

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058695.D
 Acq On : 11 Oct 2019 11:52
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:15 AM

Quant Time: Oct 12 00:01:04 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	422966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	687829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	616215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	281098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	29505	4.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.64%	
35) Dibromofluoromethane	7.57	113	19978	4.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.50%	
50) Toluene-d8	10.09	98	81626	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
62) 4-Bromofluorobenzene	12.40	95	29321	4.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	25800	5.442	ug/l	99
3) Chloromethane	2.04	50	31046	5.877	ug/l	99
4) Vinyl Chloride	2.17	62	31070	5.984	ug/l	94
5) Bromomethane	2.54	94	20529m	7.196	ug/l	
6) Chloroethane	2.68	64	19808	6.352	ug/l	99
7) Trichlorofluoromethane	3.00	101	38430	6.202	ug/l	100
8) Diethyl Ether	3.39	74	14003	5.368	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	22463	5.502	ug/l	98
10) Methyl Iodide	3.93	142	27390	5.768	ug/l	98
11) Tert butyl alcohol	4.76	59	24827	33.861	ug/l	99
12) 1,1-Dichloroethene	3.72	96	20605	5.177	ug/l	91
13) Acrolein	3.59	56	19204	58.325	ug/l	97
14) Allyl chloride	4.30	41	39360	5.344	ug/l	96
15) Acrylonitrile	4.97	53	60527	29.247	ug/l	98
16) Acetone	3.80	43	58185	26.943	ug/l	99
17) Carbon Disulfide	4.03	76	65251	6.048	ug/l	99
18) Methyl Acetate	4.30	43	31810	5.814	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	71189	5.034	ug/l	99
20) Methylene Chloride	4.53	84	25889	5.304	ug/l	93
21) trans-1,2-Dichloroethene	5.02	96	23011	5.180	ug/l	97
22) Diisopropyl ether	5.92	45	79860	5.090	ug/l #	87
23) Vinyl Acetate	5.87	43	321638	26.960	ug/l	99
24) 1,1-Dichloroethane	5.82	63	47452	5.384	ug/l	99
25) 2-Butanone	6.82	43	87058	29.119	ug/l	96
26) 2,2-Dichloropropane	6.80	77	41780	5.710	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	27002	5.226	ug/l	99
28) Bromochloromethane	7.18	49	15857	4.621	ug/l	98
29) Tetrahydrofuran	7.19	42	56481	29.622	ug/l	99
30) Chloroform	7.36	83	47060	5.292	ug/l	93
31) Cyclohexane	7.64	56	48091	5.625	ug/l #	82
32) 1,1,1-Trichloroethane	7.55	97	39819	5.411	ug/l	98
36) 1,1-Dichloropropene	7.78	75	34902	5.276	ug/l	97
37) Ethyl Acetate	6.91	43	35137	6.051	ug/l	99
38) Carbon Tetrachloride	7.75	117	33983	5.616	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	39184	5.058	ug/l	99
40) Benzene	8.02	78	101935	5.364	ug/l	98
41) Methacrylonitrile	7.17	41	17686m	6.496	ug/l	
42) 1,2-Dichloroethane	8.11	62	39881	5.396	ug/l	100
43) Isopropyl Acetate	8.15	43	57793	5.374	ug/l #	93
44) Trichloroethene	8.82	130	25155	5.368	ug/l	98
45) 1,2-Dichloropropane	9.11	63	26410	5.176	ug/l	99
46) Dibromomethane	9.20	93	17058	5.268	ug/l	97
47) Bromodichloromethane	9.39	83	33234	5.374	ug/l	98
48) Methyl methacrylate	9.19	41	24853	5.087	ug/l	96
49) 1,4-Dioxane	9.19	88	8161	122.786	ug/l #	94
51) 4-Methyl-2-Pentanone	9.98	43	171543	30.459	ug/l	97
52) Toluene	10.15	92	59768	4.987	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	36855	5.459	ug/l	94
54) cis-1,3-Dichloropropene	9.83	75	39977	5.367	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	25131	5.740	ug/l	97
56) Ethyl methacrylate	10.43	69	32254	4.821	ug/l	93
57) 1,3-Dichloropropane	10.70	76	42499	5.439	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	76739	27.718	ug/l	99
59) 2-Hexanone	10.75	43	125379	30.234	ug/l	98
60) Dibromochloromethane	10.90	129	24044	5.687	ug/l	99
61) 1,2-Dibromoethane	11.00	107	24273	5.404	ug/l	99
64) Tetrachloroethene	10.63	164	23498	5.928	ug/l	95
65) Chlorobenzene	11.43	112	63983	5.219	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	22983	5.507	ug/l	96
67) Ethyl Benzene	11.51	91	112969	5.080	ug/l	99
68) m/p-Xylenes	11.62	106	81669	9.759	ug/l	100
69) o-Xylene	11.95	106	39362	4.900	ug/l	97
70) Styrene	11.97	104	60611	4.644	ug/l	97
71) Bromoform	12.13	173	15999	5.994	ug/l #	95
73) Isopropylbenzene	12.25	105	105663	5.112	ug/l	99
74) N-amyl acetate	12.07	43	43343	5.168	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	35487	5.701	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	33247m	6.353	ug/l	
77) Bromobenzene	12.53	156	26176	5.383	ug/l	97
78) n-propylbenzene	12.59	91	123802	5.294	ug/l	99
79) 2-Chlorotoluene	12.68	91	75978	5.268	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	89357	5.149	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	10556	5.884	ug/l	86
82) 4-Chlorotoluene	12.78	91	76920	5.214	ug/l	99
83) tert-Butylbenzene	13.00	119	75736	5.171	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	87342	5.023	ug/l	99
85) sec-Butylbenzene	13.18	105	99613	5.150	ug/l	100
86) p-Isopropyltoluene	13.29	119	87575	5.121	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	46140	5.214	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	46975	5.344	ug/l	95
89) n-Butylbenzene	13.62	91	80147	5.143	ug/l	97
90) Hexachloroethane	13.88	117	16253	6.185	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	45165	5.303	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	8041	7.095	ug/l	88

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ClientSampleId :
VSTDICC005

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	24203	5.095	ug/l	95
94) Hexachlorobutadiene	15.01	225	14731	5.954	ug/l	99
95) Naphthalene	15.13	128	69592	5.533	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	24847	5.718	ug/l	98

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

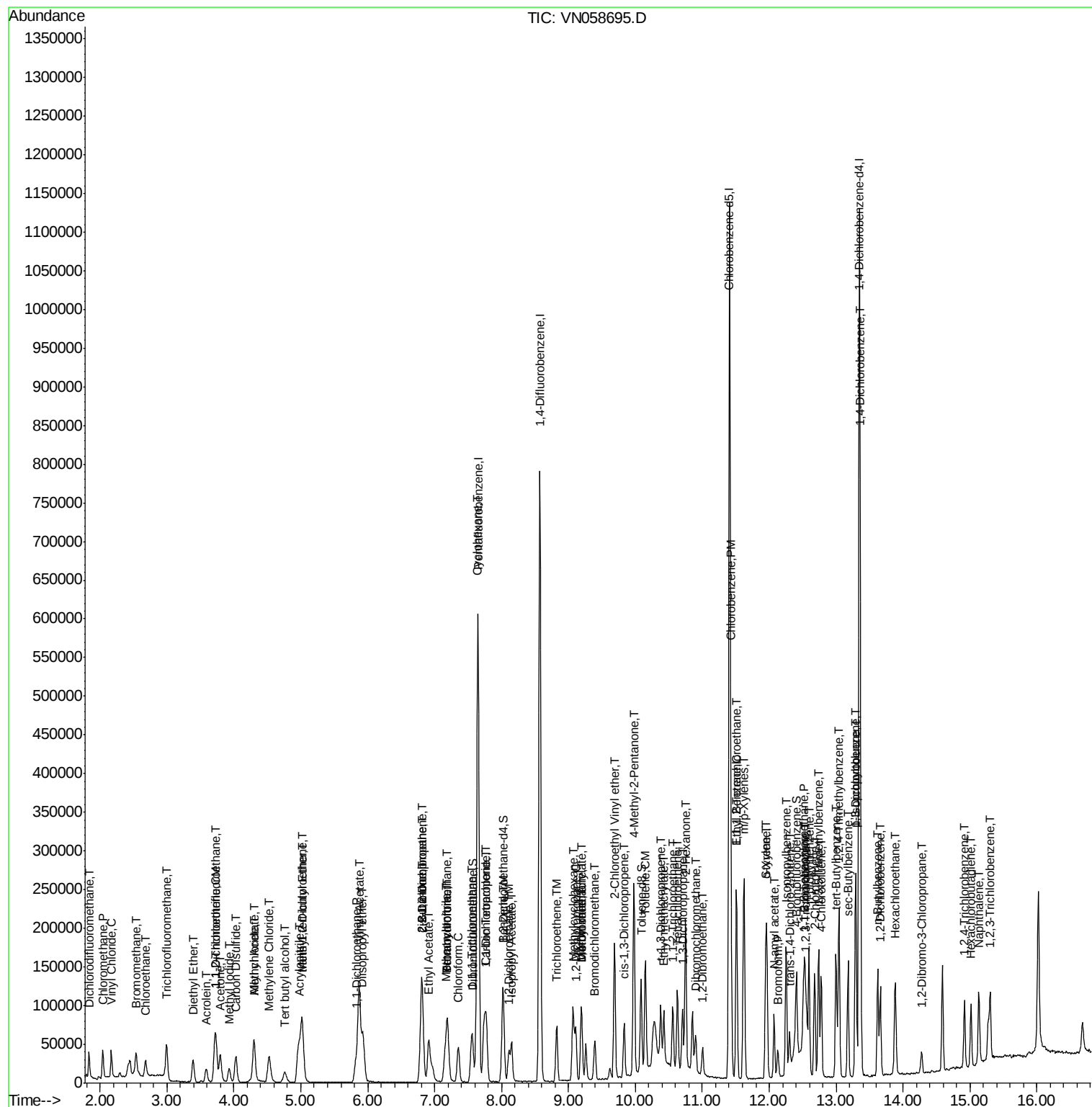
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Data File : VN058695.D
Acq On : 11 Oct 2019 11:52
Operator : JC/SP
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

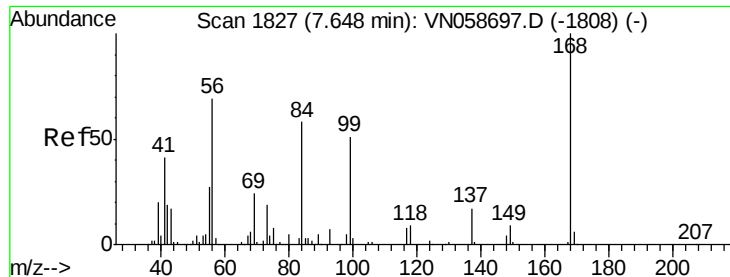
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
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MMDadoda
10/16/2019 12:48:15 AM

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 422966

Ion Ratio Lower Upper

168 100

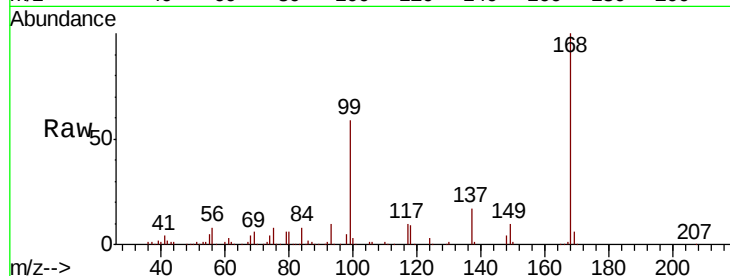
99 59.2 47.5 71.3

Manual Integrations

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10/16/2019 12:48:15 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

100000

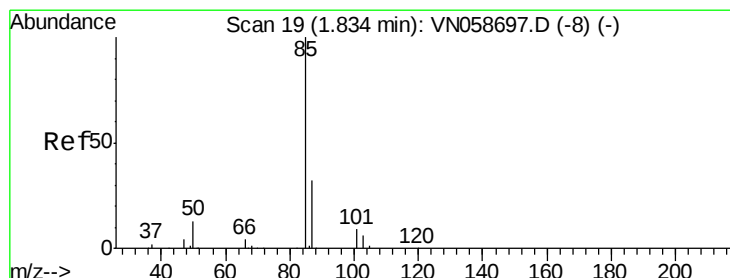
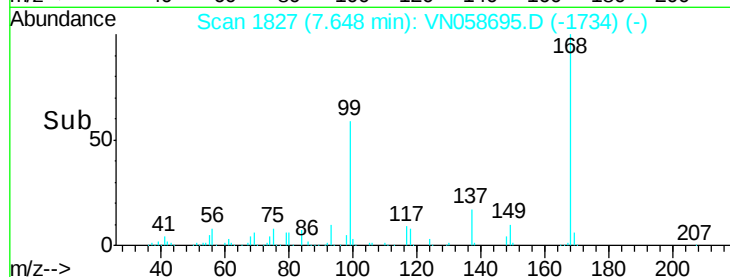
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 5.442 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058695.D

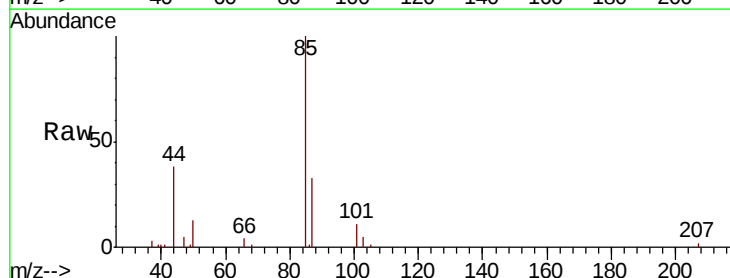
Acq: 11 Oct 2019 11:52

Tgt Ion: 85 Resp: 25800

Ion Ratio Lower Upper

85 100

87 32.8 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

20000

15000

10000

5000

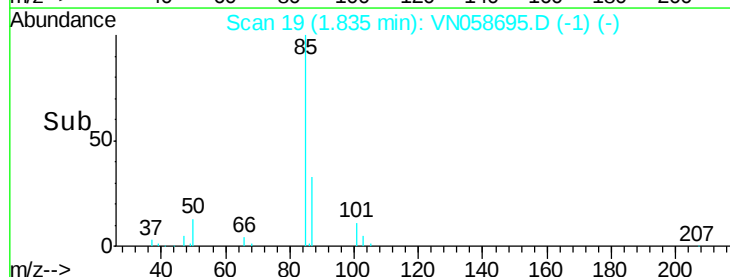
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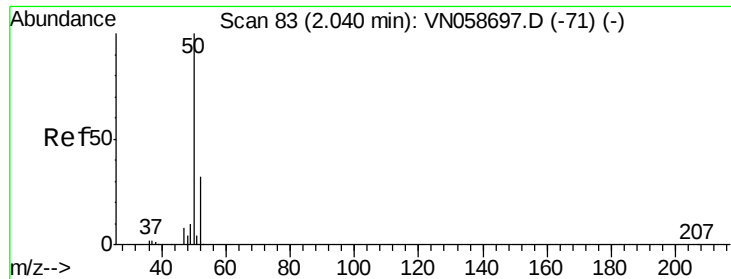
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 5.877 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 31046

Ion Ratio Lower Upper

50 100

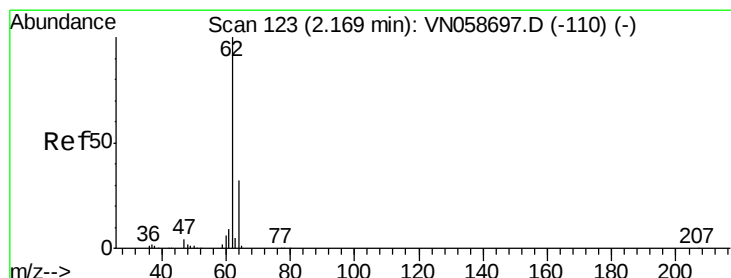
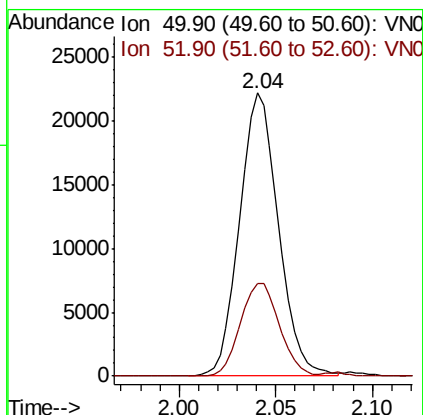
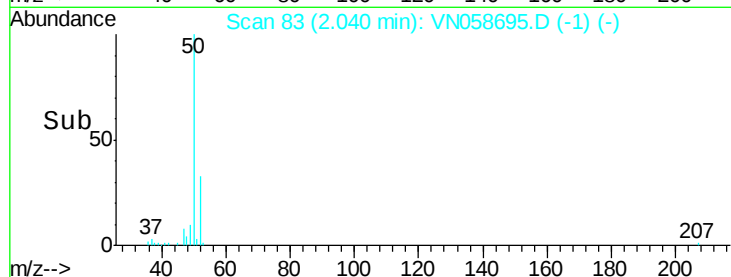
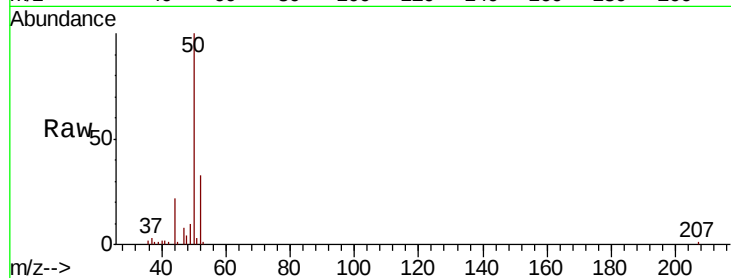
52 32.8 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.984 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058695.D

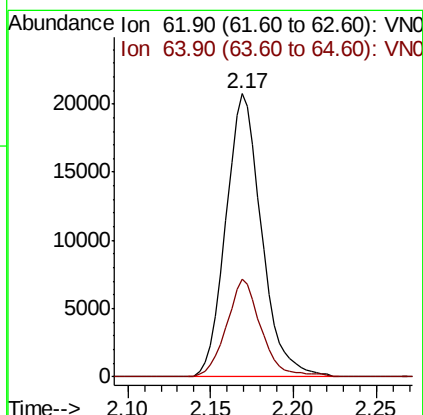
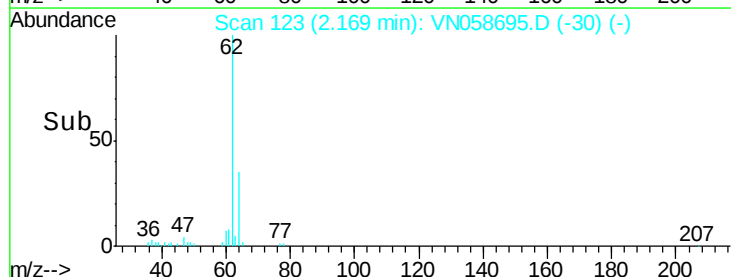
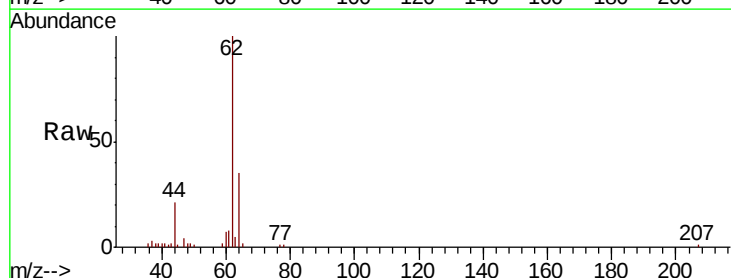
Acq: 11 Oct 2019 11:52

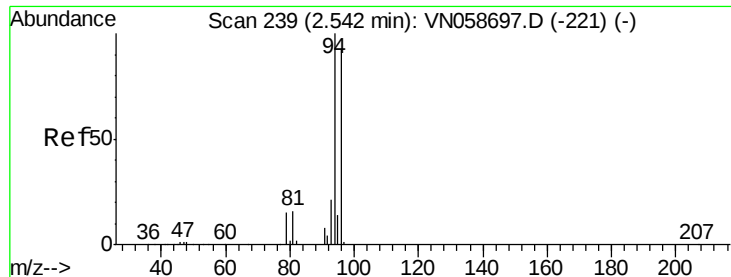
Tgt Ion: 62 Resp: 31070

Ion Ratio Lower Upper

62 100

64 34.7 25.3 37.9





#5

Bromomethane

Concen: 7.196 ug/l m

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 20529

Ion Ratio Lower Upper

94 100

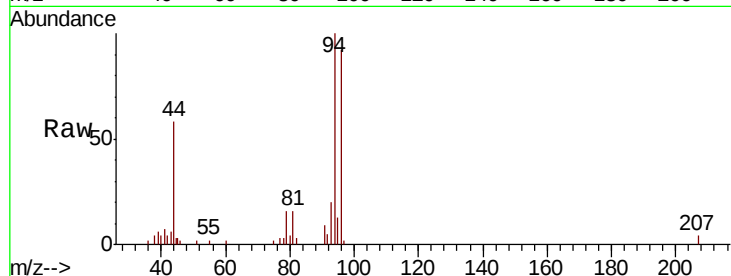
96 92.1 74.5 111.7

Manual Integrations

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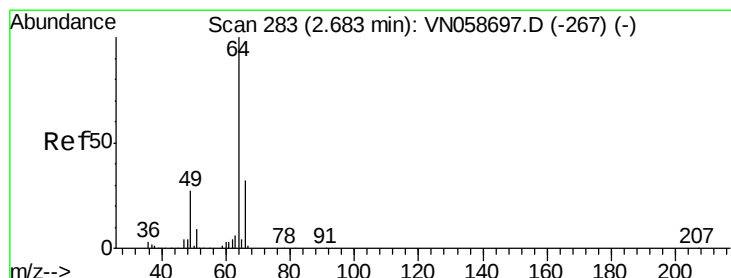
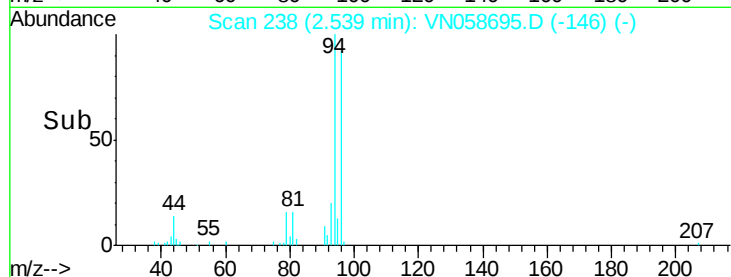
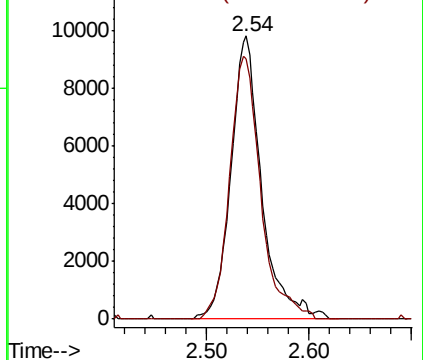
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 6.352 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058695.D

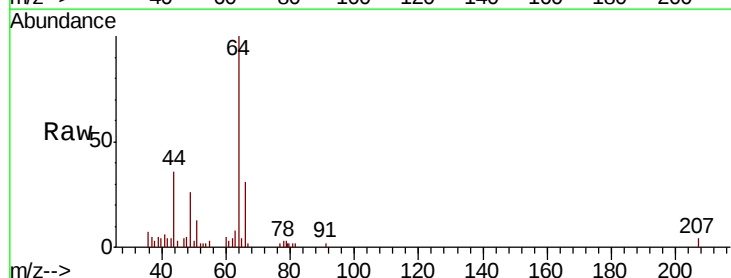
Acq: 11 Oct 2019 11:52

Tgt Ion: 64 Resp: 19808

Ion Ratio Lower Upper

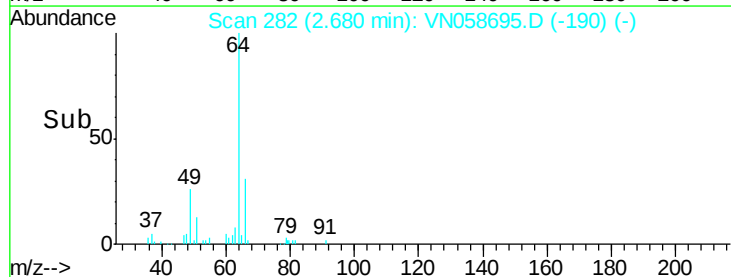
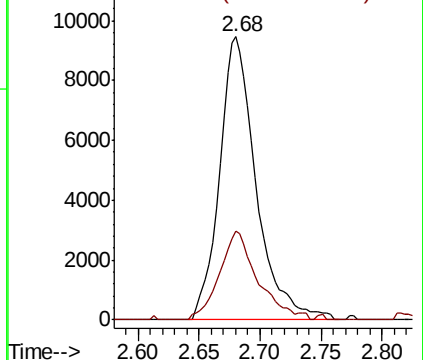
64 100

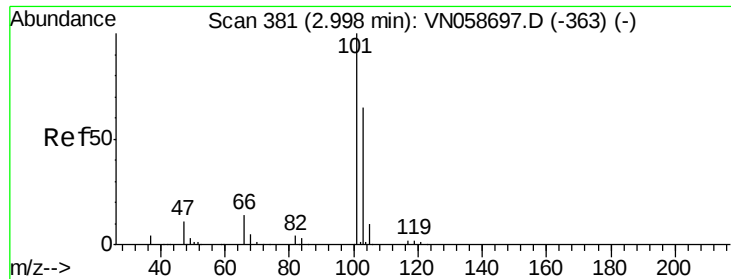
66 31.2 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

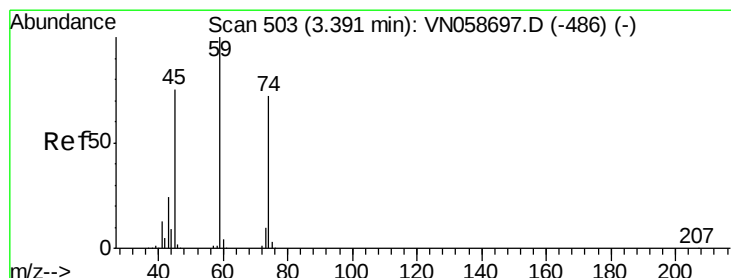
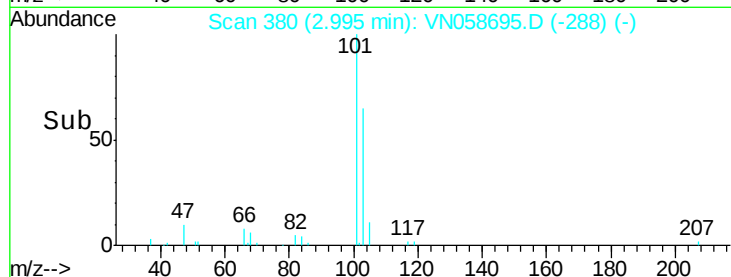
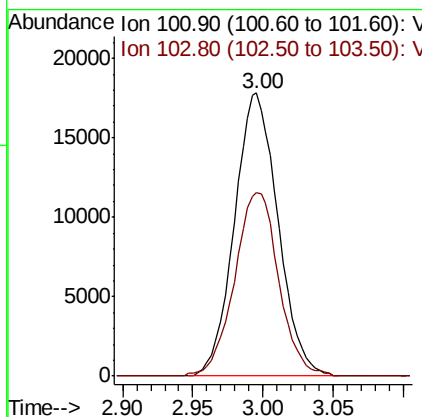
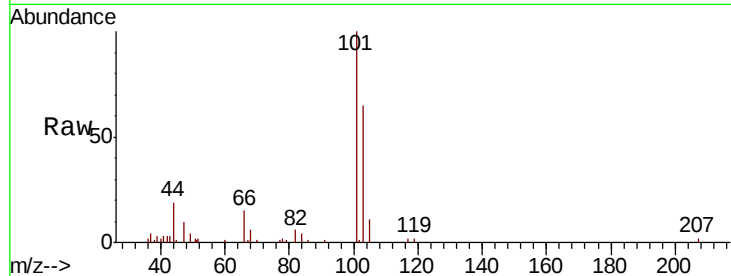
Trichlorofluoromethane
Concen: 6.202 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		38430		
103	65.0	51.8	77.6		

Manual Integrations
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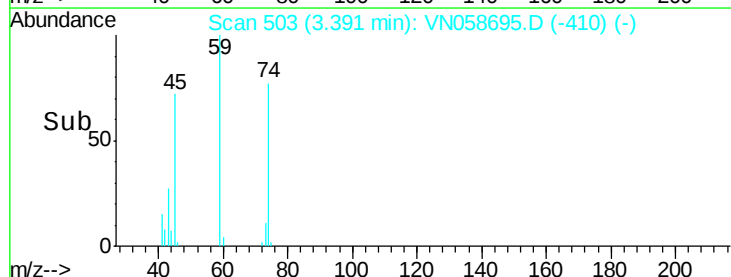
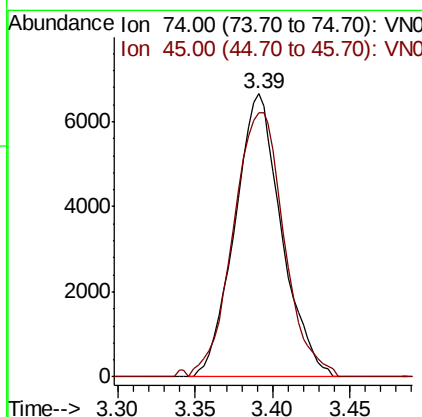
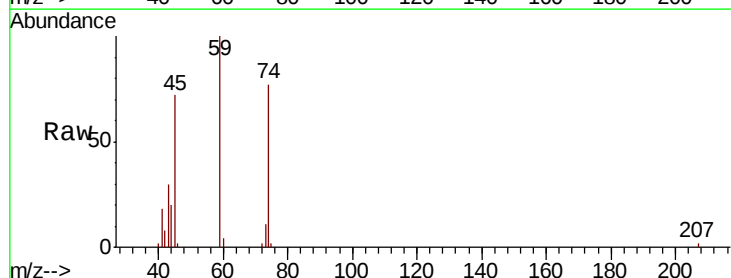
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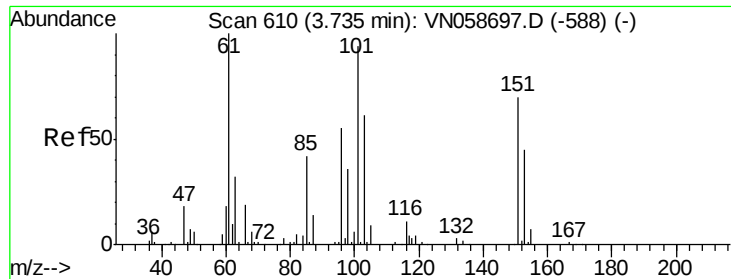


#8

Diethyl Ether
Concen: 5.368 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058695.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		14003		
45	101.3	51.3	154.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.502 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

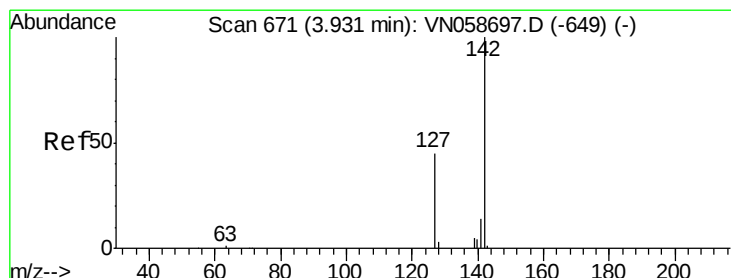
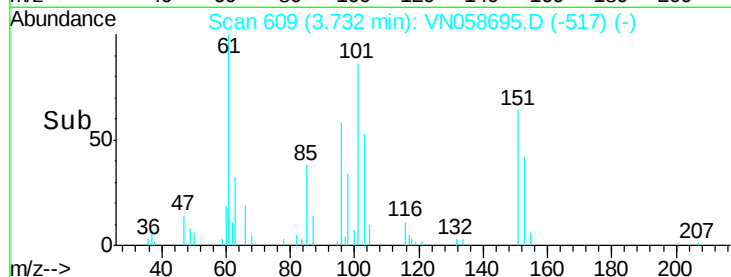
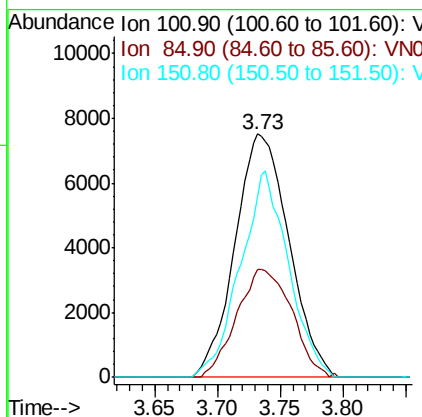
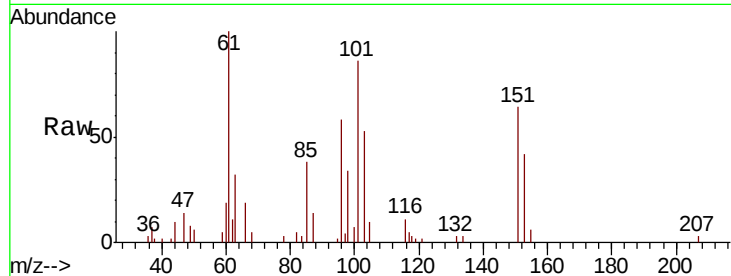
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	22463
Ion Ratio	Lower	Upper	
101	100		
85	45.3	37.0	55.6
151	75.7	61.8	92.6

Manual Integrations
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#10

Methyl Iodide

Concen: 5.768 ug/l

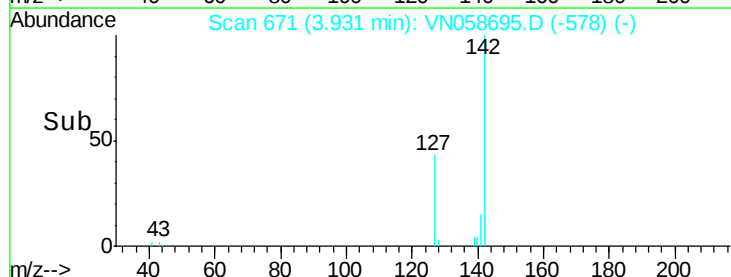
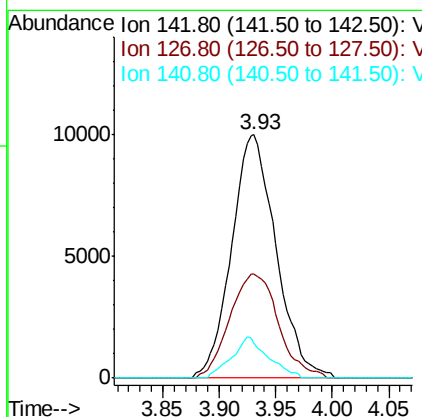
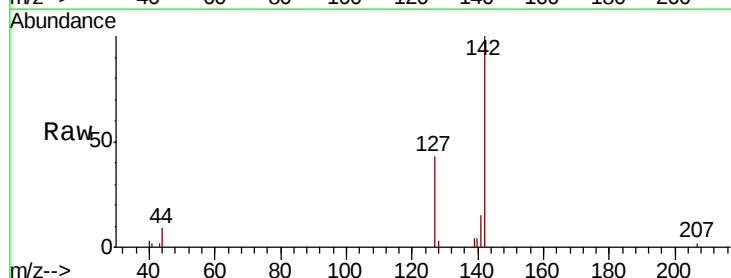
RT: 3.93 min Scan# 671

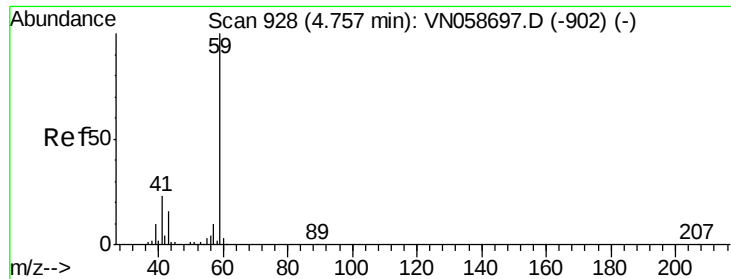
Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Tgt Ion:	142	Resp:	27390
Ion Ratio	Lower	Upper	
142	100		
127	46.9	36.4	54.6
141	13.8	11.1	16.7





#11

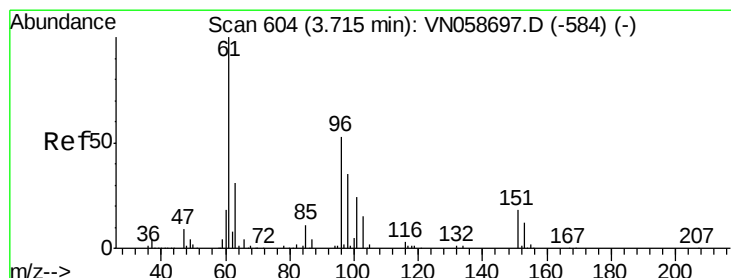
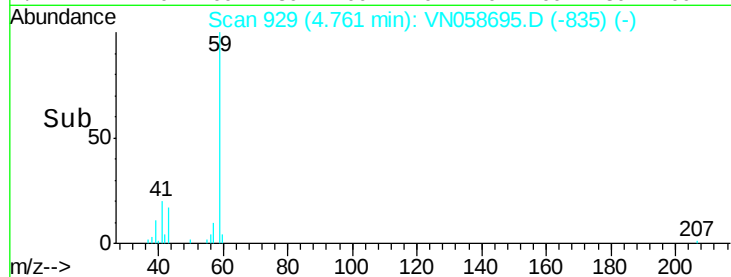
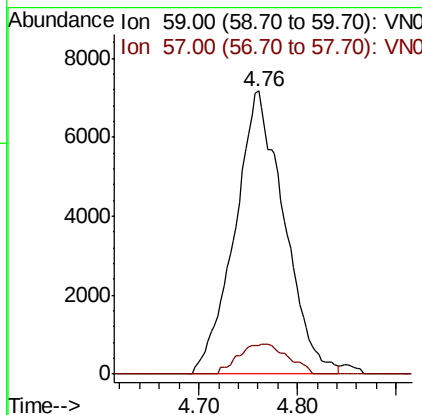
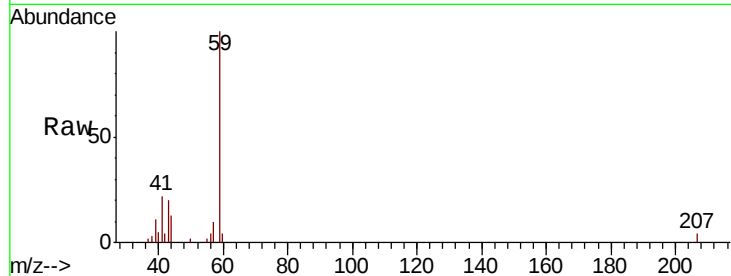
Tert butyl alcohol
 Concen: 33.861 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	59	Resp	24827
Ion Ratio	100	Lower	Upper
57	10.7	8.4	12.6

Manual Integrations
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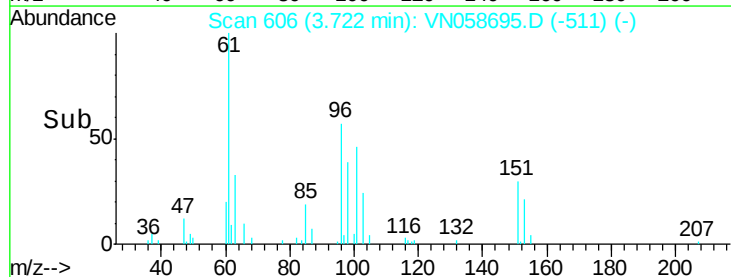
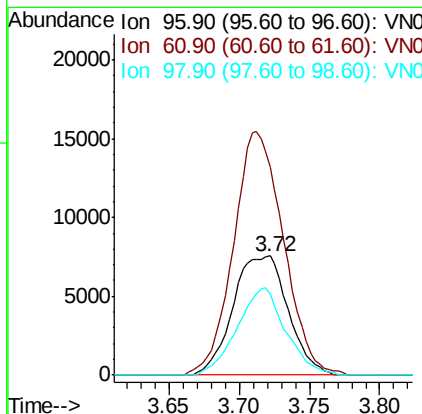
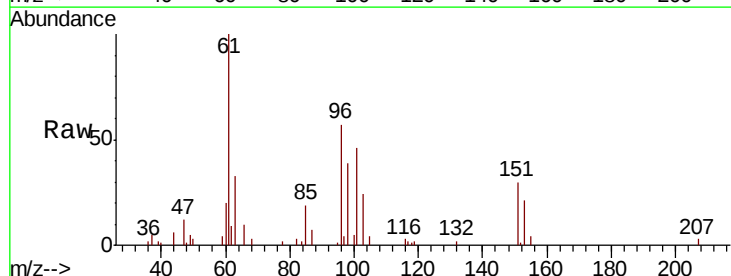
MMDadoda
 10/16/2019 12:48:15 AM

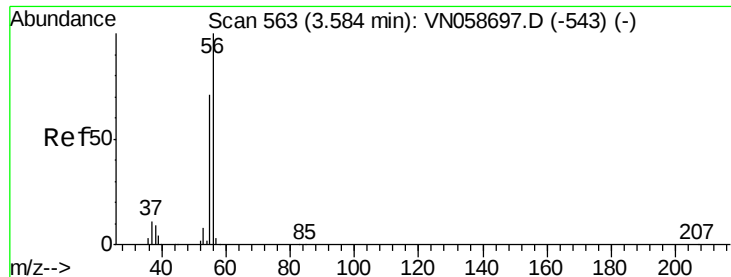


#12

1,1-Dichloroethene
 Concen: 5.177 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Tgt Ion	96	Resp	20605
Ion Ratio	100	Lower	Upper
61	172.4	151.3	226.9
98	68.2	52.6	78.8





#13

Acrolein

Concen: 58.325 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 19204

Ion Ratio Lower Upper

56 100

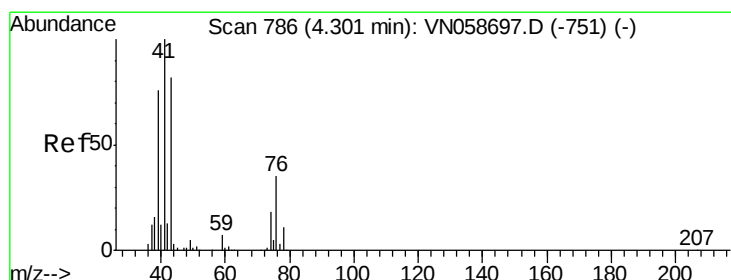
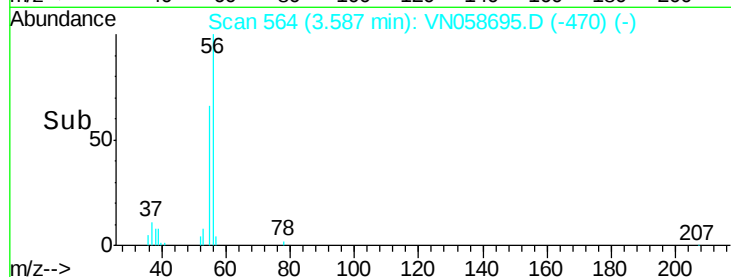
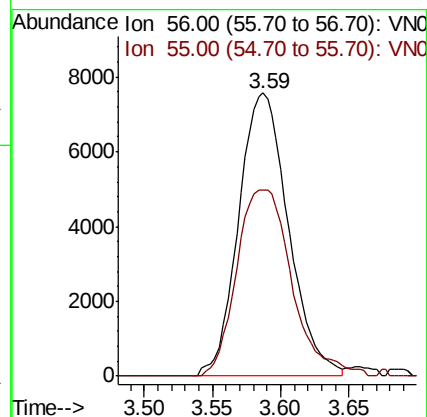
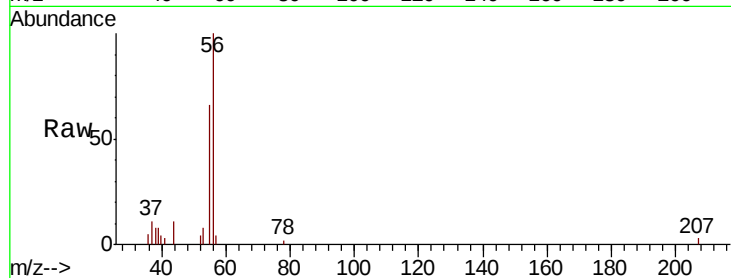
55 73.3 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 5.344 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

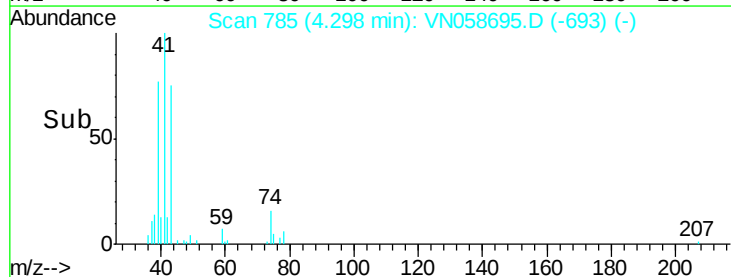
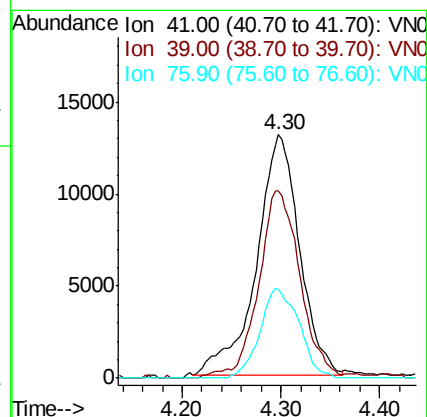
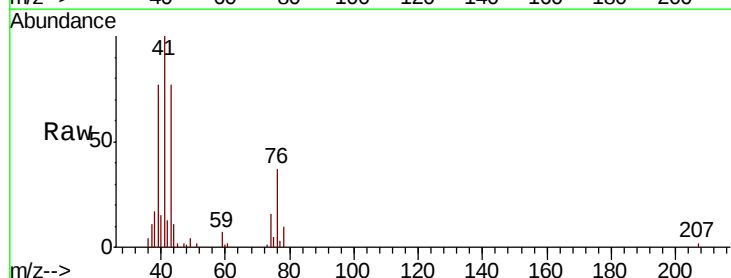
Tgt Ion: 41 Resp: 39360

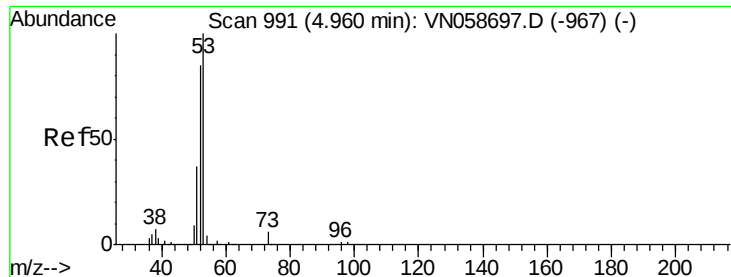
Ion Ratio Lower Upper

41 100

39 74.9 57.2 85.8

76 33.9 25.0 37.6





#15

Acrylonitrile

Concen: 29.247 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

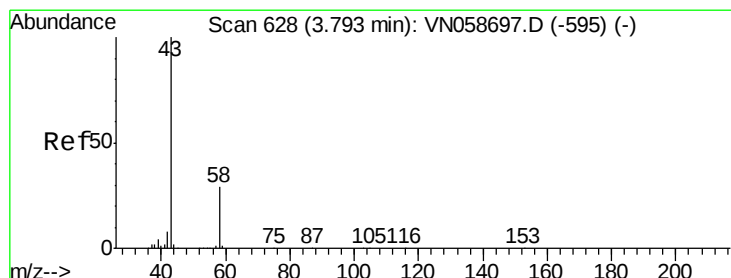
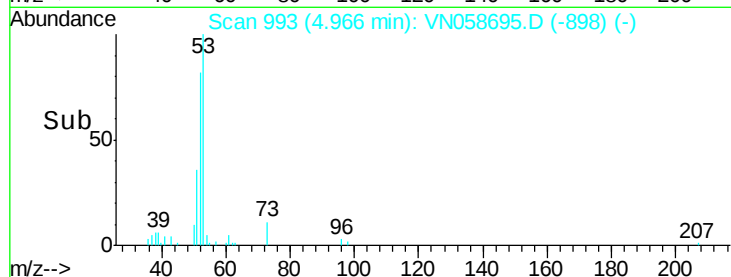
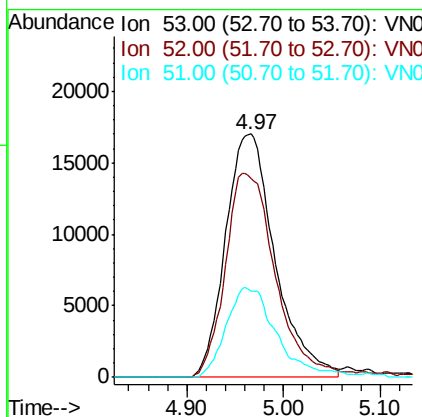
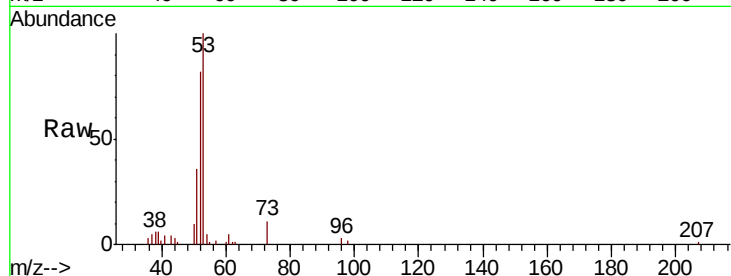
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	60527
Ion	Ratio	Lower	Upper
53	100		
52	85.0	66.2	99.2
51	37.5	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 26.943 ug/l

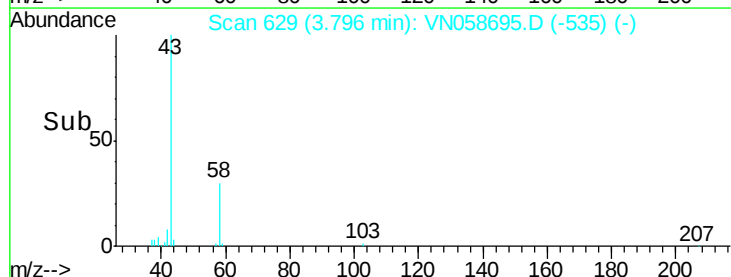
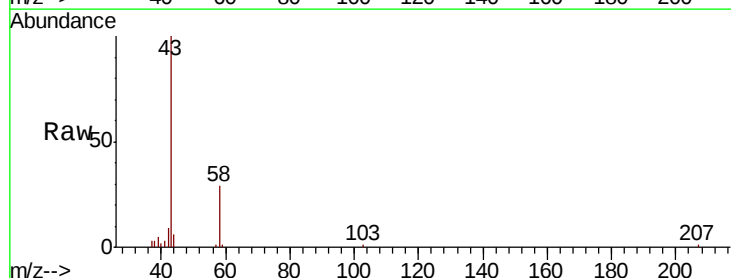
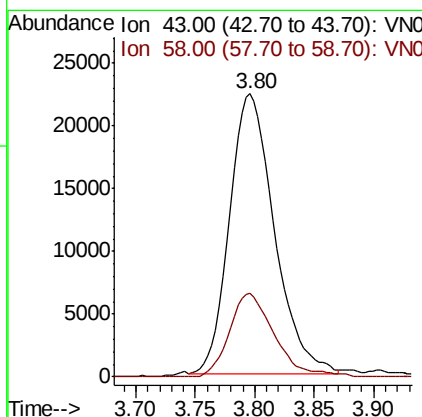
RT: 3.80 min Scan# 629

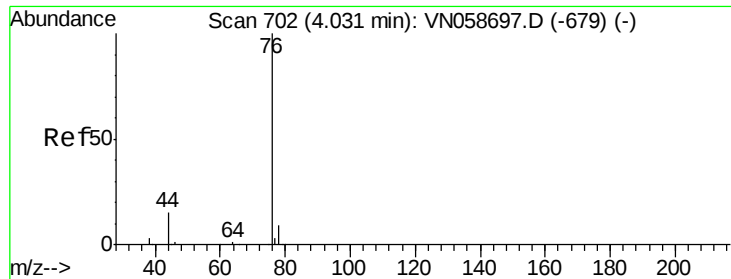
Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Tgt Ion:	43	Resp:	58185
Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.3	34.9





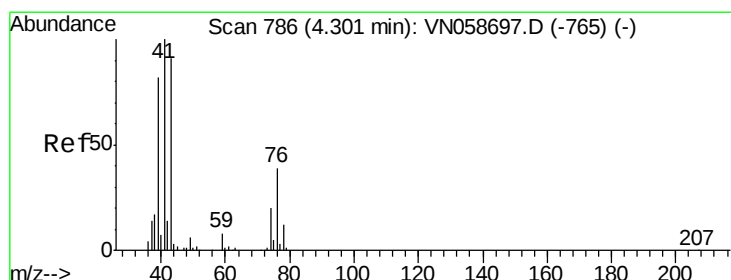
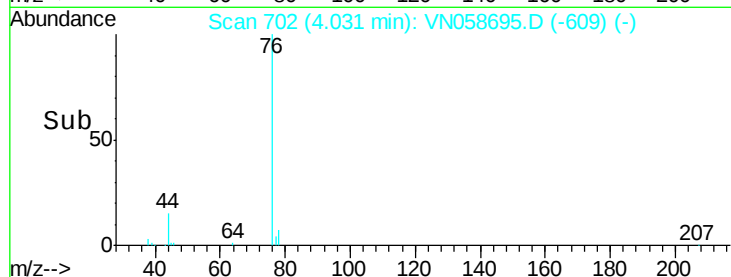
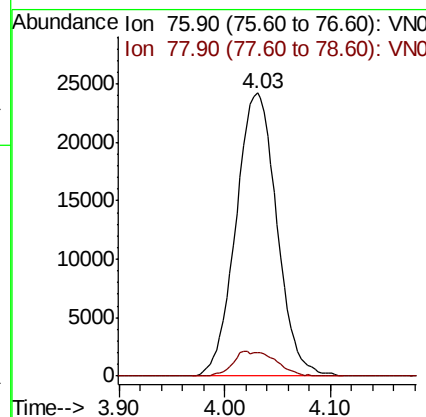
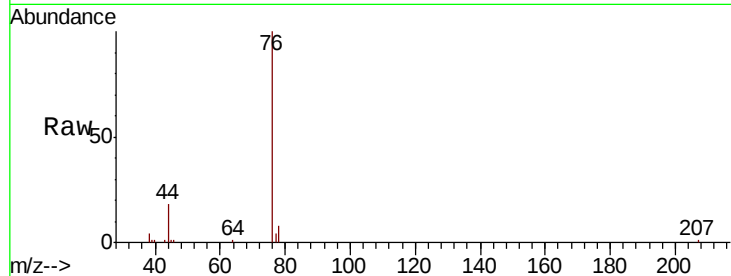
#17
Carbon Disulfide
Concen: 6.048 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.1	10.7

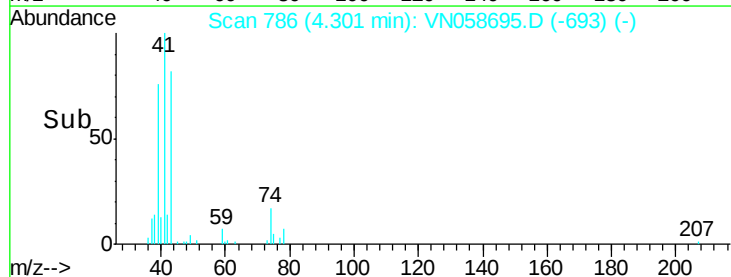
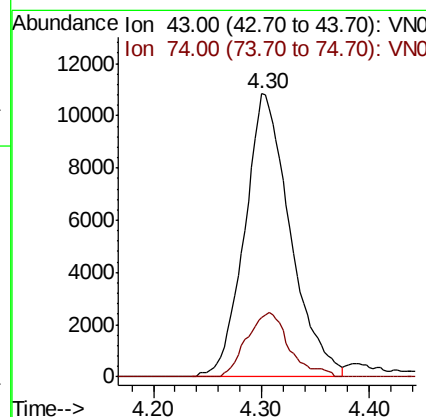
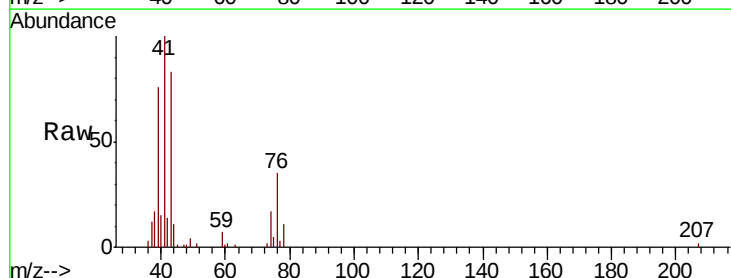
Manual Integrations
APPROVED

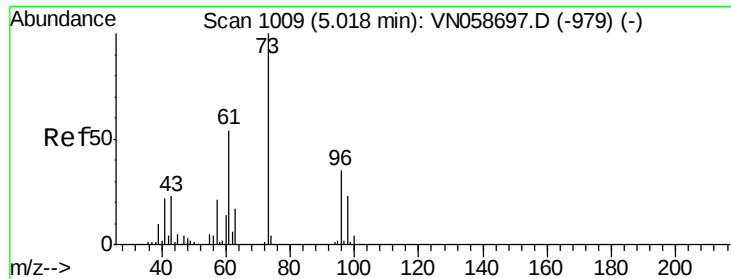
MMDadoda
10/16/2019 12:48:15 AM



#18
Methyl Acetate
Concen: 5.814 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.2	25.8





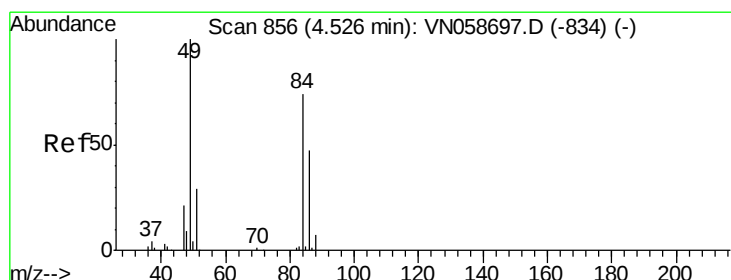
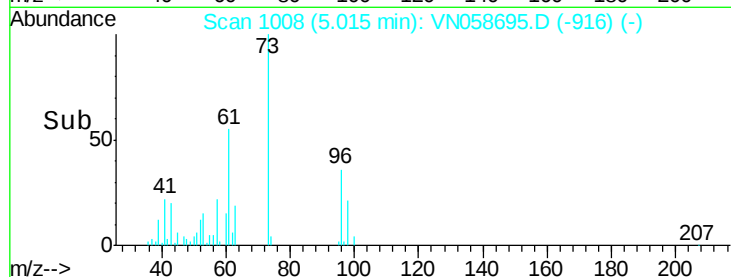
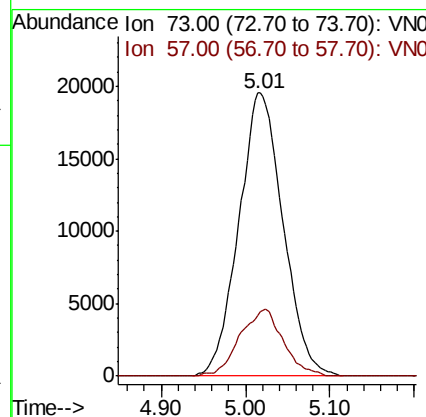
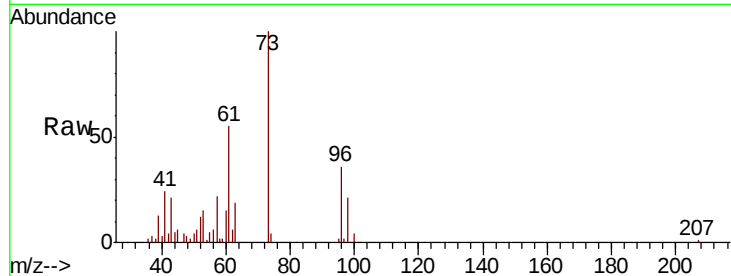
#19
Methvl tert-butvl Ether
Concen: 5.034 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 71189
Ion Ratio Lower Upper
73 100
57 21.6 17.0 25.6

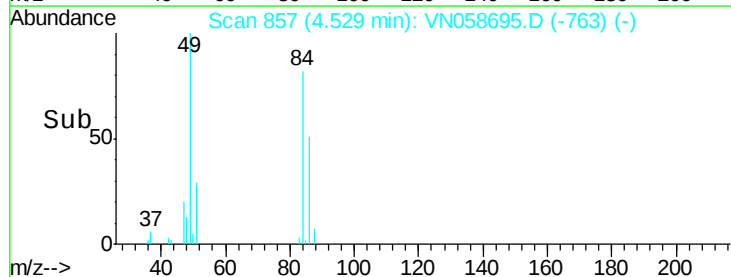
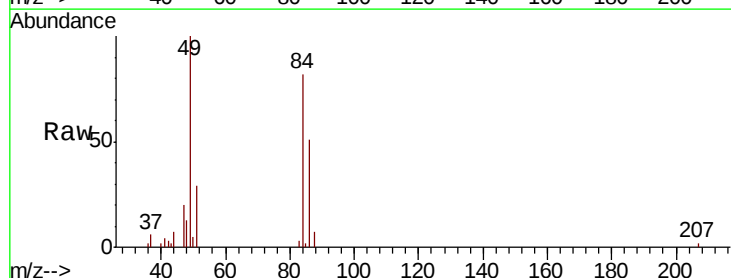
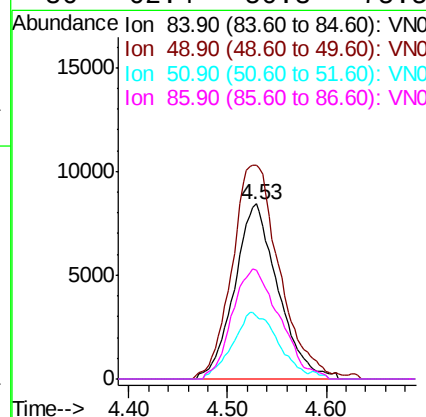
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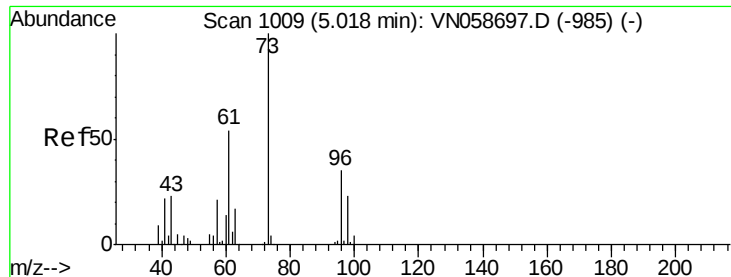
MMDadoda
10/16/2019 12:48:15 AM



#20
Methylene Chloride
Concen: 5.304 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion: 84 Resp: 25889
Ion Ratio Lower Upper
84 100
49 121.9 107.6 161.4
51 35.8 31.4 47.0
86 62.4 50.3 75.5





#21

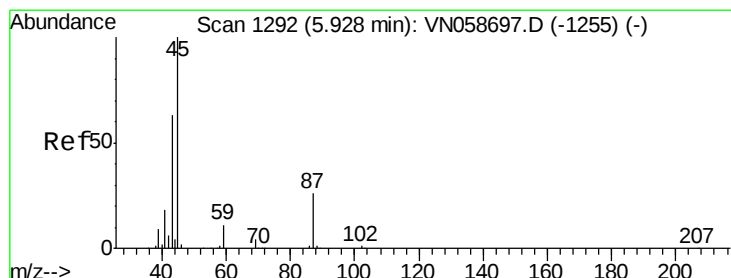
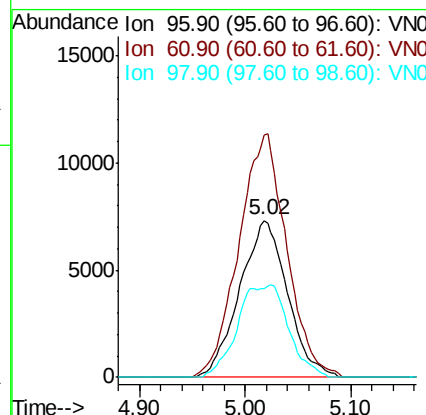
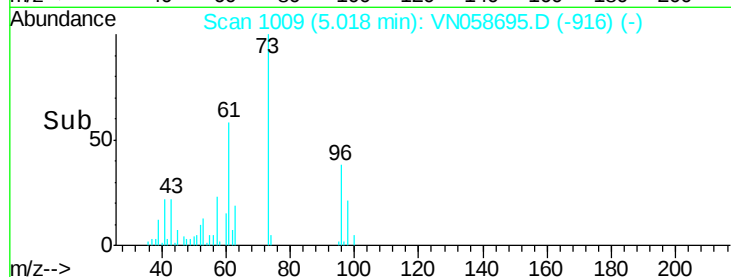
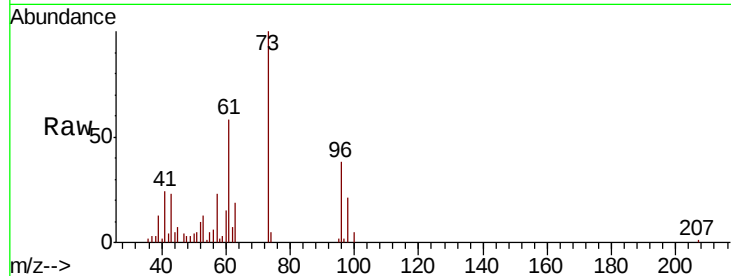
trans-1,2-Dichloroethene
Concen: 5.180 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.1	123.6	185.4
98	56.7	52.1	78.1

Manual Integrations
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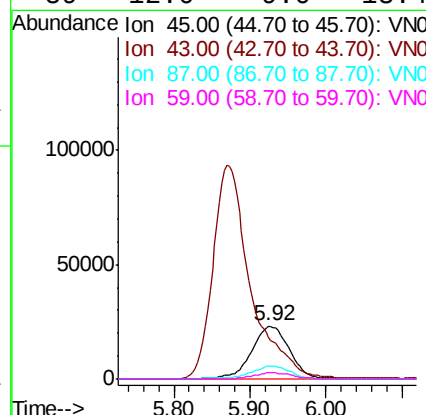
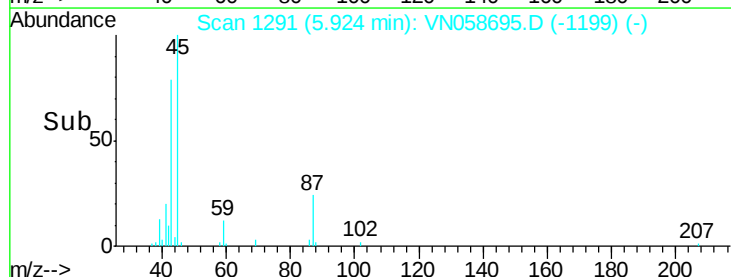
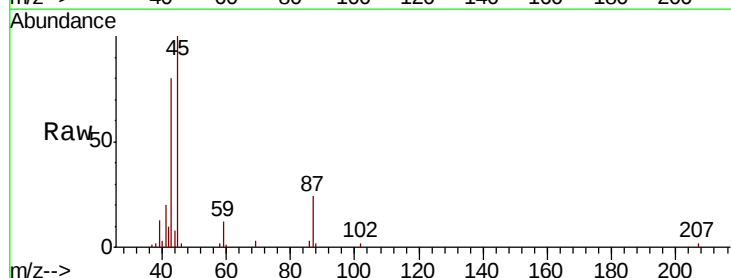
MMDadoda
10/16/2019 12:48:15 AM

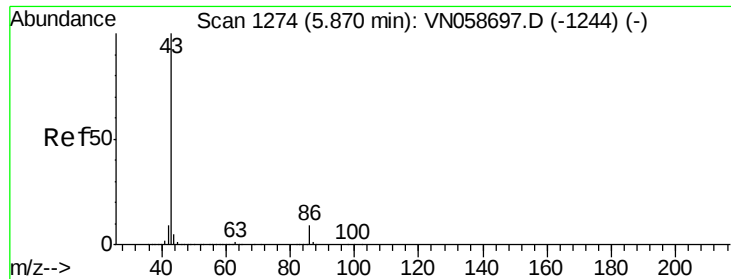


#22

Diisopropyl ether
Concen: 5.090 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	77.0	50.6	75.8#
87	23.9	21.1	31.7
59	12.0	9.0	13.4





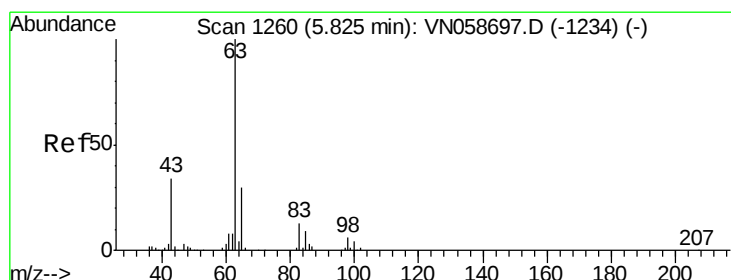
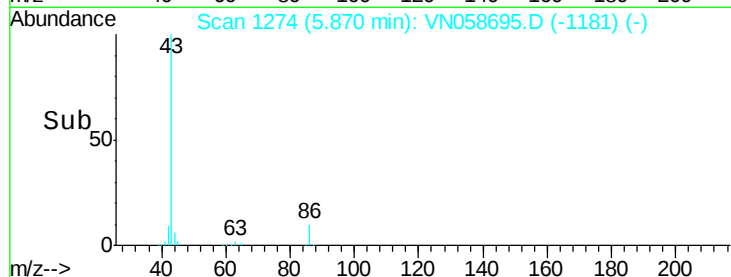
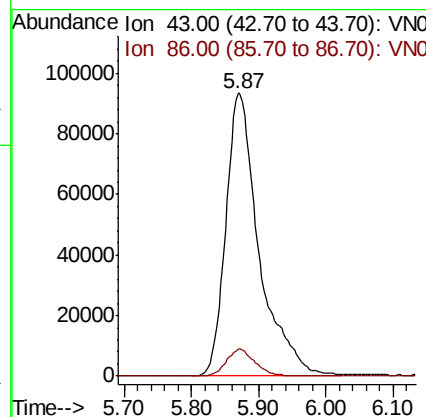
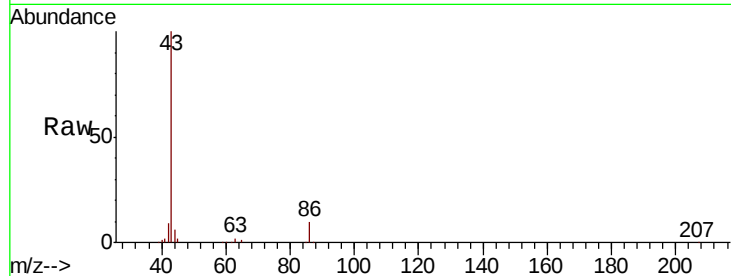
#23
 Vinyl Acetate
 Concen: 26.960 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	321638
Ion Ratio	Lower	Upper	
43	100		
86	9.6	7.4	11.0

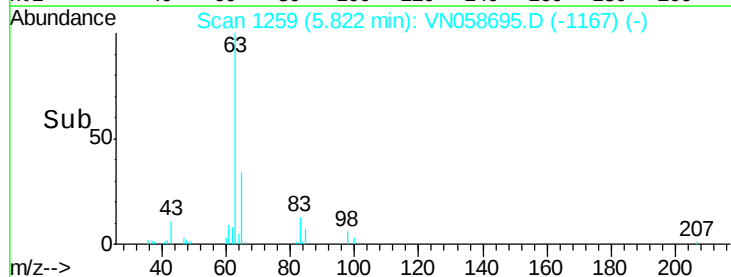
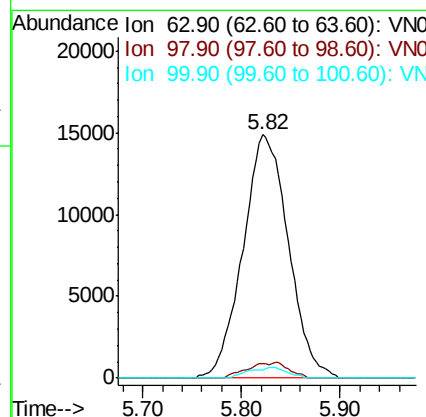
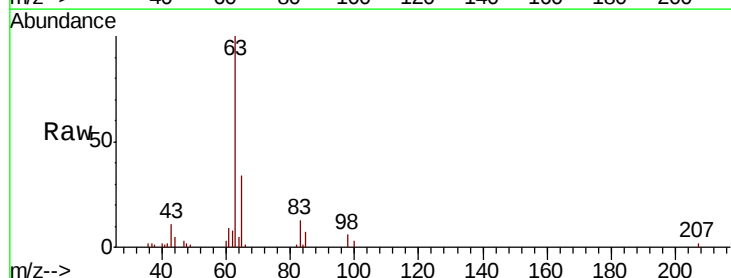
Manual Integrations
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MMDadoda
 10/16/2019 12:48:15 AM



#24
 1,1-Dichloroethane
 Concen: 5.384 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Tgt Ion	63	Resp	47452
Ion Ratio	Lower	Upper	
63	100		
98	5.9	2.9	8.6
100	3.3	1.8	5.5





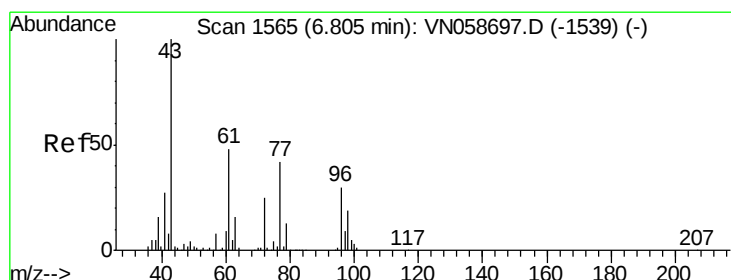
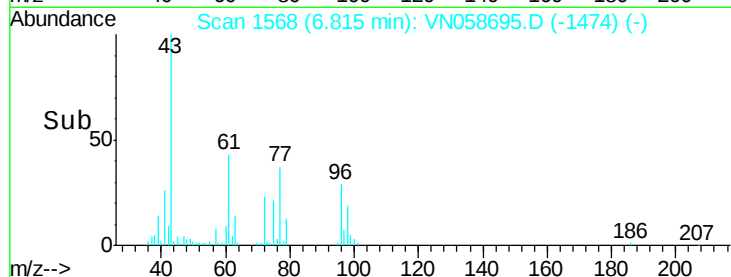
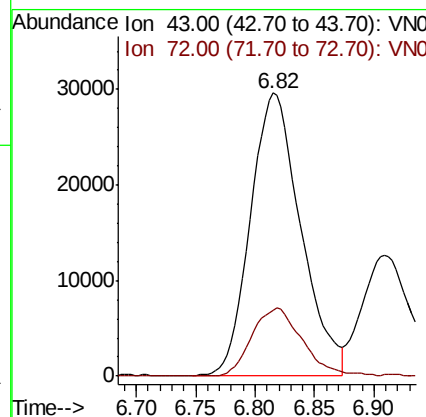
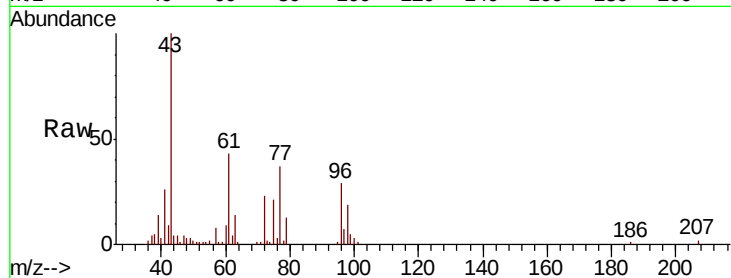
#25
2-Butanone
Concen: 29.119 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 87058
Ion Ratio Lower Upper
43 100
72 23.4 20.2 30.2

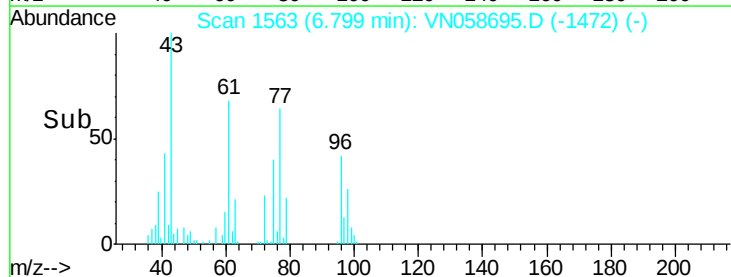
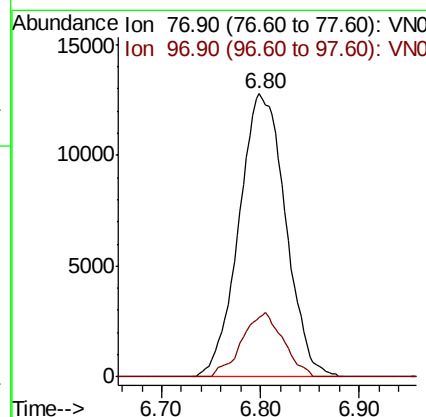
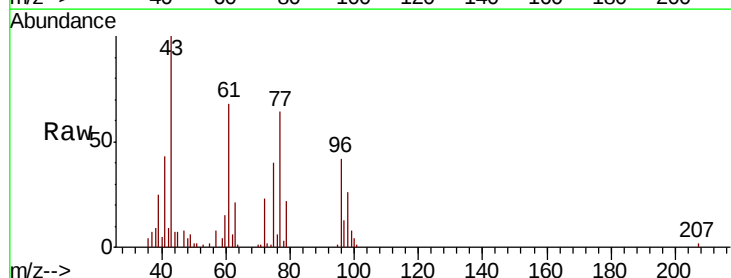
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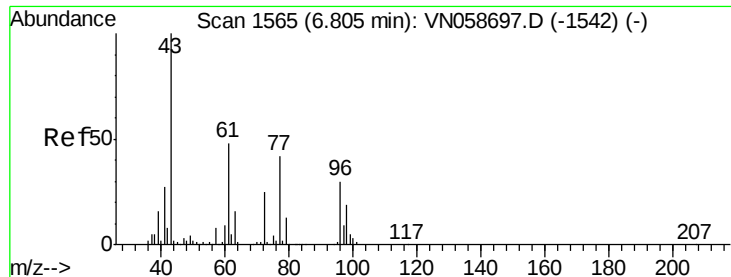
MMDadoda
10/16/2019 12:48:15 AM



#26
2,2-Dichloropropane
Concen: 5.710 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion: 77 Resp: 41780
Ion Ratio Lower Upper
77 100
97 20.2 10.7 31.9





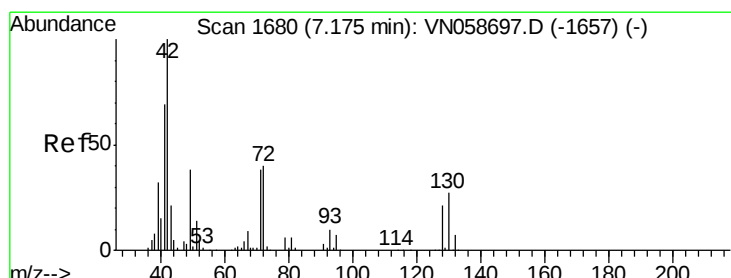
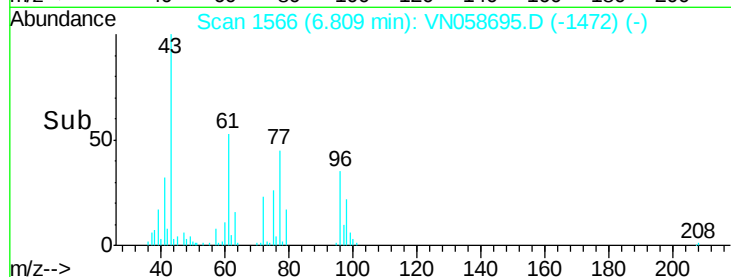
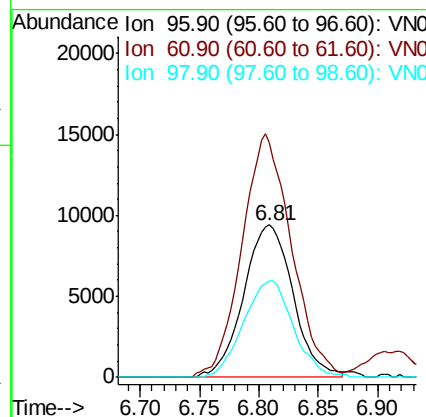
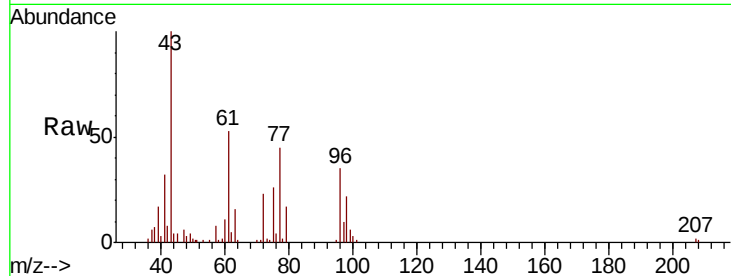
#27
 cis-1,2-Dichloroethene
 Concen: 5.226 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.3	0.0	324.8
98	63.8	0.0	129.2

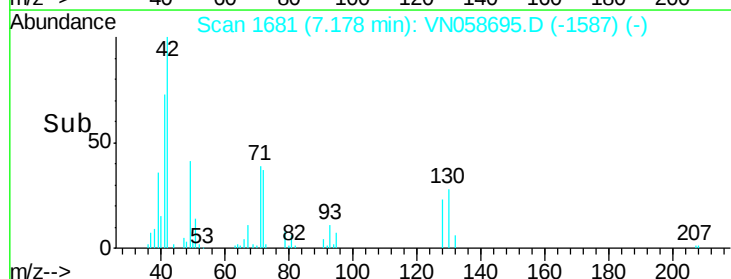
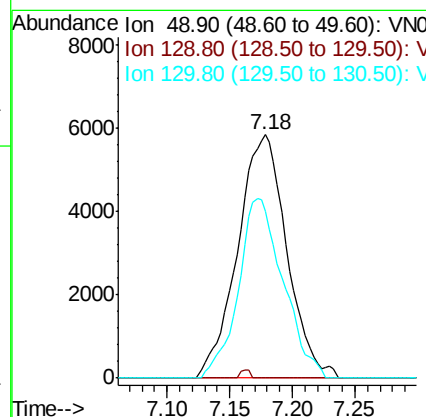
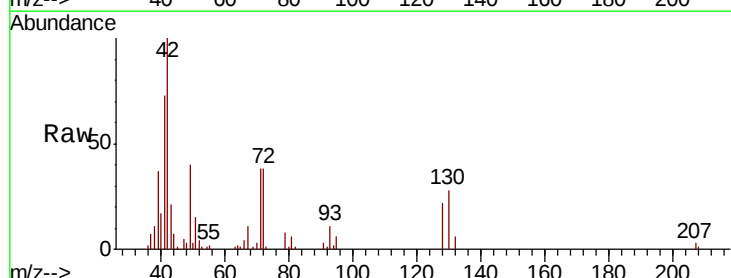
Manual Integrations
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#28
 Bromochloromethane
 Concen: 4.621 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.6
130	67.3	55.0	82.4





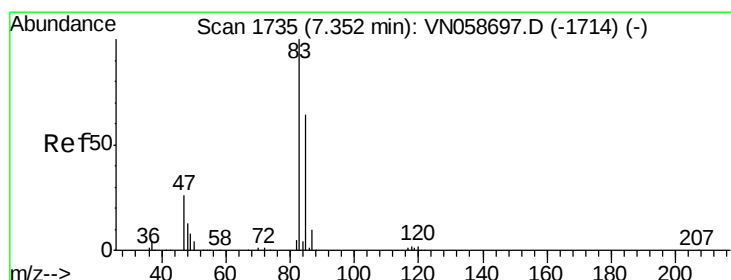
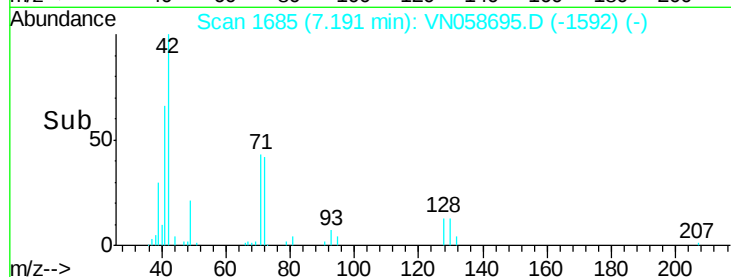
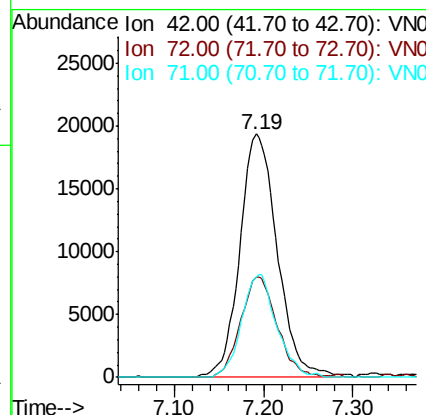
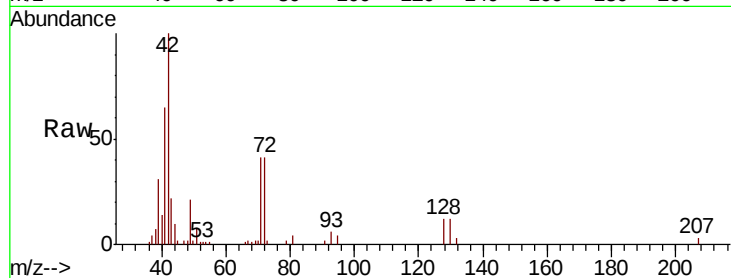
#29
Tetrahydrofuran
Concen: 29.622 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.8	49.2
71	39.2	31.1	46.7

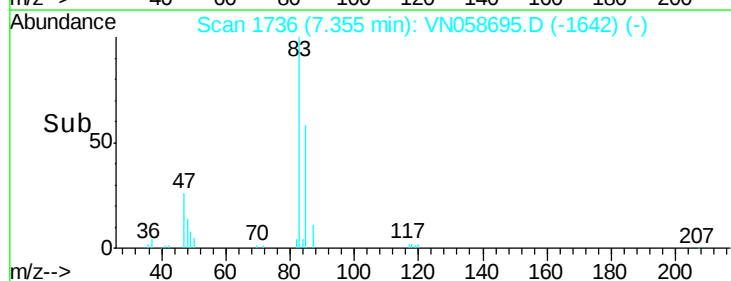
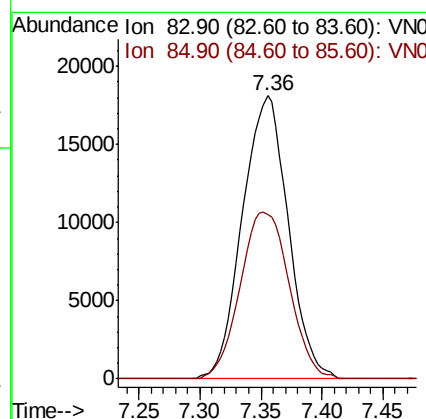
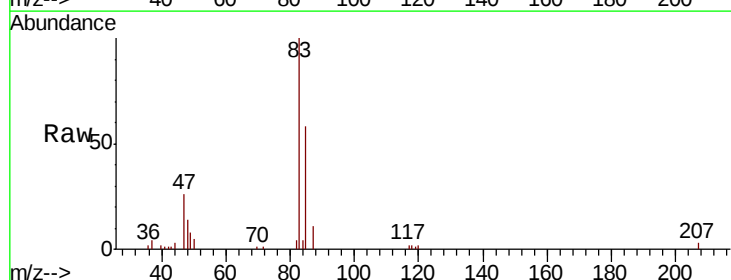
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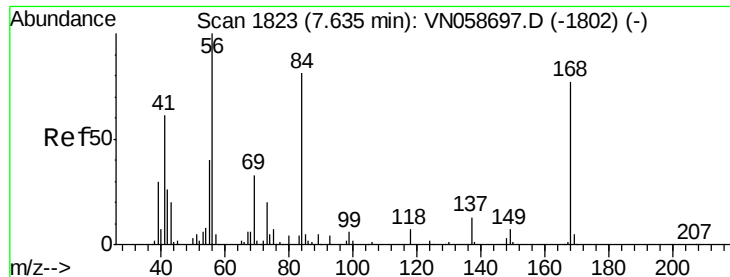
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#30
Chloroform
Concen: 5.292 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.1	51.0	76.6





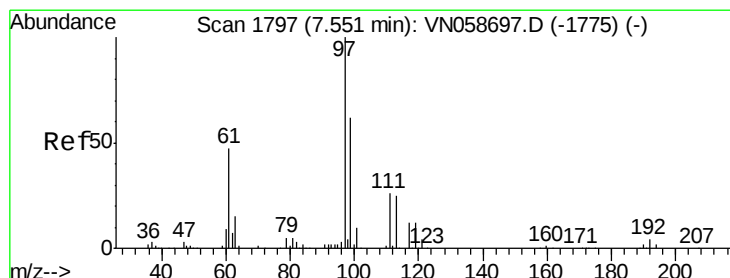
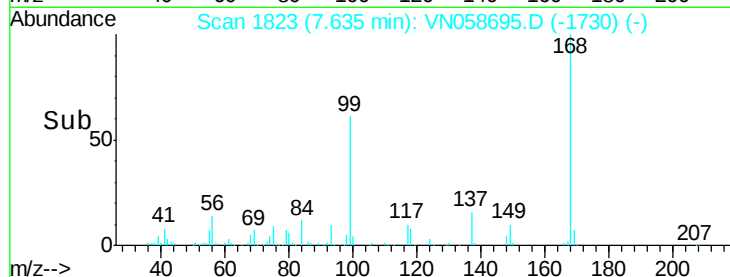
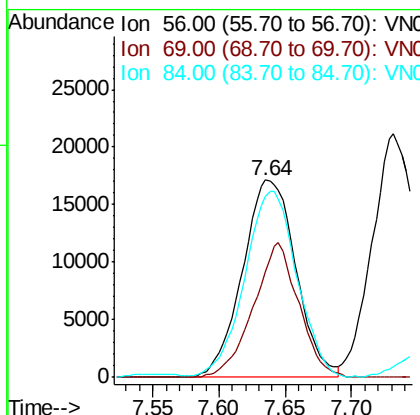
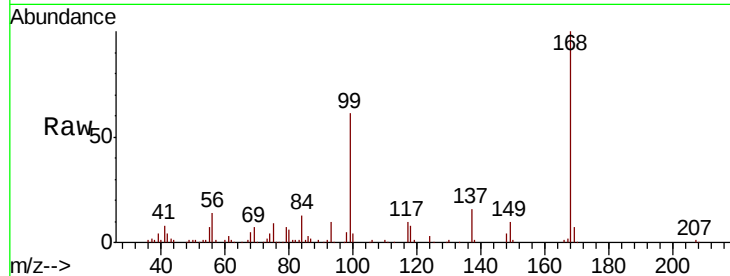
#31
Cyclohexane
Concen: 5.625 ug/l
RT: 7.64 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	53.4	26.2	39.4#
84	90.7	64.9	97.3

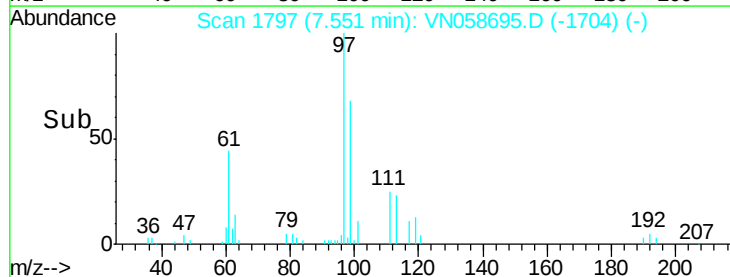
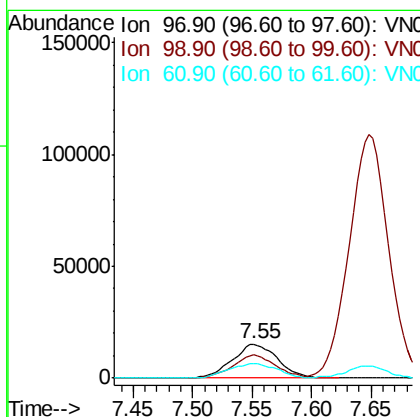
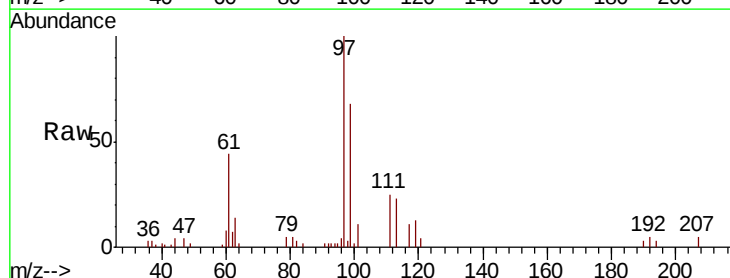
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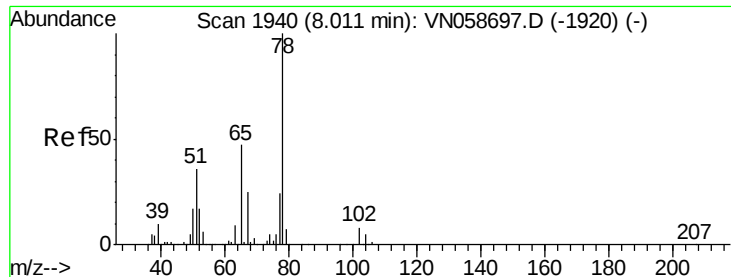
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#32
1,1,1-Trichloroethane
Concen: 5.411 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
97	100		
61	46.2	38.1	57.1
99	65.0	50.8	76.2





#33

1,2-Dichloroethane-d4

Concen: 4.823 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 29505

Ion Ratio Lower Upper

65 100

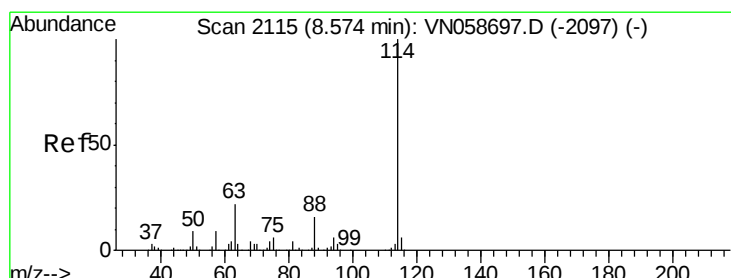
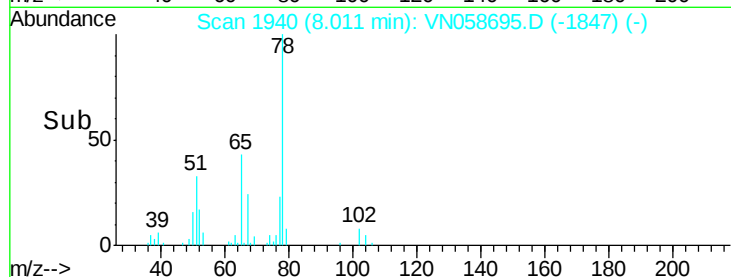
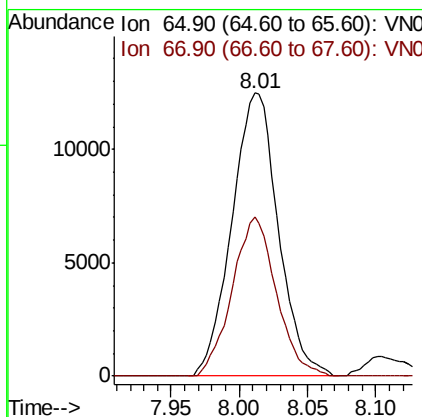
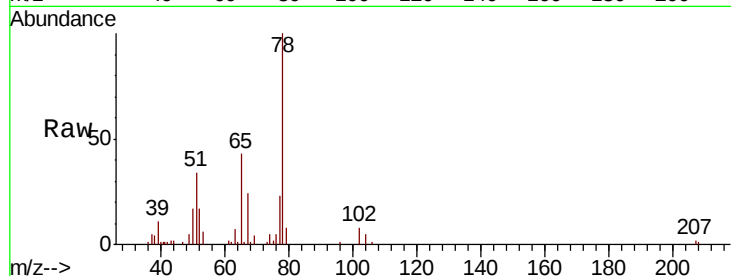
67 53.5 0.0 103.8

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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: VN058695.D

Acq: 11 Oct 2019 11:52

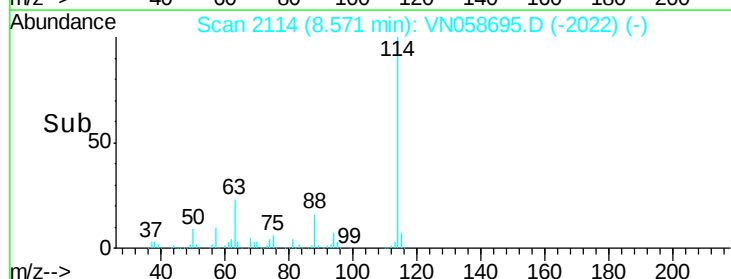
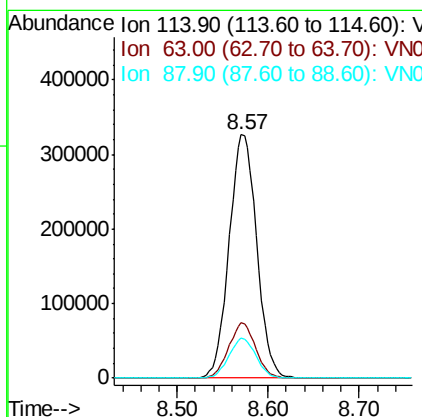
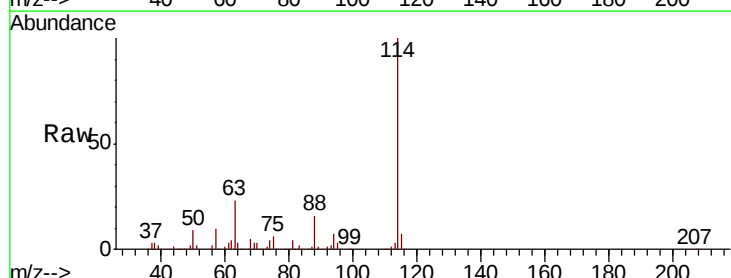
Tgt Ion: 114 Resp: 687829

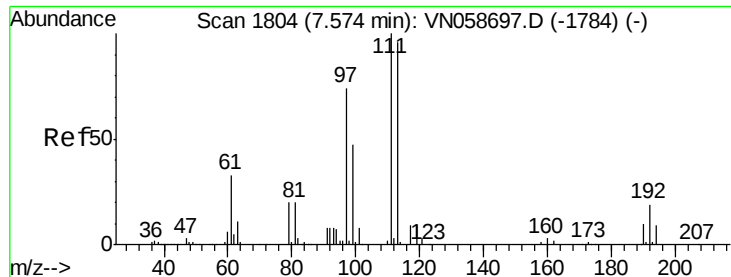
Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.8

88 16.4 0.0 32.0





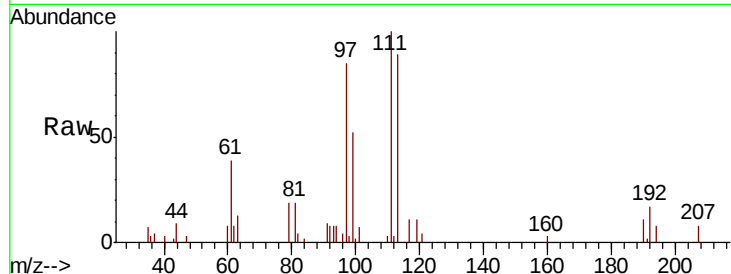
#35
Dibromofluoromethane
Concen: 4.749 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	109.7	82.3	123.5
192	20.1	15.0	22.6

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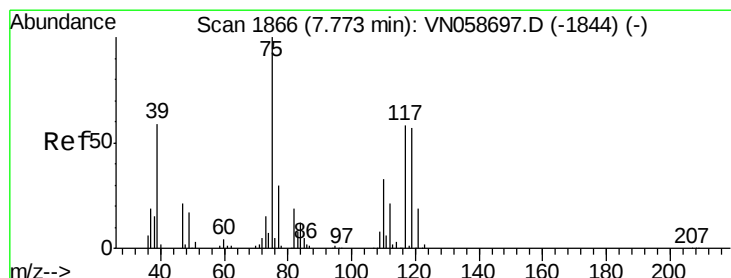
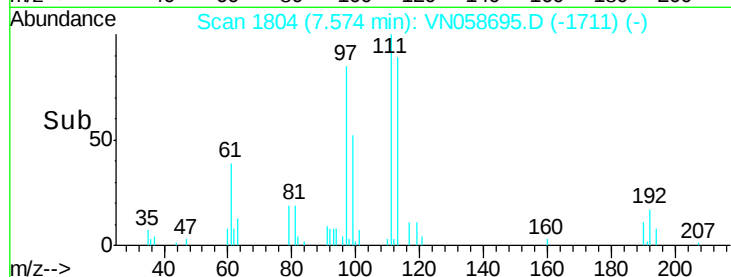
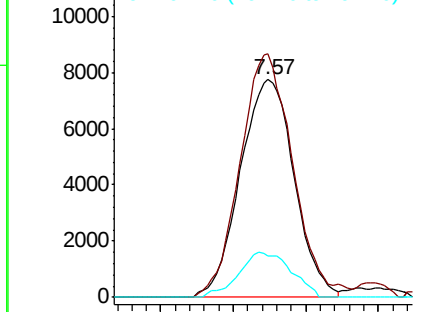


Abundance

Ion 112.80 (112.50 to 113.50): V

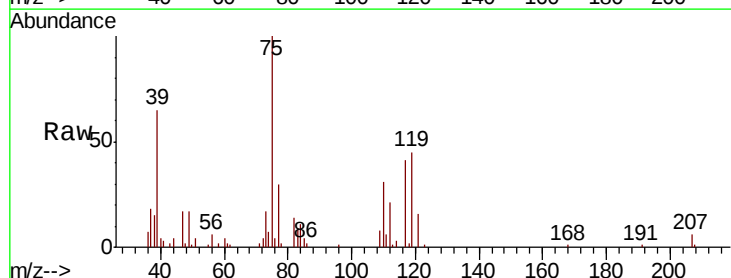
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 5.276 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.4	16.6	49.8
77	29.7	24.6	37.0

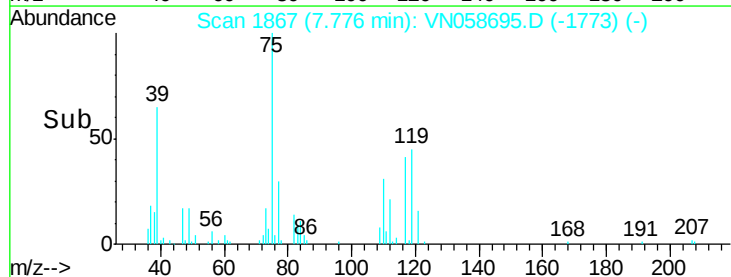
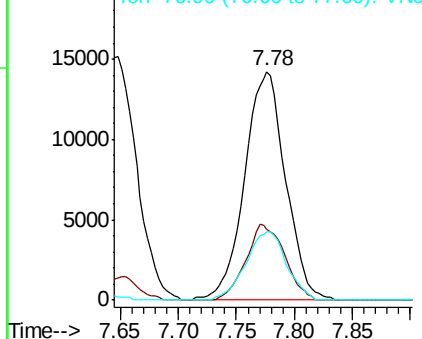


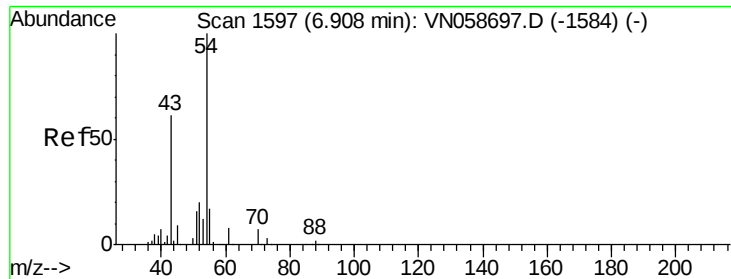
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





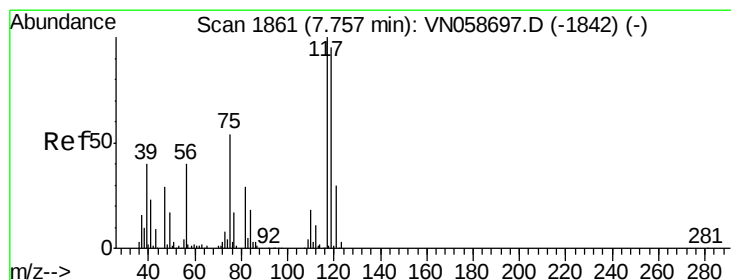
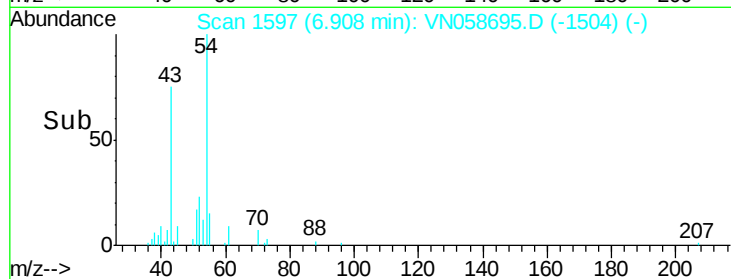
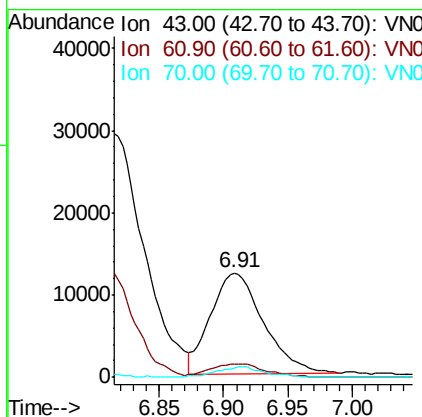
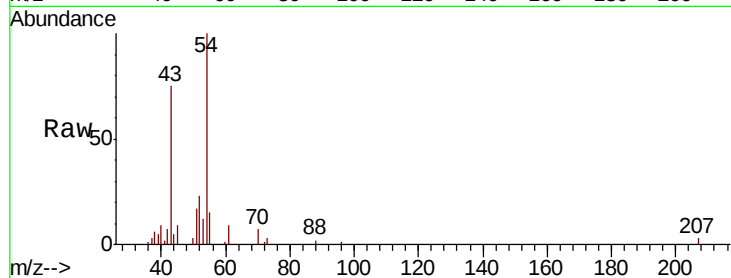
#37
Ethyl Acetate
Concen: 6.051 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.3	16.9
70	9.5	7.2	10.8

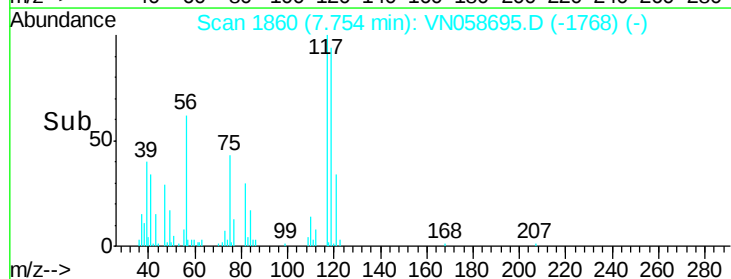
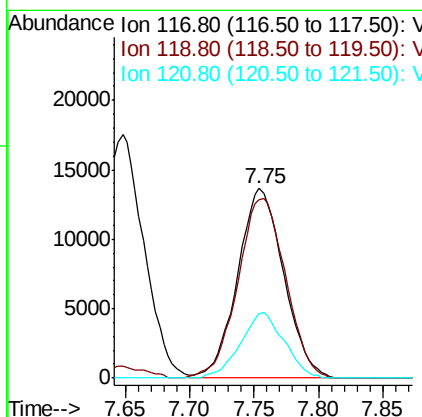
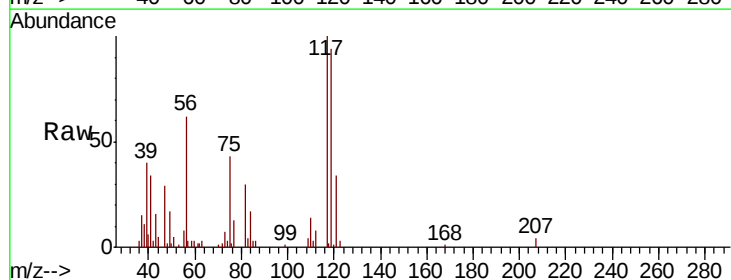
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#38
Carbon Tetrachloride
Concen: 5.616 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.7	113.5
121	33.9	23.9	35.9





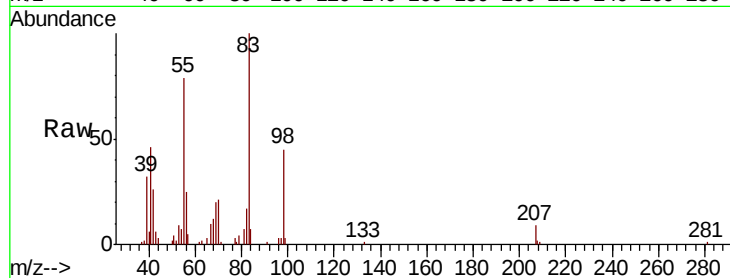
#39
Methvlcvclohexane
Concen: 5.058 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

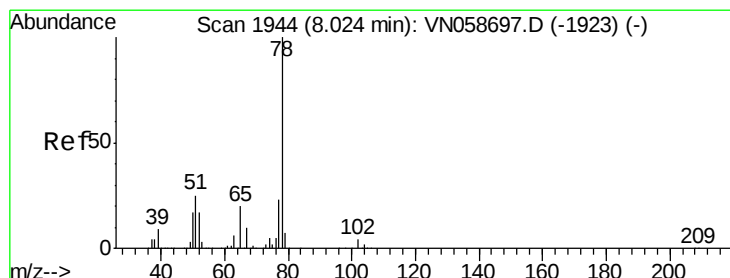
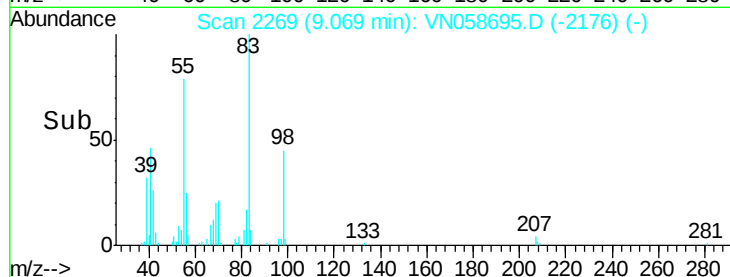
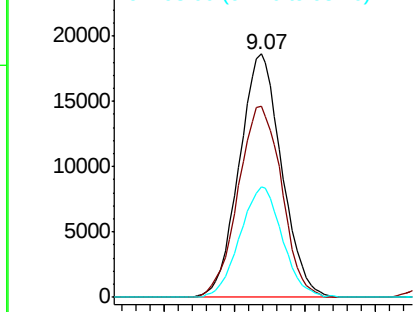
Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	63.4	95.0
98	45.3	35.1	52.7

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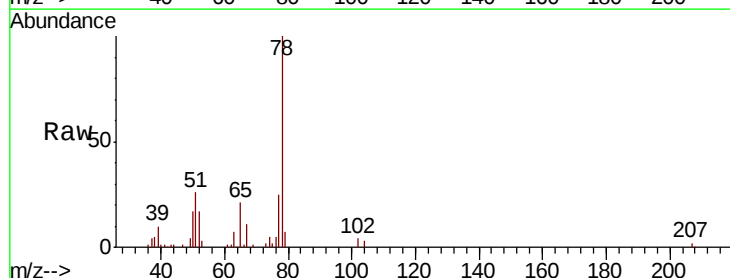


Abundance Ion 83.00 (82.70 to 83.70): VNC
Ion 55.00 (54.70 to 55.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

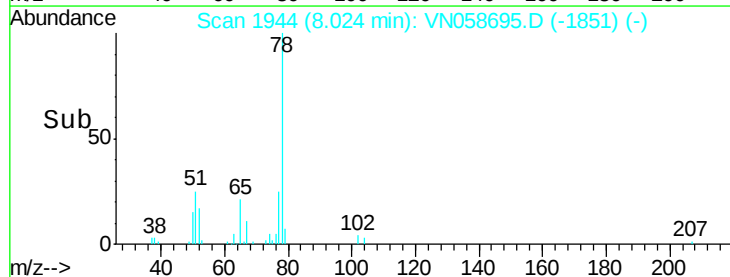
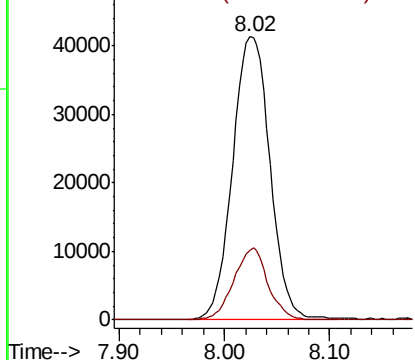


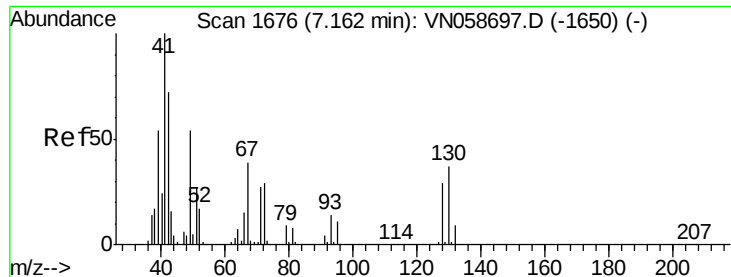
#40
Benzene
Concen: 5.364 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VNC
Ion 77.00 (76.70 to 77.70): VNC





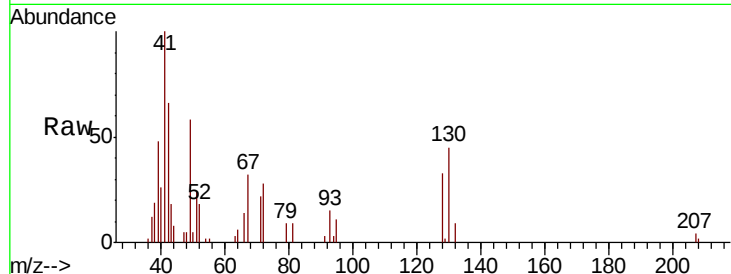
#41
Methacrylonitrile
Concen: 6.496 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

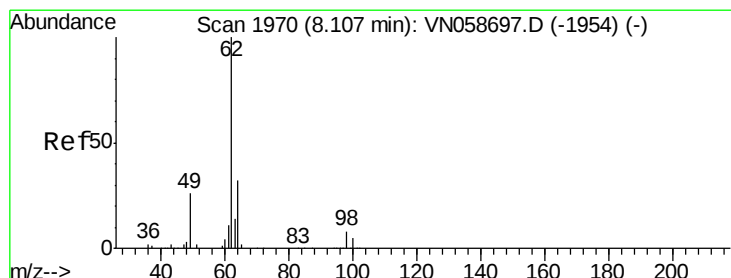
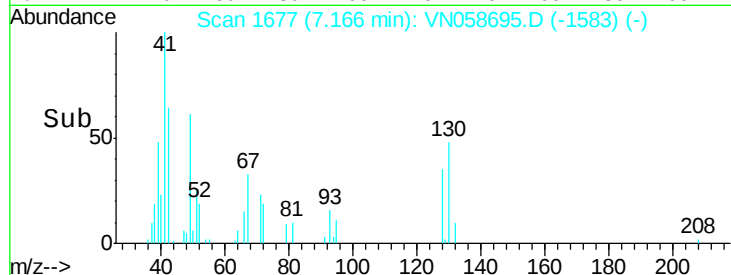
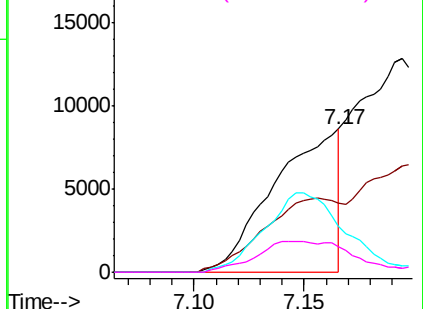
Tot Ion	Ratio	Lower	Upper
41	100		
39	84.9	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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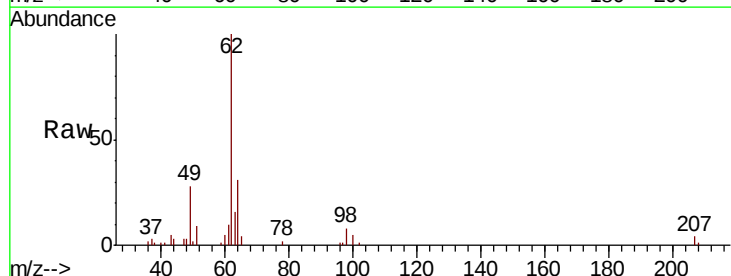


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

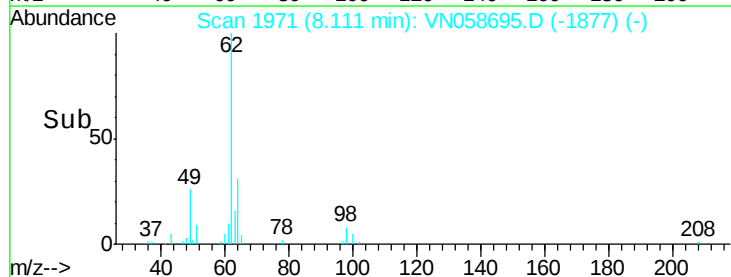
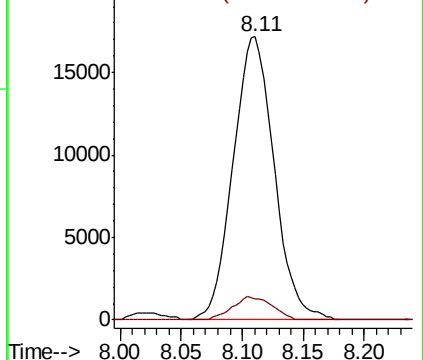


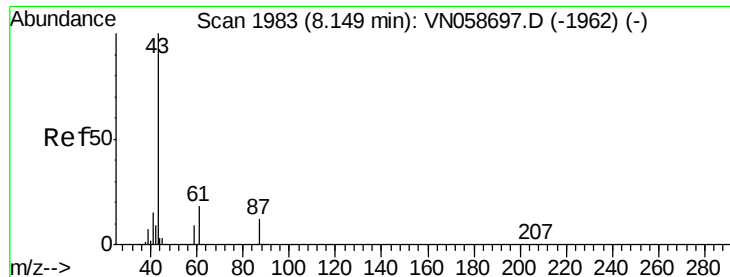
#42
1,2-Dichloroethane
Concen: 5.396 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





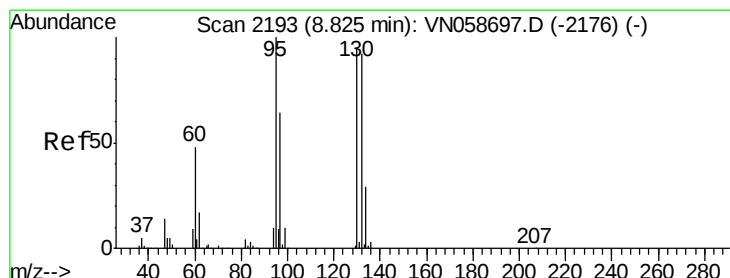
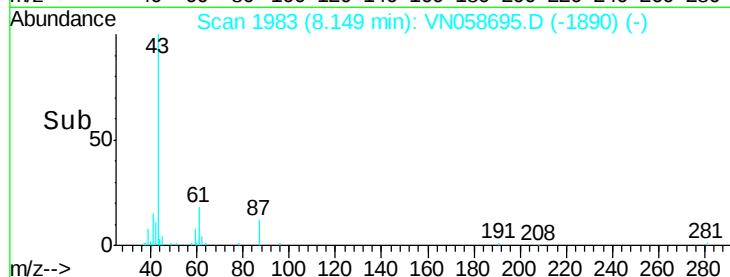
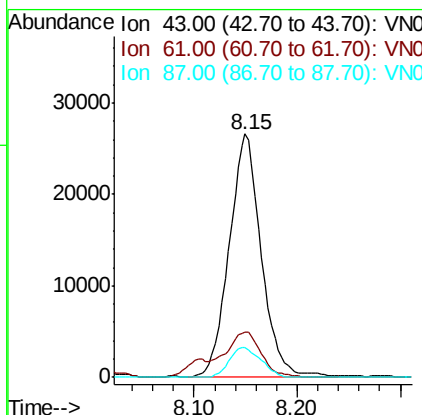
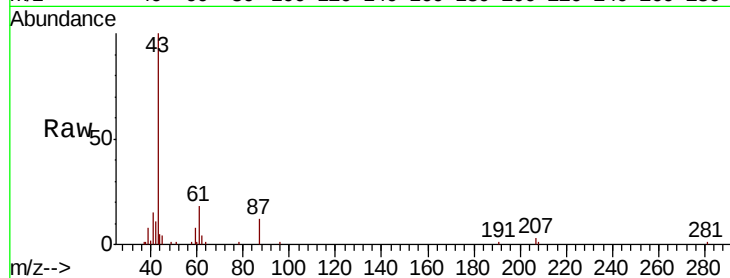
#43
Isopropyl Acetate
Concen: 5.374 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	20.3	30.5#
87	12.0	9.8	14.6

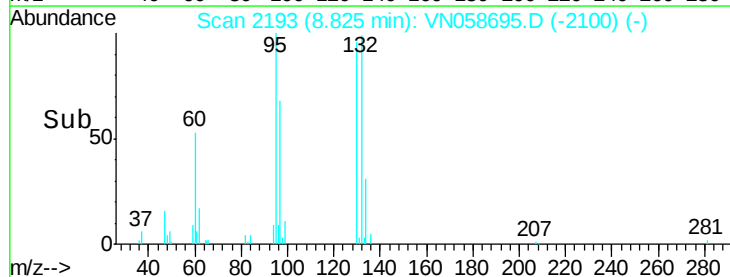
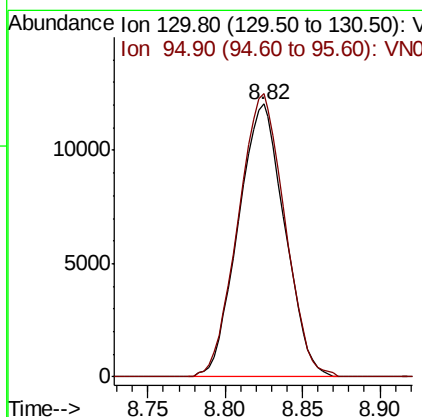
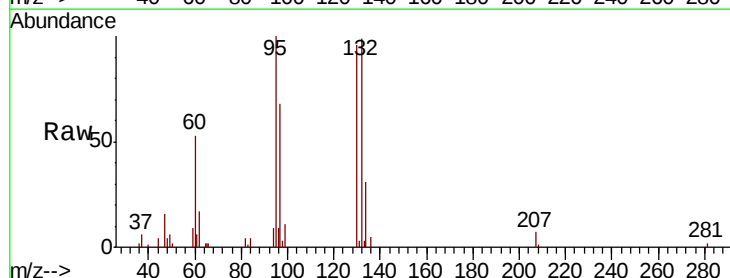
Manual Integrations
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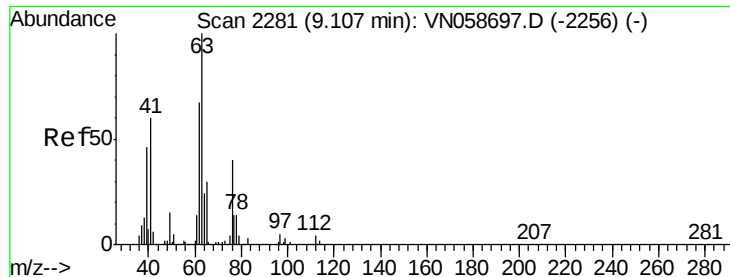
MMDadoda
10/16/2019 12:48:15 AM



#44
Trichloroethene
Concen: 5.368 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	211.2





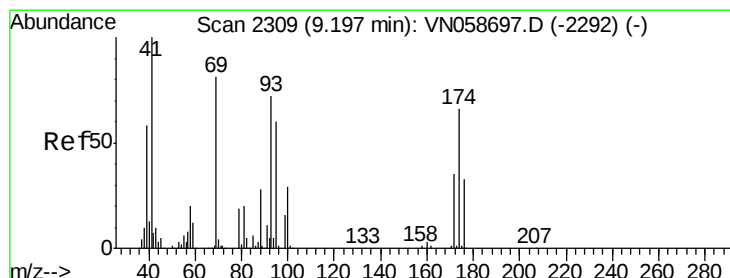
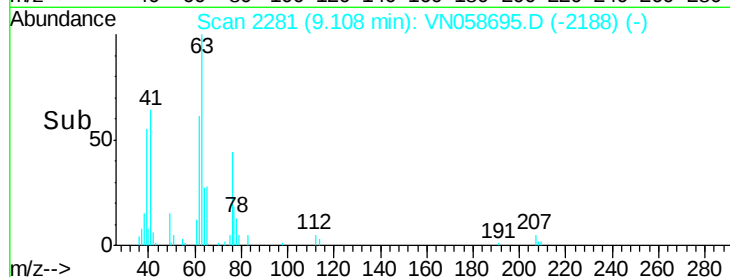
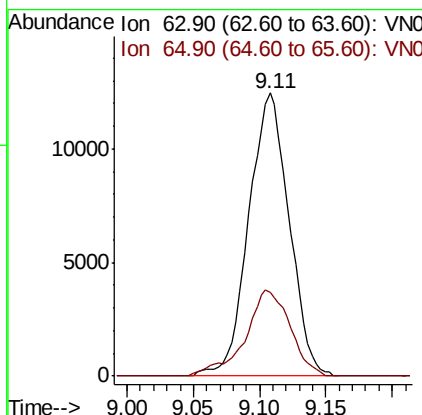
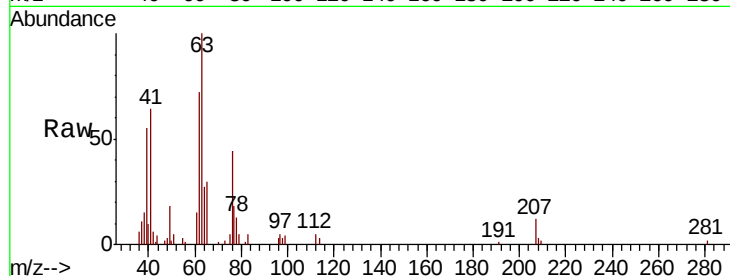
#45
 1,2-Dichloropropane
 Concen: 5.176 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.1	36.1

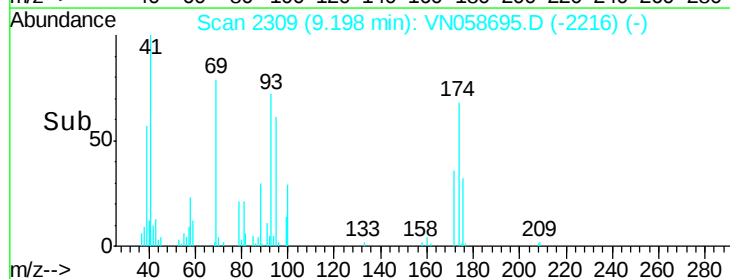
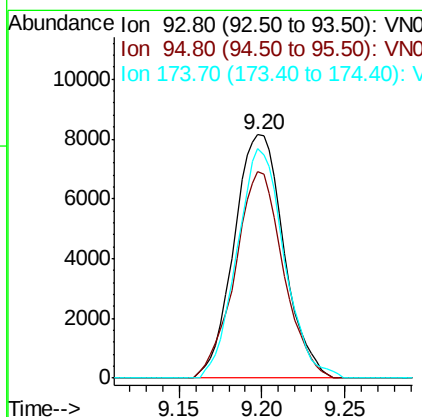
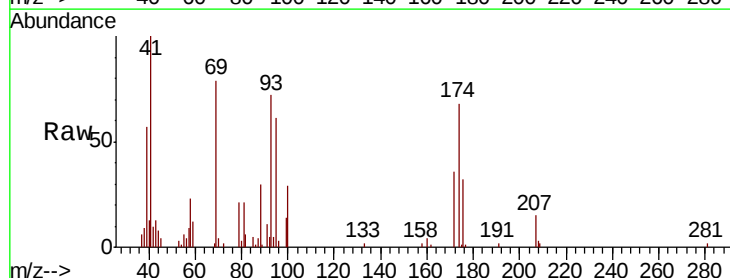
Manual Integrations
 APPROVED

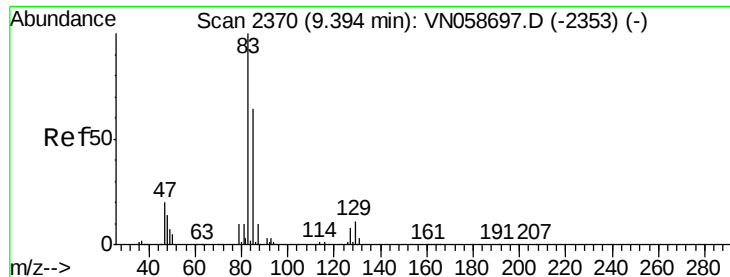
MMDadoda
 10/16/2019 12:48:15 AM



#46
 Dibromomethane
 Concen: 5.268 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	66.6	100.0
174	89.3	75.2	112.8





#47

Bromodichloromethane

Concen: 5.374 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

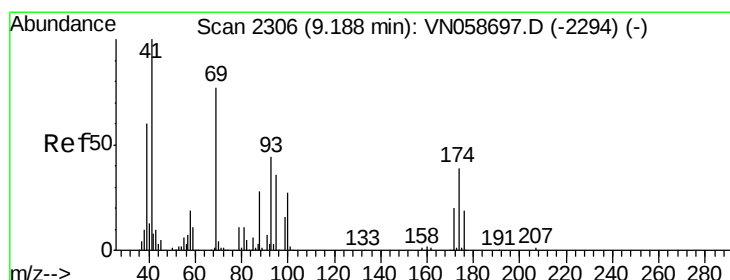
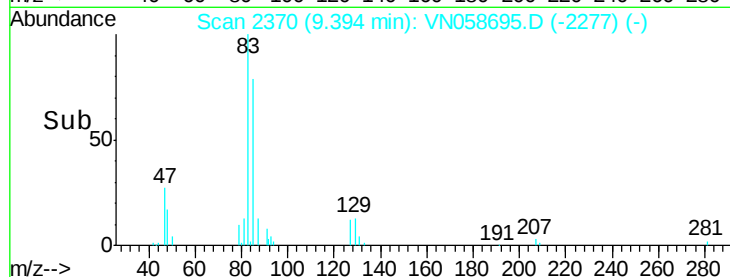
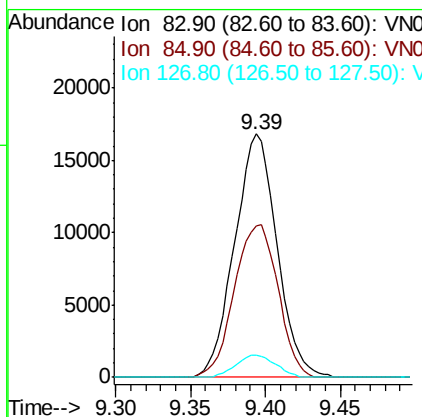
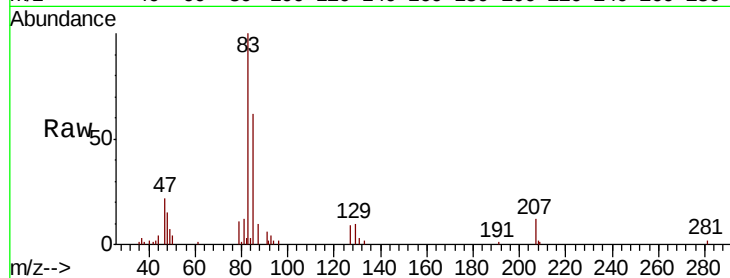
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	33234
Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.9	76.3
127	9.1	6.3	9.5

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 5.087 ug/l

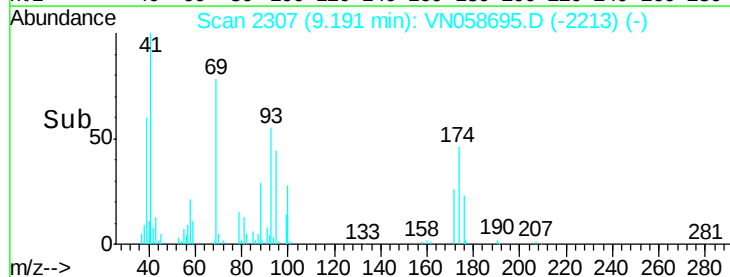
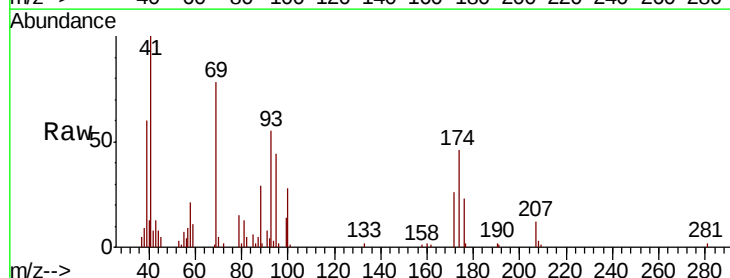
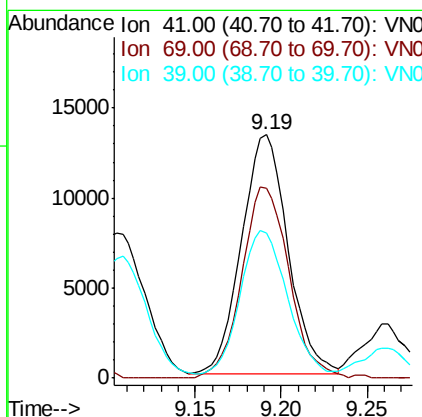
RT: 9.19 min Scan# 2307

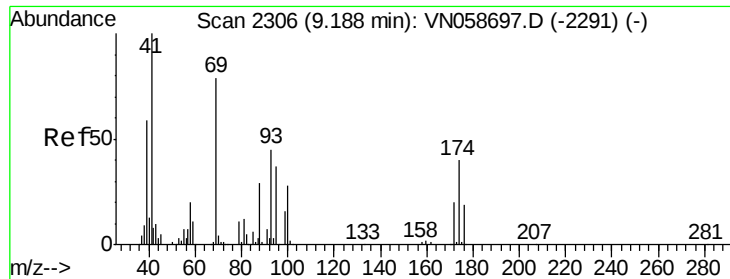
Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Tgt Ion:	41	Resp:	24853
Ion	Ratio	Lower	Upper
41	100		
69	81.6	63.4	95.2
39	64.8	48.9	73.3





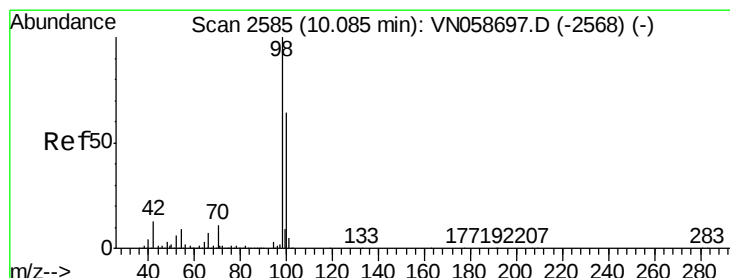
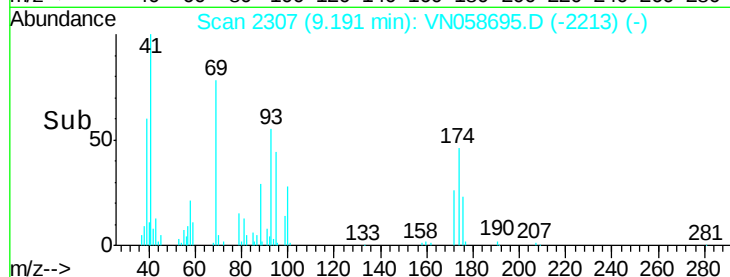
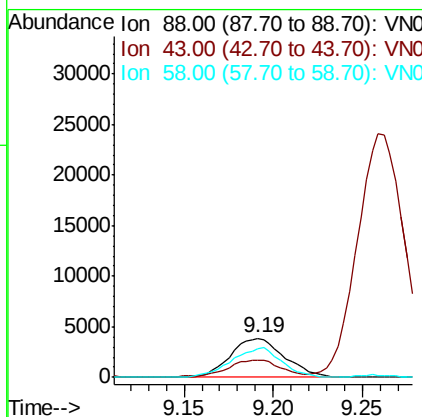
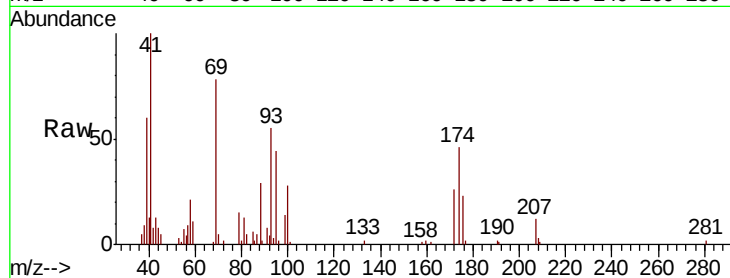
#49
1,4-Dioxane
Concen: 122.786 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.5	28.6	43.0#
58	69.9	57.2	85.8

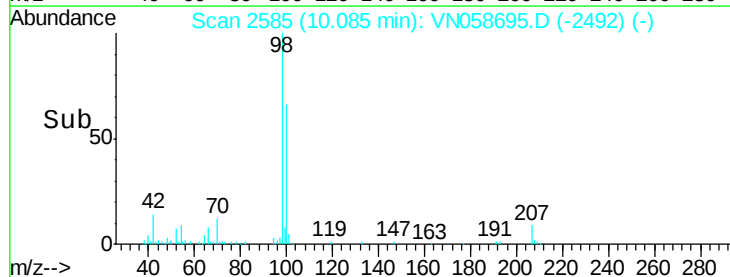
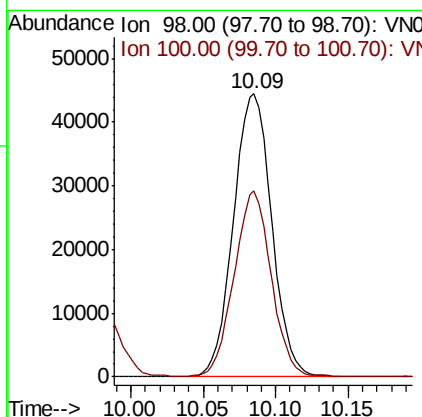
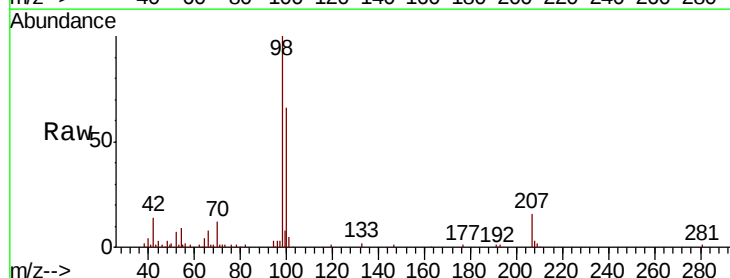
Manual Integrations
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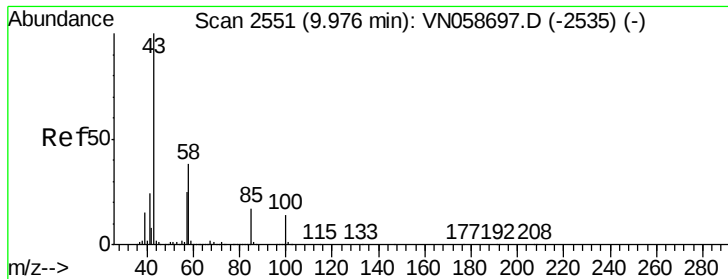
MMDadoda
10/16/2019 12:48:15 AM



#50
Toluene-d8
Concen: 4.938 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 30.459 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 171543

Ion Ratio Lower Upper

43 100

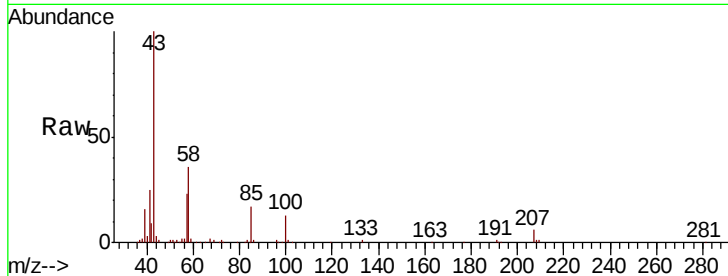
58 36.1 30.3 45.5

Manual Integrations

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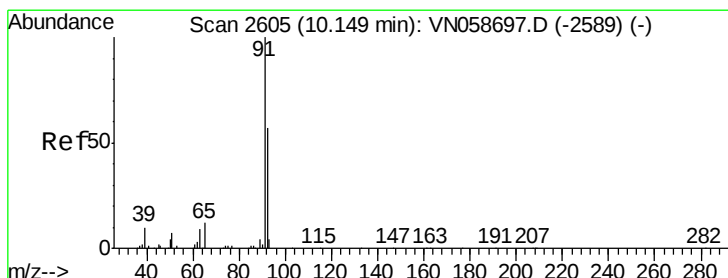
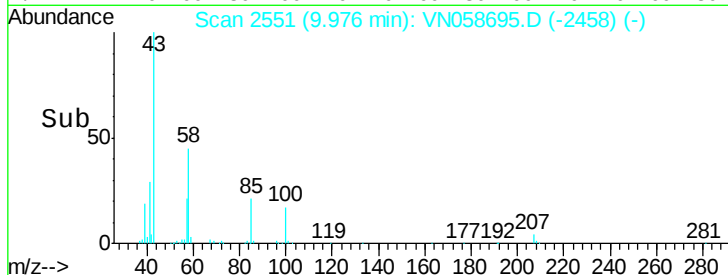
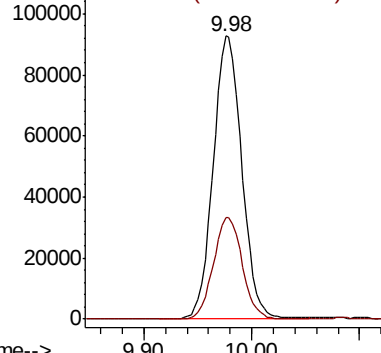
MMDadoda

10/16/2019 12:48:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 4.987 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058695.D

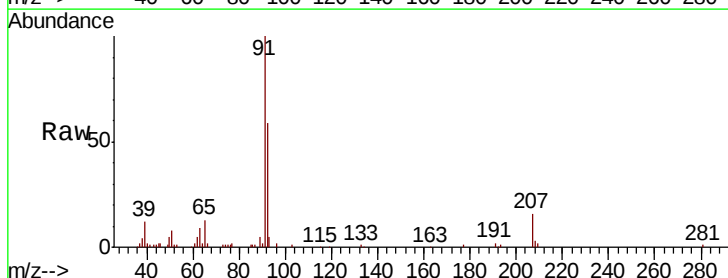
Acq: 11 Oct 2019 11:52

Tgt Ion: 92 Resp: 59768

Ion Ratio Lower Upper

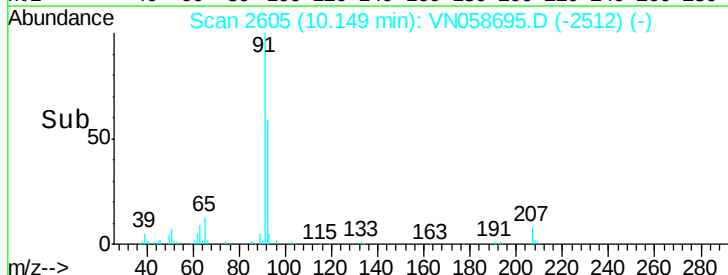
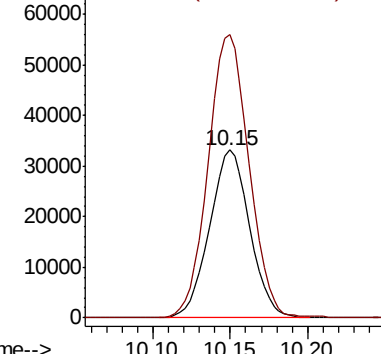
92 100

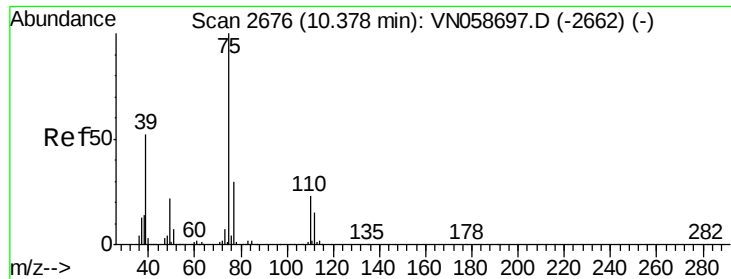
91 172.1 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





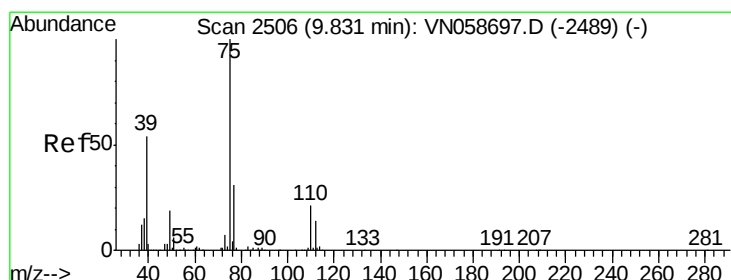
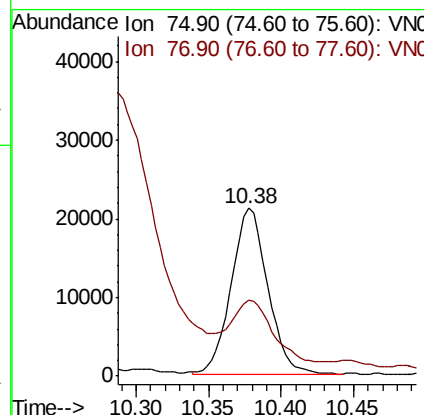
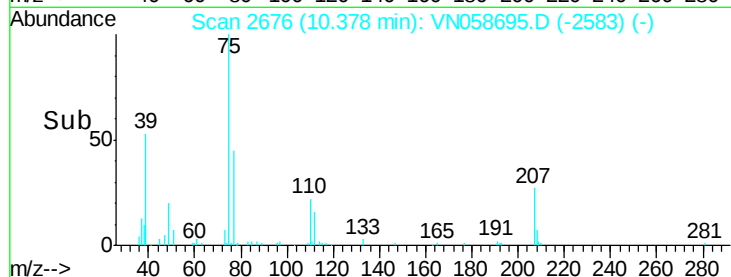
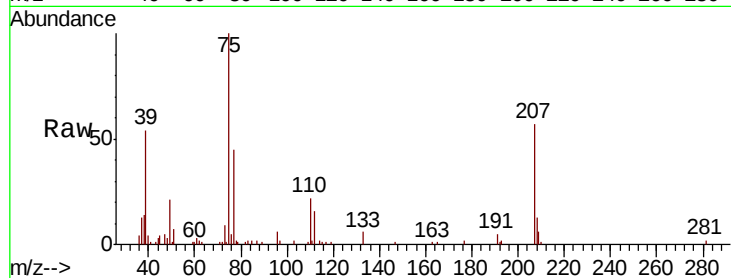
#53
t-1,3-Dichloropropene
Concen: 5.459 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	36.4	26.2	39.4

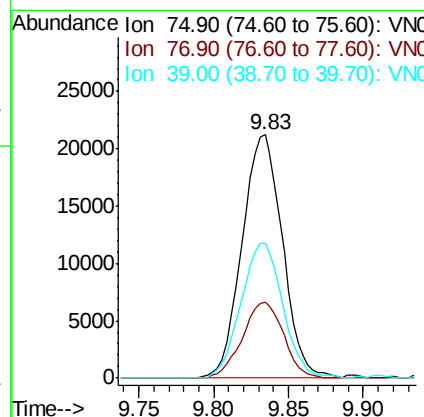
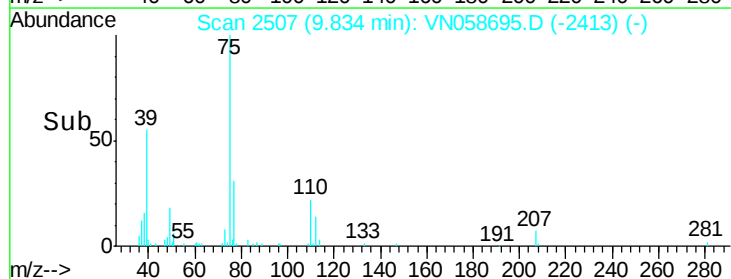
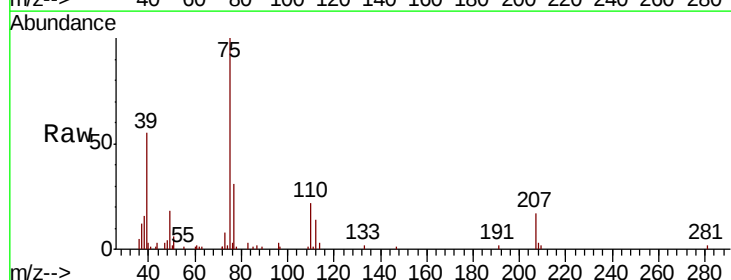
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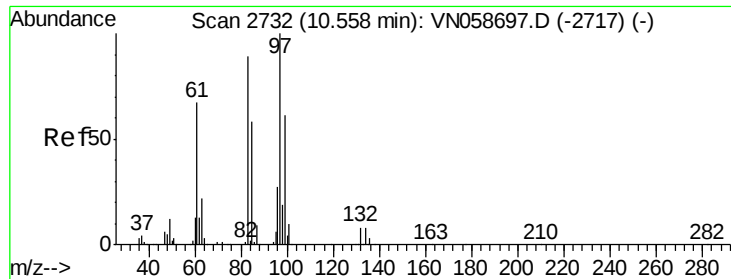
MMDadoda
10/16/2019 12:48:15 AM



#54
cis-1,3-Dichloropropene
Concen: 5.367 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.4	36.6
39	55.4	43.1	64.7





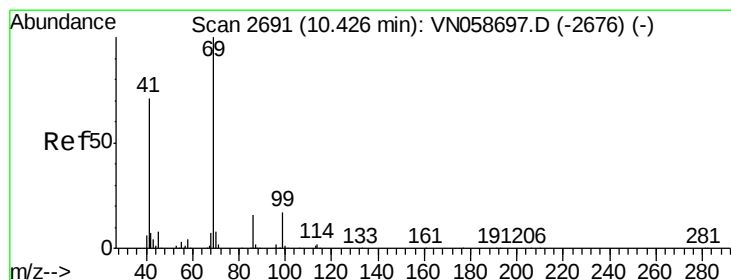
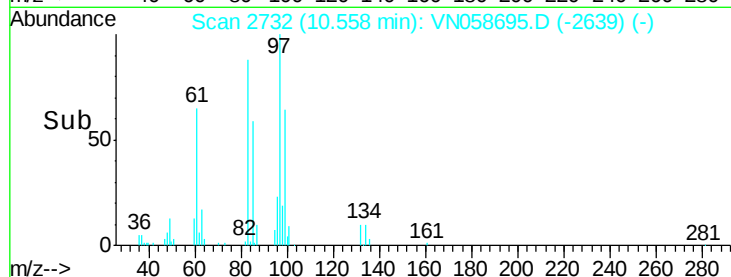
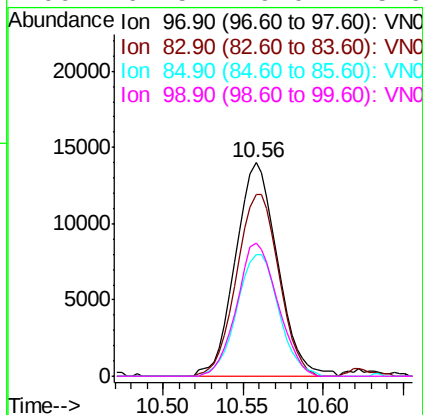
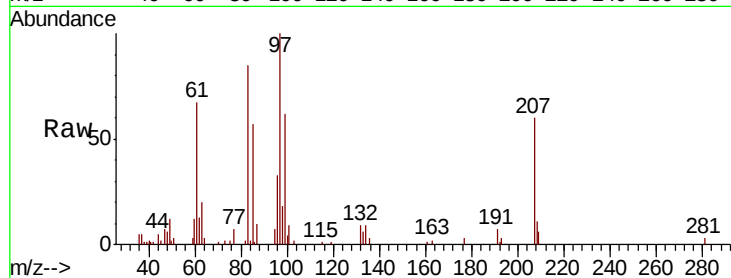
#55
 1,1,2-Trichloroethane
 Concen: 5.740 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	25131
Ion	Ratio	Lower	Upper
97	100		
83	85.1	71.2	106.8
85	57.2	46.7	70.1
99	62.5	49.0	73.6

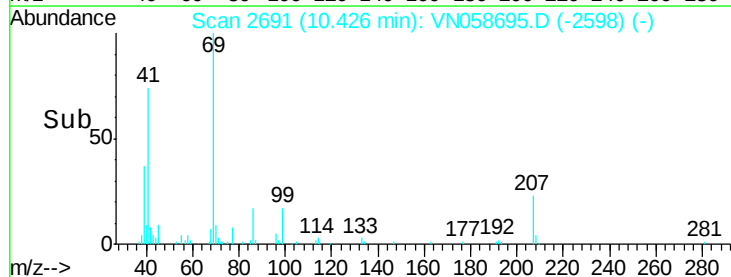
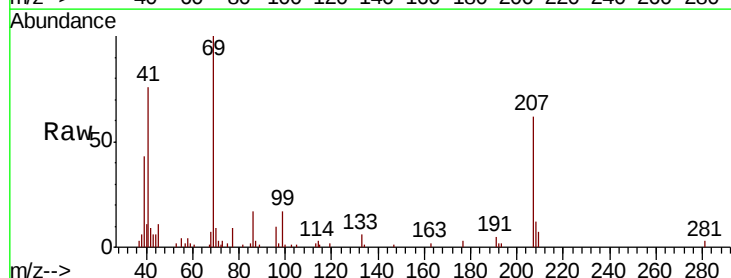
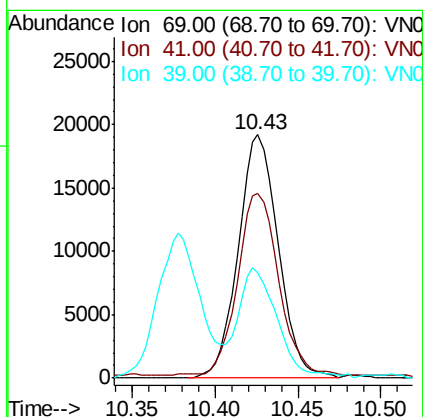
Manual Integrations
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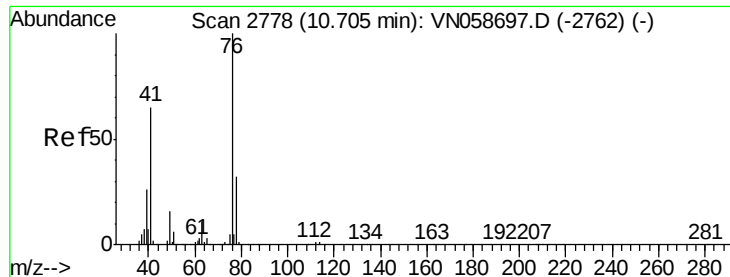
MMDadoda
 10/16/2019 12:48:15 AM



#56
 Ethyl methacrylate
 Concen: 4.821 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Tgt Ion:	69	Resp:	32254
Ion	Ratio	Lower	Upper
69	100		
41	76.8	56.8	85.2
39	45.3	32.5	48.7





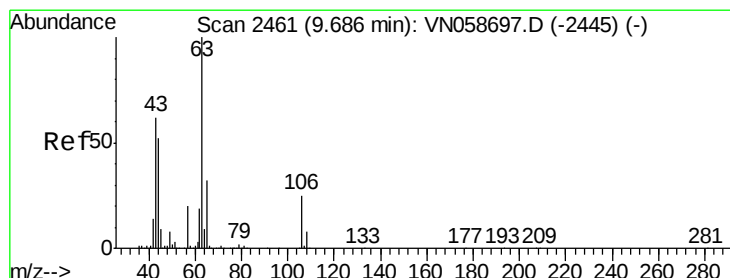
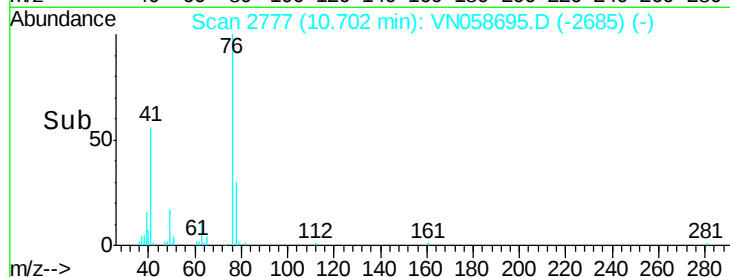
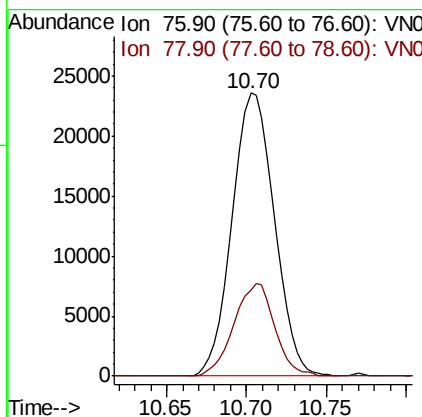
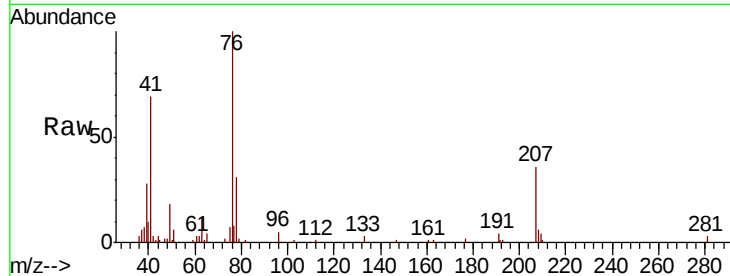
#57
 1,3-Dichloropropane
 Concen: 5.439 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.9	38.9

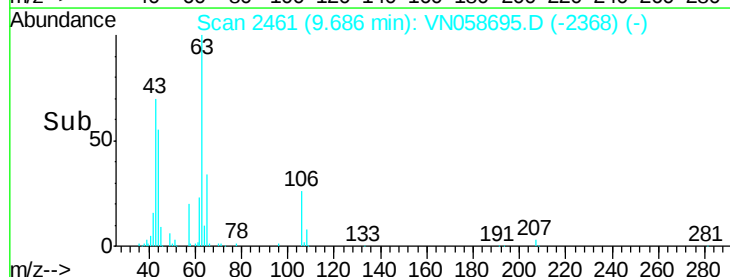
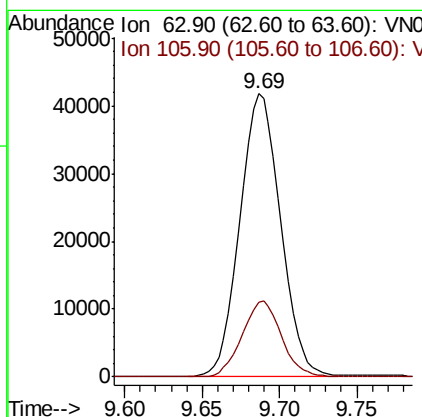
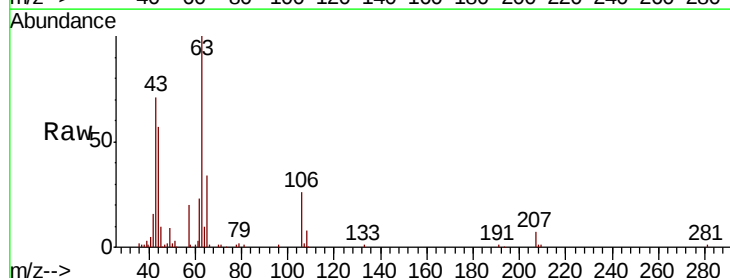
Manual Integrations
 APPROVED

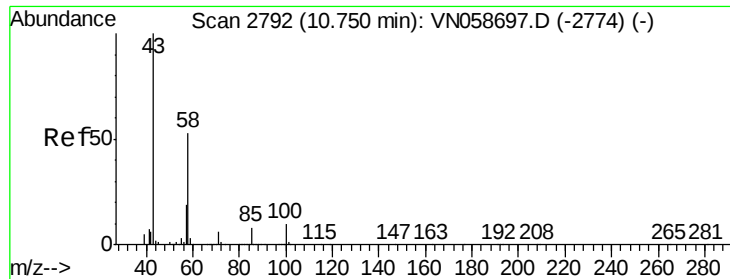
MMDadoda
 10/16/2019 12:48:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 27.718 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.7	20.0	30.0





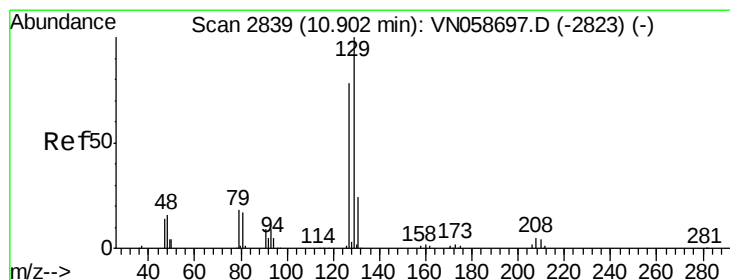
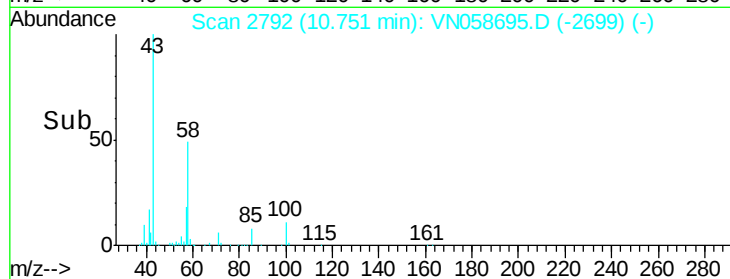
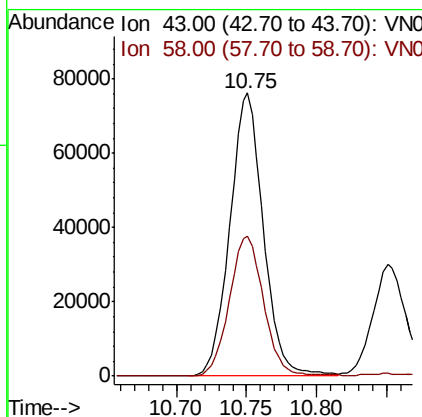
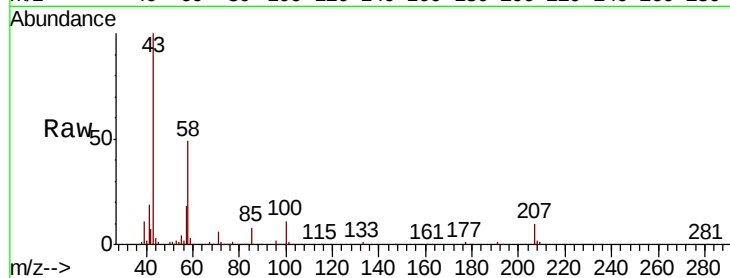
#59
2-Hexanone
Concen: 30.234 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.1	26.1	78.3

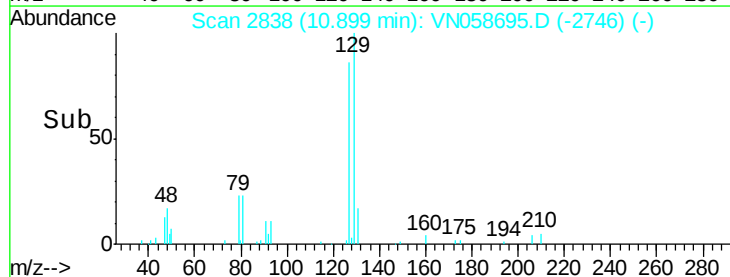
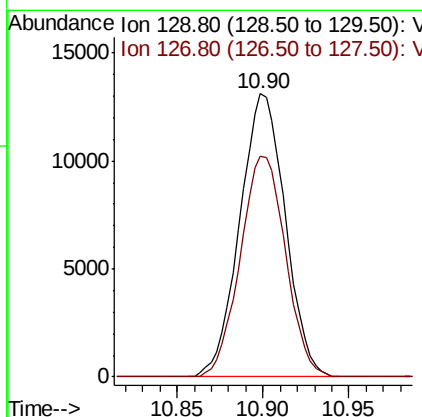
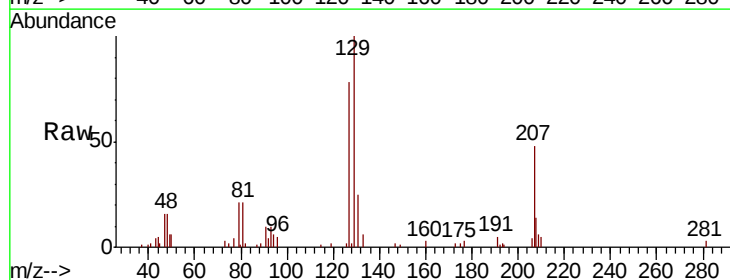
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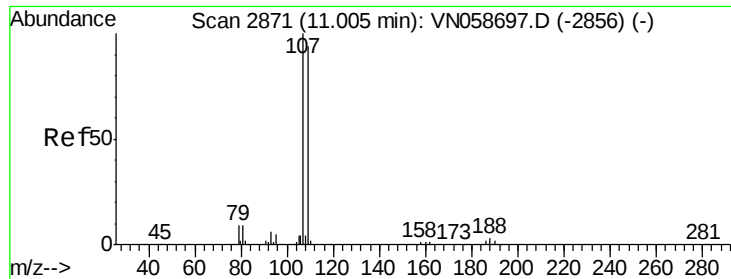
MMDadoda
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#60
Dibromochloromethane
Concen: 5.687 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.3





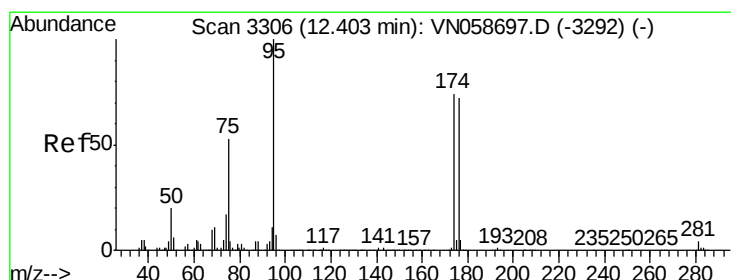
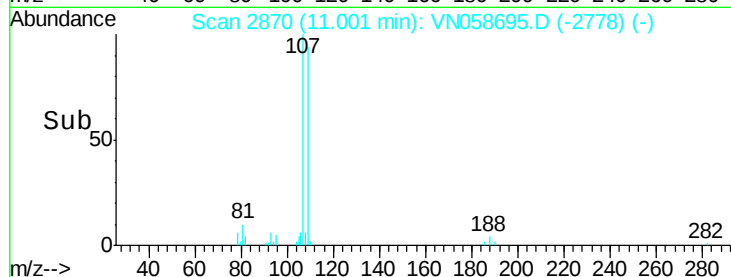
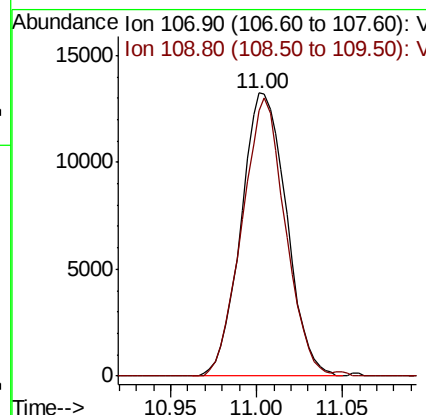
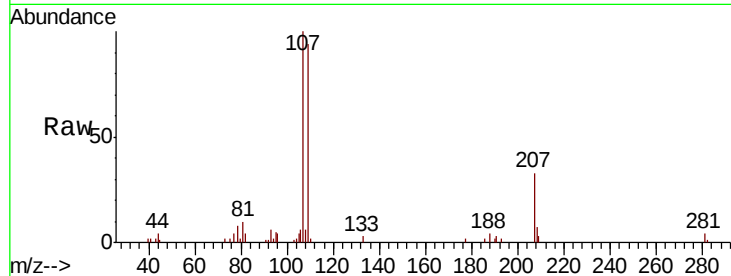
#61
 1,2-Dibromoethane
 Concen: 5.404 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 24273
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.4 113.0

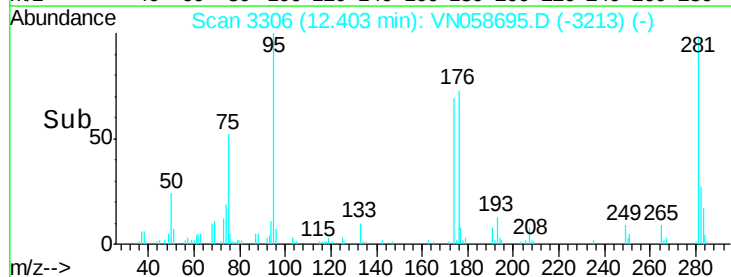
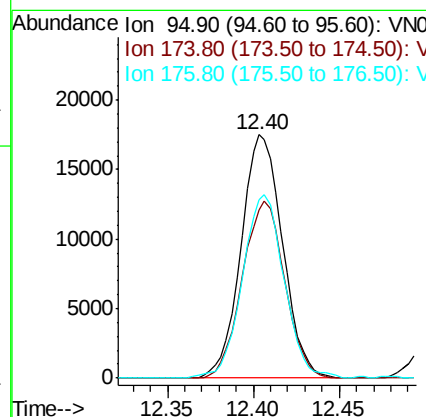
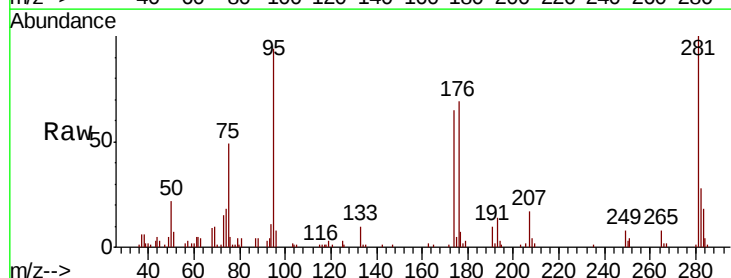
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#62
 4-Bromofluorobenzene
 Concen: 4.853 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Tgt Ion: 95 Resp: 29321
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 150.4
 176 75.9 0.0 146.8





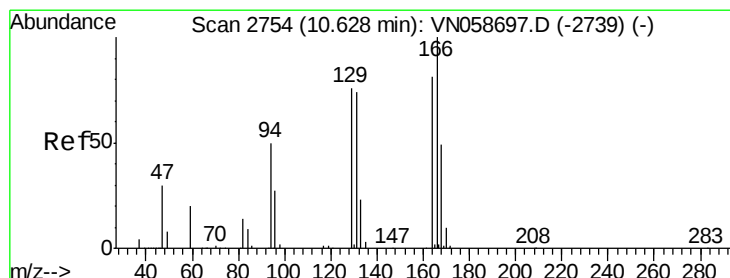
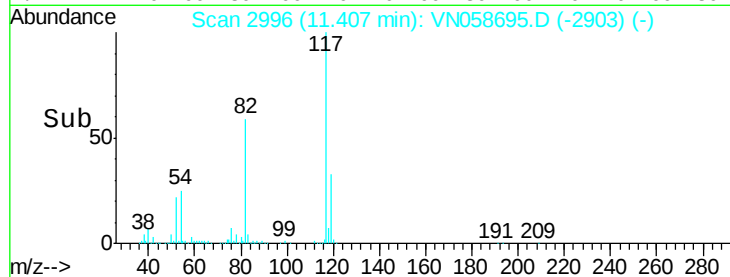
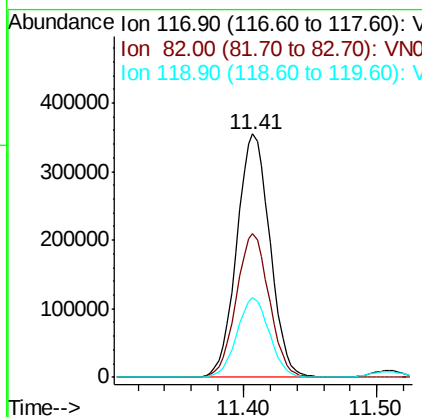
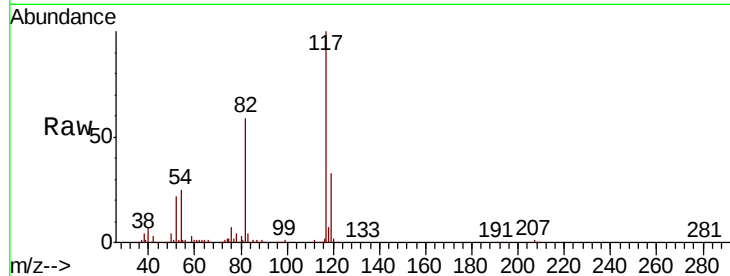
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	616215		
82	58.9		47.0	70.4
119	32.6		25.4	38.2

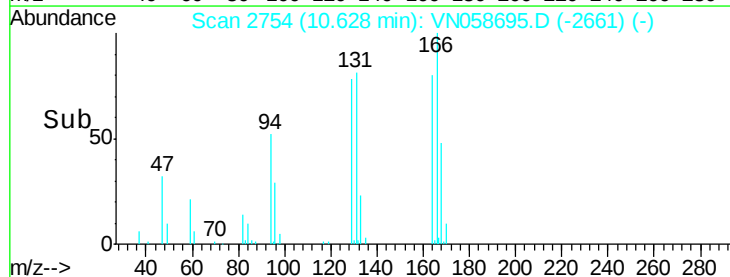
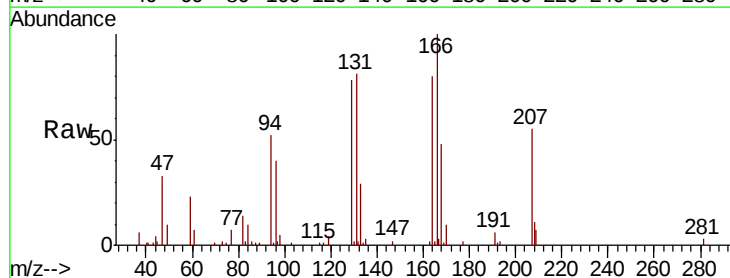
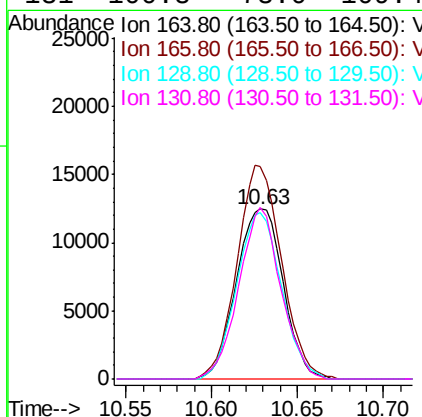
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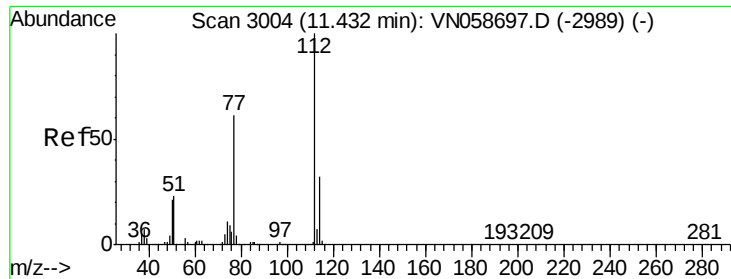
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#64
Tetrachloroethene
Concen: 5.928 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	23498		
166	125.2		99.3	148.9
129	97.7		75.2	112.8
131	100.8		73.0	109.4





#65

Chlorobenzene

Concen: 5.219 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 63983

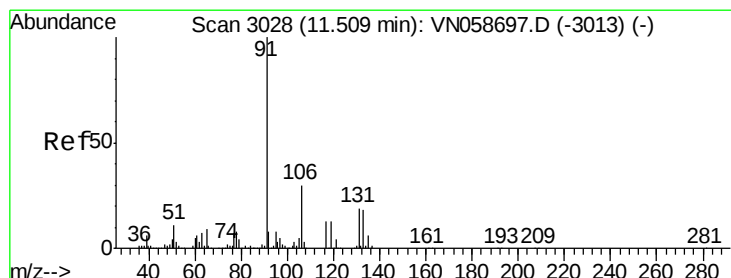
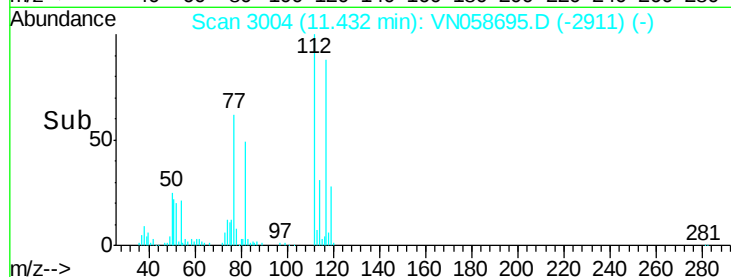
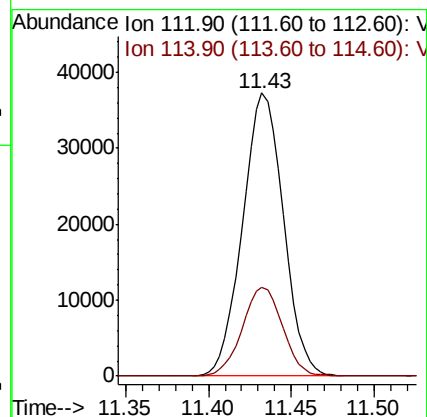
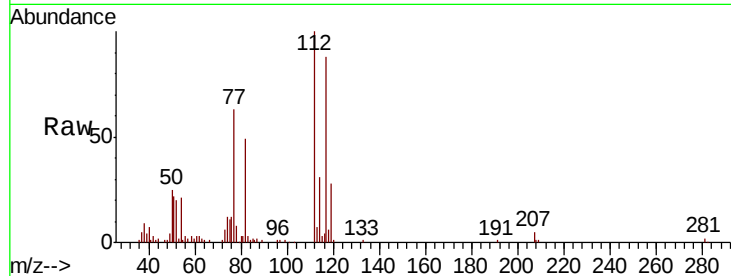
Ion Ratio Lower Upper

112 100

114 31.3 25.2 37.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 5.507 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

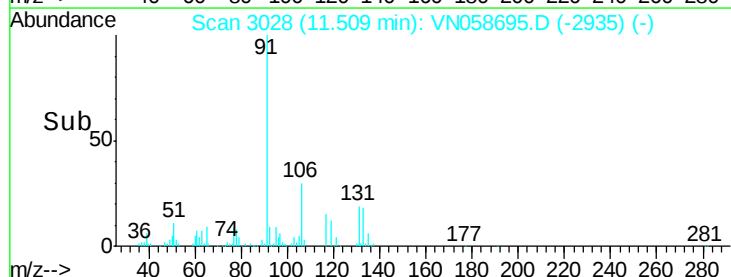
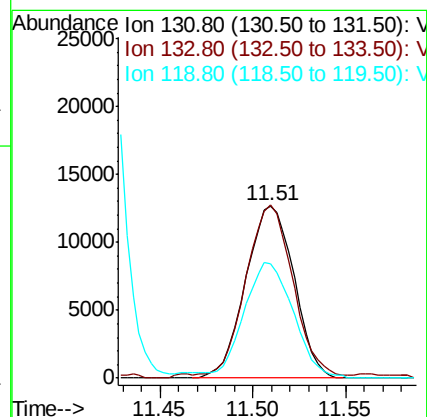
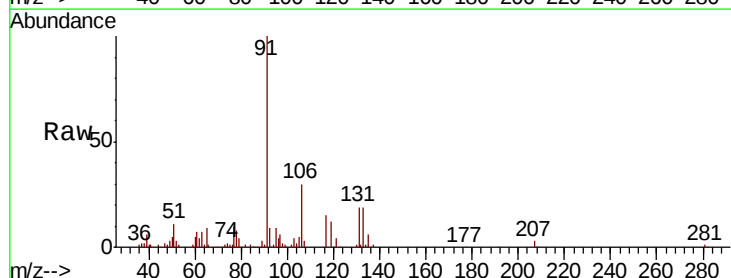
Tgt Ion:131 Resp: 22983

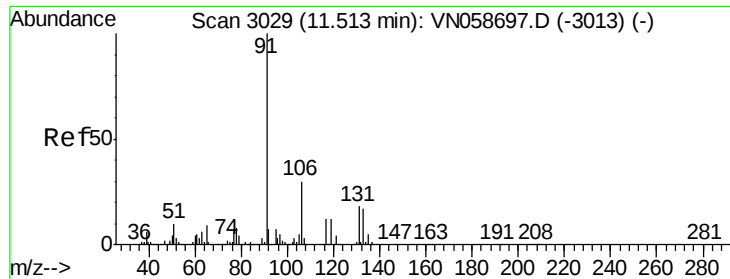
Ion Ratio Lower Upper

131 100

133 100.3 47.6 142.9

119 68.2 33.0 98.9





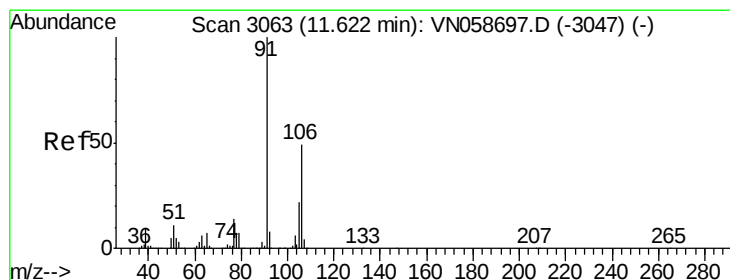
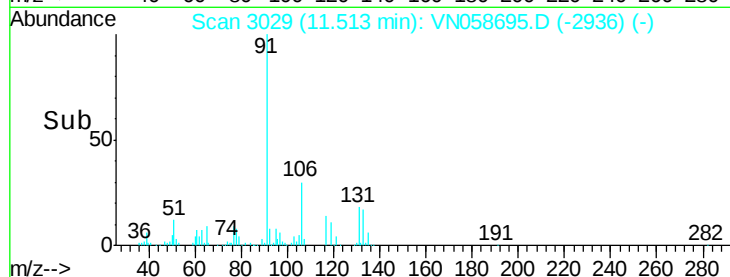
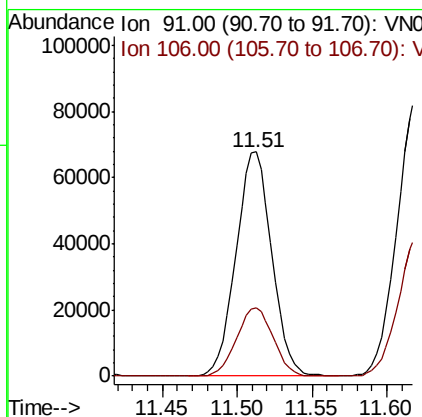
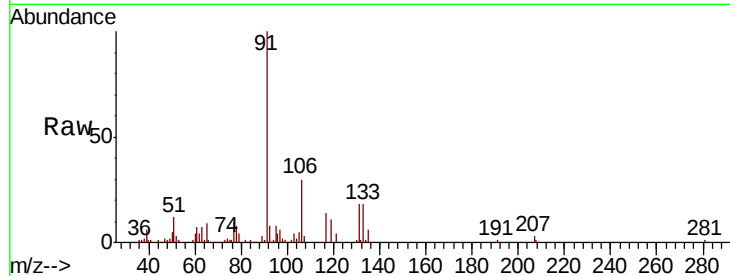
#67
Ethyl Benzene
Concen: 5.080 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.1	36.1

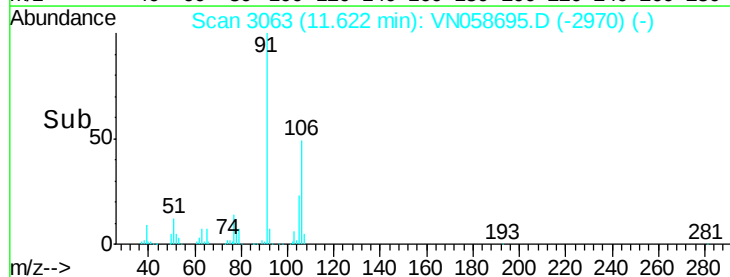
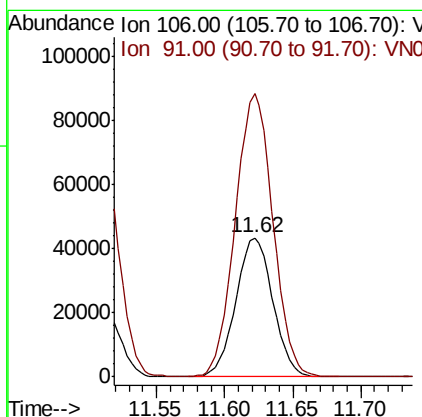
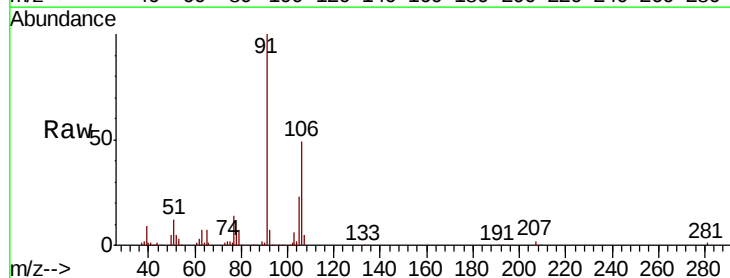
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#68
m/p-Xylenes
Concen: 9.759 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
106	100		
91	207.7	165.7	248.5





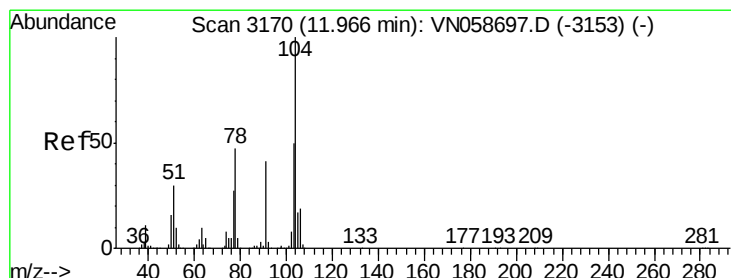
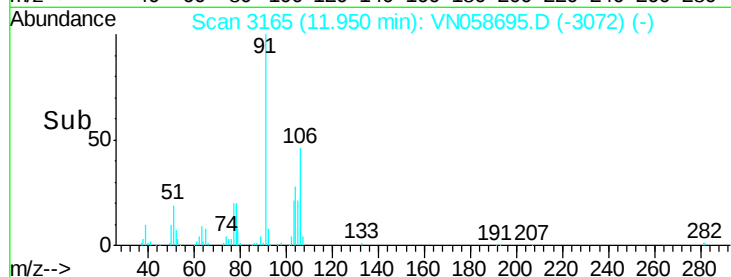
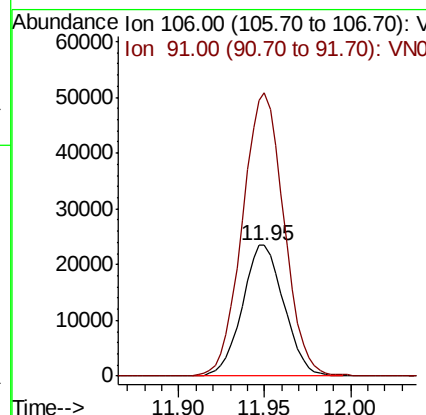
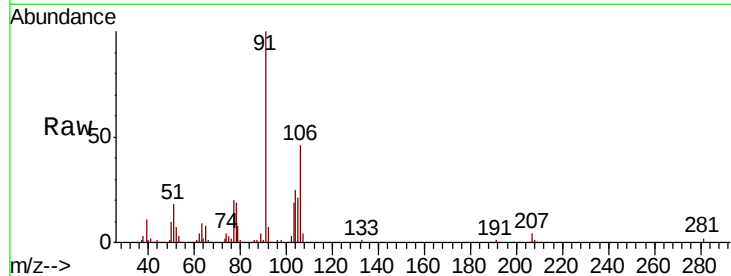
#69
o-Xylene
Concen: 4.900 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.4	110.9	332.9	

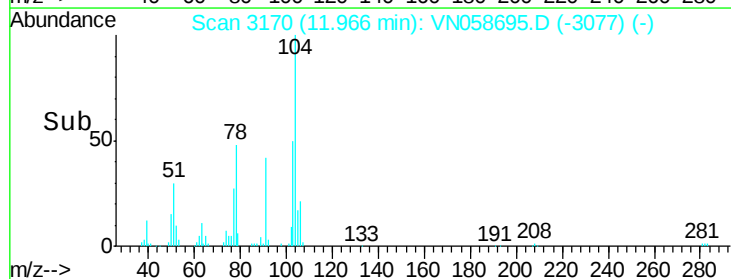
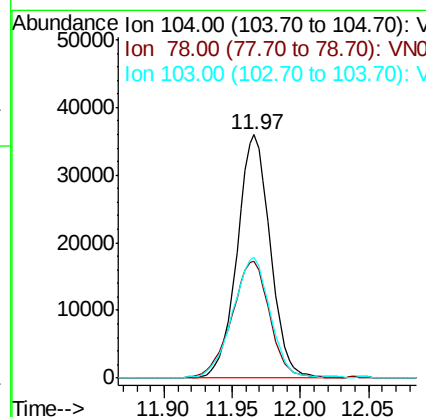
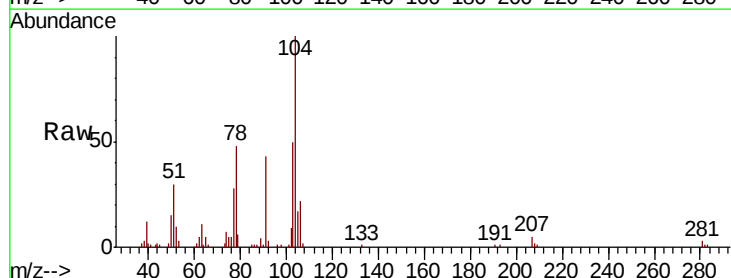
Manual Integrations
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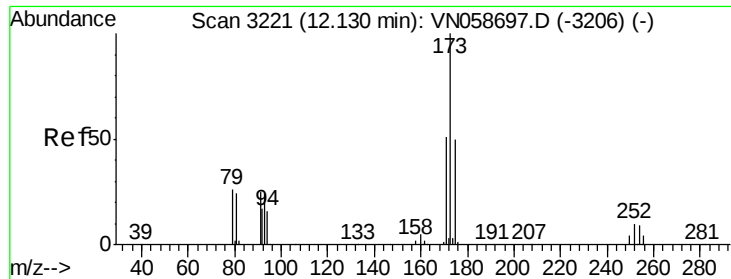
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#70
Styrene
Concen: 4.644 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	55.0	42.2	63.2	
103	56.2	43.7	65.5	





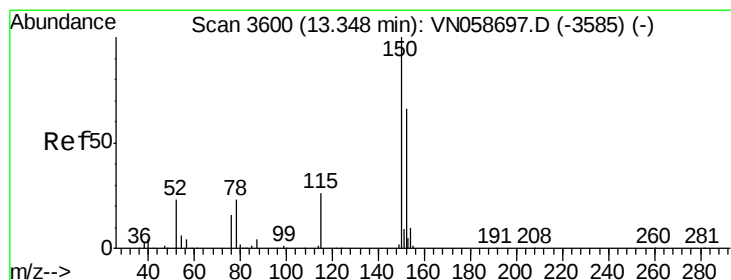
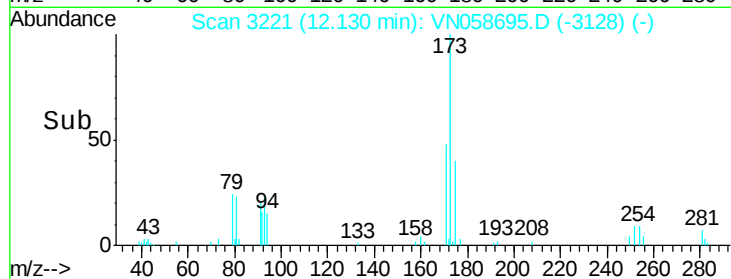
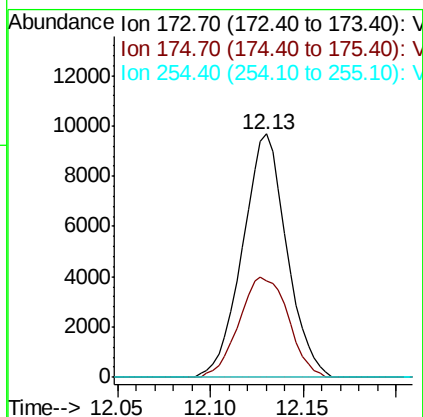
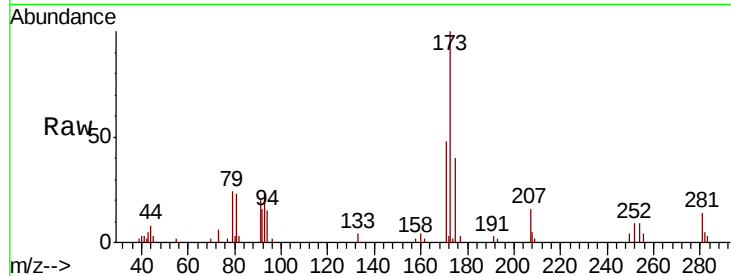
#71
Bromoform
Concen: 5.994 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.0	24.6	73.8
254	0.0	0.1	0.1#

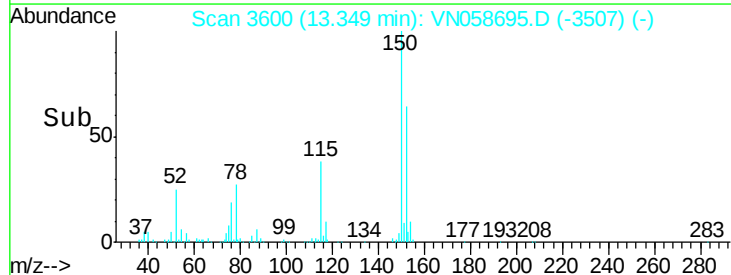
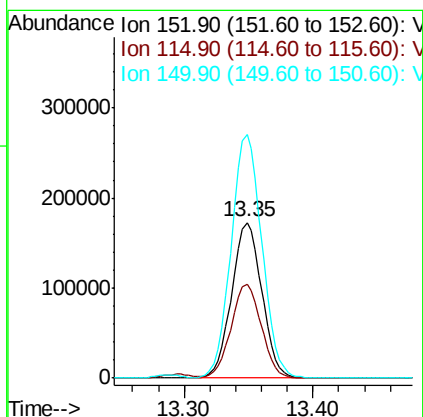
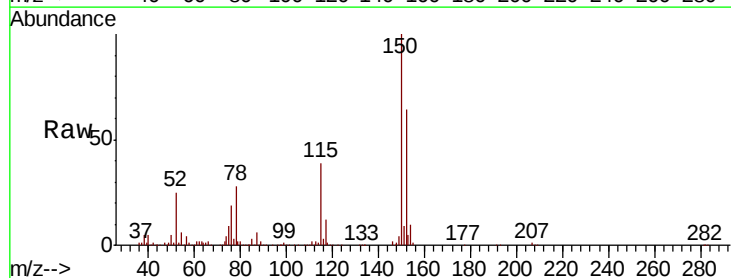
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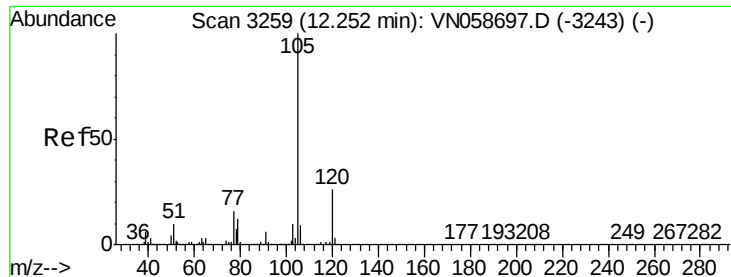
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.4	91.2
150	158.5	0.0	345.4





#73

Isopropylbenzene

Concen: 5.112 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 105663

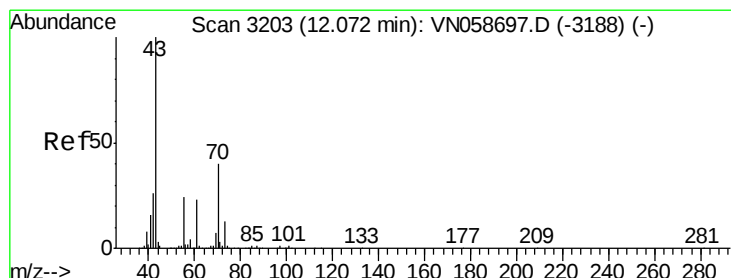
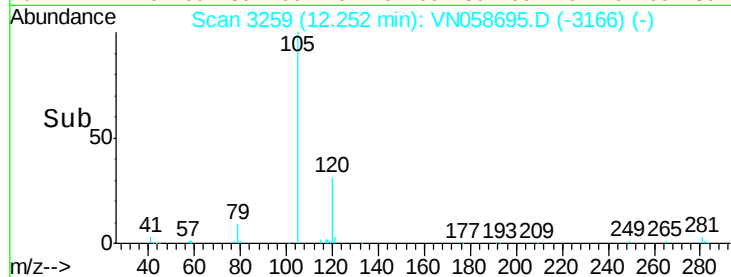
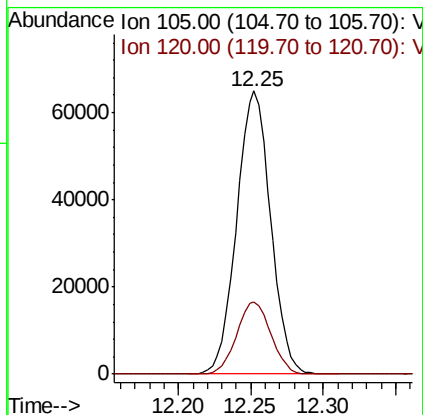
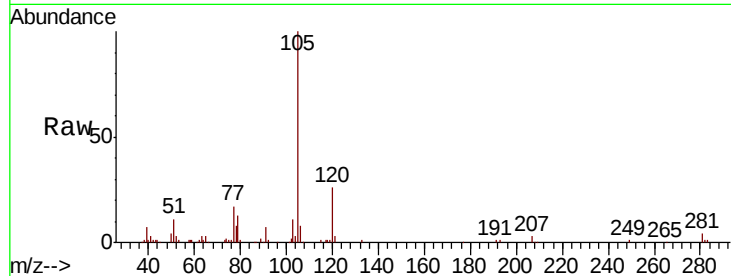
Ion Ratio Lower Upper

105 100

120 25.7 13.1 39.1

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#74

N-ethyl acetate

Concen: 5.168 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Tgt Ion: 43 Resp: 43343

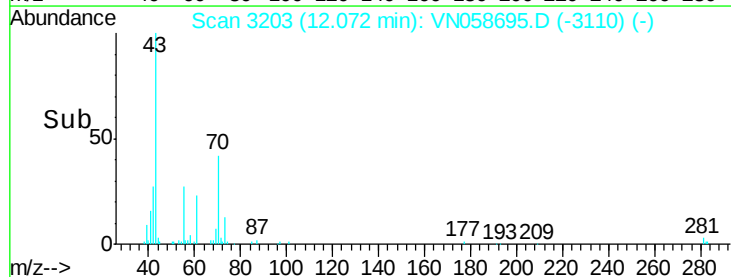
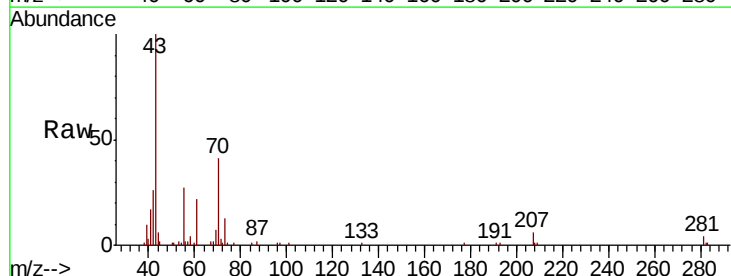
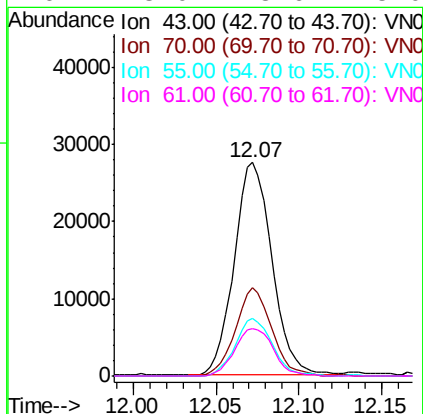
Ion Ratio Lower Upper

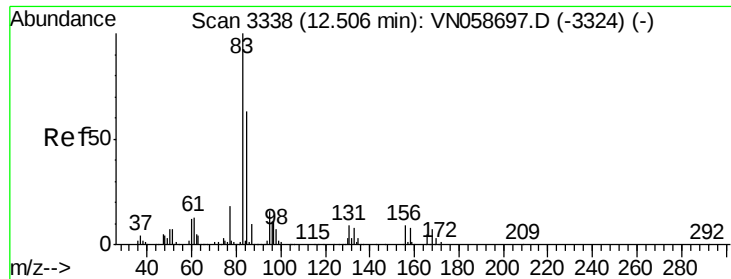
43 100

70 39.9 32.2 48.4

55 26.7 19.6 29.4

61 23.0 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.701 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

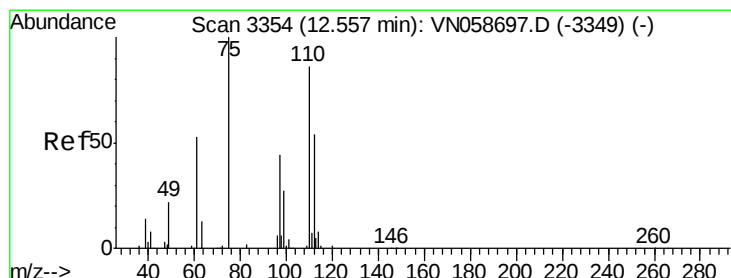
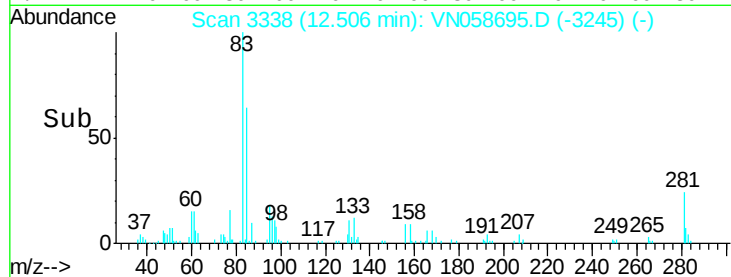
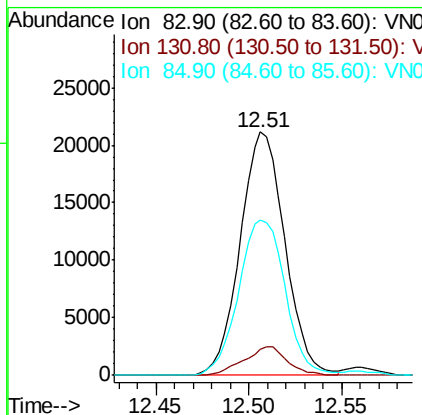
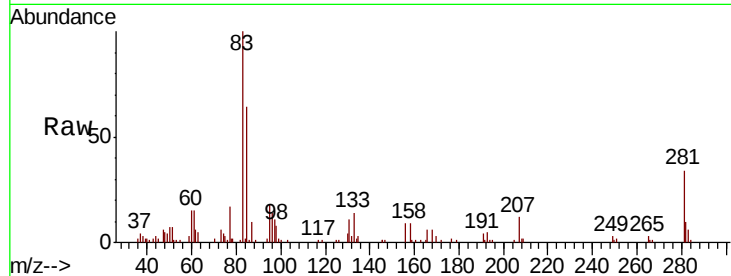
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	35487
Ion Ratio	Lower	Upper	
83	100		
131	11.4	4.8	14.4
85	66.5	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 6.353 ug/l m

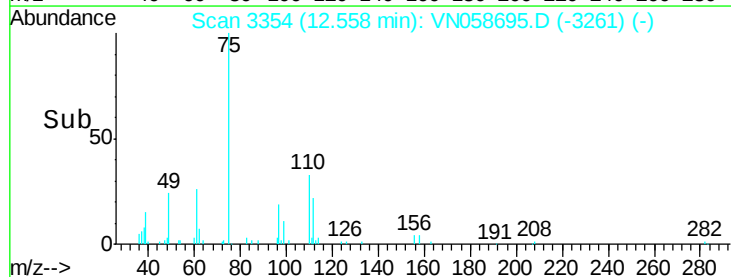
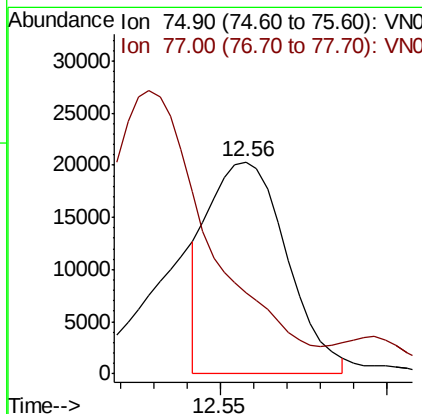
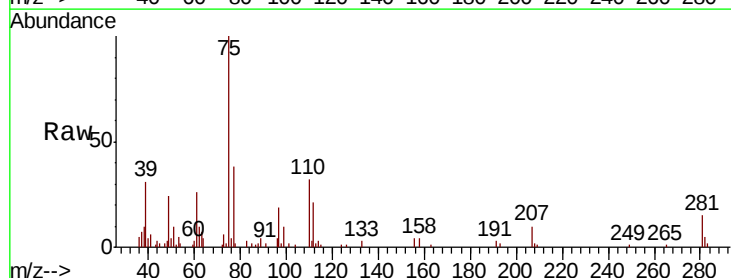
RT: 12.56 min Scan# 3354

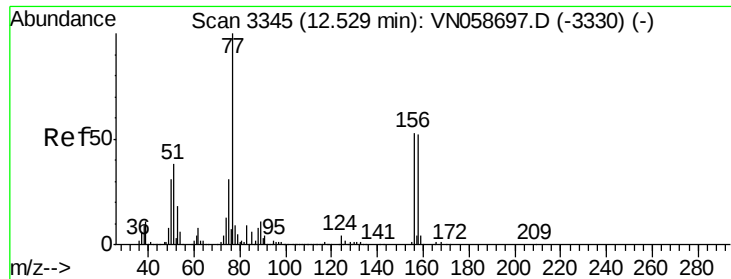
Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Tgt Ion:	75	Resp:	33247
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.383 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

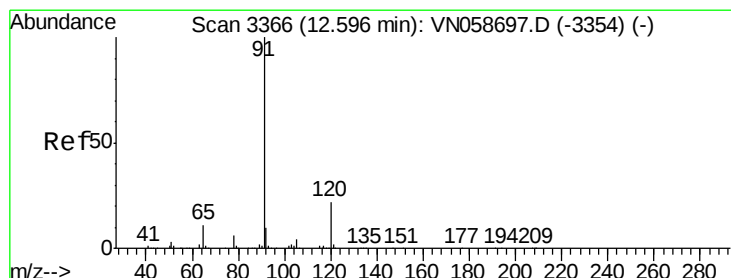
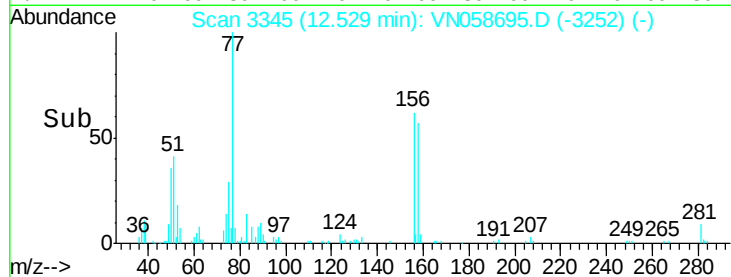
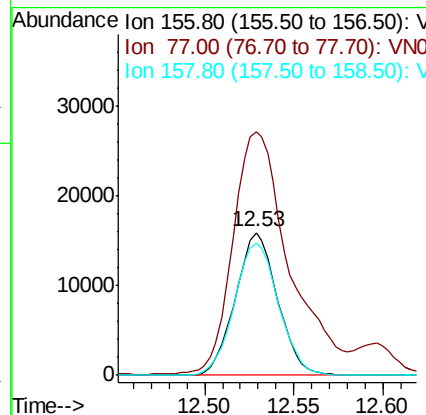
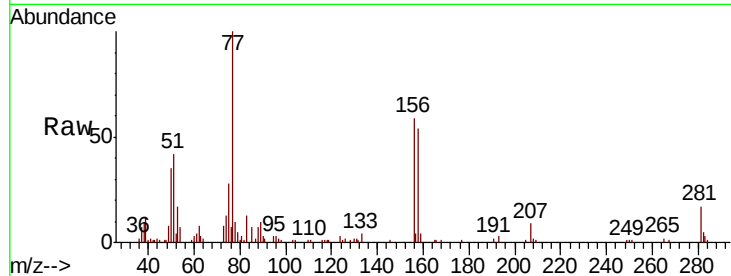
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	224.6	115.8	347.3
158	97.2	48.9	146.6

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#78

n-propylbenzene

Concen: 5.294 ug/l

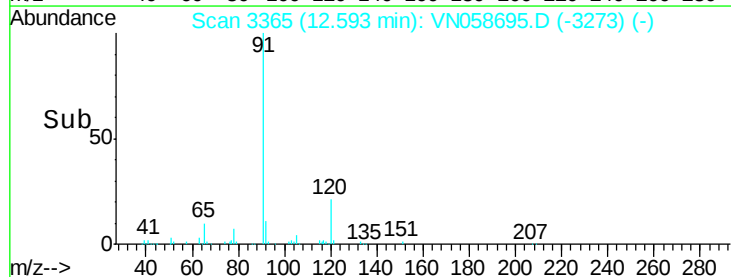
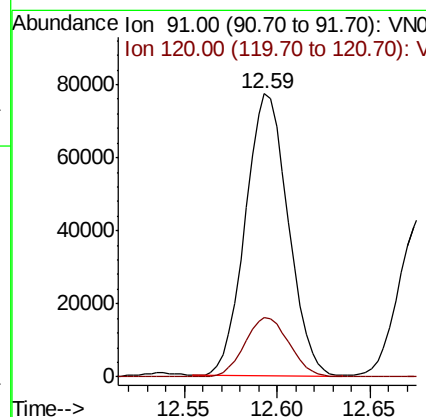
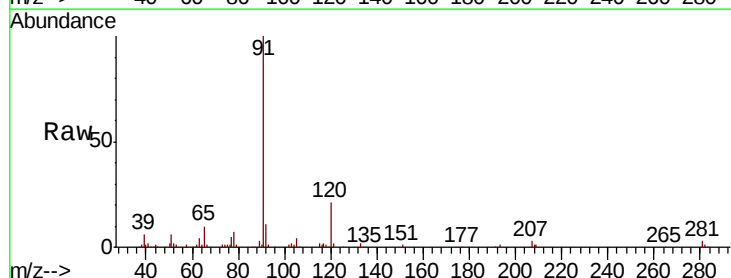
RT: 12.59 min Scan# 3365

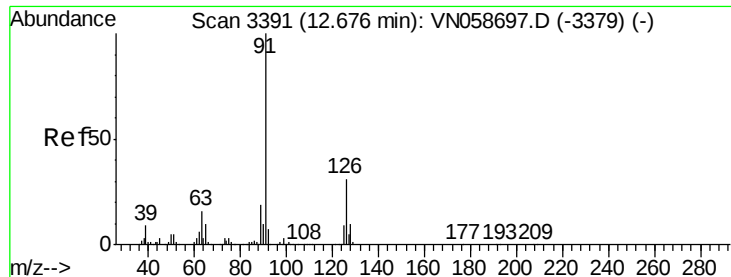
Delta R.T. -0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.1	33.3





#79

2-Chlorotoluene

Concen: 5.268 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 75978

Ion Ratio Lower Upper

91 100

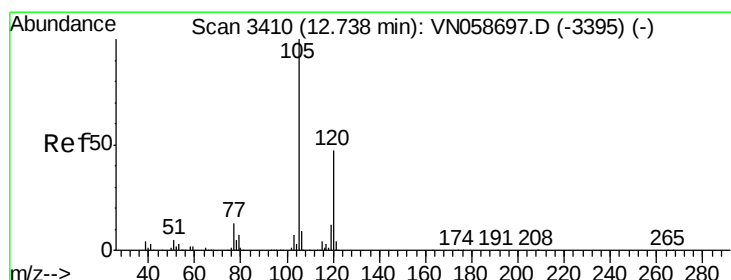
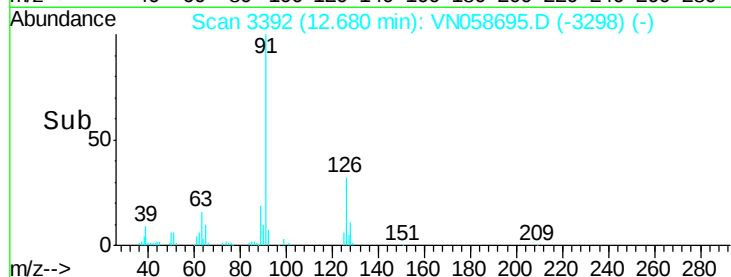
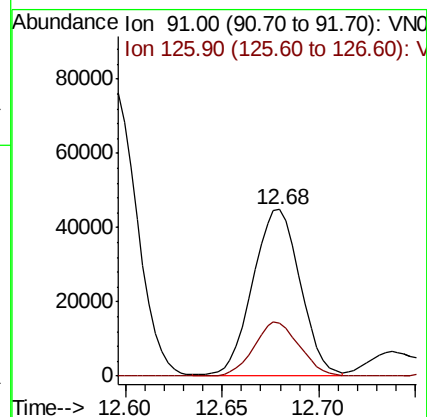
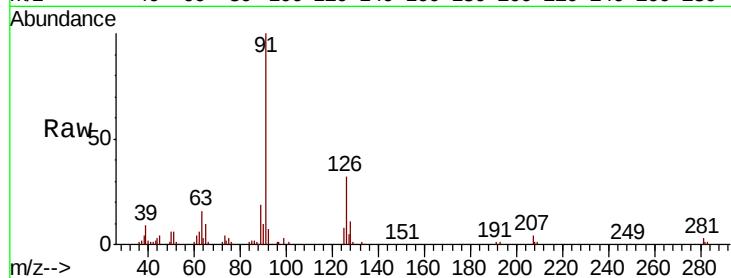
126 31.4 16.2 48.5

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#80

1,3,5-Trimethylbenzene

Concen: 5.149 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058695.D

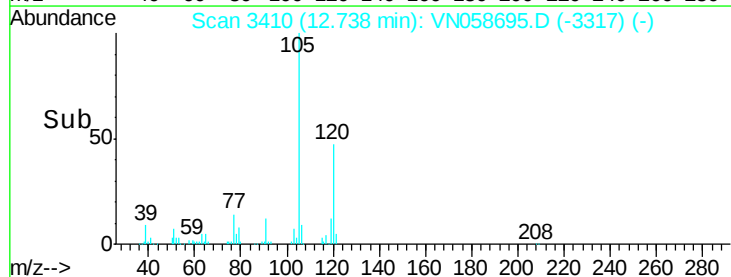
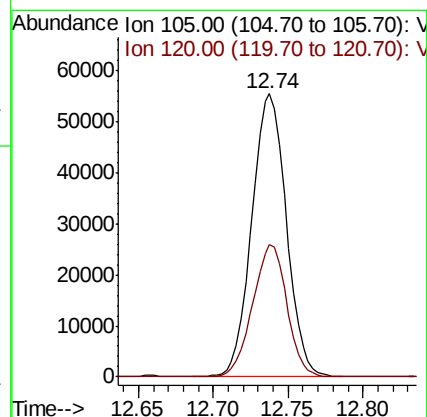
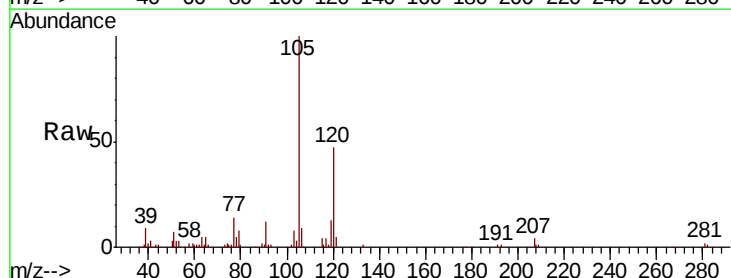
Acq: 11 Oct 2019 11:52

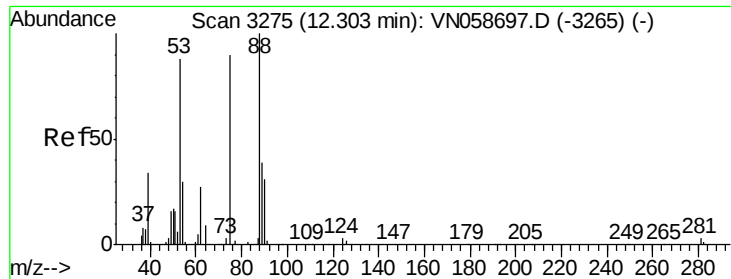
Tgt Ion: 105 Resp: 89357

Ion Ratio Lower Upper

105 100

120 46.2 23.4 70.2





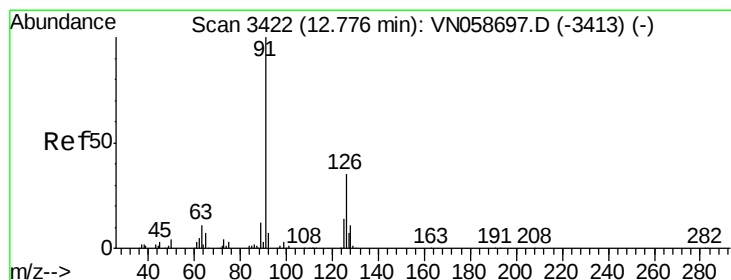
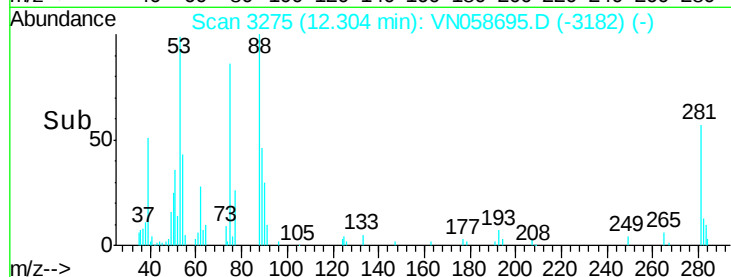
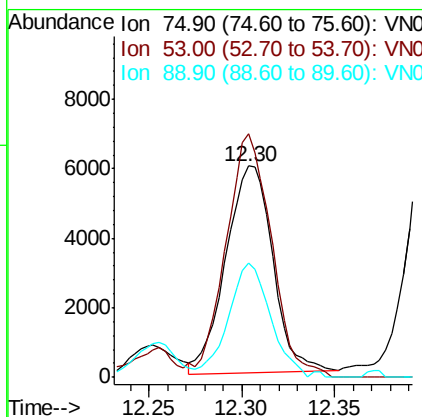
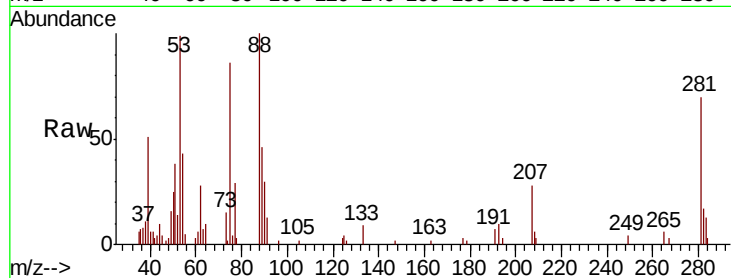
#81
trans-1,4-Dichloro-2-butene
Concen: 5.884 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.1	78.4	117.6
89	49.2	34.9	52.3

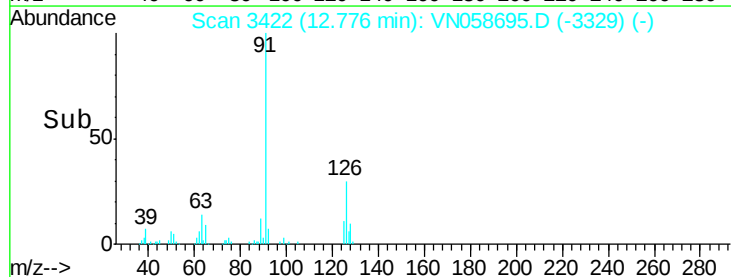
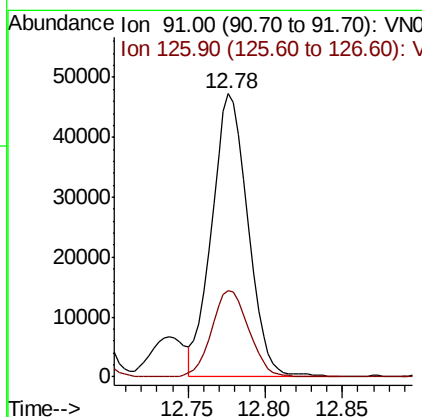
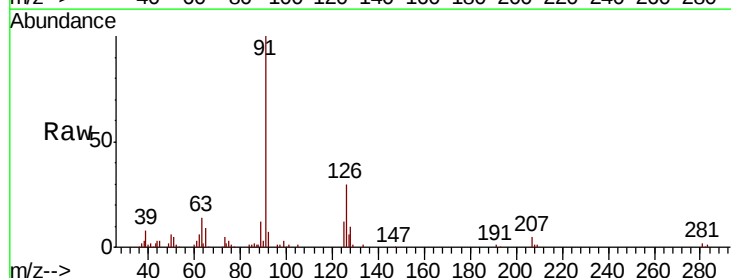
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#82
4-Chlorotoluene
Concen: 5.214 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.9	47.6





#83

tert-Butylbenzene

Concen: 5.171 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

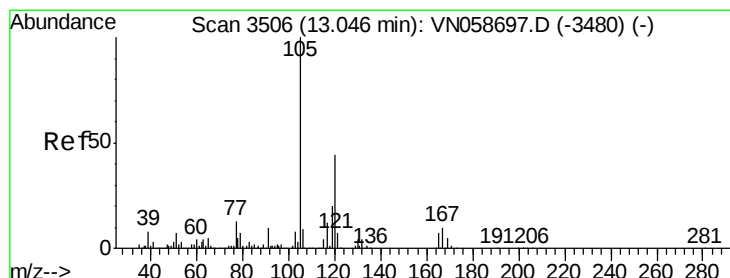
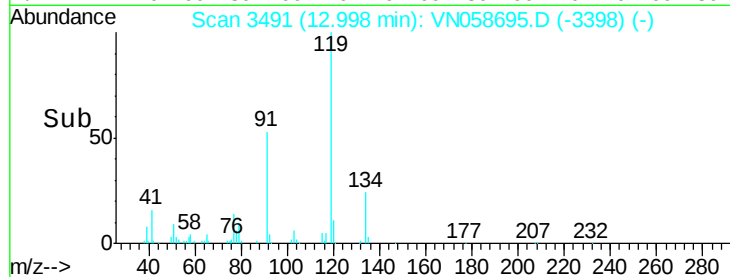
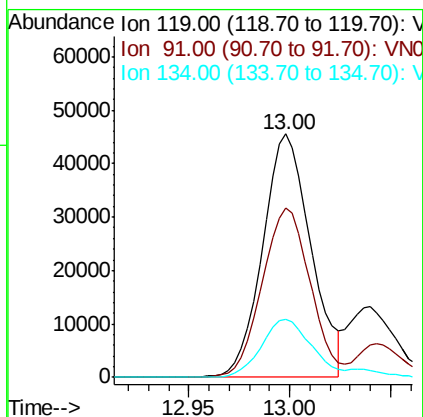
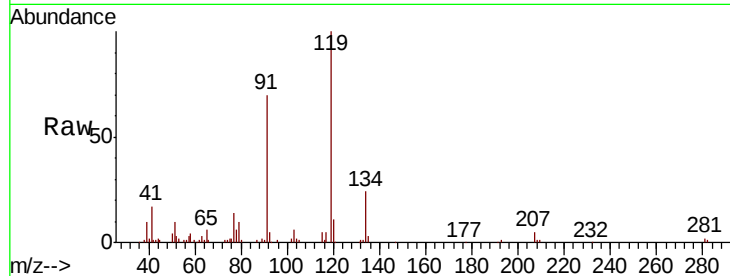
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	75736
Ion Ratio	Lower	Upper	
119	100		
91	69.5	33.8	101.3
134	24.5	12.6	37.6

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#84

1,2,4-Trimethylbenzene

Concen: 5.023 ug/l

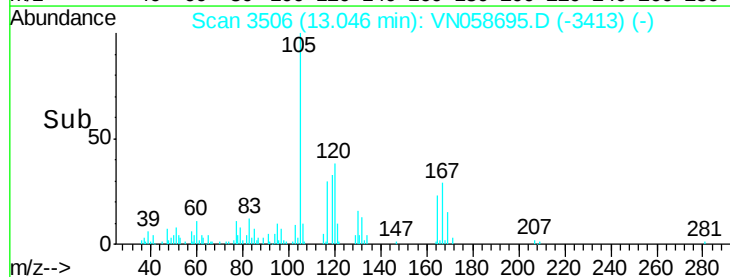
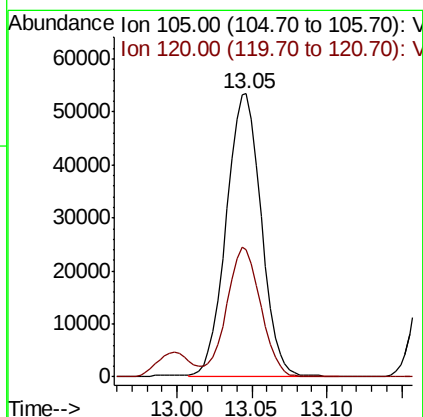
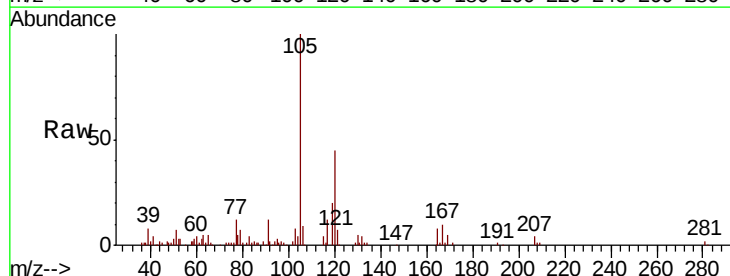
RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Tgt Ion:	105	Resp:	87342
Ion Ratio	Lower	Upper	
105	100		
120	44.2	21.9	65.7





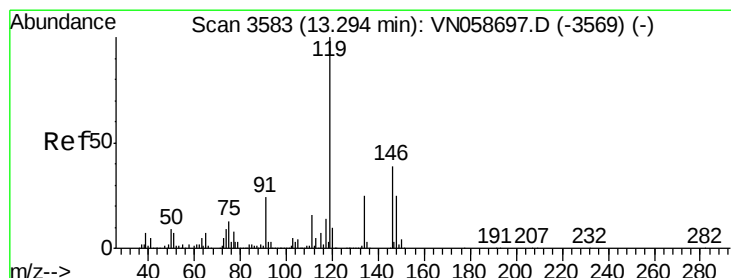
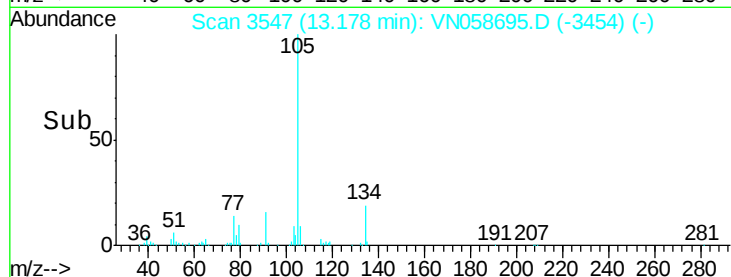
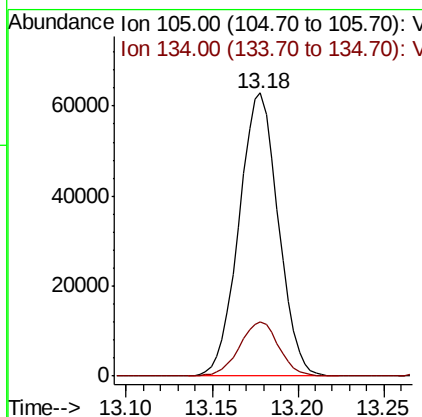
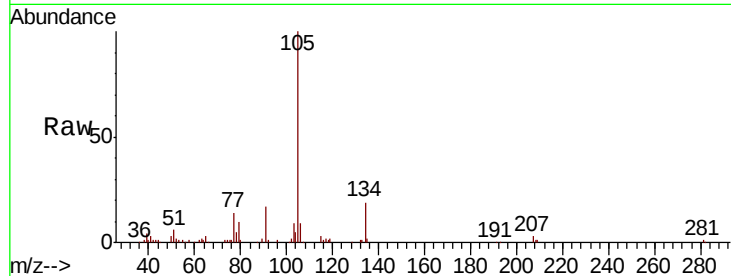
#85
 sec-Butylbenzene
 Concen: 5.150 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	99613		
134	19.3	9.7	29.1	

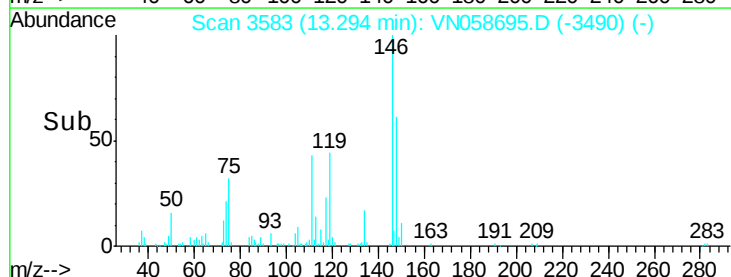
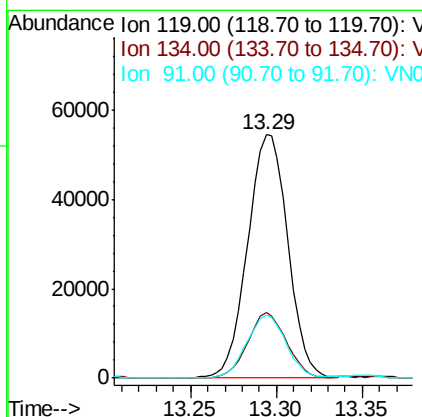
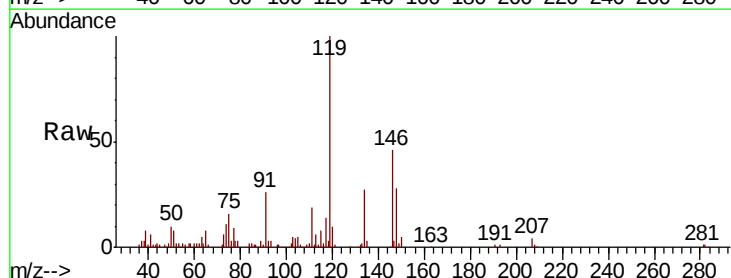
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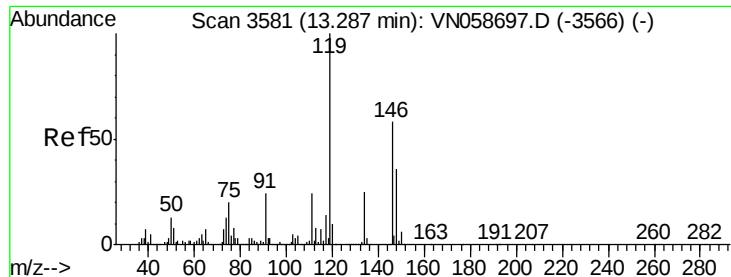
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 5.121 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	87575		
134	26.3	12.7	38.1	
91	25.6	11.9	35.5	





#87

1,3-Dichlorobenzene

Concen: 5.214 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058695.D

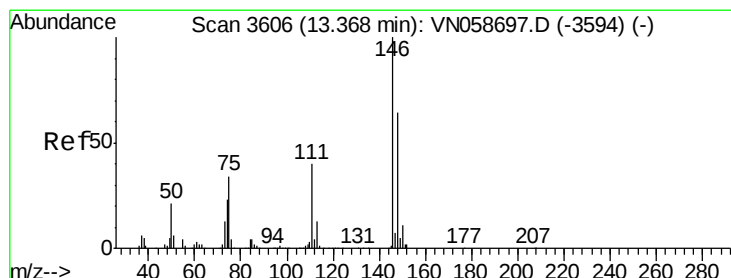
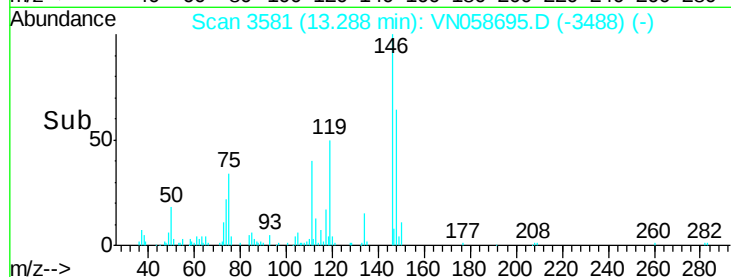
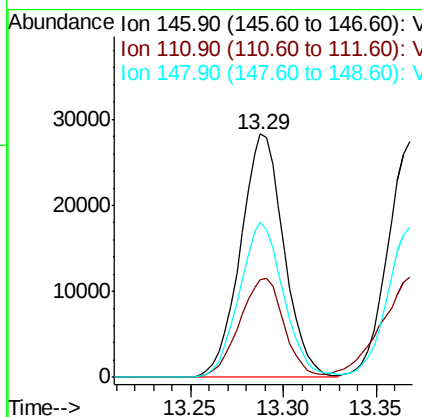
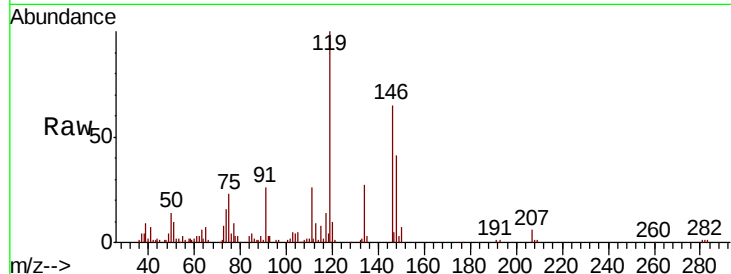
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.5	61.6
148	64.9	31.3	93.9

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#88

1,4-Dichlorobenzene

Concen: 5.344 ug/l

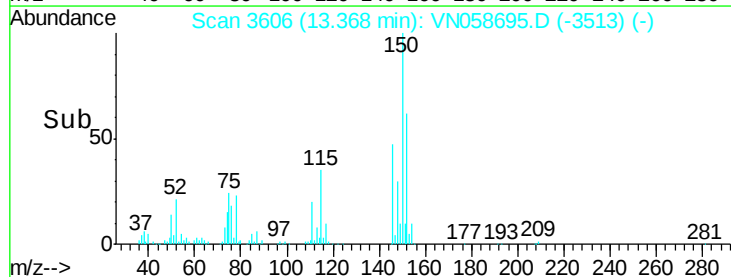
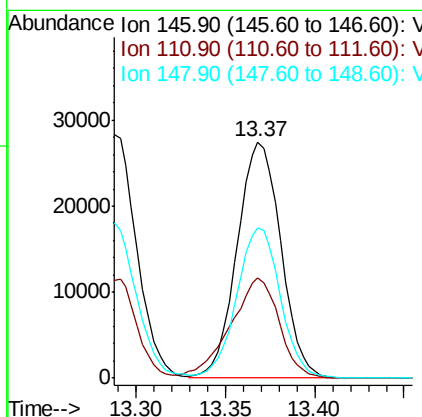
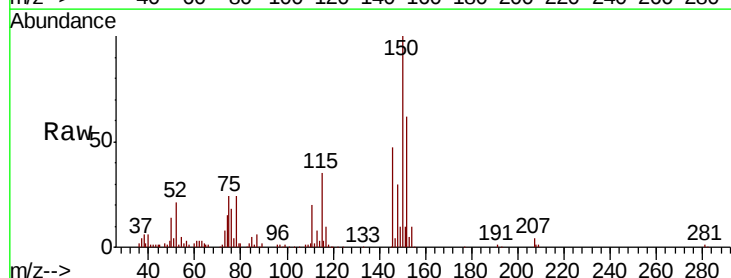
RT: 13.37 min Scan# 3606

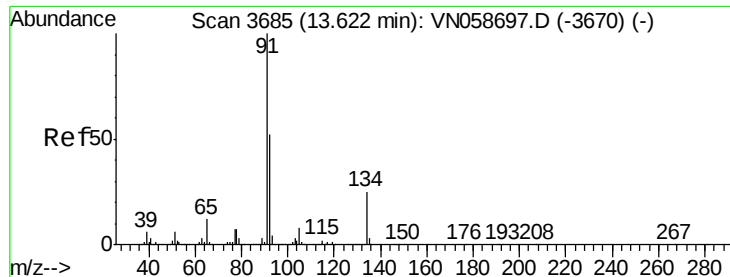
Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.1	20.1	60.2
148	63.4	31.9	95.7





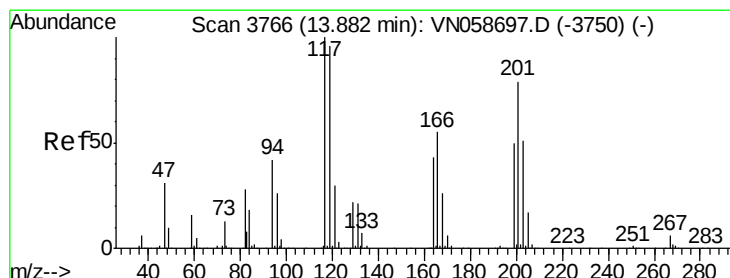
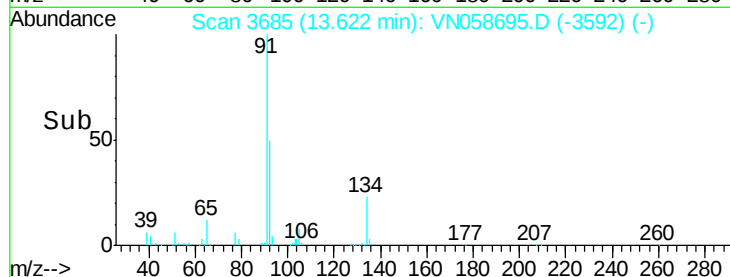
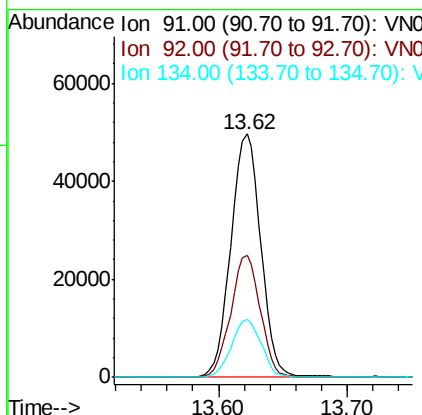
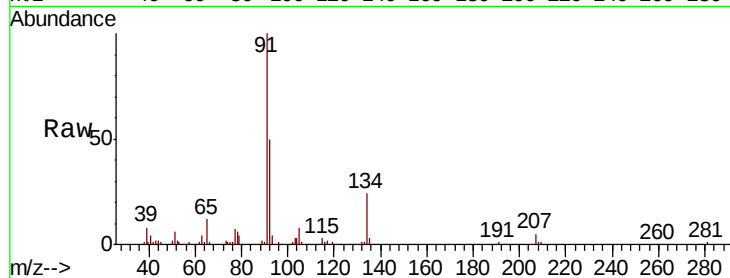
#89
n-Butylbenzene
Concen: 5.143 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	49.2	26.0	78.0	
134	23.6	12.2	36.6	

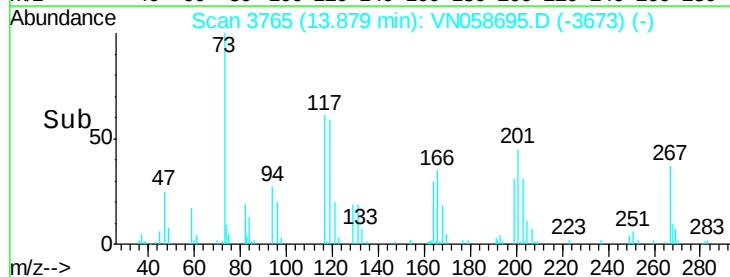
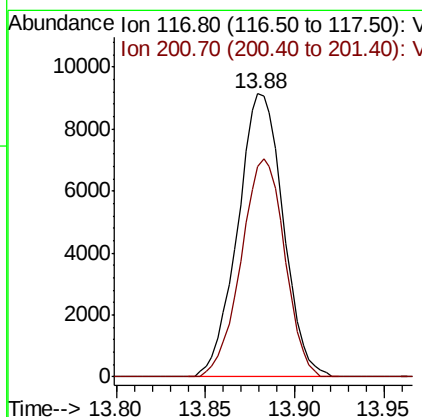
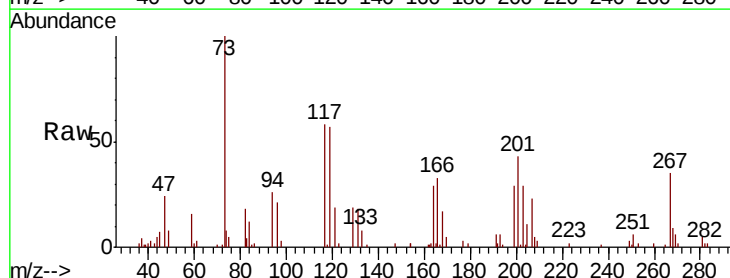
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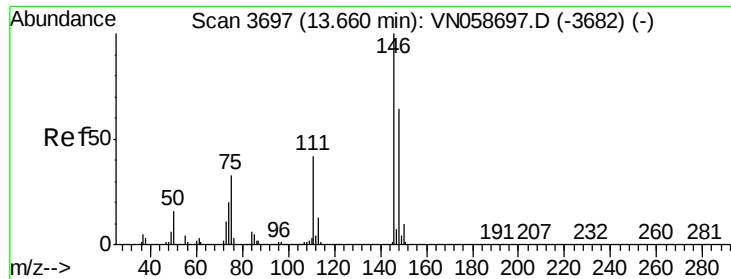
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#90
Hexachloroethane
Concen: 6.185 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	73.7	39.6	118.7	





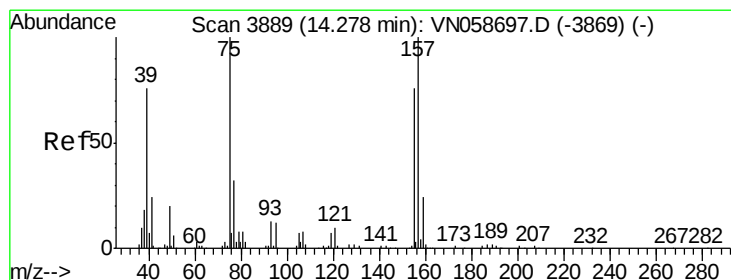
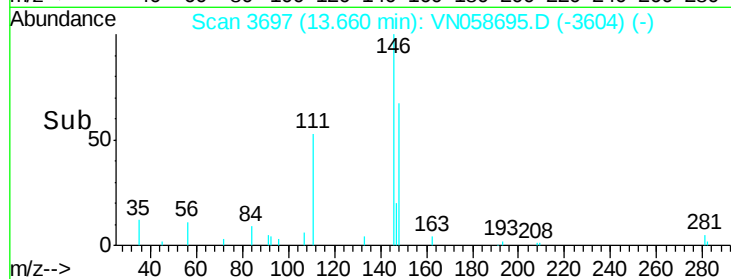
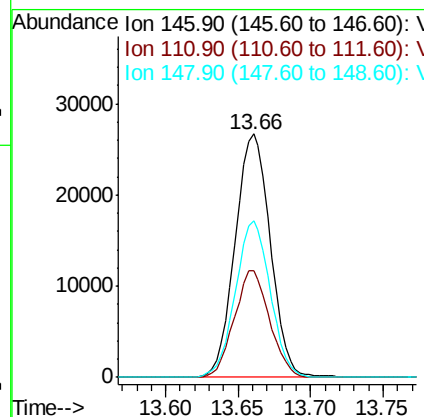
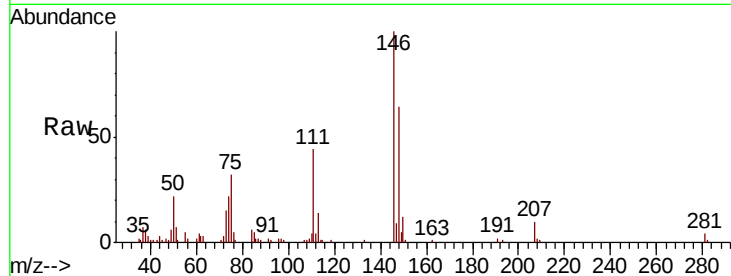
#91
 1,2-Dichlorobenzene
 Concen: 5.303 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.1	63.4
148	63.4	31.8	95.3

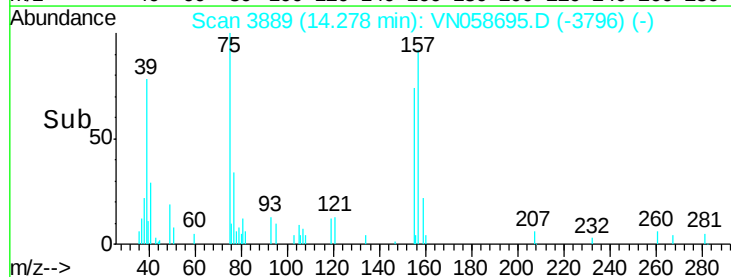
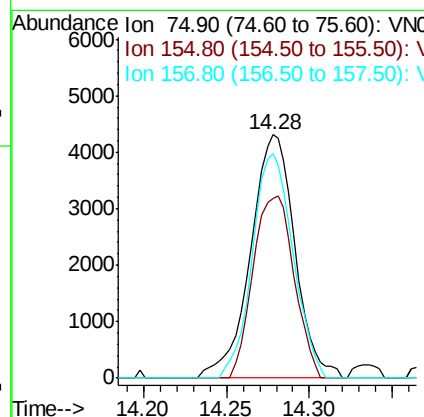
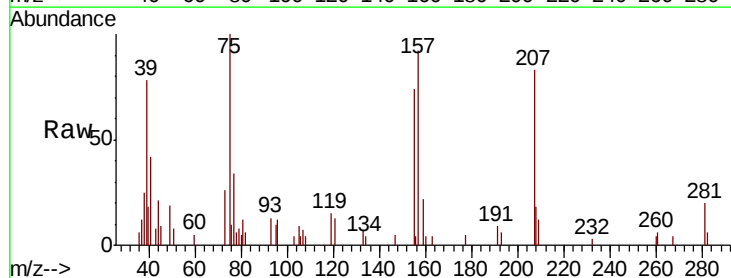
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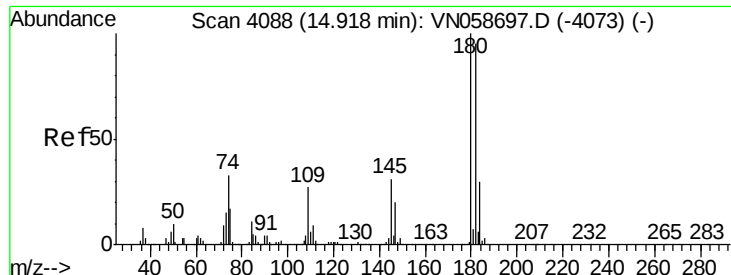
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.095 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.0	37.9	113.6
157	84.4	49.4	148.2





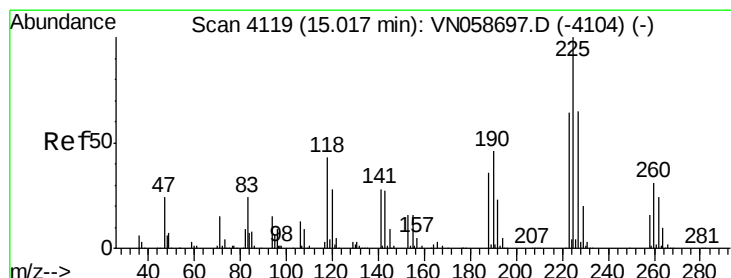
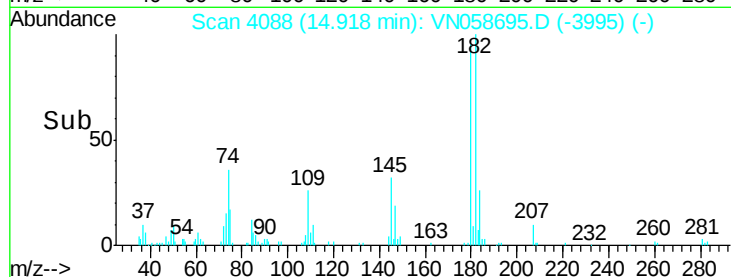
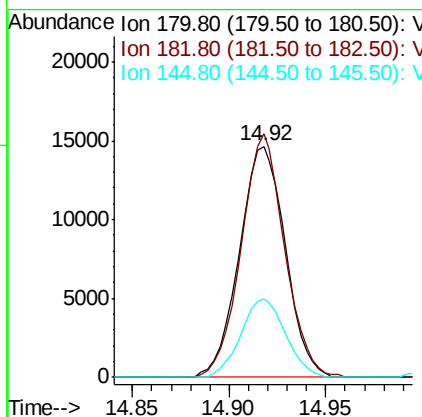
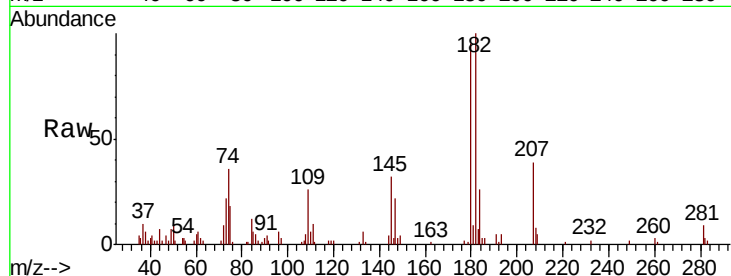
#93
1,2,4-Trichlorobenzene
Concen: 5.095 ug/l
RT: 14.92 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.5	47.4	142.2
145	32.9	15.4	46.2

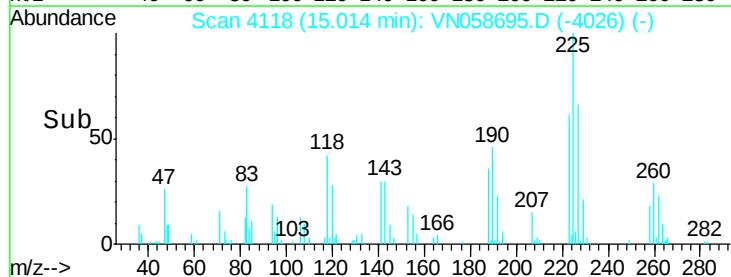
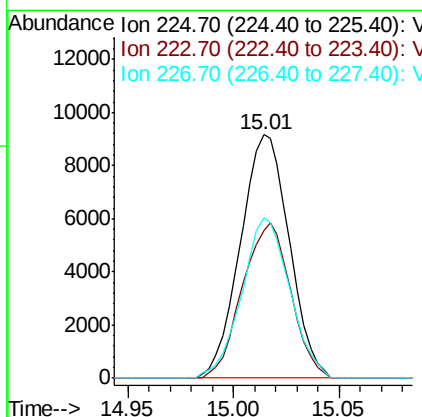
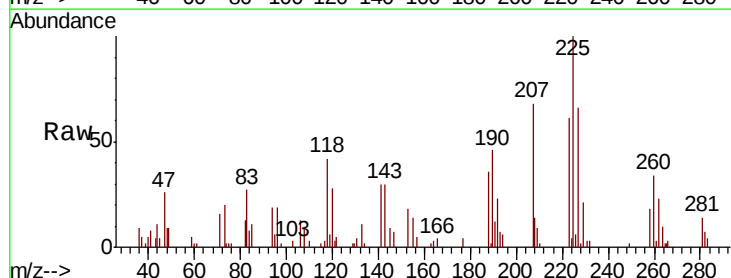
Manual Integrations
APPROVED

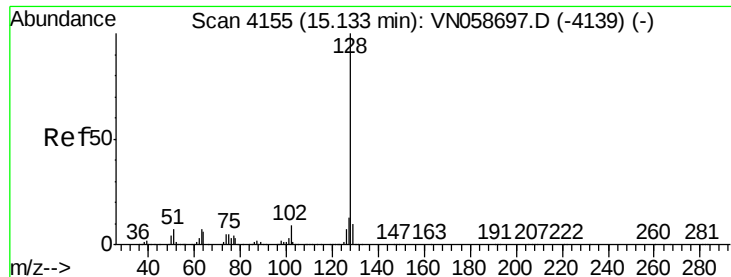
MMDadoda
10/16/2019 12:48:15 AM



#94
Hexachlorobutadiene
Concen: 5.954 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.3	96.8
227	64.7	32.4	97.0





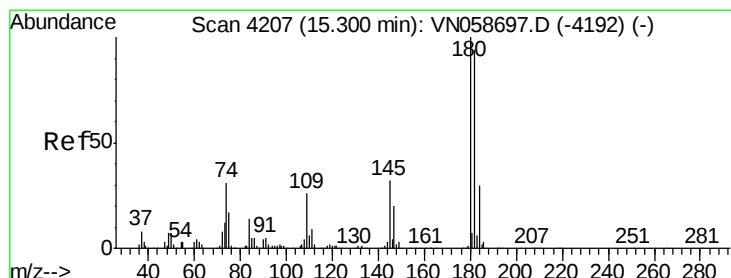
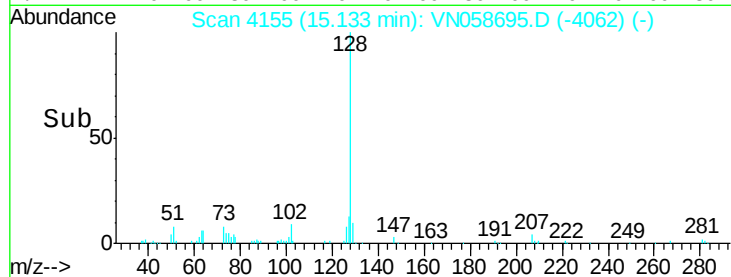
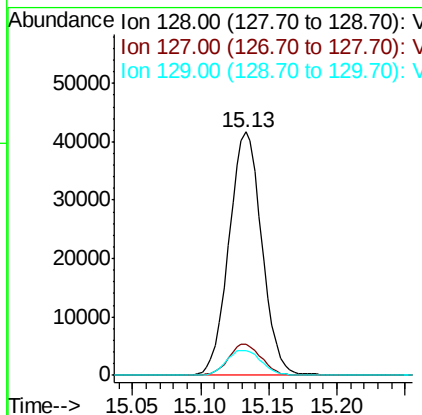
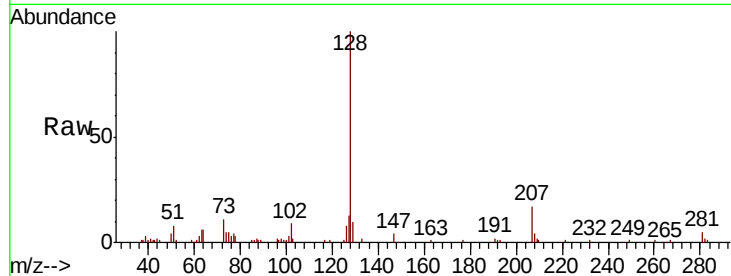
#95
Naphthalene
Concen: 5.533 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 5.718 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	142.0
145	33.9	16.2	48.6

