

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071918\
 Data File : VL032290.D
 Acq On : 19 Jul 2018 15:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 20 02:08:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 14:38:53 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1565371	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3524545	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	5197795	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3210841	7.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	76.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.13	85	2529470	9.504	ppbv 99
3) Chlorodifluoromethane	3.06	51	1791316	10.197	ppbv 97
4) Chloromethane	3.22	50	1092442	10.561	ppbv 99
5) Vinyl Chloride	3.34	62	1026391	10.467	ppbv 99
6) Bromomethane	3.57	94	558346	10.446	ppbv 95
7) Chloroethane	3.66	64	359550	10.341	ppbv 98
8) Dichlorotetrafluoroethane	3.27	85	2090384	9.622	ppbv 99
9) Propene	3.08	41	903926	11.773	ppbv 99
10) Heptane	8.33	43	2683098	10.997	ppbv 99
11) Trichlorofluoromethane	4.06	101	2026481	9.737	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1345602	10.139	ppbv 99
13) Ethanol	3.70	45	197223	8.991	ppbv 98
14) Bromoethene	3.85	108	638451	10.670	ppbv 100
15) Acetone	3.96	43	1597032	9.748	ppbv 99
16) 1,3-Butadiene	3.41	39	885917	10.616	ppbv 97
17) tert-Butyl alcohol	4.42	59	537428	10.402	ppbv 100
18) 1,1-Dichloroethene	4.41	96	651668	10.513	ppbv 98
19) Isopropyl Alcohol	4.09	45	1116452	10.075	ppbv 99
20) Methylene Chloride	4.47	84	574974	9.116	ppbv 93
21) Allyl Chloride	4.54	41	1195065	11.075	ppbv 98
22) trans-1,2-Dichloroethene	5.03	96	690840	10.735	ppbv 99
23) Vinyl Acetate	5.22	43	3292427	11.205	ppbv 100
24) 1,1-Dichloroethane	5.16	63	2163229	10.149	ppbv 100
25) Ethyl Acetate	5.84	43	3731555	10.456	ppbv 99
26) Hexane	5.86	57	1692866	10.329	ppbv 99
27) Carbon Disulfide	4.69	76	1676465	11.552	ppbv 99
28) Methyl tert-Butyl Ether	5.18	73	2566978	10.564	ppbv 100
29) Chloroform	5.93	83	2417381	10.004	ppbv 99
30) Cyclohexane	7.33	84	1484776	10.797	ppbv 99
31) cis-1,2-Dichloroethene	5.72	61	1703793	10.843	ppbv 97
32) 1,1,1-Trichloroethane	6.70	97	2417718	9.889	ppbv 99
34) 2-Butanone	5.40	43	2668705	11.035	ppbv 99
35) Carbon Tetrachloride	7.22	117	2408256	9.935	ppbv 98
36) Benzene	7.09	78	3721366	10.726	ppbv 100
37) 1,2-Dichloroethane	6.49	62	2006530	9.790	ppbv 100
38) Trichloroethene	8.05	130	1138730	9.921	ppbv 97
39) 1,2-Dichloropropane	7.82	63	1404956	10.229	ppbv 98
40) 1,4-Dioxane	8.04	88	414701	10.222	ppbv # 12
41) Tetrahydrofuran	6.22	42	1612303	11.428	ppbv 99
42) Bromodichloromethane	8.01	83	2631108	10.197	ppbv 94
43) Methyl Methacrylate	8.22	69	1557788	10.955	ppbv 98

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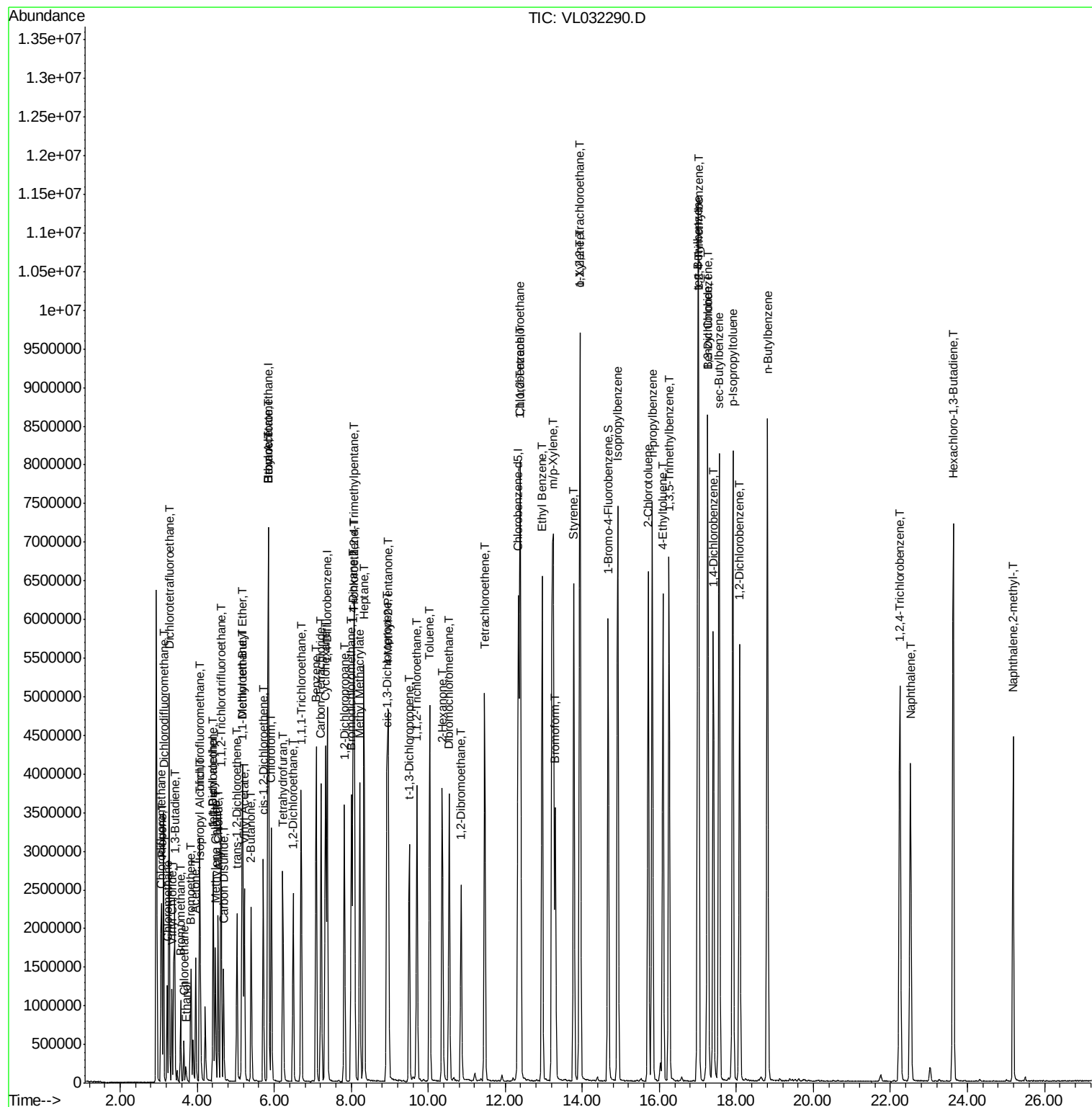
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6087543	10.068	ppbv	100
45) t-1,3-Dichloropropene	9.50	75	1894719	11.309	ppbv	98
46) cis-1,3-Dichloropropene	8.92	75	2336979	10.937	ppbv	100
47) 1,1,2-Trichloroethane	9.71	97	1411215	9.507	ppbv	97
48) Dibromochloromethane	10.54	129	2361588	10.909	ppbv	99
49) Bromoform	13.30	173	2058595	10.897	ppbv	100
50) 4-Methyl-2-Pentanone	8.96	43	4130605	10.379	ppbv	99
51) 2-Hexanone	10.36	43	3802857	12.535	ppbv #	99
52) Tetrachloroethene	11.47	164	1223719	10.328	ppbv	98
53) Toluene	10.04	91	4007325	9.528	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2271915	10.375	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.37	131	1811005	7.823	ppbv	99
57) Chlorobenzene	12.39	112	3337557	7.827	ppbv	100
58) Ethyl Benzene	12.96	91	6221295	8.494	ppbv	99
59) m/p-Xylene	13.24	91	5226360	8.364	ppbv #	36
60) o-Xylene	13.94	91	4855618	7.803	ppbv	100
61) Styrene	13.78	104	3939160	8.525	ppbv	99
62) Isopropylbenzene	14.92	105	6847489	7.676	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	3572857	6.734	ppbv	99
64) n-propylbenzene	15.82	120	1799687	7.857	ppbv	100
65) tert-Butylbenzene	17.00	119	5580446	7.341	ppbv	100
66) Benzyl Chloride	17.25	91	3684294	8.609	ppbv	100
67) sec-Butylbenzene	17.55	105	8384277	7.393	ppbv	100
69) p-Isopropyltoluene	17.91	119	6815258	7.780	ppbv	100
70) n-Butylbenzene	18.81	91	7429628	7.603	ppbv	99
71) 2-Chlorotoluene	15.71	91	5472690	7.653	ppbv	99
72) 4-Ethyltoluene	16.09	105	5711292	7.945	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	5429087	7.724	ppbv	98
74) 1,2,4-Trimethylbenzene	17.02	105	5302545	7.206	ppbv	96
75) 1,3-Dichlorobenzene	17.26	146	2904300	7.104	ppbv	99
76) 1,4-Dichlorobenzene	17.40	146	2991148	7.375	ppbv	99
77) 1,2-Dichlorobenzene	18.08	146	2941839	7.443	ppbv	99
78) Hexachloro-1,3-Butadiene	23.63	225	1781905	13.907	ppbv	99
79) Naphthalene	22.52	128	5163968	8.357	ppbv	98
80) Naphthalene, 2-methyl-	25.19	142	2410985	9.184	ppbv	100
81) 1,2,4-Trichlorobenzene	22.25	180	2414447	8.013	ppbv	99

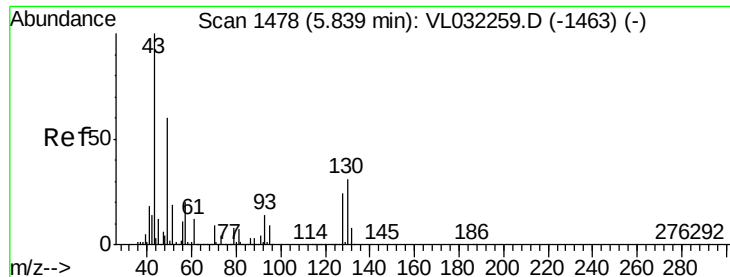
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :
MSVOA_L
ClientSampleId :

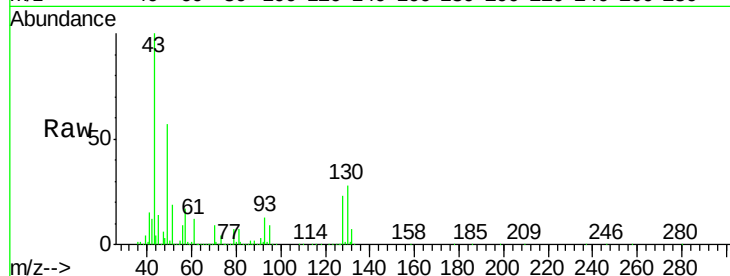
Tot Ion: 49 Resp: 1565371

Ion Ratio Lower Upper

49 100

128 39.8 20.1 60.2

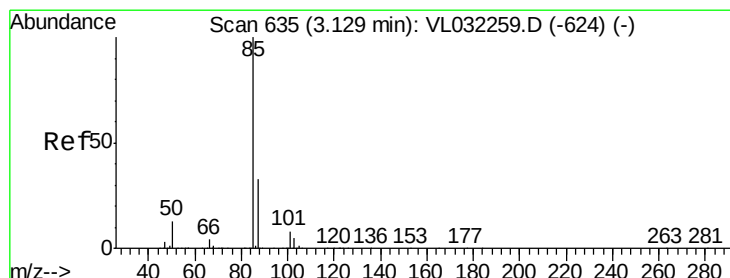
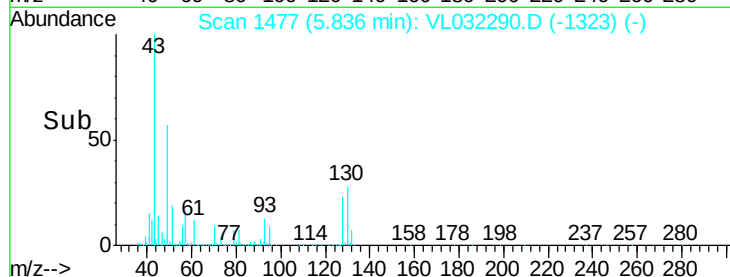
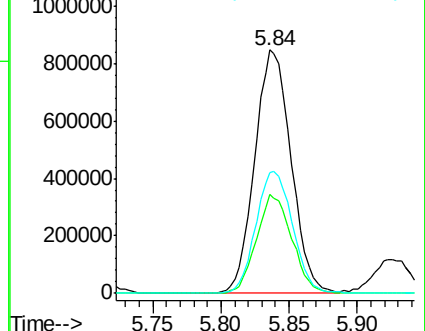
130 51.0 25.9 77.6



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: 9.504 ppbv

RT: 3.13 min Scan# 634

Delta R.T. -0.00 min

Lab File: VL032290.D

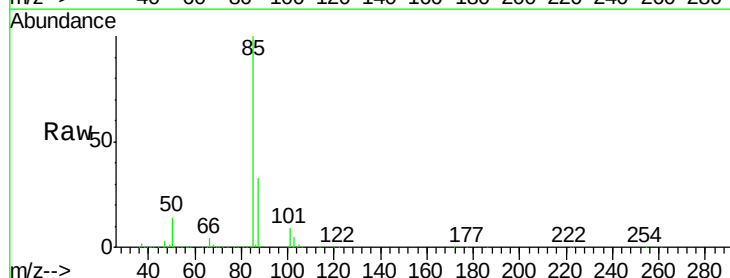
Acq: 19 Jul 2018 15:05

Tgt Ion: 85 Resp: 2529470

Ion Ratio Lower Upper

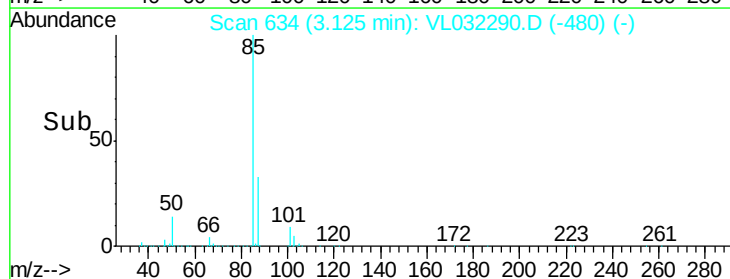
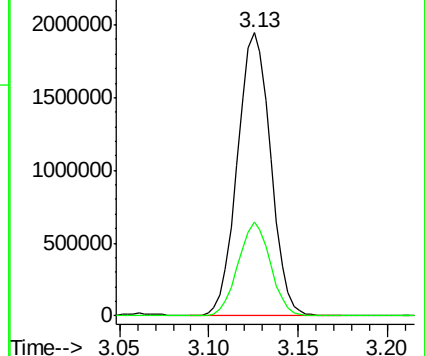
85 100

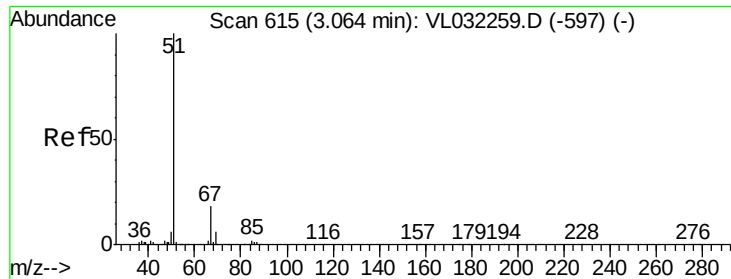
87 33.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.197 ppbv

RT: 3.06 min Scan# 614

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

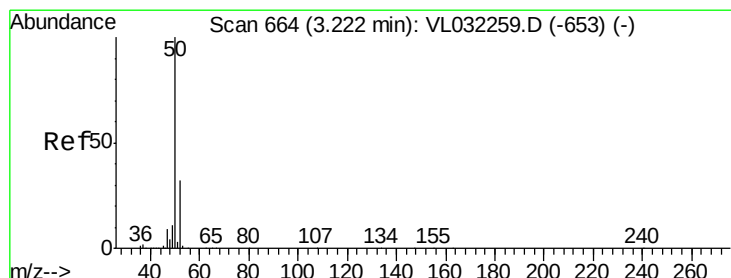
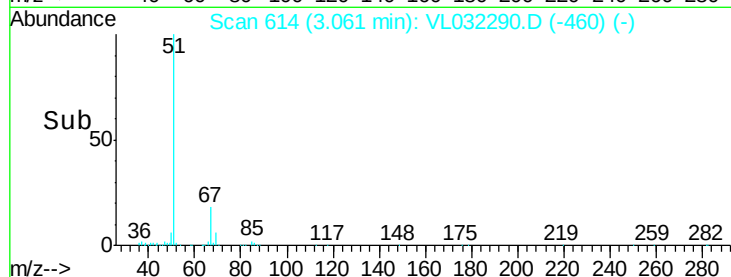
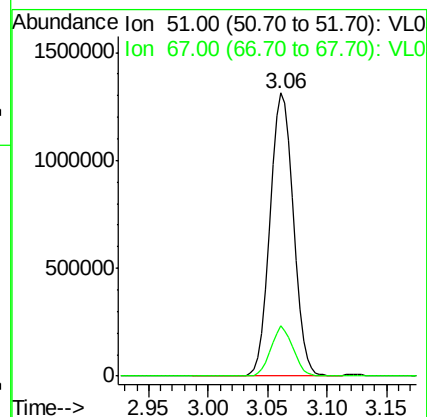
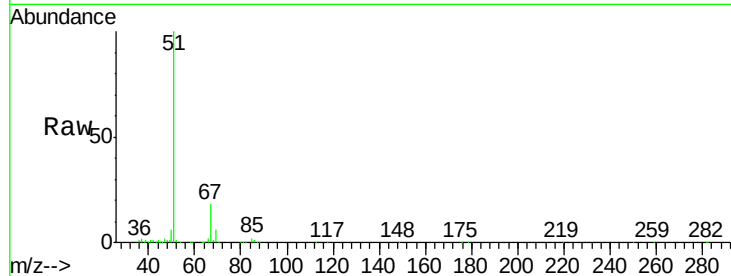
ClientSampleId :

Tot Ion: 51 Resp: 1791316

Ion Ratio Lower Upper

51 100

67 16.7 14.2 21.4



#4

Chloromethane

Concen: 10.561 ppbv

RT: 3.22 min Scan# 664

Delta R.T. -0.00 min

Lab File: VL032290.D

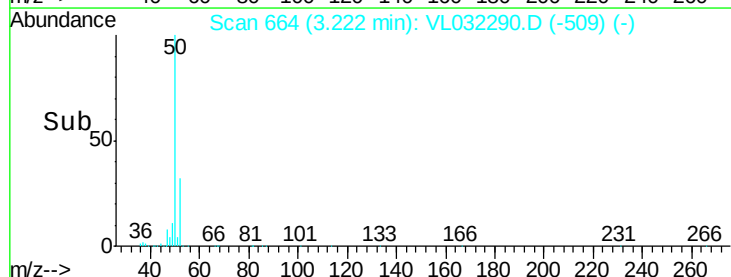
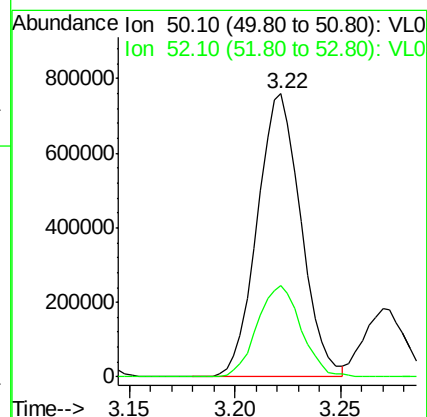
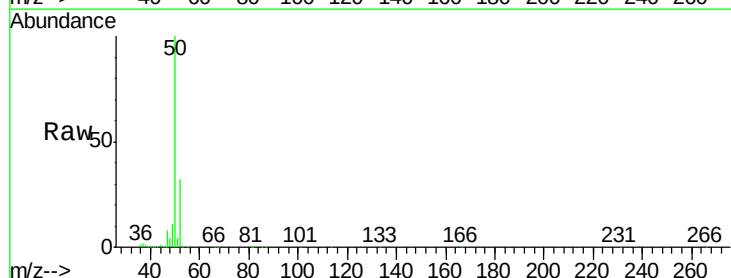
Acq: 19 Jul 2018 15:05

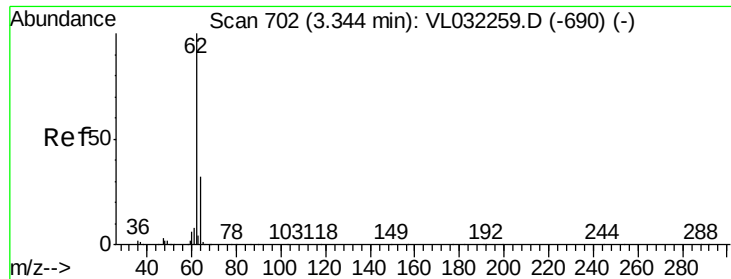
Tgt Ion: 50 Resp: 1092442

Ion Ratio Lower Upper

50 100

52 32.2 25.3 37.9





#5

Vinyl Chloride

Concen: 10.467 ppbv

RT: 3.34 min Scan# 701

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

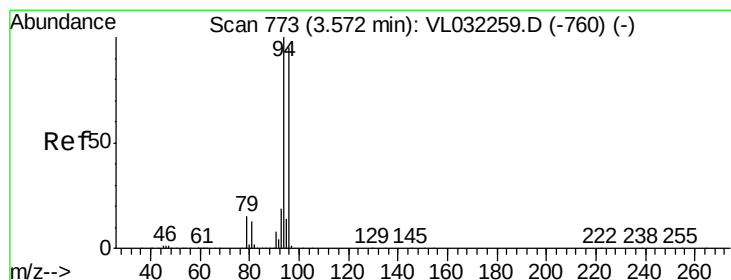
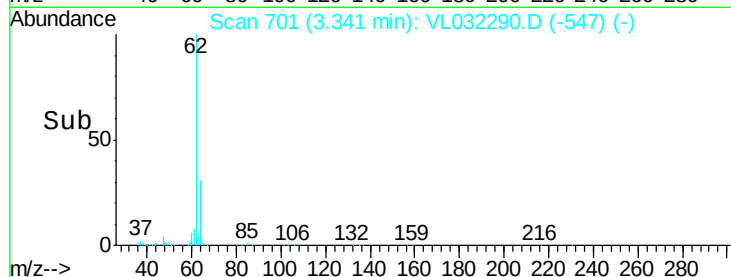
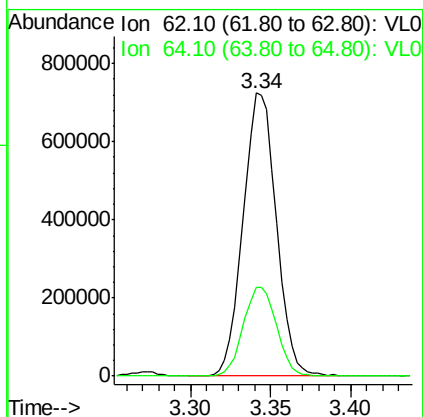
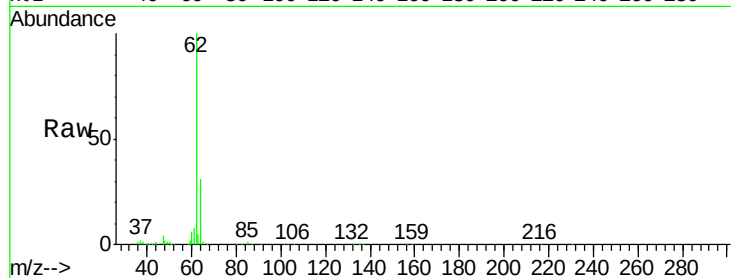
ClientSampleId :

Tot Ion: 62 Resp: 1026391

Ion Ratio Lower Upper

62 100

64 31.2 25.3 37.9



#6

Bromomethane

Concen: 10.446 ppbv

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VL032290.D

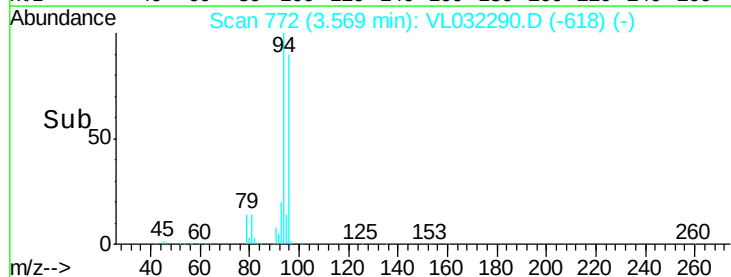
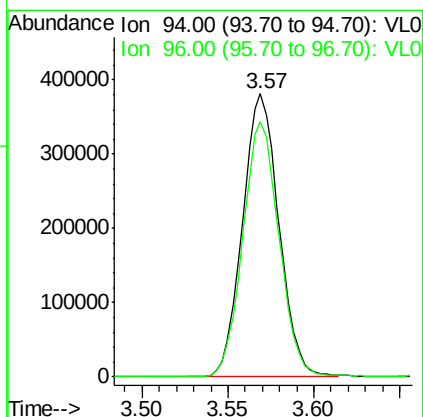
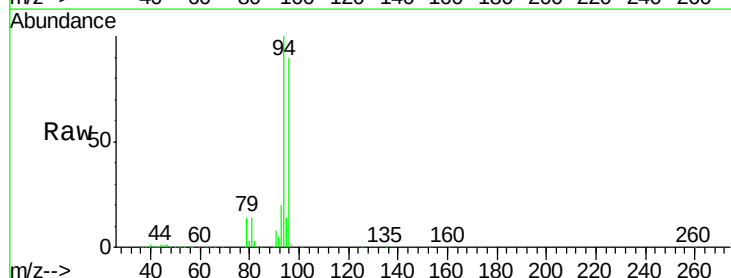
Acq: 19 Jul 2018 15:05

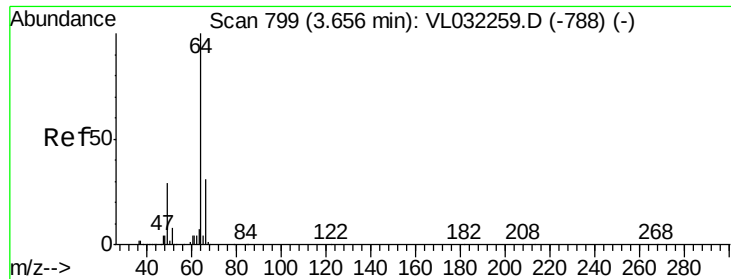
Tgt Ion: 94 Resp: 558346

Ion Ratio Lower Upper

94 100

96 90.3 76.1 114.1





#7

Chloroethane

Concen: 10.341 ppbv

RT: 3.66 min Scan# 799

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

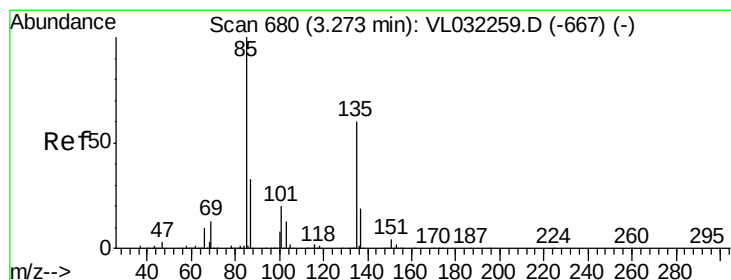
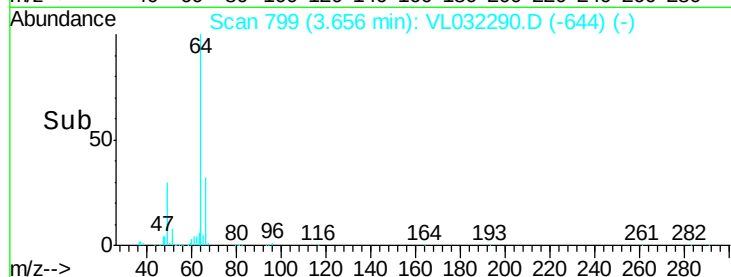
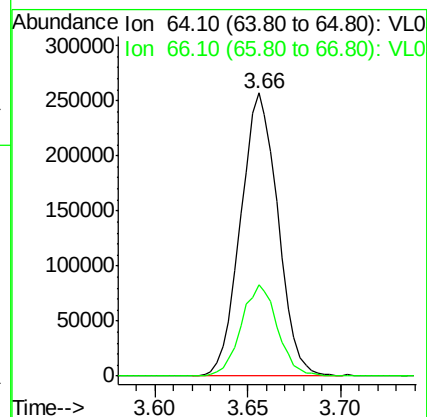
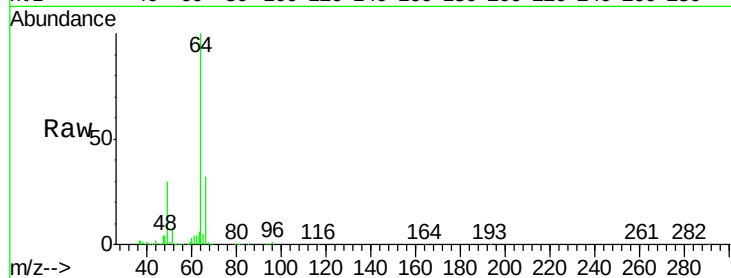
ClientSampleId :

Tot Ion: 64 Resp: 359550

Ion Ratio Lower Upper

64 100

66 32.2 25.0 37.4



#8

Dichlorotetrafluoroethane

Concen: 9.622 ppbv

RT: 3.27 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL032290.D

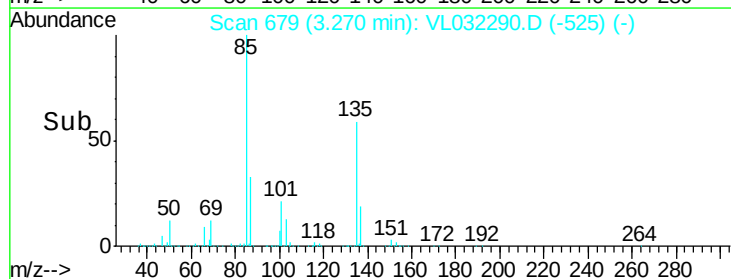
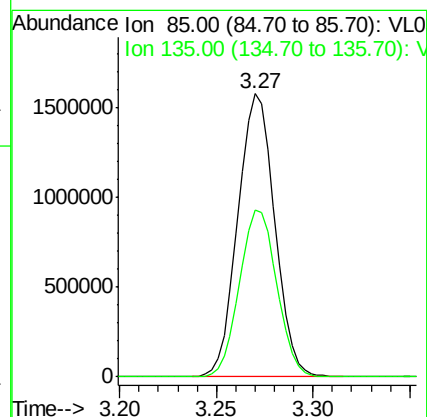
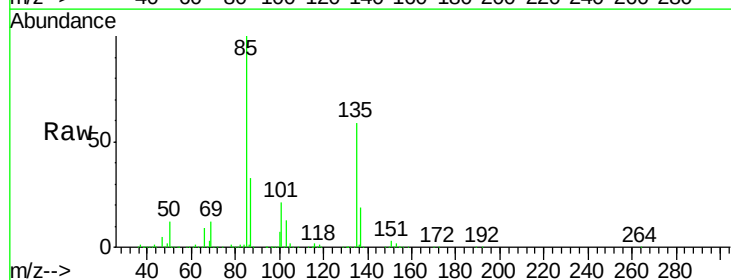
Acq: 19 Jul 2018 15:05

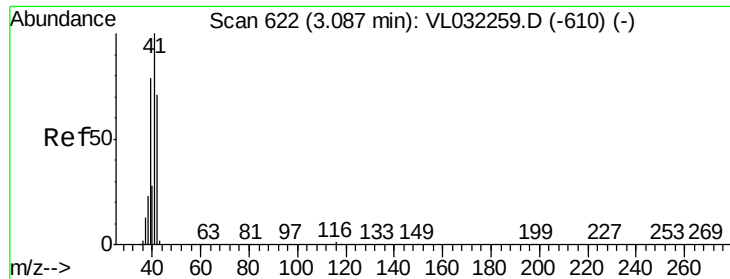
Tgt Ion: 85 Resp: 2090384

Ion Ratio Lower Upper

85 100

135 60.3 47.8 71.8





#9

Propene

Concen: 11.773 ppbv

RT: 3.08 min Scan# 621

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

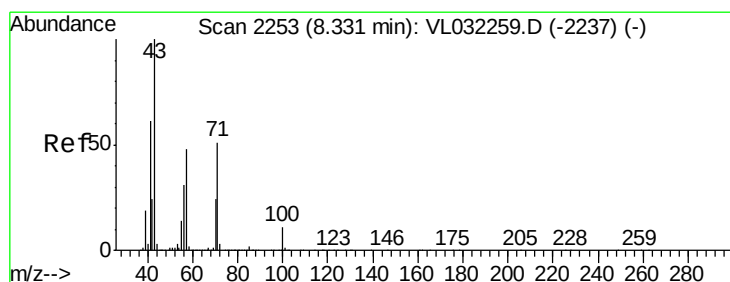
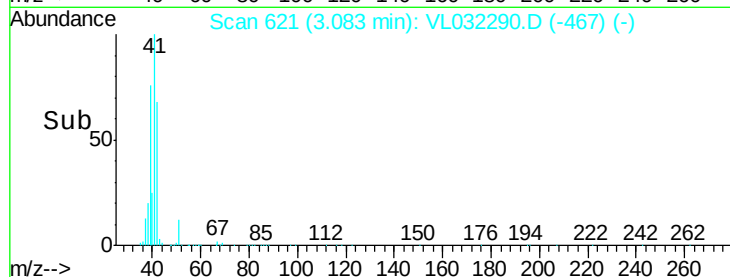
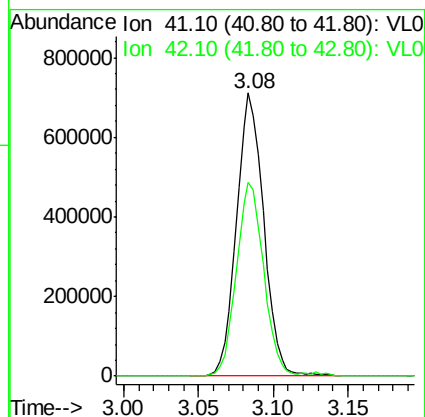
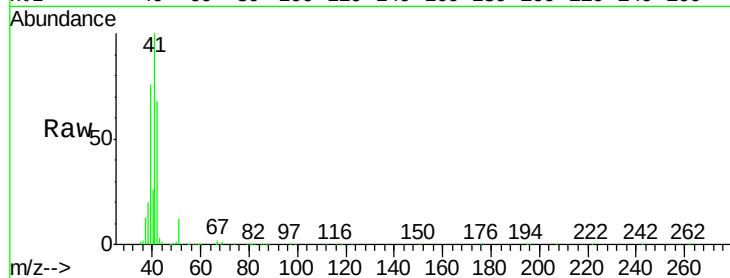
ClientSampleId :

Tot Ion: 41 Resp: 903926

Ion Ratio Lower Upper

41 100

42 69.2 56.2 84.4



#10

Heptane

Concen: 10.997 ppbv

RT: 8.33 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VL032290.D

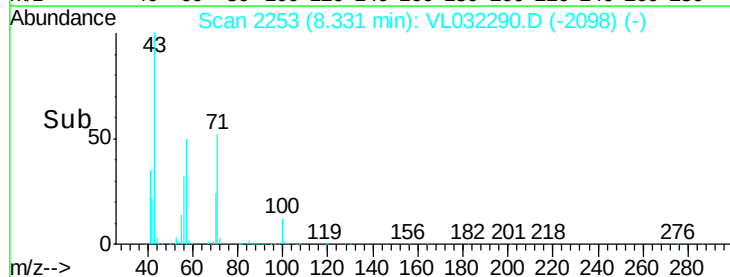
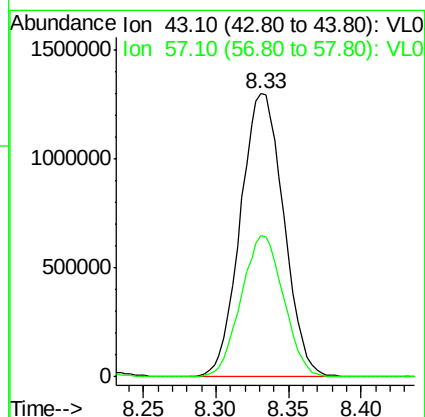
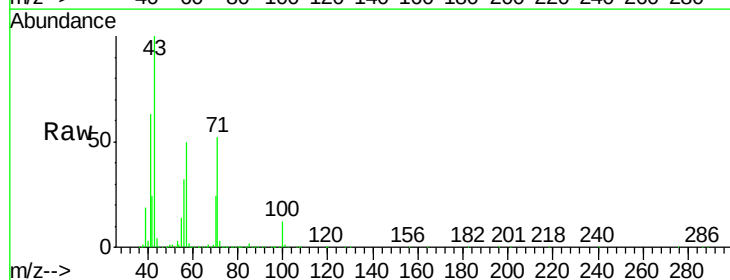
Acq: 19 Jul 2018 15:05

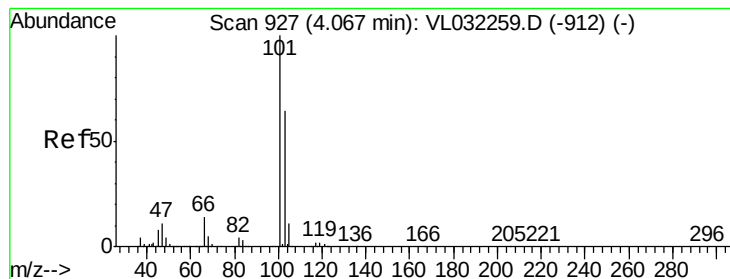
Tgt Ion: 43 Resp: 2683098

Ion Ratio Lower Upper

43 100

57 49.1 39.9 59.9





#11

Trichlorofluoromethane

Concen: 9.737 ppbv

RT: 4.06 min Scan# 926

Delta R.T. -0.00 min

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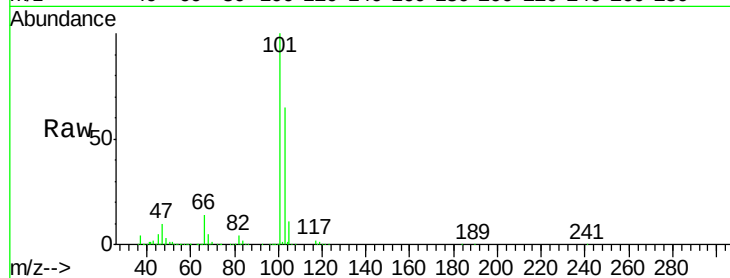
ClientSampled :

Tot Ion:101 Resp: 2026481

Ion Ratio Lower Upper

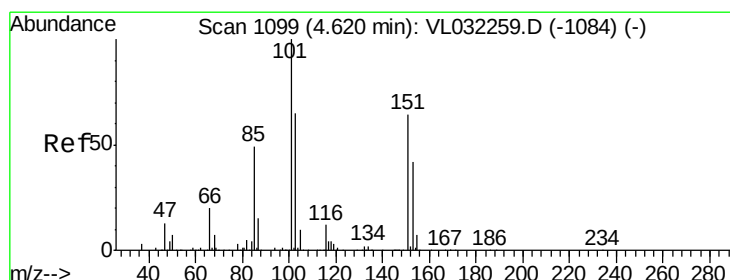
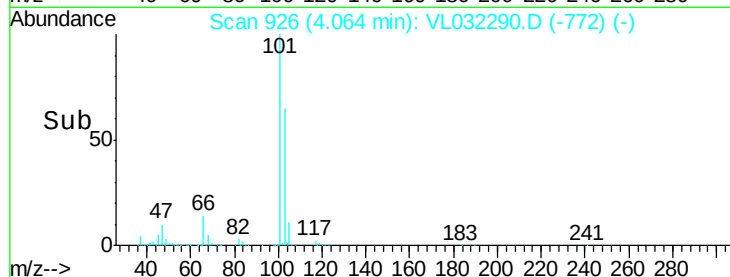
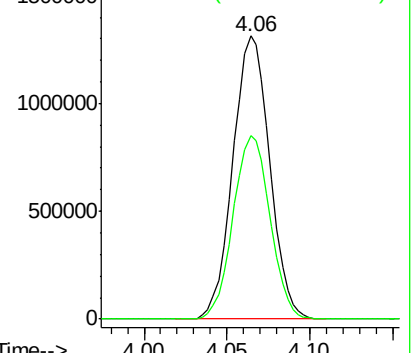
101 100

103 64.7 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.139 ppbv

RT: 4.62 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VL032290.D

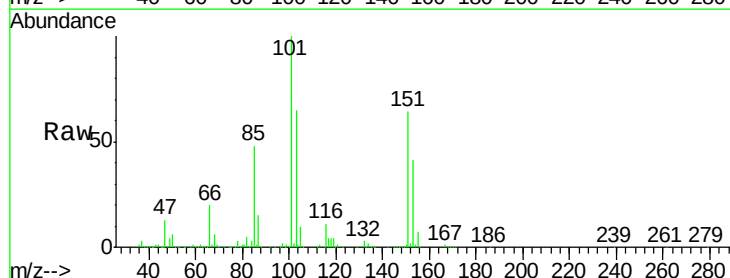
Acq: 19 Jul 2018 15:05

Tgt Ion:101 Resp: 1345602

Ion Ratio Lower Upper

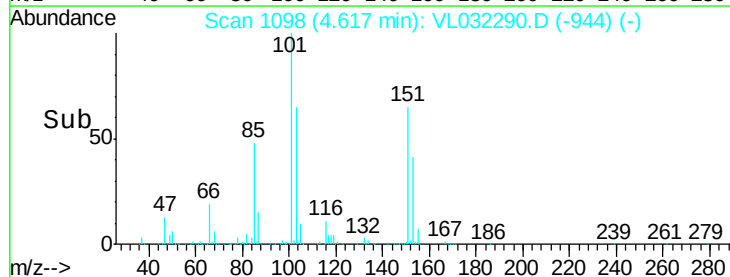
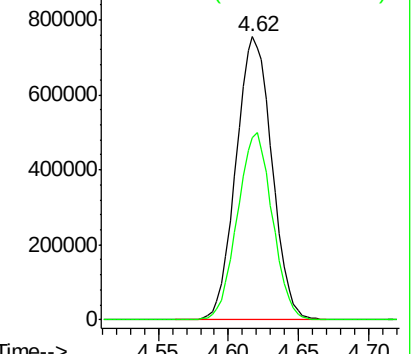
101 100

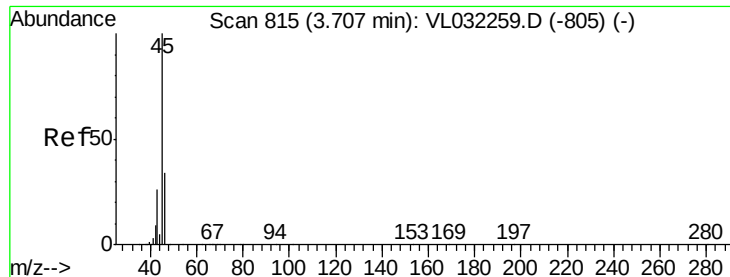
151 64.7 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

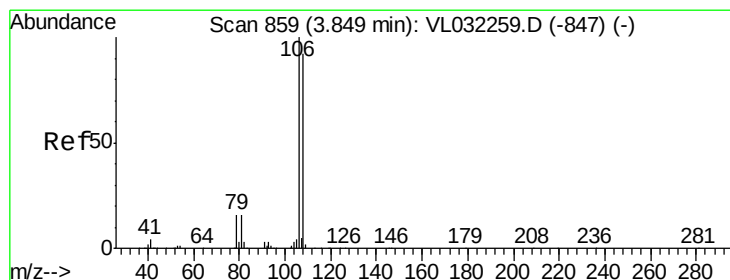
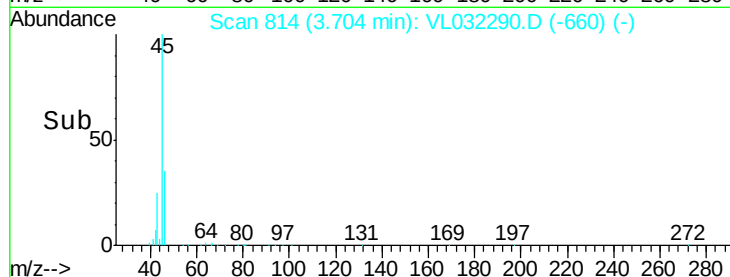
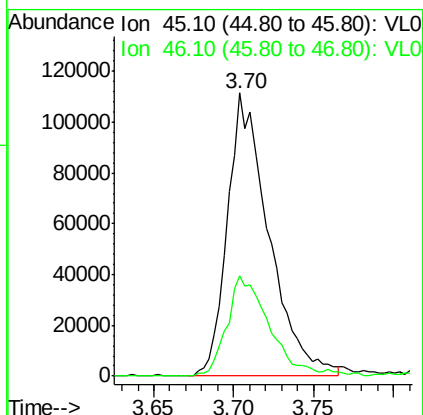
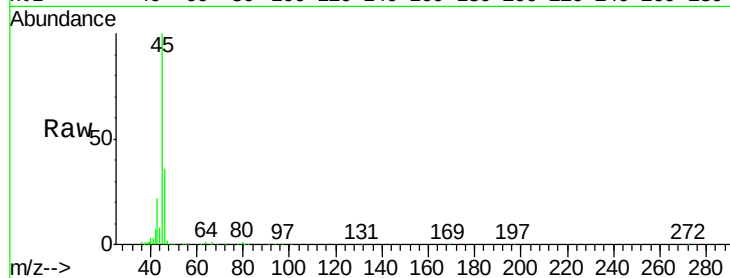




#13
Ethanol
Concen: 8.991 ppbv
RT: 3.70 min Scan# 814
Delta R.T. -0.00 min
Lab File: VL032290.D
Acq: 19 Jul 2018 15:05

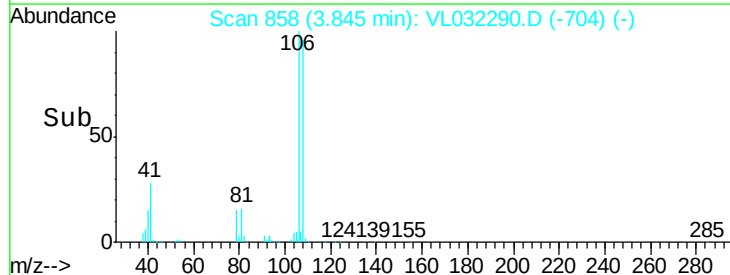
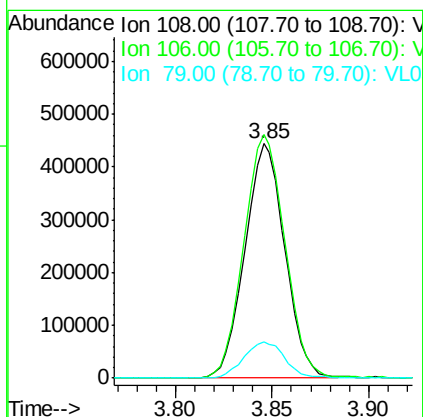
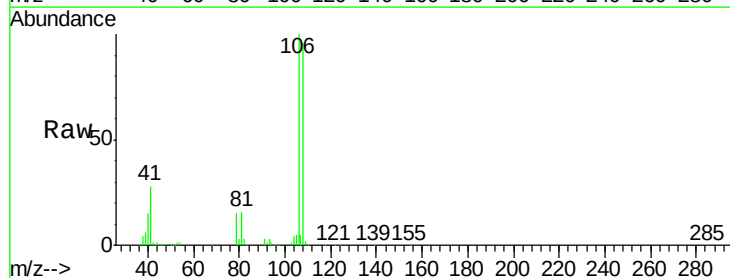
Instrument :
MSVOA_L
ClientSampleId :

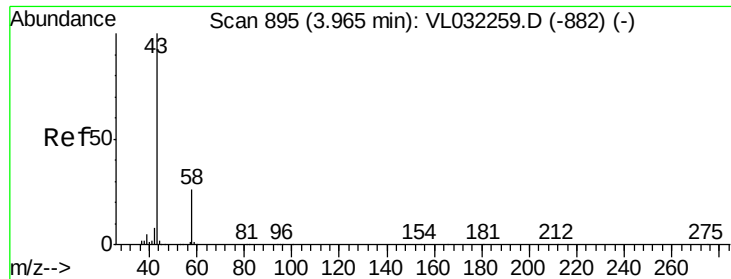
Tot Ion: 45 Resp: 197223
Ion Ratio Lower Upper
45 100
46 36.5 15.2 60.8



#14
Bromoethene
Concen: 10.670 ppbv
RT: 3.85 min Scan# 858
Delta R.T. -0.00 min
Lab File: VL032290.D
Acq: 19 Jul 2018 15:05

Tgt Ion: 108 Resp: 638451
Ion Ratio Lower Upper
108 100
106 107.8 86.2 129.4
79 16.3 14.0 21.0





#15

Acetone

Concen: 9.748 ppbv

RT: 3.96 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

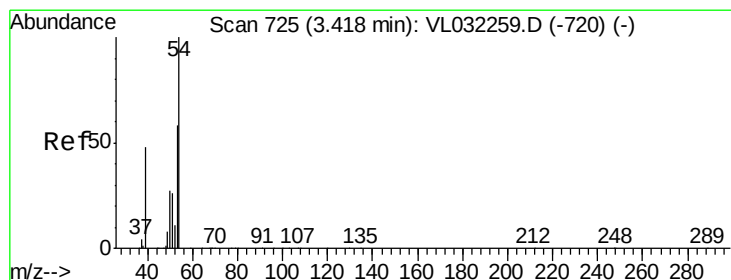
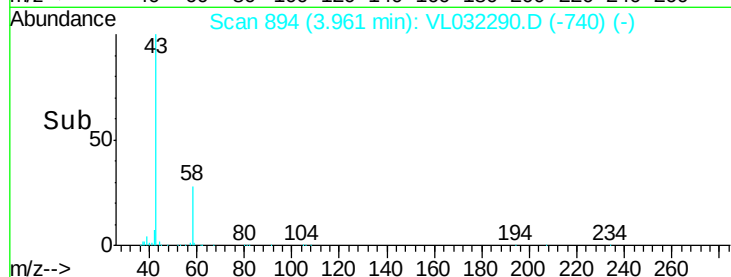
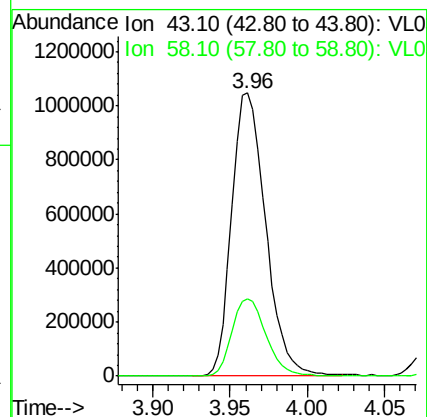
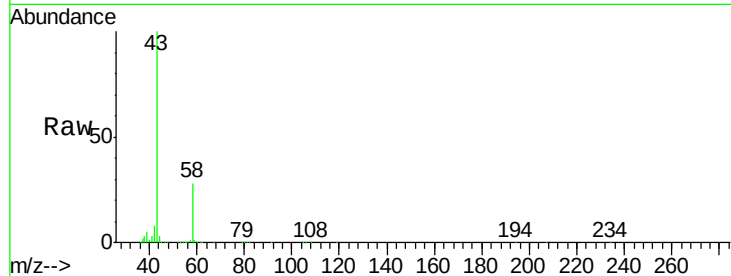
ClientSampleId :

Tot Ion: 43 Resp: 1597032

Ion Ratio Lower Upper

43 100

58 27.6 21.8 32.6



#16

1,3-Butadiene

Concen: 10.616 ppbv

RT: 3.41 min Scan# 724

Delta R.T. -0.00 min

Lab File: VL032290.D

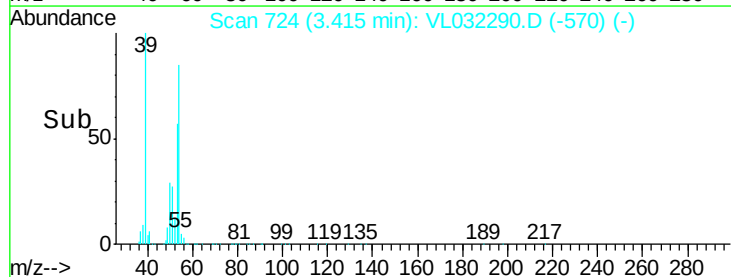
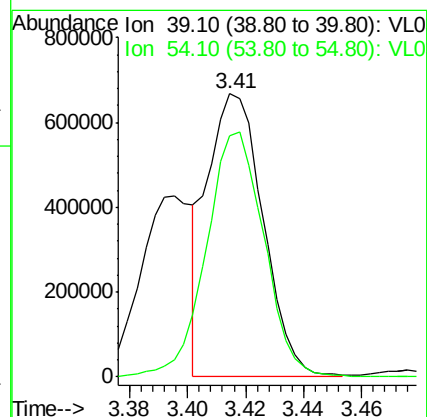
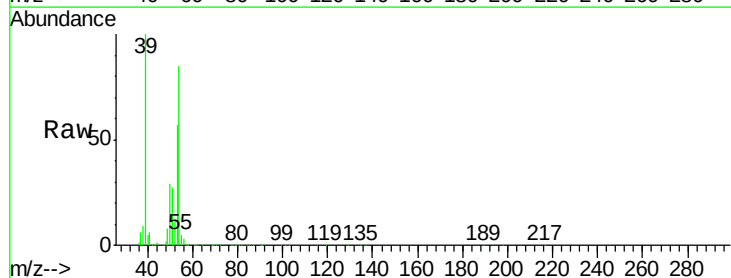
Acq: 19 Jul 2018 15:05

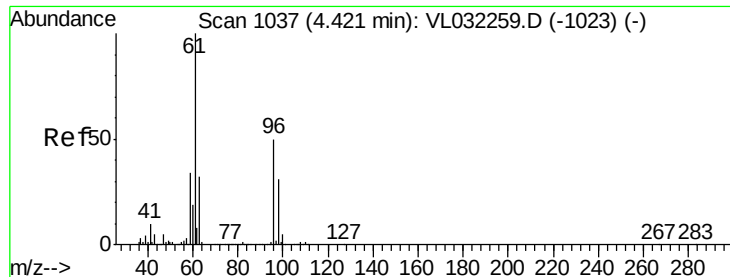
Tgt Ion: 39 Resp: 885917

Ion Ratio Lower Upper

39 100

54 90.8 70.6 105.8



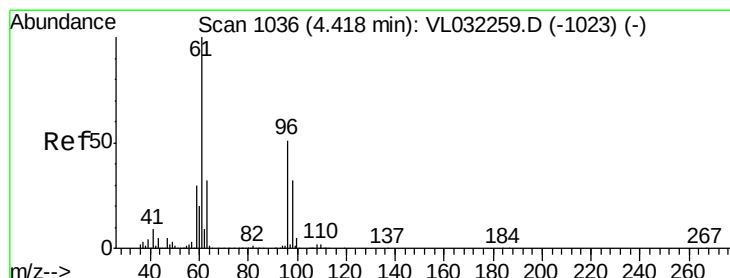
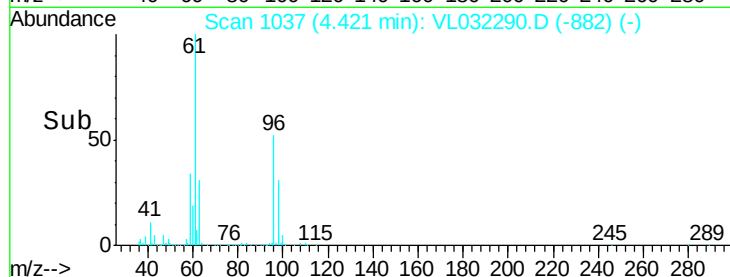
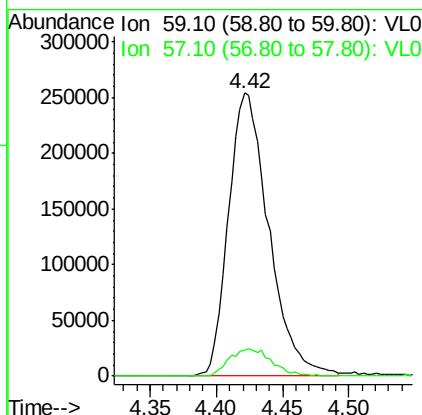
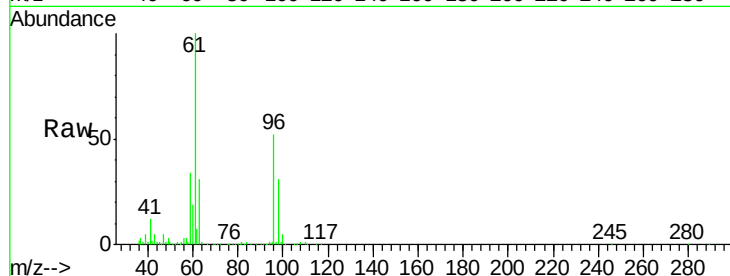


#17

tert-Butyl alcohol
Concen: 10.402 ppbv
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VL032290.D
Acq: 19 Jul 2018 15:05

Instrument :
MSVOA_L
ClientSampled :

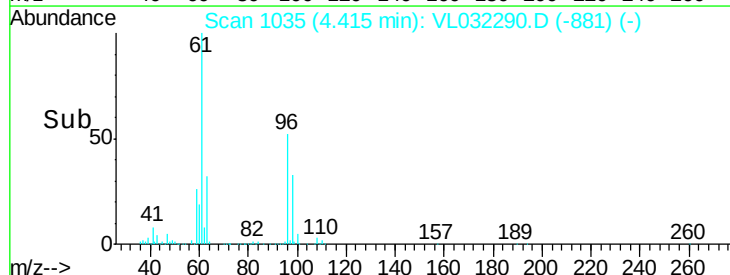
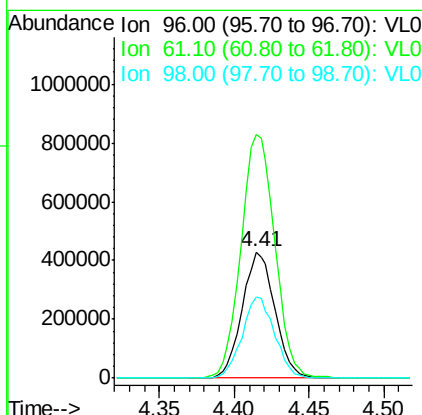
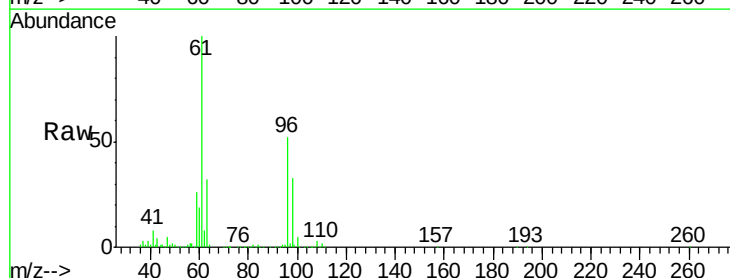
Tot Ion: 59 Resp: 537428
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

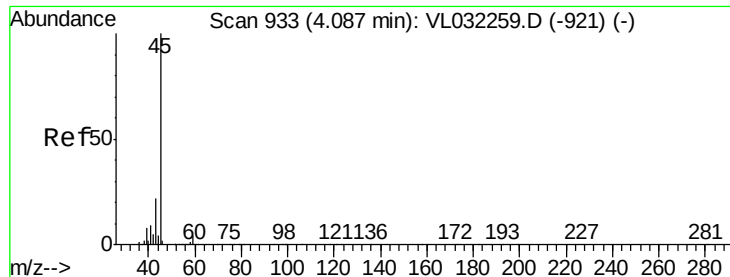


#18

1,1-Dichloroethene
Concen: 10.513 ppbv
RT: 4.41 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VL032290.D
Acq: 19 Jul 2018 15:05

Tgt Ion: 96 Resp: 651668
Ion Ratio Lower Upper
96 100
61 192.7 157.2 235.8
98 64.1 50.1 75.1





#19

Isopropyl Alcohol

Concen: 10.075 ppbv

RT: 4.09 min Scan# 933

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

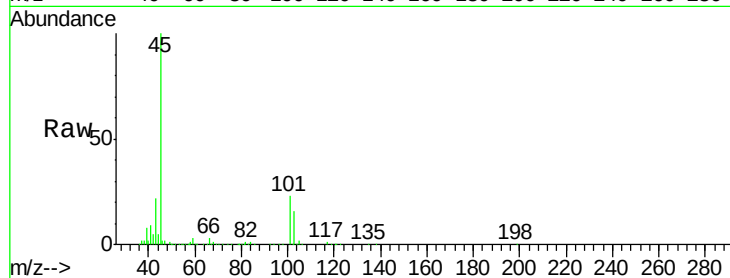
ClientSampleId :

Tot Ion: 45 Resp: 1116452

Ion Ratio Lower Upper

45 100

58 1.6 1.5 2.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.09

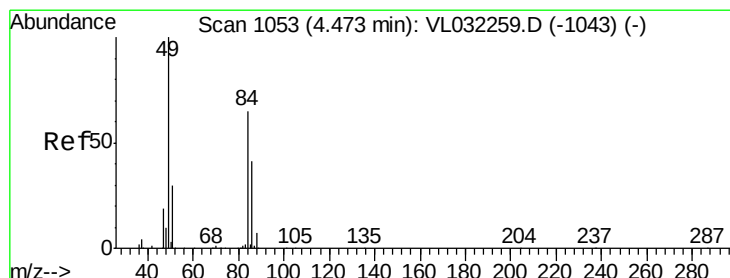
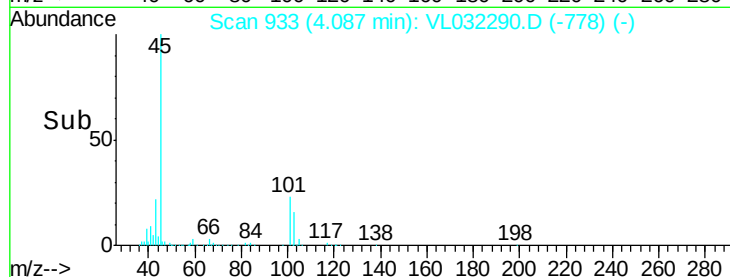
600000

400000

200000

0

Time--> 4.00 4.05 4.10 4.15



#20

Methylene Chloride

Concen: 9.116 ppbv

RT: 4.47 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Tgt Ion: 84 Resp: 574974

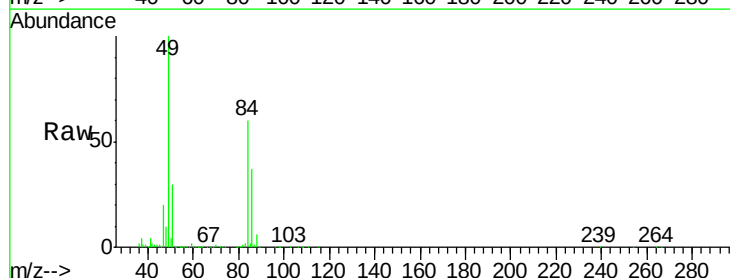
Ion Ratio Lower Upper

84 100

49 166.0 122.4 183.6

51 48.8 36.8 55.2

86 62.0 50.7 76.1



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

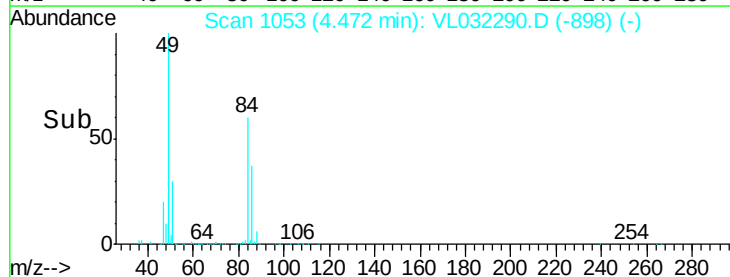
600000

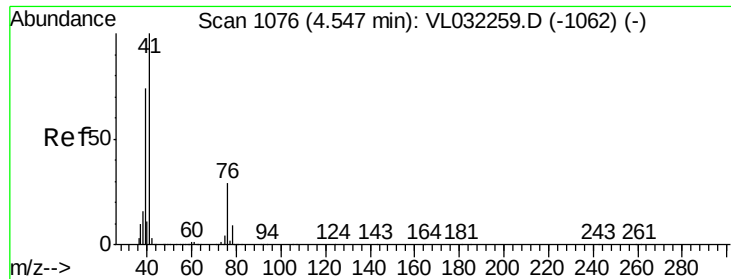
400000

200000

0

Time--> 4.40 4.45 4.50 4.55

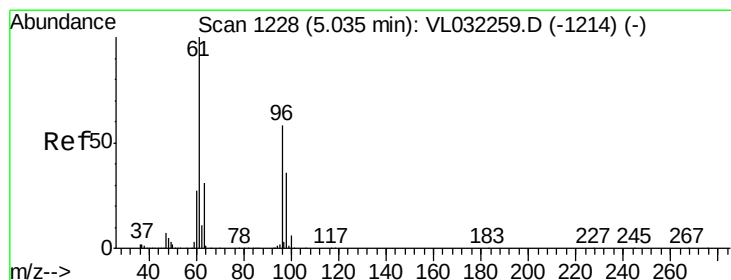
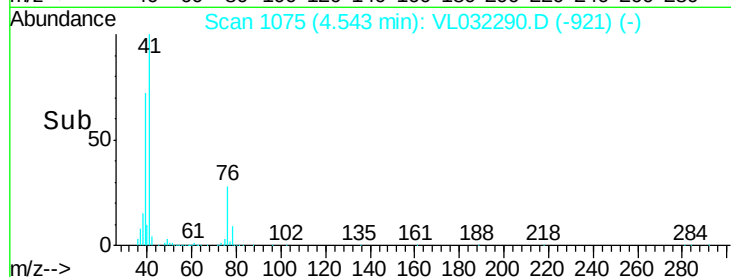
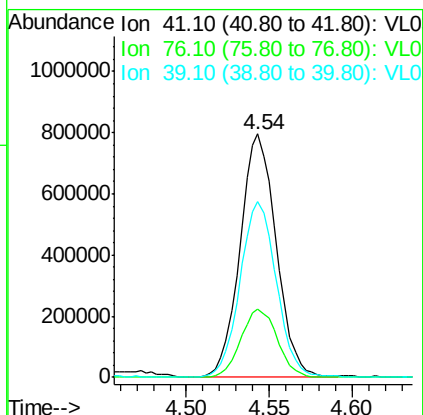
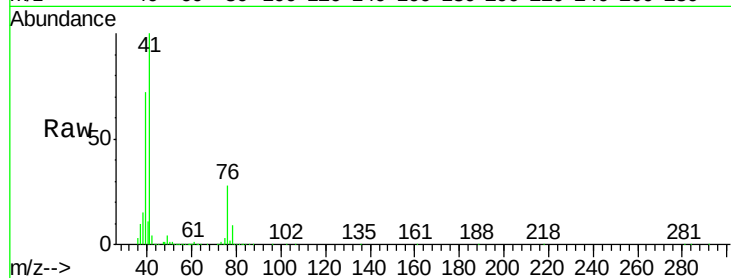




#21
 Allvl Chloride
 Concen: 11.075 ppbv
 RT: 4.54 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VL032290.D
 Acq: 19 Jul 2018 15:05

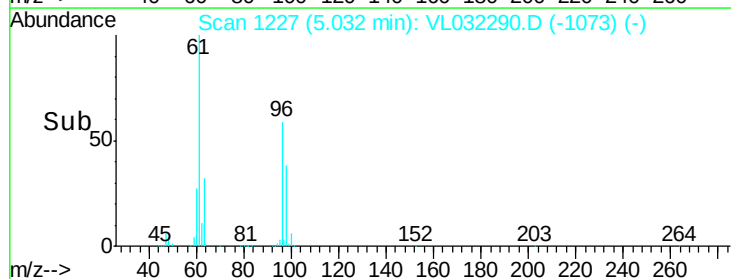
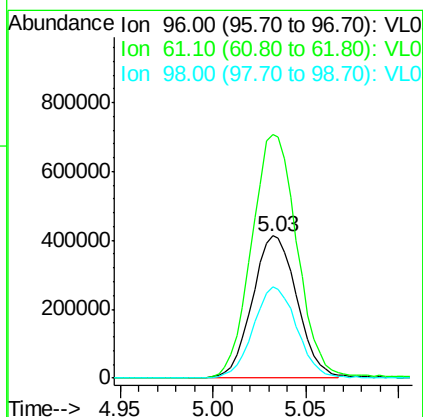
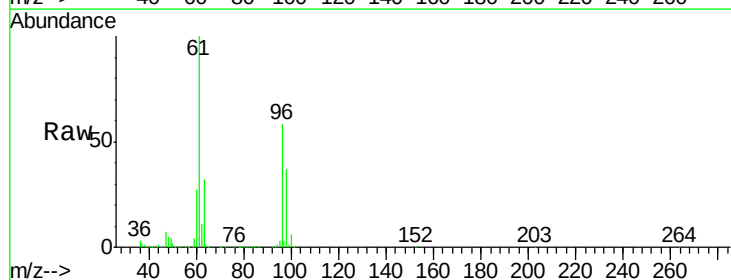
Instrument :
 MSVOA_L
 ClientSampled :

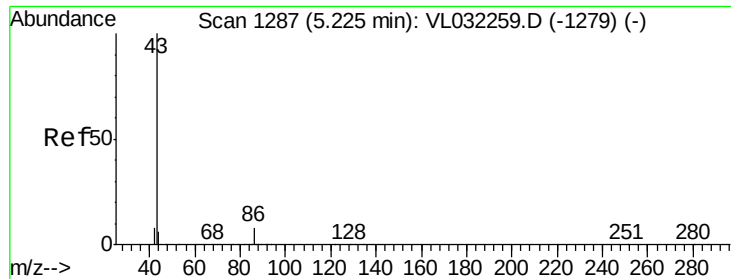
Tot Ion: 41 Resp: 1195065
 Ion Ratio Lower Upper
 41 100
 76 28.5 23.0 34.6
 39 73.1 60.2 90.4



#22
 trans-1,2-Dichloroethene
 Concen: 10.735 ppbv
 RT: 5.03 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VL032290.D
 Acq: 19 Jul 2018 15:05

Tgt Ion: 96 Resp: 690840
 Ion Ratio Lower Upper
 96 100
 61 171.4 137.4 206.0
 98 64.2 49.6 74.4



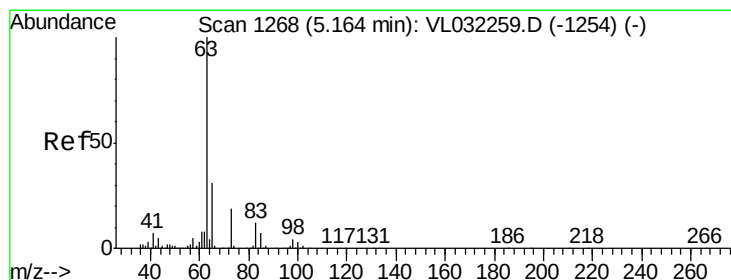
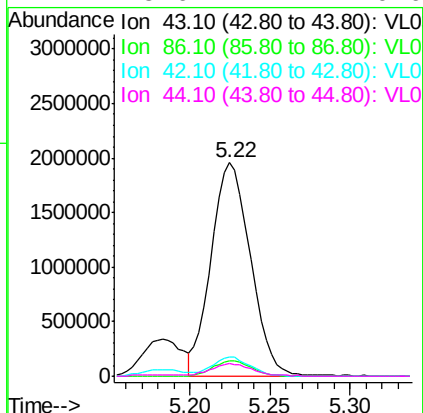
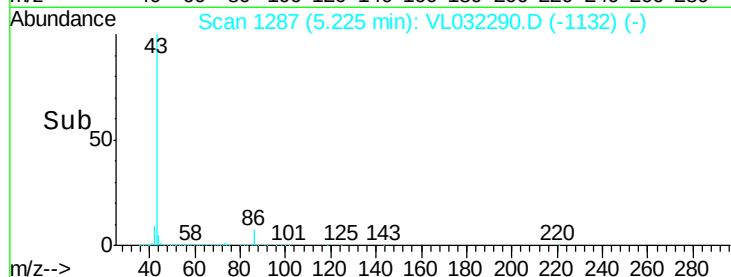
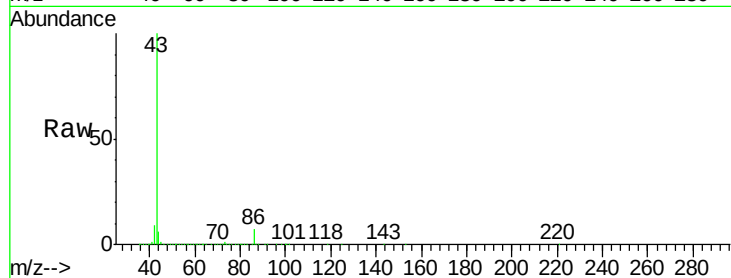


#23
 Vinyl Acetate
 Concen: 11.205 ppbv
 RT: 5.22 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VL032290.D
 Acq: 19 Jul 2018 15:05

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 3292427

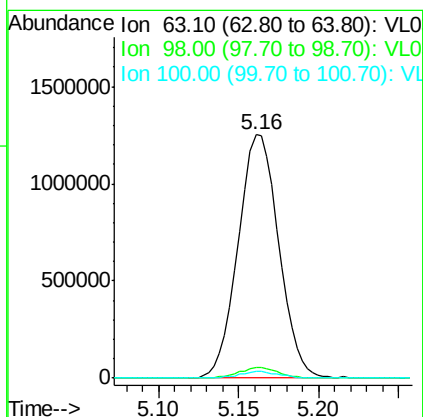
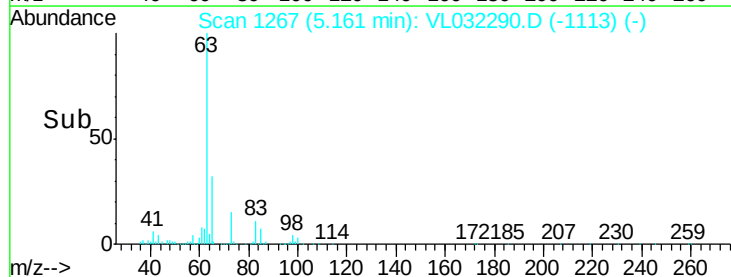
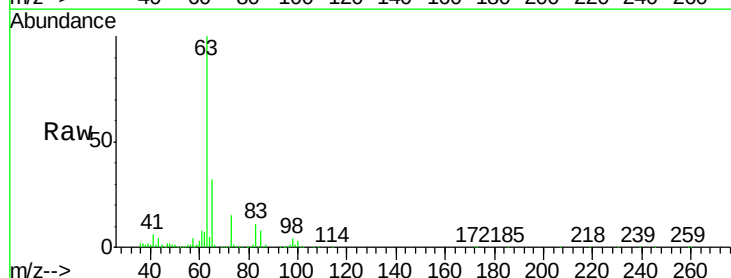
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.9	8.9
42	8.9	7.3	10.9
44	5.6	4.4	6.6

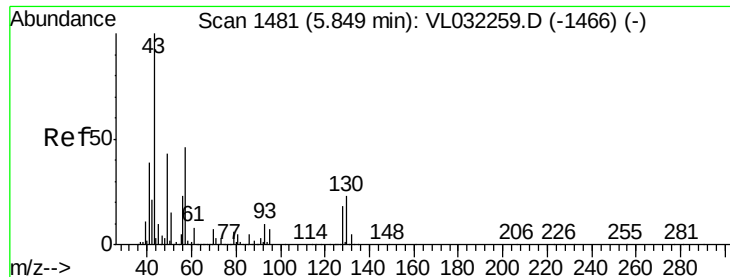


#24
 1,1-Dichloroethane
 Concen: 10.149 ppbv
 RT: 5.16 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VL032290.D
 Acq: 19 Jul 2018 15:05

Tgt Ion: 63 Resp: 2163229

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.3
100	2.6	1.3	3.9



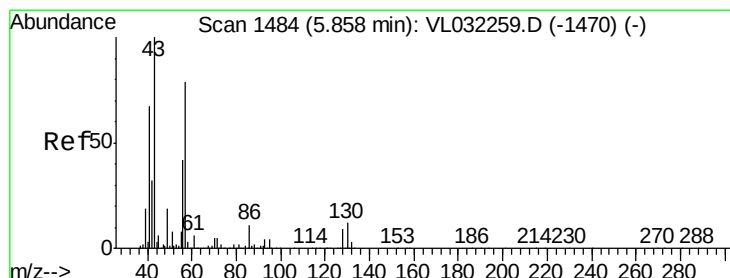
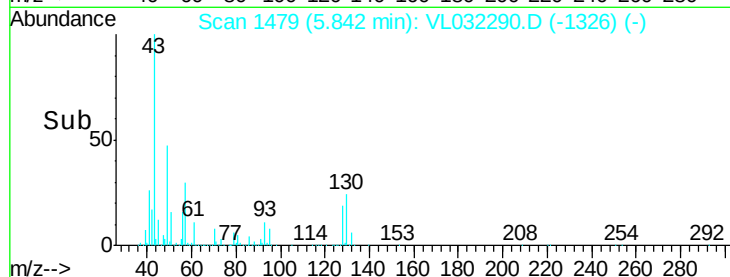
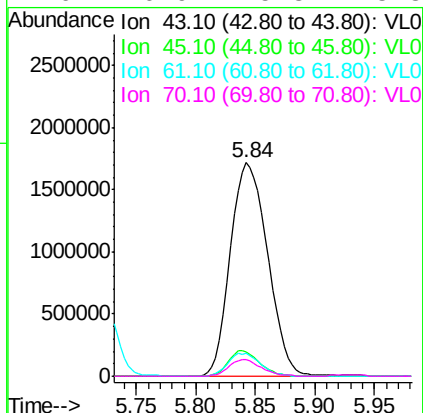
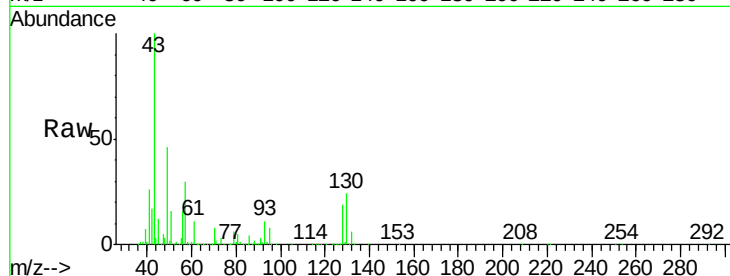


#25
Ethyl Acetate
Concen: 10.456 ppbv
RT: 5.84 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VL032290.D
Acq: 19 Jul 2018 15:05

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3731555

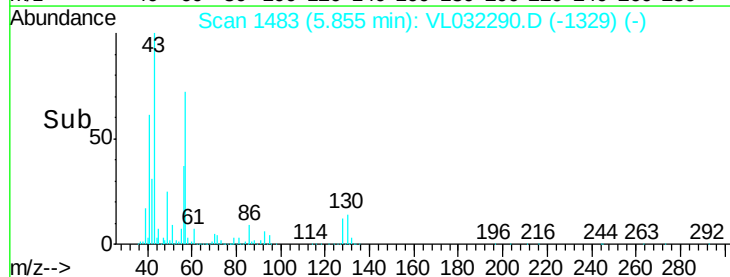
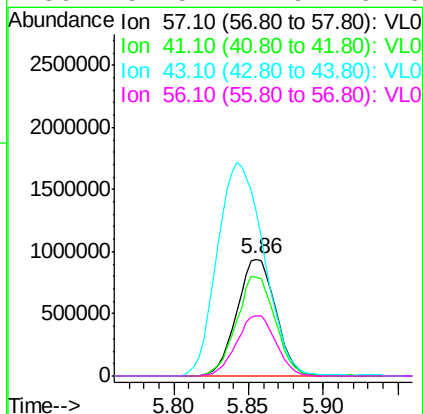
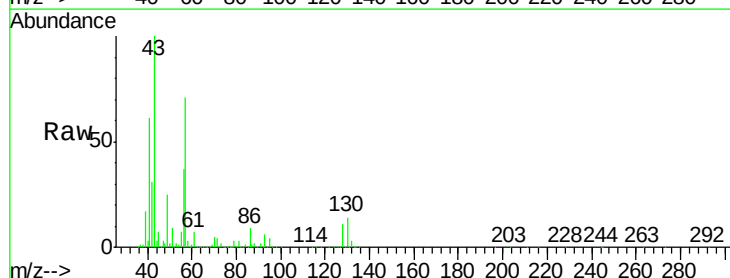
Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.9	11.9
61	9.4	7.6	11.4
70	6.9	5.8	8.8

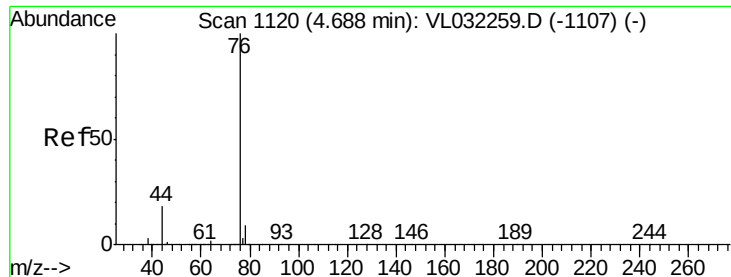


#26
Hexane
Concen: 10.329 ppbv
RT: 5.86 min Scan# 1483
Delta R.T. -0.00 min
Lab File: VL032290.D
Acq: 19 Jul 2018 15:05

Tgt Ion: 57 Resp: 1692866

Ion	Ratio	Lower	Upper
57	100		
41	85.4	67.9	101.9
43	221.3	175.9	263.9
56	52.5	41.9	62.9





#27

Carbon Disulfide

Concen: 11.552 ppbv

RT: 4.69 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

ClientSampleId :

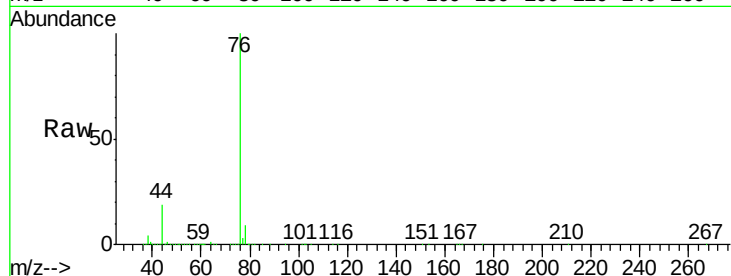
Tot Ion: 76 Resp: 1676465

Ion Ratio Lower Upper

76 100

44 17.4 14.3 21.5

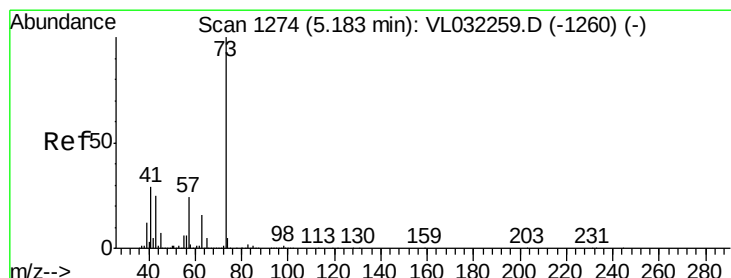
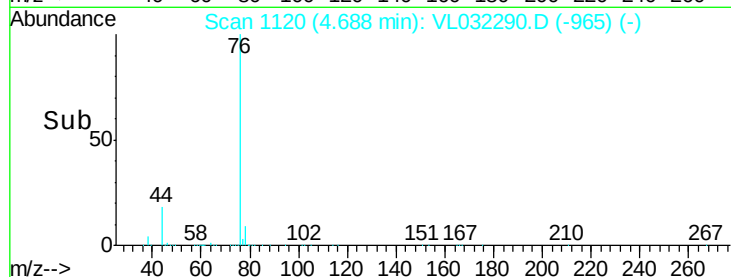
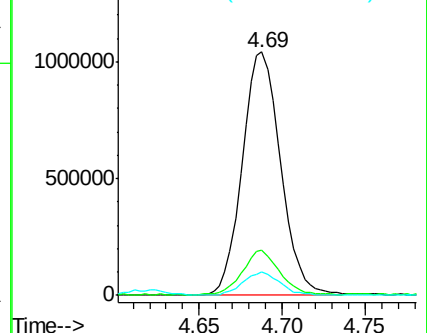
78 9.3 7.4 11.0



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: 10.564 ppbv

RT: 5.18 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VL032290.D

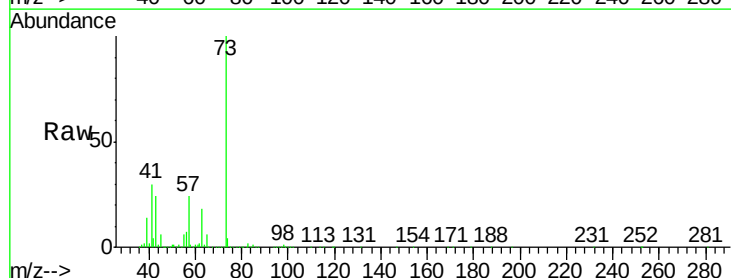
Acq: 19 Jul 2018 15:05

Tgt Ion: 73 Resp: 2566978

Ion Ratio Lower Upper

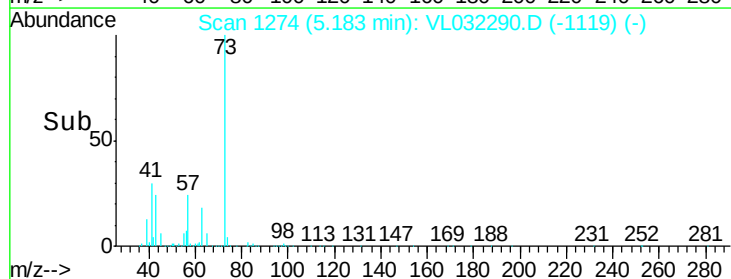
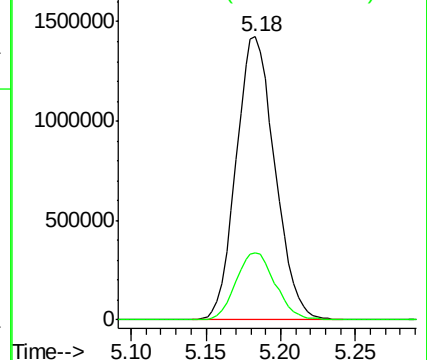
73 100

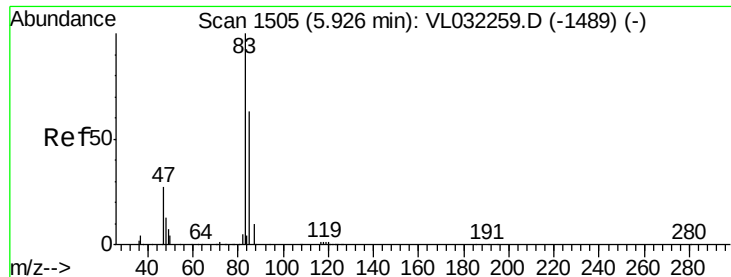
57 24.2 19.3 28.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

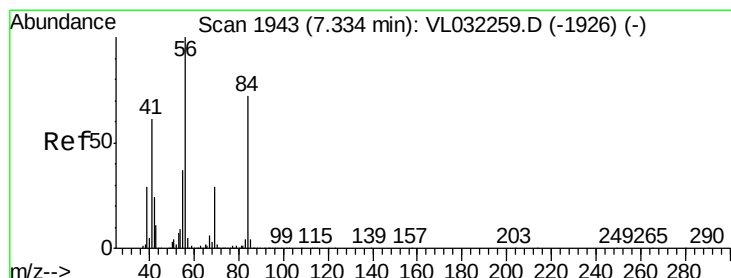
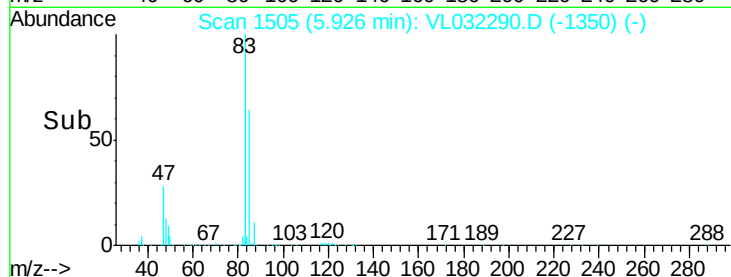
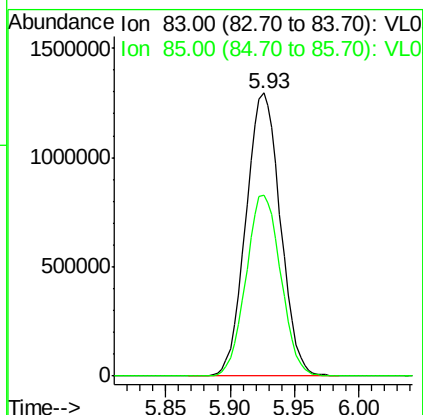
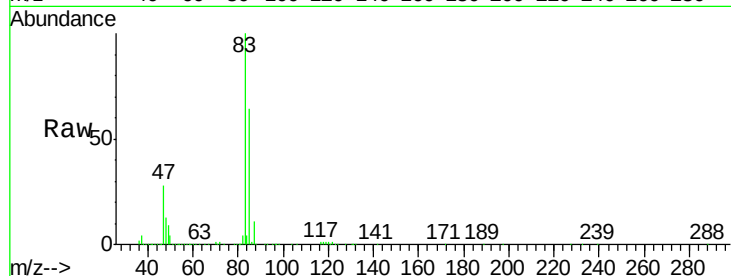




#29
Chloroform
Concen: 10.004 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. -0.00 min
Lab File: VL032290.D
Acq: 19 Jul 2018 15:05

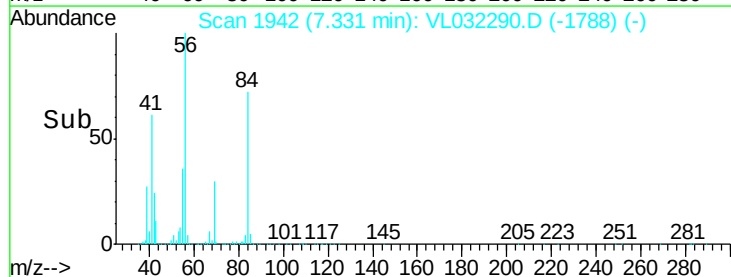
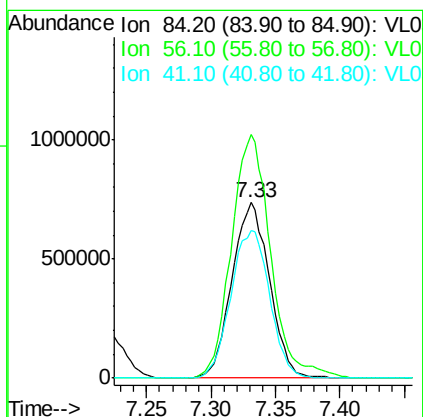
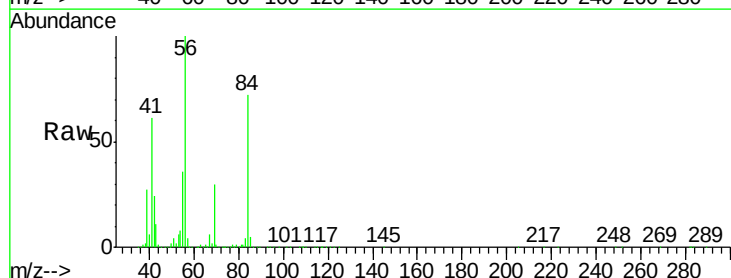
Instrument :
MSVOA_L
ClientSampled :

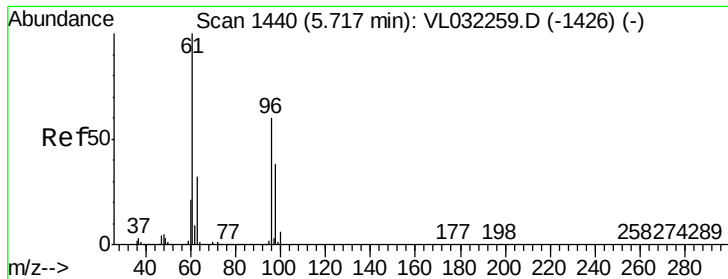
Tot Ion: 83 Resp: 2417381
Ion Ratio Lower Upper
83 100
85 64.0 50.7 76.1



#30
Cyclohexane
Concen: 10.797 ppbv
RT: 7.33 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VL032290.D
Acq: 19 Jul 2018 15:05

Tgt Ion: 84 Resp: 1484776
Ion Ratio Lower Upper
84 100
56 145.5 115.6 173.4
41 87.8 68.7 103.1





#31

cis-1,2-Dichloroethene

Concen: 10.843 ppbv

RT: 5.72 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

ClientSampleId :

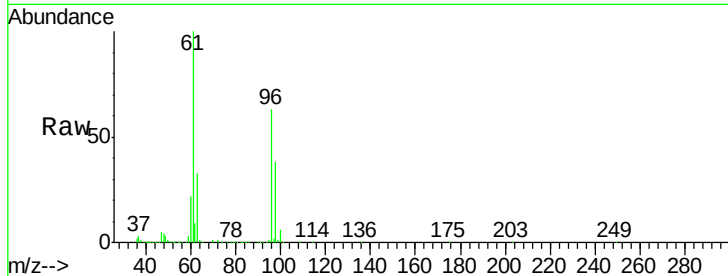
Tot Ion: 61 Resp: 1703793

Ion Ratio Lower Upper

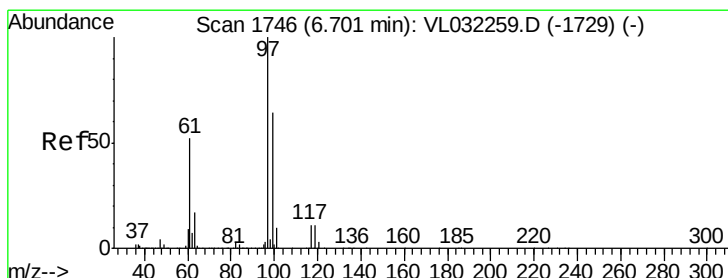
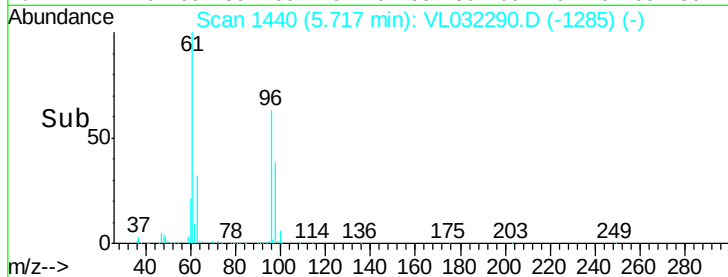
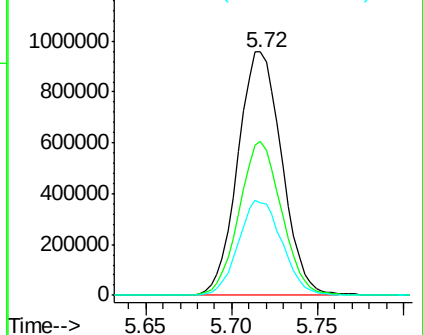
61 100

96 63.1 47.9 71.9

98 38.2 30.5 45.7



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.889 ppbv

RT: 6.70 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

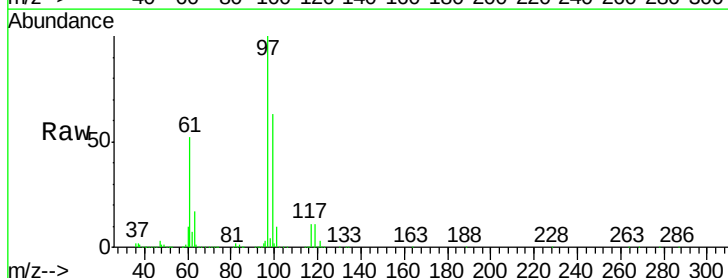
Tgt Ion: 97 Resp: 2417718

Ion Ratio Lower Upper

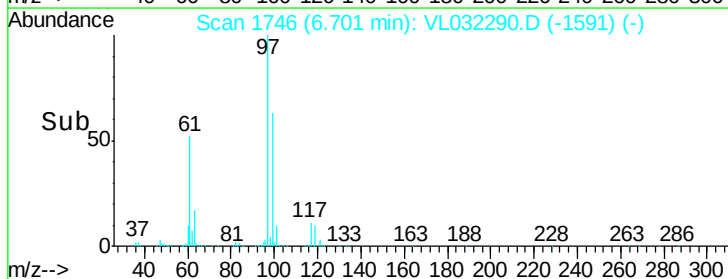
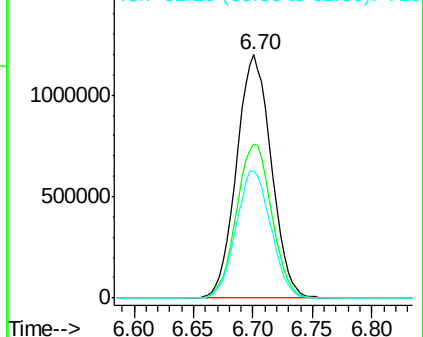
97 100

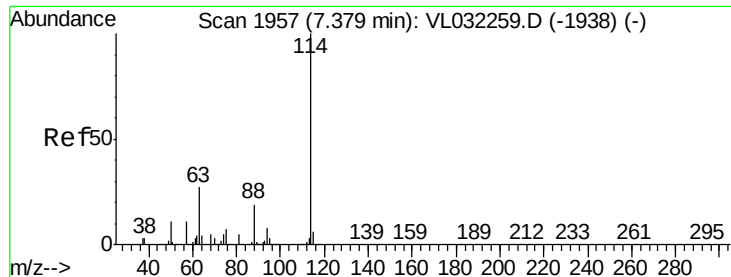
99 64.5 51.0 76.6

61 52.7 41.2 61.8



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

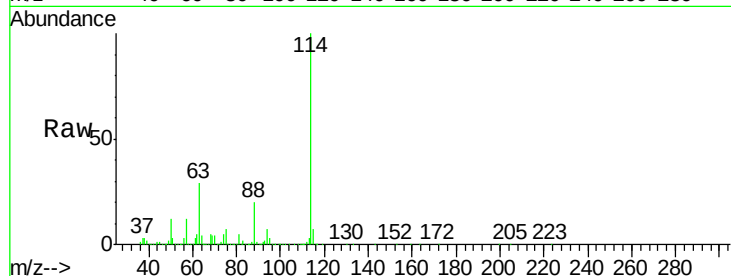




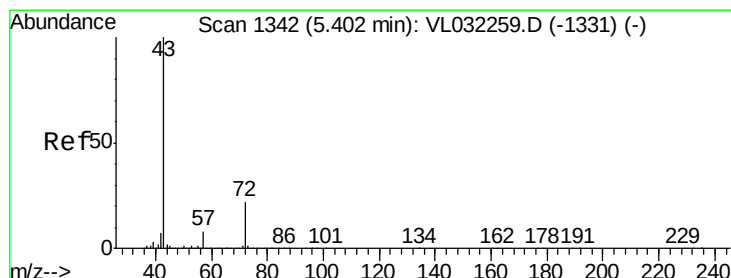
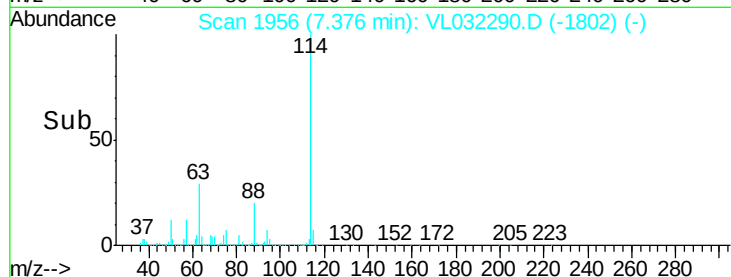
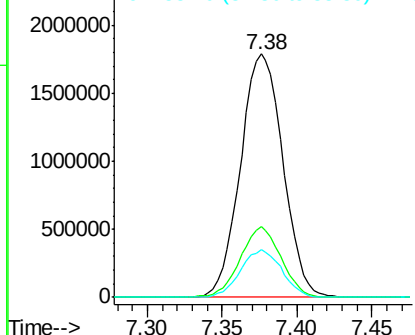
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VL032290.D
 Acq: 19 Jul 2018 15:05

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3524545
 Ion Ratio Lower Upper
 114 100
 63 28.4 22.6 33.8
 88 19.2 15.2 22.8

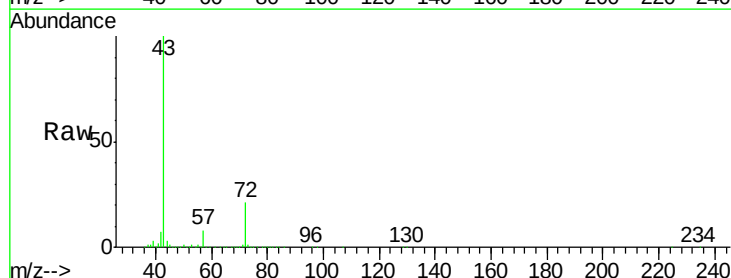


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

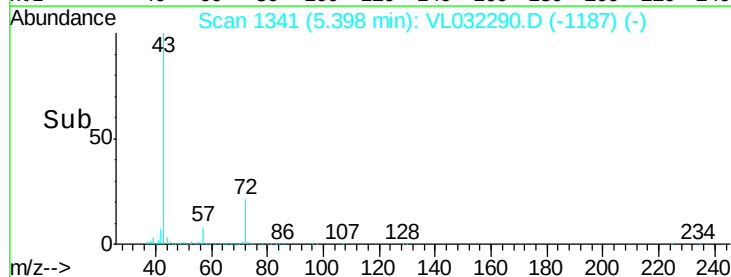
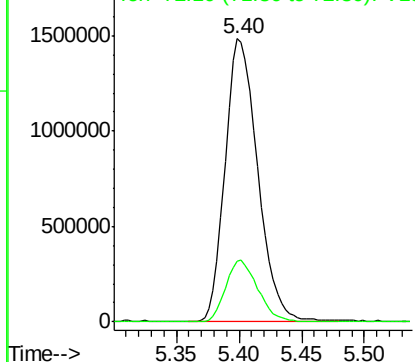


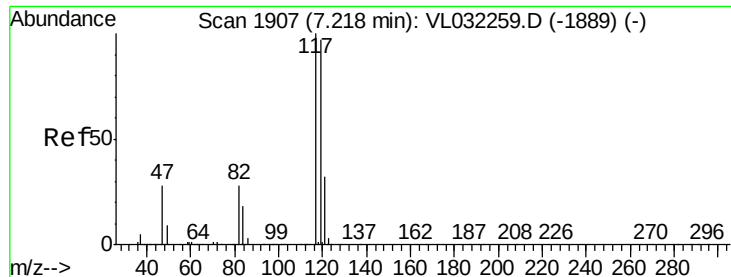
#34
 2-Butanone
 Concen: 11.035 ppbv
 RT: 5.40 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: VL032290.D
 Acq: 19 Jul 2018 15:05

Tgt Ion: 43 Resp: 2668705
 Ion Ratio Lower Upper
 43 100
 72 21.8 17.7 26.5



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





#35

Carbon Tetrachloride

Concen: 9.935 ppbv

RT: 7.22 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

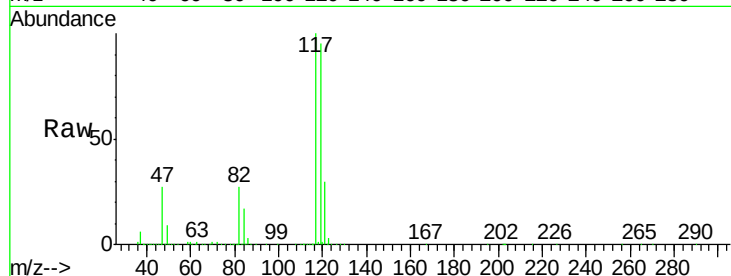
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 2408256

Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.4	116.0
121	30.0	25.4	38.2

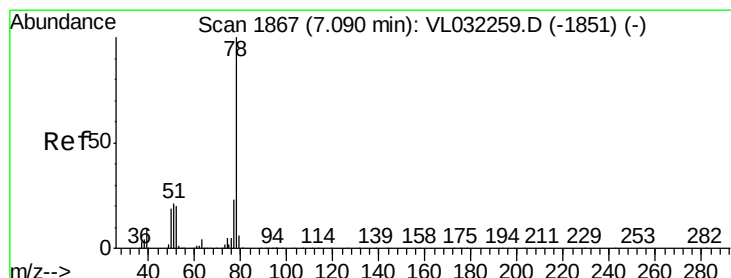
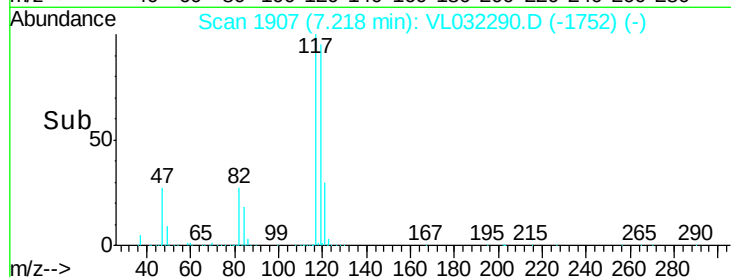
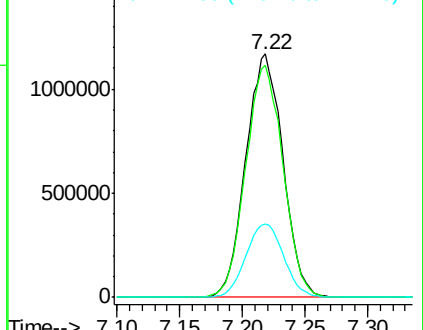


Abundance

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: 10.726 ppbv

RT: 7.09 min Scan# 1867

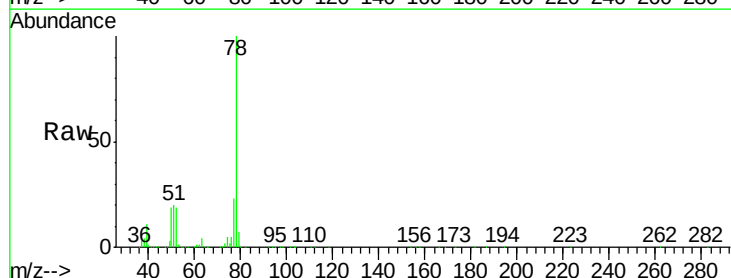
Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Tgt Ion: 78 Resp: 3721366

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	27.8
50	19.0	15.0	22.6

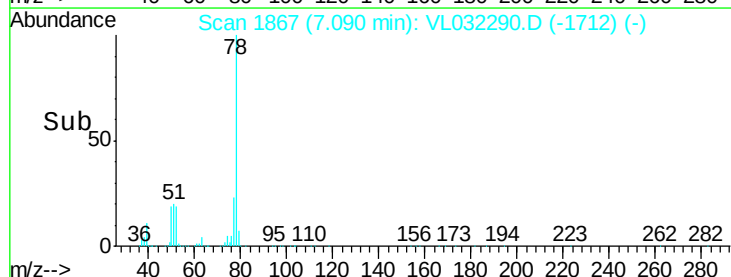
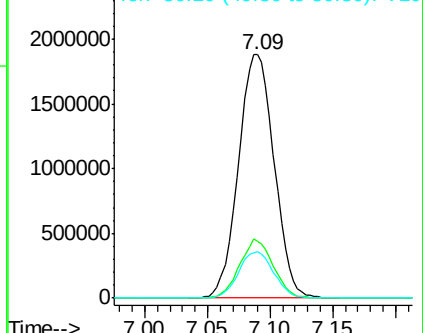


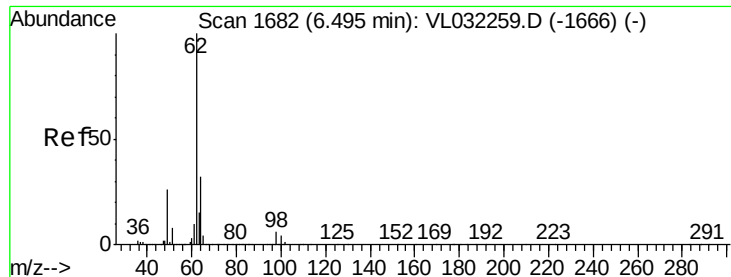
Abundance

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

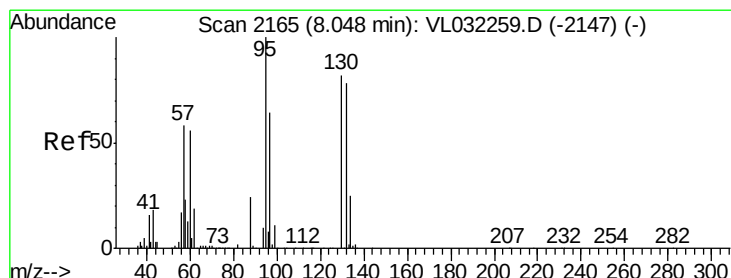
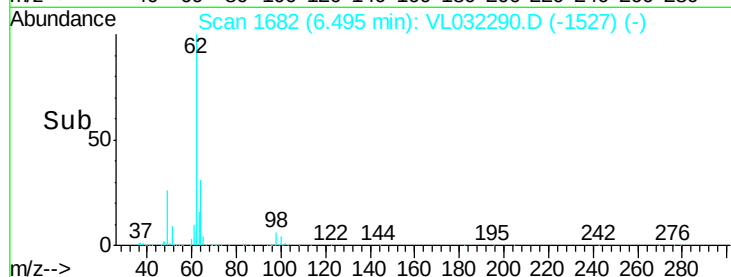
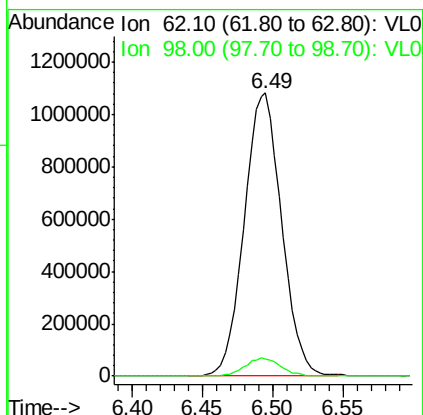
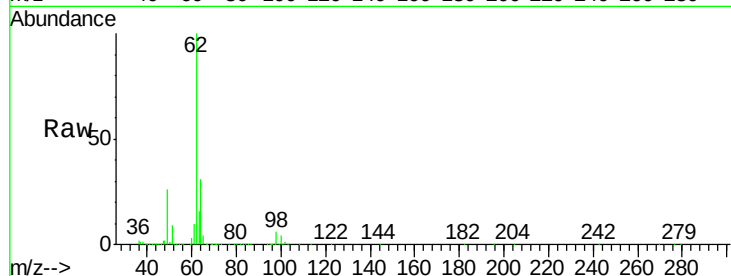




#37
 1,2-Dichloroethane
 Concen: 9.790 ppbv
 RT: 6.49 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VL032290.D
 Acq: 19 Jul 2018 15:05

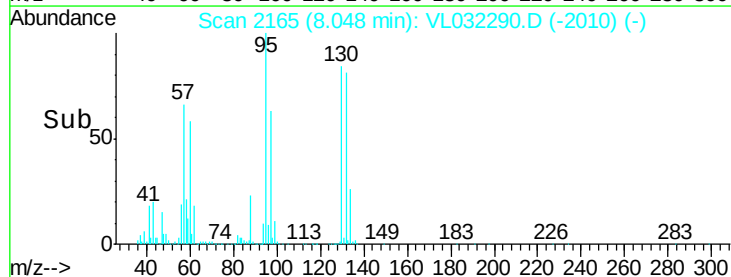
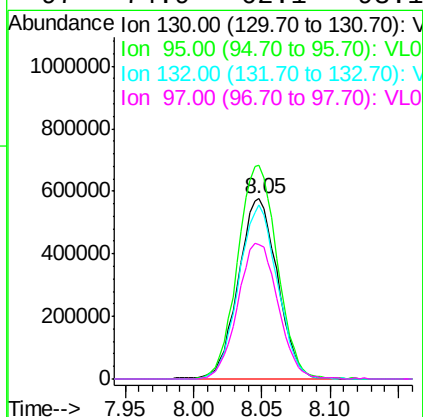
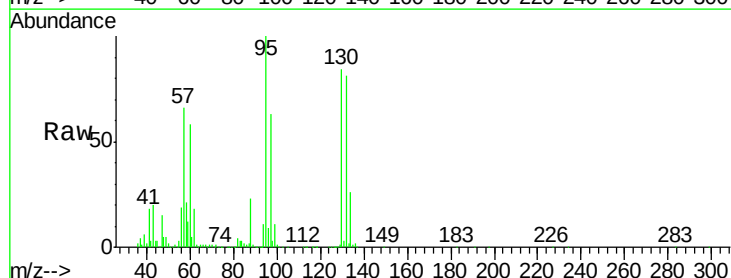
Instrument :
 MSVOA_L
 ClientSampleId :

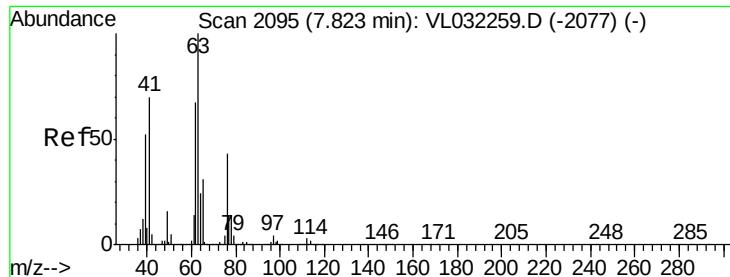
Tot Ion: 62 Resp: 2006530
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.9 7.3



#38
 Trichloroethene
 Concen: 9.921 ppbv
 RT: 8.05 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VL032290.D
 Acq: 19 Jul 2018 15:05

Tgt Ion: 130 Resp: 1138730
 Ion Ratio Lower Upper
 130 100
 95 118.9 97.1 145.7
 132 96.8 75.6 113.4
 97 74.9 62.1 93.1





#39

1,2-Dichloropropane

Concen: 10.229 ppbv

RT: 7.82 min Scan# 2095

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

ClientSampleId :

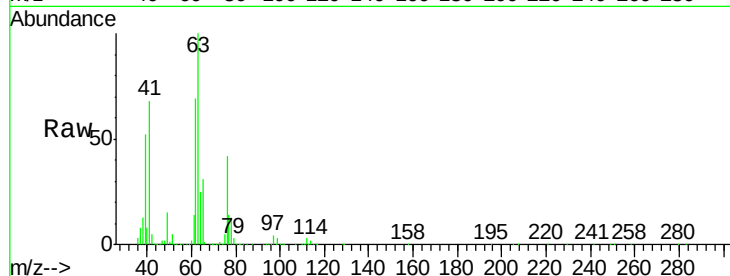
Tot Ion: 63 Resp: 1404956

Ion Ratio Lower Upper

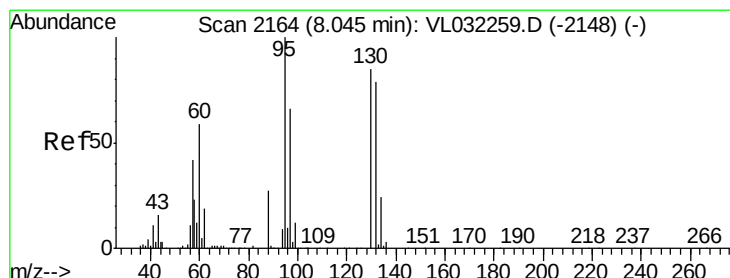
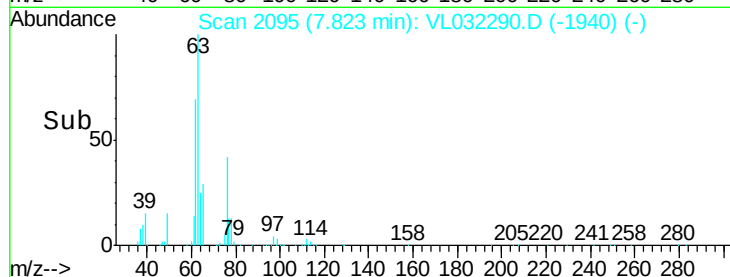
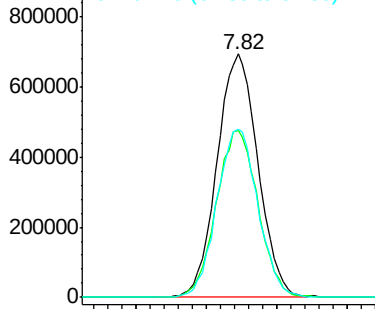
63 100

41 68.3 55.8 83.6

62 69.0 53.8 80.8



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: 10.222 ppbv

RT: 8.04 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Tgt Ion: 88 Resp: 414701

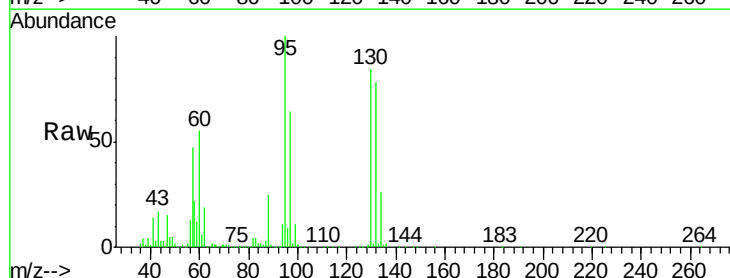
Ion Ratio Lower Upper

88 100

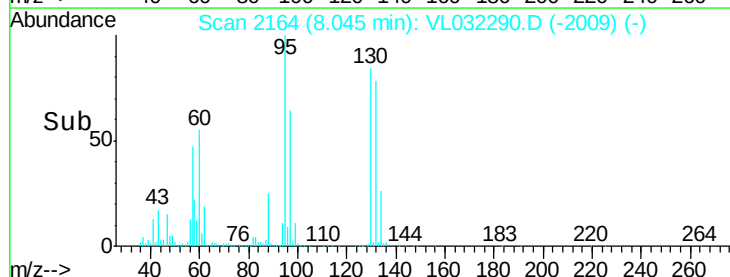
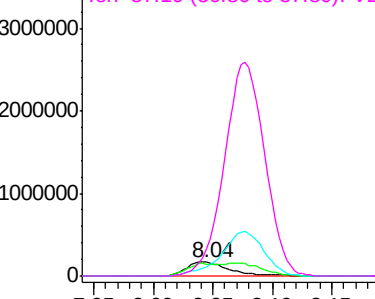
58 151.6 60.9 91.3#

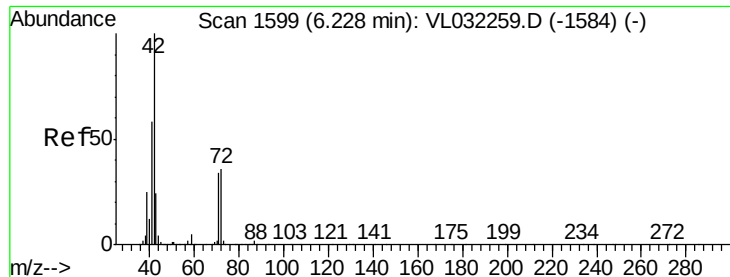
43 323.8 0.0 0.0#

57 1469.8 0.0 0.0#



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: 11.428 ppbv

RT: 6.22 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :
MSVOA_L
ClientSampleId :

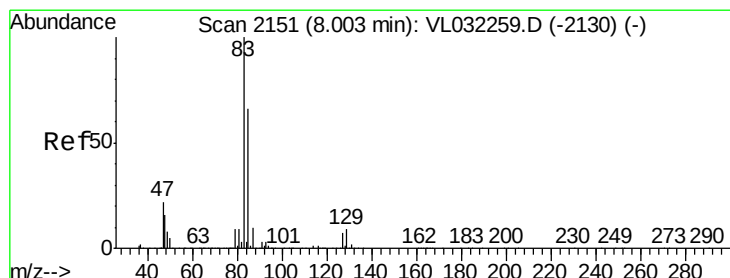
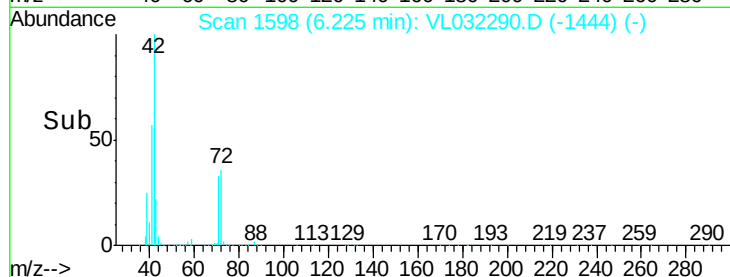
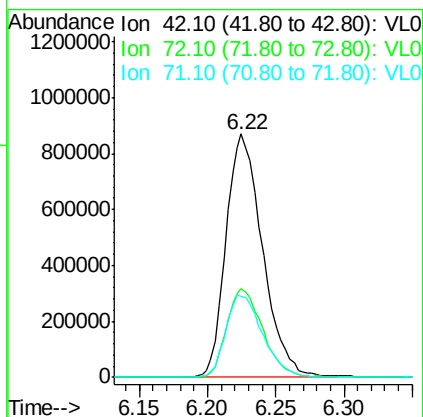
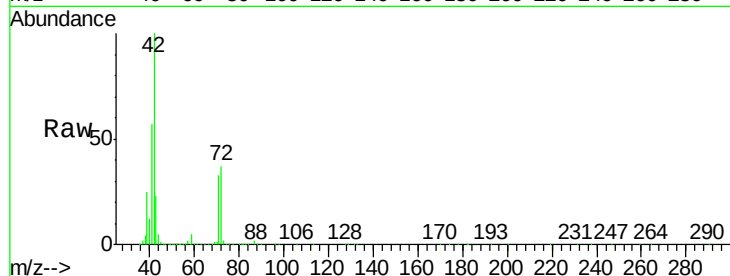
Tot Ion: 42 Resp: 1612303

Ion Ratio Lower Upper

42 100

72 36.6 29.4 44.0

71 34.6 28.2 42.4



#42

Bromodichloromethane

Concen: 10.197 ppbv

RT: 8.01 min Scan# 2152

Delta R.T. 0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

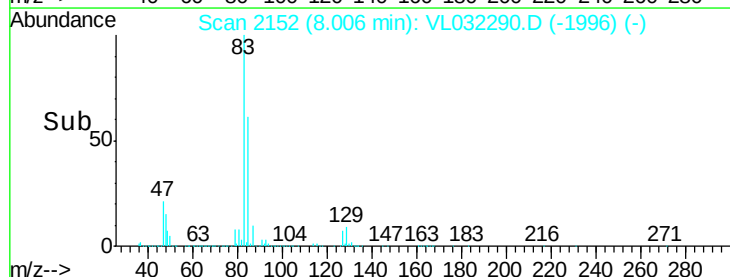
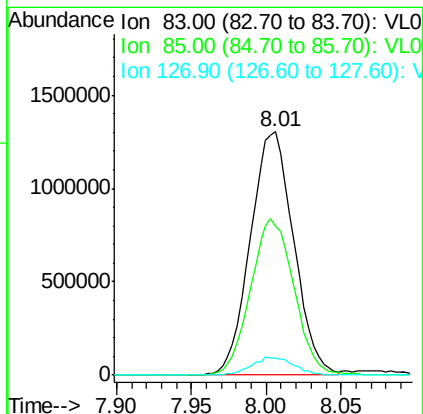
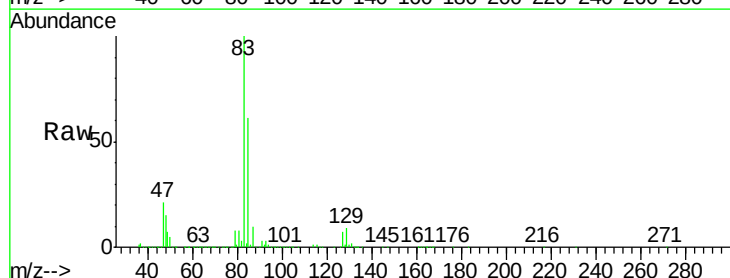
Tgt Ion: 83 Resp: 2631108

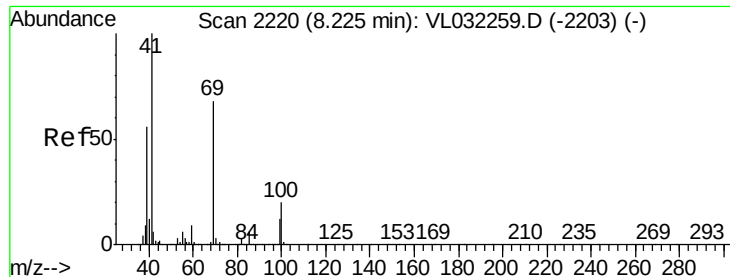
Ion Ratio Lower Upper

83 100

85 61.3 53.0 79.4

127 7.1 5.7 8.5

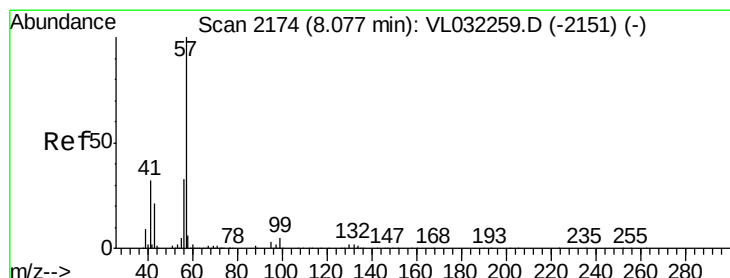
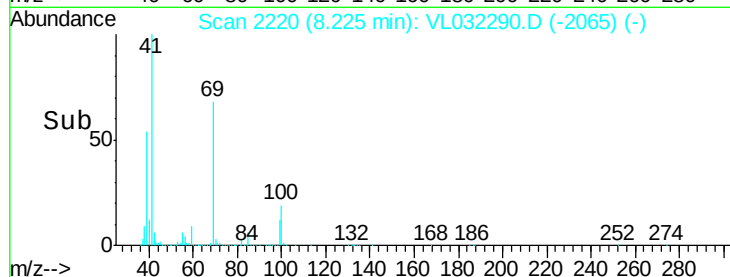
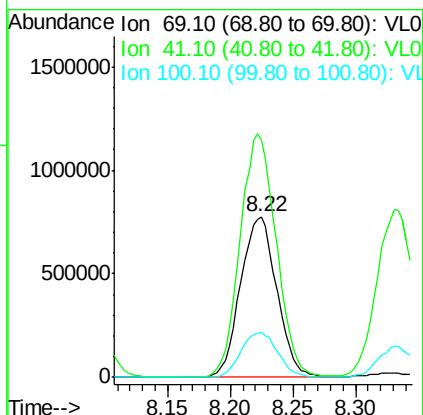
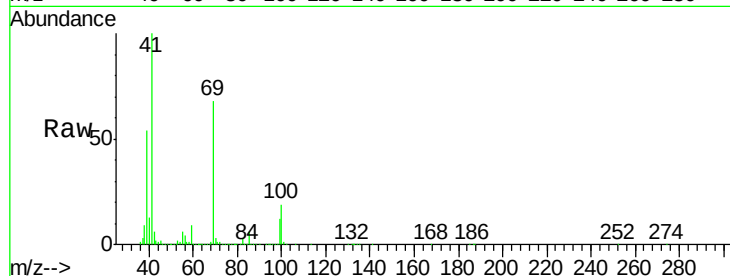




#43
Methyl Methacrylate
Concen: 10.955 ppbv
RT: 8.22 min Scan# 2220
Delta R.T. -0.00 min
Lab File: VL032290.D
Acq: 19 Jul 2018 15:05

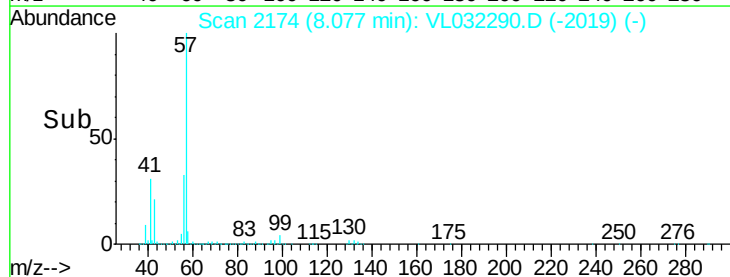
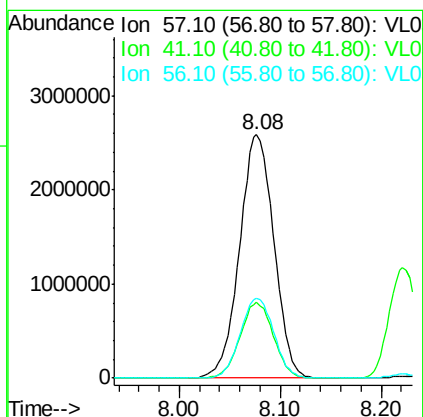
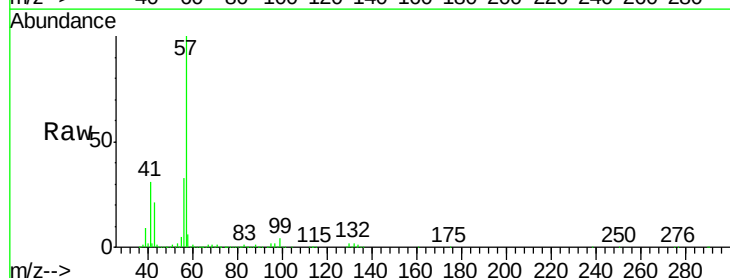
Instrument :
MSVOA_L
ClientSampleId :

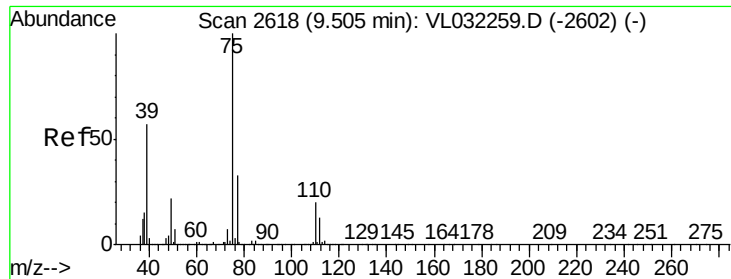
Tot Ion: 69 Resp: 1557788
Ion Ratio Lower Upper
69 100
41 151.0 118.6 177.8
100 28.6 23.3 34.9



#44
2,2,4-Trimethylpentane
Concen: 10.068 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VL032290.D
Acq: 19 Jul 2018 15:05

Tgt Ion: 57 Resp: 6087543
Ion Ratio Lower Upper
57 100
41 30.2 24.4 36.6
56 32.2 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 11.309 ppbv

RT: 9.50 min Scan# 2618

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

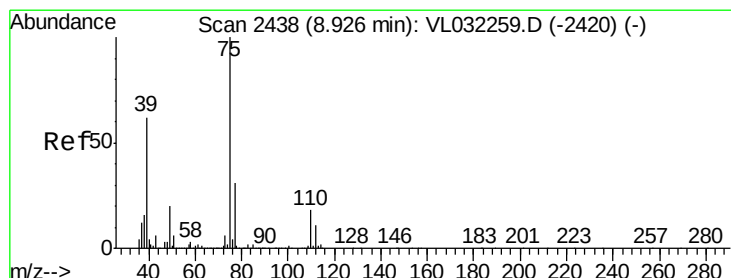
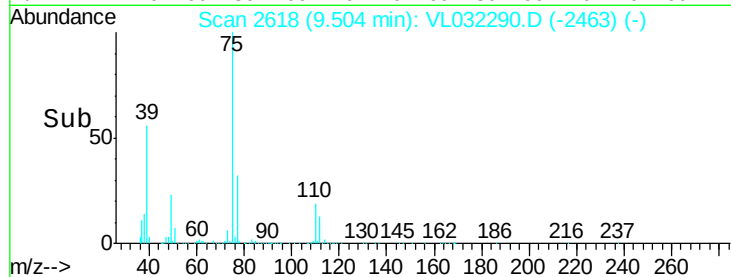
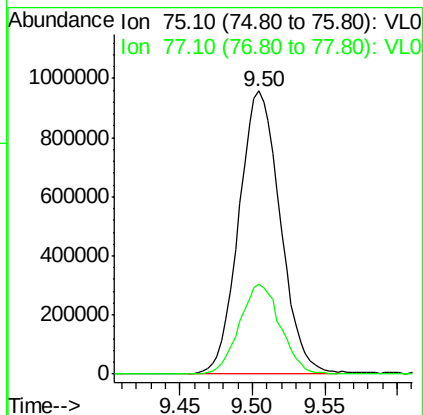
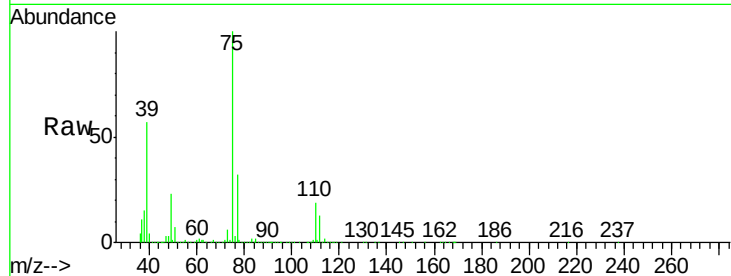
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 75 Resp: 1894719

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.4



#46

cis-1,3-Dichloropropene

Concen: 10.937 ppbv

RT: 8.92 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

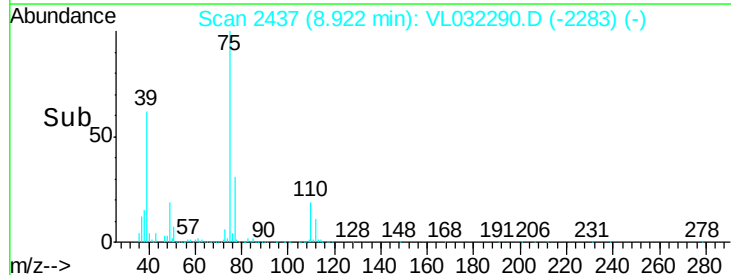
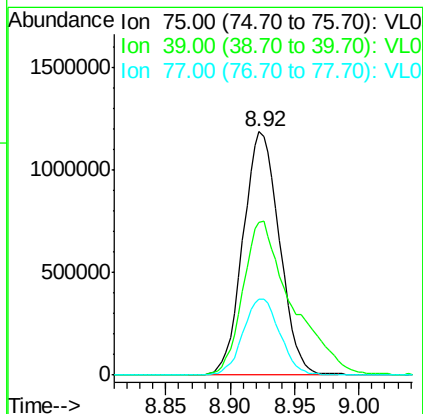
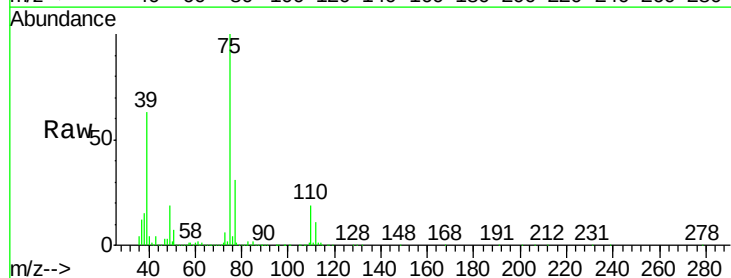
Tgt Ion: 75 Resp: 2336979

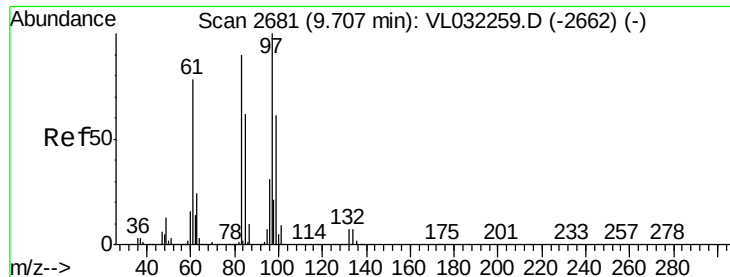
Ion Ratio Lower Upper

75 100

39 62.4 49.9 74.9

77 31.0 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 9.507 ppbv

RT: 9.71 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 97 Resp: 1411215

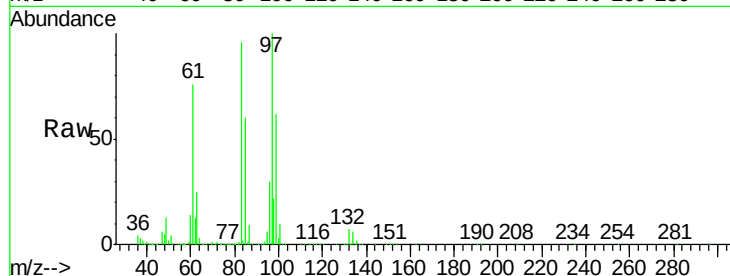
Ion	Ratio	Lower	Upper
97	100		
83	95.4	72.3	108.5
85	59.9	49.5	74.3
99	62.3	48.9	73.3

97 100

83 95.4 72.3 108.5

85 59.9 49.5 74.3

99 62.3 48.9 73.3

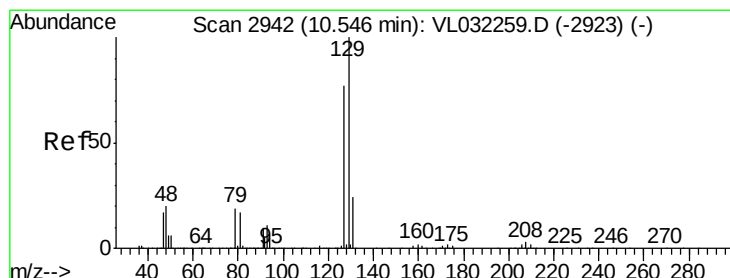
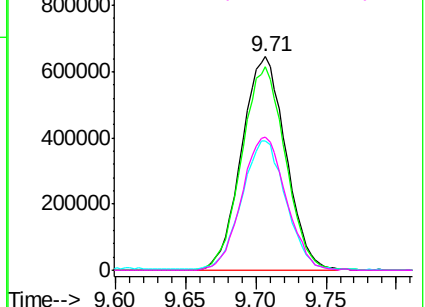
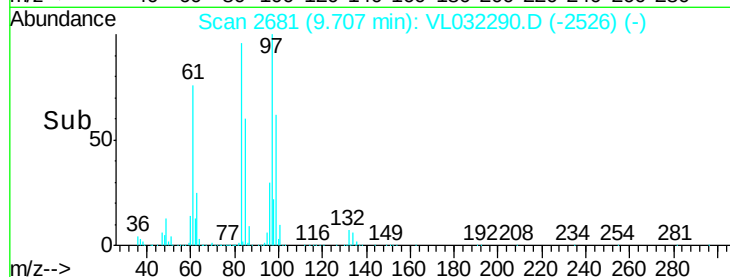


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.909 ppbv

RT: 10.54 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VL032290.D

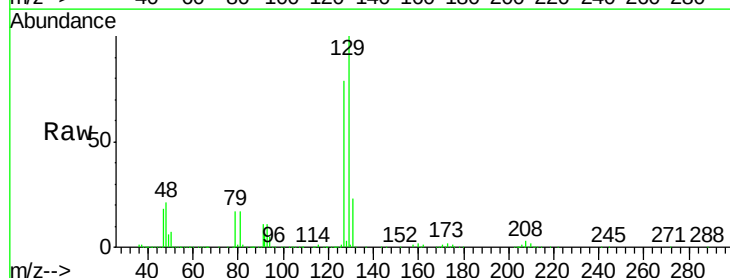
Acq: 19 Jul 2018 15:05

Tgt Ion: 129 Resp: 2361588

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.1	117.3

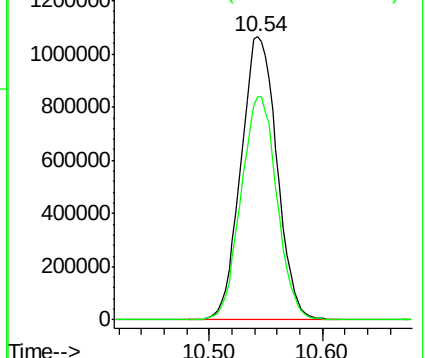
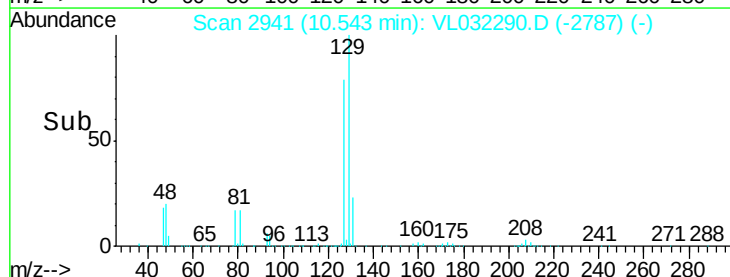
129 100

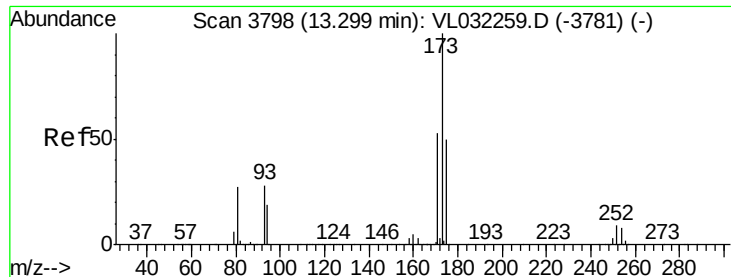
127 78.6 39.1 117.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.897 ppbv

RT: 13.30 min Scan# 3798

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

ClientSampleId :

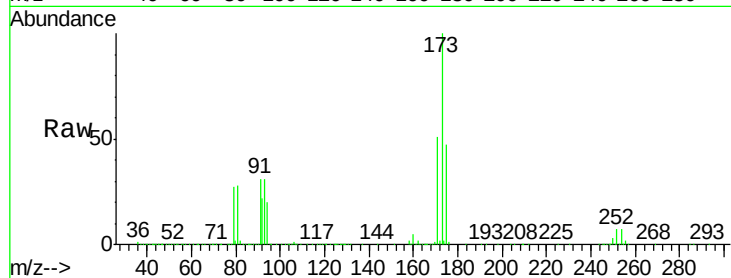
Tot Ion:173 Resp: 2058595

Ion Ratio Lower Upper

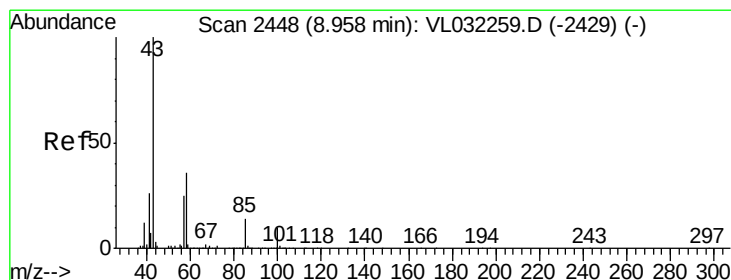
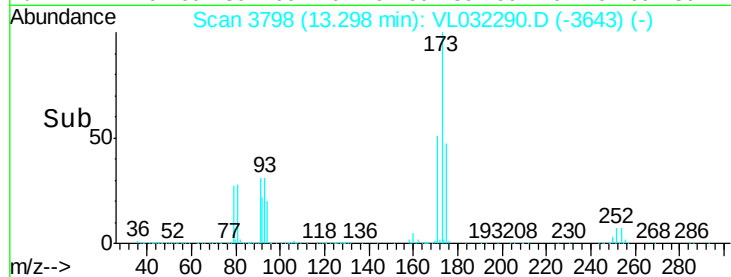
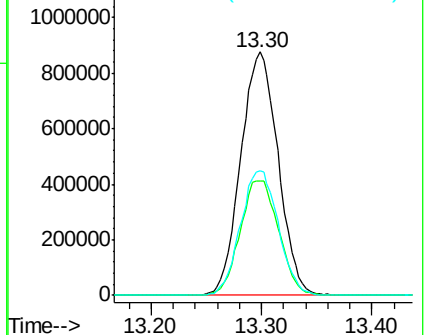
173 100

175 48.8 39.0 58.6

171 52.1 41.6 62.4



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: 10.379 ppbv

RT: 8.96 min Scan# 2448

Delta R.T. -0.00 min

Lab File: VL032290.D

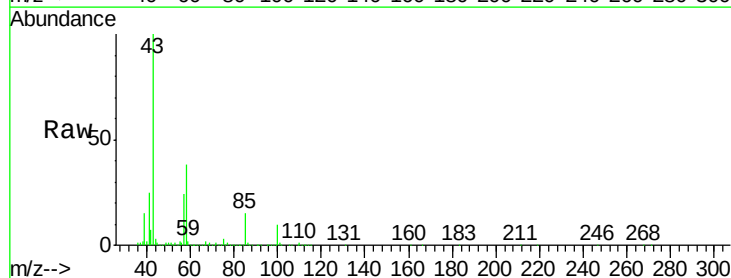
Acq: 19 Jul 2018 15:05

Tgt Ion: 43 Resp: 4130605

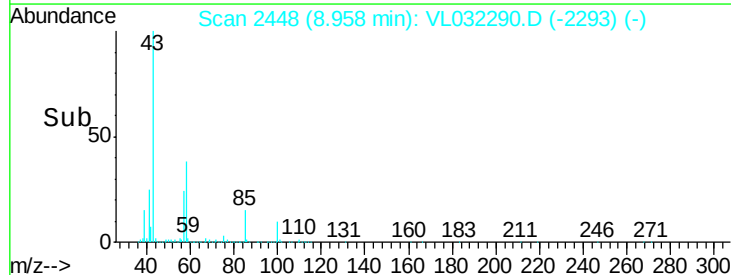
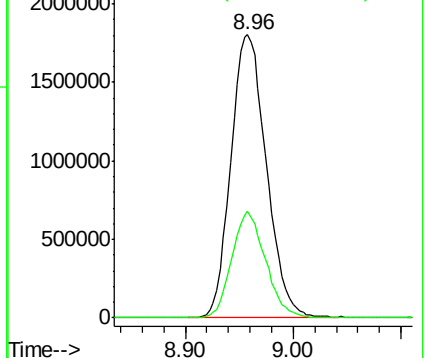
Ion Ratio Lower Upper

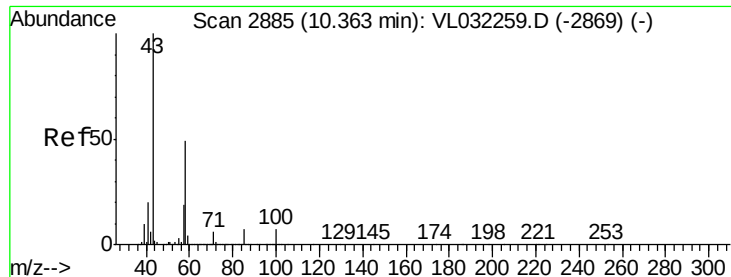
43 100

58 35.9 29.2 43.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 12.535 ppbv

RT: 10.36 min Scan# 2884

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

ClientSampleId :

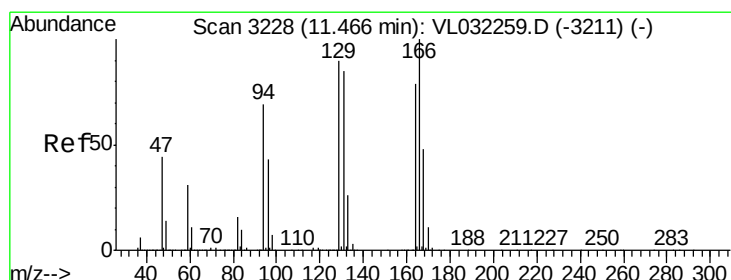
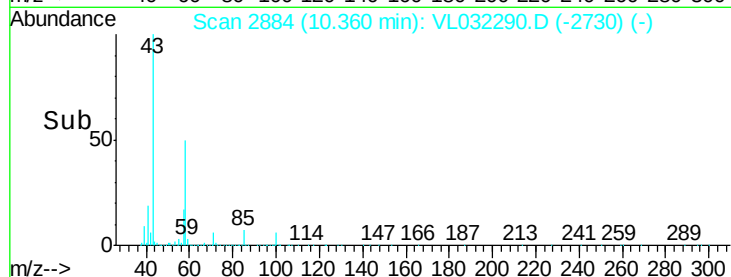
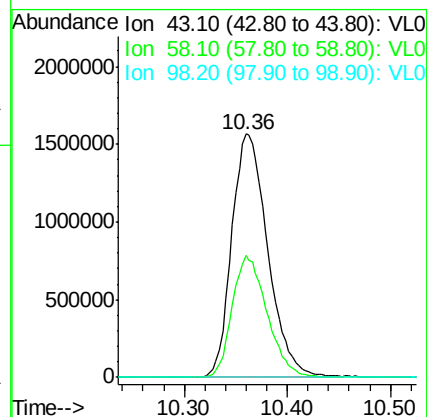
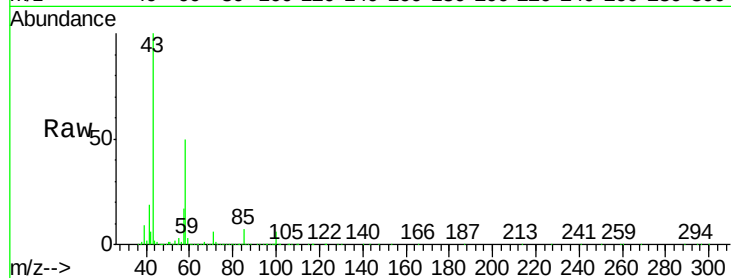
Tot Ion: 43 Resp: 3802857

Ion Ratio Lower Upper

43 100

58 48.7 39.4 59.2

98 0.3 0.2 0.2#



#52

Tetrachloroethene

Concen: 10.328 ppbv

RT: 11.47 min Scan# 3228

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Tgt Ion:164 Resp: 1223719

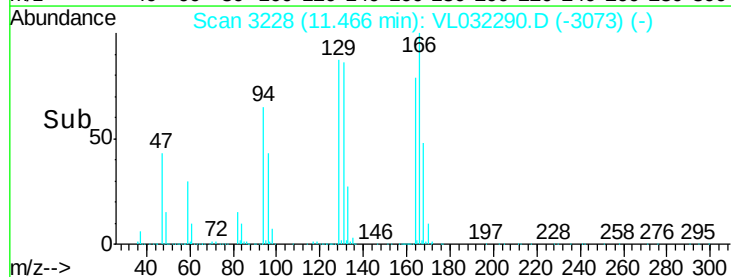
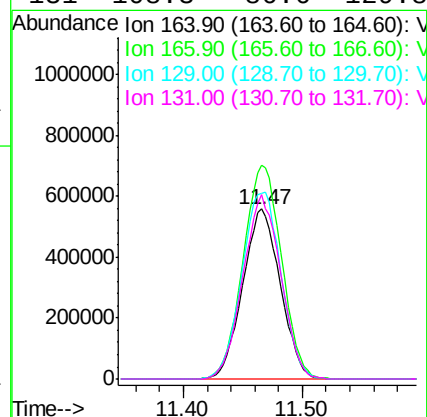
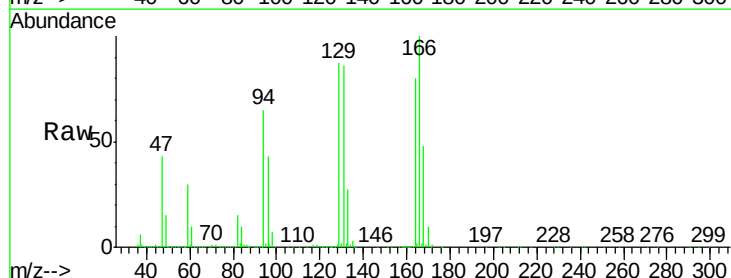
Ion Ratio Lower Upper

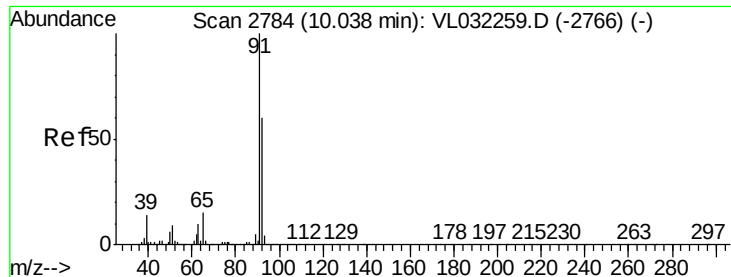
164 100

166 125.7 101.7 152.5

129 109.5 91.5 137.3

131 108.3 86.6 129.8





#53

Toluene

Concen: 9.528 ppbv

RT: 10.04 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

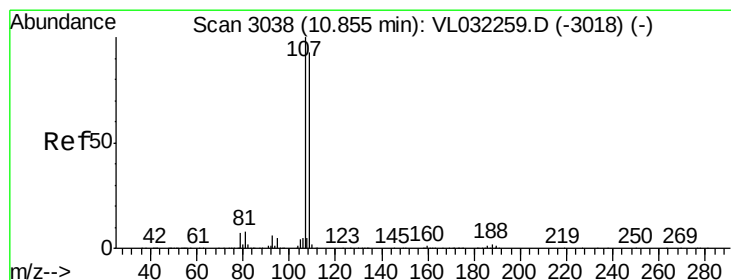
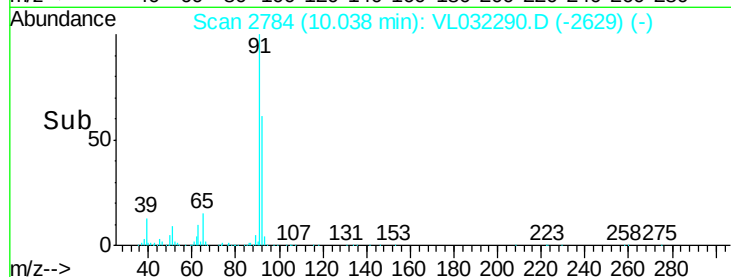
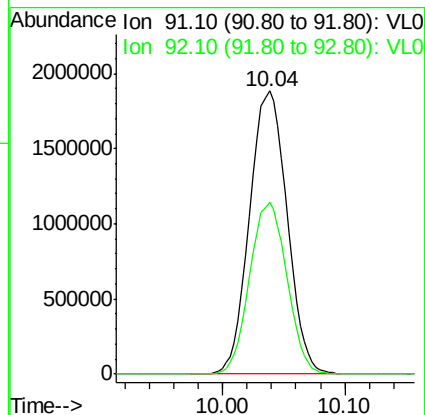
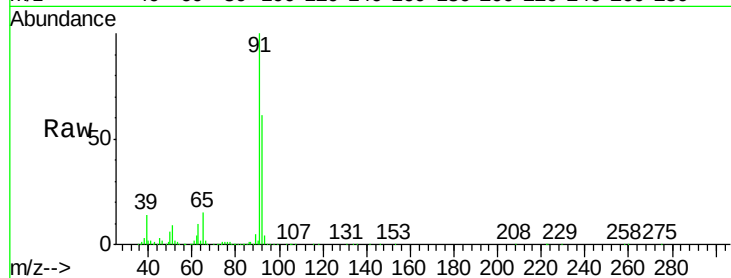
ClientSampleId :

Tot Ion: 91 Resp: 4007325

Ion Ratio Lower Upper

91 100

92 60.3 48.6 72.8



#54

1,2-Dibromoethane

Concen: 10.375 ppbv

RT: 10.85 min Scan# 3038

Delta R.T. -0.00 min

Lab File: VL032290.D

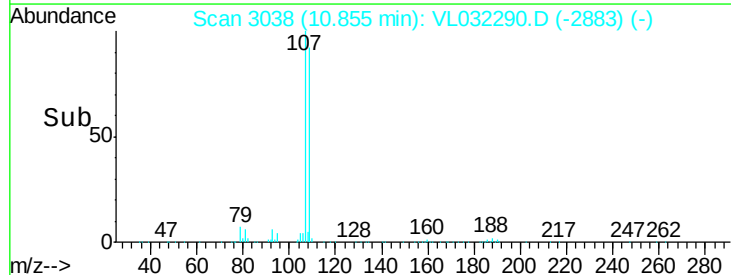
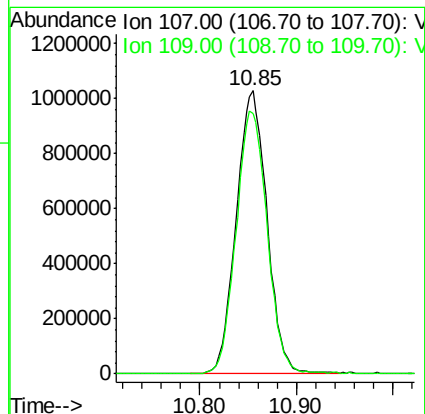
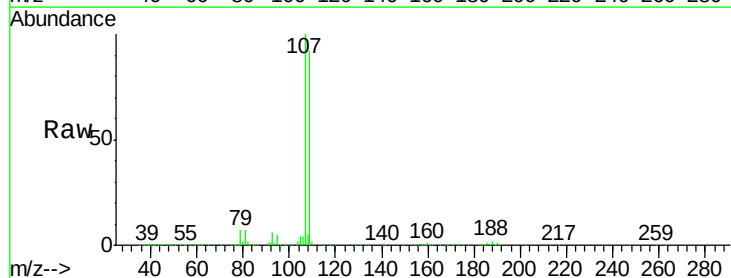
Acq: 19 Jul 2018 15:05

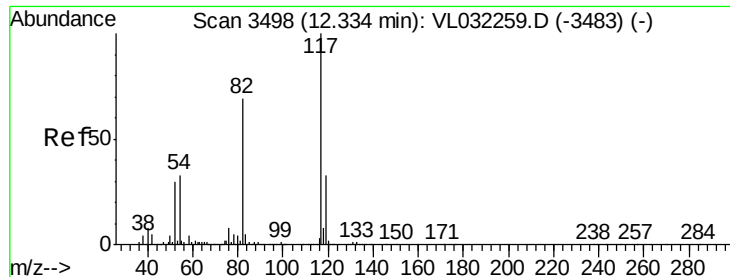
Tgt Ion: 107 Resp: 2271915

Ion Ratio Lower Upper

107 100

109 91.9 74.8 112.2

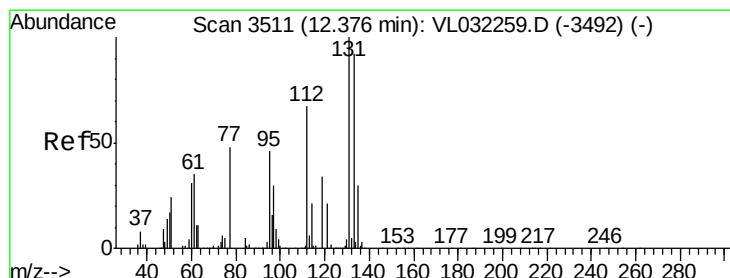
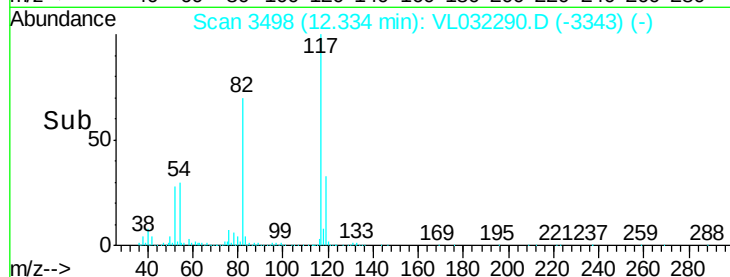
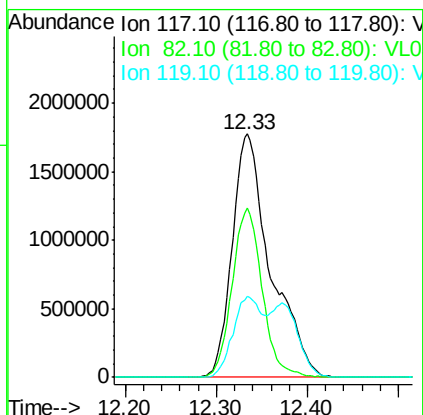
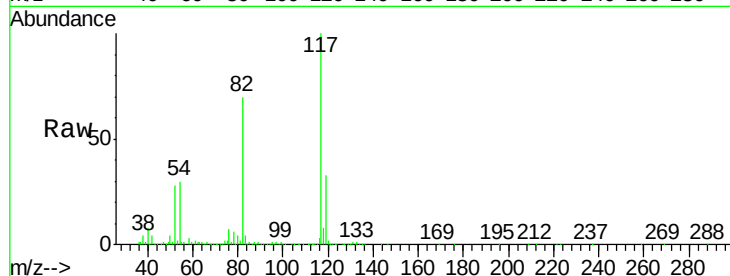




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. -0.00 min
Lab File: VL032290.D
Acq: 19 Jul 2018 15:05

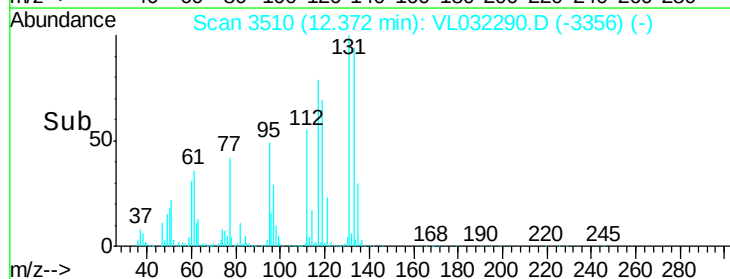
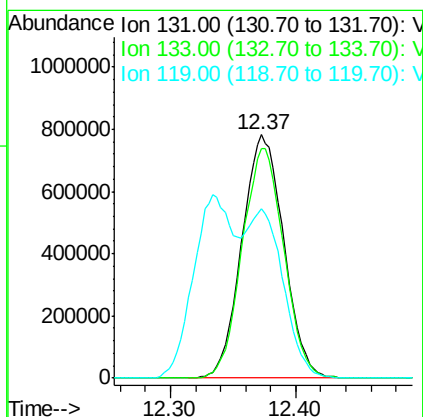
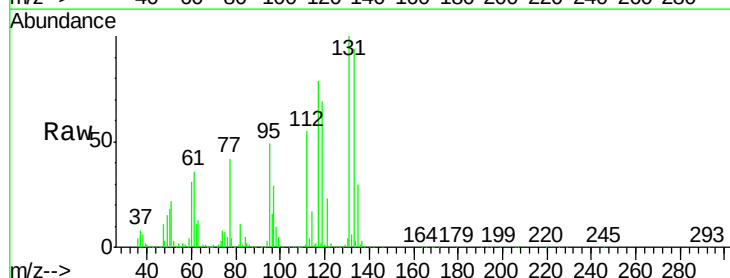
Instrument :
MSVOA_L
ClientSampleId :

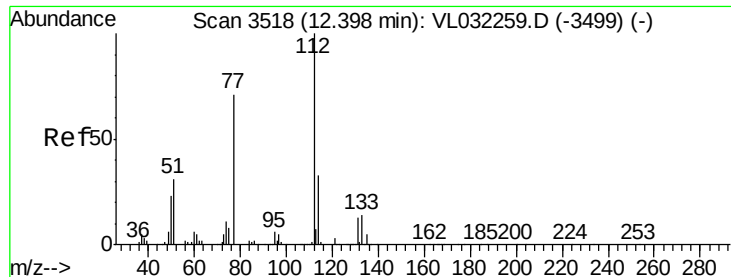
Tot Ion:117 Resp: 5197795
Ion Ratio Lower Upper
117 100
82 54.8 53.9 80.9
119 23.2 25.5 38.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.823 ppbv
RT: 12.37 min Scan# 3510
Delta R.T. -0.00 min
Lab File: VL032290.D
Acq: 19 Jul 2018 15:05

Tgt Ion:131 Resp: 1811005
Ion Ratio Lower Upper
131 100
133 94.3 75.4 113.0
119 60.7 49.4 74.2





#57

Chlorobenzene

Concen: 7.827 ppbv

RT: 12.39 min Scan# 3517

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

ClientSampleId :

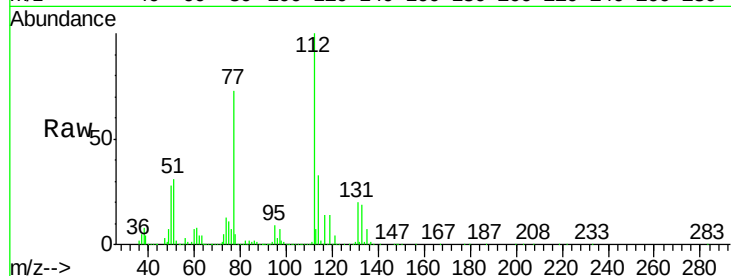
Tot Ion:112 Resp: 3337557

Ion Ratio Lower Upper

112 100

77 72.7 58.2 87.4

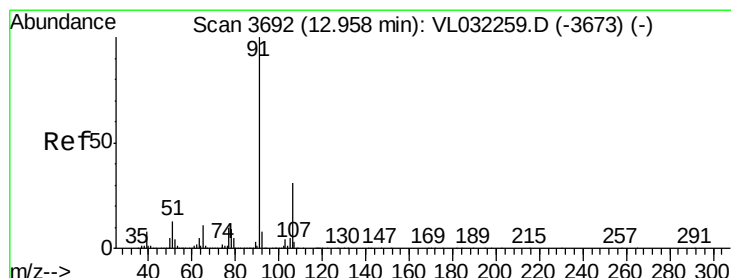
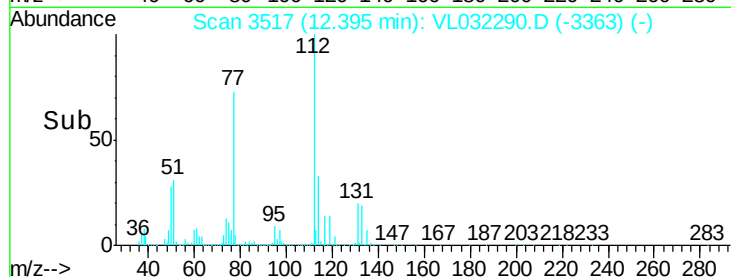
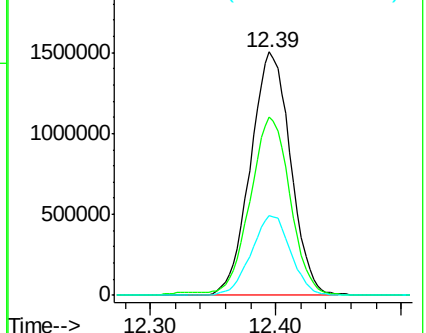
114 32.5 29.5 36.1



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: 8.494 ppbv

RT: 12.96 min Scan# 3692

Delta R.T. -0.00 min

Lab File: VL032290.D

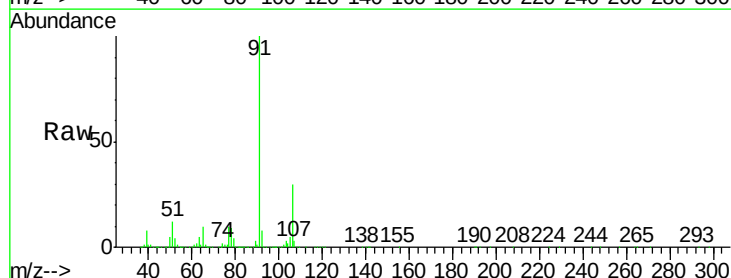
Acq: 19 Jul 2018 15:05

Tgt Ion: 91 Resp: 6221295

Ion Ratio Lower Upper

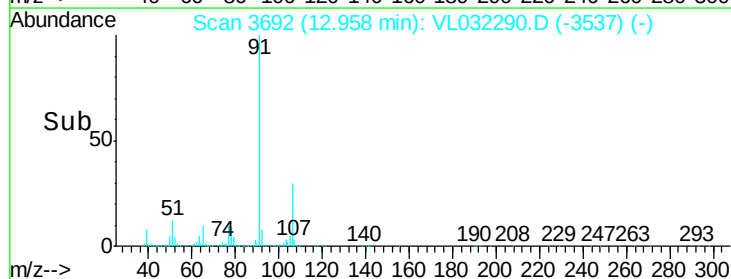
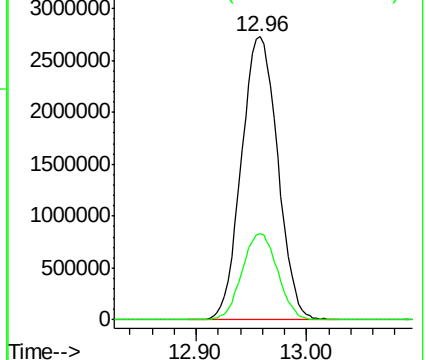
91 100

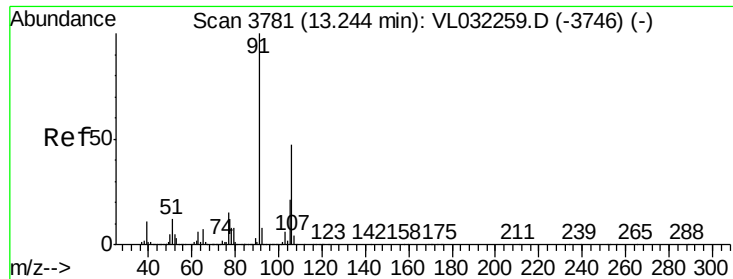
106 30.3 24.5 36.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

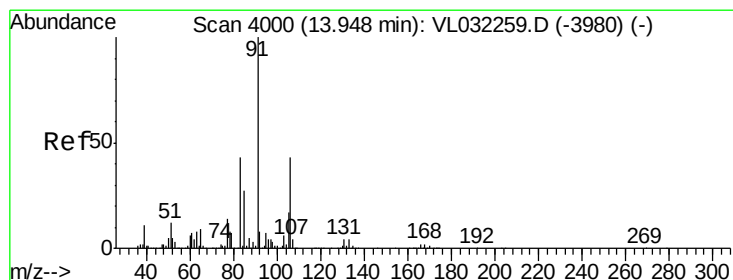
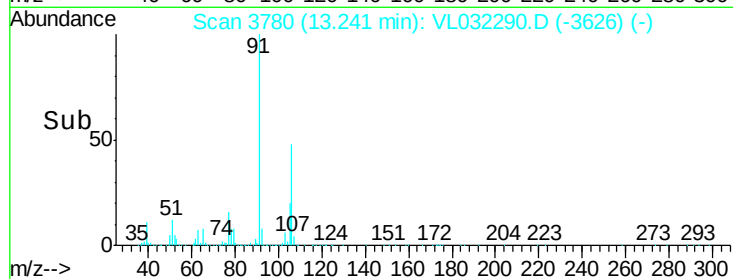
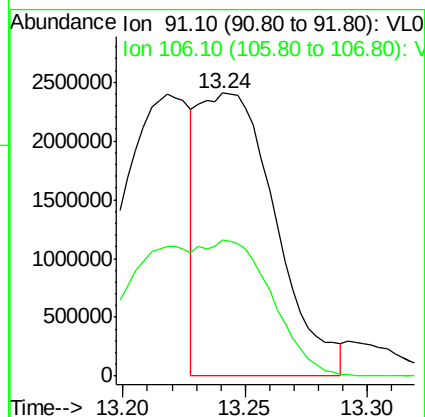
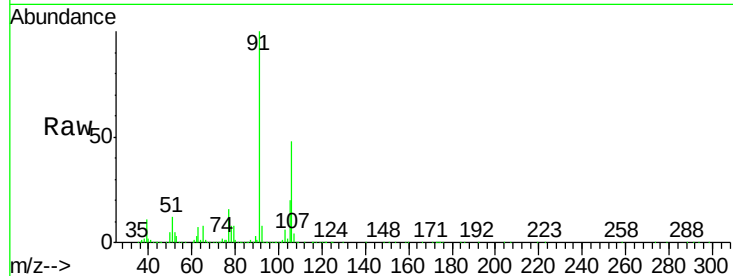




#59
m/p-Xylene
Concen: 8.364 ppbv
RT: 13.24 min Scan# 3780
Delta R.T. -0.00 min
Lab File: VL032290.D
Acq: 19 Jul 2018 15:05

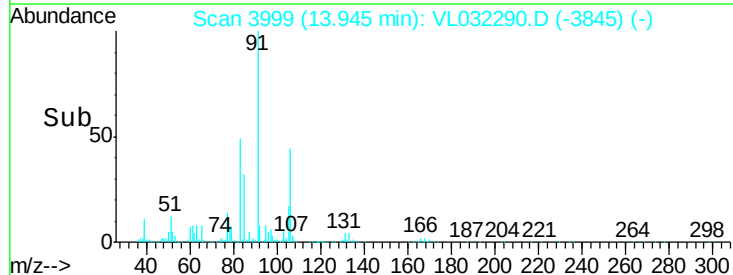
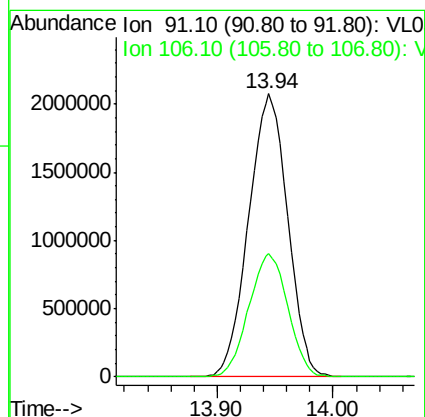
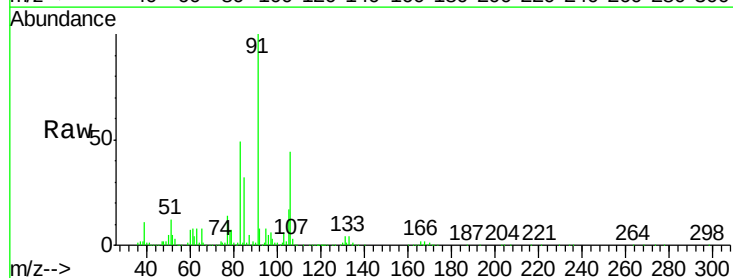
Instrument :
MSVOA_L
ClientSampleId :

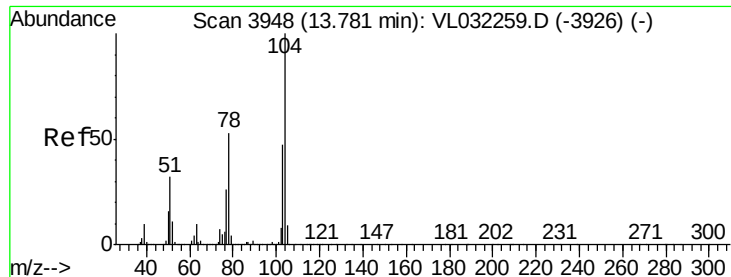
Tot Ion: 91 Resp: 5226360
Ion Ratio Lower Upper
91 100
106 87.1 36.2 54.2#



#60
o-Xylene
Concen: 7.803 ppbv
RT: 13.94 min Scan# 3999
Delta R.T. -0.00 min
Lab File: VL032290.D
Acq: 19 Jul 2018 15:05

Tgt Ion: 91 Resp: 4855618
Ion Ratio Lower Upper
91 100
106 43.7 21.7 65.1





#61

Stvrene

Concen: 8.525 ppbv

RT: 13.78 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

ClientSampleId :

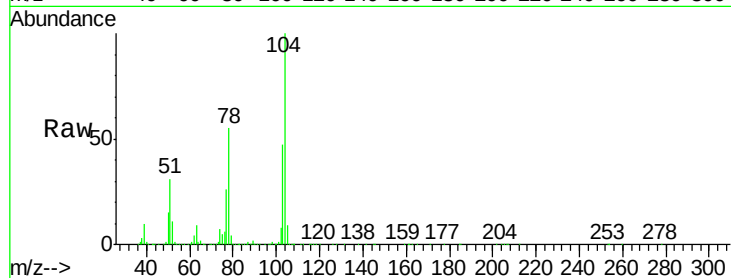
Tot Ion:104 Resp: 3939160

Ion Ratio Lower Upper

104 100

78 53.3 43.2 64.8

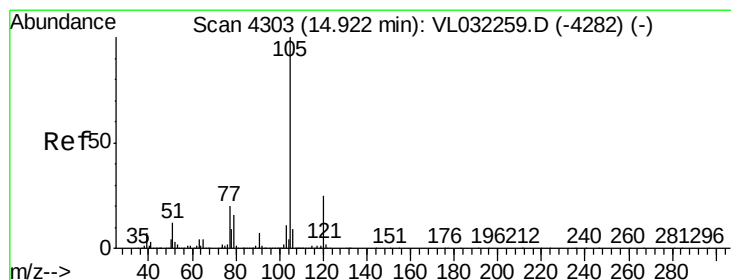
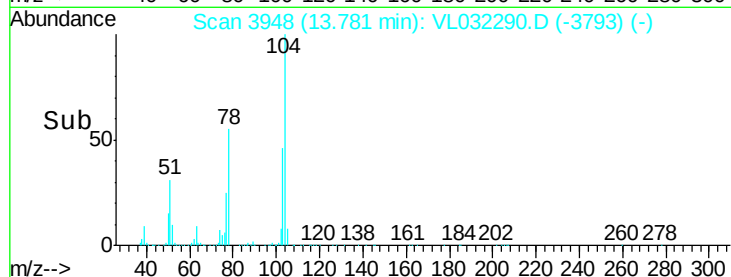
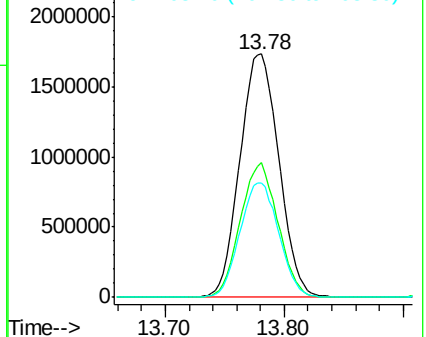
103 46.9 37.8 56.6



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: 7.676 ppbv

RT: 14.92 min Scan# 4301

Delta R.T. -0.01 min

Lab File: VL032290.D

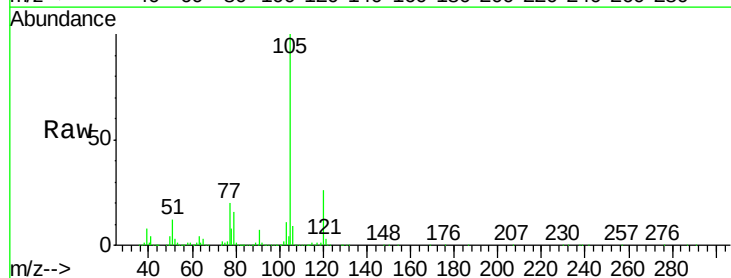
Acq: 19 Jul 2018 15:05

Tgt Ion:105 Resp: 6847489

Ion Ratio Lower Upper

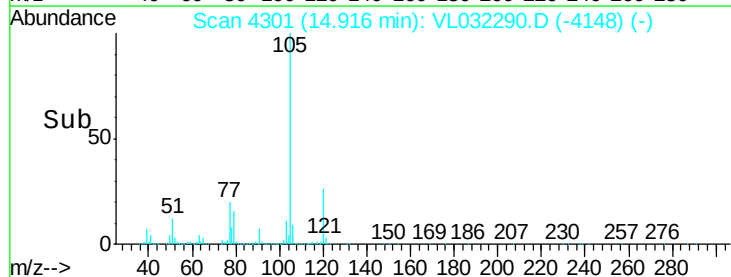
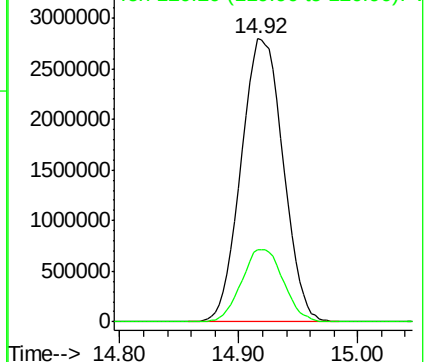
105 100

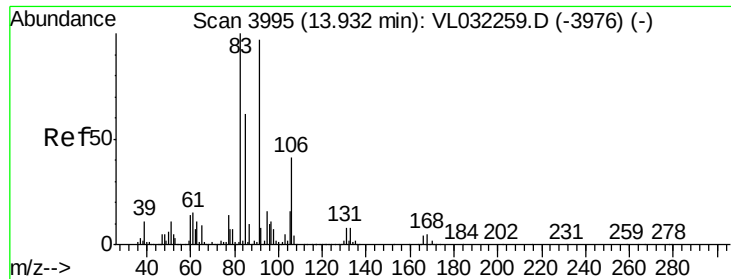
120 25.5 20.2 30.4



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: 6.734 ppbv

RT: 13.93 min Scan# 3995

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

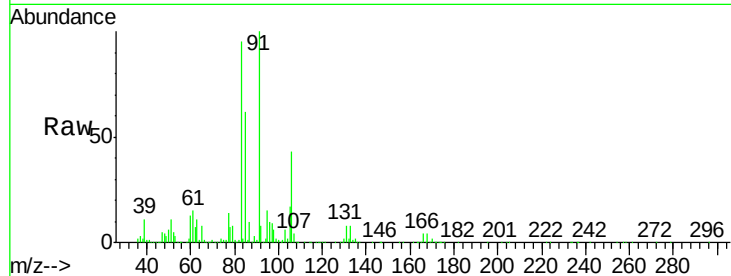
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 83 Resp: 3572857

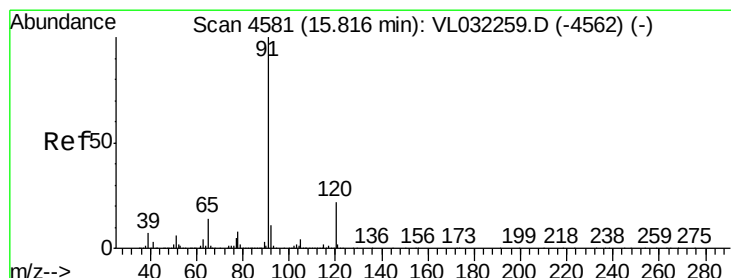
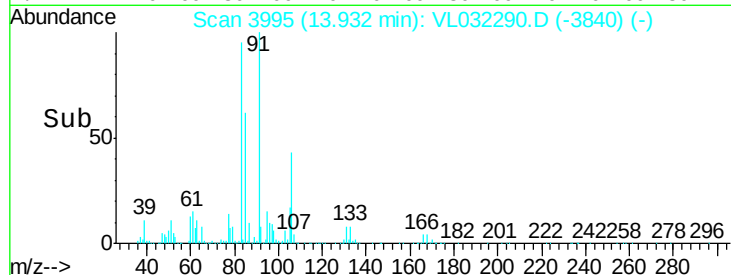
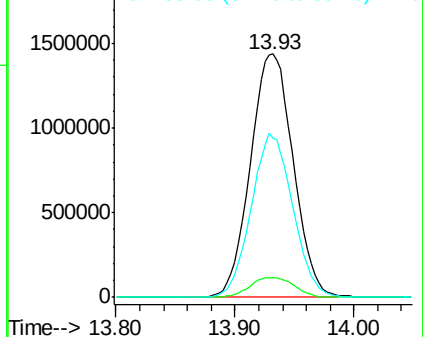
Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.2	12.6
85	65.3	32.2	96.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.857 ppbv

RT: 15.82 min Scan# 4581

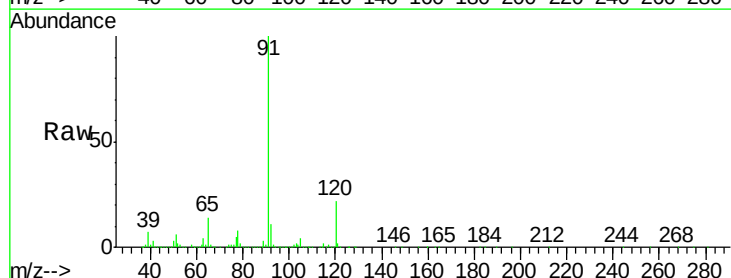
Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

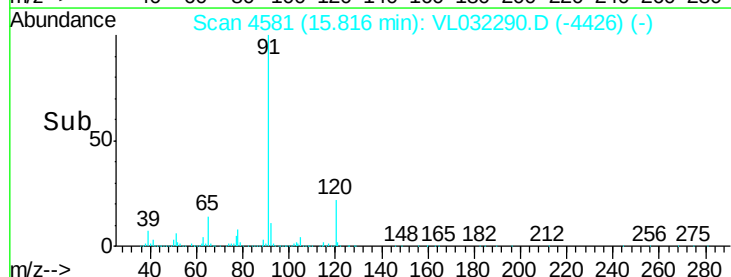
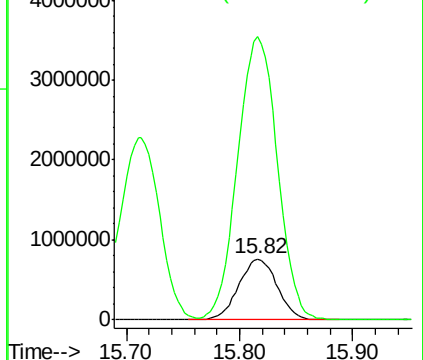
Tgt Ion: 120 Resp: 1799687

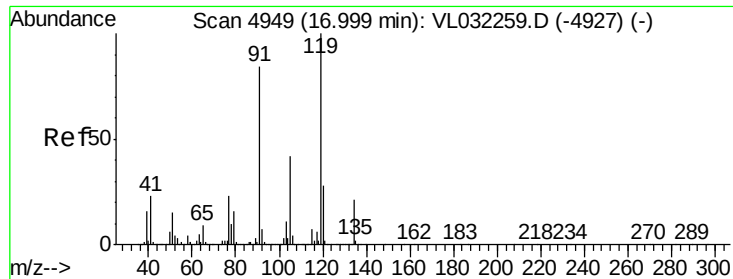
Ion	Ratio	Lower	Upper
120	100		
91	480.5	384.4	576.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

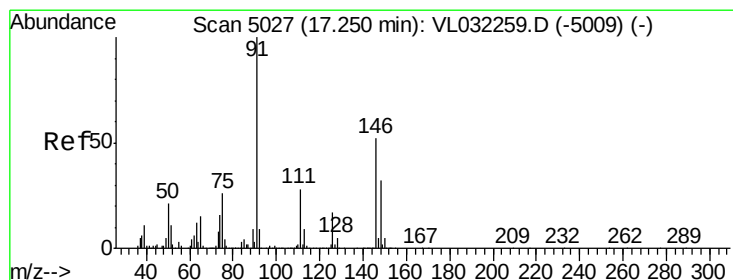
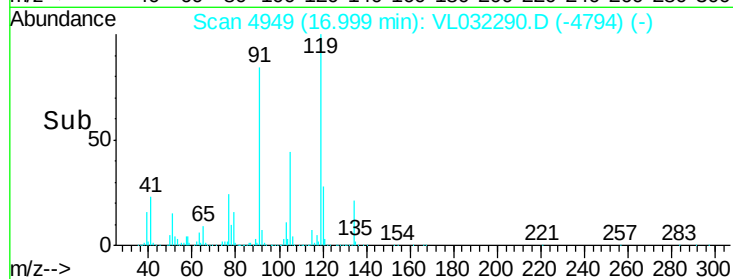
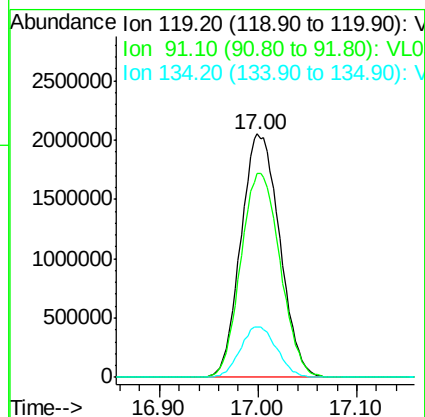
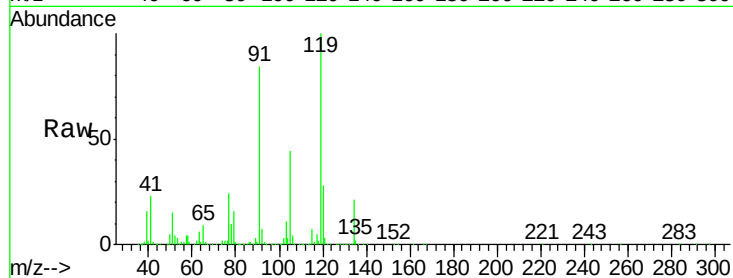




#65
 tert-Butylbenzene
 Concen: 7.341 ppbv
 RT: 17.00 min Scan# 4949
 Delta R.T. -0.00 min
 Lab File: VL032290.D
 Acq: 19 Jul 2018 15:05

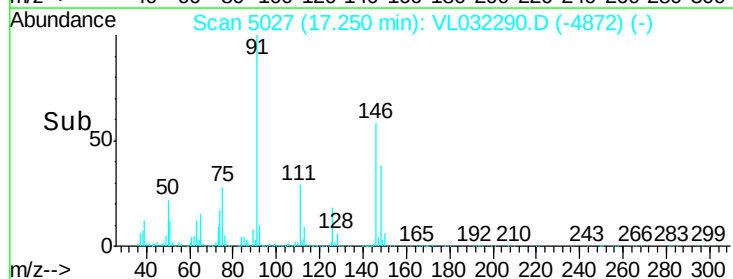
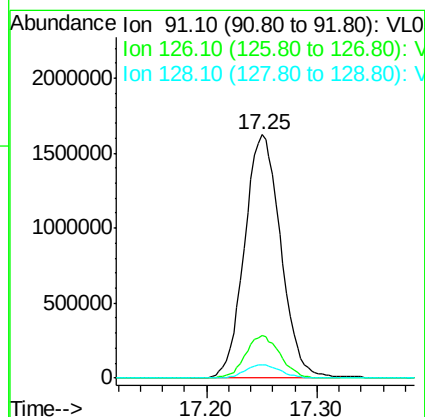
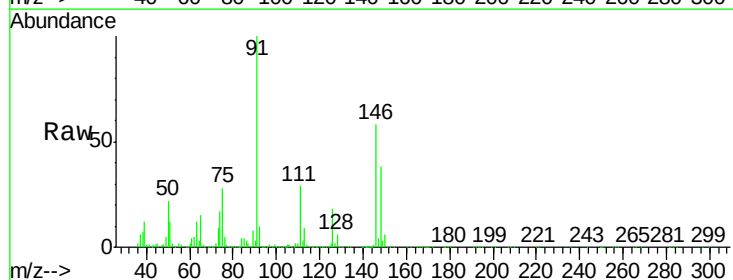
Instrument :
 MSVOA_L
 ClientSampleId :

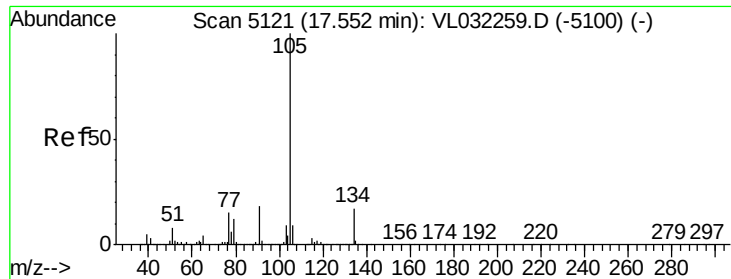
Tot Ion:119 Resp: 5580446
 Ion Ratio Lower Upper
 119 100
 91 85.0 68.2 102.4
 134 19.5 15.6 23.4



#66
 Benzyl Chloride
 Concen: 8.609 ppbv
 RT: 17.25 min Scan# 5027
 Delta R.T. -0.00 min
 Lab File: VL032290.D
 Acq: 19 Jul 2018 15:05

Tgt Ion: 91 Resp: 3684294
 Ion Ratio Lower Upper
 91 100
 126 16.9 13.4 20.2
 128 5.4 4.3 6.5





#67

sec-Butylbenzene

Concen: 7.393 ppbv

RT: 17.55 min Scan# 5121

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

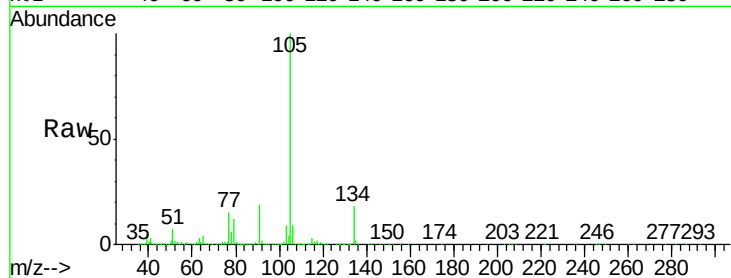
ClientSampleId :

Tot Ion:105 Resp: 8384277

Ion Ratio Lower Upper

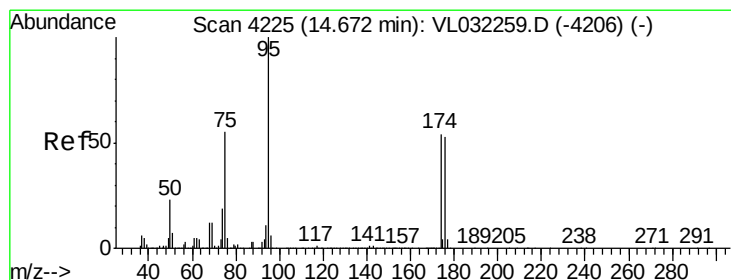
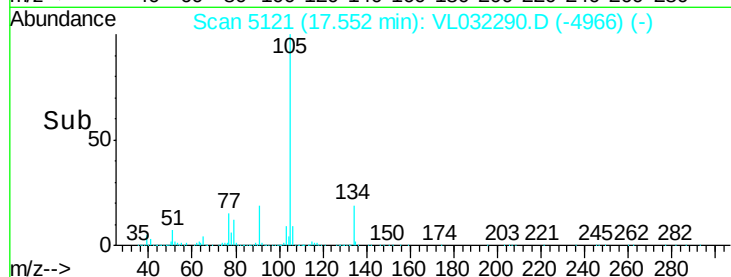
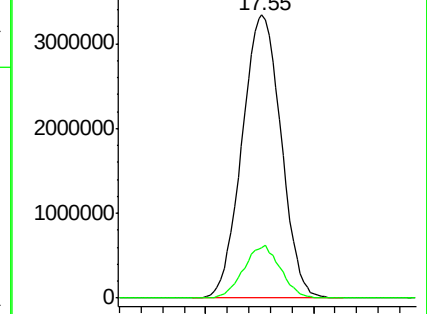
105 100

134 17.6 14.0 21.0



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: 7.619 ppbv

RT: 14.67 min Scan# 4225

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

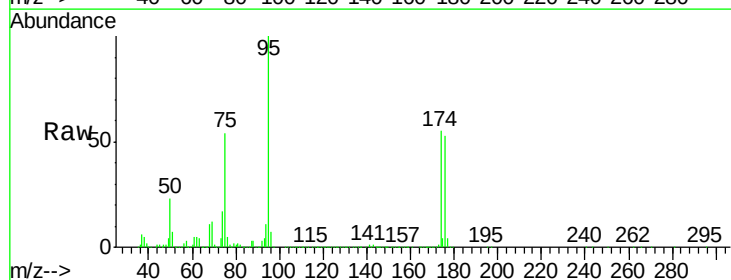
Tgt Ion: 95 Resp: 3210841

Ion Ratio Lower Upper

95 100

174 56.2 44.3 66.5

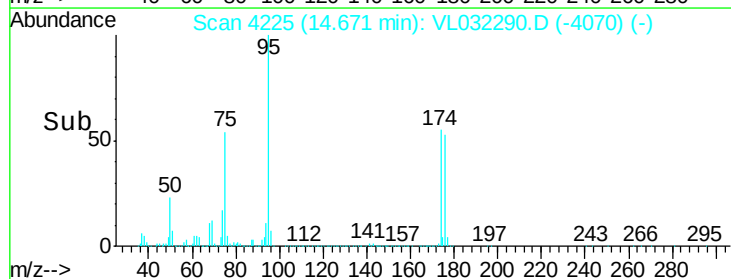
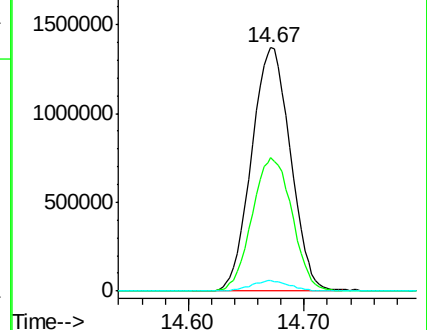
175 4.2 3.3 4.9

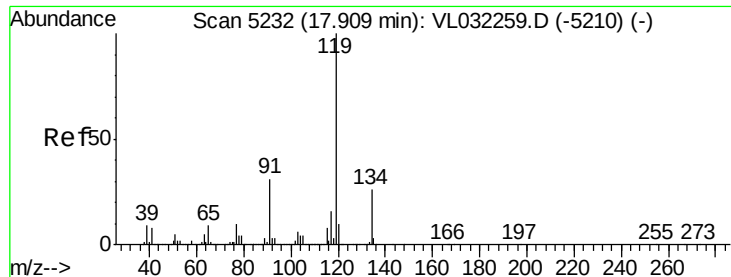


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

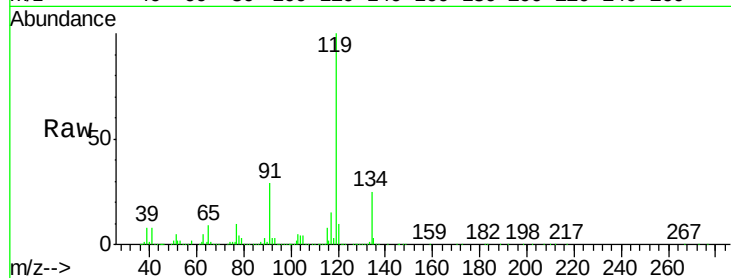




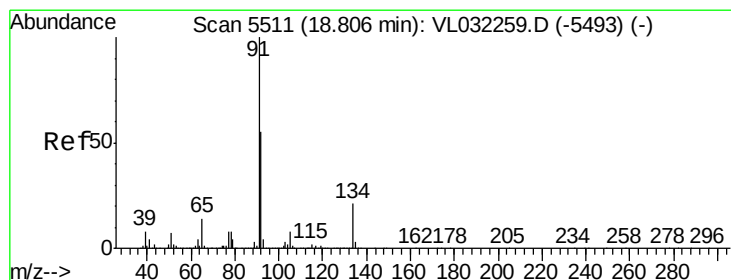
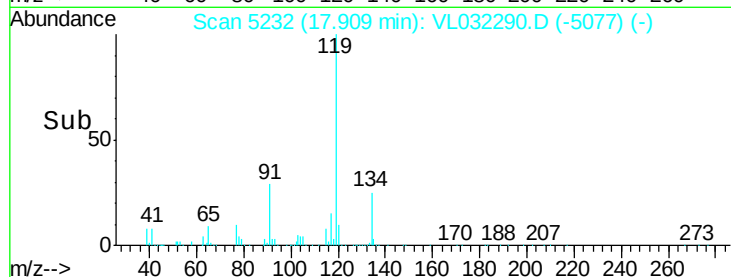
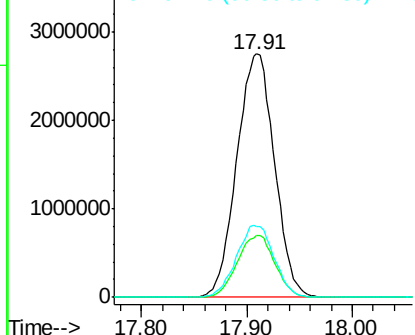
#69
 p-Isopropyltoluene
 Concen: 7.780 ppbv
 RT: 17.91 min Scan# 5232
 Delta R.T. -0.00 min
 Lab File: VL032290.D
 Acq: 19 Jul 2018 15:05

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6815258
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.3 30.5
 91 29.7 24.1 36.1

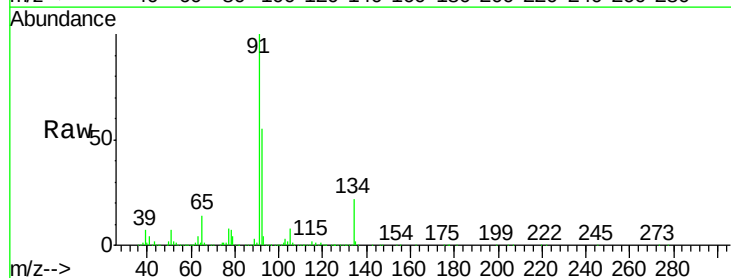


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

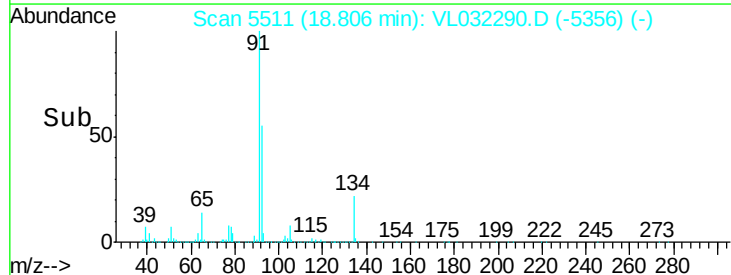
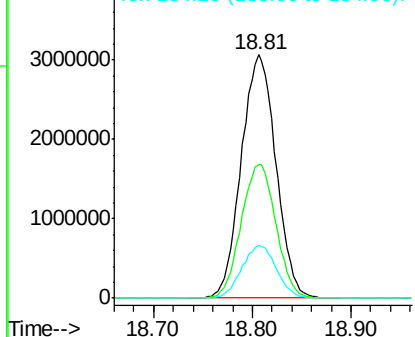


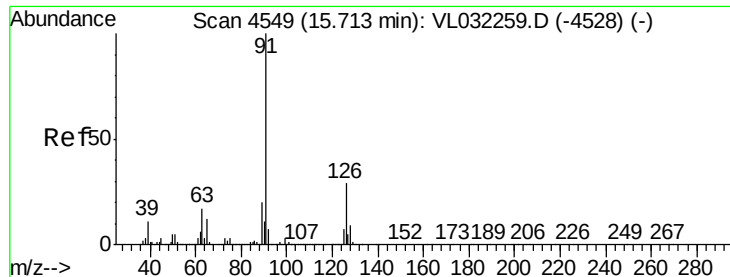
#70
 n-Butylbenzene
 Concen: 7.603 ppbv
 RT: 18.81 min Scan# 5511
 Delta R.T. -0.00 min
 Lab File: VL032290.D
 Acq: 19 Jul 2018 15:05

Tgt Ion: 91 Resp: 7429628
 Ion Ratio Lower Upper
 91 100
 92 55.1 43.8 65.6
 134 21.8 17.1 25.7



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: 7.653 ppbv

RT: 15.71 min Scan# 4548

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

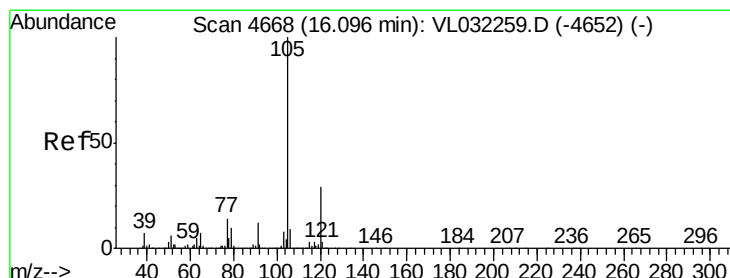
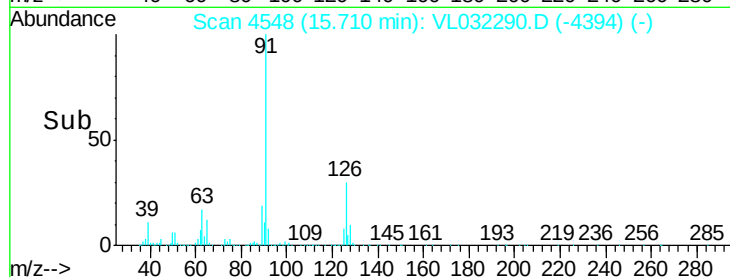
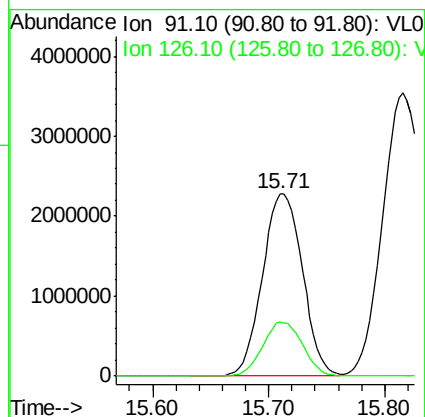
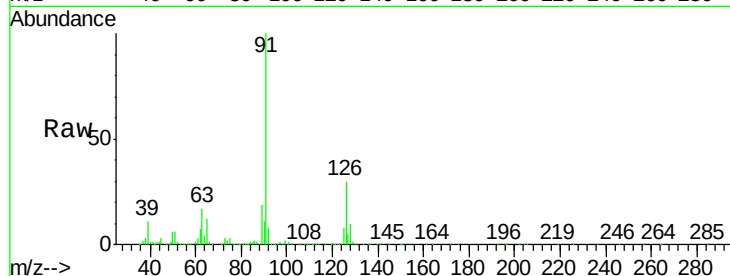
ClientSampleId :

Tot Ion: 91 Resp: 5472690

Ion Ratio Lower Upper

91 100

126 29.5 11.6 46.2



#72

4-Ethyltoluene

Concen: 7.945 ppbv

RT: 16.09 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Tgt Ion: 105 Resp: 5711292

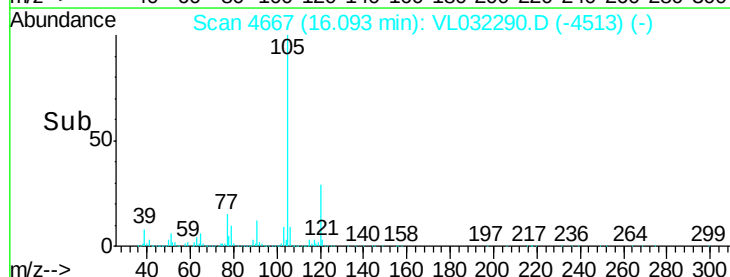
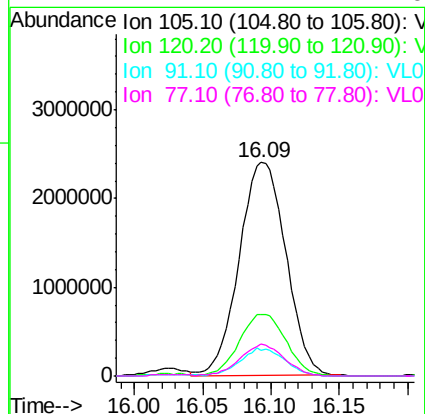
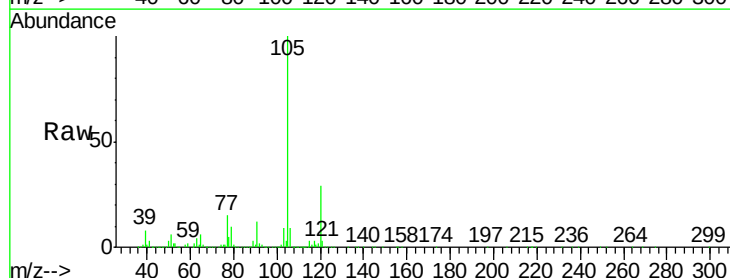
Ion Ratio Lower Upper

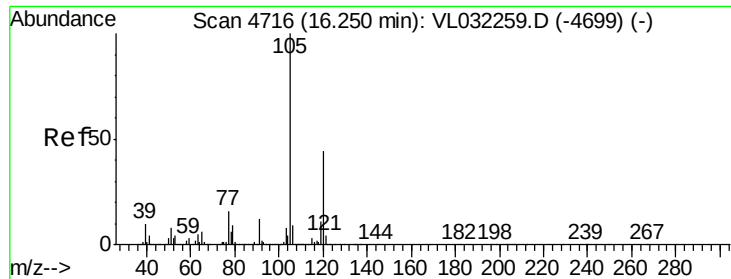
105 100

120 29.1 23.0 34.6

91 12.4 10.1 15.1

77 14.1 11.4 17.0

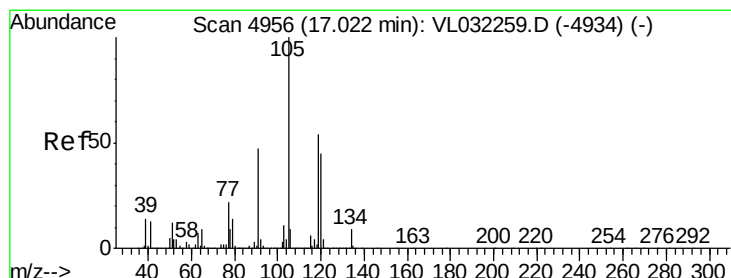
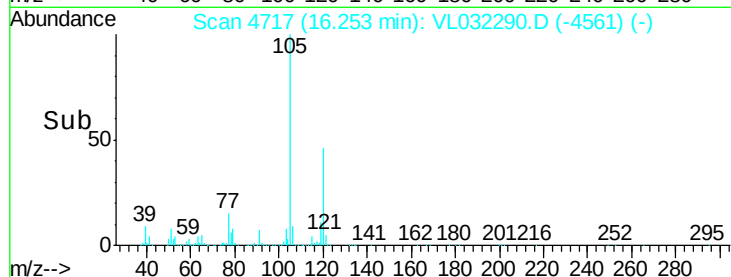
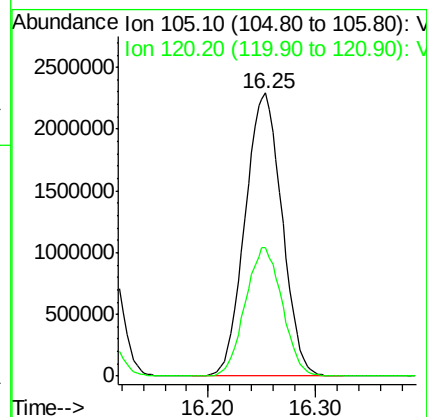
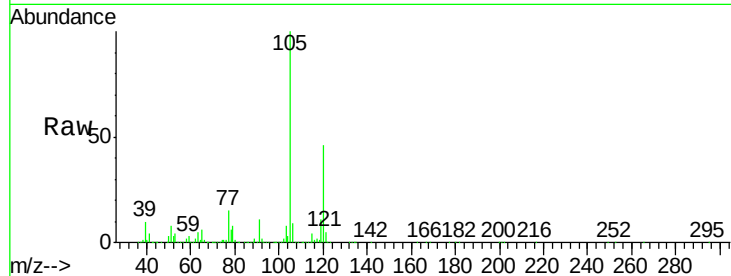




#73
 1,3,5-Trimethylbenzene
 Concen: 7.724 ppbv
 RT: 16.25 min Scan# 4717
 Delta R.T. 0.00 min
 Lab File: VL032290.D
 Acq: 19 Jul 2018 15:05

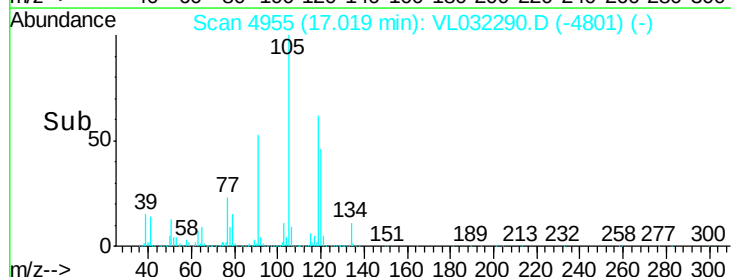
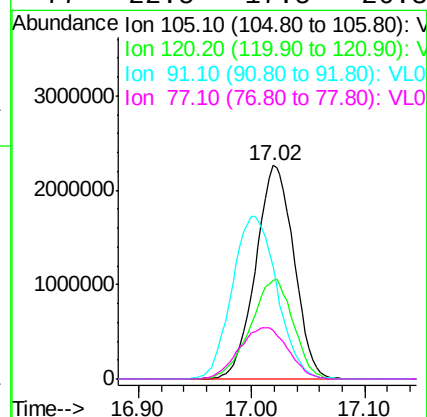
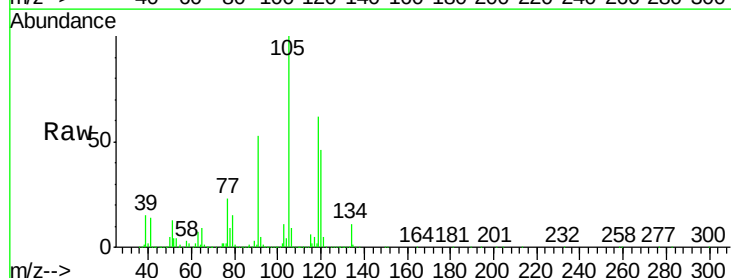
Instrument :
 MSVOA_L
 ClientSampleId :

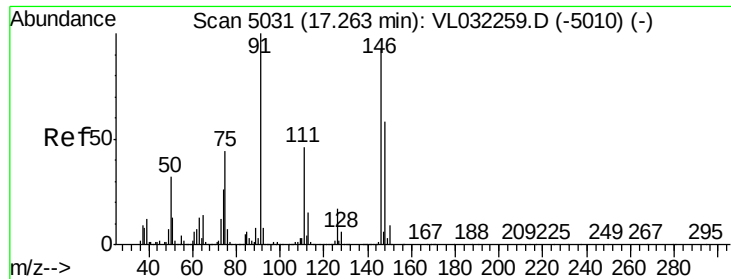
Tot Ion:105 Resp: 5429087
 Ion Ratio Lower Upper
 105 100
 120 45.5 35.5 53.3



#74
 1,2,4-Trimethylbenzene
 Concen: 7.206 ppbv
 RT: 17.02 min Scan# 4955
 Delta R.T. -0.00 min
 Lab File: VL032290.D
 Acq: 19 Jul 2018 15:05

Tgt Ion:105 Resp: 5302545
 Ion Ratio Lower Upper
 105 100
 120 46.0 35.8 53.6
 91 52.6 38.2 57.4
 77 22.5 17.5 26.3





#75

1,3-Dichlorobenzene

Concen: 7.104 ppbv

RT: 17.26 min Scan# 5031

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

ClientSampleId :

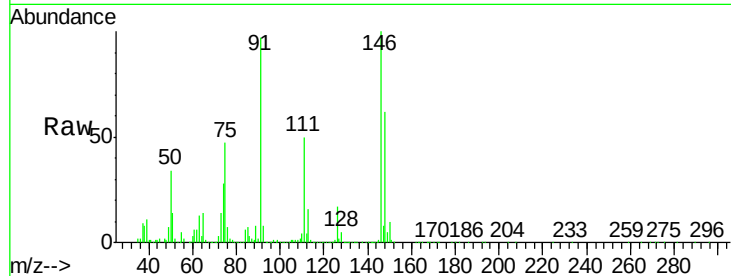
Tot Ion:146 Resp: 2904300

Ion Ratio Lower Upper

146 100

111 49.2 25.1 75.4

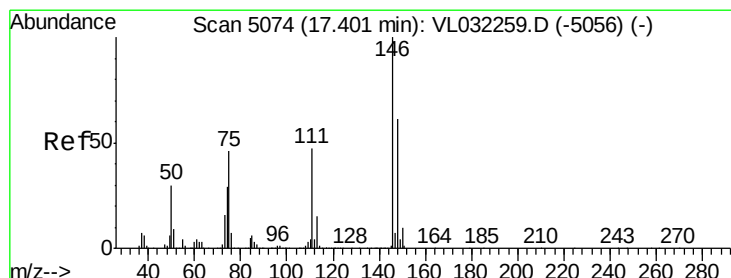
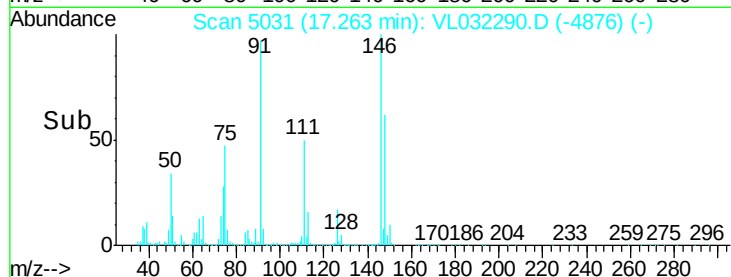
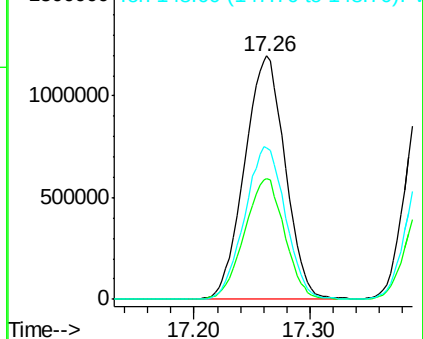
148 63.3 31.8 95.3



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: 7.375 ppbv

RT: 17.40 min Scan# 5074

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

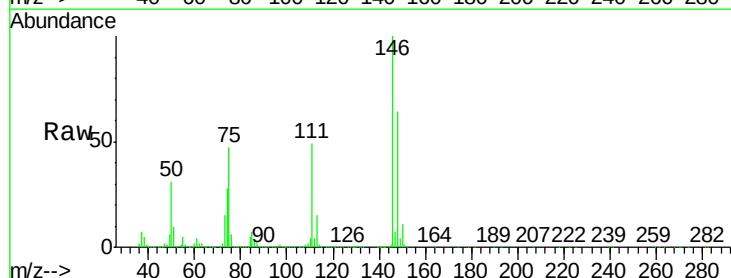
Tgt Ion:146 Resp: 2991148

Ion Ratio Lower Upper

146 100

111 47.1 24.1 72.2

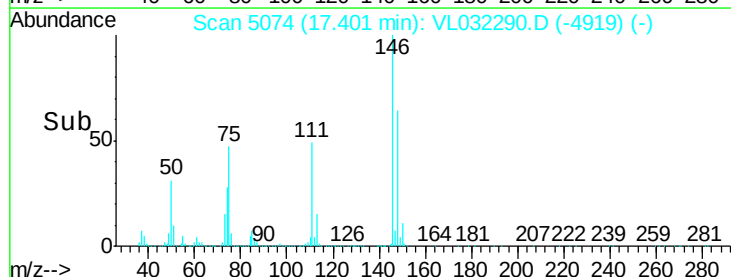
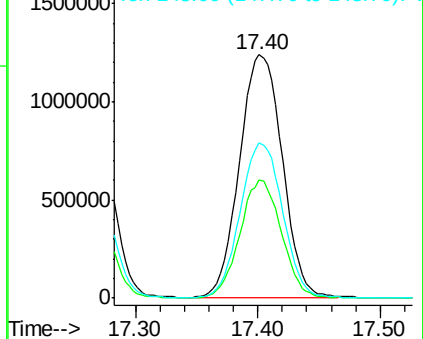
148 63.8 31.9 95.9

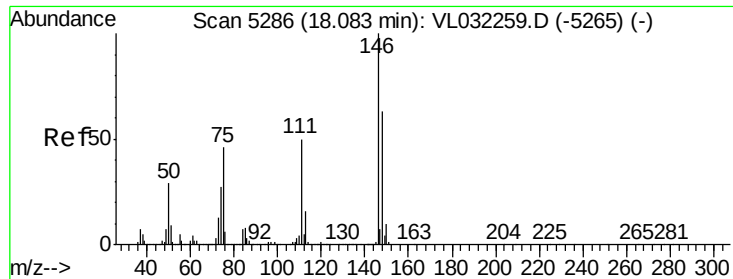


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

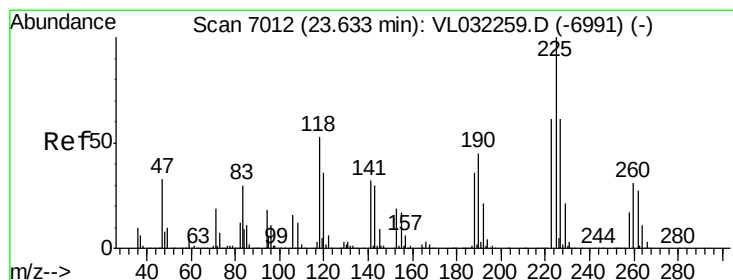
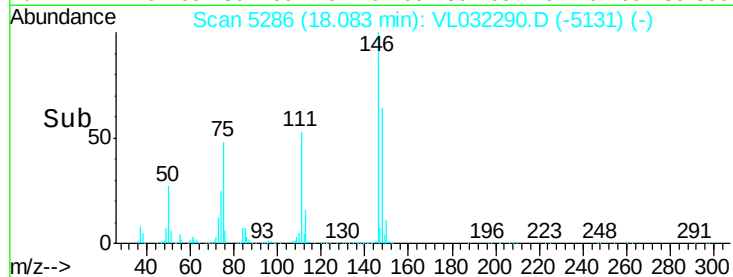
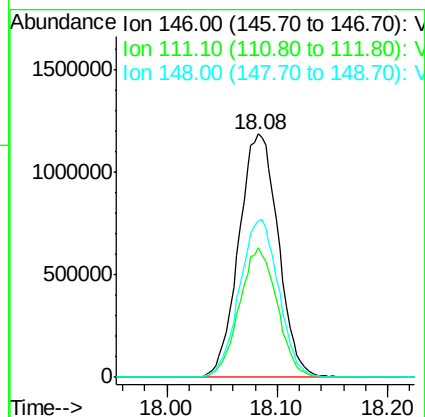
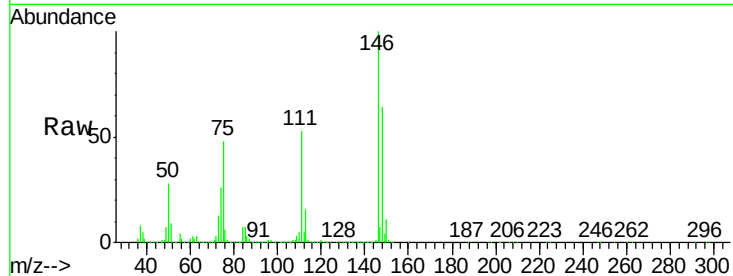




#77
 1,2-Dichlorobenzene
 Concen: 7.443 ppbv
 RT: 18.08 min Scan# 5286
 Delta R.T. -0.00 min
 Lab File: VL032290.D
 Acq: 19 Jul 2018 15:05

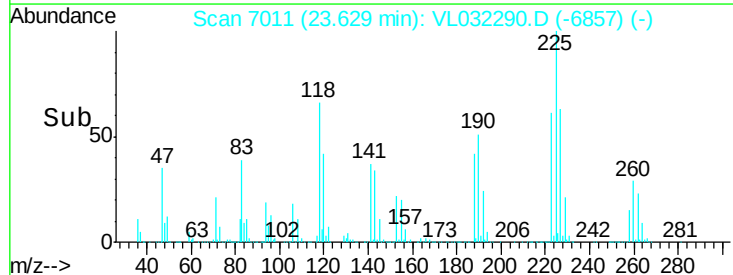
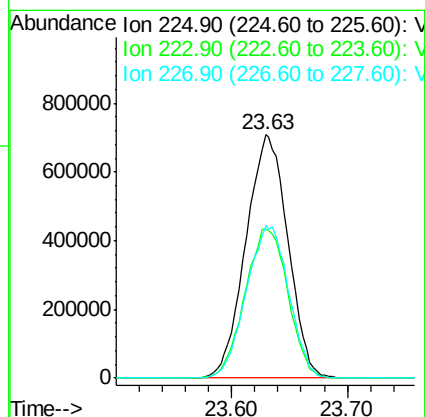
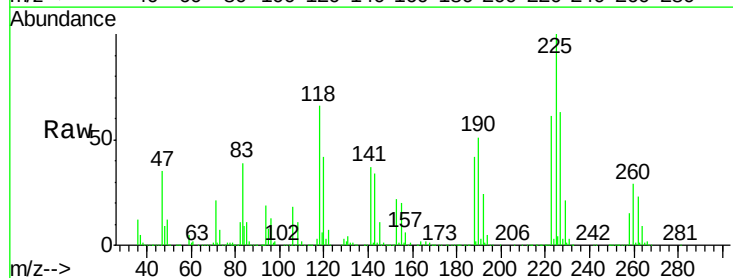
Instrument :
 MSVOA_L
 ClientSampleId :

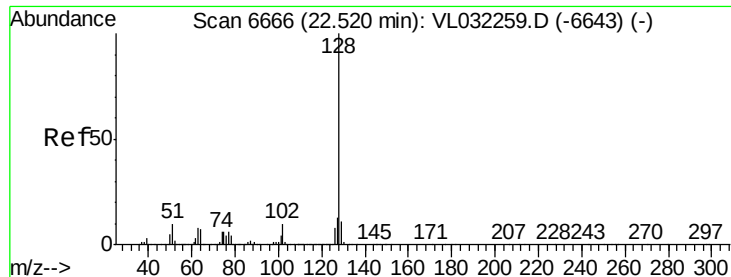
Tot Ion:146 Resp: 2941839
 Ion Ratio Lower Upper
 146 100
 111 51.0 25.6 76.8
 148 64.5 31.9 95.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 13.907 ppbv
 RT: 23.63 min Scan# 7011
 Delta R.T. -0.00 min
 Lab File: VL032290.D
 Acq: 19 Jul 2018 15:05

Tgt Ion:225 Resp: 1781905
 Ion Ratio Lower Upper
 225 100
 223 62.8 50.6 75.8
 227 63.3 51.5 77.3





#79

Naphthalene

Concen: 8.357 ppbv

RT: 22.52 min Scan# 6665

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

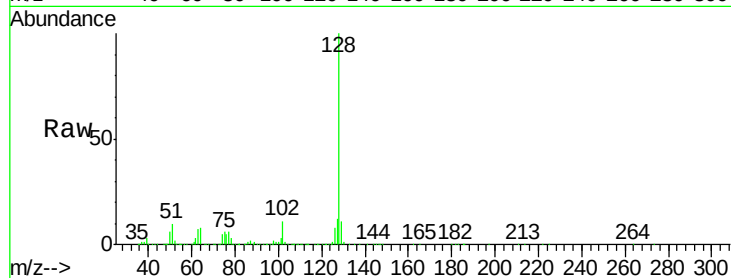
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 5163968

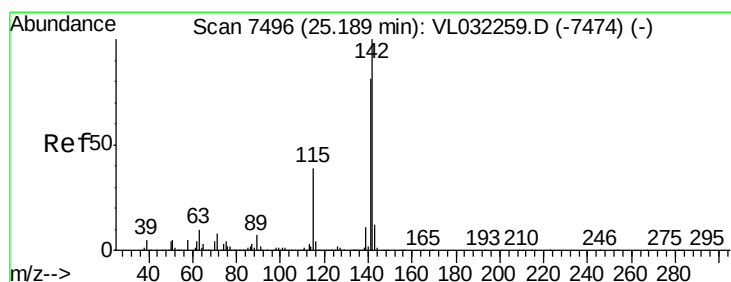
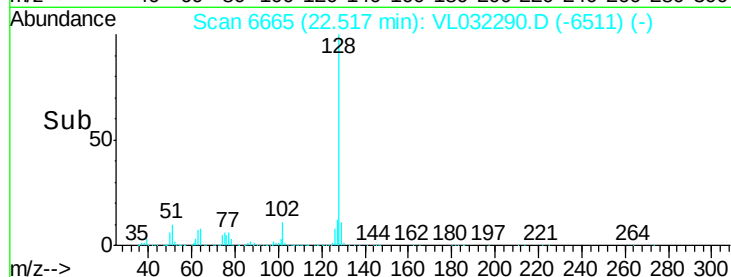
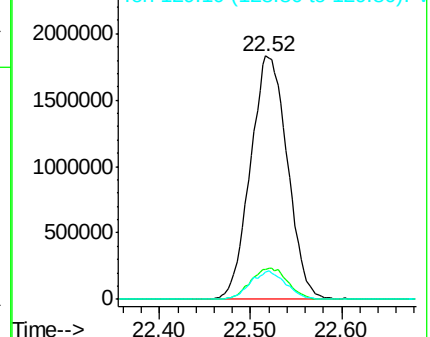
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.5	15.7
129	11.1	8.6	12.8



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: 9.184 ppbv

RT: 25.19 min Scan# 7495

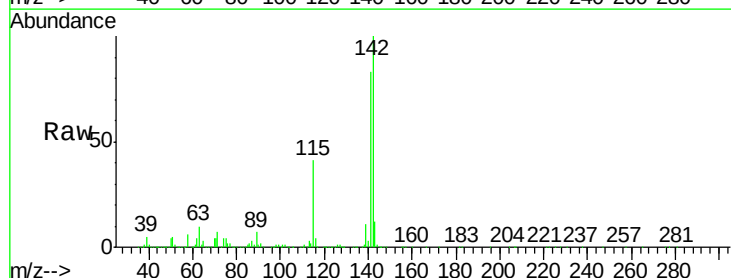
Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Tgt Ion:142 Resp: 2410985

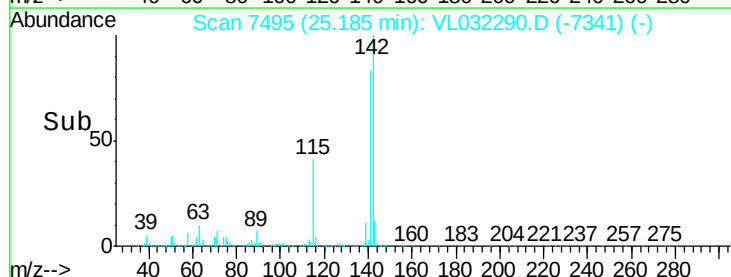
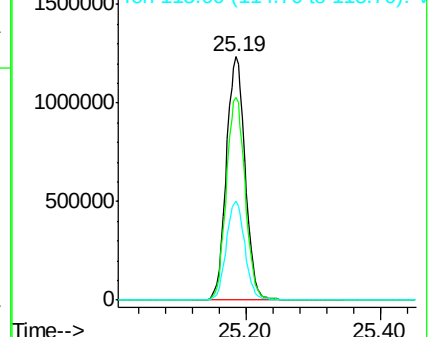
Ion	Ratio	Lower	Upper
142	100		
141	83.5	67.1	100.7
115	40.3	32.5	48.7

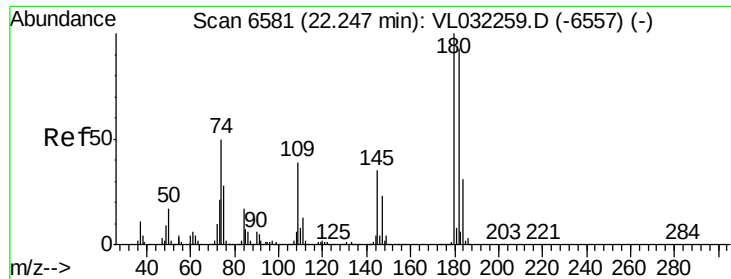


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.013 ppbv

RT: 22.25 min Scan# 6581

Delta R.T. -0.00 min

Lab File: VL032290.D

Acq: 19 Jul 2018 15:05

Instrument :

MSVOA_L

ClientSampleId :

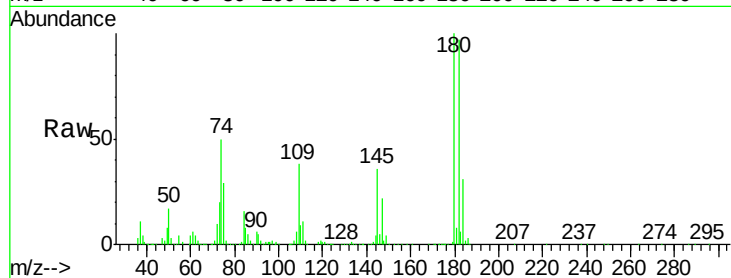
Tot Ion:180 Resp: 2414447

Ion Ratio Lower Upper

180 100

182 96.8 76.6 114.8

184 30.6 24.4 36.6



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

