

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032778.D
 Acq On : 20 Nov 2018 14:13
 Operator : SY/AP
 Sample : VL1120ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 21 04:05:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1499072	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3883577	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3794393	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2674487	9.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1618801	7.512	ppbv	98
3) Chlorodifluoromethane	3.02	51	1041851	8.766	ppbv	100
4) Chloromethane	3.18	50	565417	8.580	ppbv	99
5) Vinyl Chloride	3.30	62	594786	8.518	ppbv	100
6) Bromomethane	3.52	94	393159	9.204	ppbv	96
7) Chloroethane	3.61	64	229534	9.120	ppbv #	88
8) Dichlorotetrafluoroethane	3.23	85	1479473	8.713	ppbv	98
9) Propene	3.04	41	432017	9.083	ppbv	100
10) Heptane	8.26	43	1833549	10.098	ppbv	99
11) Trichlorofluoromethane	4.01	101	2547901	12.547	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1740662	10.494	ppbv	96
13) Ethanol	3.66	45	113163	7.264	ppbv	98
14) Bromoethene	3.80	108	507184	9.216	ppbv	99
15) Acetone	3.91	43	1088140	7.948	ppbv	98
16) 1,3-Butadiene	3.37	39	493787	9.314	ppbv	90
17) tert-Butyl alcohol	4.37	59	439861	10.244	ppbv	98
18) 1,1-Dichloroethene	4.36	96	794302	9.738	ppbv	96
19) Isopropyl Alcohol	4.03	45	1125503	12.341	ppbv	100
20) Methylene Chloride	4.42	84	701077	9.892	ppbv	94
21) Allyl Chloride	4.49	41	1245945	10.830	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	763790	9.590	ppbv	94
23) Vinyl Acetate	5.17	43	2392378	9.587	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1819094	9.169	ppbv	99
25) Ethyl Acetate	5.78	43	3058656	9.586	ppbv	99
26) Hexane	5.79	57	1448356	10.197	ppbv	98
27) Carbon Disulfide	4.63	76	1897953	10.538	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2262470	9.989	ppbv	99
29) Chloroform	5.86	83	2466103	9.742	ppbv	96
30) Cyclohexane	7.26	84	1274721	10.261	ppbv	97
31) cis-1,2-Dichloroethene	5.65	61	1415303	9.911	ppbv	100
32) 1,1,1-Trichloroethane	6.63	97	2483373	8.950	ppbv	99
34) 2-Butanone	5.34	43	1881646	9.342	ppbv	98
35) Carbon Tetrachloride	7.15	117	2736123	8.764	ppbv	98
36) Benzene	7.02	78	2982084	9.643	ppbv	100
37) 1,2-Dichloroethane	6.43	62	1845985	8.867	ppbv	99
38) Trichloroethene	7.98	130	1249068	9.980	ppbv	99
39) 1,2-Dichloropropane	7.75	63	1107506	9.399	ppbv	98
40) 1,4-Dioxane	7.97	88	417373	9.917	ppbv #	1
41) Tetrahydrofuran	6.16	42	1152630	9.976	ppbv	100
42) Bromodichloromethane	7.93	83	2624236	9.299	ppbv	98
43) Methyl Methacrylate	8.15	69	1165050	10.091	ppbv	97

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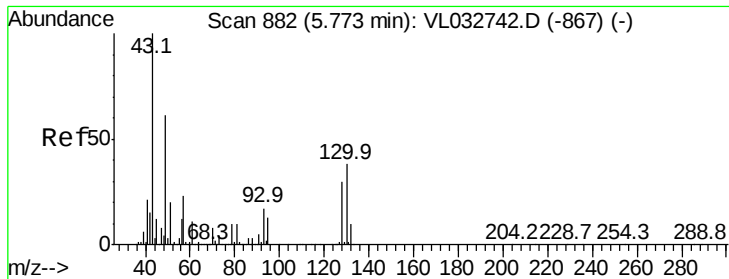
Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 21 04:05:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	8.01	57	4995869	9.667	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1712120	11.052	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	1987035	10.616	ppbv	98
47) 1,1,2-Trichloroethane	9.63	97	1328987	9.539	ppbv	97
48) Dibromochloromethane	10.47	129	2366841	9.995	ppbv	99
49) Bromoform	13.22	173	2067287	10.571	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	3017738	9.592	ppbv	98
51) 2-Hexanone	10.29	43	2118528	10.452	ppbv #	99
52) Tetrachloroethene	11.39	164	1108823	10.307	ppbv	99
53) Toluene	9.96	91	3548252	10.998	ppbv	100
54) 1,2-Dibromoethane	10.78	107	1975223	10.029	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.30	131	1653052	9.340	ppbv	99
57) Chlorobenzene	12.32	112	2702844	9.305	ppbv	99
58) Ethyl Benzene	12.88	91	4770663	10.447	ppbv	98
59) m/p-Xylene	13.14	91	4423232	10.881	ppbv #	31
60) o-Xylene	13.87	91	3875983	9.483	ppbv	99
61) Styrene	13.70	104	2913819	10.951	ppbv	99
62) Isopropylbenzene	14.84	105	5625658	10.182	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2646575	8.306	ppbv	99
64) n-propylbenzene	15.74	120	1427820	9.825	ppbv	95
65) tert-Butylbenzene	16.92	119	4985403	10.066	ppbv	97
66) Benzyl Chloride	17.17	91	2704597	9.878	ppbv	99
67) sec-Butylbenzene	17.48	105	6892674	9.657	ppbv	99
69) p-Isopropyltoluene	17.83	119	5902937	10.401	ppbv	98
70) n-Butylbenzene	18.73	91	5545405	9.623	ppbv	99
71) 2-Chlorotoluene	15.63	91	4066220	9.869	ppbv	98
72) 4-Ethyltoluene	16.02	105	4508619	10.063	ppbv	98
73) 1,3,5-Trimethylbenzene	16.17	105	4283871	9.780	ppbv	97
74) 1,2,4-Trimethylbenzene	16.94	105	4399175	9.385	ppbv	98
75) 1,3-Dichlorobenzene	17.18	146	2460159	9.150	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2401244	9.561	ppbv	99
77) 1,2-Dichlorobenzene	18.01	146	2370974	9.532	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1048189	7.808	ppbv	100
79) Naphthalene	22.43	128	3184348	10.341	ppbv	99
80) Naphthalene, 2-methyl-	25.13	142	854806	11.084	ppbv	98
81) 1,2,4-Trichlorobenzene	22.15	180	1656328	10.711	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

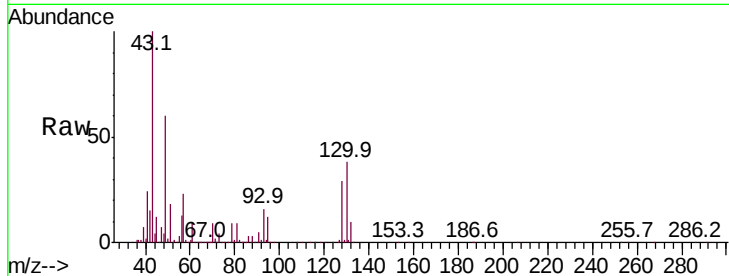
Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1499072

Ion	Ratio	Lower	Upper
49	100		
128	52.2	24.9	74.6
130	66.6	31.4	94.2

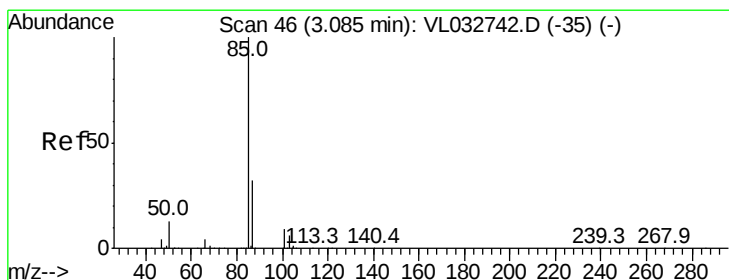
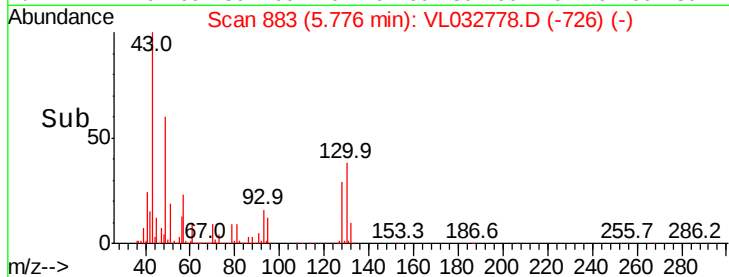
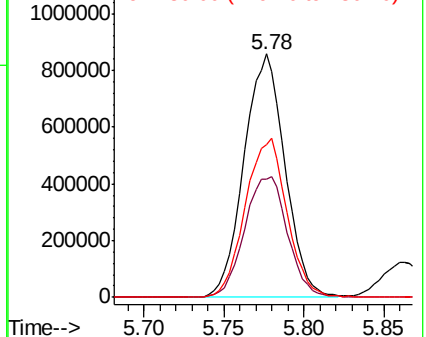


Abundance

Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.512 ppbv

RT: 3.08 min Scan# 46

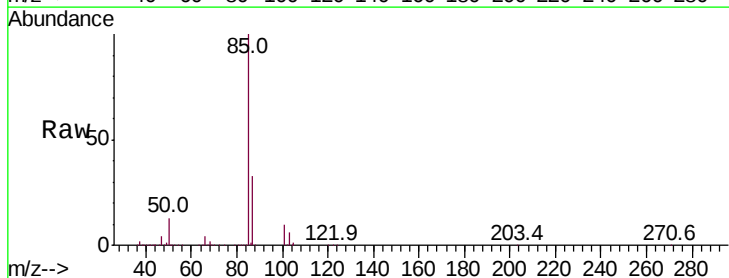
Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Tgt Ion: 85 Resp: 1618801

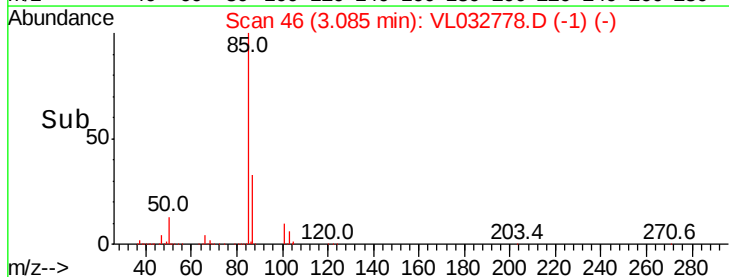
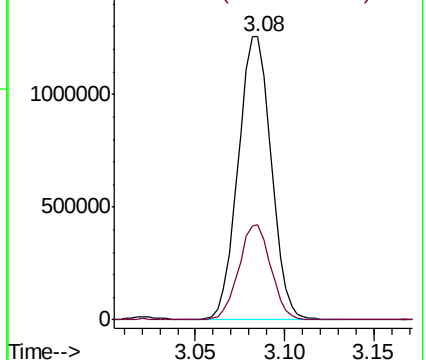
Ion	Ratio	Lower	Upper
85	100		
87	33.5	26.0	39.0

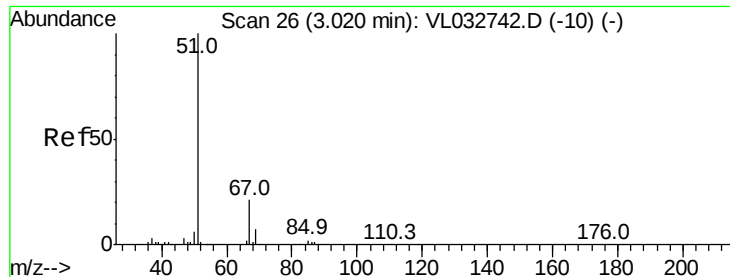


Abundance

Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.766 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

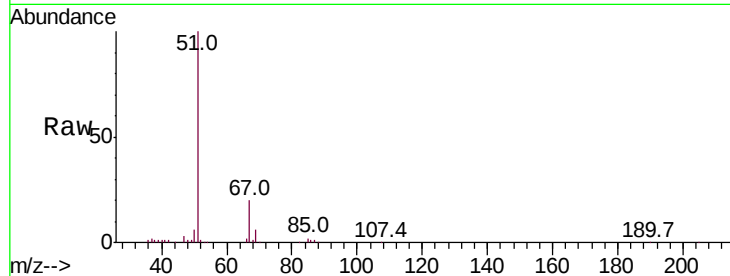
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 1041851

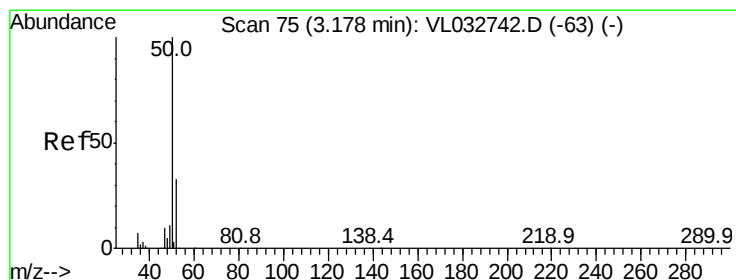
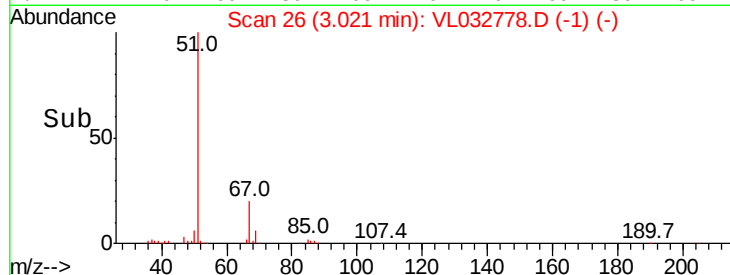
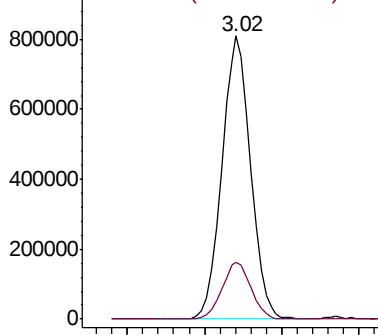
Ion Ratio Lower Upper

51 100

67 20.3 16.1 24.1



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.580 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL032778.D

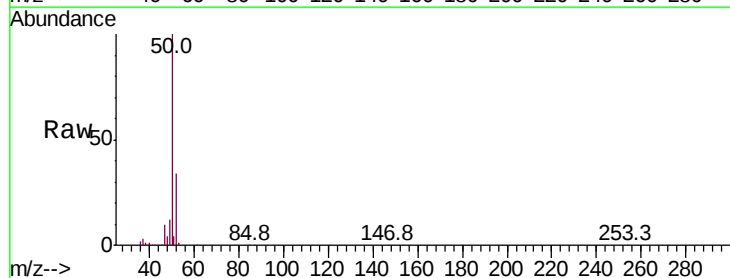
Acq: 20 Nov 2018 14:13

Tgt Ion: 50 Resp: 565417

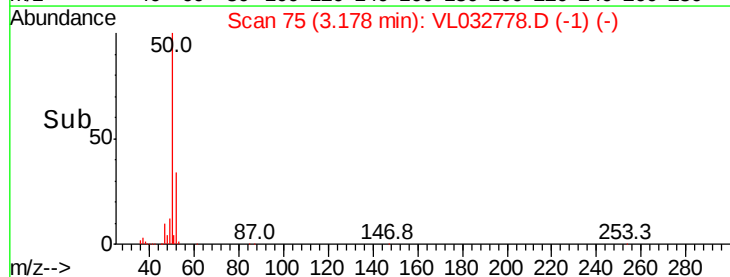
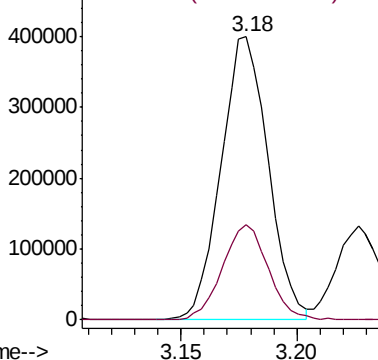
Ion Ratio Lower Upper

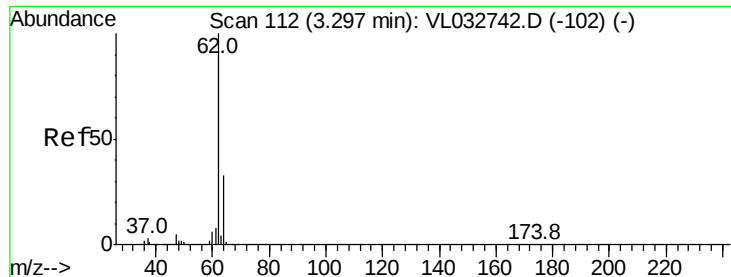
50 100

52 33.7 26.6 40.0



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.518 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

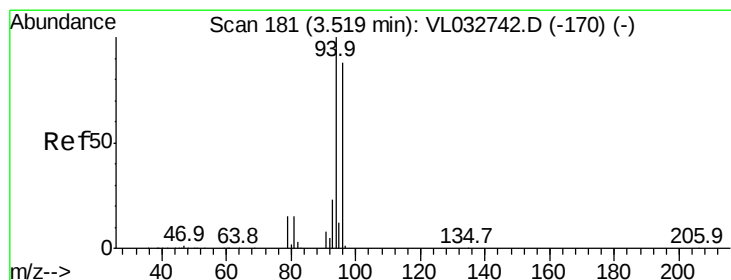
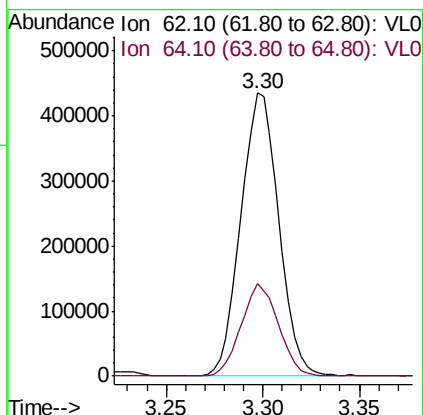
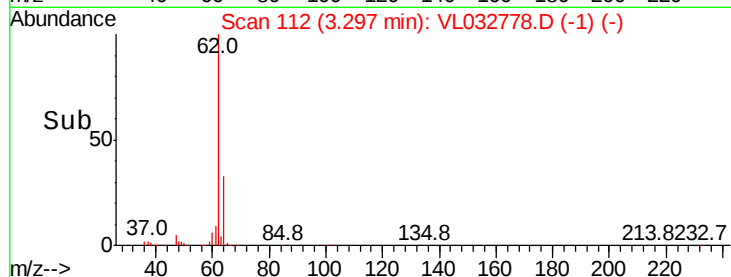
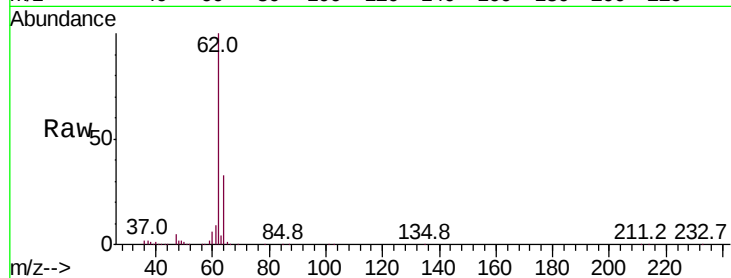
ClientSampleId :

Tot Ion: 62 Resp: 594786

Ion Ratio Lower Upper

62 100

64 32.9 26.2 39.4



#6

Bromomethane

Concen: 9.204 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL032778.D

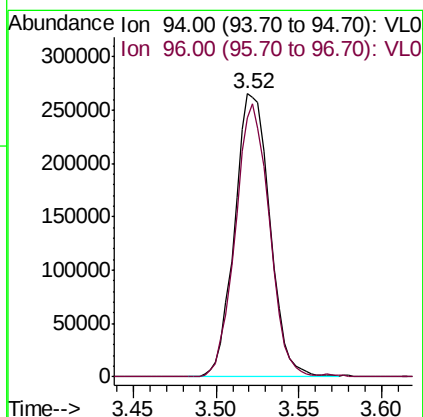
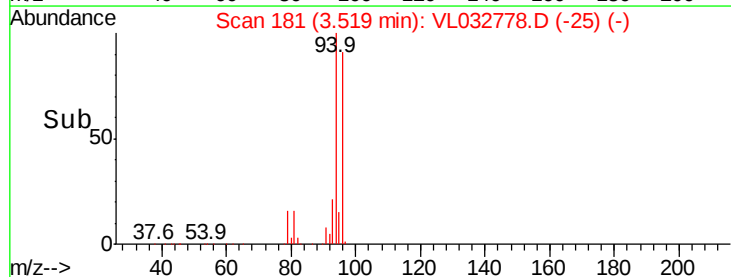
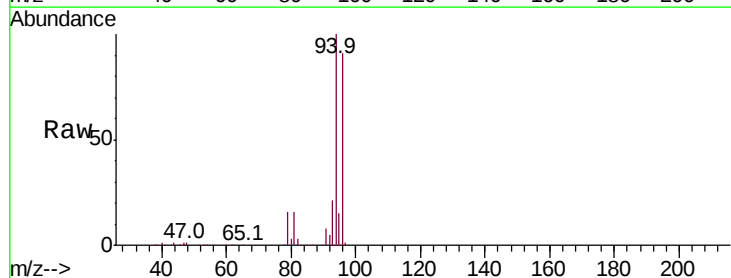
Acq: 20 Nov 2018 14:13

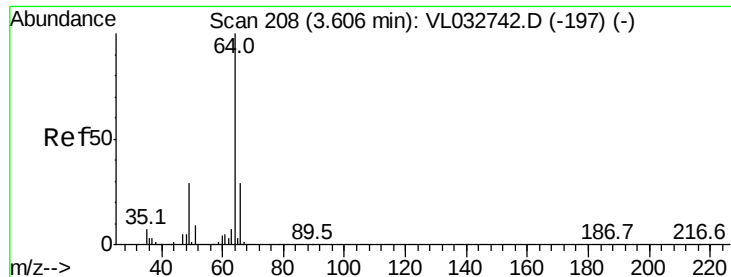
Tgt Ion: 94 Resp: 393159

Ion Ratio Lower Upper

94 100

96 91.5 70.2 105.2





#7

Chloroethane

Concen: 9.120 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

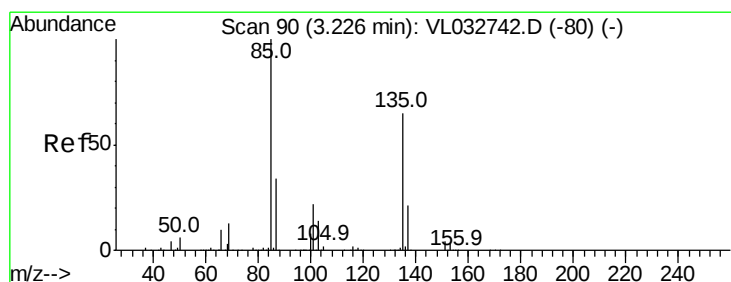
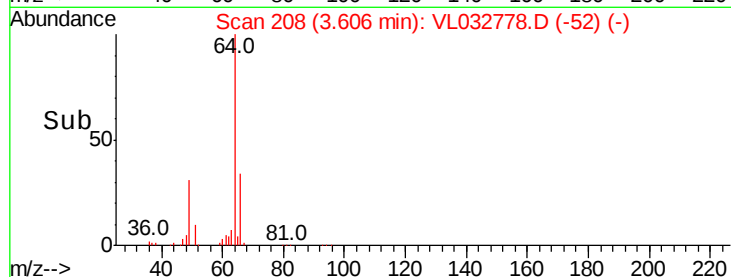
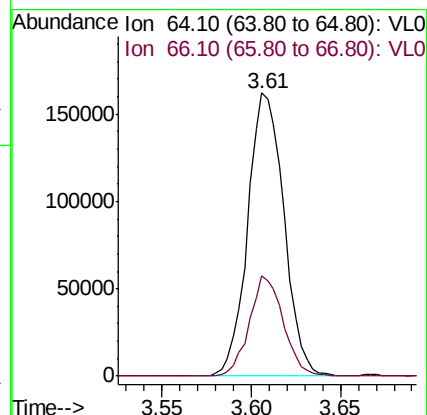
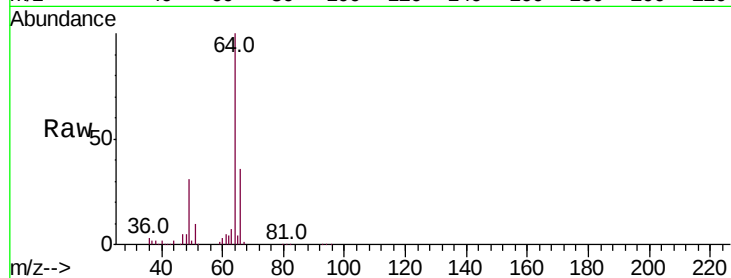
ClientSampleId :

Tot Ion: 64 Resp: 229534

Ion Ratio Lower Upper

64 100

66 35.6 23.2 34.8#



#8

Dichlorotetrafluoroethane

Concen: 8.713 ppbv

RT: 3.23 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL032778.D

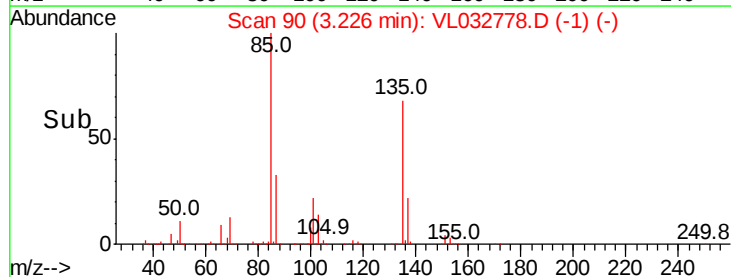
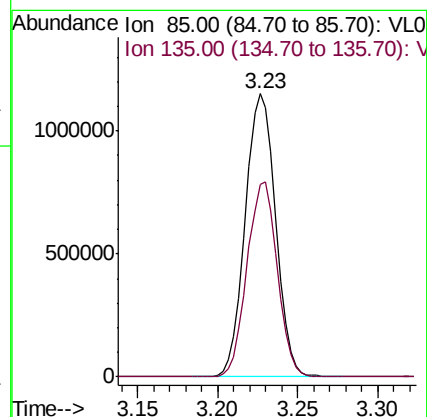
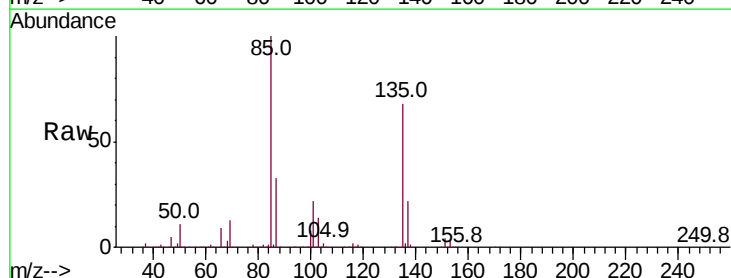
Acq: 20 Nov 2018 14:13

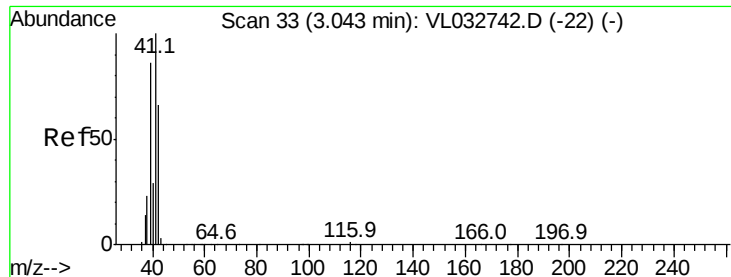
Tgt Ion: 85 Resp: 1479473

Ion Ratio Lower Upper

85 100

135 69.1 53.8 80.8





#9

Propene

Concen: 9.083 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

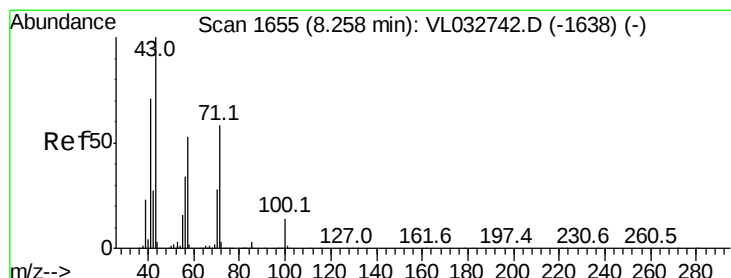
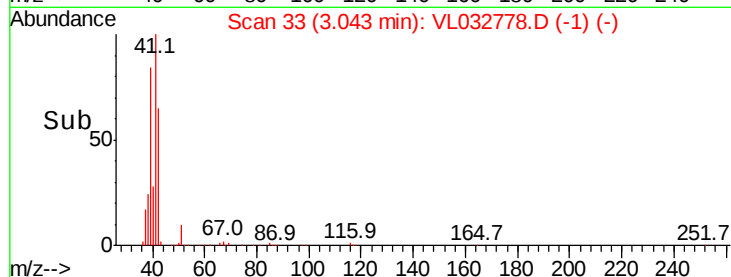
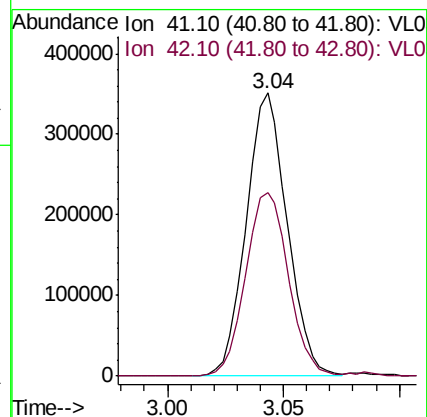
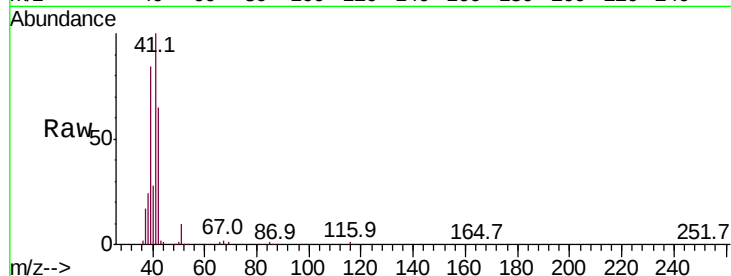
ClientSampleId :

Tot Ion: 41 Resp: 432017

Ion Ratio Lower Upper

41 100

42 68.6 55.0 82.6



#10

Heptane

Concen: 10.098 ppbv

RT: 8.26 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VL032778.D

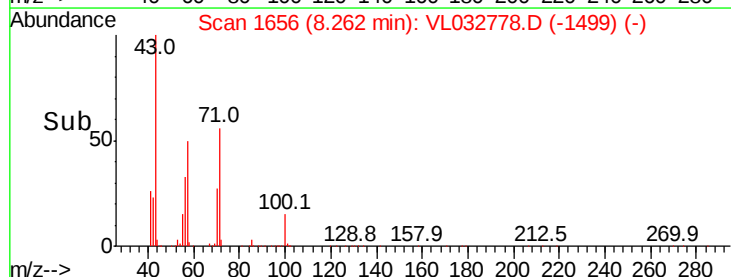
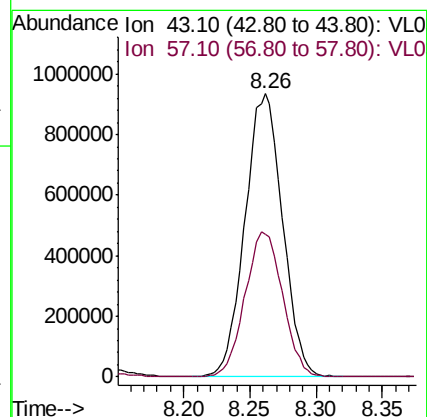
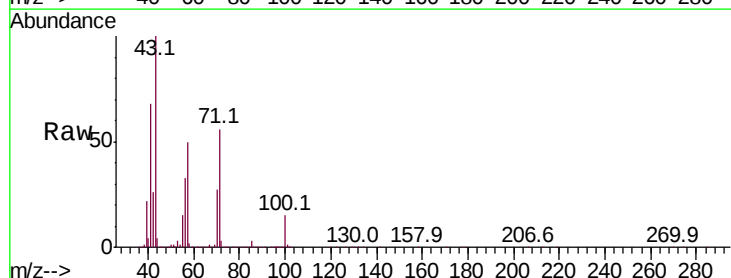
Acq: 20 Nov 2018 14:13

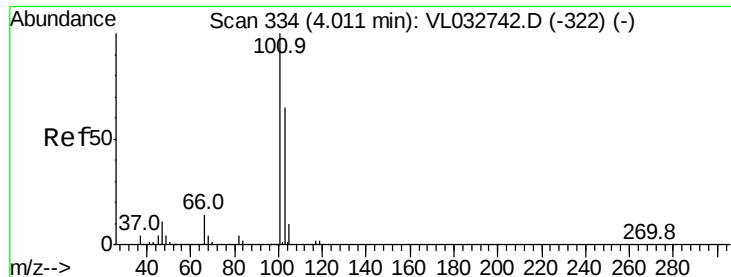
Tgt Ion: 43 Resp: 1833549

Ion Ratio Lower Upper

43 100

57 51.6 41.8 62.8

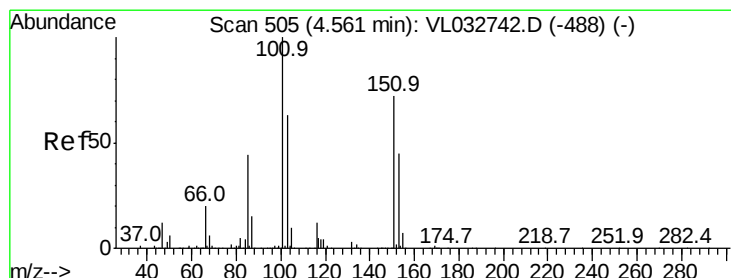
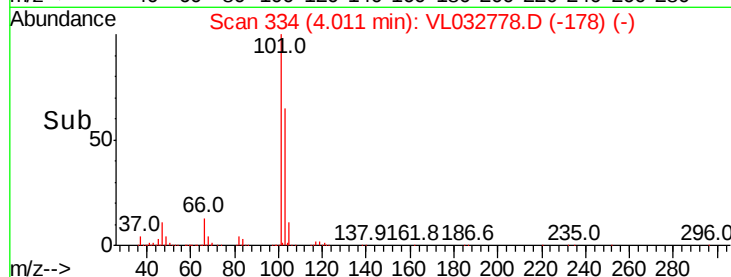
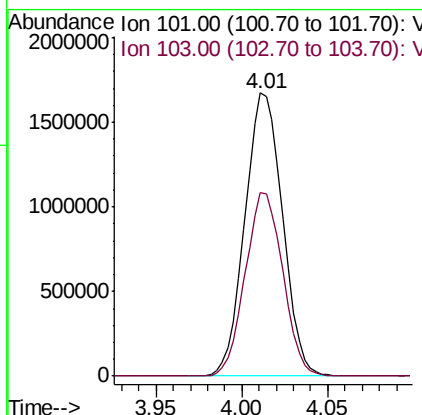
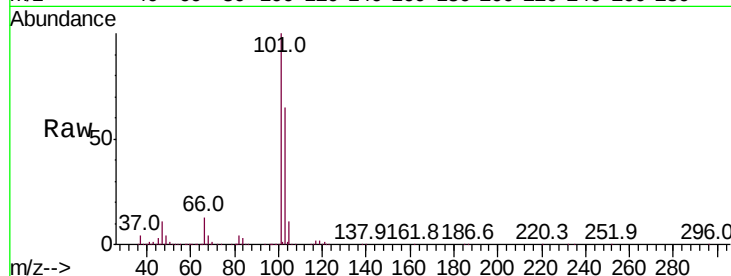




#11
 Trichlorofluoromethane
 Concen: 12.547 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

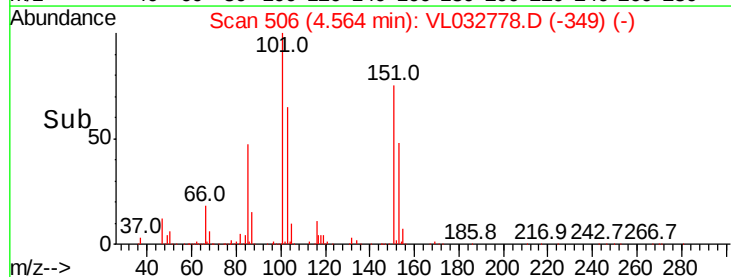
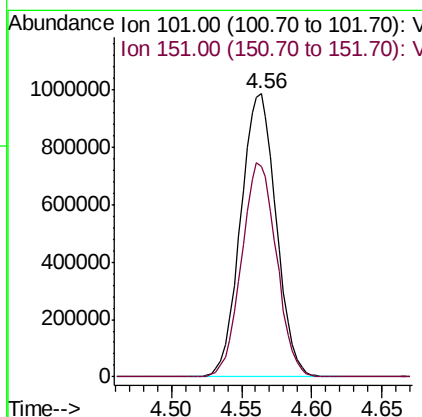
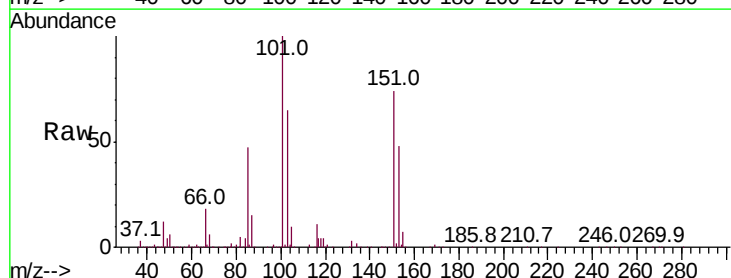
Instrument :
 MSVOA_L
 ClientSampleId :

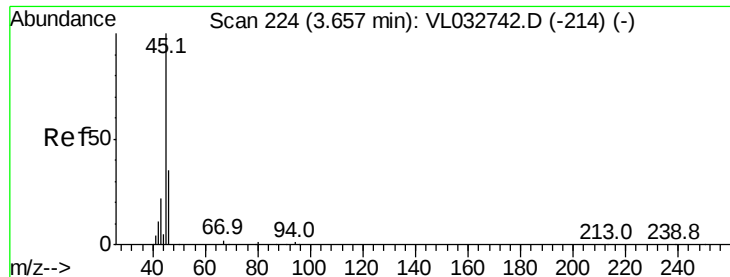
Tot Ion:101 Resp: 2547901
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.494 ppbv
 RT: 4.56 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion:101 Resp: 1740662
 Ion Ratio Lower Upper
 101 100
 151 74.4 56.7 85.1





#13

Ethanol

Concen: 7.264 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

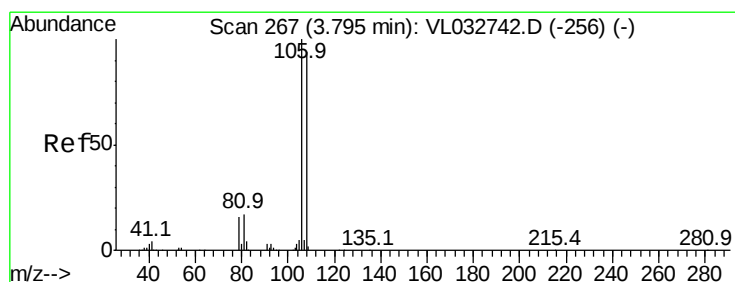
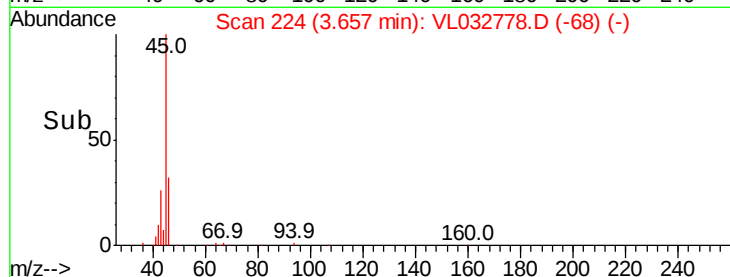
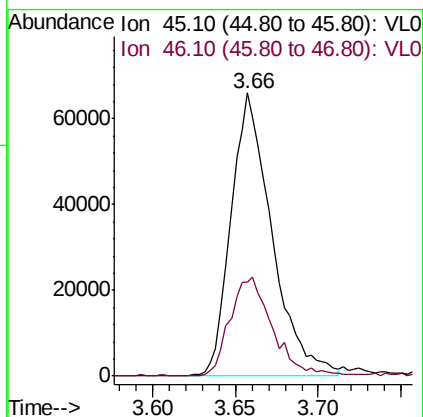
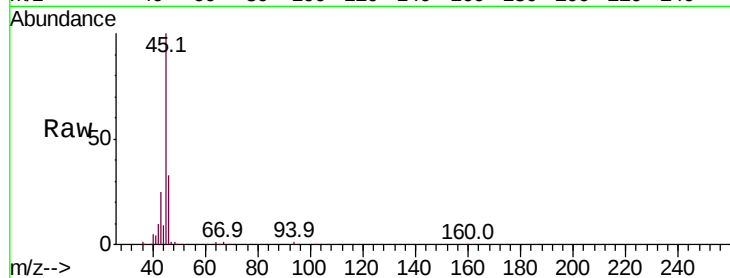
ClientSampleId :

Tot Ion: 45 Resp: 113163

Ion Ratio Lower Upper

45 100

46 37.1 14.5 57.9



#14

Bromoethene

Concen: 9.216 ppbv

RT: 3.80 min Scan# 267

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

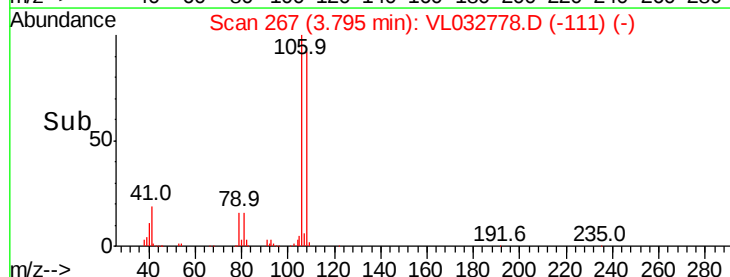
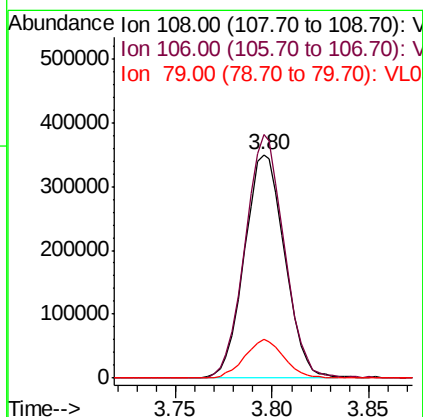
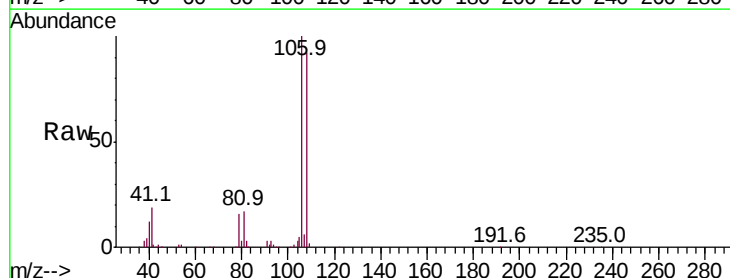
Tgt Ion: 108 Resp: 507184

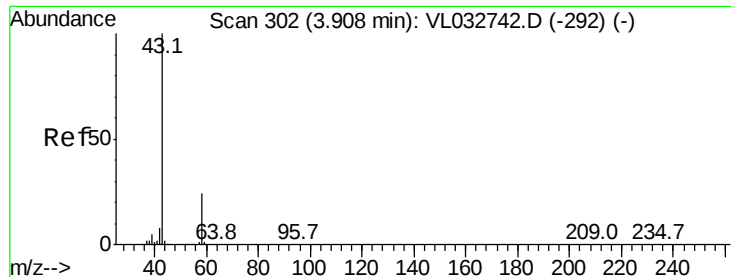
Ion Ratio Lower Upper

108 100

106 106.7 84.9 127.3

79 17.0 14.2 21.4





#15

Acetone

Concen: 7.948 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

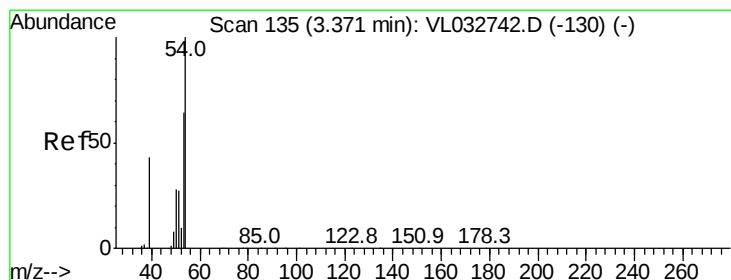
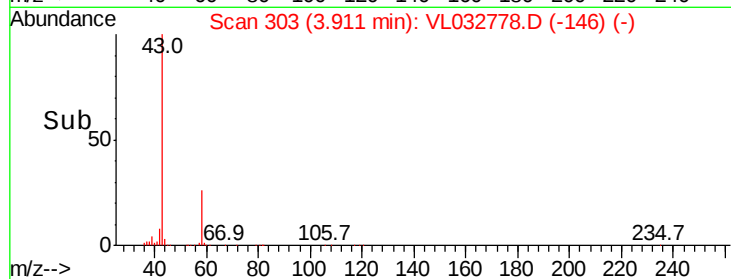
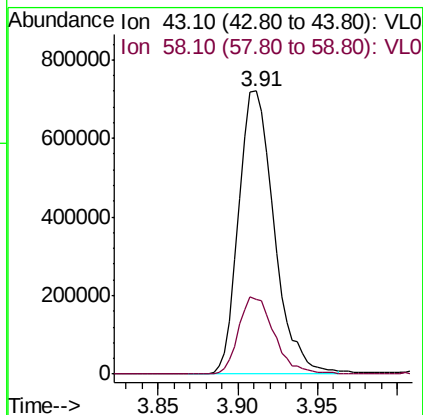
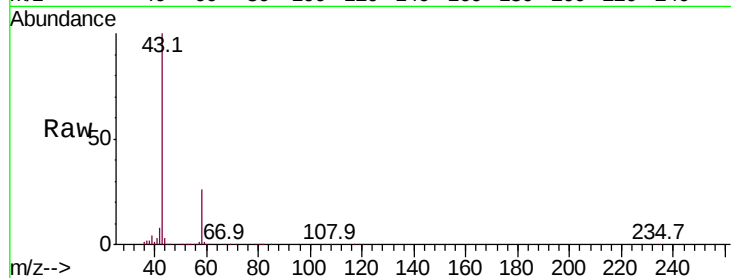
ClientSampleId :

Tot Ion: 43 Resp: 1088140

Ion Ratio Lower Upper

43 100

58 27.4 21.1 31.7



#16

1,3-Butadiene

Concen: 9.314 ppbv

RT: 3.37 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL032778.D

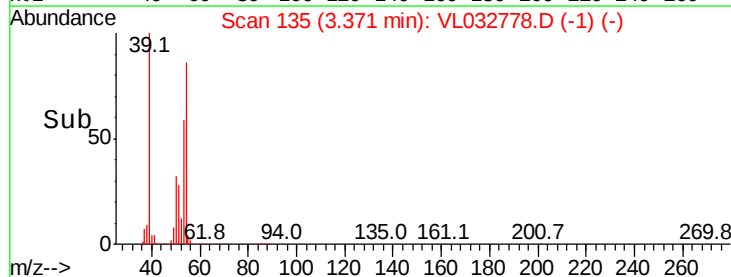
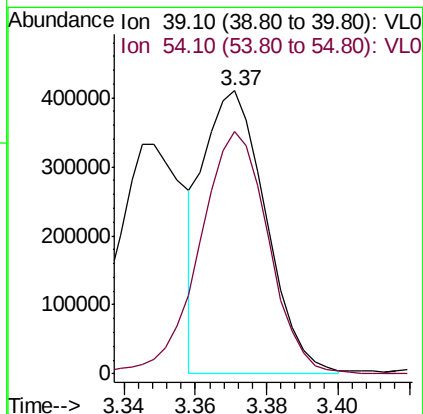
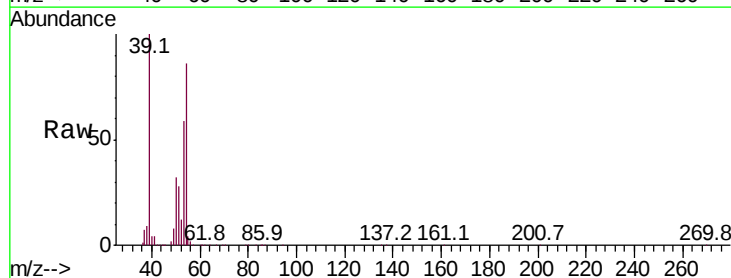
Acq: 20 Nov 2018 14:13

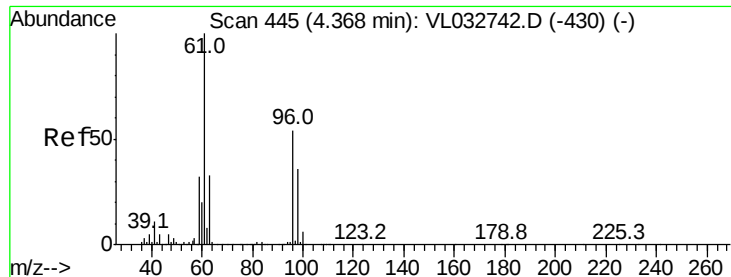
Tgt Ion: 39 Resp: 493787

Ion Ratio Lower Upper

39 100

54 95.6 68.9 103.3





#17

tert-Butyl alcohol

Concen: 10.244 ppbv

RT: 4.37 min Scan# 445

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

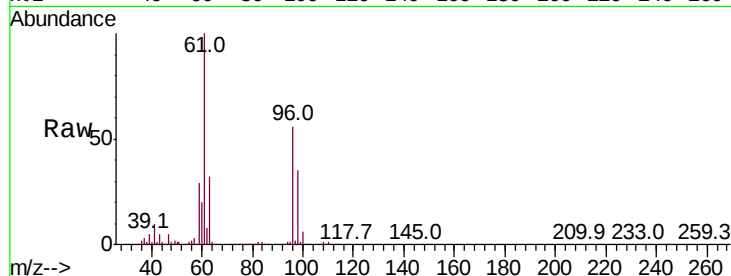
ClientSampleId :

Tot Ion: 59 Resp: 439861

Ion Ratio Lower Upper

59 100

57 10.5 7.8 11.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

250000

200000

150000

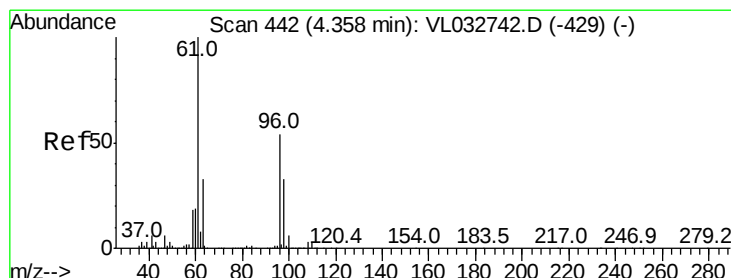
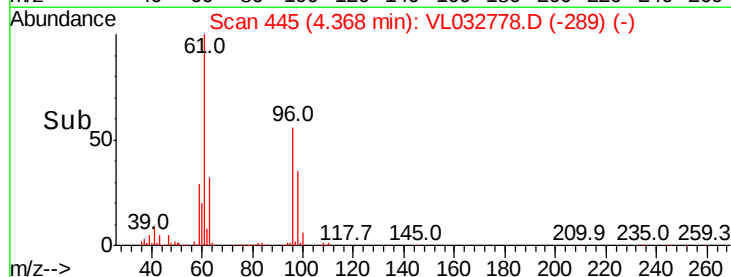
100000

50000

0

4.30 4.35 4.40 4.45

Time-->



#18

1,1-Dichloroethene

Concen: 9.738 ppbv

RT: 4.36 min Scan# 443

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

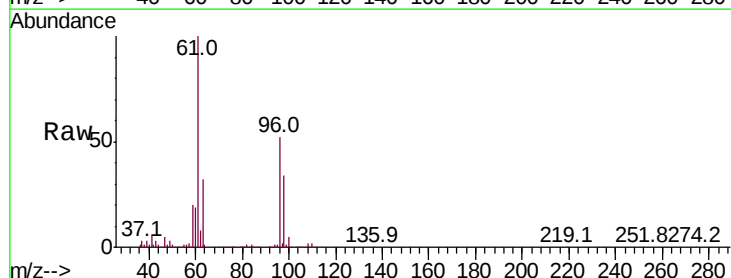
Tgt Ion: 96 Resp: 794302

Ion Ratio Lower Upper

96 100

61 190.8 148.5 222.7

98 64.6 48.6 72.8



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1200000

1000000

800000

600000

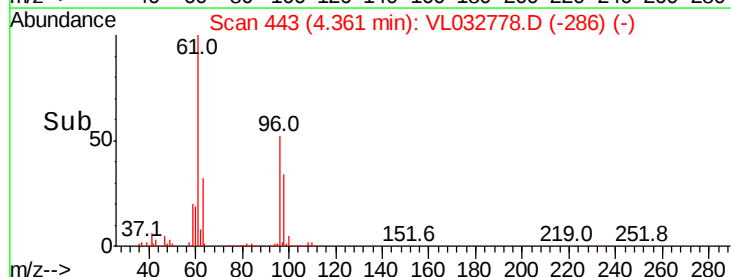
400000

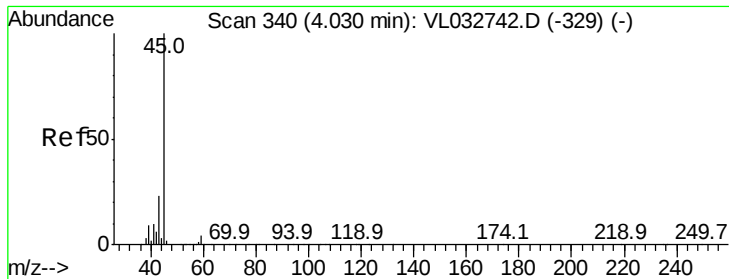
200000

0

4.30 4.35 4.40 4.45

Time-->



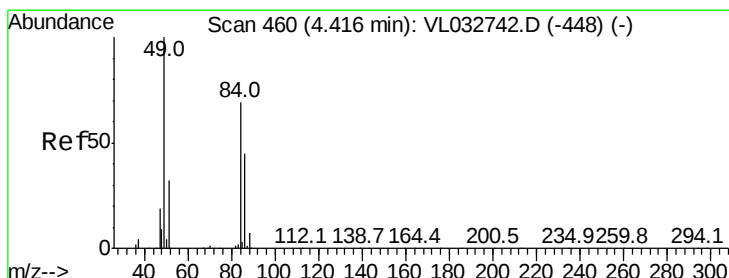
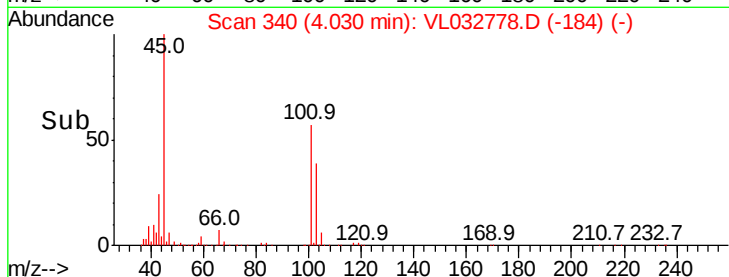
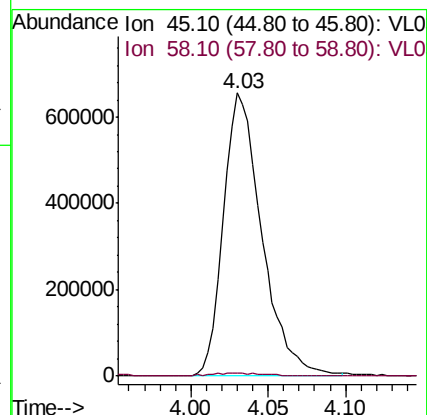
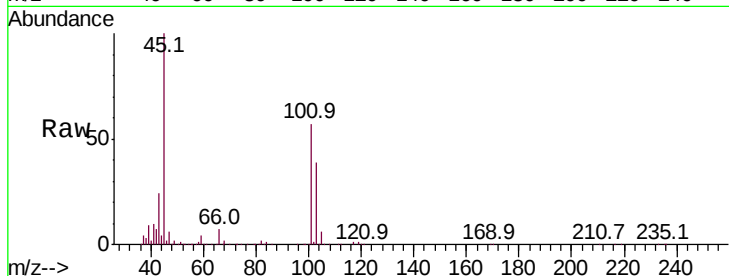


#19

Isopropyl Alcohol
 Concen: 12.341 ppbv
 RT: 4.03 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Instrument :
 MSVOA_L
 ClientSampleId :

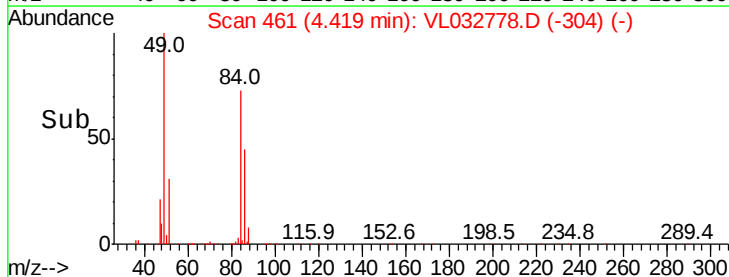
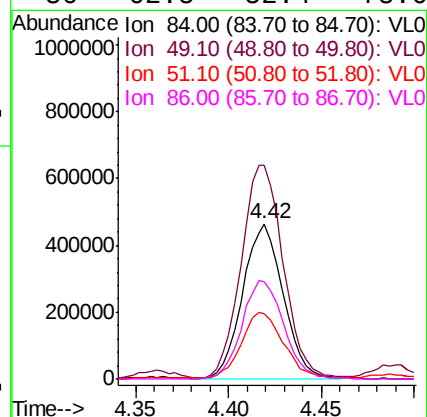
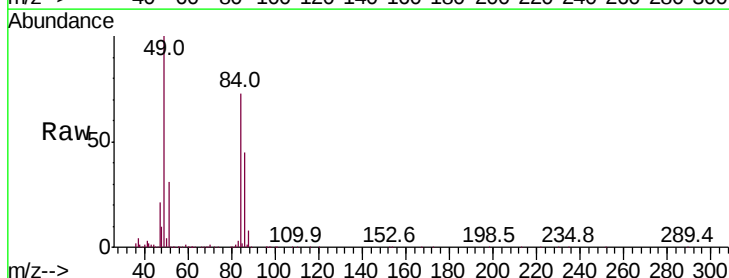
Tot Ion: 45 Resp: 1125503
 Ion Ratio Lower Upper
 45 100
 58 1.7 1.4 2.0

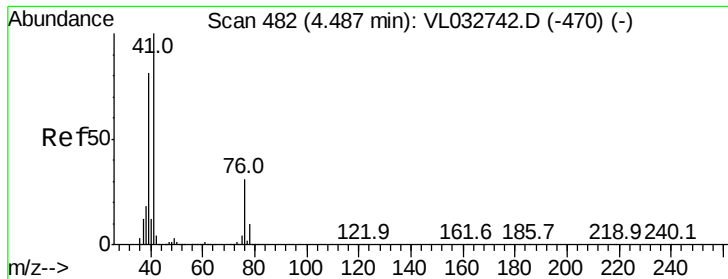


#20

Methylene Chloride
 Concen: 9.892 ppbv
 RT: 4.42 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion: 84 Resp: 701077
 Ion Ratio Lower Upper
 84 100
 49 136.9 115.8 173.6
 51 41.7 36.9 55.3
 86 62.5 52.4 78.6





#21

Allvl Chloride

Concen: 10.830 ppbv

RT: 4.49 min Scan# 482

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampled :

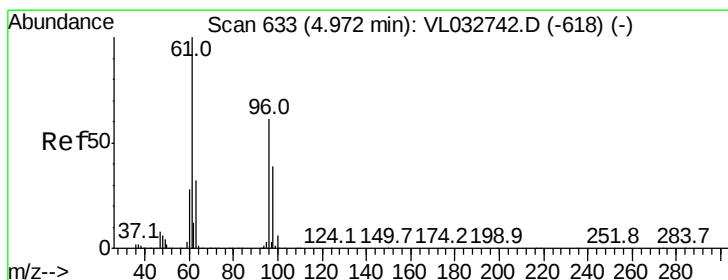
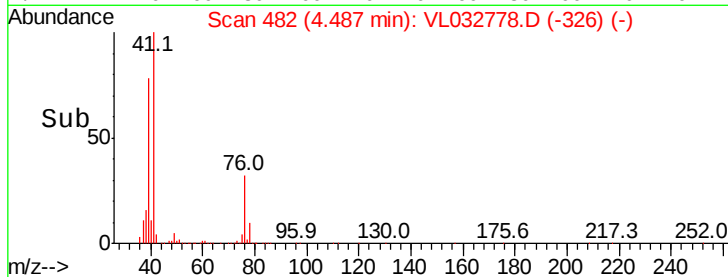
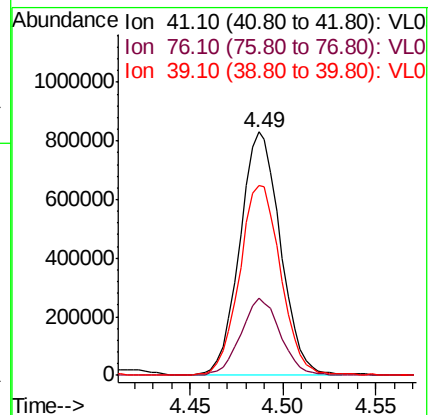
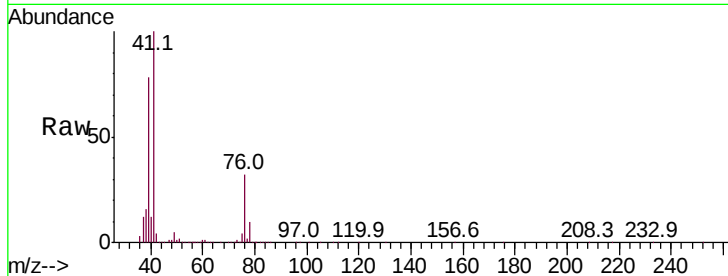
Tot Ion: 41 Resp: 1245945

Ion Ratio Lower Upper

41 100

76 31.2 24.4 36.6

39 80.0 63.5 95.3



#22

trans-1,2-Dichloroethene

Concen: 9.590 ppbv

RT: 4.97 min Scan# 633

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

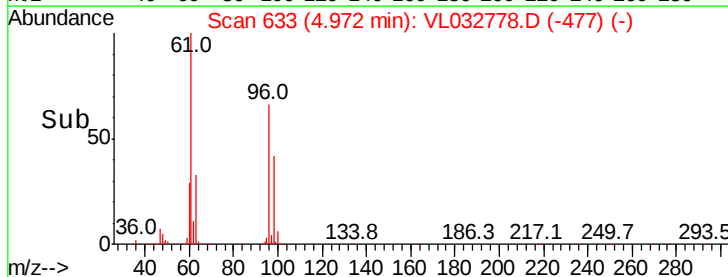
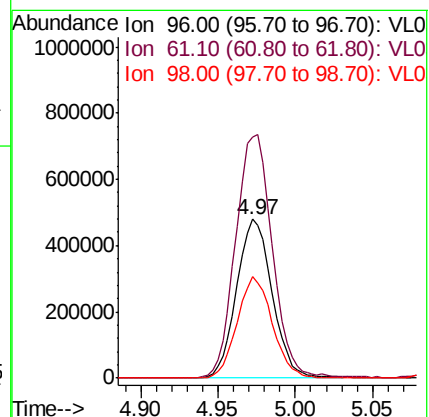
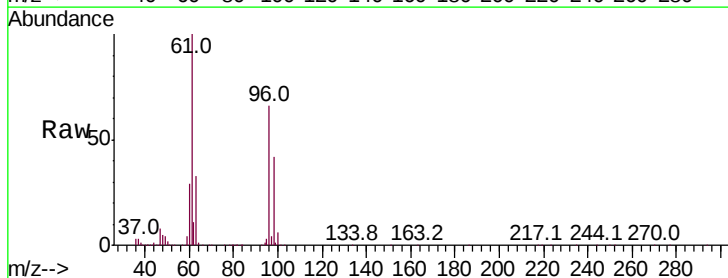
Tgt Ion: 96 Resp: 763790

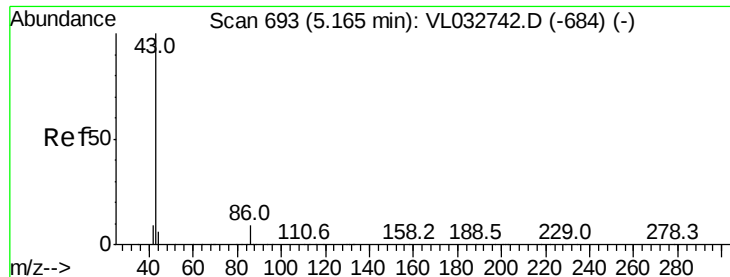
Ion Ratio Lower Upper

96 100

61 152.0 130.2 195.2

98 64.4 50.2 75.2



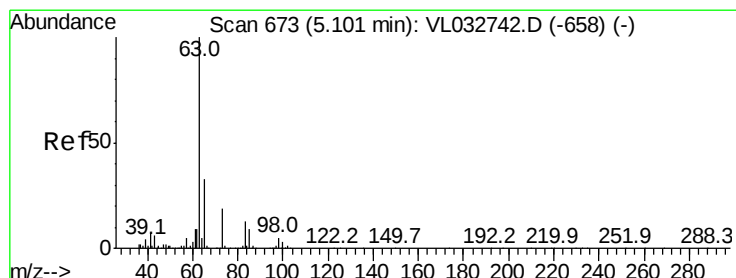
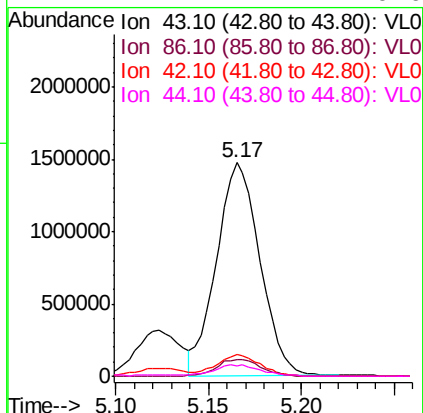
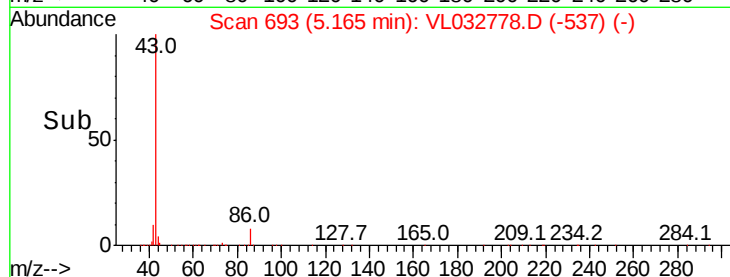
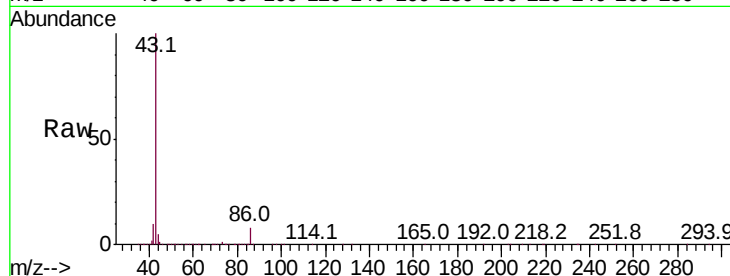


#23
 Vinyl Acetate
 Concen: 9.587 ppbv
 RT: 5.17 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2392378

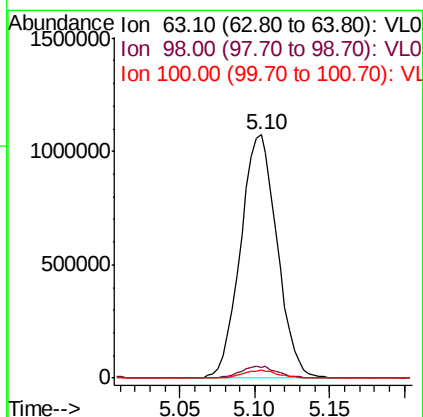
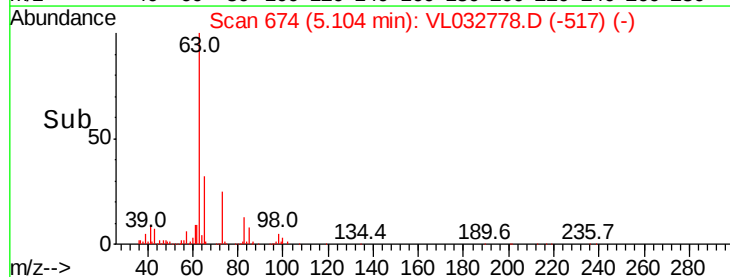
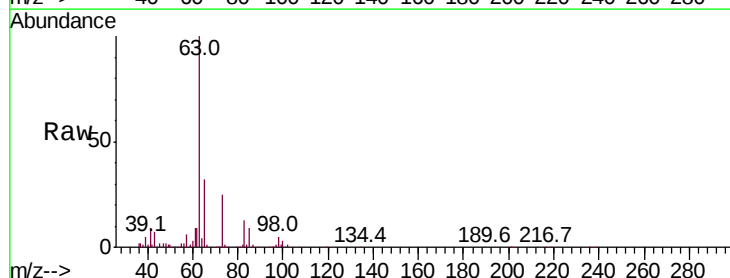
Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.2	9.4
42	10.2	7.8	11.6
44	4.7	4.4	6.6

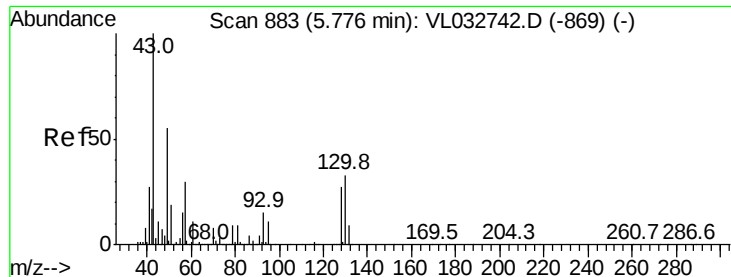


#24
 1,1-Dichloroethane
 Concen: 9.169 ppbv
 RT: 5.10 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion: 63 Resp: 1819094

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.8
100	3.1	1.4	4.2



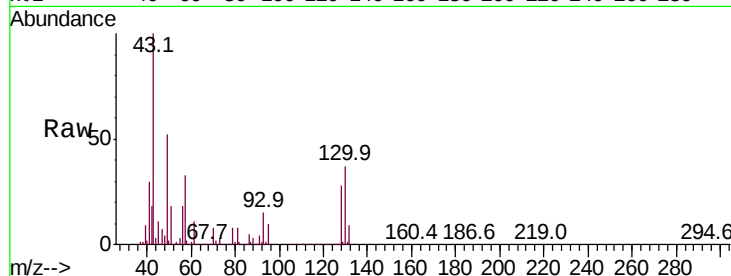


#25
Ethyl Acetate
Concen: 9.586 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

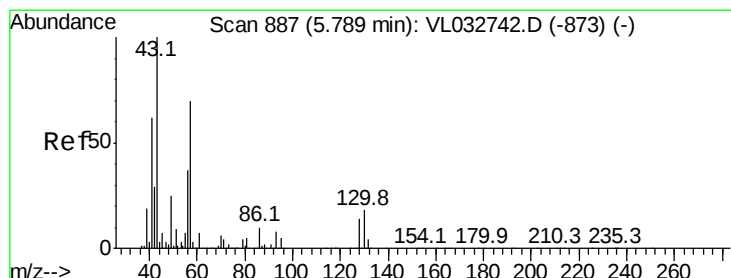
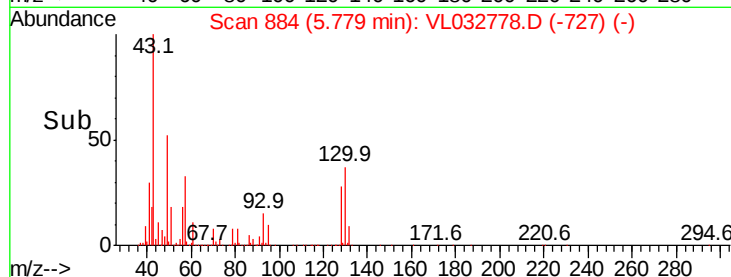
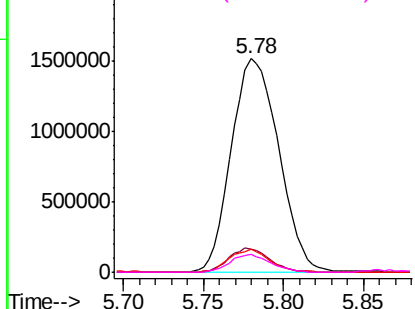
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3058656

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.4	7.8	11.6
70	7.3	5.8	8.6



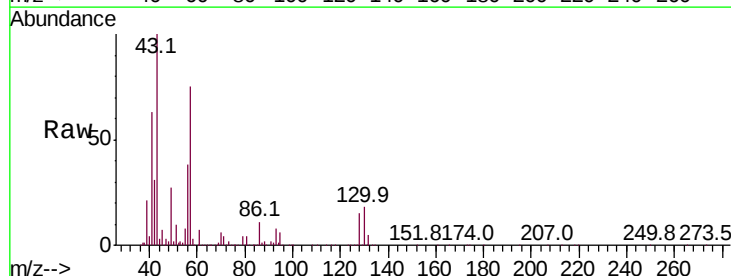
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



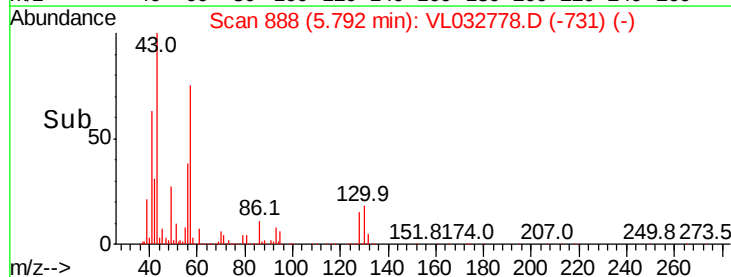
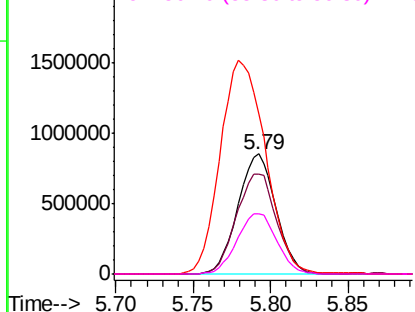
#26
Hexane
Concen: 10.197 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

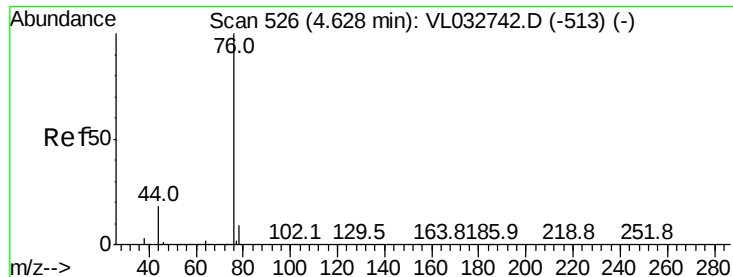
Tgt Ion: 57 Resp: 1448356

Ion	Ratio	Lower	Upper
57	100		
41	88.5	70.3	105.5
43	213.3	174.0	261.0
56	52.7	42.3	63.5



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: 10.538 ppbv

RT: 4.63 min Scan# 527

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

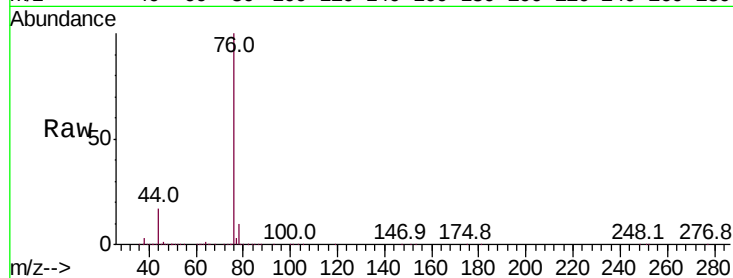
Tot Ion: 76 Resp: 1897953

Ion Ratio Lower Upper

76 100

44 17.6 14.4 21.6

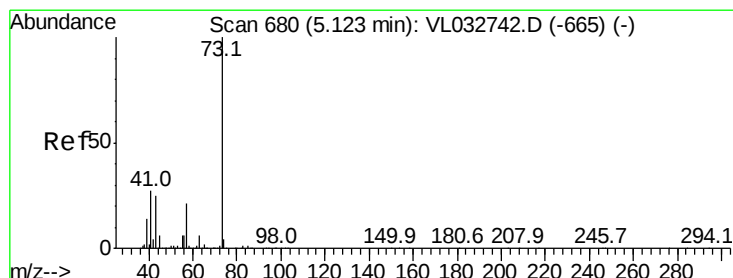
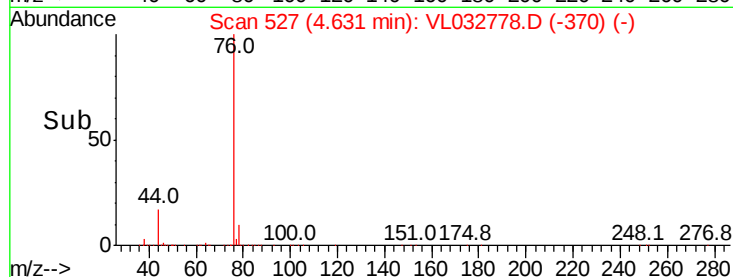
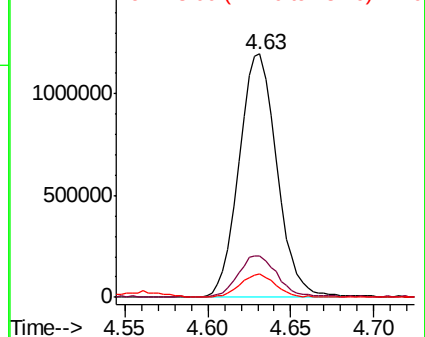
78 9.4 7.7 11.5



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: 9.989 ppbv

RT: 5.12 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL032778.D

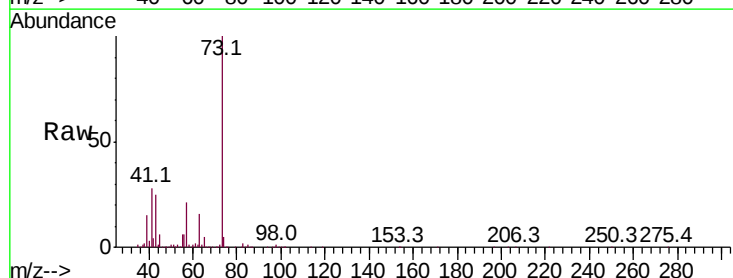
Acq: 20 Nov 2018 14:13

Tgt Ion: 73 Resp: 2262470

Ion Ratio Lower Upper

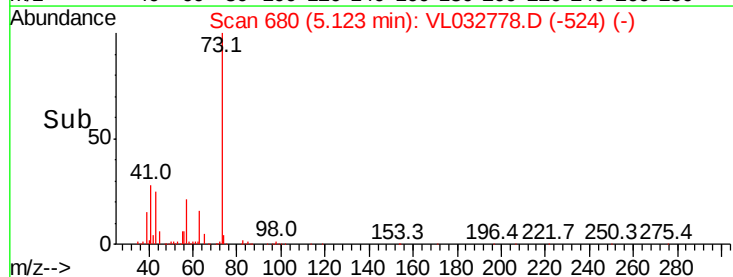
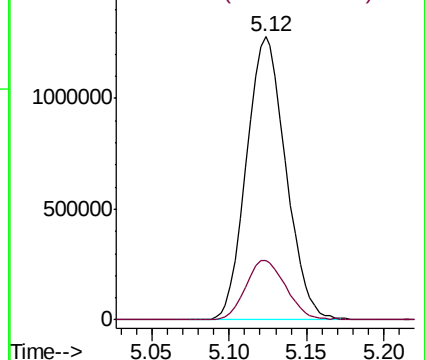
73 100

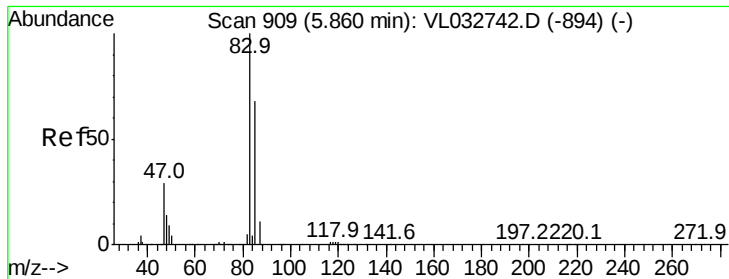
57 21.6 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.742 ppbv

RT: 5.86 min Scan# 910

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

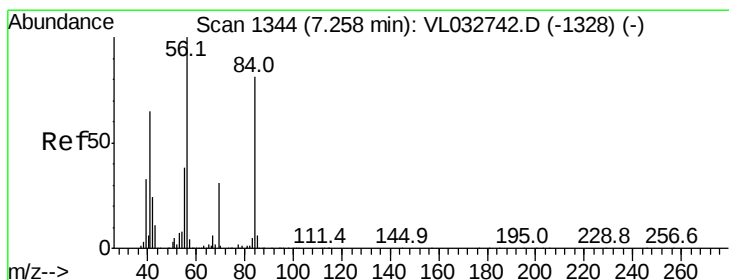
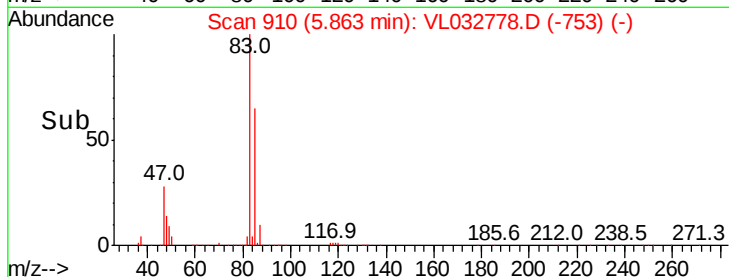
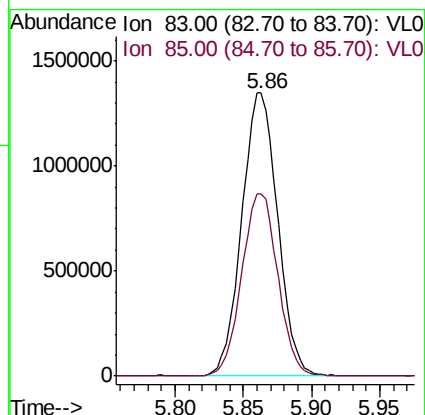
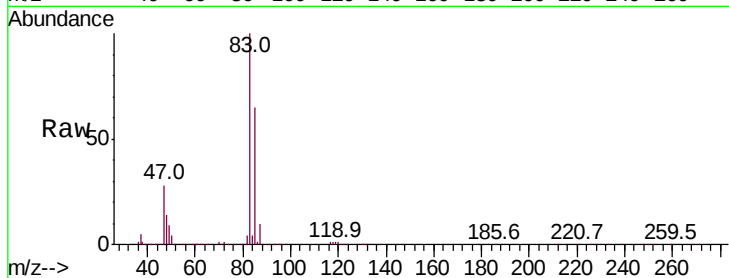
ClientSampleId :

Tot Ion: 83 Resp: 2466103

Ion Ratio Lower Upper

83 100

85 64.5 54.2 81.4



#30

Cyclohexane

Concen: 10.261 ppbv

RT: 7.26 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

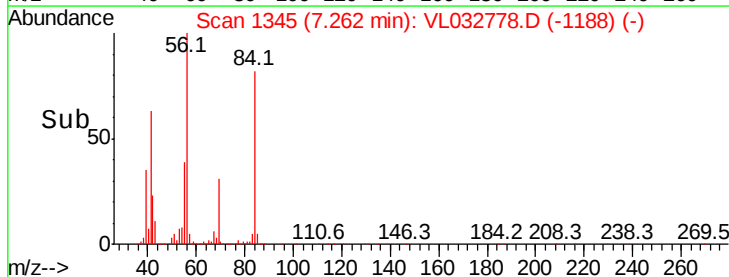
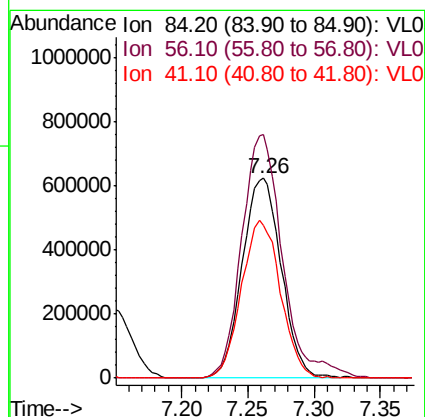
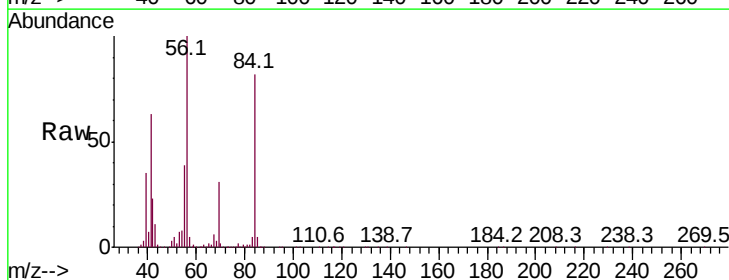
Tgt Ion: 84 Resp: 1274721

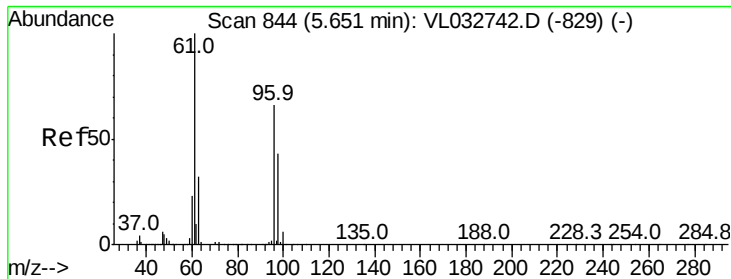
Ion Ratio Lower Upper

84 100

56 127.9 105.0 157.4

41 79.2 65.3 97.9





#31

cis-1,2-Dichloroethene

Concen: 9.911 ppbv

RT: 5.65 min Scan# 845

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :
MSVOA_L
ClientSampleId :

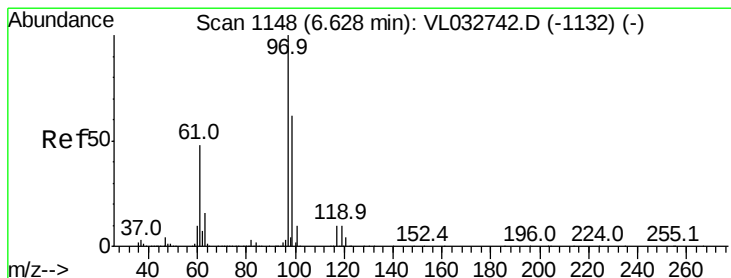
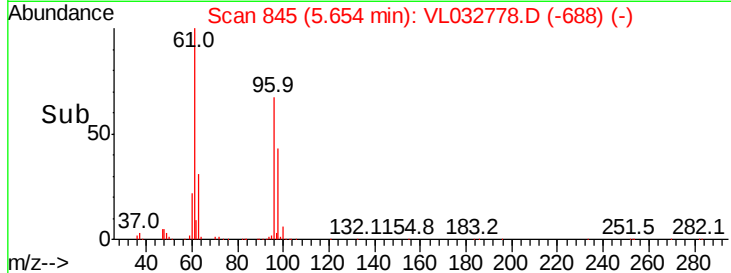
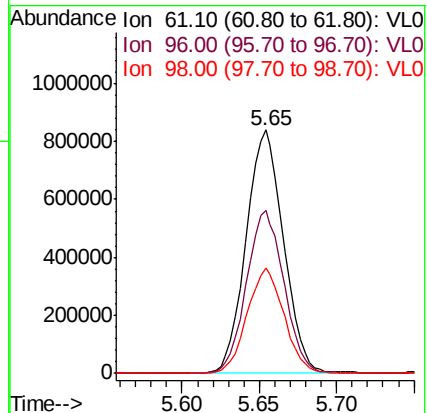
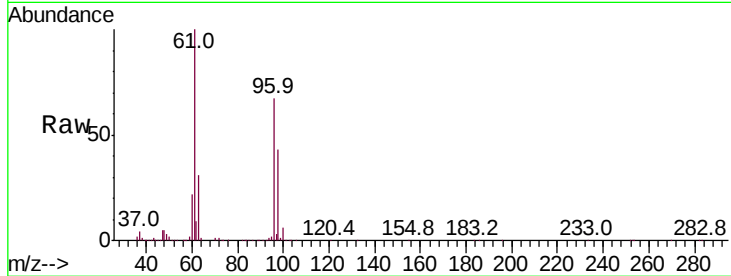
Tot Ion: 61 Resp: 1415303

Ion Ratio Lower Upper

61 100

96 66.6 53.2 79.8

98 43.1 34.4 51.6



#32

1,1,1-Trichloroethane

Concen: 8.950 ppbv

RT: 6.63 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

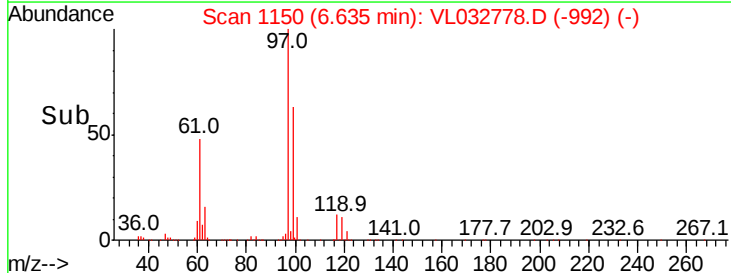
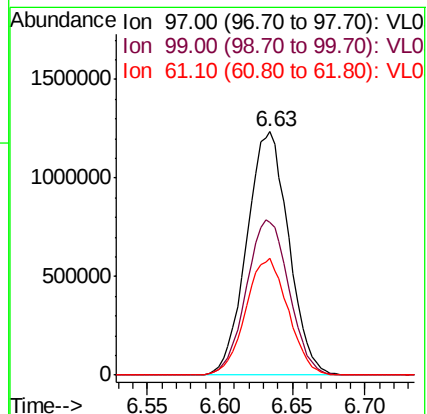
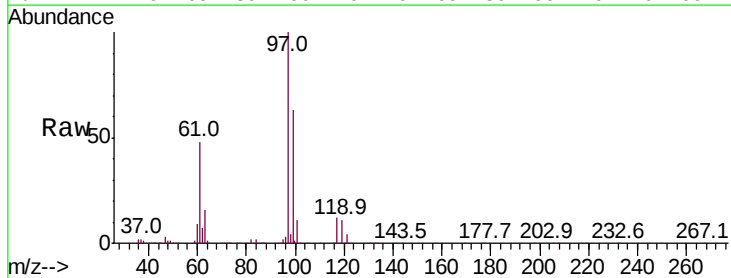
Tgt Ion: 97 Resp: 2483373

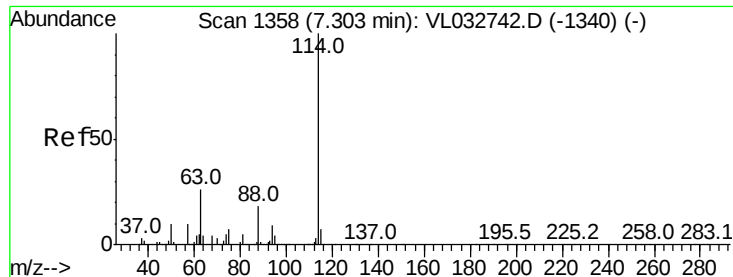
Ion Ratio Lower Upper

97 100

99 65.0 51.8 77.6

61 48.6 39.7 59.5

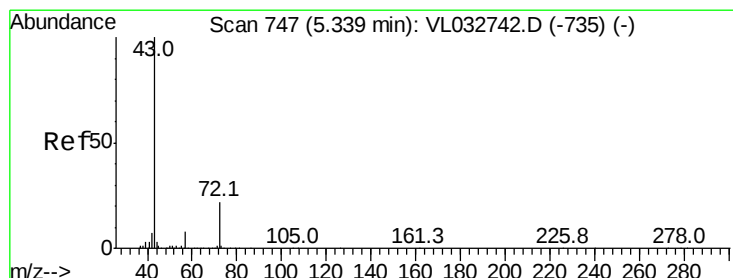
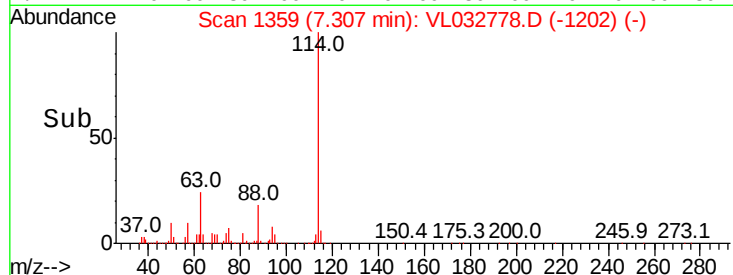
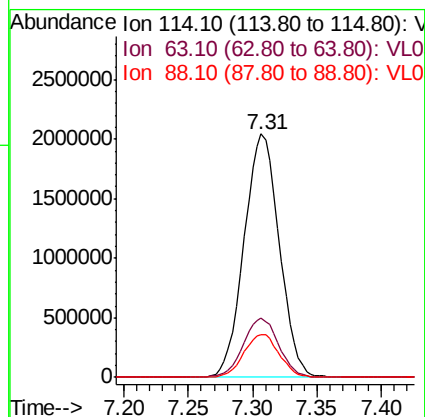
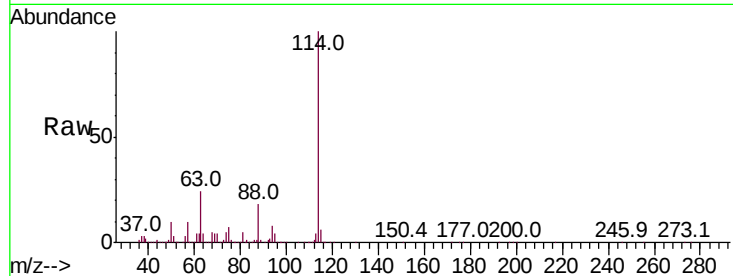




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

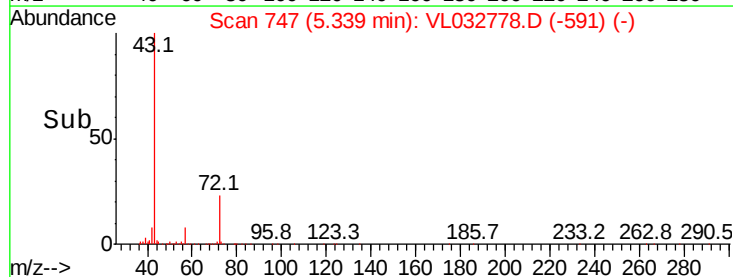
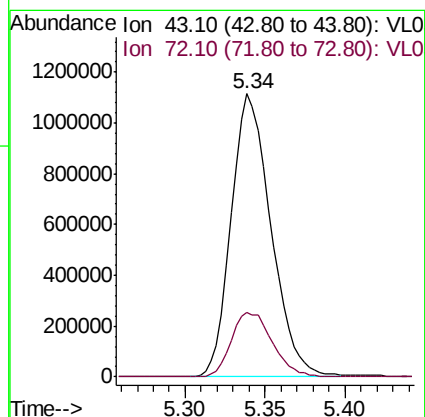
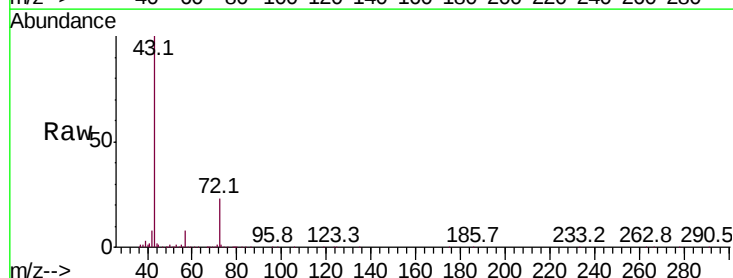
Instrument :
 MSVOA_L
 ClientSampleId :

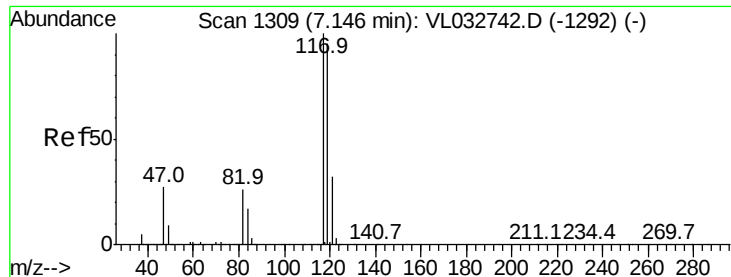
Tot Ion:114 Resp: 3883577
 Ion Ratio Lower Upper
 114 100
 63 24.8 20.9 31.3
 88 17.7 14.4 21.6



#34
 2-Butanone
 Concen: 9.342 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion: 43 Resp: 1881646
 Ion Ratio Lower Upper
 43 100
 72 23.8 18.4 27.6





#35

Carbon Tetrachloride

Concen: 8.764 ppbv

RT: 7.15 min Scan# 1309

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

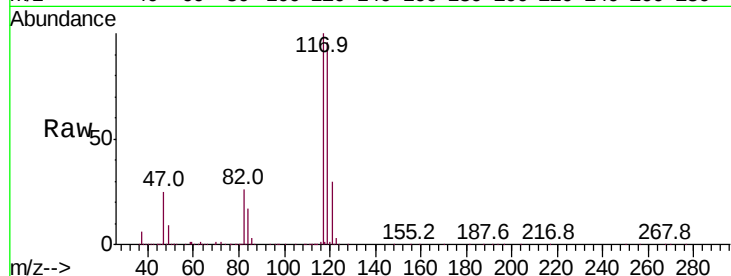
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 2736123

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.1	114.1
121	30.1	25.4	38.0

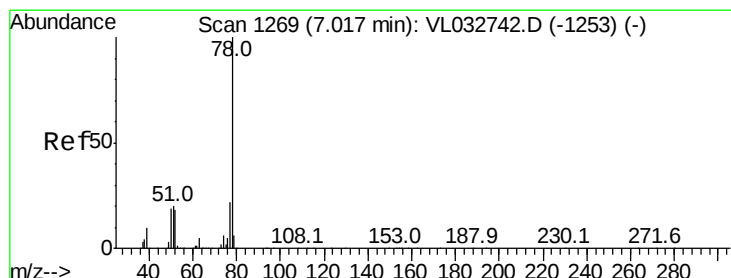
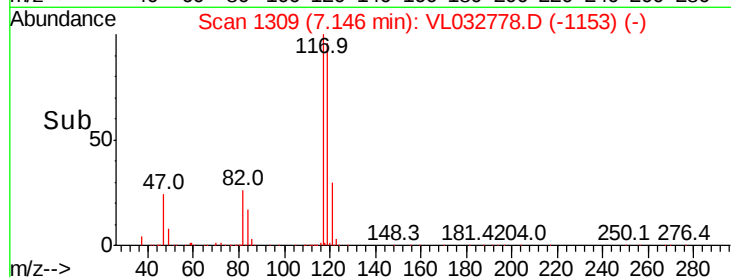
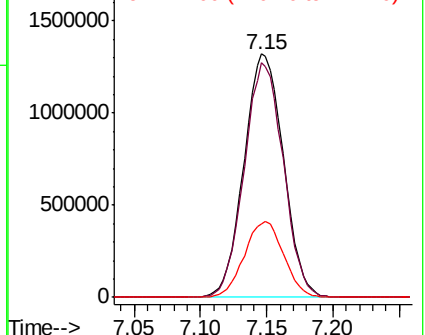


Abundance

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: 9.643 ppbv

RT: 7.02 min Scan# 1270

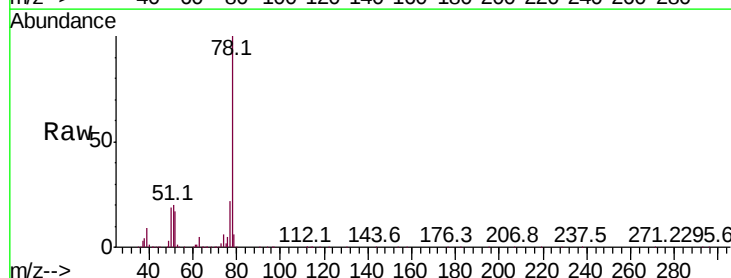
Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Tgt Ion: 78 Resp: 2982084

Ion	Ratio	Lower	Upper
78	100		
77	22.3	17.8	26.8
50	19.5	15.4	23.0

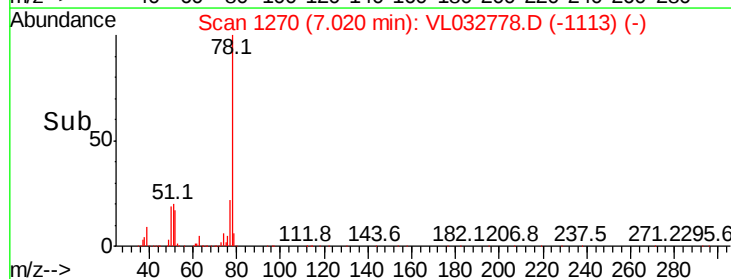
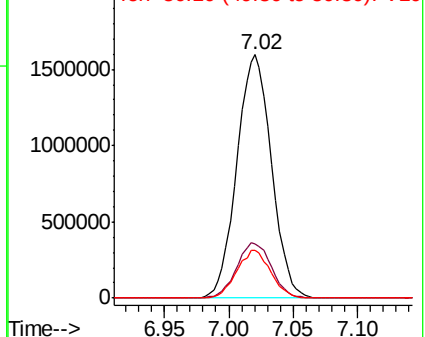


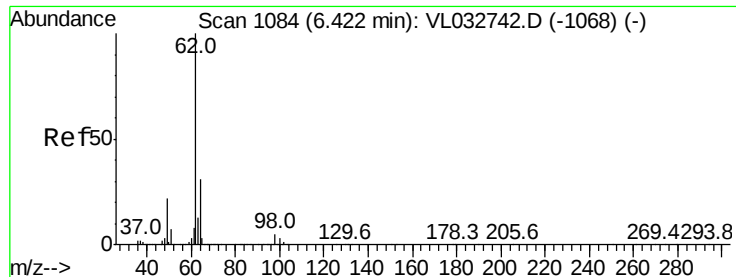
Abundance

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

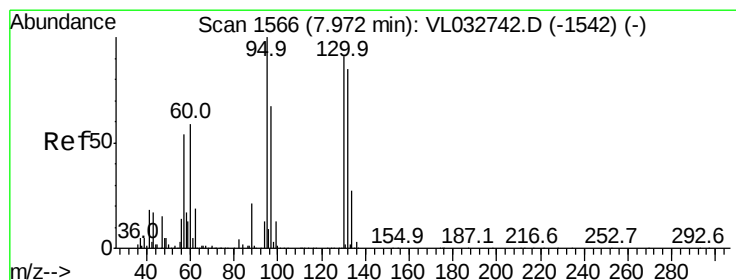
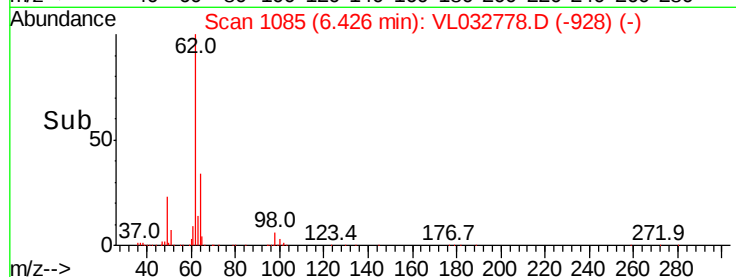
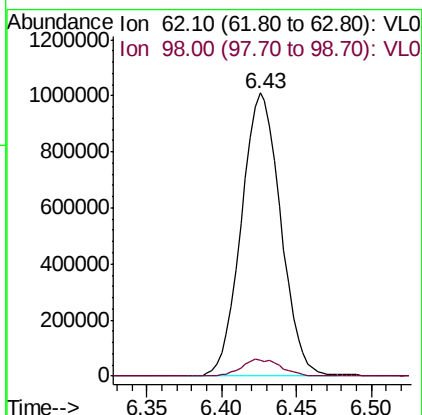
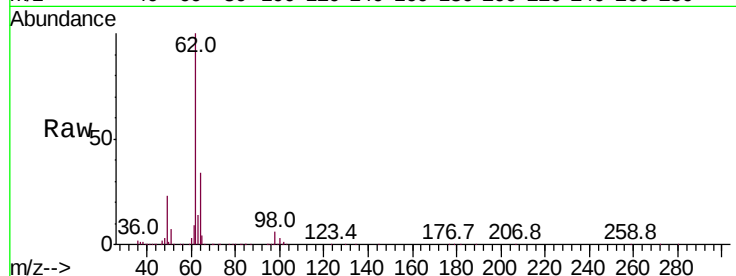




#37
 1,2-Dichloroethane
 Concen: 8.867 ppbv
 RT: 6.43 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

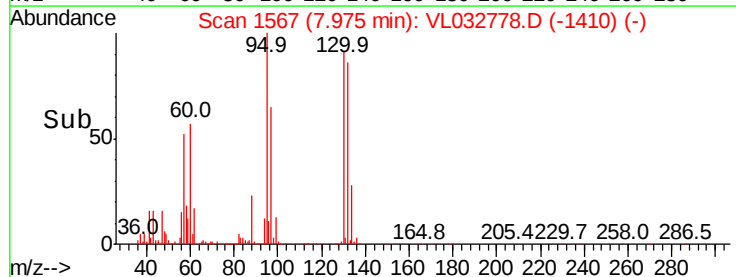
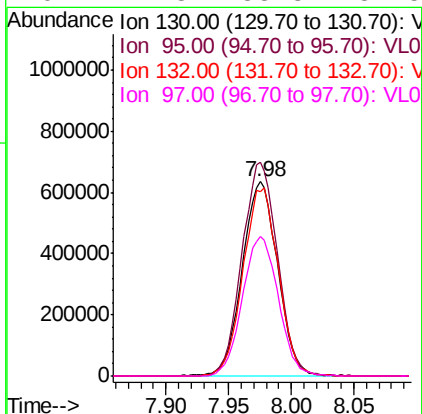
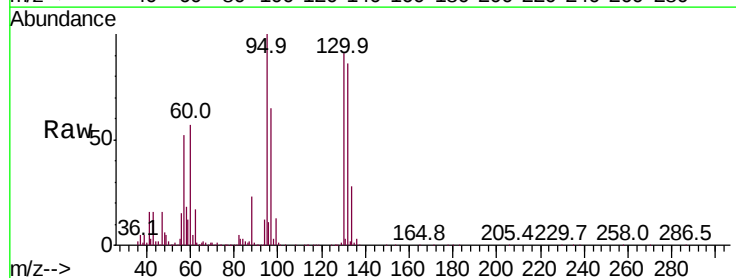
Instrument :
 MSVOA_L
 ClientSampled :

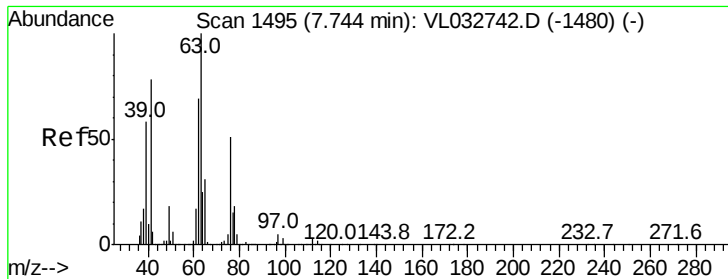
Tot Ion: 62 Resp: 1845985
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.5 6.7



#38
 Trichloroethene
 Concen: 9.980 ppbv
 RT: 7.98 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion: 130 Resp: 1249068
 Ion Ratio Lower Upper
 130 100
 95 109.9 87.7 131.5
 132 94.9 74.6 111.8
 97 71.8 58.3 87.5



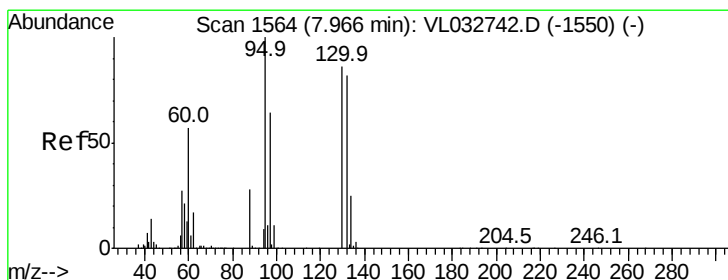
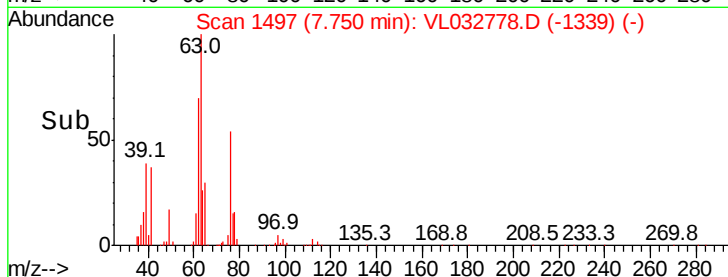
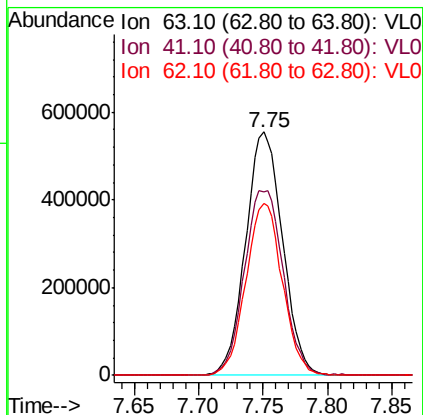
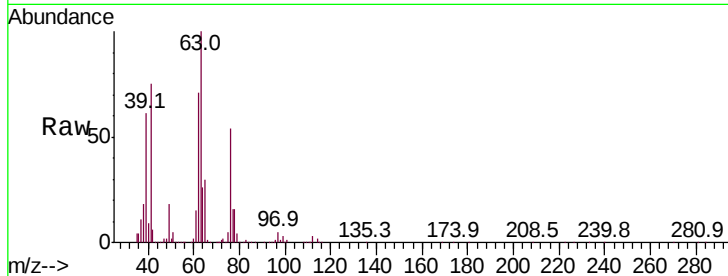


#39
 1,2-Dichloropropane
 Concen: 9.399 ppbv
 RT: 7.75 min Scan# 1497
 Delta R.T. 0.01 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1107506

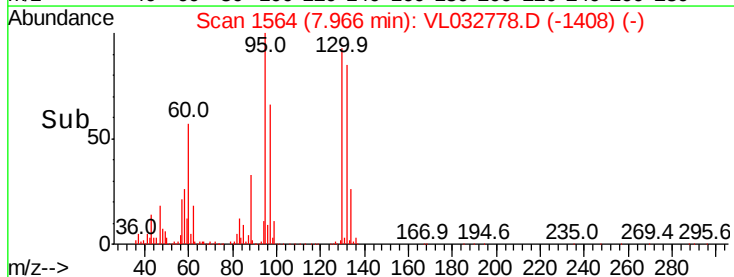
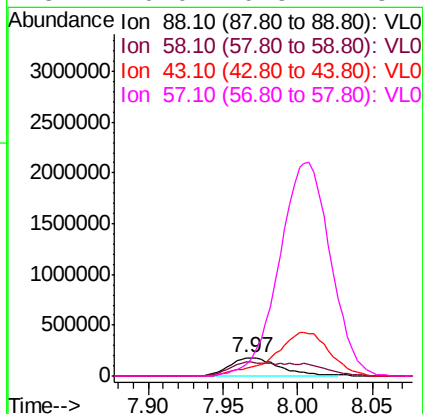
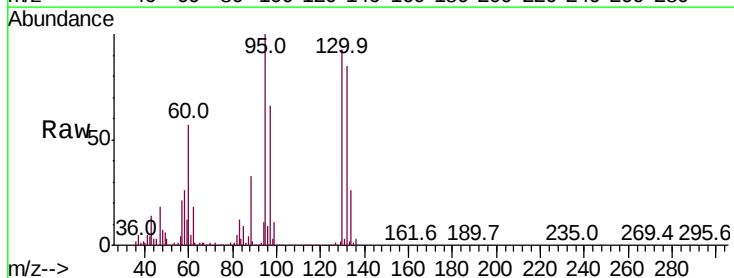
Ion	Ratio	Lower	Upper
63	100		
41	75.3	62.0	93.0
62	70.5	55.4	83.2

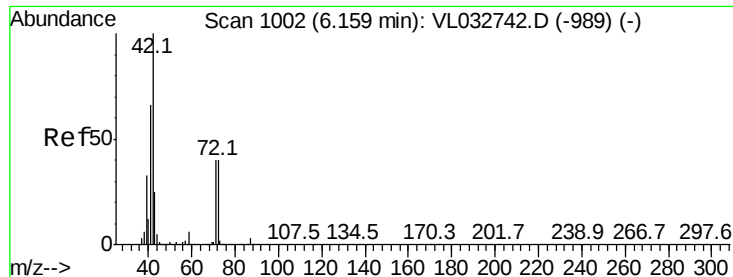


#40
 1,4-Dioxane
 Concen: 9.917 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion: 88 Resp: 417373

Ion	Ratio	Lower	Upper
88	100		
58	126.8	105.3	157.9
43	0.0	226.1	339.1#
57	0.0	1015.2	1522.8#

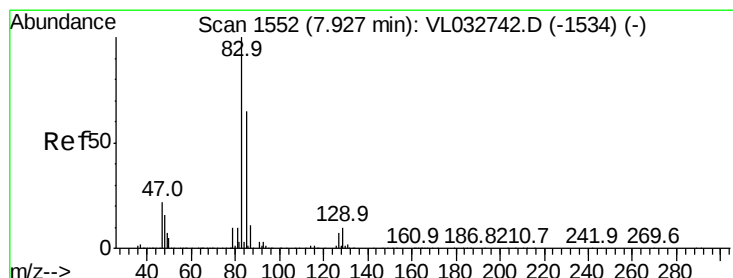
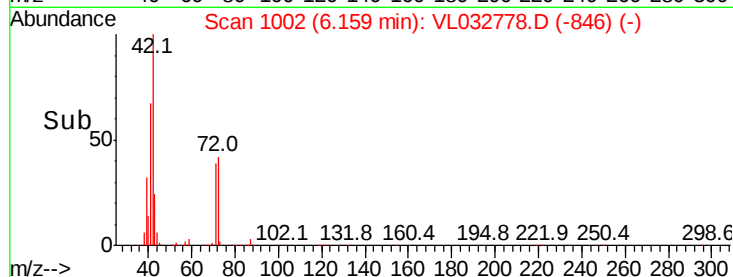
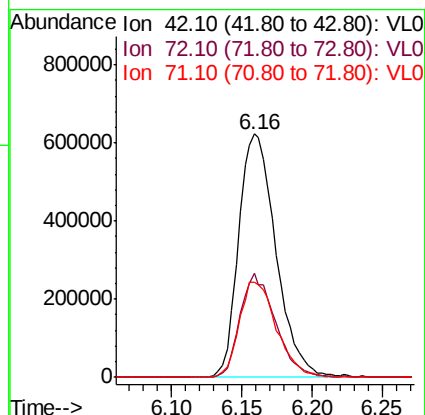
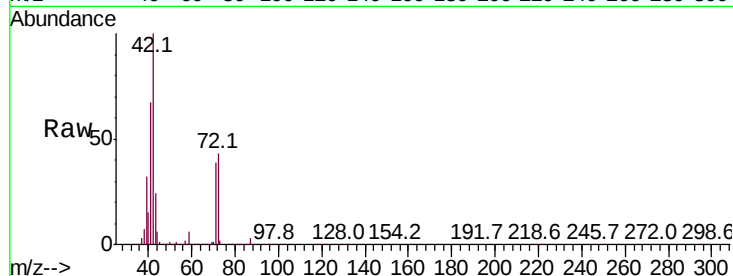




#41
Tetrahydrofuran
Concen: 9.976 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

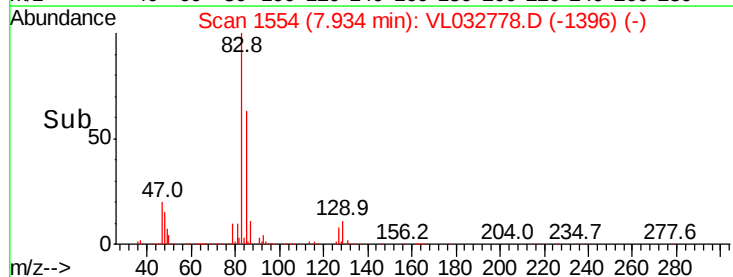
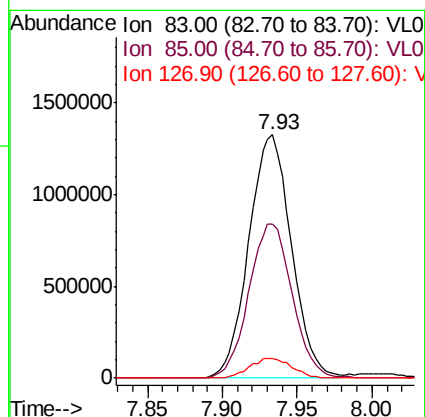
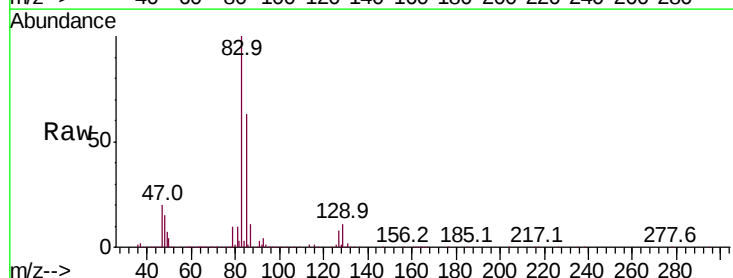
Instrument :
MSVOA_L
ClientSampled :

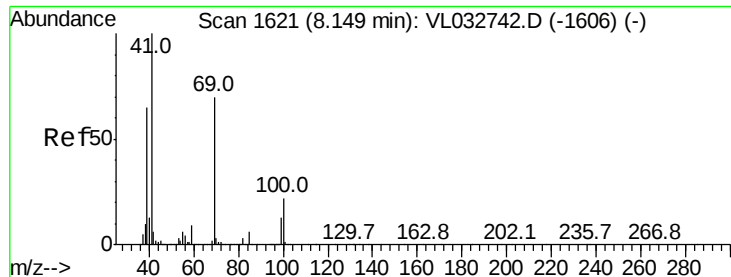
Tot Ion: 42 Resp: 1152630
Ion Ratio Lower Upper
42 100
72 40.9 32.4 48.6
71 39.5 31.6 47.4



#42
Bromodichloromethane
Concen: 9.299 ppbv
RT: 7.93 min Scan# 1554
Delta R.T. 0.01 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion: 83 Resp: 2624236
Ion Ratio Lower Upper
83 100
85 63.4 51.8 77.8
127 8.0 5.9 8.9

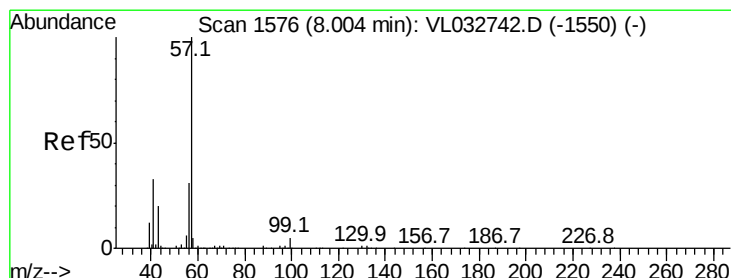
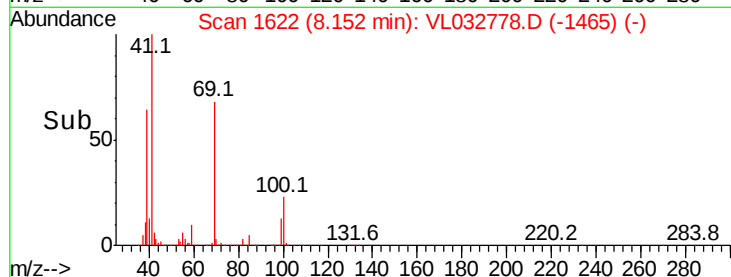
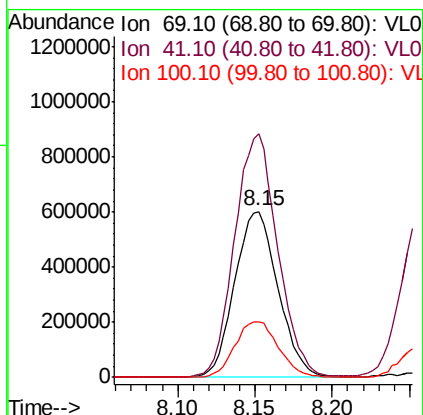
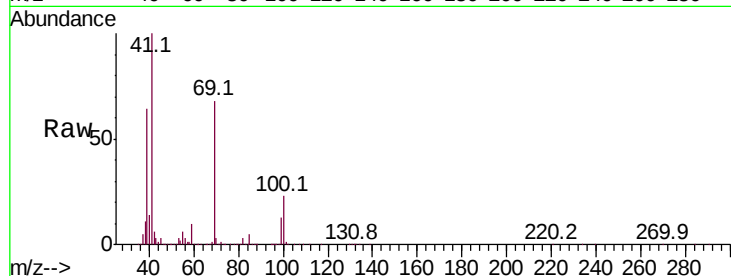




#43
Methvl Methacrilate
Concen: 10.091 ppbv
RT: 8.15 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

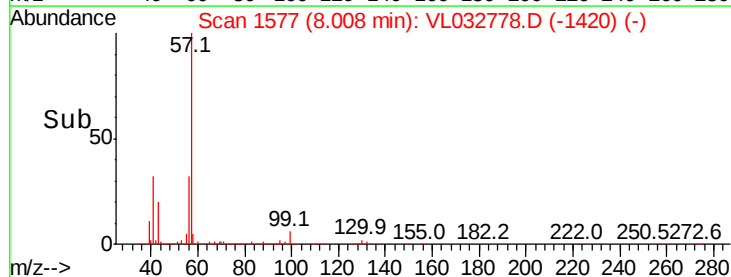
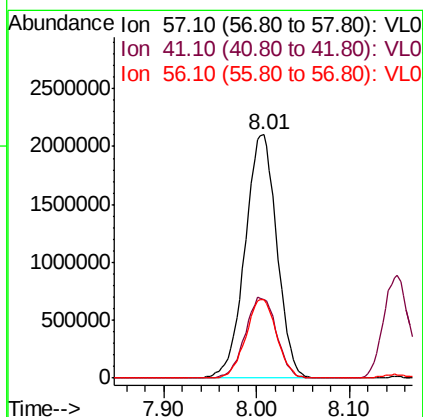
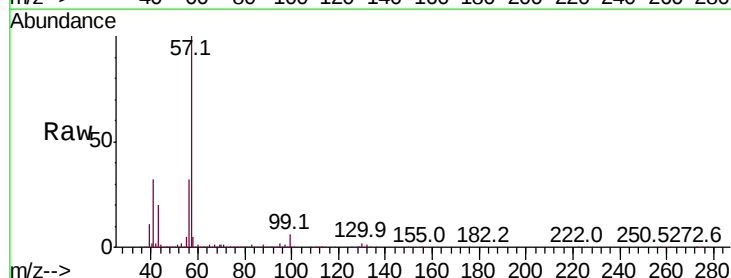
Instrument :
MSVOA_L
ClientSampled :

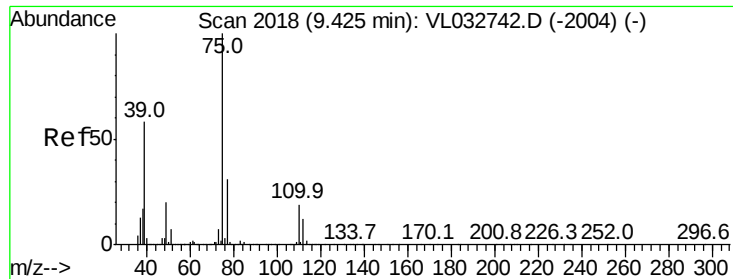
Tot Ion: 69 Resp: 1165050
Ion Ratio Lower Upper
69 100
41 146.8 115.0 172.4
100 34.0 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 9.667 ppbv
RT: 8.01 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion: 57 Resp: 4995869
Ion Ratio Lower Upper
57 100
41 32.9 26.6 39.8
56 31.2 24.8 37.2

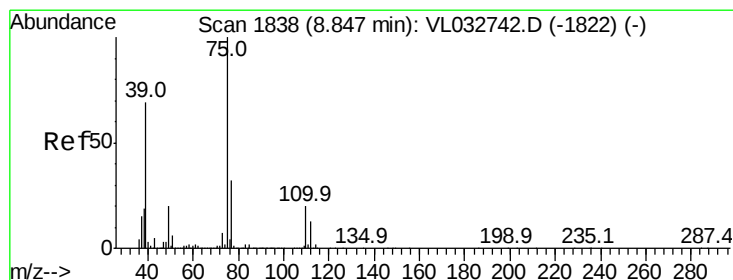
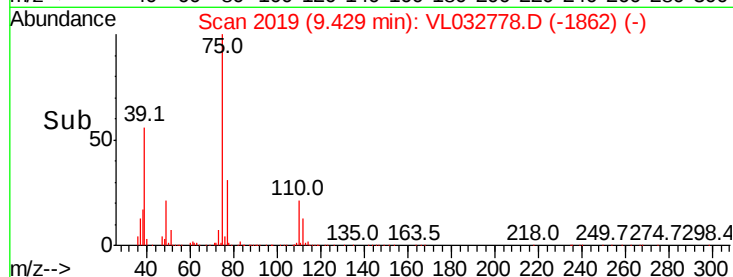
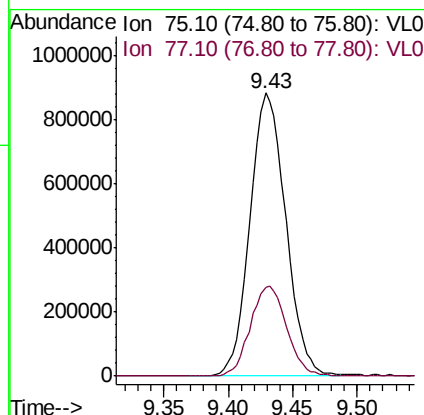
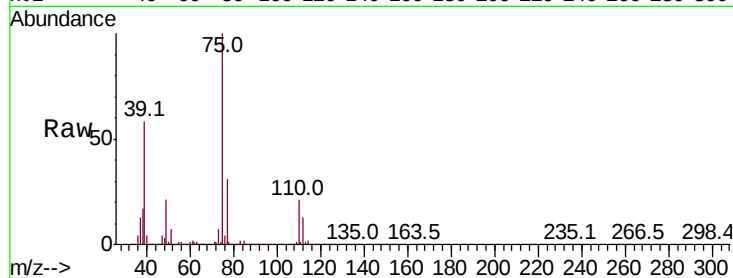




#45
 t-1,3-Dichloropropene
 Concen: 11.052 ppbv
 RT: 9.43 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

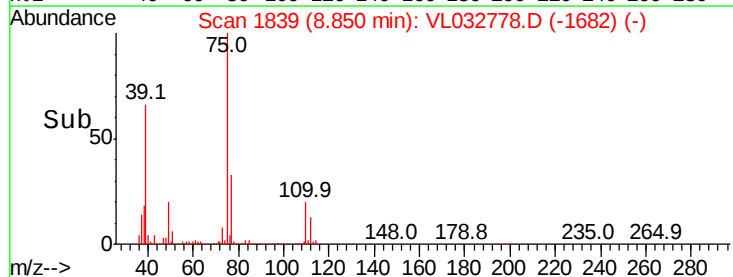
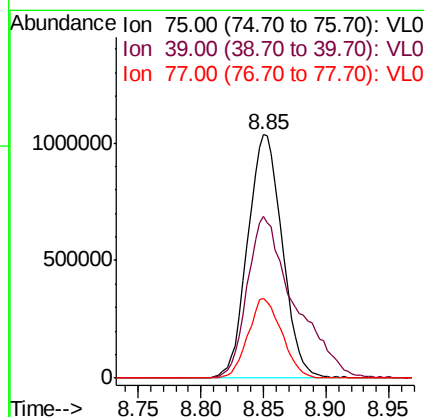
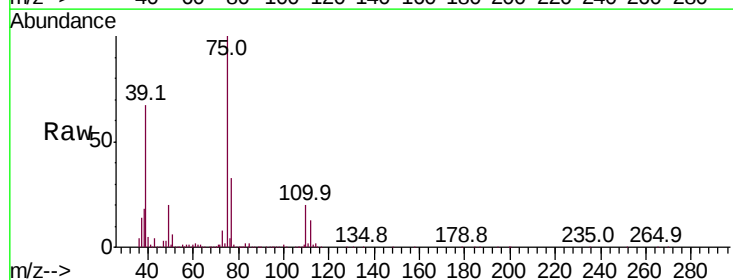
Instrument :
 MSVOA_L
 ClientSampleId :

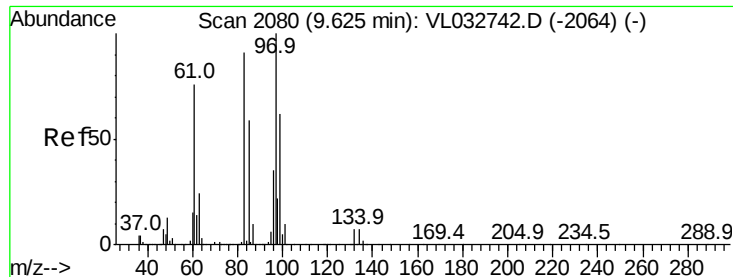
Tot Ion: 75 Resp: 1712120
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.6 36.8



#46
 cis-1,3-Dichloropropene
 Concen: 10.616 ppbv
 RT: 8.85 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion: 75 Resp: 1987035
 Ion Ratio Lower Upper
 75 100
 39 66.5 55.2 82.8
 77 32.9 25.8 38.6





#47

1,1,2-Trichloroethane

Concen: 9.539 ppbv

RT: 9.63 min Scan# 2081

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1328987

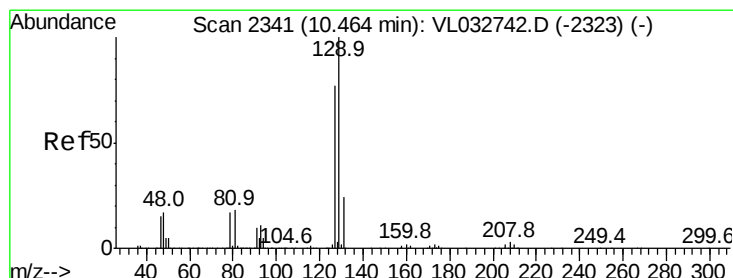
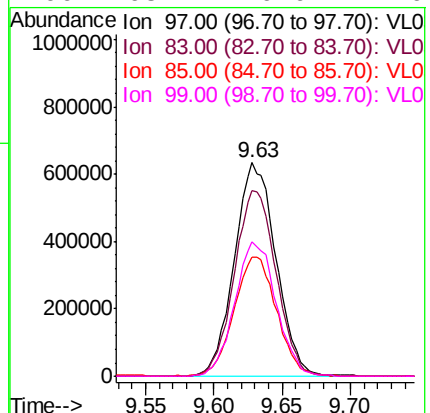
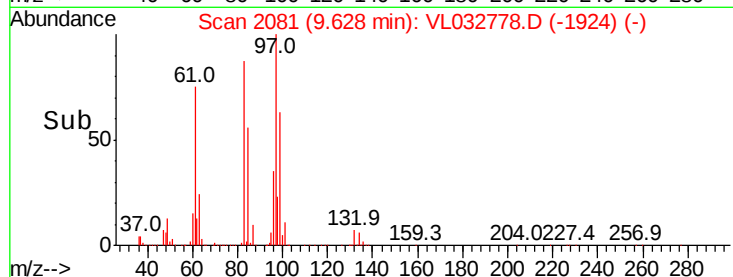
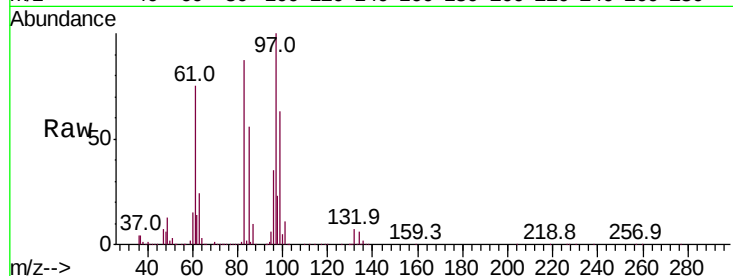
Ion	Ratio	Lower	Upper
97	100		
83	87.1	73.0	109.4
85	55.5	47.0	70.4
99	63.2	49.9	74.9

97 100

83 87.1 73.0 109.4

85 55.5 47.0 70.4

99 63.2 49.9 74.9



#48

Dibromochloromethane

Concen: 9.995 ppbv

RT: 10.47 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VL032778.D

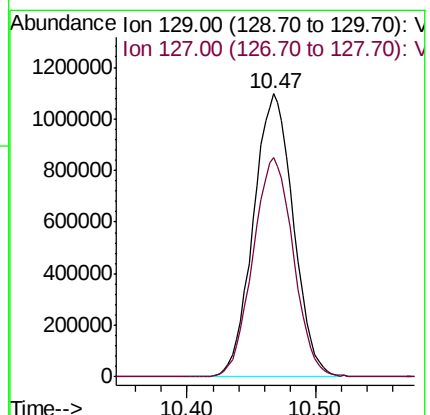
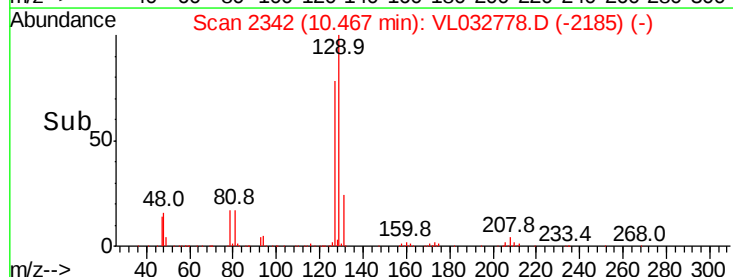
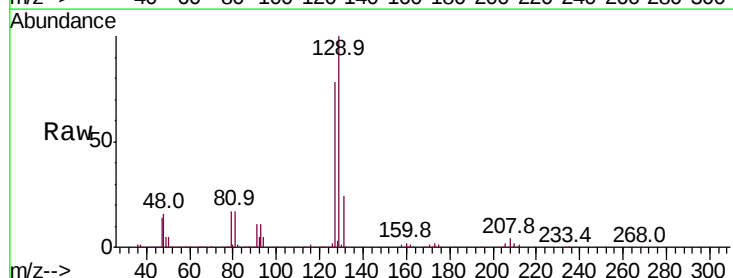
Acq: 20 Nov 2018 14:13

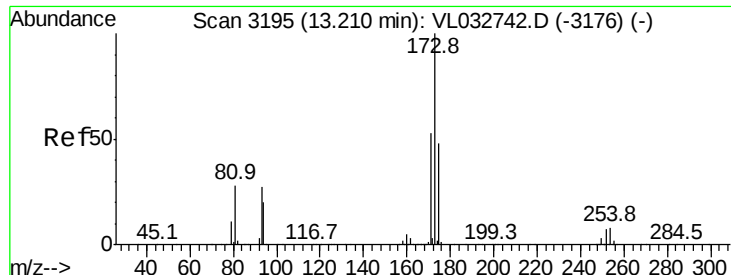
Tgt Ion: 129 Resp: 2366841

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.0	117.0

129 100

127 78.8 39.0 117.0





#49

Bromoform

Concen: 10.571 ppbv

RT: 13.22 min Scan# 3198

Delta R.T. 0.01 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

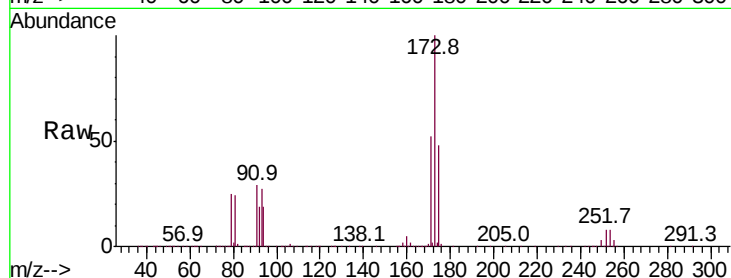
Tot Ion:173 Resp: 2067287

Ion Ratio Lower Upper

173 100

175 48.7 39.4 59.0

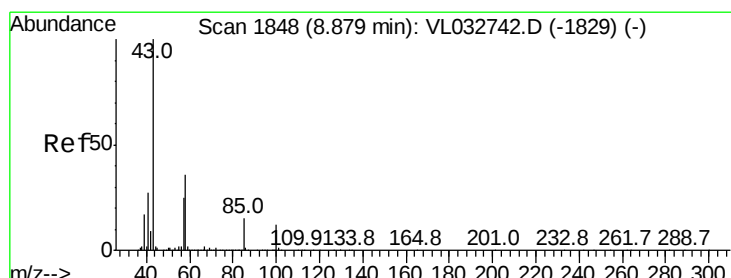
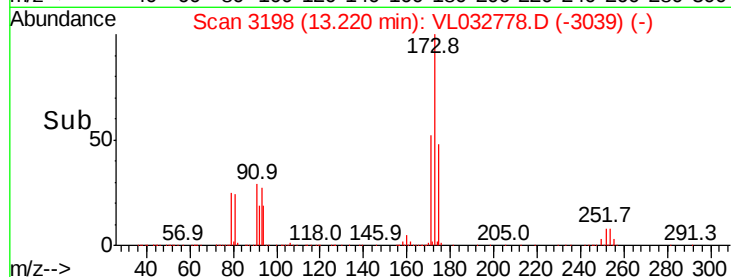
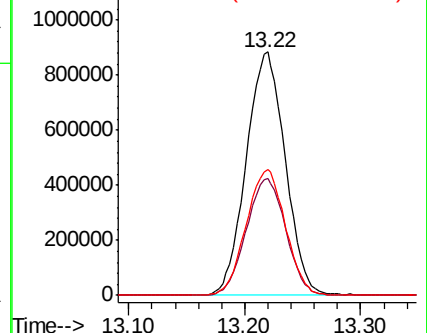
171 52.1 42.0 63.0



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: 9.592 ppbv

RT: 8.88 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VL032778.D

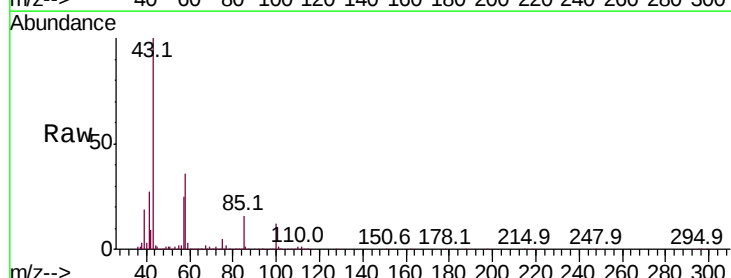
Acq: 20 Nov 2018 14:13

Tgt Ion: 43 Resp: 3017738

Ion Ratio Lower Upper

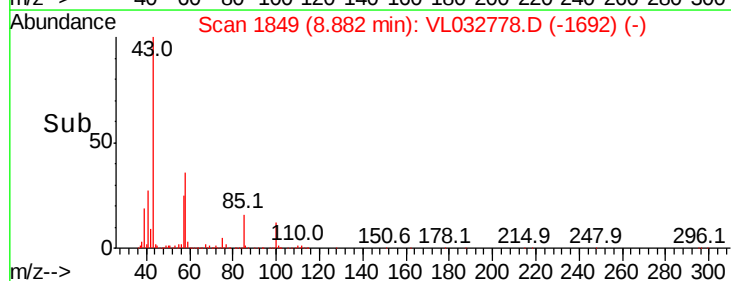
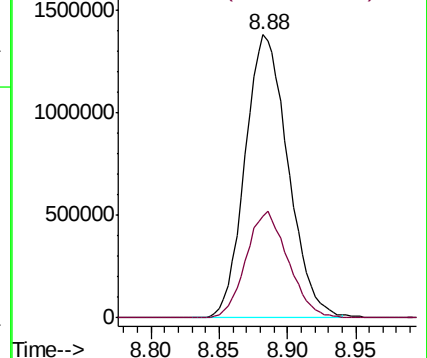
43 100

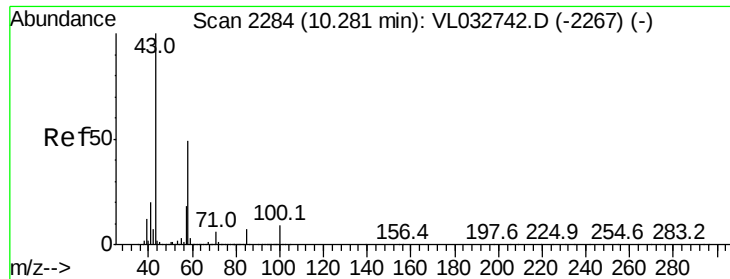
58 36.9 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

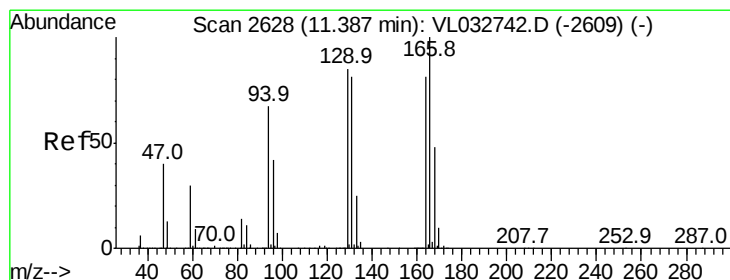
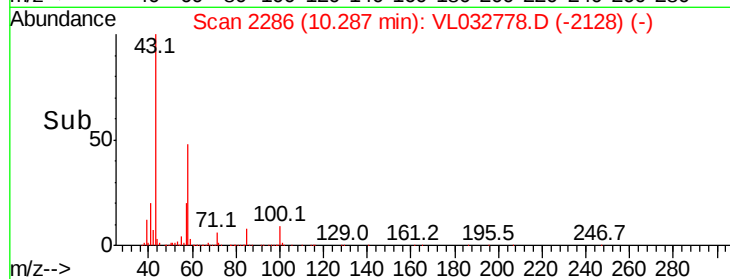
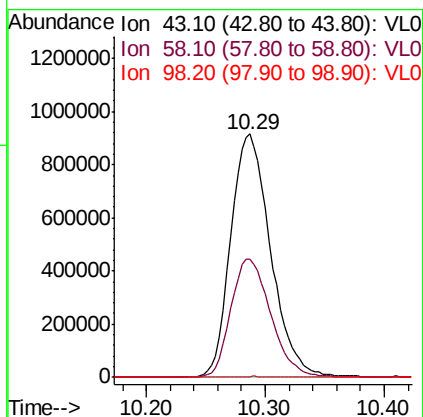
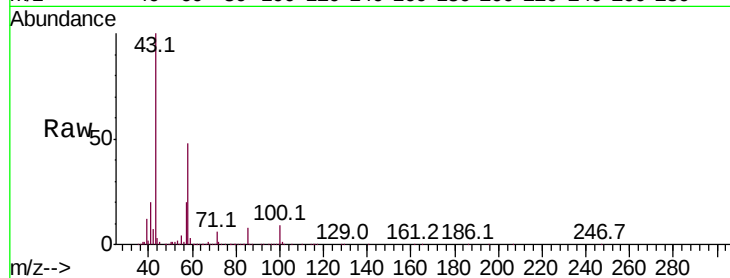




#51
2-Hexanone
Concen: 10.452 ppbv
RT: 10.29 min Scan# 2286
Delta R.T. 0.01 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

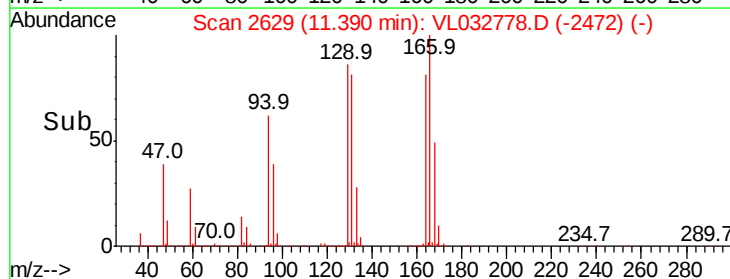
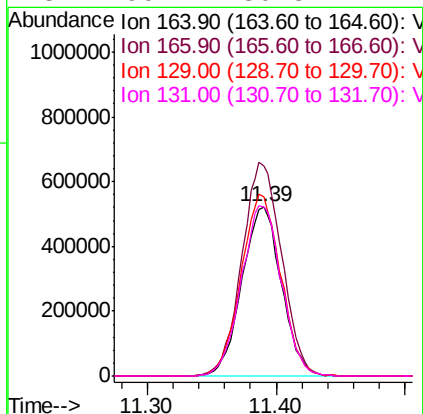
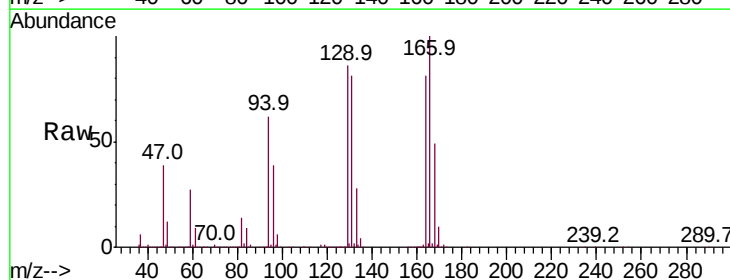
Instrument :
MSVOA_L
ClientSampleId :

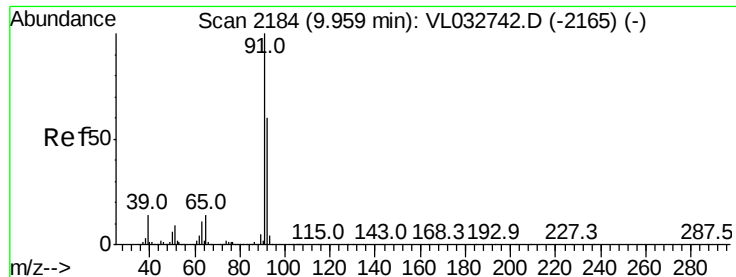
Tot Ion: 43 Resp: 2118528
Ion Ratio Lower Upper
43 100
58 49.0 38.9 58.3
98 0.5 0.2 0.4#



#52
Tetrachloroethene
Concen: 10.307 ppbv
RT: 11.39 min Scan# 2629
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion:164 Resp: 1108823
Ion Ratio Lower Upper
164 100
166 123.6 99.3 148.9
129 106.0 83.9 125.9
131 99.4 80.8 121.2





#53

Toluene

Concen: 10.998 ppbv

RT: 9.96 min Scan# 2185

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

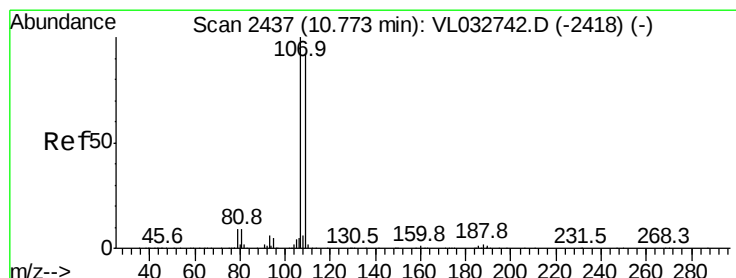
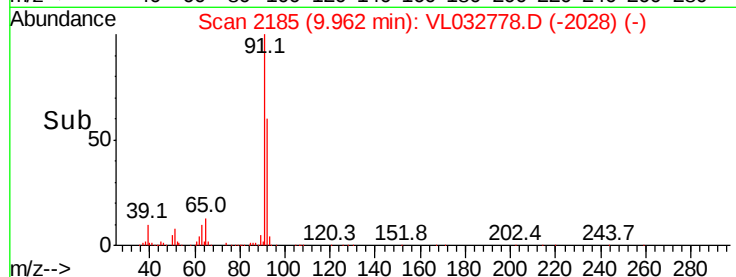
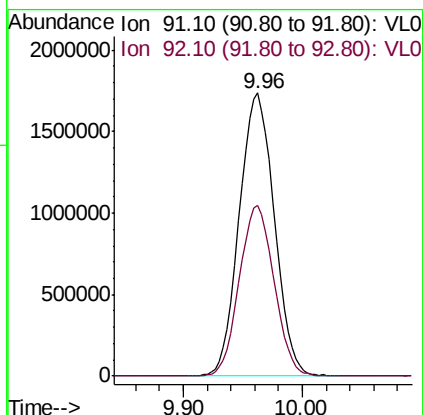
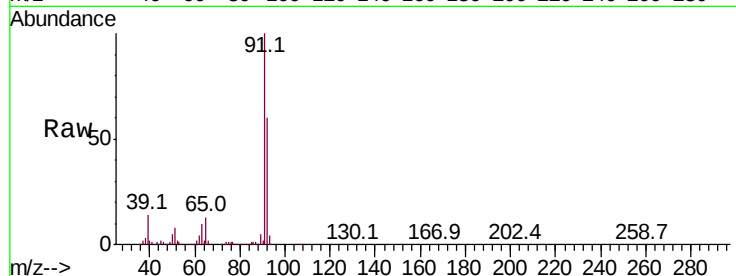
ClientSampleId :

Tot Ion: 91 Resp: 3548252

Ion Ratio Lower Upper

91 100

92 59.8 47.9 71.9



#54

1,2-Dibromoethane

Concen: 10.029 ppbv

RT: 10.78 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VL032778.D

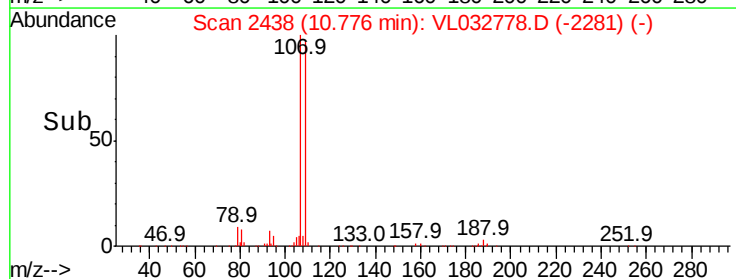
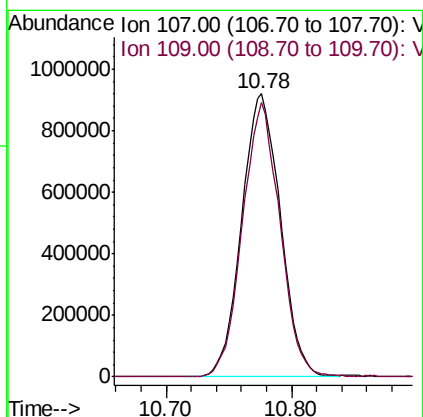
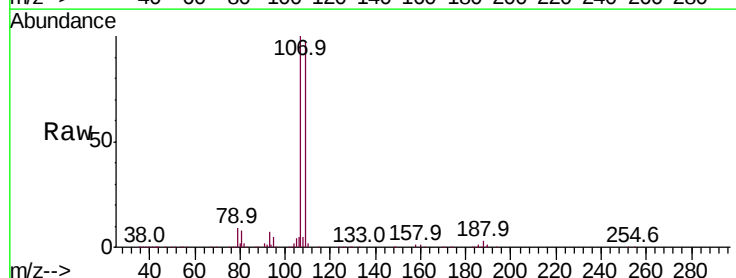
Acq: 20 Nov 2018 14:13

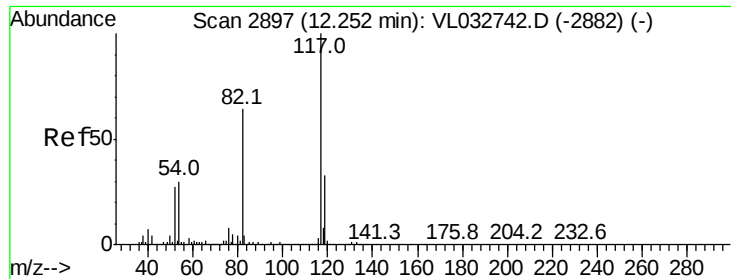
Tgt Ion: 107 Resp: 1975223

Ion Ratio Lower Upper

107 100

109 96.9 73.8 110.8

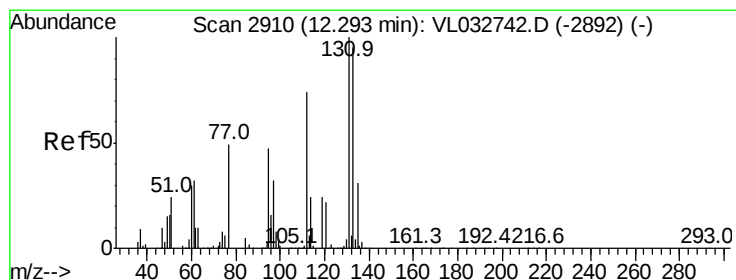
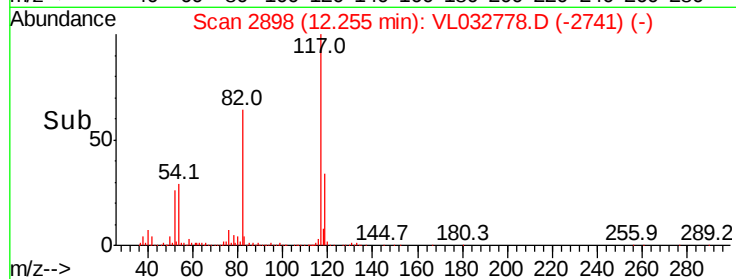
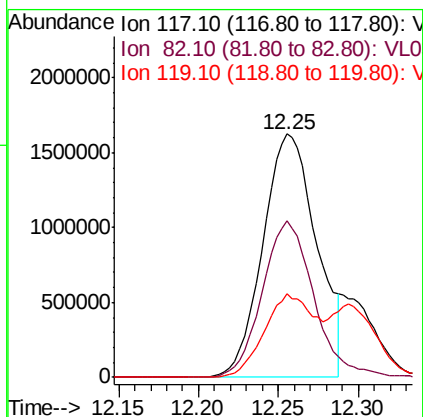
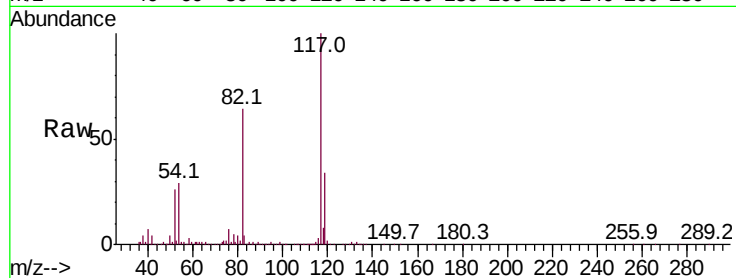




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

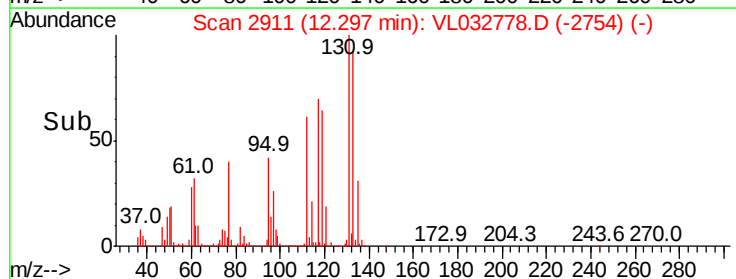
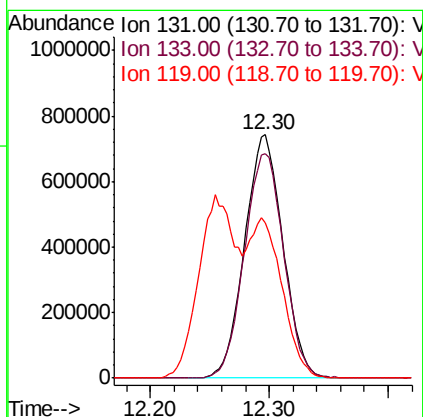
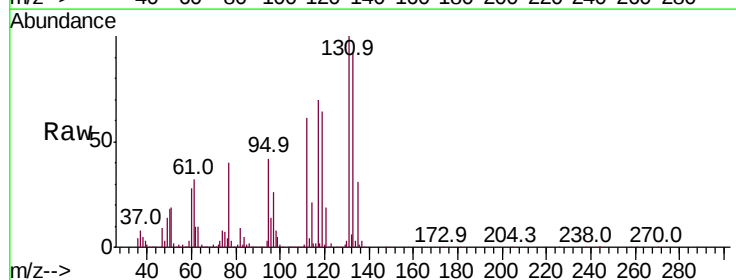
Instrument :
MSVOA_L
ClientSampleId :

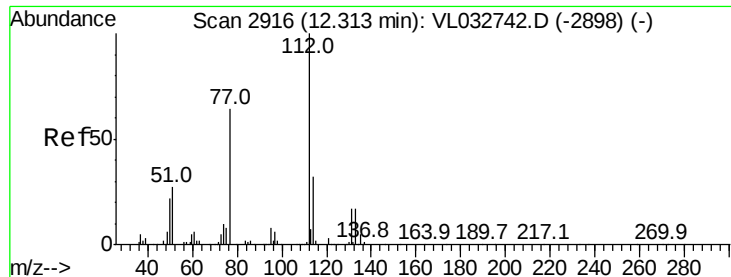
Tot Ion:117 Resp: 3794393
Ion Ratio Lower Upper
117 100
82 61.8 51.0 76.6
119 32.1 28.0 42.0



#56
1,1,1,2-Tetrachloroethane
Concen: 9.340 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion:131 Resp: 1653052
Ion Ratio Lower Upper
131 100
133 95.1 75.8 113.6
119 58.9 45.2 67.8





#57

Chlorobenzene

Concen: 9.305 ppbv

RT: 12.32 min Scan# 2918

Delta R.T. 0.01 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

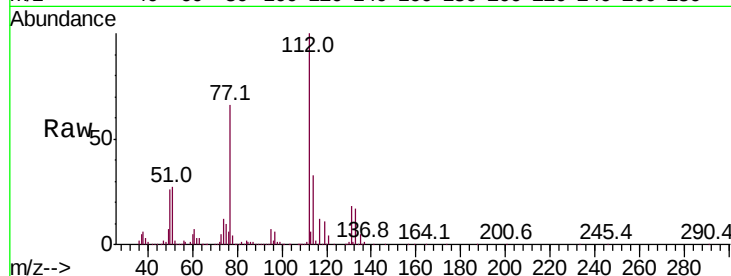
Tot Ion:112 Resp: 2702844

Ion	Ratio	Lower	Upper
112	100		
77	65.6	52.3	78.5
114	32.7	28.4	34.8

112 100

77 65.6 52.3 78.5

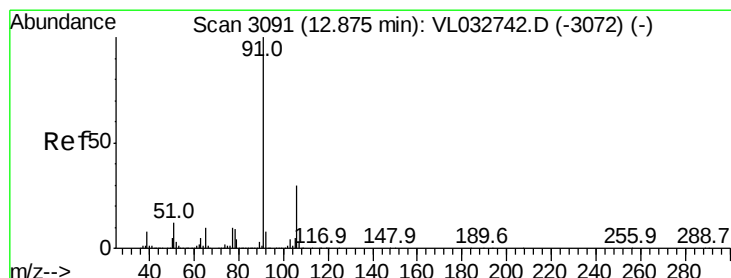
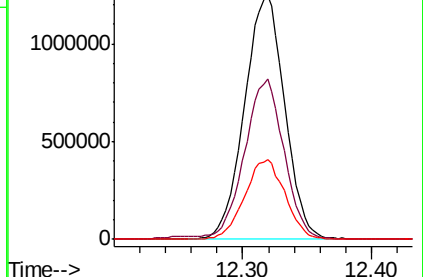
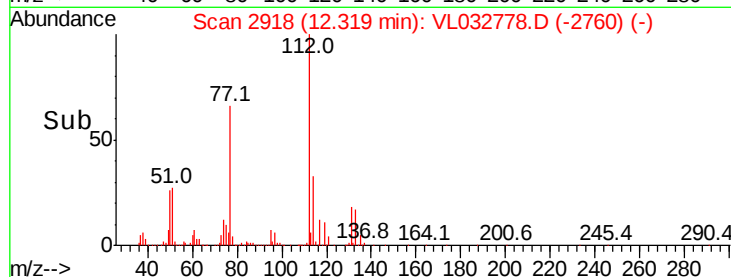
114 32.7 28.4 34.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.447 ppbv

RT: 12.88 min Scan# 3093

Delta R.T. 0.01 min

Lab File: VL032778.D

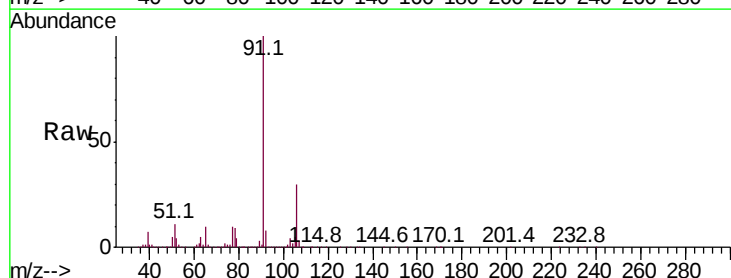
Acq: 20 Nov 2018 14:13

Tgt Ion: 91 Resp: 4770663

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.6	35.4

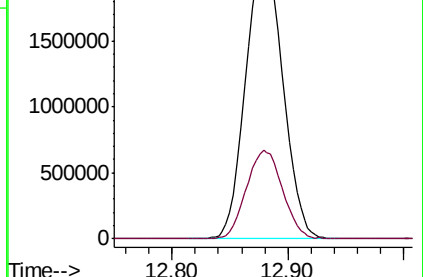
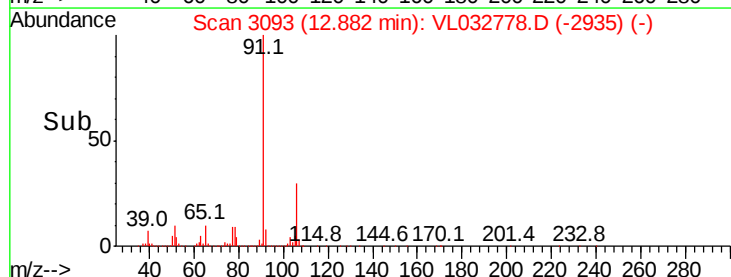
91 100

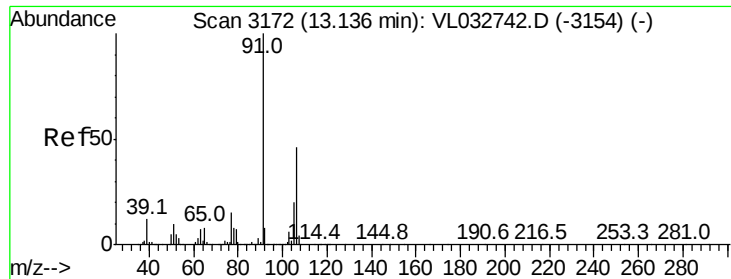
106 30.4 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 10.881 ppbv

RT: 13.14 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

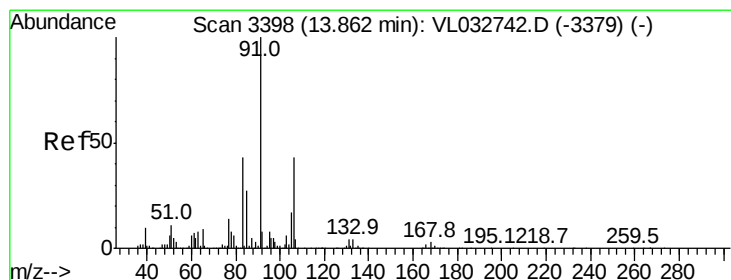
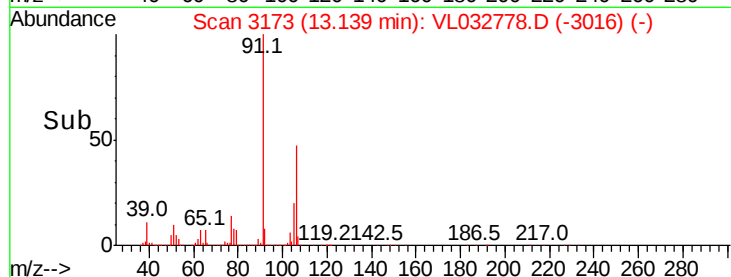
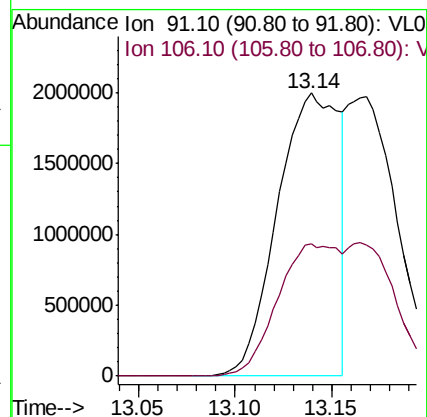
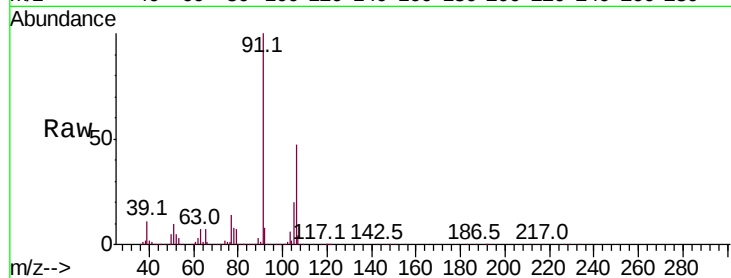
ClientSampleId :

Tot Ion: 91 Resp: 4423232

Ion Ratio Lower Upper

91 100

106 0.0 36.1 54.1#



#60

o-Xylene

Concen: 9.483 ppbv

RT: 13.87 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VL032778.D

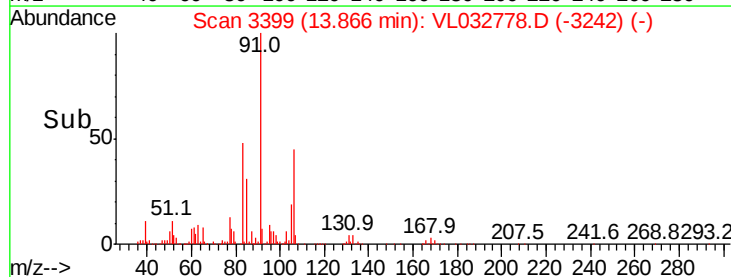
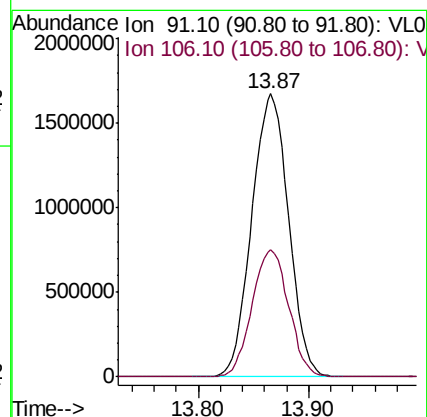
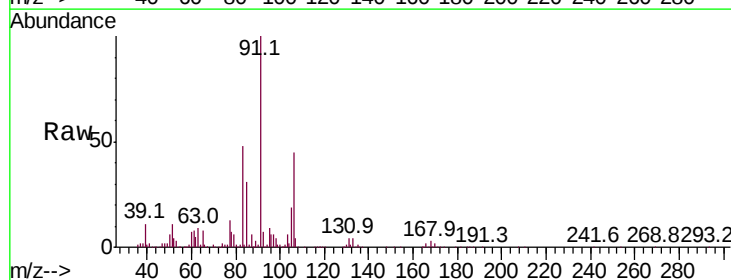
Acq: 20 Nov 2018 14:13

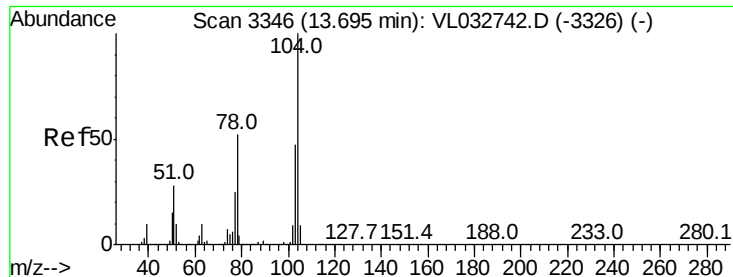
Tgt Ion: 91 Resp: 3875983

Ion Ratio Lower Upper

91 100

106 44.7 21.9 65.7





#61

Stvrene

Concen: 10.951 ppbv

RT: 13.70 min Scan# 3348

Delta R.T. 0.01 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

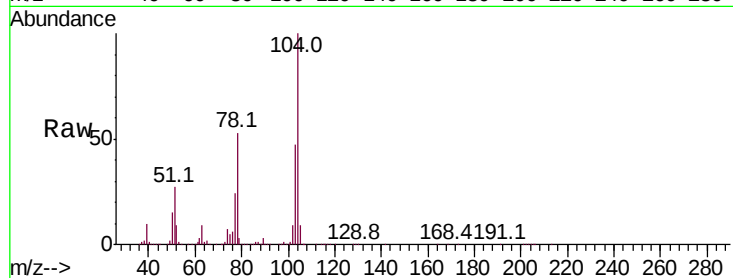
Tot Ion:104 Resp: 2913819

Ion Ratio Lower Upper

104 100

78 51.7 42.2 63.4

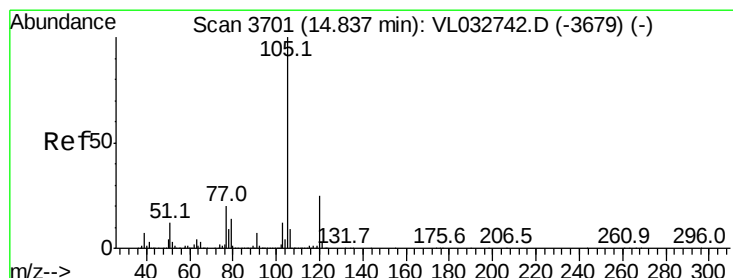
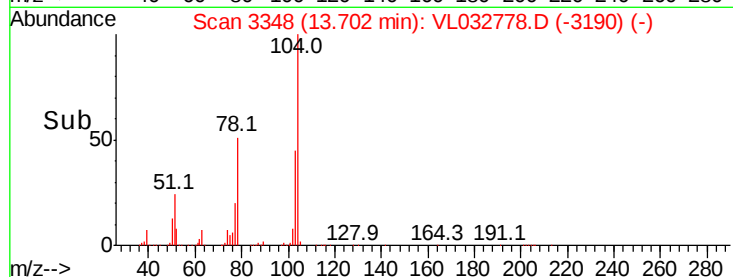
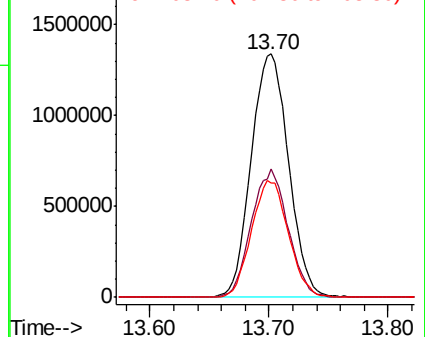
103 47.5 38.2 57.2



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: 10.182 ppbv

RT: 14.84 min Scan# 3703

Delta R.T. 0.01 min

Lab File: VL032778.D

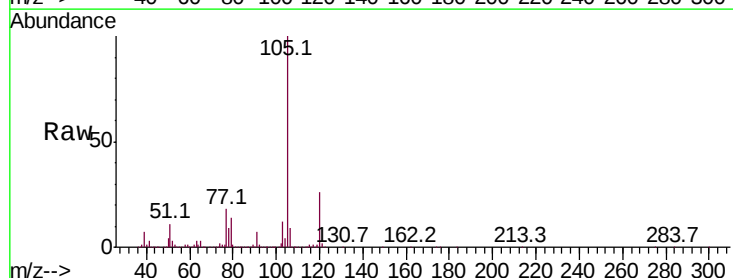
Acq: 20 Nov 2018 14:13

Tgt Ion:105 Resp: 5625658

Ion Ratio Lower Upper

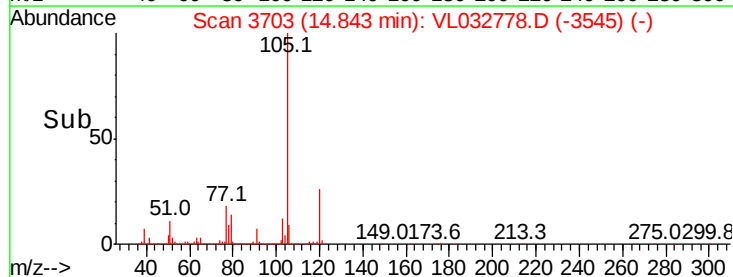
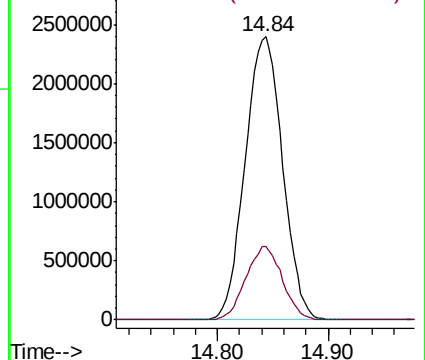
105 100

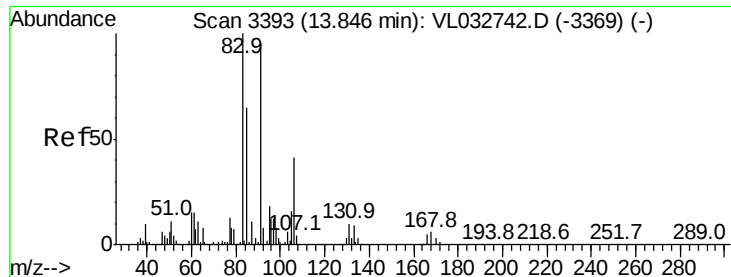
120 25.2 20.1 30.1



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: 8.306 ppbv

RT: 13.85 min Scan# 3395

Delta R.T. 0.01 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

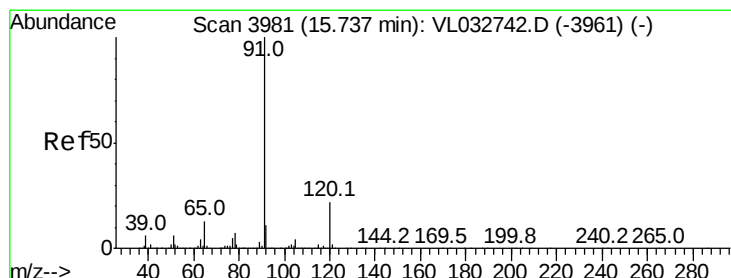
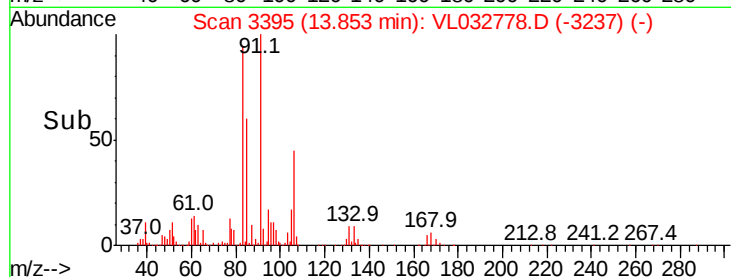
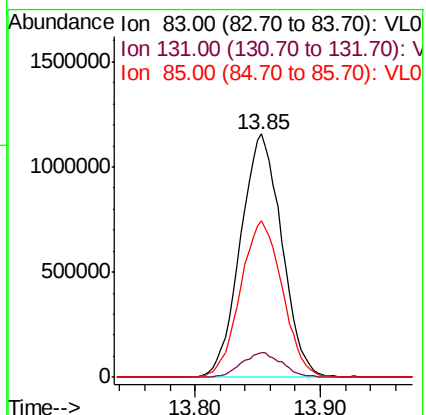
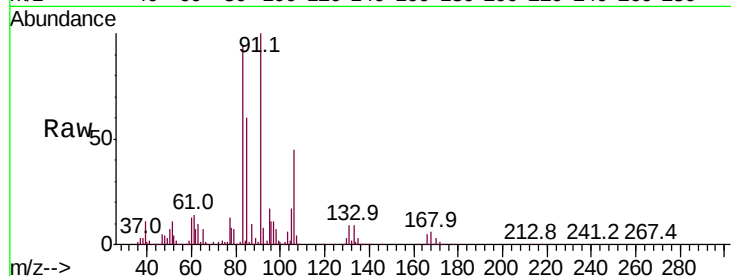
Tot Ion: 83 Resp: 2646575

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.7	14.1
85	65.7	32.5	97.4

83 100

131 10.1 4.7 14.1

85 65.7 32.5 97.4



#64

n-propylbenzene

Concen: 9.825 ppbv

RT: 15.74 min Scan# 3981

Delta R.T. 0.00 min

Lab File: VL032778.D

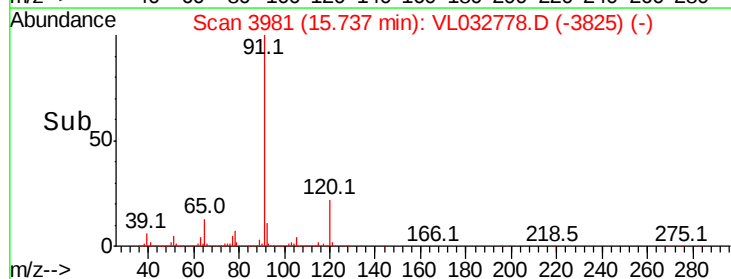
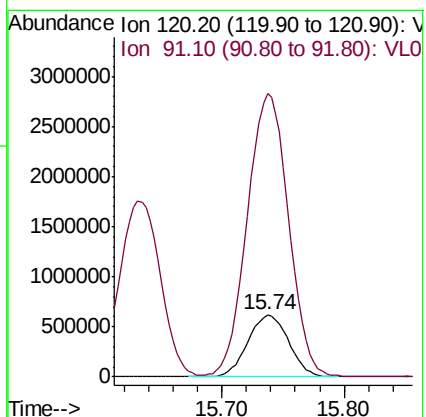
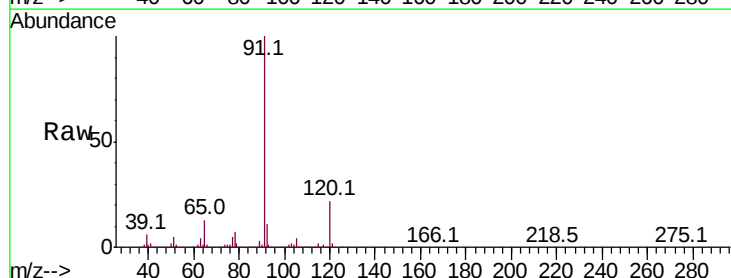
Acq: 20 Nov 2018 14:13

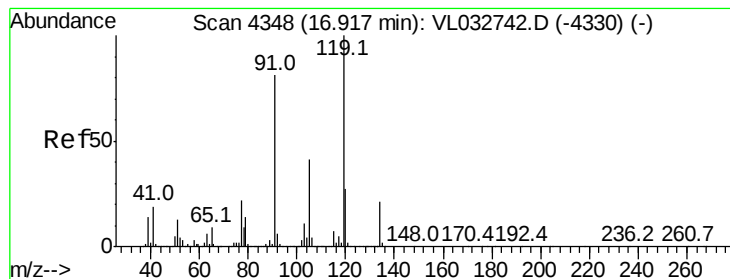
Tgt Ion:120 Resp: 1427820

Ion	Ratio	Lower	Upper
120	100		
91	463.4	381.7	572.5

120 100

91 463.4 381.7 572.5





#65

tert-Butylbenzene

Concen: 10.066 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. 0.01 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampled :

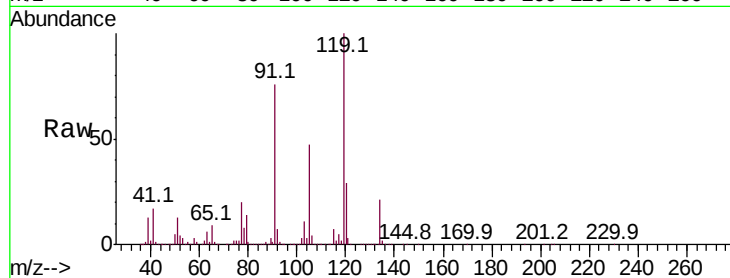
Tot Ion:119 Resp: 4985403

Ion Ratio Lower Upper

119 100

91 78.7 65.6 98.4

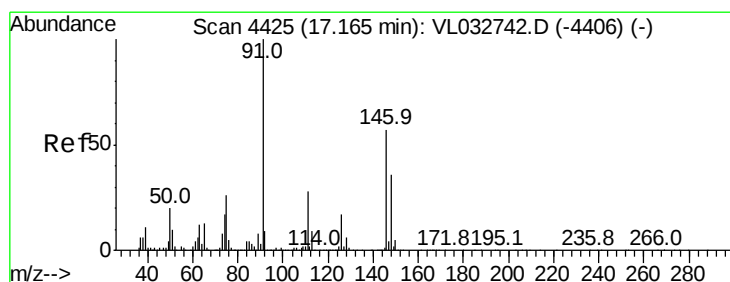
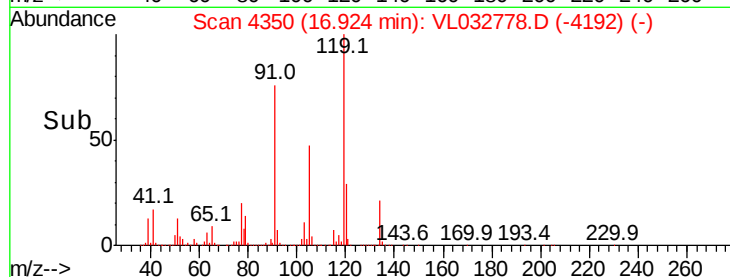
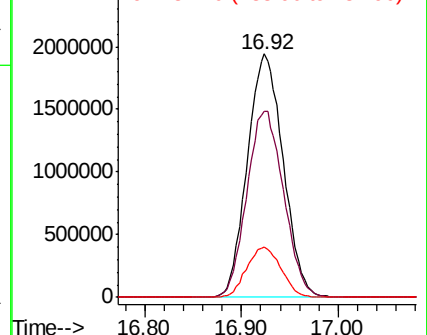
134 20.0 15.9 23.9



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: 9.878 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. 0.01 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

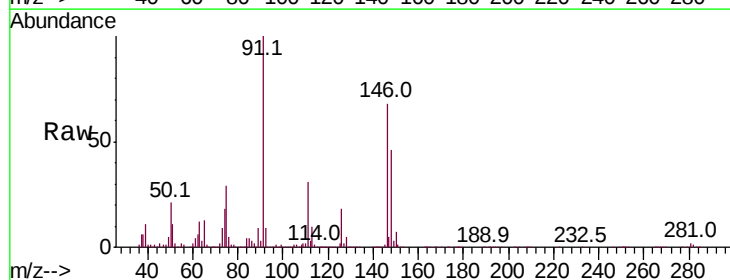
Tgt Ion: 91 Resp: 2704597

Ion Ratio Lower Upper

91 100

126 18.3 14.2 21.2

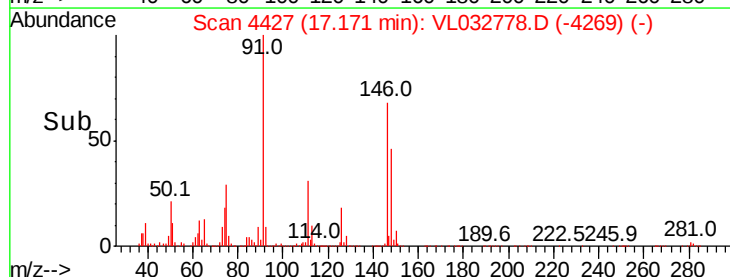
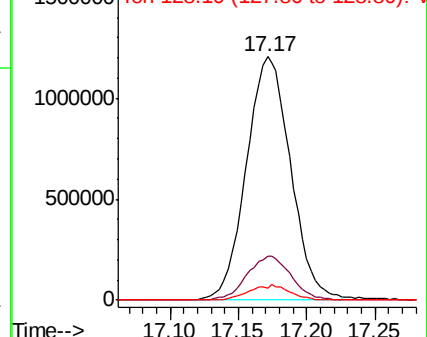
128 5.8 4.5 6.7

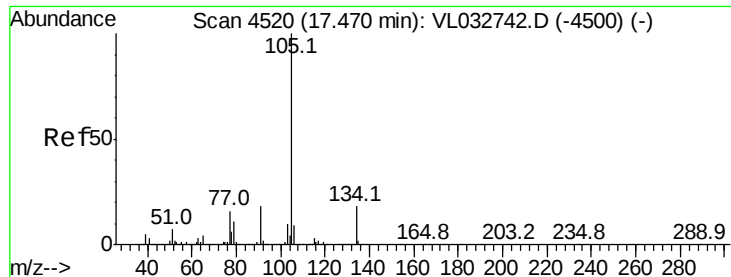


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.657 ppbv

RT: 17.48 min Scan# 4522

Delta R.T. 0.01 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

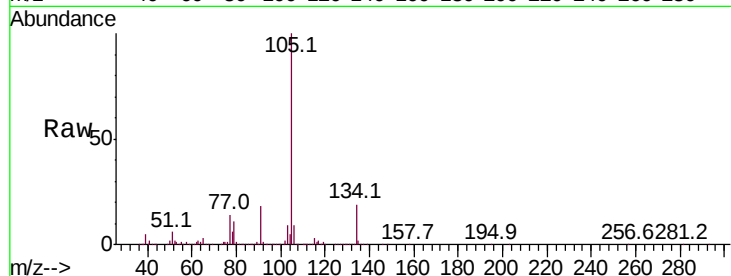
ClientSampleId :

Tot Ion:105 Resp: 6892674

Ion Ratio Lower Upper

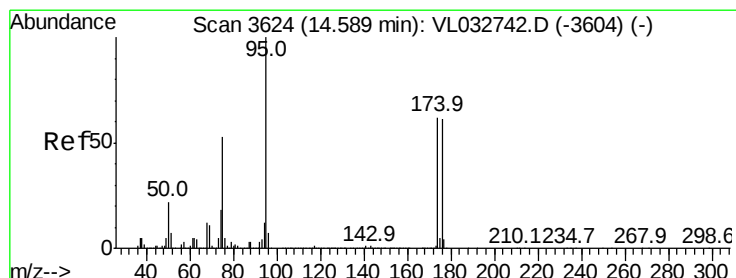
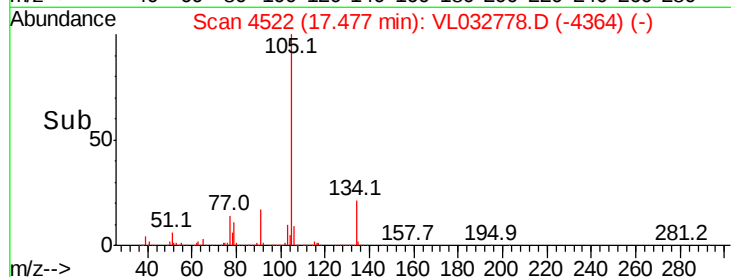
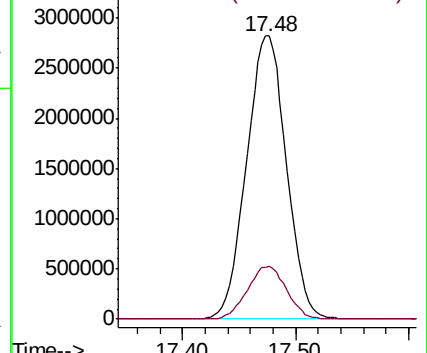
105 100

134 18.5 14.6 21.8



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: 9.424 ppbv

RT: 14.59 min Scan# 3625

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

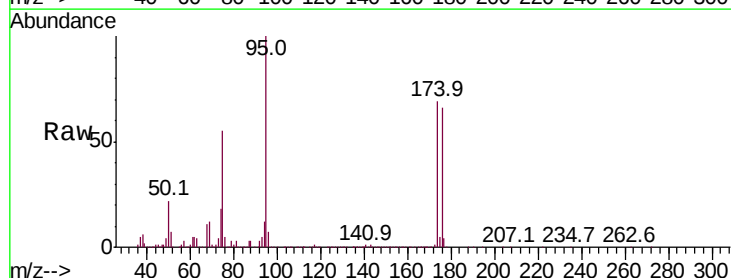
Tgt Ion: 95 Resp: 2674487

Ion Ratio Lower Upper

95 100

174 67.6 50.7 76.1

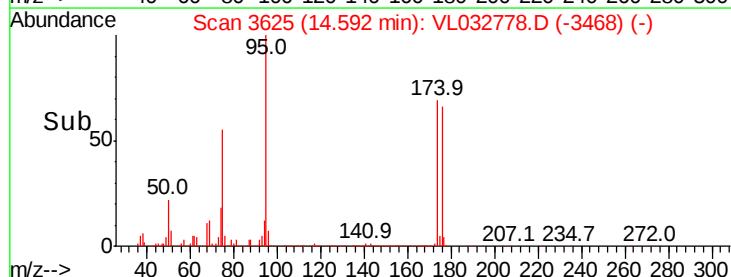
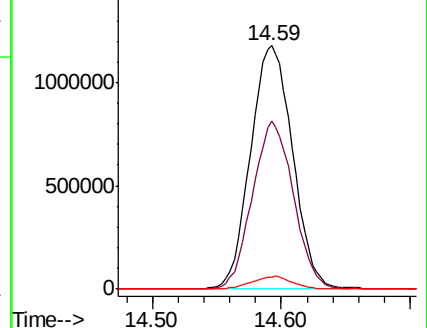
175 5.1 3.8 5.6

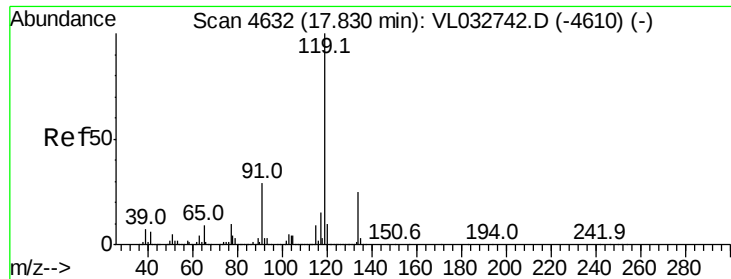


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

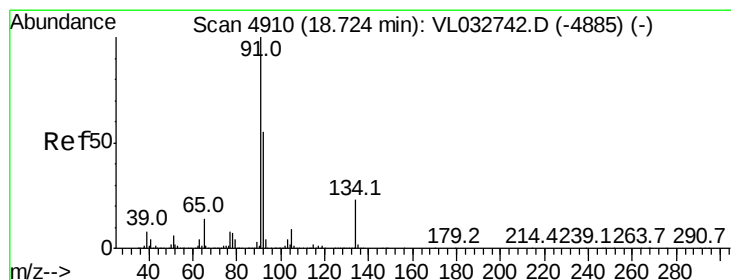
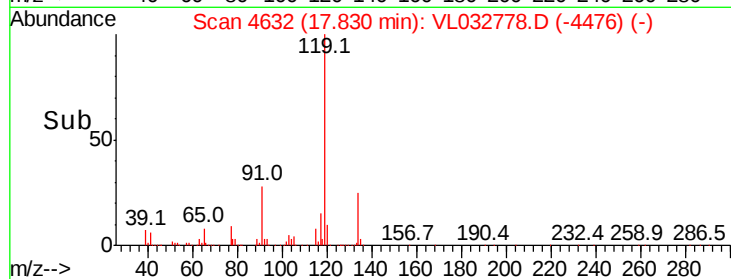
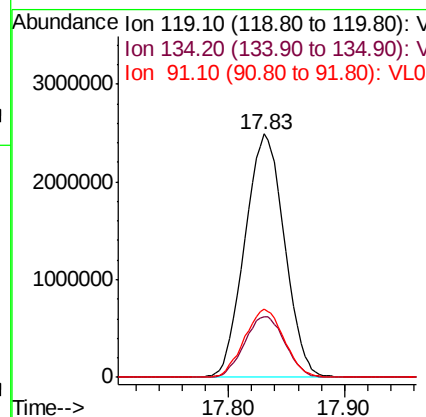
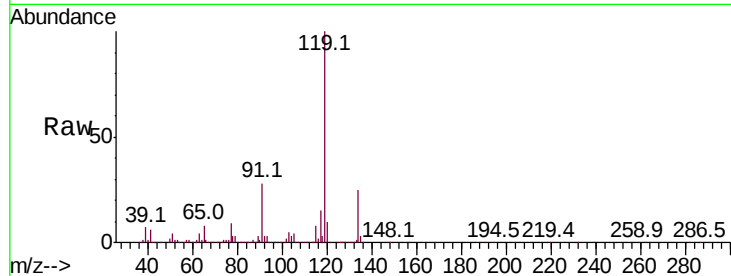




#69
 p-Isopropyltoluene
 Concen: 10.401 ppbv
 RT: 17.83 min Scan# 4632
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

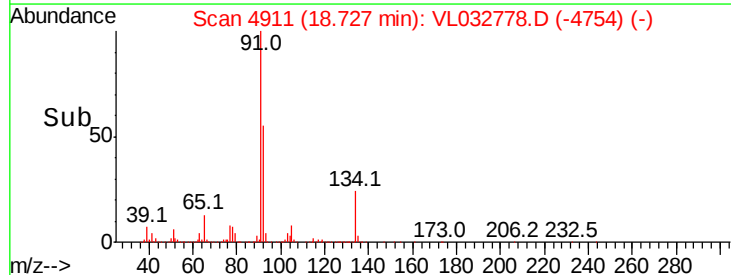
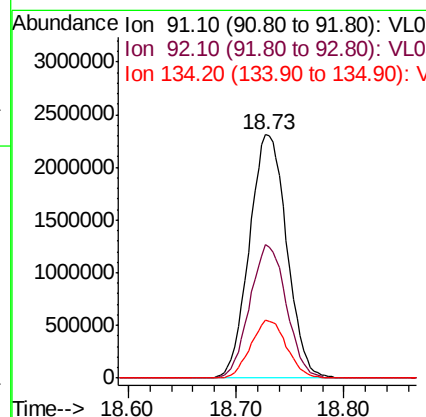
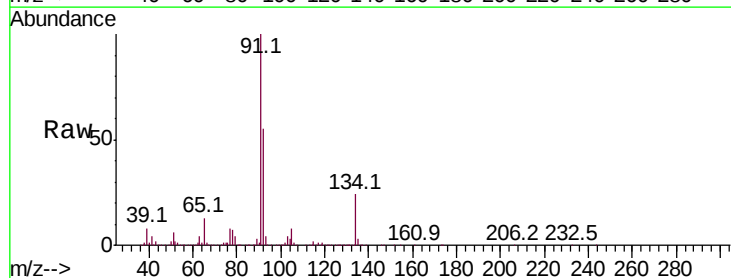
Instrument :
 MSVOA_L
 ClientSampleId :

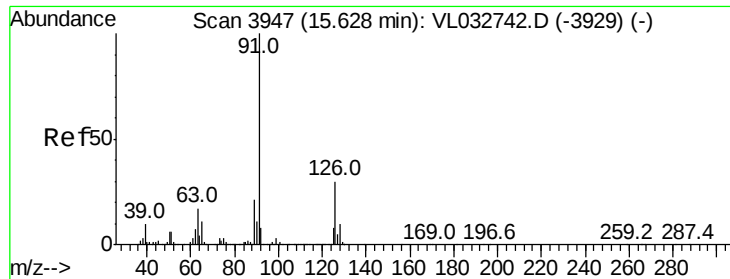
Tot Ion:119 Resp: 5902937
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.2 30.4
 91 28.1 23.5 35.3



#70
 n-Butylbenzene
 Concen: 9.623 ppbv
 RT: 18.73 min Scan# 4911
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion: 91 Resp: 5545405
 Ion Ratio Lower Upper
 91 100
 92 53.8 42.9 64.3
 134 23.1 17.8 26.8





#71

2-Chlorotoluene

Concen: 9.869 ppbv

RT: 15.63 min Scan# 3948

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

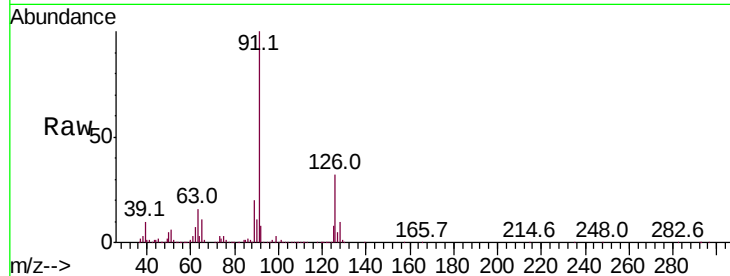
ClientSampleId :

Tot Ion: 91 Resp: 4066220

Ion Ratio Lower Upper

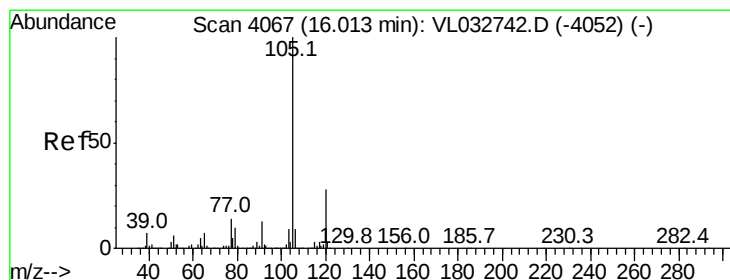
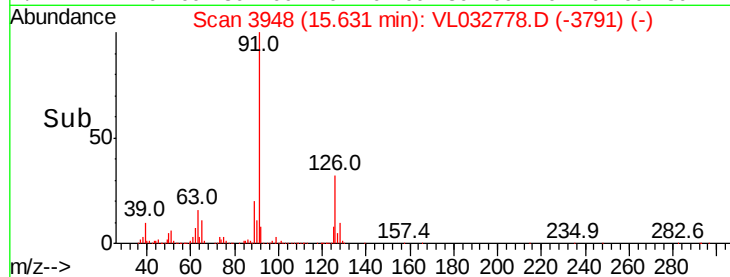
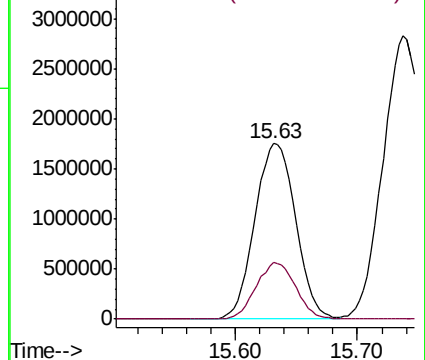
91 100

126 31.4 12.1 48.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.063 ppbv

RT: 16.02 min Scan# 4068

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Tgt Ion:105 Resp: 4508619

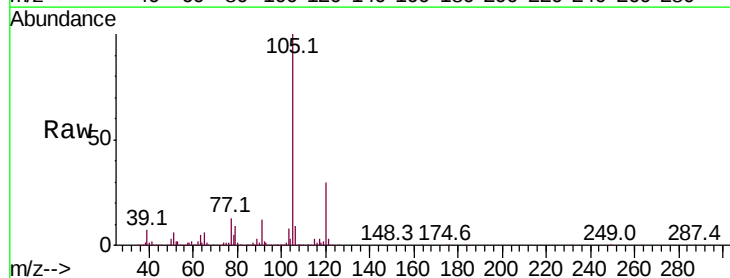
Ion Ratio Lower Upper

105 100

120 29.3 22.9 34.3

91 12.7 10.6 15.8

77 13.3 11.4 17.2

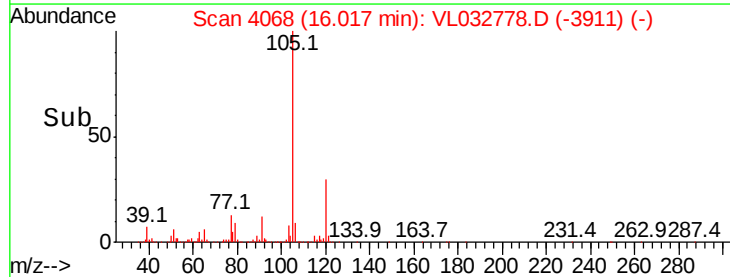
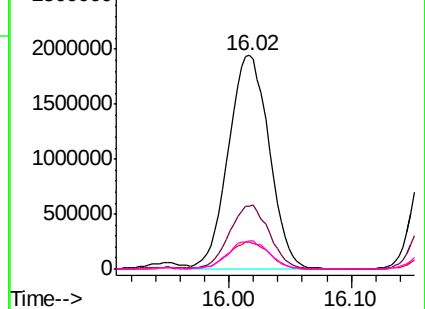


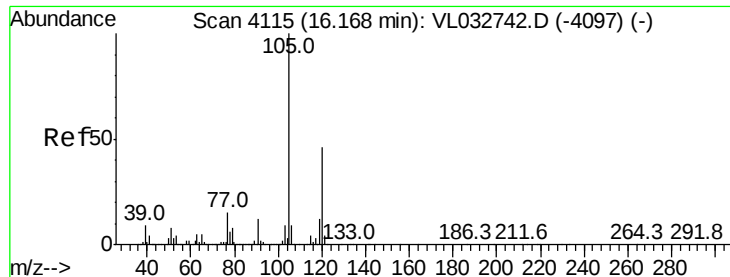
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.780 ppbv

RT: 16.17 min Scan# 4117

Delta R.T. 0.01 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

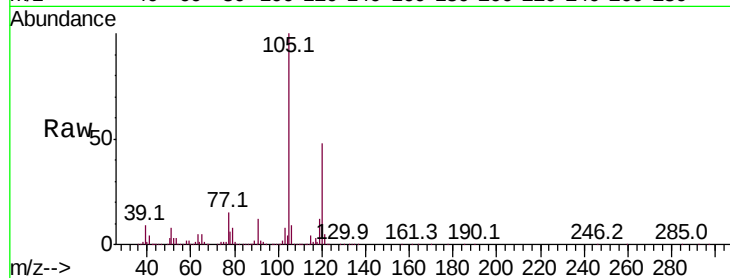
ClientSampleId :

Tot Ion:105 Resp: 4283871

Ion Ratio Lower Upper

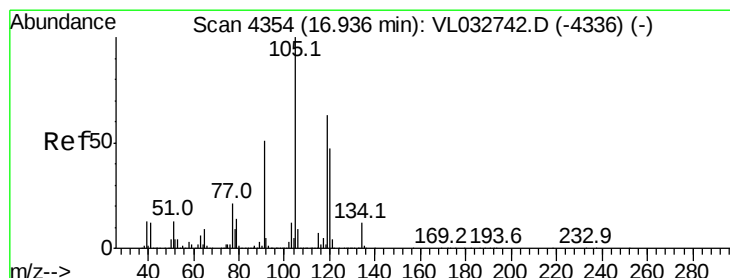
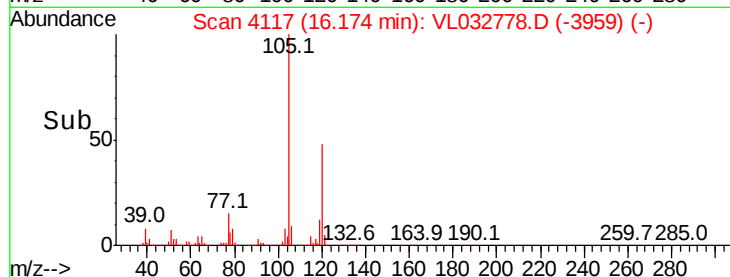
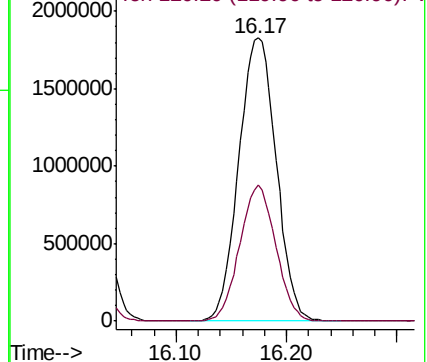
105 100

120 48.0 36.6 55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.385 ppbv

RT: 16.94 min Scan# 4355

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Tgt Ion:105 Resp: 4399175

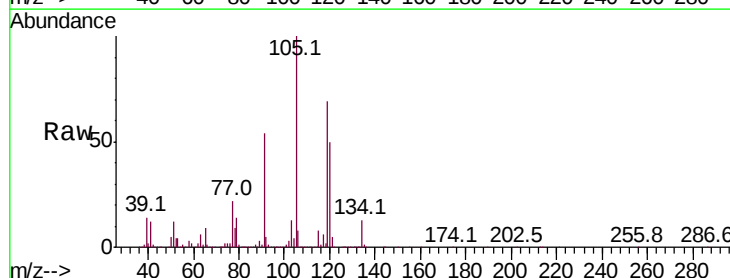
Ion Ratio Lower Upper

105 100

120 49.7 37.6 56.4

91 54.4 42.5 63.7

77 22.1 17.4 26.2

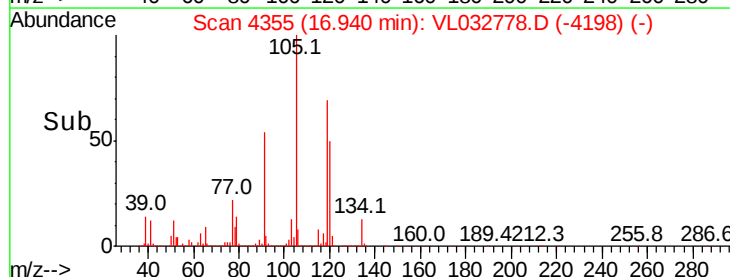
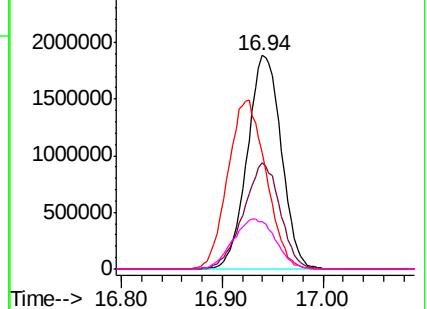


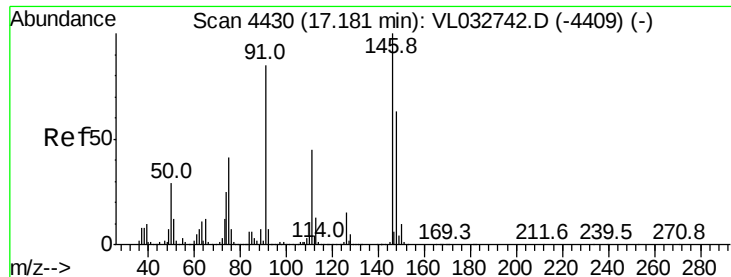
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 9.150 ppbv

RT: 17.18 min Scan# 4430

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

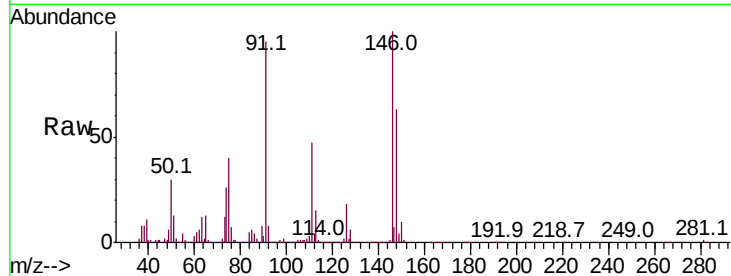
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 2460159

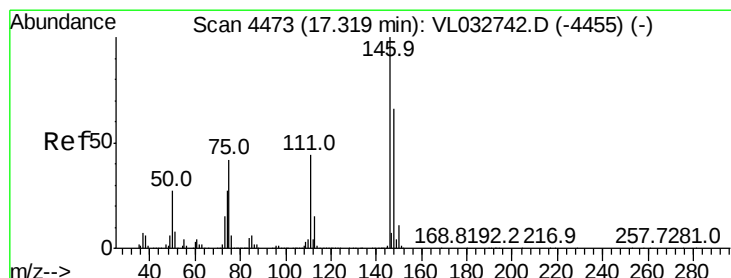
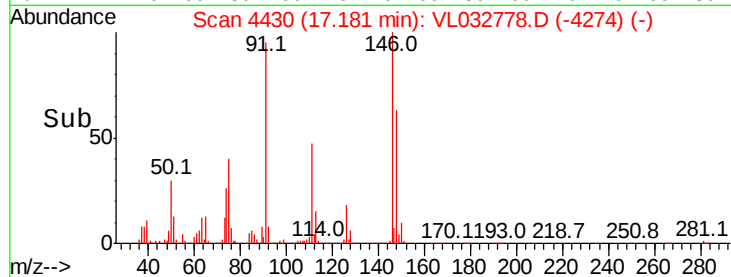
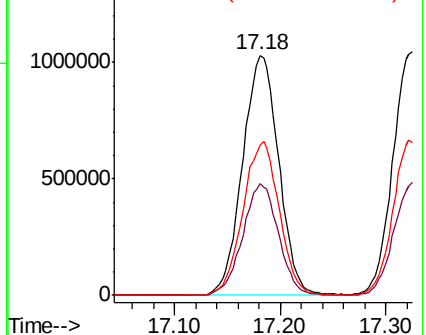
Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.5	70.6
148	64.4	31.8	95.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.561 ppbv

RT: 17.33 min Scan# 4475

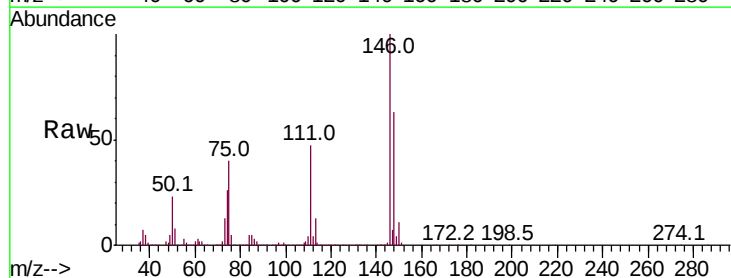
Delta R.T. 0.01 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Tgt Ion:146 Resp: 2401244

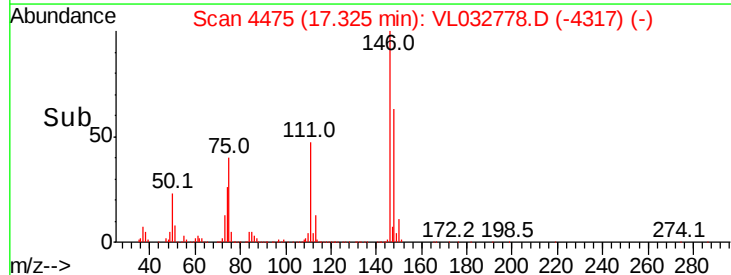
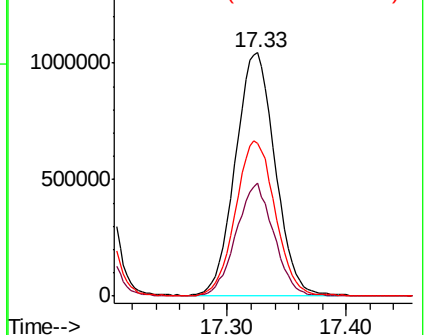
Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.5	67.5
148	64.3	32.5	97.5

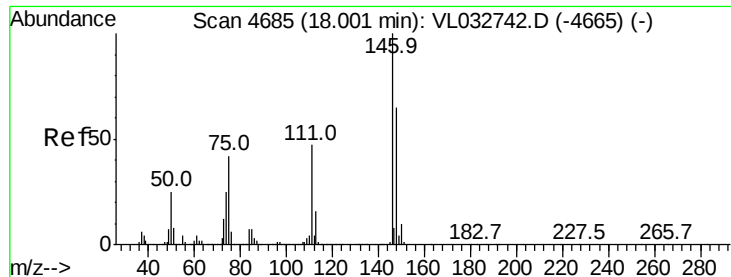


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

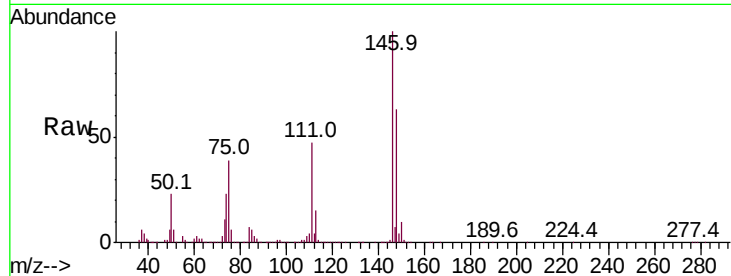




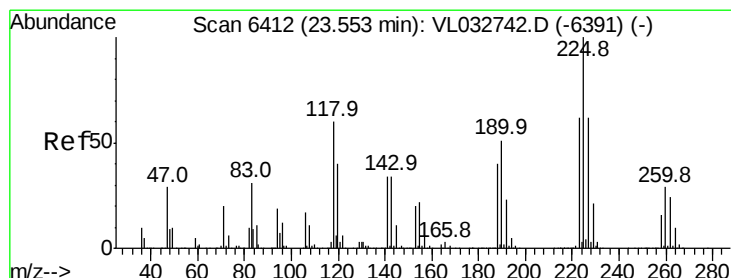
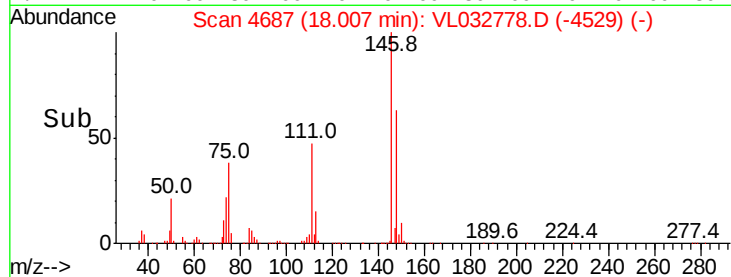
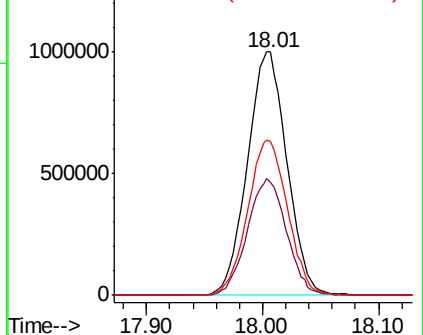
#77
 1,2-Dichlorobenzene
 Concen: 9.532 ppbv
 RT: 18.01 min Scan# 4687
 Delta R.T. 0.01 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:146 Resp: 2370974
 Ion Ratio Lower Upper
 146 100
 111 47.7 24.4 73.2
 148 64.5 32.2 96.6

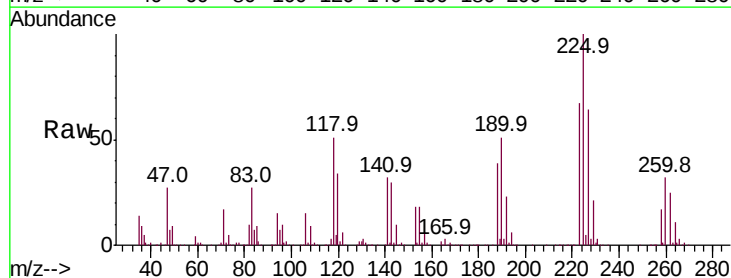


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

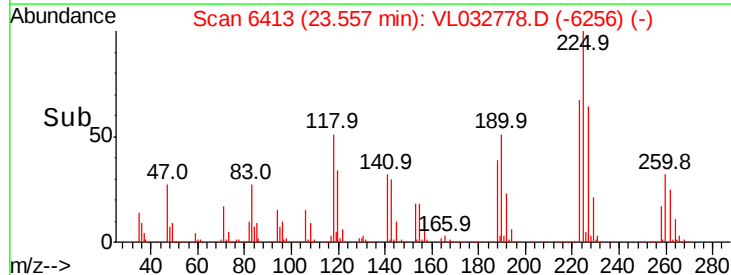
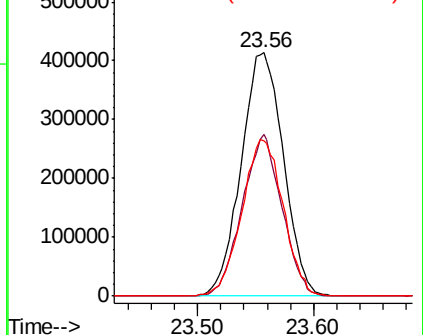


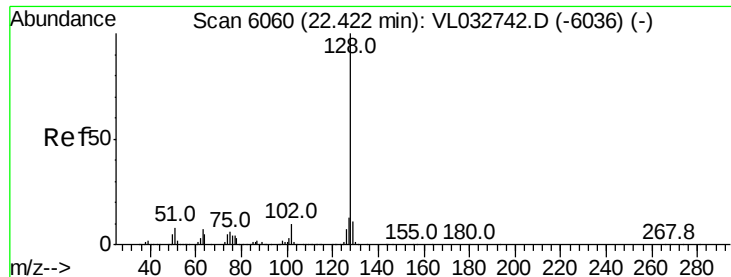
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.808 ppbv
 RT: 23.56 min Scan# 6413
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion:225 Resp: 1048189
 Ion Ratio Lower Upper
 225 100
 223 62.5 50.3 75.5
 227 63.1 50.2 75.4



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.341 ppbv

RT: 22.43 min Scan# 6062

Delta R.T. 0.01 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

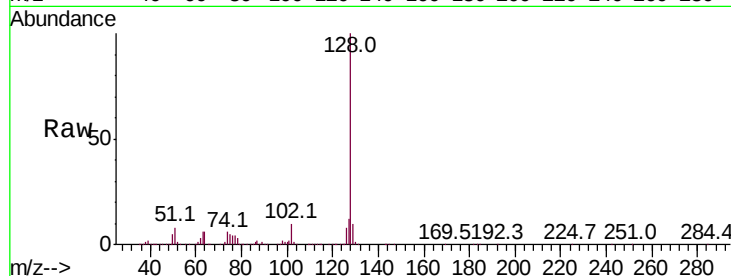
Tot Ion:128 Resp: 3184348

Ion Ratio Lower Upper

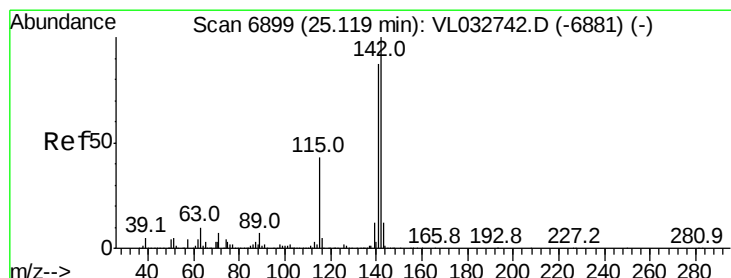
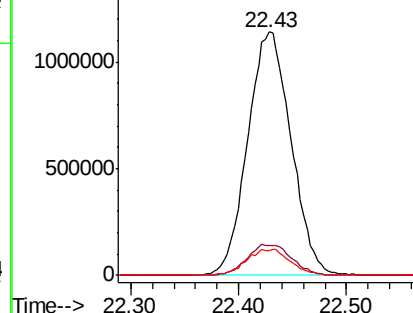
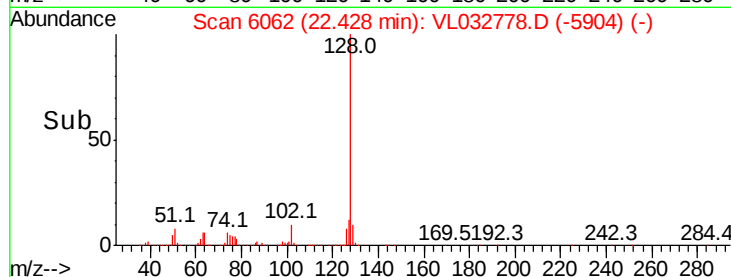
128 100

127 12.5 10.1 15.1

129 10.4 8.9 13.3



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: 11.084 ppbv

RT: 25.13 min Scan# 6901

Delta R.T. 0.01 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

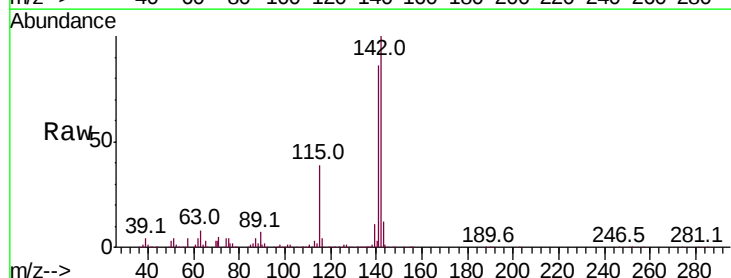
Tgt Ion:142 Resp: 854806

Ion Ratio Lower Upper

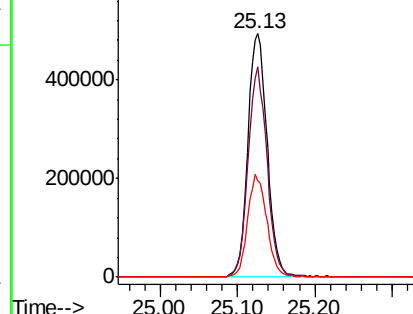
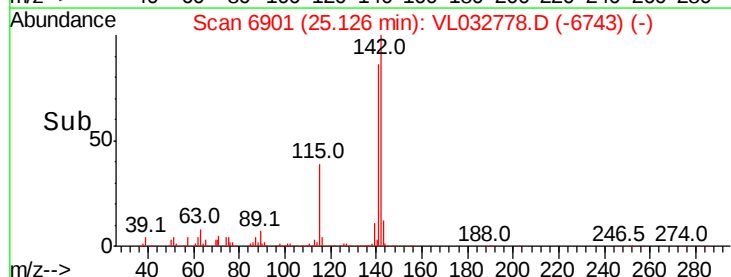
142 100

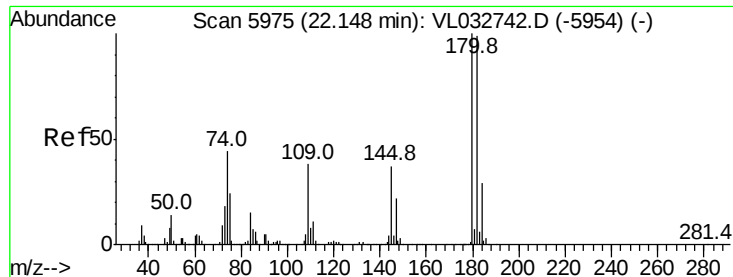
141 85.1 68.7 103.1

115 42.0 35.5 53.3



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: 10.711 ppbv

RT: 22.15 min Scan# 5976

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

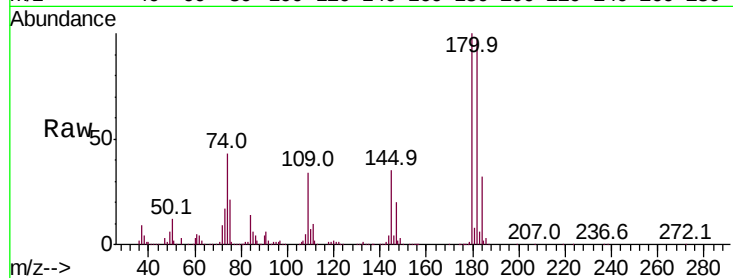
Tot Ion:180 Resp: 1656328

Ion Ratio Lower Upper

180 100

182 94.1 77.3 115.9

184 30.5 24.2 36.4



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

