

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058699.D
 Acq On : 11 Oct 2019 13:20
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:22 AM

Quant Time: Oct 11 23:49:27 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	463062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	753648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	713129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	372198	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	935152	139.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.28%	
35) Dibromofluoromethane	7.57	113	686922	149.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.04%	
50) Toluene-d8	10.08	98	2695534	148.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.64%	
62) 4-Bromofluorobenzene	12.40	95	1093648	165.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	330.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	867502	167.129	ug/l	99
3) Chloromethane	2.04	50	977878	169.086	ug/l	100
4) Vinyl Chloride	2.17	62	1038838	182.743	ug/l	99
5) Bromomethane	2.52	94	614221m	196.669	ug/l	
6) Chloroethane	2.67	64	616966	180.704	ug/l	99
7) Trichlorofluoromethane	2.99	101	1200279	176.920	ug/l	99
8) Diethyl Ether	3.39	74	444549	155.651	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	669452	149.769	ug/l	98
10) Methyl Iodide	3.93	142	1005166	193.332	ug/l	100
11) Tert butyl alcohol	4.76	59	817370	1018.278	ug/l	99
12) 1,1-Dichloroethene	3.71	96	657684	150.934	ug/l	95
13) Acrolein	3.58	56	663503	1840.654	ug/l	100
14) Allyl chloride	4.30	41	1341795	166.409	ug/l	98
15) Acrylonitrile	4.96	53	2092420	923.538	ug/l	100
16) Acetone	3.79	43	1912011	808.703	ug/l	100
17) Carbon Disulfide	4.03	76	2108962	178.543	ug/l	100
18) Methyl Acetate	4.30	43	1022413	170.698	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	2444365	157.878	ug/l	97
20) Methylene Chloride	4.53	84	778539	145.688	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	731885	150.489	ug/l	99
22) Diisopropyl ether	5.93	45	2693057	156.779	ug/l	96
23) Vinyl Acetate	5.87	43	9732324	745.146	ug/l #	87
24) 1,1-Dichloroethane	5.82	63	1465369	151.866	ug/l	99
25) 2-Butanone	6.81	43	2997190	915.703	ug/l	100
26) 2,2-Dichloropropane	6.80	77	1278298	159.573	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	844847	149.367	ug/l	99
28) Bromochloromethane	7.18	49	505439	134.530	ug/l	99
29) Tetrahydrofuran	7.19	42	1961567	939.698	ug/l	100
30) Chloroform	7.35	83	1431921	147.090	ug/l	99
31) Cyclohexane	7.63	56	1389774	148.486	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	1275139	158.289	ug/l	99
36) 1,1-Dichloropropene	7.77	75	1139342	157.181	ug/l	100
37) Ethyl Acetate	6.91	43	1212179	190.534	ug/l	98
38) Carbon Tetrachloride	7.75	117	1126422	169.902	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1374453	161.925	ug/l	100
40) Benzene	8.02	78	3210751	154.185	ug/l	99
41) Methacrylonitrile	7.16	41	572127m	191.789	ug/l	
42) 1,2-Dichloroethane	8.11	62	1208921	149.287	ug/l	100
43) Isopropyl Acetate	8.15	43	2037558	172.929	ug/l	99
44) Trichloroethene	8.82	130	802777	156.351	ug/l	98
45) 1,2-Dichloropropane	9.11	63	876979	156.871	ug/l	100
46) Dibromomethane	9.20	93	556428	156.824	ug/l	99
47) Bromodichloromethane	9.39	83	1161048	171.352	ug/l	100
48) Methyl methacrylate	9.19	41	963759	180.022	ug/l	98
49) 1,4-Dioxane	9.19	88	305084	4189.244	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	5053742	818.960	ug/l #	85
52) Toluene	10.15	92	2046752	155.869	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	1389212	187.807	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	1450895	177.765	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	790039	164.694	ug/l	99
56) Ethyl methacrylate	10.43	69	1377782	187.944	ug/l	97
57) 1,3-Dichloropropane	10.71	76	1403162	163.890	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	3101169	1022.306	ug/l	98
59) 2-Hexanone	10.75	43	4161264	915.805	ug/l	87
60) Dibromochloromethane	10.90	129	900064	194.294	ug/l	100
61) 1,2-Dibromoethane	11.00	107	845754	171.848	ug/l	99
64) Tetrachloroethene	10.63	164	698993	152.379	ug/l	96
65) Chlorobenzene	11.43	112	2143902	151.113	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	803818	166.436	ug/l	100
67) Ethyl Benzene	11.51	91	3666516	142.456	ug/l #	87
68) m/p-Xylenes	11.62	106	2969927	306.667	ug/l	79
69) o-Xylene	11.95	106	1458859	156.929	ug/l	91
70) Styrene	11.97	104	2473868	163.794	ug/l	99
71) Bromoform	12.13	173	665299	215.386	ug/l #	99
73) Isopropylbenzene	12.25	105	3616243	132.124	ug/l	95
74) N-amyl acetate	12.07	43	1930948	173.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1280988	155.418	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	1157613m	167.053	ug/l	
77) Bromobenzene	12.53	156	943162	146.490	ug/l	99
78) n-propylbenzene	12.59	91	4109404	132.713	ug/l	92
79) 2-Chlorotoluene	12.68	91	2713798	142.120	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	3226622	140.406	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.30	75	492735	207.447	ug/l	97
82) 4-Chlorotoluene	12.78	91	2860128	146.412	ug/l	98
83) tert-Butylbenzene	13.00	119	2837934	146.338	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3238902	140.680	ug/l	94
85) sec-Butylbenzene	13.18	105	3638736	142.083	ug/l	96
86) p-Isopropyltoluene	13.29	119	3355690	148.193	ug/l	94
87) 1,3-Dichlorobenzene	13.29	146	1781640	152.050	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1772439	152.297	ug/l	100
89) n-Butylbenzene	13.62	91	3206884	155.403	ug/l	94
90) Hexachloroethane	13.88	117	659304	189.477	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1712059	151.817	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	293430	195.536	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	1141880	181.561	ug/l	100
94) Hexachlorobutadiene	15.02	225	541906	165.412	ug/l	99
95) Naphthalene	15.13	128	3216514	193.131	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	1097639	190.760	ug/l	99

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

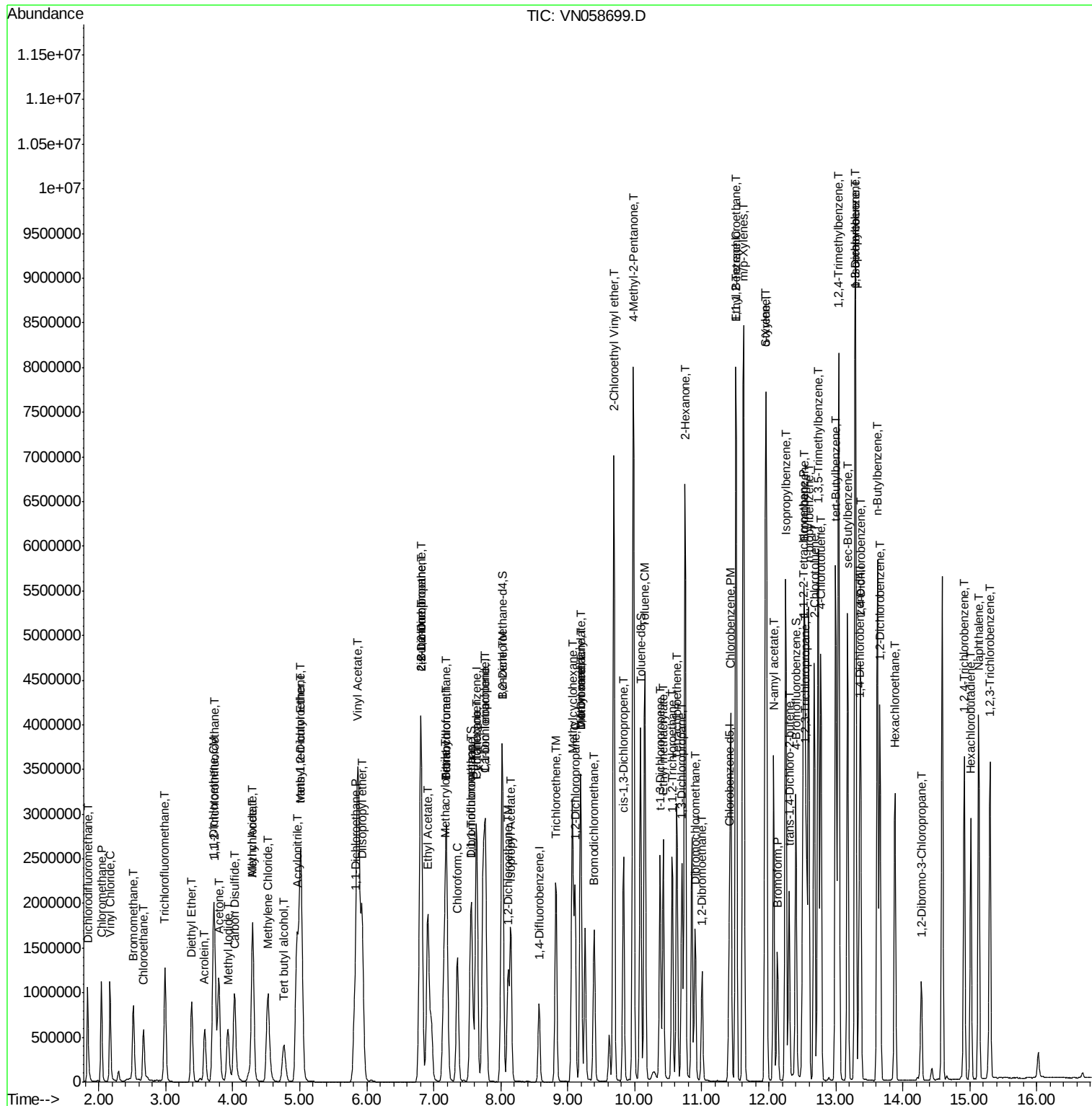
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101319\
Data File : VN058699.D
Acq On : 11 Oct 2019 13:20
Operator : JC/SP
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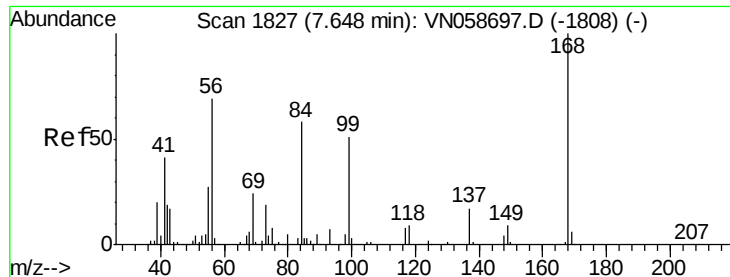
Instrument :
MSVOA_N
ClientSampleID :
VSTDIC150

Manual Integrations
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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: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 463062

Ion Ratio Lower Upper

168 100

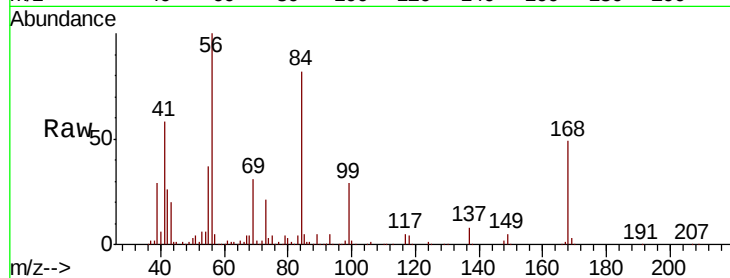
99 58.7 47.5 71.3

Manual Integrations

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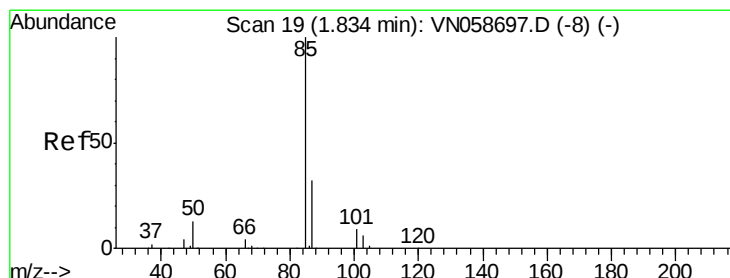
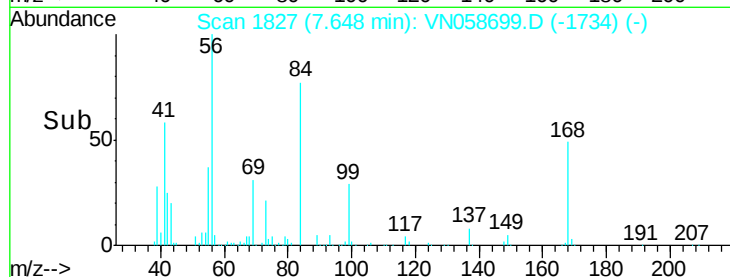
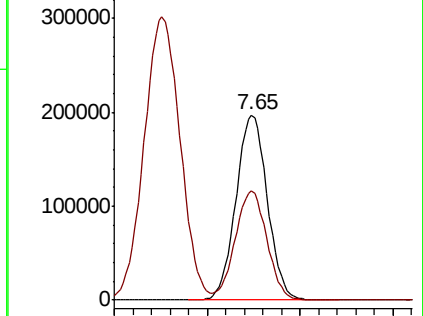
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 167.129 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058699.D

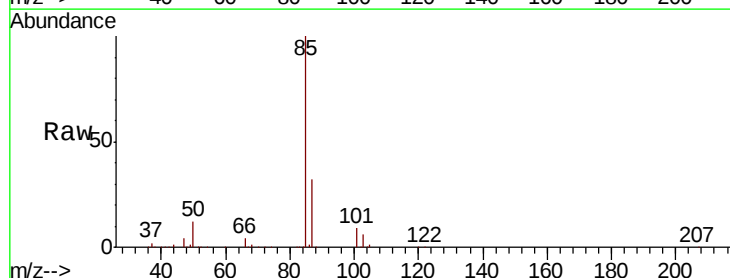
Acq: 11 Oct 2019 13:20

Tgt Ion: 85 Resp: 867502

Ion Ratio Lower Upper

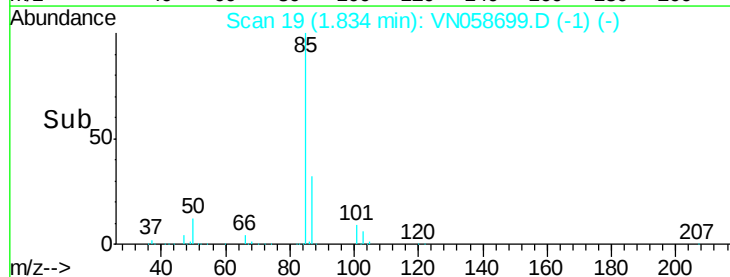
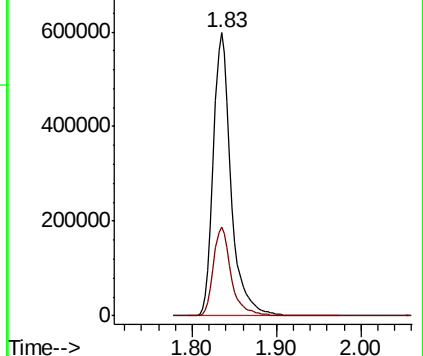
85 100

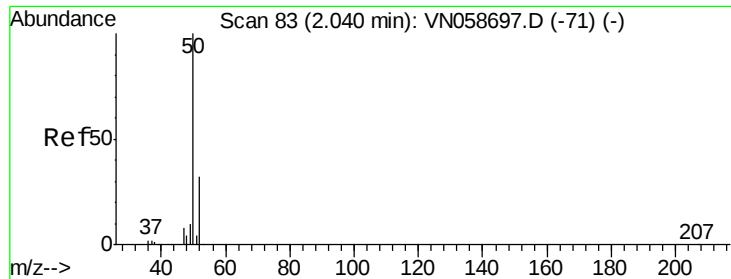
87 31.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 169.086 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 977878

Ion Ratio Lower Upper

50 100

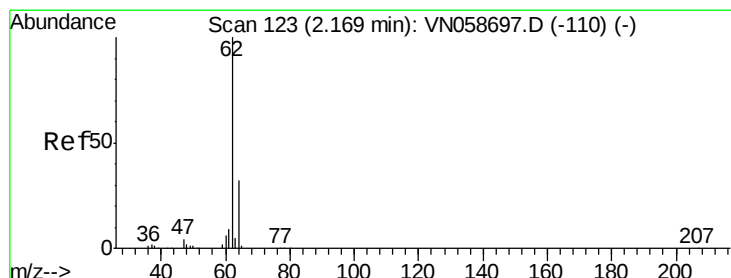
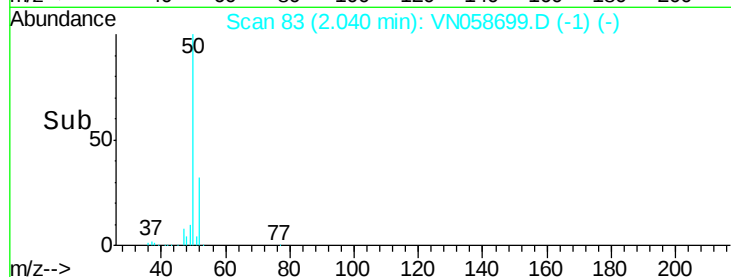
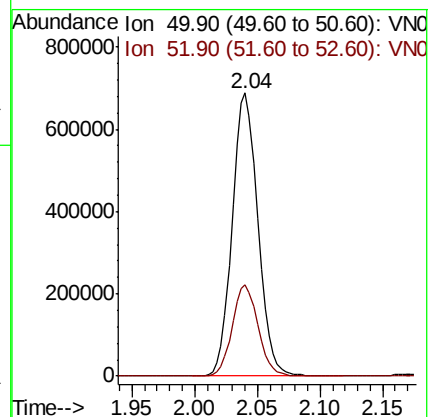
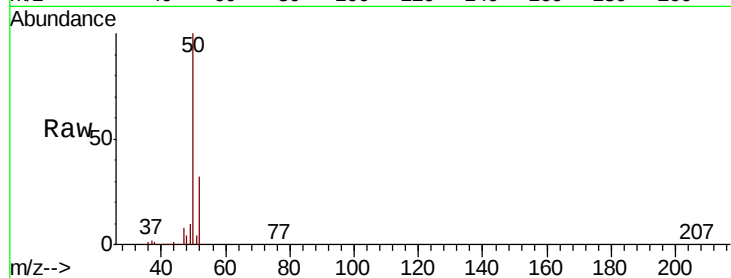
52 32.2 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 182.743 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058699.D

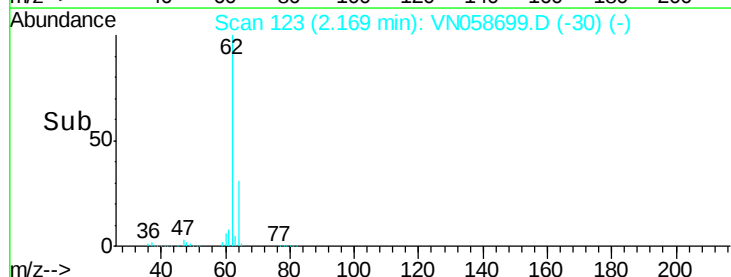
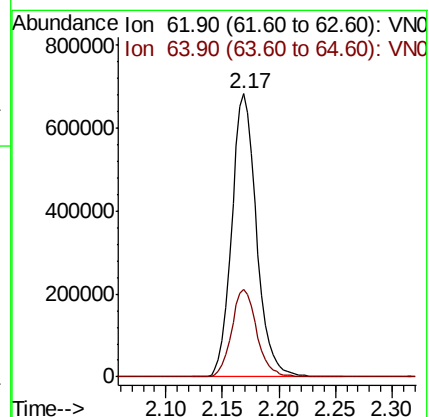
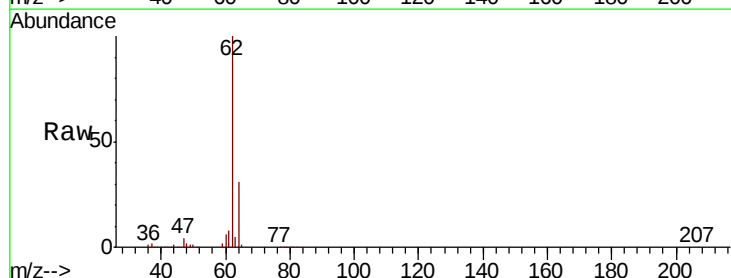
Acq: 11 Oct 2019 13:20

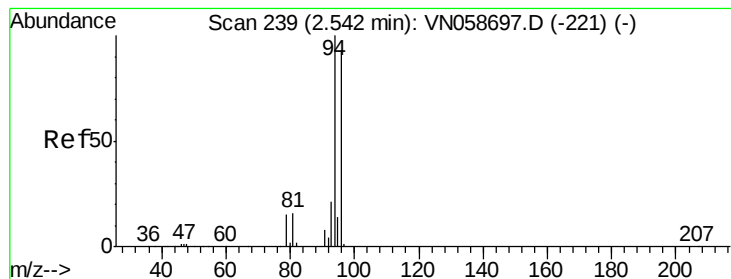
Tgt Ion: 62 Resp: 1038838

Ion Ratio Lower Upper

62 100

64 31.0 25.3 37.9





#5

Bromomethane

Concen: 196.669 ug/l m

RT: 2.52 min Scan# 231

Delta R.T. -0.03 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

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ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 614221

Ion Ratio Lower Upper

94 100

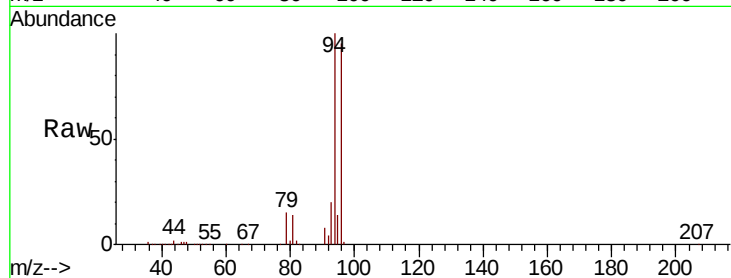
96 95.1 74.5 111.7

Manual Integrations

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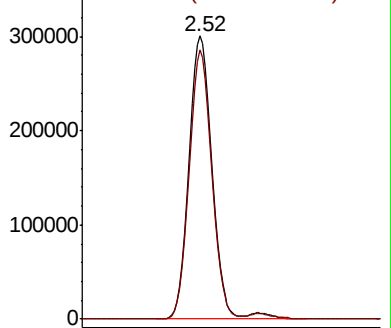
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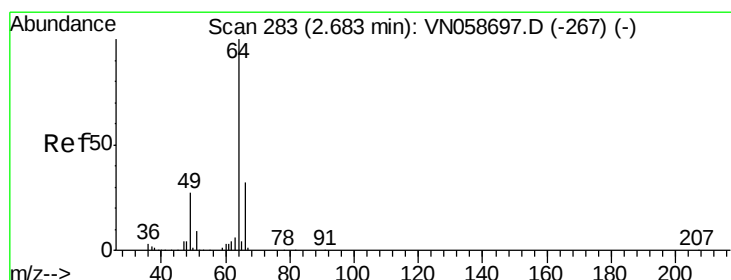
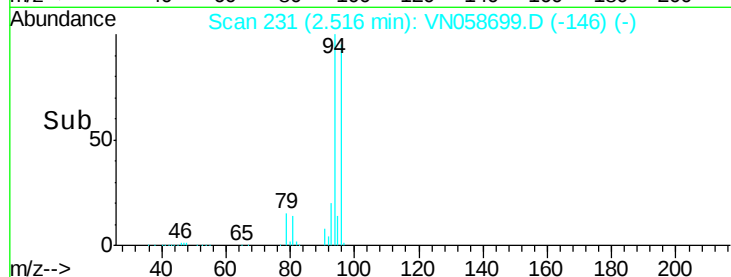


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 180.704 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.02 min

Lab File: VN058699.D

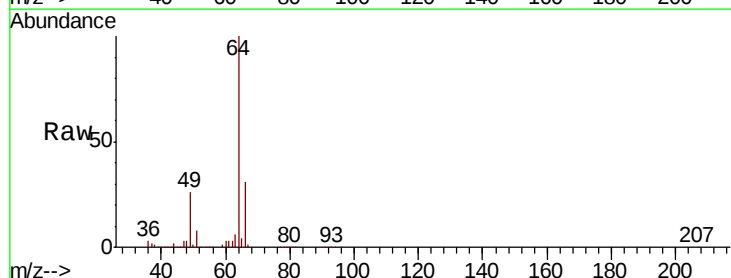
Acq: 11 Oct 2019 13:20

Tgt Ion: 64 Resp: 616966

Ion Ratio Lower Upper

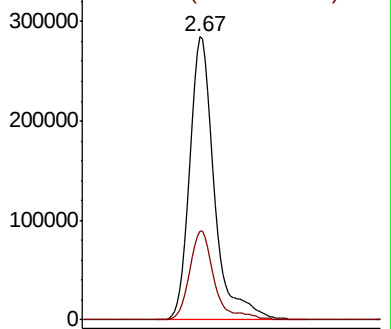
64 100

66 31.5 25.4 38.2

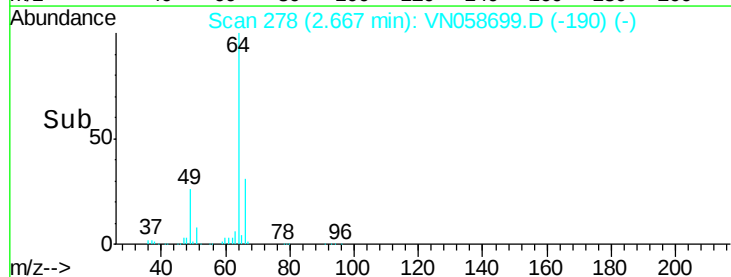


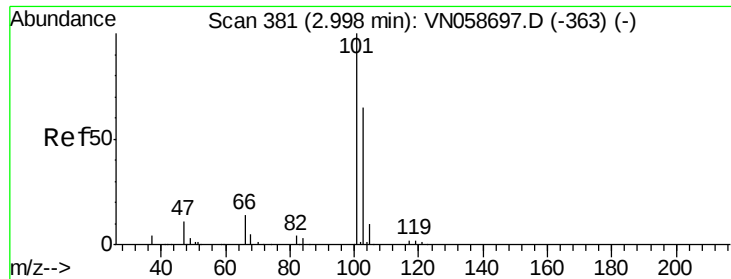
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

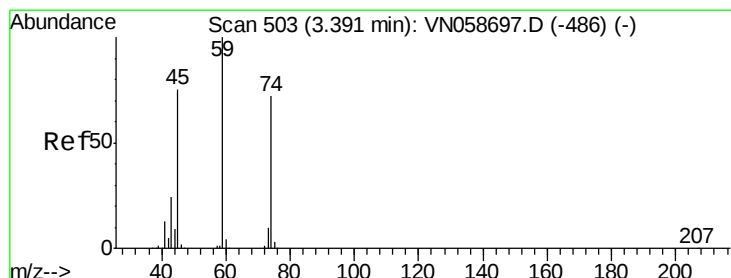
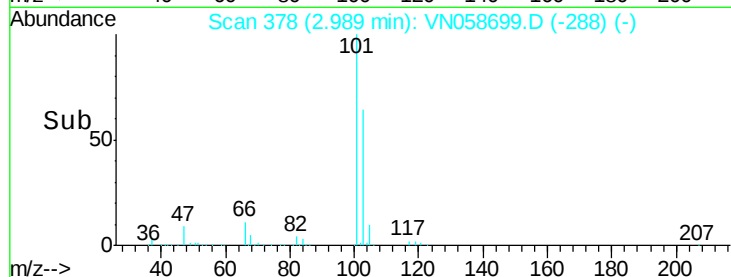
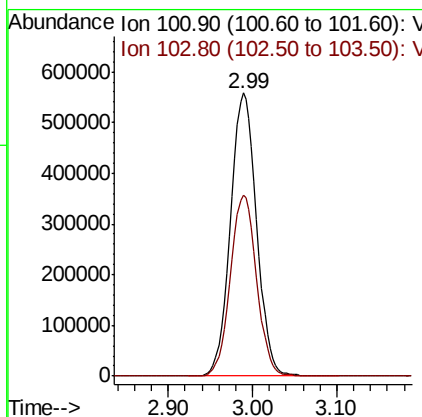
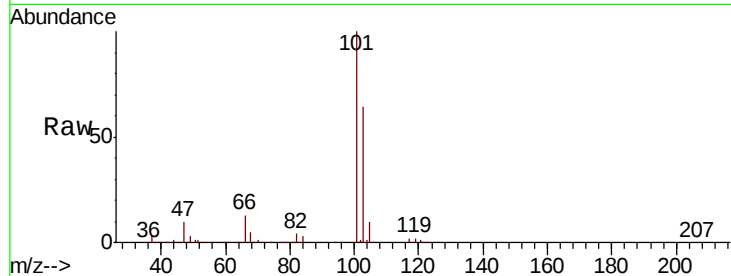
Trichlorofluoromethane
 Concen: 176.920 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. -0.01 min
 Lab File: VN058699.D
 Acq: 11 Oct 2019 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 1200279
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.8 77.6

Manual Integrations
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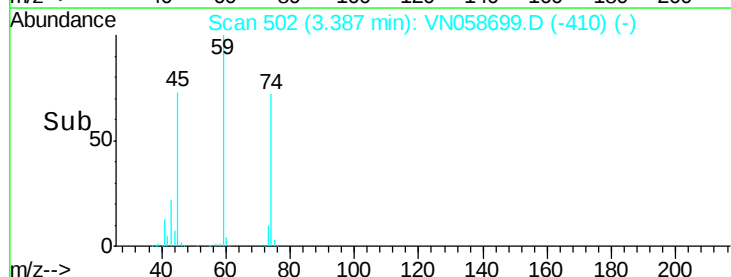
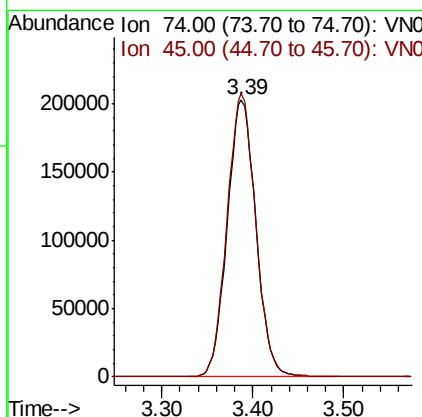
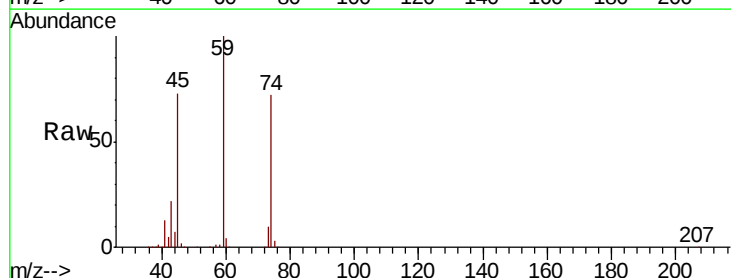
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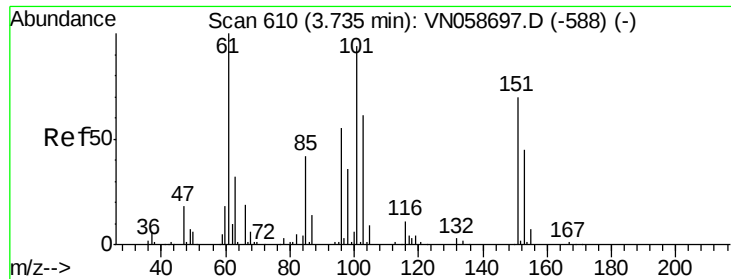


#8

Diethyl Ether
 Concen: 155.651 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058699.D
 Acq: 11 Oct 2019 13:20

Tgt Ion: 74 Resp: 444549
 Ion Ratio Lower Upper
 74 100
 45 101.4 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 149.769 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

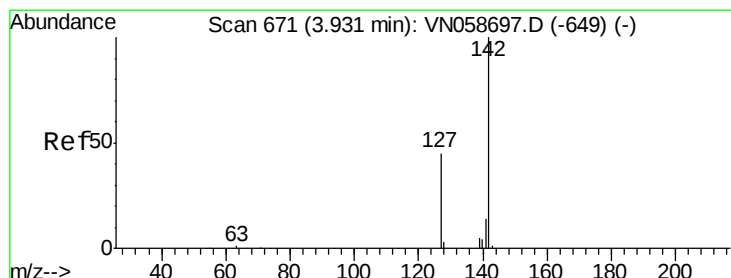
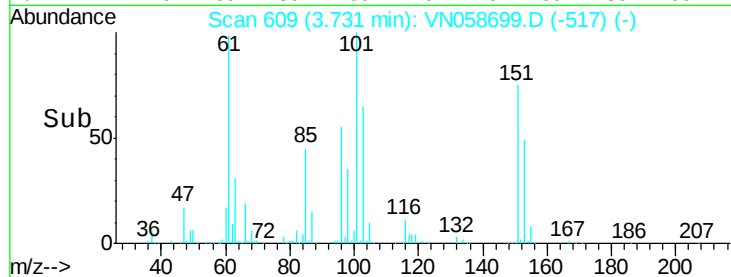
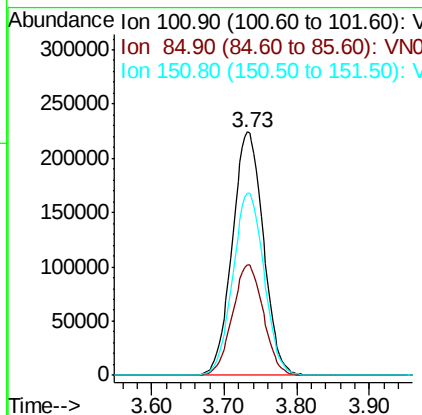
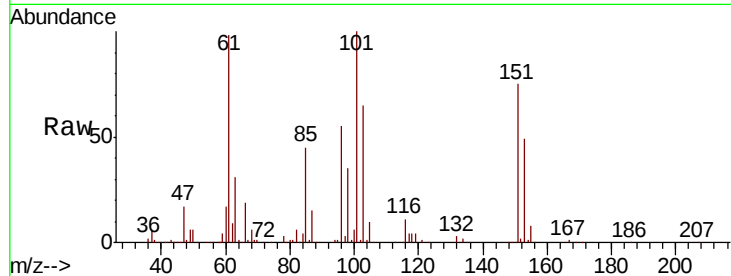
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	669452
Ion Ratio	Lower	Upper	
101	100		
85	45.3	37.0	55.6
151	75.2	61.8	92.6

Manual Integrations
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#10

Methyl Iodide

Concen: 193.332 ug/l

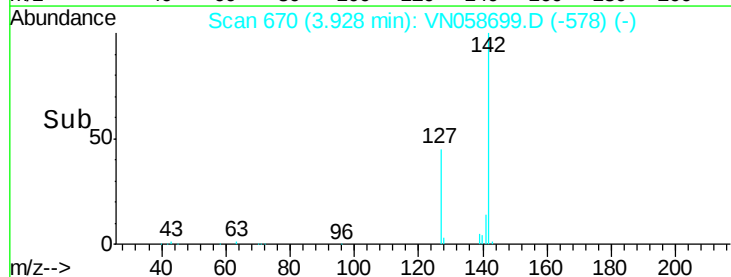
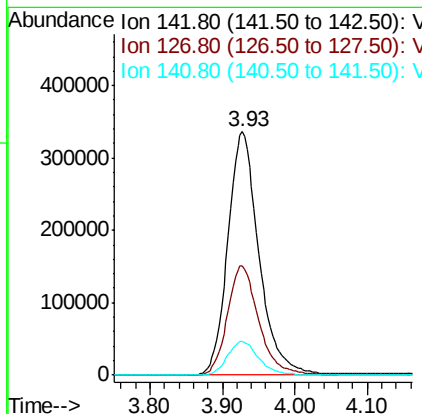
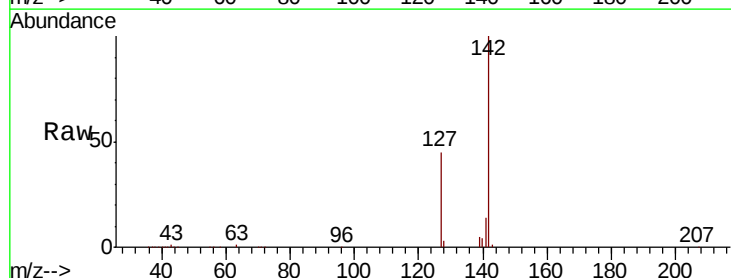
RT: 3.93 min Scan# 670

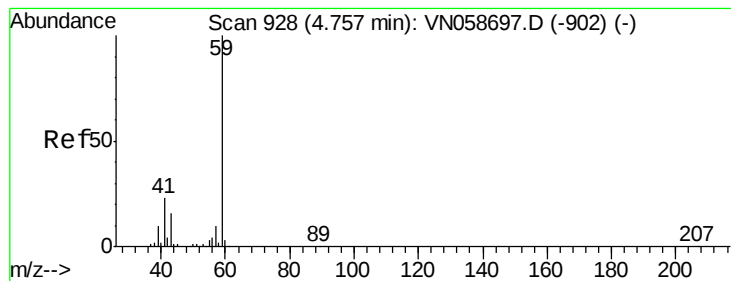
Delta R.T. -0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Tgt Ion:	142	Resp:	1005166
Ion Ratio	Lower	Upper	
142	100		
127	45.4	36.4	54.6
141	14.0	11.1	16.7





#11

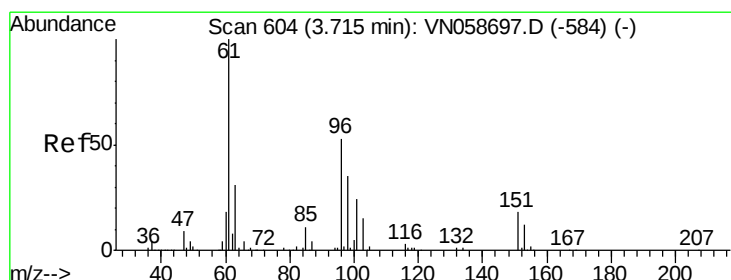
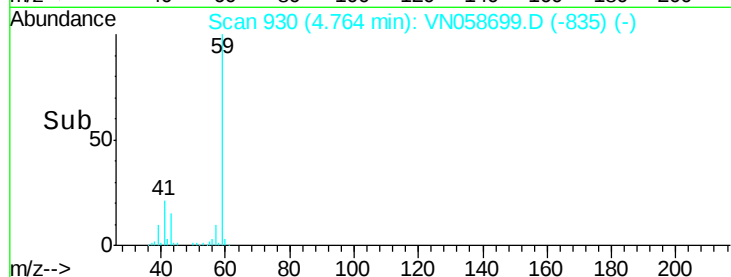
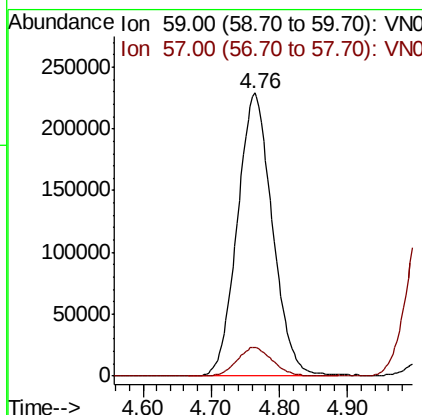
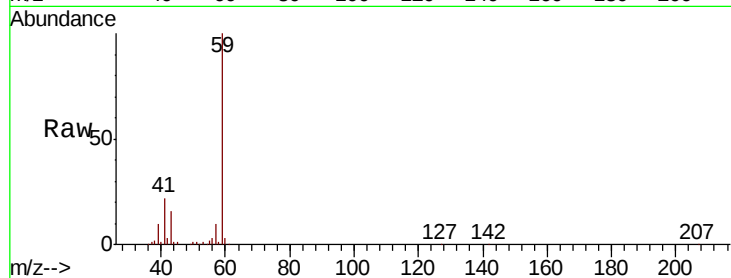
Tert butyl alcohol
Concen: 1018.278 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.01 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	817370		
57	57	10.3		8.4	12.6

Manual Integrations
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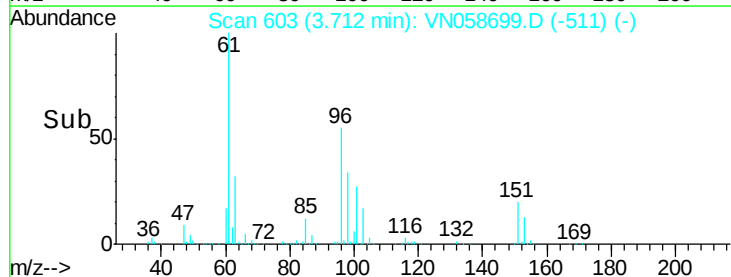
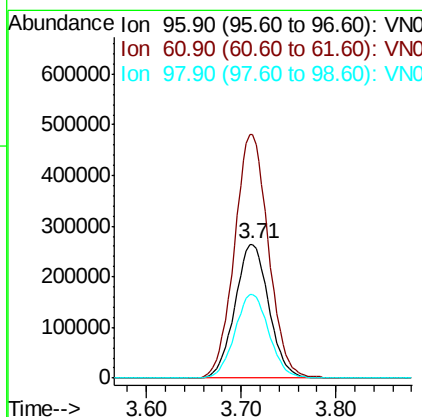
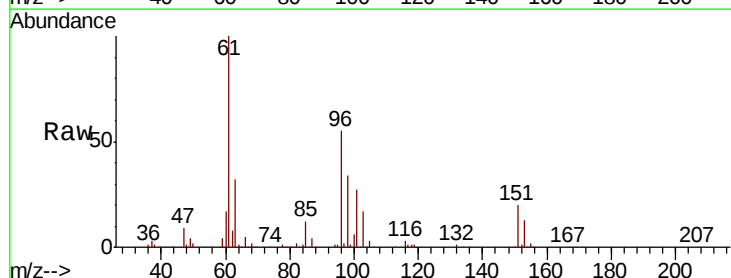
MMDadoda
10/16/2019 12:48:22 AM

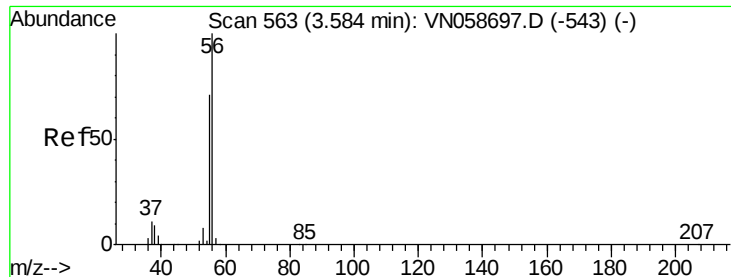


#12

1,1-Dichloroethene
Concen: 150.934 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	657684		
61	61	181.7		151.3	226.9
98	98	62.7		52.6	78.8





#13

Acrolein

Concen: 1840.654 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 663503

Ion Ratio Lower Upper

56 100

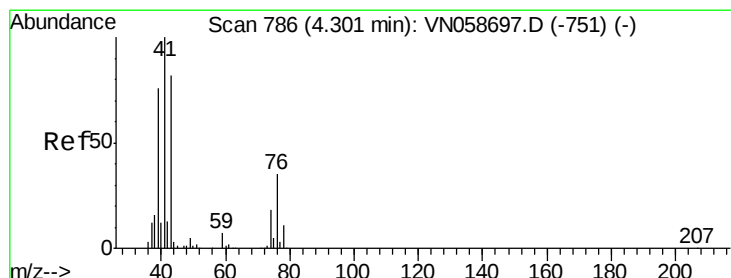
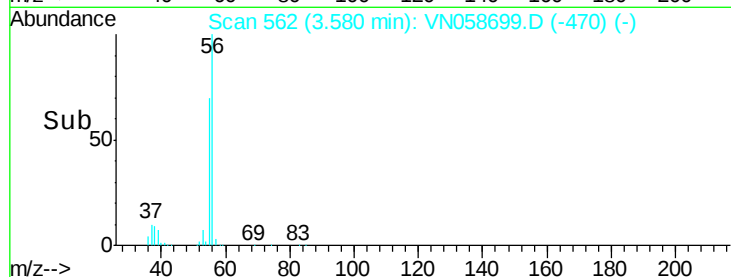
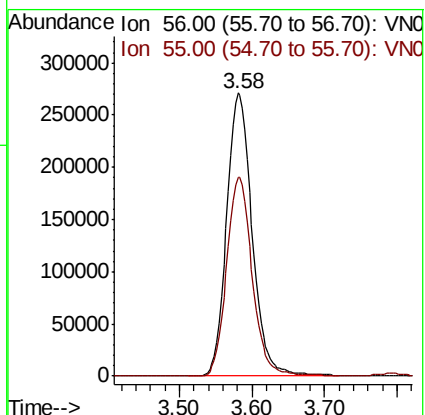
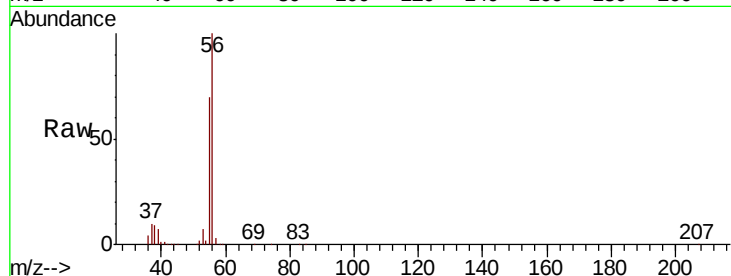
55 70.5 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 166.409 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

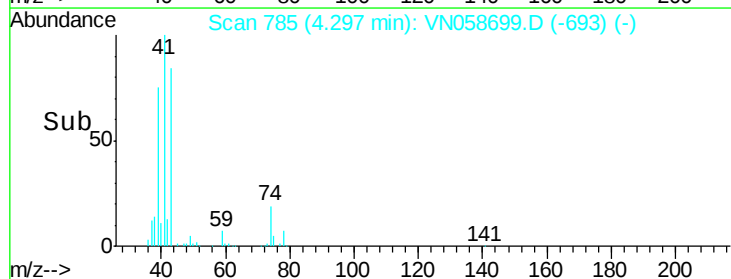
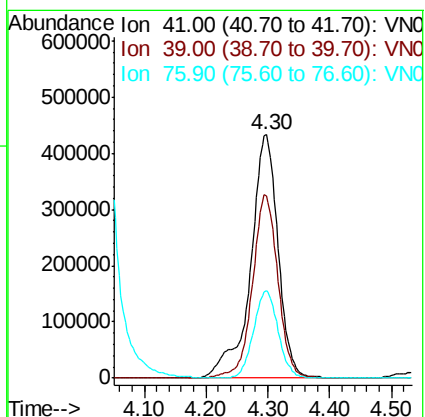
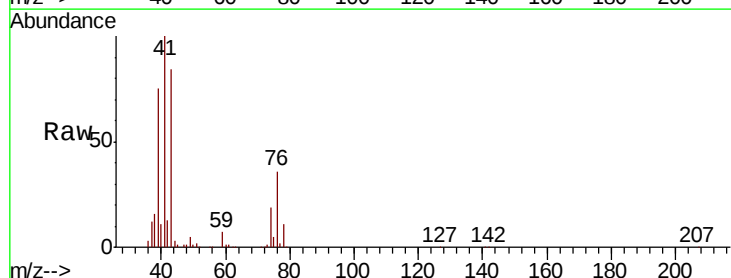
Tgt Ion: 41 Resp: 1341795

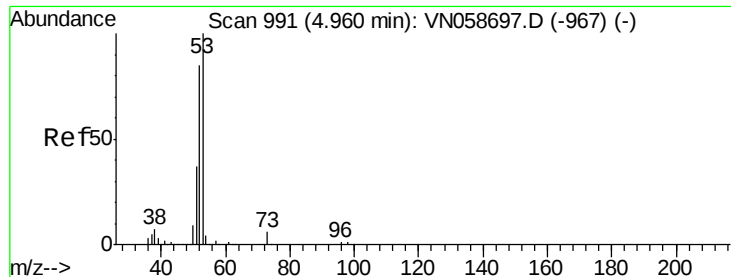
Ion Ratio Lower Upper

41 100

39 69.5 57.2 85.8

76 31.7 25.0 37.6





#15

Acrylonitrile

Concen: 923.538 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2092420

Ion Ratio Lower Upper

53 100

52 82.6 66.2 99.2

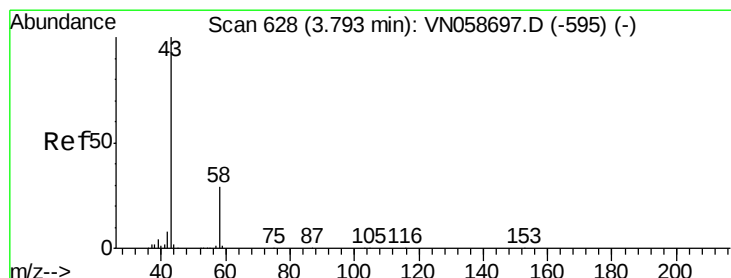
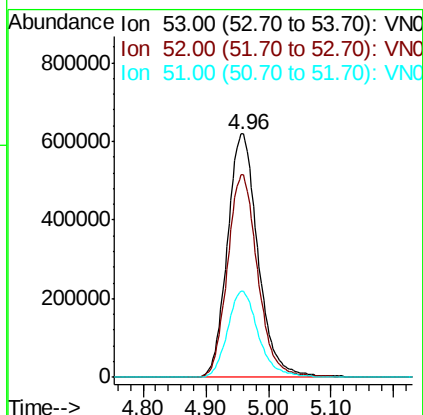
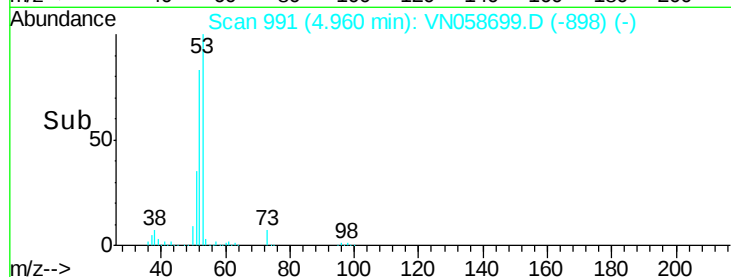
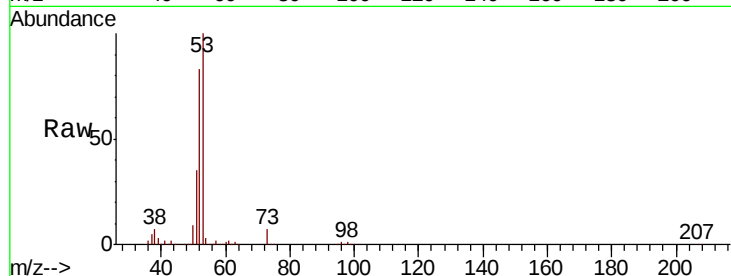
51 36.2 29.4 44.2

Manual Integrations

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#16

Acetone

Concen: 808.703 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058699.D

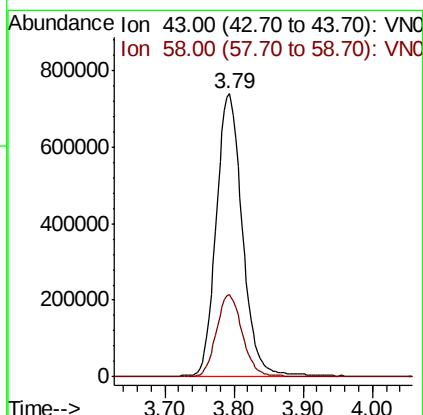
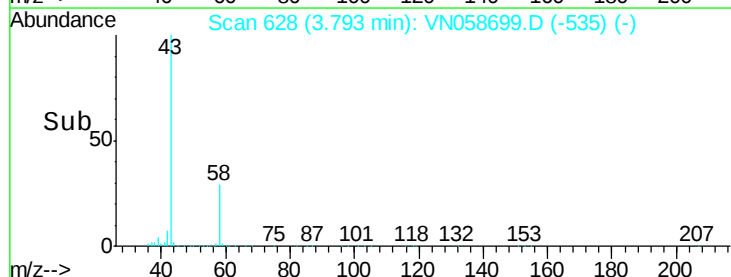
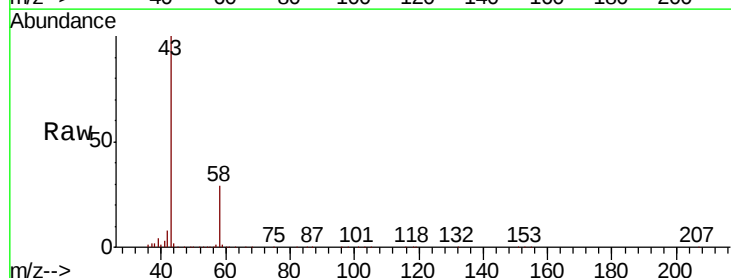
Acq: 11 Oct 2019 13:20

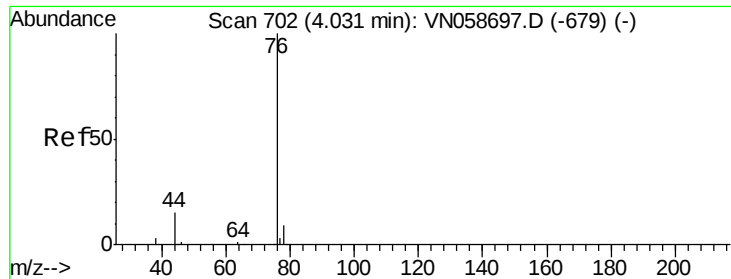
Tgt Ion: 43 Resp: 1912011

Ion Ratio Lower Upper

43 100

58 29.1 23.3 34.9





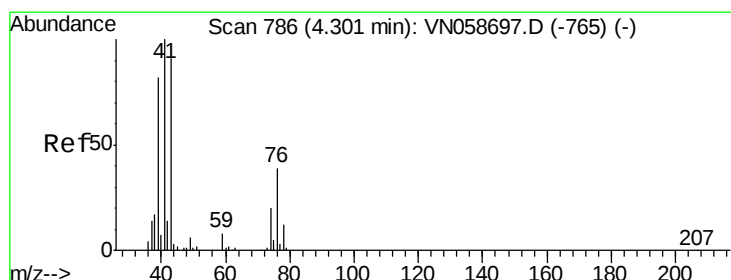
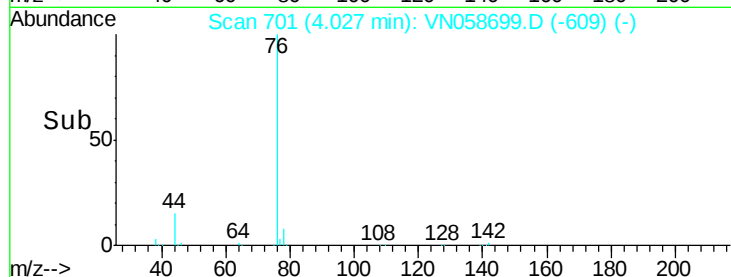
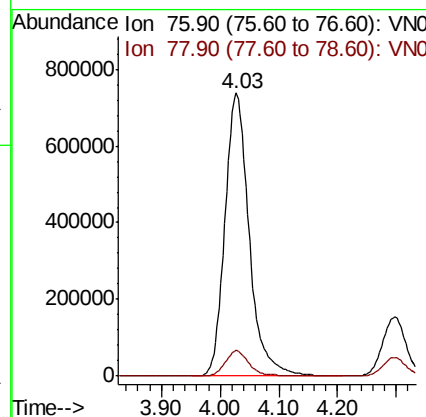
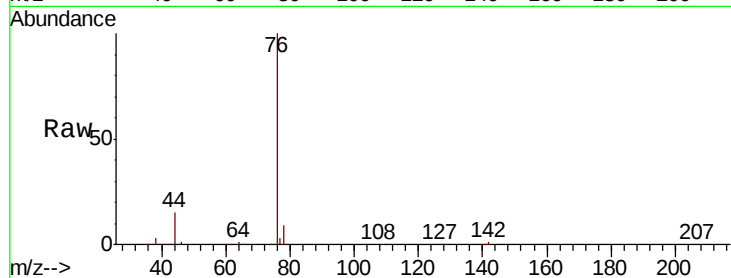
#17
Carbon Disulfide
Concen: 178.543 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 2108962
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

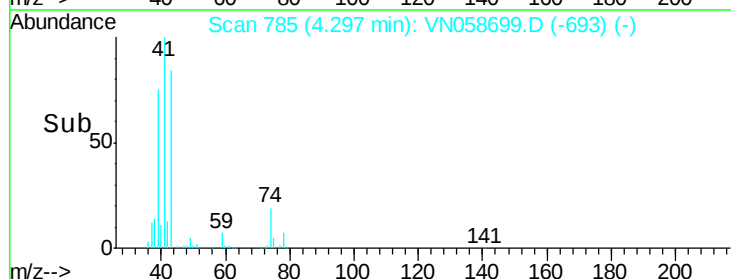
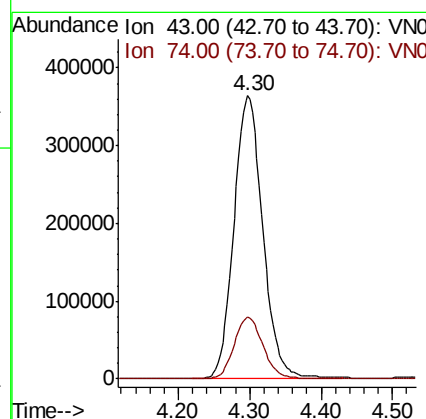
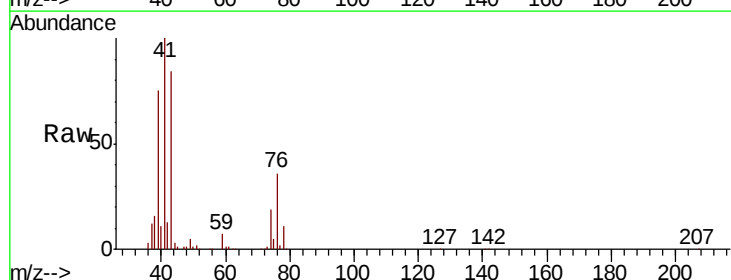
Manual Integrations
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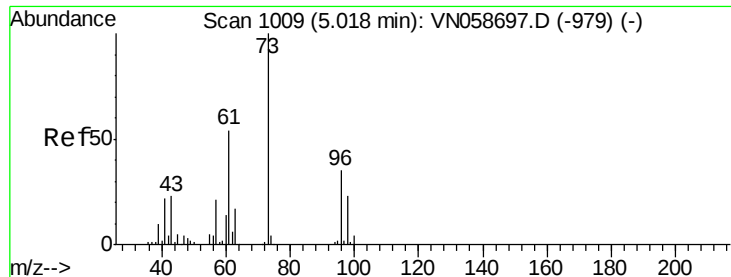
MMDadoda
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#18
Methyl Acetate
Concen: 170.698 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion: 43 Resp: 1022413
Ion Ratio Lower Upper
43 100
74 21.9 17.2 25.8





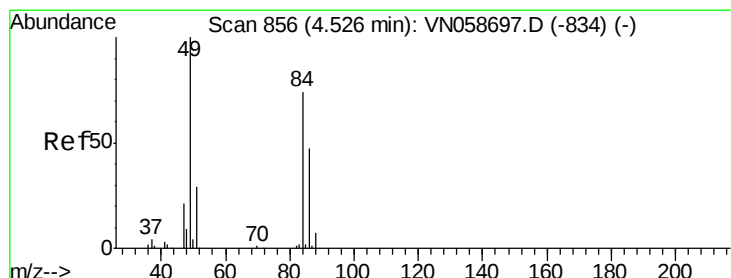
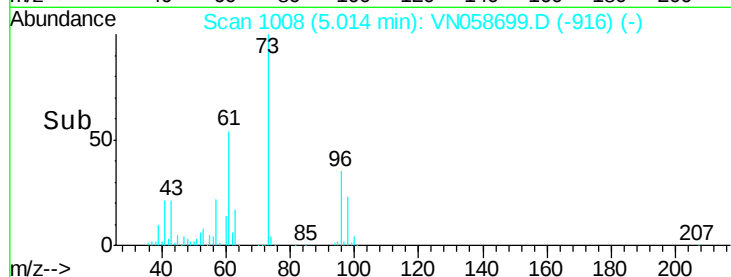
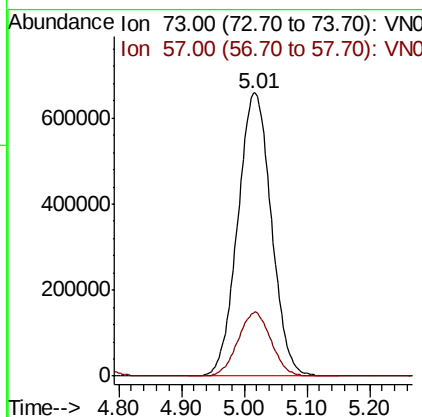
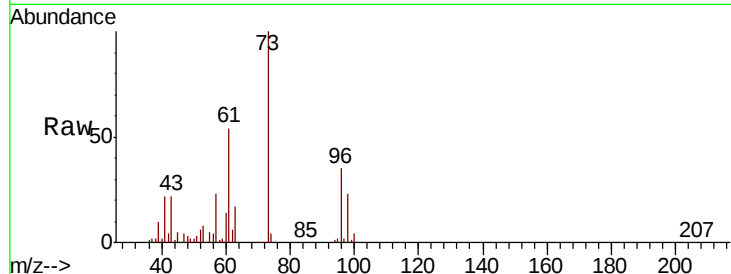
#19
Methyl tert-butyl Ether
Concen: 157.878 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 2444365
Ion Ratio Lower Upper
73 100
57 22.5 17.0 25.6

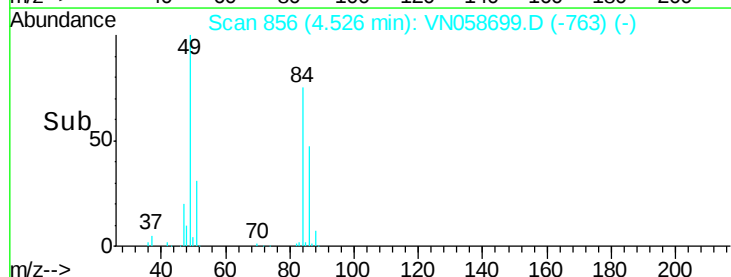
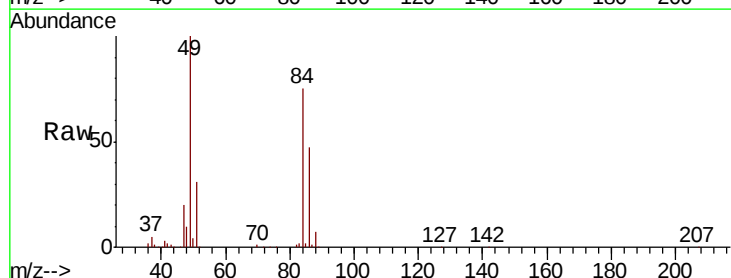
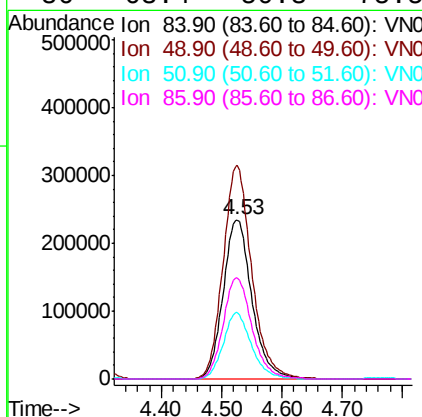
Manual Integrations
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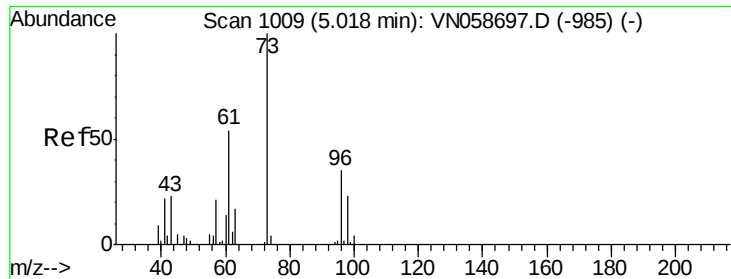
MMDadoda
10/16/2019 12:48:22 AM



#20
Methylene Chloride
Concen: 145.688 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion: 84 Resp: 778539
Ion Ratio Lower Upper
84 100
49 134.1 107.6 161.4
51 41.6 31.4 47.0
86 63.4 50.3 75.5





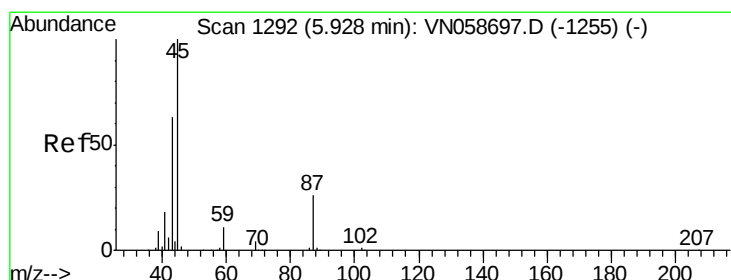
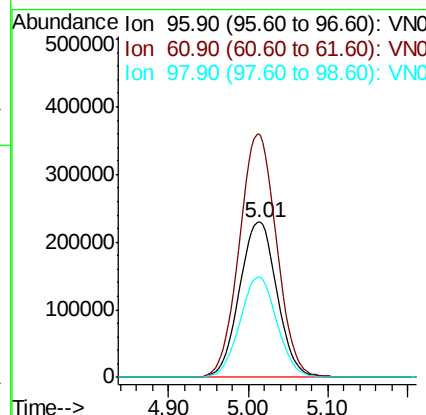
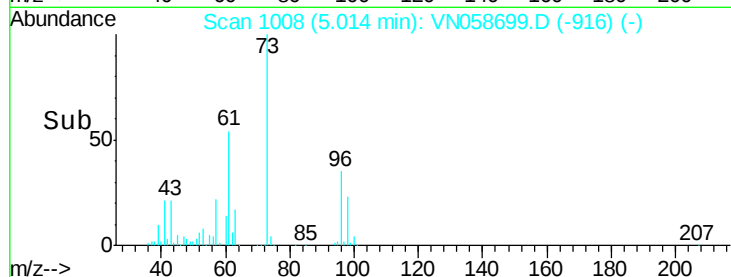
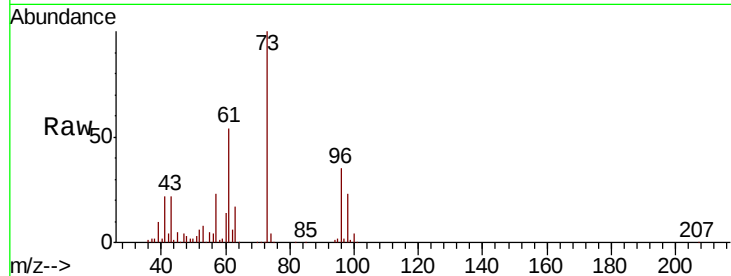
#21
trans-1,2-Dichloroethene
Concen: 150.489 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.1	123.6	185.4
98	64.6	52.1	78.1

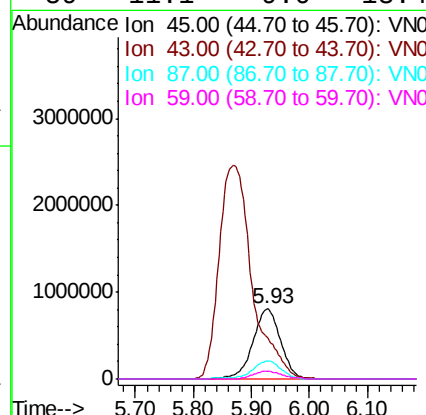
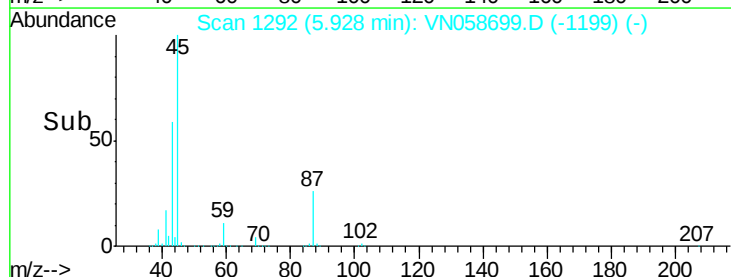
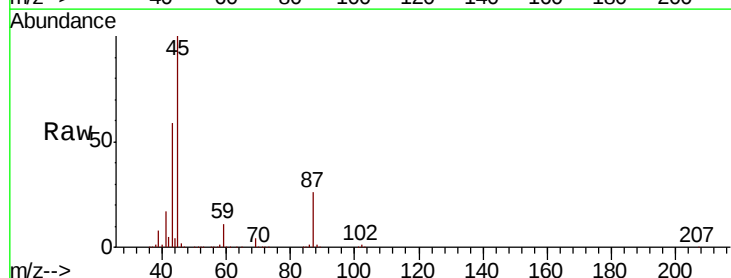
Manual Integrations
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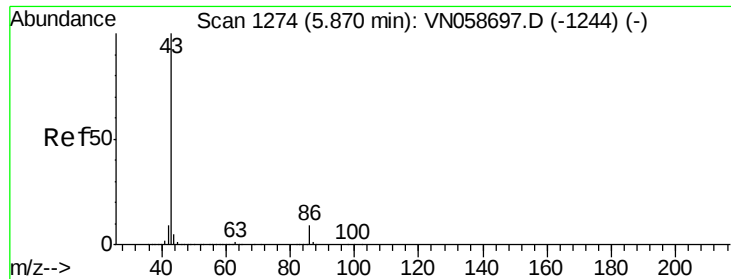
MMDadoda
10/16/2019 12:48:22 AM



#22
Diisopropyl ether
Concen: 156.779 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.6	50.6	75.8
87	25.5	21.1	31.7
59	11.1	9.0	13.4





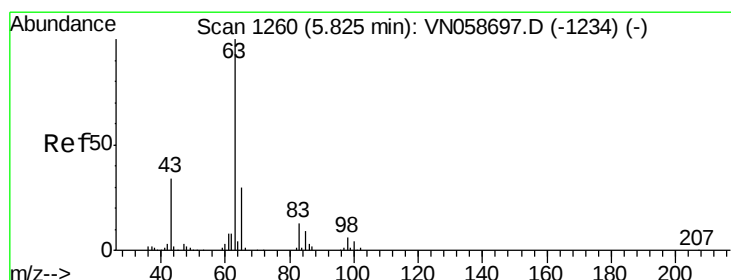
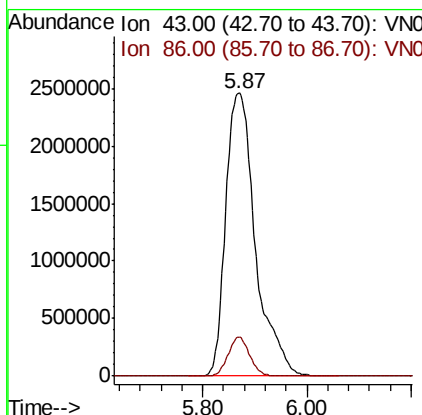
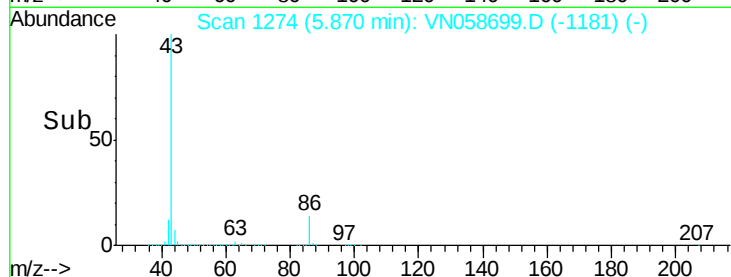
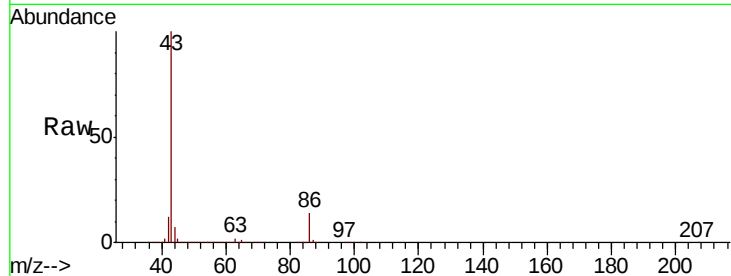
#23
 Vinyl Acetate
 Concen: 745.146 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058699.D
 Acq: 11 Oct 2019 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 9732324
 Ion Ratio Lower Upper
 43 100
 86 13.8 7.4 11.0#

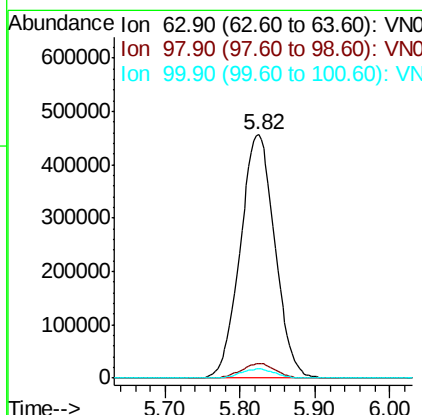
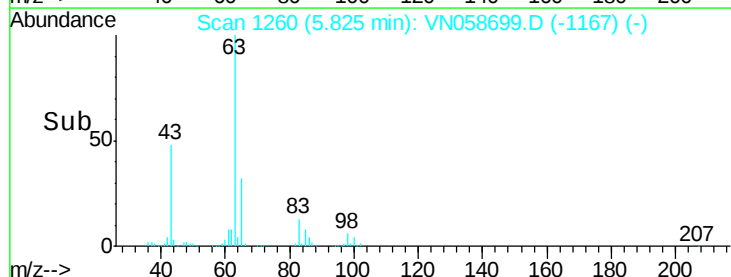
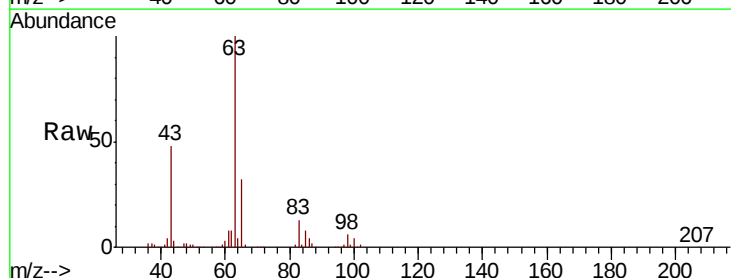
Manual Integrations
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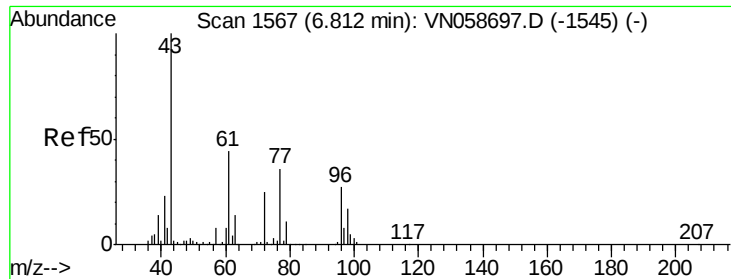
MMDadoda
 10/16/2019 12:48:22 AM



#24
 1,1-Dichloroethane
 Concen: 151.866 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN058699.D
 Acq: 11 Oct 2019 13:20

Tgt Ion: 63 Resp: 1465369
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.6
 100 3.7 1.8 5.5





#25

2-Butanone

Concen: 915.703 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2997190

Ion Ratio Lower Upper

43 100

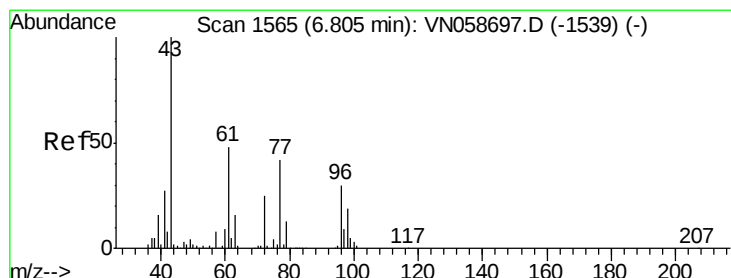
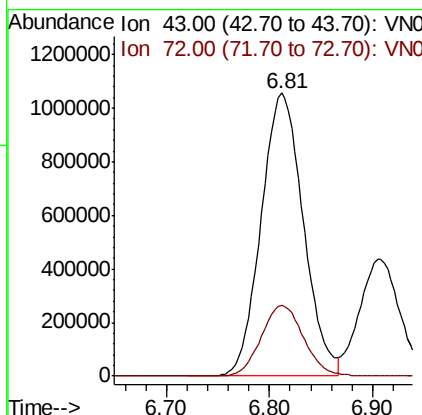
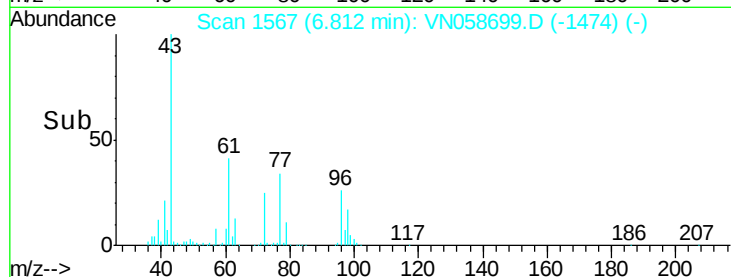
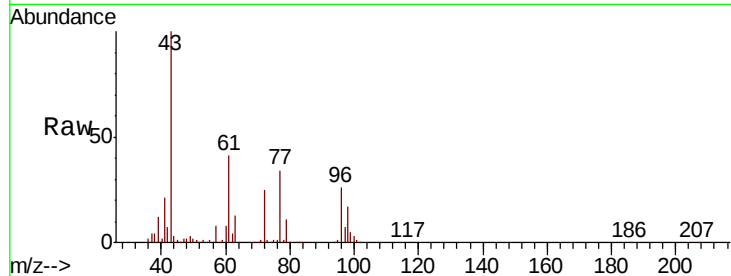
72 25.0 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 159.573 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058699.D

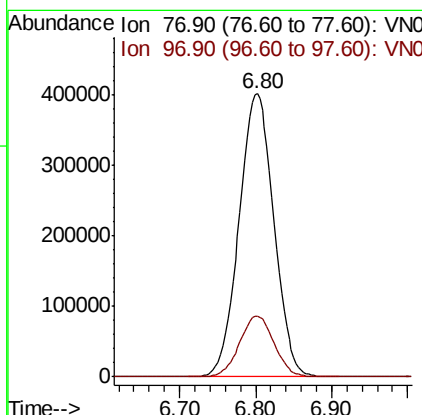
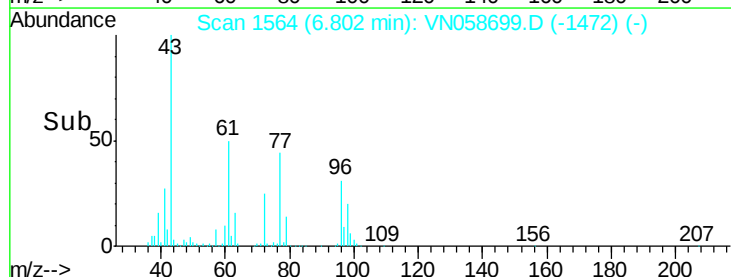
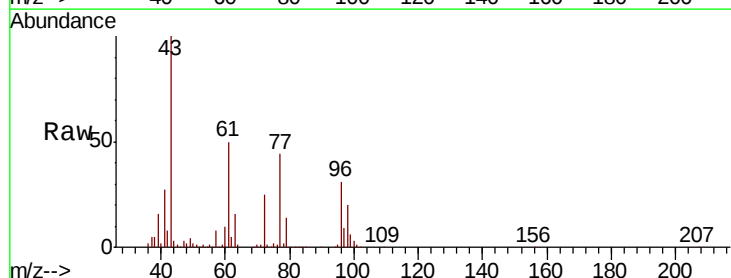
Acq: 11 Oct 2019 13:20

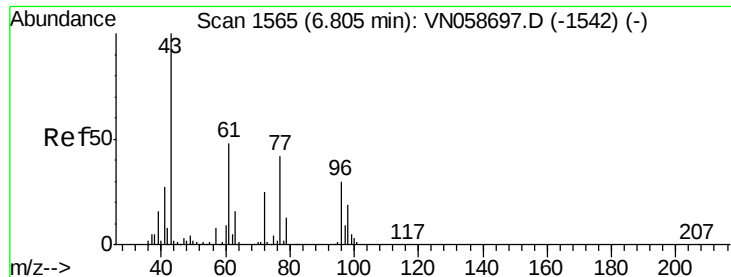
Tgt Ion: 77 Resp: 1278298

Ion Ratio Lower Upper

77 100

97 21.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 149.367 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

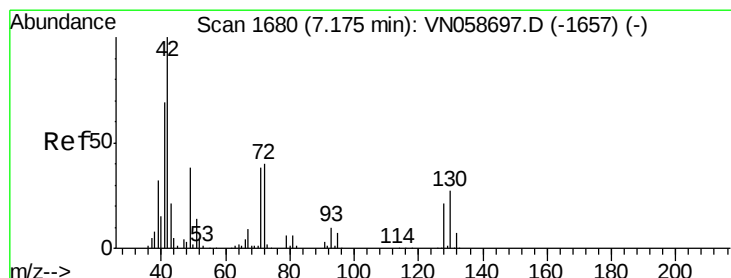
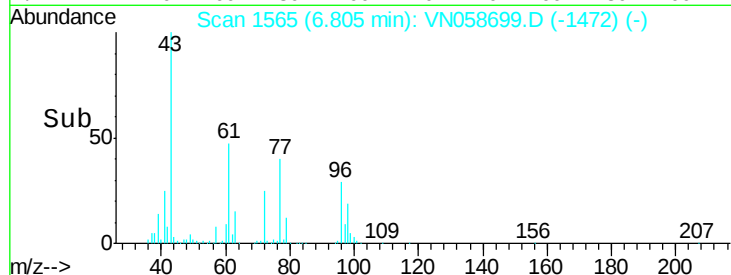
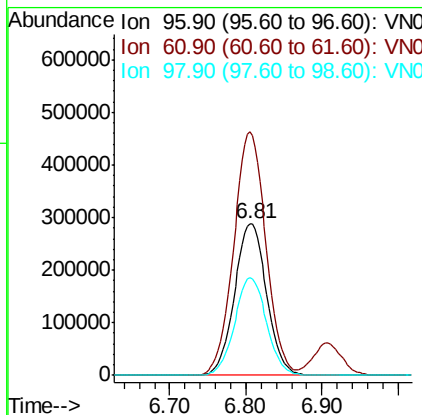
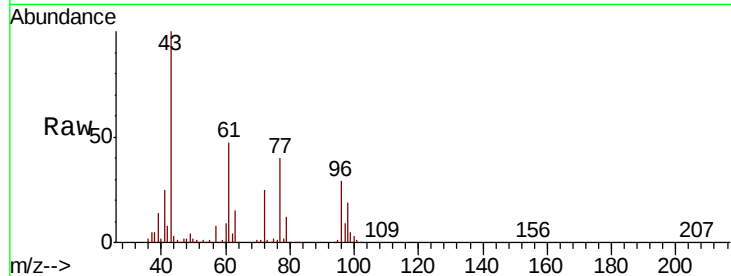
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	844847
Ion	Ratio	Lower	Upper
96	100		
61	160.6	0.0	324.8
98	63.8	0.0	129.2

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#28

Bromochloromethane

Concen: 134.530 ug/l

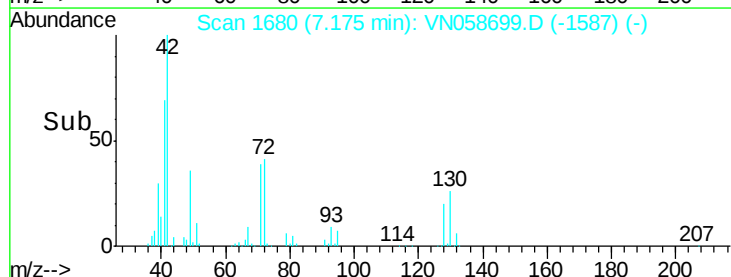
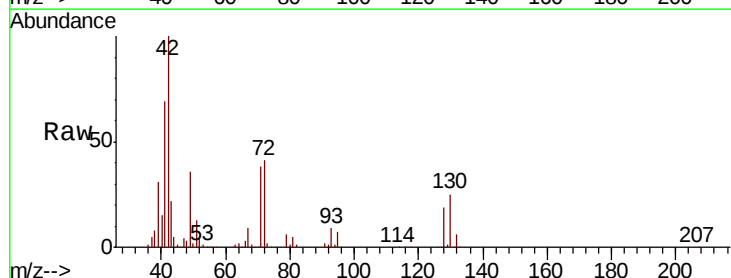
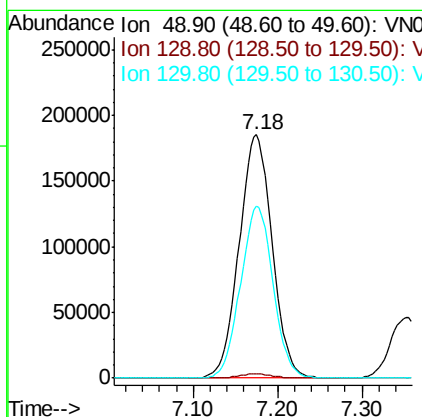
RT: 7.18 min Scan# 1680

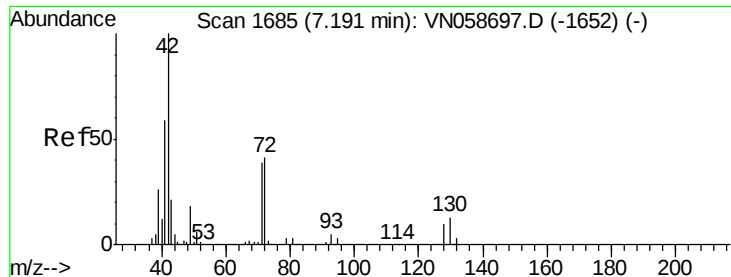
Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Tgt Ion:	49	Resp:	505439
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	69.4	55.0	82.4





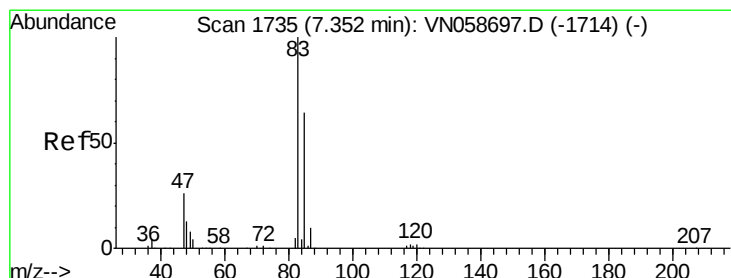
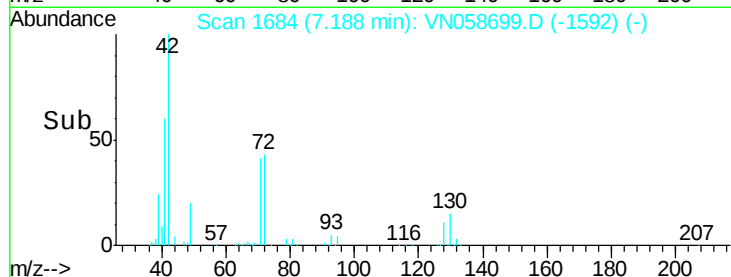
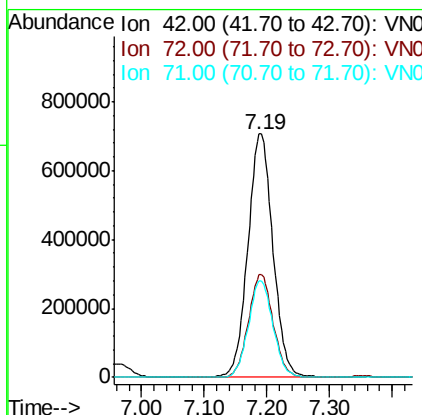
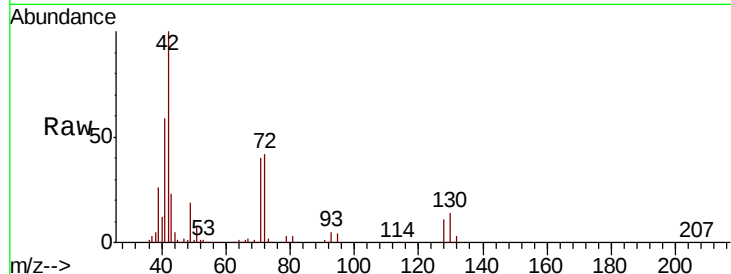
#29
Tetrahydrofuran
Concen: 939.698 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.8	49.2
71	39.0	31.1	46.7

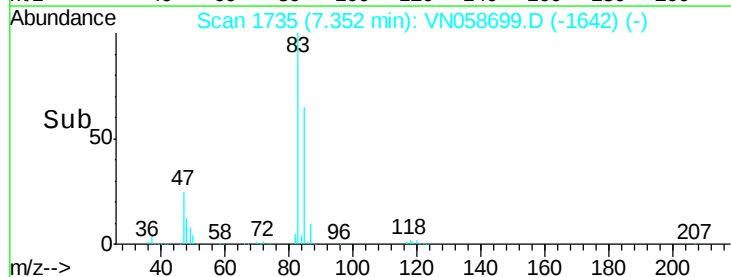
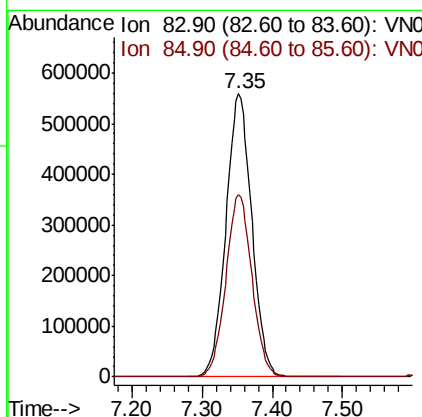
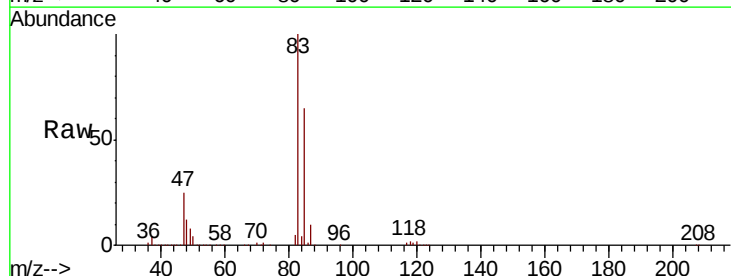
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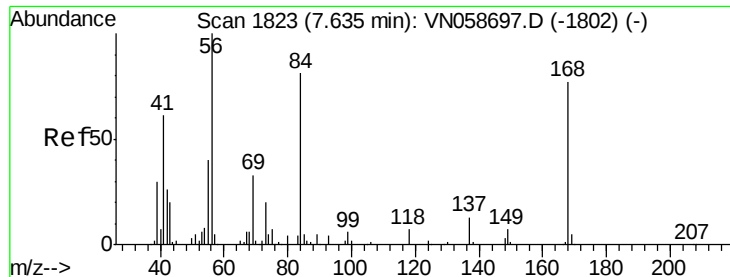
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#30
Chloroform
Concen: 147.090 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.0	76.6





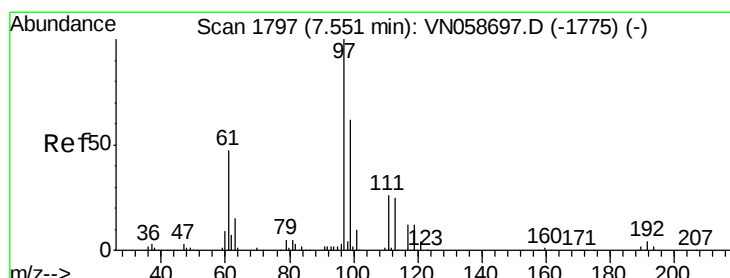
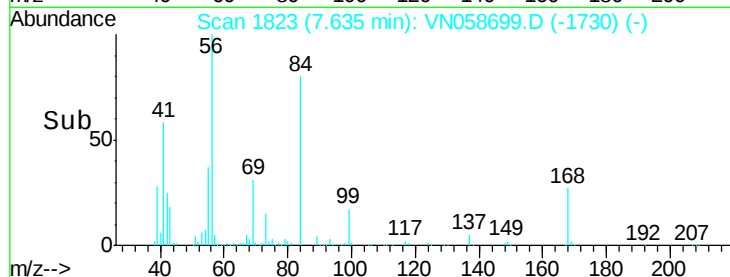
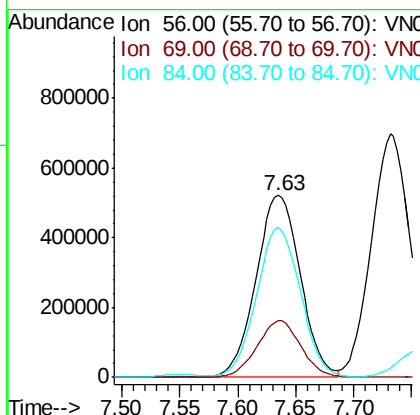
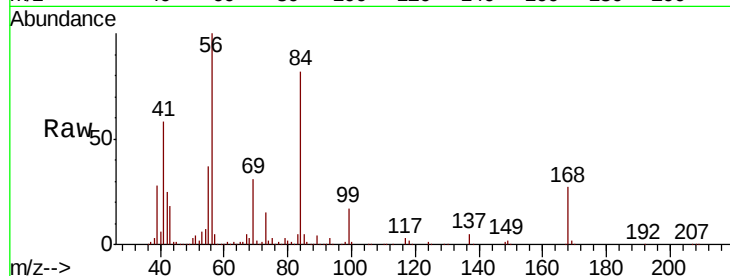
#31
Cyclohexane
Concen: 148.486 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	26.2	39.4
84	81.0	64.9	97.3

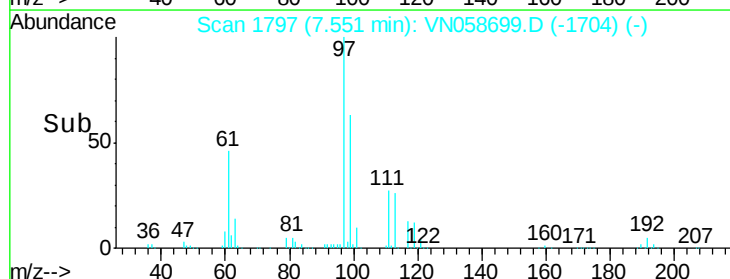
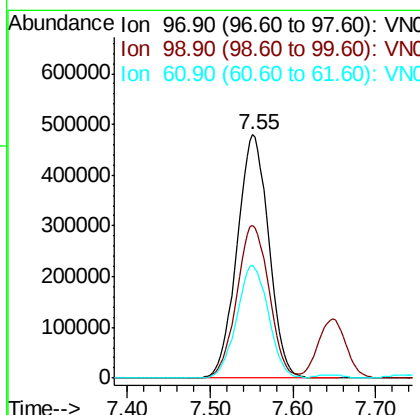
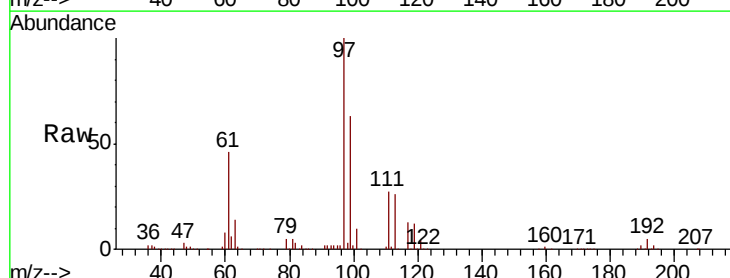
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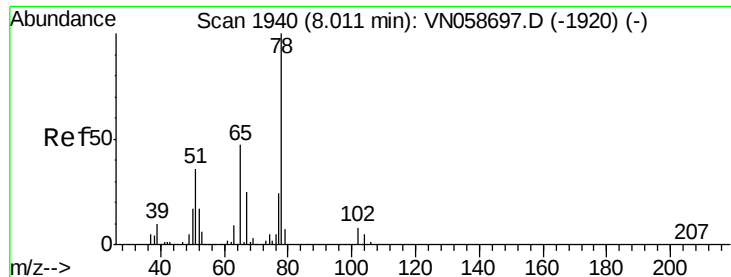
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#32
1,1,1-Trichloroethane
Concen: 158.289 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.8	76.2
61	46.5	38.1	57.1





#33

1,2-Dichloroethane-d4

Concen: 139.637 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 935152

Ion Ratio Lower Upper

65 100

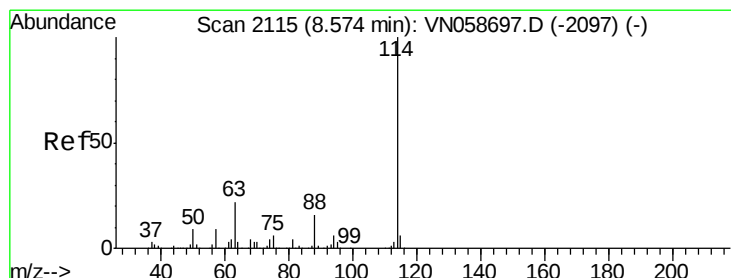
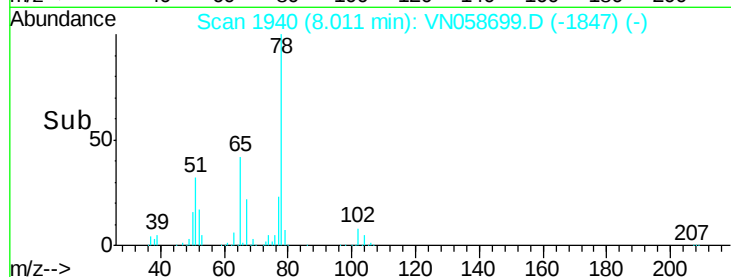
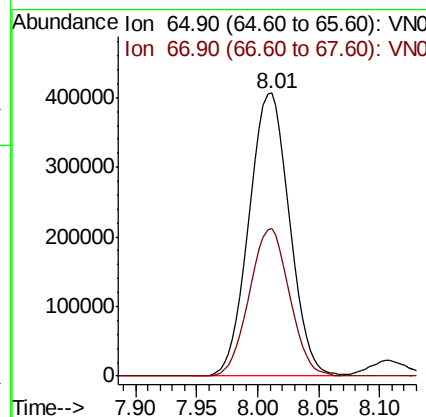
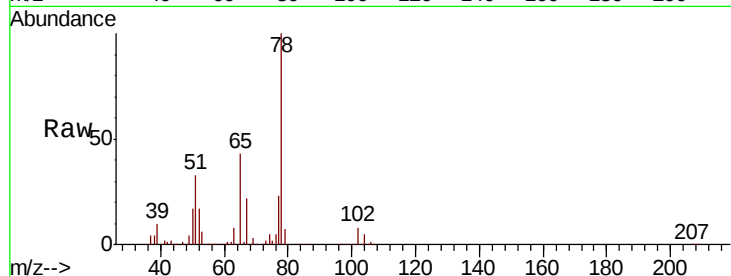
67 51.7 0.0 103.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

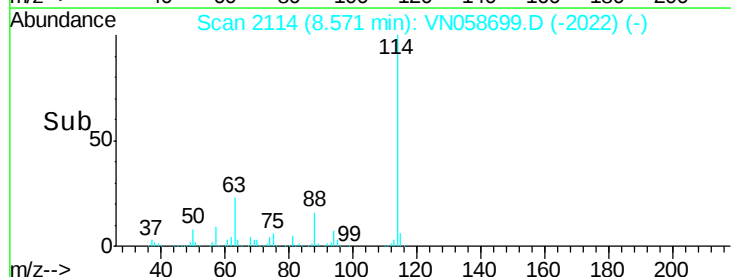
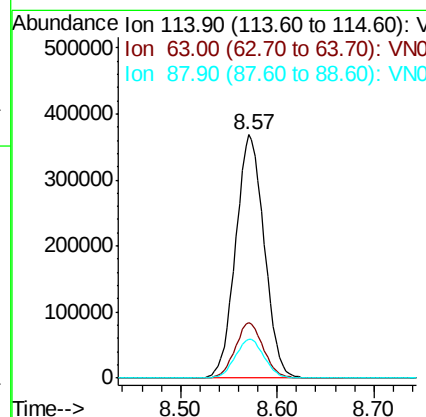
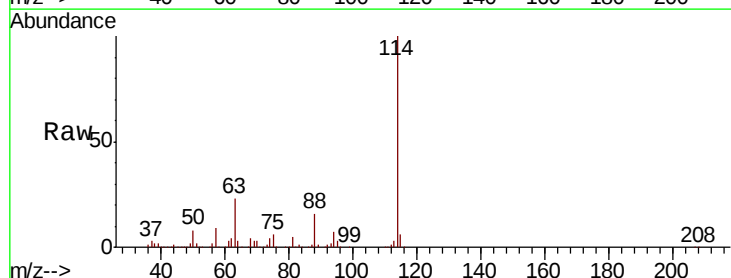
Tgt Ion: 114 Resp: 753648

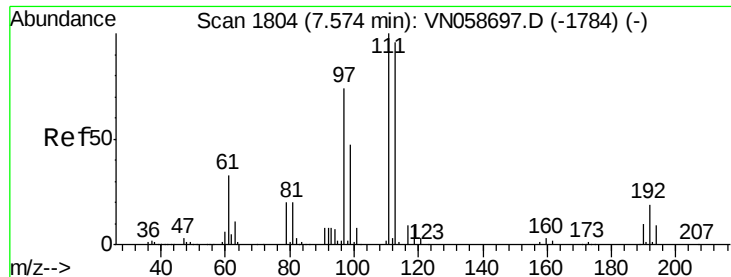
Ion Ratio Lower Upper

114 100

63 22.9 0.0 43.8

88 15.9 0.0 32.0





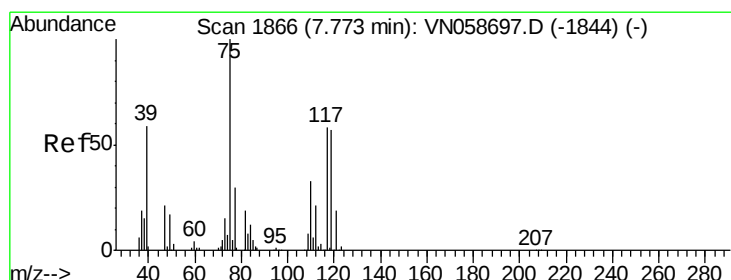
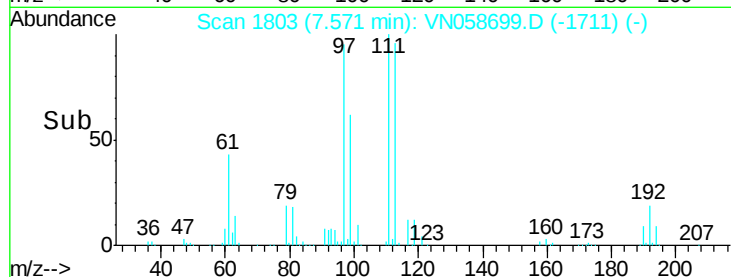
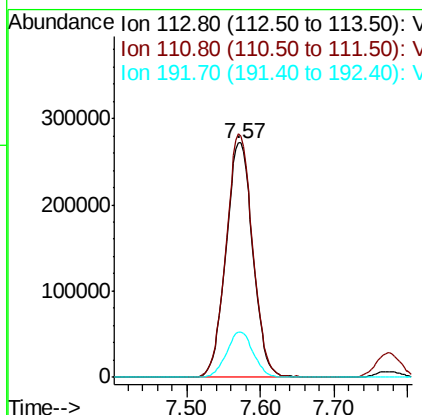
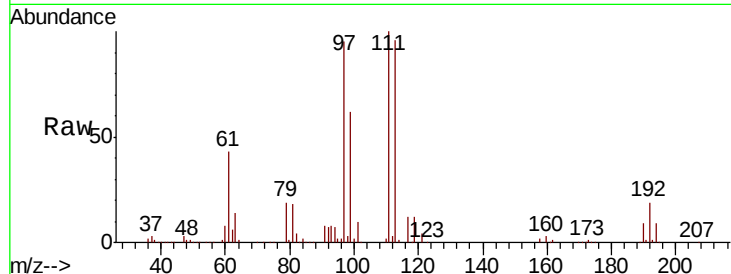
#35
 Dibromofluoromethane
 Concen: 149.016 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058699.D
 Acq: 11 Oct 2019 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	686922		
111	102.4	82.3	123.5	
192	19.4	15.0	22.6	

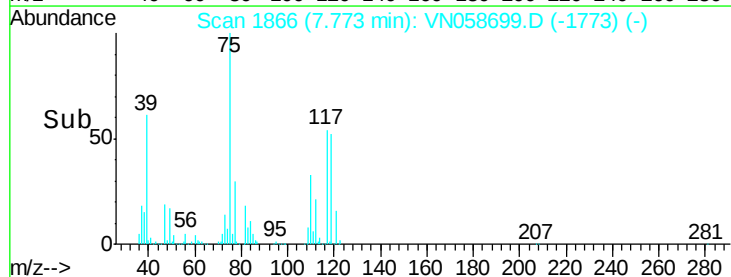
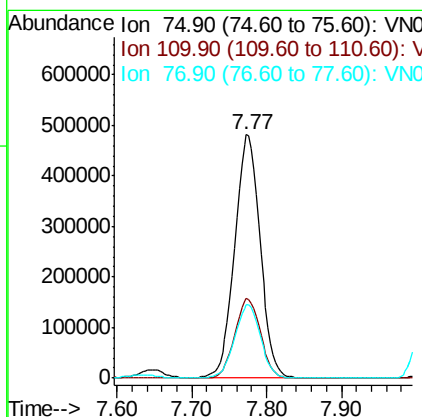
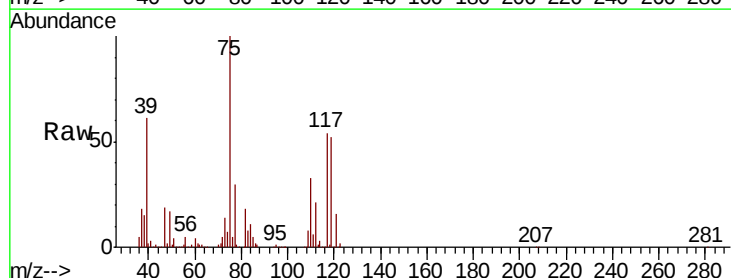
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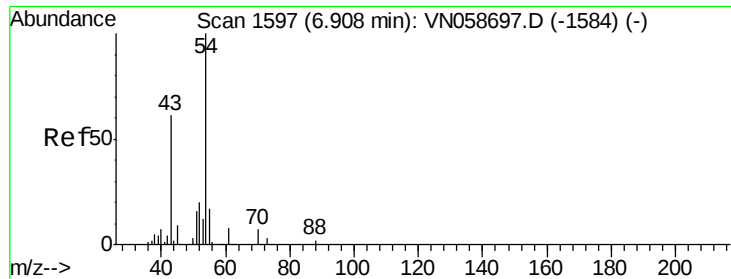
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#36
 1,1-Dichloropropene
 Concen: 157.181 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058699.D
 Acq: 11 Oct 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1139342		
110	32.9	16.6	49.8	
77	30.8	24.6	37.0	





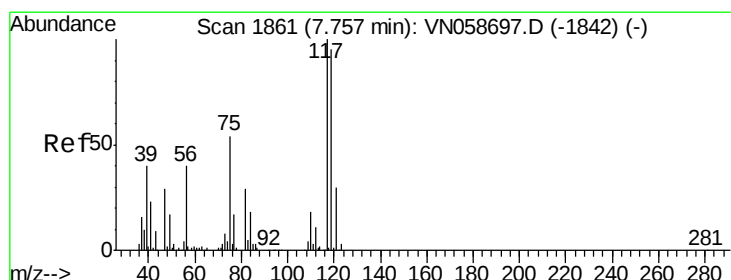
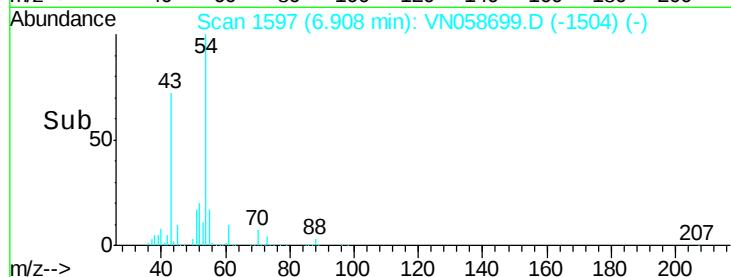
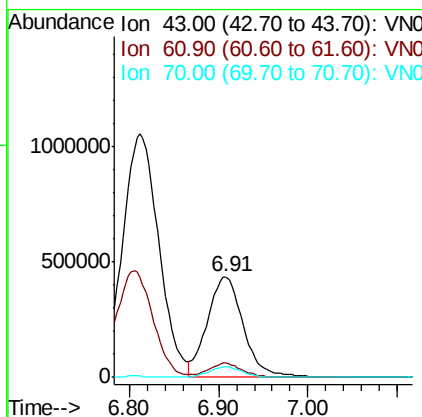
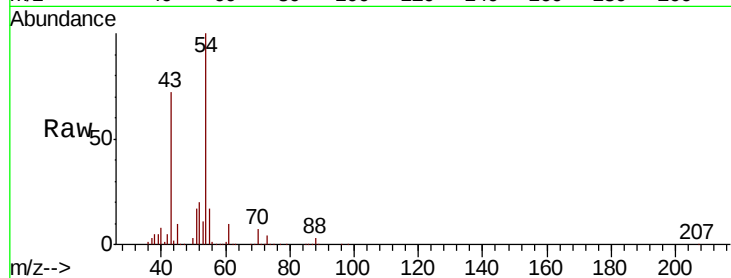
#37
Ethyl Acetate
Concen: 190.534 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.3	16.9
70	9.8	7.2	10.8

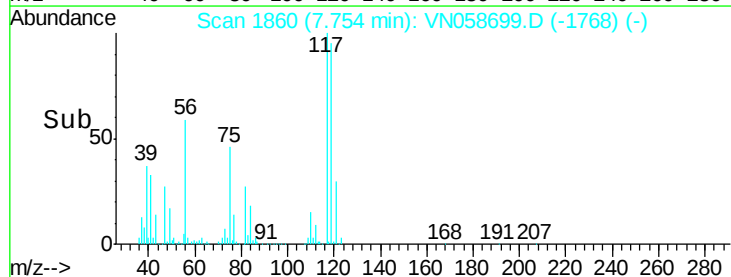
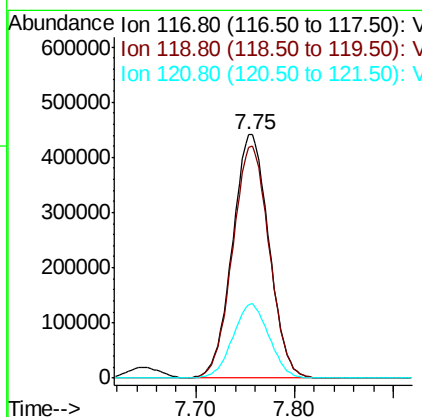
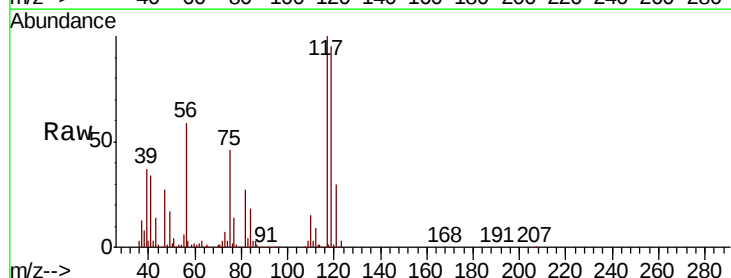
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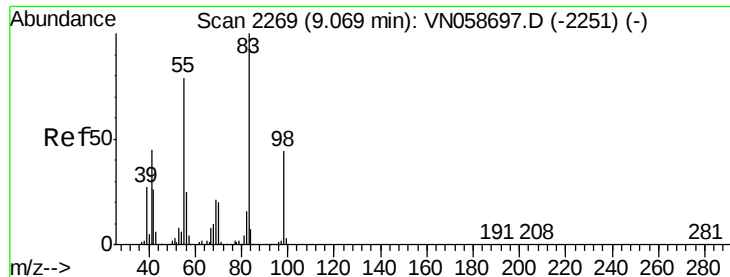
MMDadoda
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#38
Carbon Tetrachloride
Concen: 169.902 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.7	113.5
121	30.3	23.9	35.9





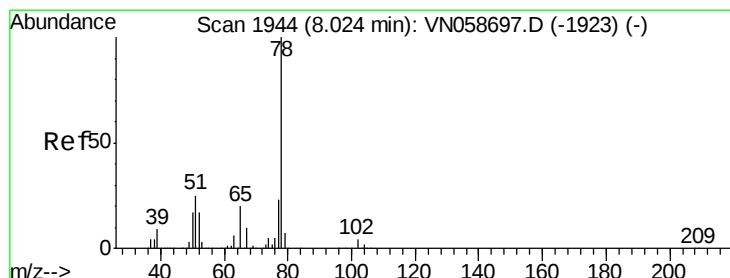
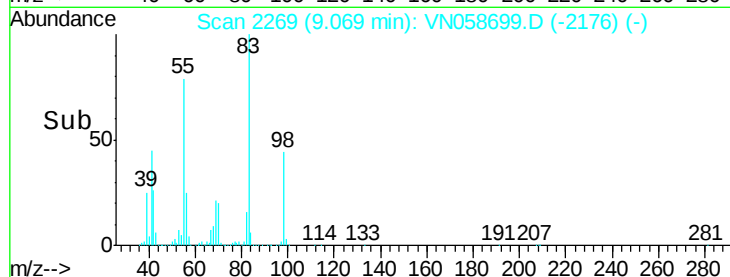
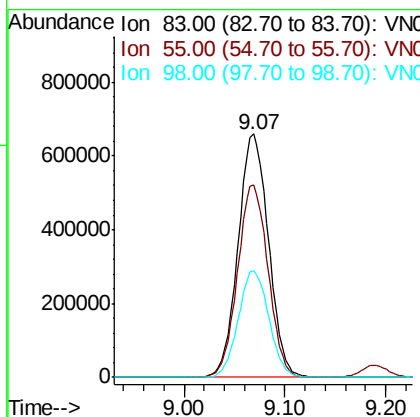
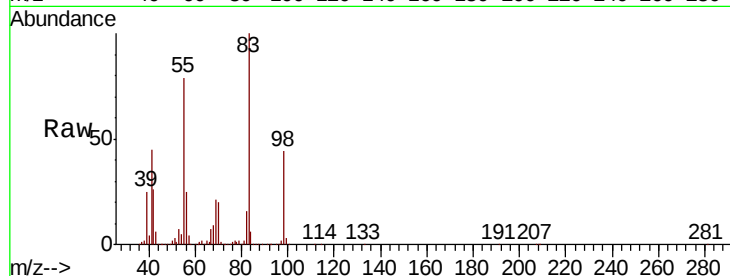
#39
Methvlcvclohexane
Concen: 161.925 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	63.4	95.0
98	43.9	35.1	52.7

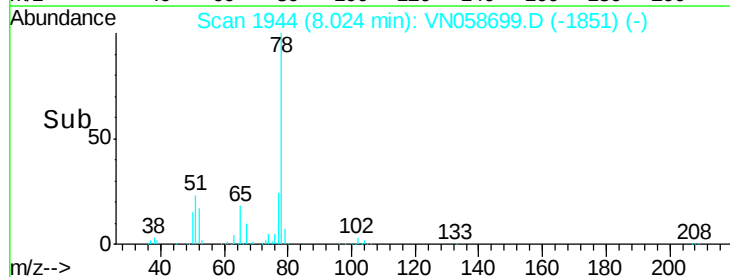
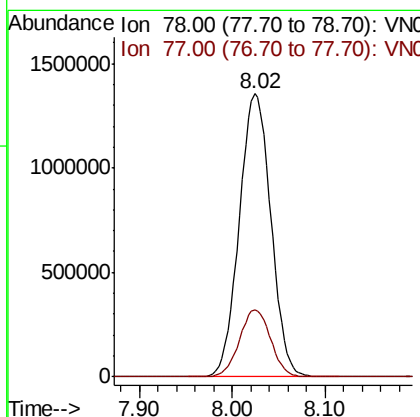
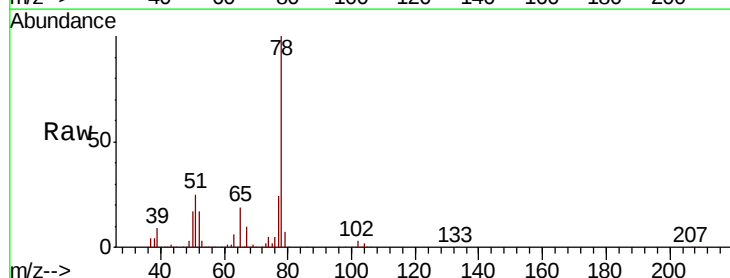
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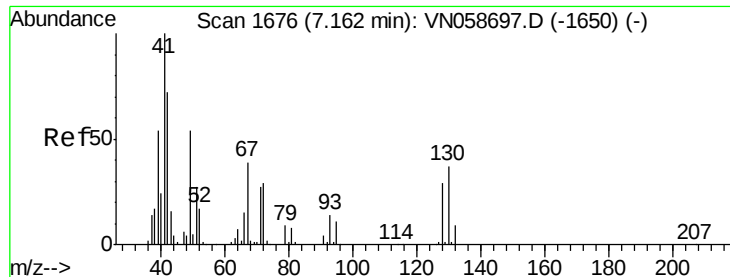
MMDadoda
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#40
Benzene
Concen: 154.185 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





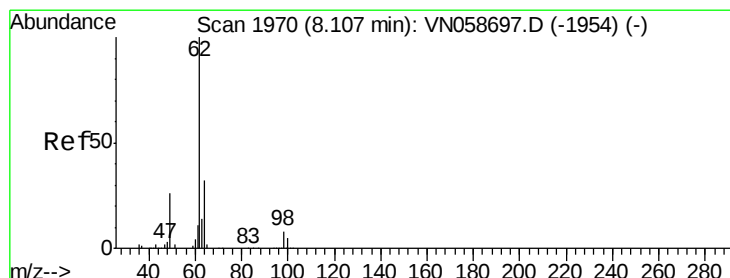
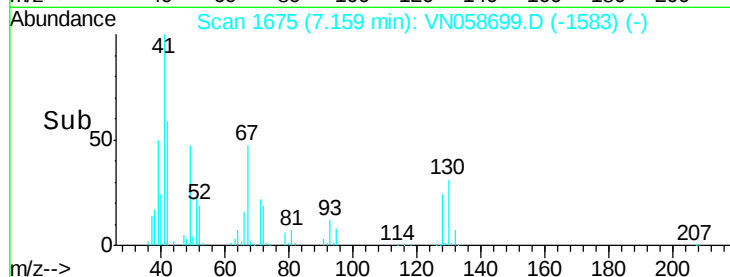
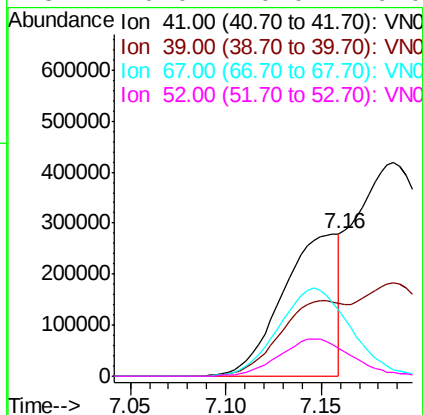
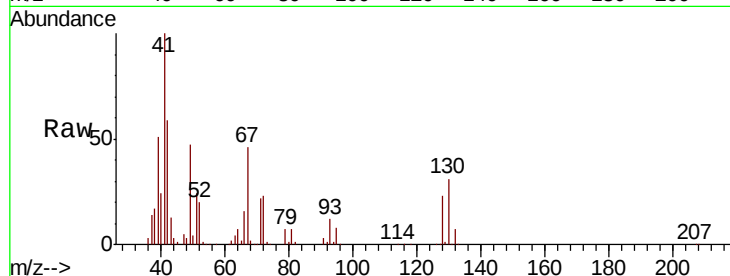
#41
Methacrylonitrile
Concen: 191.789 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion	41	Resp	572127
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

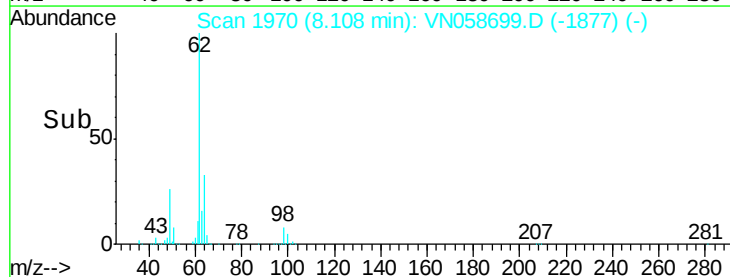
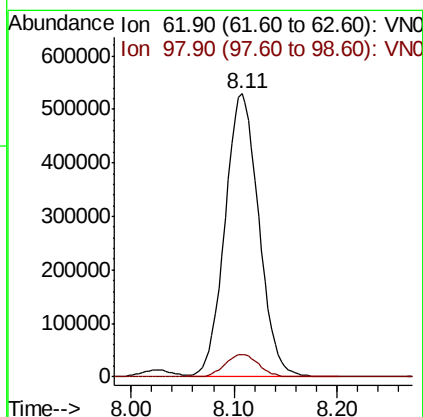
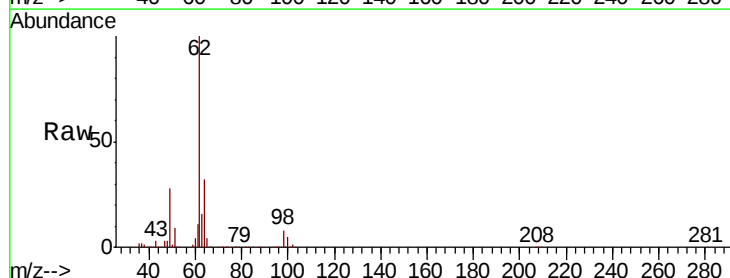
Manual Integrations
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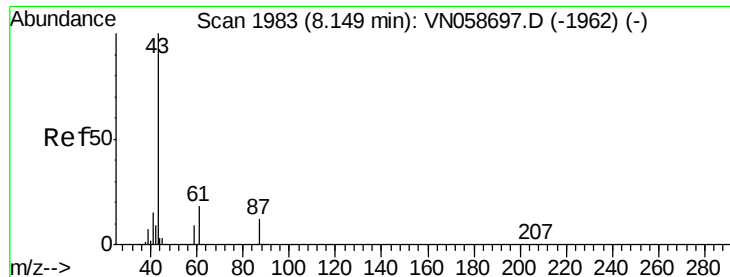
MMDadoda
10/16/2019 12:48:22 AM



#42
1,2-Dichloroethane
Concen: 149.287 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion	62	Resp	1208921
Ion Ratio	Lower	Upper	
62	100		
98	7.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 172.929 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2037558

Ion Ratio Lower Upper

43 100

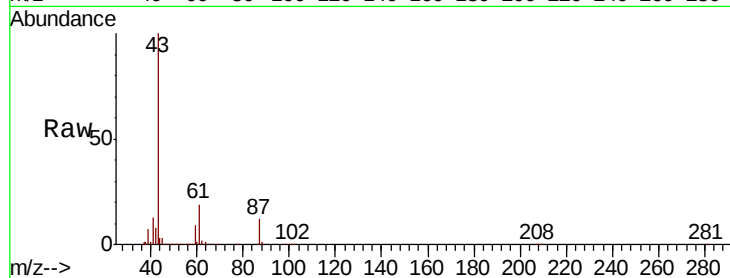
61 25.0 20.3 30.5

87 12.1 9.8 14.6

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MMDadoda

10/16/2019 12:48:22 AM

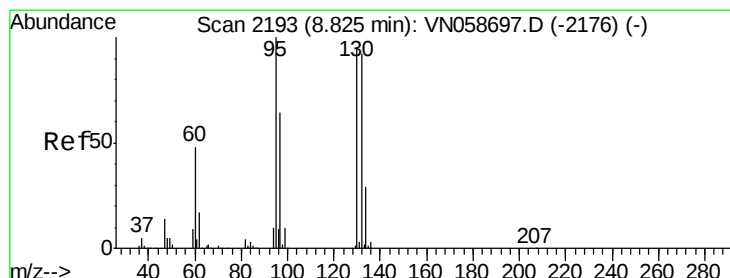
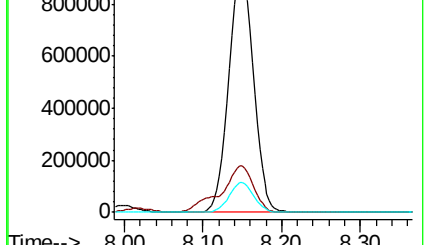
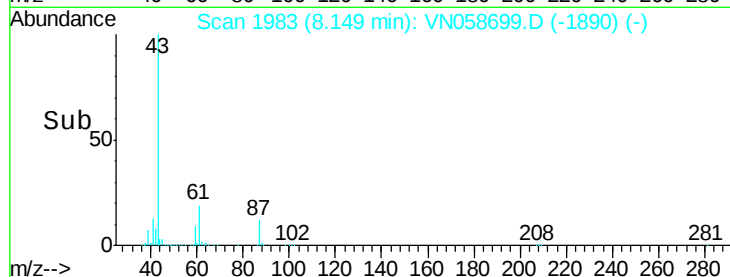


Abundance Ion 43.00 (42.70 to 43.70): VN058699.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058699.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058699.D (-1890) (-)

Time-->



#44

Trichloroethene

Concen: 156.351 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058699.D

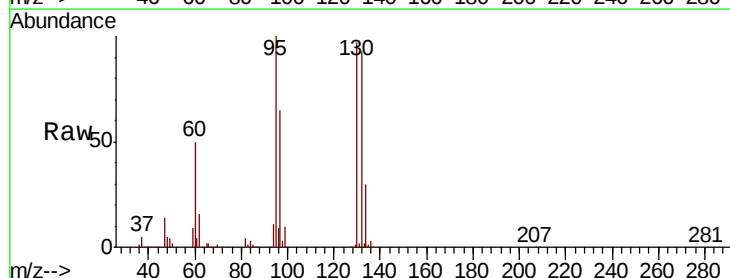
Acq: 11 Oct 2019 13:20

Tgt Ion: 130 Resp: 802777

Ion Ratio Lower Upper

130 100

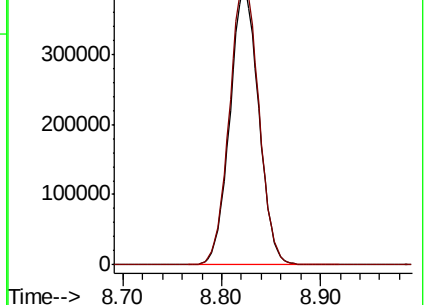
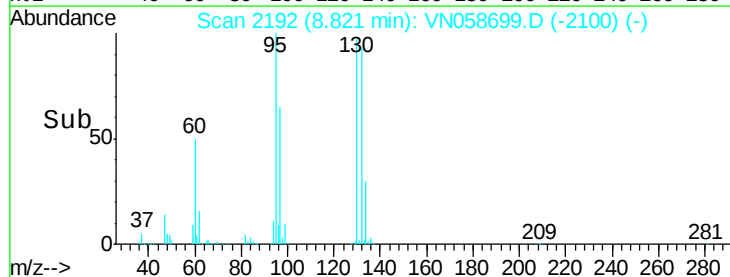
95 103.1 0.0 211.2

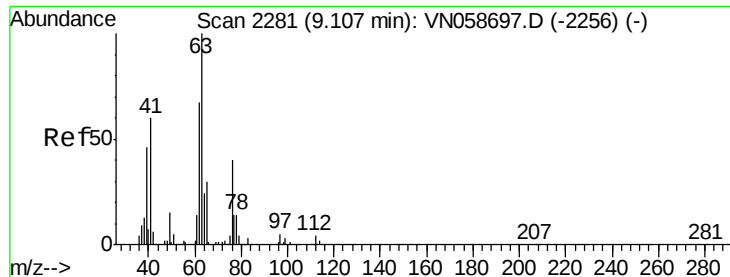


Abundance Ion 129.80 (129.50 to 130.50): VN058699.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058699.D (-2100) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 156.871 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 63 Resp: 876979

Ion Ratio Lower Upper

63 100

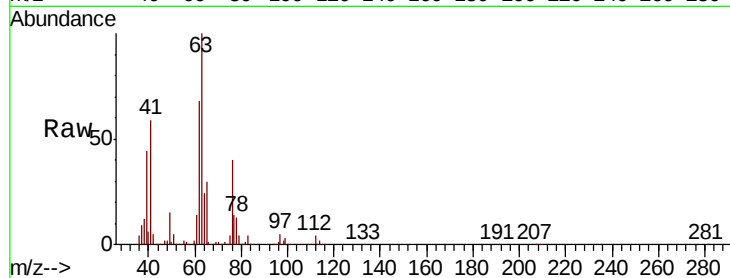
65 30.2 24.1 36.1

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN058699.D (-2188) (-)

Ion 64.90 (64.60 to 65.60): VN058699.D (-2188) (-)

9.11

400000

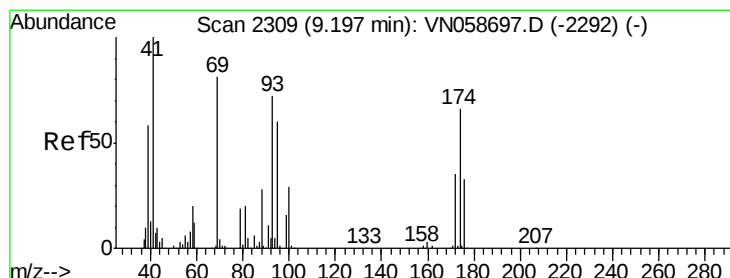
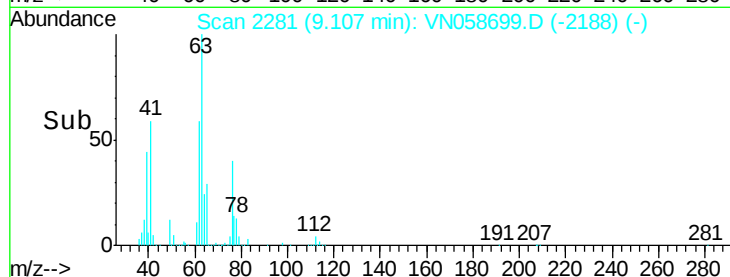
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 156.824 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

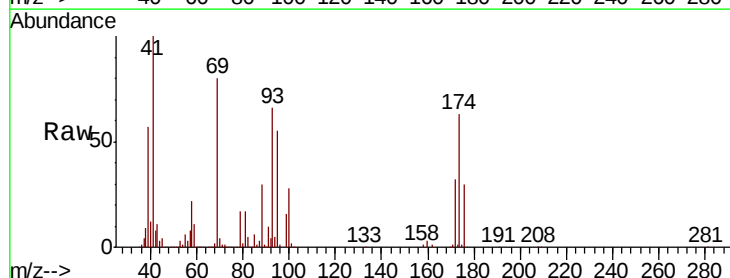
Tgt Ion: 93 Resp: 556428

Ion Ratio Lower Upper

93 100

95 83.0 66.6 100.0

174 94.8 75.2 112.8



Abundance Ion 92.80 (92.50 to 93.50): VN058699.D (-2216) (-)

Ion 94.80 (94.50 to 95.50): VN058699.D (-2216) (-)

Ion 173.70 (173.40 to 174.40): VN058699.D (-2216) (-)

9.20

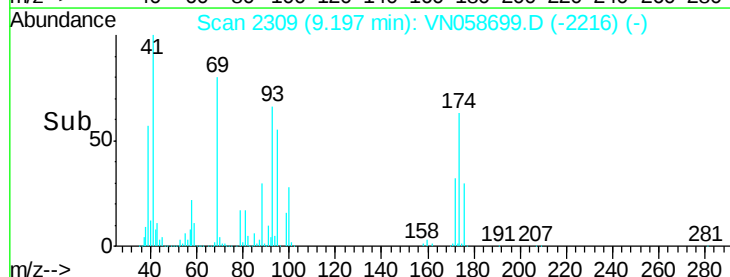
300000

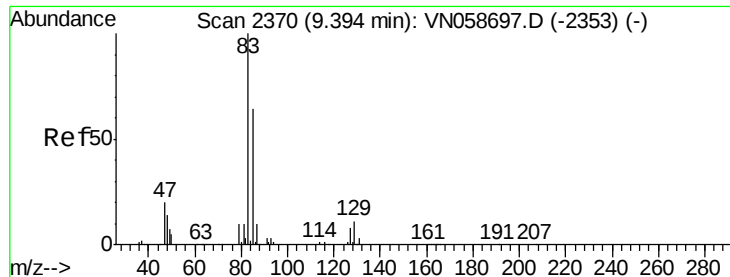
200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 171.352 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1161048

Ion Ratio Lower Upper

83 100

85 63.9 50.9 76.3

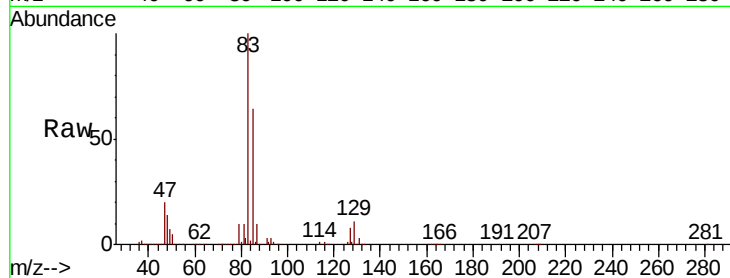
127 8.1 6.3 9.5

Manual Integrations

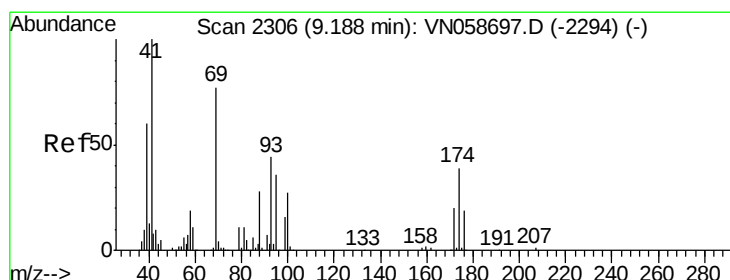
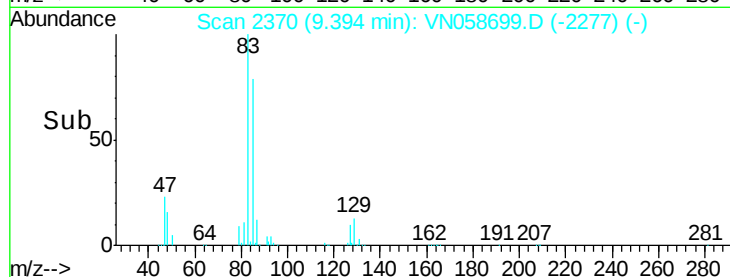
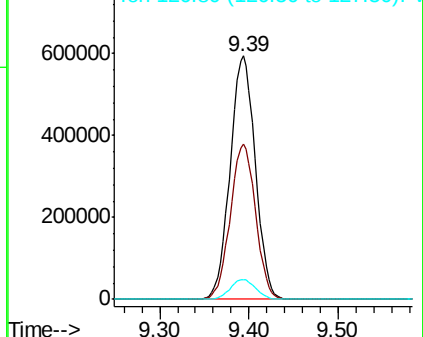
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MMDadoda

10/16/2019 12:48:22 AM



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 180.022 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

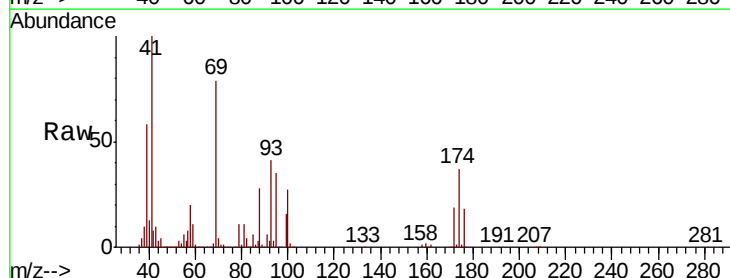
Tgt Ion: 41 Resp: 963759

Ion Ratio Lower Upper

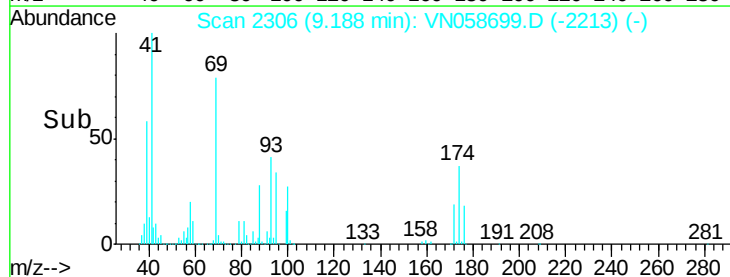
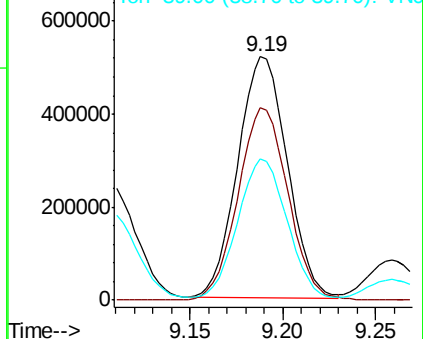
41 100

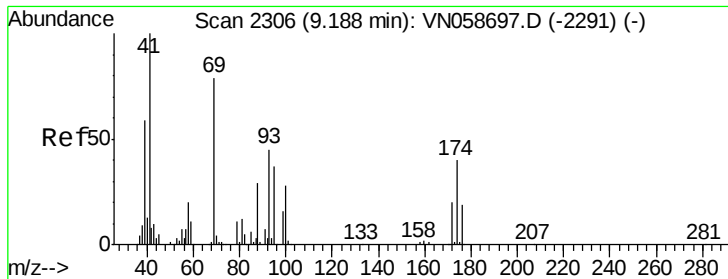
69 80.3 63.4 95.2

39 58.9 48.9 73.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





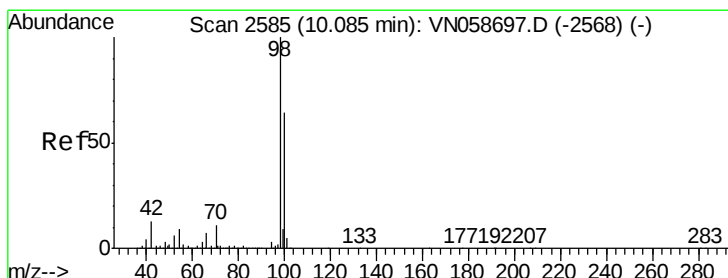
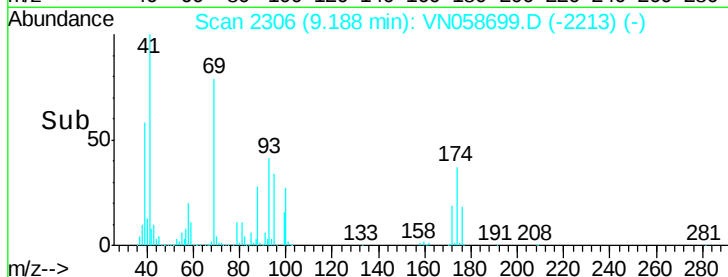
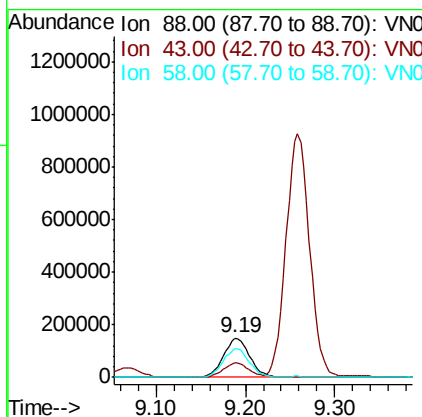
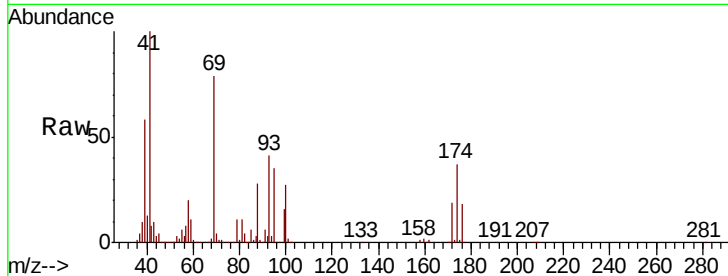
#49
1,4-Dioxane
Concen: 4189.244 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	28.6	43.0
58	72.5	57.2	85.8

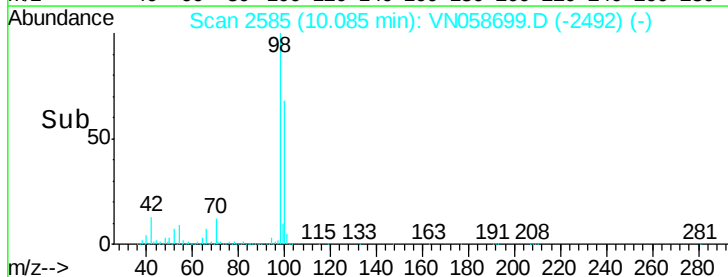
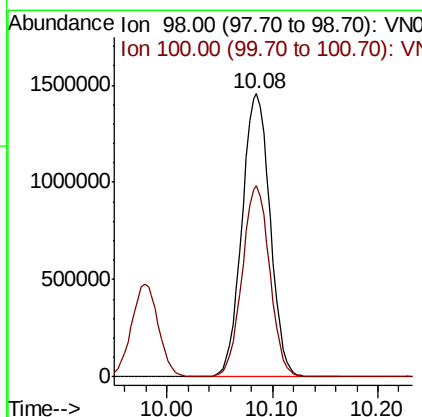
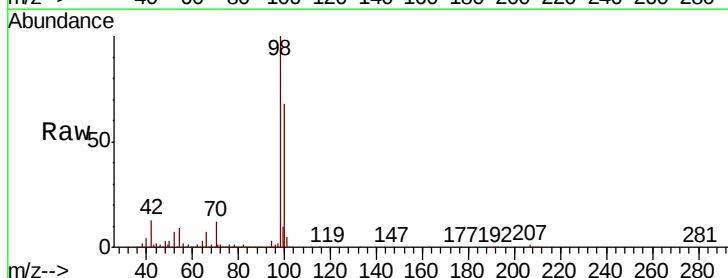
Manual Integrations
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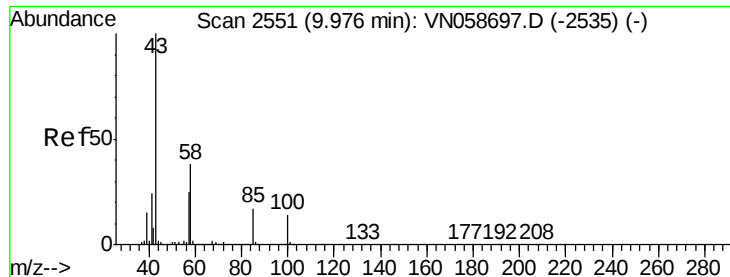
MMDadoda
10/16/2019 12:48:22 AM



#50
Toluene-d8
Concen: 148.817 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 818.960 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 5053742

Ion Ratio Lower Upper

43 100

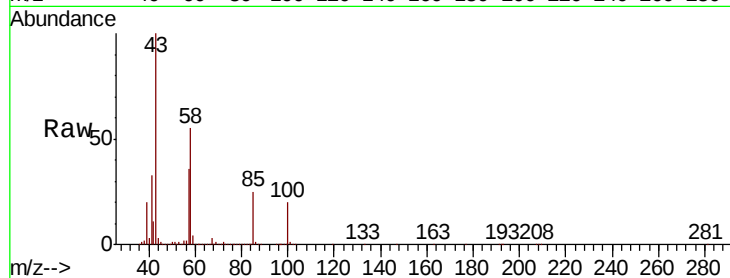
58 47.0 30.3 45.5#

Manual Integrations

APPROVED

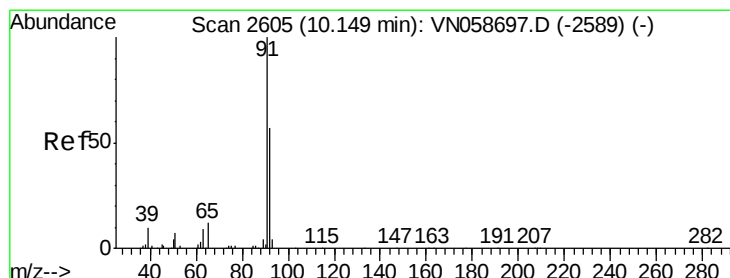
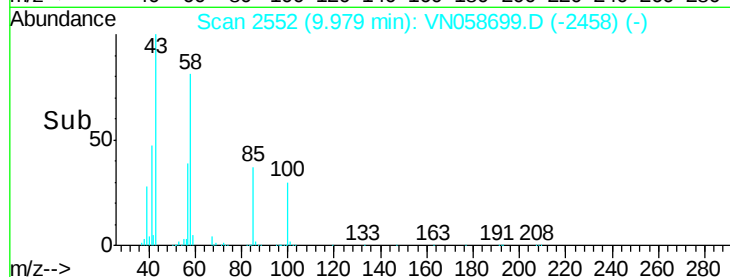
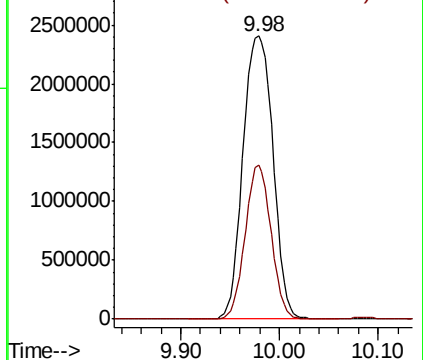
MMDadoda

10/16/2019 12:48:22 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 155.869 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058699.D

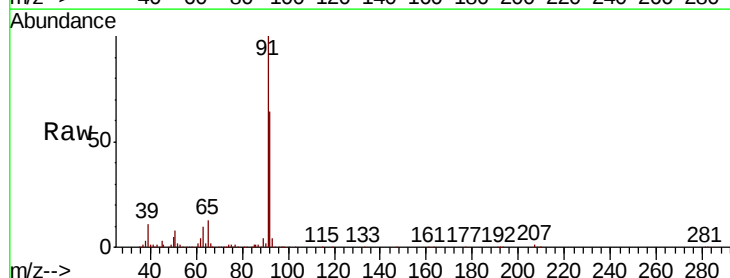
Acq: 11 Oct 2019 13:20

Tgt Ion: 92 Resp: 2046752

Ion Ratio Lower Upper

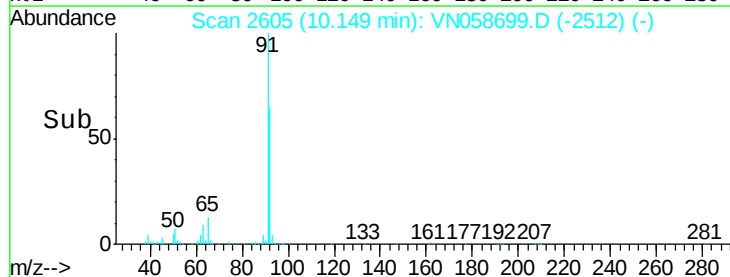
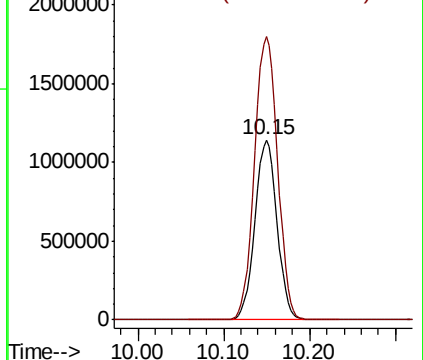
92 100

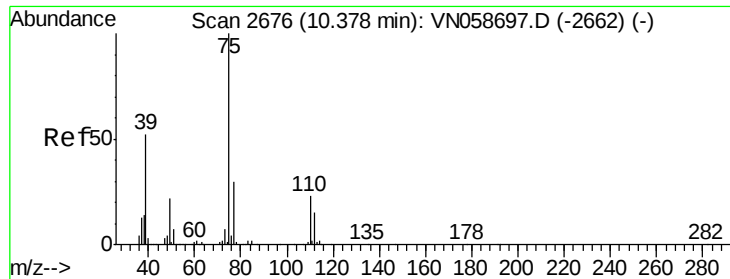
91 165.0 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





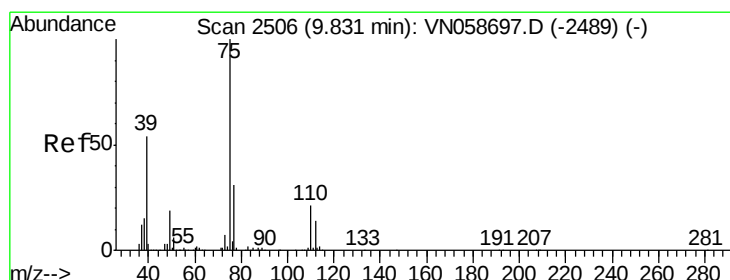
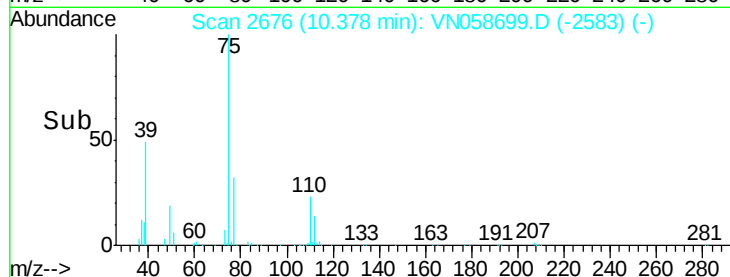
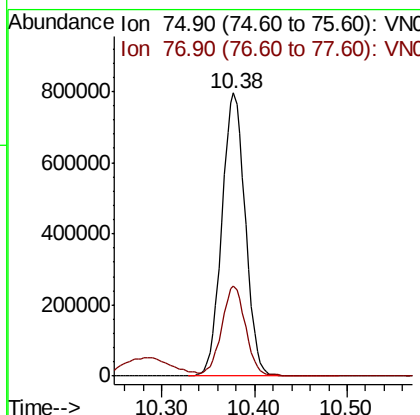
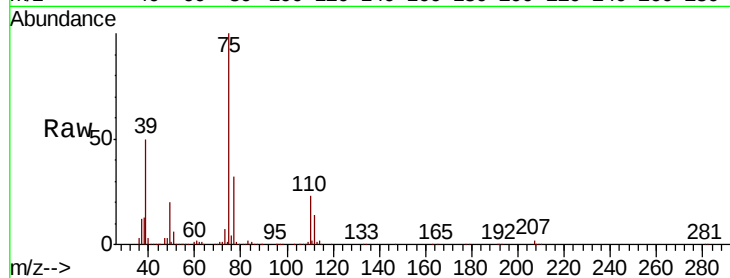
#53
t-1,3-Dichloropropene
Concen: 187.807 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1389212
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.4

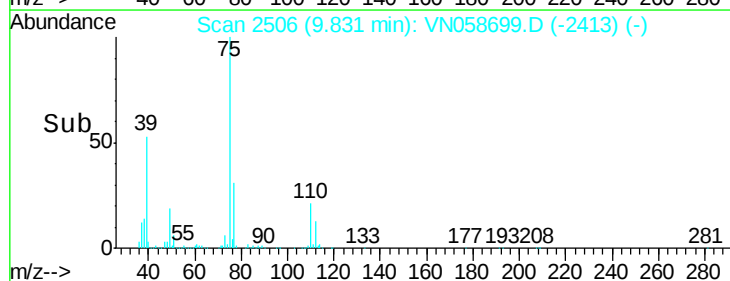
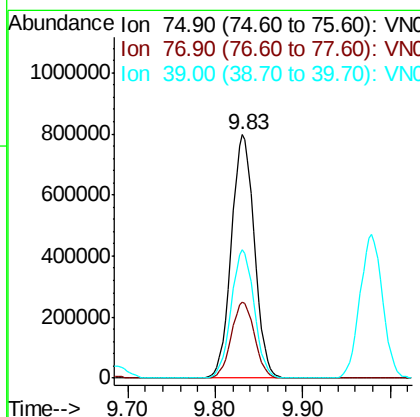
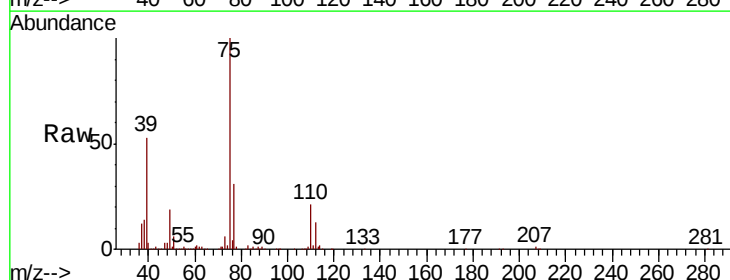
Manual Integrations
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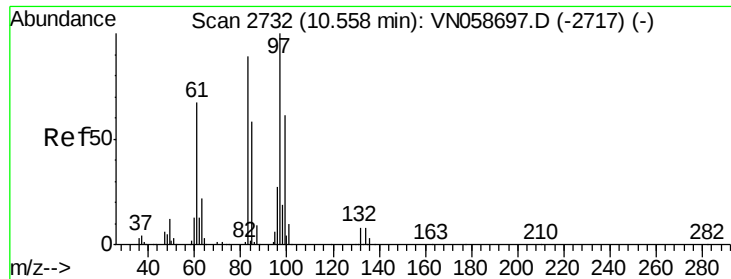
MMDadoda
10/16/2019 12:48:22 AM



#54
cis-1,3-Dichloropropene
Concen: 177.765 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion: 75 Resp: 1450895
Ion Ratio Lower Upper
75 100
77 31.4 24.4 36.6
39 52.5 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 164.694 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

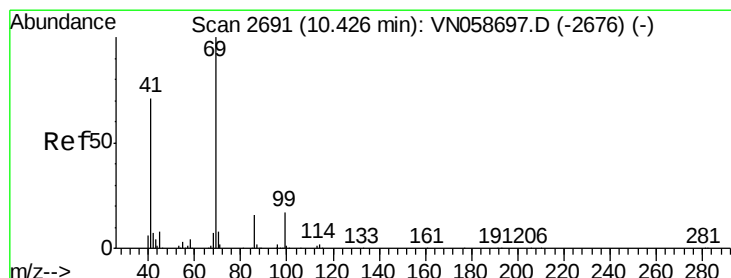
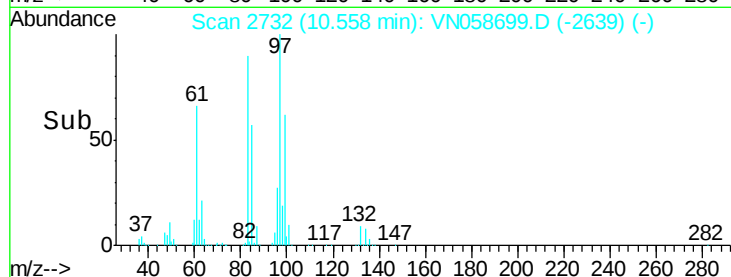
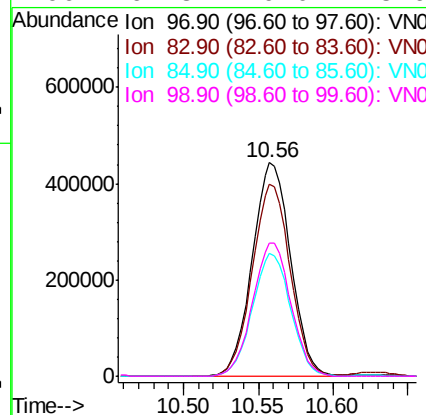
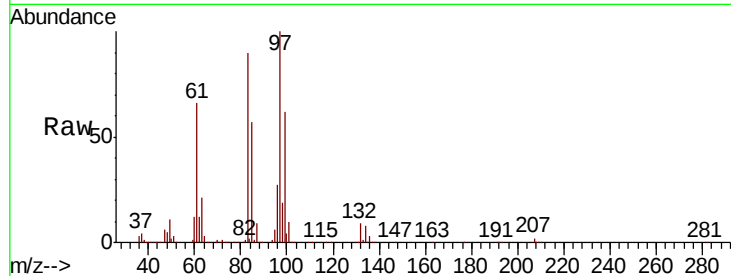
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	790039
Ion	Ratio	Lower	Upper
97	100		
83	89.7	71.2	106.8
85	57.3	46.7	70.1
99	62.3	49.0	73.6

Manual Integrations
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10/16/2019 12:48:22 AM



#56

Ethyl methacrylate

Concen: 187.944 ug/l

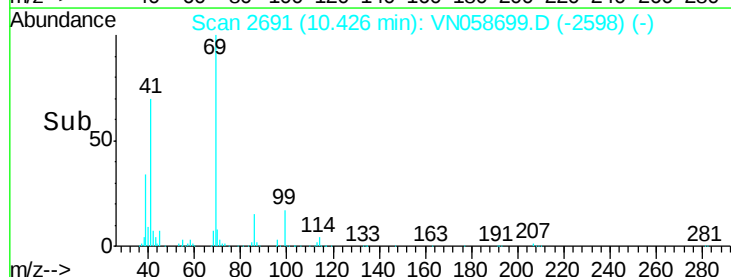
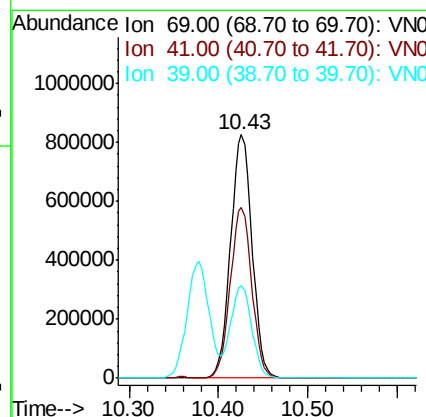
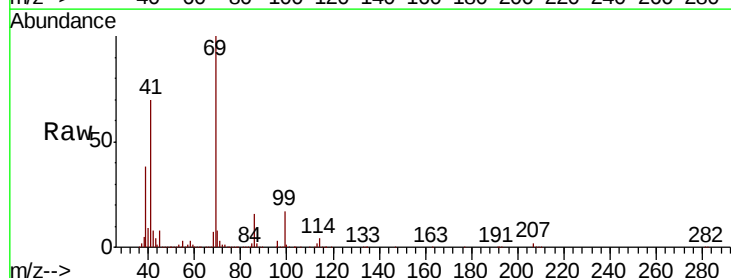
RT: 10.43 min Scan# 2691

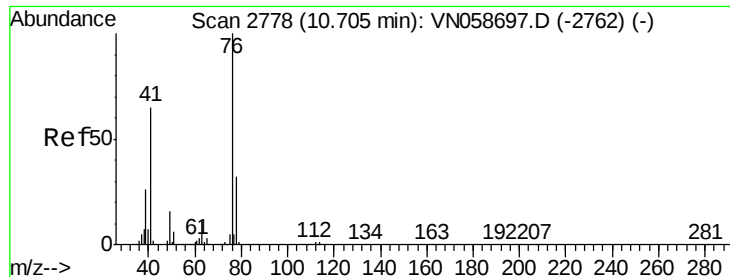
Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Tgt Ion:	69	Resp:	1377782
Ion	Ratio	Lower	Upper
69	100		
41	70.0	56.8	85.2
39	37.5	32.5	48.7





#57

1,3-Dichloropropane

Concen: 163.890 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1403162

Ion Ratio Lower Upper

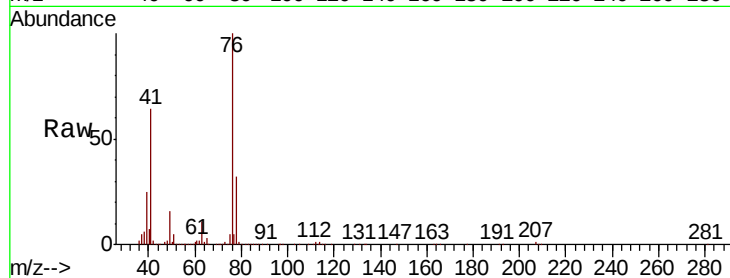
76 100

78 32.1 25.9 38.9

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

800000

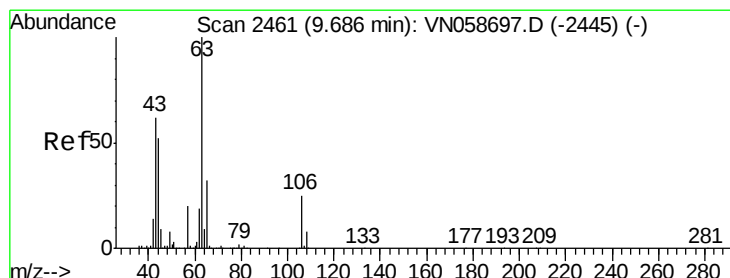
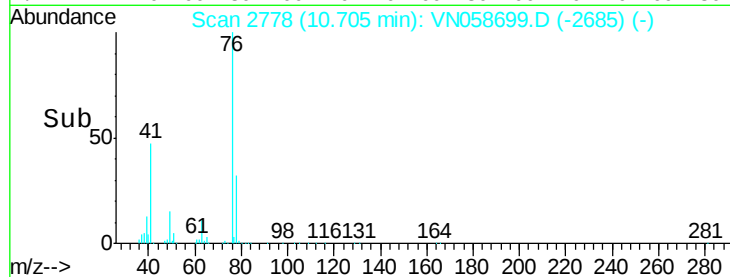
600000

400000

200000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1022.306 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058699.D

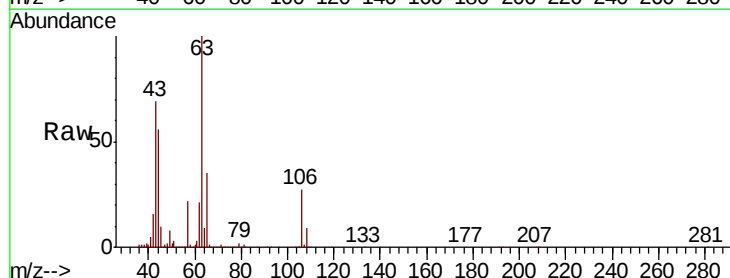
Acq: 11 Oct 2019 13:20

Tgt Ion: 63 Resp: 3101169

Ion Ratio Lower Upper

63 100

106 26.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

2000000

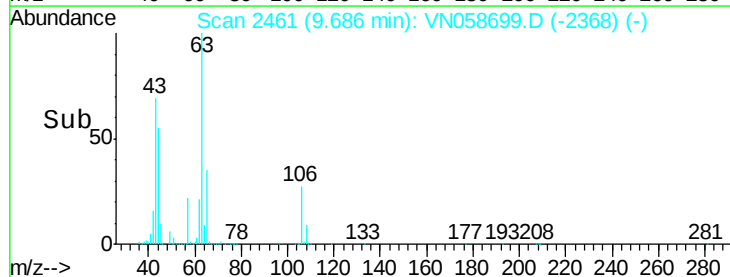
1500000

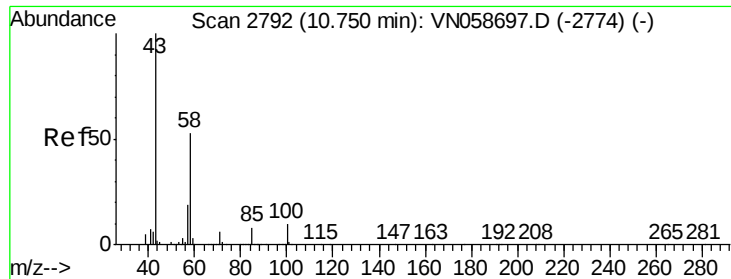
1000000

500000

0

Time-->





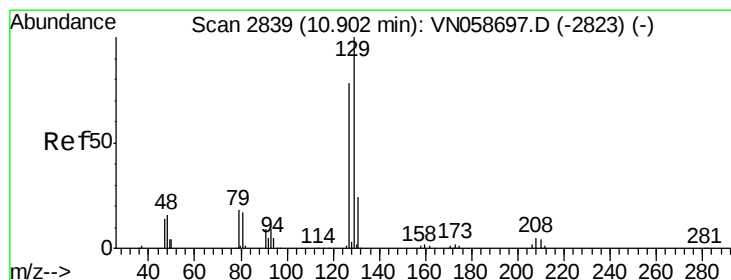
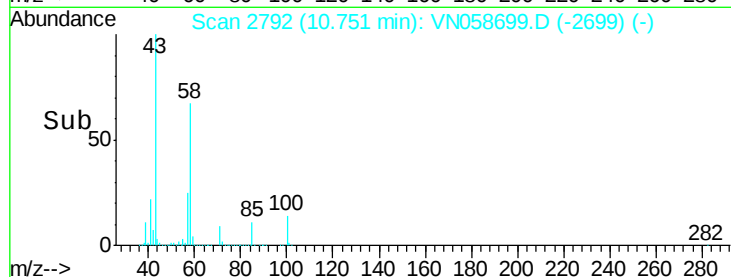
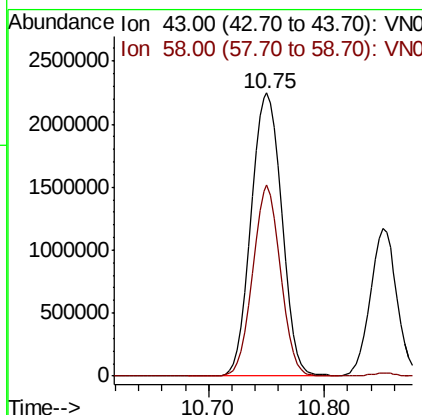
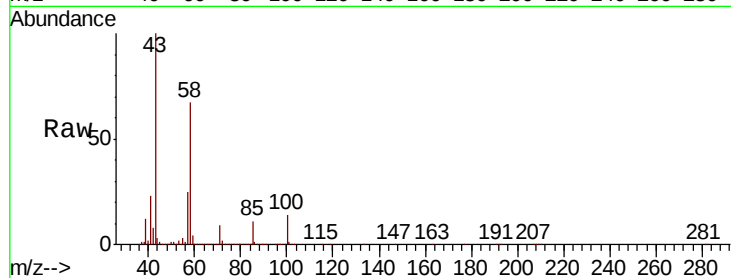
#59
2-Hexanone
Concen: 915.805 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 4161264
Ion Ratio Lower Upper
43 100
58 61.1 26.1 78.3

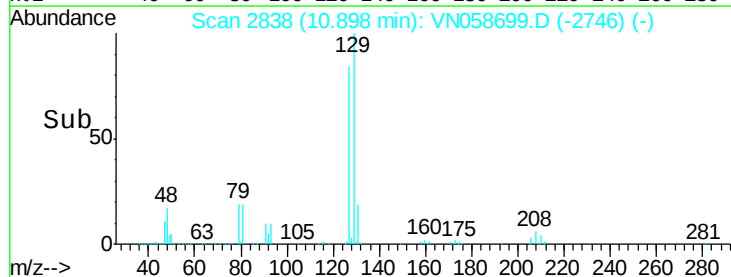
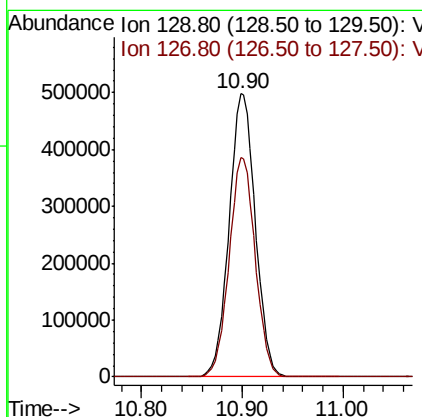
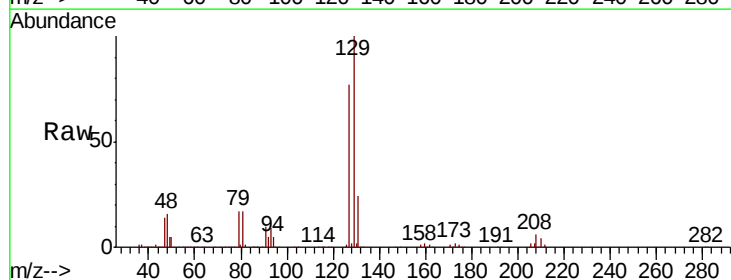
Manual Integrations
APPROVED

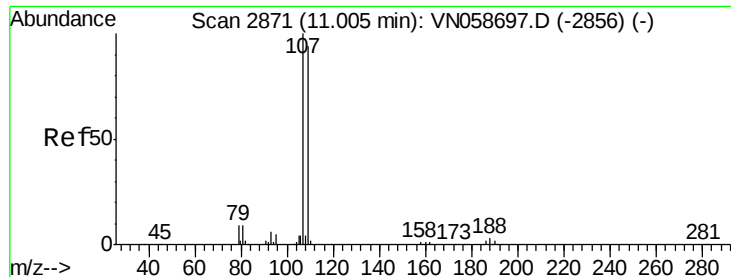
MMDadoda
10/16/2019 12:48:22 AM



#60
Dibromochloromethane
Concen: 194.294 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion: 129 Resp: 900064
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3





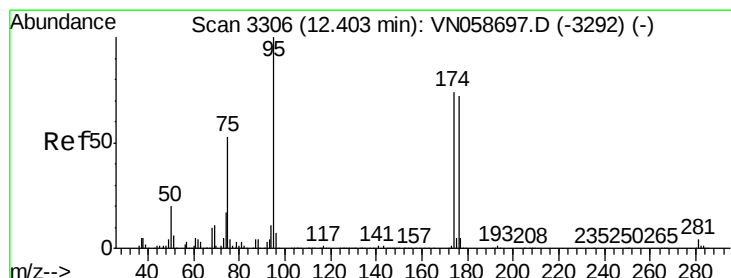
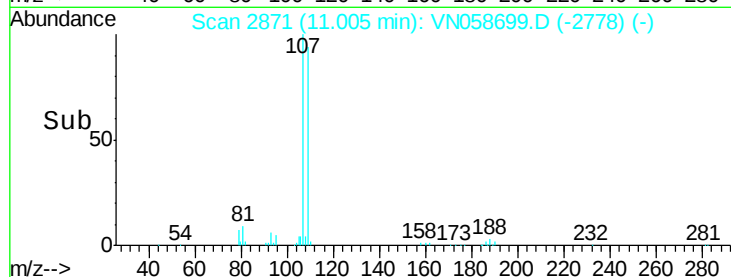
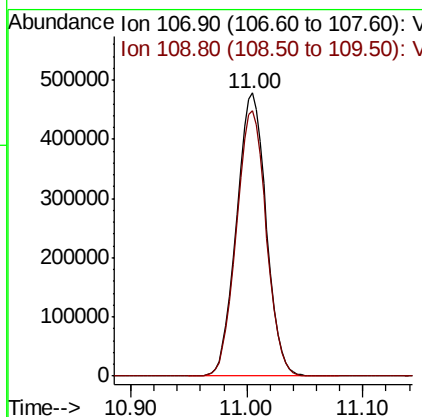
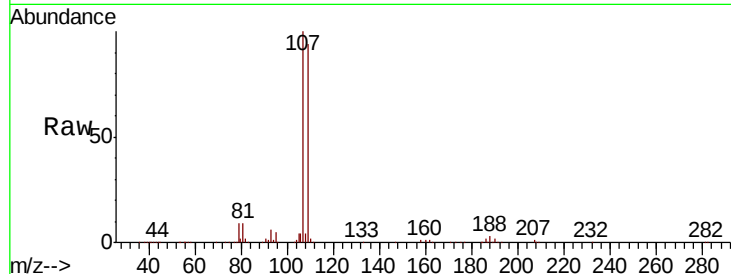
#61
 1,2-Dibromoethane
 Concen: 171.848 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058699.D
 Acq: 11 Oct 2019 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 107 Resp: 845754
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.0

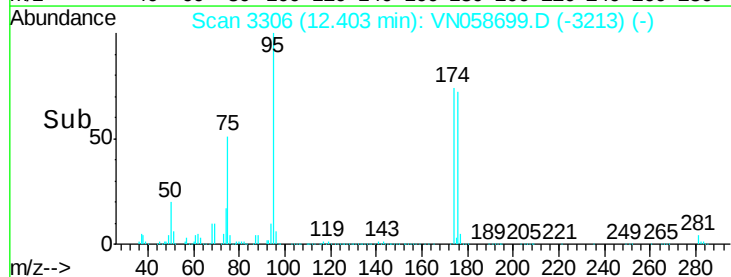
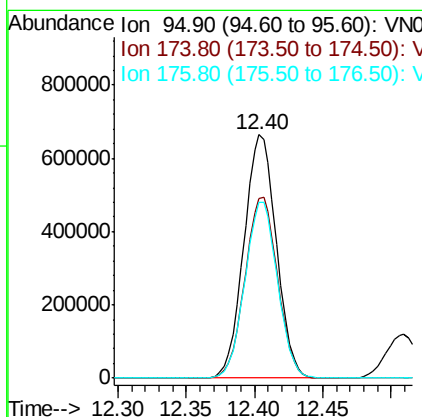
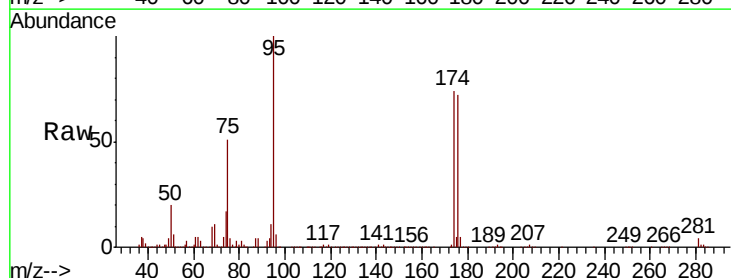
Manual Integrations
 APPROVED

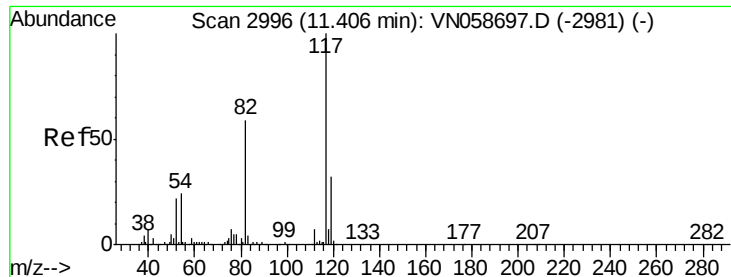
MMDadoda
 10/16/2019 12:48:22 AM



#62
 4-Bromofluorobenzene
 Concen: 165.208 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058699.D
 Acq: 11 Oct 2019 13:20

Tgt Ion: 95 Resp: 1093648
 Ion Ratio Lower Upper
 95 100
 174 75.0 0.0 150.4
 176 72.8 0.0 146.8





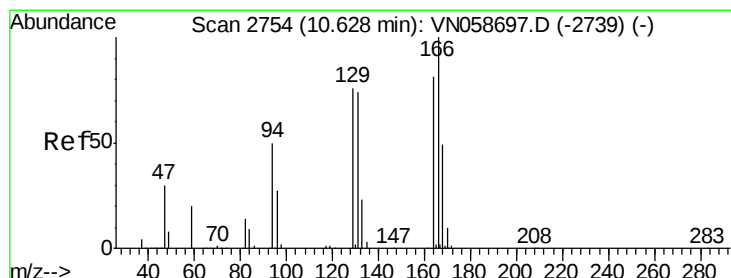
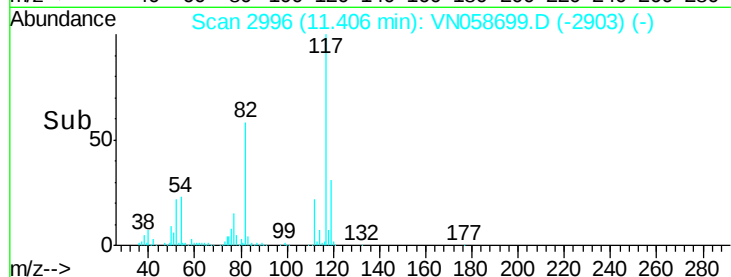
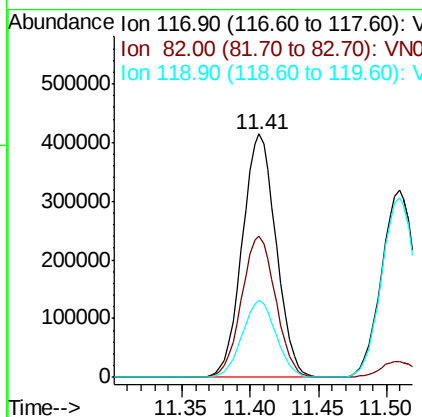
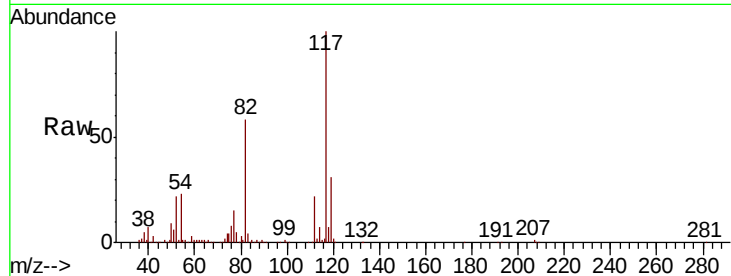
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	713129		
82	58.0		47.0	70.4
119	31.5		25.4	38.2

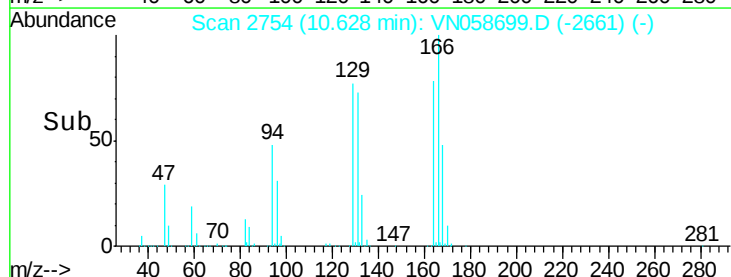
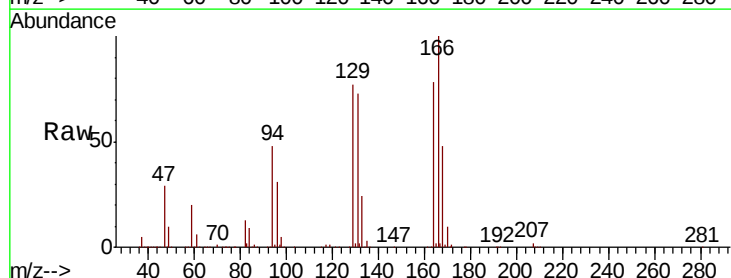
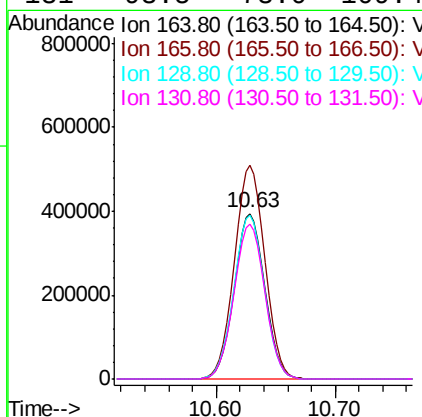
Manual Integrations
APPROVED

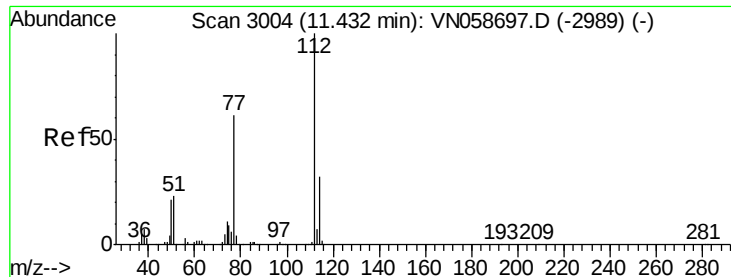
MMDadoda
10/16/2019 12:48:22 AM



#64
Tetrachloroethene
Concen: 152.379 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	698993		
166	128.9		99.3	148.9
129	99.0		75.2	112.8
131	93.5		73.0	109.4





#65

Chlorobenzene

Concen: 151.113 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 2143902

Ion Ratio Lower Upper

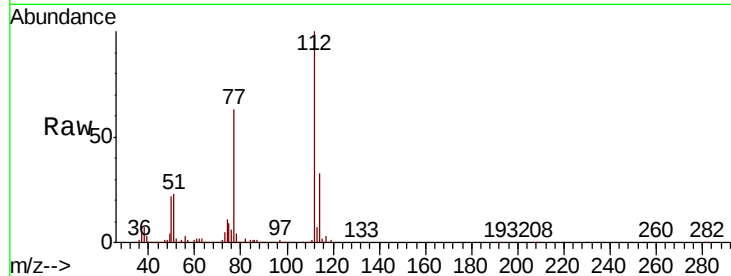
112 100

114 32.6 25.2 37.8

Manual Integrations
APPROVED

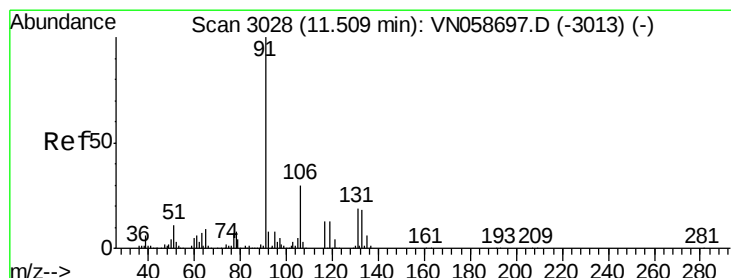
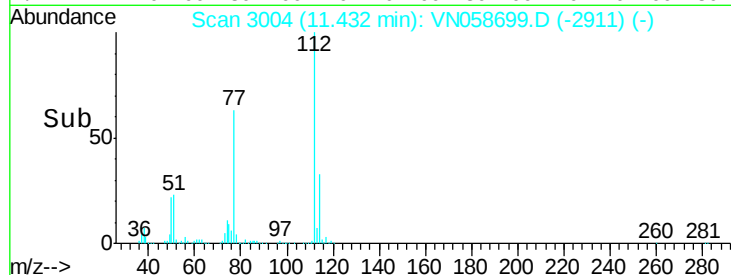
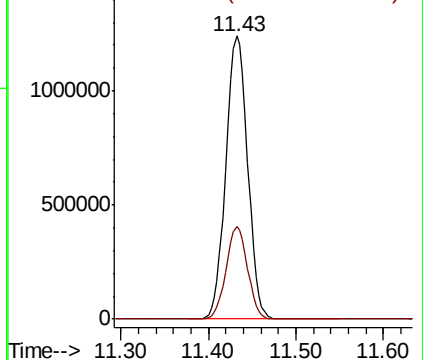
MMDadoda

10/16/2019 12:48:22 AM



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: 166.436 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

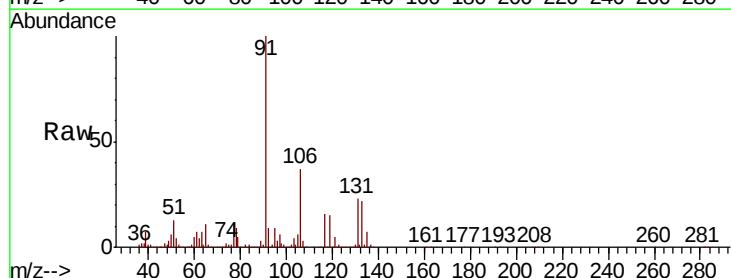
Tgt Ion:131 Resp: 803818

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.9

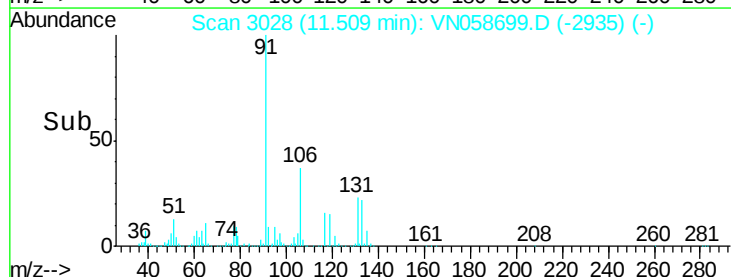
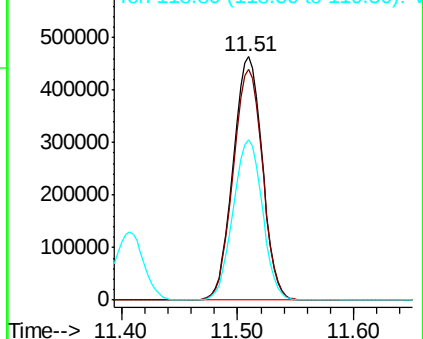
119 66.3 33.0 98.9

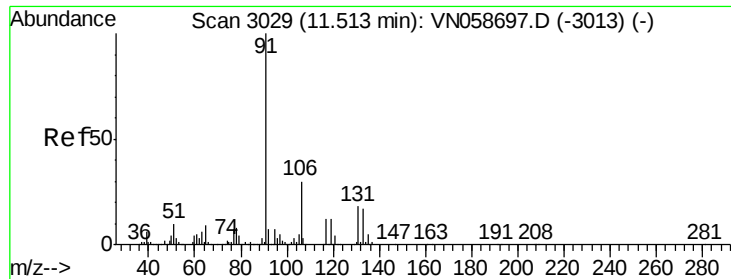


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





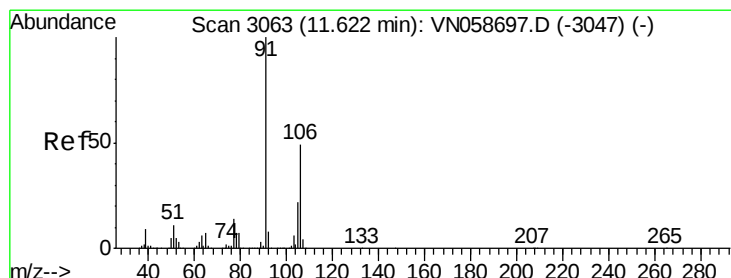
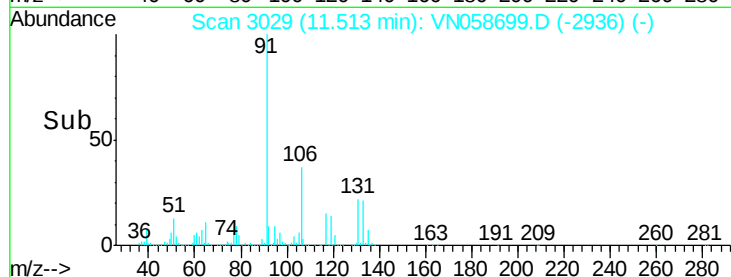
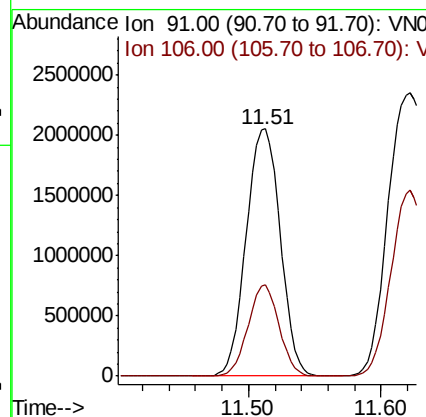
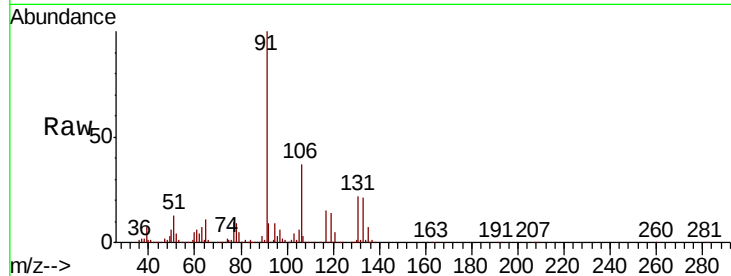
#67
Ethyl Benzene
Concen: 142.456 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3666516
Ion Ratio Lower Upper
91 100
106 36.9 24.1 36.1#

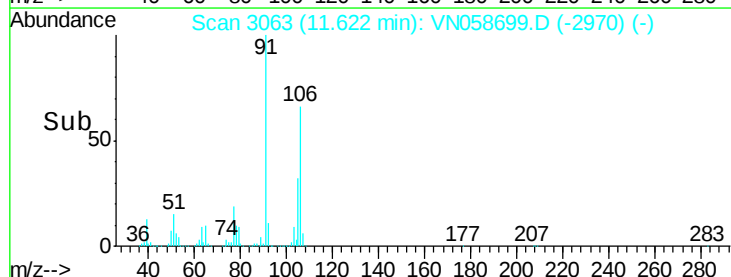
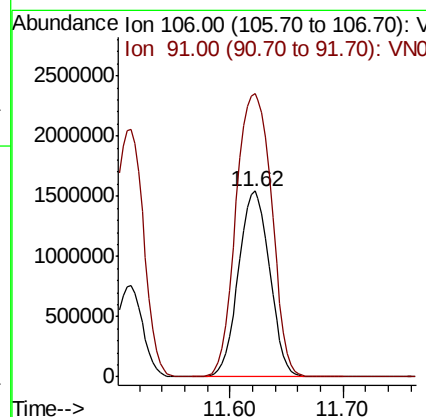
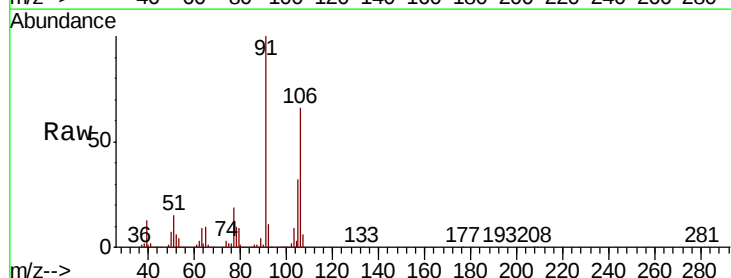
Manual Integrations
APPROVED

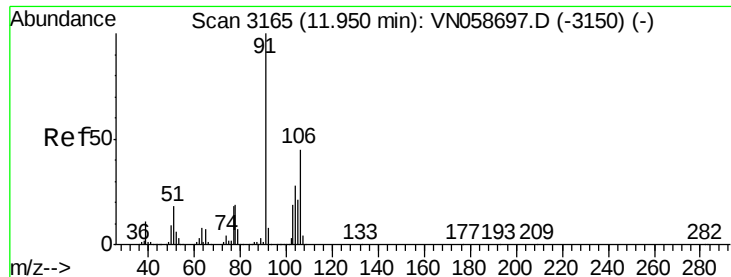
MMDadoda
10/16/2019 12:48:22 AM



#68
m/p-Xylenes
Concen: 306.667 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion: 106 Resp: 2969927
Ion Ratio Lower Upper
106 100
91 174.0 165.7 248.5





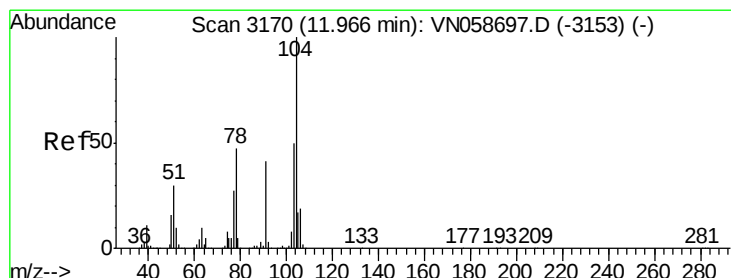
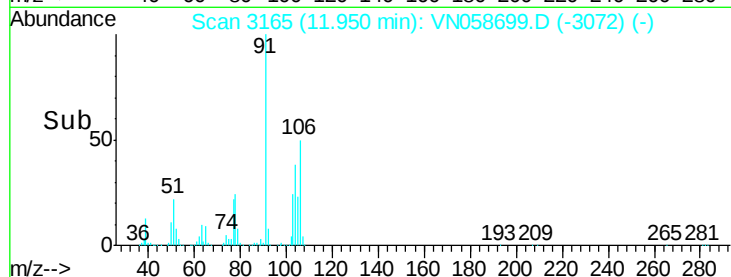
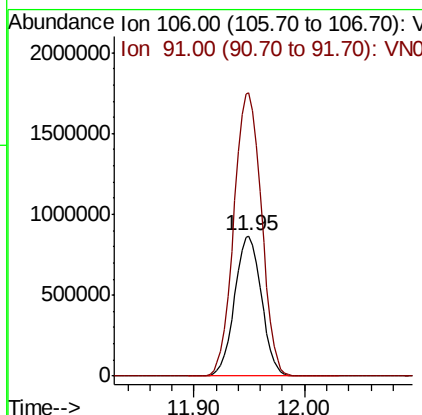
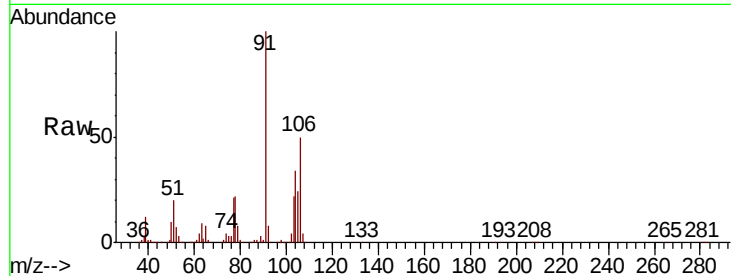
#69
o-Xylene
Concen: 156.929 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1458859
Ion Ratio Lower Upper
106 100
91 208.0 110.9 332.9

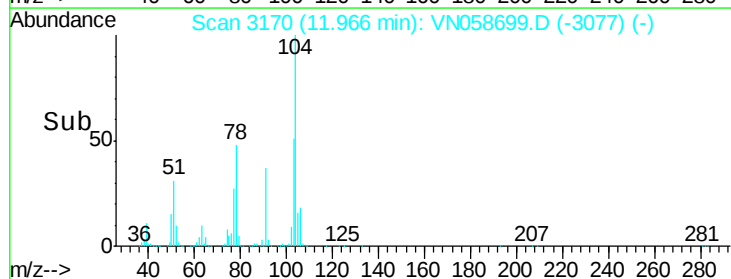
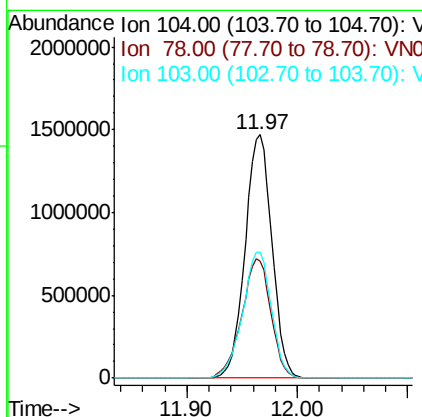
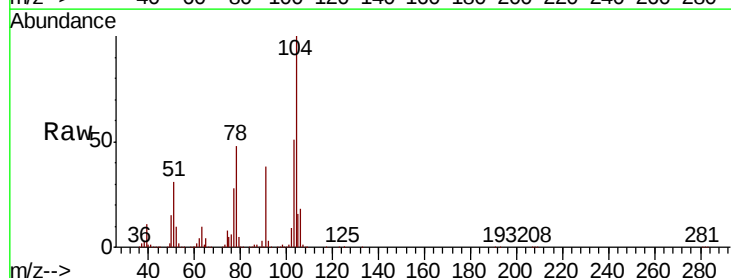
Manual Integrations
APPROVED

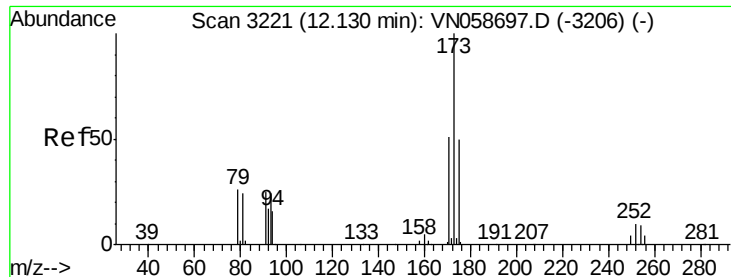
MMDadoda
10/16/2019 12:48:22 AM



#70
Styrene
Concen: 163.794 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion:104 Resp: 2473868
Ion Ratio Lower Upper
104 100
78 53.3 42.2 63.2
103 55.5 43.7 65.5





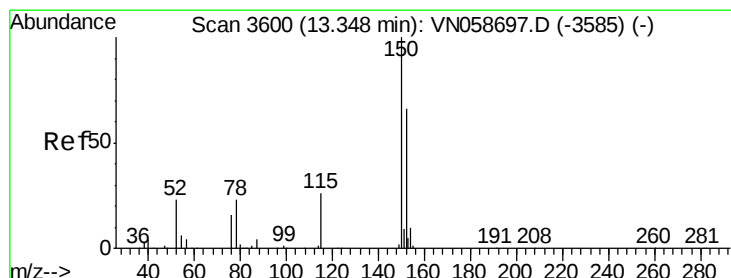
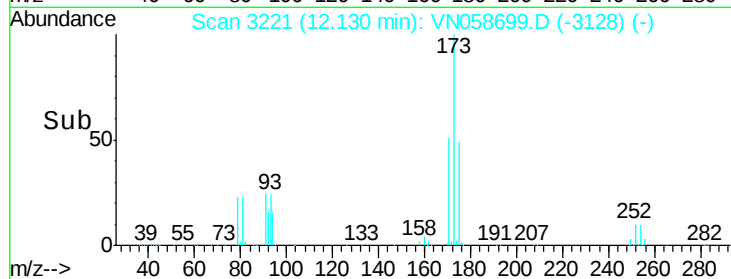
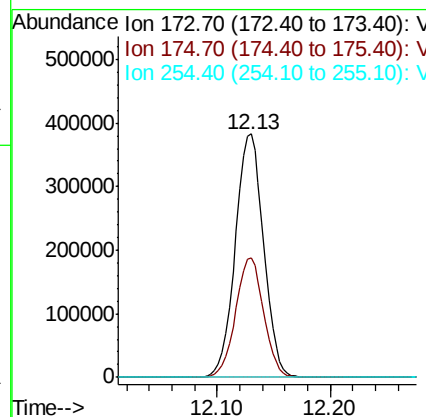
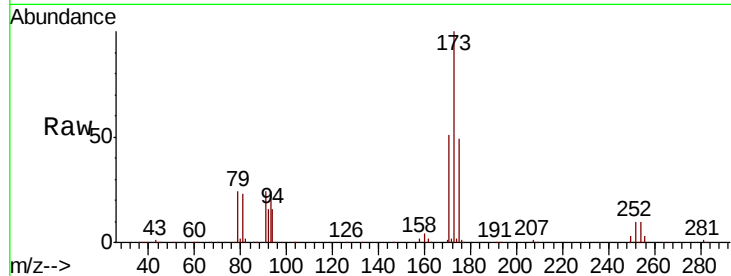
#71
Bromoform
Concen: 215.386 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	73.8
254	0.2	0.1	0.1#

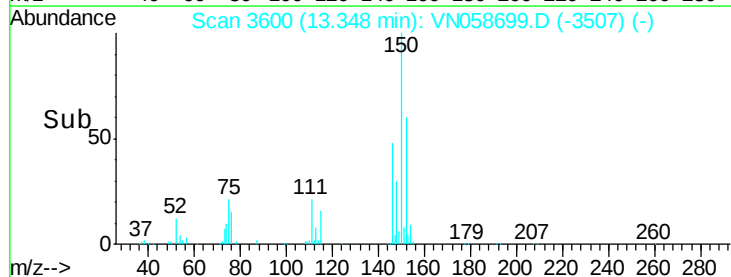
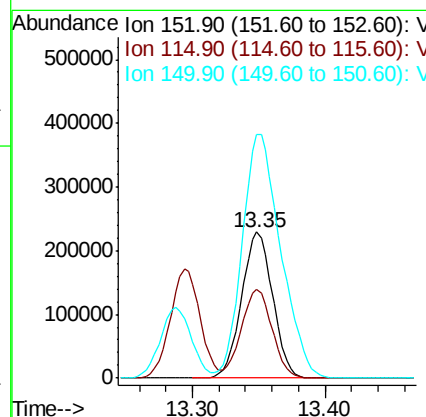
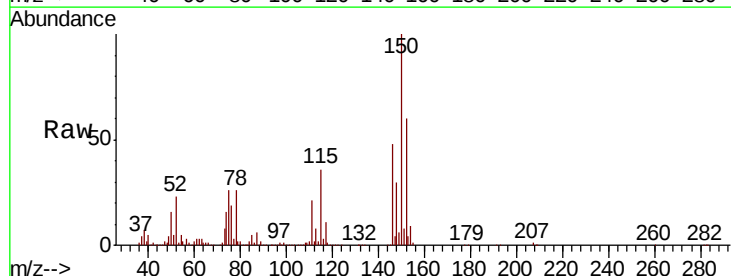
Manual Integrations
APPROVED

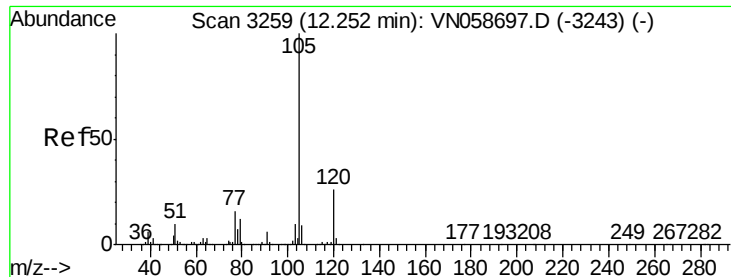
MMDadoda
10/16/2019 12:48:22 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.4	91.2
150	206.6	0.0	345.4





#73

Isopropylbenzene

Concen: 132.124 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3616243

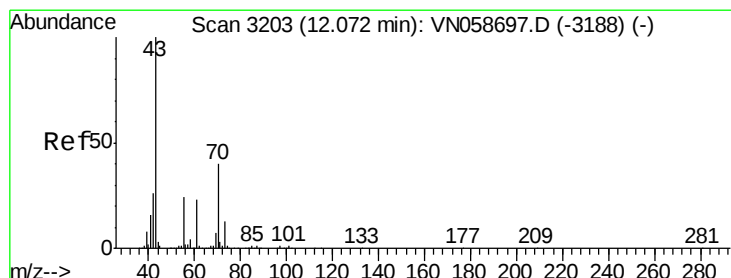
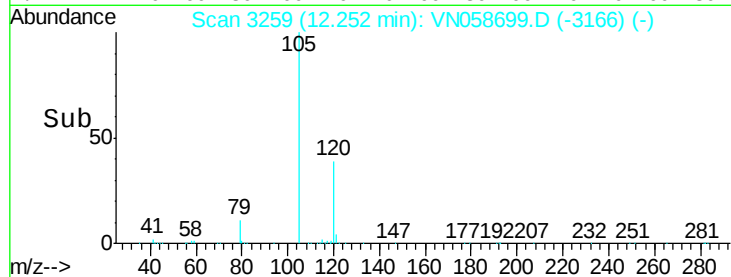
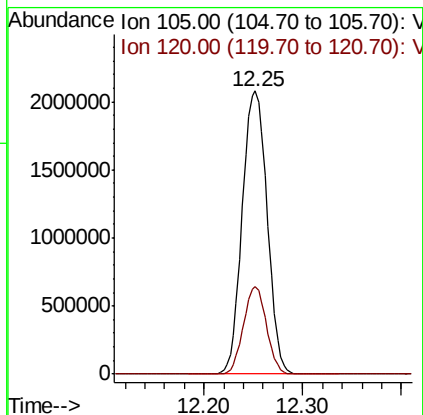
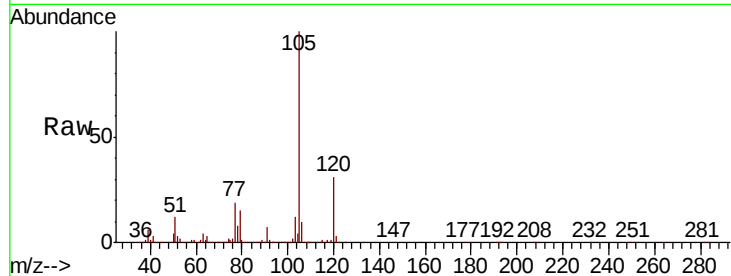
Ion Ratio Lower Upper

105 100

120 28.6 13.1 39.1

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:22 AM



#74

N-ethyl acetate

Concen: 173.894 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Tgt Ion: 43 Resp: 1930948

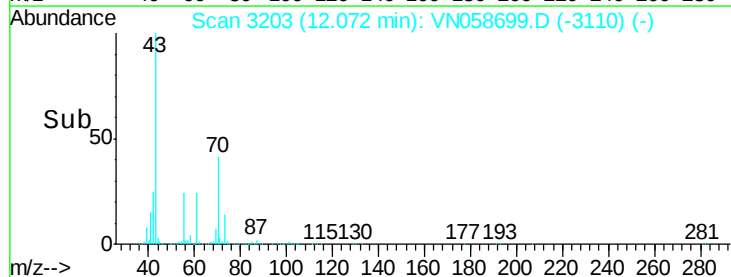
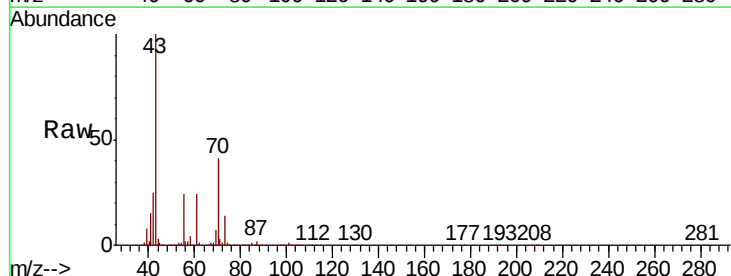
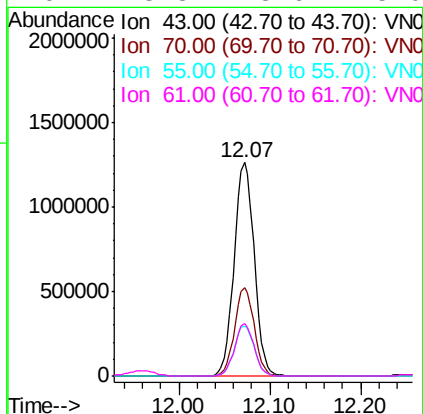
Ion Ratio Lower Upper

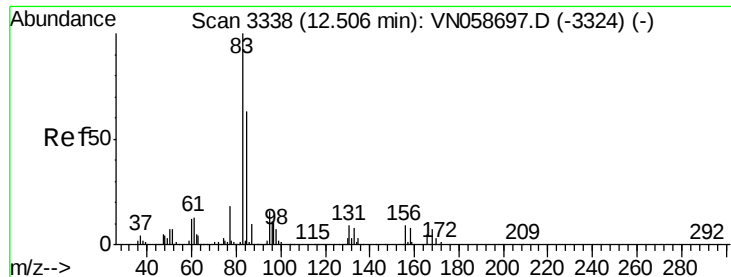
43 100

70 40.6 32.2 48.4

55 23.7 19.6 29.4

61 23.8 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 155.418 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1280988

Ion Ratio Lower Upper

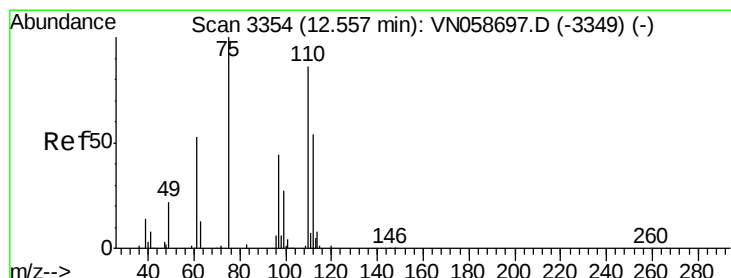
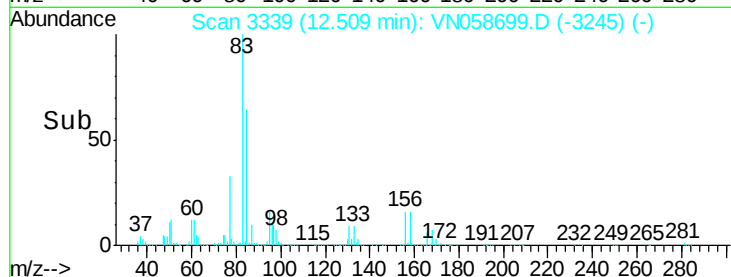
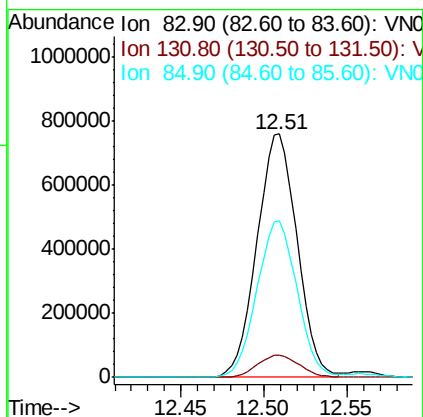
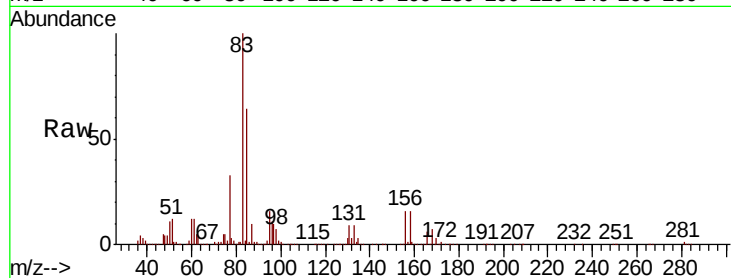
83 100

131 9.7 4.8 14.4

85 64.3 31.9 95.5

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#76

1,2,3-Trichloropropane

Concen: 167.053 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058699.D

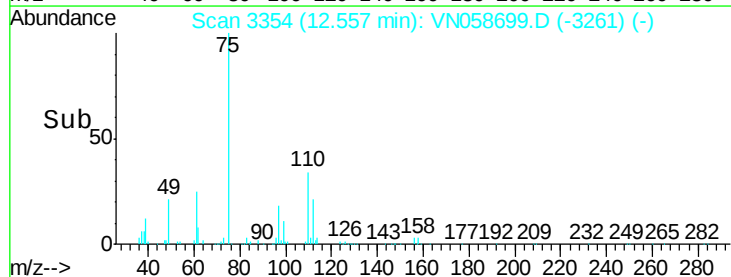
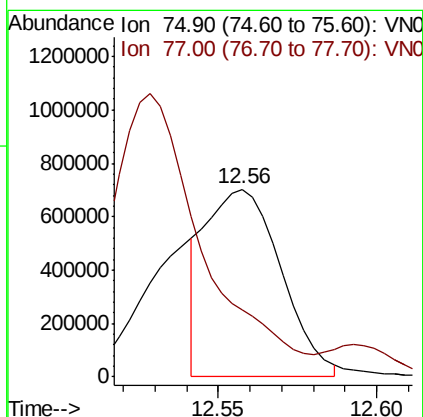
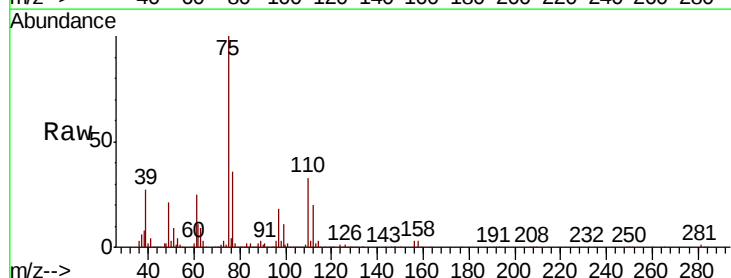
Acq: 11 Oct 2019 13:20

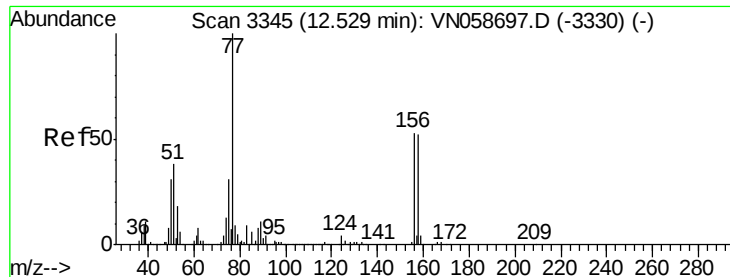
Tgt Ion: 75 Resp: 1157613

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 146.490 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 943162

Ion Ratio Lower Upper

156 100

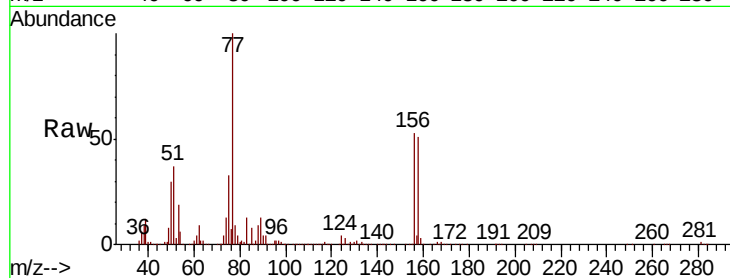
77 229.7 115.8 347.3

158 96.9 48.9 146.6

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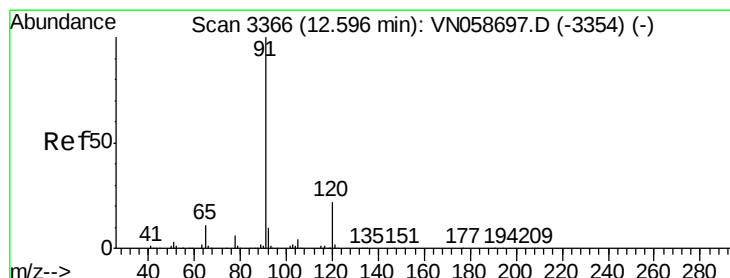
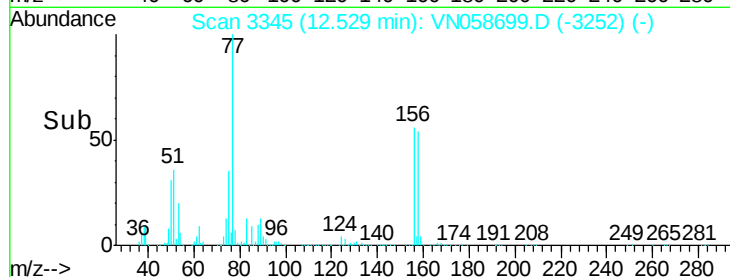
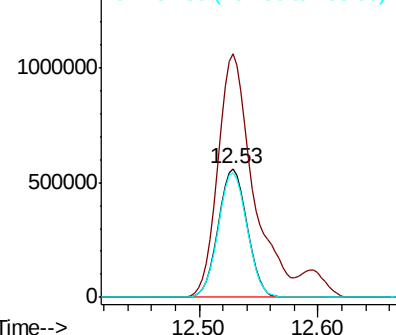
10/16/2019 12:48:22 AM



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



#78

n-propylbenzene

Concen: 132.713 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058699.D

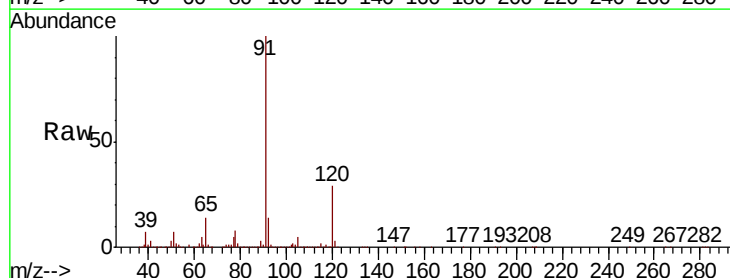
Acq: 11 Oct 2019 13:20

Tgt Ion: 91 Resp: 4109404

Ion Ratio Lower Upper

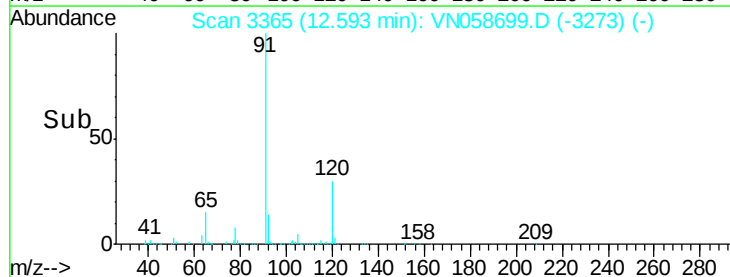
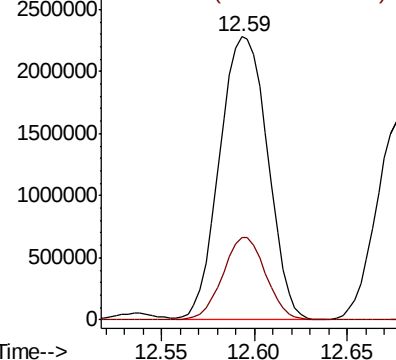
91 100

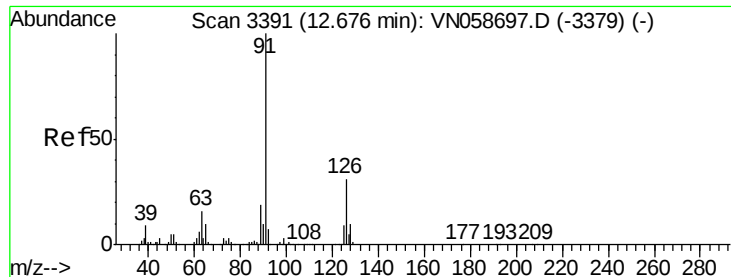
120 26.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





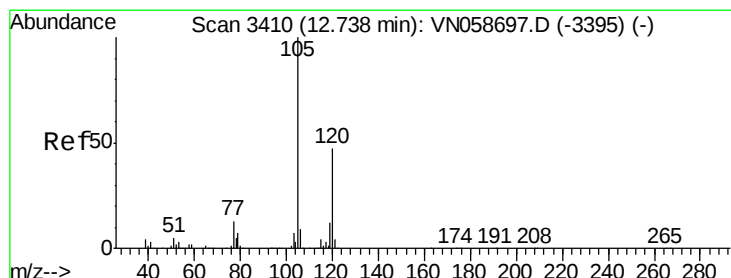
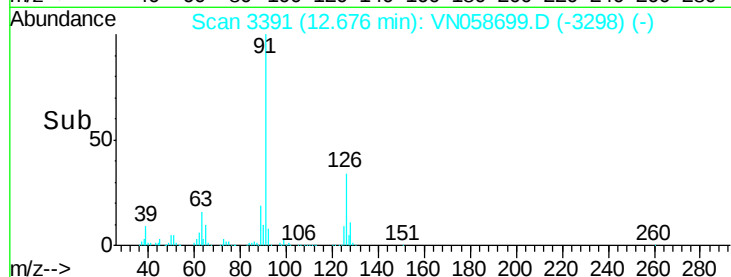
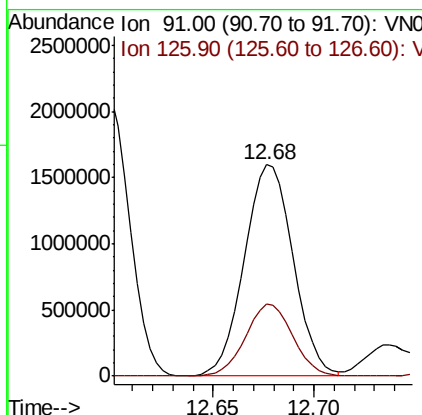
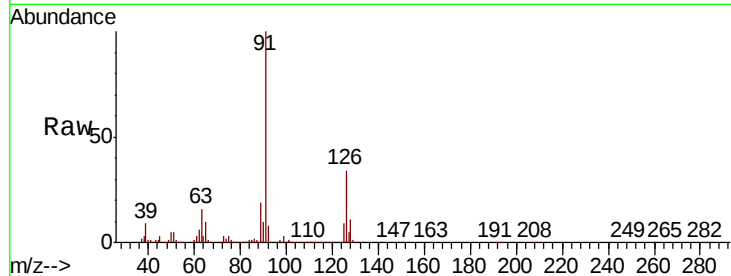
#79
2-Chlorotoluene
Concen: 142.120 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2713798
Ion Ratio Lower Upper
91 100
126 33.2 16.2 48.5

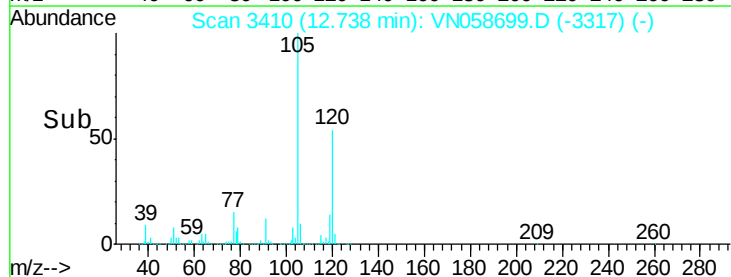
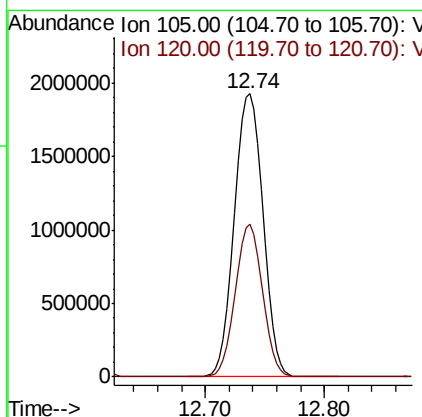
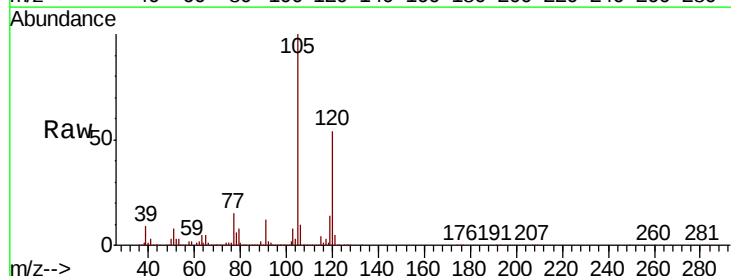
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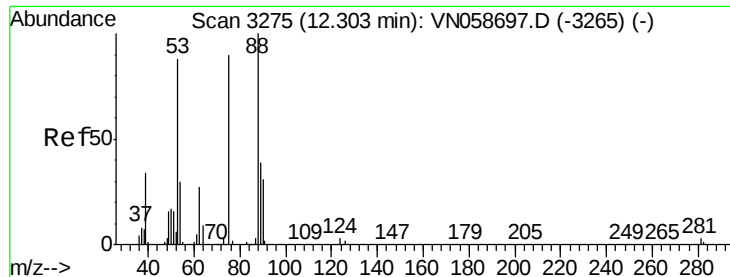
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#80
1,3,5-Trimethylbenzene
Concen: 140.406 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion: 105 Resp: 3226622
Ion Ratio Lower Upper
105 100
120 51.1 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 207.447 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 492735

Ion Ratio Lower Upper

75 100

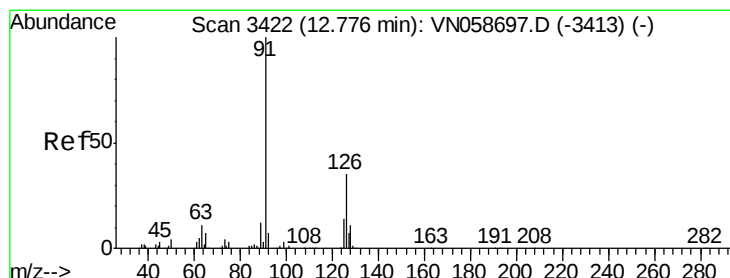
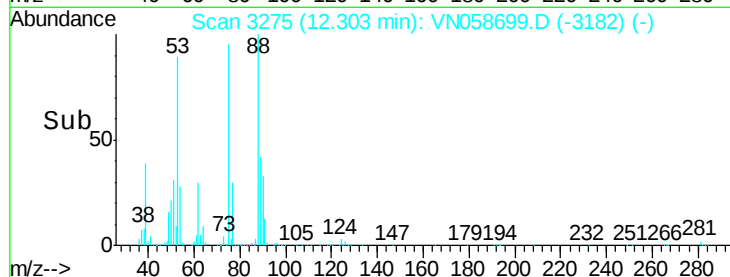
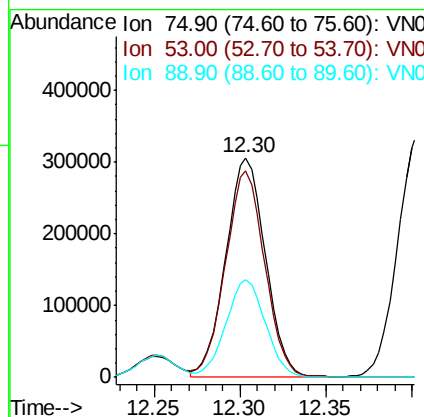
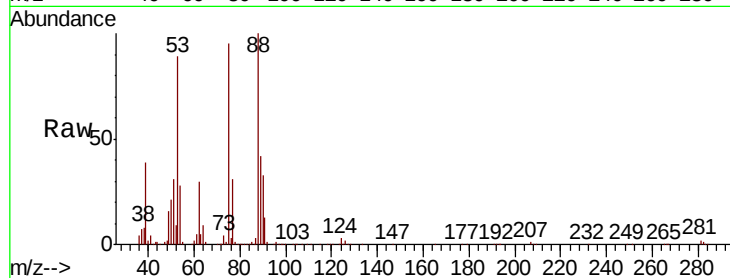
53 93.5 78.4 117.6

89 44.1 34.9 52.3

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#82

4-Chlorotoluene

Concen: 146.412 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058699.D

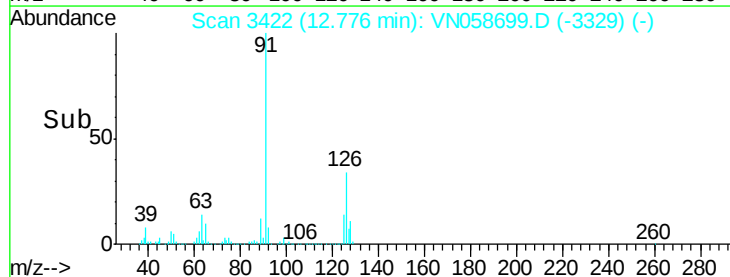
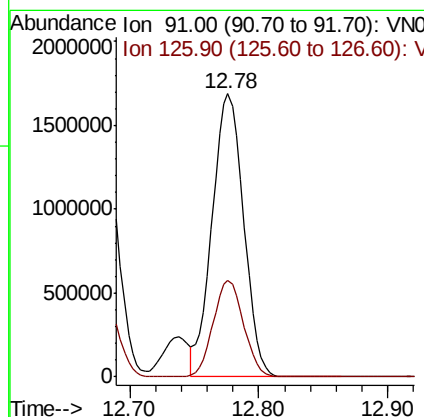
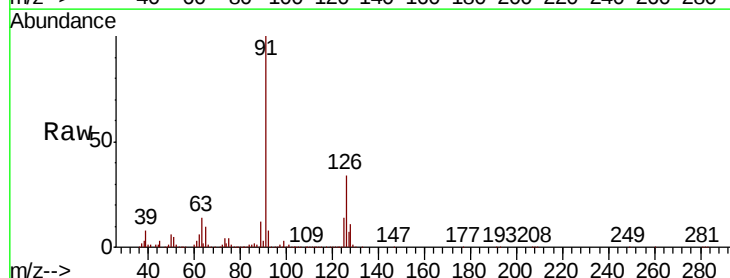
Acq: 11 Oct 2019 13:20

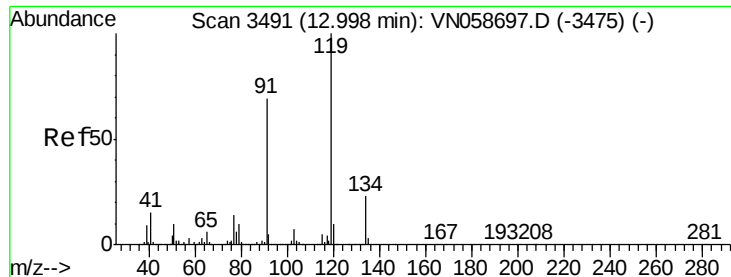
Tgt Ion: 91 Resp: 2860128

Ion Ratio Lower Upper

91 100

126 32.9 15.9 47.6





#83

tert-Butylbenzene

Concen: 146.338 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 2837934

Ion Ratio Lower Upper

119 100

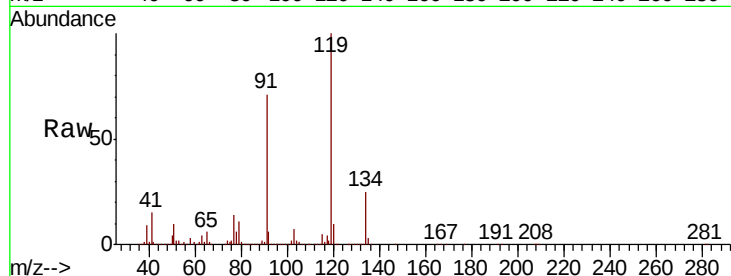
91 68.7 33.8 101.3

134 26.0 12.6 37.6

Manual Integrations
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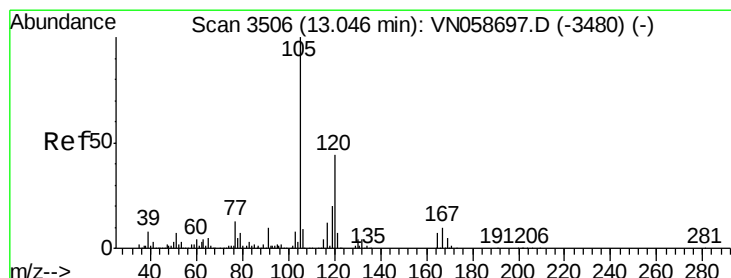
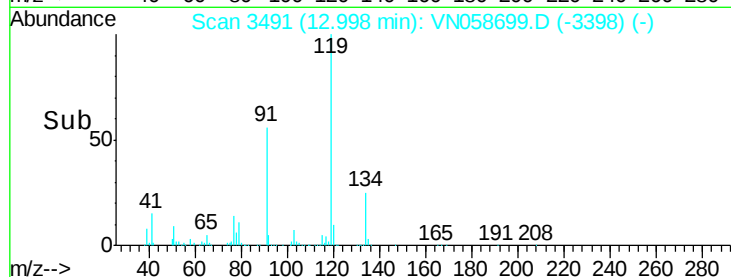
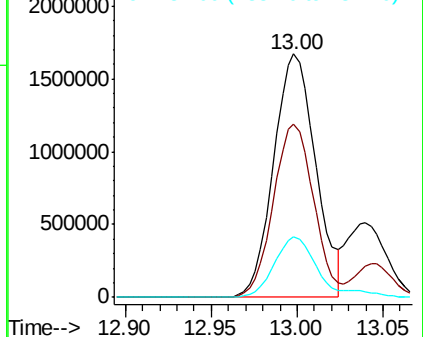
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 140.680 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN058699.D

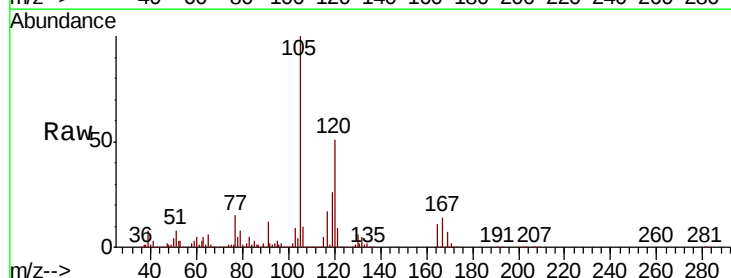
Acq: 11 Oct 2019 13:20

Tgt Ion:105 Resp: 3238902

Ion Ratio Lower Upper

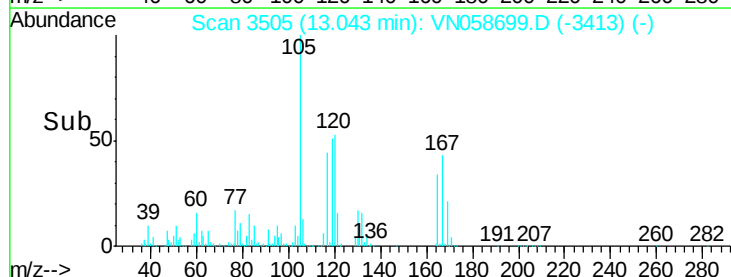
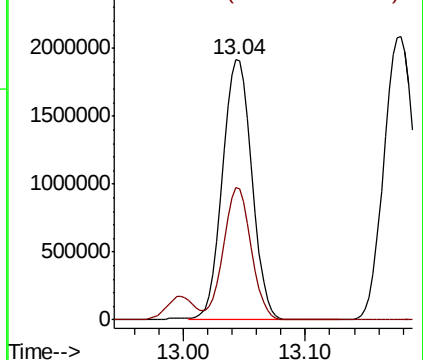
105 100

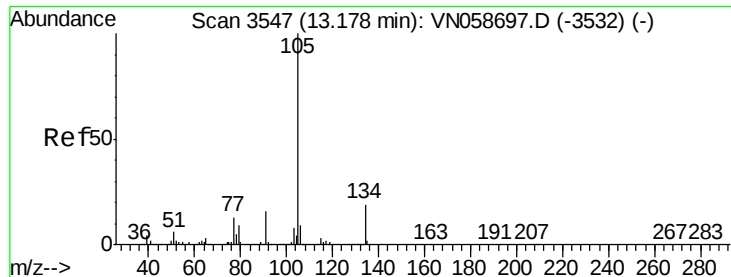
120 48.0 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





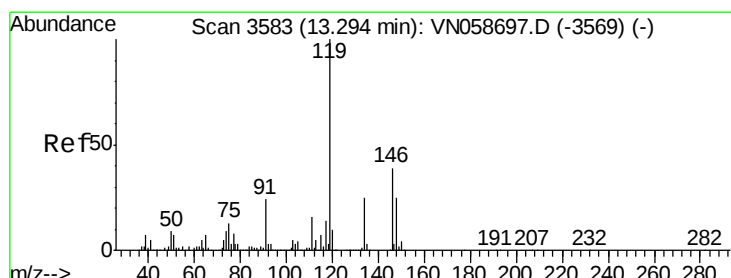
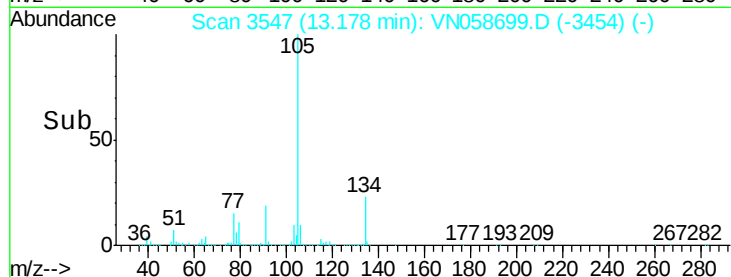
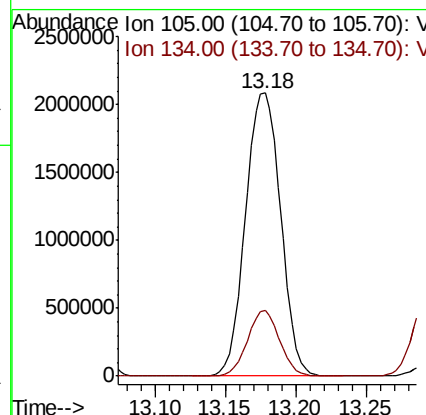
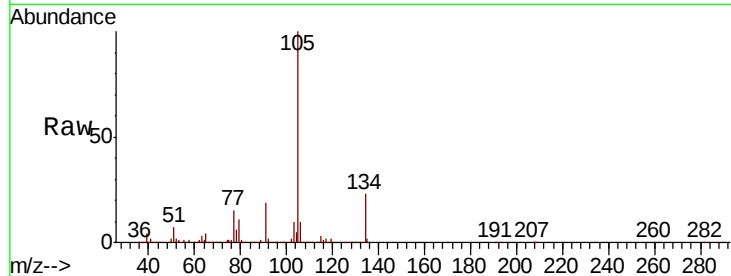
#85
 sec-Butylbenzene
 Concen: 142.083 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058699.D
 Acq: 11 Oct 2019 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 3638736
 Ion Ratio Lower Upper
 105 100
 134 21.2 9.7 29.1

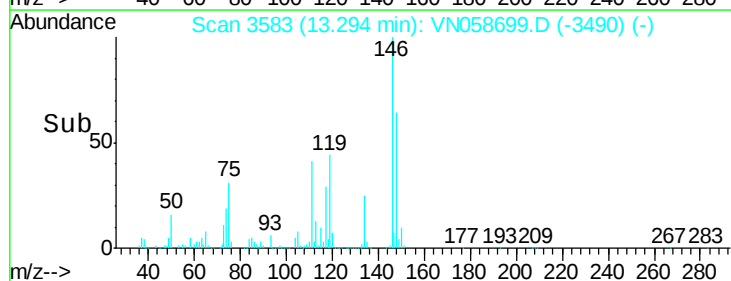
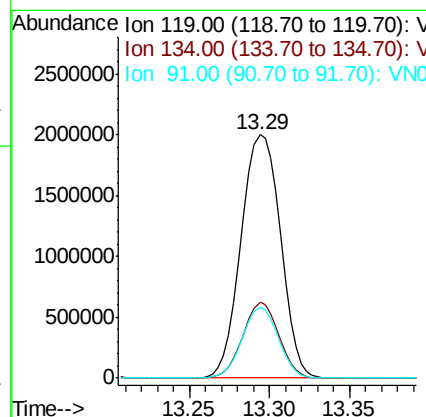
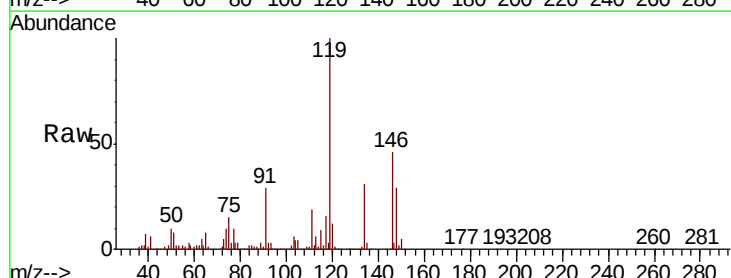
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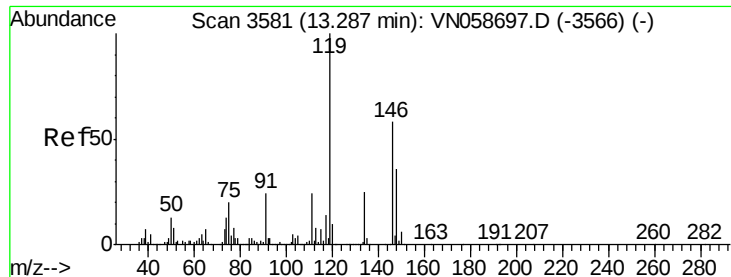
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#86
 p-Isopropyltoluene
 Concen: 148.193 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058699.D
 Acq: 11 Oct 2019 13:20

Tgt Ion:119 Resp: 3355690
 Ion Ratio Lower Upper
 119 100
 134 28.5 12.7 38.1
 91 26.6 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 152.050 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058699.D

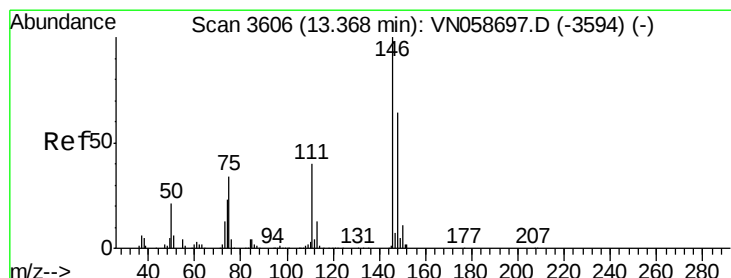
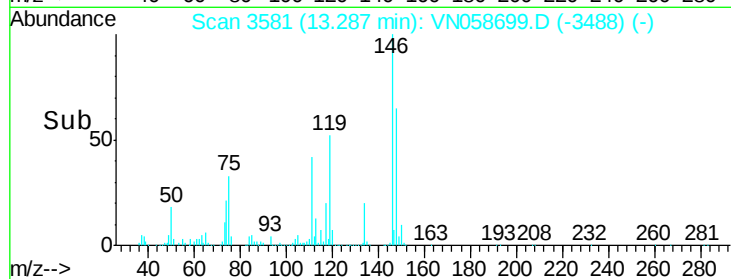
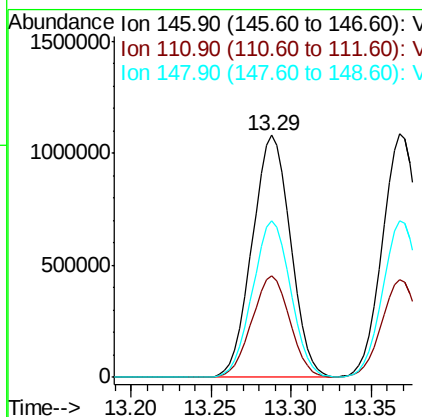
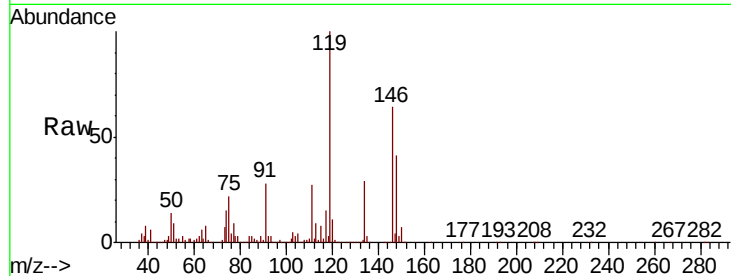
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.6
148	64.1	31.3	93.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 152.297 ug/l

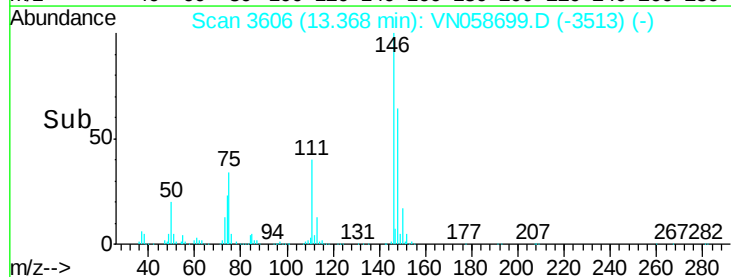
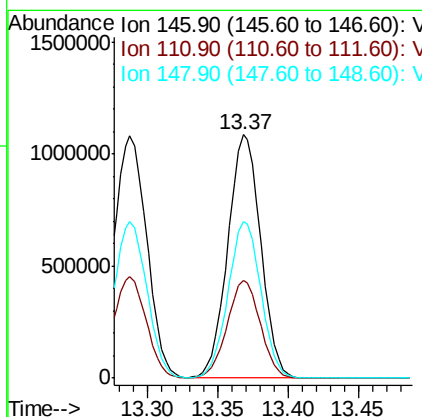
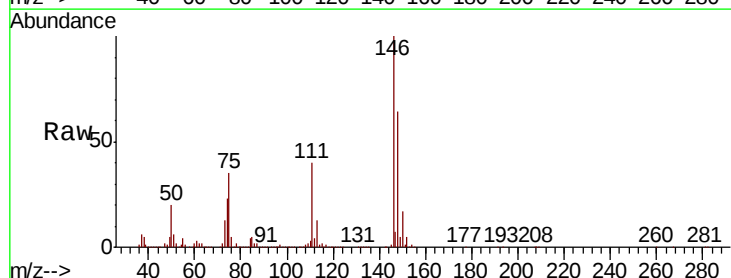
RT: 13.37 min Scan# 3606

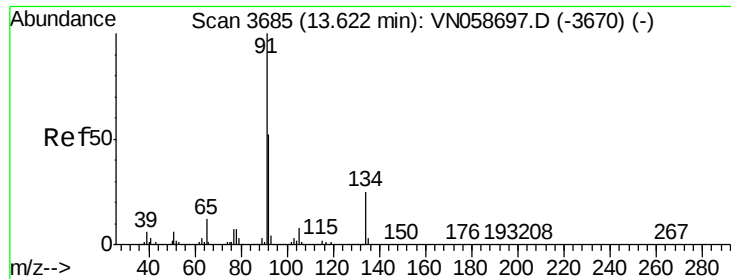
Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.1	60.2
148	64.2	31.9	95.7





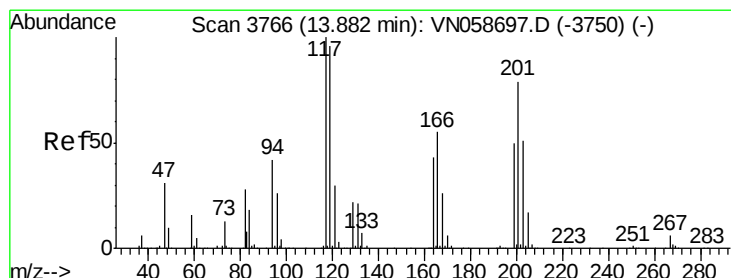
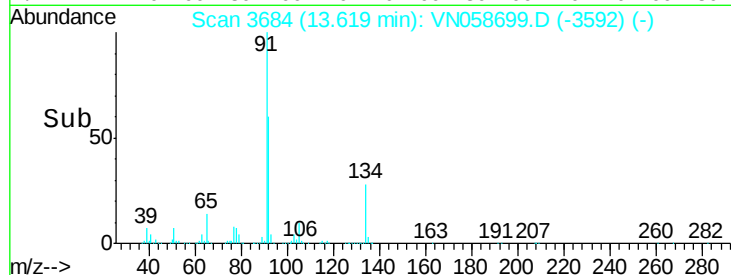
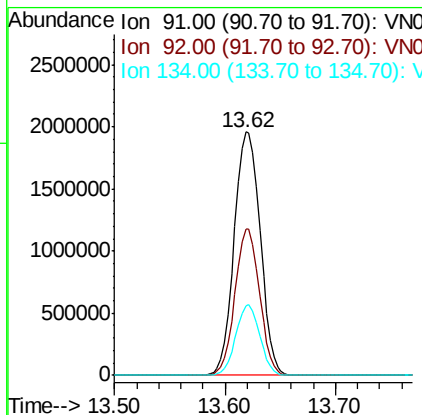
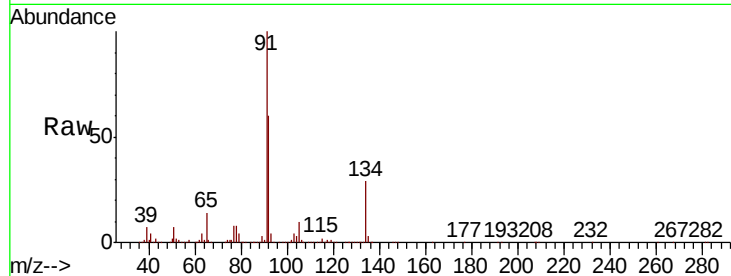
#89
n-Butylbenzene
Concen: 155.403 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3206884
Ion Ratio Lower Upper
91 100
92 56.7 26.0 78.0
134 26.9 12.2 36.6

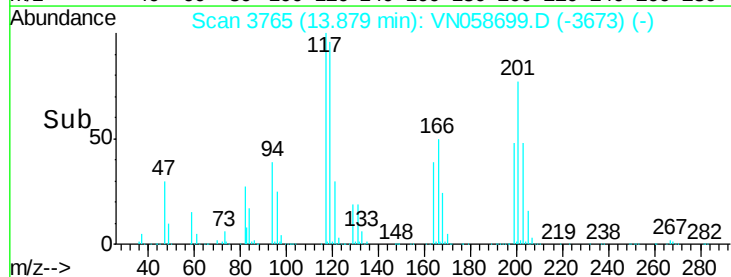
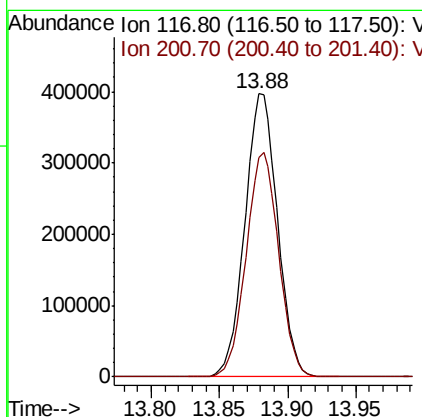
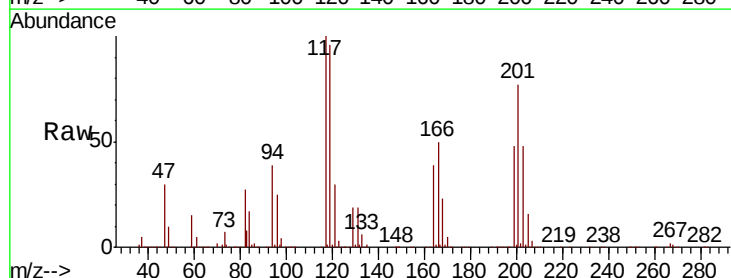
Manual Integrations
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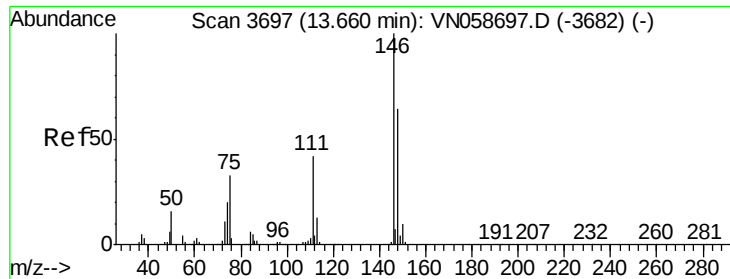
MMDadoda
10/16/2019 12:48:22 AM



#90
Hexachloroethane
Concen: 189.477 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058699.D
Acq: 11 Oct 2019 13:20

Tgt Ion: 117 Resp: 659304
Ion Ratio Lower Upper
117 100
201 79.1 39.6 118.7





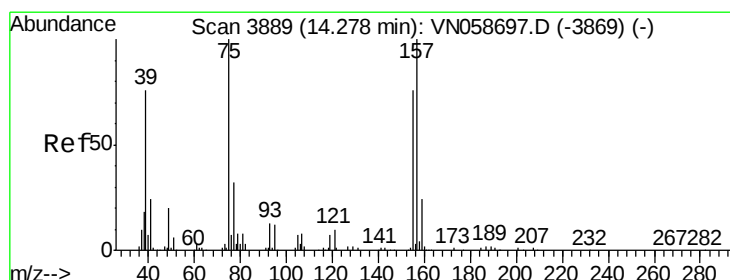
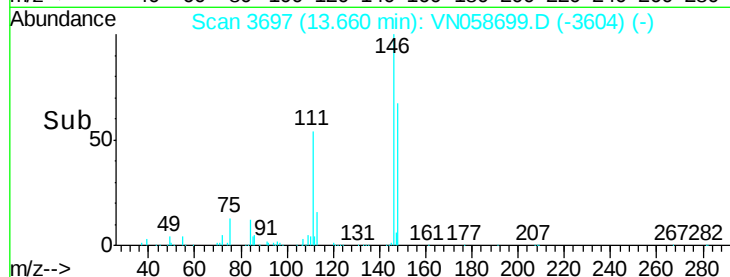
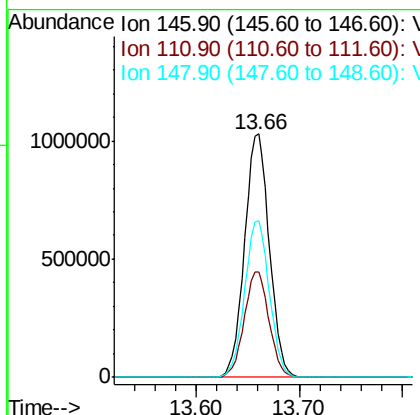
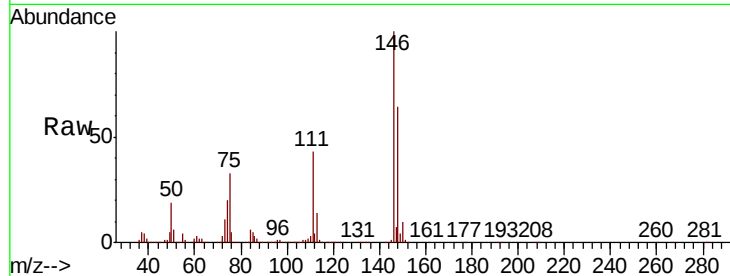
#91
 1,2-Dichlorobenzene
 Concen: 151.817 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058699.D
 Acq: 11 Oct 2019 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.1	63.4
148	64.2	31.8	95.3

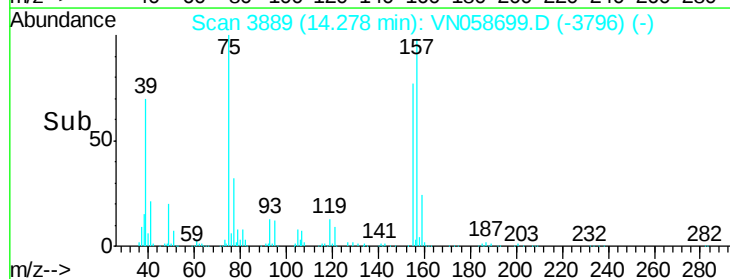
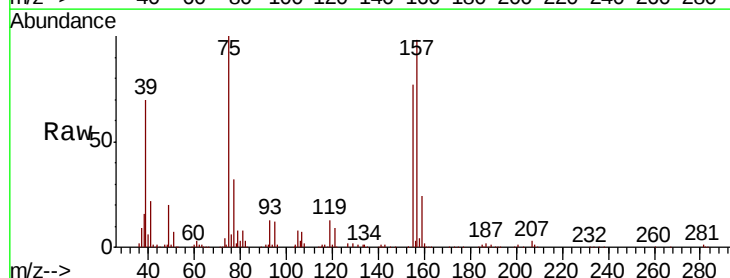
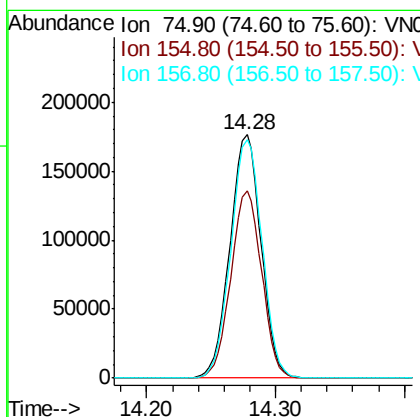
Manual Integrations
 APPROVED

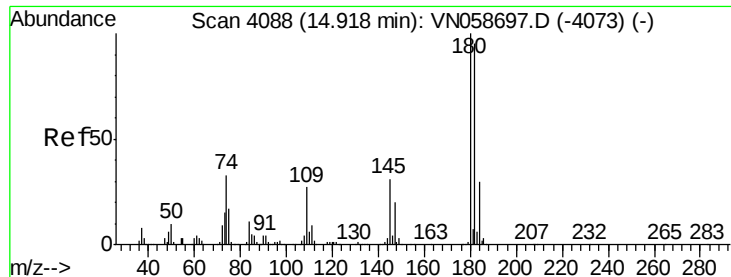
MMDadoda
 10/16/2019 12:48:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 195.536 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058699.D
 Acq: 11 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	37.9	113.6
157	99.2	49.4	148.2





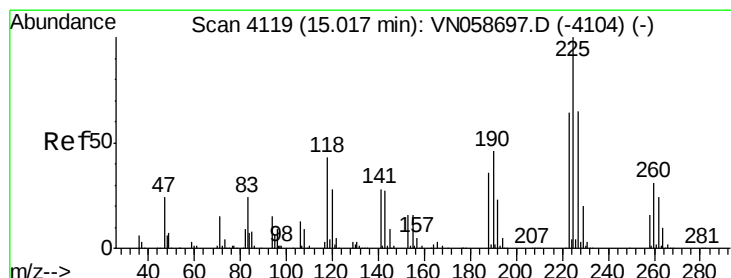
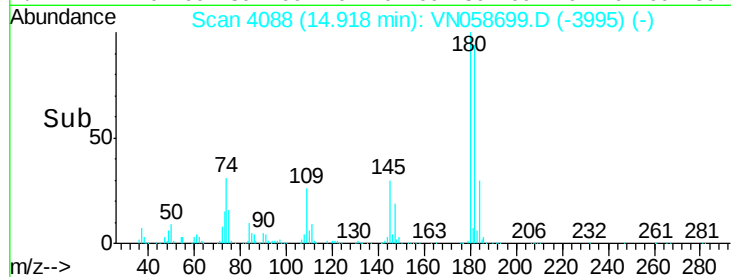
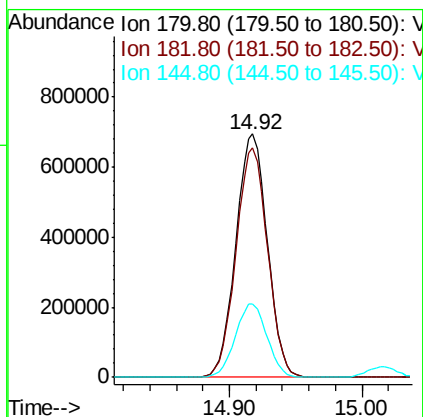
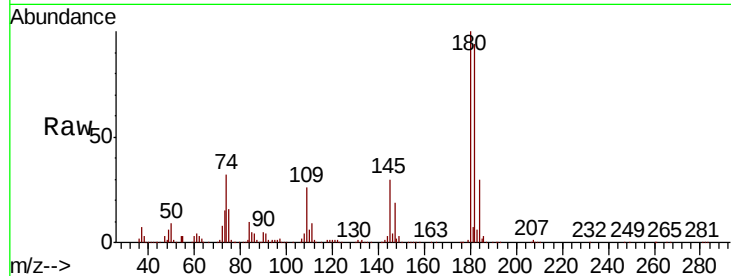
#93
 1,2,4-Trichlorobenzene
 Concen: 181.561 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058699.D
 Acq: 11 Oct 2019 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	30.4	15.4	46.2

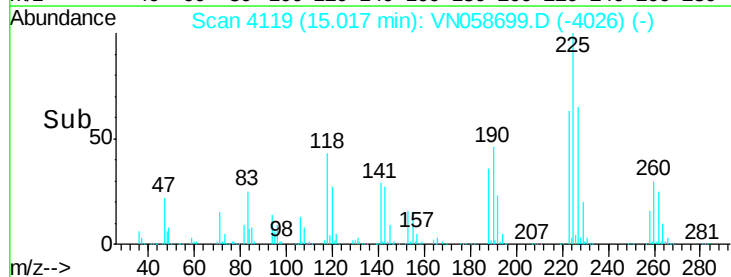
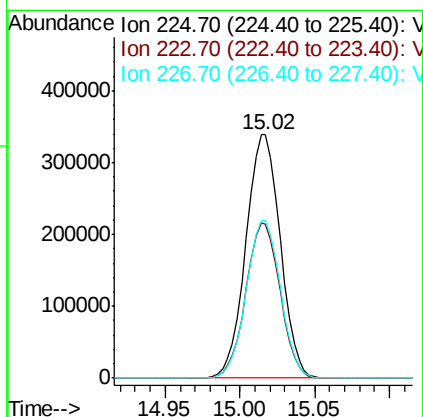
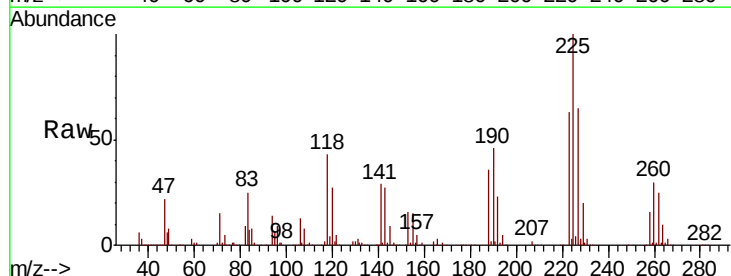
Manual Integrations
 APPROVED

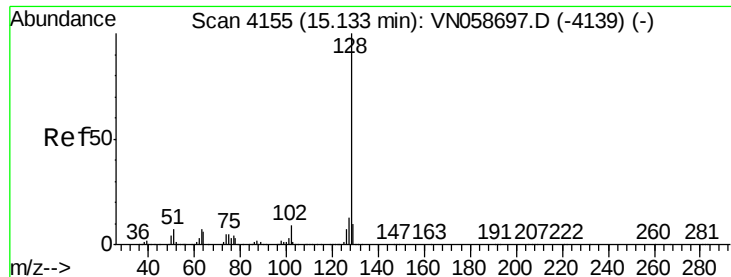
MMDadoda
 10/16/2019 12:48:22 AM



#94
 Hexachlorobutadiene
 Concen: 165.412 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058699.D
 Acq: 11 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	32.3	96.8
227	64.6	32.4	97.0





#95

Naphthalene

Concen: 193.131 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 3216514

Ion Ratio Lower Upper

128 100

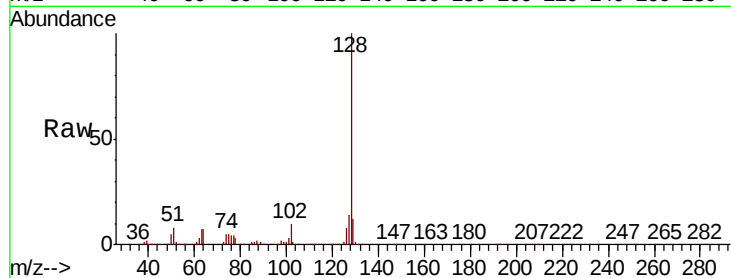
127 13.4 10.2 15.4

129 11.3 8.5 12.7

Manual Integrations
APPROVED

MMDadoda

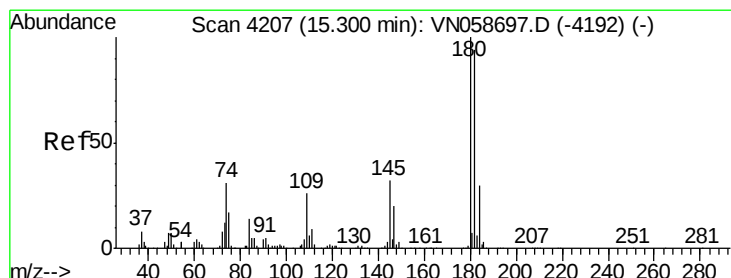
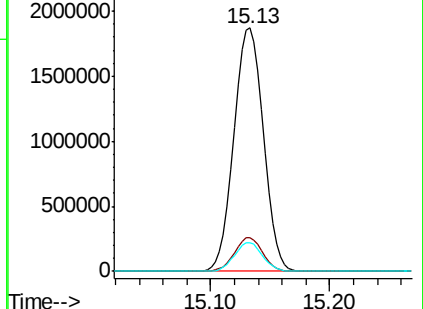
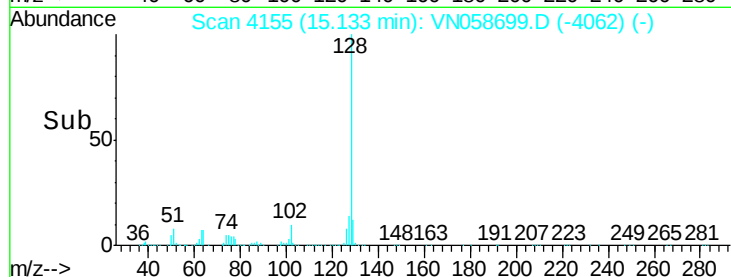
10/16/2019 12:48:22 AM



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: 190.760 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058699.D

Acq: 11 Oct 2019 13:20

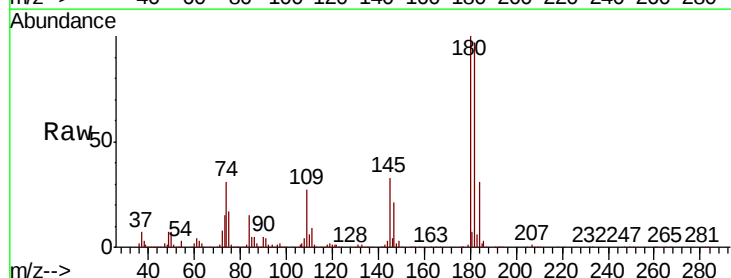
Tgt Ion:180 Resp: 1097639

Ion Ratio Lower Upper

180 100

182 96.1 47.3 142.0

145 32.2 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

