

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058698.D
 Acq On : 11 Oct 2019 12:58
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:21 AM

Quant Time: Oct 11 23:47:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 23:28:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	478967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	772112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	723401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	368385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	649370	93.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.48%	
35) Dibromofluoromethane	7.57	113	473452	100.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.50%	
50) Toluene-d8	10.08	98	1914104	103.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.30%	
62) 4-Bromofluorobenzene	12.40	95	741485	109.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	588342	109.583	ug/l	98
3) Chloromethane	2.04	50	659272	110.210	ug/l	99
4) Vinyl Chloride	2.17	62	696170	118.397	ug/l	100
5) Bromomethane	2.53	94	405610m	125.561	ug/l	
6) Chloroethane	2.67	64	413663	117.135	ug/l	99
7) Trichlorofluoromethane	2.99	101	796333	113.481	ug/l	98
8) Diethyl Ether	3.39	74	301243	101.972	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	454055	98.207	ug/l	98
10) Methyl Iodide	3.93	142	664460	123.557	ug/l	100
11) Tert butyl alcohol	4.76	59	530649	639.129	ug/l	100
12) 1,1-Dichloroethene	3.71	96	443439	98.387	ug/l	95
13) Acrolein	3.58	56	440502	1181.437	ug/l	100
14) Allyl chloride	4.30	41	899907	107.900	ug/l	99
15) Acrylonitrile	4.96	53	1383826	590.501	ug/l	100
16) Acetone	3.79	43	1339261	547.643	ug/l	98
17) Carbon Disulfide	4.03	76	1414124	115.743	ug/l	100
18) Methyl Acetate	4.30	43	677345	109.331	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	1641265	102.487	ug/l	98
20) Methylene Chloride	4.53	84	524728	94.932	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	493580	98.119	ug/l	98
22) Diisopropyl ether	5.93	45	1813909	102.092	ug/l	97
23) Vinyl Acetate	5.87	43	7305828	540.789	ug/l	95
24) 1,1-Dichloroethane	5.82	63	988275	99.020	ug/l	100
25) 2-Butanone	6.81	43	2018619	596.250	ug/l	99
26) 2,2-Dichloropropane	6.80	77	871212	105.144	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	566035	96.751	ug/l	100
28) Bromochloromethane	7.18	49	345600	88.932	ug/l	100
29) Tetrahydrofuran	7.19	42	1304899	604.360	ug/l	100
30) Chloroform	7.35	83	975609	96.888	ug/l	99
31) Cyclohexane	7.63	56	930337	96.098	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	856170	102.751	ug/l	99
36) 1,1-Dichloropropene	7.77	75	773874	104.209	ug/l	99
37) Ethyl Acetate	6.90	43	816676	125.298	ug/l	98
38) Carbon Tetrachloride	7.76	117	757372	111.505	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	926577	106.550	ug/l	99
40) Benzene	8.02	78	2200121	103.127	ug/l	100
41) Methacrylonitrile	7.16	41	376528m	123.202	ug/l	
42) 1,2-Dichloroethane	8.11	62	827792	99.778	ug/l	100
43) Isopropyl Acetate	8.15	43	1358841	112.568	ug/l	100
44) Trichloroethene	8.82	130	543804	103.380	ug/l	99
45) 1,2-Dichloropropane	9.11	63	594085	103.726	ug/l	99
46) Dibromomethane	9.20	93	377130	103.749	ug/l	99
47) Bromodichloromethane	9.39	83	783070	112.805	ug/l	99
48) Methyl methacrylate	9.19	41	637375	116.209	ug/l	99
49) 1,4-Dioxane	9.19	88	191927	2572.412	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	3837964	607.070	ug/l	94
52) Toluene	10.15	92	1383751	102.859	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	932373	123.033	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	982177	117.460	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	533312	108.517	ug/l	99
56) Ethyl methacrylate	10.43	69	913688	121.656	ug/l	97
57) 1,3-Dichloropropane	10.70	76	957596	109.173	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	2155084	693.439	ug/l	100
59) 2-Hexanone	10.75	43	3037252	652.449	ug/l	95
60) Dibromochloromethane	10.90	129	603379	127.135	ug/l	100
61) 1,2-Dibromoethane	11.00	107	569061	112.862	ug/l	100
64) Tetrachloroethene	10.63	164	480744	103.313	ug/l	97
65) Chlorobenzene	11.43	112	1458341	101.332	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	543215	110.880	ug/l	99
67) Ethyl Benzene	11.51	91	2645104	101.311	ug/l	96
68) m/p-Xylenes	11.62	106	2037604	207.410	ug/l	91
69) o-Xylene	11.95	106	976368	103.537	ug/l	97
70) Styrene	11.97	104	1665873	108.731	ug/l	100
71) Bromoform	12.13	173	432995	138.189	ug/l	100
73) Isopropylbenzene	12.25	105	2612287	96.431	ug/l	99
74) N-amyl acetate	12.07	43	1259572	114.607	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	838434	102.777	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	757927m	110.507	ug/l	
77) Bromobenzene	12.53	156	623678	97.871	ug/l	100
78) n-propylbenzene	12.59	91	3045295	99.366	ug/l	97
79) 2-Chlorotoluene	12.68	91	1849087	97.838	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	2279589	100.223	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	315374	134.150	ug/l	98
82) 4-Chlorotoluene	12.78	91	1942203	100.452	ug/l	99
83) tert-Butylbenzene	13.00	119	1939141	101.027	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2275127	99.842	ug/l	98
85) sec-Butylbenzene	13.18	105	2583649	101.929	ug/l	99
86) p-Isopropyltoluene	13.29	119	2381614	106.265	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	1166548	100.587	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1167616	101.366	ug/l	99
89) n-Butylbenzene	13.62	91	2231279	109.245	ug/l	98
90) Hexachloroethane	13.88	117	431459	125.280	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1130708	101.303	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	186635	125.657	ug/l	98

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ClientSampleId :
VSTDICC100

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QLast Update : Fri Oct 11 23:28:43 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	732564	117.684	ug/l	100
94) Hexachlorobutadiene	15.01	225	356771	110.029	ug/l	98
95) Naphthalene	15.13	128	2187569	132.709	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	702178	123.296	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

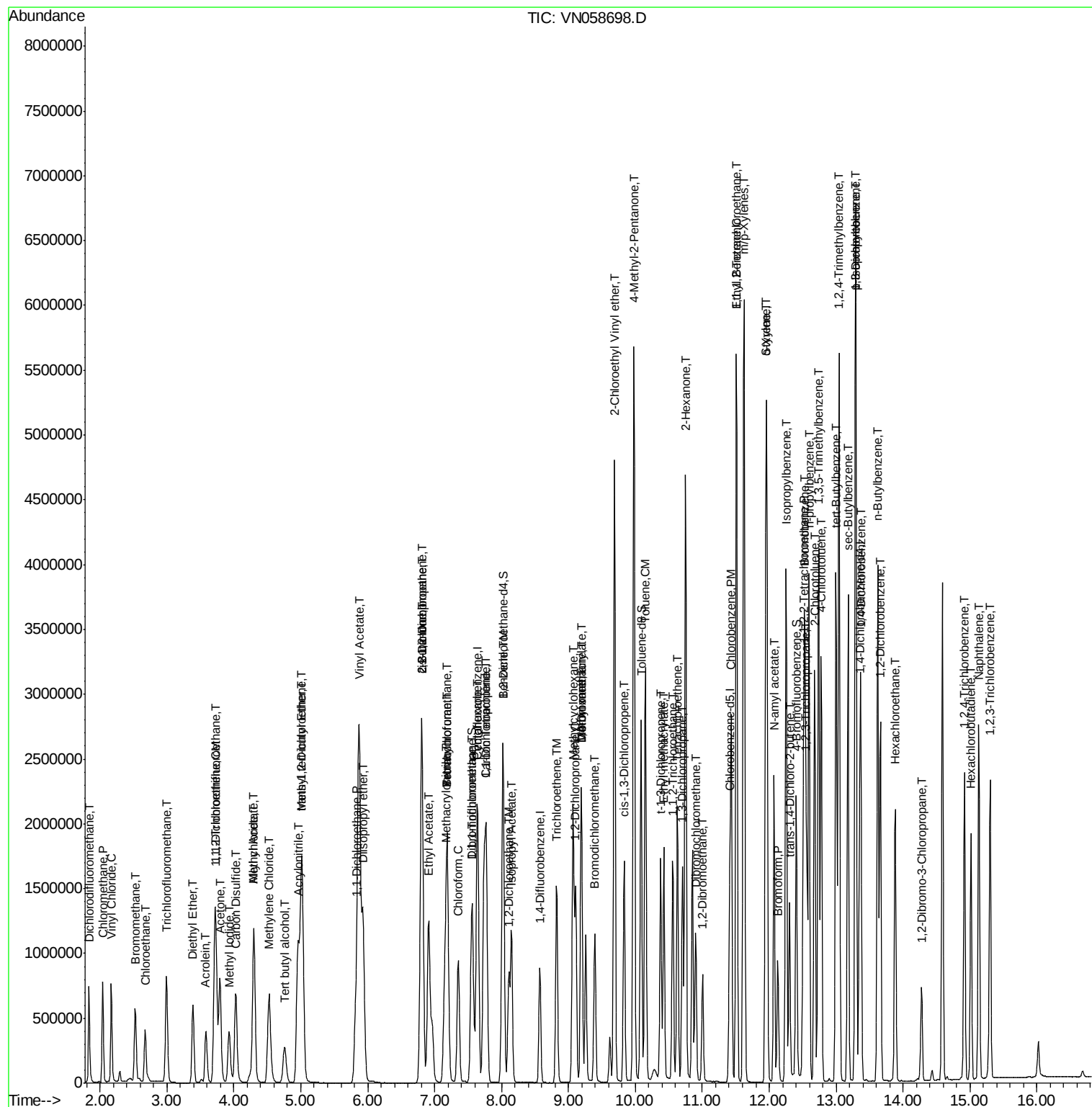
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
Data File : VN058698.D
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Operator : JC/SP
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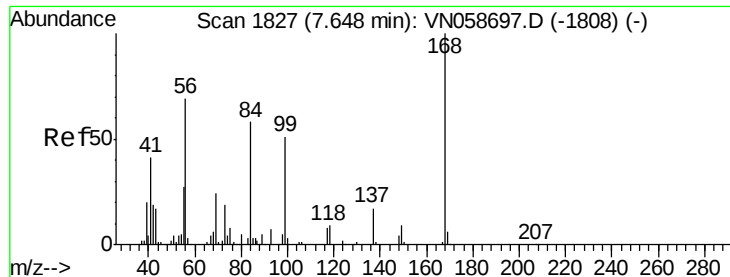
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 478967

Ion Ratio Lower Upper

168 100

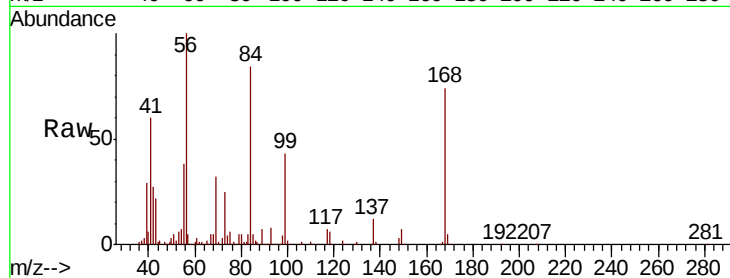
99 58.7 47.5 71.3

Manual Integrations

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10/16/2019 12:48:21 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

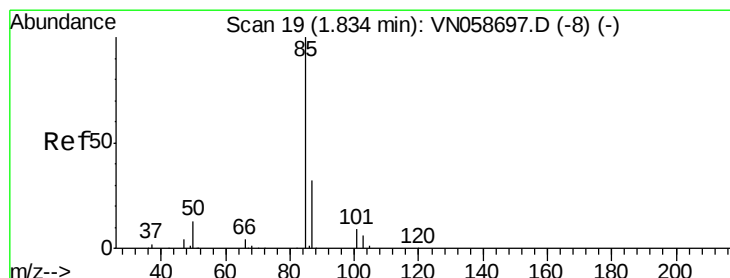
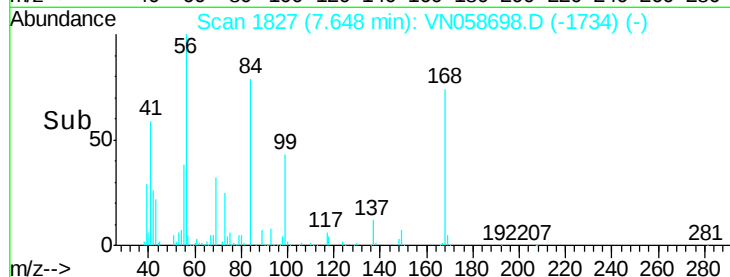
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 109.583 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058698.D

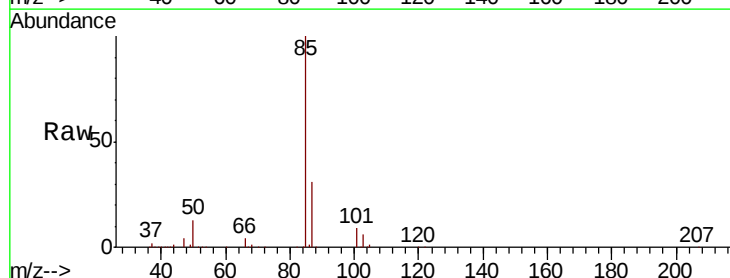
Acq: 11 Oct 2019 12:58

Tgt Ion: 85 Resp: 588342

Ion Ratio Lower Upper

85 100

87 31.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

400000

300000

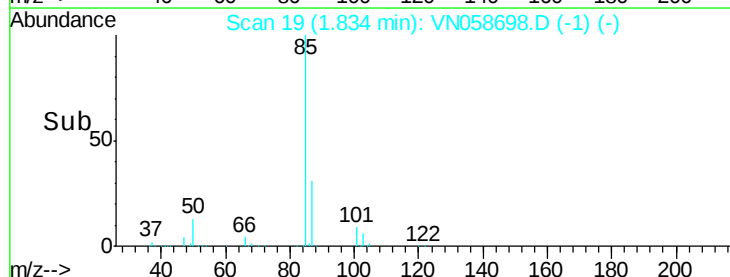
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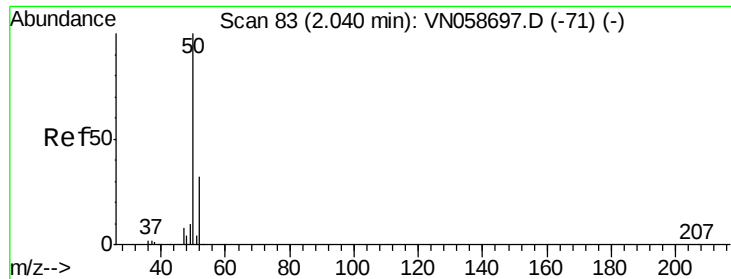
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0

1.80 1.90 2.00

Time-->





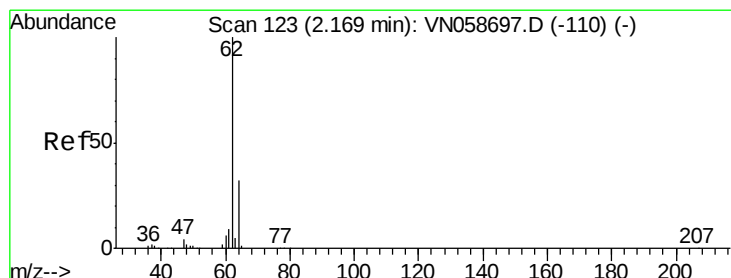
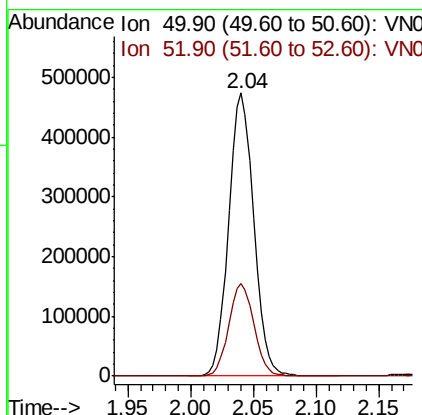
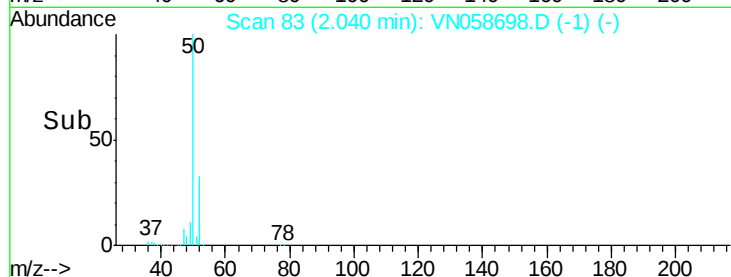
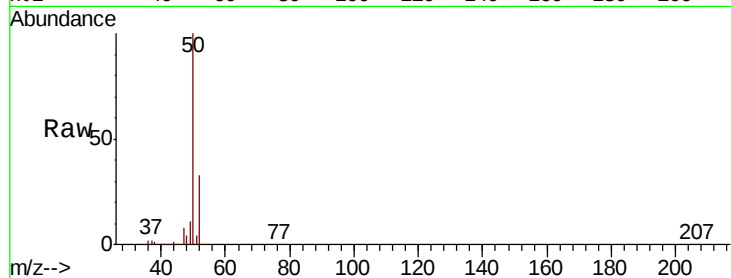
#3
Chloromethane
Concen: 110.210 ug/l
RT: 2.04 min Scan# 83
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.8	38.6

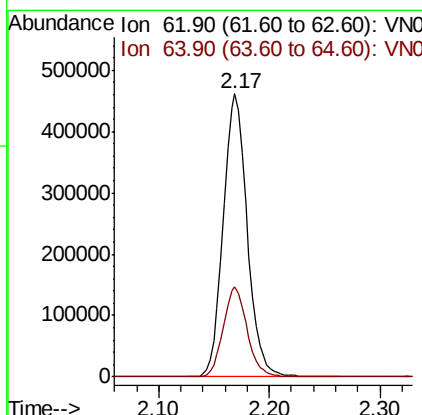
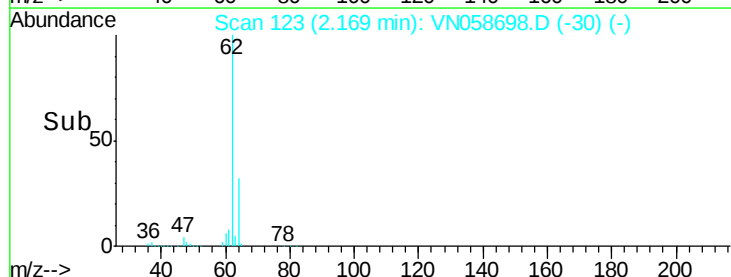
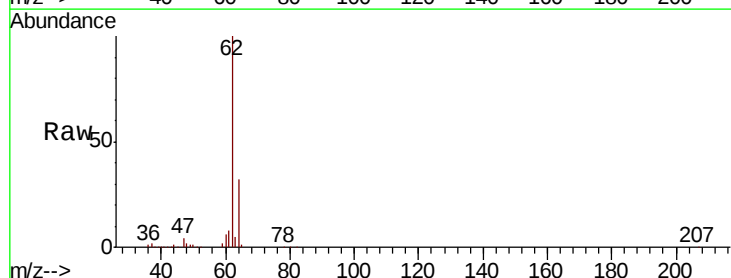
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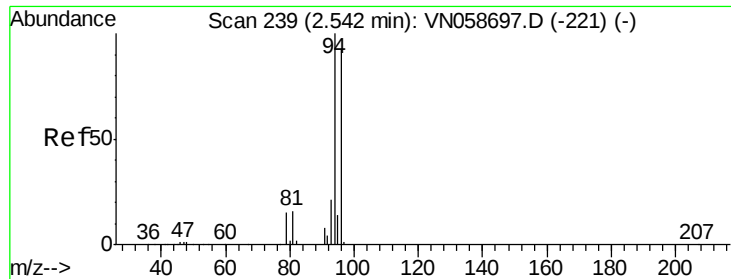
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#4
Vinyl Chloride
Concen: 118.397 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.3	37.9





#5

Bromomethane

Concen: 125.561 ug/l m

RT: 2.53 min Scan# 234

Delta R.T. -0.02 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 405610

Ion Ratio Lower Upper

94 100

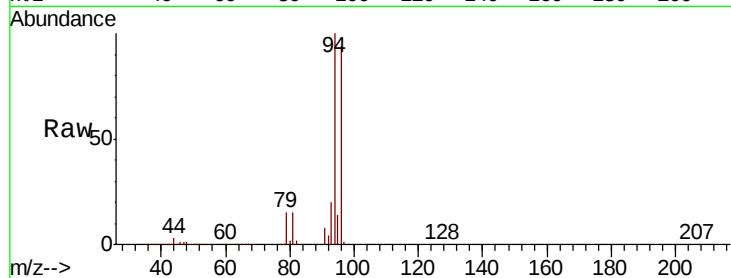
96 94.5 74.5 111.7

Manual Integrations

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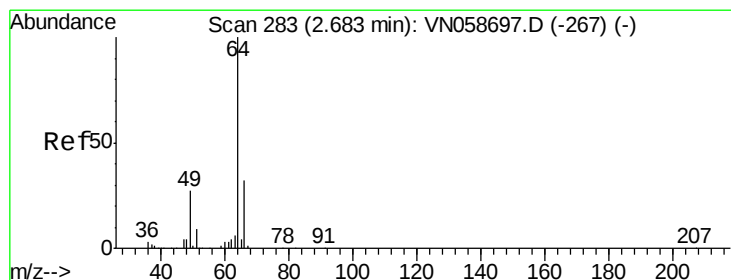
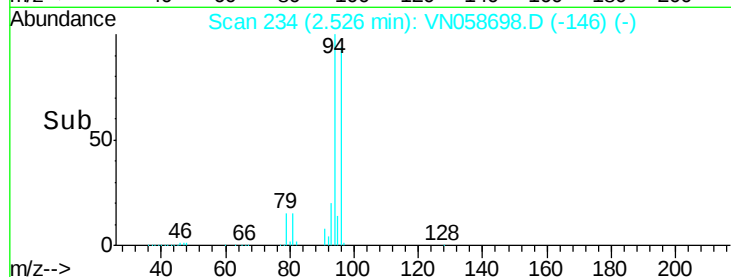
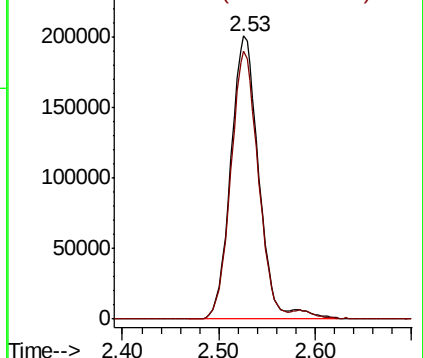
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 117.135 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN058698.D

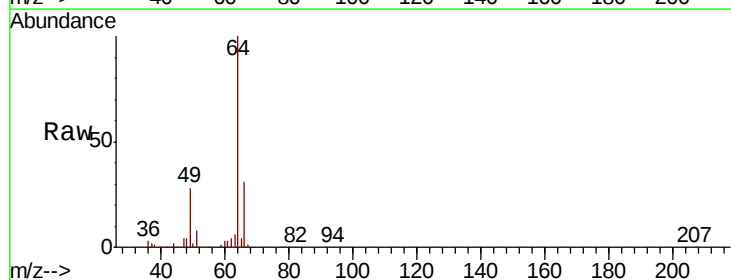
Acq: 11 Oct 2019 12:58

Tgt Ion: 64 Resp: 413663

Ion Ratio Lower Upper

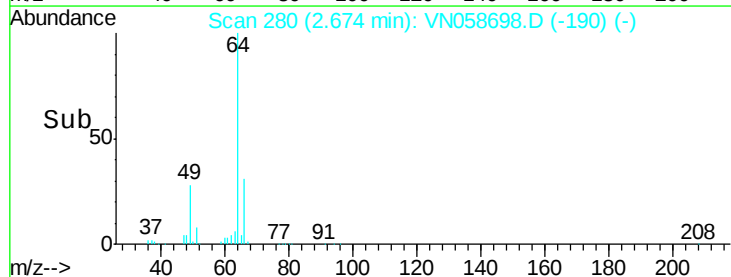
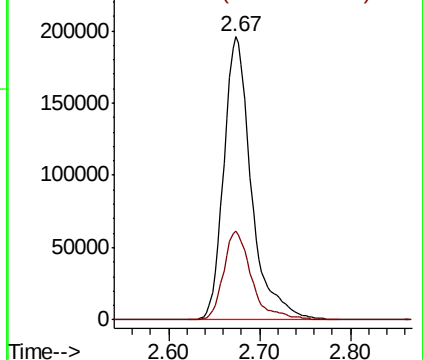
64 100

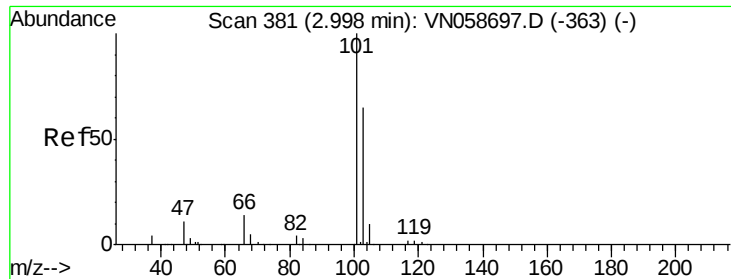
66 31.4 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

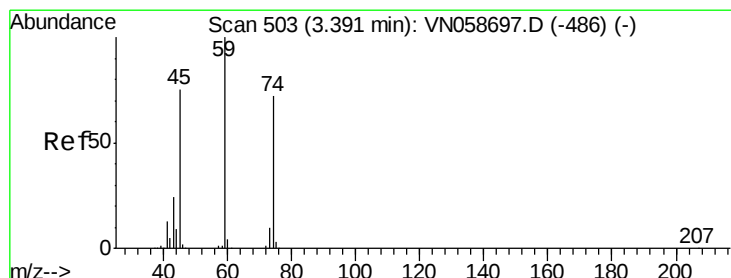
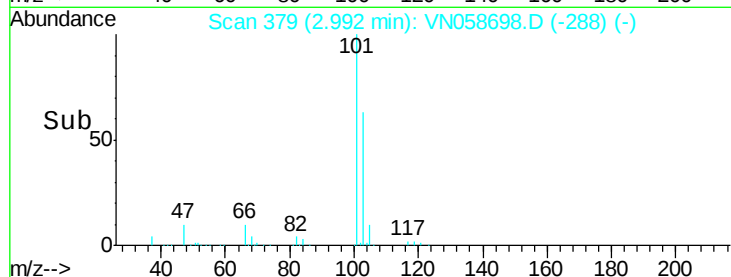
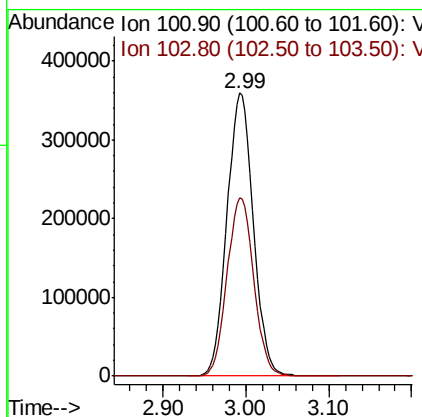
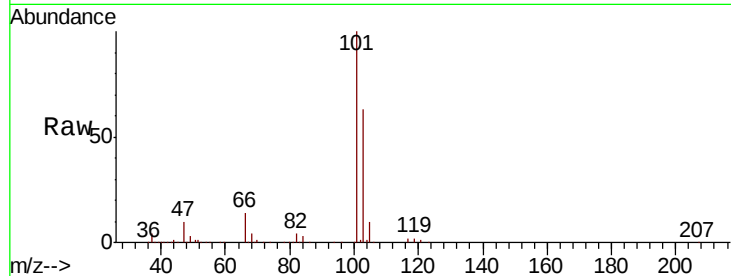
Trichlorofluoromethane
 Concen: 113.481 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.8	77.6

Manual Integrations
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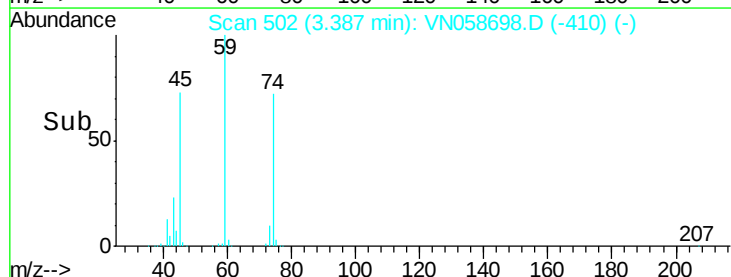
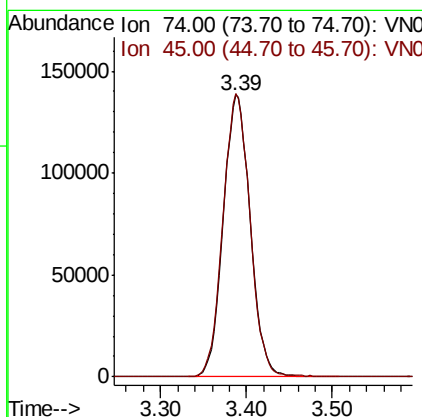
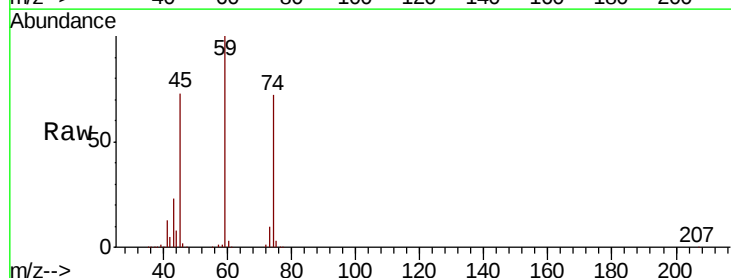
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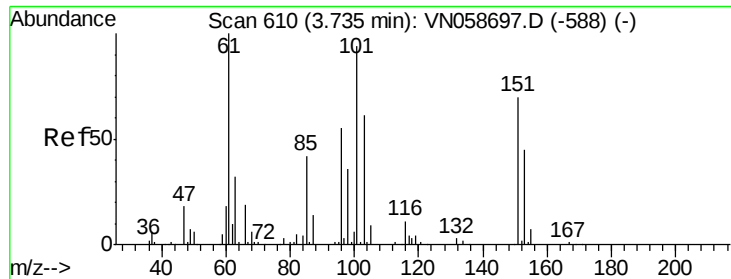


#8

Diethyl Ether
 Concen: 101.972 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.207 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

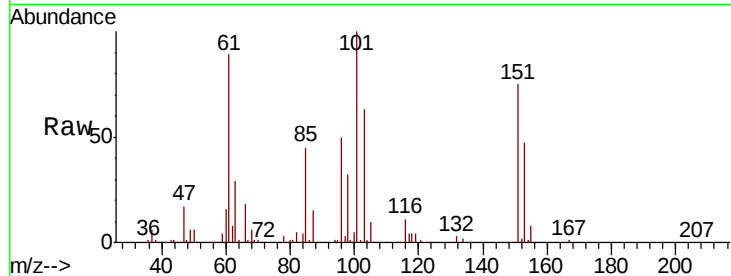
ClientSampleId :

VSTDIC100

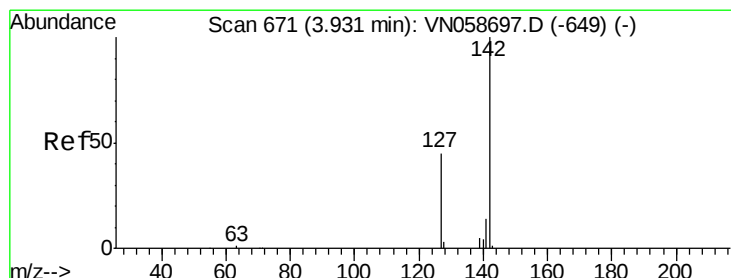
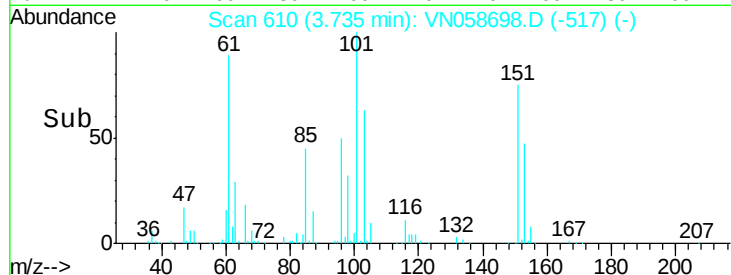
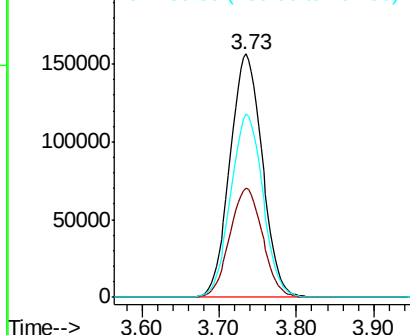
Tot Ion:	101	Resp:	454055
Ion Ratio	Lower	Upper	
101	100		
85	45.5	37.0	55.6
151	75.2	61.8	92.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 123.557 ug/l

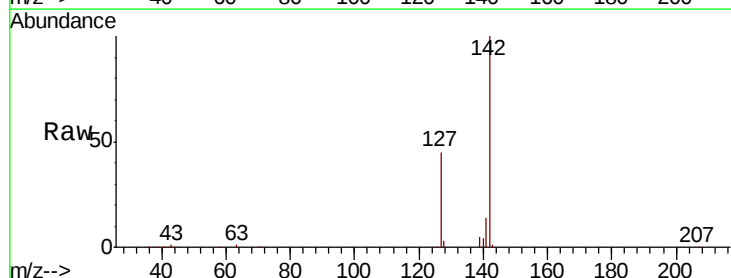
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

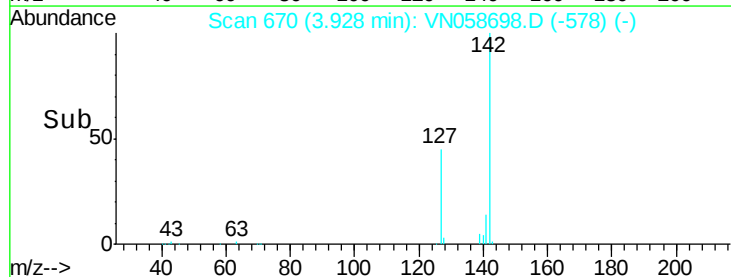
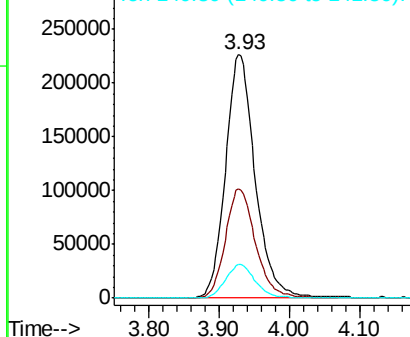
Lab File: VN058698.D

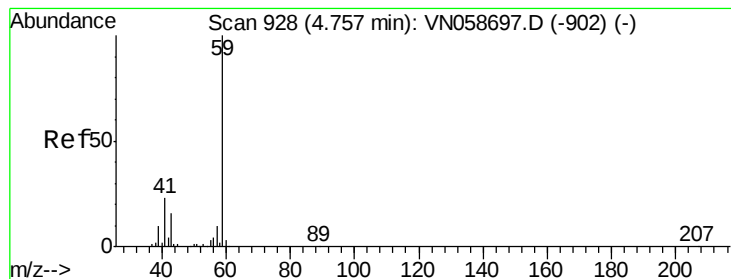
Acq: 11 Oct 2019 12:58

Tgt Ion:	142	Resp:	664460
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.4	54.6
141	13.9	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

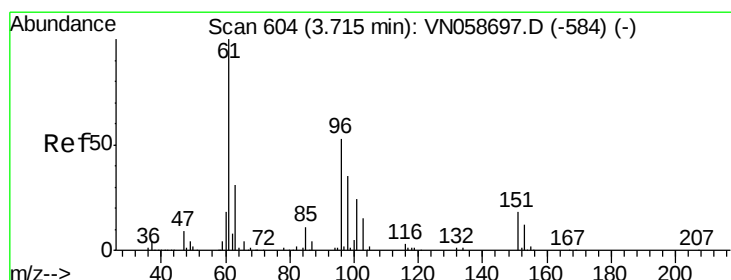
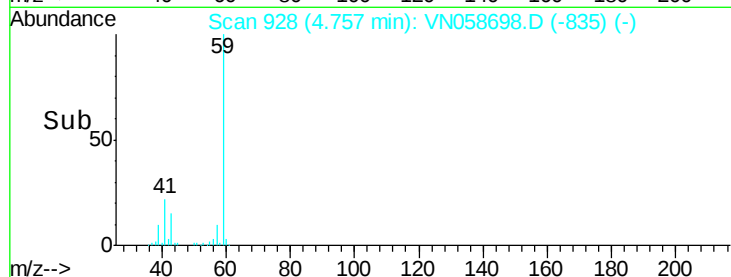
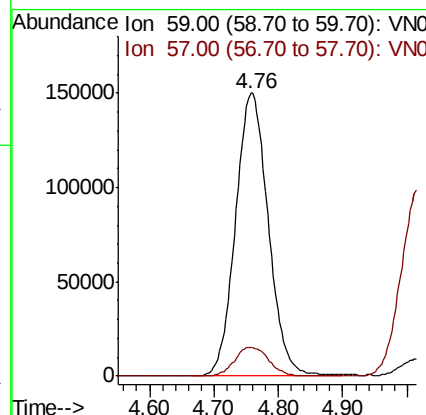
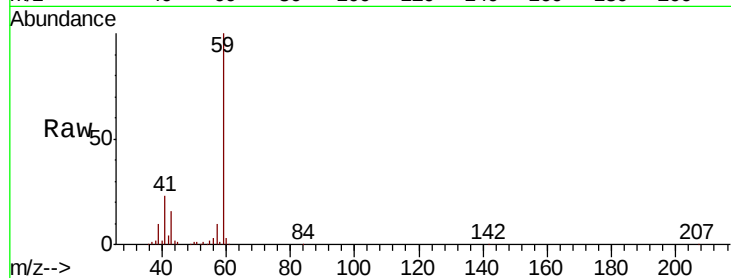
Tert butyl alcohol
Concen: 639.129 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

Manual Integrations
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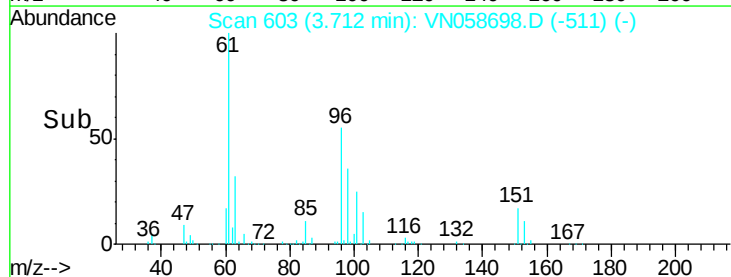
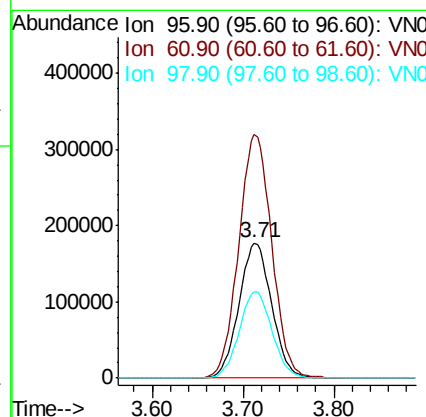
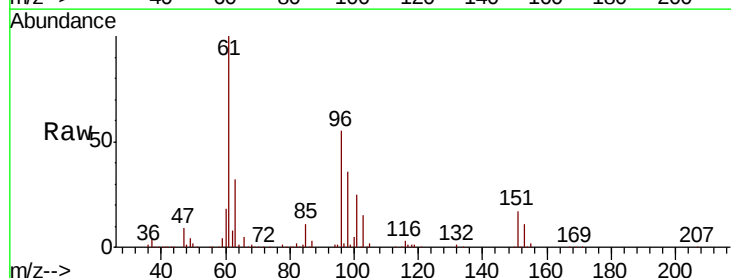
MMDadoda
10/16/2019 12:48:21 AM

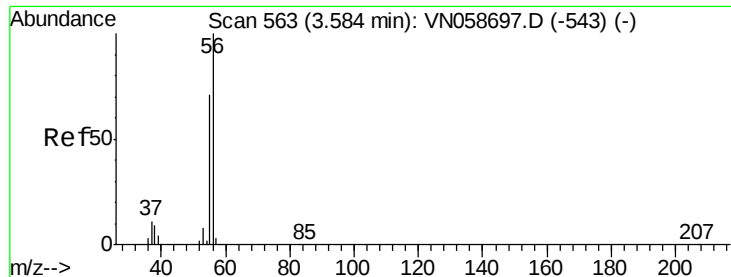


#12

1,1-Dichloroethene
Concen: 98.387 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.5	151.3	226.9
98	64.1	52.6	78.8





#13

Acrolein

Concen: 1181.437 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 440502

Ion Ratio Lower Upper

56 100

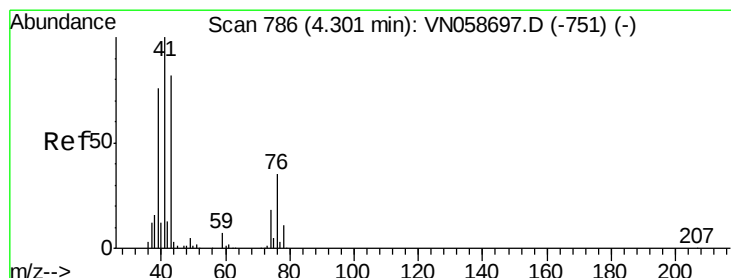
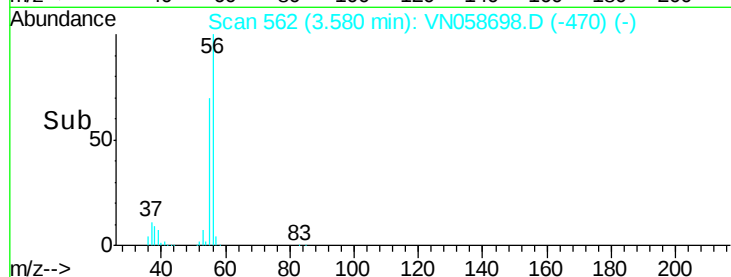
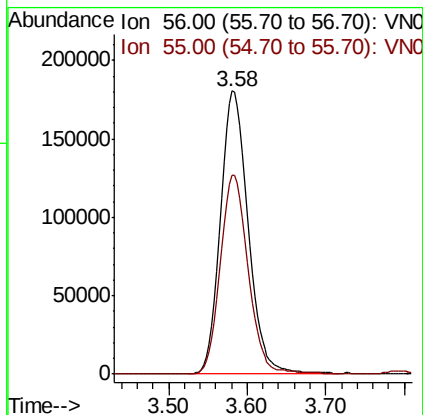
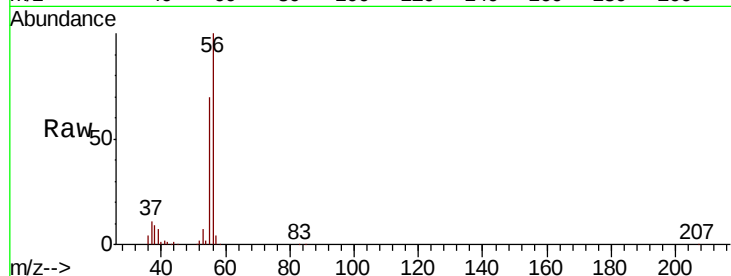
55 70.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 107.900 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

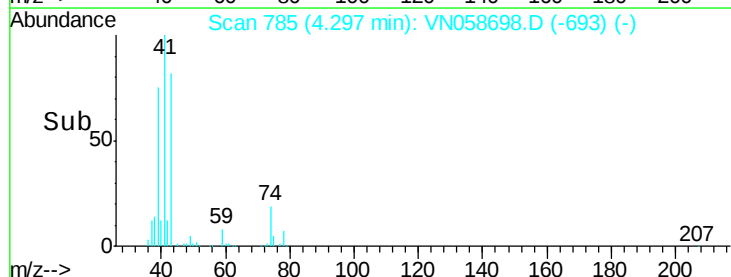
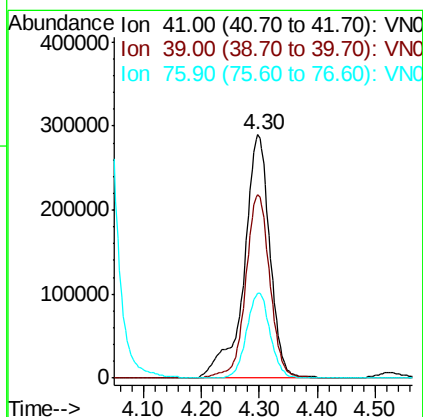
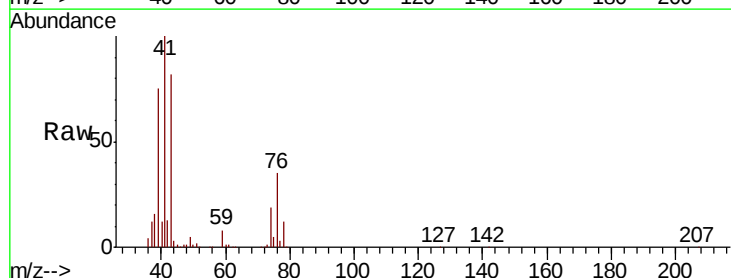
Tgt Ion: 41 Resp: 899907

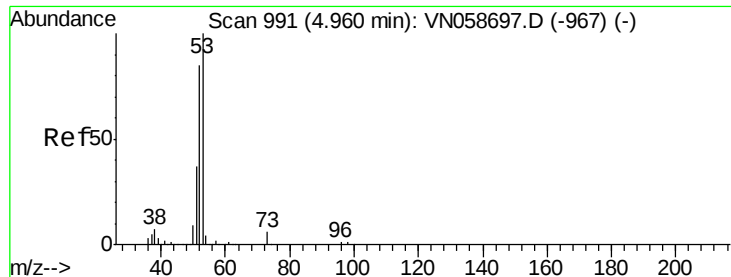
Ion Ratio Lower Upper

41 100

39 70.3 57.2 85.8

76 31.4 25.0 37.6





#15

Acrylonitrile

Concen: 590.501 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1383826

Ion Ratio Lower Upper

53 100

52 83.0 66.2 99.2

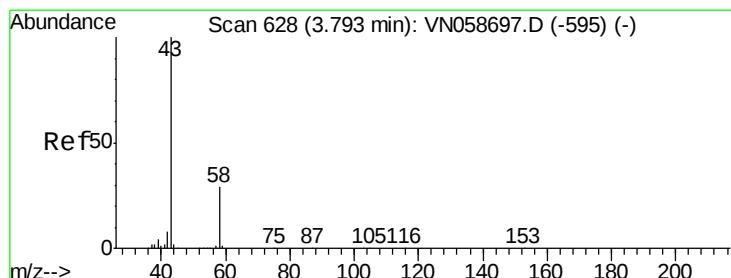
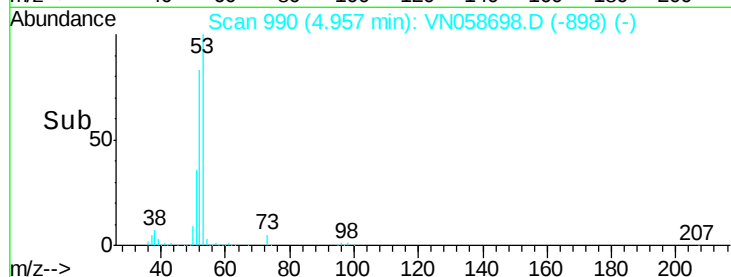
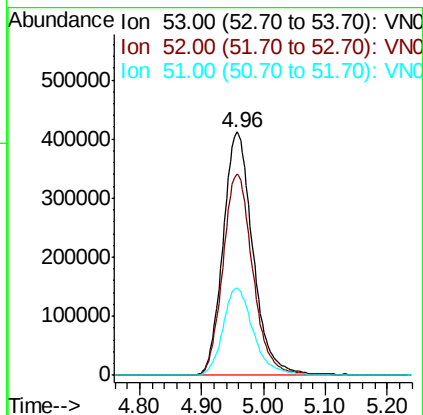
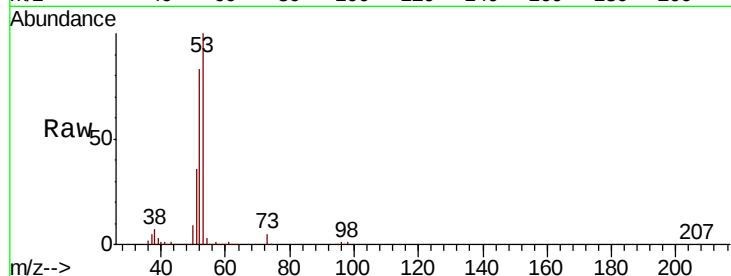
51 36.5 29.4 44.2

Manual Integrations

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#16

Acetone

Concen: 547.643 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058698.D

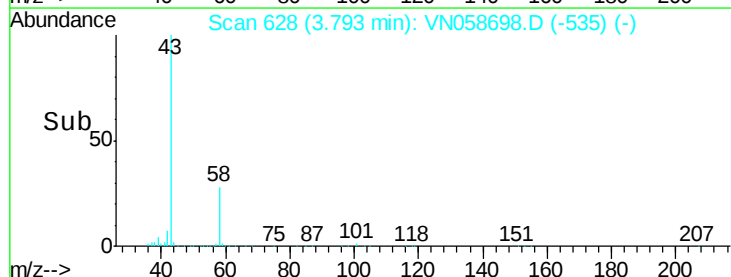
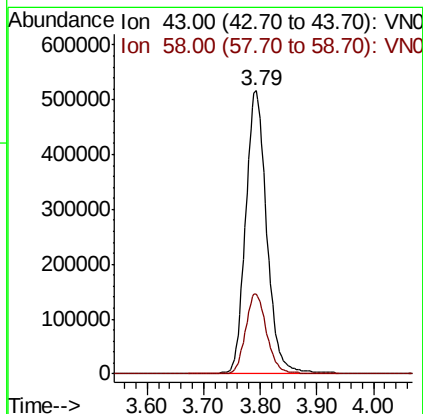
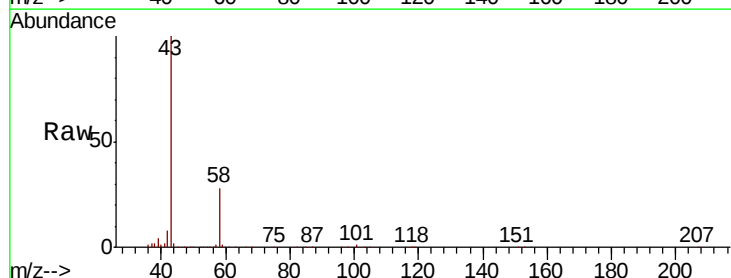
Acq: 11 Oct 2019 12:58

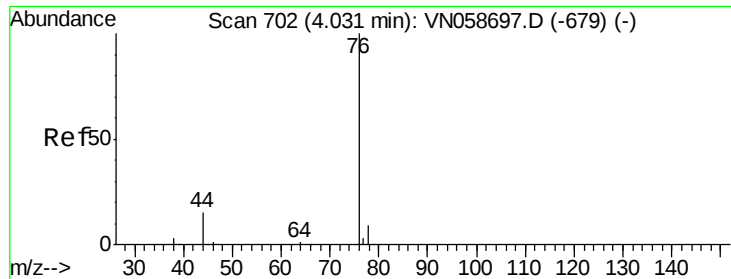
Tgt Ion: 43 Resp: 1339261

Ion Ratio Lower Upper

43 100

58 28.1 23.3 34.9





#17

Carbon Disulfide

Concen: 115.743 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1414124

Ion Ratio Lower Upper

76 100

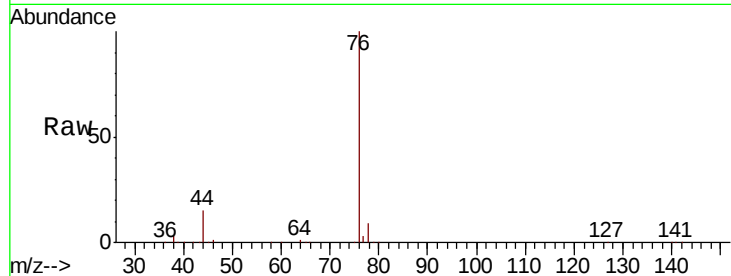
78 9.0 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN058697.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN058698.D (-609) (-)

4.03

500000

400000

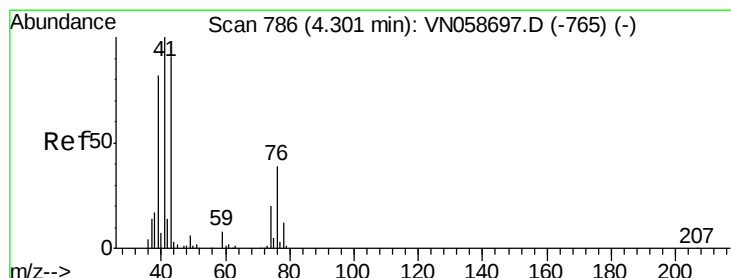
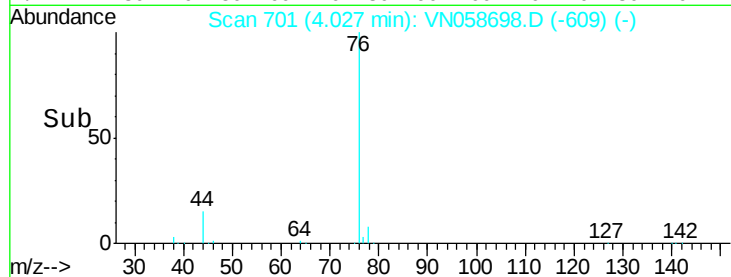
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 109.331 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058698.D

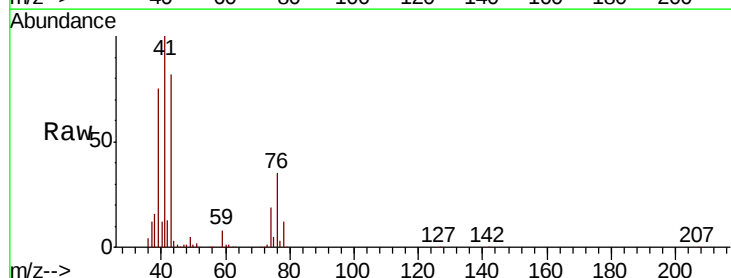
Acq: 11 Oct 2019 12:58

Tgt Ion: 43 Resp: 677345

Ion Ratio Lower Upper

43 100

74 22.0 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-765) (-)

Ion 74.00 (73.70 to 74.70): VN058698.D (-693) (-)

4.30

250000

200000

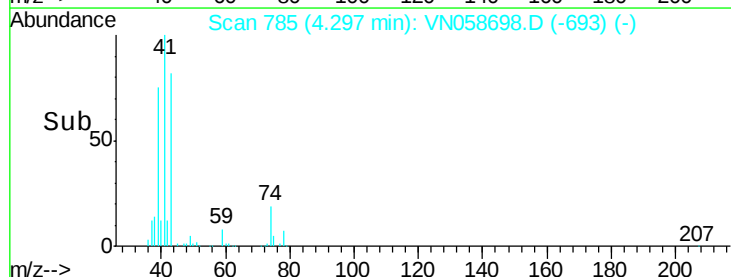
150000

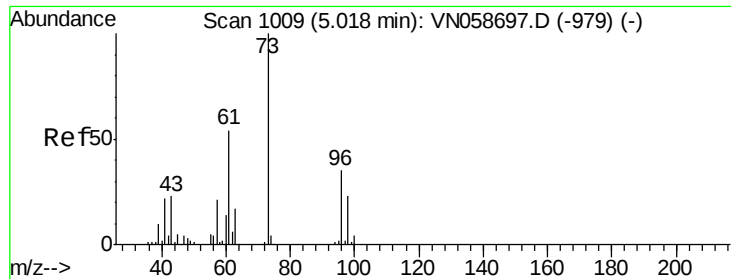
100000

50000

0

Time-->





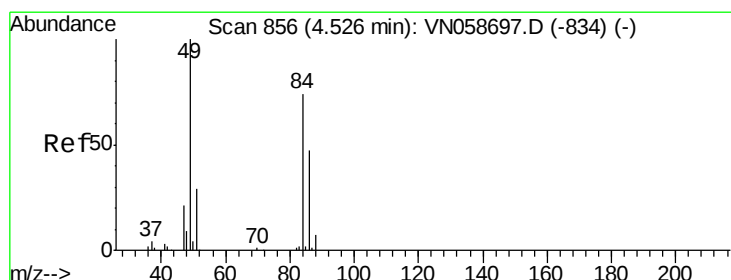
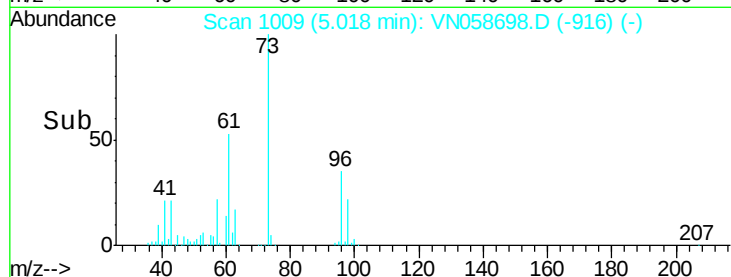
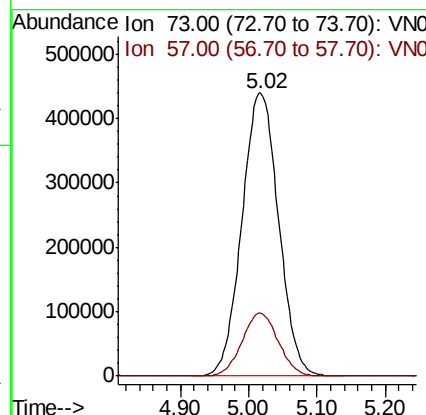
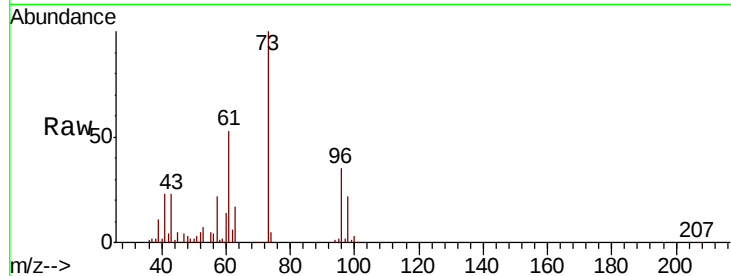
#19
Methvl tert-butvl Ether
Concen: 102.487 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1641265
Ion Ratio Lower Upper
73 100
57 22.4 17.0 25.6

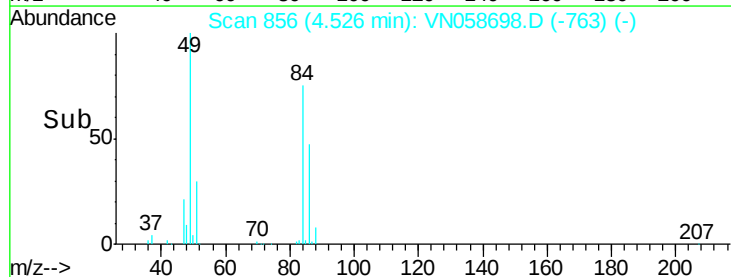
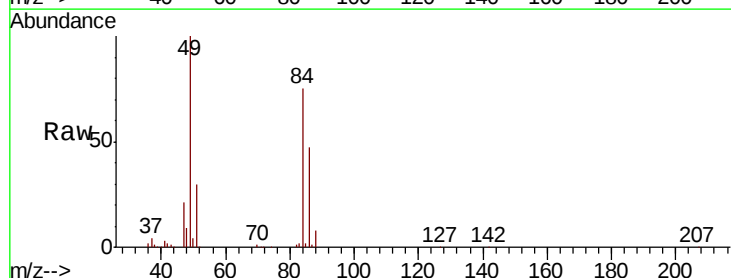
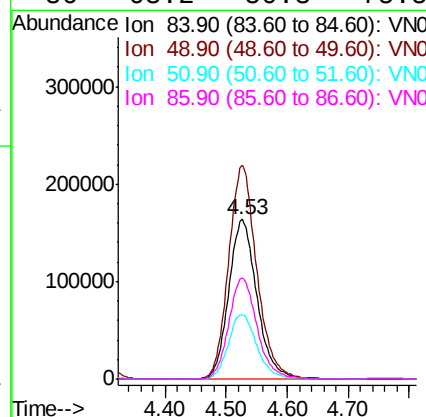
Manual Integrations
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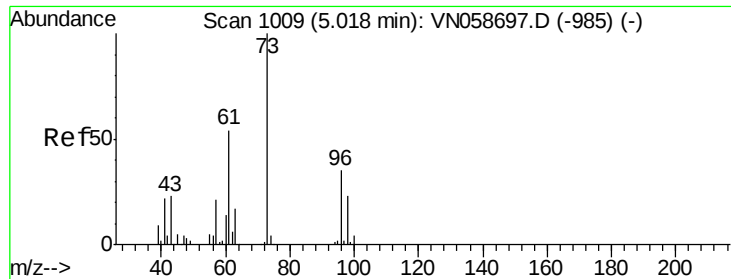
MMDadoda
10/16/2019 12:48:21 AM



#20
Methylene Chloride
Concen: 94.932 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 84 Resp: 524728
Ion Ratio Lower Upper
84 100
49 134.0 107.6 161.4
51 40.3 31.4 47.0
86 63.2 50.3 75.5





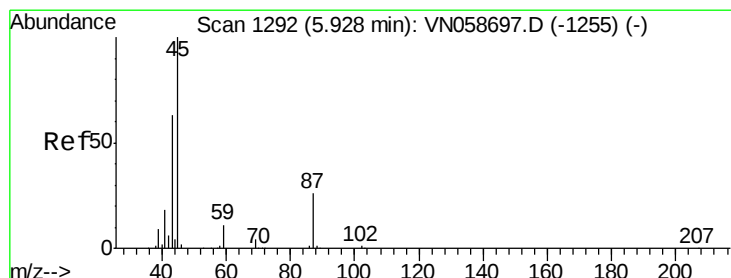
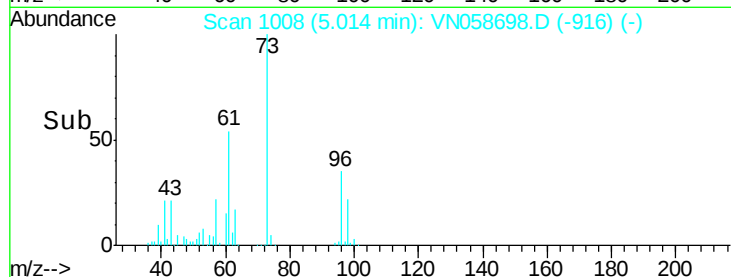
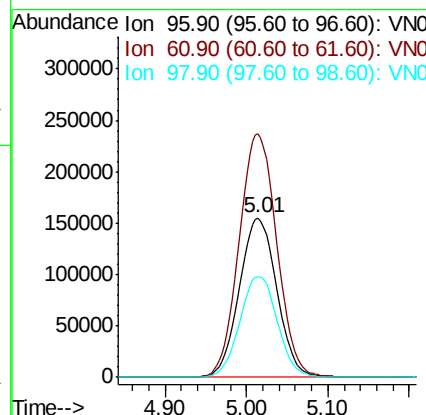
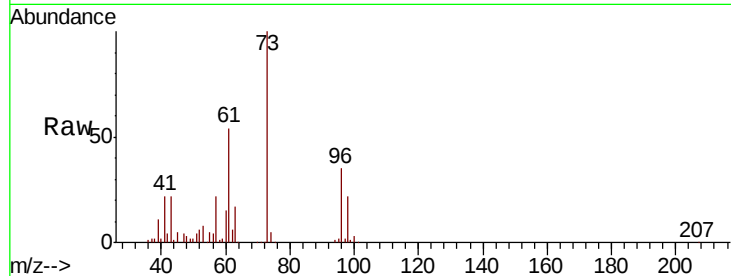
#21
trans-1,2-Dichloroethene
Concen: 98.119 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.4	123.6	185.4
98	63.1	52.1	78.1

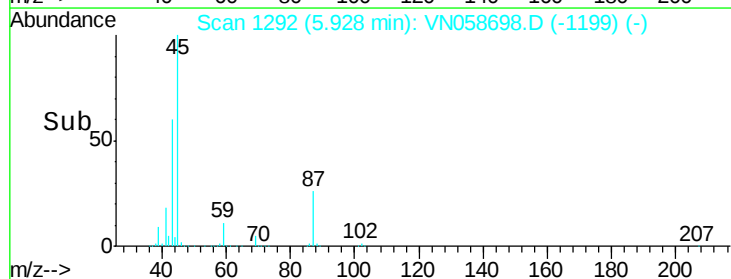
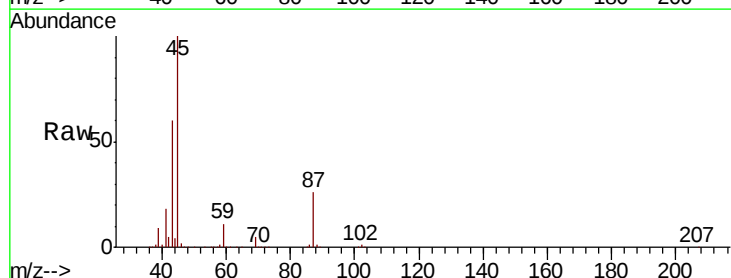
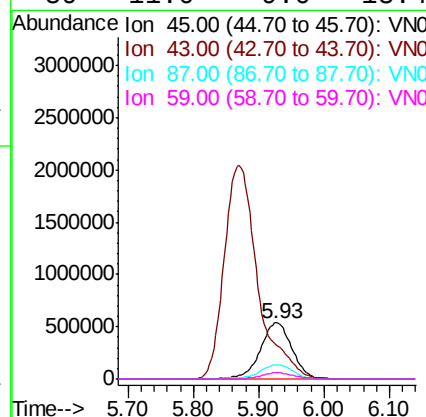
Manual Integrations
APPROVED

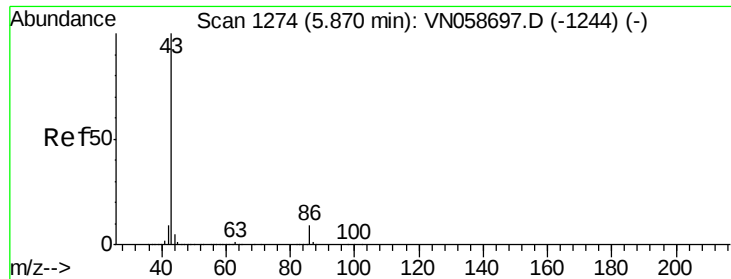
MMDadoda
10/16/2019 12:48:21 AM



#22
Diisopropyl ether
Concen: 102.092 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.5	50.6	75.8
87	25.8	21.1	31.7
59	11.0	9.0	13.4





#23

Vinyl Acetate

Concen: 540.789 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 7305828

Ion Ratio Lower Upper

43 100

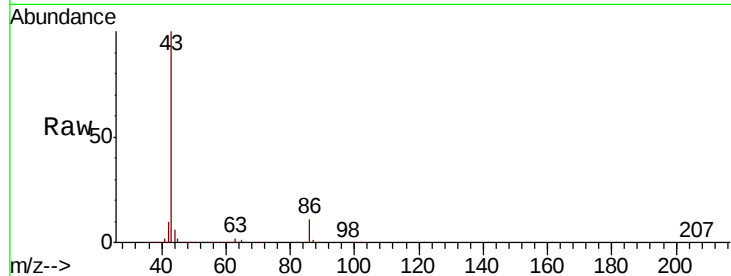
86 10.9 7.4 11.0

Manual Integrations

APPROVED

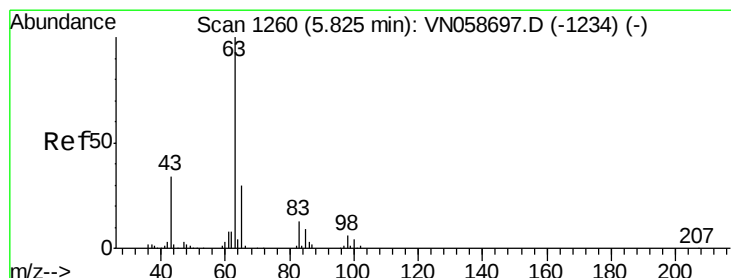
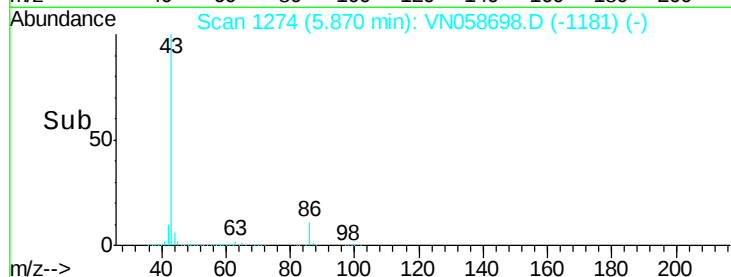
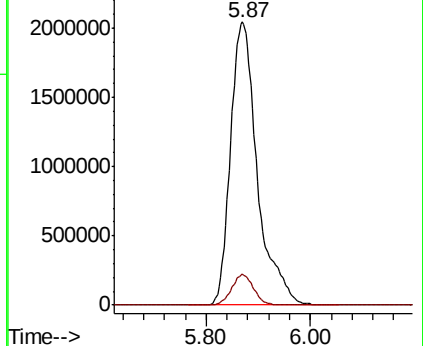
MMDadoda

10/16/2019 12:48:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 99.020 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

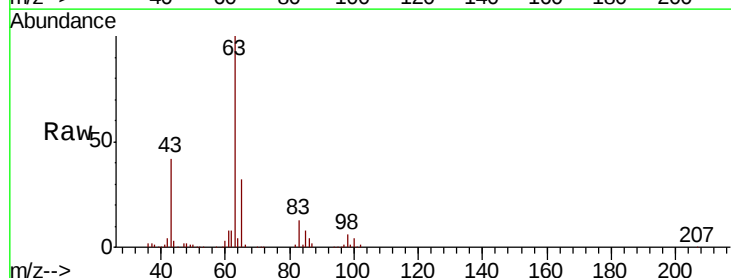
Tgt Ion: 63 Resp: 988275

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

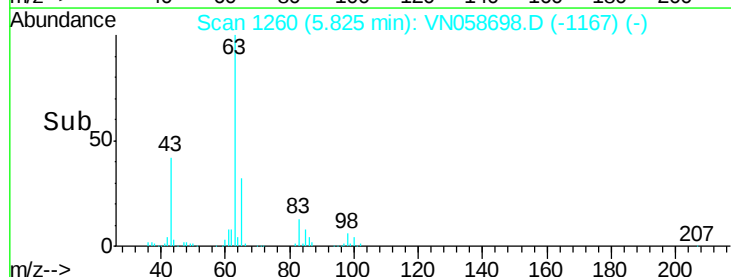
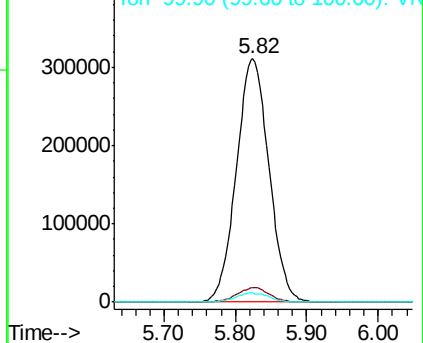
100 3.7 1.8 5.5

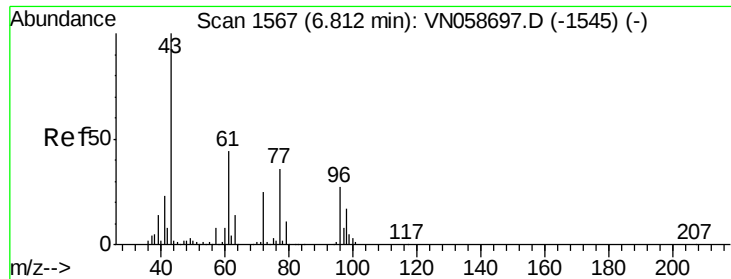


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 596.250 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2018619

Ion Ratio Lower Upper

43 100

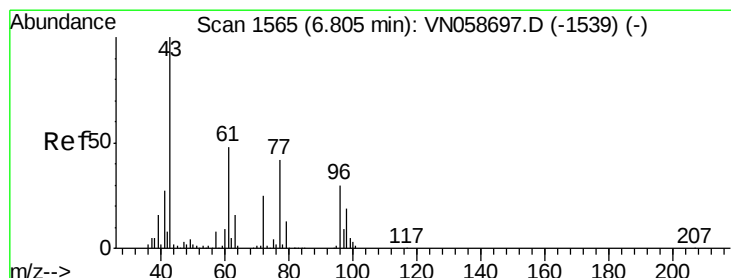
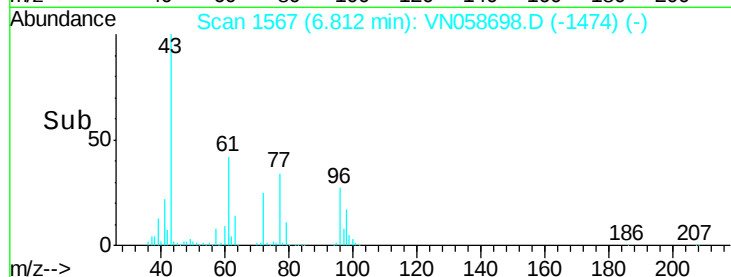
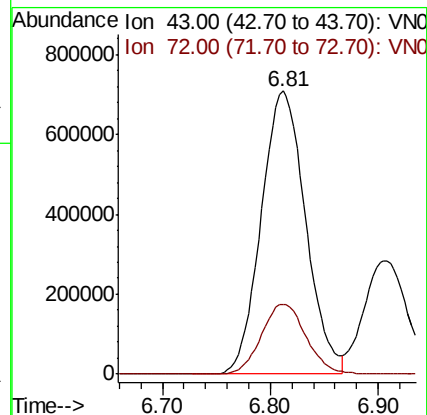
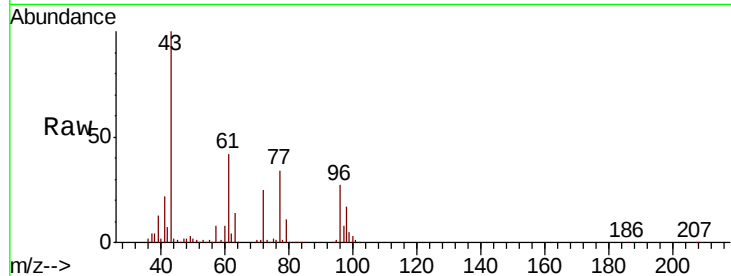
72 24.8 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 105.144 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058698.D

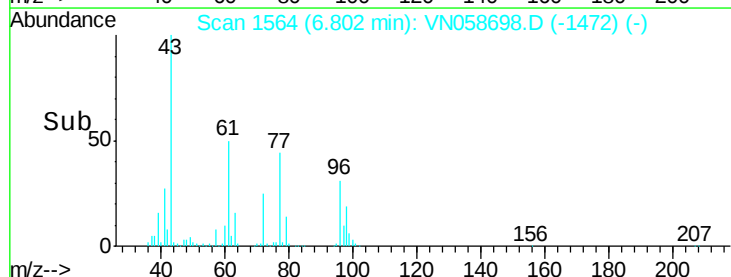
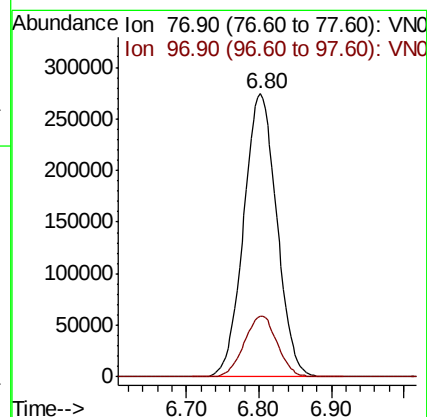
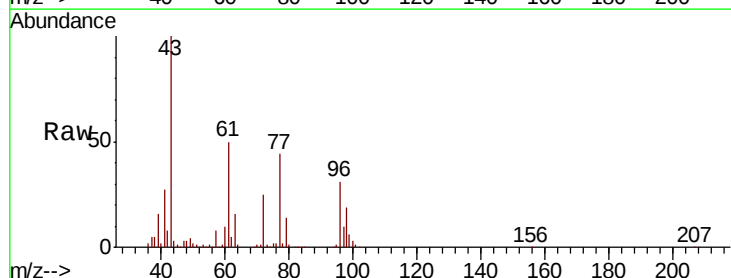
Acq: 11 Oct 2019 12:58

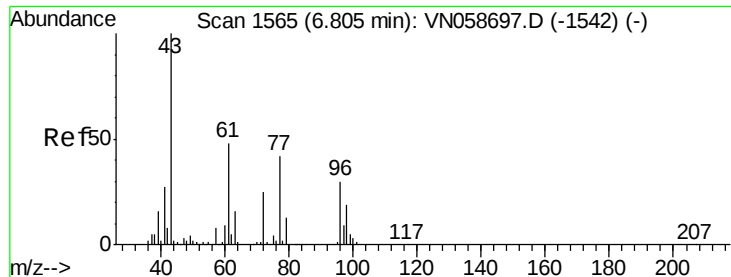
Tgt Ion: 77 Resp: 871212

Ion Ratio Lower Upper

77 100

97 21.5 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 96.751 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

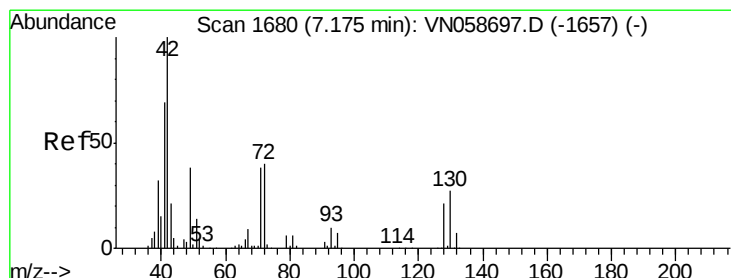
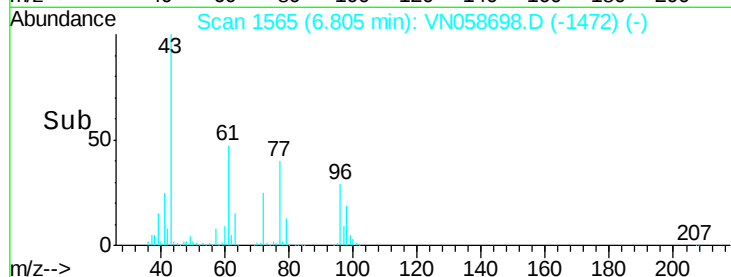
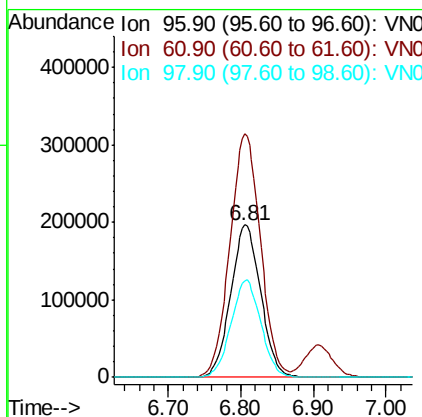
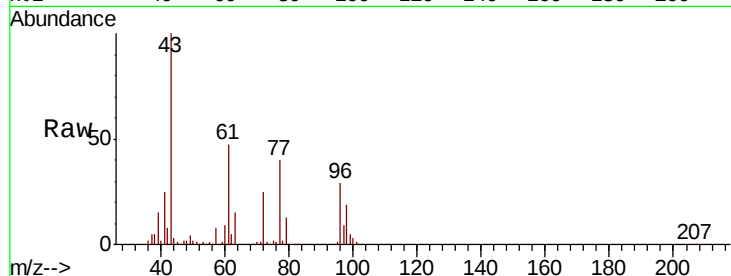
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	566035		
61	162.5	0.0	324.8	
98	63.7	0.0	129.2	

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#28

Bromochloromethane

Concen: 88.932 ug/l

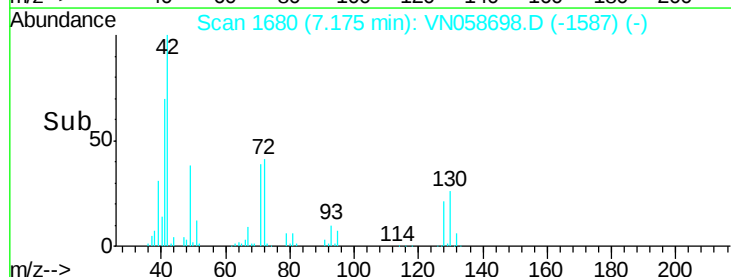
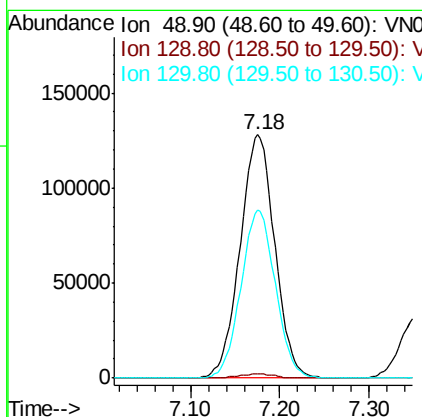
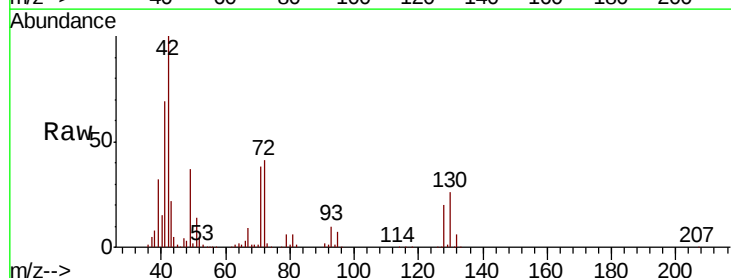
RT: 7.18 min Scan# 1680

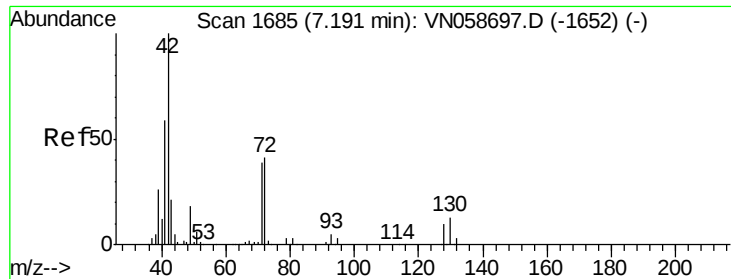
Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	345600		
129	1.8	0.0	3.6	
130	68.6	55.0	82.4	





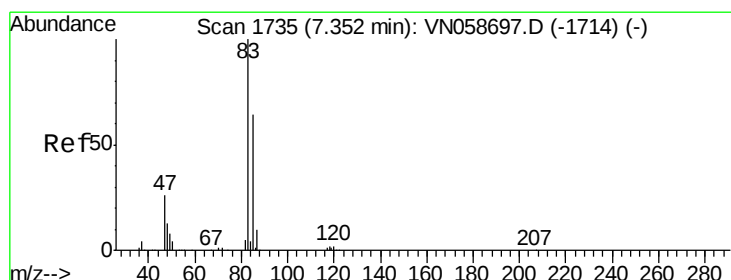
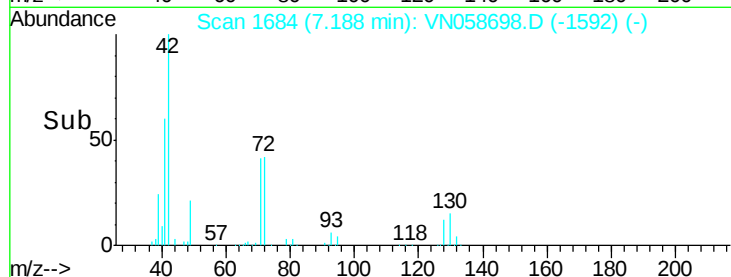
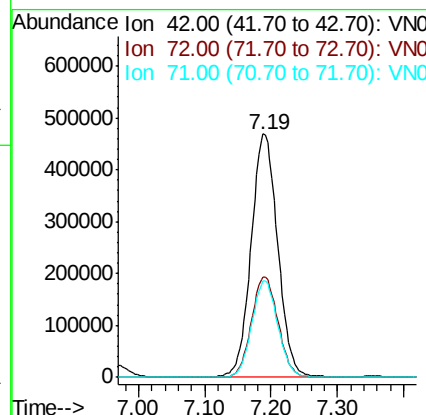
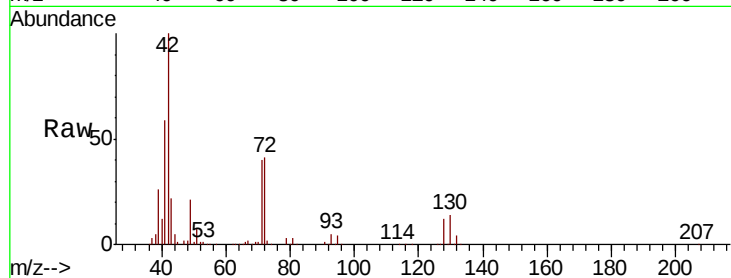
#29
Tetrahydrofuran
Concen: 604.360 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.8	49.2
71	39.1	31.1	46.7

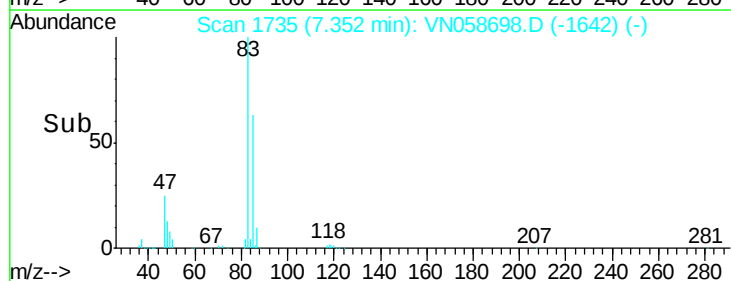
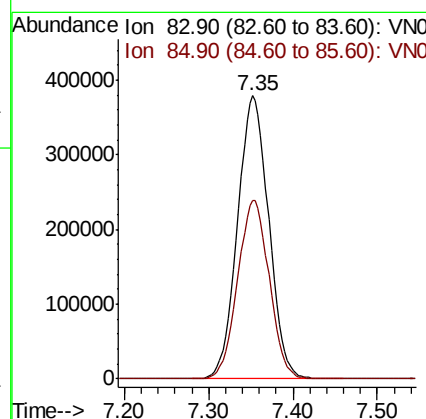
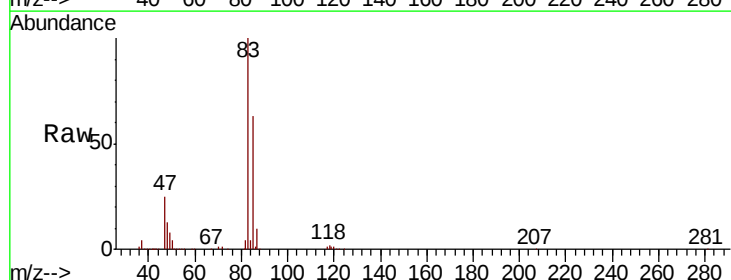
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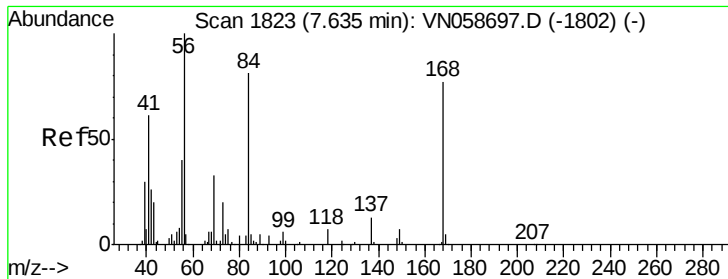
MMDadoda
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#30
Chloroform
Concen: 96.888 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.0	76.6





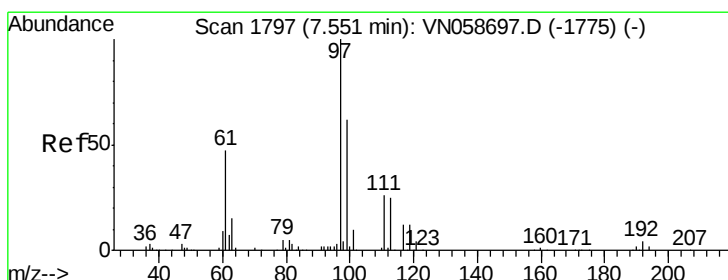
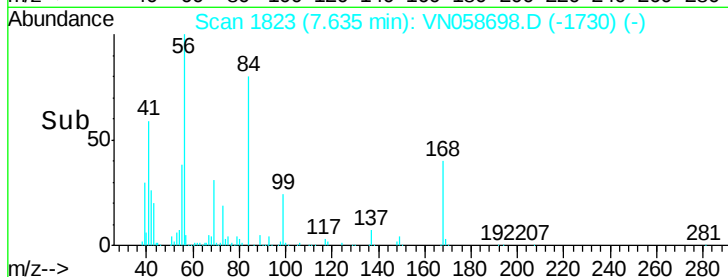
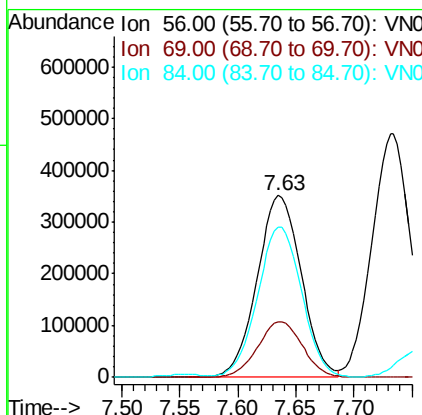
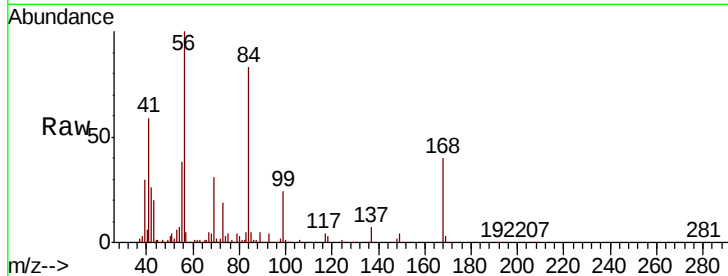
#31
Cvclohexane
Concen: 96.098 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	26.2	39.4
84	81.4	64.9	97.3

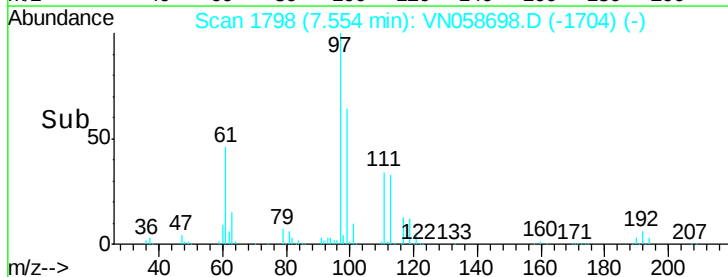
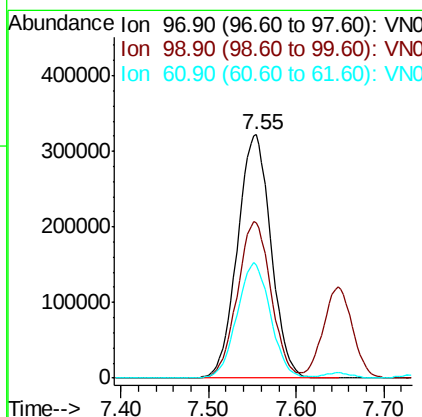
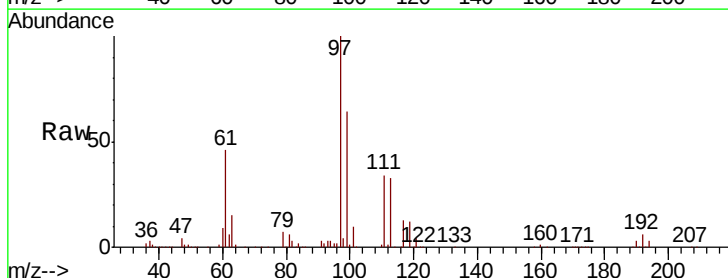
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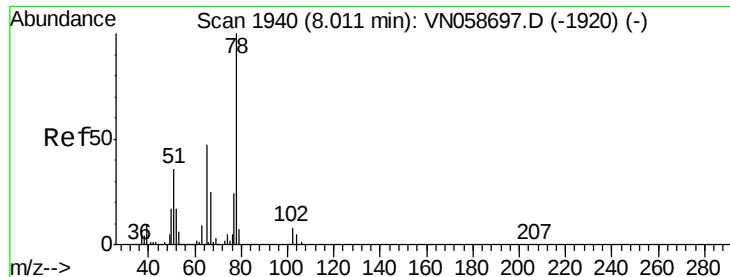
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#32
1,1,1-Trichloroethane
Concen: 102.751 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.8	76.2
61	47.1	38.1	57.1





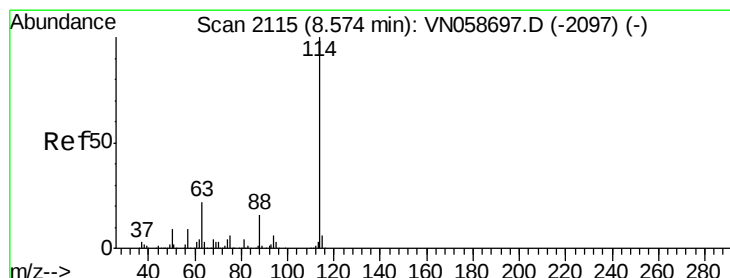
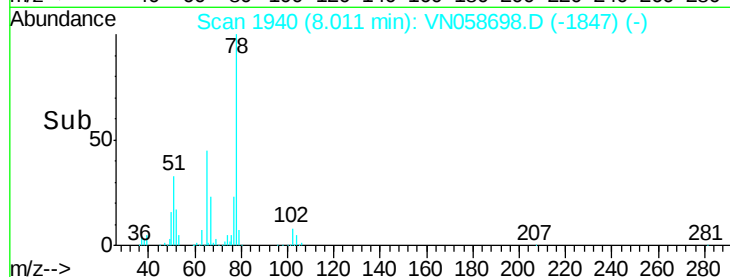
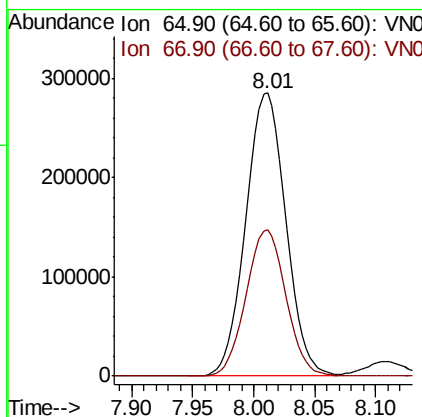
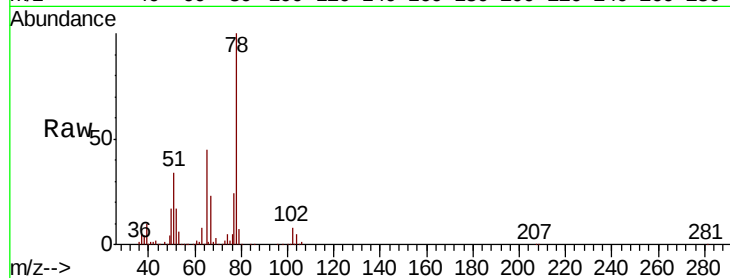
#33
 1,2-Dichloroethane-d4
 Concen: 93.744 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.8

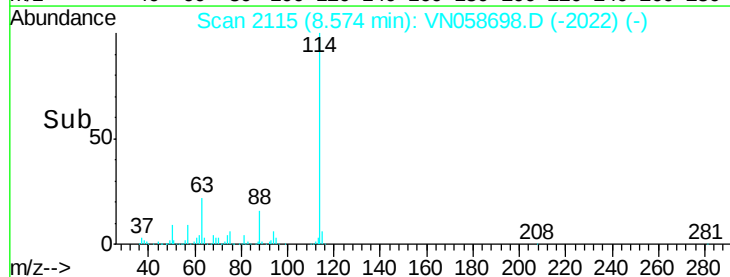
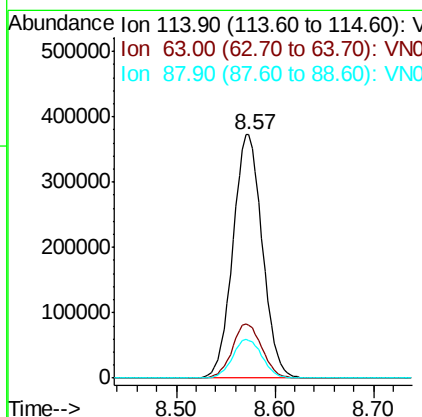
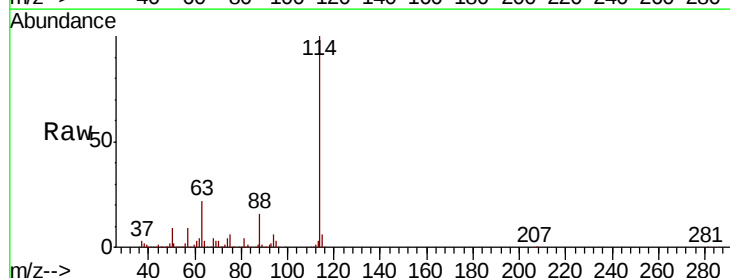
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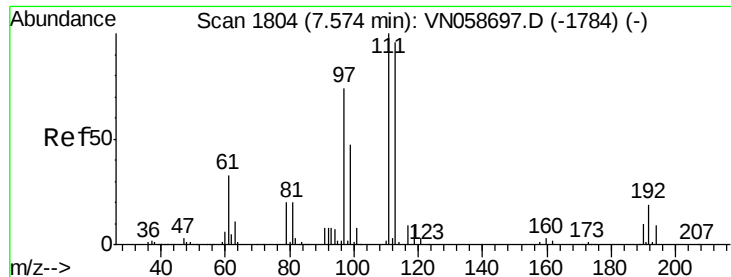
MMDadoda
 10/16/2019 12:48:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.8
88	15.7	0.0	32.0





#35

Dibromofluoromethane

Concen: 100.251 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

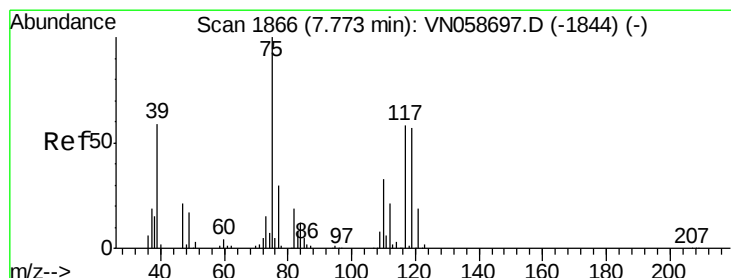
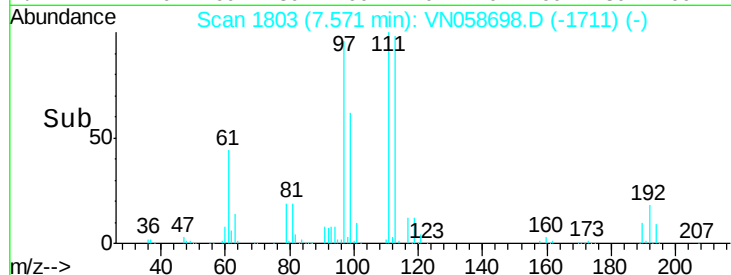
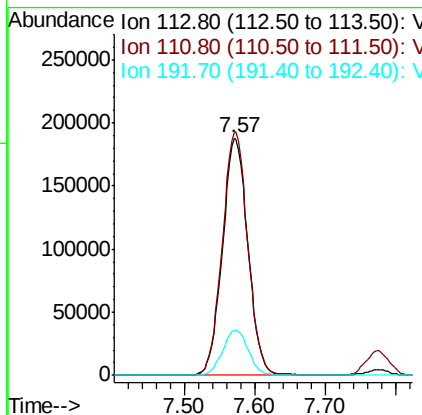
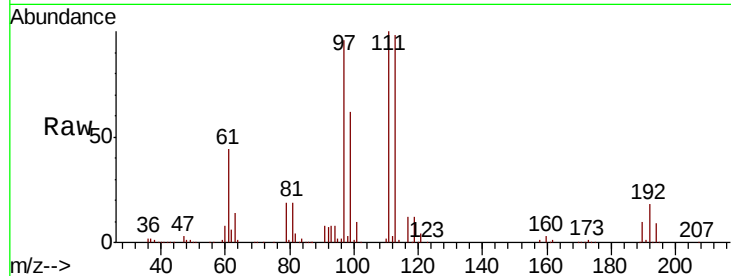
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	473452
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.3	123.5
192	19.3	15.0	22.6

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#36

1,1-Dichloropropene

Concen: 104.209 ug/l

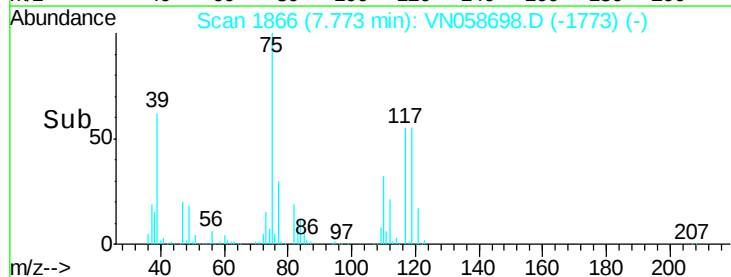
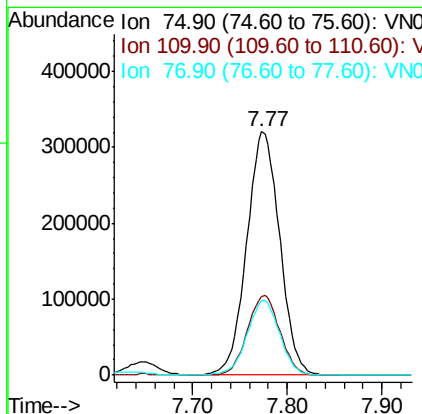
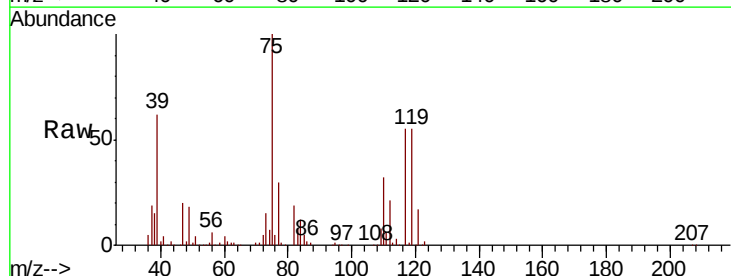
RT: 7.77 min Scan# 1866

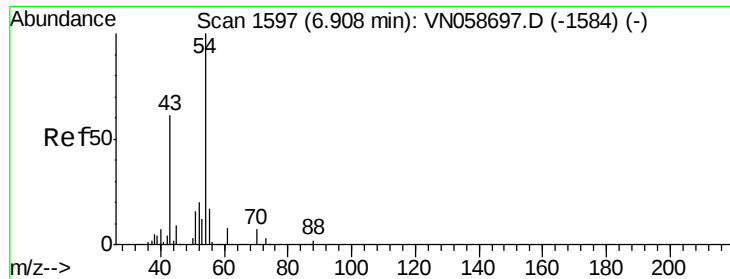
Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Tgt Ion:	75	Resp:	773874
Ion Ratio	Lower	Upper	
75	100		
110	32.4	16.6	49.8
77	30.5	24.6	37.0





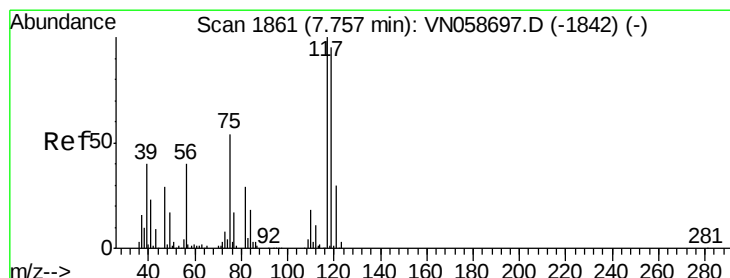
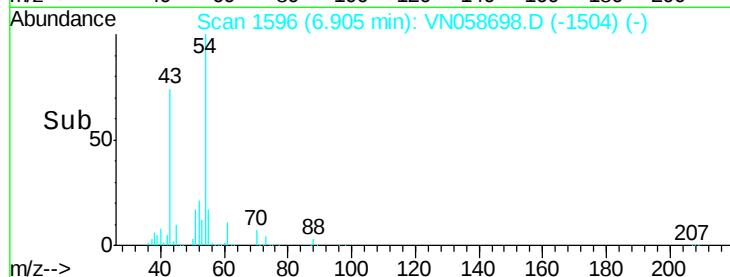
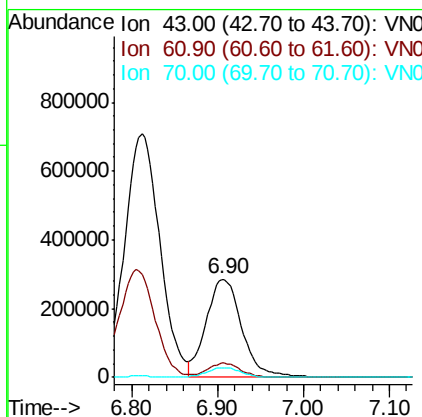
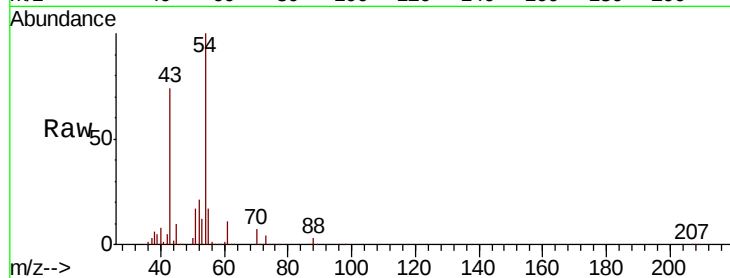
#37
Ethyl Acetate
Concen: 125.298 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.3	16.9
70	9.8	7.2	10.8

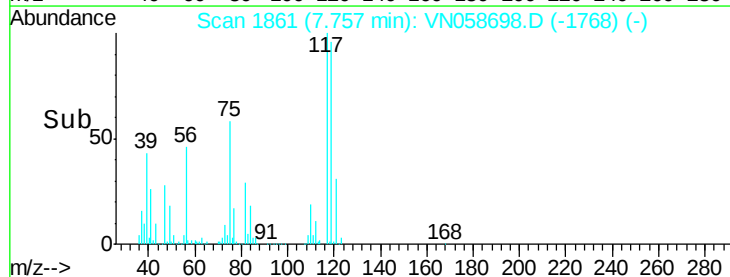
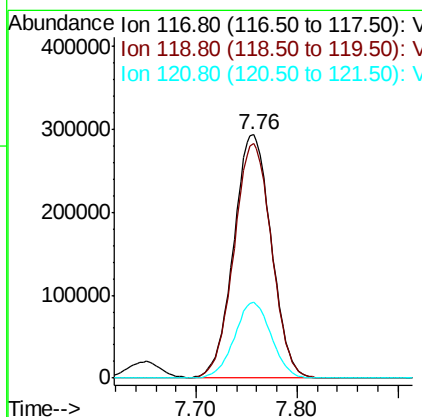
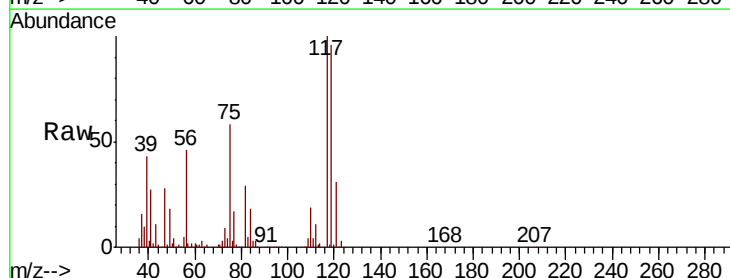
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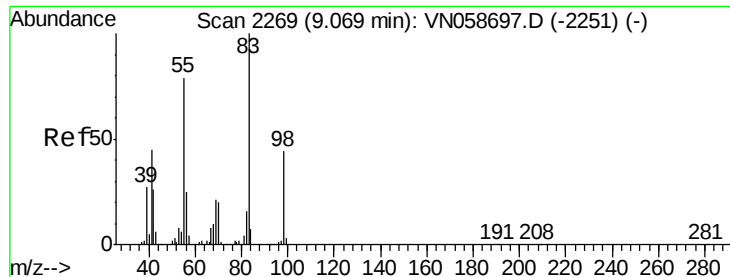
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#38
Carbon Tetrachloride
Concen: 111.505 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.7	113.5
121	31.1	23.9	35.9





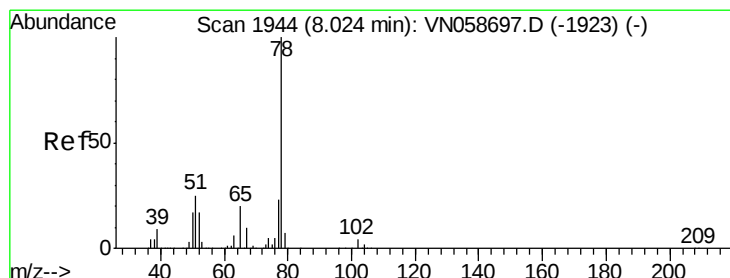
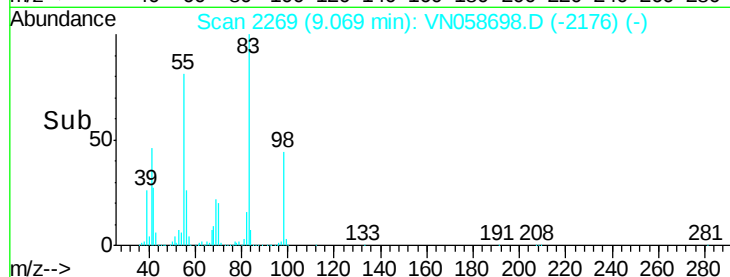
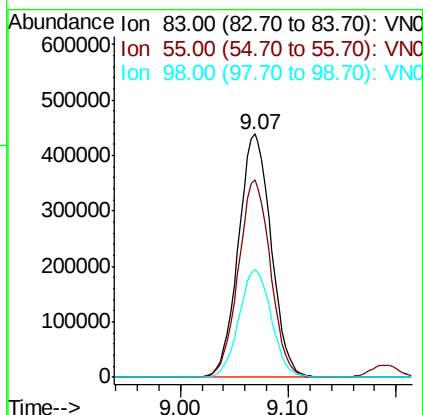
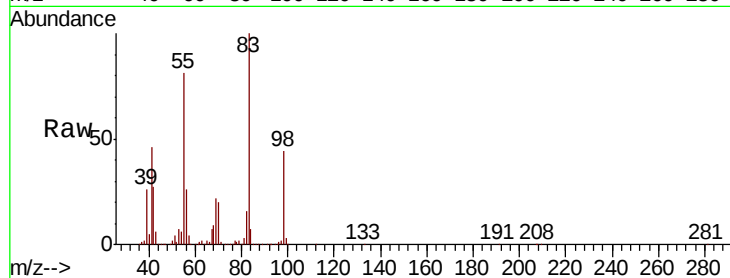
#39
Methvlcvclohexane
Concen: 106.550 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.0	63.4	95.0
98	44.2	35.1	52.7

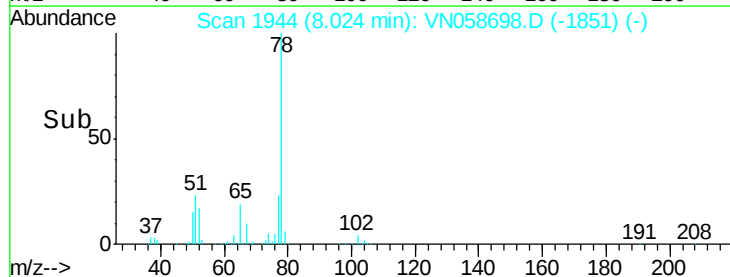
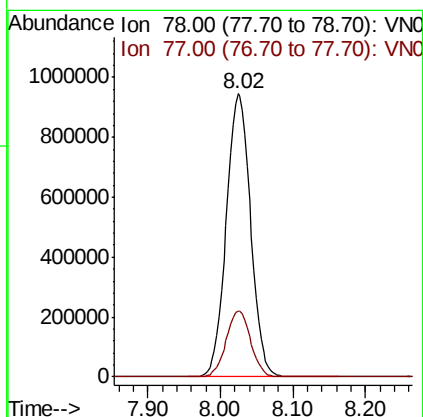
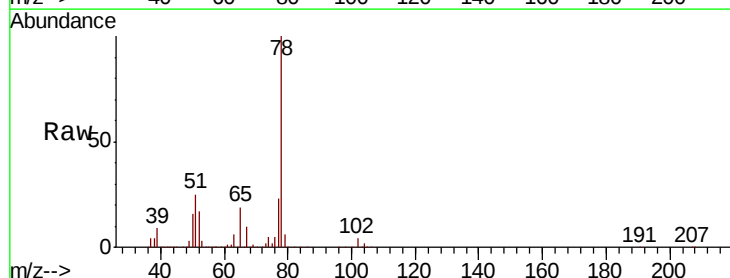
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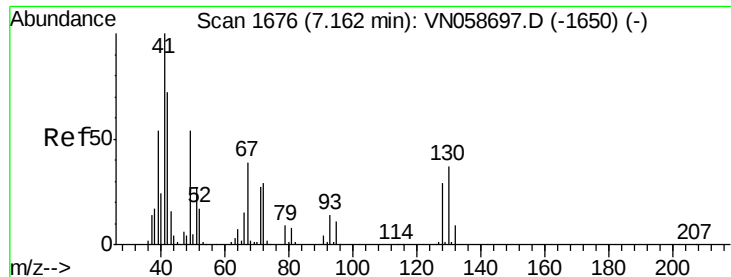
MMDadoda
10/16/2019 12:48:21 AM



#40
Benzene
Concen: 103.127 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





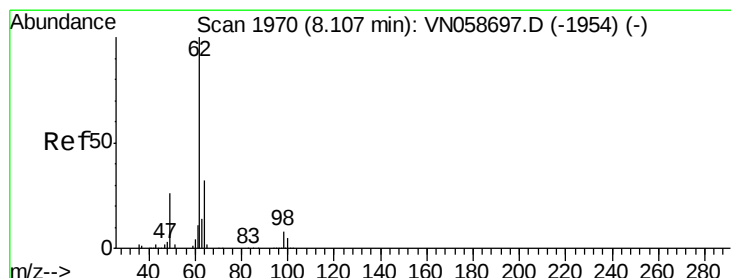
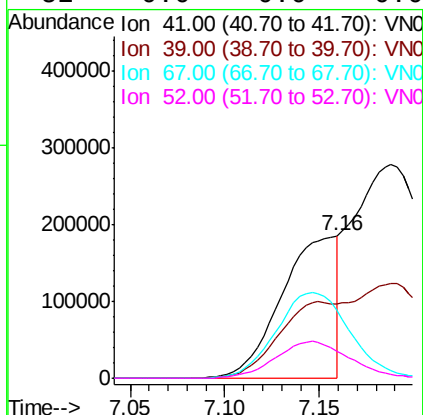
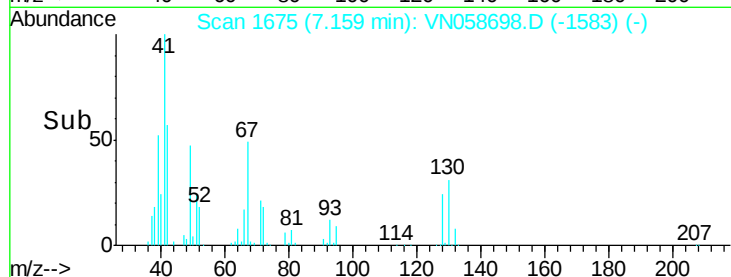
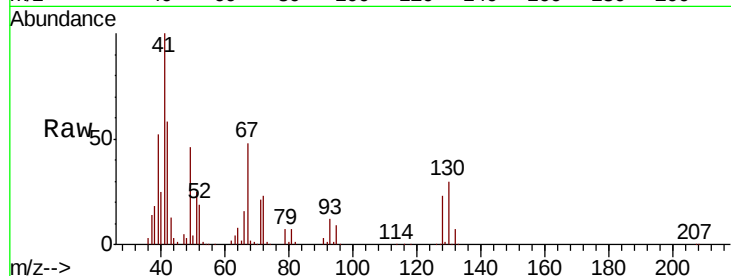
#41
Methacrylonitrile
Concen: 123.202 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

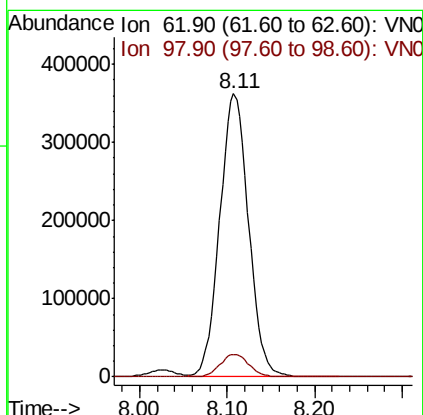
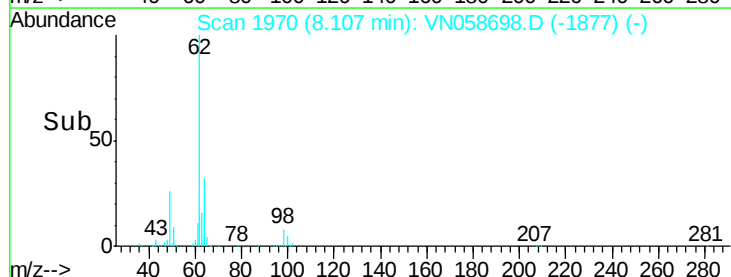
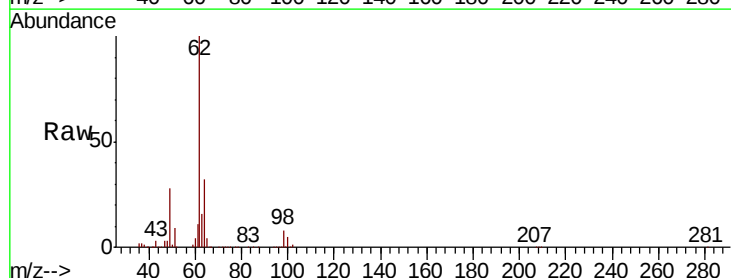
Manual Integrations
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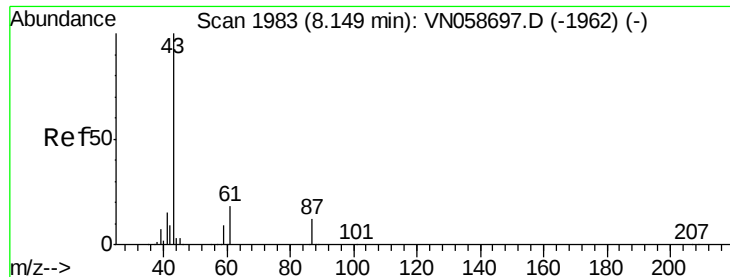
MMDadoda
10/16/2019 12:48:21 AM



#42
1,2-Dichloroethane
Concen: 99.778 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.8





#43

Isopropyl Acetate

Concen: 112.568 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1358841

Ion Ratio Lower Upper

43 100

61 25.1 20.3 30.5

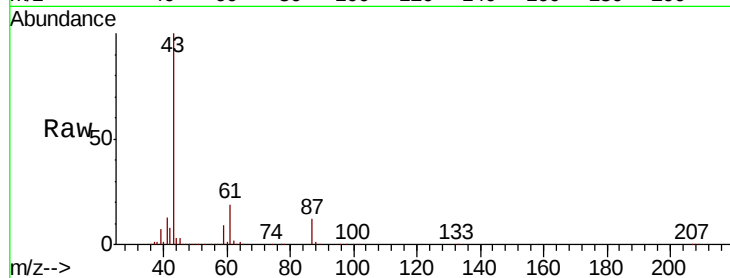
87 12.2 9.8 14.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN058698.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058698.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058698.D (-1890) (-)

8.15

600000

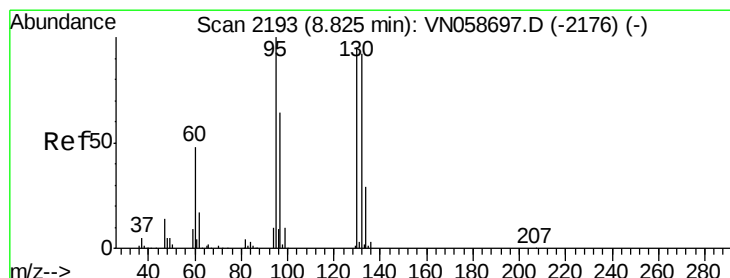
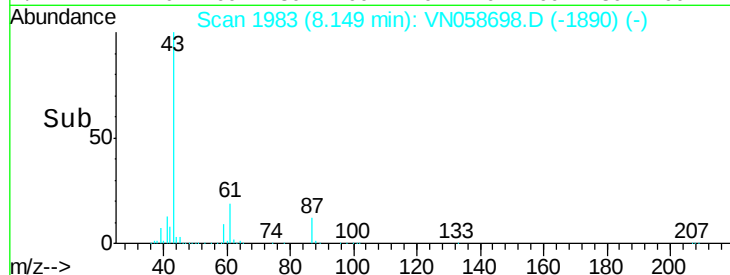
400000

200000

0

8.00 8.10 8.20 8.30

Time-->



#44

Trichloroethene

Concen: 103.380 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058698.D

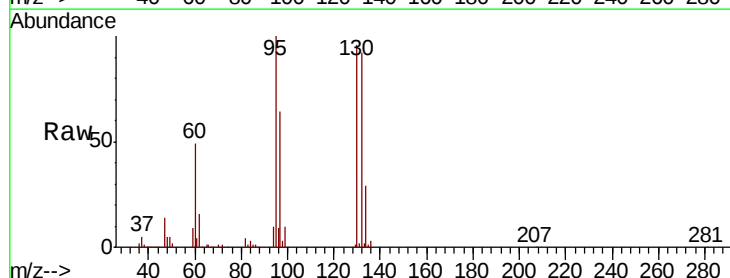
Acq: 11 Oct 2019 12:58

Tgt Ion:130 Resp: 543804

Ion Ratio Lower Upper

130 100

95 104.6 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058698.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058698.D (-2100) (-)

8.82

300000

250000

200000

150000

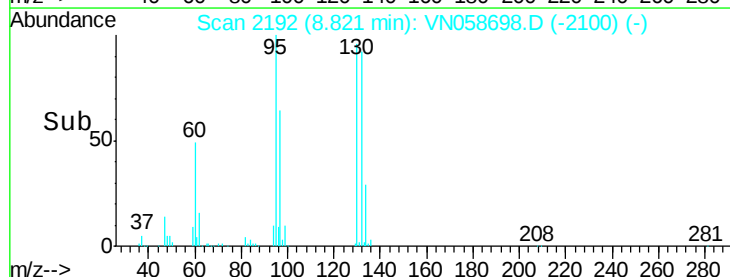
100000

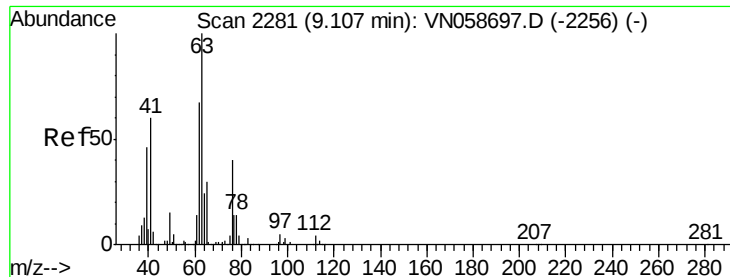
50000

0

8.70 8.80 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 103.726 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 63 Resp: 594085

Ion Ratio Lower Upper

63 100

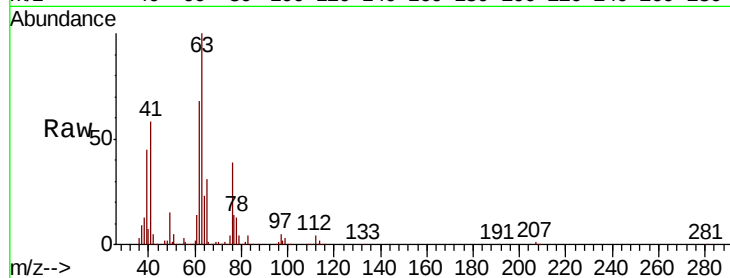
65 30.7 24.1 36.1

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Abundance Ion 62.90 (62.60 to 63.60): VN058698.D (-2188) (-)

Ion 64.90 (64.60 to 65.60): VN058698.D (-2188) (-)

9.11

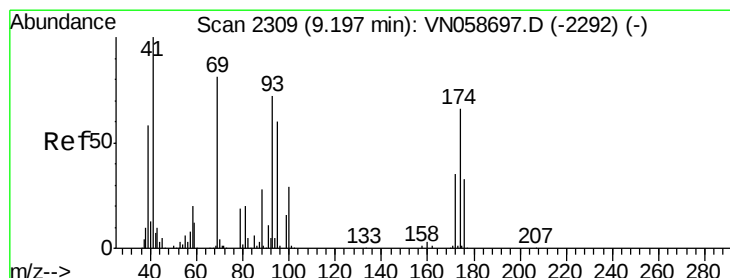
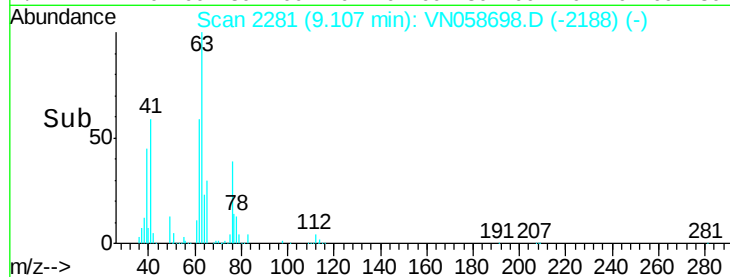
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 103.749 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

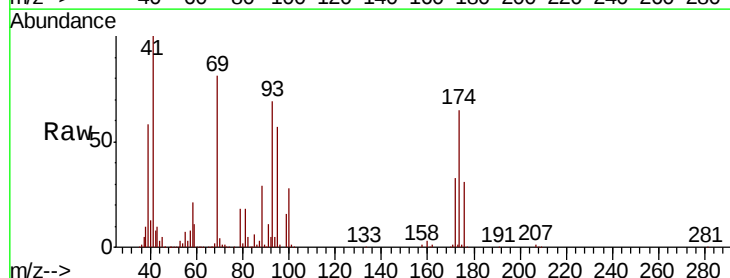
Tgt Ion: 93 Resp: 377130

Ion Ratio Lower Upper

93 100

95 82.5 66.6 100.0

174 93.2 75.2 112.8



Abundance Ion 92.80 (92.50 to 93.50): VN058698.D (-2216) (-)

Ion 94.80 (94.50 to 95.50): VN058698.D (-2216) (-)

Ion 173.70 (173.40 to 174.40): VN058698.D (-2216) (-)

9.20

250000

200000

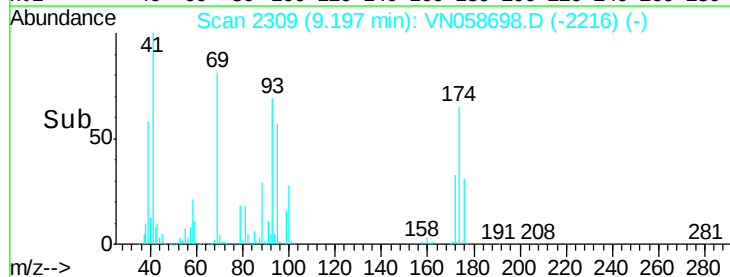
150000

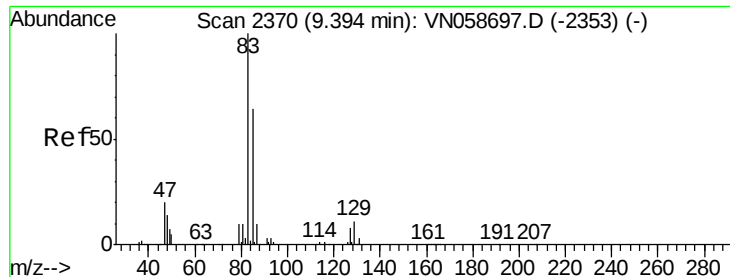
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 112.805 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

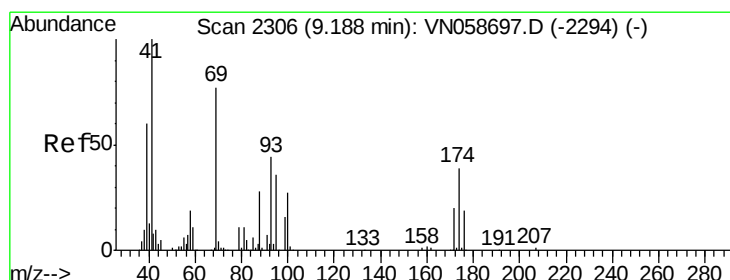
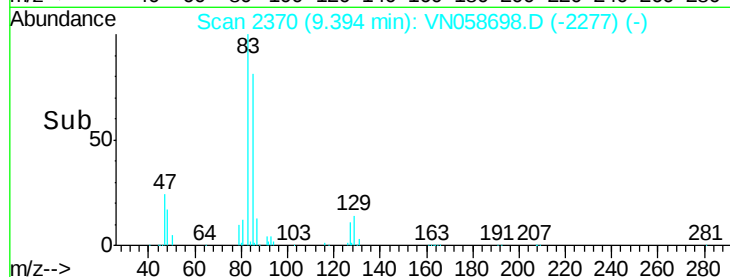
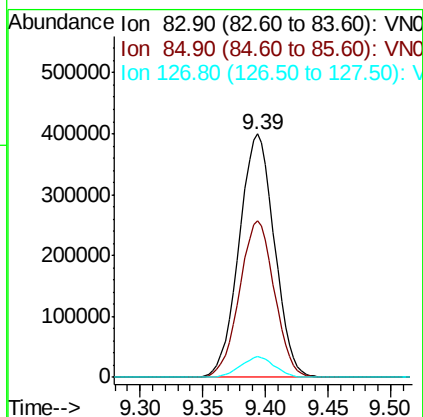
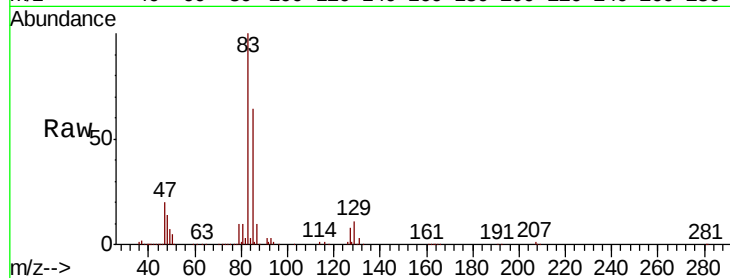
ClientSampleId :

VSTDICC100

Tot Ion:	83	Resp:	783070
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.9	76.3
127	8.4	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 116.209 ug/l

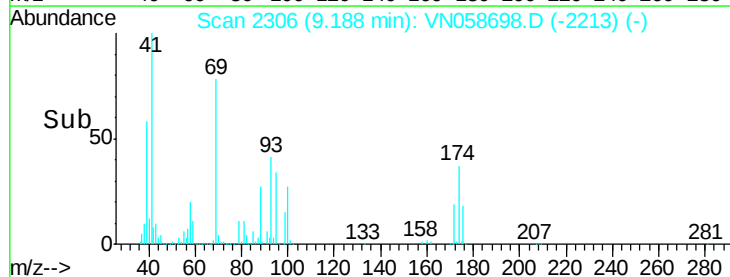
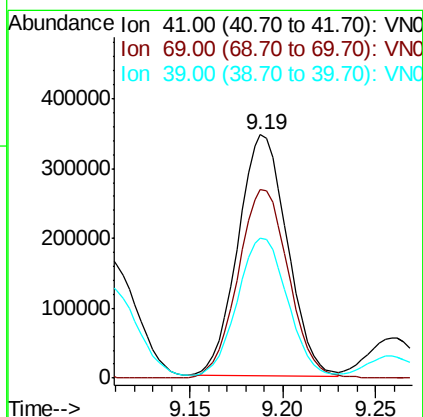
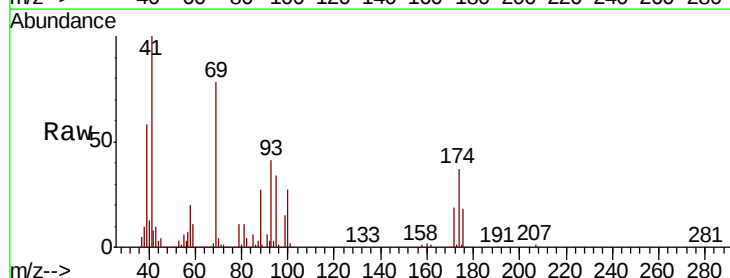
RT: 9.19 min Scan# 2306

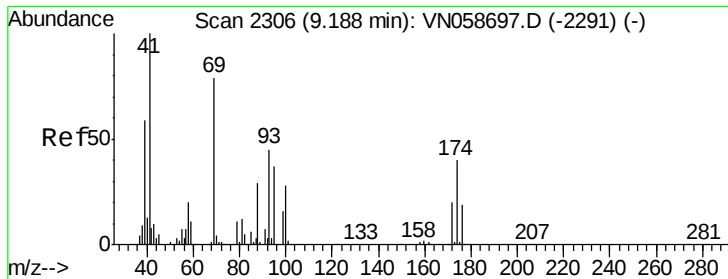
Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Tgt Ion:	41	Resp:	637375
Ion	Ratio	Lower	Upper
41	100		
69	80.4	63.4	95.2
39	59.8	48.9	73.3





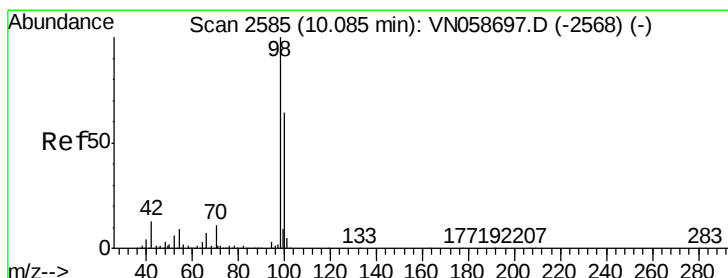
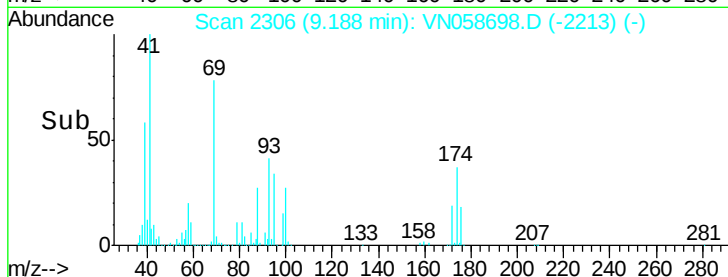
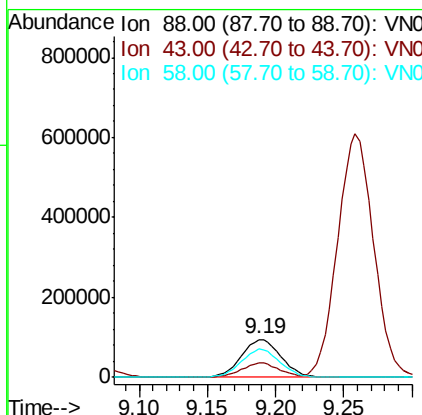
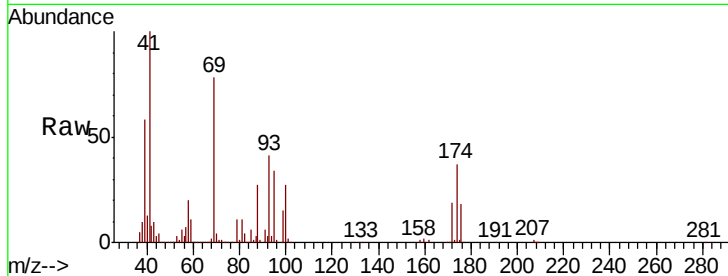
#49
1,4-Dioxane
Concen: 2572.412 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	28.6	43.0
58	73.3	57.2	85.8

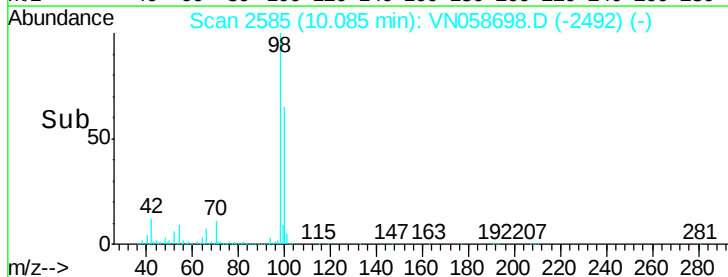
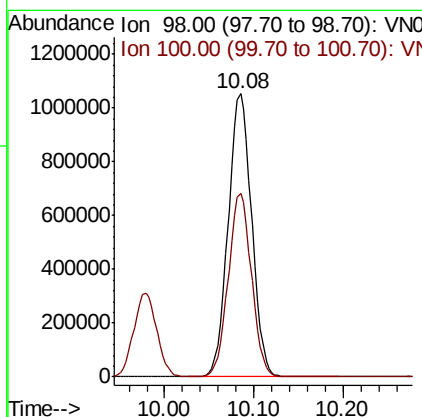
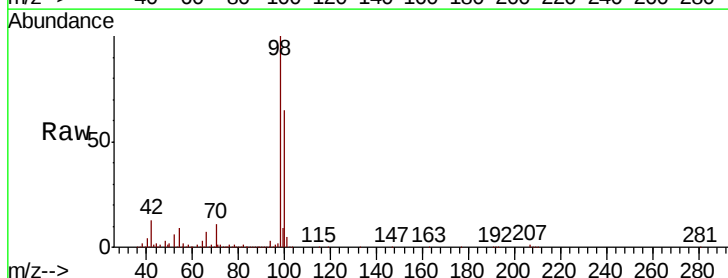
Manual Integrations
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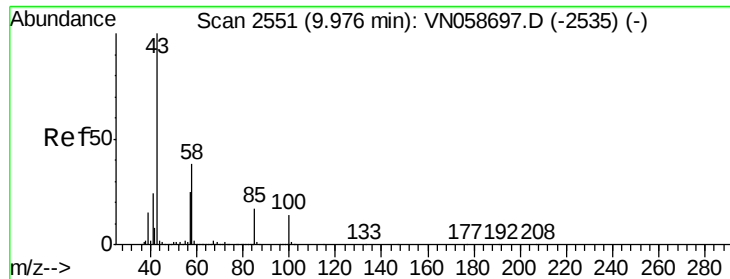
MMDadoda
10/16/2019 12:48:21 AM



#50
Toluene-d8
Concen: 103.148 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 607.070 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3837964

Ion Ratio Lower Upper

43 100

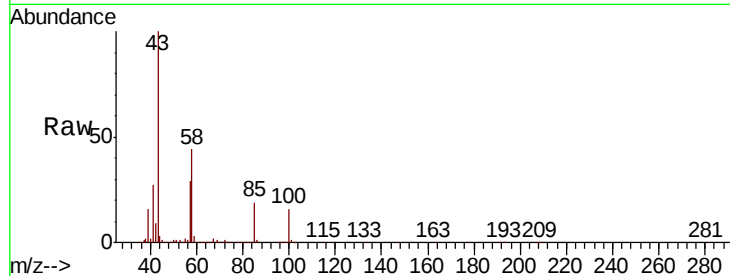
58 41.3 30.3 45.5

Manual Integrations

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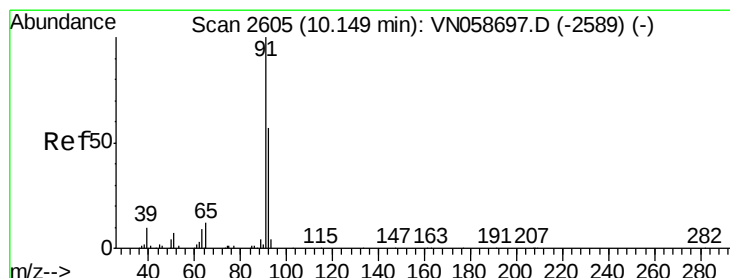
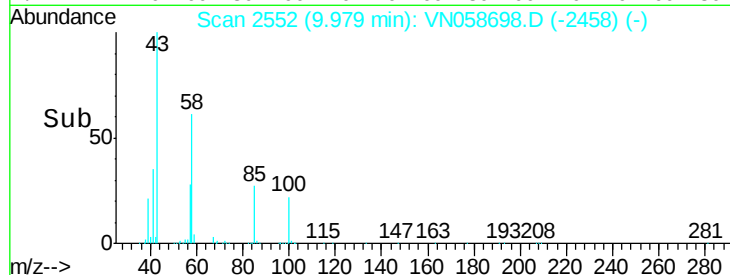
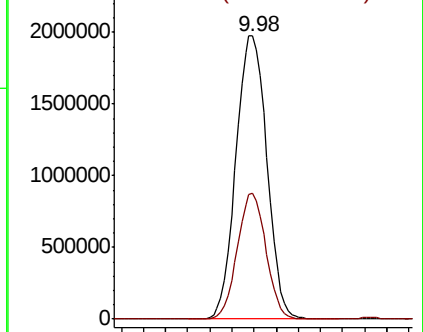
MMDadoda

10/16/2019 12:48:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)



#52

Toluene

Concen: 102.859 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058698.D

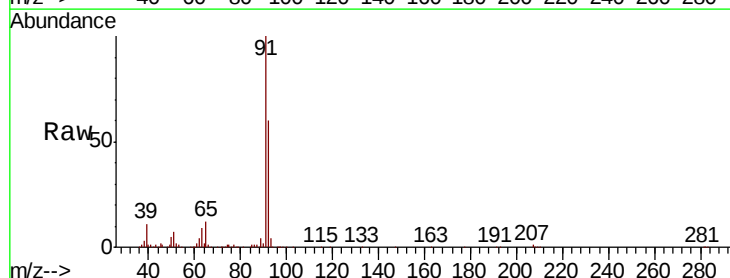
Acq: 11 Oct 2019 12:58

Tgt Ion: 92 Resp: 1383751

Ion Ratio Lower Upper

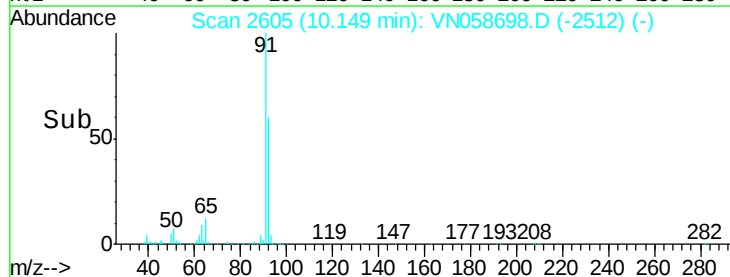
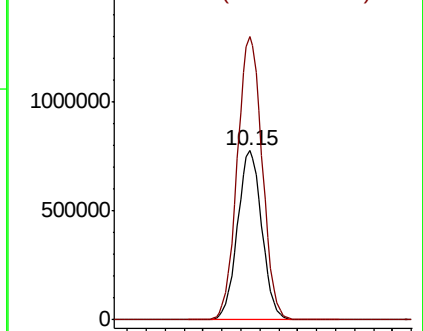
92 100

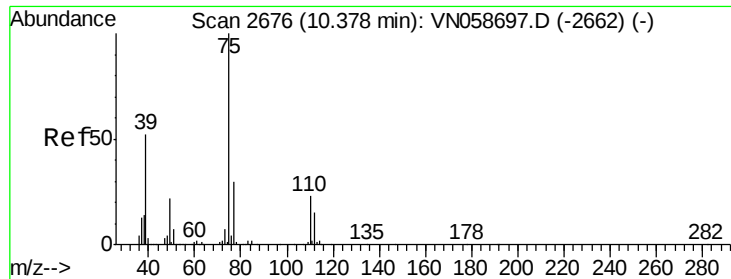
91 171.5 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-2589) (-)





#53

t-1,3-Dichloropropene

Concen: 123.033 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 932373

Ion Ratio Lower Upper

75 100

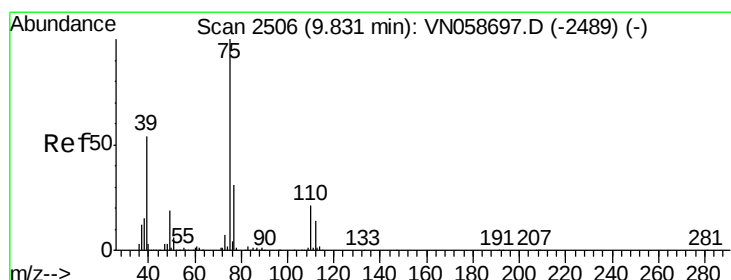
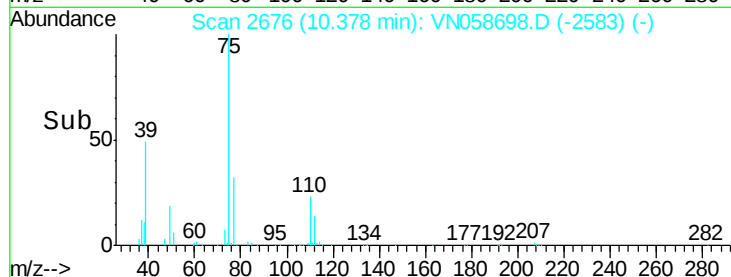
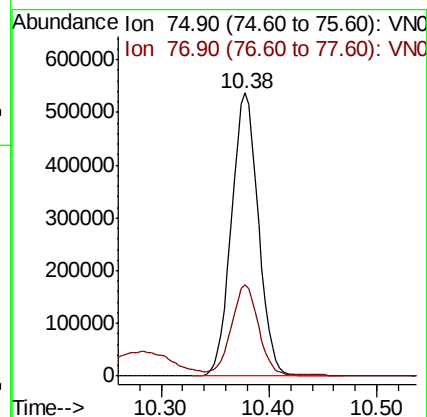
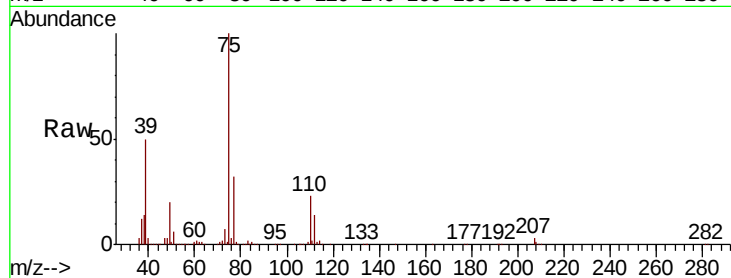
77 31.9 26.2 39.4

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#54

cis-1,3-Dichloropropene

Concen: 117.460 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

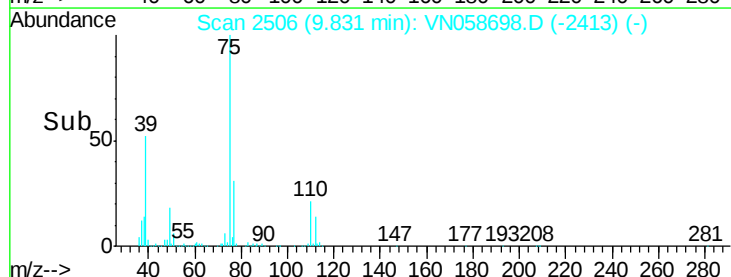
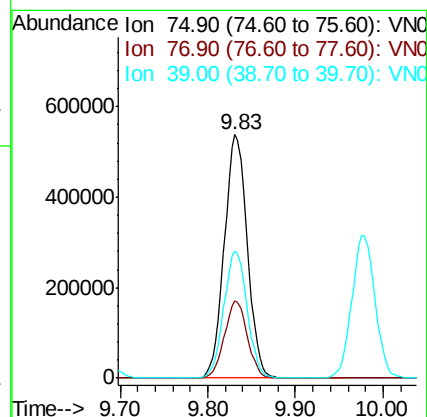
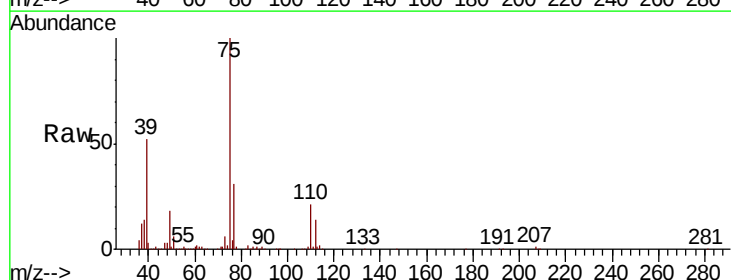
Tgt Ion: 75 Resp: 982177

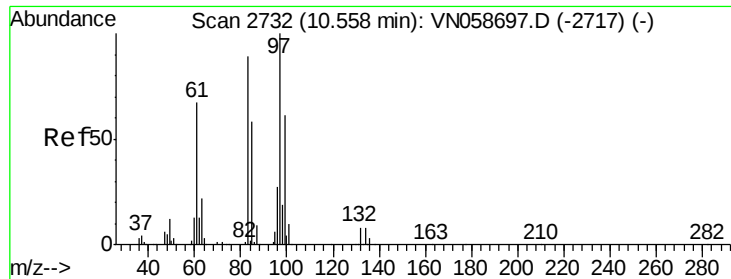
Ion Ratio Lower Upper

75 100

77 31.5 24.4 36.6

39 52.3 43.1 64.7





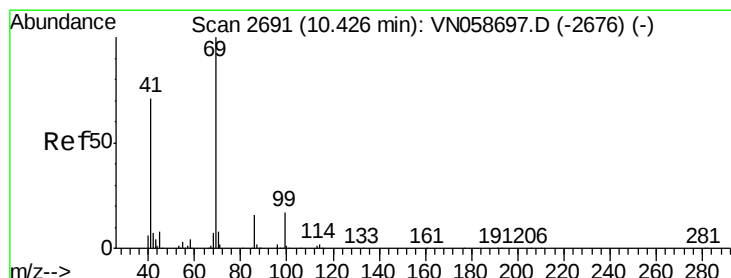
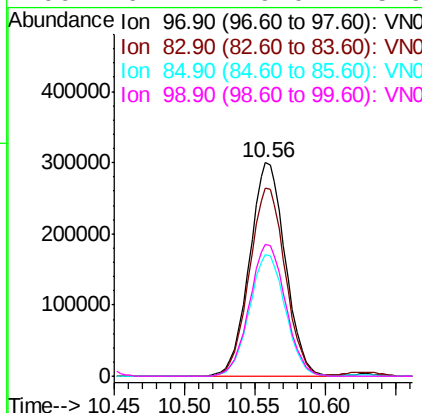
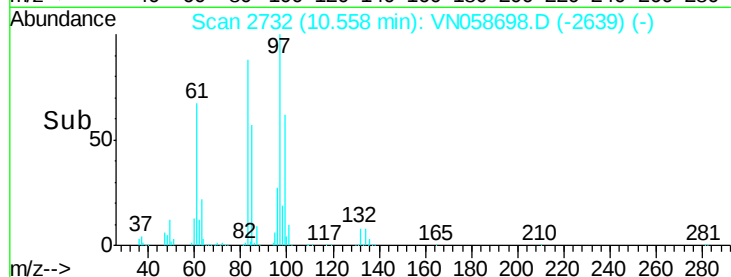
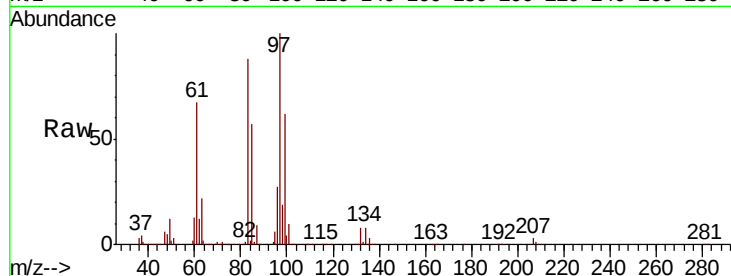
#55
 1,1,2-Trichloroethane
 Concen: 108.517 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	533312
Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.2	106.8
85	56.7	46.7	70.1
99	61.7	49.0	73.6

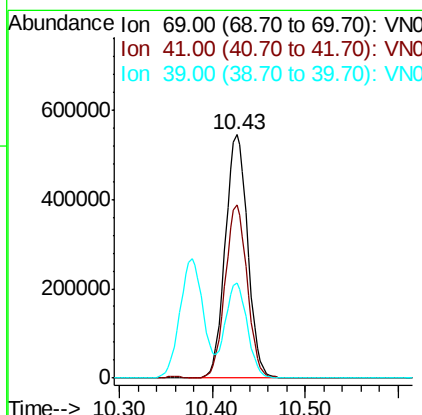
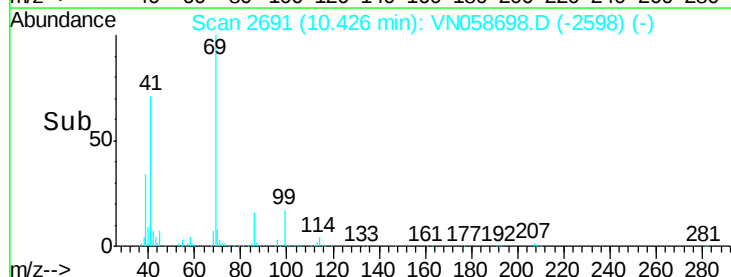
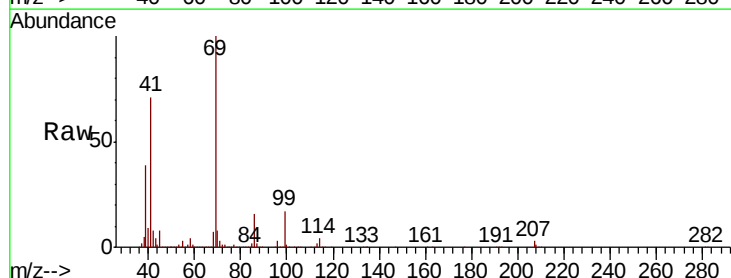
Manual Integrations
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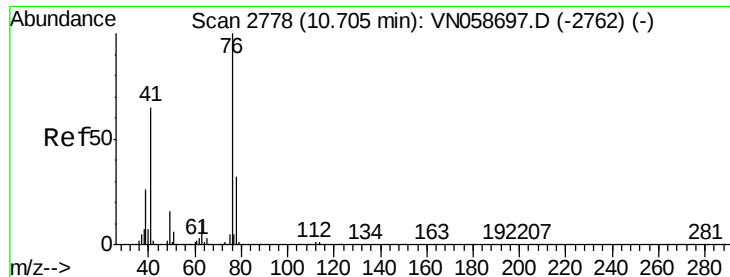
MMDadoda
 10/16/2019 12:48:21 AM



#56
 Ethyl methacrylate
 Concen: 121.656 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion:	69	Resp:	913688
Ion	Ratio	Lower	Upper
69	100		
41	69.6	56.8	85.2
39	38.0	32.5	48.7





#57

1,3-Dichloropropane

Concen: 109.173 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 957596

Ion Ratio Lower Upper

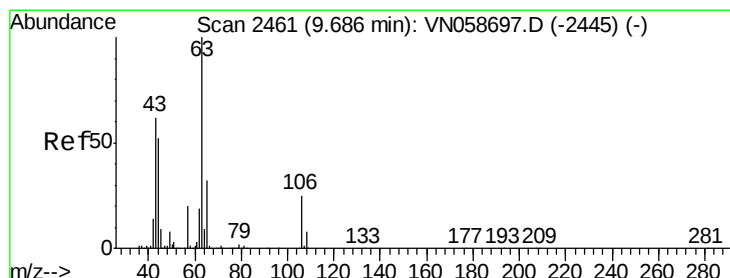
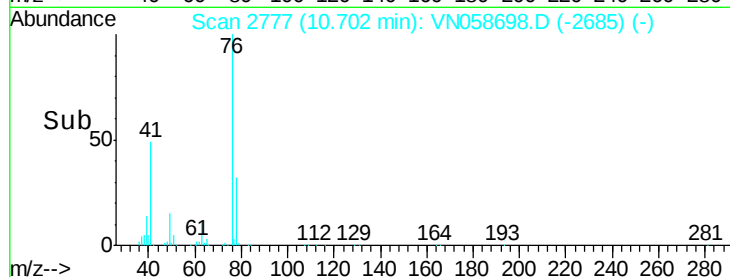
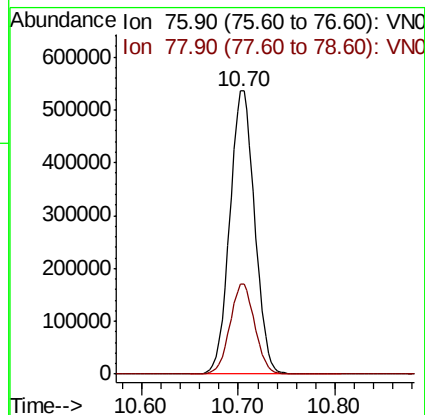
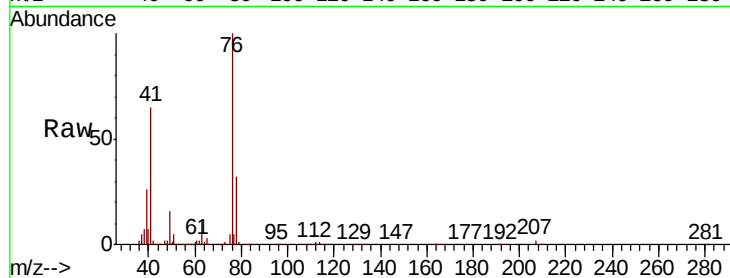
76 100

78 31.8 25.9 38.9

Manual Integrations
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MMDadoda

10/16/2019 12:48:21 AM



#58

2-Chloroethyl Vinyl ether

Concen: 693.439 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058698.D

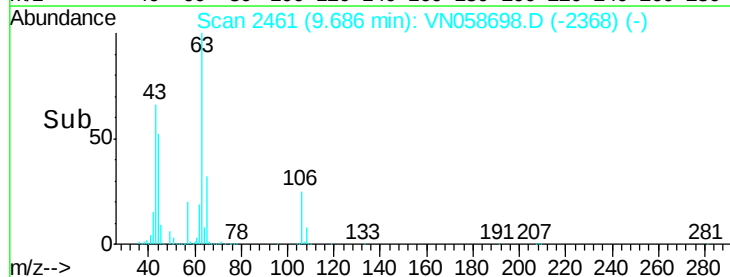
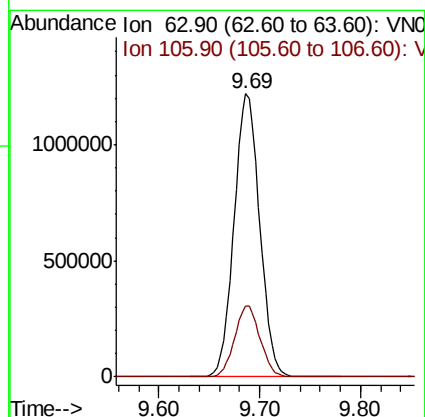
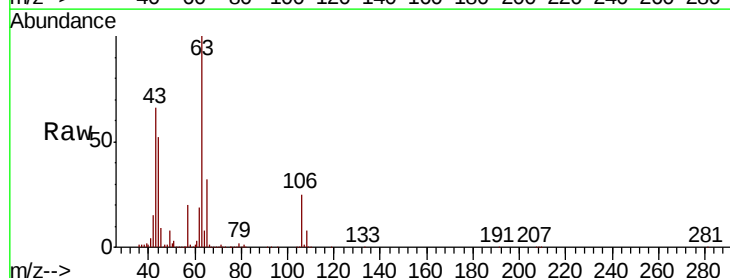
Acq: 11 Oct 2019 12:58

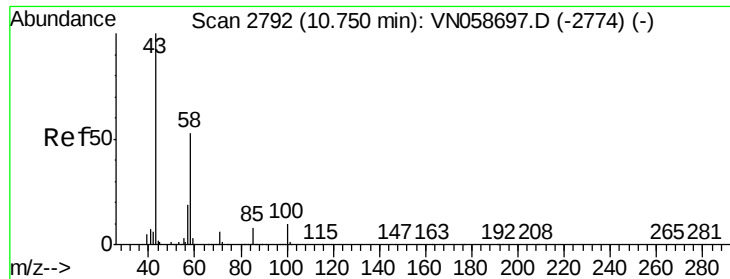
Tgt Ion: 63 Resp: 2155084

Ion Ratio Lower Upper

63 100

106 25.0 20.0 30.0





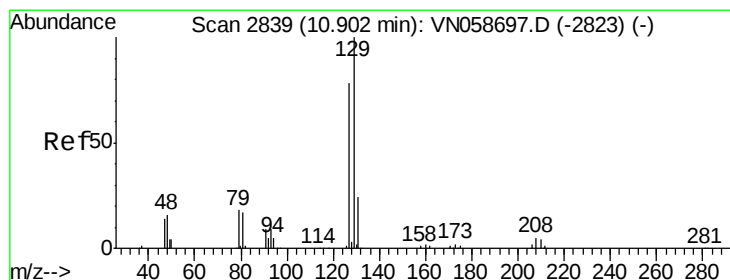
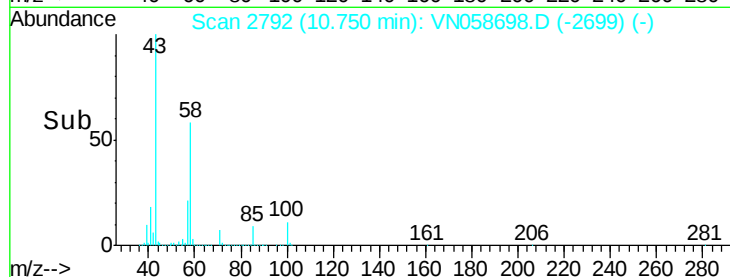
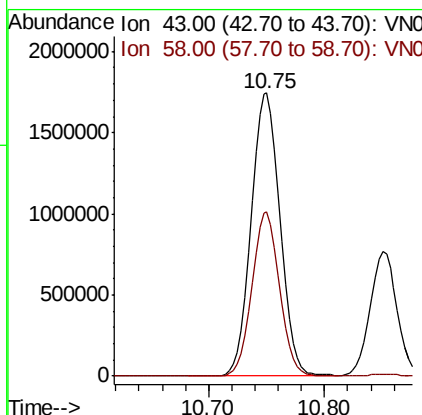
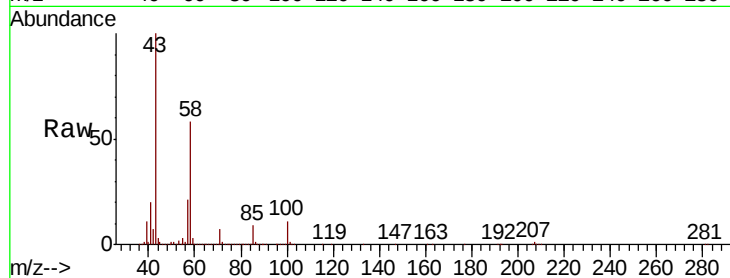
#59
2-Hexanone
Concen: 652.449 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 3037252
Ion Ratio Lower Upper
43 100
58 55.4 26.1 78.3

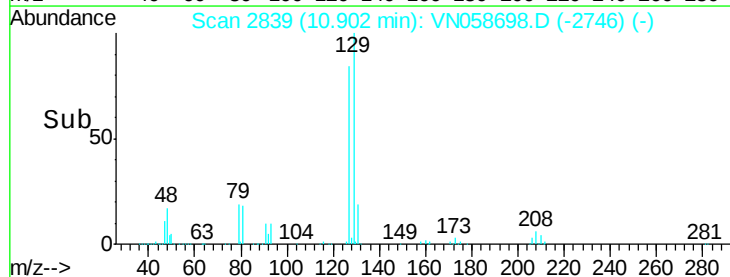
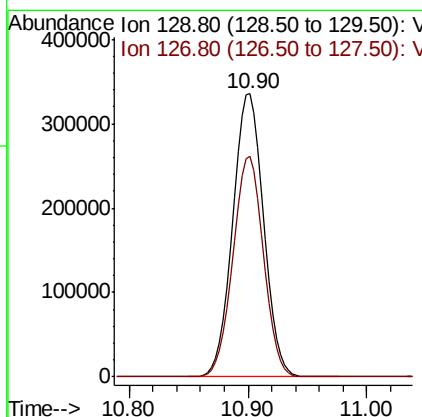
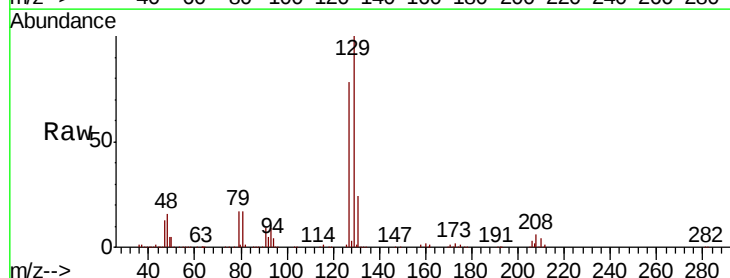
Manual Integrations
APPROVED

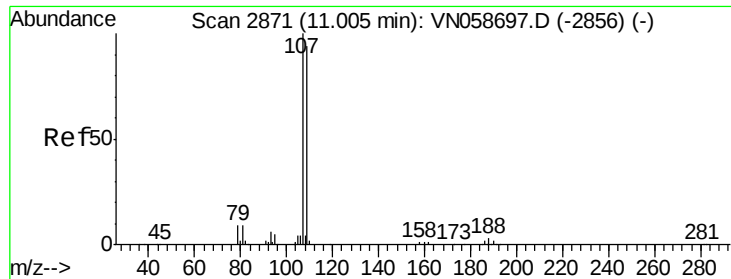
MMDadoda
10/16/2019 12:48:21 AM



#60
Dibromochloromethane
Concen: 127.135 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 129 Resp: 603379
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3





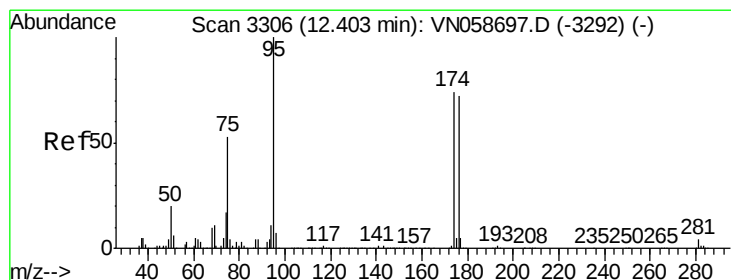
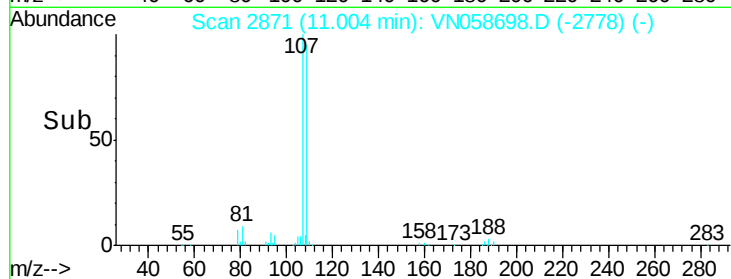
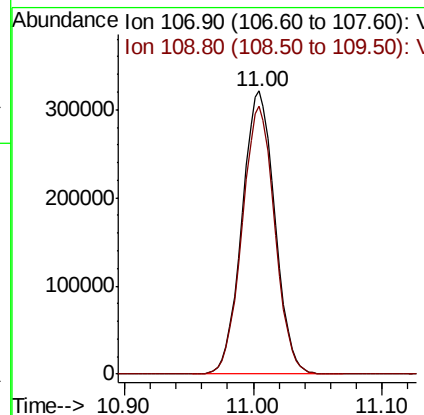
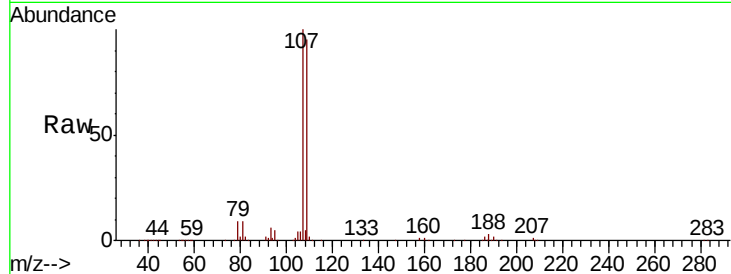
#61
 1,2-Dibromoethane
 Concen: 112.862 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.4	113.0

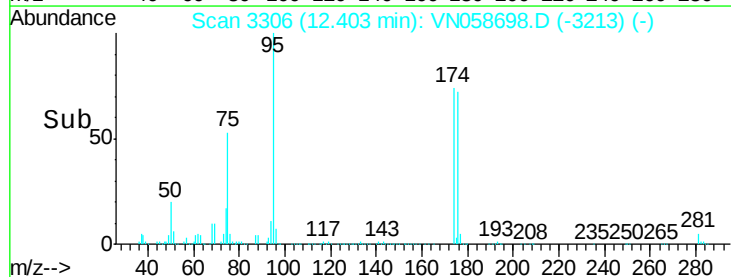
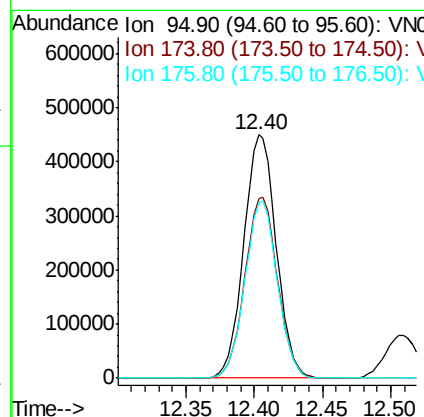
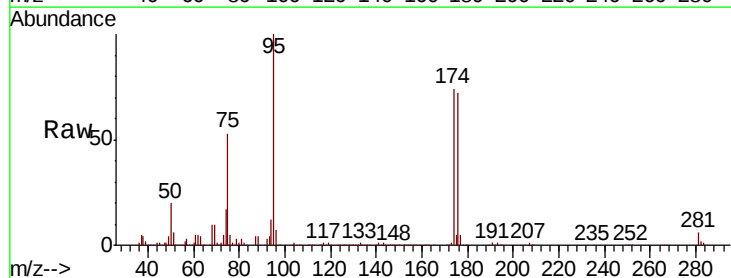
Manual Integrations
 APPROVED

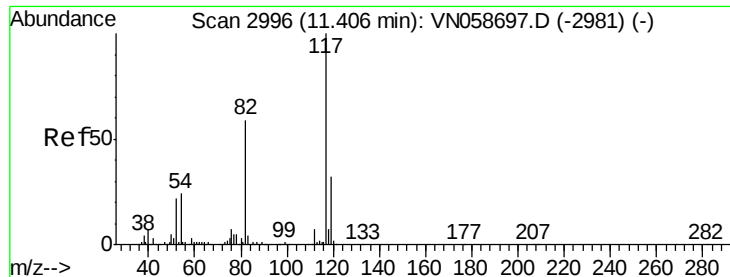
MMDadoda
 10/16/2019 12:48:21 AM



#62
 4-Bromofluorobenzene
 Concen: 109.331 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	150.4
176	72.8	0.0	146.8





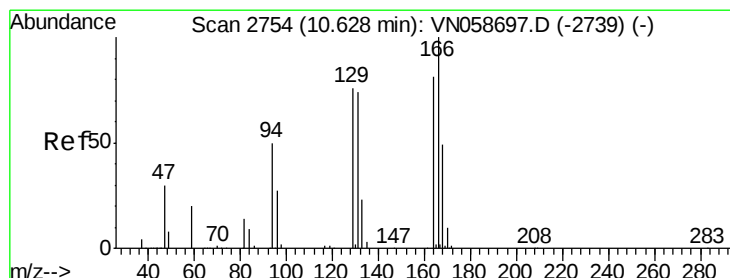
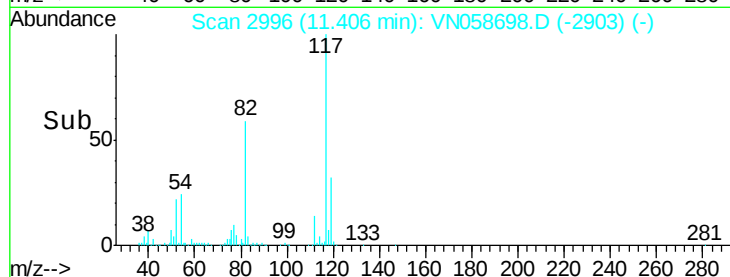
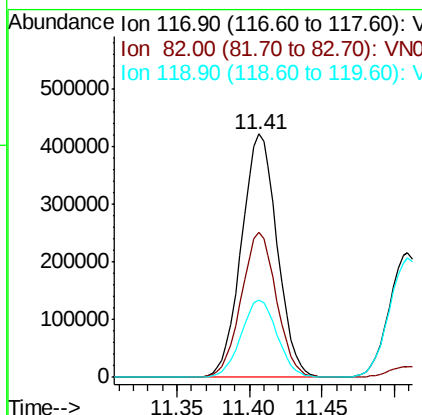
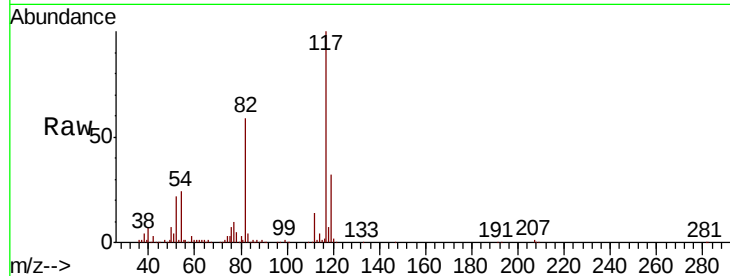
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	723401		
82	59.4		47.0	70.4
119	31.7		25.4	38.2

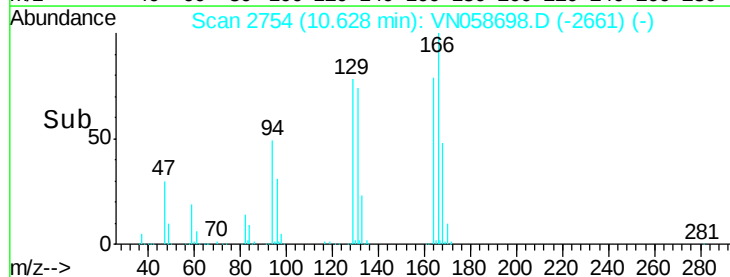
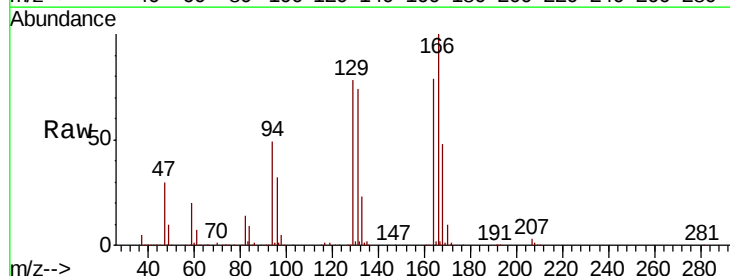
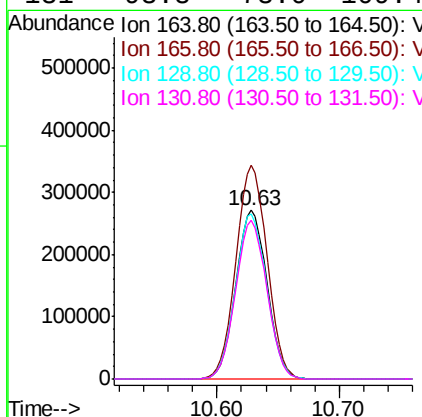
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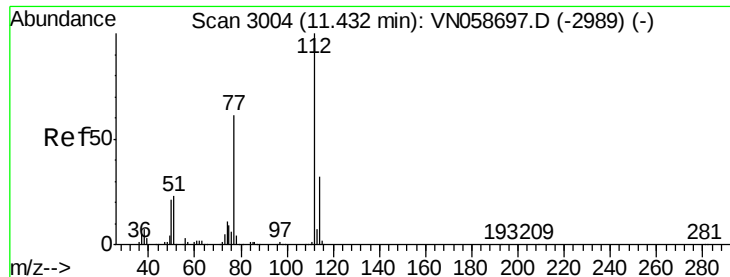
MMDadoda
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#64
Tetrachloroethene
Concen: 103.313 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	480744		
166	126.6		99.3	148.9
129	98.1		75.2	112.8
131	93.8		73.0	109.4





#65

Chlorobenzene

Concen: 101.332 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 1458341

Ion Ratio Lower Upper

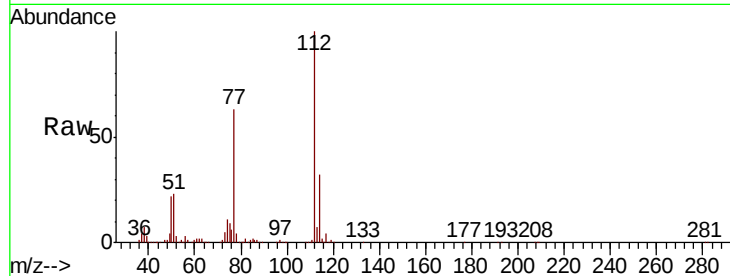
112 100

114 32.0 25.2 37.8

Manual Integrations
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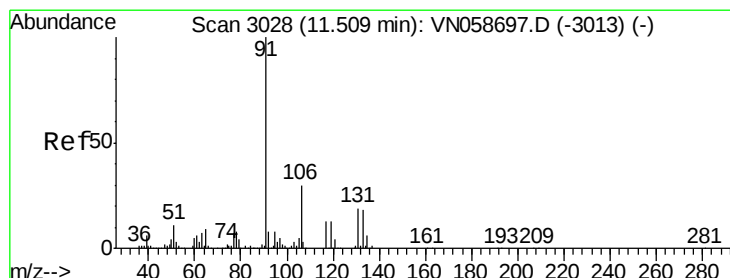
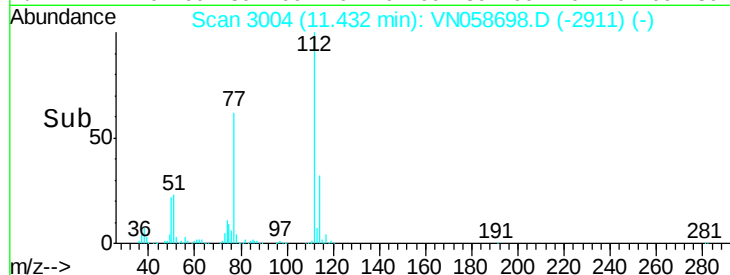
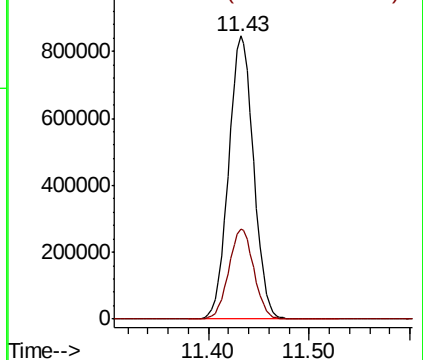
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 110.880 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

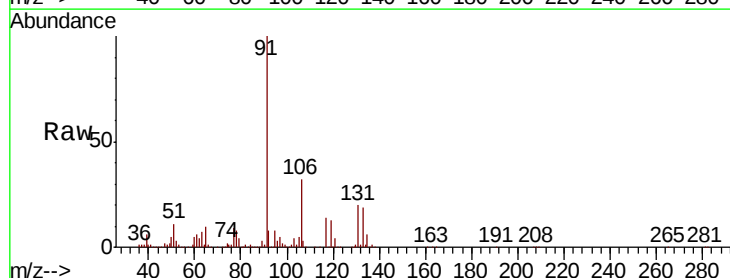
Tgt Ion:131 Resp: 543215

Ion Ratio Lower Upper

131 100

133 96.0 47.6 142.9

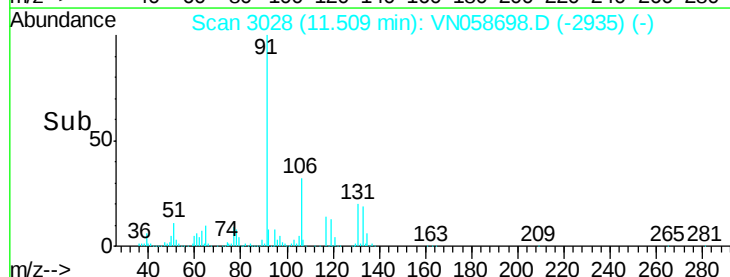
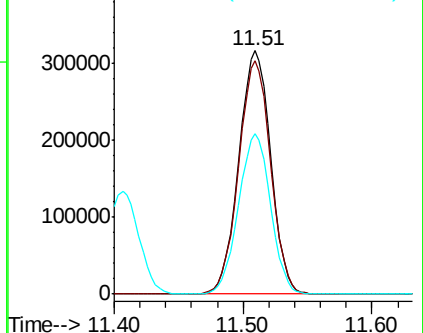
119 66.2 33.0 98.9

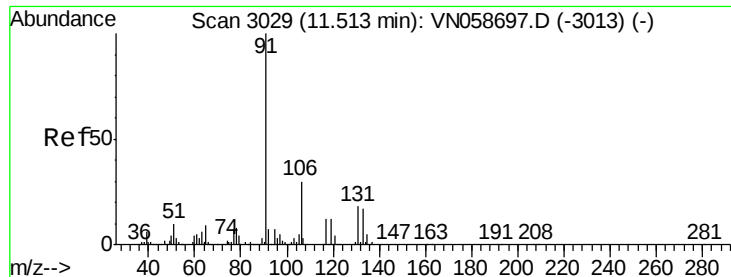


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 101.311 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2645104

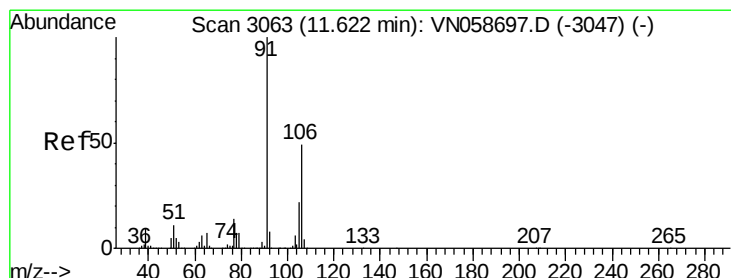
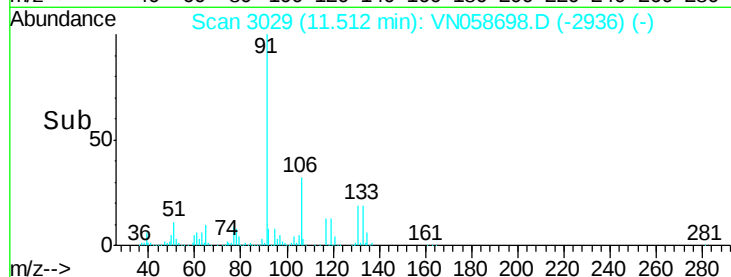
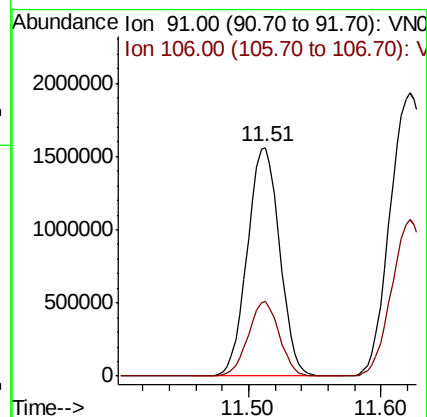
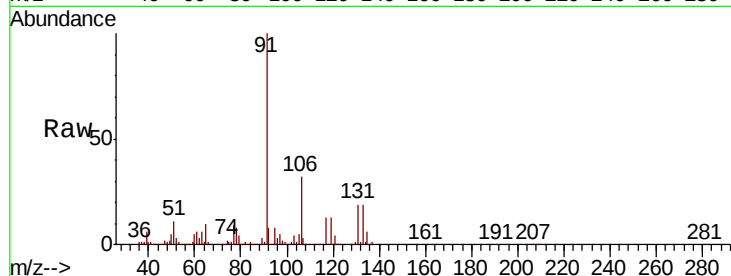
Ion Ratio Lower Upper

91 100

106 32.5 24.1 36.1

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#68

m/p-Xylenes

Concen: 207.410 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058698.D

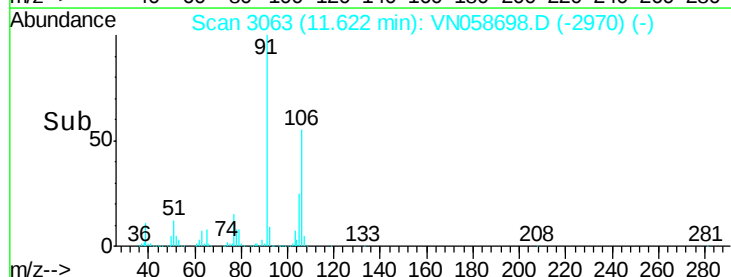
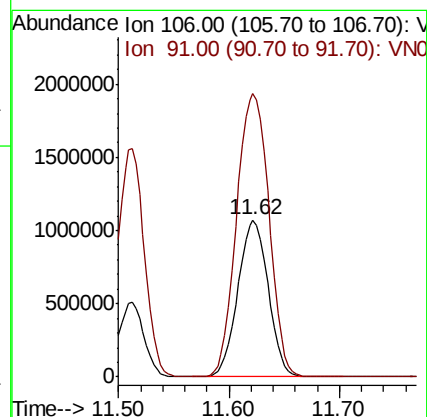
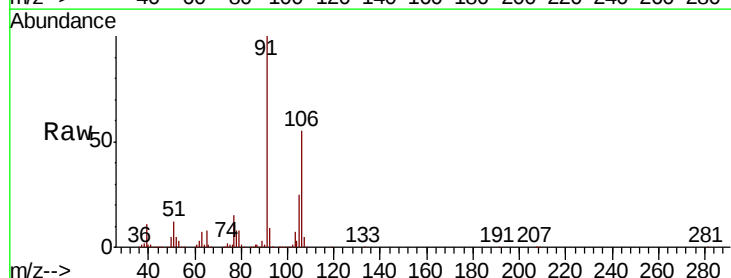
Acq: 11 Oct 2019 12:58

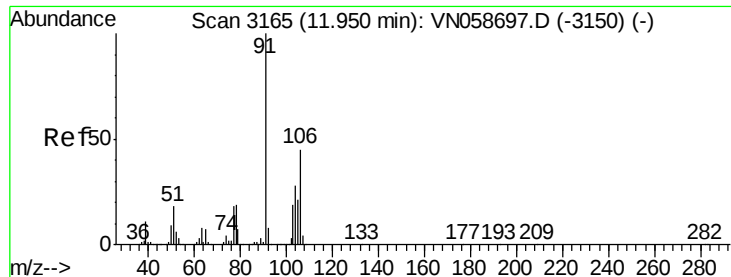
Tgt Ion: 106 Resp: 2037604

Ion Ratio Lower Upper

106 100

91 193.2 165.7 248.5





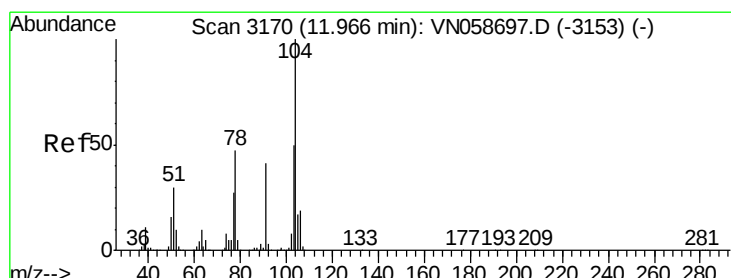
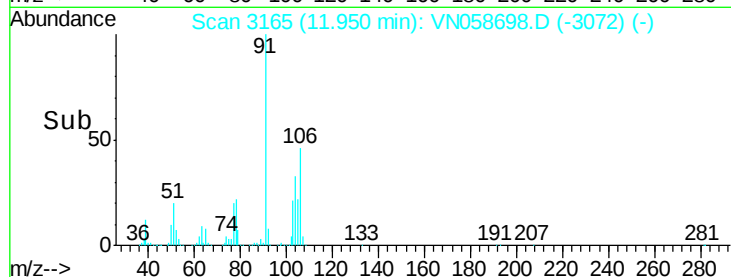
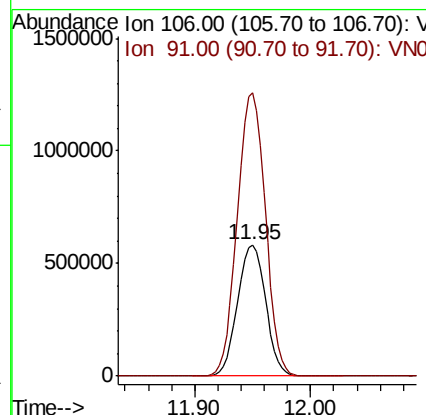
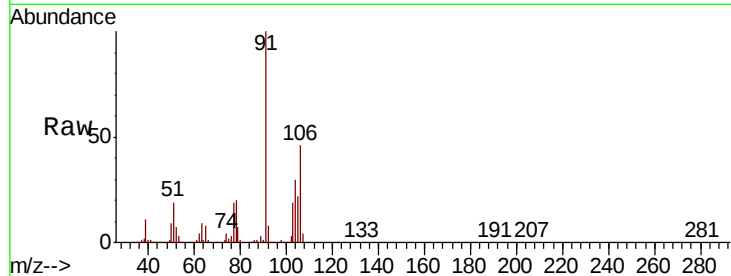
#69
o-Xylene
Concen: 103.537 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	976368		
91	91	216.5		110.9	332.9

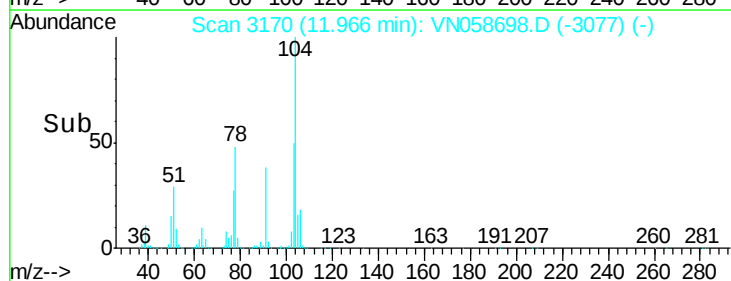
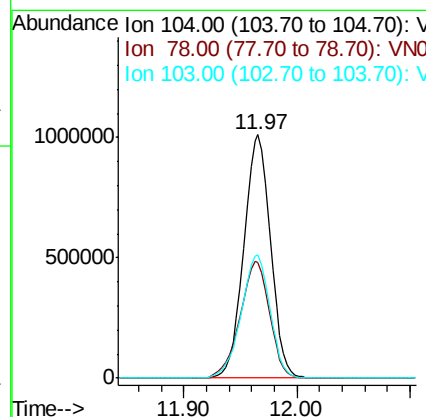
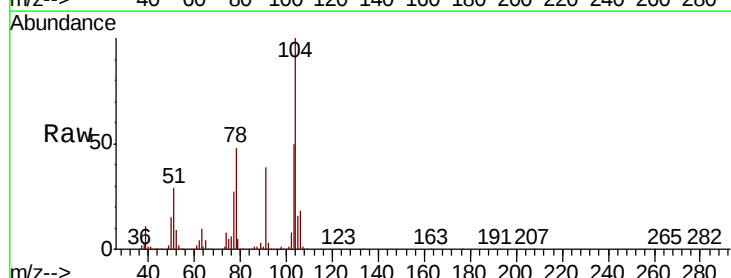
Manual Integrations
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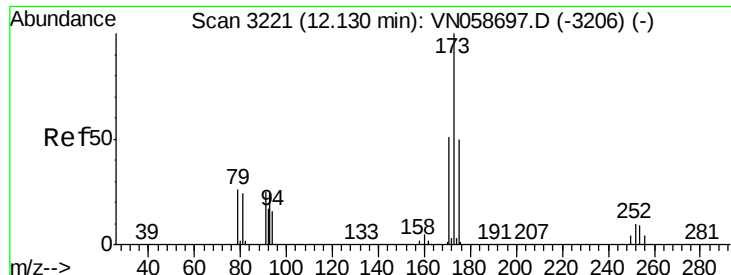
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#70
Styrene
Concen: 108.731 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	1665873		
78	78	52.8		42.2	63.2
103	103	54.6		43.7	65.5





#71

Bromoform

Concen: 138.189 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

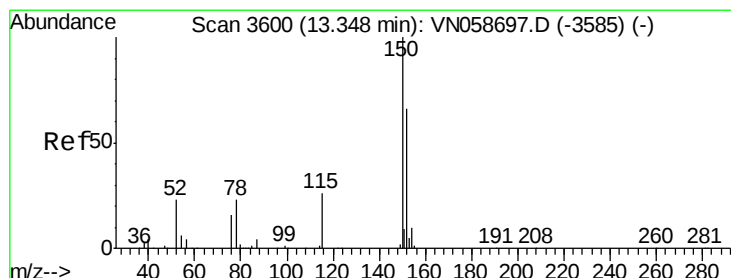
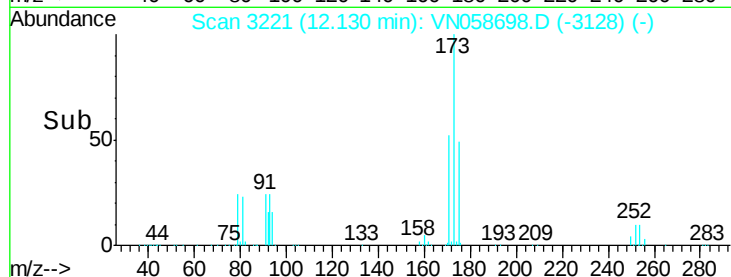
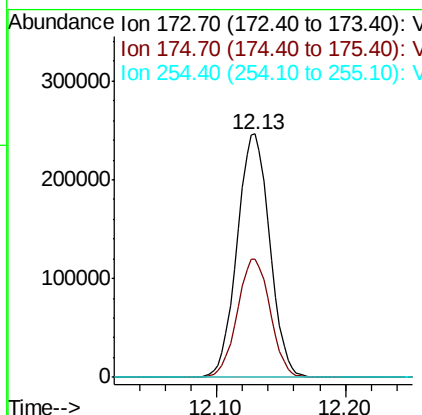
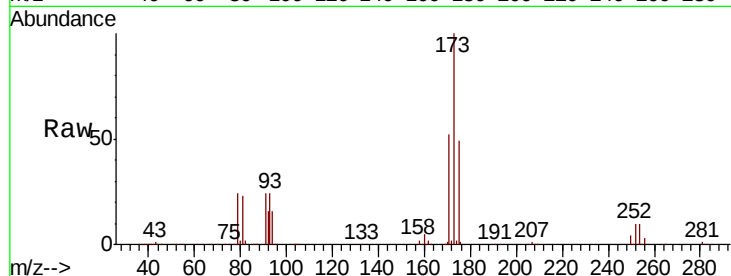
ClientSampleId :

VSTDIC100

Tot Ion:	173	Resp:	432995
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.6	73.8
254	0.1	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

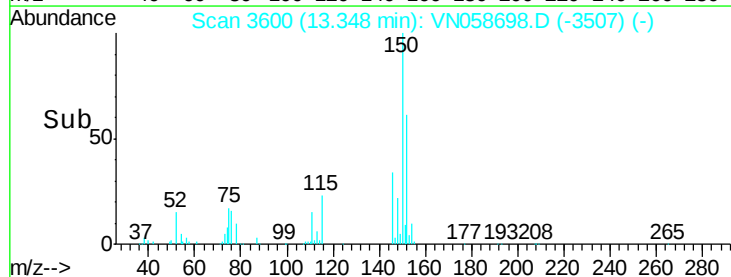
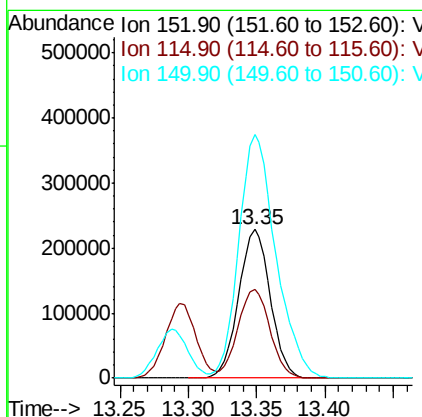
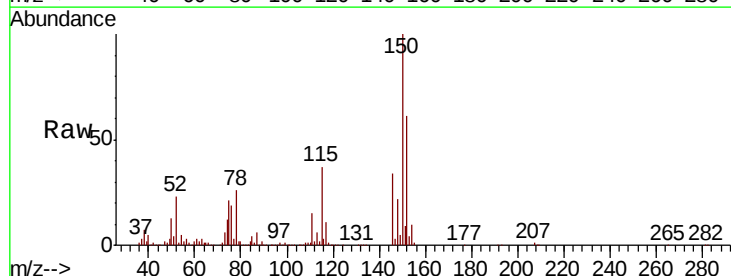
RT: 13.35 min Scan# 3600

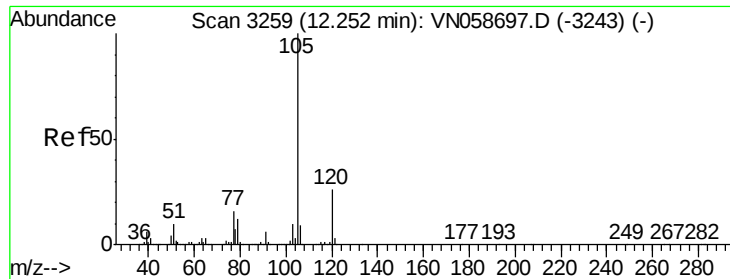
Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Tgt Ion:	152	Resp:	368385
Ion Ratio	Lower	Upper	
152	100		
115	60.3	30.4	91.2
150	190.8	0.0	345.4





#73

Isopropylbenzene

Concen: 96.431 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2612287

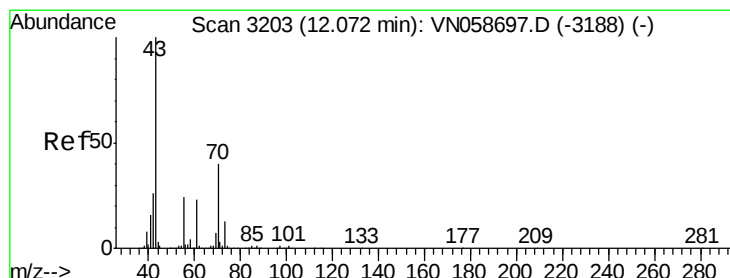
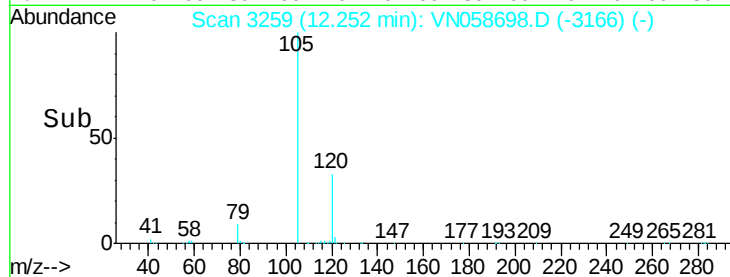
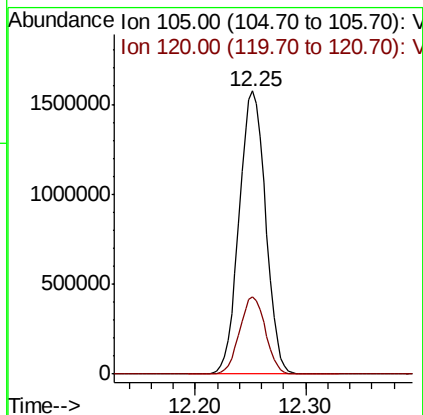
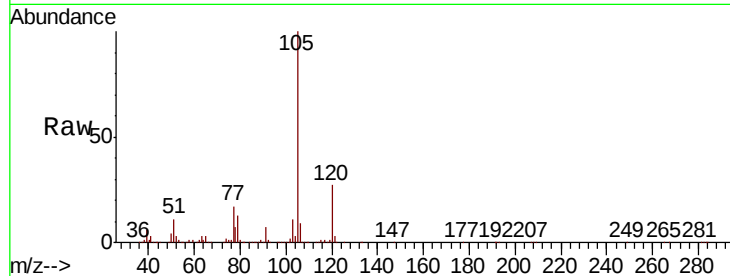
Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.1

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#74

N-ethyl acetate

Concen: 114.607 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Tgt Ion: 43 Resp: 1259572

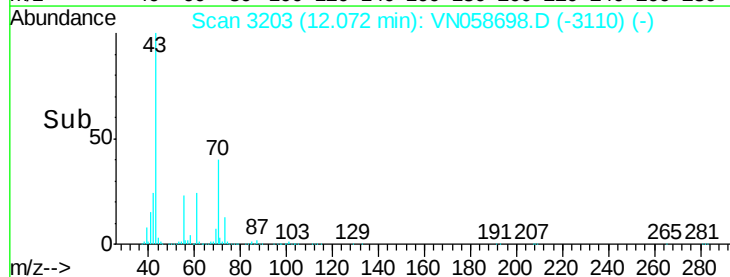
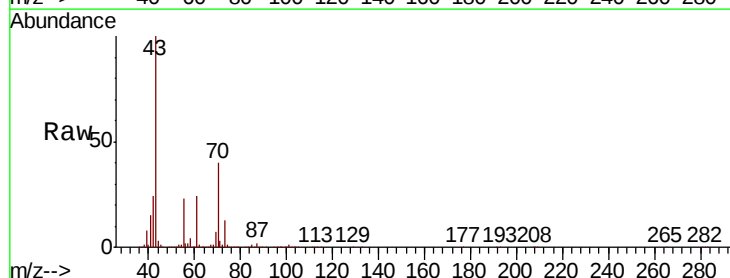
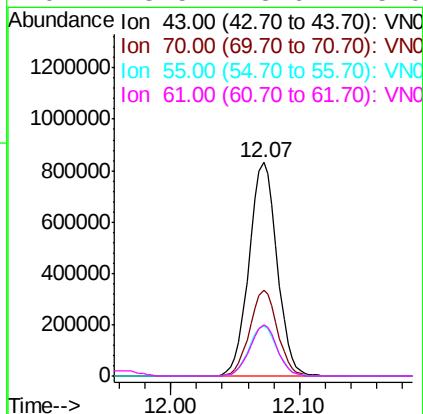
Ion Ratio Lower Upper

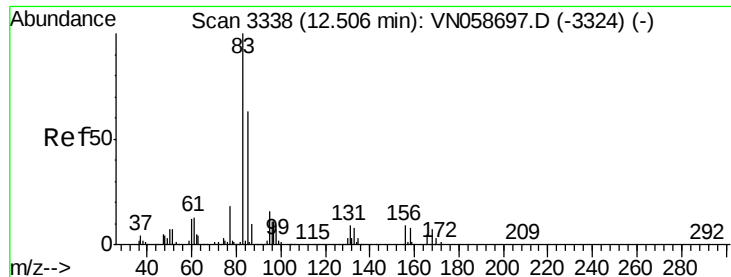
43 100

70 40.0 32.2 48.4

55 23.6 19.6 29.4

61 23.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 102.777 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

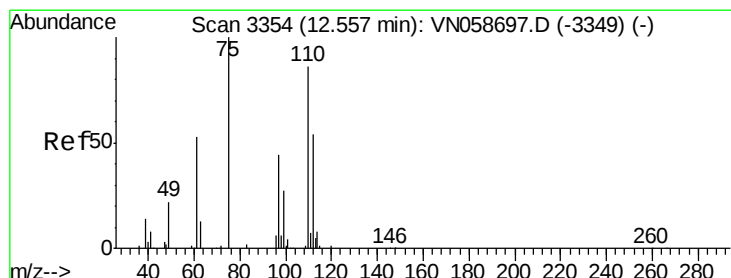
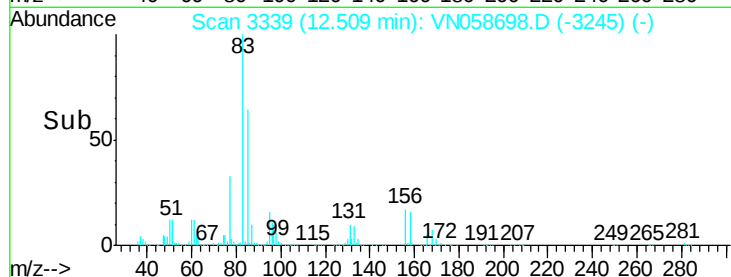
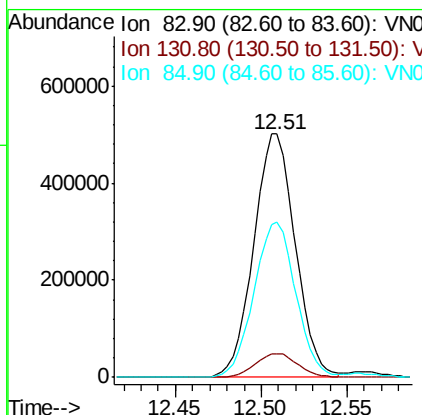
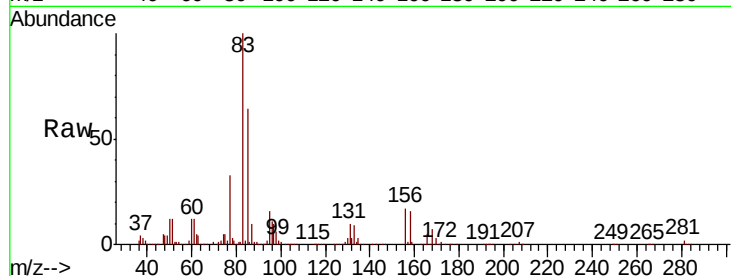
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	838434
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.8	14.4
85	64.3	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 110.507 ug/l m

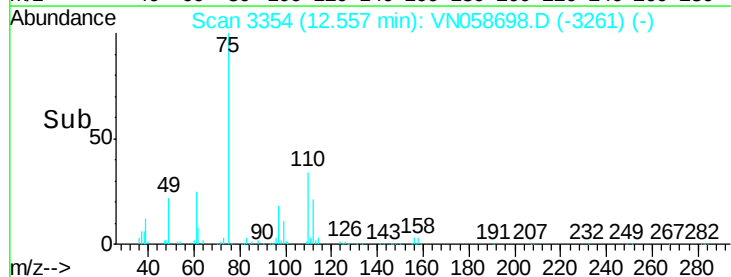
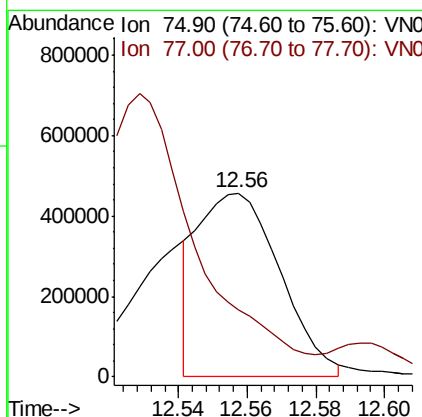
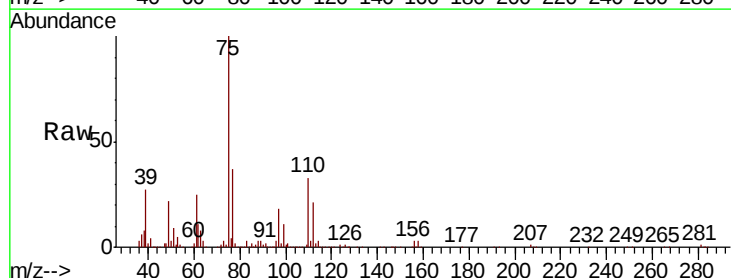
RT: 12.56 min Scan# 3354

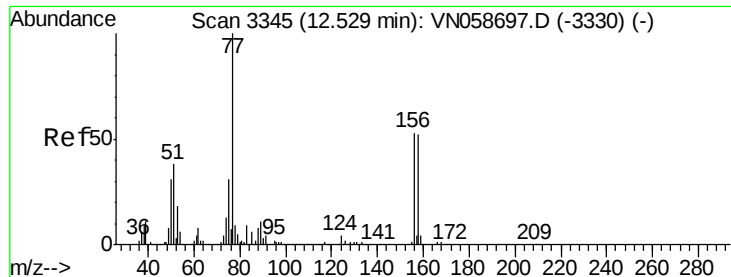
Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Tgt Ion:	75	Resp:	757927
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 97.871 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 623678

Ion Ratio Lower Upper

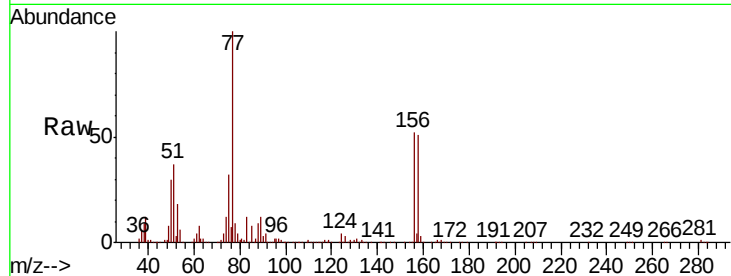
156 100

77 231.8 115.8 347.3

158 97.6 48.9 146.6

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

800000

600000

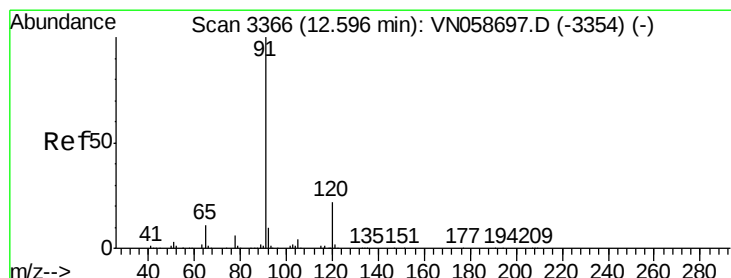
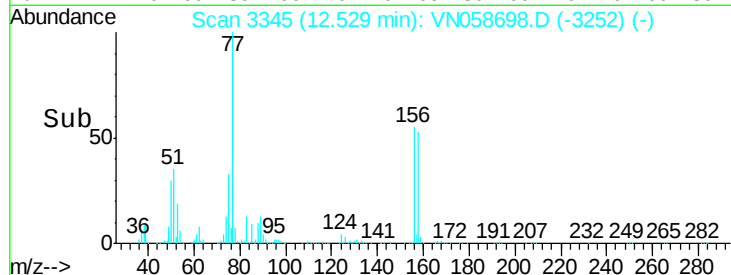
400000

200000

0

12.50 12.53 12.60

Time-->



#78

n-propylbenzene

Concen: 99.366 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058698.D

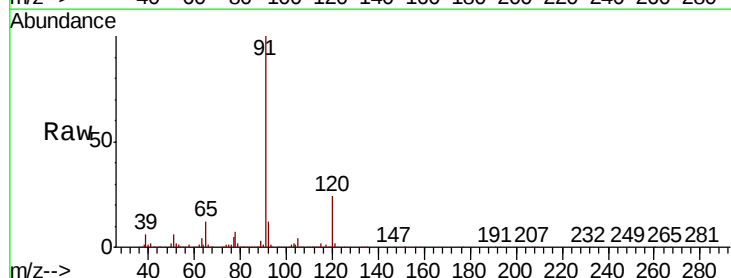
Acq: 11 Oct 2019 12:58

Tgt Ion: 91 Resp: 3045295

Ion Ratio Lower Upper

91 100

120 23.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

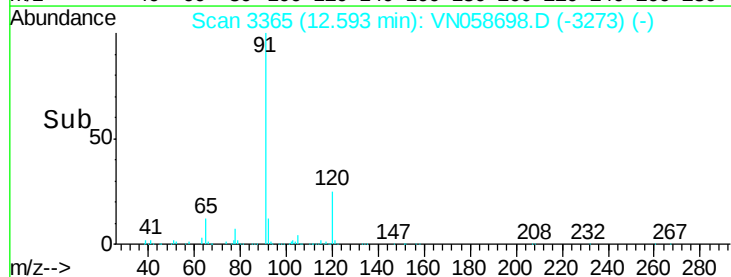
1000000

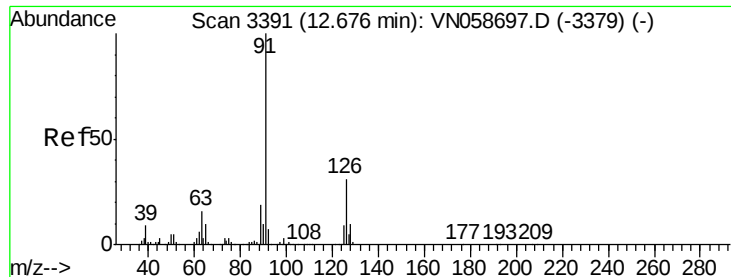
500000

0

12.55 12.59 12.65

Time-->





#79

2-Chlorotoluene

Concen: 97.838 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1849087

Ion Ratio Lower Upper

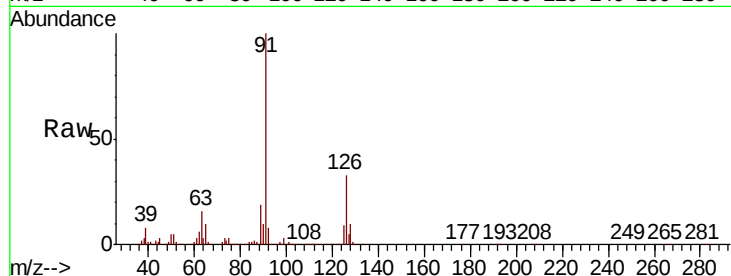
91 100

126 32.7 16.2 48.5

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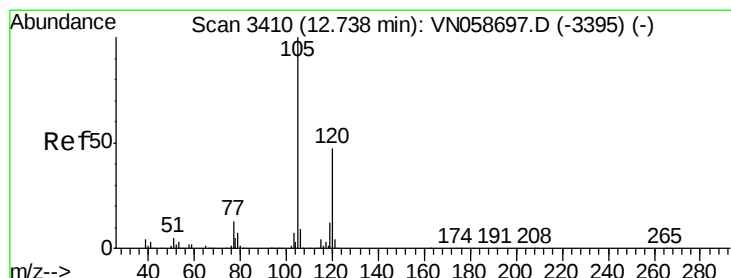
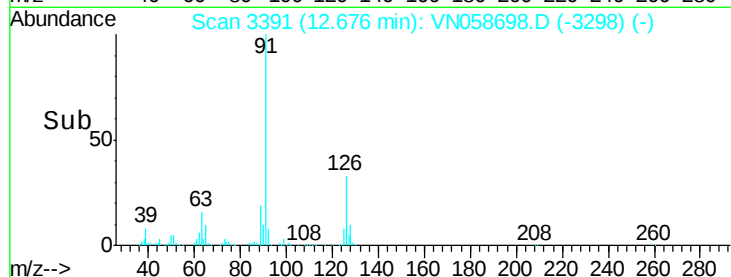
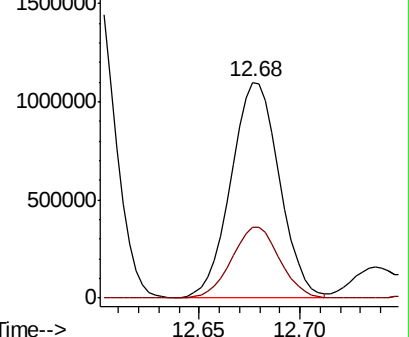
MMDadoda

10/16/2019 12:48:21 AM



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058697.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 100.223 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058698.D

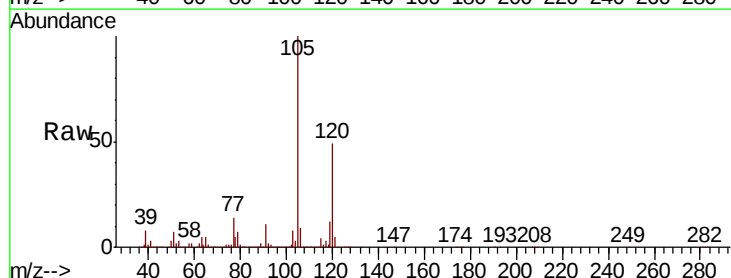
Acq: 11 Oct 2019 12:58

Tgt Ion:105 Resp: 2279589

Ion Ratio Lower Upper

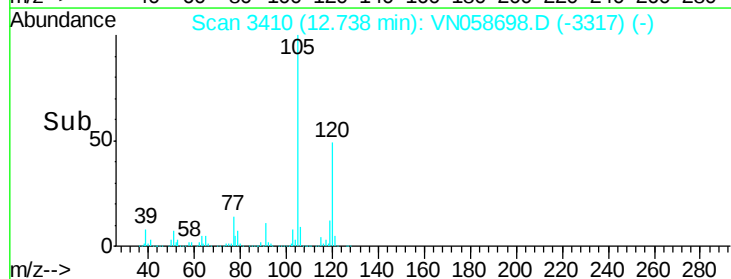
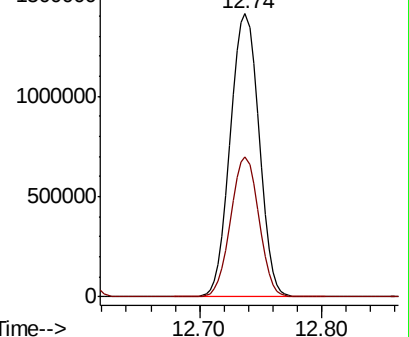
105 100

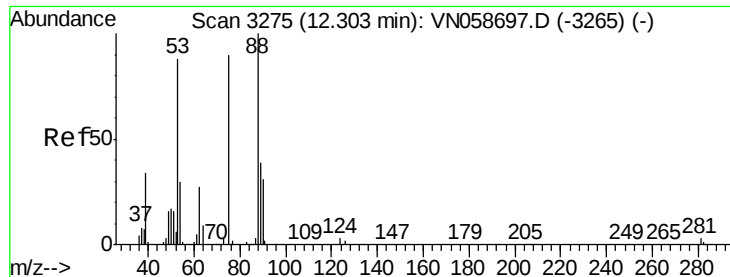
120 48.4 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058697.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN058697.D (-3395) (-)





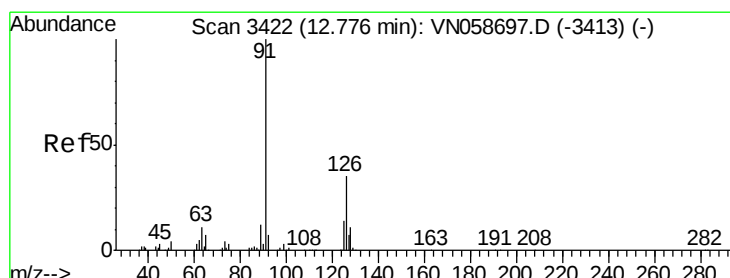
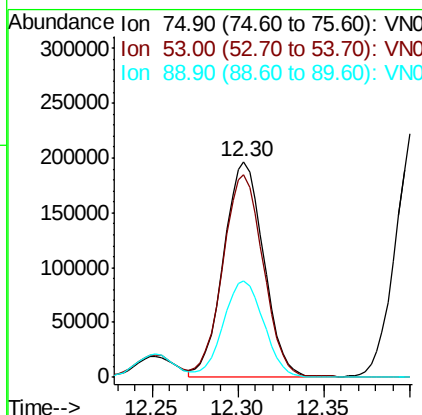
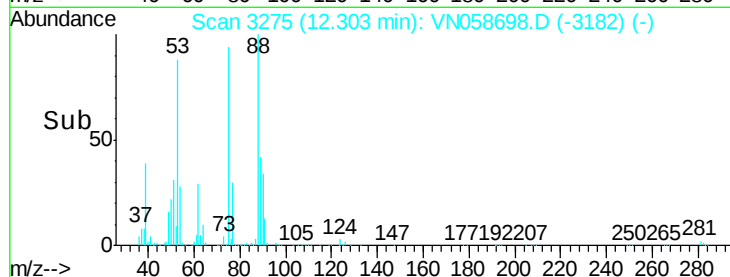
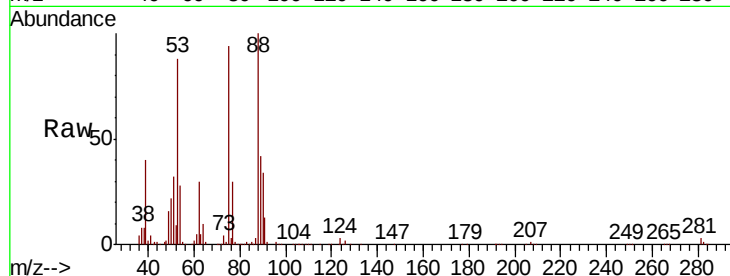
#81
trans-1,4-Dichloro-2-butene
Concen: 134.150 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.1	78.4	117.6
89	45.3	34.9	52.3

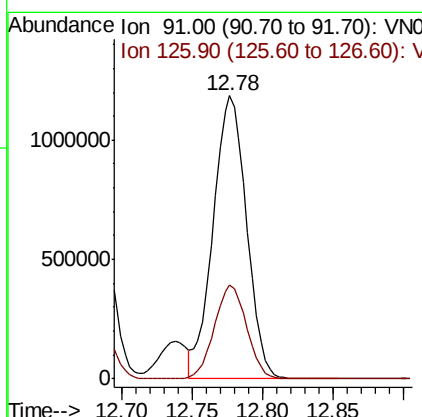
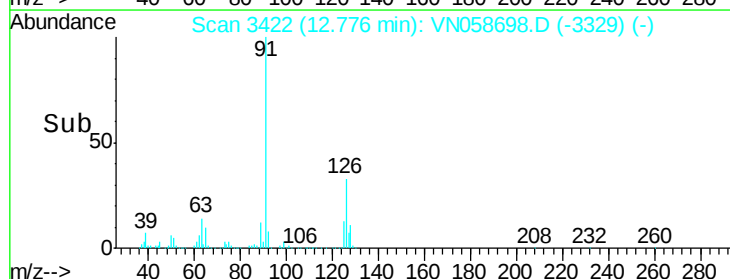
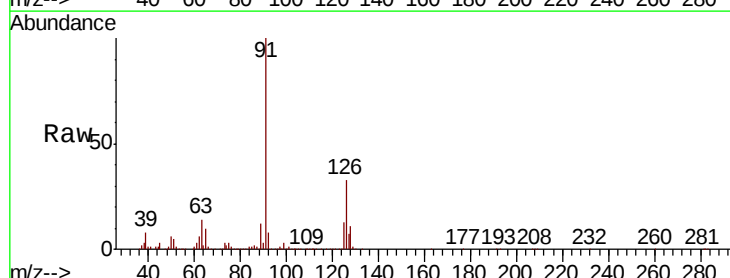
Manual Integrations
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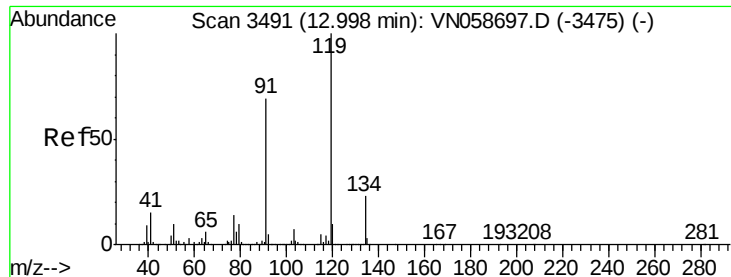
MMDadoda
10/16/2019 12:48:21 AM



#82
4-Chlorotoluene
Concen: 100.452 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.9	47.6





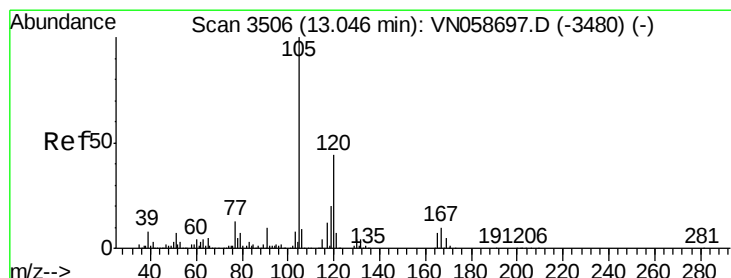
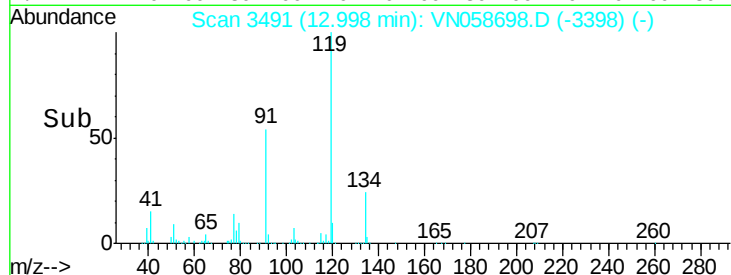
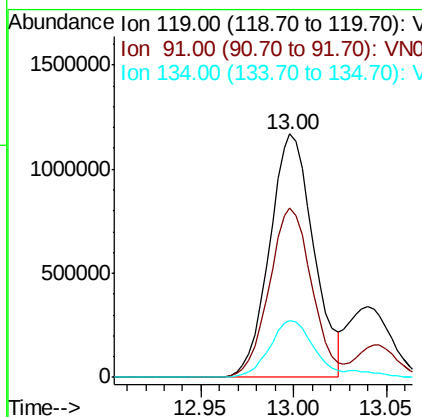
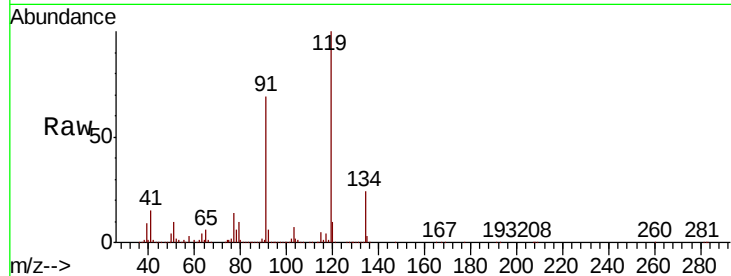
#83
tert-Butylbenzene
Concen: 101.027 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	33.8	101.3
134	25.2	12.6	37.6

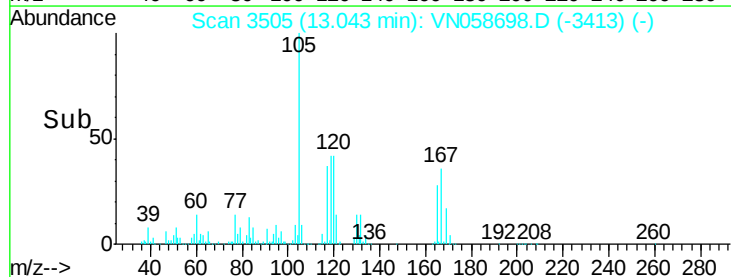
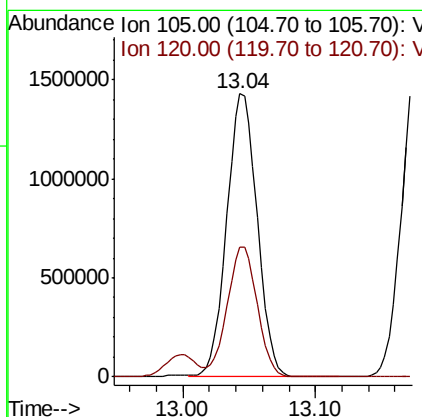
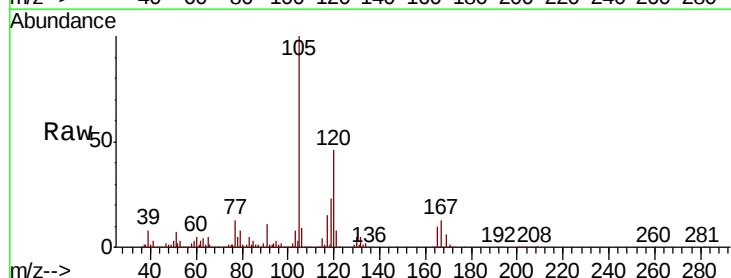
Manual Integrations
APPROVED

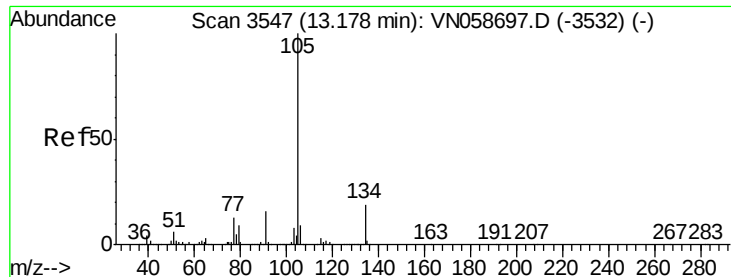
MMDadoda
10/16/2019 12:48:21 AM



#84
1,2,4-Trimethylbenzene
Concen: 99.842 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	21.9	65.7





#85

sec-Butylbenzene

Concen: 101.929 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2583649

Ion Ratio Lower Upper

105 100

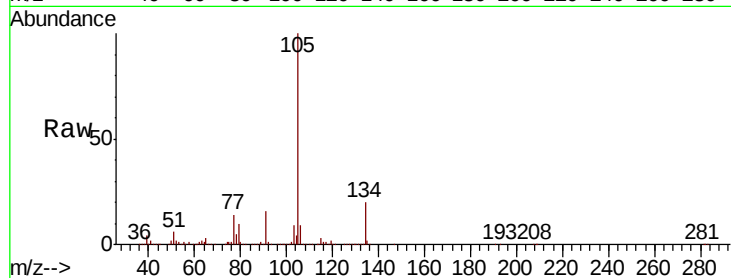
134 19.9 9.7 29.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

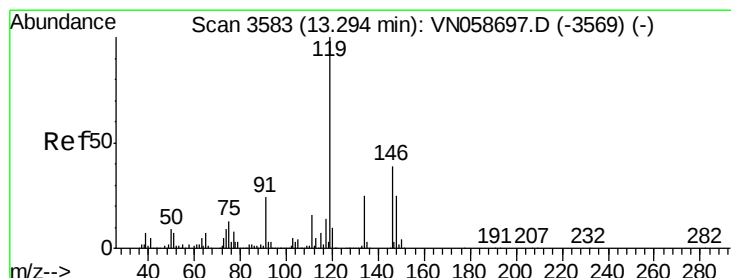
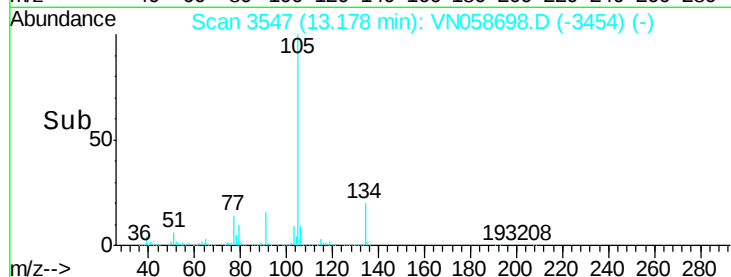
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 106.265 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

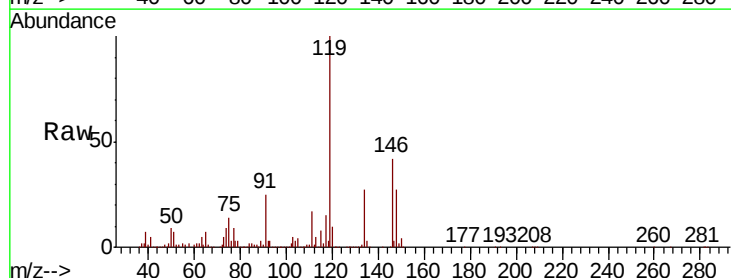
Tgt Ion:119 Resp: 2381614

Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

91 24.7 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

2000000

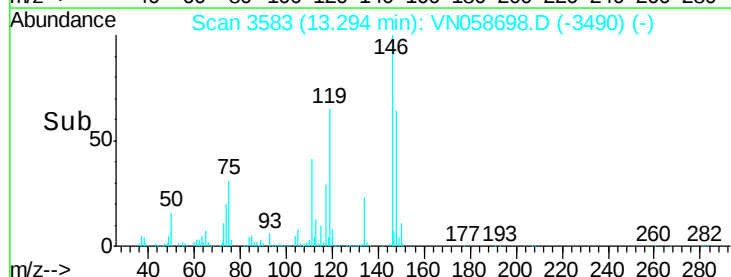
1500000

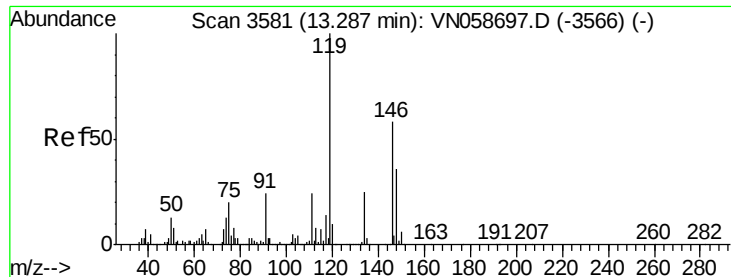
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 100.587 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

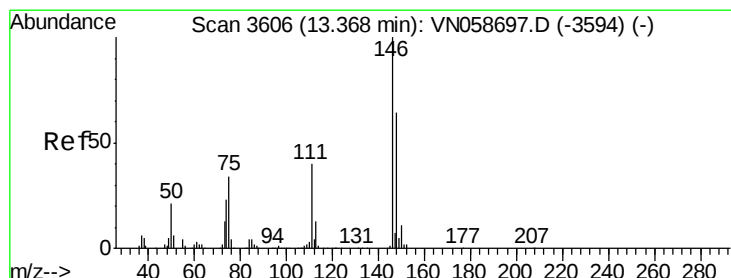
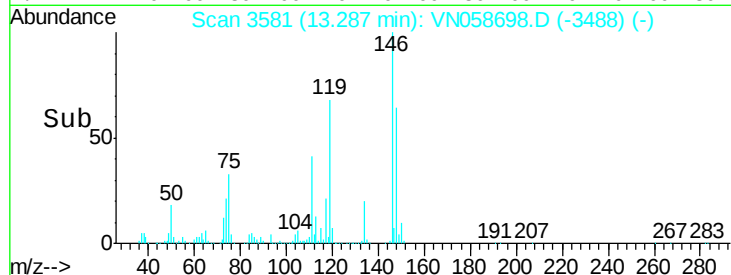
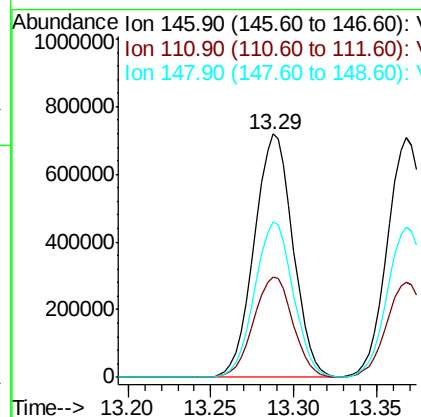
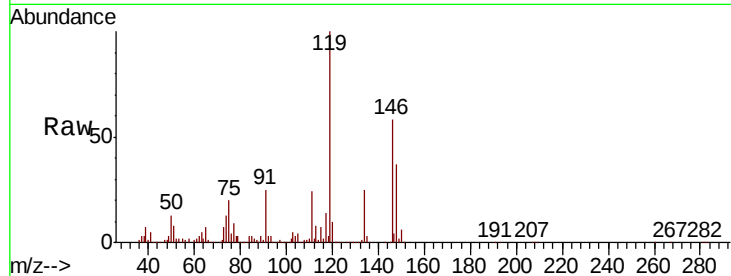
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	1166548
Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.5	61.6
148	63.7	31.3	93.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 101.366 ug/l

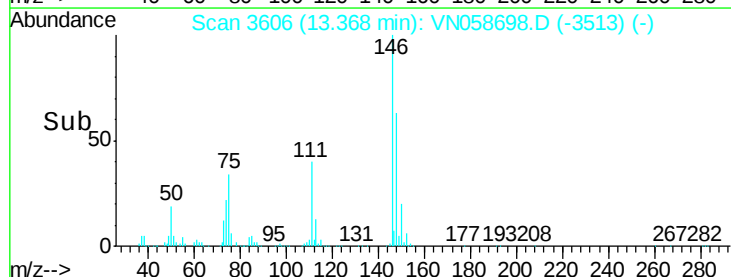
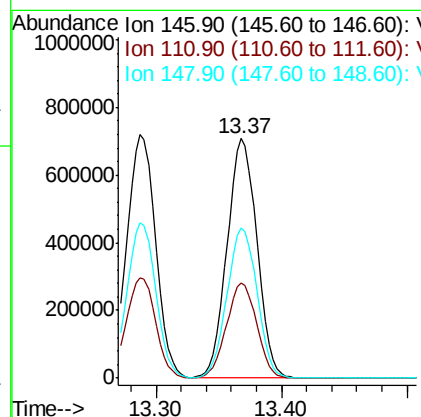
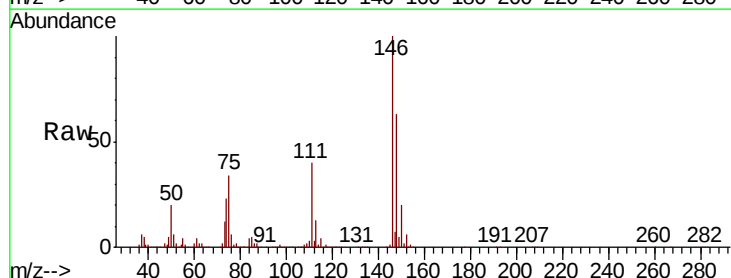
RT: 13.37 min Scan# 3606

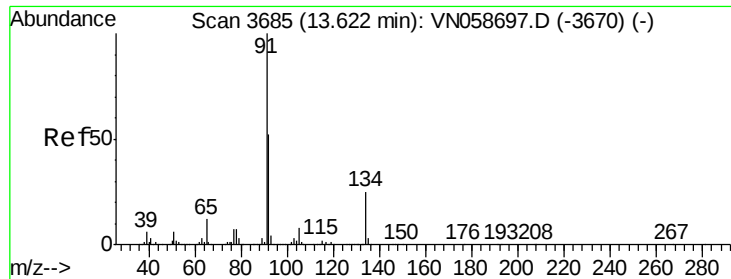
Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Tgt Ion:	146	Resp:	1167616
Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	63.1	31.9	95.7





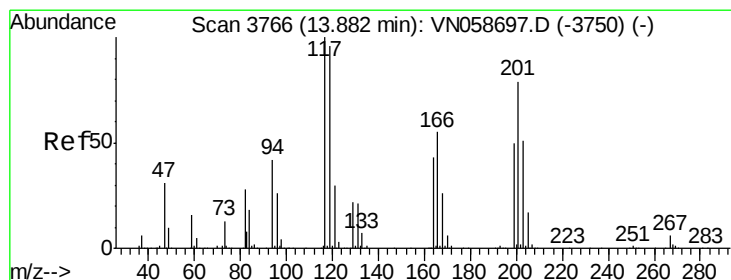
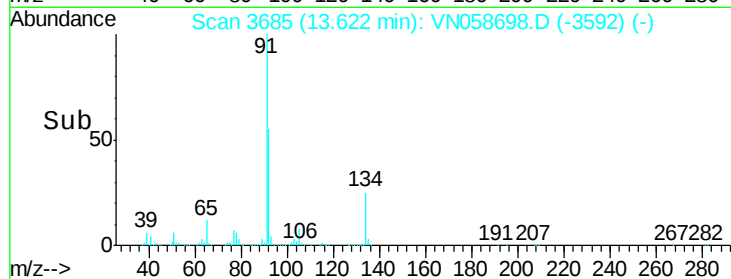
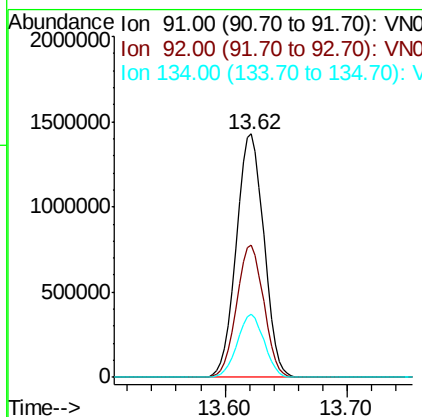
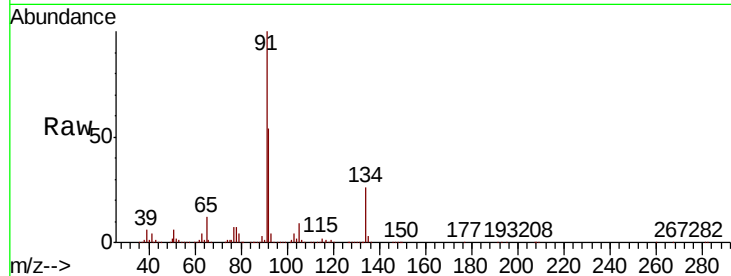
#89
n-Butylbenzene
Concen: 109.245 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.0	78.0
134	25.2	12.2	36.6

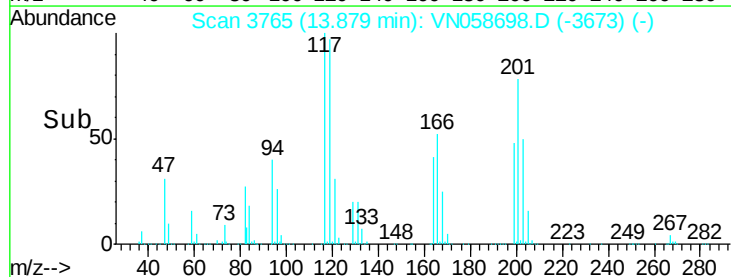
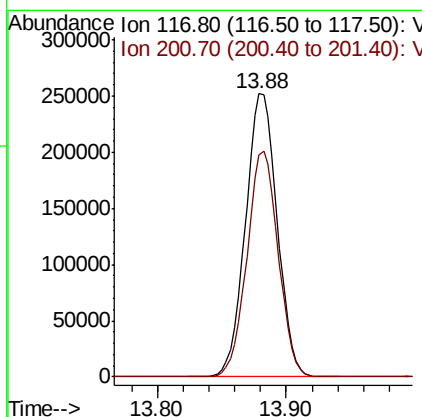
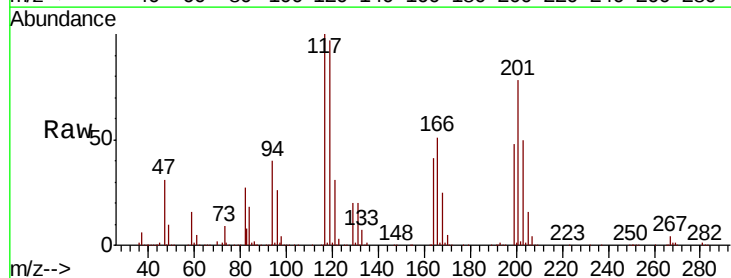
Manual Integrations
APPROVED

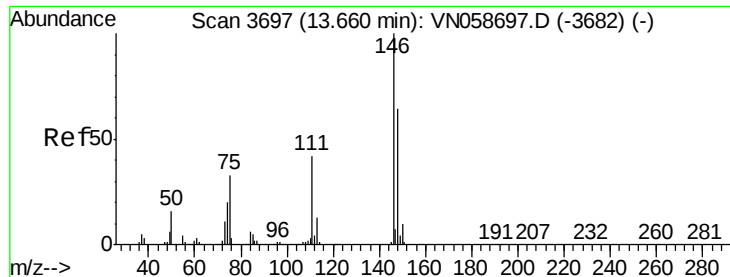
MMDadoda
10/16/2019 12:48:21 AM



#90
Hexachloroethane
Concen: 125.280 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.6	39.6	118.7





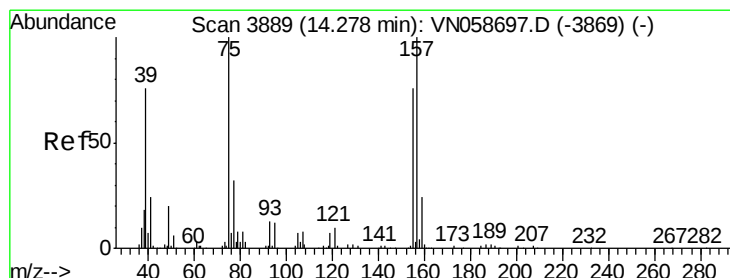
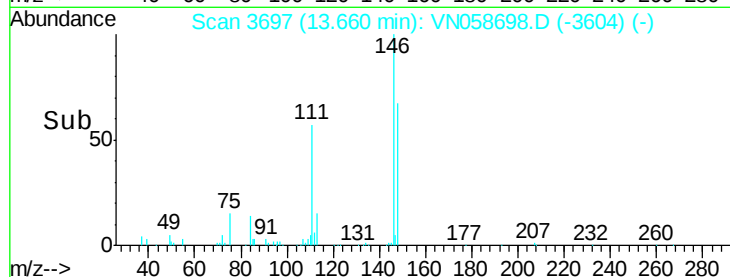
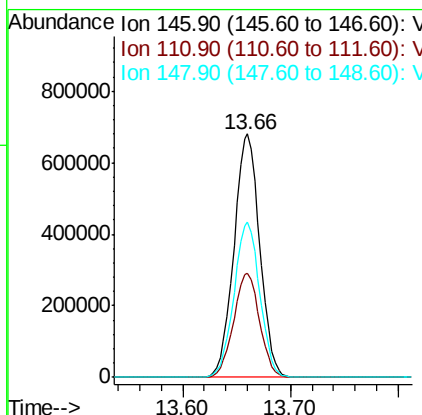
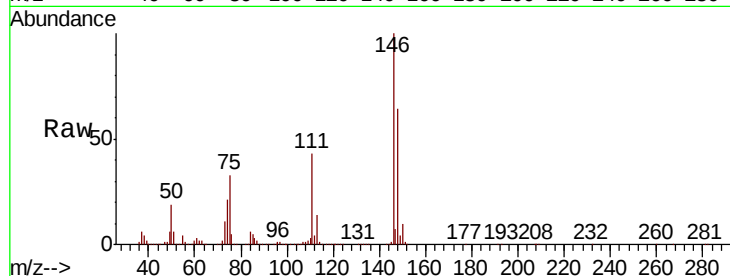
#91
 1,2-Dichlorobenzene
 Concen: 101.303 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.1	63.4
148	63.9	31.8	95.3

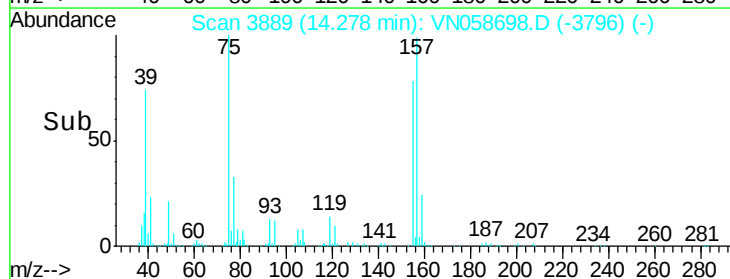
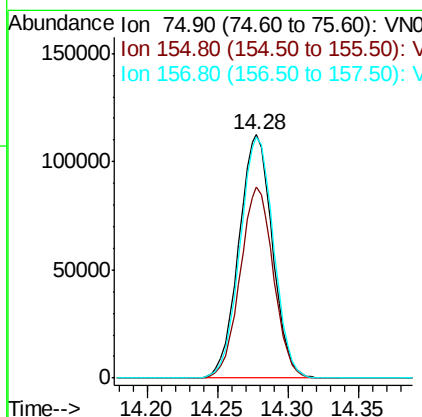
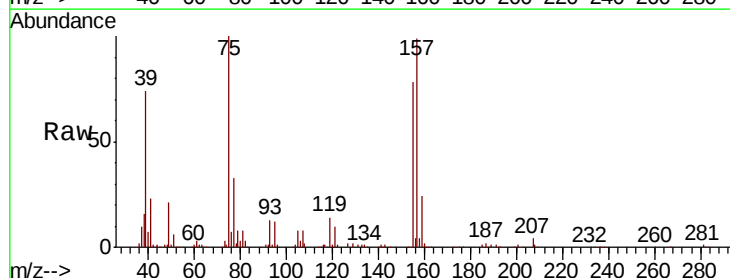
Manual Integrations
 APPROVED

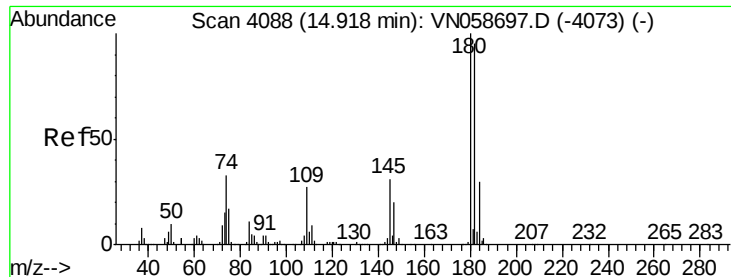
MMDadoda
 10/16/2019 12:48:21 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 125.657 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.0	37.9	113.6
157	99.6	49.4	148.2





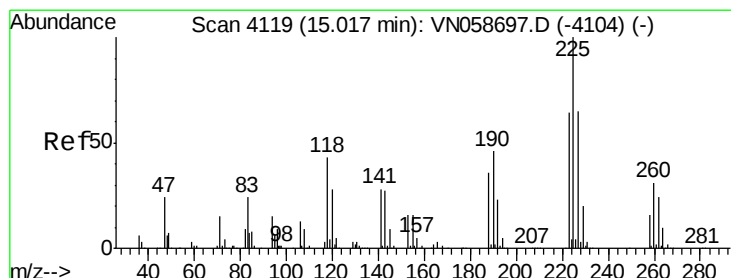
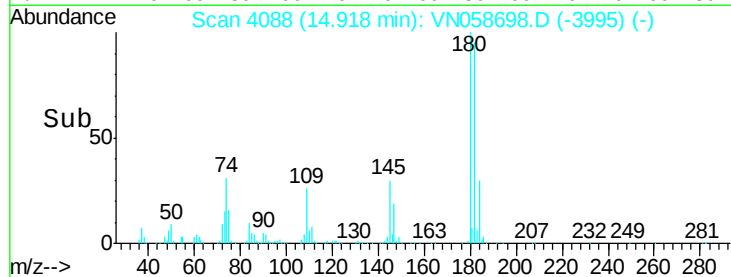
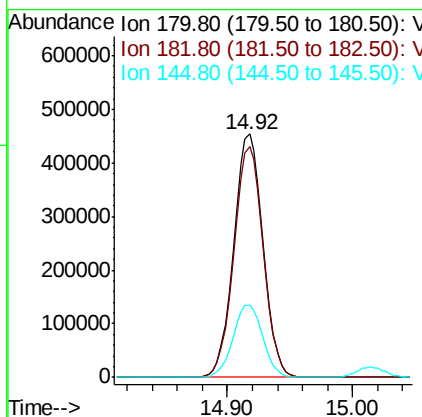
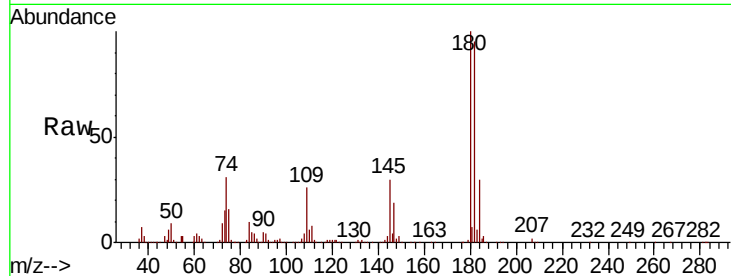
#93
 1,2,4-Trichlorobenzene
 Concen: 117.684 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	732564		
182	95.0	47.4	142.2	
145	30.3	15.4	46.2	

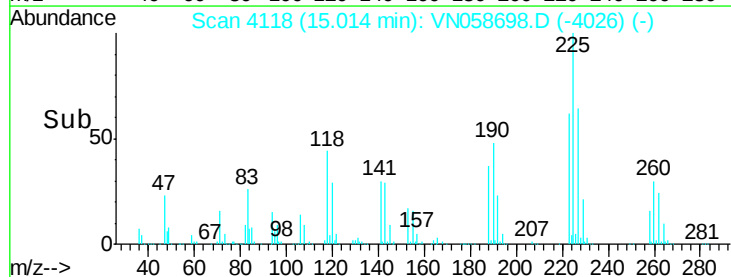
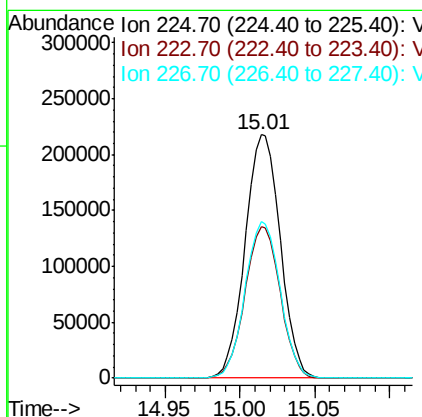
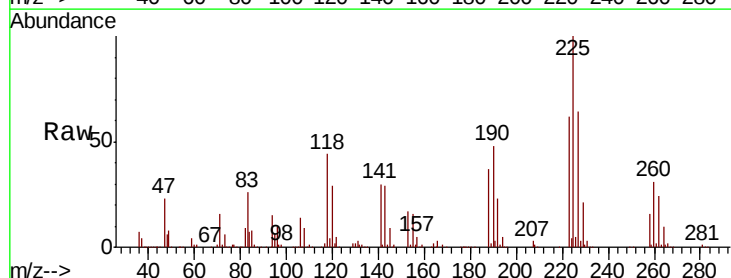
Manual Integrations
 APPROVED

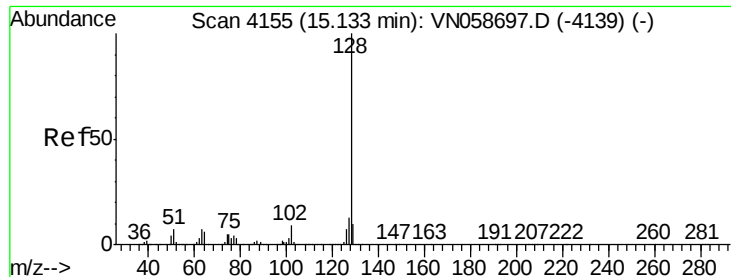
MMDadoda
 10/16/2019 12:48:21 AM



#94
 Hexachlorobutadiene
 Concen: 110.029 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	356771		
223	62.3	32.3	96.8	
227	64.0	32.4	97.0	





#95

Naphthalene

Concen: 132.709 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 2187569

Ion Ratio Lower Upper

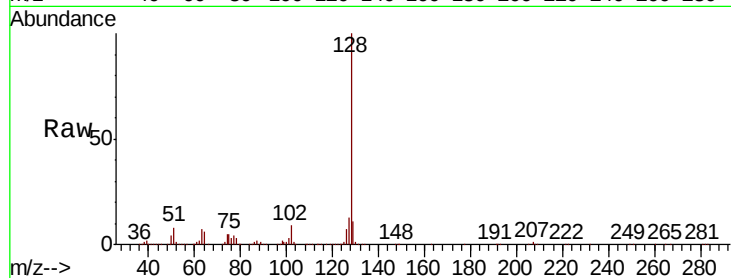
128 100

127 12.7 10.2 15.4

129 10.8 8.5 12.7

Manual Integrations
APPROVED

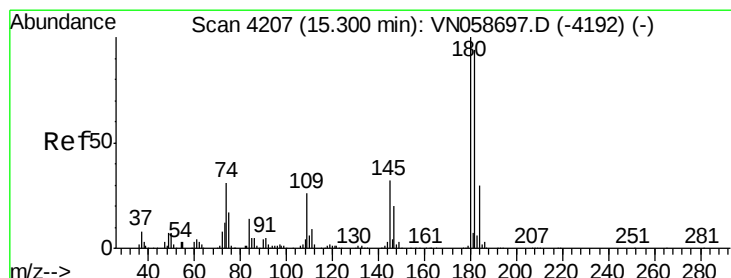
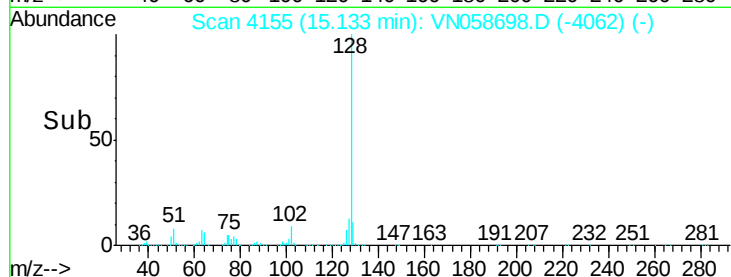
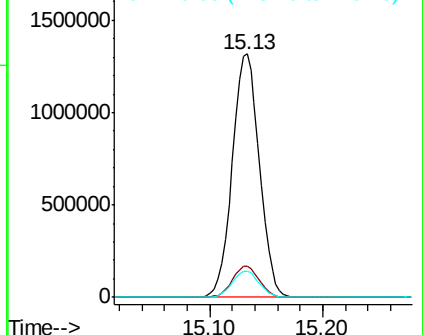
MMDadoda
10/16/2019 12:48:21 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 123.296 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

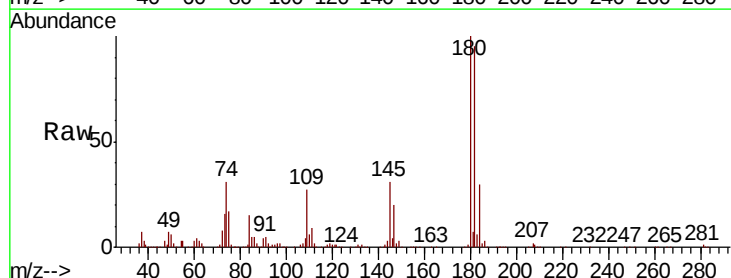
Tgt Ion:180 Resp: 702178

Ion Ratio Lower Upper

180 100

182 95.7 47.3 142.0

145 32.1 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

