

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050619\
 Data File : VL033661.D
 Acq On : 6 May 2019 15:40
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 07 04:09:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1044873	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2680963	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3356105	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2376554	8.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	86.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1771286	7.228	ppbv	99
3) Chlorodifluoromethane	3.01	51	1252293	8.299	ppbv	97
4) Chloromethane	3.17	50	728072	9.281	ppbv	99
5) Vinyl Chloride	3.29	62	717327	9.405	ppbv	97
6) Bromomethane	3.52	94	434467	8.967	ppbv	96
7) Chloroethane	3.60	64	251431	9.081	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1802775	8.937	ppbv	99
9) Propene	3.03	41	569696	9.903	ppbv	98
10) Heptane	8.25	43	1688884	11.896	ppbv	99
11) Trichlorofluoromethane	4.00	101	2009739	8.782	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1326136	8.620	ppbv	99
13) Ethanol	3.65	45	124758	7.225	ppbv	97
14) Bromoethene	3.79	108	562132	9.270	ppbv	99
15) Acetone	3.90	43	1265577	8.142	ppbv	99
16) 1,3-Butadiene	3.36	39	649027	9.736	ppbv	97
17) tert-Butyl alcohol	4.35	59	1161251	9.836	ppbv	99
18) 1,1-Dichloroethene	4.35	96	597115	8.990	ppbv	99
19) Isopropyl Alcohol	4.02	45	925277	9.689	ppbv	# 97
20) Methylene Chloride	4.41	84	511363	8.664	ppbv	96
21) Allyl Chloride	4.48	41	897677	9.541	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	634130	9.510	ppbv	98
23) Vinyl Acetate	5.15	43	2146209	10.626	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1438624	9.415	ppbv	99
25) Ethyl Acetate	5.77	43	2452528	9.698	ppbv	99
26) Hexane	5.78	57	1074402	9.883	ppbv	99
27) Carbon Disulfide	4.62	76	1492546	10.038	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1908133	10.422	ppbv	100
29) Chloroform	5.85	83	1821390	9.319	ppbv	98
30) Cyclohexane	7.25	84	992913	10.876	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1152788	10.660	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1871416	9.272	ppbv	99
34) 2-Butanone	5.33	43	1681387	9.794	ppbv	99
35) Carbon Tetrachloride	7.13	117	2025727	9.194	ppbv	100
36) Benzene	7.00	78	2392896	9.954	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1417985	8.454	ppbv	99
38) Trichloroethene	7.96	130	1029541	11.675	ppbv	95
39) 1,2-Dichloropropane	7.74	63	883373	9.859	ppbv	97
40) 1,4-Dioxane	7.96	88	404588	11.299	ppbv	89
41) Tetrahydrofuran	6.15	42	933152	10.518	ppbv	99
42) Bromodichloromethane	7.92	83	2094564	9.671	ppbv	99
43) Methyl Methacrylate	8.14	69	1113787	12.317	ppbv	99

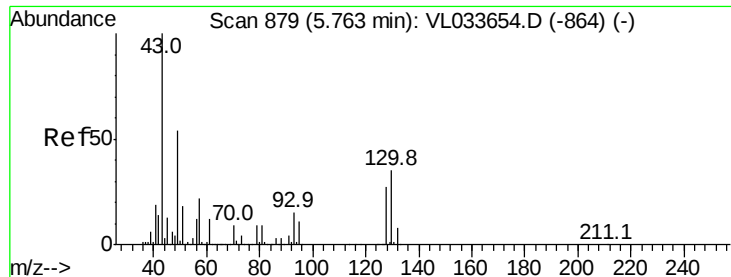
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050619\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	4358761	10.604	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1371772	12.360	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1651496	11.923	ppbv	99
47) 1,1,2-Trichloroethane	9.61	97	1035053	10.060	ppbv	97
48) Dibromochloromethane	10.45	129	1769325	10.144	ppbv	99
49) Bromoform	13.20	173	1731325	11.427	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2766529	10.642	ppbv	100
51) 2-Hexanone	10.27	43	2225963	11.053	ppbv	99
52) Tetrachloroethene	11.37	164	883399	10.372	ppbv	99
53) Toluene	9.95	91	2904326	11.182	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1558586	10.056	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1188075	7.674	ppbv	96
57) Chlorobenzene	12.30	112	2119680	7.692	ppbv	99
58) Ethyl Benzene	12.87	91	4252499	9.716	ppbv	99
59) m/p-Xylene	13.15	91	3586529	9.304	ppbv #	34
60) o-Xylene	13.85	91	3418536	8.763	ppbv	99
61) Styrene	13.68	104	2652926	10.212	ppbv	100
62) Isopropylbenzene	14.82	105	4585022	8.607	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2312381	8.144	ppbv	100
64) n-propylbenzene	15.72	120	1182830	8.593	ppbv	100
65) tert-Butylbenzene	16.91	119	4040752	8.269	ppbv	100
66) Benzyl Chloride	17.15	91	2231151	10.037	ppbv	100
67) sec-Butylbenzene	17.46	105	5617389	8.240	ppbv	99
69) p-Isopropyltoluene	17.81	119	4778247	8.506	ppbv	100
70) n-Butylbenzene	18.71	91	4959701	8.326	ppbv	100
71) 2-Chlorotoluene	15.61	91	3444892	8.753	ppbv	100
72) 4-Ethyltoluene	16.00	105	4014290	8.754	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3734118	8.422	ppbv	95
74) 1,2,4-Trimethylbenzene	16.93	105	3896411	7.906	ppbv	98
75) 1,3-Dichlorobenzene	17.16	146	2306812	7.749	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	2305282	8.161	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	2198570	7.972	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1992771	9.118	ppbv	100
79) Naphthalene	22.41	128	4598556	10.220	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	2333662	13.719	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	2343478	8.964	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

ClientSampleId :

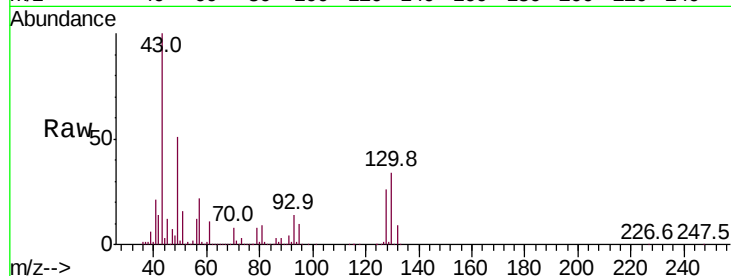
Tot Ion: 49 Resp: 1044873

Ion Ratio Lower Upper

49 100

128 50.8 24.8 74.3

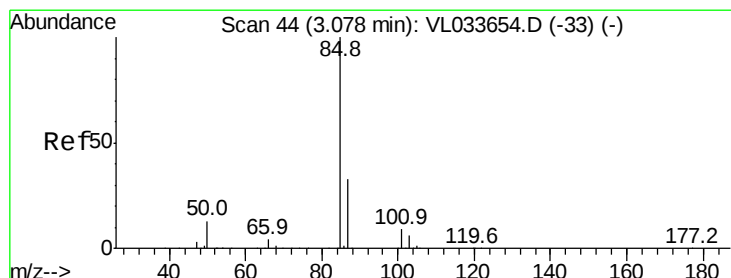
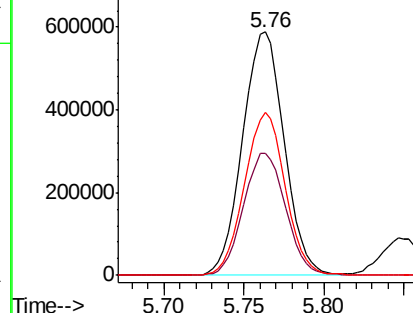
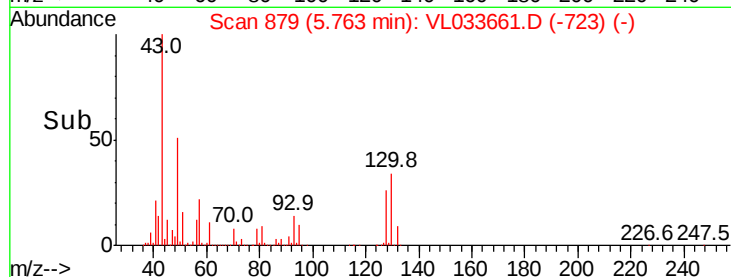
130 65.8 32.1 96.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.228 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033661.D

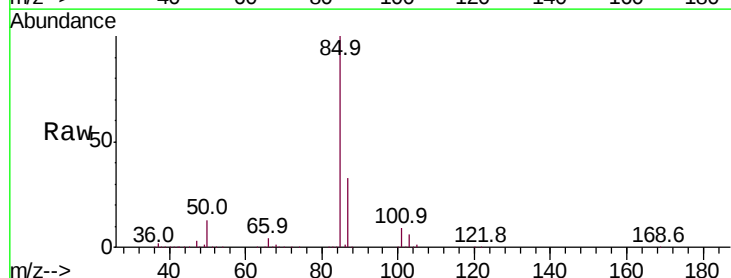
Acq: 6 May 2019 15:40

Tgt Ion: 85 Resp: 1771286

Ion Ratio Lower Upper

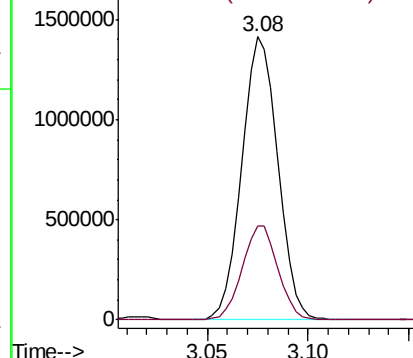
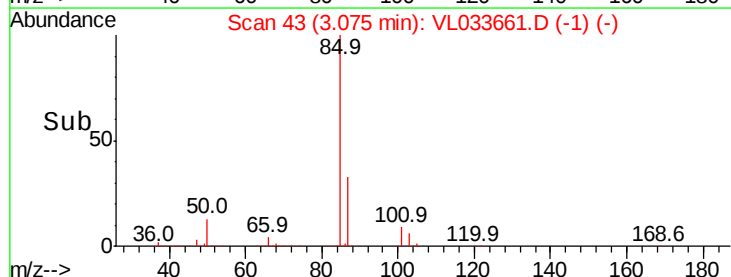
85 100

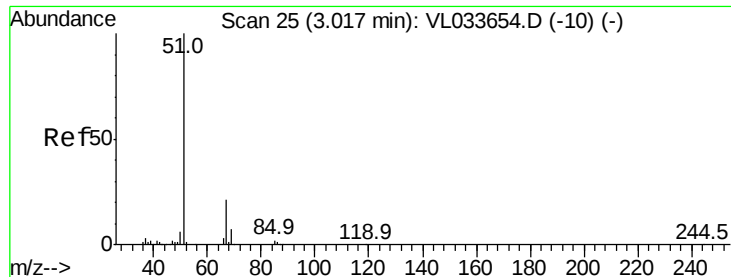
87 33.1 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.299 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

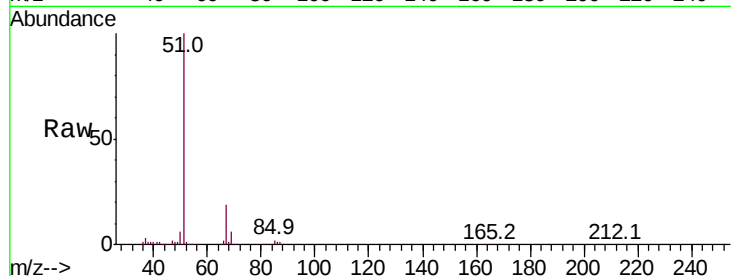
ClientSampleId :

Tot Ion: 51 Resp: 1252293

Ion Ratio Lower Upper

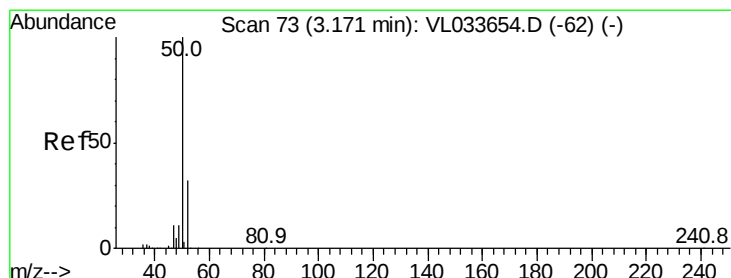
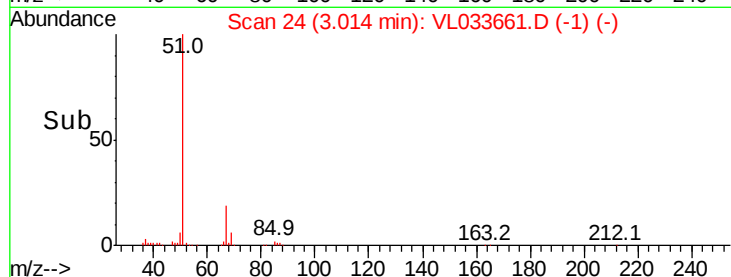
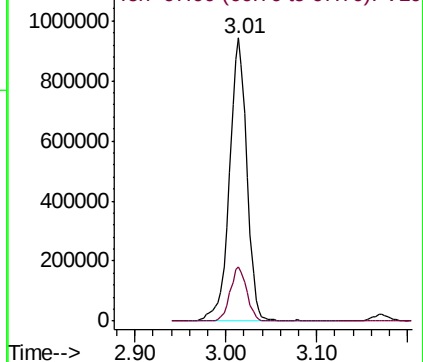
51 100

67 18.4 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.281 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033661.D

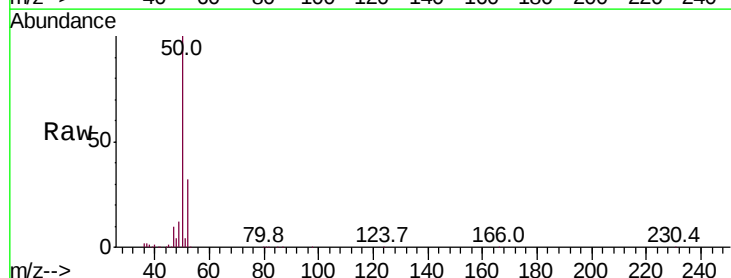
Acq: 6 May 2019 15:40

Tgt Ion: 50 Resp: 728072

Ion Ratio Lower Upper

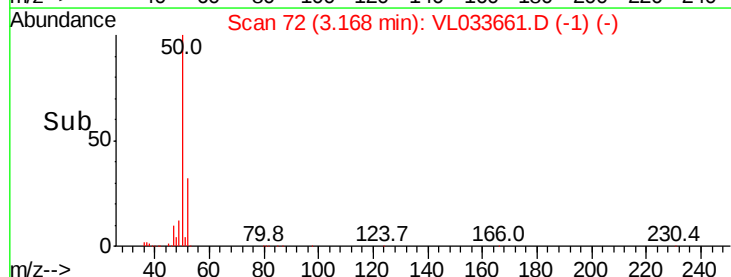
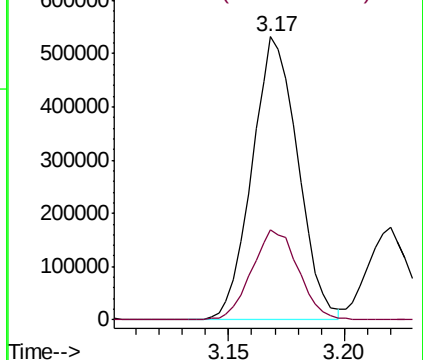
50 100

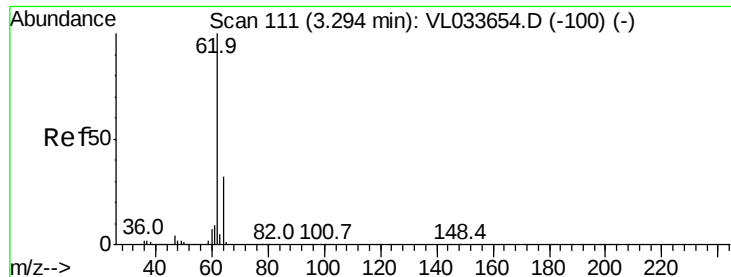
52 31.9 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.405 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

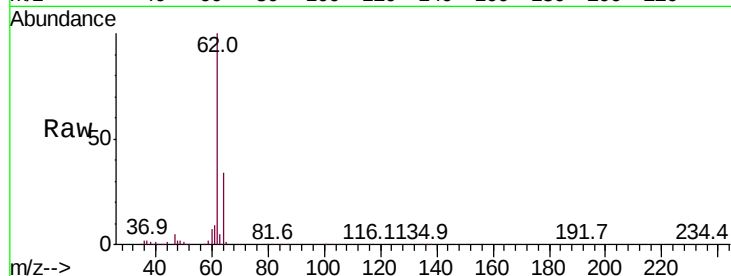
ClientSampleId :

Tot Ion: 62 Resp: 717327

Ion Ratio Lower Upper

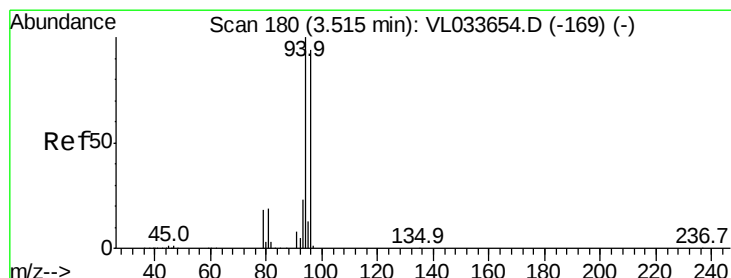
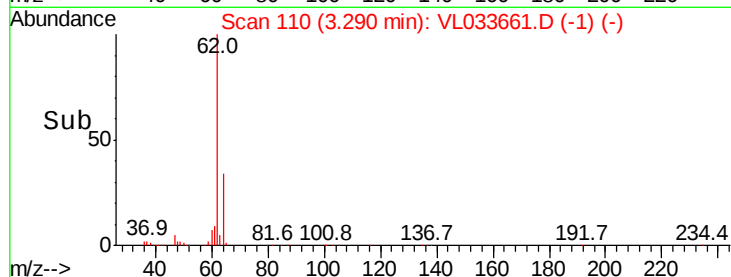
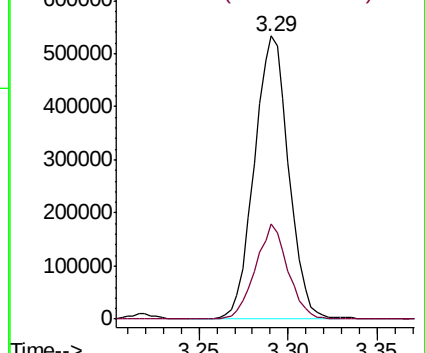
62 100

64 33.7 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.967 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033661.D

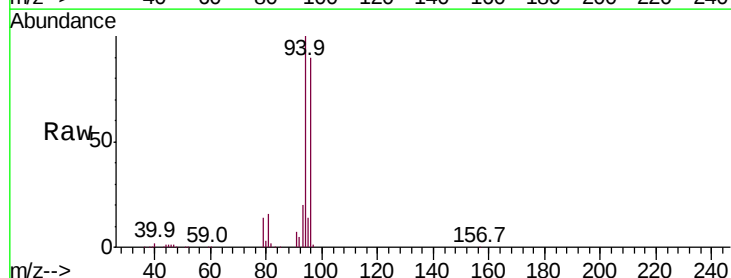
Acq: 6 May 2019 15:40

Tgt Ion: 94 Resp: 434467

Ion Ratio Lower Upper

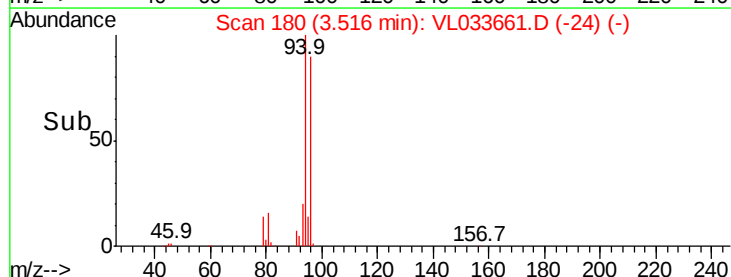
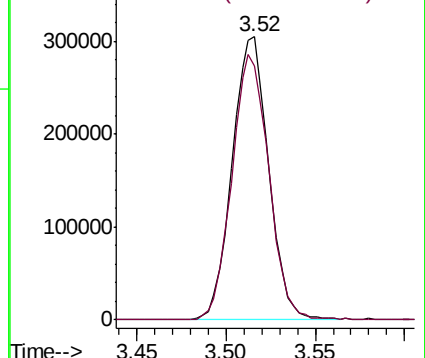
94 100

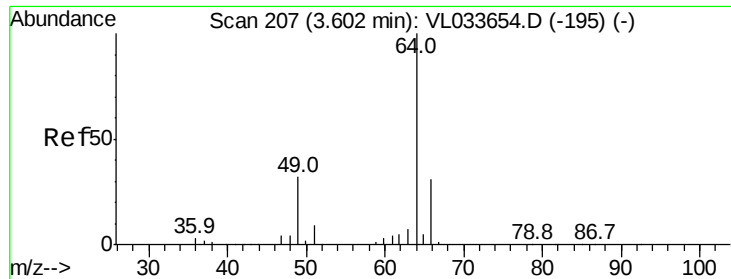
96 89.8 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.081 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

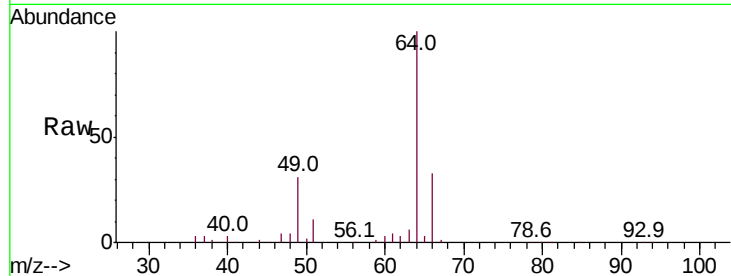
ClientSampleId :

Tot Ion: 64 Resp: 251431

Ion Ratio Lower Upper

64 100

66 33.1 25.1 37.7



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.60

200000

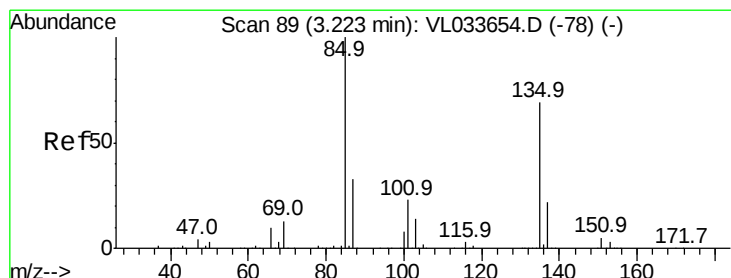
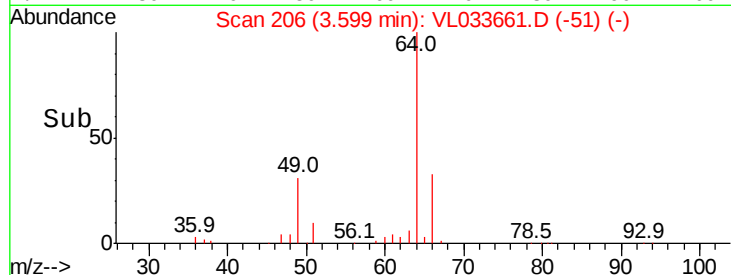
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.937 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033661.D

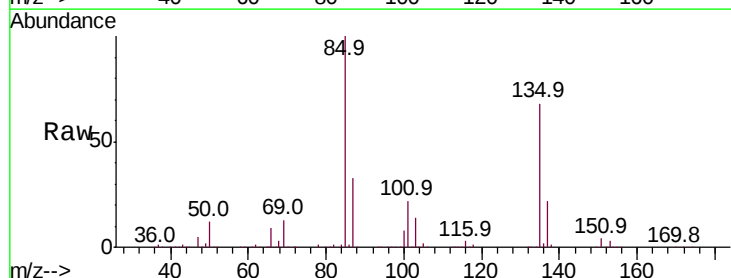
Acq: 6 May 2019 15:40

Tgt Ion: 85 Resp: 1802775

Ion Ratio Lower Upper

85 100

135 68.6 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.22

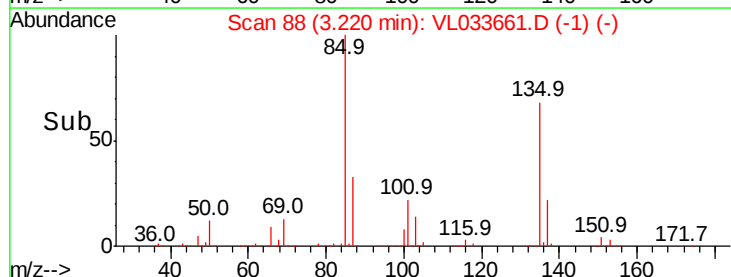
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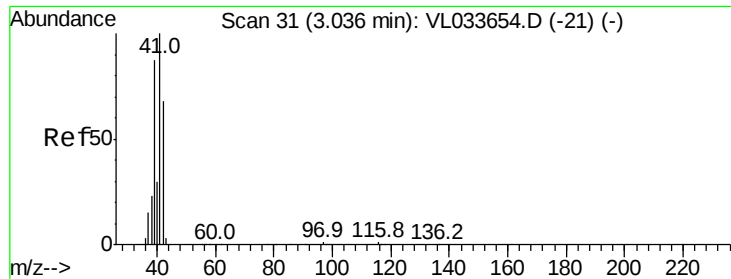
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500000

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Time-->





#9

Propene

Concen: 9.903 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

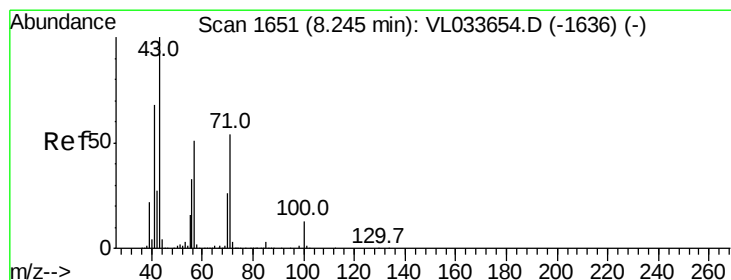
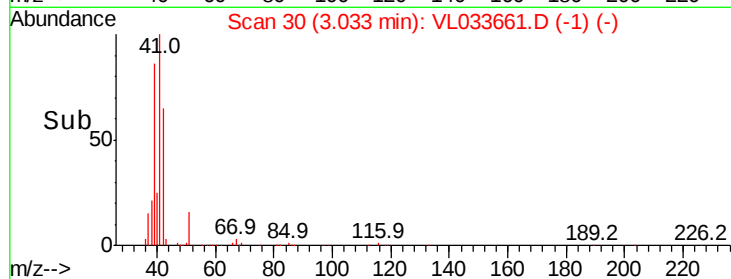
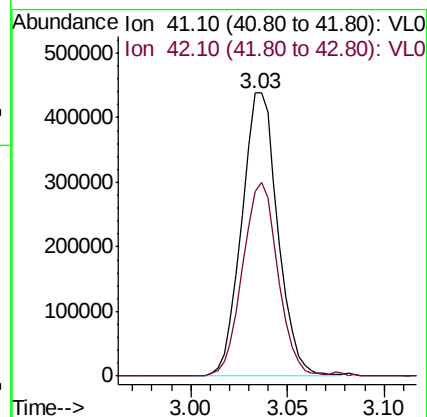
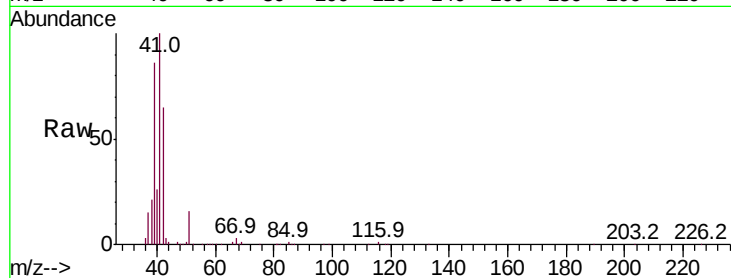
ClientSampleId :

Tot Ion: 41 Resp: 569696

Ion Ratio Lower Upper

41 100

42 67.9 55.6 83.4



#10

Heptane

Concen: 11.896 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VL033661.D

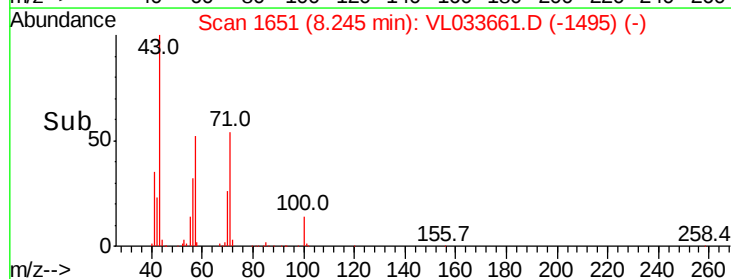
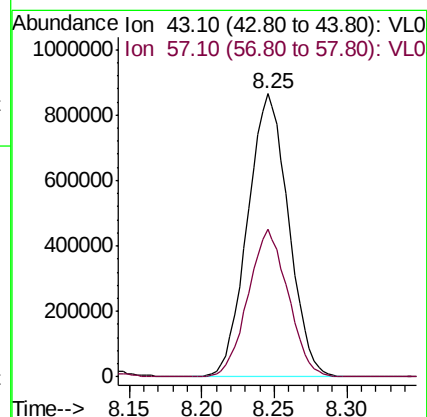
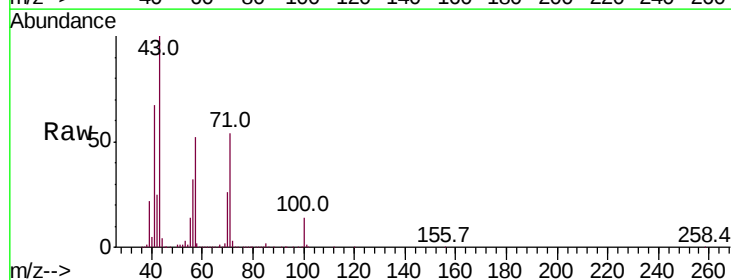
Acq: 6 May 2019 15:40

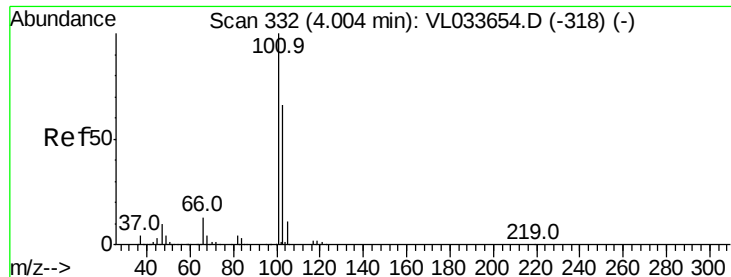
Tgt Ion: 43 Resp: 1688884

Ion Ratio Lower Upper

43 100

57 51.5 41.8 62.6

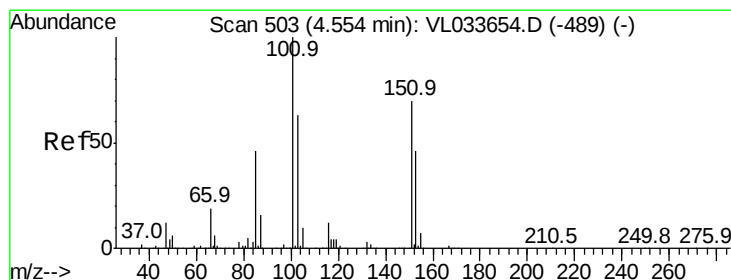
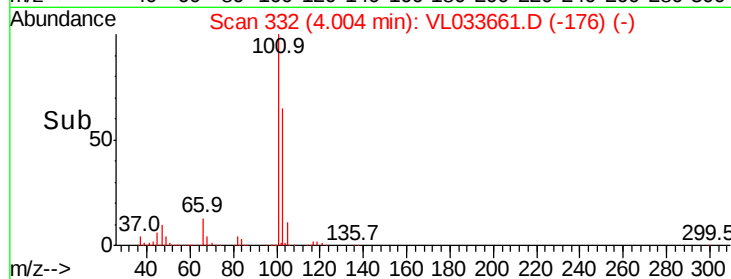
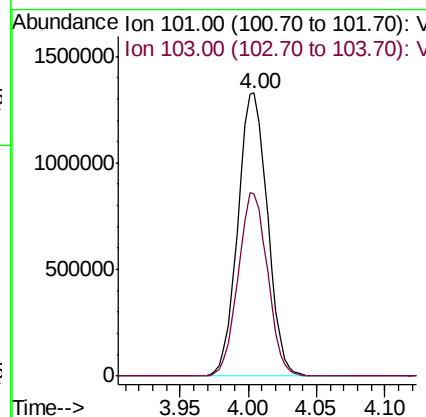
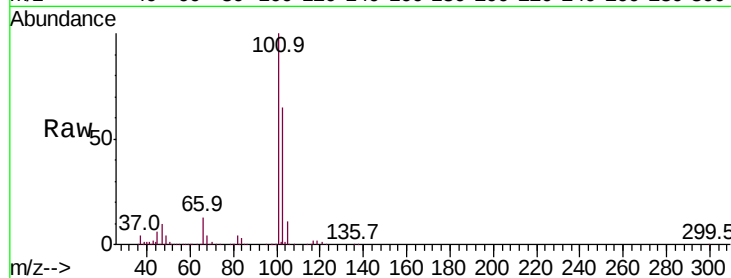




#11
 Trichlorofluoromethane
 Concen: 8.782 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033661.D
 Acq: 6 May 2019 15:40

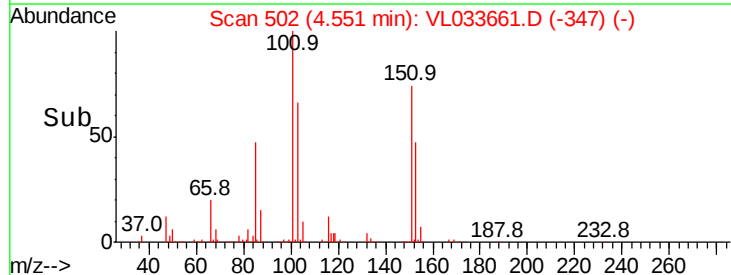
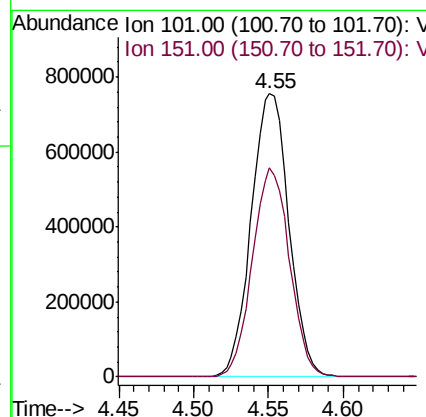
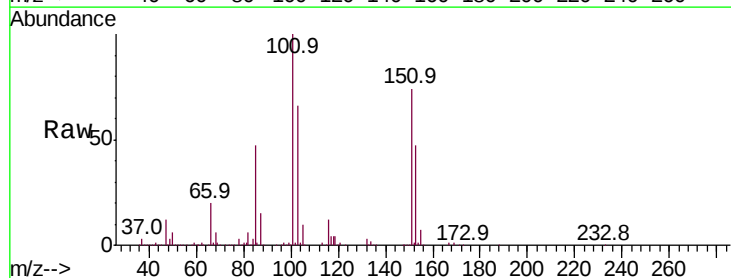
Instrument :
 MSVOA_L
 ClientSampleId :

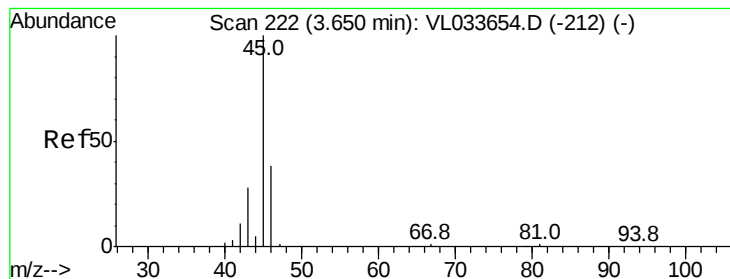
Tot Ion:101 Resp: 2009739
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.7 79.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.620 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033661.D
 Acq: 6 May 2019 15:40

Tgt Ion:101 Resp: 1326136
 Ion Ratio Lower Upper
 101 100
 151 73.0 58.0 87.0





#13

Ethanol

Concen: 7.225 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

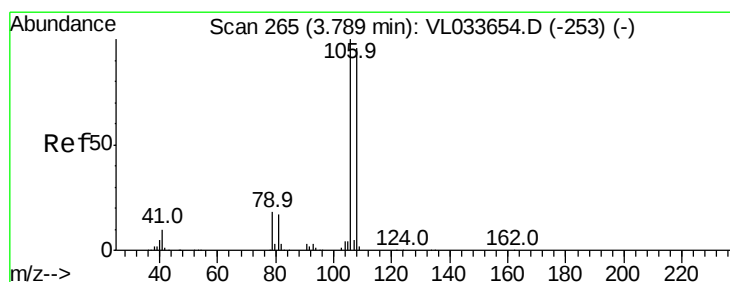
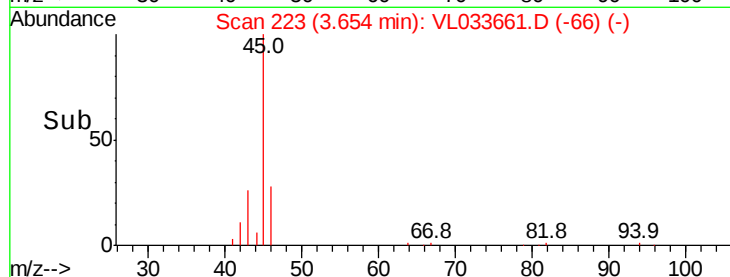
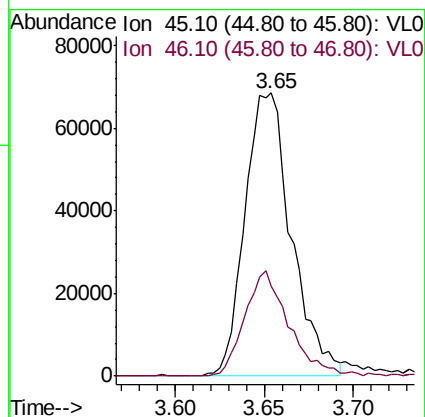
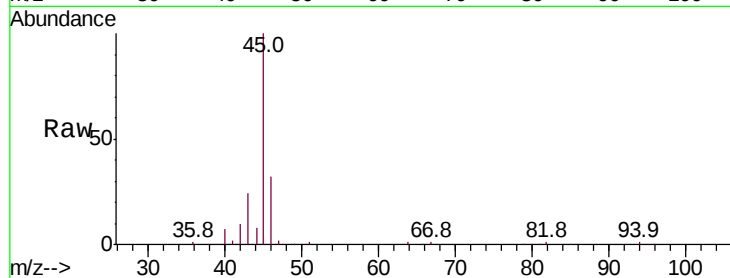
ClientSampleId :

Tot Ion: 45 Resp: 124758

Ion Ratio Lower Upper

45 100

46 35.6 14.9 59.7



#14

Bromoethene

Concen: 9.270 ppbv

RT: 3.79 min Scan# 264

Delta R.T. -0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

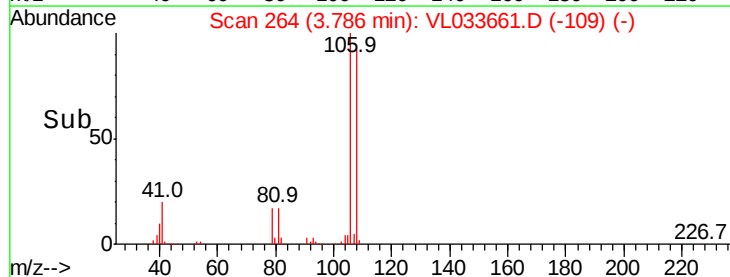
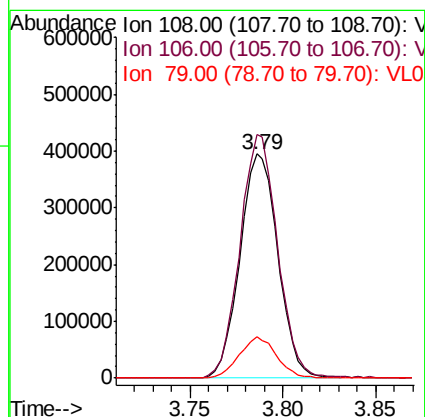
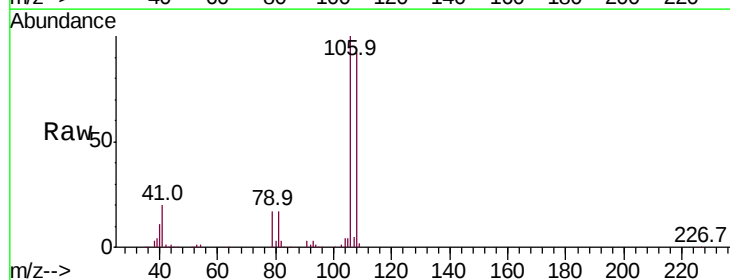
Tgt Ion: 108 Resp: 562132

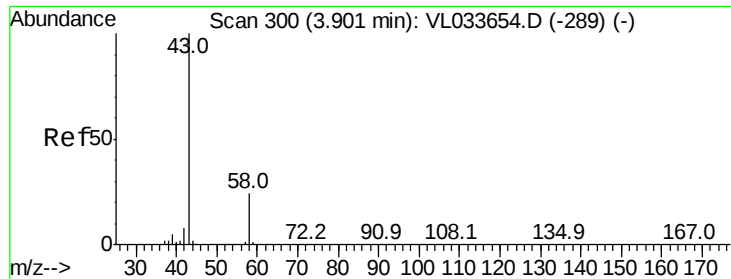
Ion Ratio Lower Upper

108 100

106 108.0 85.7 128.5

79 18.1 15.2 22.8





#15

Acetone

Concen: 8.142 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

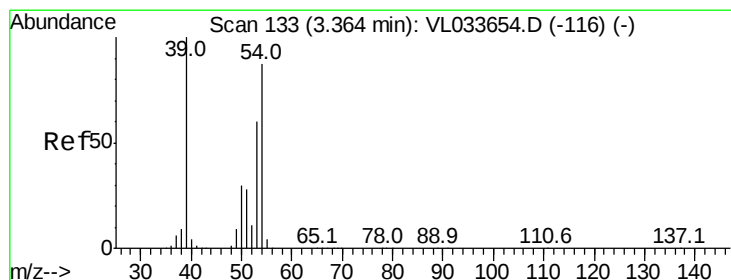
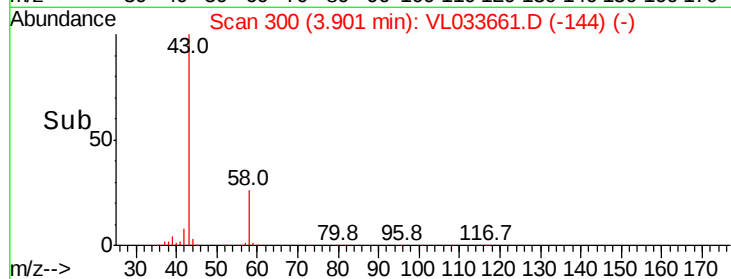
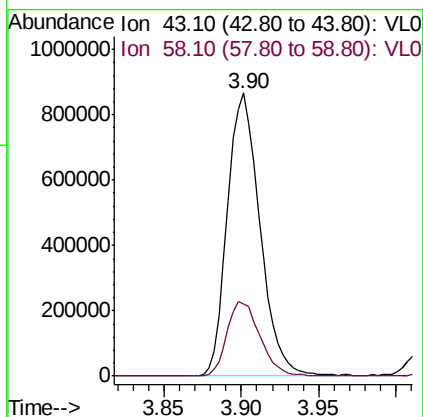
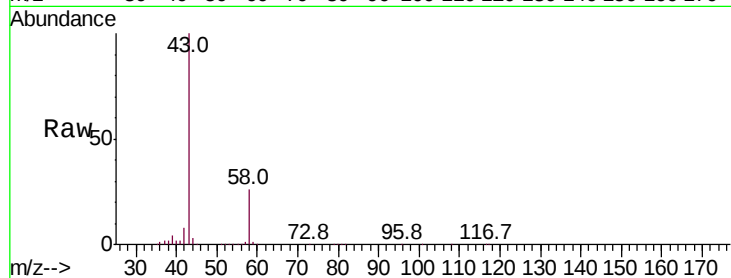
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1265577

Ion Ratio Lower Upper

43 100

58 26.9 20.9 31.3



#16

1,3-Butadiene

Concen: 9.736 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033661.D

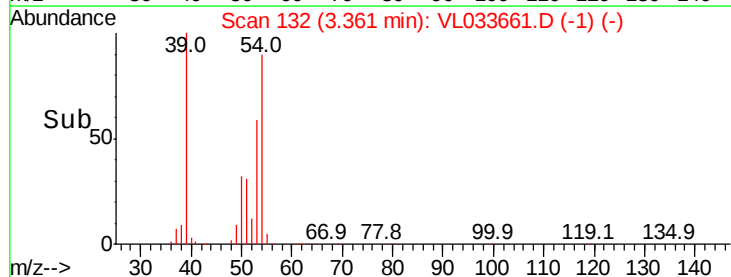
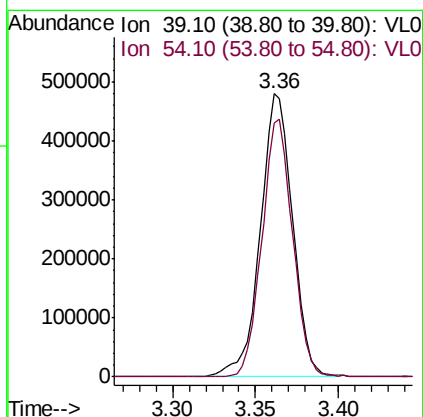
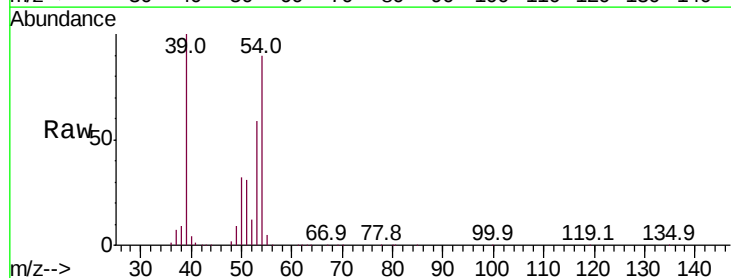
Acq: 6 May 2019 15:40

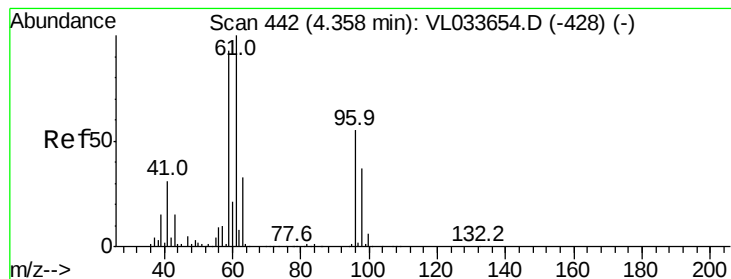
Tgt Ion: 39 Resp: 649027

Ion Ratio Lower Upper

39 100

54 86.8 67.0 100.4



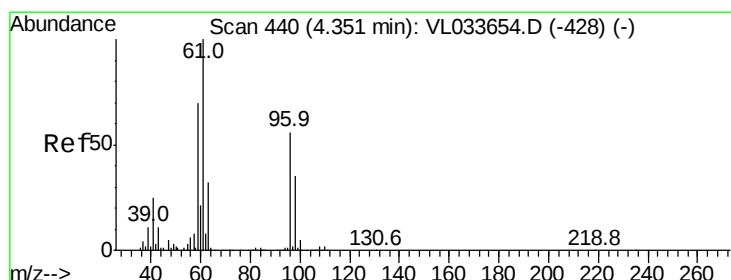
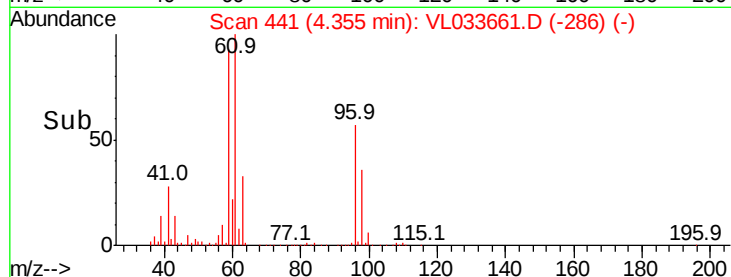
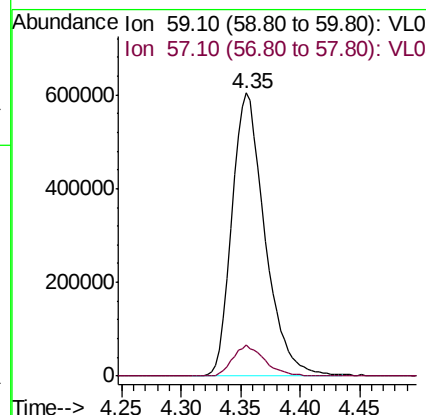
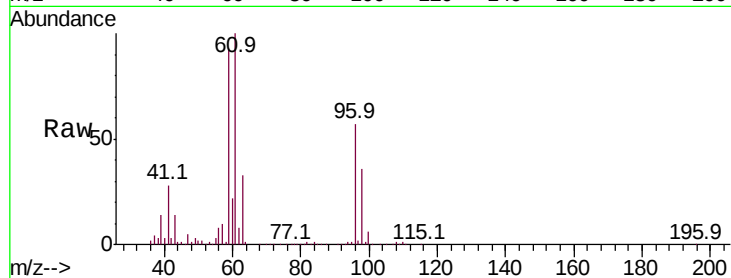


#17

tert-Butyl alcohol
 Concen: 9.836 ppbv
 RT: 4.35 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VL033661.D
 Acq: 6 May 2019 15:40

Instrument :
 MSVOA_L
 ClientSampleId :

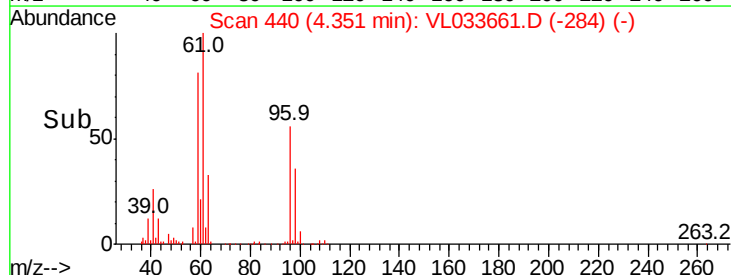
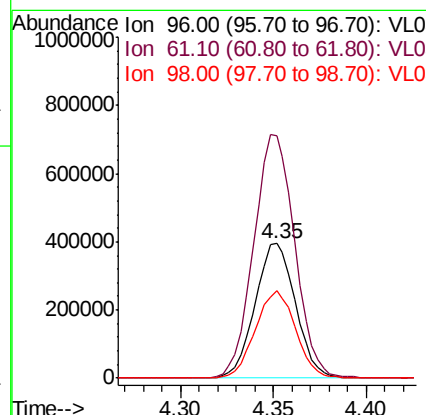
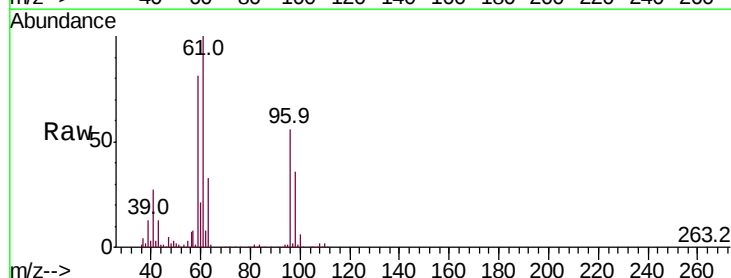
Tot Ion: 59 Resp: 1161251
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.4 12.6

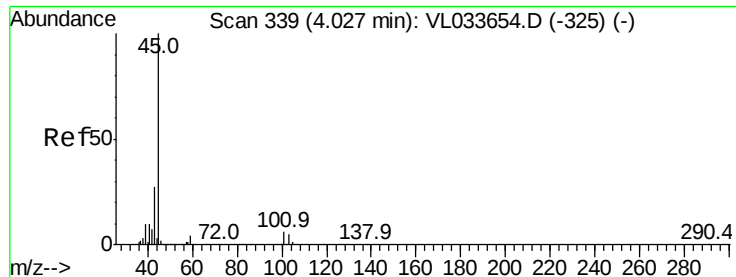


#18

1,1-Dichloroethene
 Concen: 8.990 ppbv
 RT: 4.35 min Scan# 440
 Delta R.T. 0.00 min
 Lab File: VL033661.D
 Acq: 6 May 2019 15:40

Tgt Ion: 96 Resp: 597115
 Ion Ratio Lower Upper
 96 100
 61 180.0 143.4 215.0
 98 65.1 50.4 75.6





#19

Isopropyl Alcohol

Concen: 9.689 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.01 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

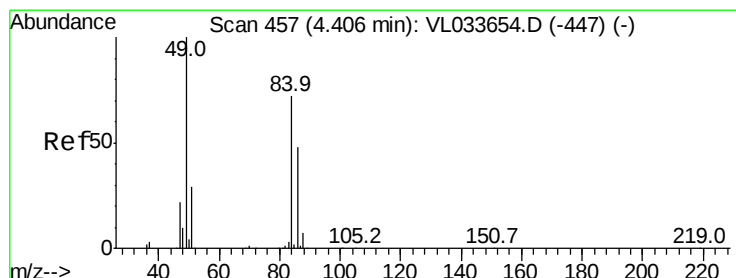
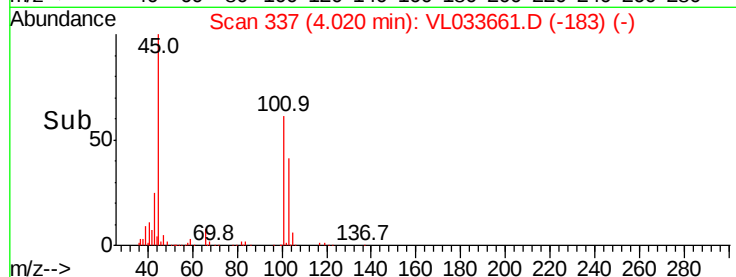
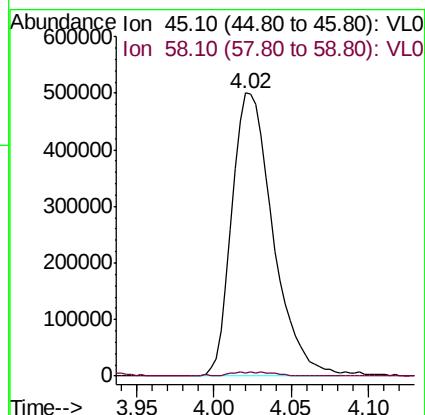
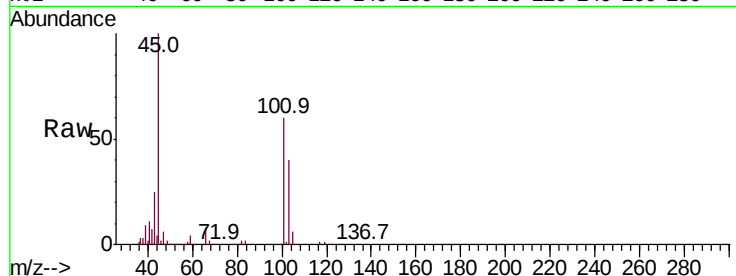
ClientSampleId :

Tot Ion: 45 Resp: 925277

Ion Ratio Lower Upper

45 100

58 1.6 2.0 3.0#



#20

Methylene Chloride

Concen: 8.664 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Tgt Ion: 84 Resp: 511363

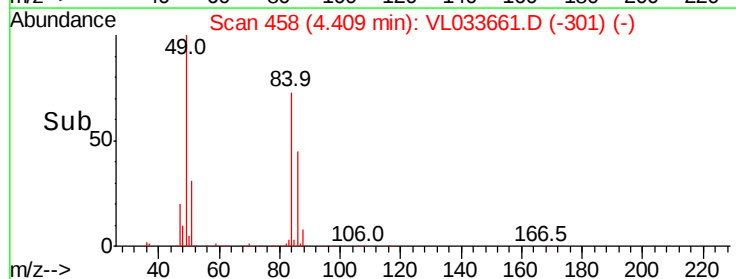
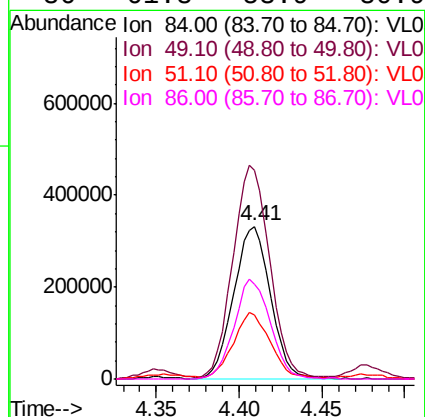
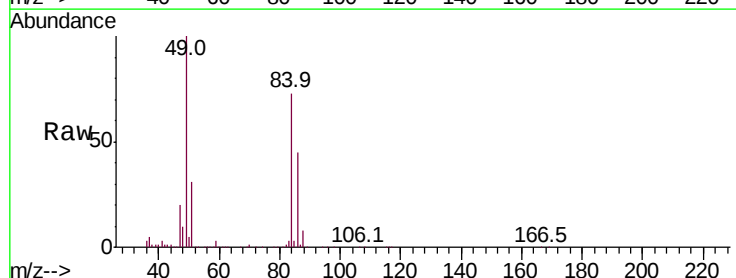
Ion Ratio Lower Upper

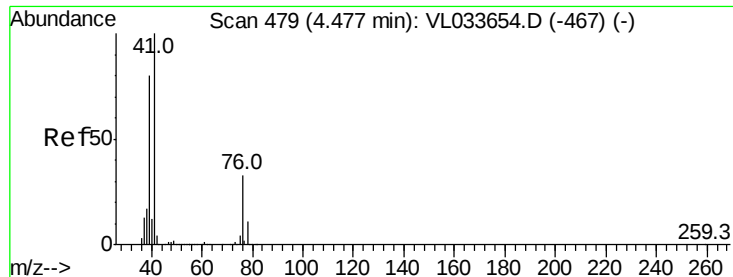
84 100

49 135.3 111.8 167.6

51 40.6 32.3 48.5

86 61.8 53.9 80.9

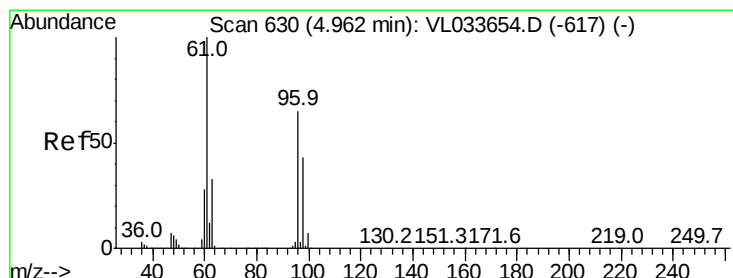
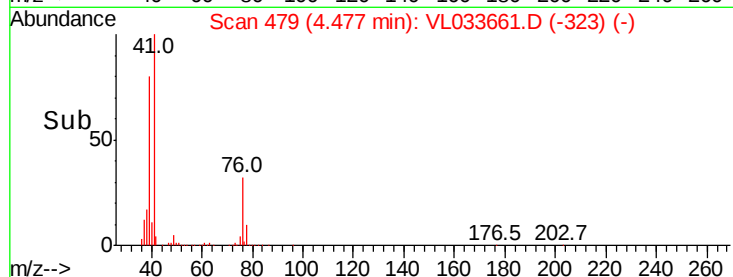
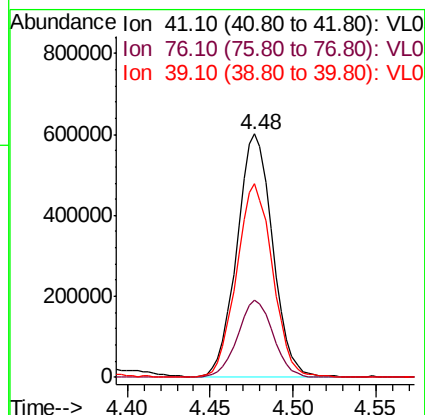
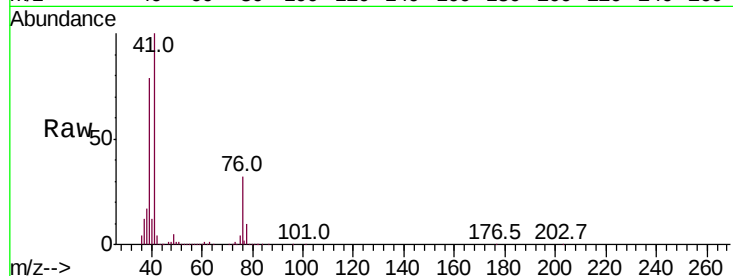




#21
Allvl Chloride
Concen: 9.541 ppbv
RT: 4.48 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL033661.D
Acq: 6 May 2019 15:40

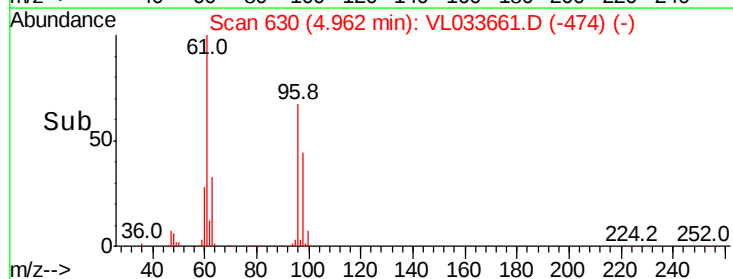
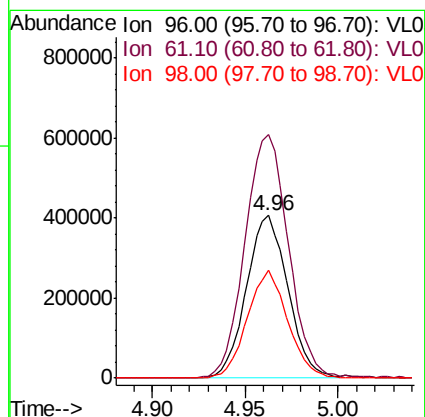
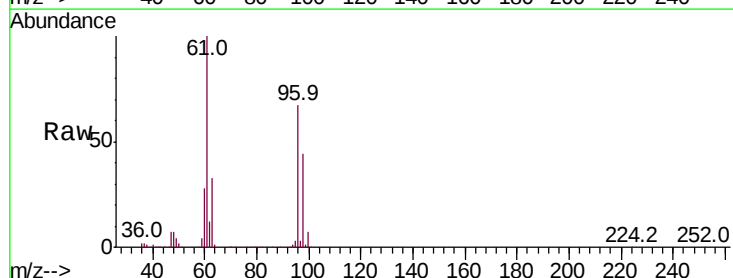
Instrument :
MSVOA_L
ClientSampleId :

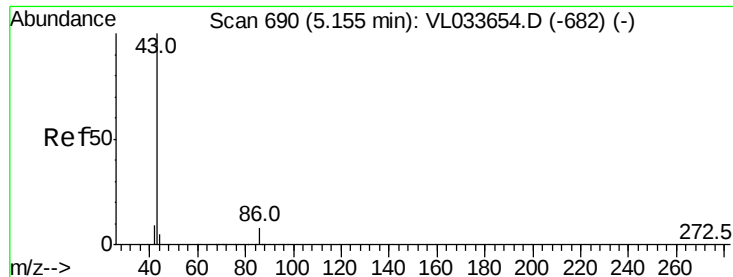
Tot Ion	Ratio	Lower	Upper
41	100		
76	31.8	26.0	39.0
39	80.6	64.4	96.6



#22
trans-1,2-Dichloroethene
Concen: 9.510 ppbv
RT: 4.96 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL033661.D
Acq: 6 May 2019 15:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.5	123.1	184.7
98	66.1	52.6	79.0



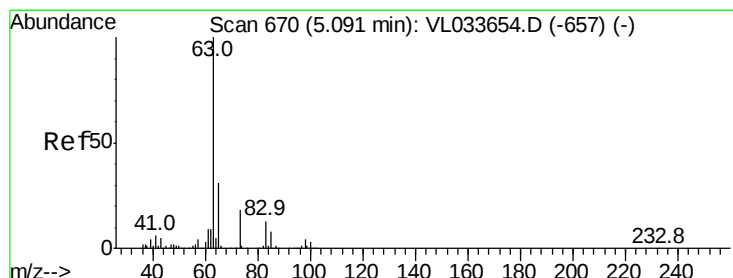
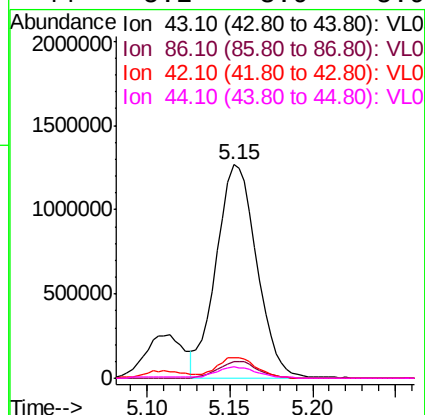
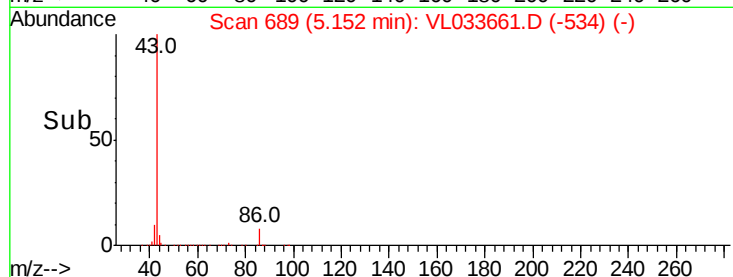
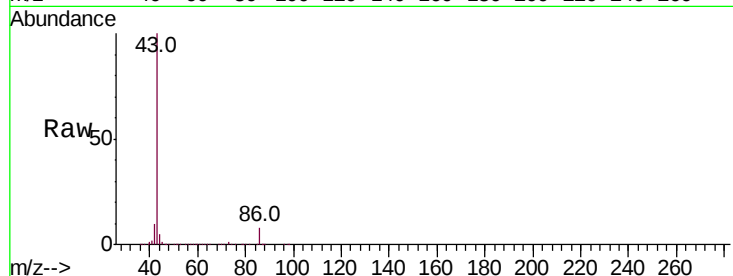


#23
 Vinyl Acetate
 Concen: 10.626 ppbv
 RT: 5.15 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VL033661.D
 Acq: 6 May 2019 15:40

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2146209

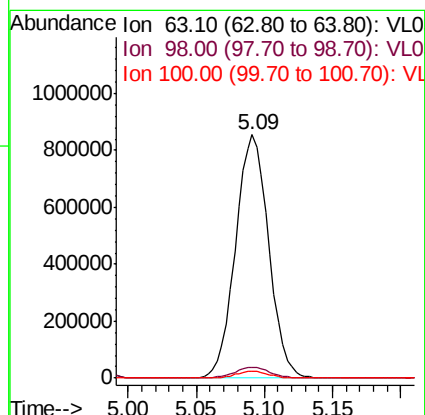
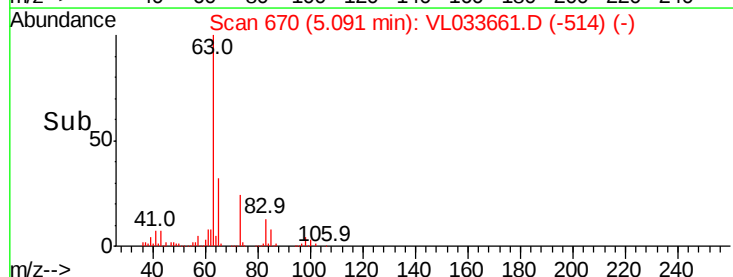
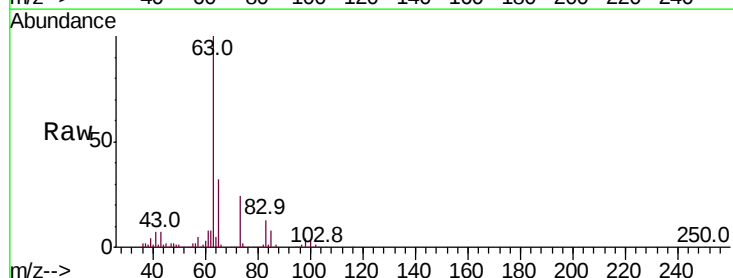
Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.0	9.0
42	9.7	8.0	12.0
44	5.2	3.9	5.9

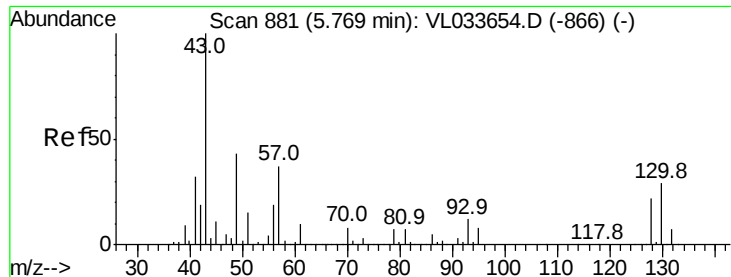


#24
 1,1-Dichloroethane
 Concen: 9.415 ppbv
 RT: 5.09 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VL033661.D
 Acq: 6 May 2019 15:40

Tgt Ion: 63 Resp: 1438624

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.2
100	2.7	1.5	4.4





#25

Ethyl Acetate

Concen: 9.698 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 2452528

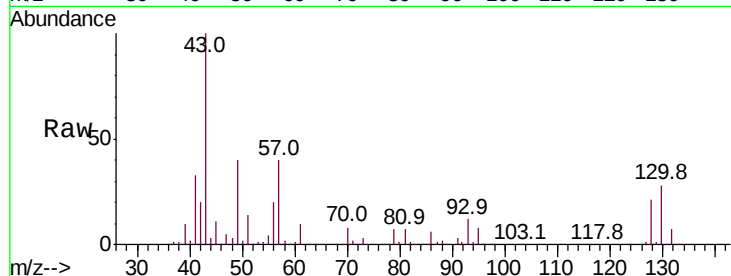
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.0	12.0
61	9.7	7.5	11.3
70	7.4	5.8	8.8

43 100

45 10.2 8.0 12.0

61 9.7 7.5 11.3

70 7.4 5.8 8.8



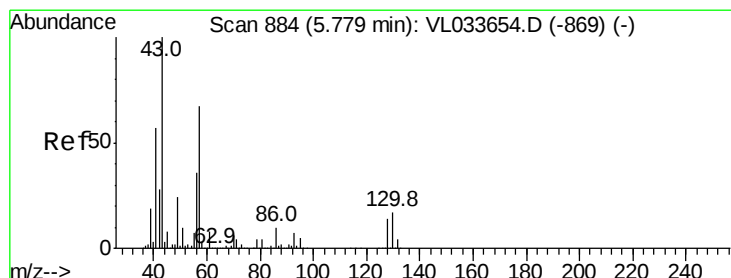
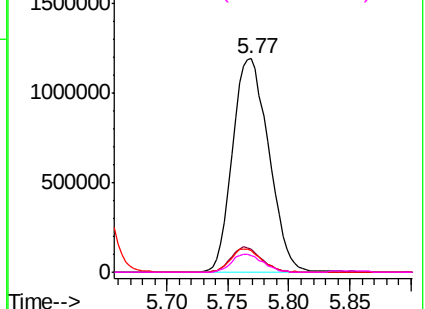
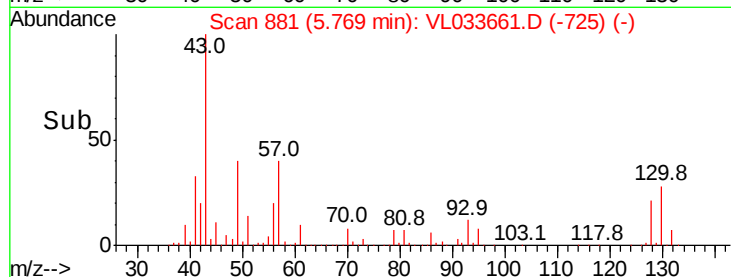
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.883 ppbv

RT: 5.78 min Scan# 884

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Tgt Ion: 57 Resp: 1074402

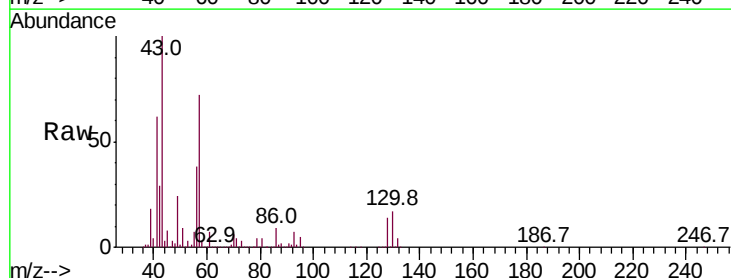
Ion	Ratio	Lower	Upper
57	100		
41	87.1	69.7	104.5
43	230.0	181.9	272.9
56	52.7	42.5	63.7

57 100

41 87.1 69.7 104.5

43 230.0 181.9 272.9

56 52.7 42.5 63.7



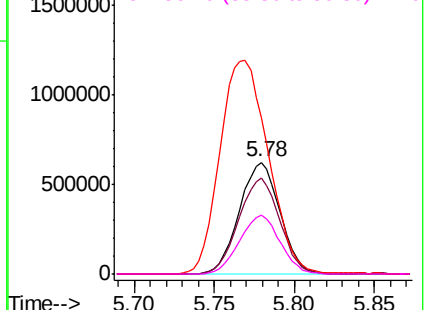
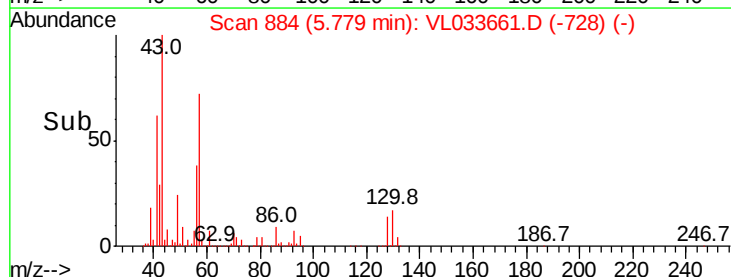
Abundance

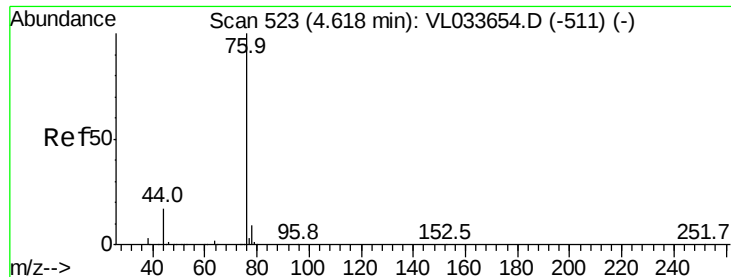
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.038 ppbv

RT: 4.62 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

ClientSampleId :

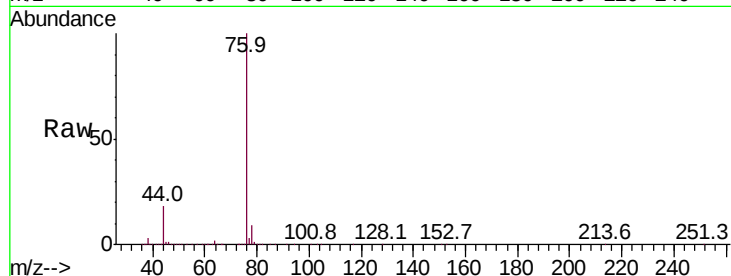
Tot Ion: 76 Resp: 1492546

Ion	Ratio	Lower	Upper
76	100		
44	17.7	14.4	21.6
78	9.3	7.4	11.2

76 100

44 17.7 14.4 21.6

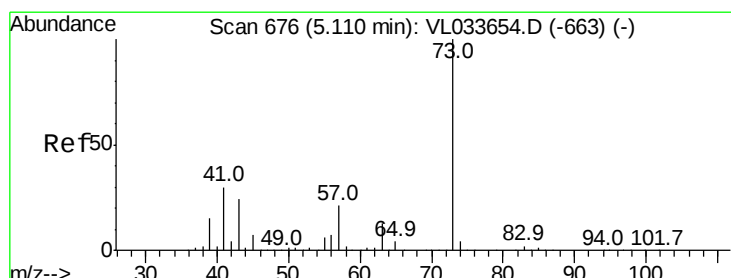
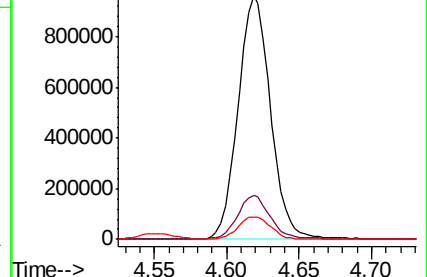
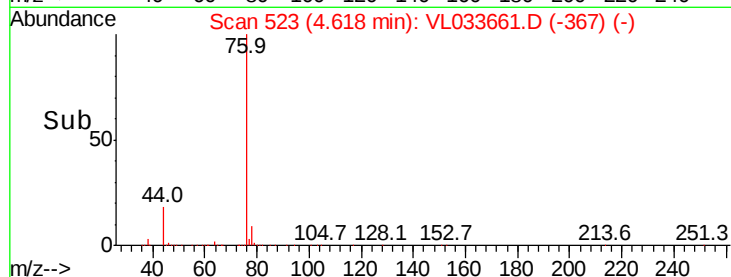
78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.422 ppbv

RT: 5.11 min Scan# 676

Delta R.T. 0.00 min

Lab File: VL033661.D

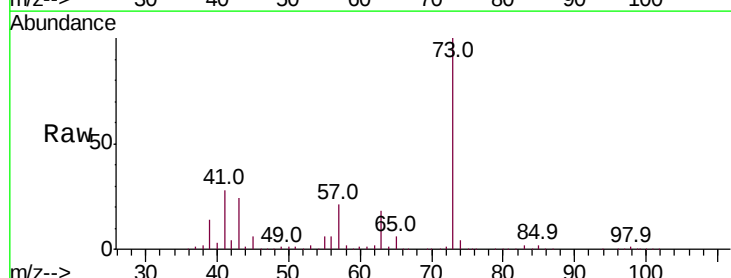
Acq: 6 May 2019 15:40

Tgt Ion: 73 Resp: 1908133

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0

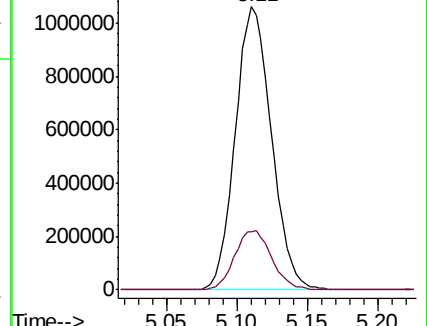
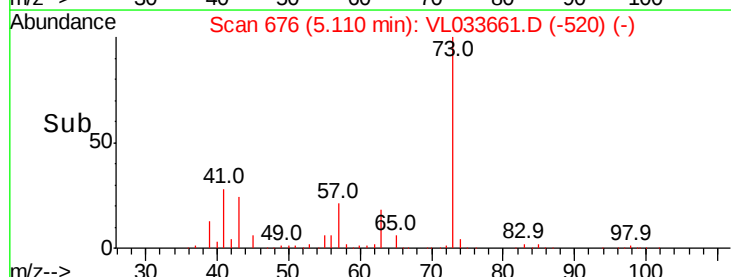
73 100

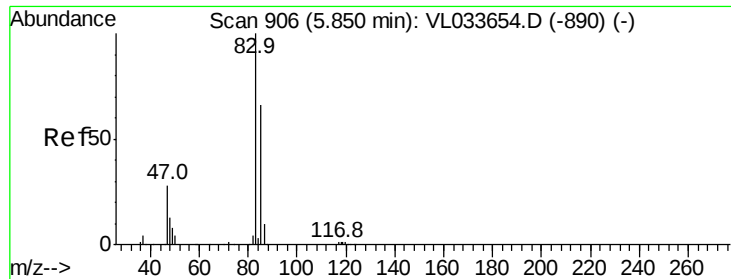
57 21.7 17.4 26.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

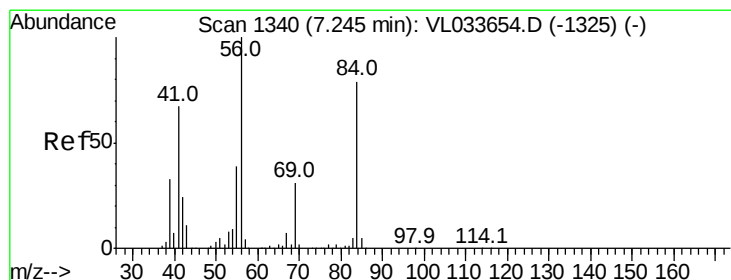
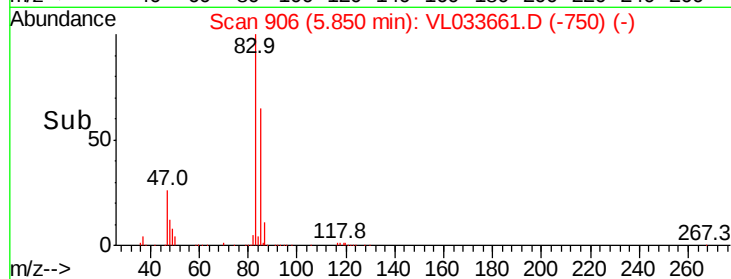
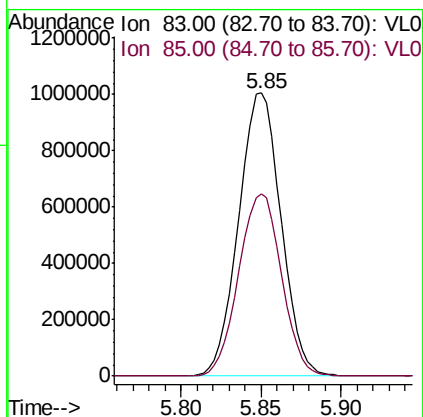
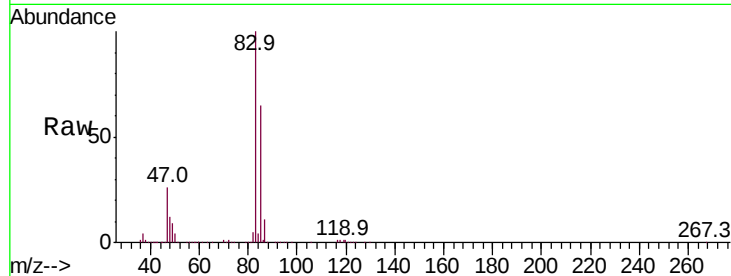




#29
Chloroform
Concen: 9.319 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033661.D
Acq: 6 May 2019 15:40

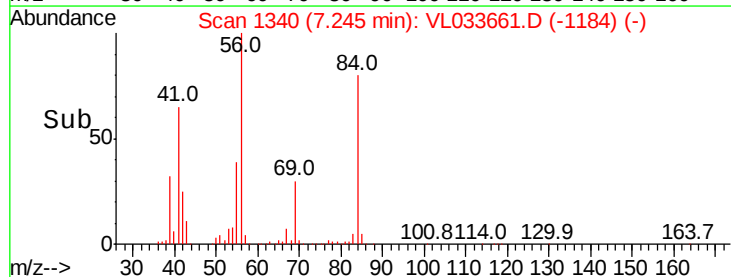
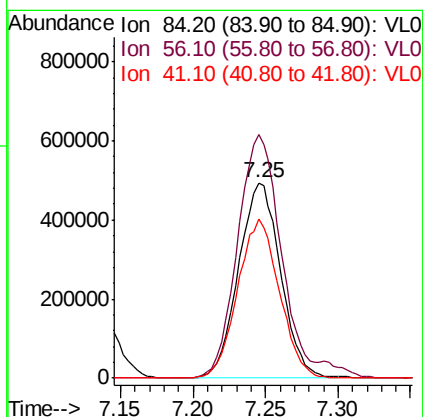
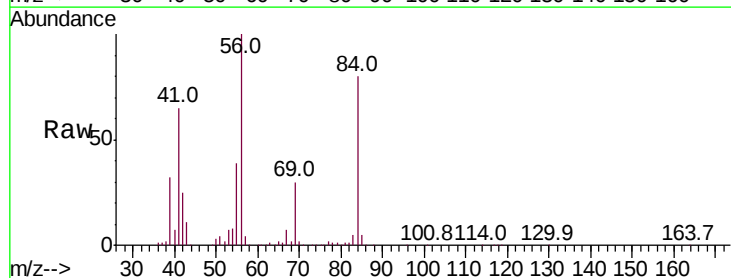
Instrument :
MSVOA_L
ClientSampleId :

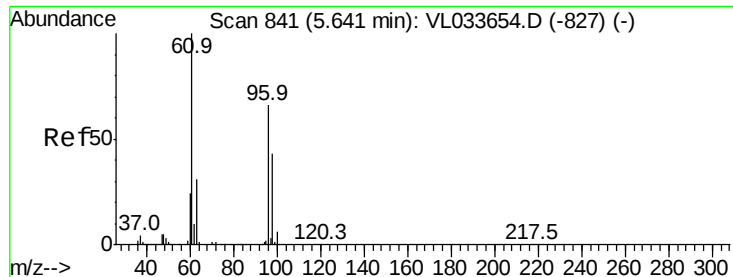
Tot Ion: 83 Resp: 1821390
Ion Ratio Lower Upper
83 100
85 64.4 52.6 78.8



#30
Cyclohexane
Concen: 10.876 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033661.D
Acq: 6 May 2019 15:40

Tgt Ion: 84 Resp: 992913
Ion Ratio Lower Upper
84 100
56 132.9 107.0 160.4
41 81.1 66.6 99.8



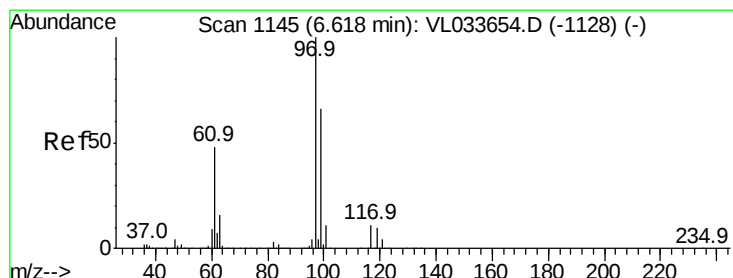
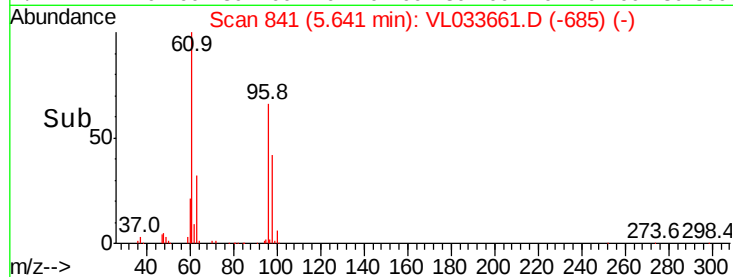
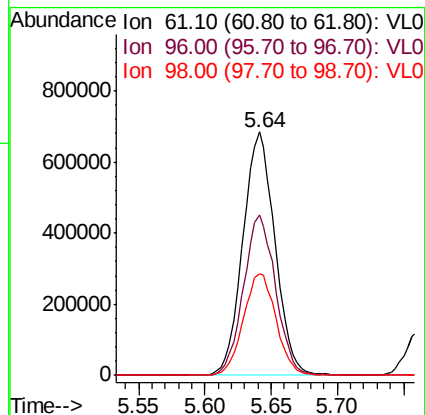
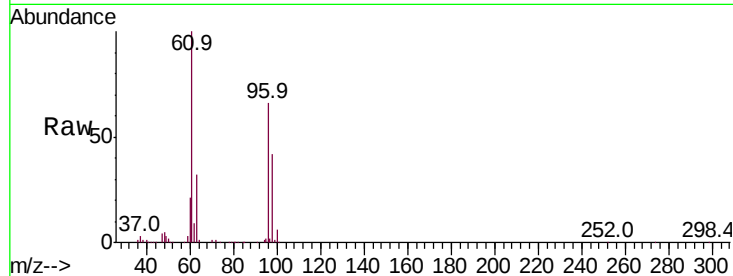


#31

cis-1,2-Dichloroethene
 Concen: 10.660 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: VL033661.D
 Acq: 6 May 2019 15:40

Instrument :
 MSVOA_L
 ClientSampled :

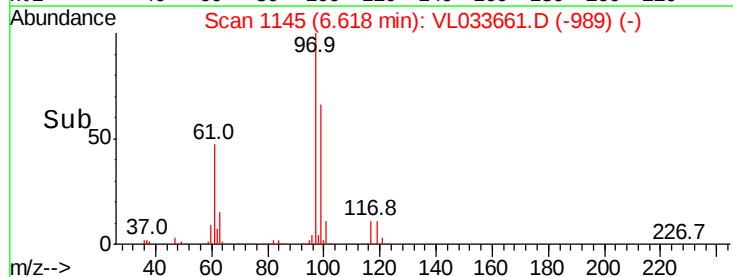
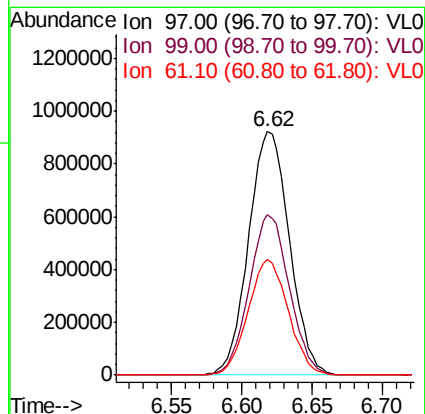
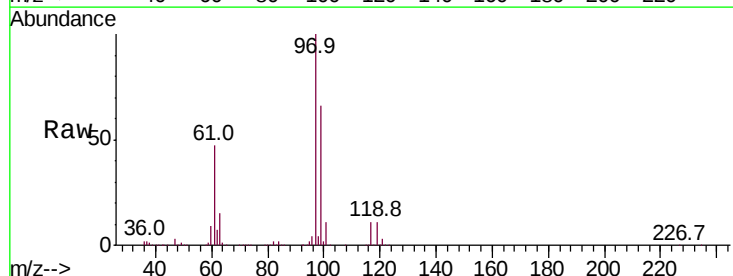
Tot Ion: 61 Resp: 1152788
 Ion Ratio Lower Upper
 61 100
 96 65.7 53.2 79.8
 98 41.7 34.2 51.4

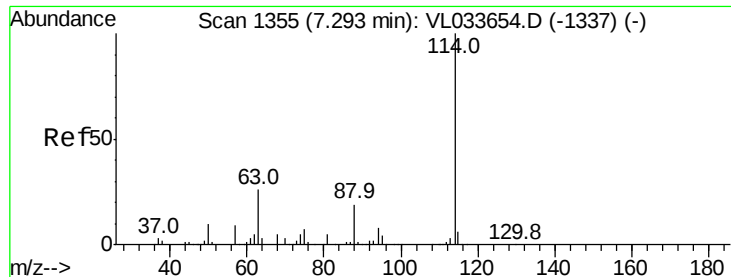


#32

1,1,1-Trichloroethane
 Concen: 9.272 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VL033661.D
 Acq: 6 May 2019 15:40

Tgt Ion: 97 Resp: 1871416
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.4 77.2
 61 46.9 38.5 57.7

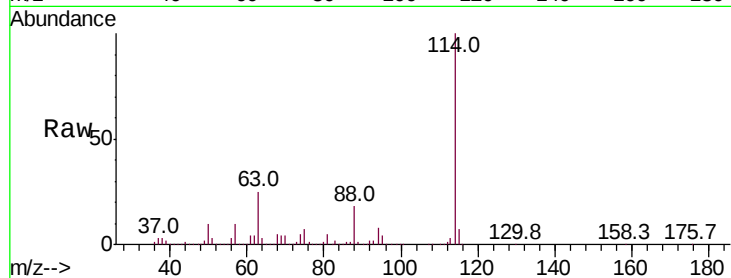




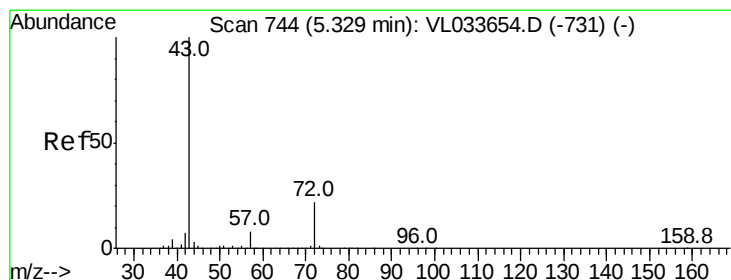
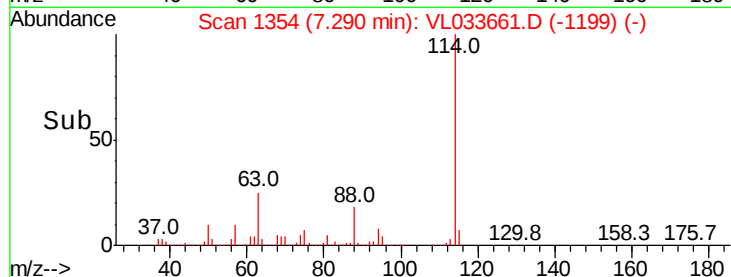
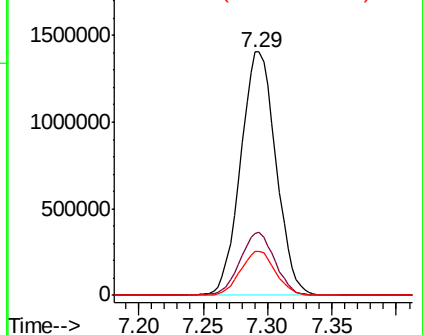
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033661.D
 Acq: 6 May 2019 15:40

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2680963
 Ion Ratio Lower Upper
 114 100
 63 25.9 21.3 31.9
 88 17.9 14.4 21.6

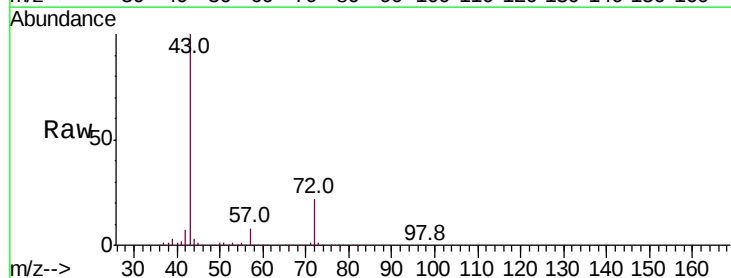


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

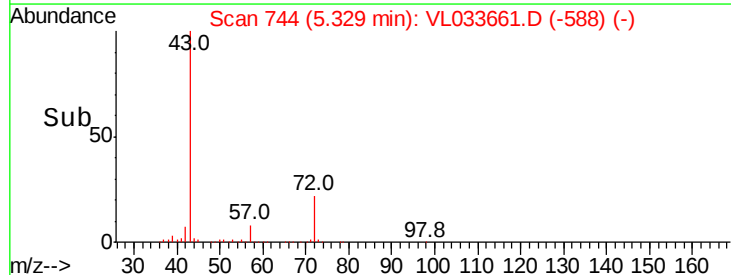
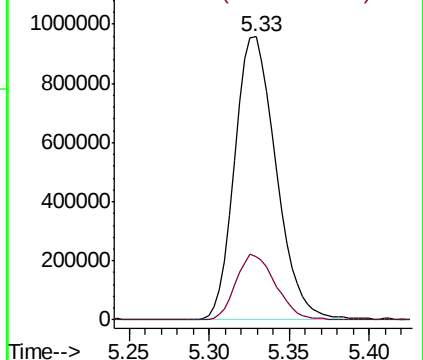


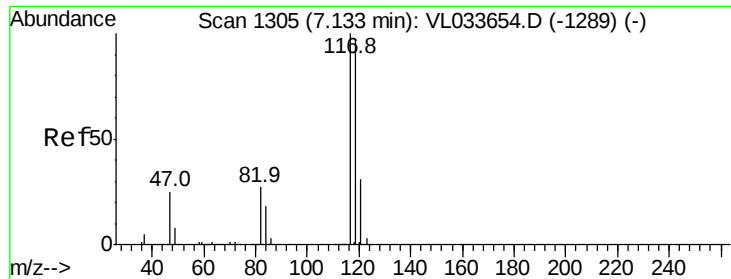
#34
 2-Butanone
 Concen: 9.794 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033661.D
 Acq: 6 May 2019 15:40

Tgt Ion: 43 Resp: 1681387
 Ion Ratio Lower Upper
 43 100
 72 22.5 17.5 26.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.194 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

ClientSampleId :

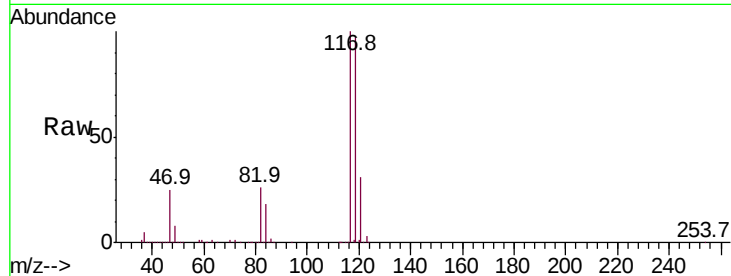
Tot Ion:117 Resp: 2025727

Ion Ratio Lower Upper

117 100

119 96.9 77.9 116.9

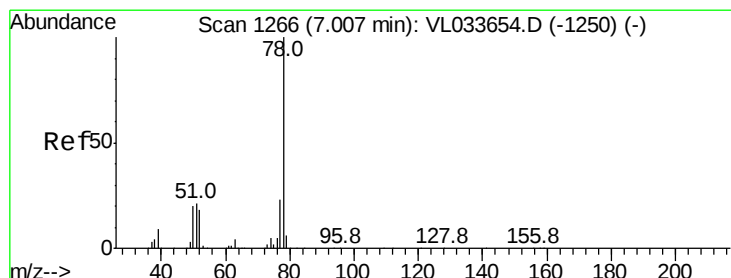
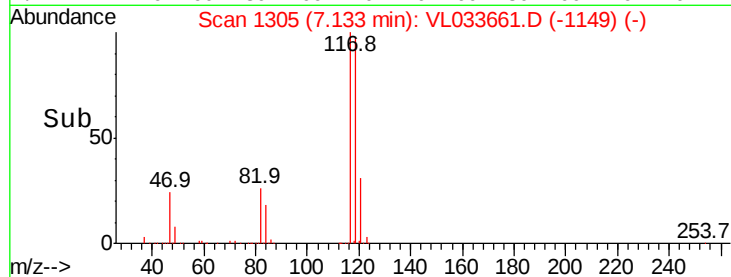
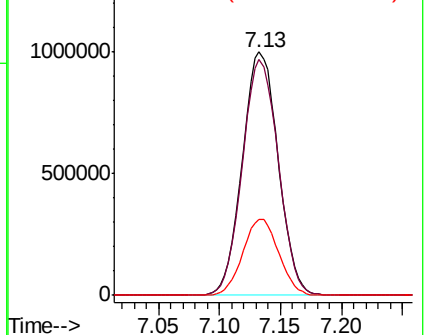
121 31.2 25.0 37.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.954 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

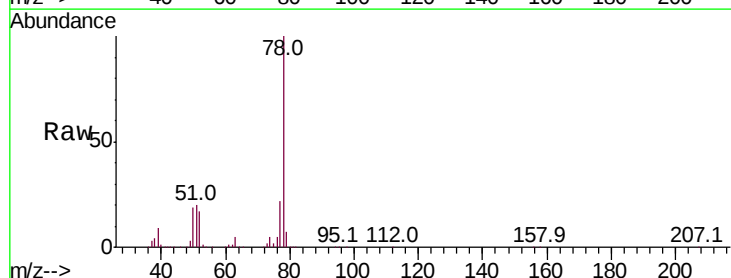
Tgt Ion: 78 Resp: 2392896

Ion Ratio Lower Upper

78 100

77 22.4 18.2 27.2

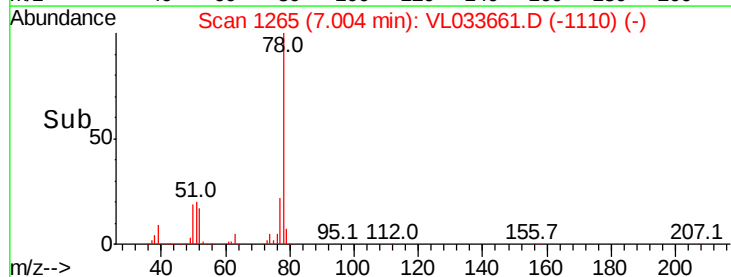
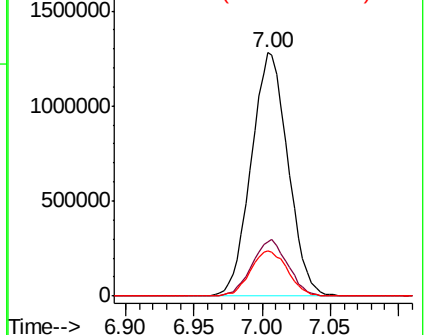
50 18.6 15.8 23.6

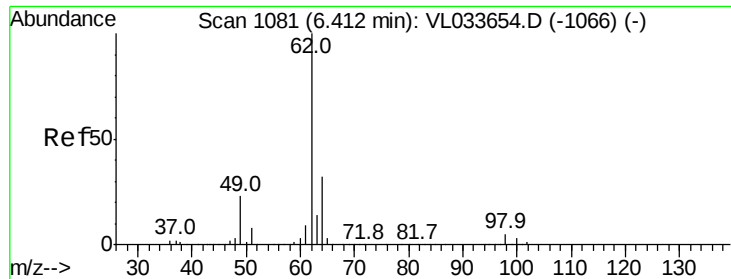


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 8.454 ppbv

RT: 6.41 min Scan# 1081

Delta R.T. 0.00 min

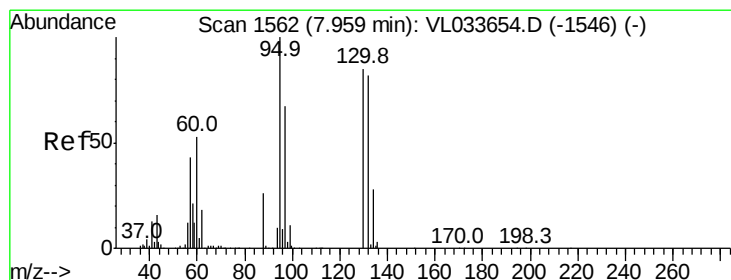
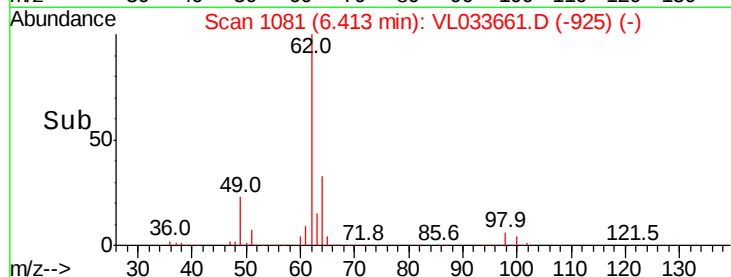
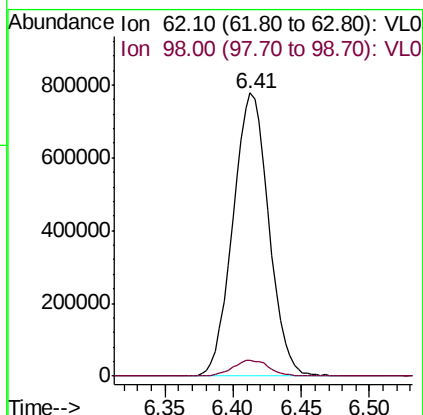
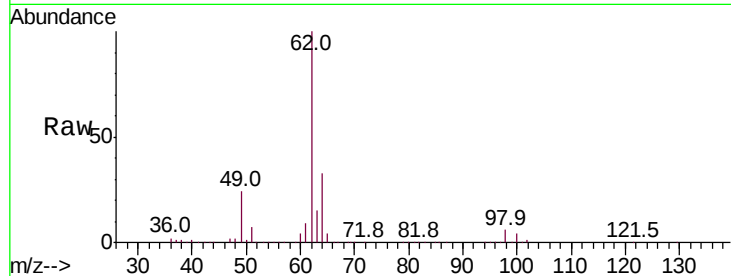
Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 62 Resp: 1417985

Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.5	6.7



#38

Trichloroethene

Concen: 11.675 ppbv

RT: 7.96 min Scan# 1562

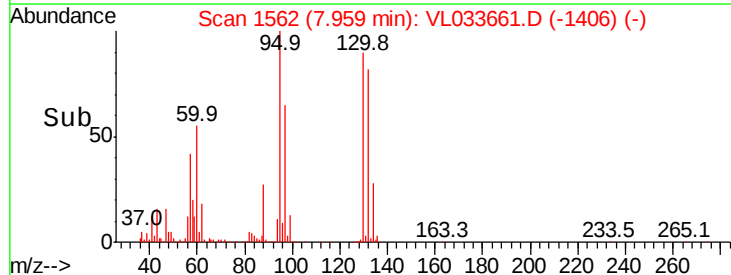
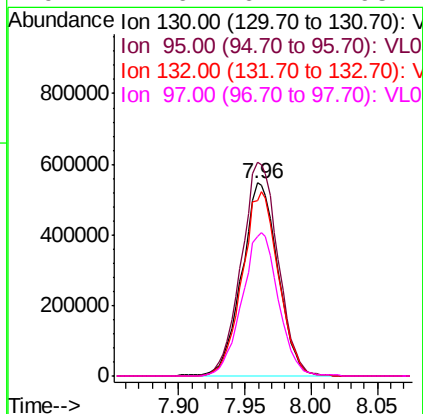
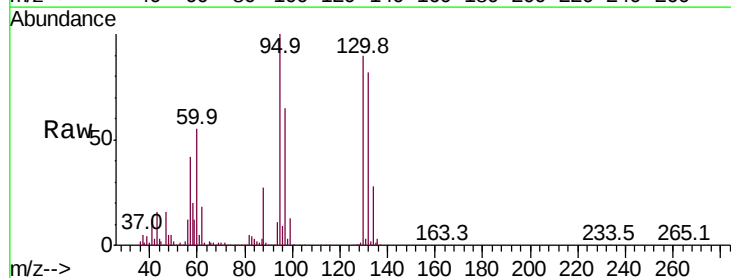
Delta R.T. 0.00 min

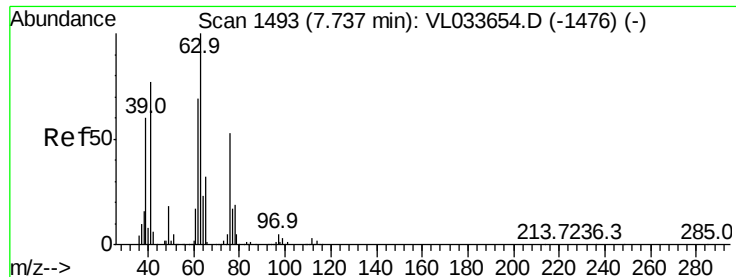
Lab File: VL033661.D

Acq: 6 May 2019 15:40

Tgt Ion: 130 Resp: 1029541

Ion	Ratio	Lower	Upper
130	100		
95	111.0	93.4	140.0
132	91.0	76.2	114.4
97	72.6	62.2	93.4





#39

1,2-Dichloropropane

Concen: 9.859 ppbv

RT: 7.74 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

ClientSampleId :

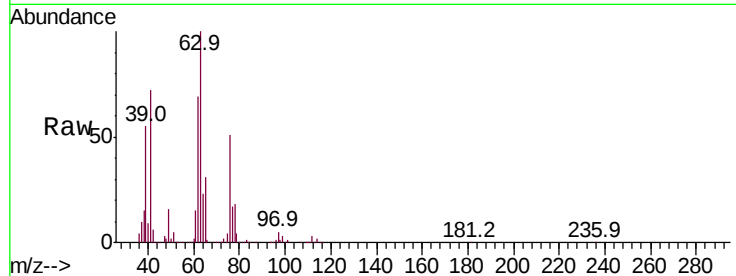
Tot Ion: 63 Resp: 883373

Ion Ratio Lower Upper

63 100

41 71.7 61.6 92.4

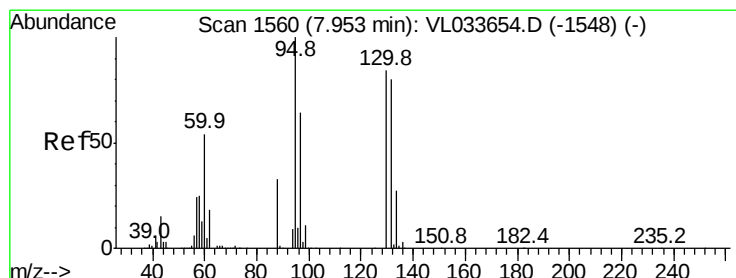
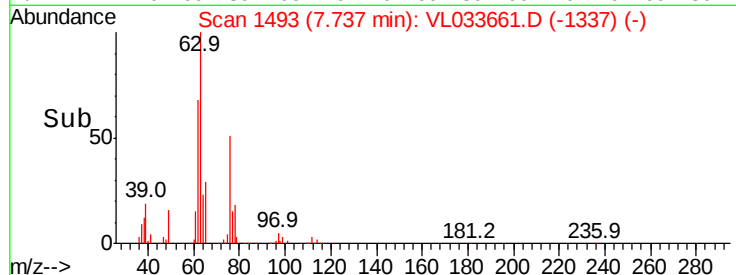
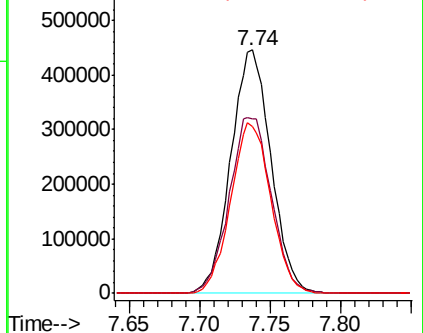
62 68.4 55.0 82.6



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 11.299 ppbv

RT: 7.96 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Tgt Ion: 88 Resp: 404588

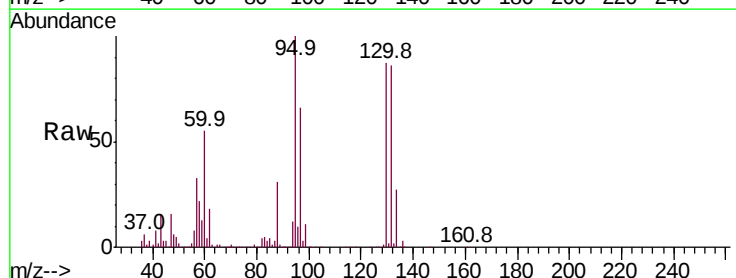
Ion Ratio Lower Upper

88 100

58 119.2 102.3 153.5

43 240.3 206.1 309.1

57 1078.4 910.6 1366.0

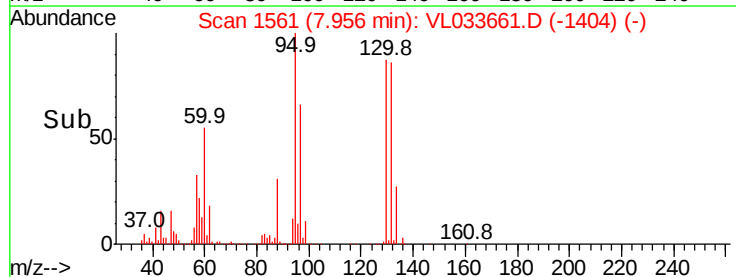
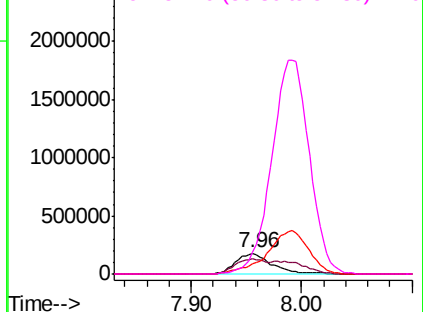


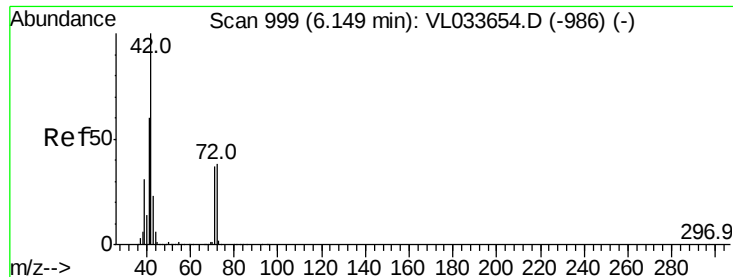
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.518 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

ClientSampleId :

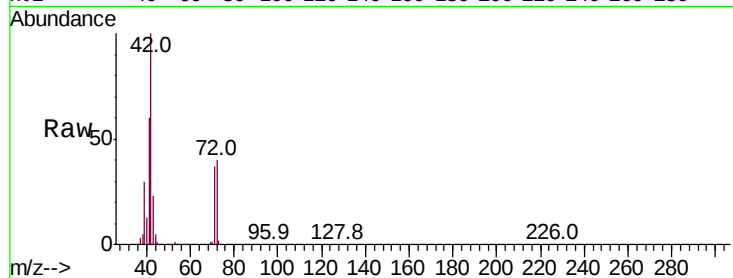
Tot Ion: 42 Resp: 933152

Ion Ratio Lower Upper

42 100

72 40.5 31.6 47.4

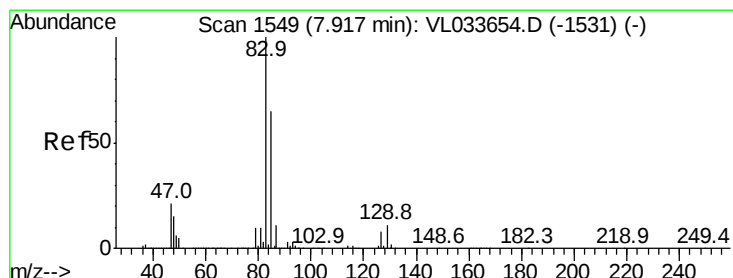
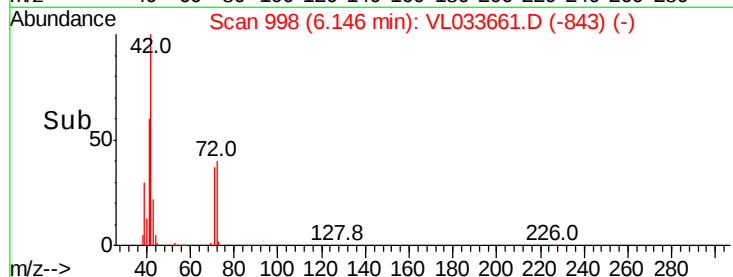
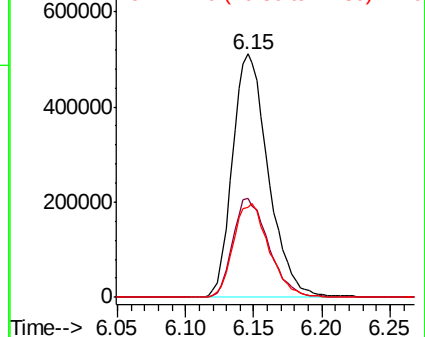
71 38.9 30.6 46.0



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.671 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

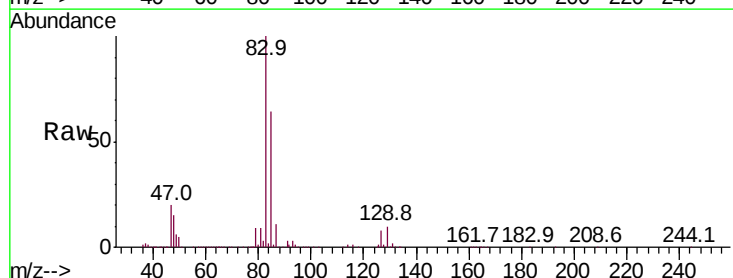
Tgt Ion: 83 Resp: 2094564

Ion Ratio Lower Upper

83 100

85 64.4 52.4 78.6

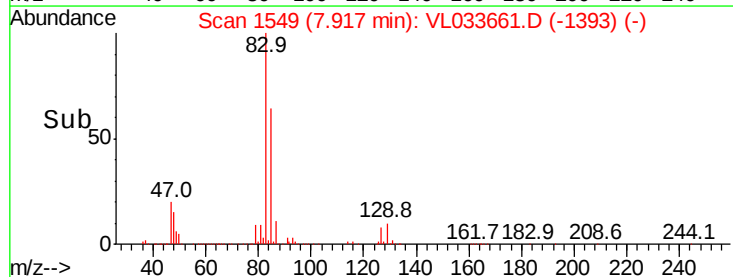
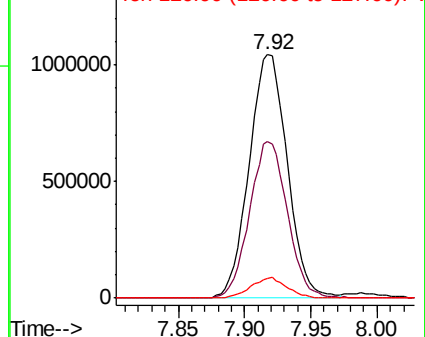
127 7.9 6.6 9.8

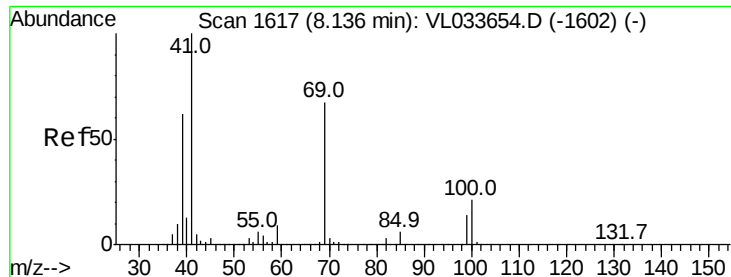


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 12.317 ppbv

RT: 8.14 min Scan# 1617

Delta R.T. 0.00 min

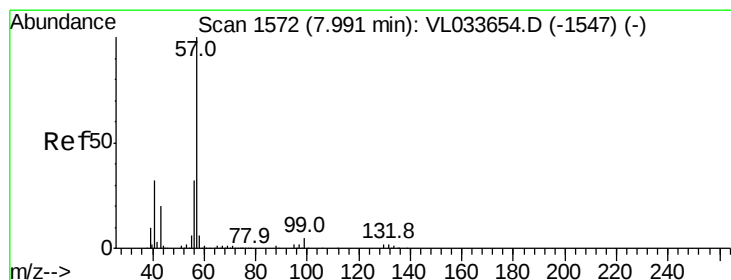
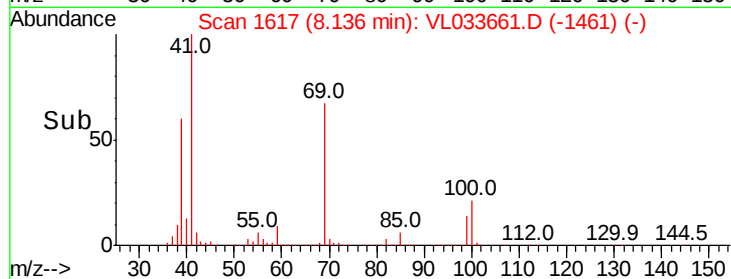
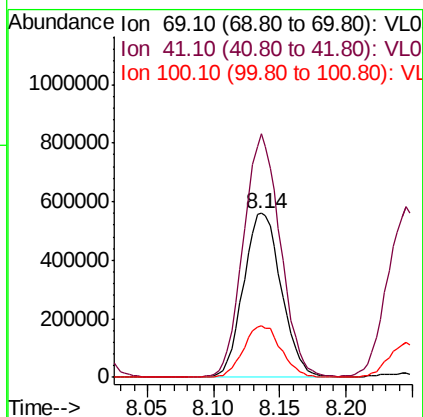
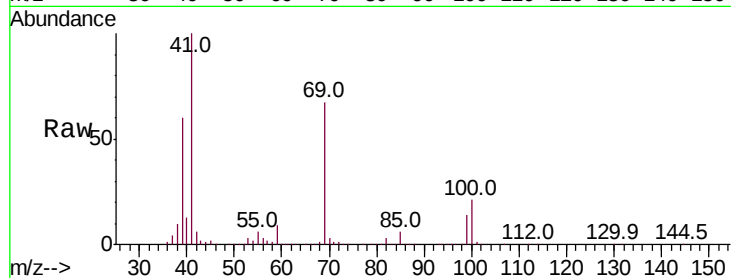
Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 1113787

Ion	Ratio	Lower	Upper
69	100		
41	144.4	116.6	175.0
100	31.4	24.6	37.0



#44

2,2,4-Trimethylpentane

Concen: 10.604 ppbv

RT: 7.99 min Scan# 1572

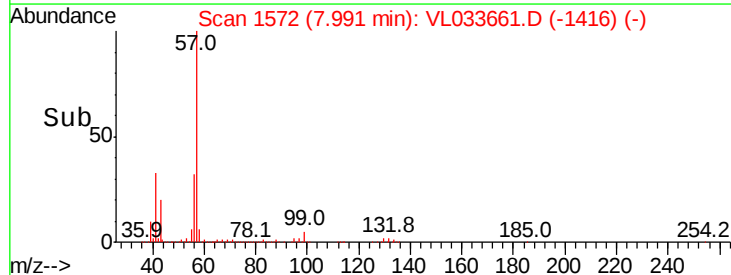
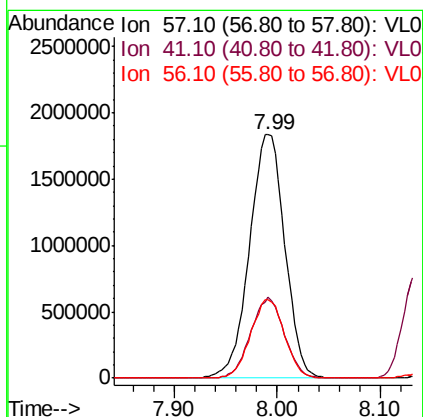
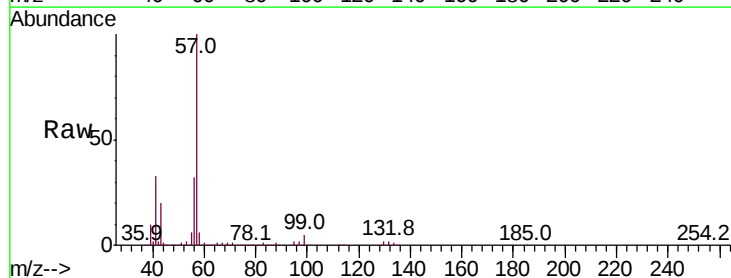
Delta R.T. 0.00 min

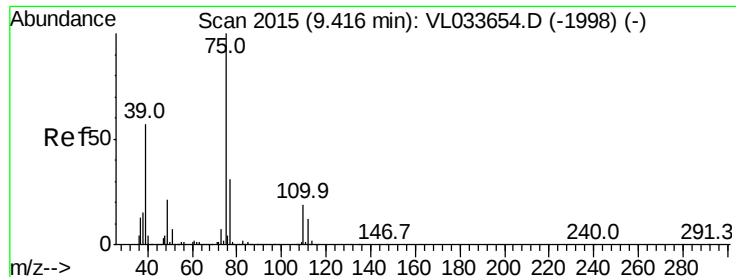
Lab File: VL033661.D

Acq: 6 May 2019 15:40

Tgt Ion: 57 Resp: 4358761

Ion	Ratio	Lower	Upper
57	100		
41	31.6	25.7	38.5
56	31.1	25.0	37.6





#45

t-1,3-Dichloropropene

Concen: 12.360 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

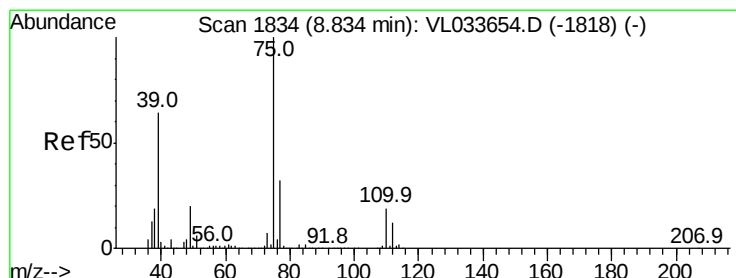
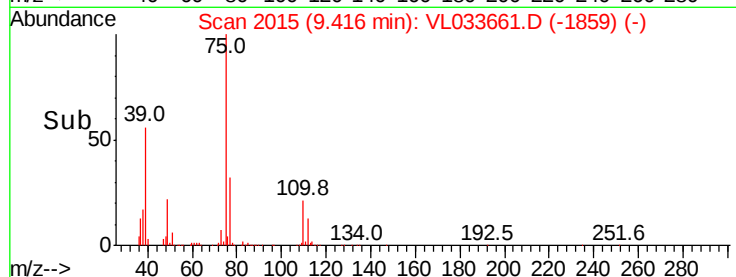
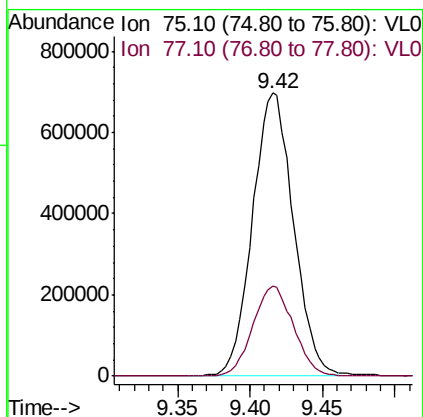
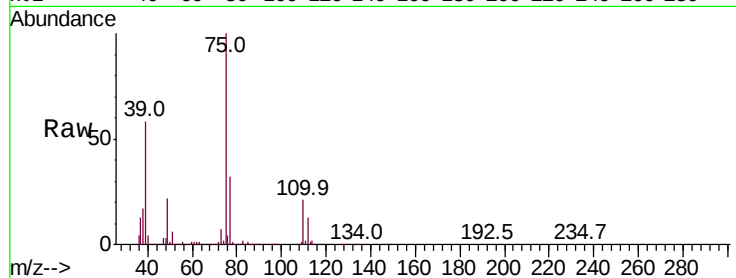
ClientSampleId :

Tot Ion: 75 Resp: 1371772

Ion Ratio Lower Upper

75 100

77 31.7 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 11.923 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

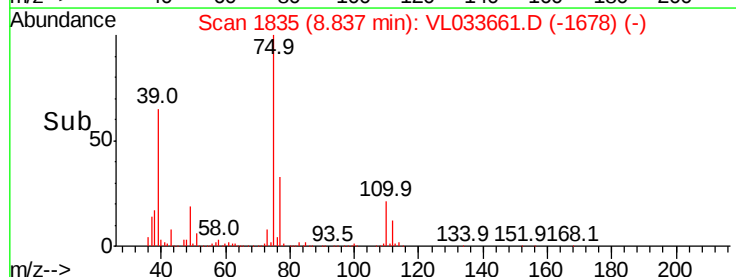
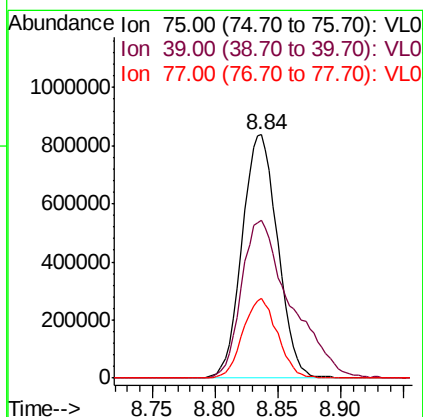
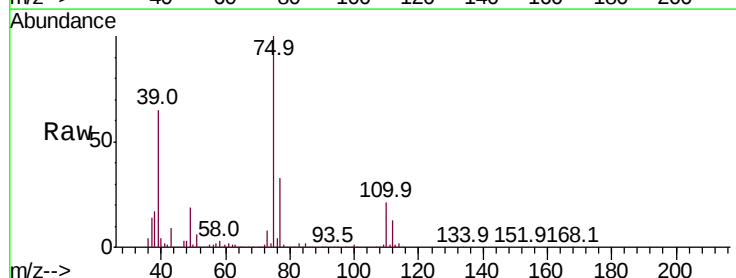
Tgt Ion: 75 Resp: 1651496

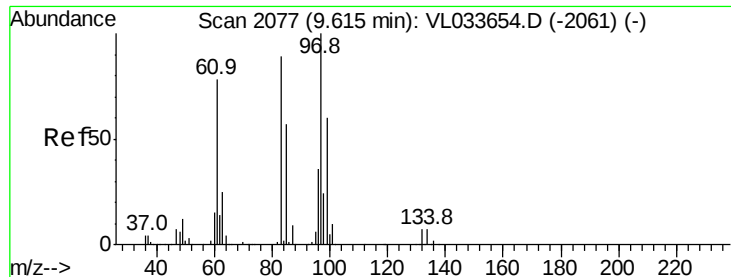
Ion Ratio Lower Upper

75 100

39 64.6 51.5 77.3

77 32.6 25.4 38.0



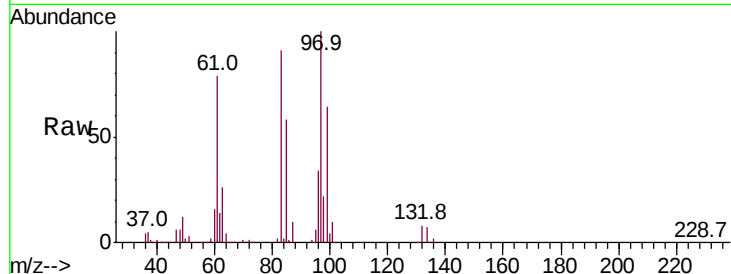


#47
 1,1,2-Trichloroethane
 Concen: 10.060 ppbv
 RT: 9.61 min Scan# 2077
 Delta R.T. 0.00 min
 Lab File: VL033661.D
 Acq: 6 May 2019 15:40

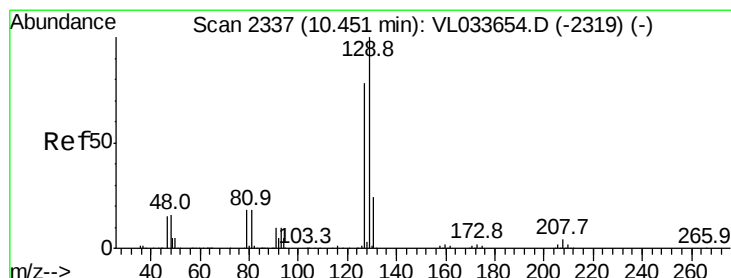
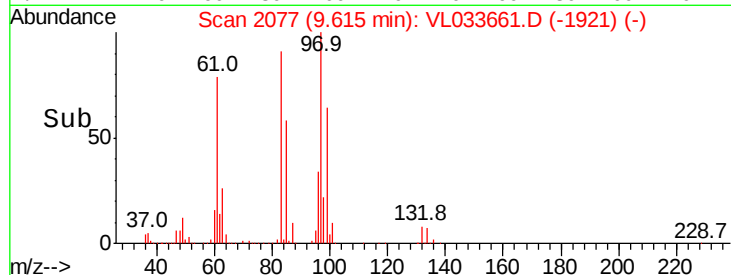
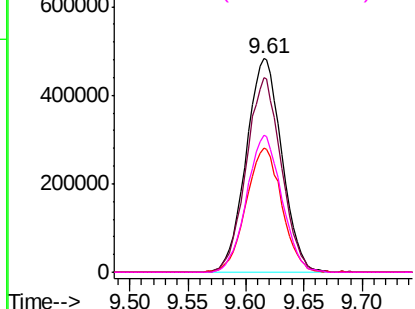
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1035053

Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.9	106.3
85	58.4	45.8	68.6
99	64.2	48.2	72.4



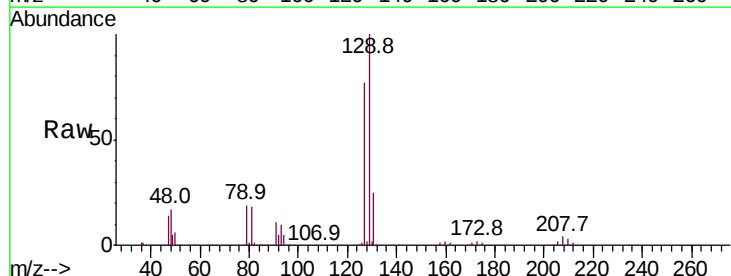
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



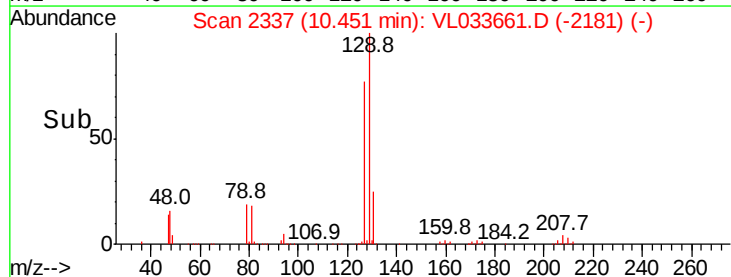
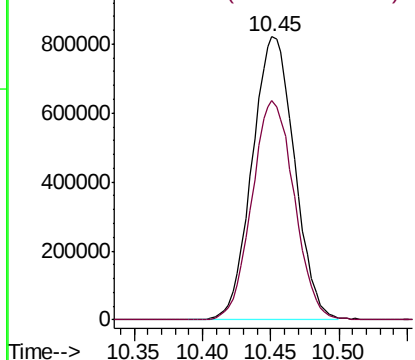
#48
 Dibromochloromethane
 Concen: 10.144 ppbv
 RT: 10.45 min Scan# 2337
 Delta R.T. 0.00 min
 Lab File: VL033661.D
 Acq: 6 May 2019 15:40

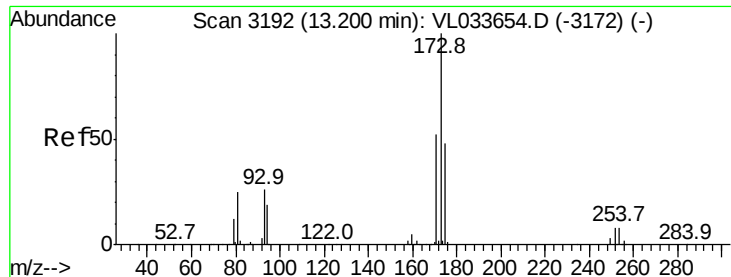
Tgt Ion: 129 Resp: 1769325

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.2



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.427 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

ClientSampleId :

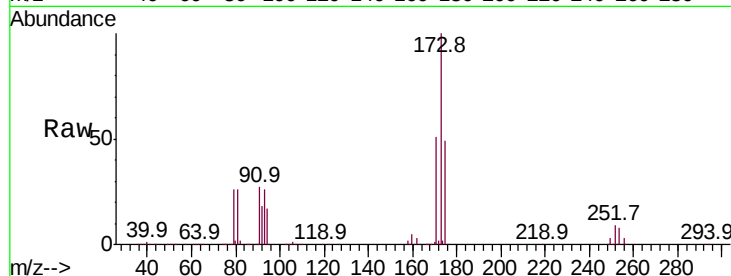
Tot Ion:173 Resp: 1731325

Ion Ratio Lower Upper

173 100

175 49.2 39.3 58.9

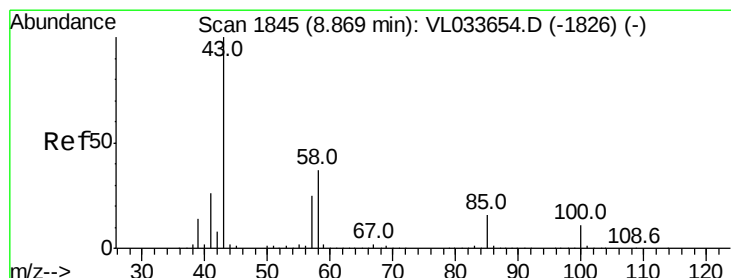
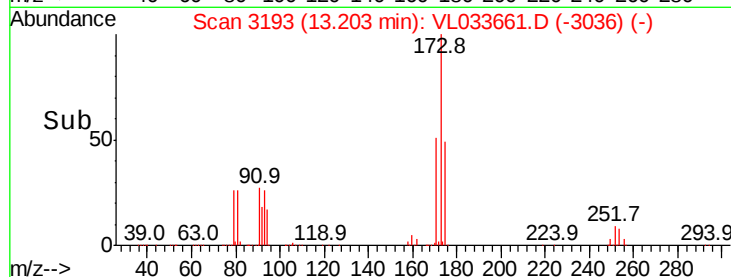
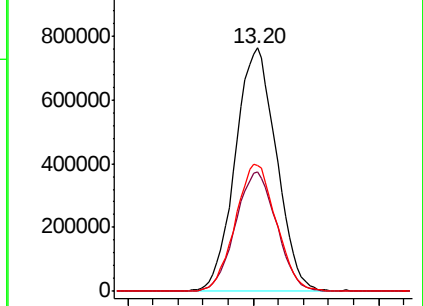
171 52.1 41.5 62.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.642 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VL033661.D

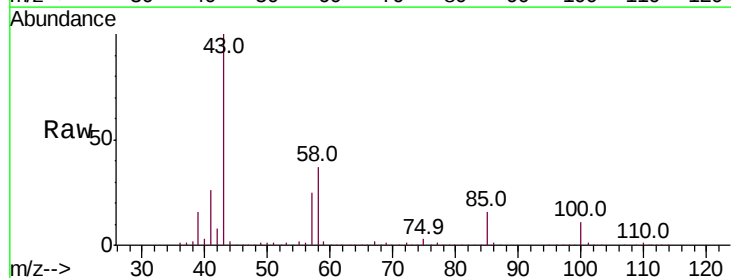
Acq: 6 May 2019 15:40

Tgt Ion: 43 Resp: 2766529

Ion Ratio Lower Upper

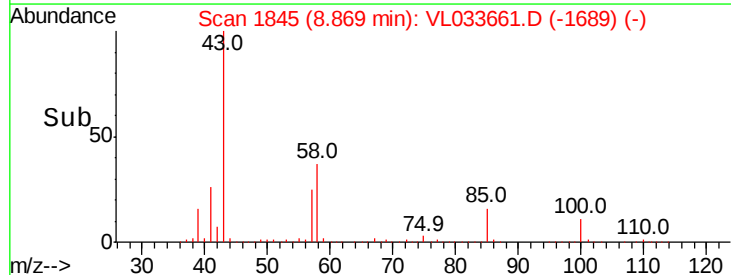
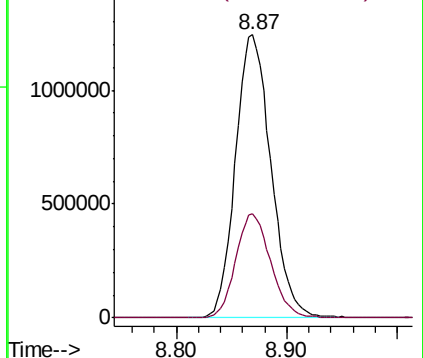
43 100

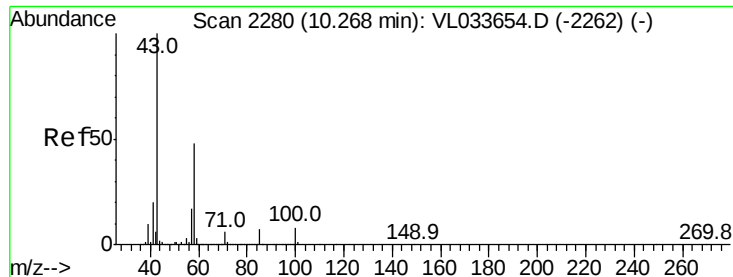
58 36.3 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

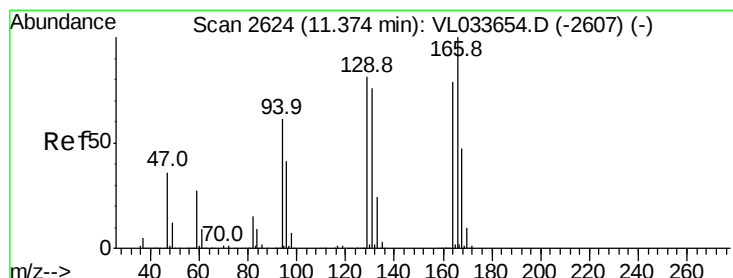
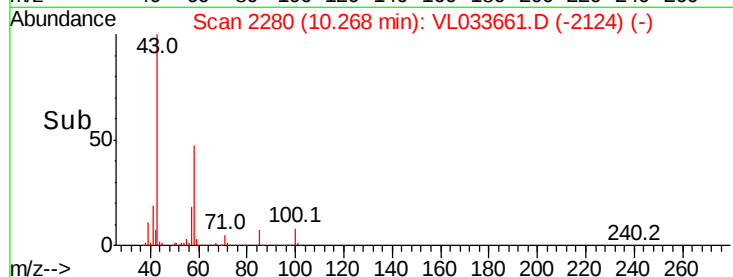
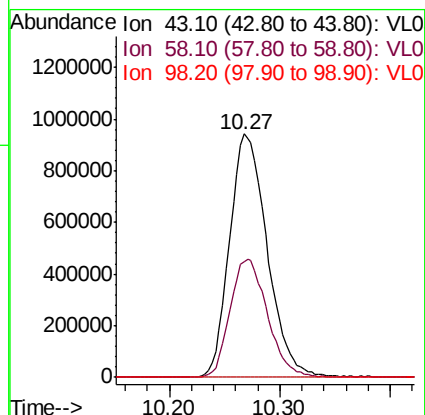
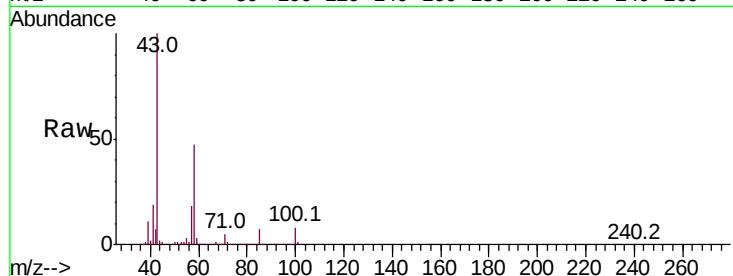




#51
2-Hexanone
Concen: 11.053 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL033661.D
Acq: 6 May 2019 15:40

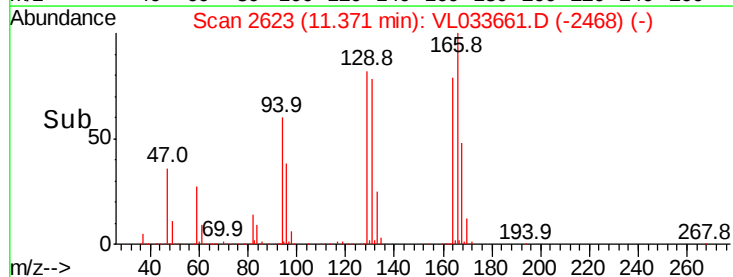
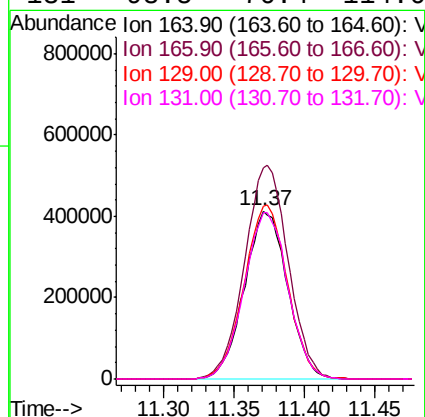
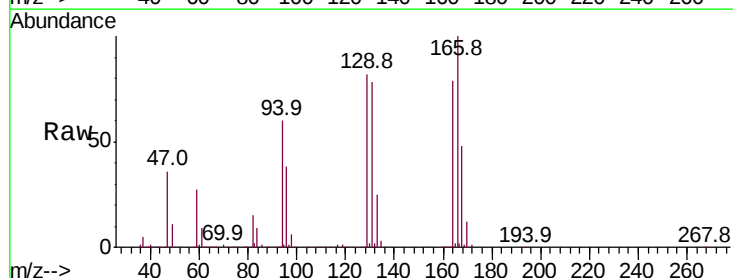
Instrument :
MSVOA_L
ClientSampleId :

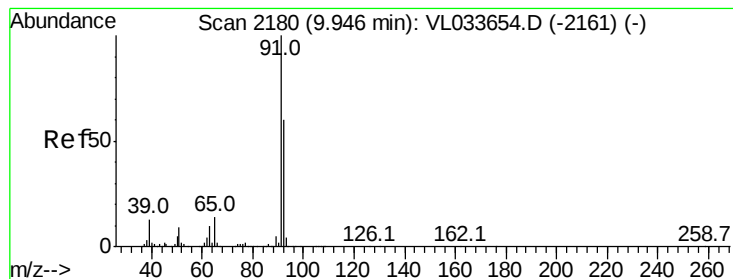
Tot Ion: 43 Resp: 2225963
Ion Ratio Lower Upper
43 100
58 48.6 38.2 57.4
98 0.3 0.2 0.4



#52
Tetrachloroethene
Concen: 10.372 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033661.D
Acq: 6 May 2019 15:40

Tgt Ion: 164 Resp: 883399
Ion Ratio Lower Upper
164 100
166 125.8 100.6 151.0
129 102.9 81.0 121.6
131 98.5 76.4 114.6





#53

Toluene

Concen: 11.182 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

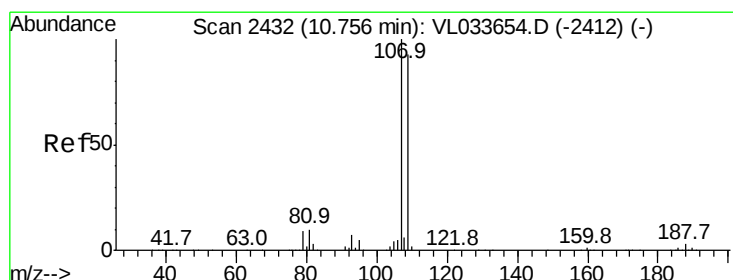
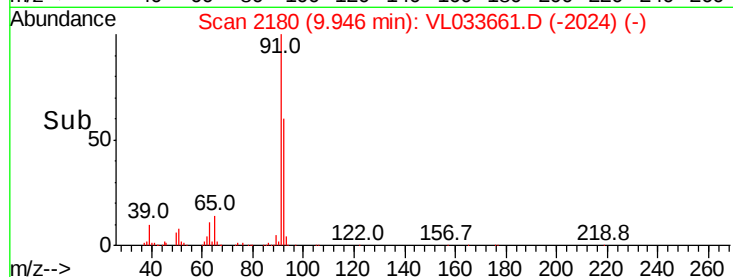
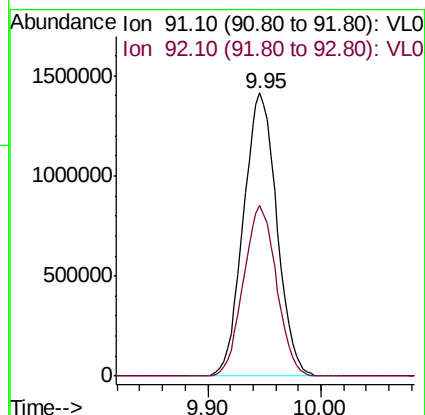
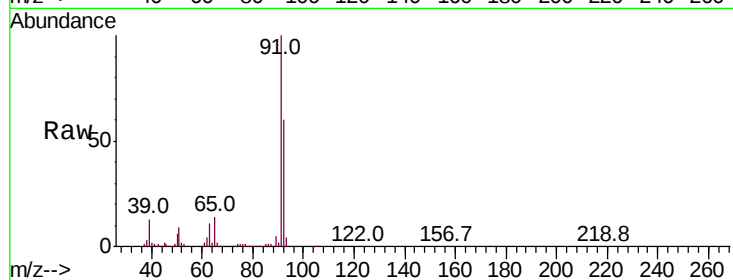
ClientSampleId :

Tot Ion: 91 Resp: 2904326

Ion Ratio Lower Upper

91 100

92 59.8 47.7 71.5



#54

1,2-Dibromoethane

Concen: 10.056 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. 0.00 min

Lab File: VL033661.D

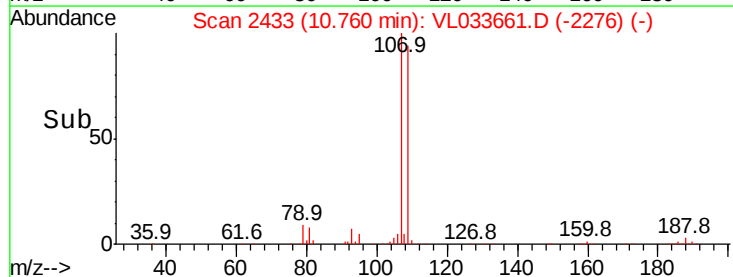
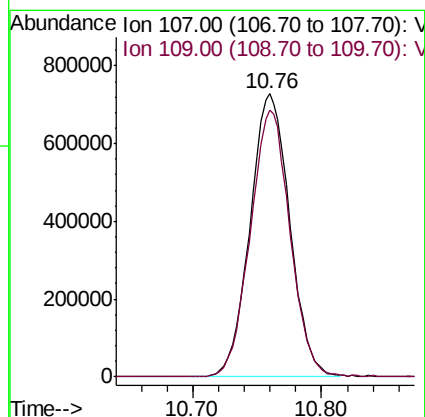
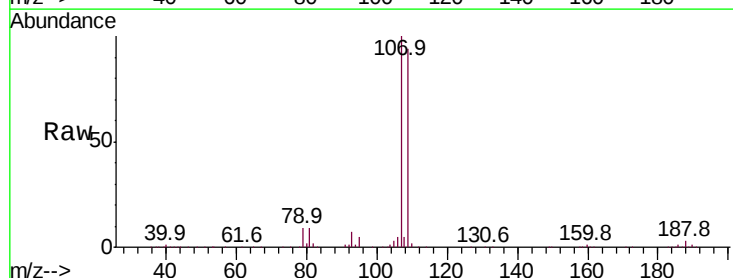
Acq: 6 May 2019 15:40

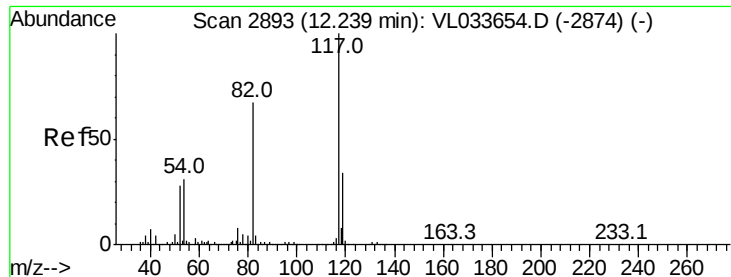
Tgt Ion:107 Resp: 1558586

Ion Ratio Lower Upper

107 100

109 94.4 74.6 111.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

ClientSampleId :

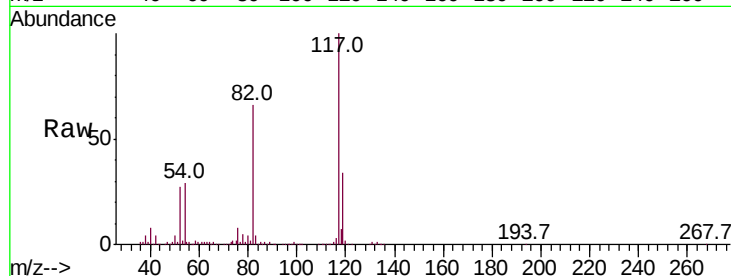
Tot Ion:117 Resp: 3356105

Ion Ratio Lower Upper

117 100

82 53.1 49.7 74.5

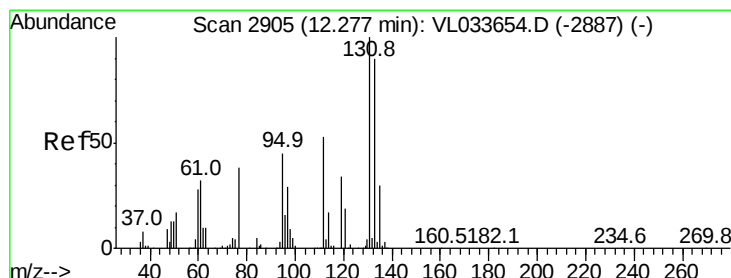
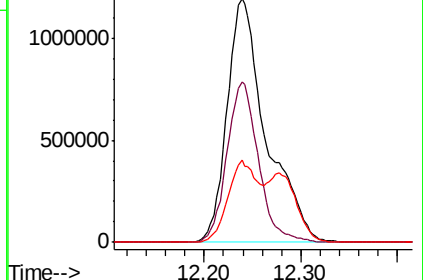
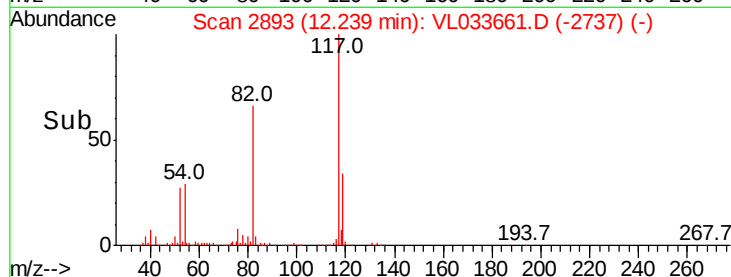
119 27.6 24.8 37.2



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.674 ppbv

RT: 12.28 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

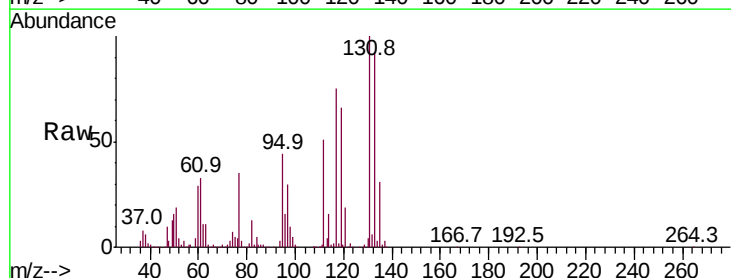
Tgt Ion:131 Resp: 1188075

Ion Ratio Lower Upper

131 100

133 94.5 76.0 114.0

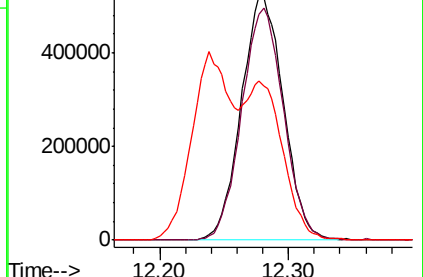
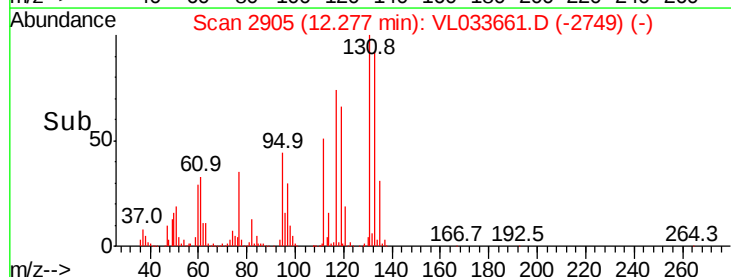
119 63.9 45.4 68.2

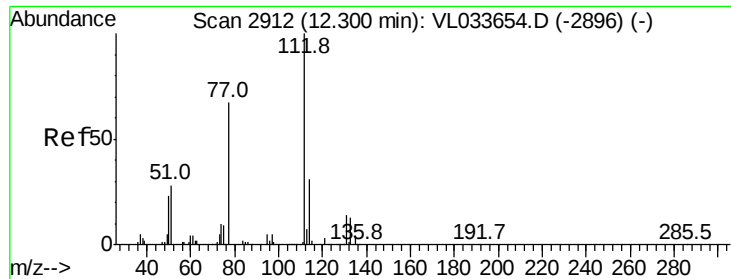


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

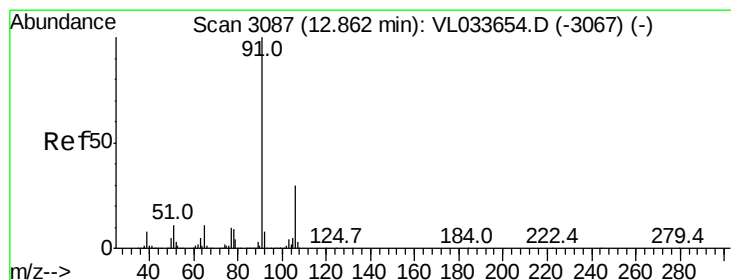
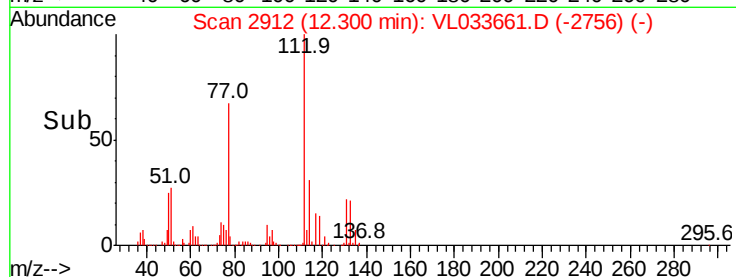
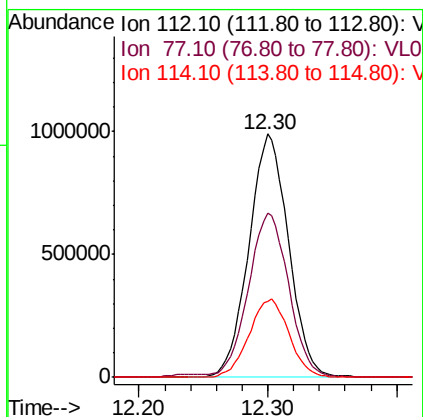
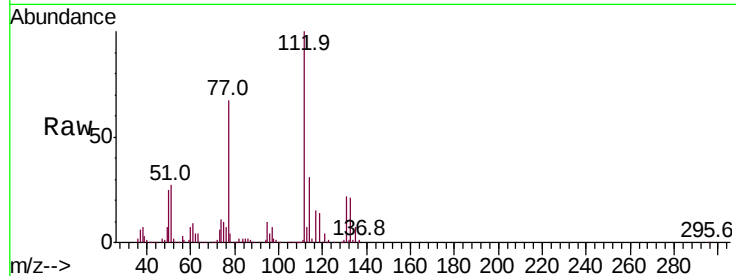




#57
Chlorobenzene
Concen: 7.692 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL033661.D
Acq: 6 May 2019 15:40

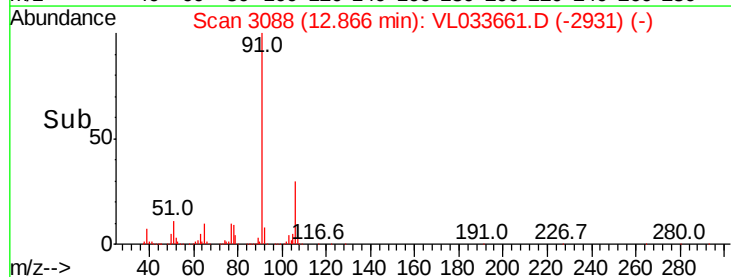
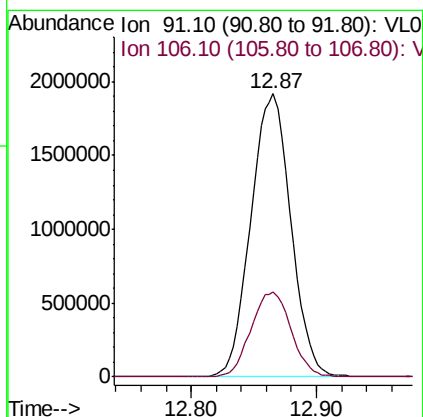
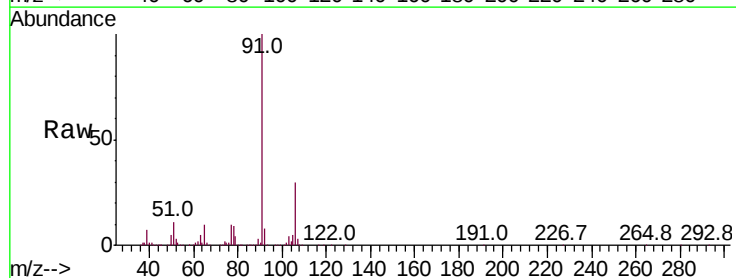
Instrument :
MSVOA_L
ClientSampleId :

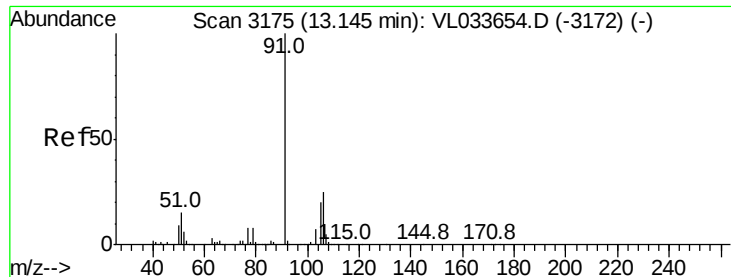
Tot Ion:112 Resp: 2119680
Ion Ratio Lower Upper
112 100
77 67.0 54.4 81.6
114 31.0 28.2 34.4



#58
Ethyl Benzene
Concen: 9.716 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VL033661.D
Acq: 6 May 2019 15:40

Tgt Ion: 91 Resp: 4252499
Ion Ratio Lower Upper
91 100
106 30.0 23.7 35.5

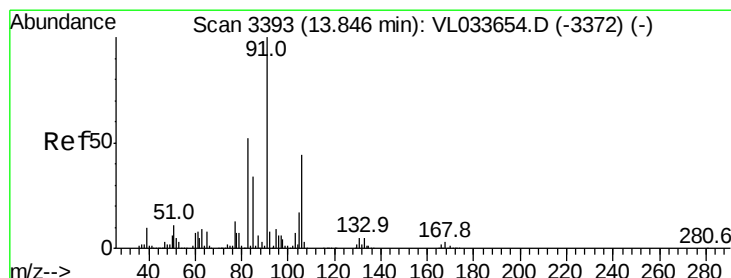
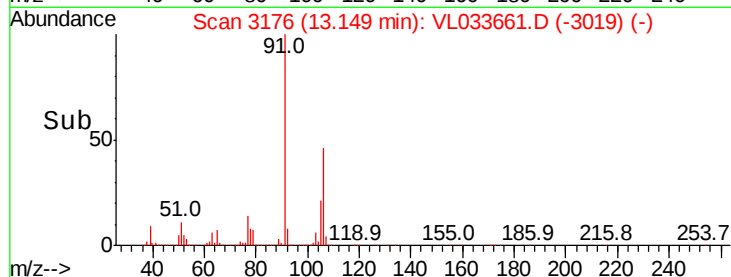
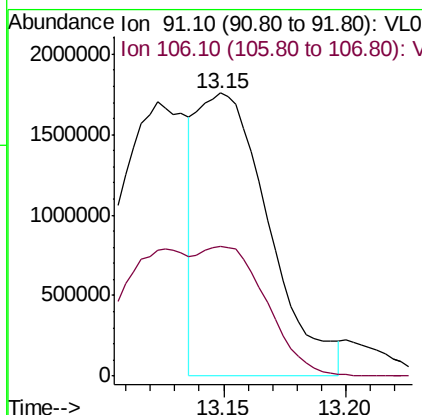
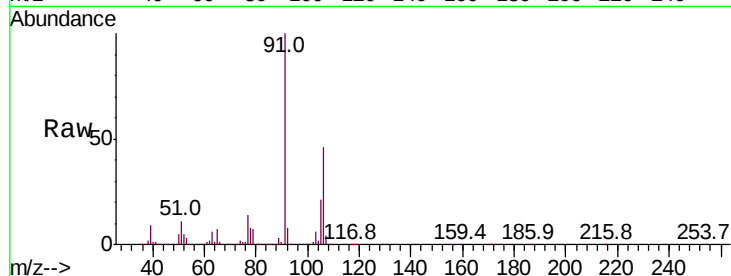




#59
m/p-Xylene
Concen: 9.304 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. 0.00 min
Lab File: VL033661.D
Acq: 6 May 2019 15:40

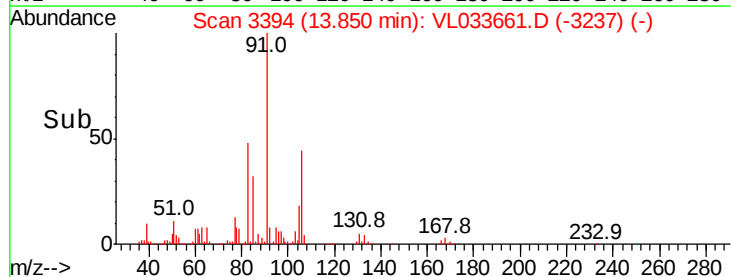
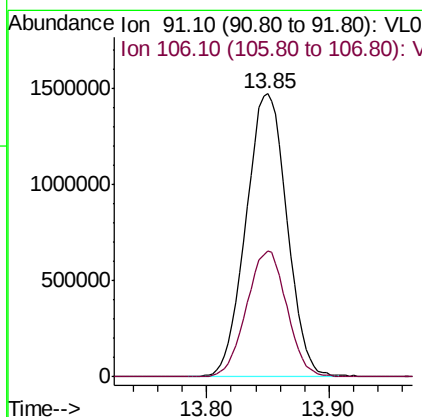
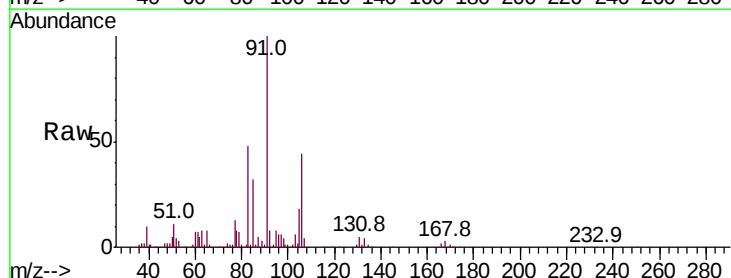
Instrument :
MSVOA_L
ClientSampled :

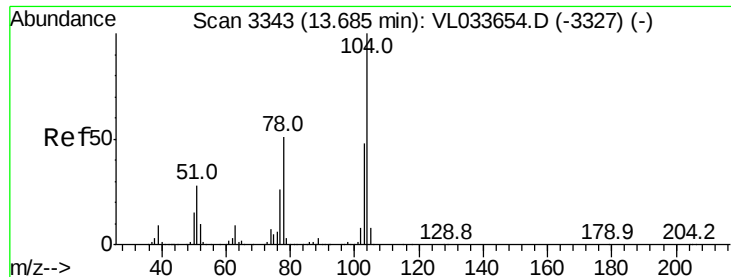
Tot Ion: 91 Resp: 3586529
Ion Ratio Lower Upper
91 100
106 88.7 36.2 54.2#



#60
o-Xylene
Concen: 8.763 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL033661.D
Acq: 6 May 2019 15:40

Tgt Ion: 91 Resp: 3418536
Ion Ratio Lower Upper
91 100
106 43.9 21.7 65.1





#61

Stvrene

Concen: 10.212 ppbv

RT: 13.68 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

ClientSampleId :

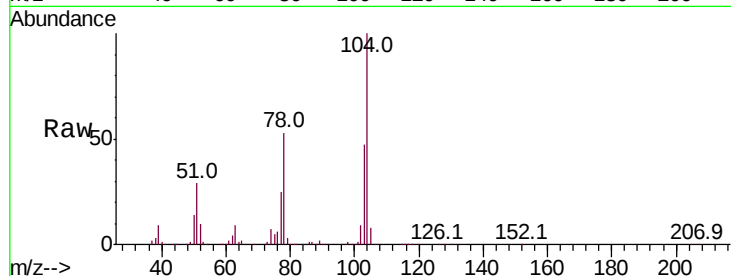
Tot Ion:104 Resp: 2652926

Ion Ratio Lower Upper

104 100

78 53.3 43.0 64.6

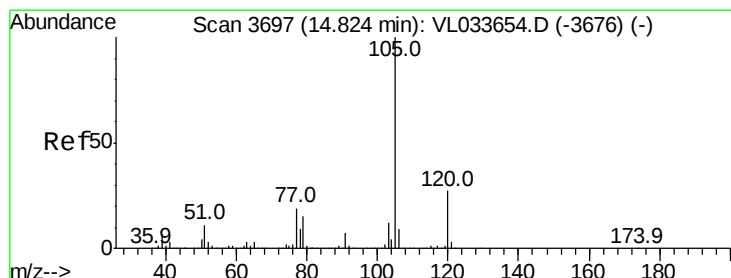
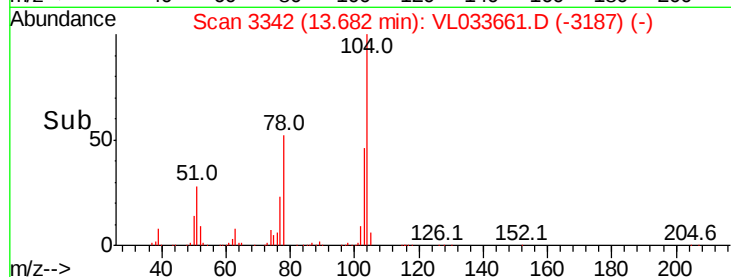
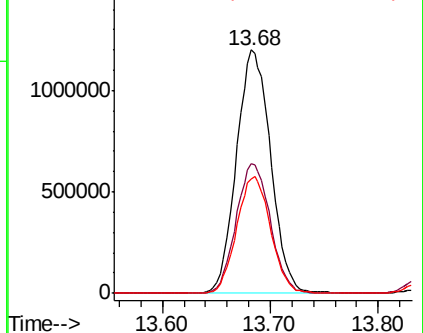
103 47.5 38.1 57.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.607 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VL033661.D

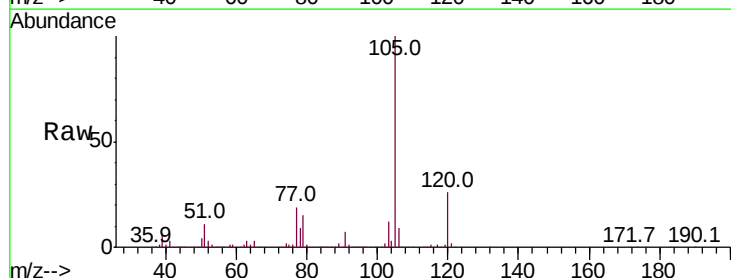
Acq: 6 May 2019 15:40

Tgt Ion:105 Resp: 4585022

Ion Ratio Lower Upper

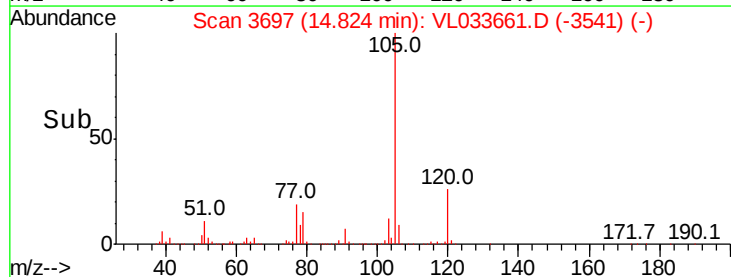
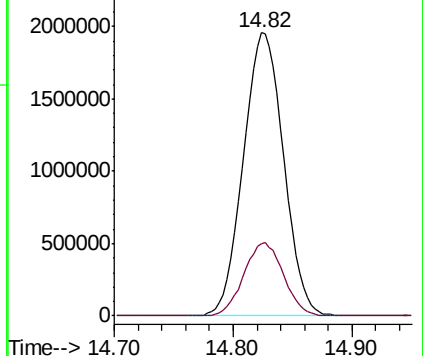
105 100

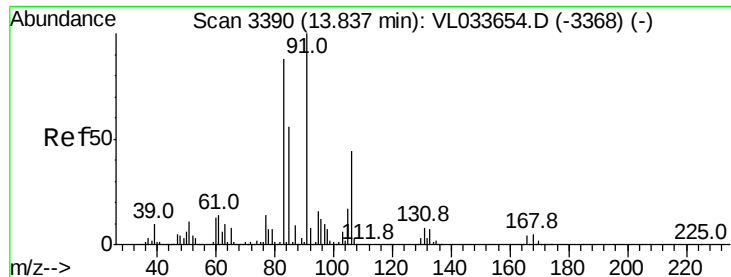
120 25.6 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

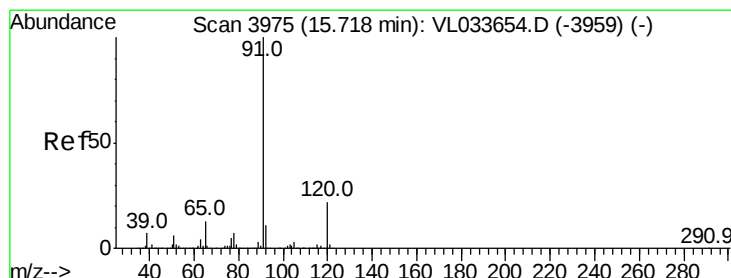
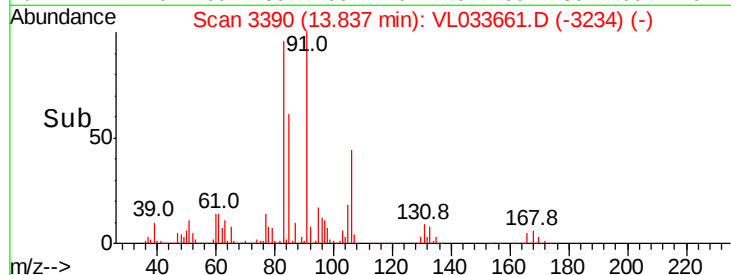
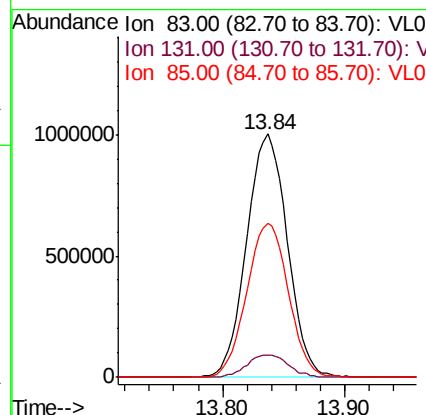
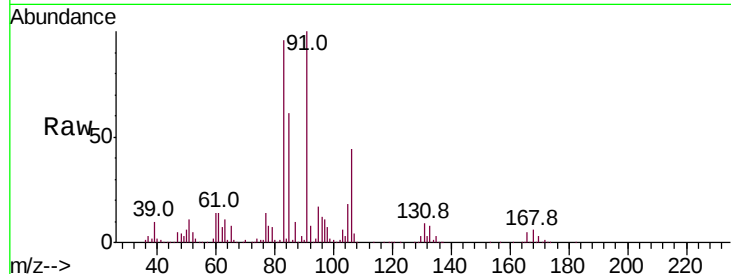




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.144 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VL033661.D
 Acq: 6 May 2019 15:40

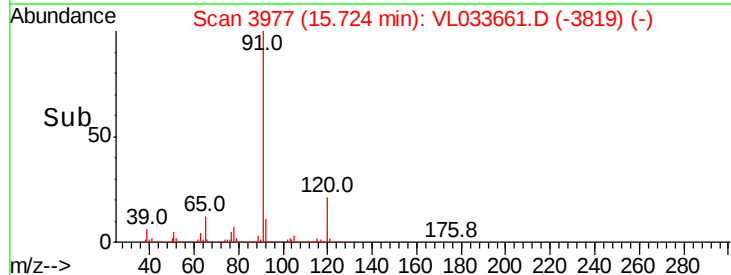
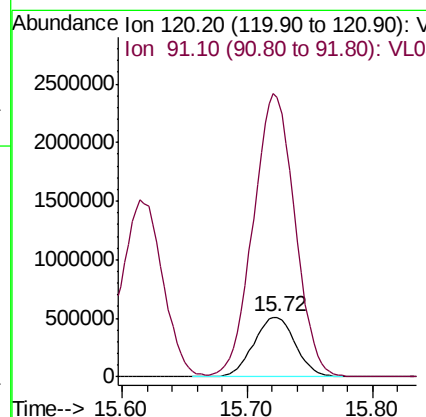
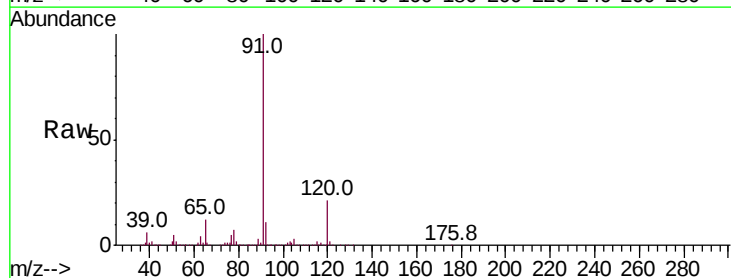
Instrument :
 MSVOA_L
 ClientSampleId :

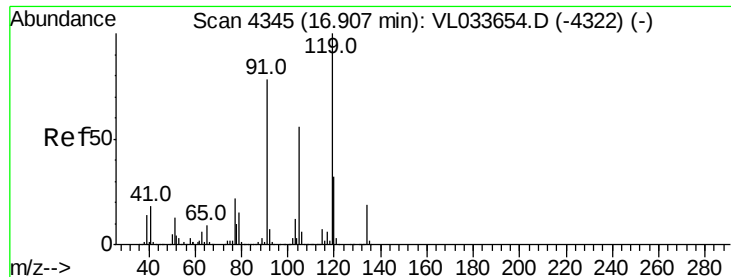
Tot Ion: 83 Resp: 2312381
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.3
 85 64.9 32.5 97.4



#64
 n-propylbenzene
 Concen: 8.593 ppbv
 RT: 15.72 min Scan# 3977
 Delta R.T. 0.01 min
 Lab File: VL033661.D
 Acq: 6 May 2019 15:40

Tgt Ion:120 Resp: 1182830
 Ion Ratio Lower Upper
 120 100
 91 472.8 379.0 568.6





#65

tert-Butylbenzene

Concen: 8.269 ppbv

RT: 16.91 min Scan# 4345

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

ClientSampleId :

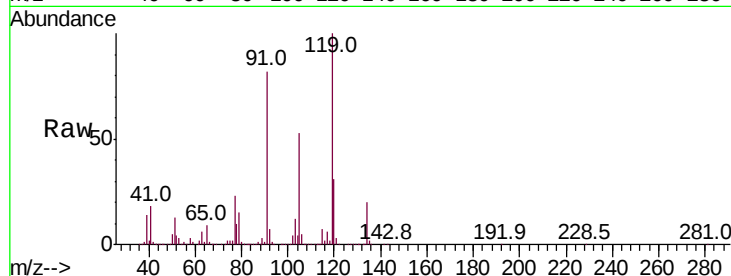
Tot Ion:119 Resp: 4040752

Ion Ratio Lower Upper

119 100

91 82.4 65.9 98.9

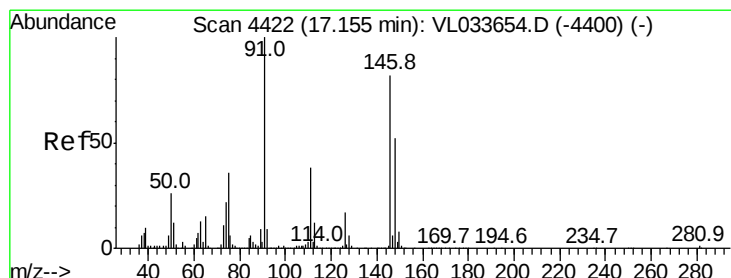
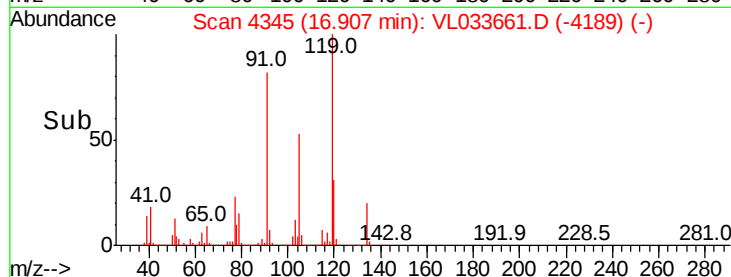
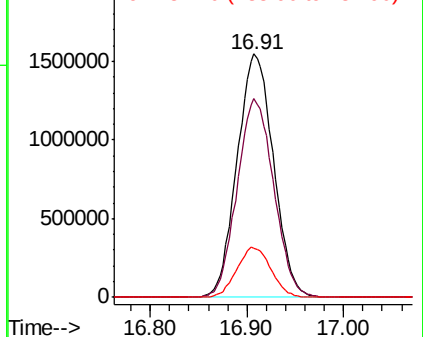
134 19.5 15.5 23.3



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.037 ppbv

RT: 17.15 min Scan# 4422

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

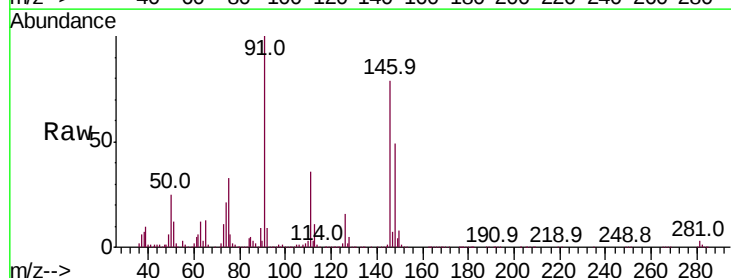
Tgt Ion: 91 Resp: 2231151

Ion Ratio Lower Upper

91 100

126 17.0 13.4 20.2

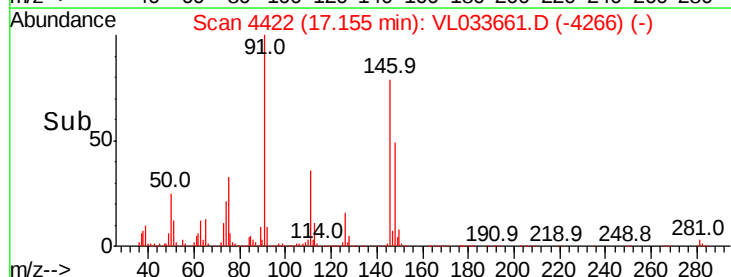
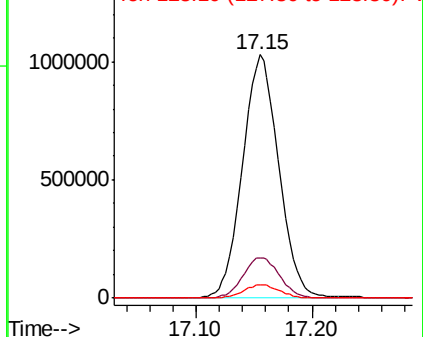
128 5.5 4.4 6.6

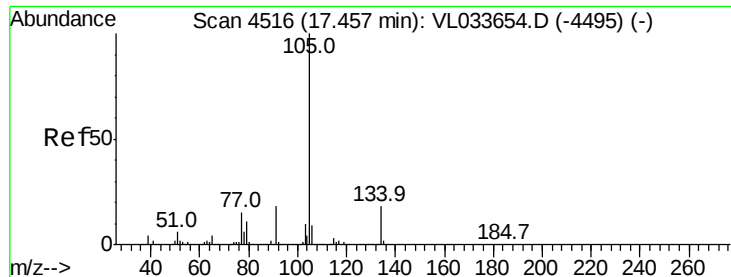


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.240 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

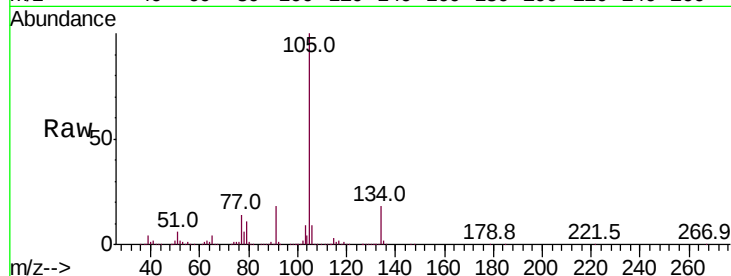
ClientSampleId :

Tot Ion:105 Resp: 5617389

Ion Ratio Lower Upper

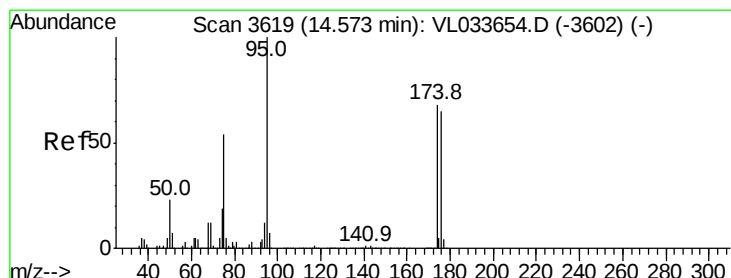
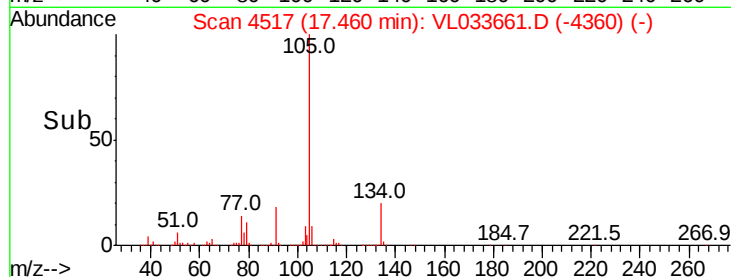
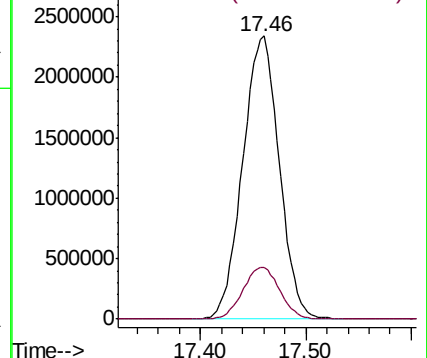
105 100

134 18.5 14.6 22.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.639 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

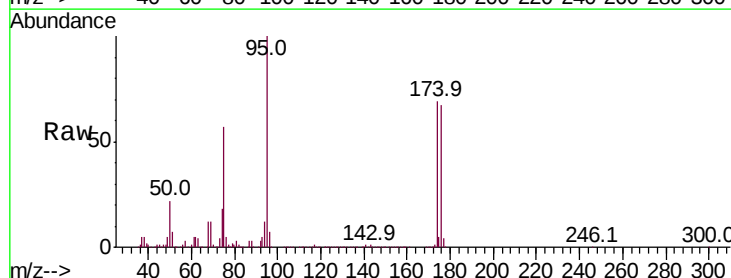
Tgt Ion: 95 Resp: 2376554

Ion Ratio Lower Upper

95 100

174 68.0 54.0 81.0

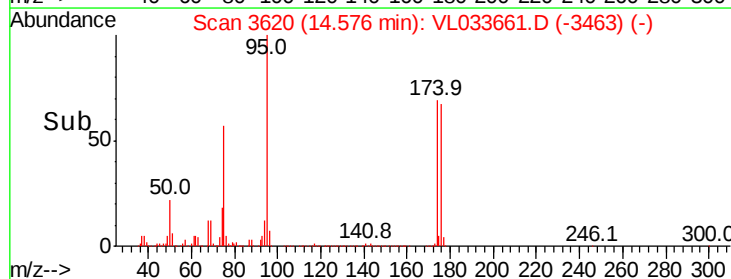
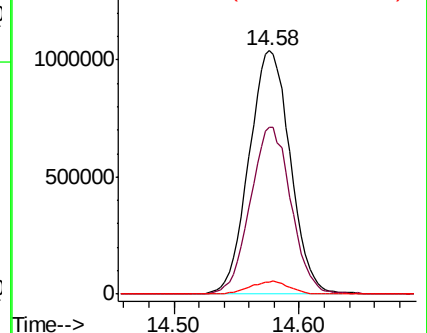
175 4.9 3.8 5.8

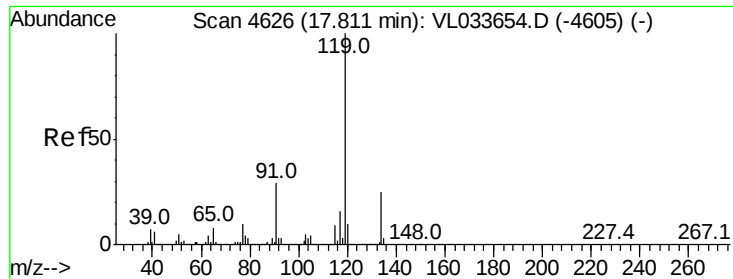


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

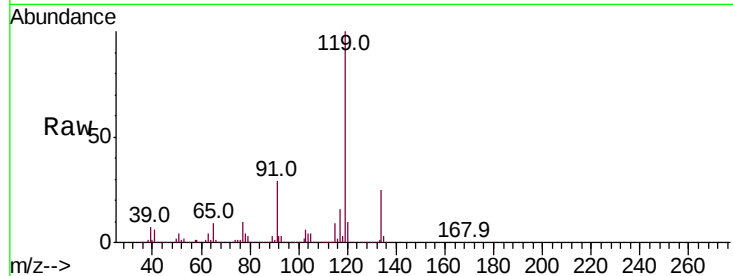




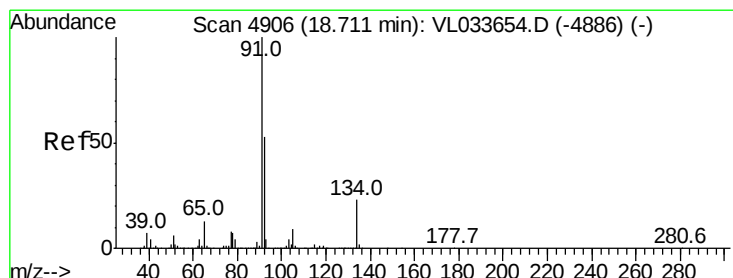
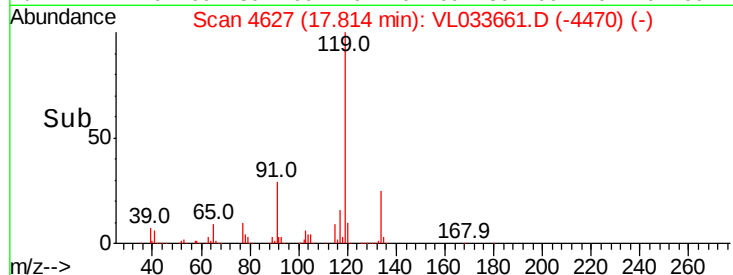
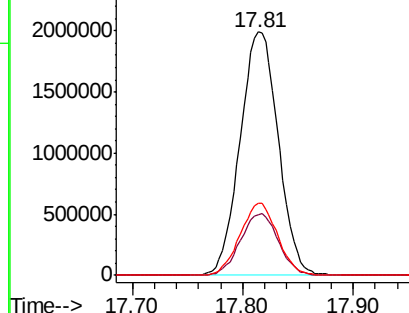
#69
 p-Isopropyltoluene
 Concen: 8.506 ppbv
 RT: 17.81 min Scan# 4627
 Delta R.T. 0.00 min
 Lab File: VL033661.D
 Acq: 6 May 2019 15:40

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 4778247
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.2 30.2
 91 28.9 23.4 35.2

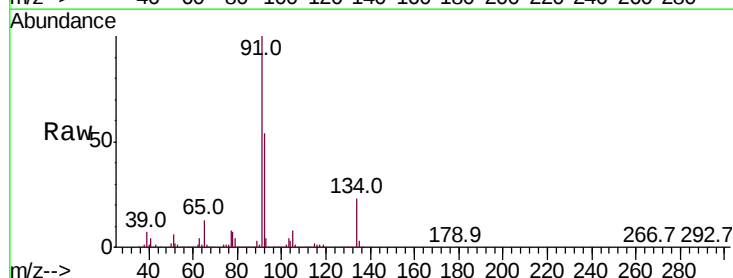


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

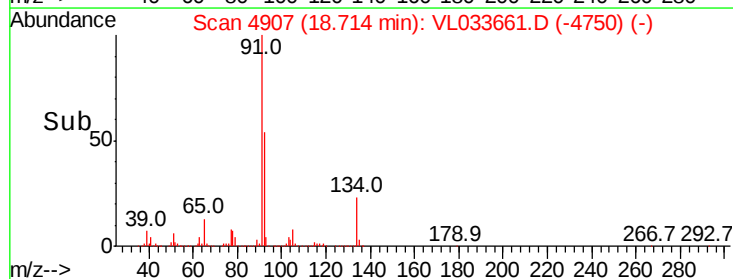
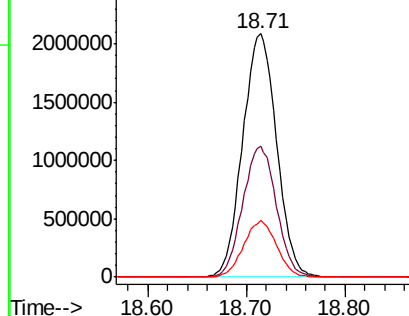


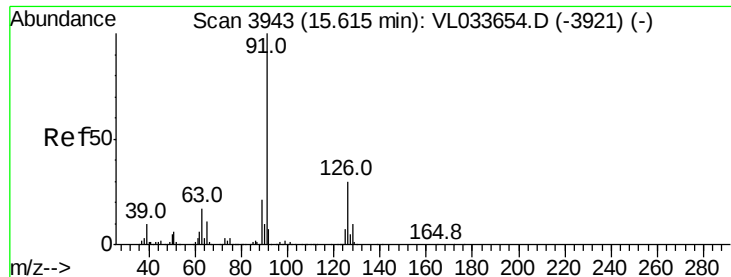
#70
 n-Butylbenzene
 Concen: 8.326 ppbv
 RT: 18.71 min Scan# 4907
 Delta R.T. 0.00 min
 Lab File: VL033661.D
 Acq: 6 May 2019 15:40

Tgt Ion: 91 Resp: 4959701
 Ion Ratio Lower Upper
 91 100
 92 53.3 42.5 63.7
 134 22.5 18.0 27.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.753 ppbv

RT: 15.61 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

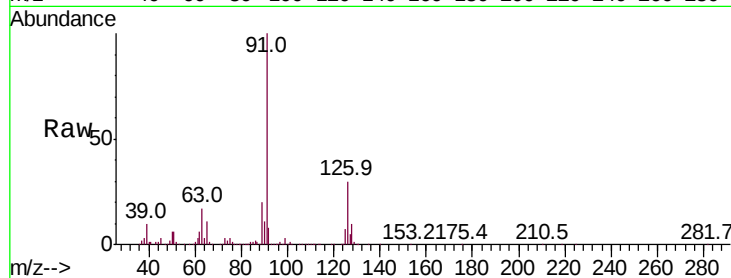
ClientSampleId :

Tot Ion: 91 Resp: 3444892

Ion Ratio Lower Upper

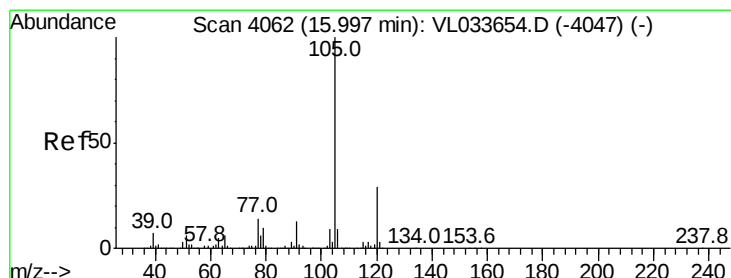
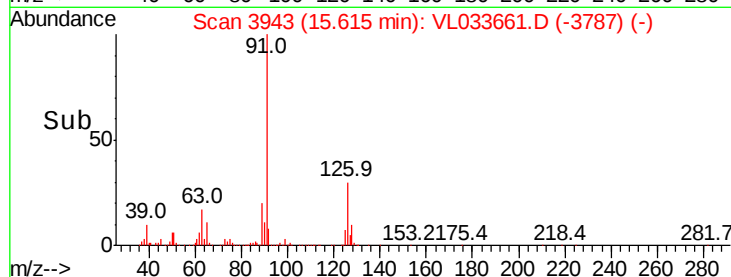
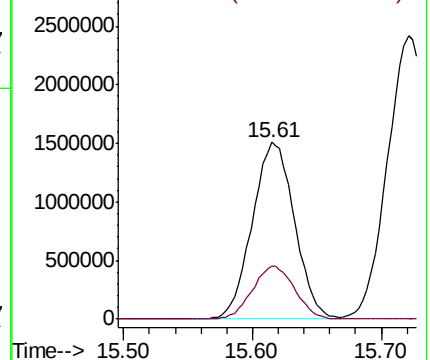
91 100

126 30.1 12.0 47.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.754 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Tgt Ion:105 Resp: 4014290

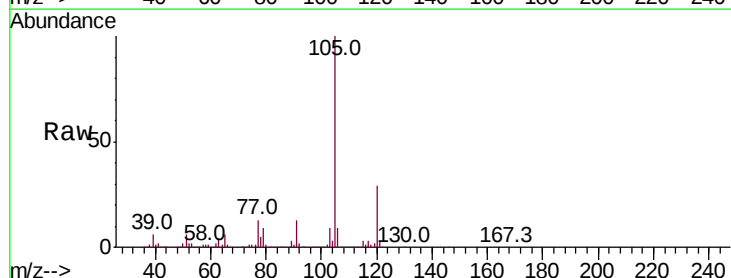
Ion Ratio Lower Upper

105 100

120 29.0 23.0 34.6

91 12.7 10.5 15.7

77 13.8 11.4 17.2

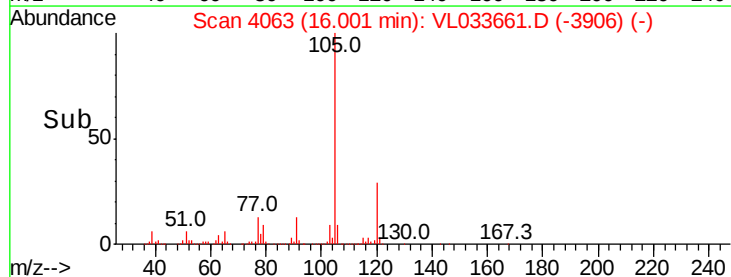
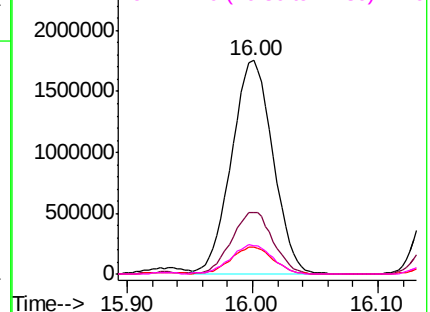


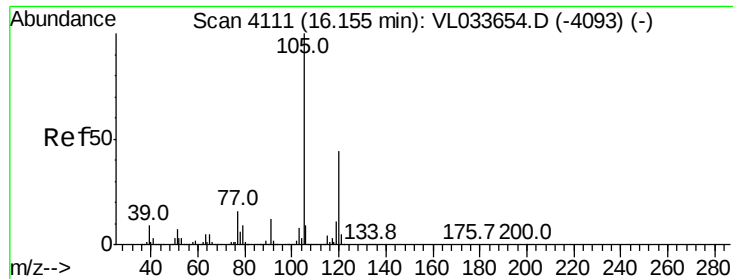
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.422 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

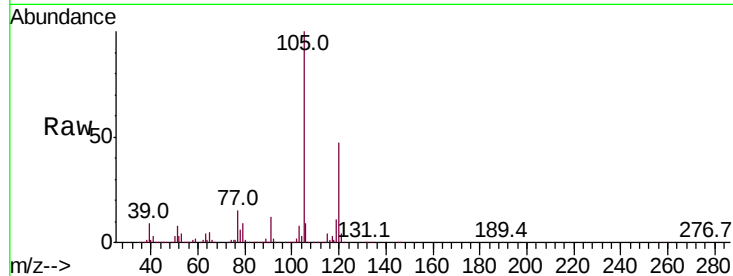
ClientSampleId :

Tot Ion:105 Resp: 3734118

Ion Ratio Lower Upper

105 100

120 47.3 35.5 53.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.16

1500000

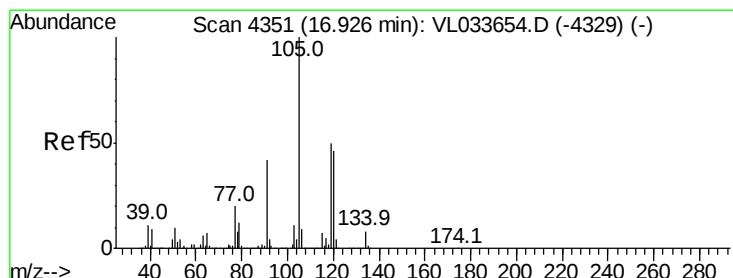
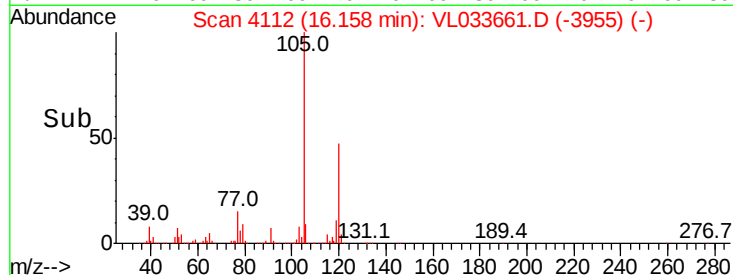
1000000

500000

0

Time-->

16.10 16.20



#74

1,2,4-Trimethylbenzene

Concen: 7.906 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Tgt Ion:105 Resp: 3896411

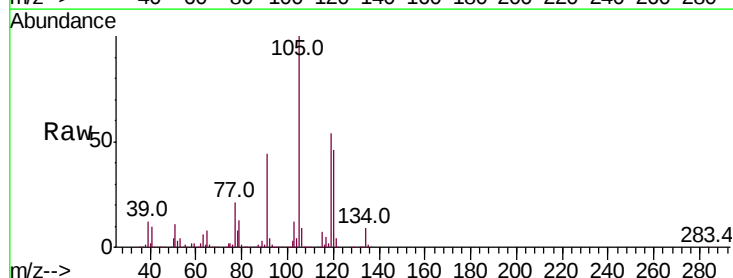
Ion Ratio Lower Upper

105 100

120 46.0 36.5 54.7

91 44.1 33.7 50.5

77 21.3 16.3 24.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

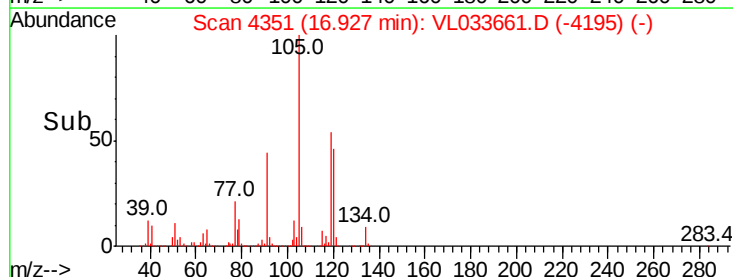
1000000

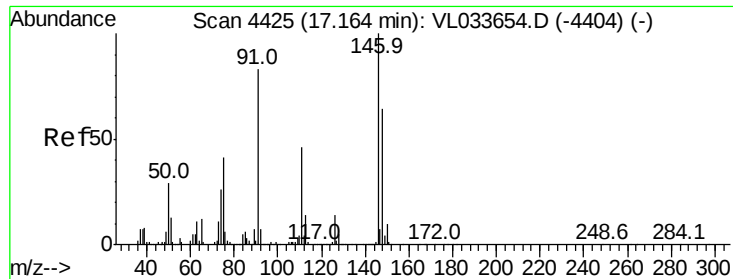
500000

0

Time-->

16.80 16.90 17.00





#75

1,3-Dichlorobenzene

Concen: 7.749 ppbv

RT: 17.16 min Scan# 4425

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

ClientSampleId :

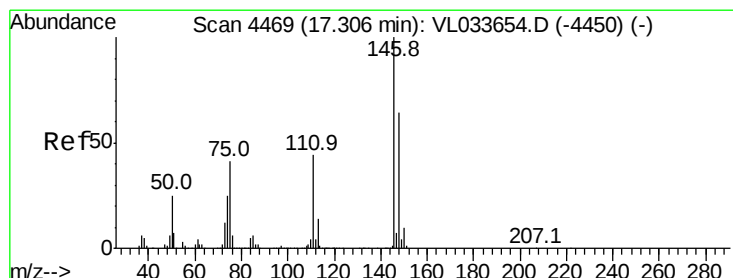
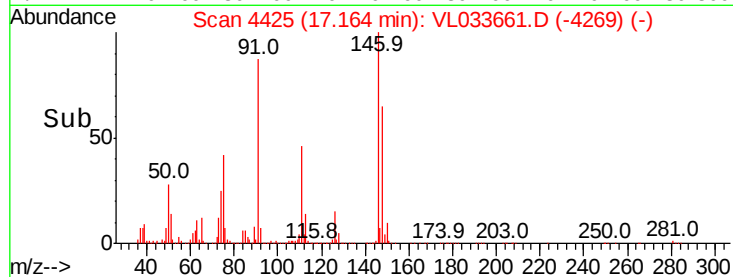
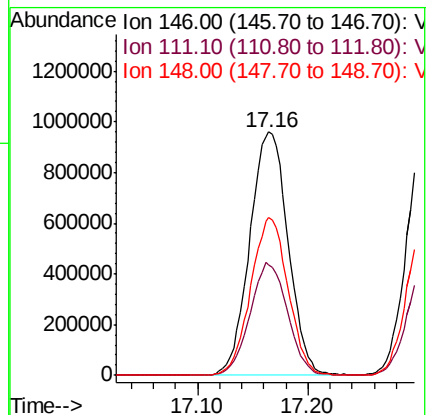
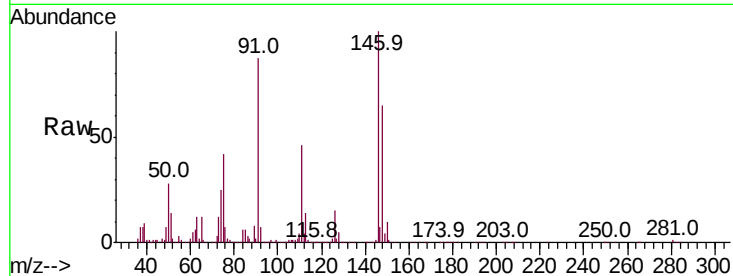
Tot Ion:146 Resp: 2306812

Ion Ratio Lower Upper

146 100

111 45.5 22.6 67.7

148 63.4 31.8 95.4



#76

1,4-Dichlorobenzene

Concen: 8.161 ppbv

RT: 17.31 min Scan# 4469

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

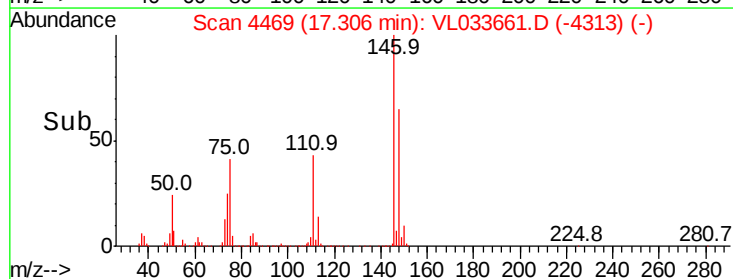
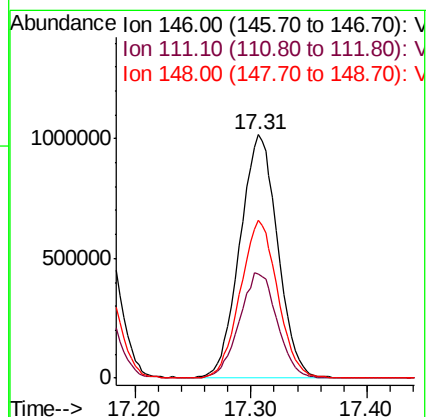
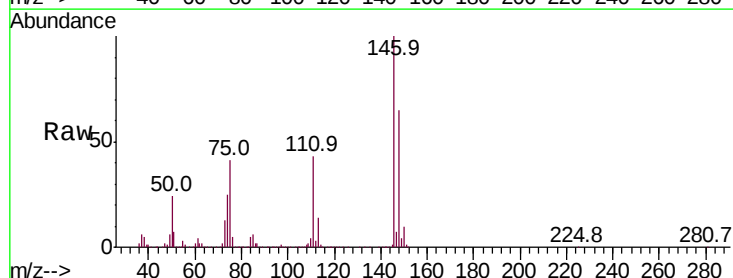
Tgt Ion:146 Resp: 2305282

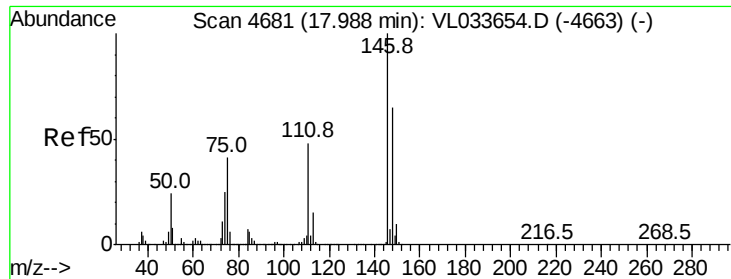
Ion Ratio Lower Upper

146 100

111 43.3 22.0 66.0

148 63.7 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 7.972 ppbv

RT: 17.99 min Scan# 4681

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Instrument :

MSVOA_L

ClientSampleId :

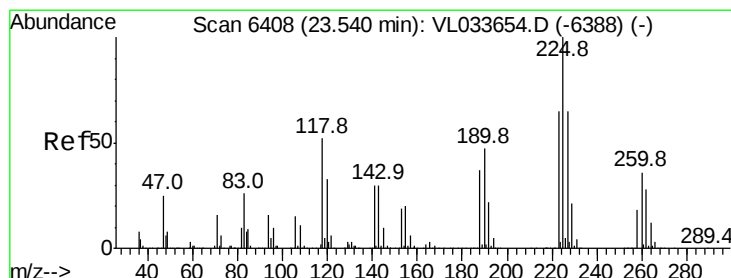
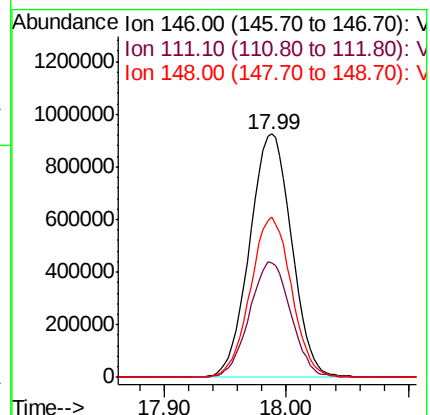
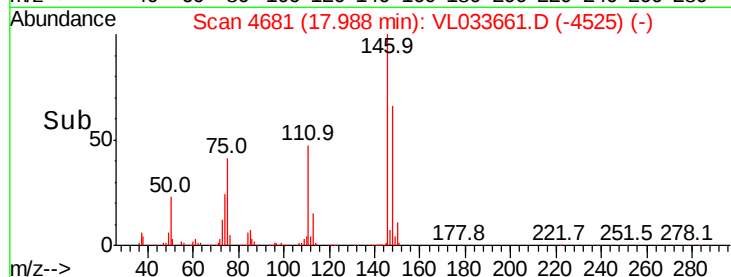
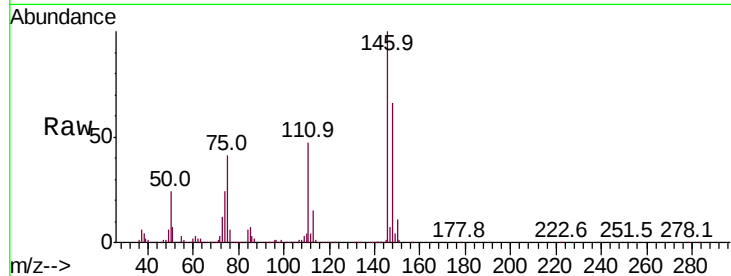
Tot Ion:146 Resp: 2198570

Ion Ratio Lower Upper

146 100

111 46.9 23.4 70.0

148 64.6 31.9 95.9



#78

Hexachloro-1,3-Butadiene

Concen: 9.118 ppbv

RT: 23.54 min Scan# 6409

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

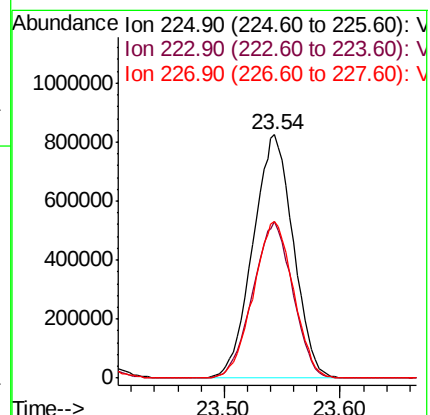
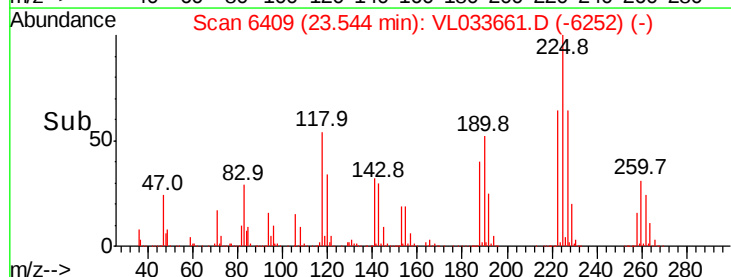
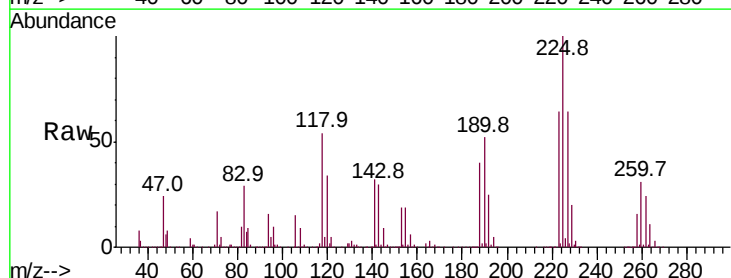
Tgt Ion:225 Resp: 1992771

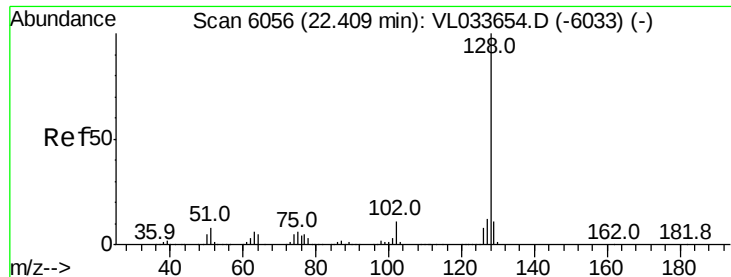
Ion Ratio Lower Upper

225 100

223 63.5 50.7 76.1

227 64.0 51.4 77.2





#79

Naphthalene

Concen: 10.220 ppbv

RT: 22.41 min Scan# 6056

Delta R.T. 0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

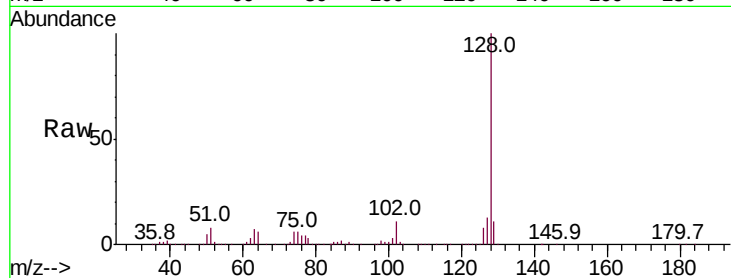
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 4598556

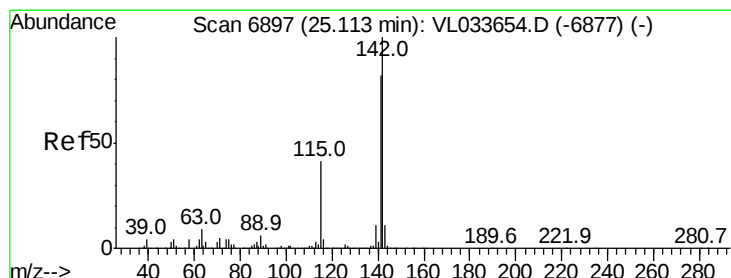
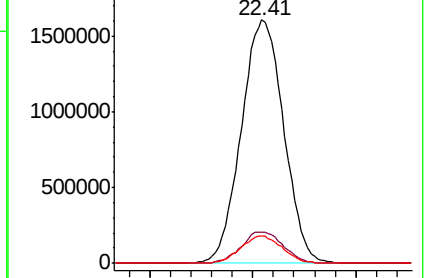
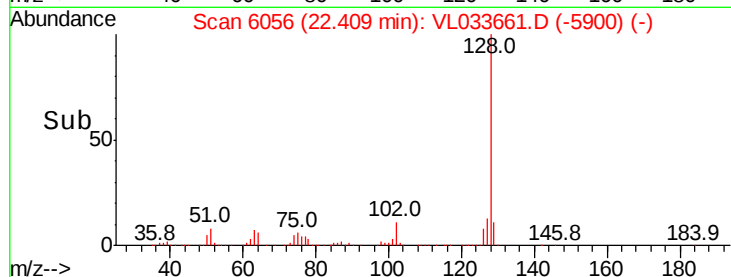
Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.8	14.8
129	11.0	8.8	13.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 13.719 ppbv

RT: 25.11 min Scan# 6896

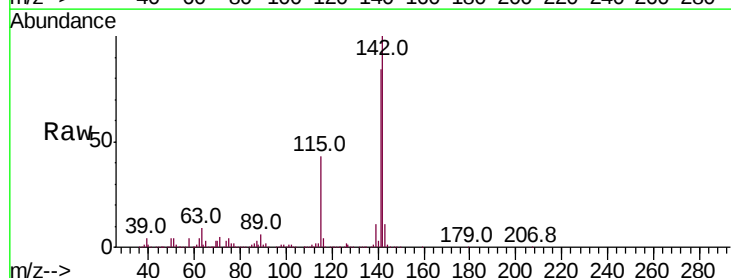
Delta R.T. -0.00 min

Lab File: VL033661.D

Acq: 6 May 2019 15:40

Tgt Ion:142 Resp: 2333662

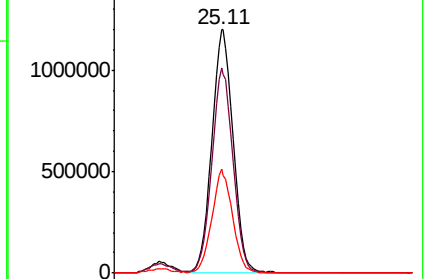
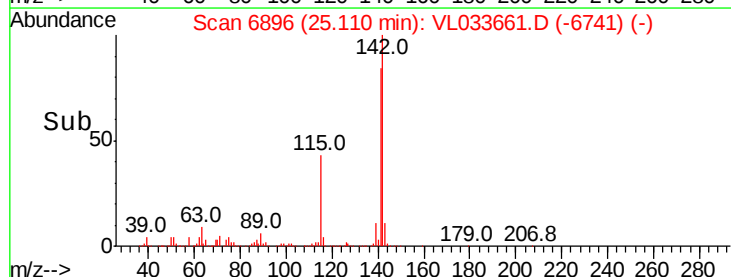
Ion	Ratio	Lower	Upper
142	100		
141	84.1	67.9	101.9
115	41.3	34.2	51.4

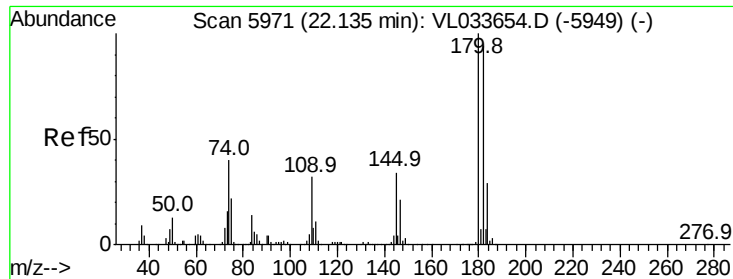


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

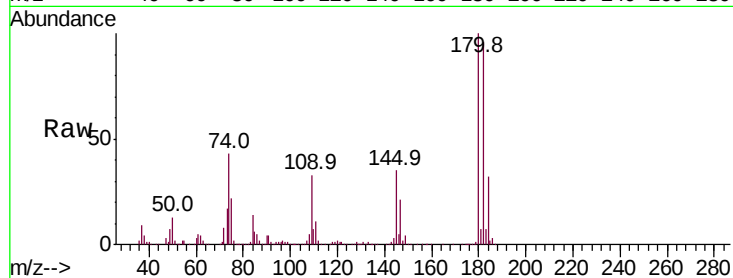




#81
 1,2,4-Trichlorobenzene
 Concen: 8.964 ppbv
 RT: 22.14 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL033661.D
 Acq: 6 May 2019 15:40

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2343478
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.4 116.0
 184 30.9 24.6 36.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

