

Data File : VL032357.D
Acq On : 15 Aug 2018 18:29
Operator : SY/AP
Sample : VL0815ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS01

Quant Time: Aug 16 05:46:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	2443058	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	4799466	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	5842693	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.65	95	3718364	8.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.11	85	2249766	11.536	ppbv	98
3) Chlorodifluoromethane	3.05	51	2036675	8.999	ppbv	100
4) Chloromethane	3.21	50	1236939	9.184	ppbv	99
5) Vinyl Chloride	3.33	62	1122578	8.744	ppbv	95
6) Bromomethane	3.56	94	631861	9.179	ppbv	96
7) Chloroethane	3.64	64	411338	9.136	ppbv	98
8) Dichlorotetrafluoroethane	3.26	85	2377654	8.613	ppbv	100
9) Propene	3.07	41	956502	9.875	ppbv	99
10) Heptane	8.31	43	2873664	9.851	ppbv	99
11) Trichlorofluoromethane	4.05	101	2250936	8.238	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1585089	8.615	ppbv	99
13) Ethanol	3.69	45	251078	10.093	ppbv	97
14) Bromoethene	3.83	108	713309	8.964	ppbv	99
15) Acetone	3.95	43	1755428	7.563	ppbv	100
16) 1,3-Butadiene	3.40	39	967185	10.092	ppbv	86
17) tert-Butyl alcohol	4.41	59	343854	8.829	ppbv	100
18) 1,1-Dichloroethene	4.40	96	770615	8.989	ppbv	99
19) Isopropyl Alcohol	4.06	45	1378032	8.816	ppbv #	98
20) Methylene Chloride	4.46	84	685130	7.815	ppbv	94
21) Allyl Chloride	4.53	41	1361053	9.290	ppbv	100
22) trans-1,2-Dichloroethene	5.02	96	753277	8.713	ppbv	98
23) Vinyl Acetate	5.21	43	3517272	8.775	ppbv	99
24) 1,1-Dichloroethane	5.14	63	2512252	8.681	ppbv	99
25) Ethyl Acetate	5.82	43	4611522	9.271	ppbv	100
26) Hexane	5.84	57	2129274	9.602	ppbv	99
27) Carbon Disulfide	4.67	76	1982909	9.580	ppbv	100
28) Methyl tert-Butyl Ether	5.16	73	2672253	9.080	ppbv	99
29) Chloroform	5.91	83	3076430	9.466	ppbv	97
30) Cyclohexane	7.31	84	1641655	9.718	ppbv	100
31) cis-1,2-Dichloroethene	5.70	61	2100114	9.680	ppbv	99
32) 1,1,1-Trichloroethane	6.68	97	2847729	9.004	ppbv	100
34) 2-Butanone	5.38	43	3140772	9.615	ppbv	99
35) Carbon Tetrachloride	7.20	117	2856549	10.094	ppbv	98
36) Benzene	7.07	78	4197540	10.316	ppbv	99
37) 1,2-Dichloroethane	6.47	62	2311879	9.364	ppbv	100
38) Trichloroethene	8.03	130	1416603	9.926	ppbv	98
39) 1,2-Dichloropropane	7.80	63	1711547	10.070	ppbv	97
40) 1,4-Dioxane	8.02	88	559108	10.829	ppbv	93
41) Tetrahydrofuran	6.21	42	1832427	10.450	ppbv	99
42) Bromodichloromethane	7.98	83	3195577	9.886	ppbv	97
43) Methyl Methacrylate	8.20	69	1729954	10.670	ppbv	100

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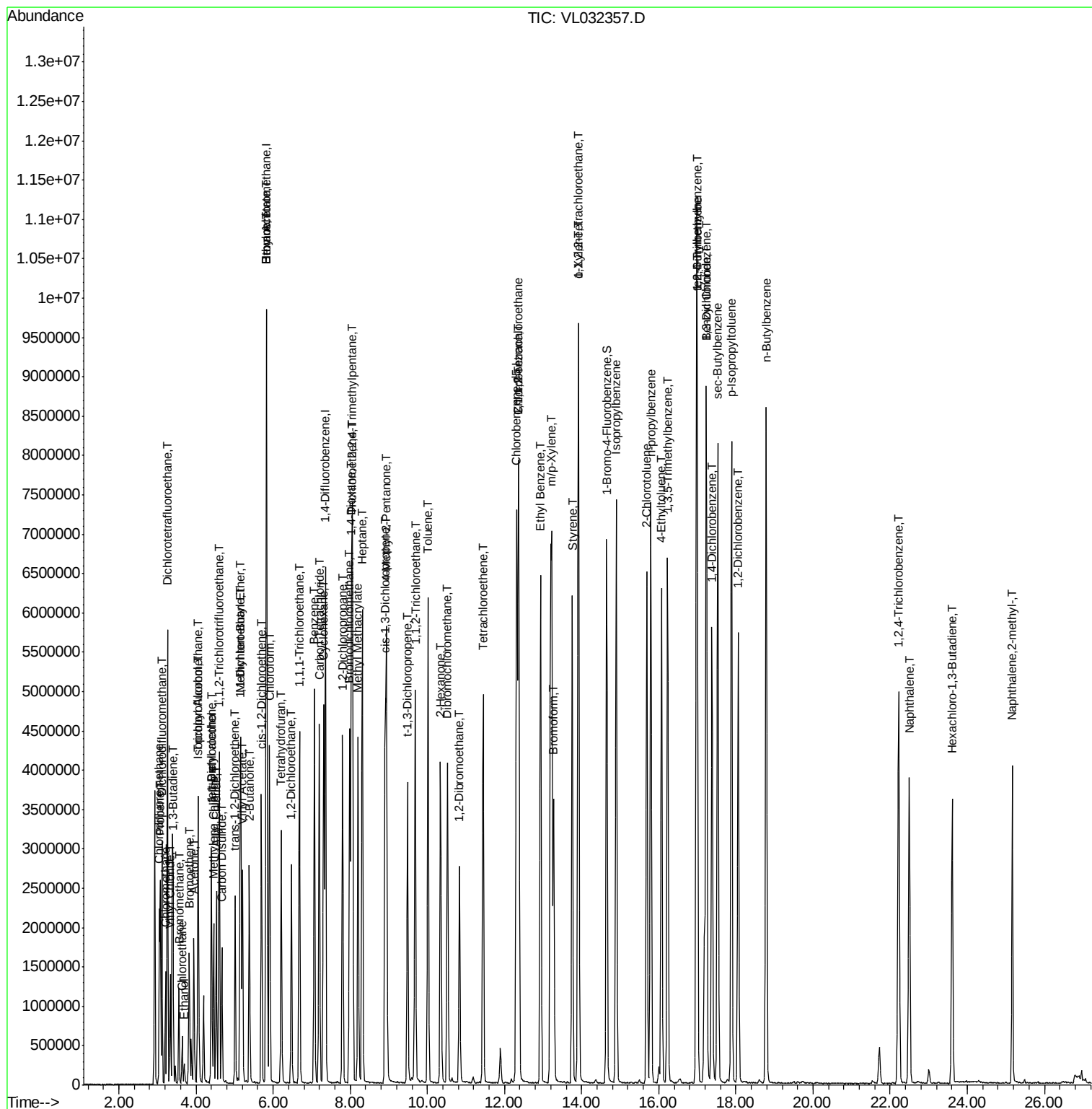
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.05	57	7293604	9.940	ppbv	100
45) t-1,3-Dichloropropene	9.48	75	2343471	11.428	ppbv	98
46) cis-1,3-Dichloropropene	8.90	75	2801102	11.390	ppbv	99
47) 1,1,2-Trichloroethane	9.68	97	1794717	9.594	ppbv	97
48) Dibromochloromethane	10.52	129	2536987	10.144	ppbv	100
49) Bromoform	13.27	173	2114309	10.178	ppbv	100
50) 4-Methyl-2-Pentanone	8.94	43	4851767	10.285	ppbv	100
51) 2-Hexanone	10.34	43	3921356	11.837	ppbv #	98
52) Tetrachloroethene	11.44	164	1205238	10.043	ppbv	98
53) Toluene	10.01	91	4964722	11.131	ppbv	99
54) 1,2-Dibromoethane	10.83	107	2412899	10.042	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.35	131	1829455	7.569	ppbv	99
57) Chlorobenzene	12.37	112	3314778	7.537	ppbv	99
58) Ethyl Benzene	12.94	91	5992776	8.525	ppbv	100
59) m/p-Xylene	13.22	91	4278730	7.165	ppbv #	10
60) o-Xylene	13.92	91	4783603	8.150	ppbv	100
61) Styrene	13.76	104	3750277	9.143	ppbv	99
62) Isopropylbenzene	14.90	105	6700951	8.021	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.91	83	3634191	7.364	ppbv	100
64) n-propylbenzene	15.79	120	1774673	8.207	ppbv	99
65) tert-Butylbenzene	16.98	119	5536485	7.758	ppbv	100
66) Benzyl Chloride	17.23	91	3653375	8.646	ppbv	99
67) sec-Butylbenzene	17.53	105	8340319	7.859	ppbv	99
69) p-Isopropyltoluene	17.89	119	6689693	8.236	ppbv	99
70) n-Butylbenzene	18.78	91	7416567	8.329	ppbv	100
71) 2-Chlorotoluene	15.69	91	5326548	8.238	ppbv	100
72) 4-Ethyltoluene	16.07	105	5579881	8.524	ppbv	99
73) 1,3,5-Trimethylbenzene	16.23	105	5246727	8.333	ppbv	96
74) 1,2,4-Trimethylbenzene	17.00	105	5252437	7.840	ppbv #	91
75) 1,3-Dichlorobenzene	17.24	146	2955577	7.341	ppbv	99
76) 1,4-Dichlorobenzene	17.38	146	3002669	7.873	ppbv	100
77) 1,2-Dichlorobenzene	18.06	146	2962126	7.700	ppbv	100
78) Hexachloro-1,3-Butadiene	23.61	225	909985	7.047	ppbv	100
79) Naphthalene	22.49	128	4957596	7.980	ppbv	99
80) Naphthalene,2-methyl-	25.17	142	2062216	15.428	ppbv	99
81) 1,2,4-Trichlorobenzene	22.22	180	2370436	9.149	ppbv	100

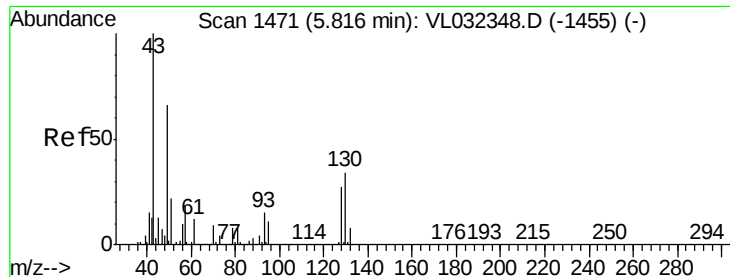
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.82 min Scan# 1471

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS01

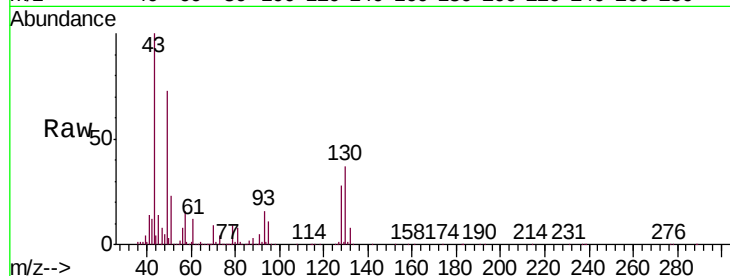
Tgt Ion: 49 Resp: 2443058

Ion Ratio Lower Upper

49 100

128 40.5 20.5 61.6

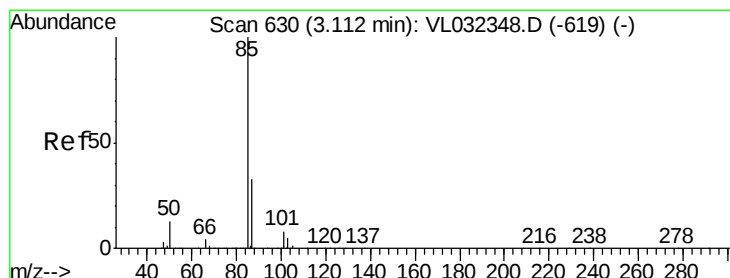
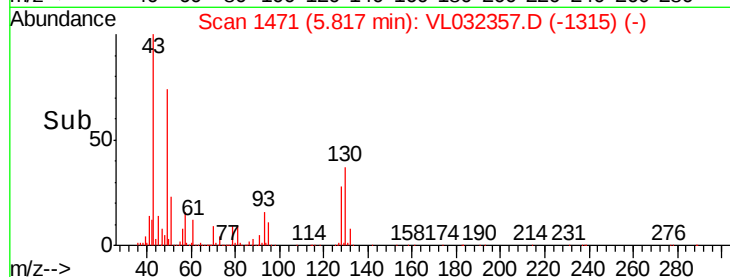
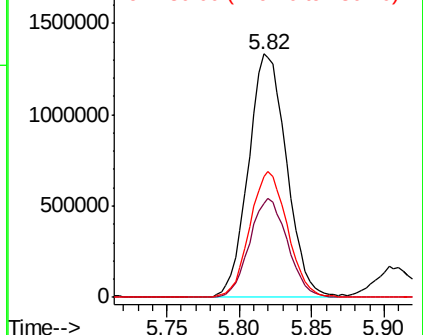
130 51.4 26.2 78.5



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: 11.536 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL032357.D

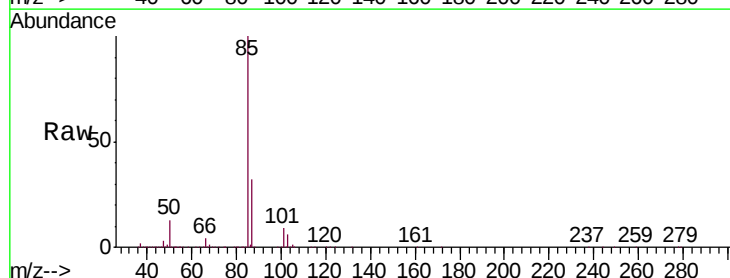
Acq: 15 Aug 2018 18:29

Tgt Ion: 85 Resp: 2249766

Ion Ratio Lower Upper

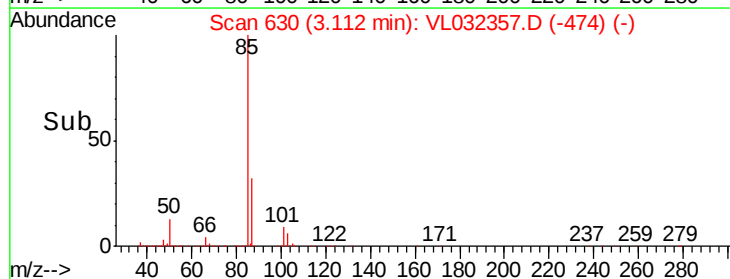
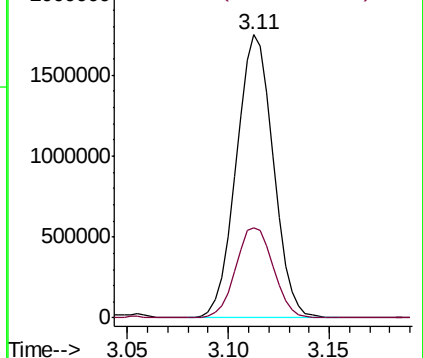
85 100

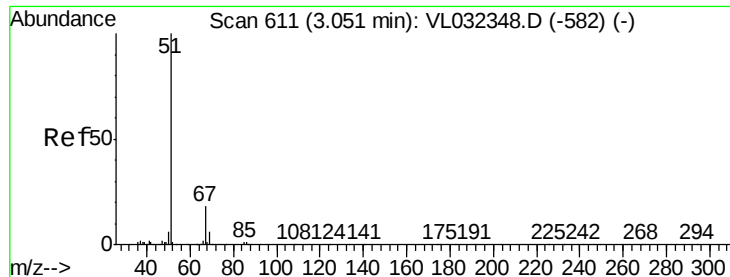
87 31.6 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.999 ppbv

RT: 3.05 min Scan# 610

Delta R.T. -0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

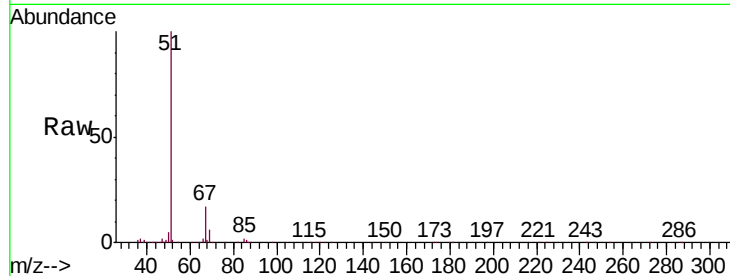
VL0815ABS01

Tgt Ion: 51 Resp: 2036675

Ion Ratio Lower Upper

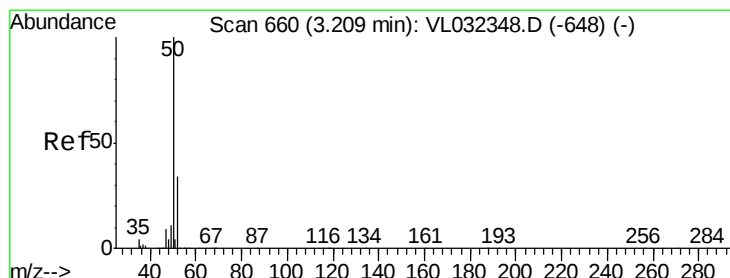
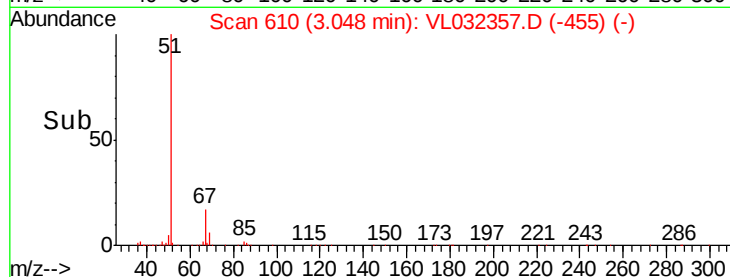
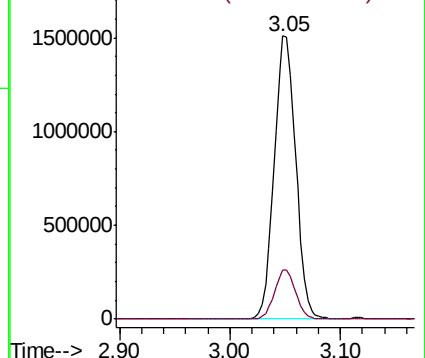
51 100

67 17.1 13.7 20.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.184 ppbv

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VL032357.D

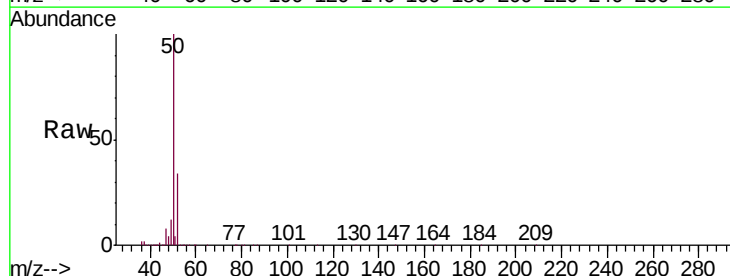
Acq: 15 Aug 2018 18:29

Tgt Ion: 50 Resp: 1236939

Ion Ratio Lower Upper

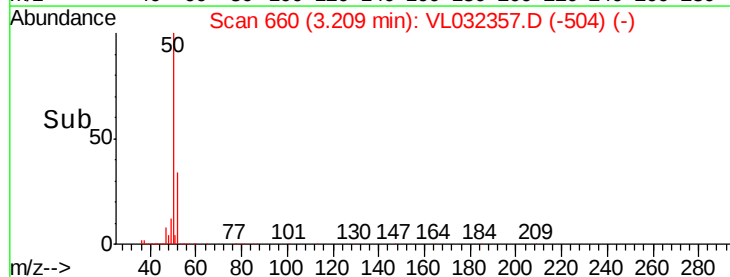
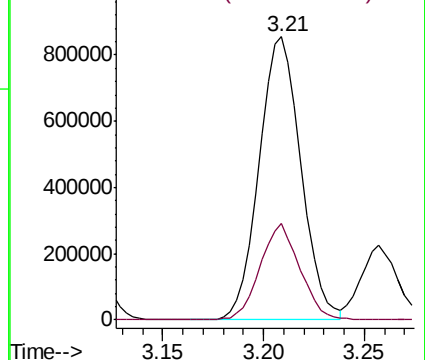
50 100

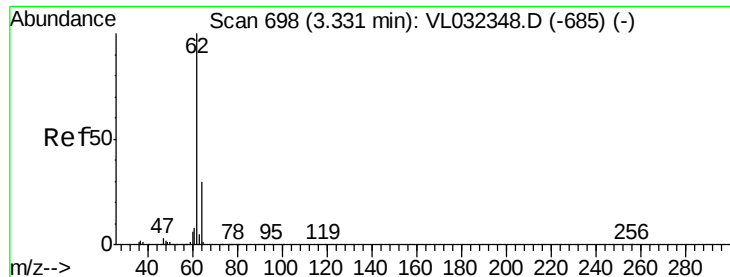
52 34.0 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.744 ppbv

RT: 3.33 min Scan# 698

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

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ClientSampleId :

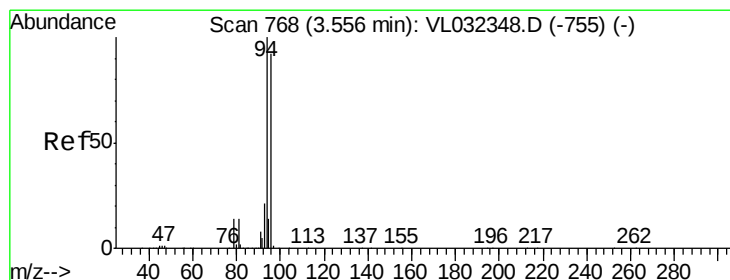
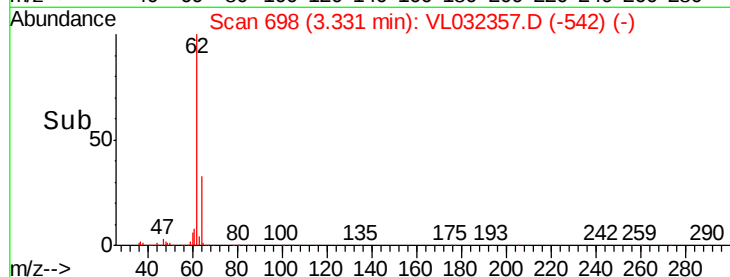
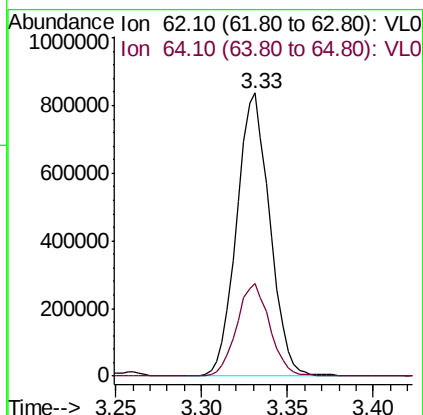
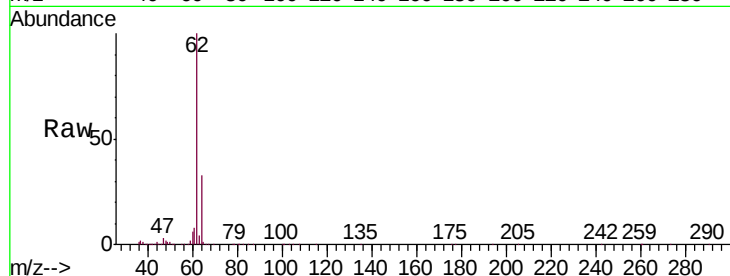
VL0815ABS01

Tgt Ion: 62 Resp: 1122578

Ion Ratio Lower Upper

62 100

64 32.9 24.2 36.2



#6

Bromomethane

Concen: 9.179 ppbv

RT: 3.56 min Scan# 768

Delta R.T. 0.00 min

Lab File: VL032357.D

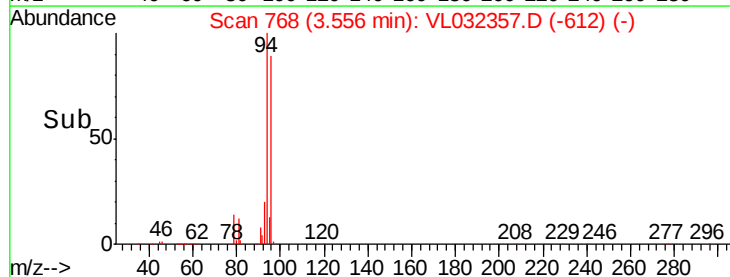
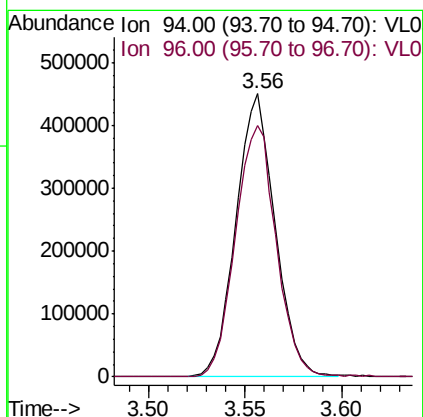
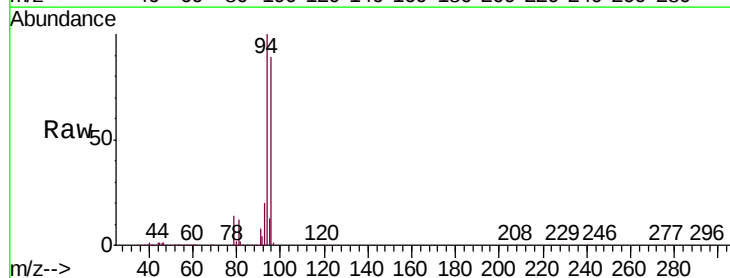
Acq: 15 Aug 2018 18:29

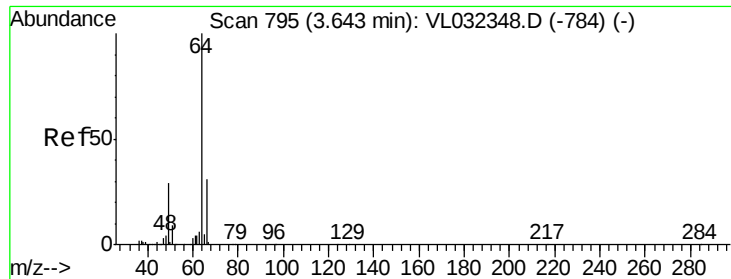
Tgt Ion: 94 Resp: 631861

Ion Ratio Lower Upper

94 100

96 88.7 73.7 110.5





#7

Chloroethane

Concen: 9.136 ppbv

RT: 3.64 min Scan# 794

Delta R.T. -0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

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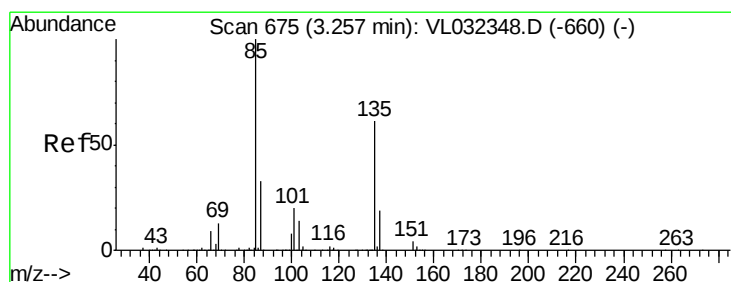
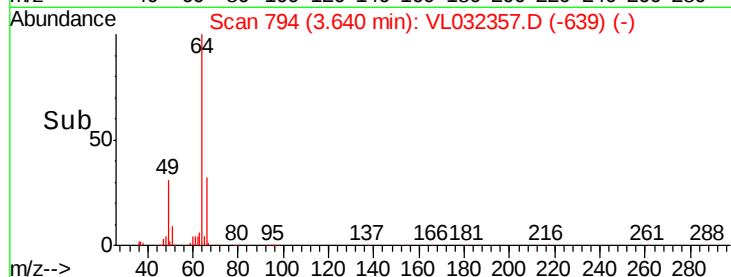
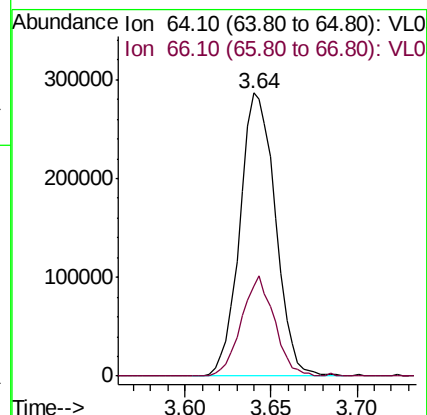
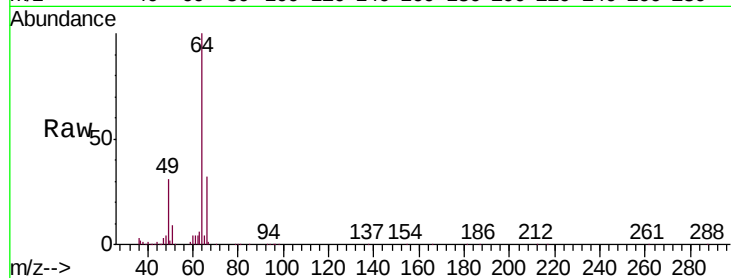
VL0815ABS01

Tgt Ion: 64 Resp: 411338

Ion Ratio Lower Upper

64 100

66 31.8 24.6 36.8



#8

Dichlorotetrafluoroethane

Concen: 8.613 ppbv

RT: 3.26 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL032357.D

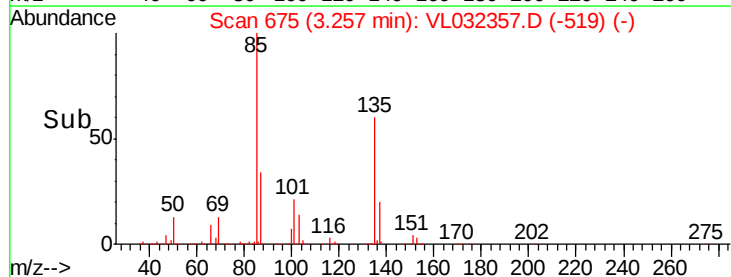
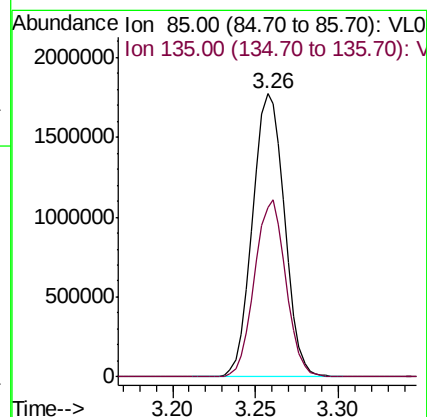
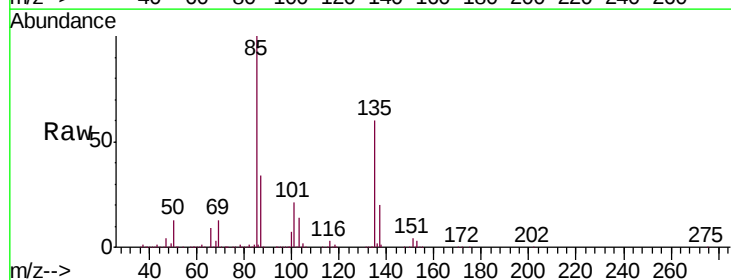
Acq: 15 Aug 2018 18:29

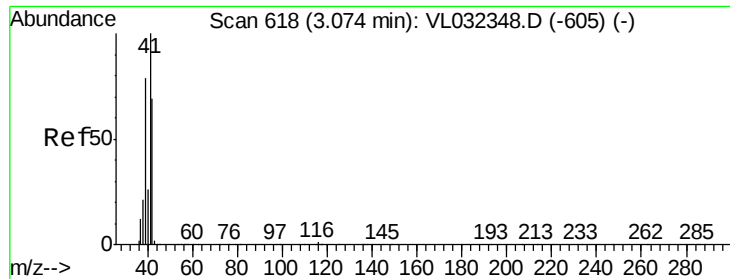
Tgt Ion: 85 Resp: 2377654

Ion Ratio Lower Upper

85 100

135 61.3 49.0 73.6





#9

Propene

Concen: 9.875 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

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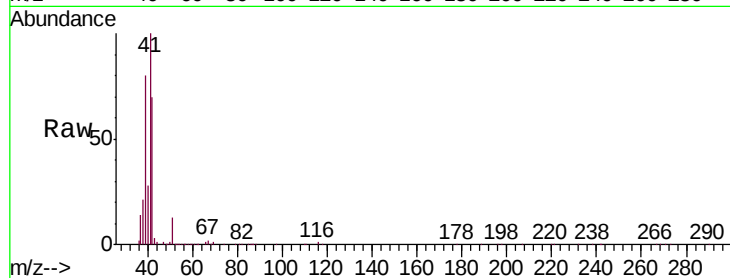
VL0815ABS01

Tgt Ion: 41 Resp: 956502

Ion Ratio Lower Upper

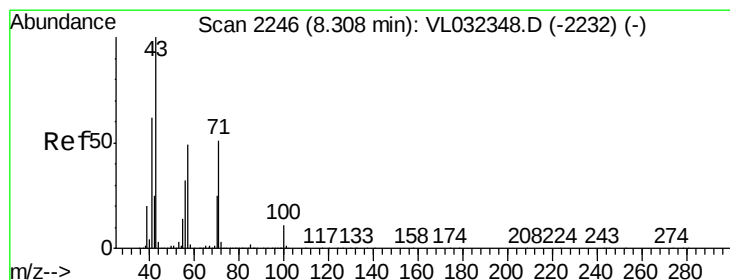
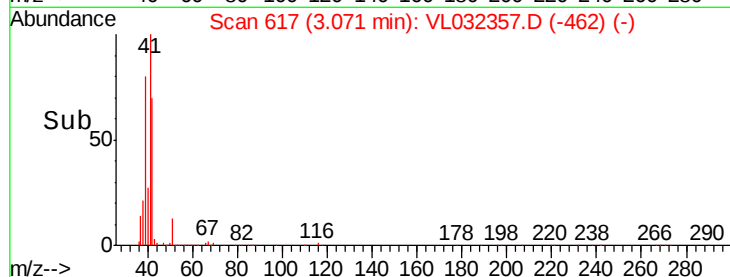
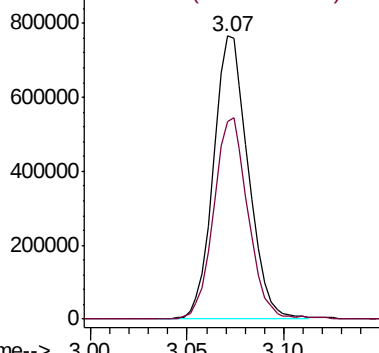
41 100

42 70.9 55.9 83.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.851 ppbv

RT: 8.31 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VL032357.D

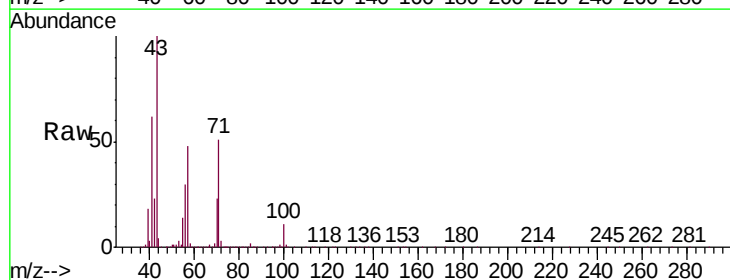
Acq: 15 Aug 2018 18:29

Tgt Ion: 43 Resp: 2873664

Ion Ratio Lower Upper

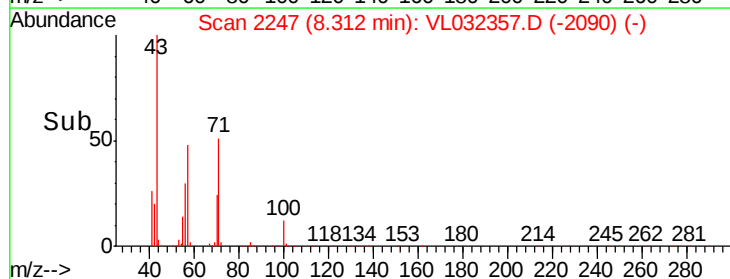
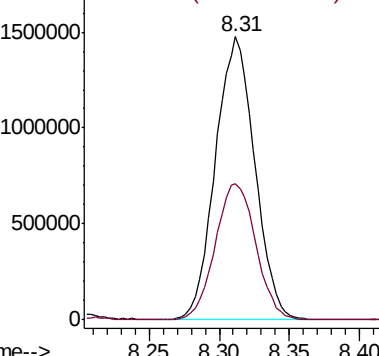
43 100

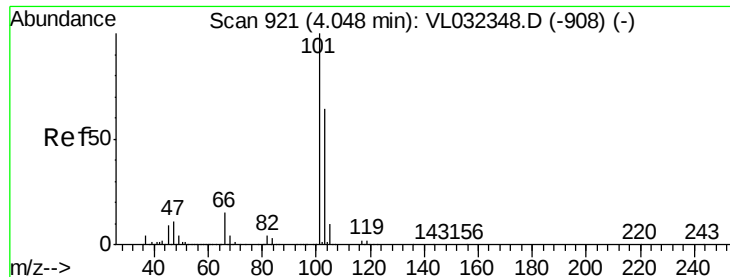
57 49.8 39.5 59.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

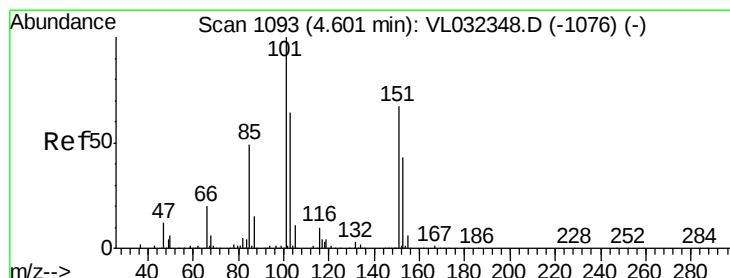
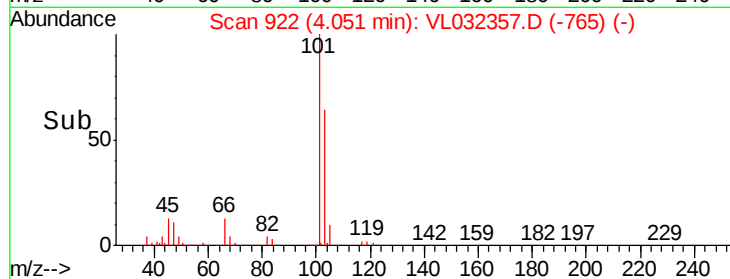
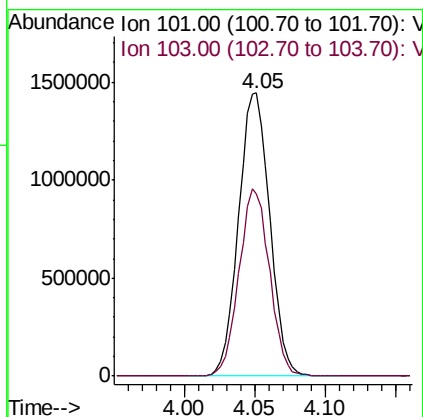
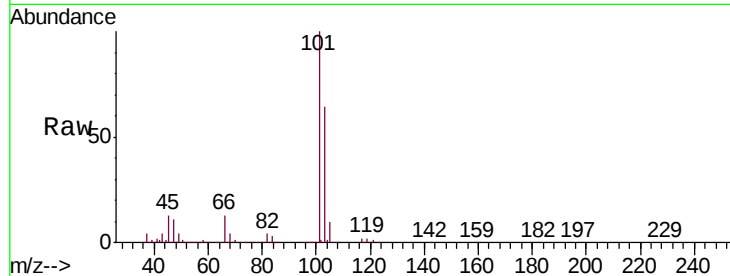




#11
 Trichlorofluoromethane
 Concen: 8.238 ppbv
 RT: 4.05 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

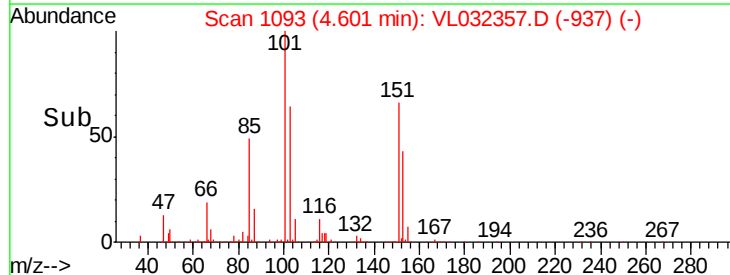
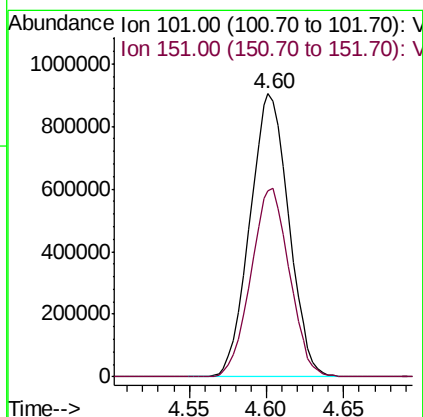
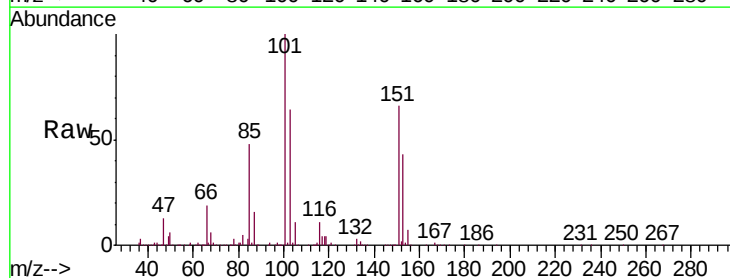
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS01

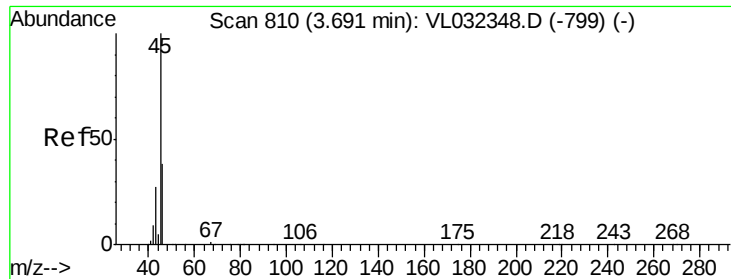
Tgt Ion:101 Resp: 2250936
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.615 ppbv
 RT: 4.60 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

Tgt Ion:101 Resp: 1585089
 Ion Ratio Lower Upper
 101 100
 151 66.0 53.1 79.7





#13

Ethanol

Concen: 10.093 ppbv

RT: 3.69 min Scan# 810

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

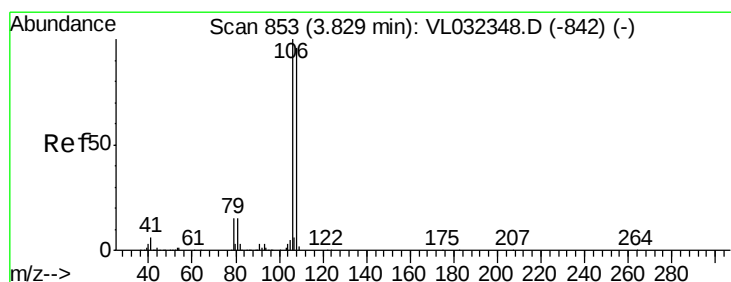
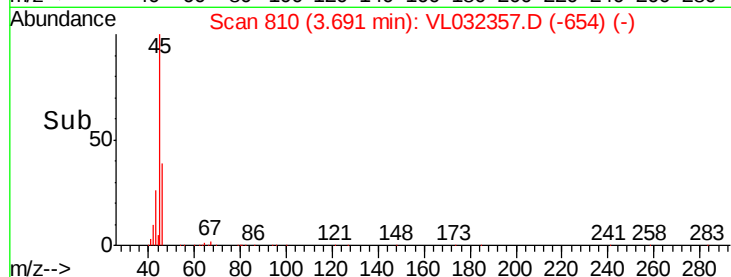
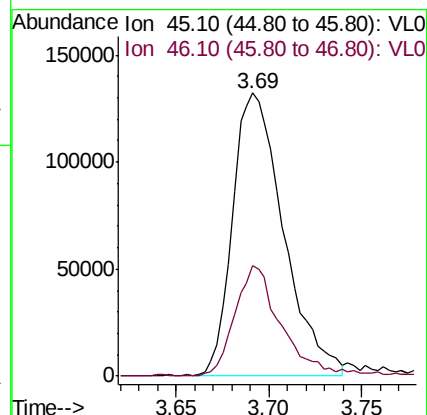
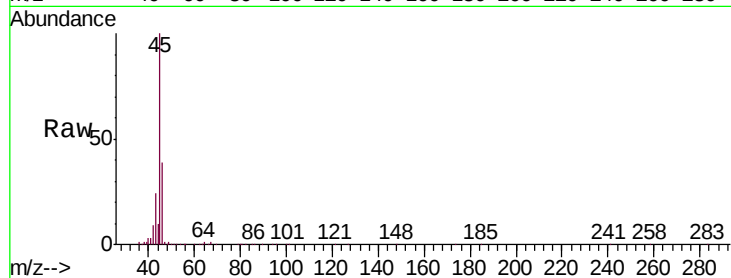
VL0815ABS01

Tgt Ion: 45 Resp: 251078

Ion Ratio Lower Upper

45 100

46 37.2 15.6 62.4



#14

Bromoethene

Concen: 8.964 ppbv

RT: 3.83 min Scan# 854

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

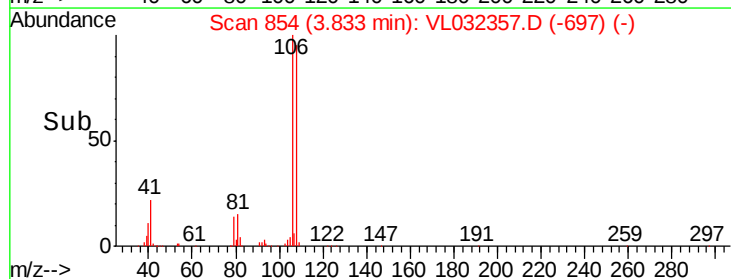
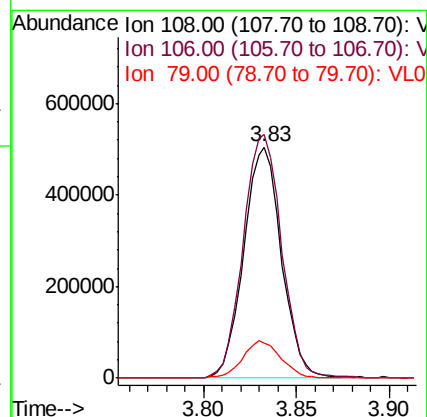
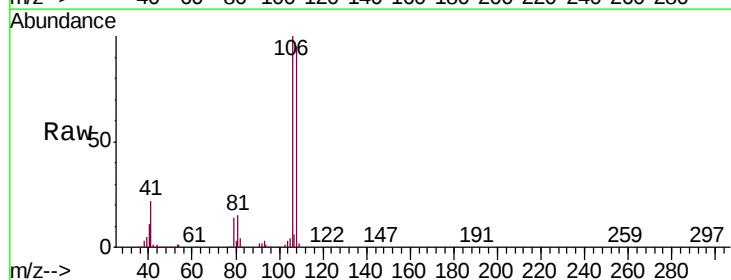
Tgt Ion: 108 Resp: 713309

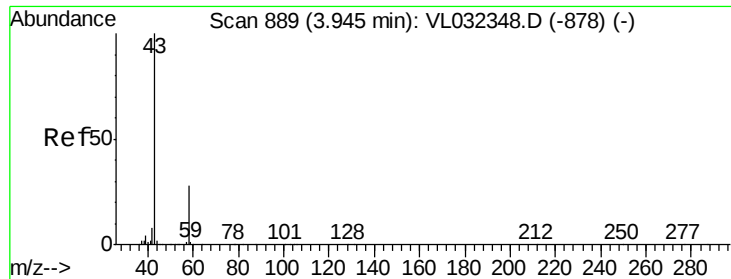
Ion Ratio Lower Upper

108 100

106 108.1 85.7 128.5

79 16.7 13.1 19.7

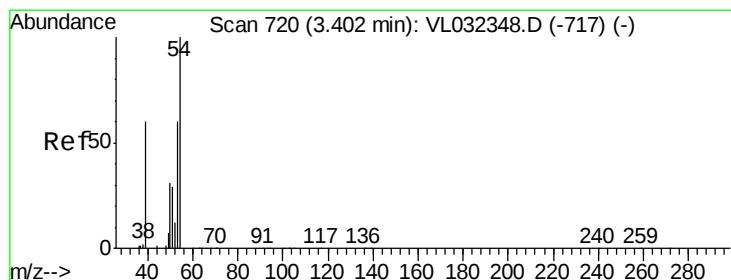
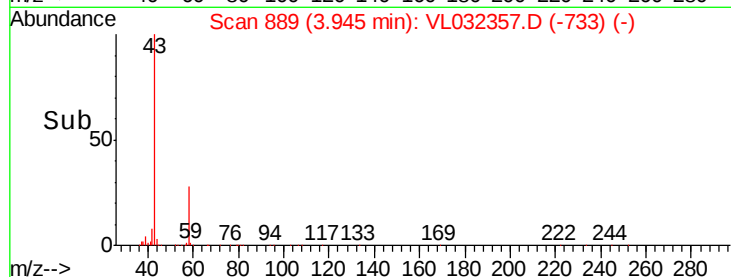
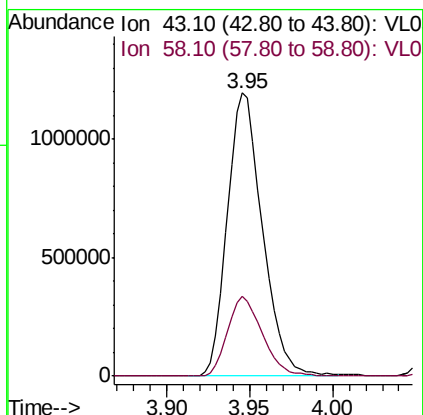
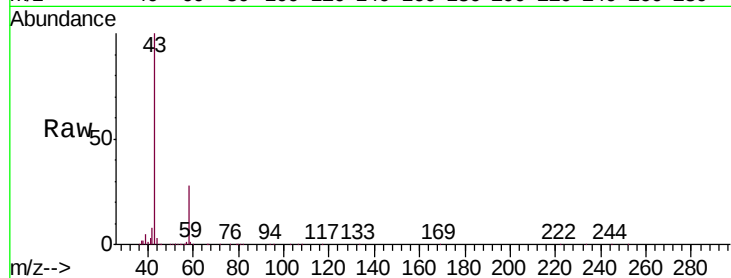




#15
Acetone
Concen: 7.563 ppbv
RT: 3.95 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032357.D
Acq: 15 Aug 2018 18:29

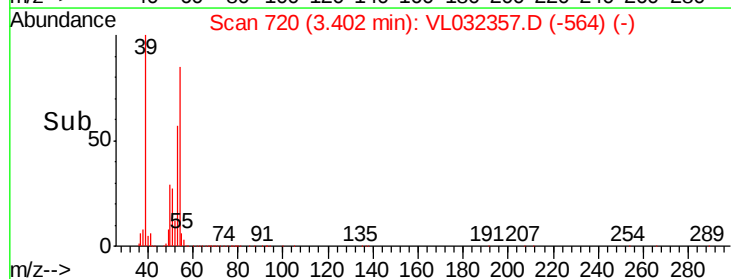
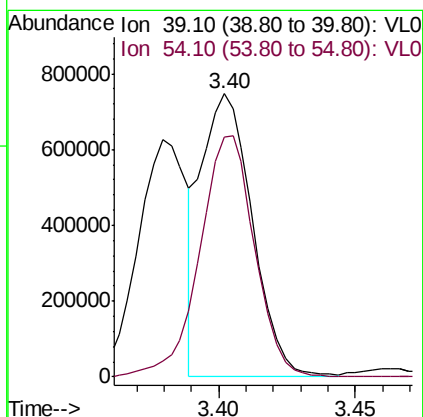
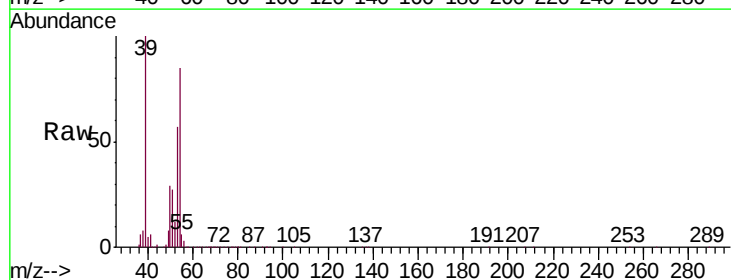
Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS01

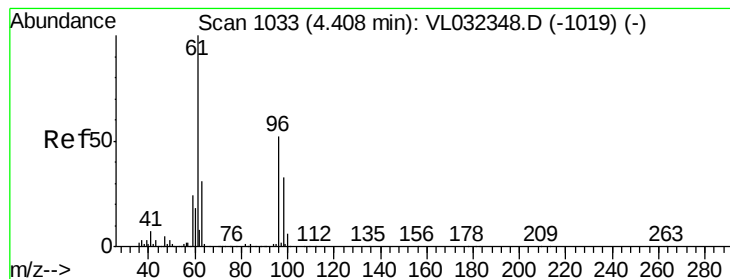
Tgt Ion: 43 Resp: 1755428
Ion Ratio Lower Upper
43 100
58 27.9 22.4 33.6



#16
1,3-Butadiene
Concen: 10.092 ppbv
RT: 3.40 min Scan# 720
Delta R.T. 0.00 min
Lab File: VL032357.D
Acq: 15 Aug 2018 18:29

Tgt Ion: 39 Resp: 967185
Ion Ratio Lower Upper
39 100
54 92.4 85.5 128.3





#17

tert-Butyl alcohol

Concen: 8.829 ppbv

RT: 4.41 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

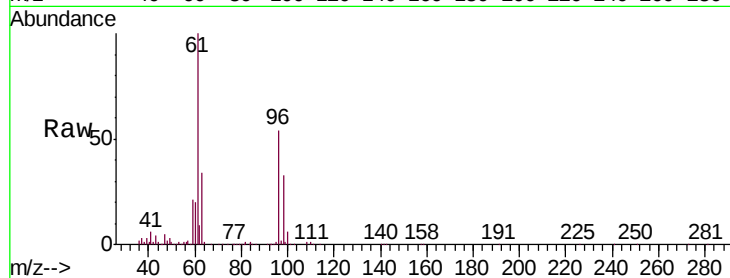
VL0815ABS01

Tgt Ion: 59 Resp: 343854

Ion Ratio Lower Upper

59 100

57 9.6 7.6 11.4



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

200000

150000

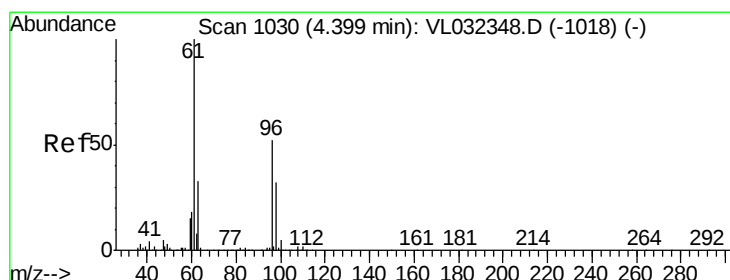
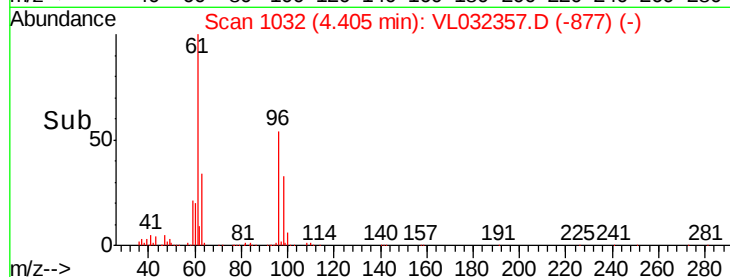
100000

50000

0

4.35 4.40 4.45

Time-->



#18

1,1-Dichloroethene

Concen: 8.989 ppbv

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

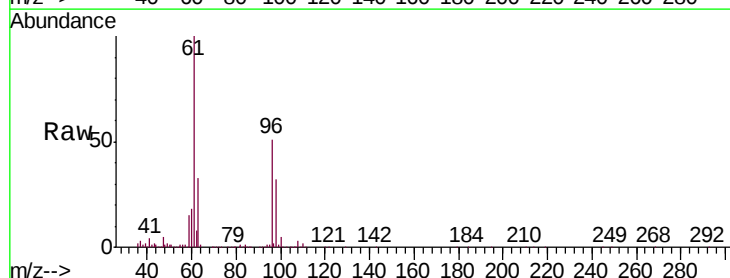
Tgt Ion: 96 Resp: 770615

Ion Ratio Lower Upper

96 100

61 195.4 154.6 231.8

98 62.7 50.1 75.1



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

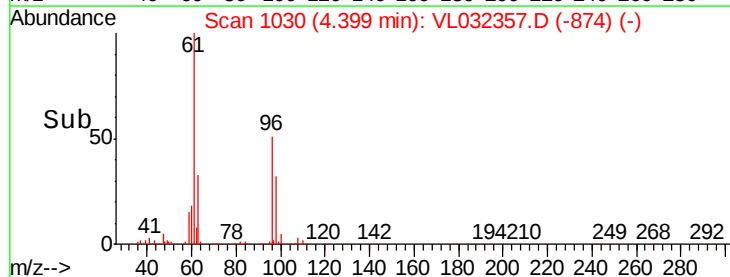
1000000

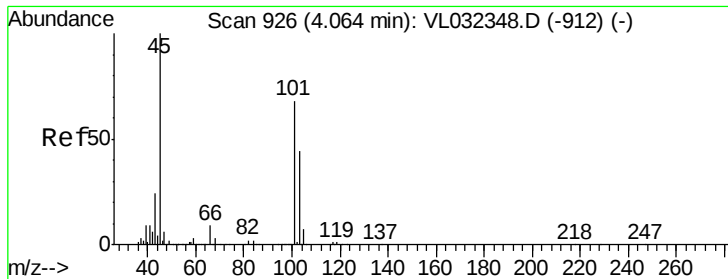
500000

0

4.35 4.40 4.45

Time-->





#19

Isopropyl Alcohol

Concen: 8.816 ppbv

RT: 4.06 min Scan# 926

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

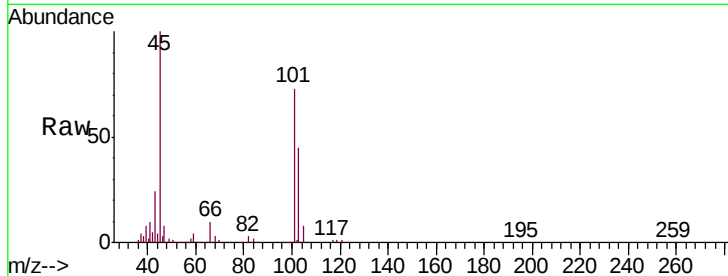
VL0815ABS01

Tgt Ion: 45 Resp: 1378032

Ion Ratio Lower Upper

45 100

58 2.4 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.06

800000

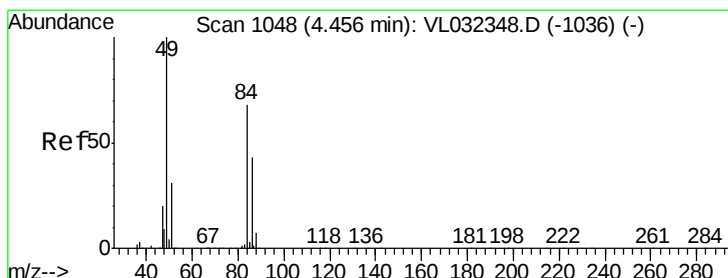
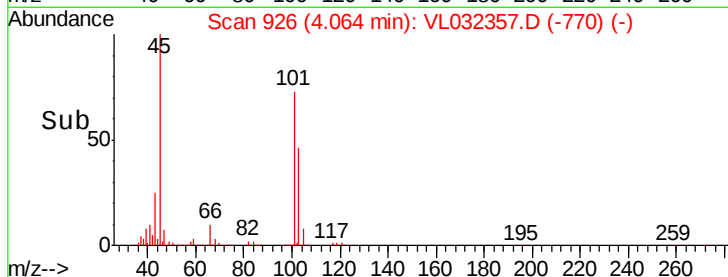
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 7.815 ppbv

RT: 4.46 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Tgt Ion: 84 Resp: 685130

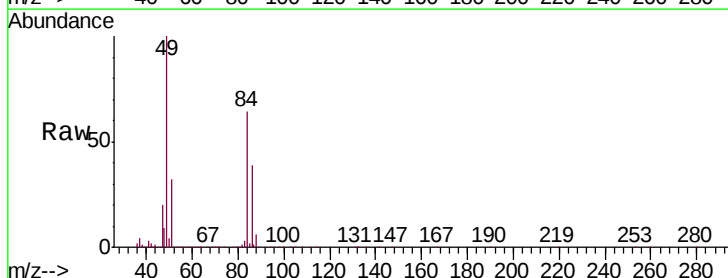
Ion Ratio Lower Upper

84 100

49 156.2 117.3 175.9

51 49.5 36.6 55.0

86 61.8 49.8 74.8



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

1000000

800000

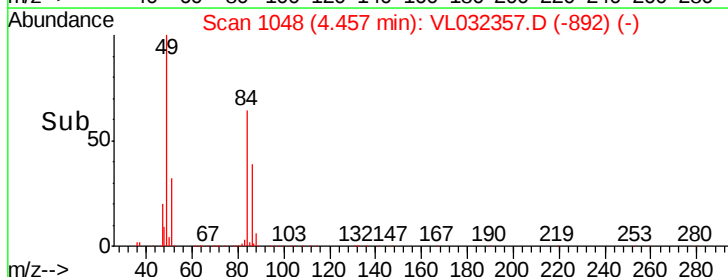
600000

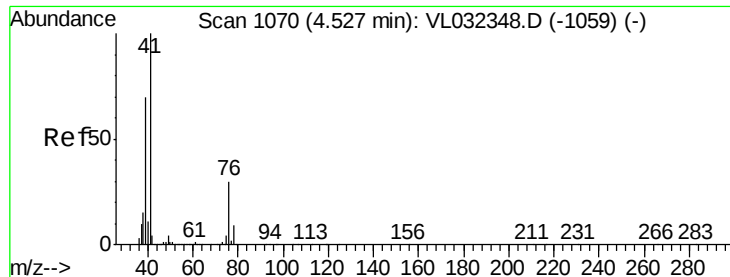
400000

200000

0

Time-->

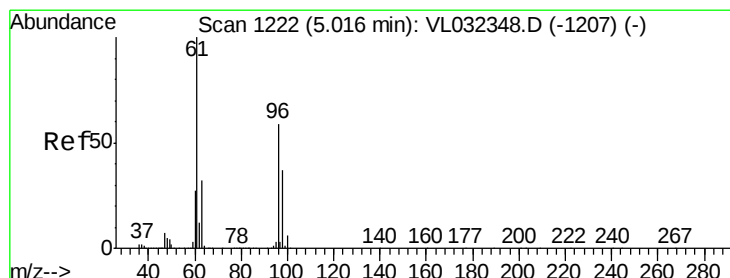
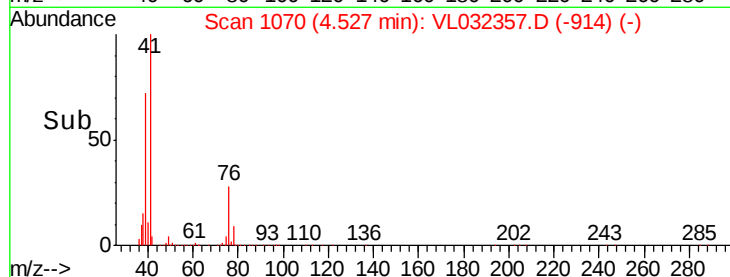
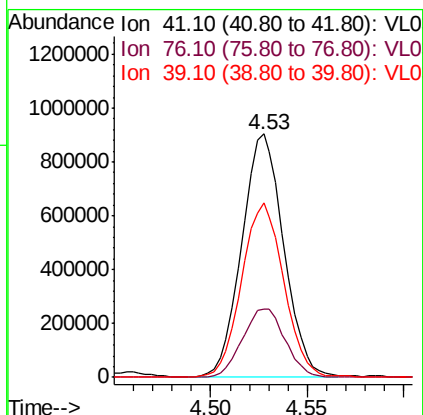
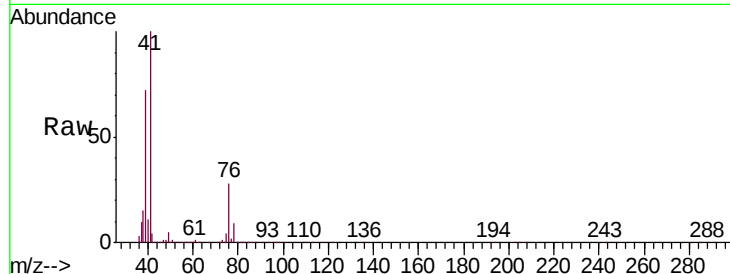




#21
 Allyl Chloride
 Concen: 9.290 ppbv
 RT: 4.53 min Scan# 1070
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

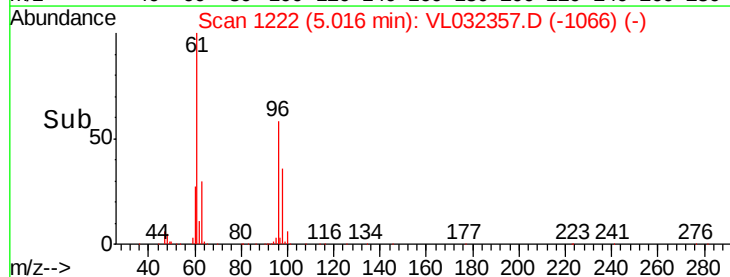
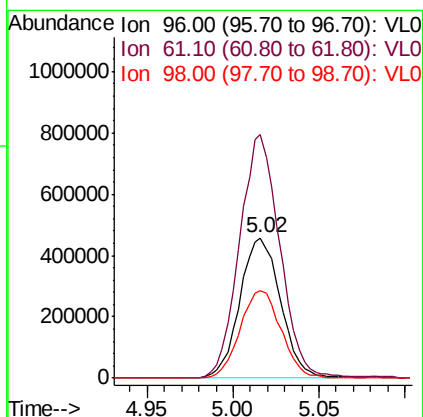
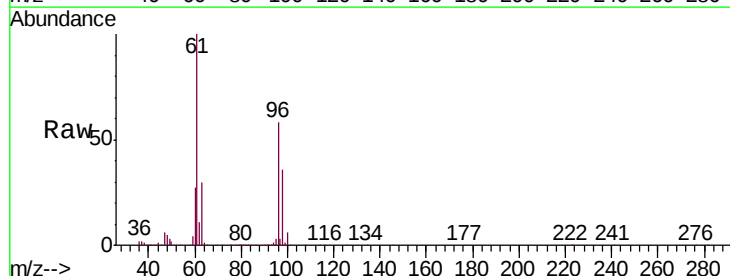
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS01

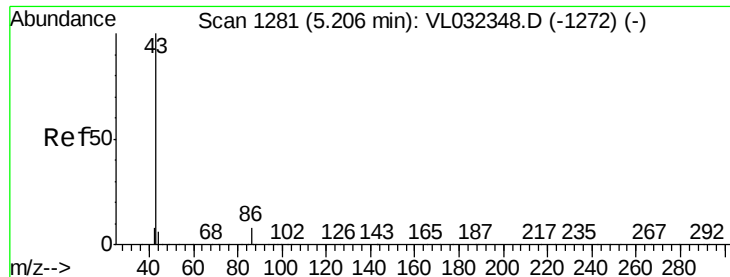
Tgt Ion: 41 Resp: 1361053
 Ion Ratio Lower Upper
 41 100
 76 28.8 22.9 34.3
 39 72.0 57.6 86.4



#22
 trans-1,2-Dichloroethene
 Concen: 8.713 ppbv
 RT: 5.02 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

Tgt Ion: 96 Resp: 753277
 Ion Ratio Lower Upper
 96 100
 61 173.9 136.6 205.0
 98 62.5 50.6 76.0



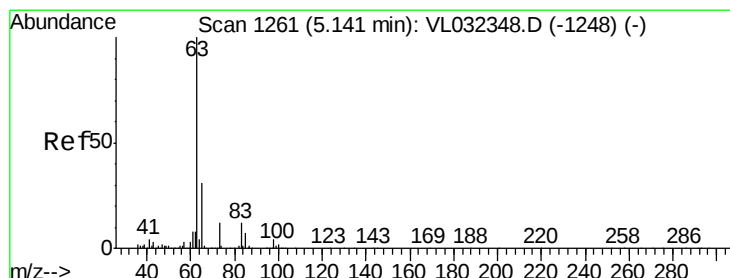
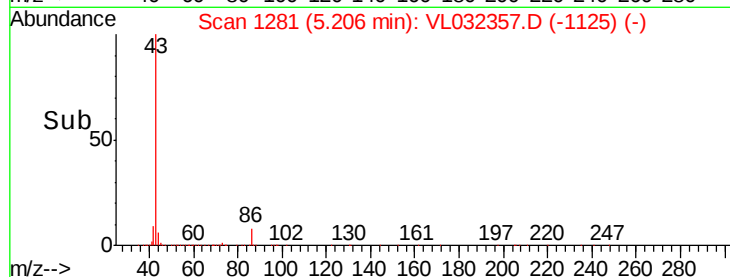
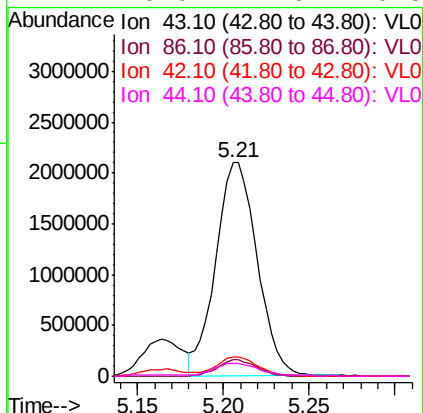
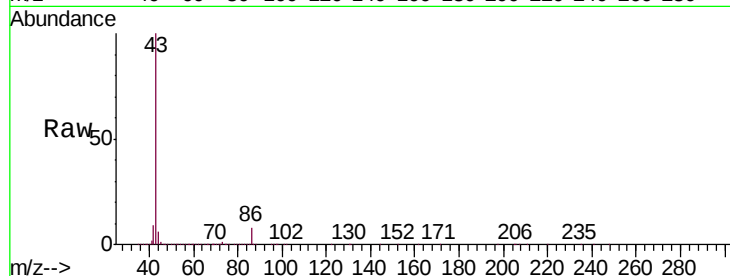


#23
 Vinyl Acetate
 Concen: 8.775 ppbv
 RT: 5.21 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS01

Tgt Ion: 43 Resp: 3517272

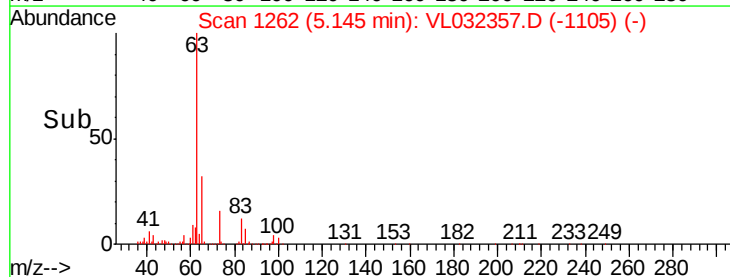
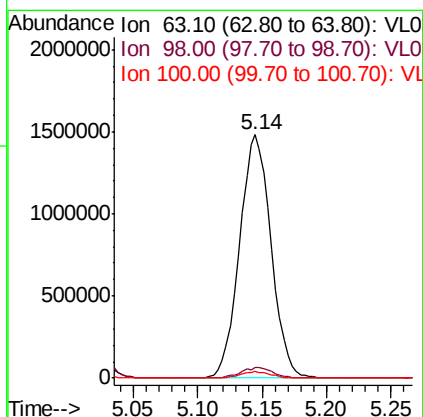
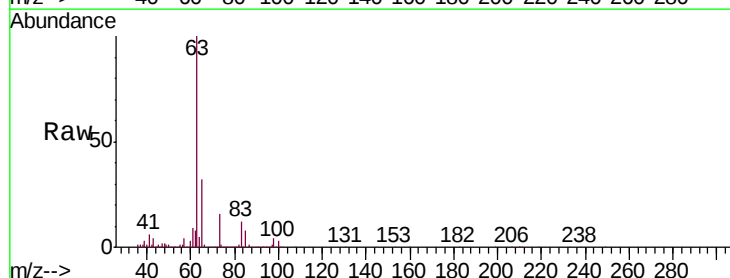
Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.5	8.3
42	9.1	7.0	10.6
44	6.0	4.6	6.8

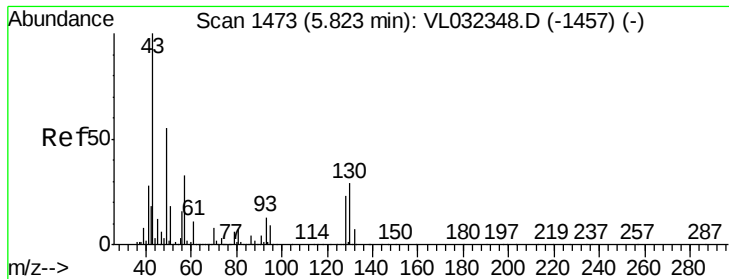


#24
 1,1-Dichloroethane
 Concen: 8.681 ppbv
 RT: 5.14 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

Tgt Ion: 63 Resp: 2512252

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.3
100	2.9	1.2	3.6



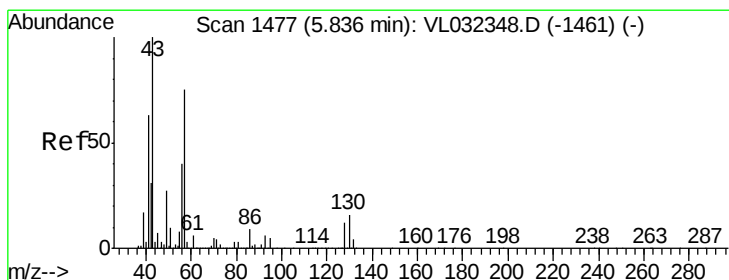
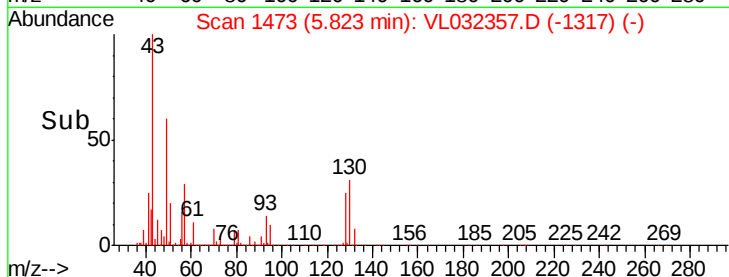
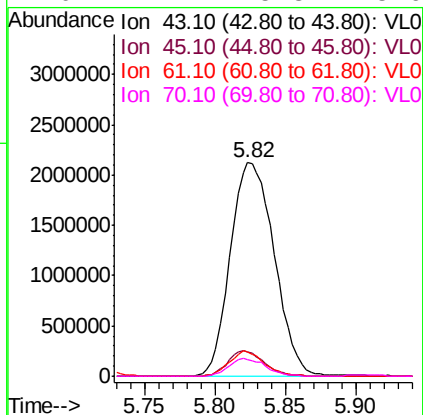
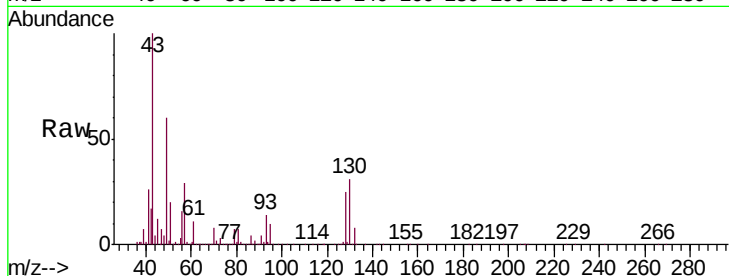


#25
Ethyl Acetate
Concen: 9.271 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VL032357.D
Acq: 15 Aug 2018 18:29

Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS01

Tgt Ion: 43 Resp: 4611522

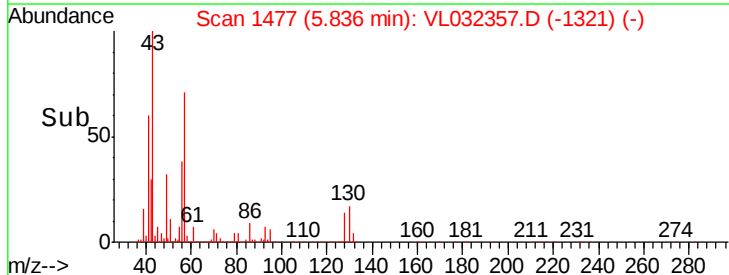
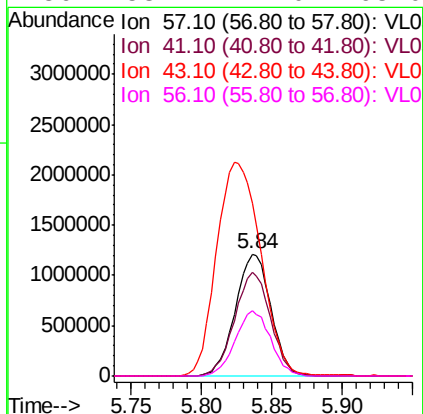
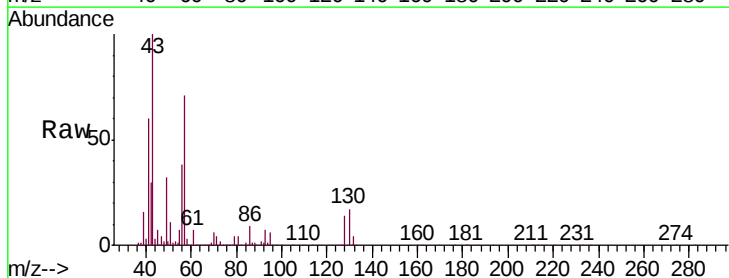
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.5	7.4	11.2
70	7.1	5.8	8.6

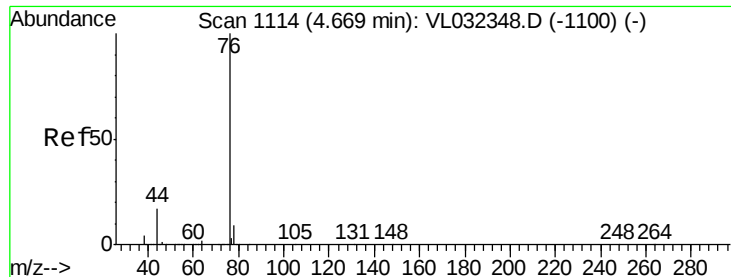


#26
Hexane
Concen: 9.602 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VL032357.D
Acq: 15 Aug 2018 18:29

Tgt Ion: 57 Resp: 2129274

Ion	Ratio	Lower	Upper
57	100		
41	86.0	68.0	102.0
43	217.7	175.3	262.9
56	53.7	42.0	63.0





#27

Carbon Disulfide

Concen: 9.580 ppbv

RT: 4.67 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS01

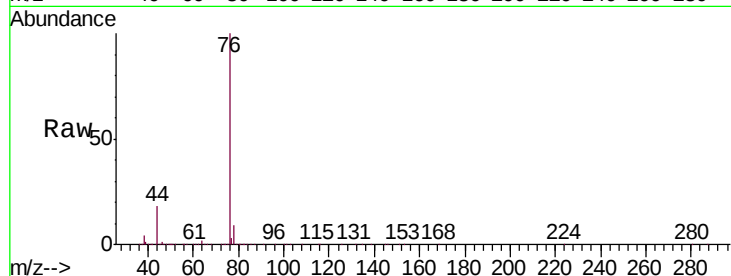
Tgt Ion: 76 Resp: 1982909

Ion Ratio Lower Upper

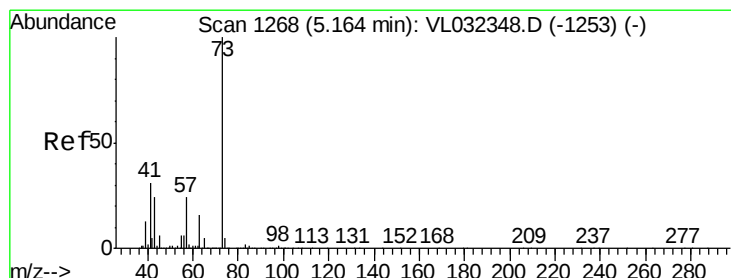
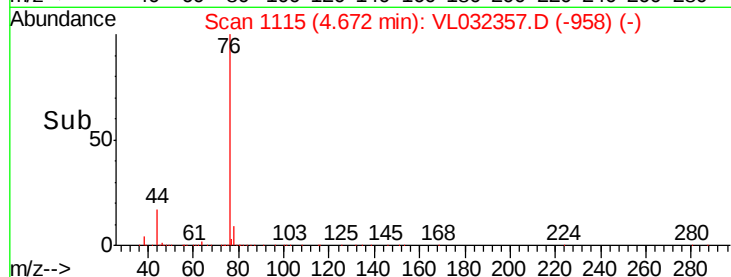
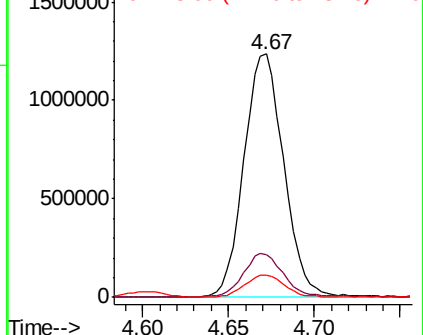
76 100

44 18.1 14.4 21.6

78 9.2 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: 9.080 ppbv

RT: 5.16 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VL032357.D

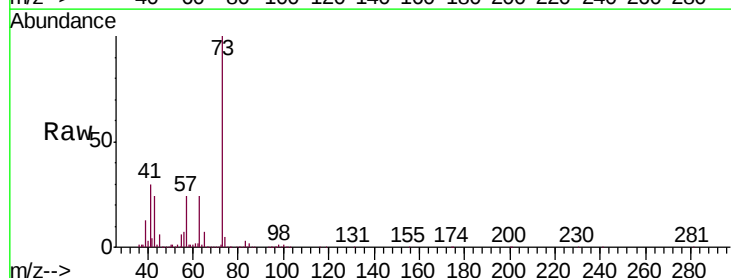
Acq: 15 Aug 2018 18:29

Tgt Ion: 73 Resp: 2672253

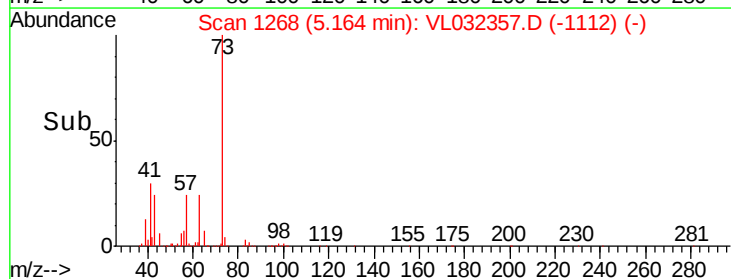
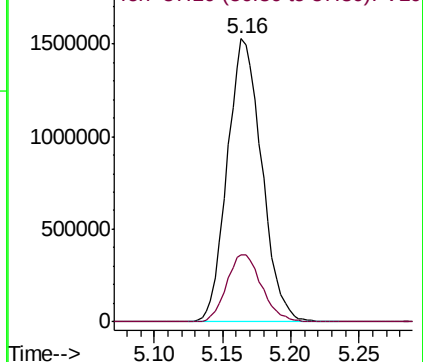
Ion Ratio Lower Upper

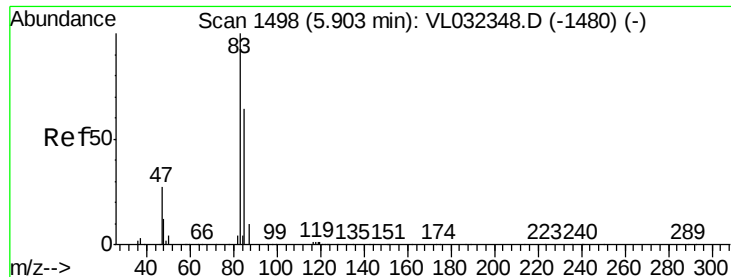
73 100

57 24.5 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: 9.466 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

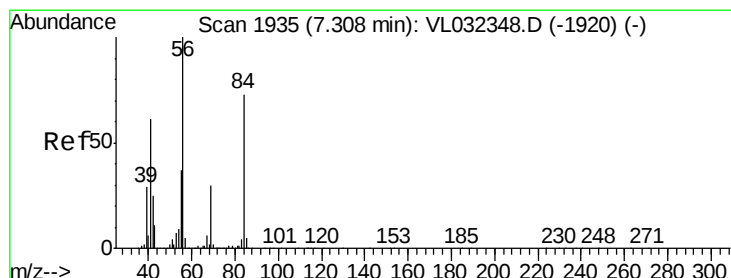
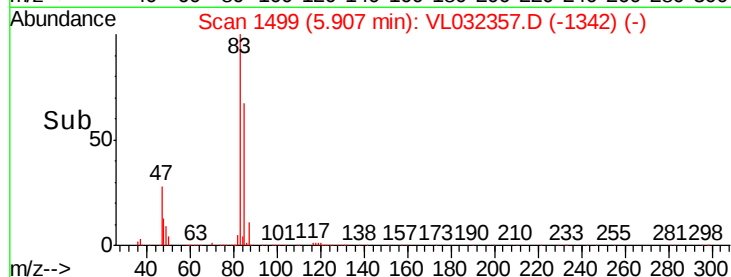
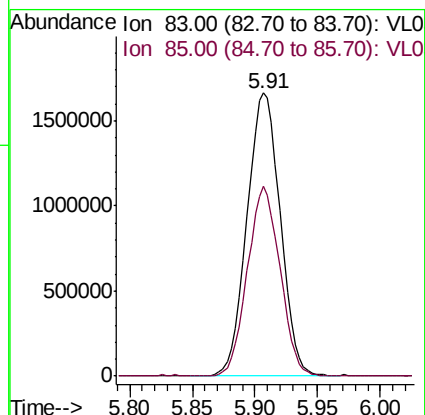
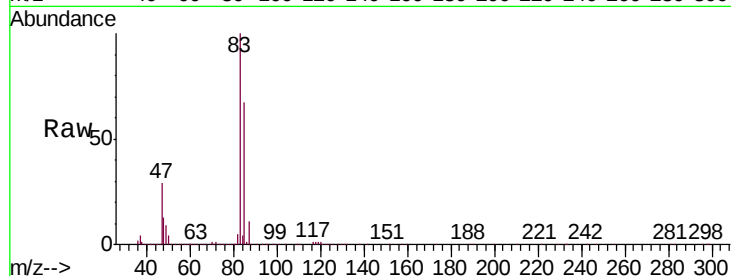
VL0815ABS01

Tgt Ion: 83 Resp: 3076430

Ion Ratio Lower Upper

83 100

85 66.8 51.6 77.4



#30

Cyclohexane

Concen: 9.718 ppbv

RT: 7.31 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

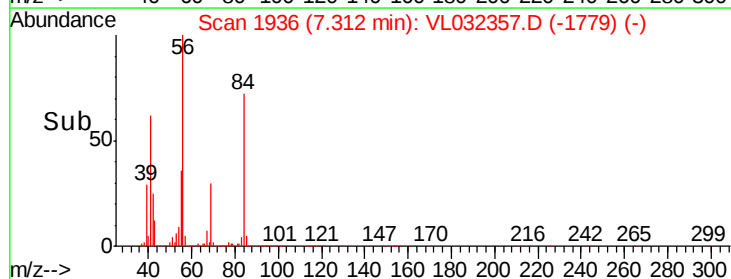
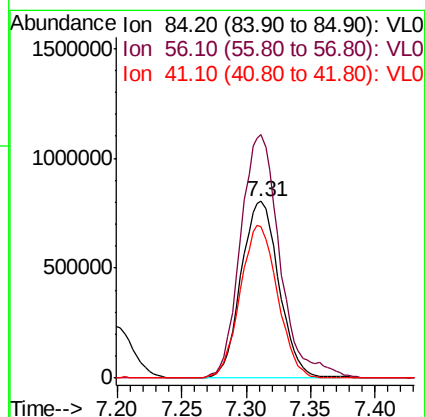
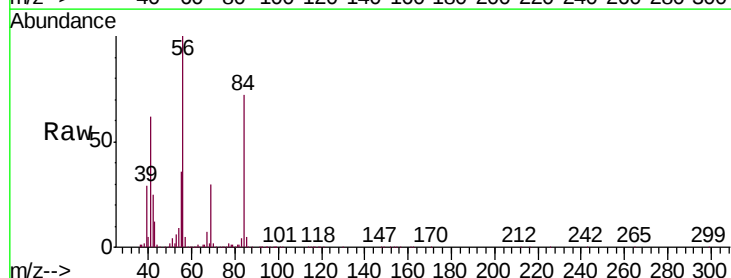
Tgt Ion: 84 Resp: 1641655

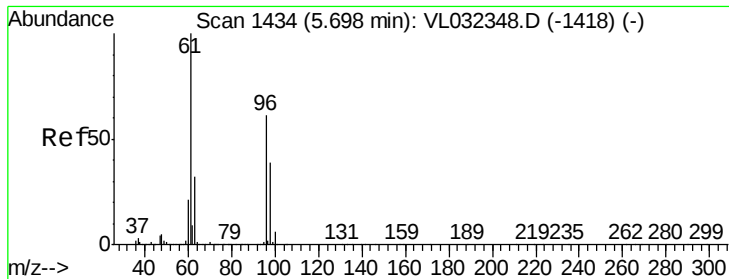
Ion Ratio Lower Upper

84 100

56 144.1 115.7 173.5

41 85.3 67.9 101.9

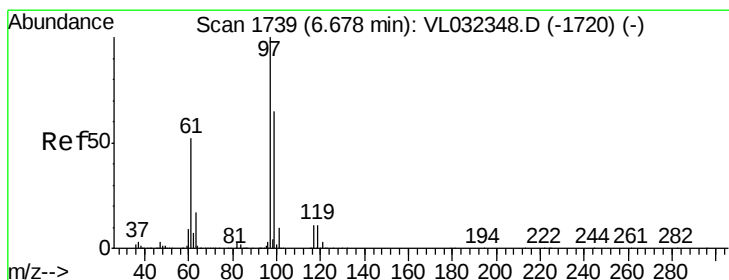
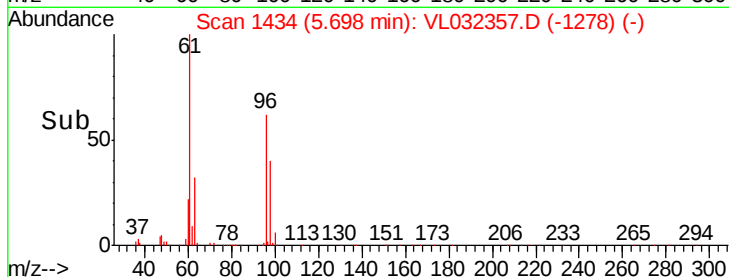
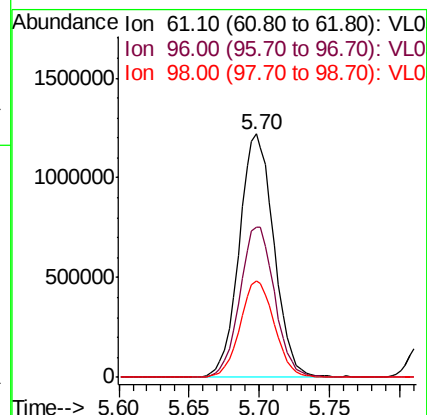
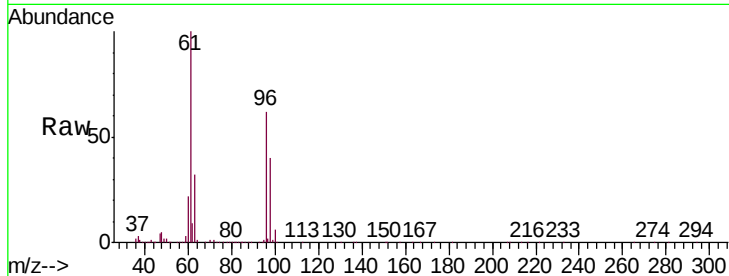




#31
 cis-1,2-Dichloroethene
 Concen: 9.680 ppbv
 RT: 5.70 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

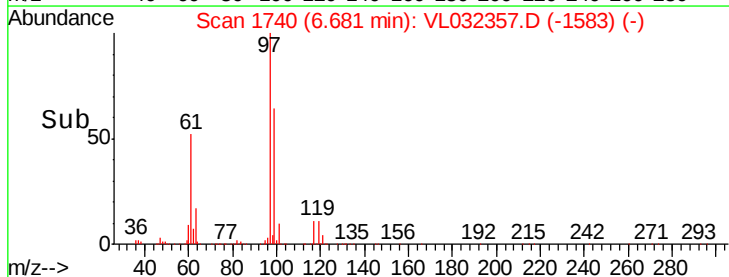
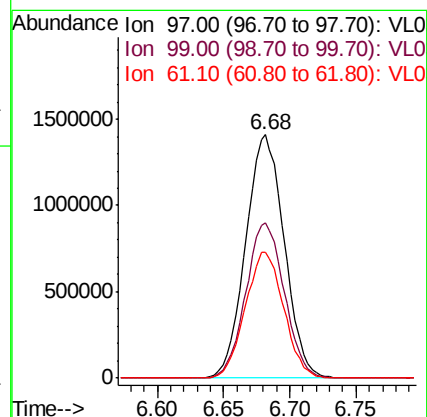
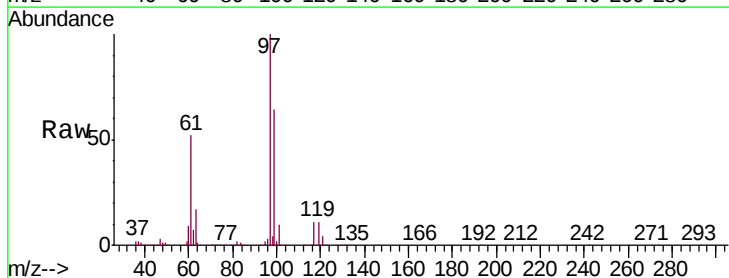
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS01

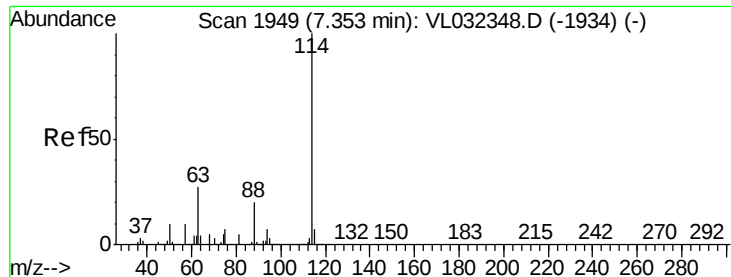
Tgt Ion: 61 Resp: 2100114
 Ion Ratio Lower Upper
 61 100
 96 61.6 48.5 72.7
 98 39.7 31.0 46.4



#32
 1,1,1-Trichloroethane
 Concen: 9.004 ppbv
 RT: 6.68 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

Tgt Ion: 97 Resp: 2847729
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.1 76.7
 61 51.8 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.36 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS01

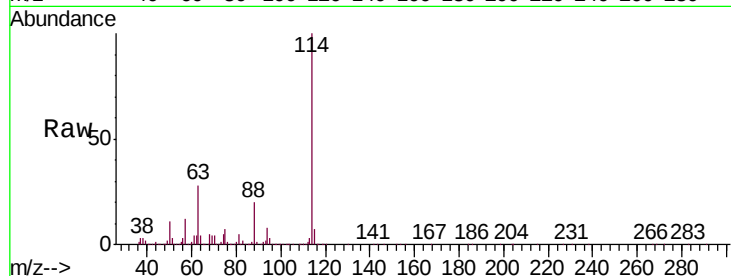
Tgt Ion:114 Resp: 4799466

Ion Ratio Lower Upper

114 100

63 27.8 22.0 33.0

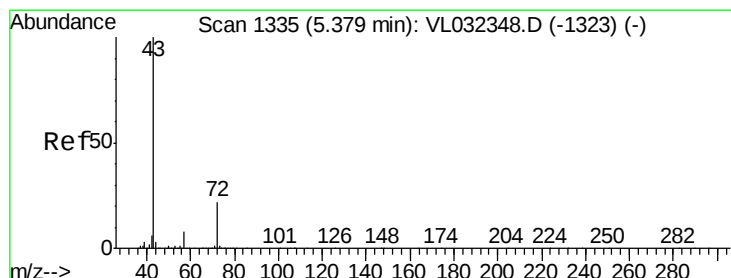
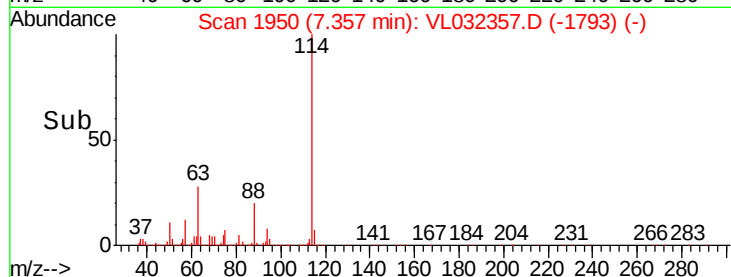
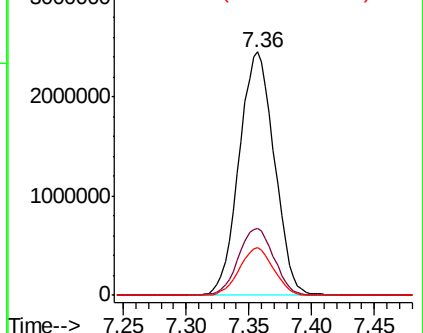
88 19.0 15.3 22.9



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.615 ppbv

RT: 5.38 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VL032357.D

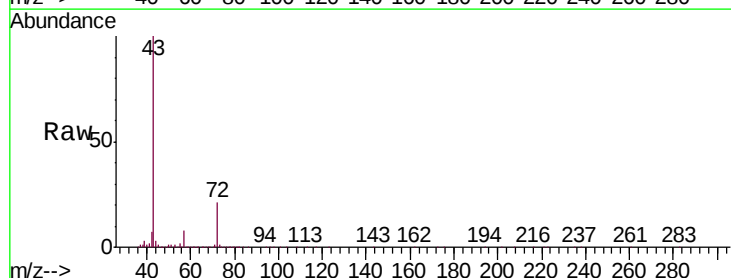
Acq: 15 Aug 2018 18:29

Tgt Ion: 43 Resp: 3140772

Ion Ratio Lower Upper

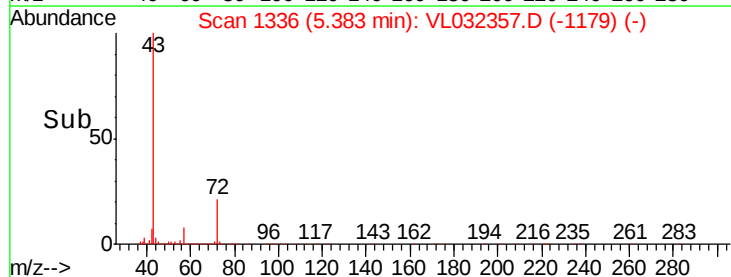
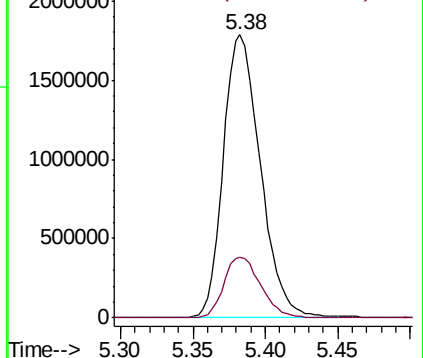
43 100

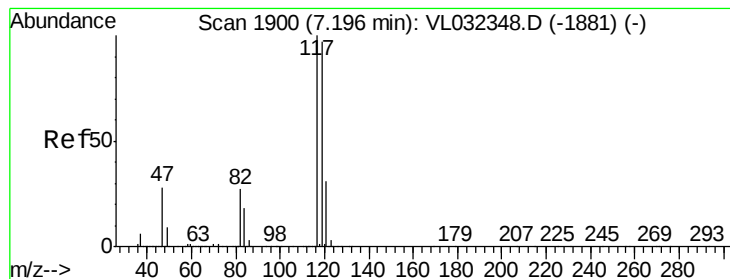
72 21.7 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.094 ppbv

RT: 7.20 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS01

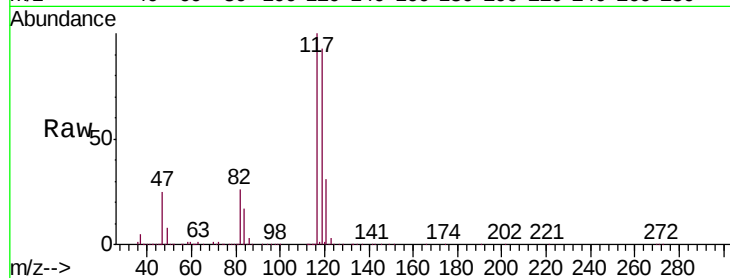
Tgt Ion: 117 Resp: 2856549

Ion Ratio Lower Upper

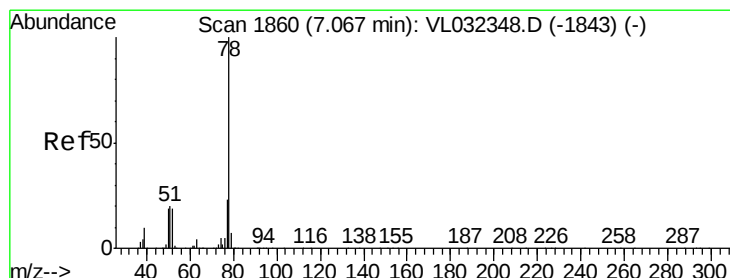
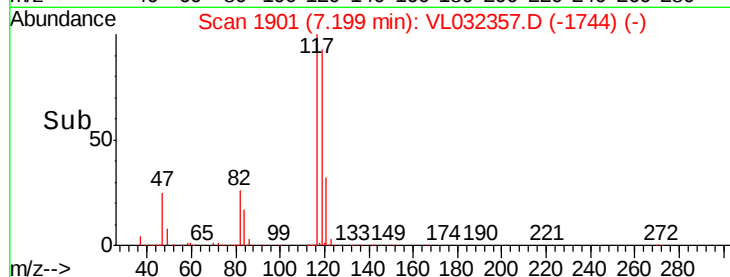
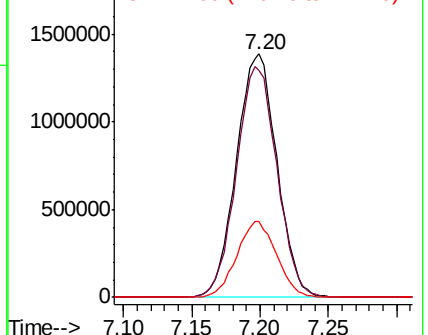
117 100

119 93.3 77.2 115.8

121 31.3 25.1 37.7



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: 10.316 ppbv

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

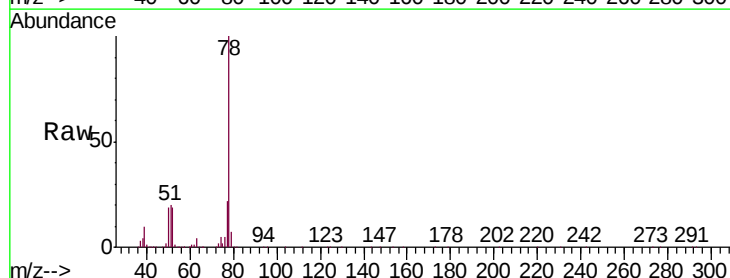
Tgt Ion: 78 Resp: 4197540

Ion Ratio Lower Upper

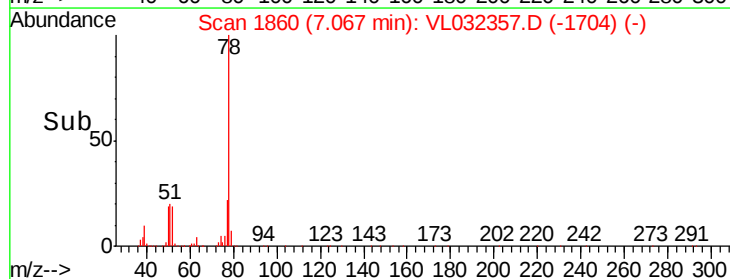
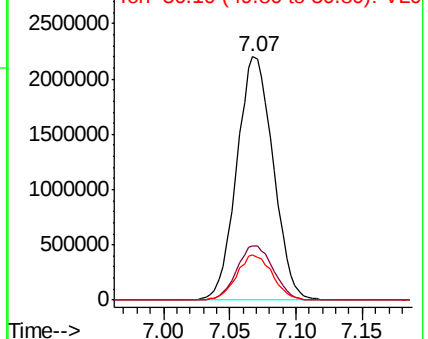
78 100

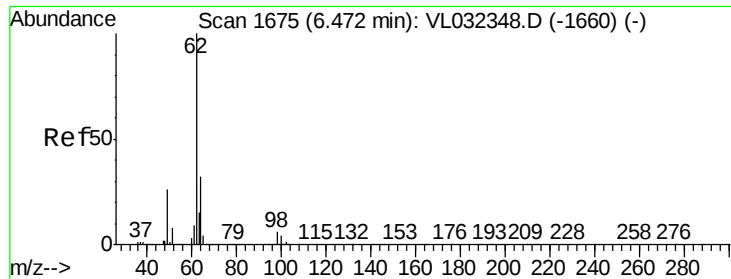
77 22.0 18.0 27.0

50 18.7 15.1 22.7



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

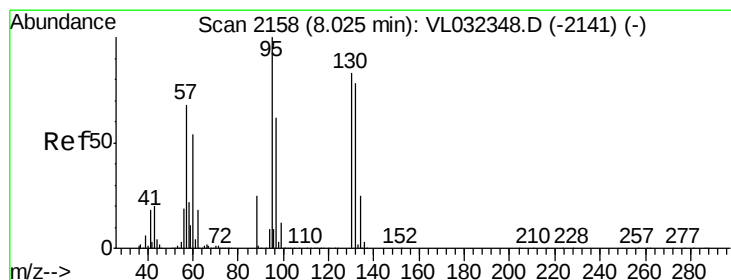
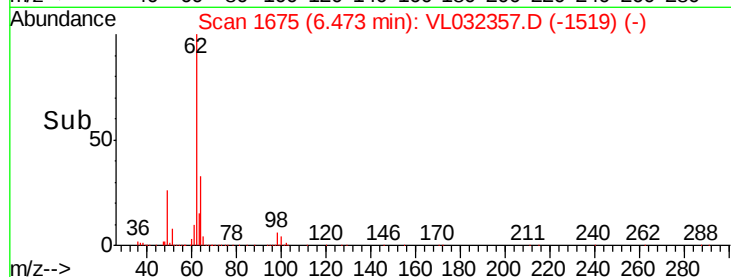
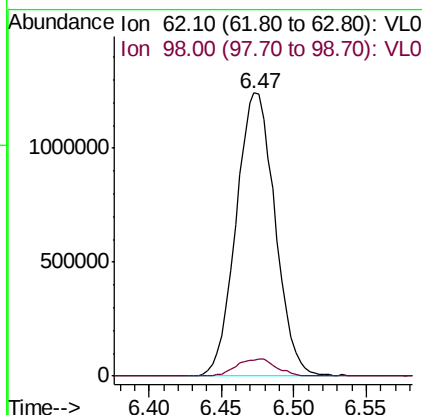
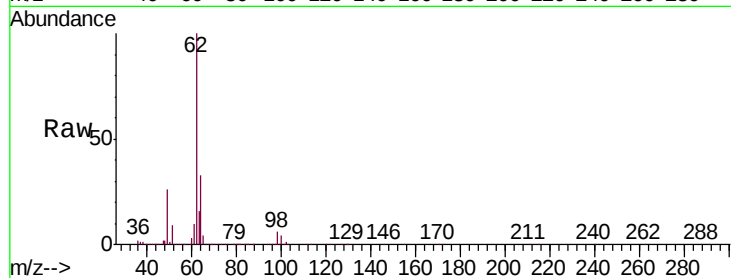




#37
 1,2-Dichloroethane
 Concen: 9.364 ppbv
 RT: 6.47 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

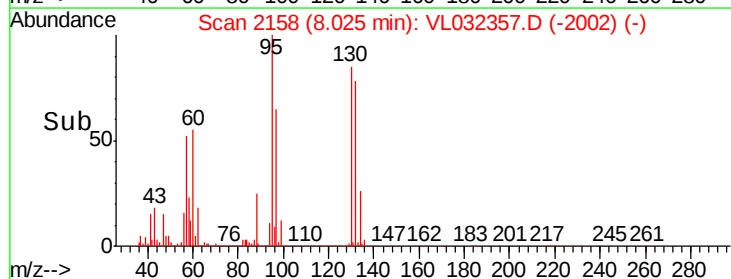
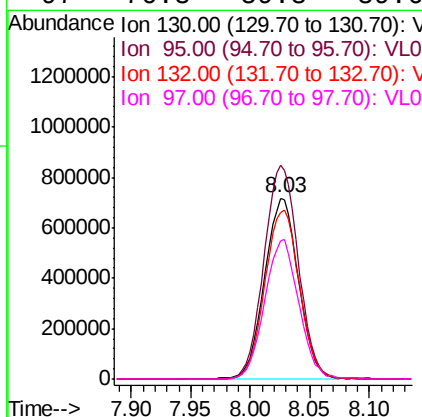
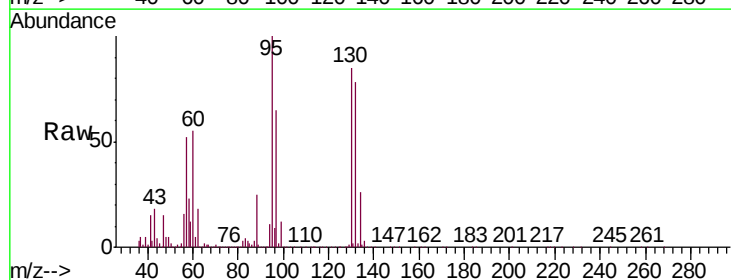
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS01

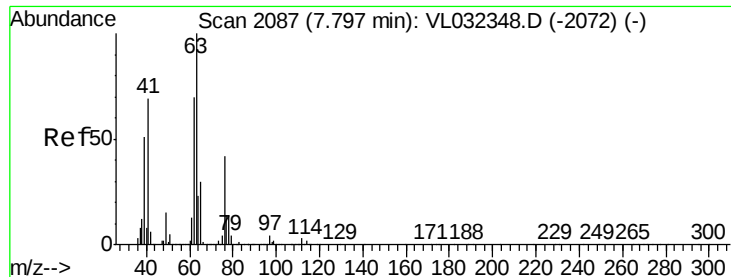
Tgt Ion: 62 Resp: 2311879
 Ion Ratio Lower Upper
 62 100
 98 6.3 5.0 7.6



#38
 Trichloroethene
 Concen: 9.926 ppbv
 RT: 8.03 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

Tgt Ion: 130 Resp: 1416603
 Ion Ratio Lower Upper
 130 100
 95 118.2 96.6 144.8
 132 92.1 75.5 113.3
 97 76.8 59.8 89.6





#39

1,2-Dichloropropane

Concen: 10.070 ppbv

RT: 7.80 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS01

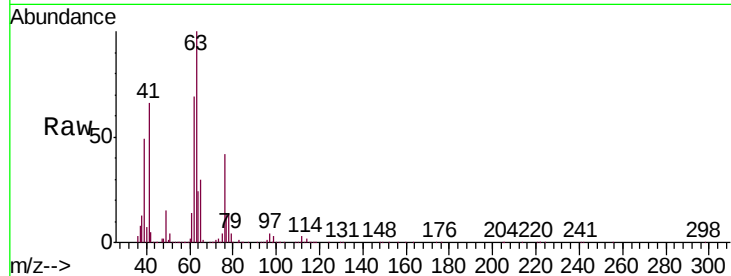
Tgt Ion: 63 Resp: 1711547

Ion Ratio Lower Upper

63 100

41 66.4 55.5 83.3

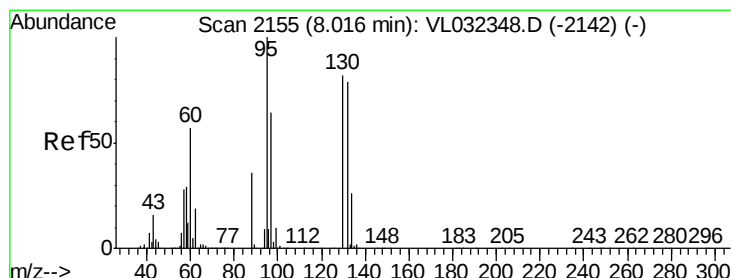
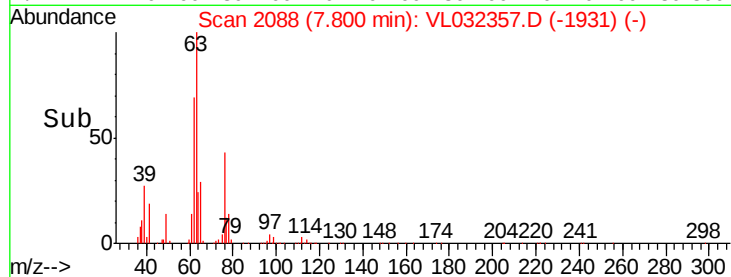
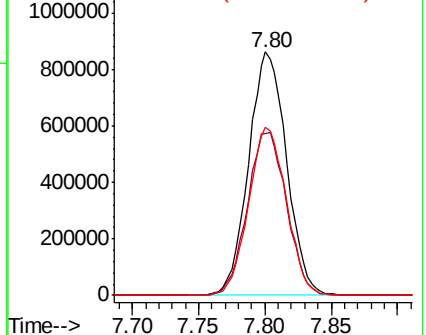
62 68.9 56.3 84.5



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: 10.829 ppbv

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Tgt Ion: 88 Resp: 559108

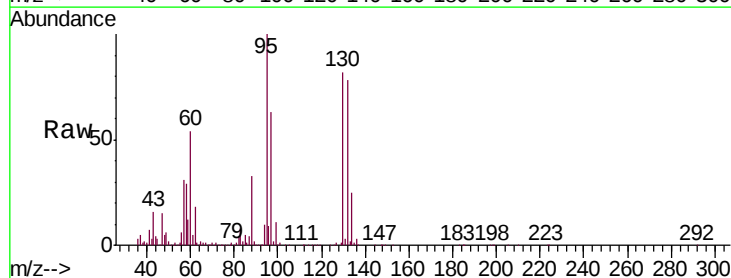
Ion Ratio Lower Upper

88 100

58 145.8 113.7 170.5

43 289.7 224.0 336.0

57 1306.2 1013.0 1519.6

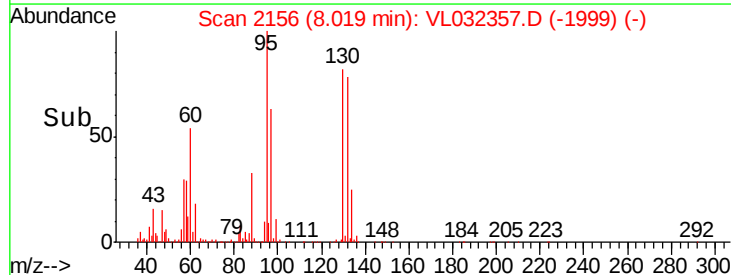
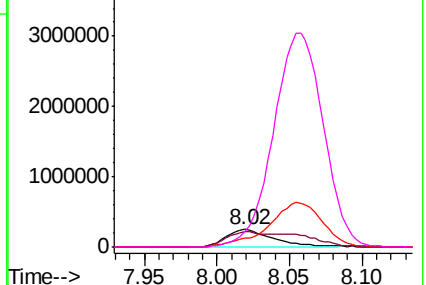


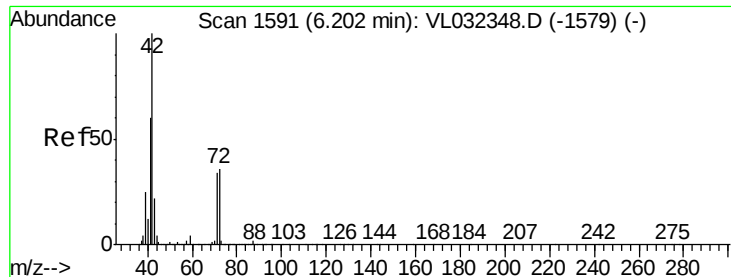
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.450 ppbv

RT: 6.21 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS01

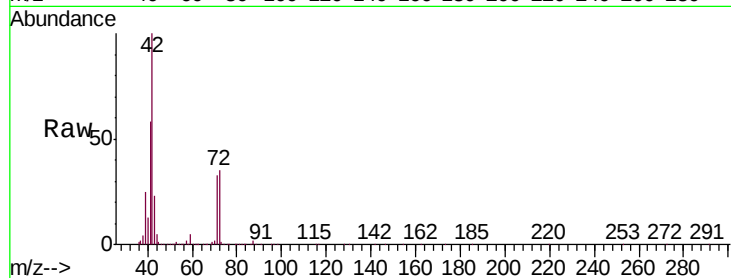
Tgt Ion: 42 Resp: 1832427

Ion Ratio Lower Upper

42 100

72 36.4 29.8 44.6

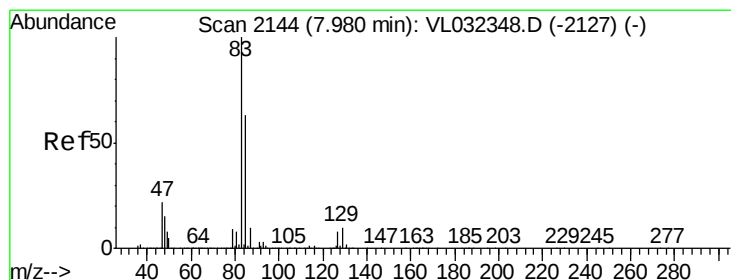
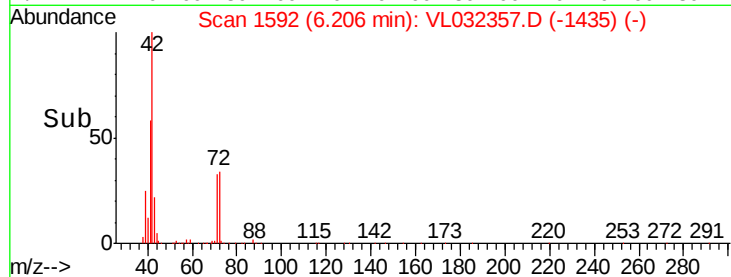
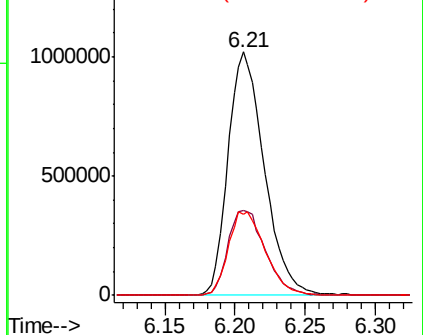
71 35.2 28.2 42.2



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.886 ppbv

RT: 7.98 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

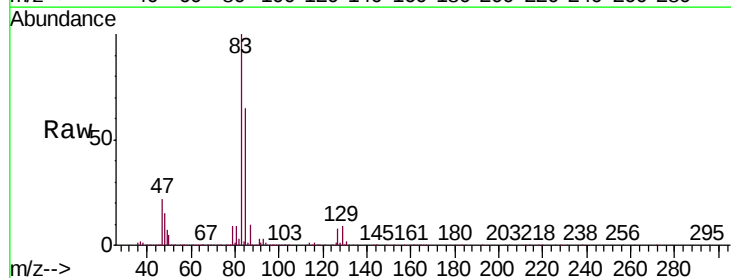
Tgt Ion: 83 Resp: 3195577

Ion Ratio Lower Upper

83 100

85 65.3 50.4 75.6

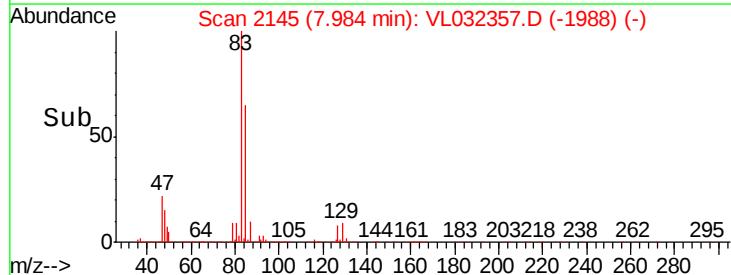
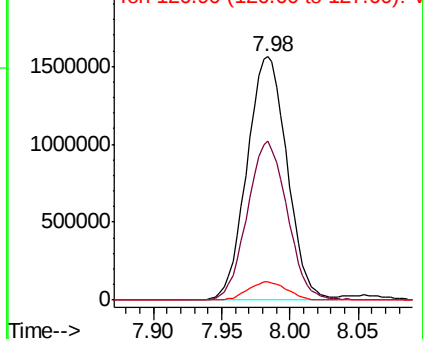
127 7.6 6.1 9.1

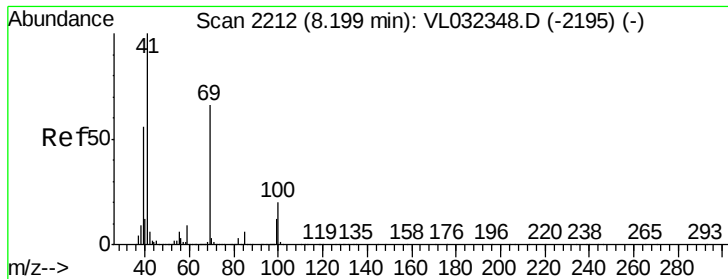


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

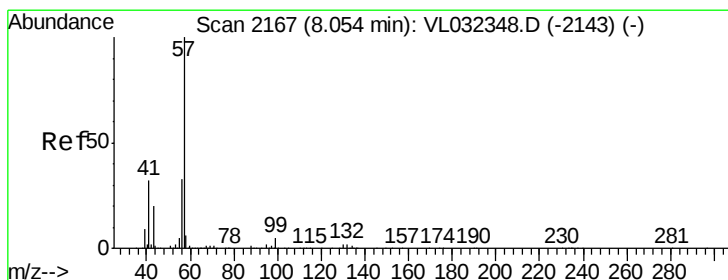
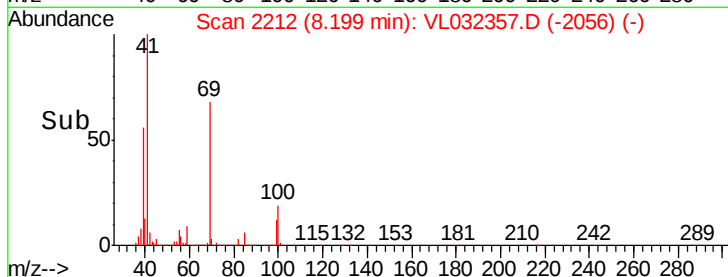
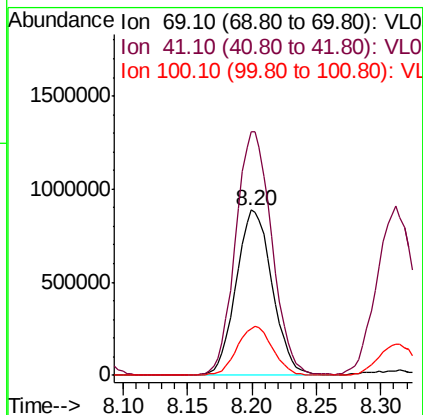
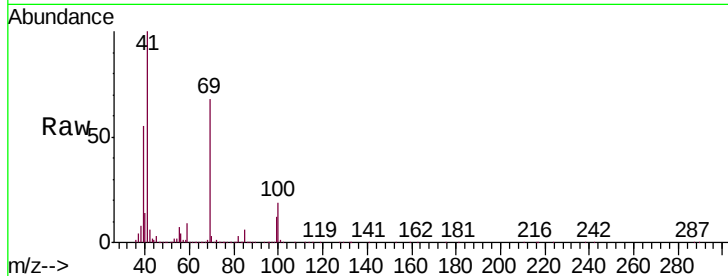




#43
Methyl Methacrylate
Concen: 10.670 ppbv
RT: 8.20 min Scan# 2212
Delta R.T. 0.00 min
Lab File: VL032357.D
Acq: 15 Aug 2018 18:29

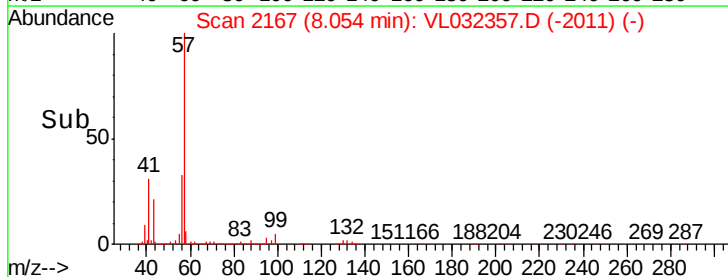
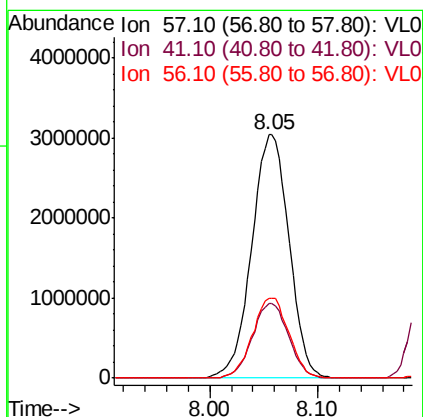
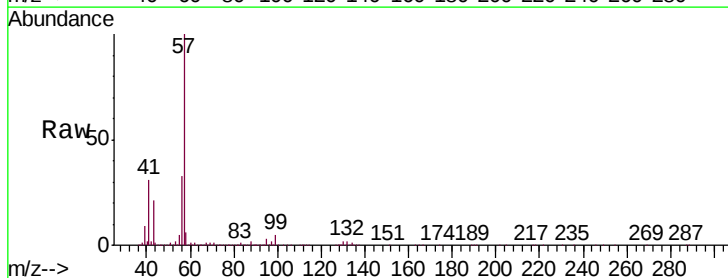
Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS01

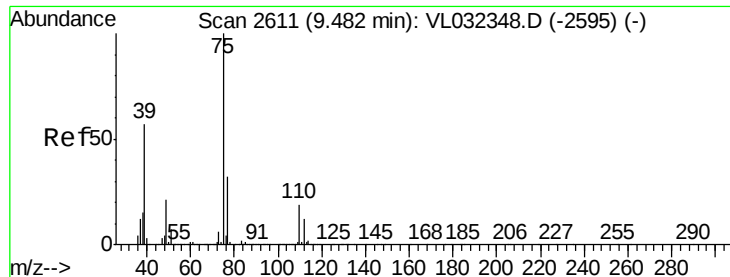
Tgt Ion: 69 Resp: 1729954
Ion Ratio Lower Upper
69 100
41 148.1 118.6 177.8
100 29.2 23.4 35.2



#44
2,2,4-Trimethylpentane
Concen: 9.940 ppbv
RT: 8.05 min Scan# 2167
Delta R.T. 0.00 min
Lab File: VL032357.D
Acq: 15 Aug 2018 18:29

Tgt Ion: 57 Resp: 7293604
Ion Ratio Lower Upper
57 100
41 30.0 24.3 36.5
56 32.0 25.7 38.5

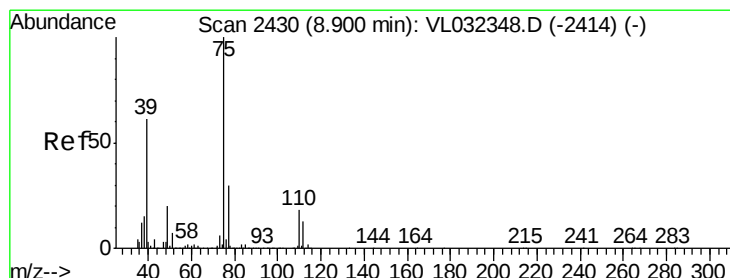
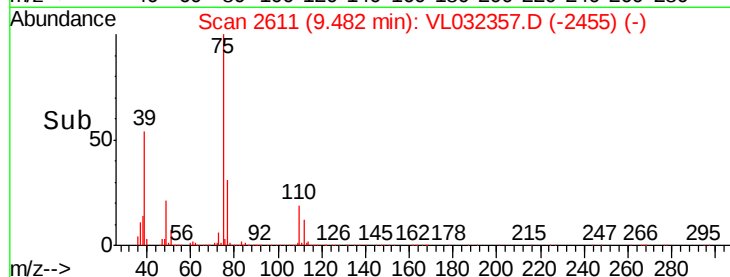
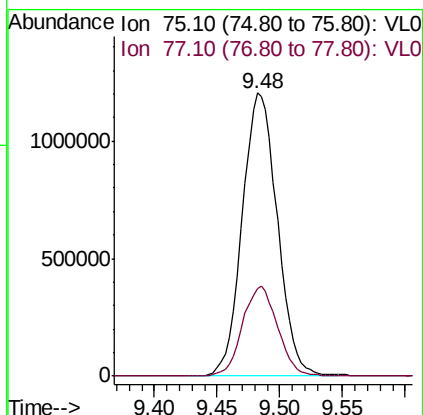
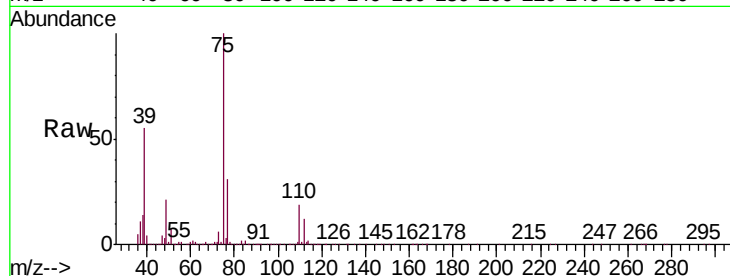




#45
 t-1,3-Dichloropropene
 Concen: 11.428 ppbv
 RT: 9.48 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

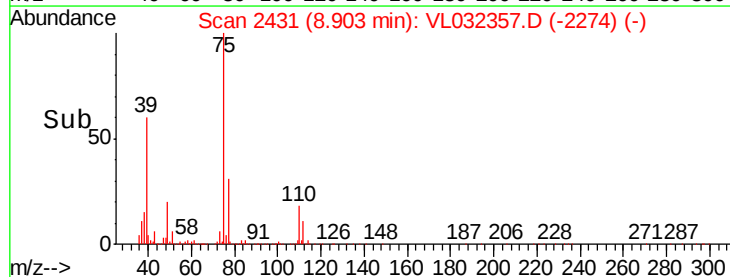
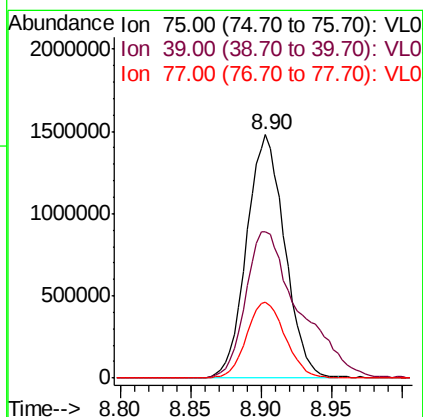
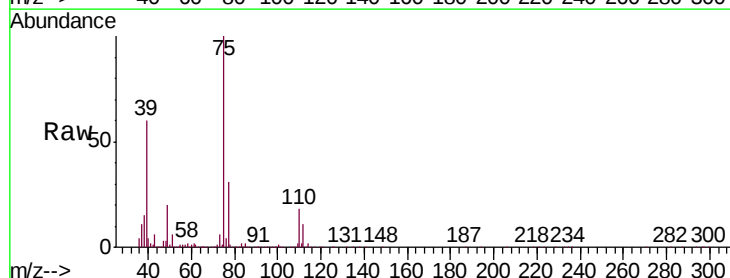
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS01

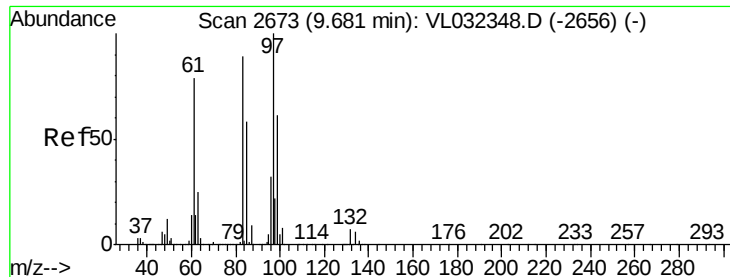
Tgt Ion: 75 Resp: 2343471
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 11.390 ppbv
 RT: 8.90 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

Tgt Ion: 75 Resp: 2801102
 Ion Ratio Lower Upper
 75 100
 39 60.3 48.5 72.7
 77 31.3 24.3 36.5



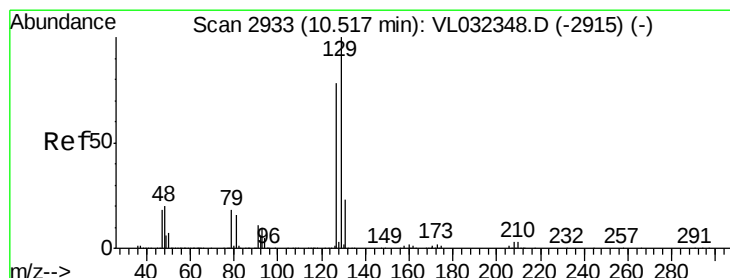
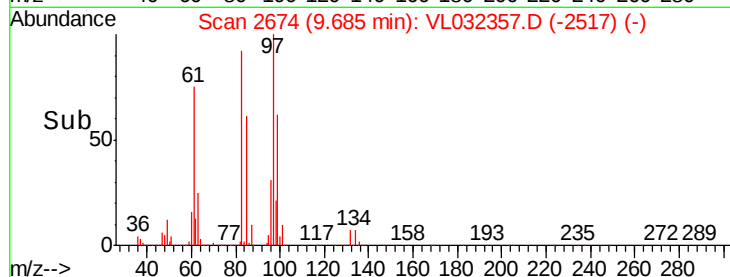
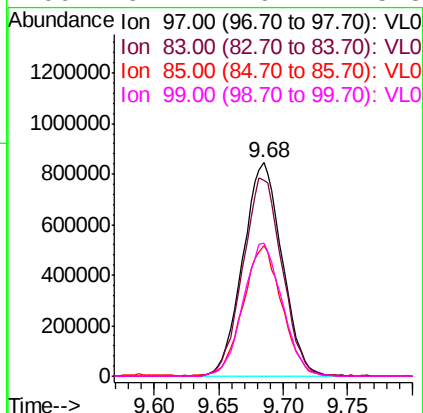
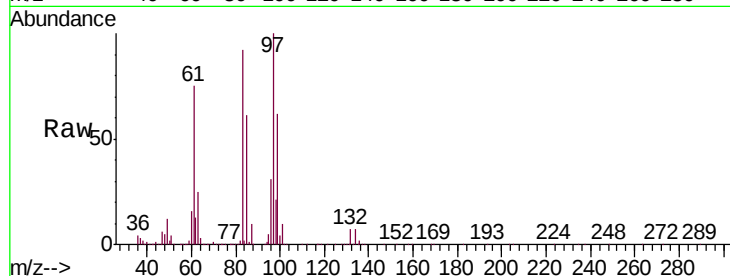


#47
 1,1,2-Trichloroethane
 Concen: 9.594 ppbv
 RT: 9.68 min Scan# 2674
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS01

Tgt Ion: 97 Resp: 1794717

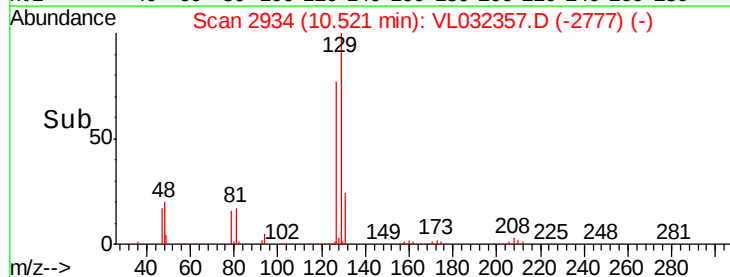
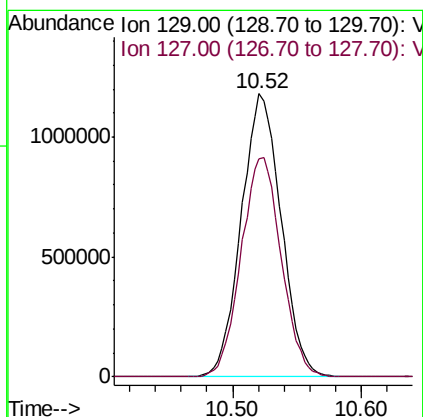
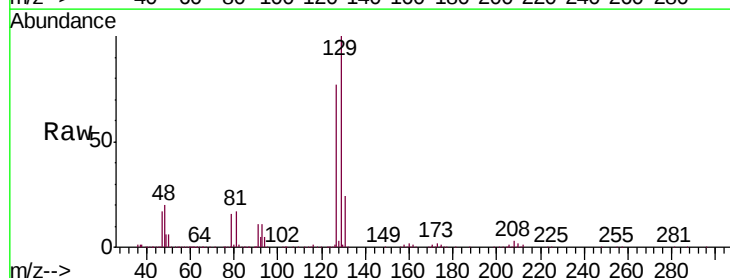
Ion	Ratio	Lower	Upper
97	100		
83	91.9	71.2	106.8
85	61.0	46.6	69.8
99	62.1	49.2	73.8

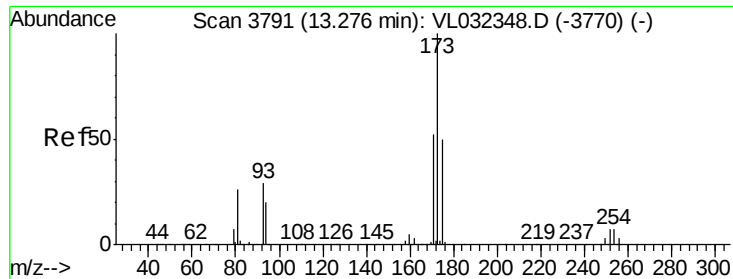


#48
 Dibromochloromethane
 Concen: 10.144 ppbv
 RT: 10.52 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

Tgt Ion: 129 Resp: 2536987

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.9





#49

Bromoform

Concen: 10.178 ppbv

RT: 13.27 min Scan# 3790

Delta R.T. -0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS01

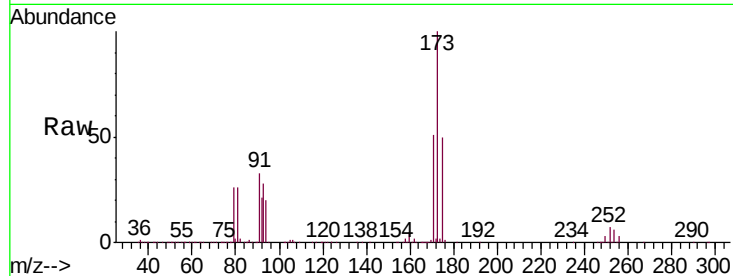
Tgt Ion:173 Resp: 2114309

Ion Ratio Lower Upper

173 100

175 48.8 39.3 58.9

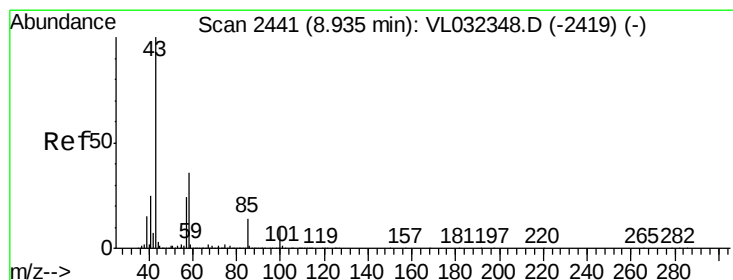
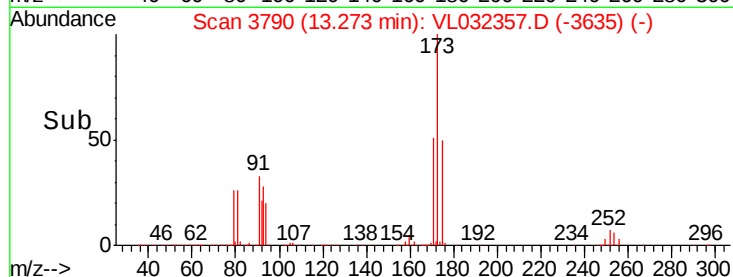
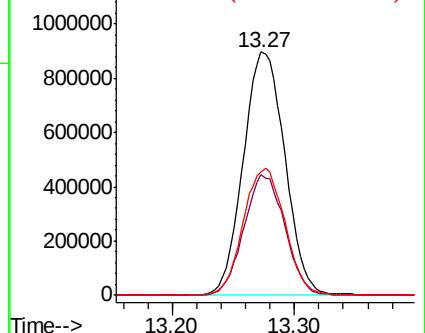
171 52.2 41.9 62.9



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: 10.285 ppbv

RT: 8.94 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL032357.D

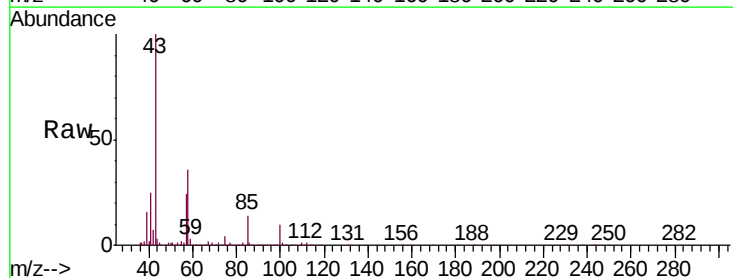
Acq: 15 Aug 2018 18:29

Tgt Ion: 43 Resp: 4851767

Ion Ratio Lower Upper

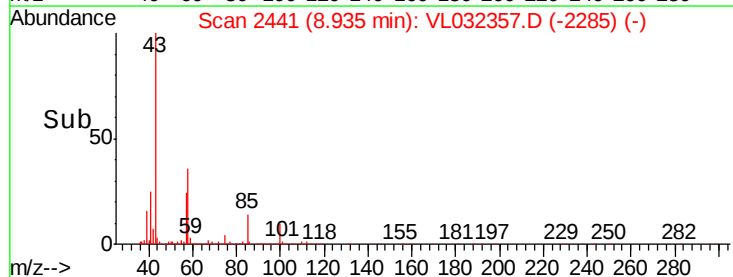
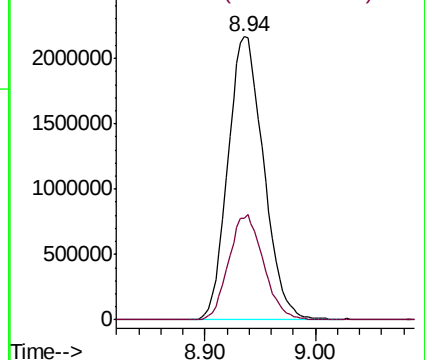
43 100

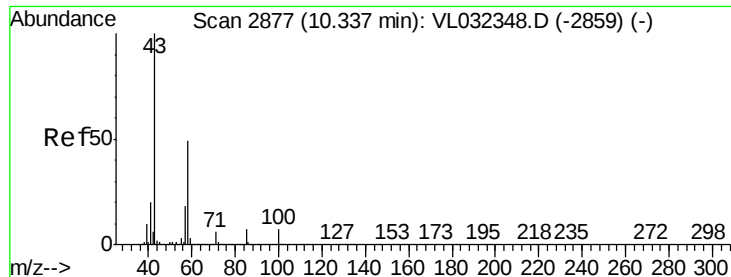
58 36.4 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

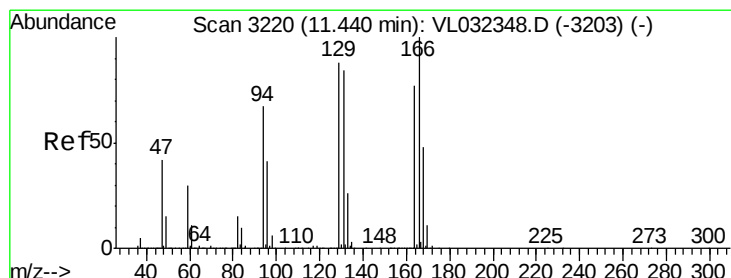
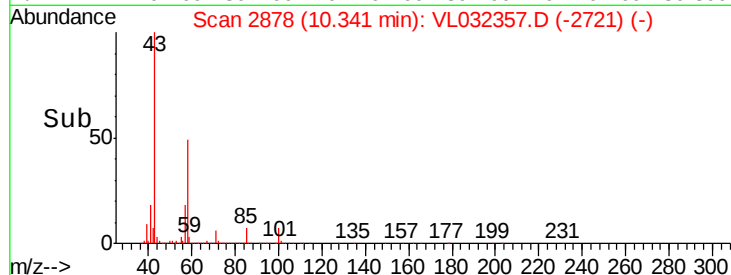
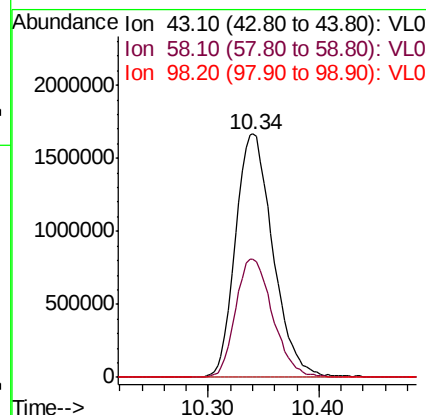
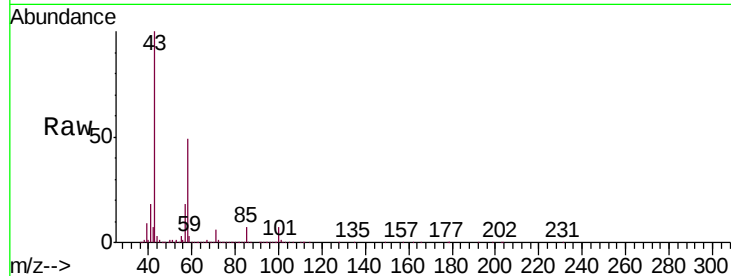




#51
2-Hexanone
Concen: 11.837 ppbv
RT: 10.34 min Scan# 2878
Delta R.T. 0.00 min
Lab File: VL032357.D
Acq: 15 Aug 2018 18:29

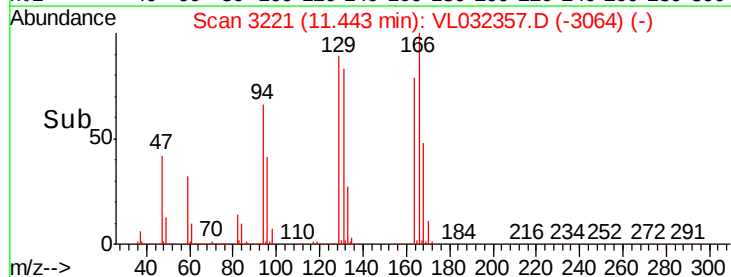
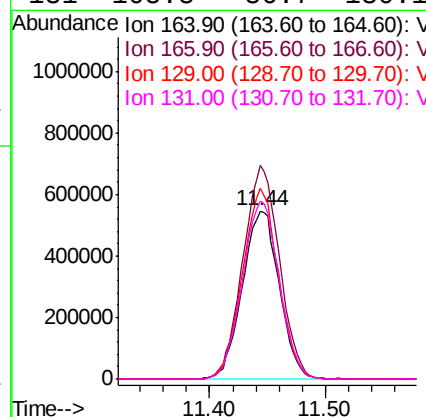
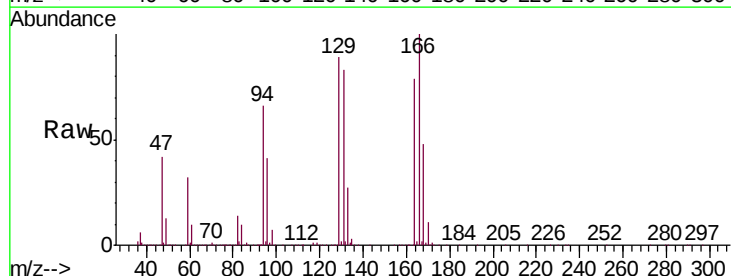
Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS01

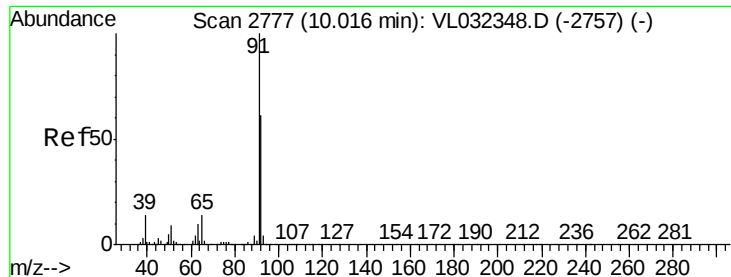
Tgt Ion: 43 Resp: 3921356
Ion Ratio Lower Upper
43 100
58 48.4 39.5 59.3
98 0.5 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.043 ppbv
RT: 11.44 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VL032357.D
Acq: 15 Aug 2018 18:29

Tgt Ion: 164 Resp: 1205238
Ion Ratio Lower Upper
164 100
166 127.2 103.5 155.3
129 113.3 90.9 136.3
131 105.8 86.7 130.1





#53

Toluene

Concen: 11.131 ppbv

RT: 10.01 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

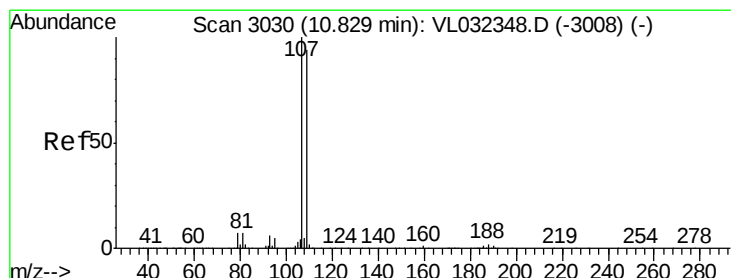
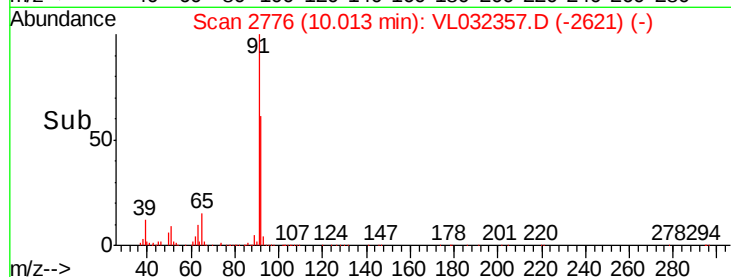
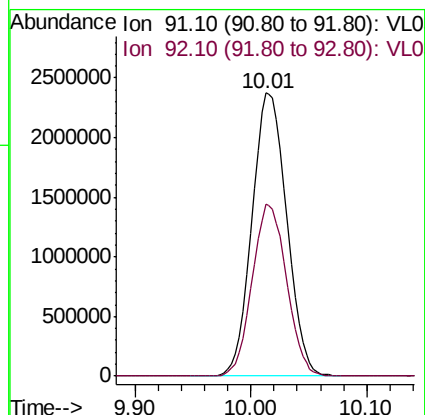
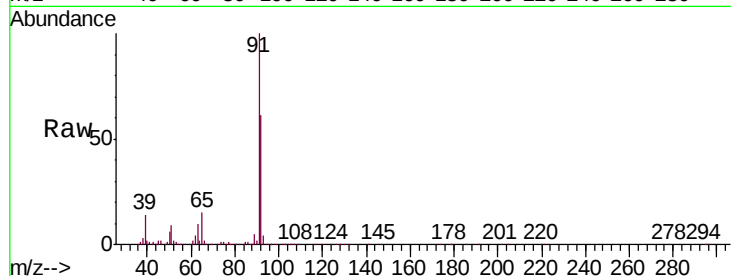
VL0815ABS01

Tgt Ion: 91 Resp: 4964722

Ion Ratio Lower Upper

91 100

92 60.3 48.7 73.1



#54

1,2-Dibromoethane

Concen: 10.042 ppbv

RT: 10.83 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VL032357.D

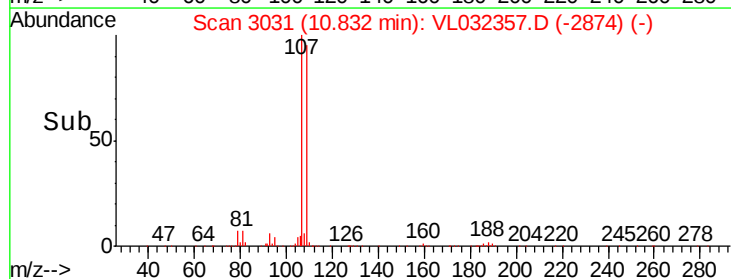
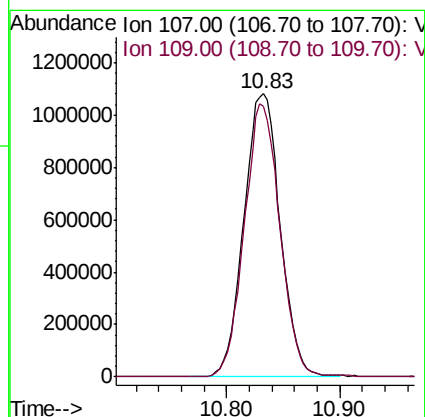
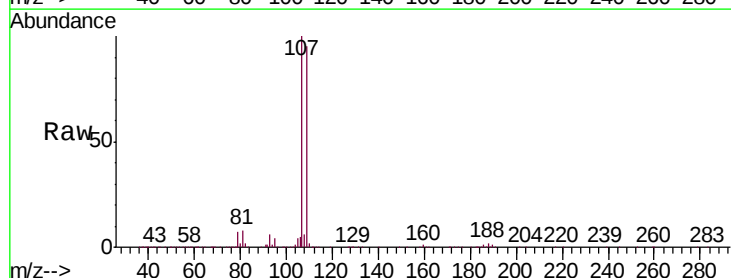
Acq: 15 Aug 2018 18:29

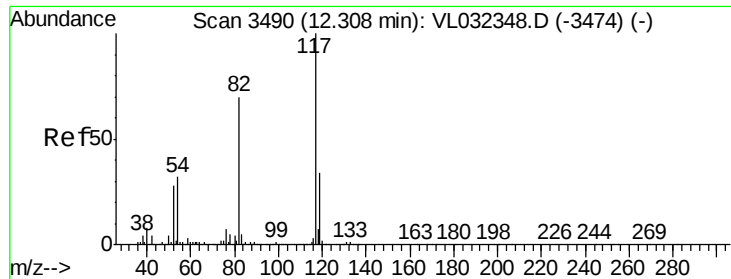
Tgt Ion: 107 Resp: 2412899

Ion Ratio Lower Upper

107 100

109 95.4 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.31 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS01

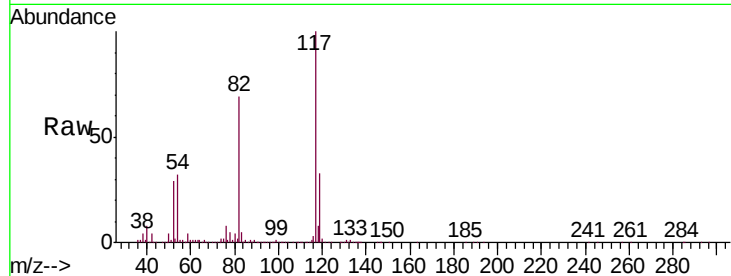
Tgt Ion:117 Resp: 5842693

Ion Ratio Lower Upper

117 100

82 55.7 55.1 82.7

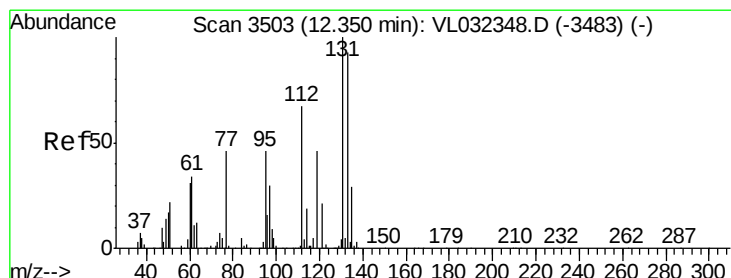
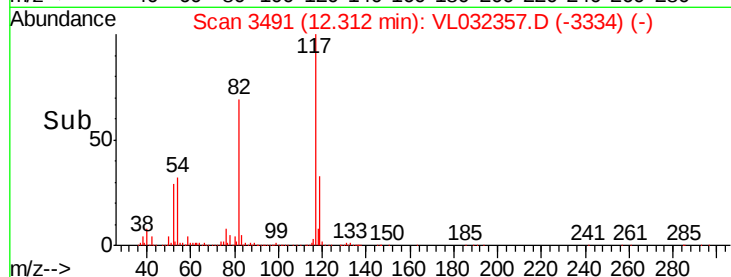
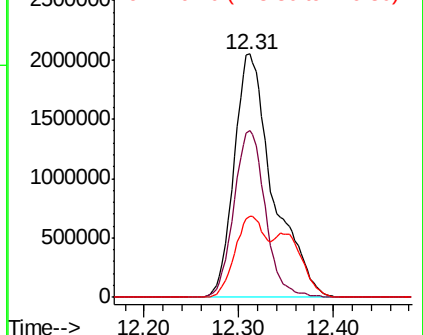
119 46.0 46.0 69.0



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.569 ppbv

RT: 12.35 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

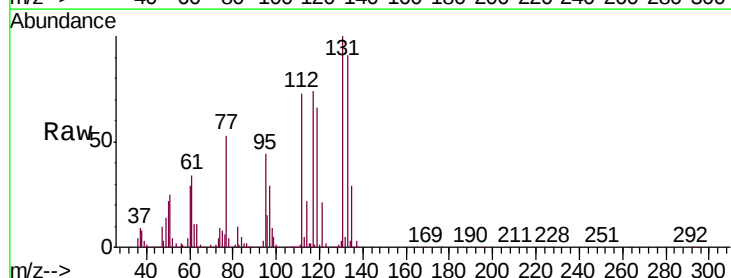
Tgt Ion:131 Resp: 1829455

Ion Ratio Lower Upper

131 100

133 94.5 75.7 113.5

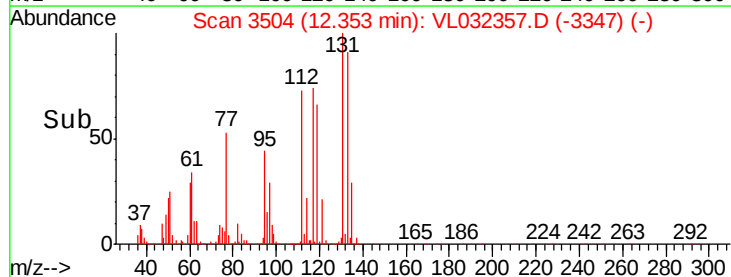
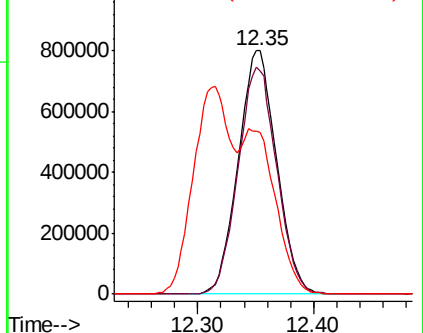
119 147.1 116.0 174.0

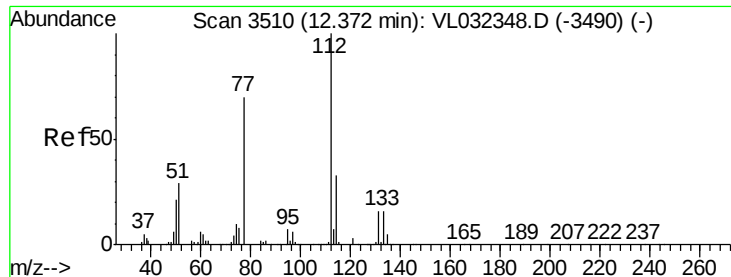


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.537 ppbv

RT: 12.37 min Scan# 3510

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS01

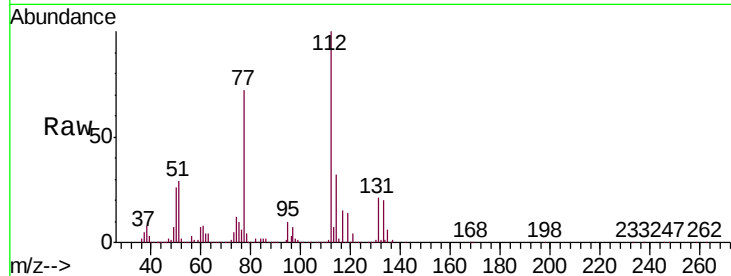
Tgt Ion: 112 Resp: 3314778

Ion Ratio Lower Upper

112 100

77 71.3 56.6 84.8

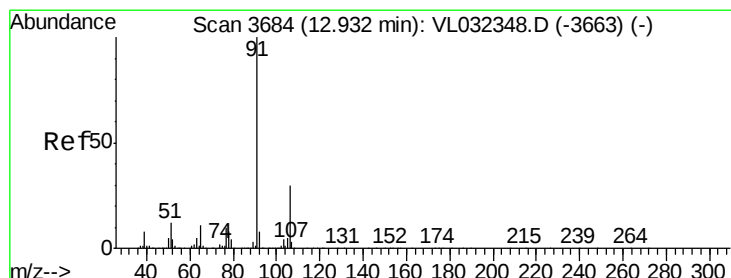
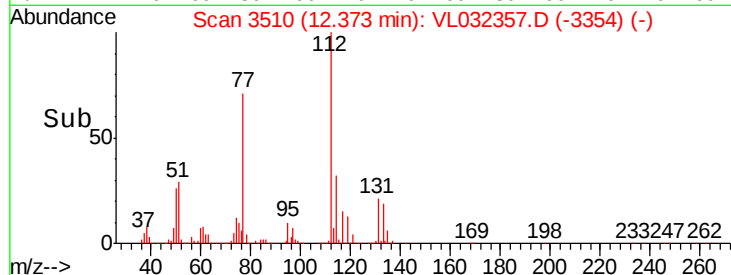
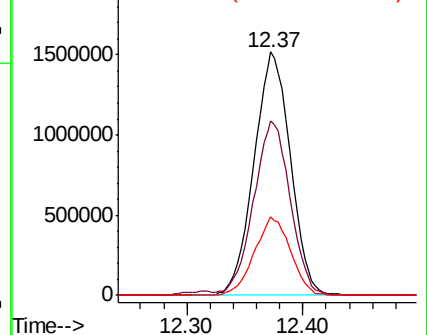
114 32.0 29.4 36.0



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: 8.525 ppbv

RT: 12.94 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VL032357.D

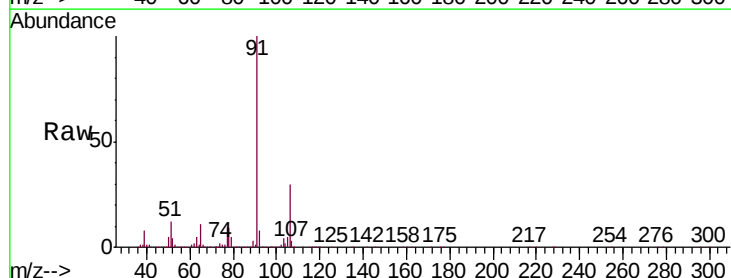
Acq: 15 Aug 2018 18:29

Tgt Ion: 91 Resp: 5992776

Ion Ratio Lower Upper

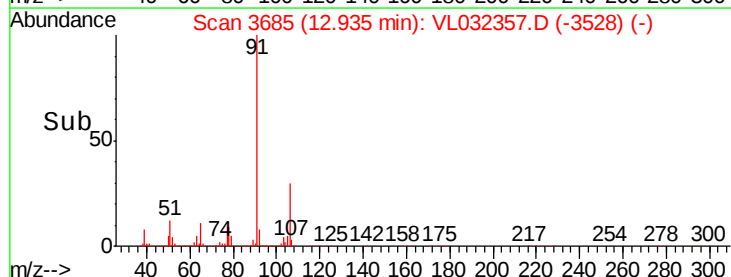
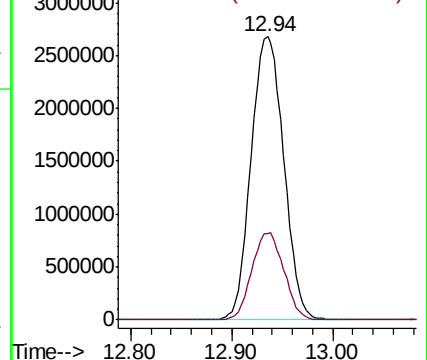
91 100

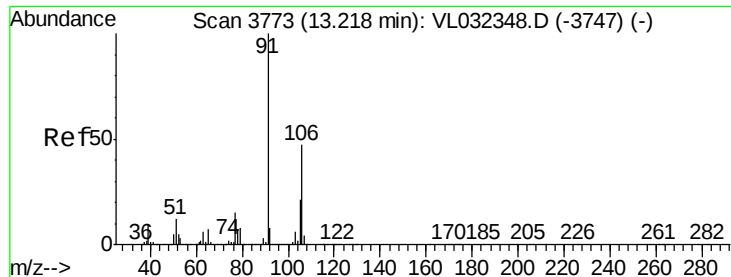
106 30.3 24.3 36.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

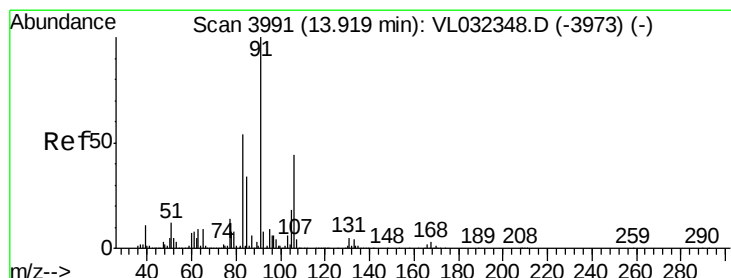
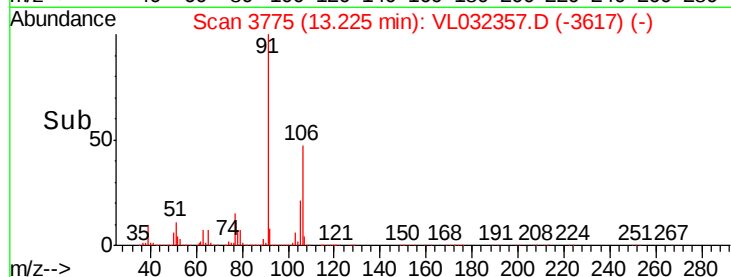
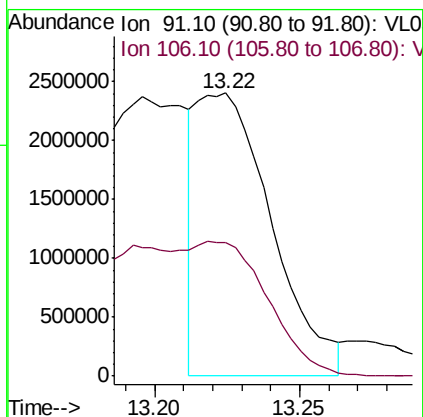
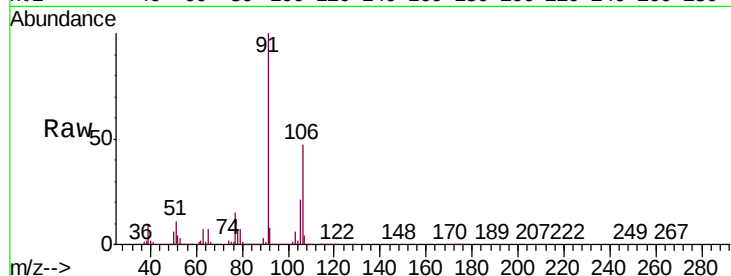




#59
m/p-Xylene
Concen: 7.165 ppbv
RT: 13.22 min Scan# 3775
Delta R.T. 0.01 min
Lab File: VL032357.D
Acq: 15 Aug 2018 18:29

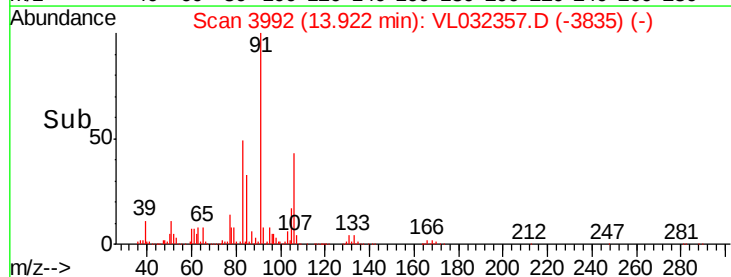
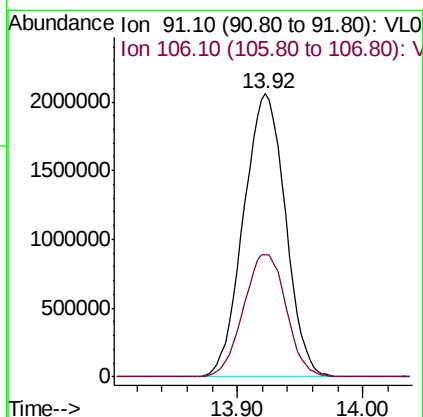
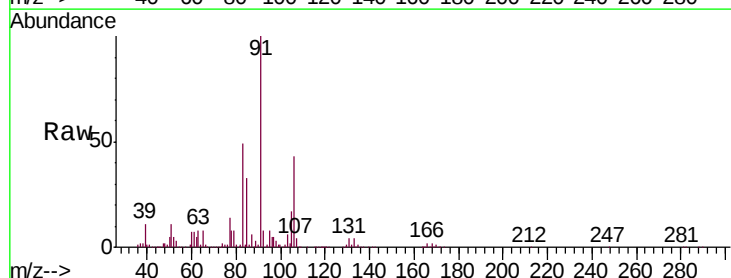
Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS01

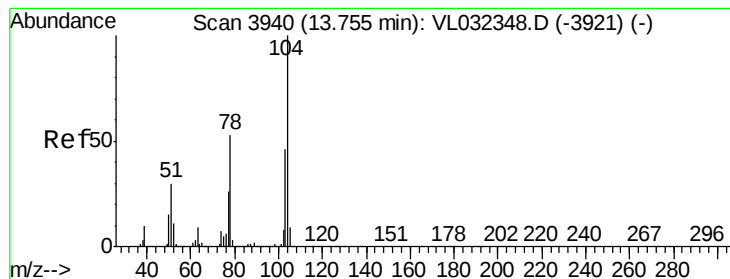
Tgt Ion: 91 Resp: 4278730
Ion Ratio Lower Upper
91 100
106 105.6 37.0 55.4#



#60
o-Xylene
Concen: 8.150 ppbv
RT: 13.92 min Scan# 3992
Delta R.T. 0.00 min
Lab File: VL032357.D
Acq: 15 Aug 2018 18:29

Tgt Ion: 91 Resp: 4783603
Ion Ratio Lower Upper
91 100
106 44.2 22.3 66.8





#61

Styrene

Concen: 9.143 ppbv

RT: 13.76 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS01

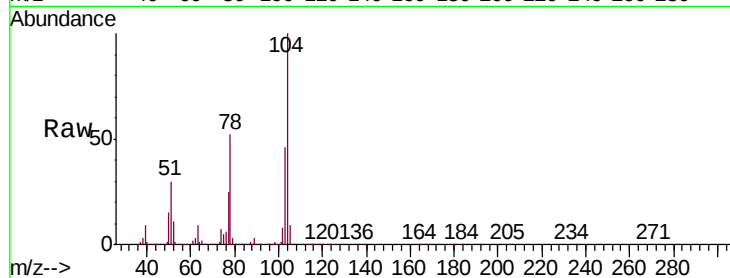
Tgt Ion:104 Resp: 3750277

Ion Ratio Lower Upper

104 100

78 52.4 42.6 64.0

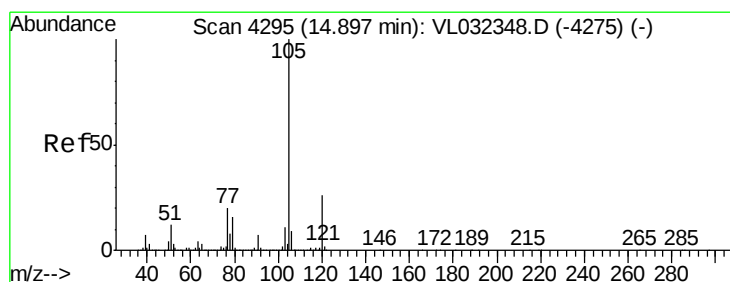
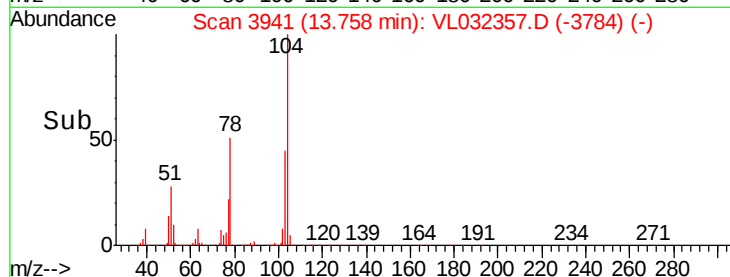
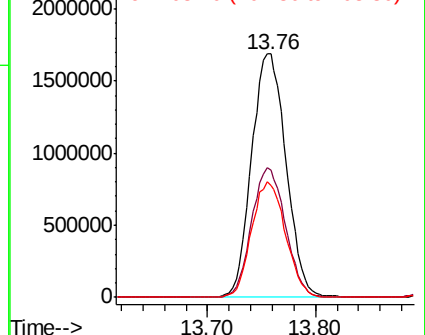
103 46.9 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.021 ppbv

RT: 14.90 min Scan# 4296

Delta R.T. 0.00 min

Lab File: VL032357.D

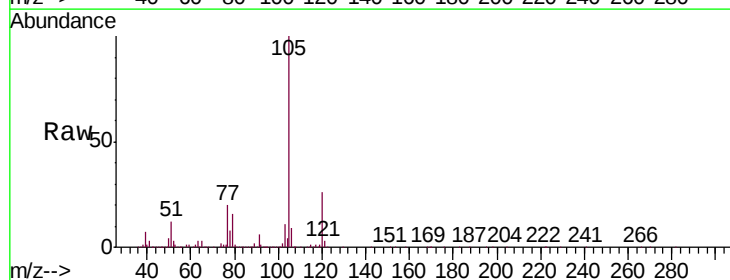
Acq: 15 Aug 2018 18:29

Tgt Ion:105 Resp: 6700951

Ion Ratio Lower Upper

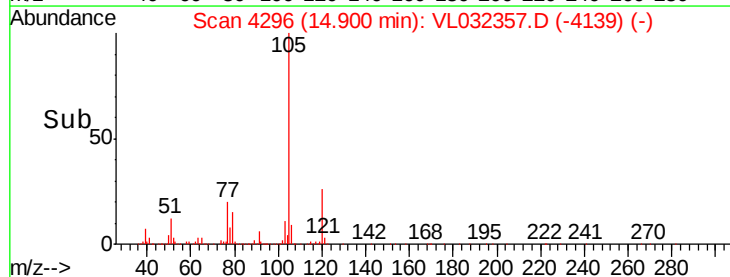
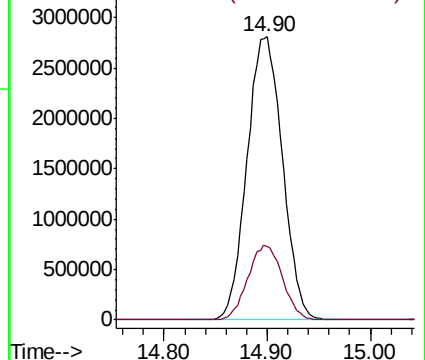
105 100

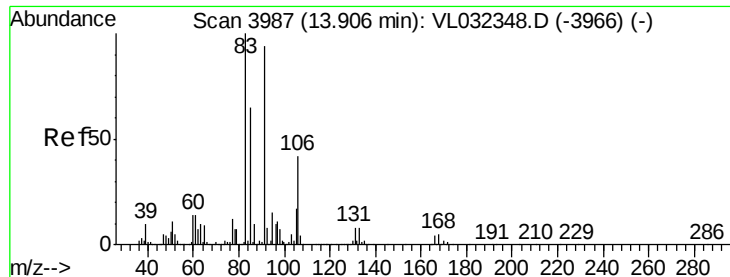
120 25.8 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

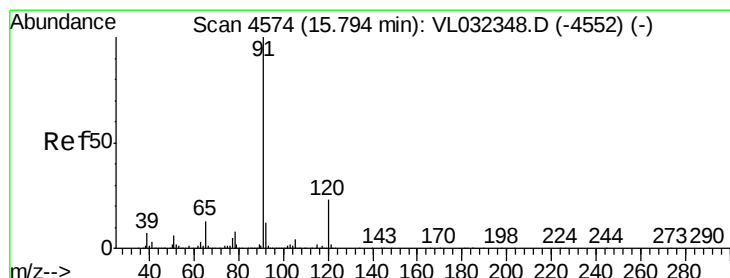
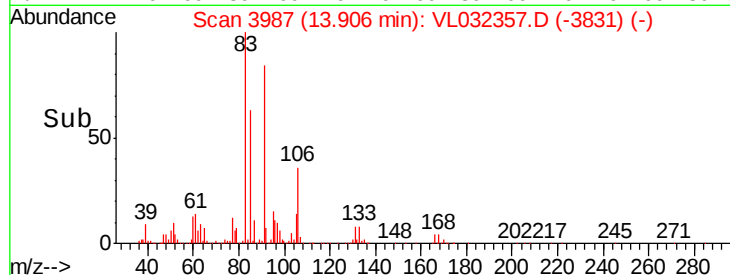
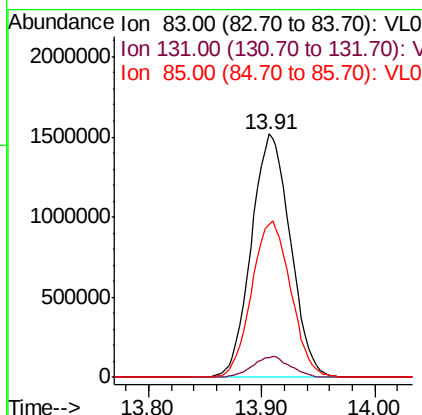
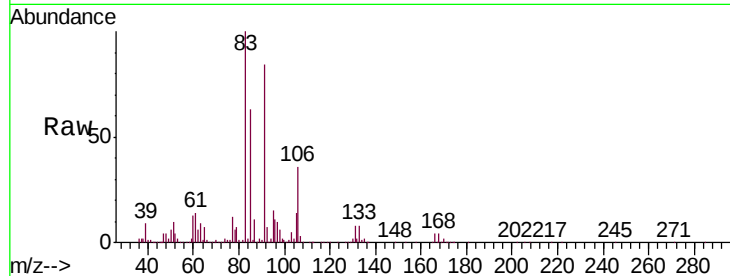




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.364 ppbv
 RT: 13.91 min Scan# 3987
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

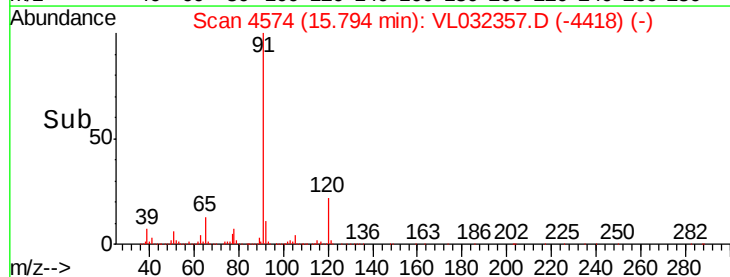
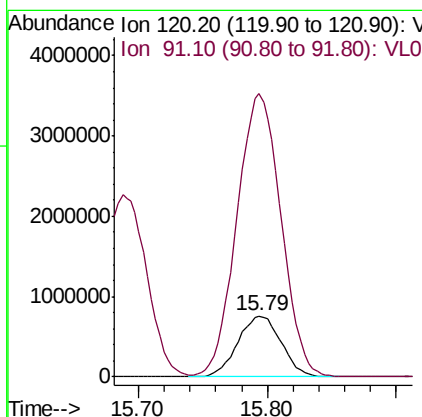
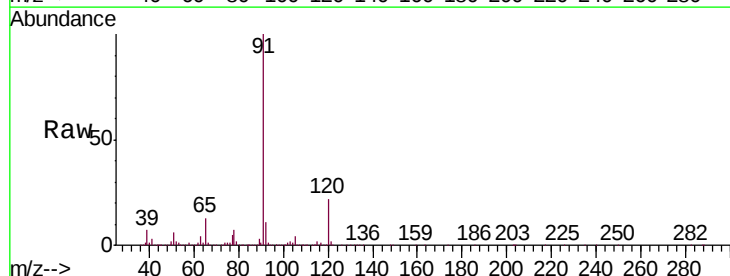
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS01

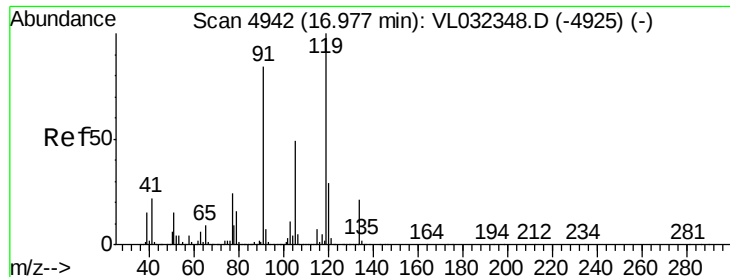
Tgt Ion: 83 Resp: 3634191
 Ion Ratio Lower Upper
 83 100
 131 8.4 4.3 12.8
 85 64.6 32.4 97.2



#64
 n-propylbenzene
 Concen: 8.207 ppbv
 RT: 15.79 min Scan# 4574
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

Tgt Ion: 120 Resp: 1774673
 Ion Ratio Lower Upper
 120 100
 91 474.8 382.2 573.2

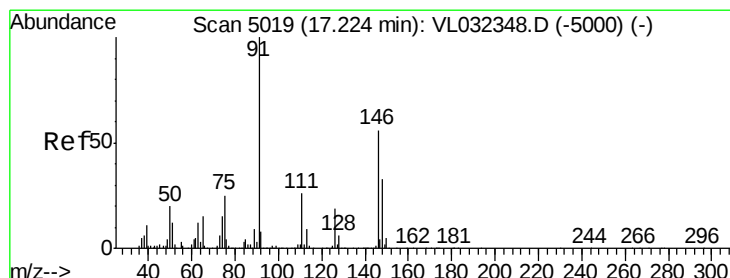
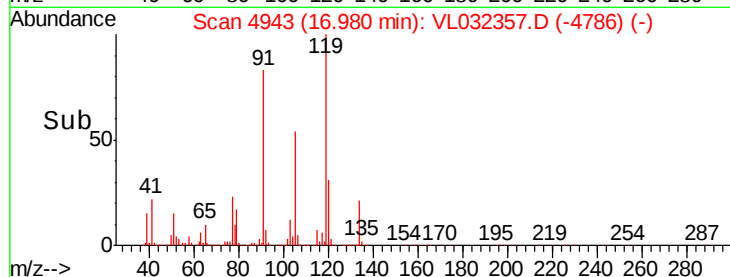
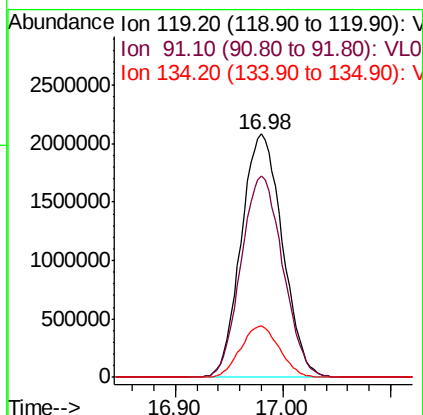
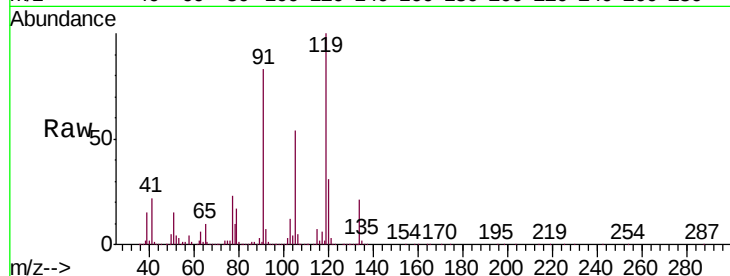




#65
tert-Butylbenzene
Concen: 7.758 ppbv
RT: 16.98 min Scan# 4943
Delta R.T. 0.00 min
Lab File: VL032357.D
Acq: 15 Aug 2018 18:29

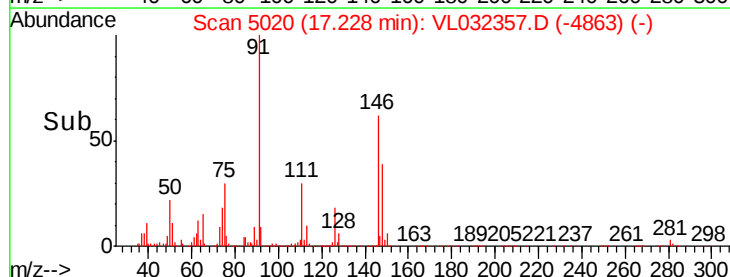
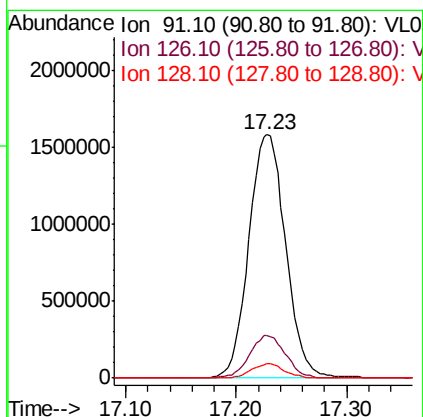
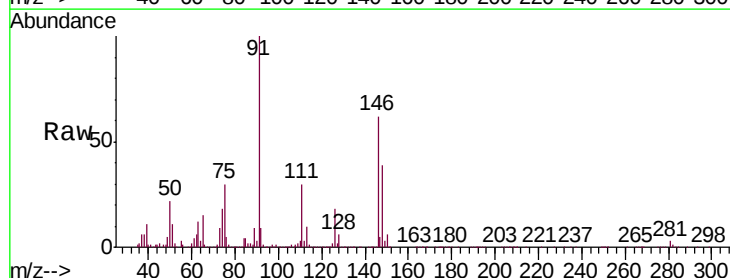
Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS01

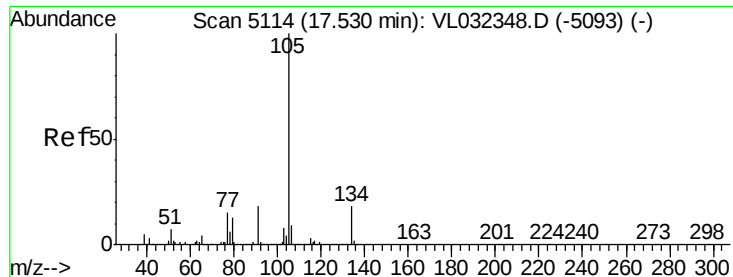
Tgt Ion: 119 Resp: 5536485
Ion Ratio Lower Upper
119 100
91 83.9 67.4 101.0
134 19.9 15.8 23.6



#66
Benzyl Chloride
Concen: 8.646 ppbv
RT: 17.23 min Scan# 5020
Delta R.T. 0.00 min
Lab File: VL032357.D
Acq: 15 Aug 2018 18:29

Tgt Ion: 91 Resp: 3653375
Ion Ratio Lower Upper
91 100
126 17.4 14.2 21.4
128 5.5 4.5 6.7

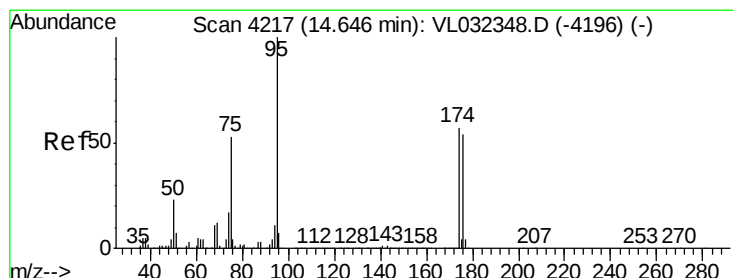
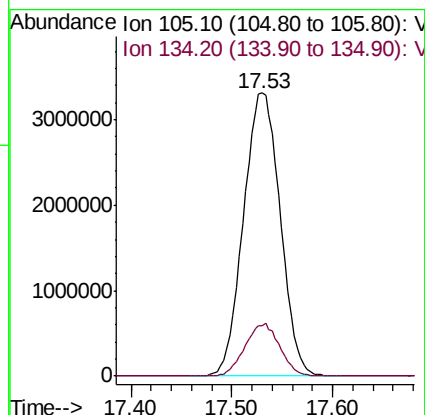
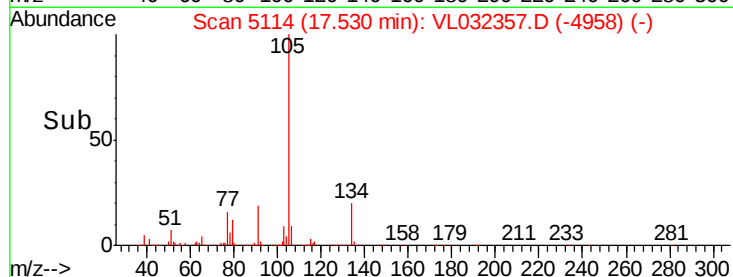
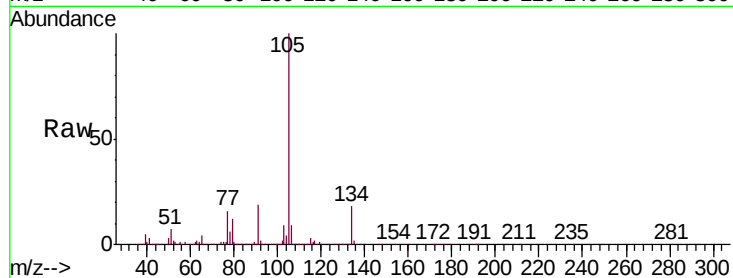




#67
 sec-Butylbenzene
 Concen: 7.859 ppbv
 RT: 17.53 min Scan# 5114
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

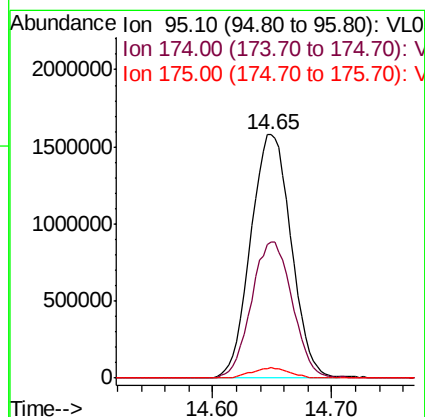
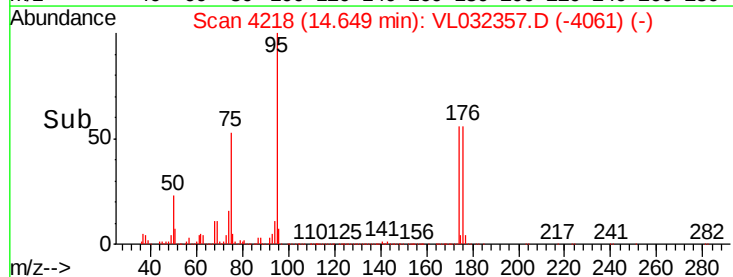
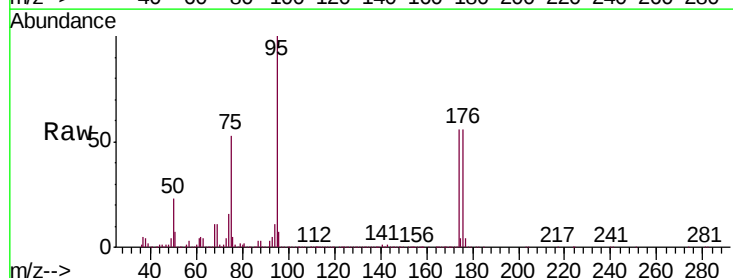
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS01

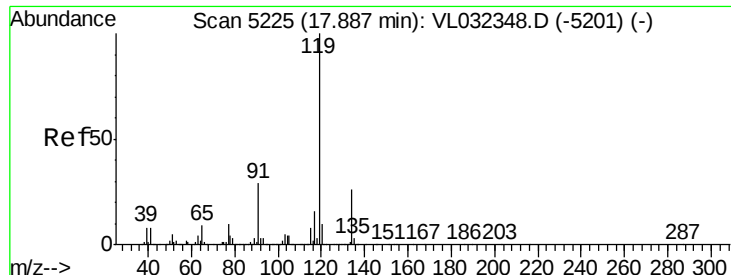
Tgt Ion: 105 Resp: 8340319
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.342 ppbv
 RT: 14.65 min Scan# 4218
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

Tgt Ion: 95 Resp: 3718364
 Ion Ratio Lower Upper
 95 100
 174 57.0 46.2 69.4
 175 4.1 3.4 5.0





#69

p-Isopropyltoluene

Concen: 8.236 ppbv

RT: 17.89 min Scan# 5225

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS01

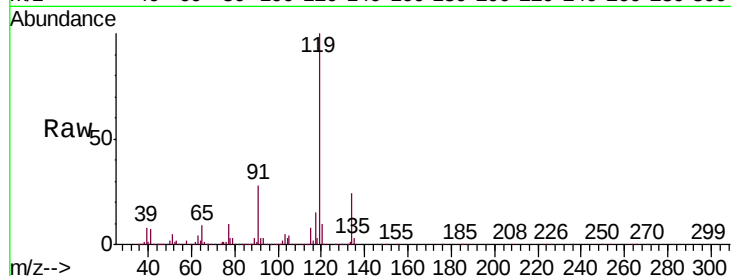
Tgt Ion:119 Resp: 6689693

Ion Ratio Lower Upper

119 100

134 25.3 20.4 30.6

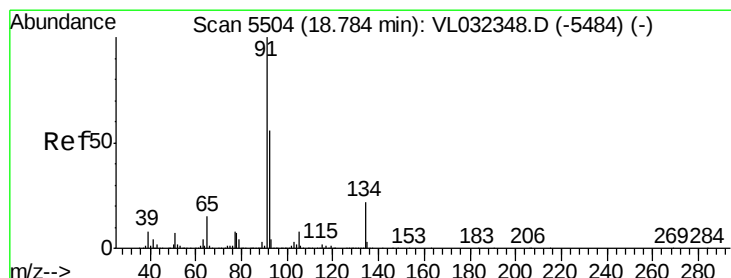
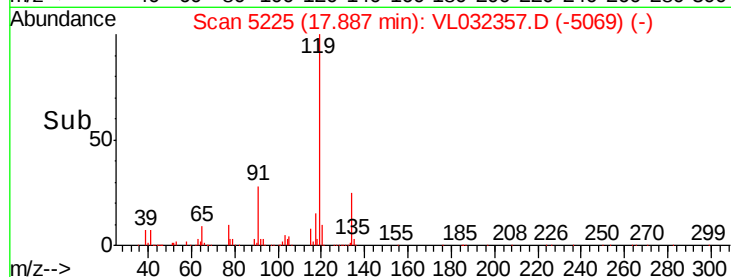
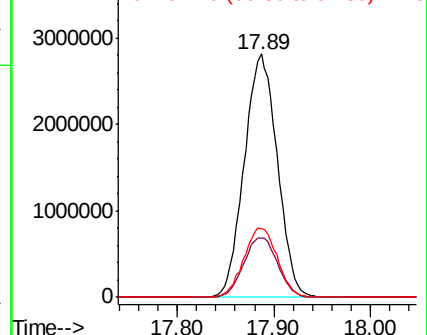
91 28.9 23.6 35.4



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 8.329 ppbv

RT: 18.78 min Scan# 5504

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

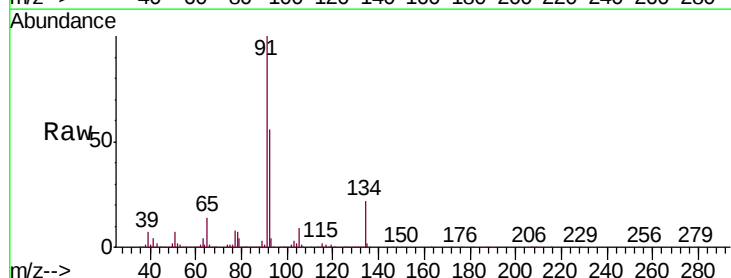
Tgt Ion: 91 Resp: 7416567

Ion Ratio Lower Upper

91 100

92 54.7 43.9 65.9

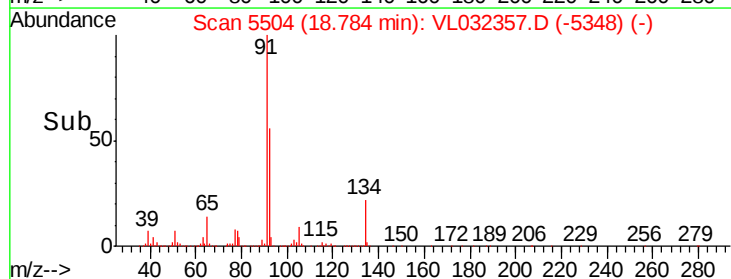
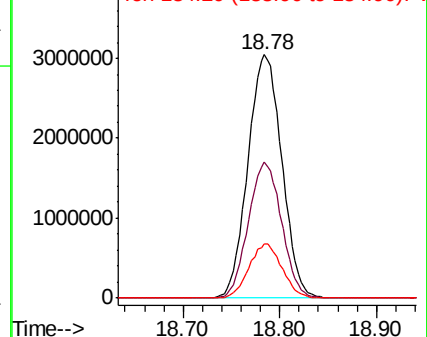
134 21.6 17.3 25.9

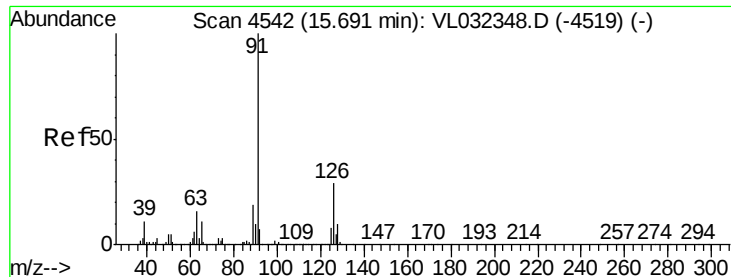


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.238 ppbv

RT: 15.69 min Scan# 4541

Delta R.T. -0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

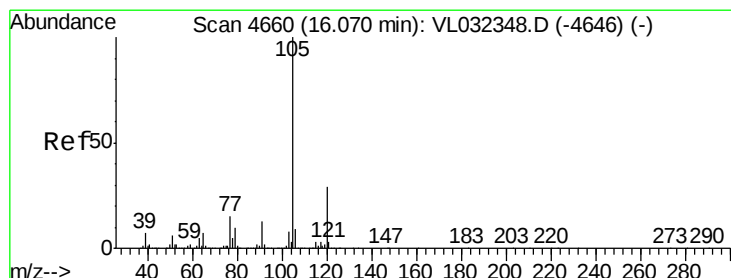
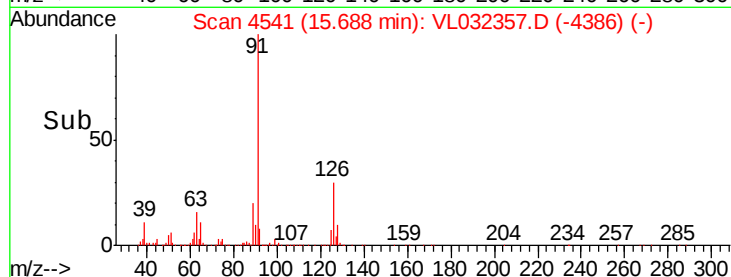
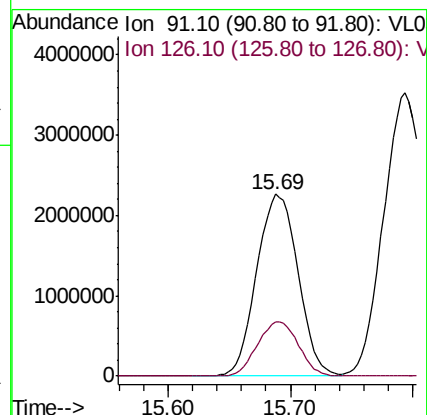
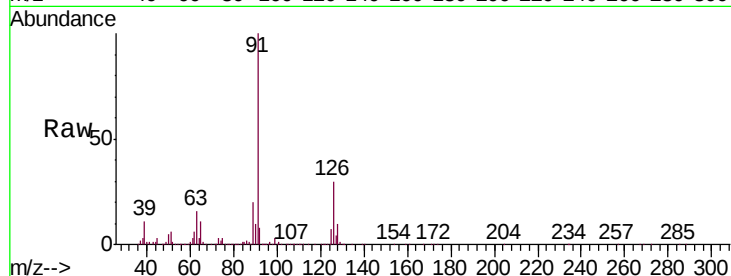
VL0815ABS01

Tgt Ion: 91 Resp: 5326548

Ion Ratio Lower Upper

91 100

126 29.7 11.8 47.2



#72

4-Ethyltoluene

Concen: 8.524 ppbv

RT: 16.07 min Scan# 4661

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Tgt Ion: 105 Resp: 5579881

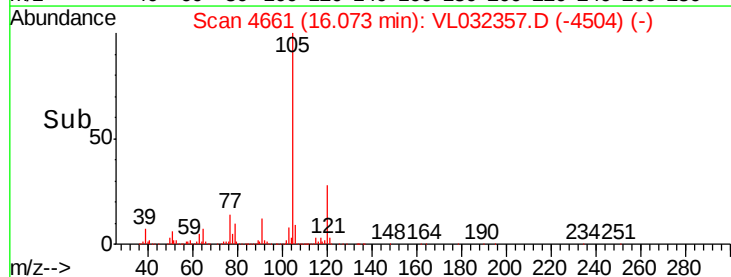
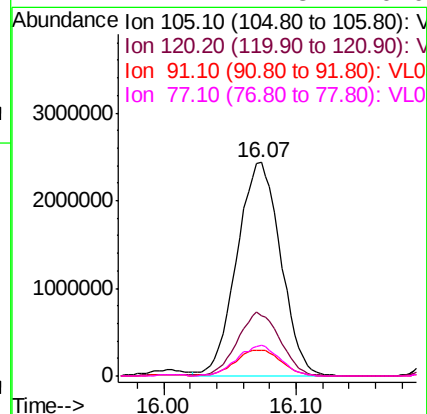
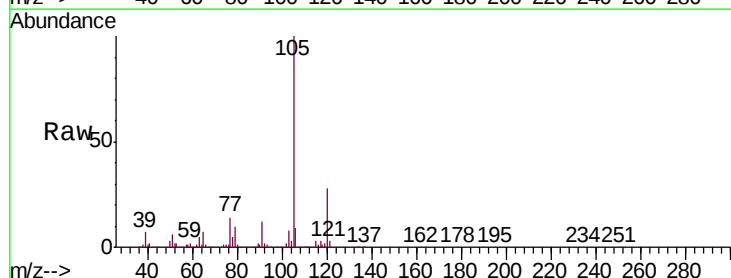
Ion Ratio Lower Upper

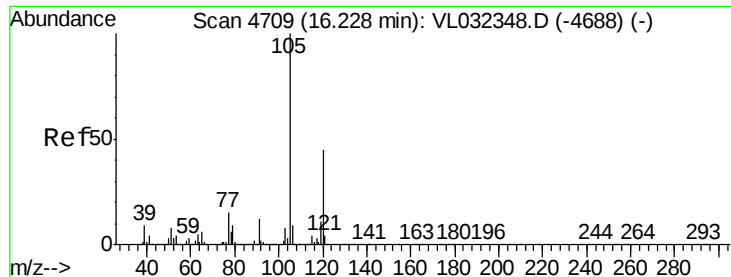
105 100

120 30.0 23.4 35.0

91 12.6 10.0 15.0

77 14.1 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 8.333 ppbv

RT: 16.23 min Scan# 4710

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

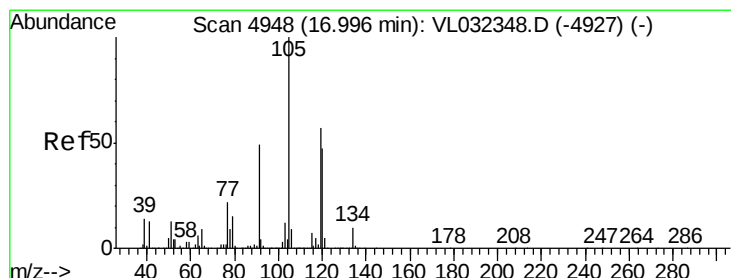
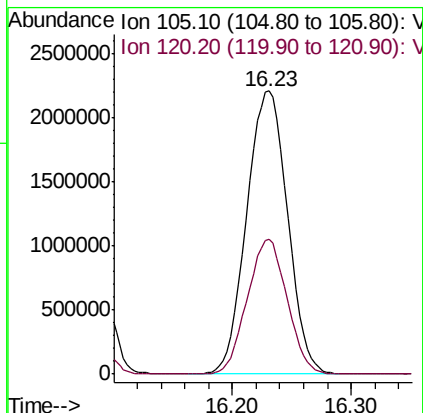
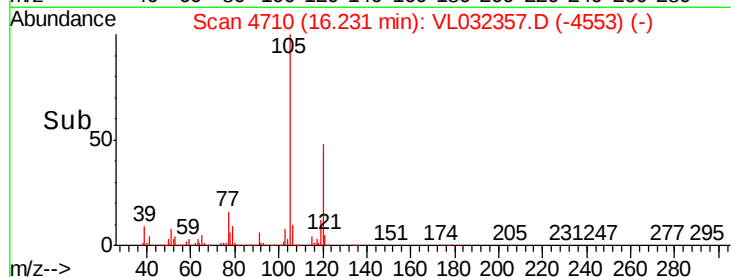
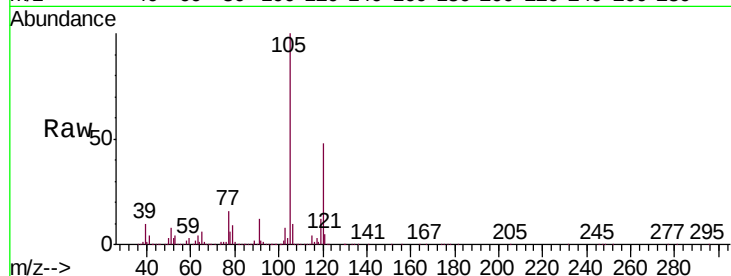
VL0815ABS01

Tgt Ion:105 Resp: 5246727

Ion Ratio Lower Upper

105 100

120 47.9 36.3 54.5



#74

1,2,4-Trimethylbenzene

Concen: 7.840 ppbv

RT: 17.00 min Scan# 4950

Delta R.T. 0.01 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Tgt Ion:105 Resp: 5252437

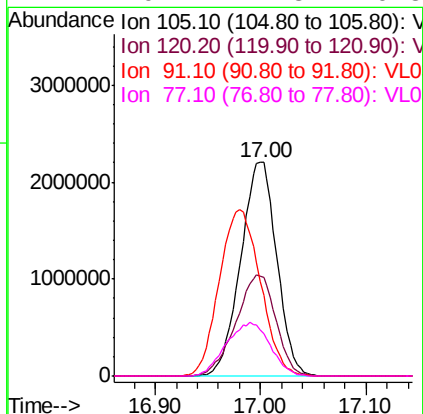
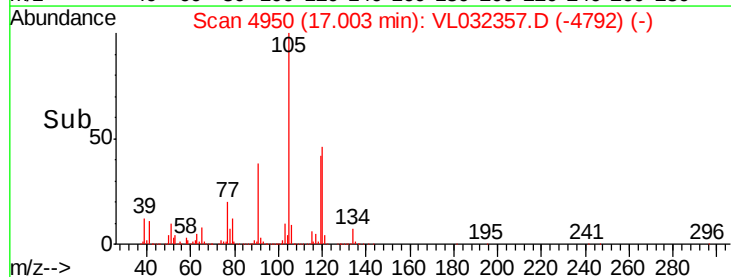
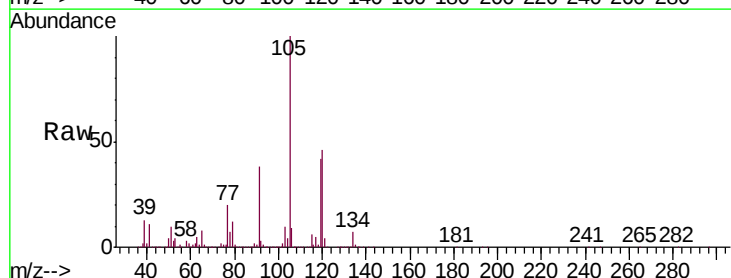
Ion Ratio Lower Upper

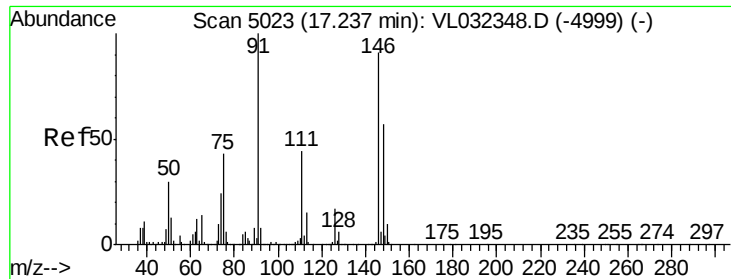
105 100

120 46.1 37.6 56.4

91 37.5 39.9 59.9#

77 19.7 17.8 26.8





#75

1,3-Dichlorobenzene

Concen: 7.341 ppbv

RT: 17.24 min Scan# 5023

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS01

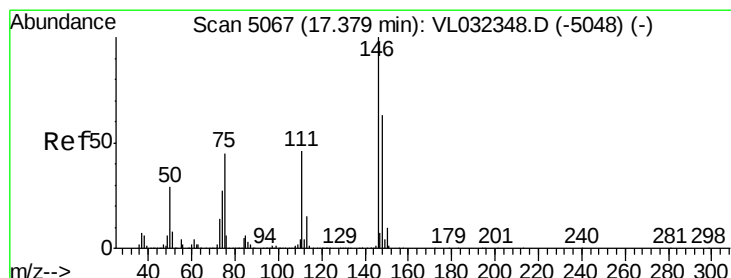
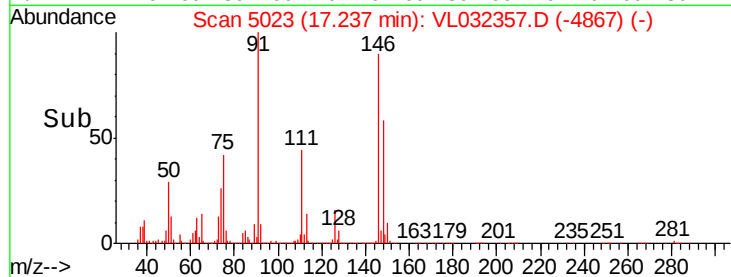
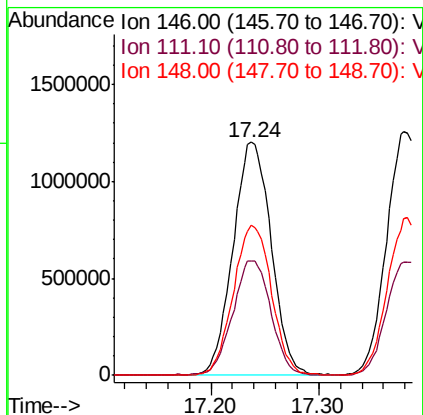
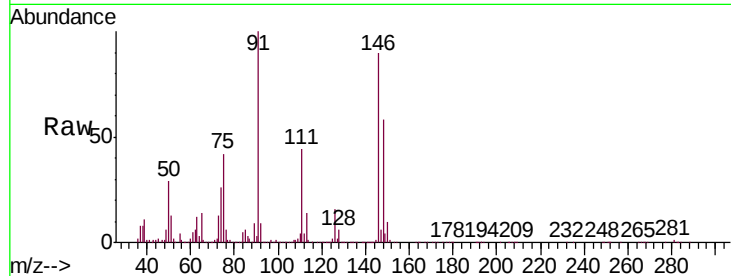
Tgt Ion:146 Resp: 2955577

Ion Ratio Lower Upper

146 100

111 49.6 24.6 73.8

148 64.7 32.0 96.0



#76

1,4-Dichlorobenzene

Concen: 7.873 ppbv

RT: 17.38 min Scan# 5067

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

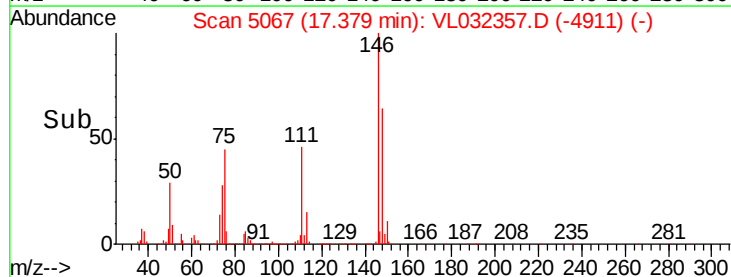
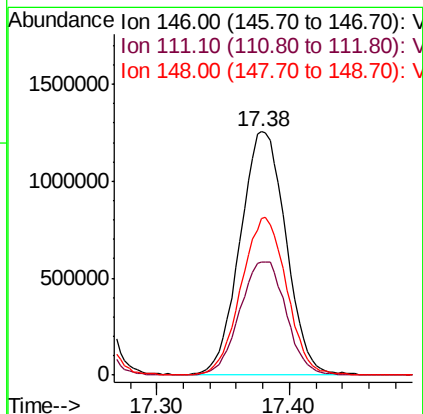
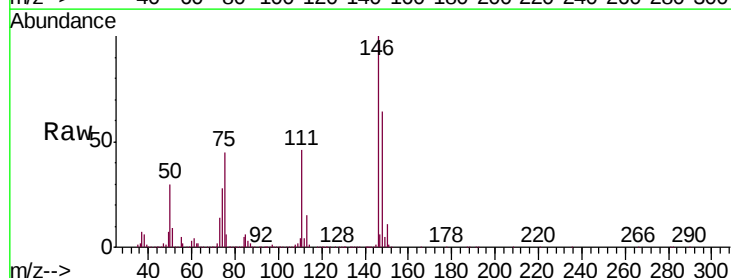
Tgt Ion:146 Resp: 3002669

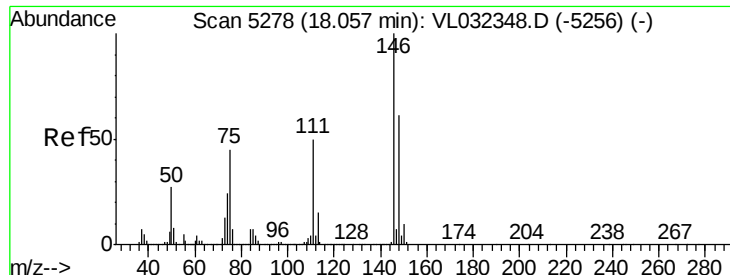
Ion Ratio Lower Upper

146 100

111 47.1 23.8 71.4

148 64.5 32.2 96.6





#77

1,2-Dichlorobenzene

Concen: 7.700 ppbv

RT: 18.06 min Scan# 5279

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS01

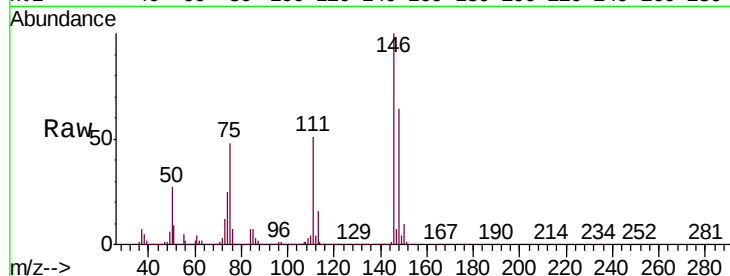
Tgt Ion:146 Resp: 2962126

Ion Ratio Lower Upper

146 100

111 50.4 25.2 75.6

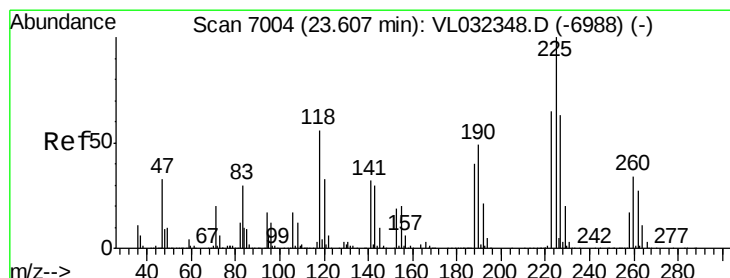
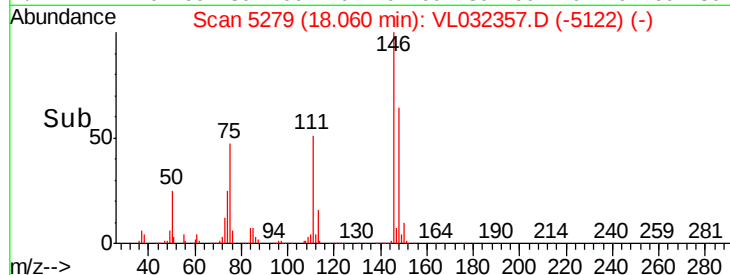
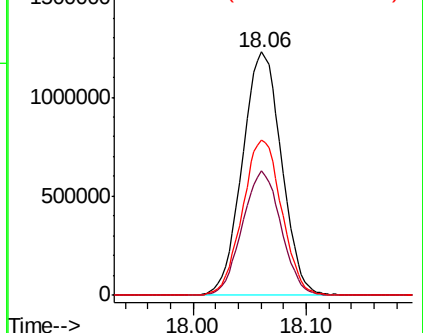
148 64.2 31.8 95.4



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: 7.047 ppbv

RT: 23.61 min Scan# 7004

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

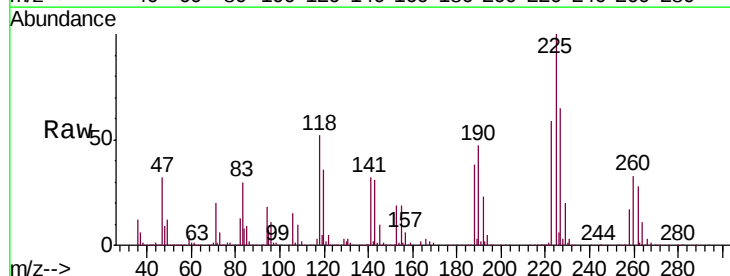
Tgt Ion:225 Resp: 909985

Ion Ratio Lower Upper

225 100

223 63.0 50.6 76.0

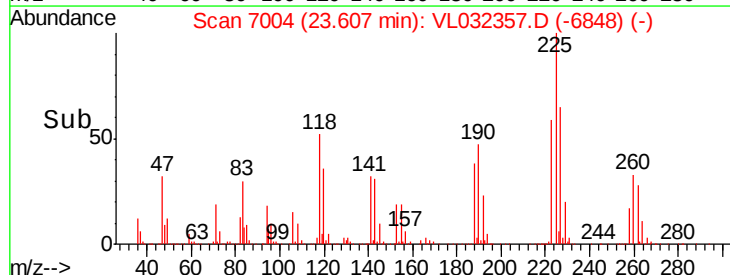
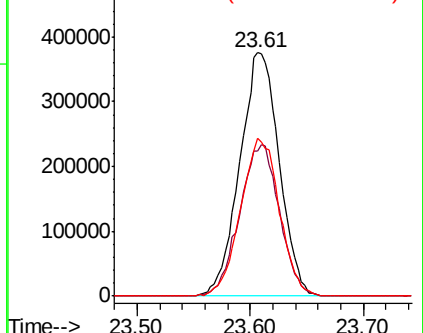
227 64.1 51.0 76.6

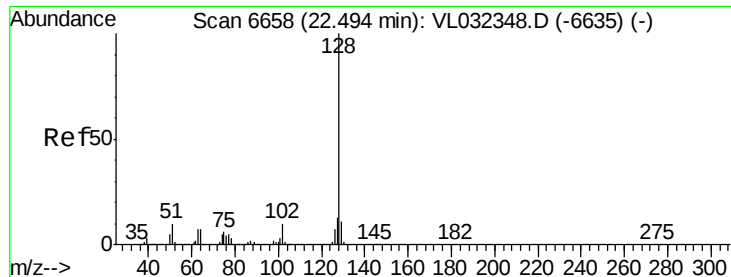


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.980 ppbv

RT: 22.49 min Scan# 6658

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS01

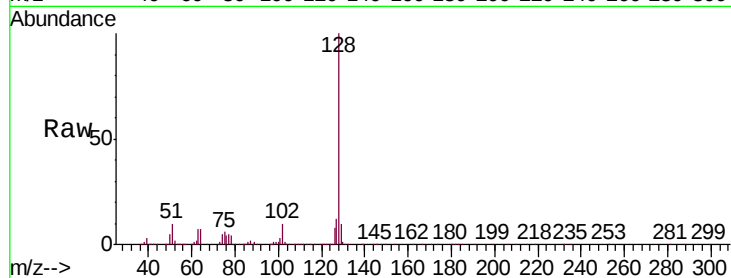
Tgt Ion:128 Resp: 4957596

Ion Ratio Lower Upper

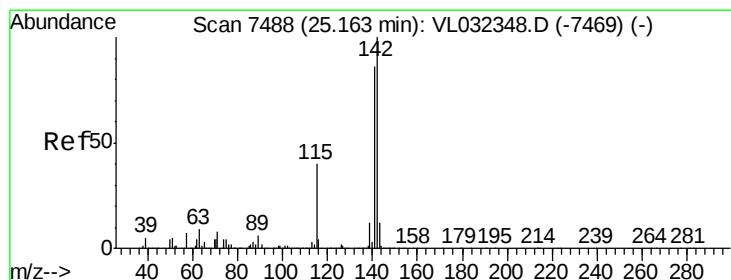
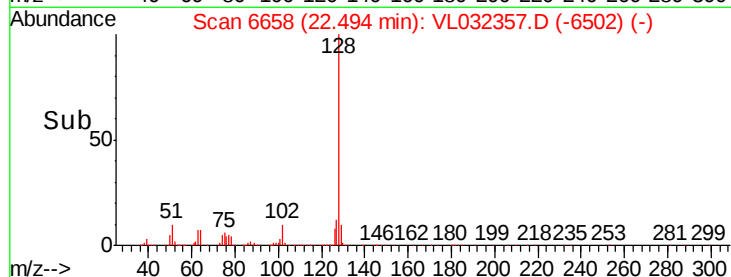
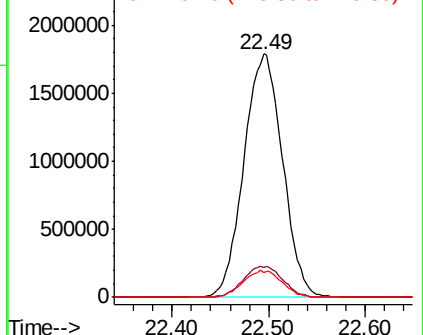
128 100

127 12.3 10.3 15.5

129 10.4 8.6 13.0



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: 15.428 ppbv

RT: 25.17 min Scan# 7489

Delta R.T. 0.00 min

Lab File: VL032357.D

Acq: 15 Aug 2018 18:29

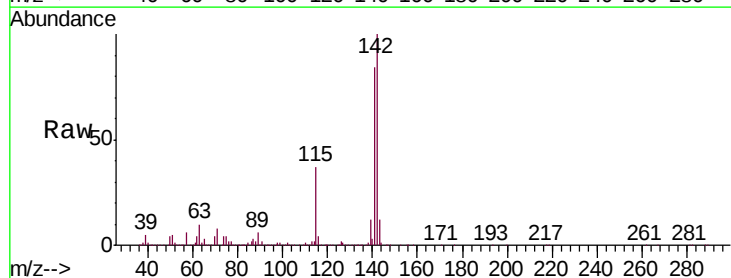
Tgt Ion:142 Resp: 2062216

Ion Ratio Lower Upper

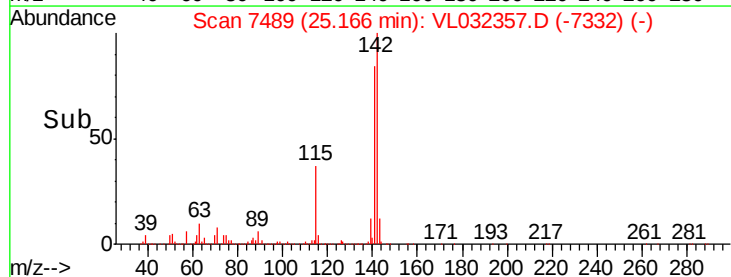
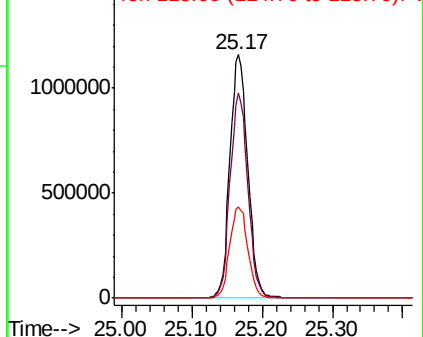
142 100

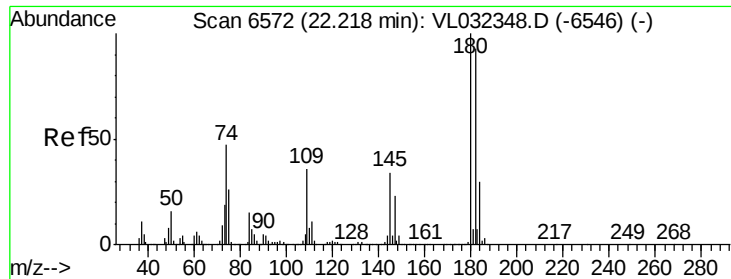
141 83.8 66.7 100.1

115 38.1 31.0 46.6



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: 9.149 ppbv
 RT: 22.22 min Scan# 6572
 Delta R.T. 0.00 min
 Lab File: VL032357.D
 Acq: 15 Aug 2018 18:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS01

Tgt Ion:180 Resp: 2370436
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.1 114.1
 184 30.4 24.2 36.2

