

Data File : VL032772.D
Acq On : 14 Nov 2018 23:40
Operator : SY/AP
Sample : VL1114ABS04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS04

Quant Time: Nov 15 05:01:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1595579	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	4048602	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4100684	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2880182	9.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1968547	8.583	ppbv	99
3) Chlorodifluoromethane	3.02	51	1150025	9.091	ppbv	98
4) Chloromethane	3.17	50	639945	9.123	ppbv	97
5) Vinyl Chloride	3.30	62	652632	8.781	ppbv	99
6) Bromomethane	3.52	94	419131	9.218	ppbv	96
7) Chloroethane	3.61	64	247211	9.228	ppbv	100
8) Dichlorotetrafluoroethane	3.23	85	1555777	8.608	ppbv	98
9) Propene	3.04	41	506761	10.011	ppbv	100
10) Heptane	8.26	43	1963937	10.162	ppbv	99
11) Trichlorofluoromethane	4.01	101	2580700	11.940	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1491447	8.448	ppbv	99
13) Ethanol	3.65	45	119018	7.178	ppbv	98
14) Bromoethene	3.80	108	541905	9.252	ppbv	100
15) Acetone	3.91	43	1126649	7.732	ppbv	99
16) 1,3-Butadiene	3.37	39	558106	9.890	ppbv	95
17) tert-Butyl alcohol	4.36	59	476991	10.437	ppbv	100
18) 1,1-Dichloroethene	4.36	96	822439	9.473	ppbv	95
19) Isopropyl Alcohol	4.03	45	1270749	13.091	ppbv	99
20) Methylene Chloride	4.42	84	660691	8.758	ppbv	97
21) Allyl Chloride	4.48	41	1322736	10.802	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	765794	9.033	ppbv	99
23) Vinyl Acetate	5.16	43	2680851	10.093	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1960784	9.285	ppbv	99
25) Ethyl Acetate	5.78	43	3213357	9.462	ppbv	99
26) Hexane	5.79	57	1472916	9.743	ppbv	99
27) Carbon Disulfide	4.62	76	1975496	10.305	ppbv	100
28) Methyl tert-Butyl Ether	5.12	73	2445810	10.145	ppbv	99
29) Chloroform	5.86	83	2427706	9.010	ppbv	96
30) Cyclohexane	7.26	84	1339390	10.130	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	1517625	9.985	ppbv	100
32) 1,1,1-Trichloroethane	6.63	97	2592218	8.777	ppbv	99
34) 2-Butanone	5.34	43	2065411	9.836	ppbv	99
35) Carbon Tetrachloride	7.14	117	2776926	8.532	ppbv	99
36) Benzene	7.01	78	3235837	10.037	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1973475	9.093	ppbv	99
38) Trichloroethene	7.97	130	1247845	9.564	ppbv	96
39) 1,2-Dichloropropane	7.75	63	1206499	9.822	ppbv	97
40) 1,4-Dioxane	7.96	88	455502	10.382	ppbv	84
41) Tetrahydrofuran	6.16	42	1264048	10.494	ppbv	100
42) Bromodichloromethane	7.92	83	2768603	9.411	ppbv	99
43) Methyl Methacrylate	8.15	69	1304020	10.834	ppbv	99

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Instrument :
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ClientSampleId :
VL1114ABS04

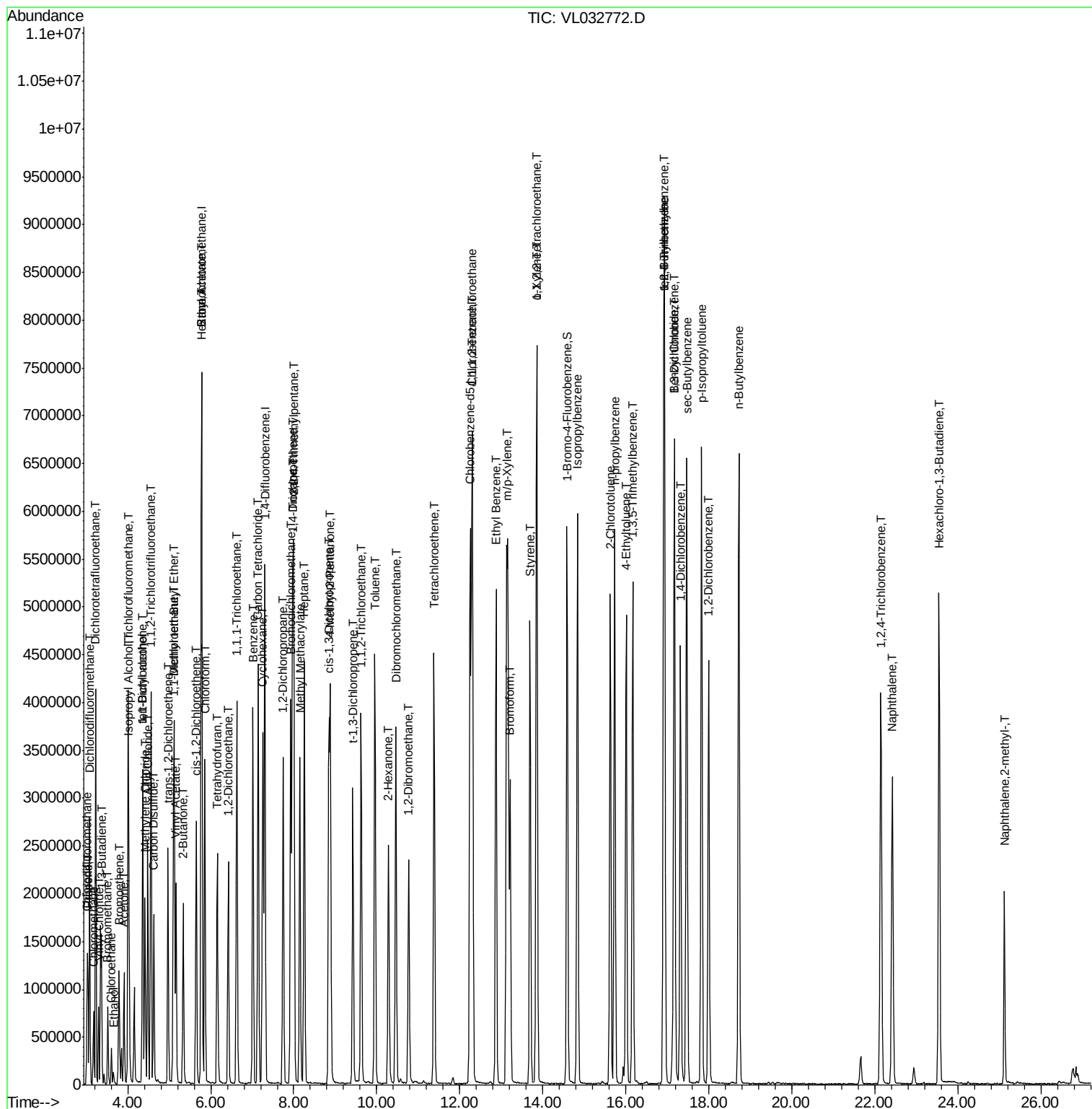
Quant Time: Nov 15 05:01:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

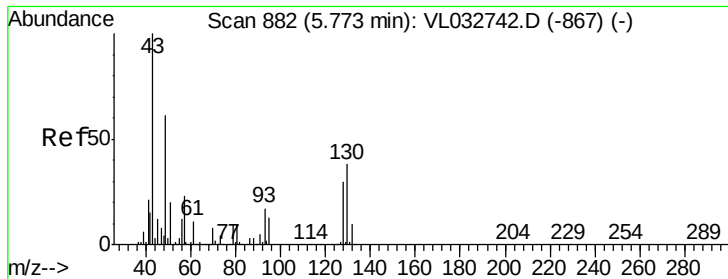
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	5343996	9.919	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1838960	11.386	ppbv	96
46) cis-1,3-Dichloropropene	8.84	75	2110482	10.816	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	1380779	9.506	ppbv	99
48) Dibromochloromethane	10.46	129	2313497	9.371	ppbv	100
49) Bromoform	13.21	173	1826993	8.961	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	3279092	9.998	ppbv	99
51) 2-Hexanone	10.28	43	2321502	10.987	ppbv	100
52) Tetrachloroethene	11.38	164	1104295	9.847	ppbv	98
53) Toluene	9.95	91	3663244	10.892	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1993508	9.709	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1613519	8.436	ppbv	99
57) Chlorobenzene	12.31	112	2687173	8.560	ppbv	99
58) Ethyl Benzene	12.87	91	4818690	9.764	ppbv	100
59) m/p-Xylene	13.14	91	4194569	9.548	ppbv #	31
60) o-Xylene	13.86	91	3854288	8.725	ppbv	99
61) Styrene	13.69	104	2913468	10.132	ppbv	99
62) Isopropylbenzene	14.83	105	5374777	9.002	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2573254	7.473	ppbv	100
64) n-propylbenzene	15.73	120	1361352	8.668	ppbv	99
65) tert-Butylbenzene	16.92	119	4633343	8.657	ppbv	100
66) Benzyl Chloride	17.16	91	2647642	8.947	ppbv	100
67) sec-Butylbenzene	17.47	105	6588153	8.541	ppbv	99
69) p-Isopropyltoluene	17.82	119	5444329	8.877	ppbv	99
70) n-Butylbenzene	18.72	91	5603105	8.997	ppbv	100
71) 2-Chlorotoluene	15.62	91	4030990	9.053	ppbv	100
72) 4-Ethyltoluene	16.01	105	4369482	9.024	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	4129869	8.724	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	4197893	8.287	ppbv	98
75) 1,3-Dichlorobenzene	17.17	146	2350978	8.091	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	2332641	8.594	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	2300307	8.557	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1290496	8.895	ppbv	98
79) Naphthalene	22.42	128	4158197	12.495	ppbv	100
80) Naphthalene,2-methyl-	25.12	142	1035976	12.429	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1976955	11.830	ppbv	99

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

VL1114ABS04

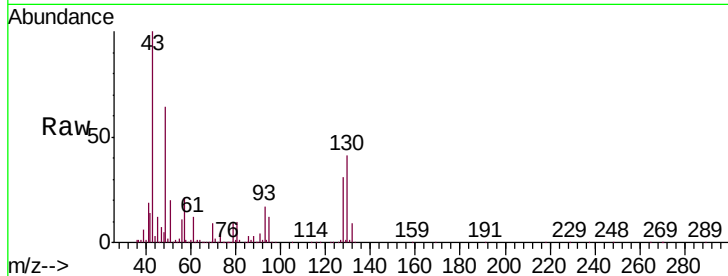
Tgt Ion: 49 Resp: 1595579

Ion Ratio Lower Upper

49 100

128 48.8 24.9 74.6

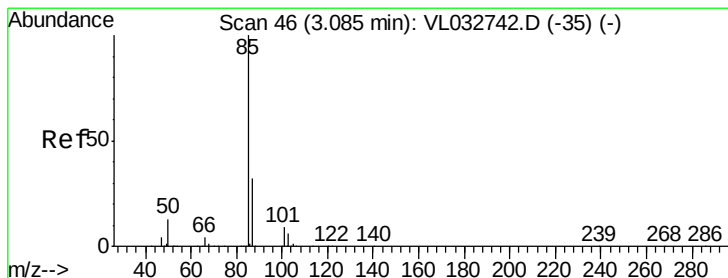
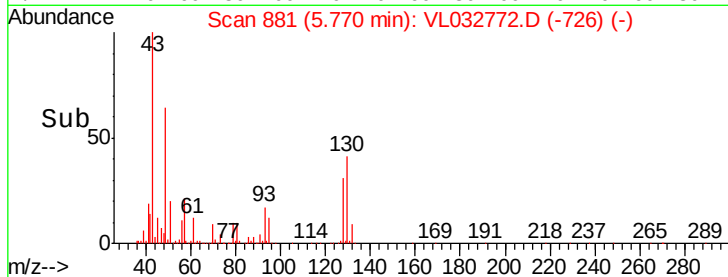
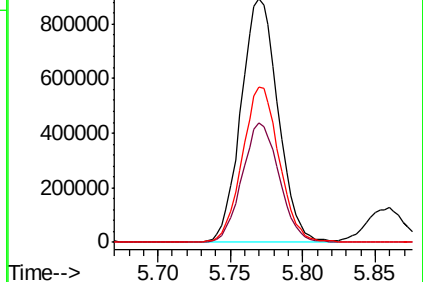
130 63.6 31.4 94.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.583 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL032772.D

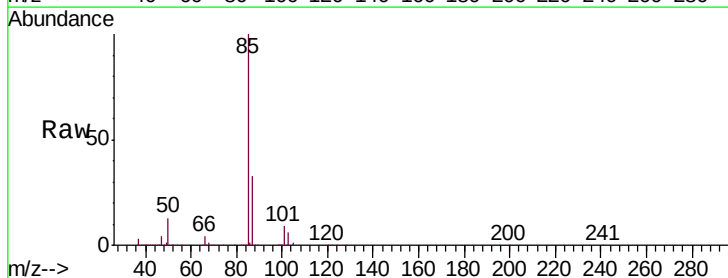
Acq: 14 Nov 2018 23:40

Tgt Ion: 85 Resp: 1968547

Ion Ratio Lower Upper

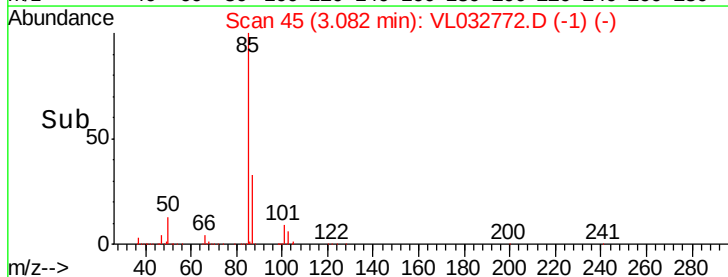
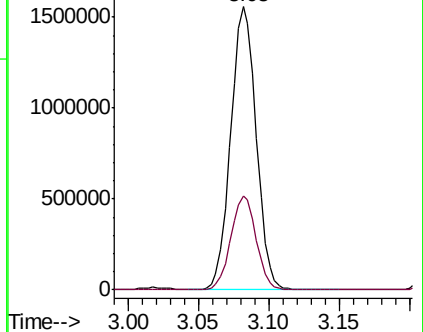
85 100

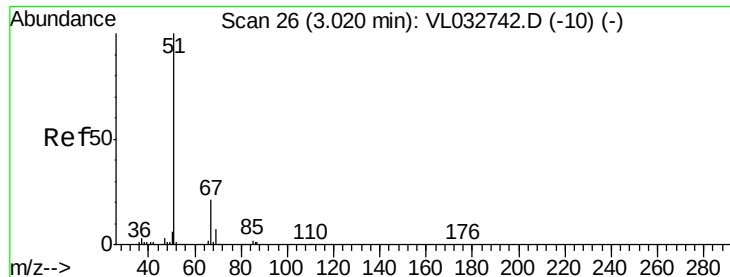
87 33.1 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

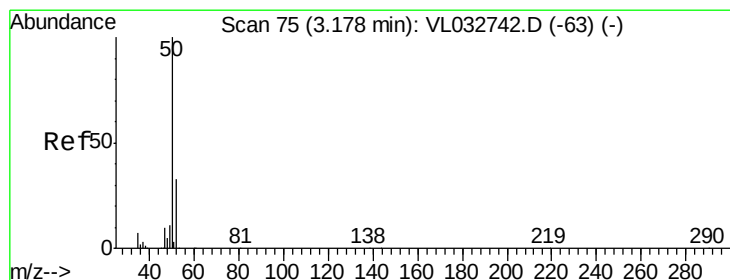
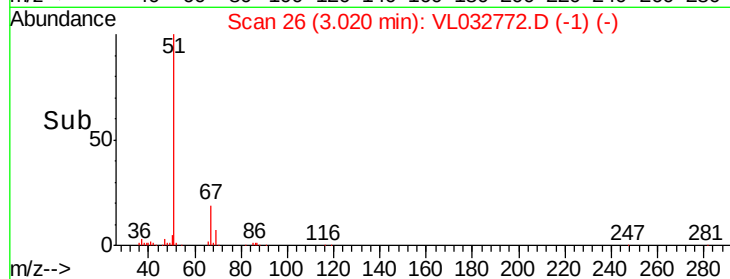
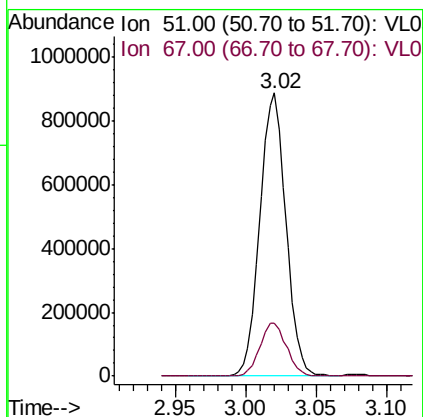
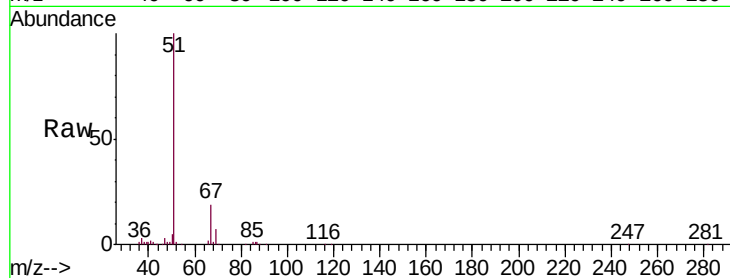




#3
Chlorodifluoromethane
Concen: 9.091 ppbv
RT: 3.02 min Scan# 26
Delta R.T. 0.00 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

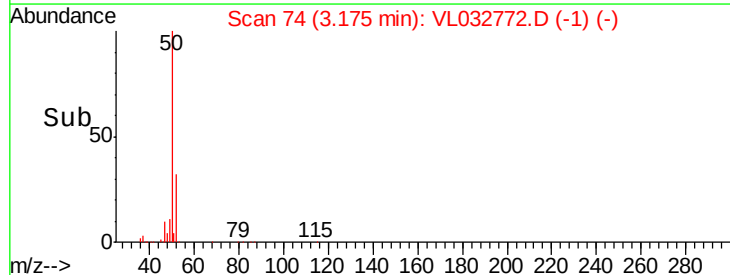
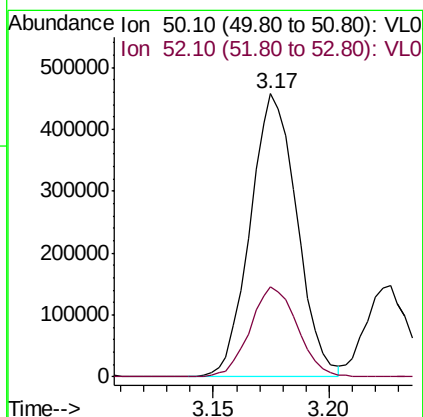
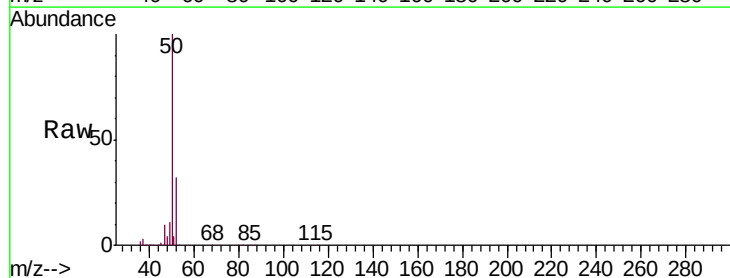
Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS04

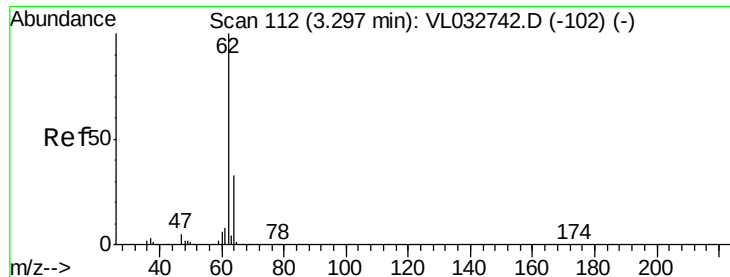
Tgt Ion: 51 Resp: 1150025
Ion Ratio Lower Upper
51 100
67 19.2 16.1 24.1



#4
Chloromethane
Concen: 9.123 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

Tgt Ion: 50 Resp: 639945
Ion Ratio Lower Upper
50 100
52 31.7 26.6 40.0





#5

Vinyl Chloride

Concen: 8.781 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

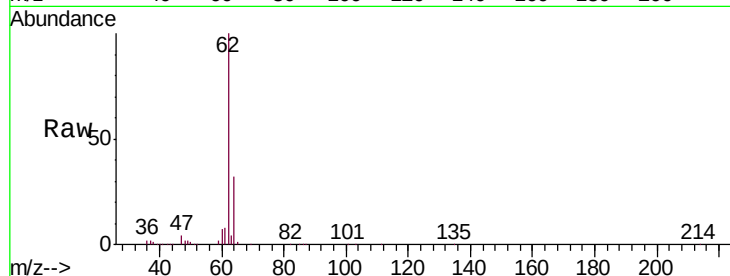
VL1114ABS04

Tgt Ion: 62 Resp: 652632

Ion Ratio Lower Upper

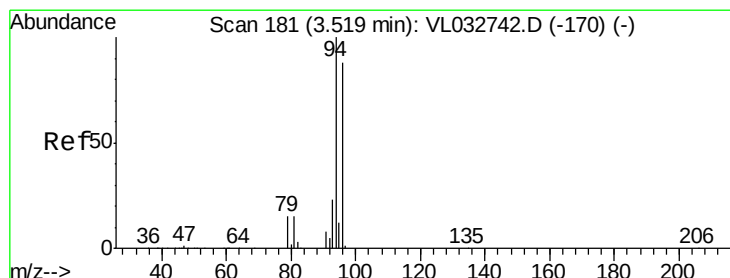
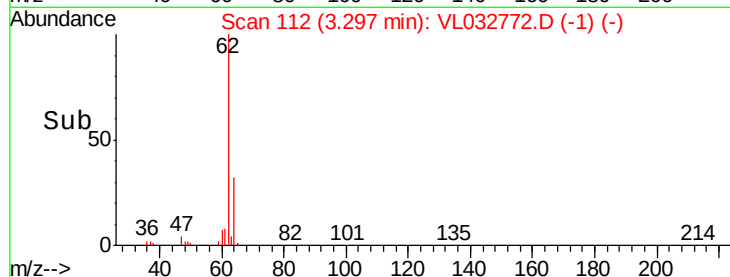
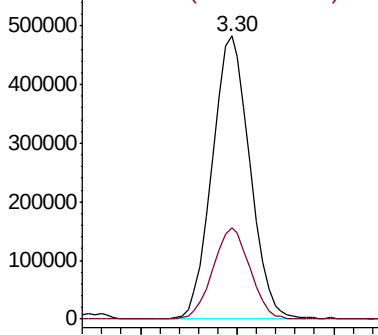
62 100

64 32.4 26.2 39.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.218 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL032772.D

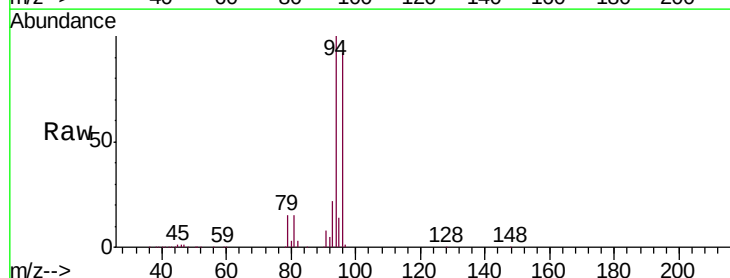
Acq: 14 Nov 2018 23:40

Tgt Ion: 94 Resp: 419131

Ion Ratio Lower Upper

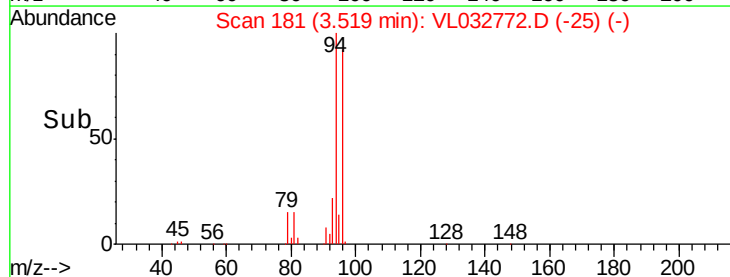
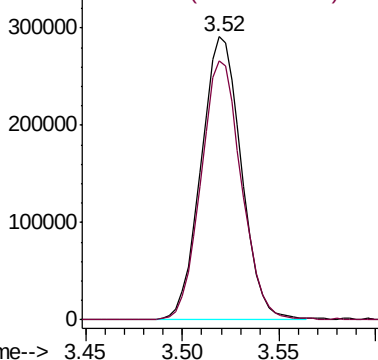
94 100

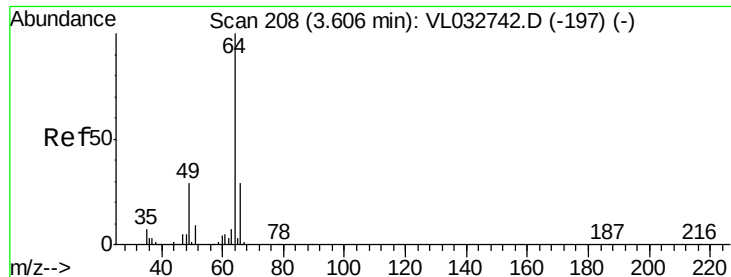
96 91.7 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.228 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

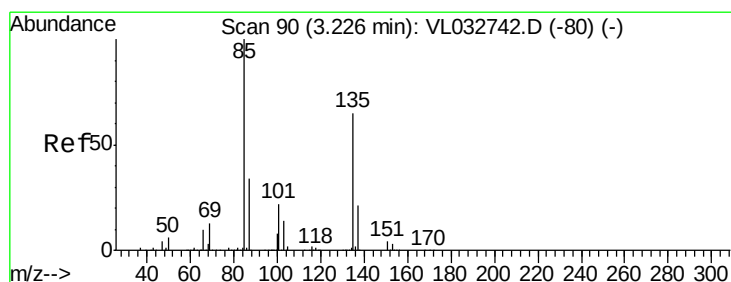
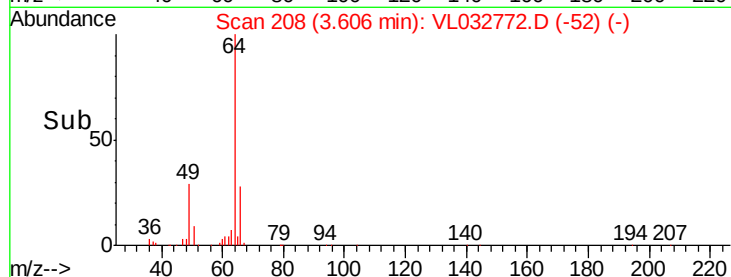
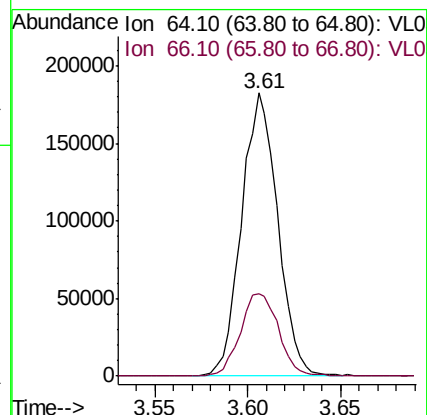
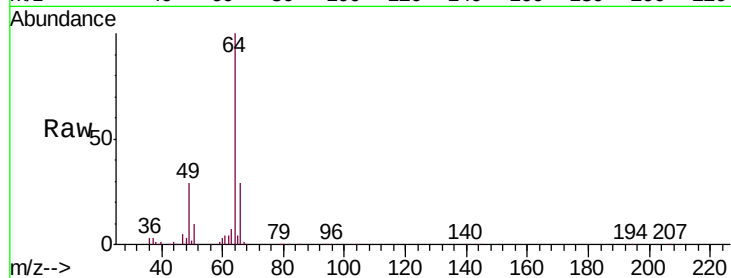
VL1114ABS04

Tgt Ion: 64 Resp: 247211

Ion Ratio Lower Upper

64 100

66 29.2 23.2 34.8



#8

Dichlorotetrafluoroethane

Concen: 8.608 ppbv

RT: 3.23 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL032772.D

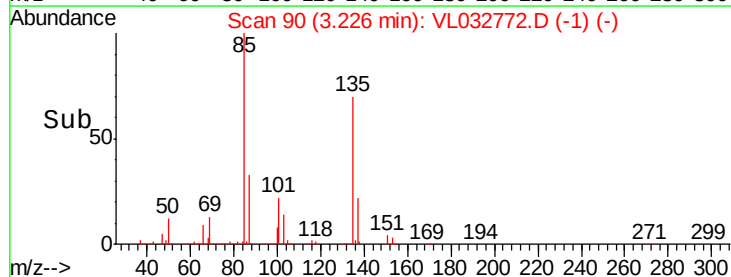
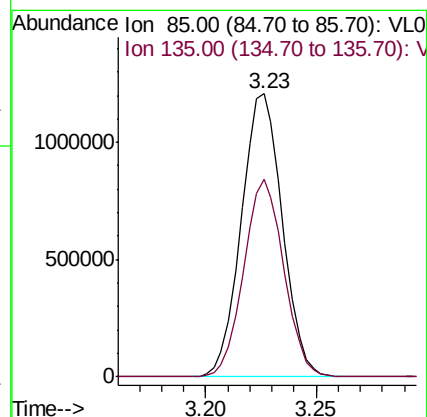
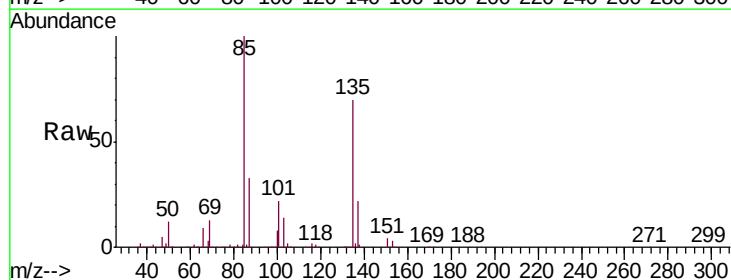
Acq: 14 Nov 2018 23:40

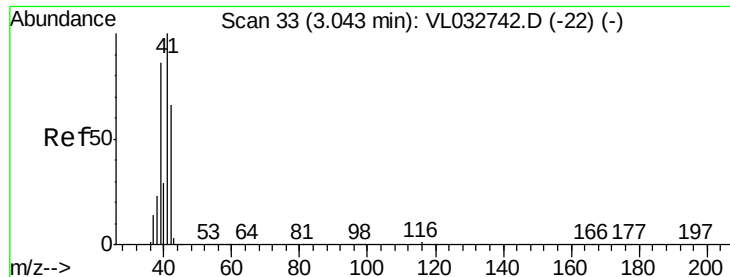
Tgt Ion: 85 Resp: 1555777

Ion Ratio Lower Upper

85 100

135 68.6 53.8 80.8





#9

Propene

Concen: 10.011 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

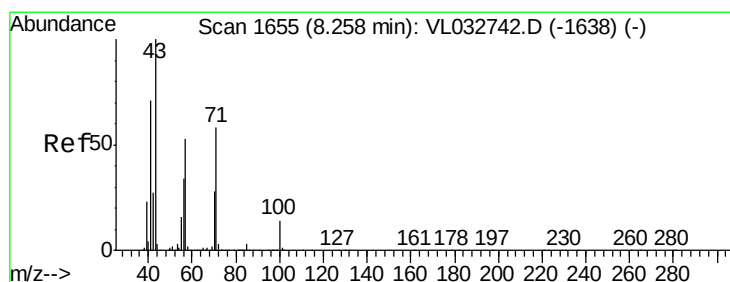
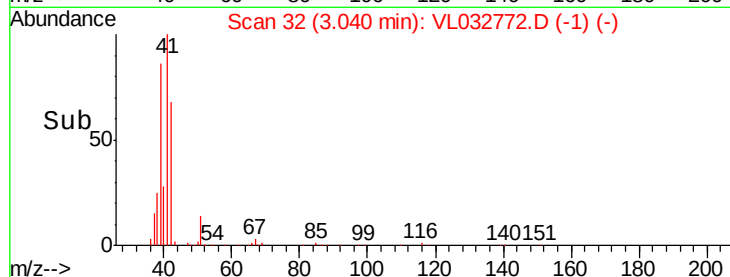
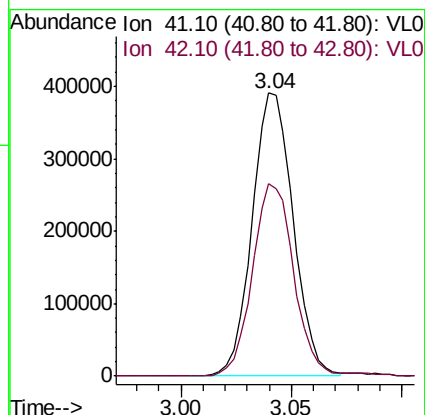
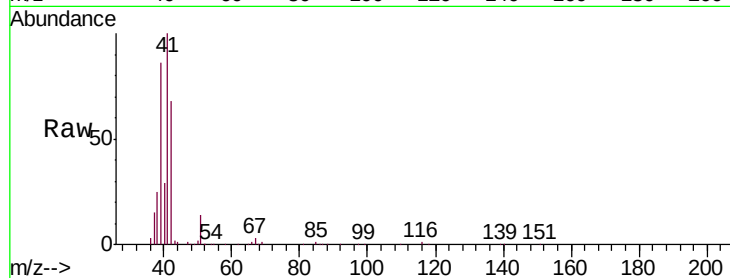
VL1114ABS04

Tgt Ion: 41 Resp: 506761

Ion Ratio Lower Upper

41 100

42 69.1 55.0 82.6



#10

Heptane

Concen: 10.162 ppbv

RT: 8.26 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL032772.D

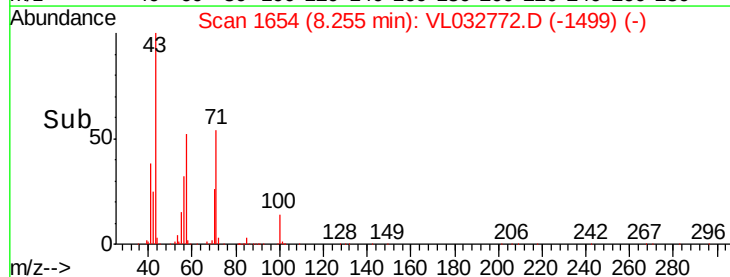
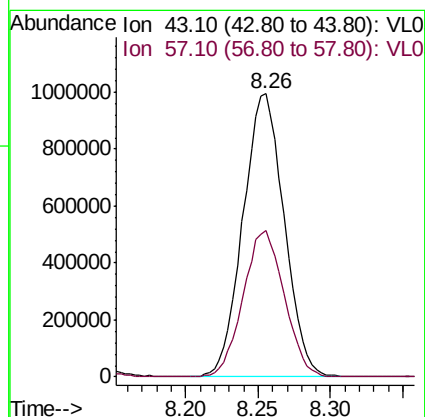
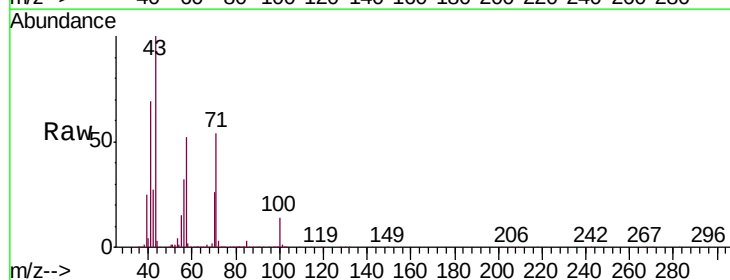
Acq: 14 Nov 2018 23:40

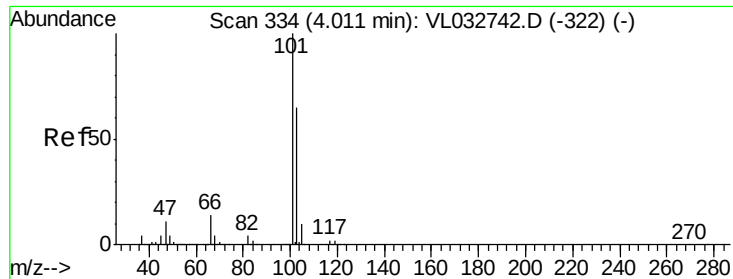
Tgt Ion: 43 Resp: 1963937

Ion Ratio Lower Upper

43 100

57 51.7 41.8 62.8





#11

Trichlorofluoromethane

Concen: 11.940 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.00 min

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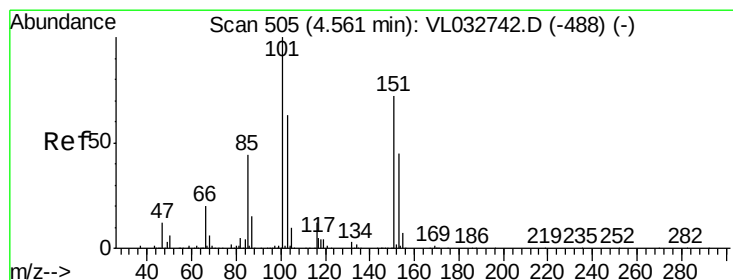
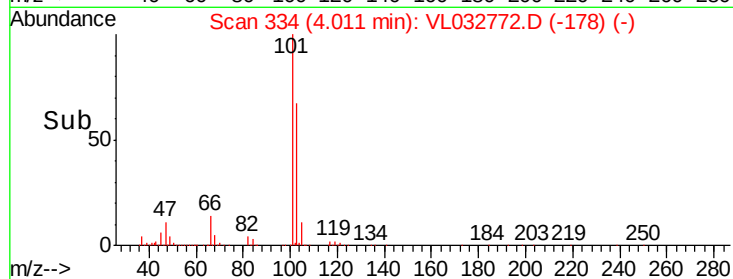
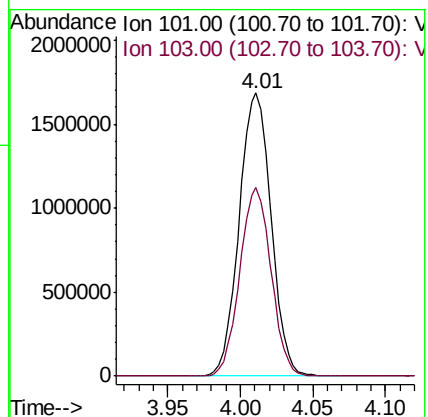
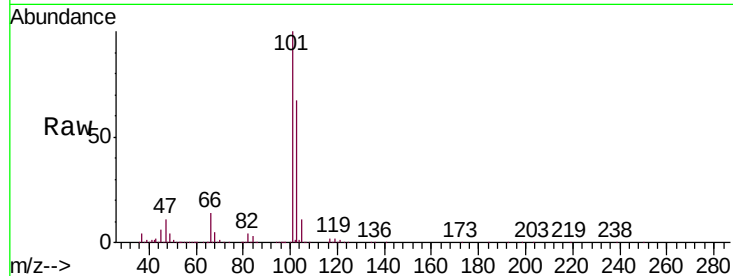
VL1114ABS04

Tgt Ion:101 Resp: 2580700

Ion Ratio Lower Upper

101 100

103 66.8 51.6 77.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.448 ppbv

RT: 4.56 min Scan# 504

Delta R.T. -0.00 min

Lab File: VL032772.D

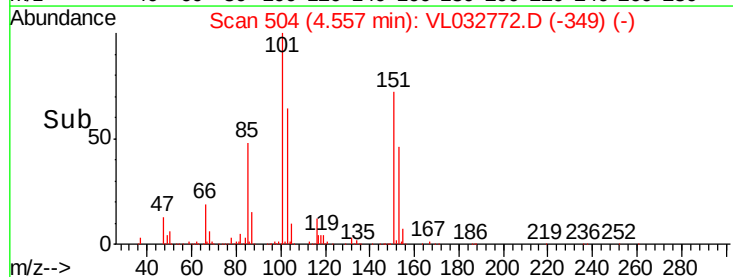
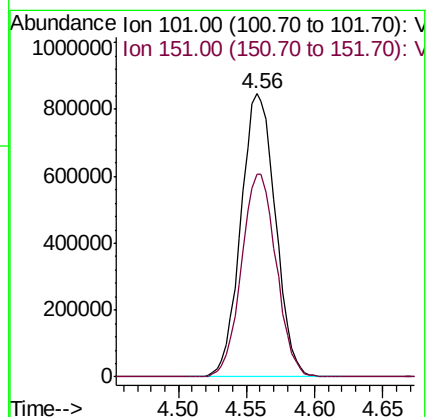
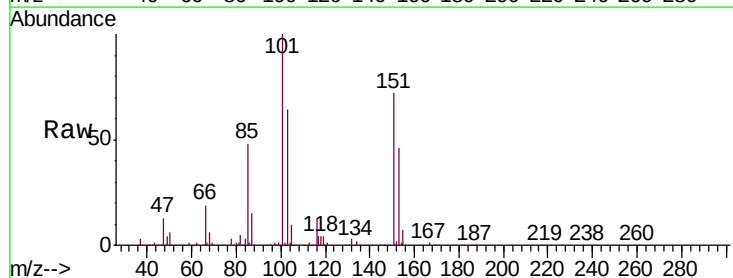
Acq: 14 Nov 2018 23:40

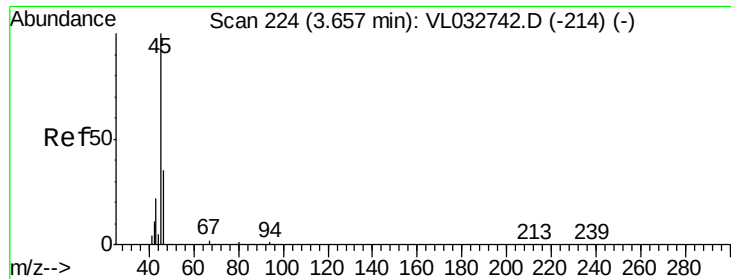
Tgt Ion:101 Resp: 1491447

Ion Ratio Lower Upper

101 100

151 71.9 56.7 85.1





#13

Ethanol

Concen: 7.178 ppbv

RT: 3.65 min Scan# 223

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

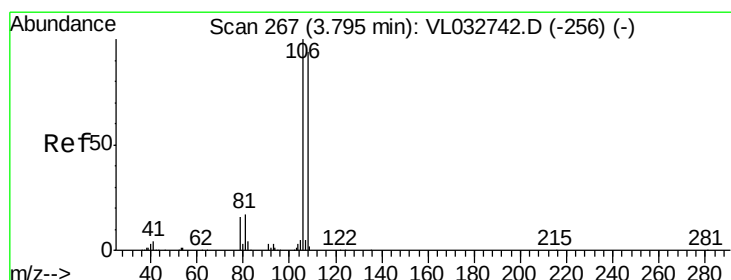
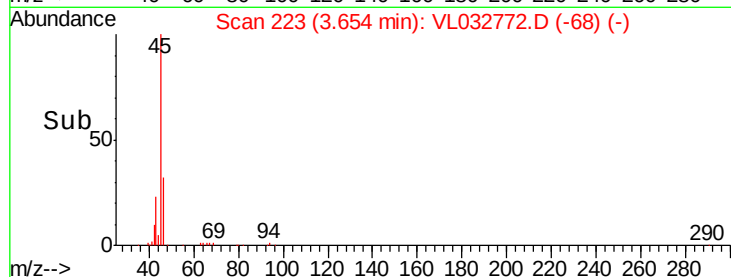
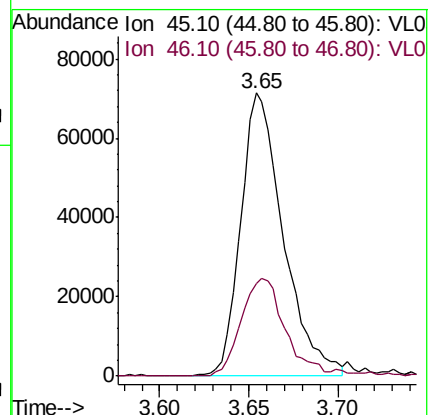
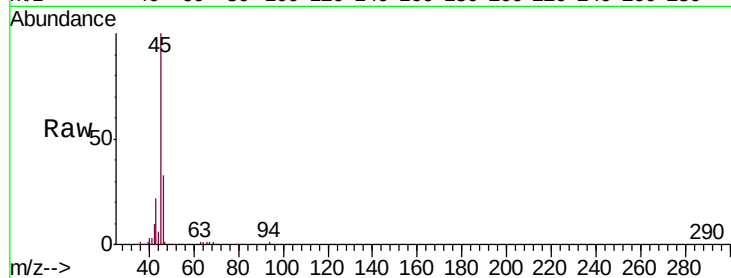
VL1114ABS04

Tgt Ion: 45 Resp: 119018

Ion Ratio Lower Upper

45 100

46 37.4 14.5 57.9



#14

Bromoethene

Concen: 9.252 ppbv

RT: 3.80 min Scan# 267

Delta R.T. 0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

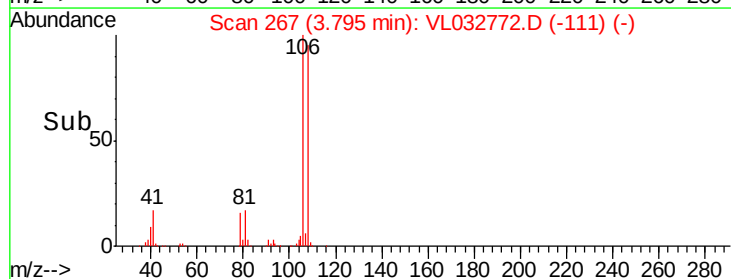
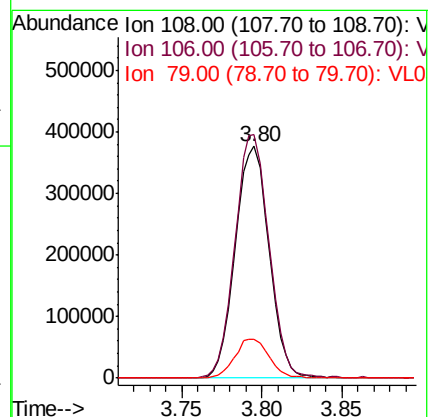
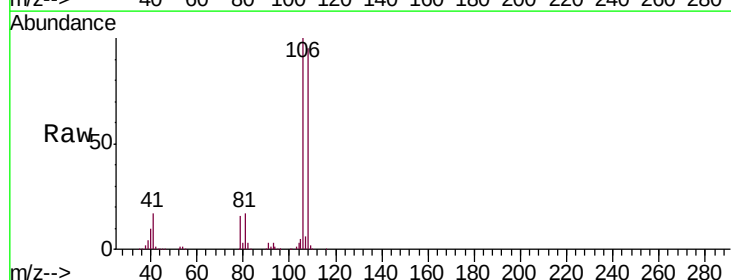
Tgt Ion: 108 Resp: 541905

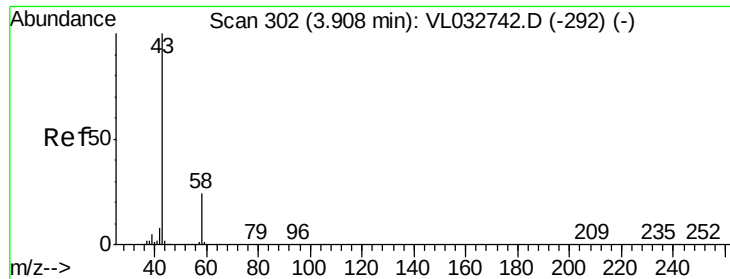
Ion Ratio Lower Upper

108 100

106 106.0 84.9 127.3

79 17.3 14.2 21.4

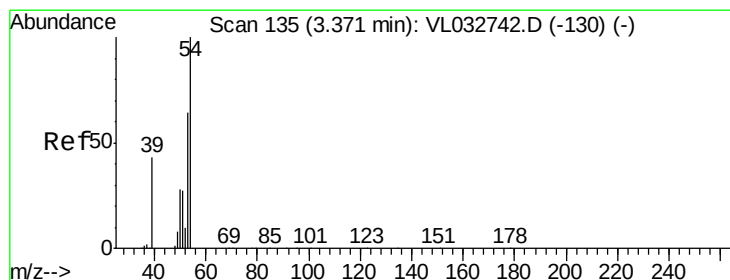
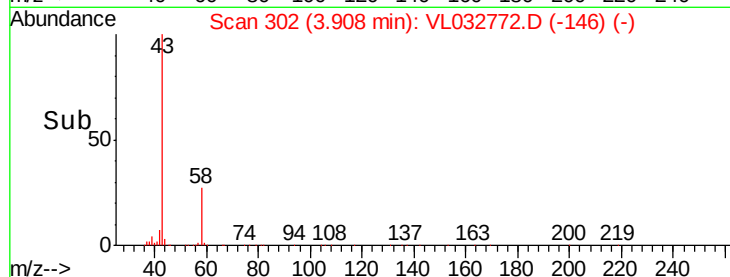
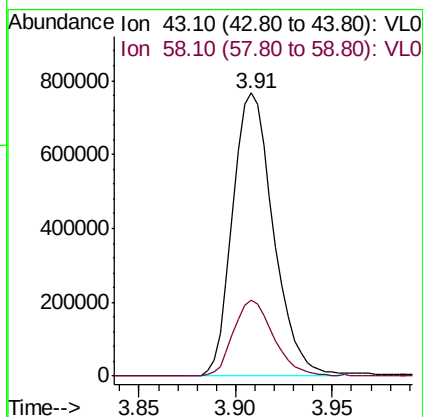
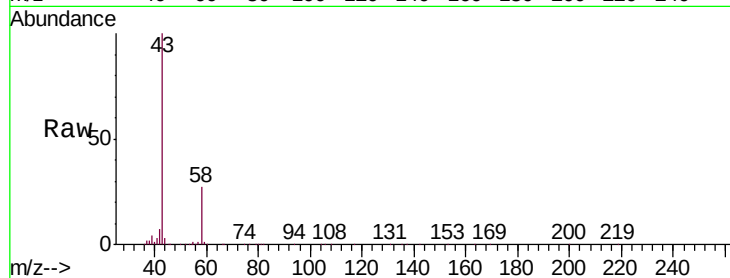




#15
Acetone
Concen: 7.732 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

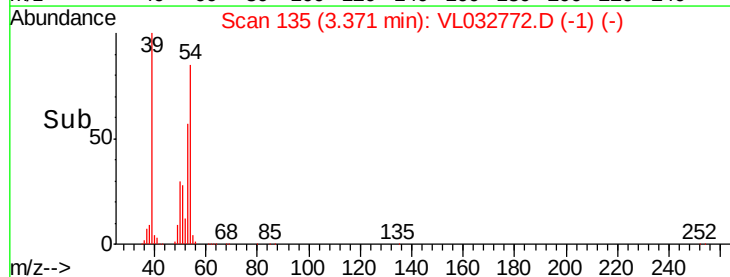
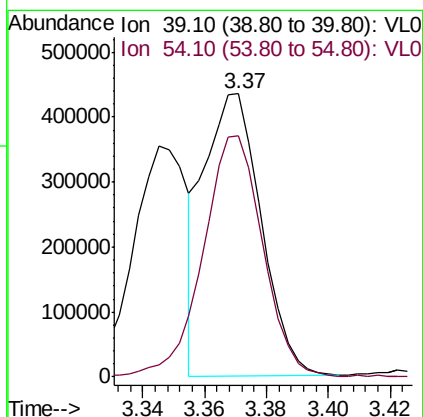
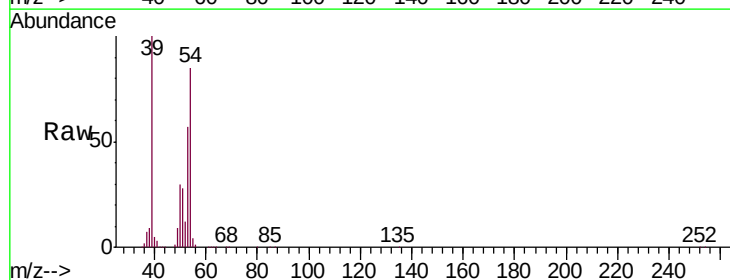
Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS04

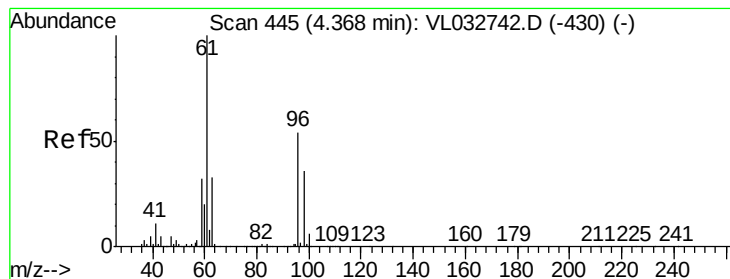
Tgt Ion: 43 Resp: 1126649
Ion Ratio Lower Upper
43 100
58 26.8 21.1 31.7



#16
1,3-Butadiene
Concen: 9.890 ppbv
RT: 3.37 min Scan# 135
Delta R.T. 0.00 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

Tgt Ion: 39 Resp: 558106
Ion Ratio Lower Upper
39 100
54 90.5 68.9 103.3





#17

tert-Butyl alcohol

Concen: 10.437 ppbv

RT: 4.36 min Scan# 444

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

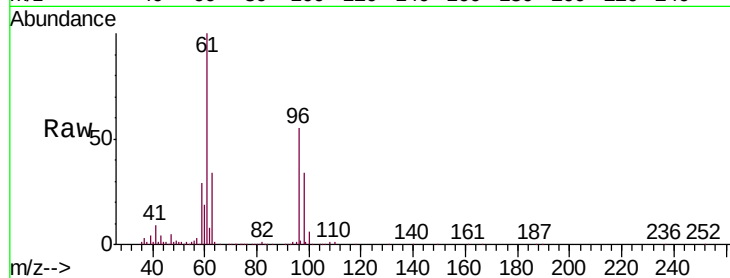
VL1114ABS04

Tgt Ion: 59 Resp: 476991

Ion Ratio Lower Upper

59 100

57 9.9 7.8 11.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

250000

200000

150000

100000

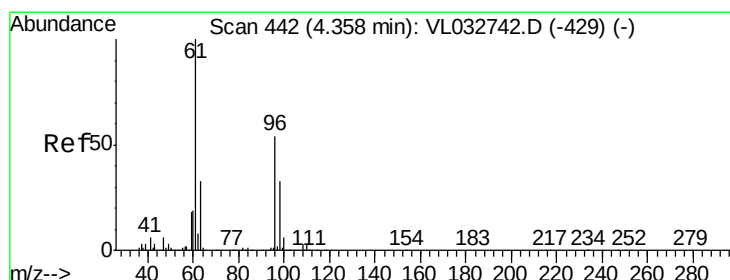
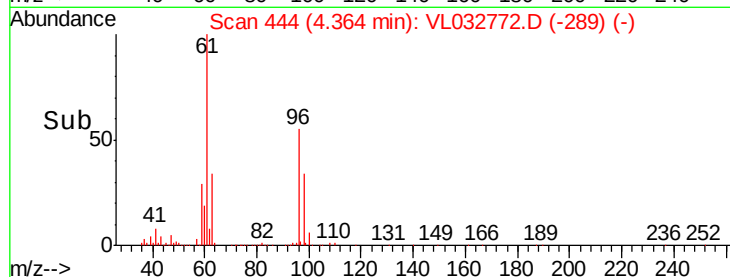
50000

0

Time-->

4.30 4.35 4.40 4.45

4.36



#18

1,1-Dichloroethene

Concen: 9.473 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

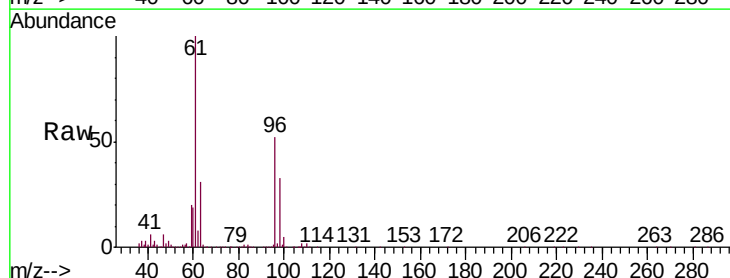
Tgt Ion: 96 Resp: 822439

Ion Ratio Lower Upper

96 100

61 193.6 148.5 222.7

98 64.6 48.6 72.8



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

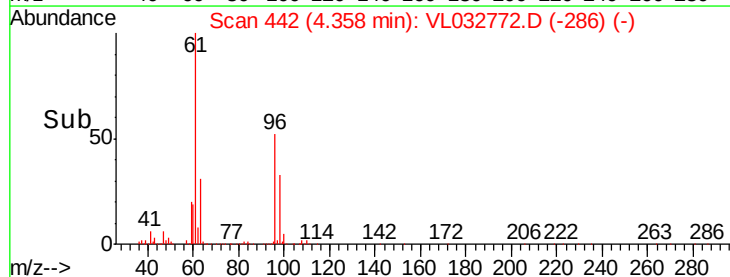
500000

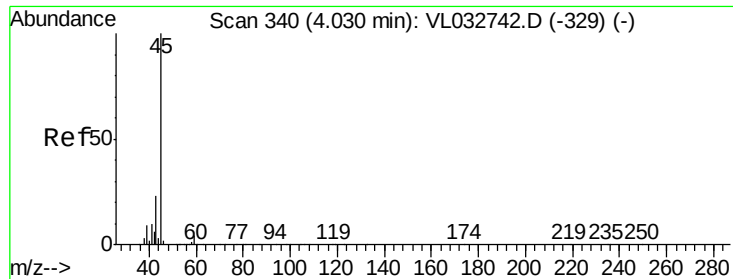
0

Time-->

4.30 4.35 4.40

4.36

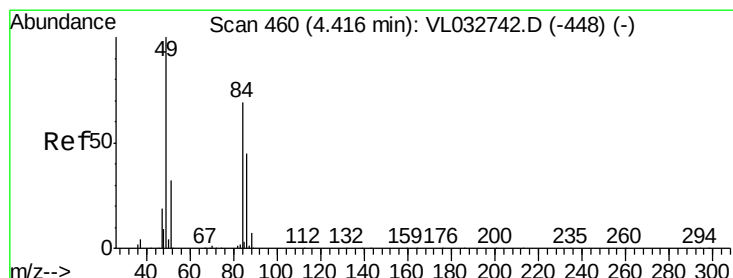
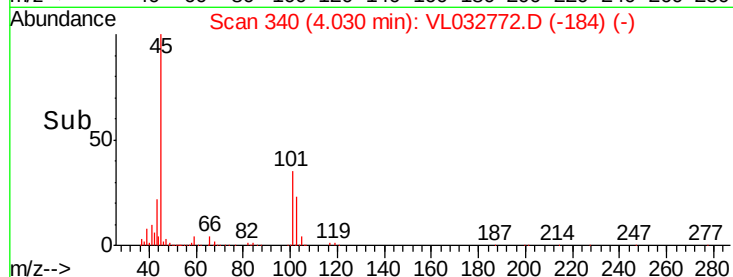
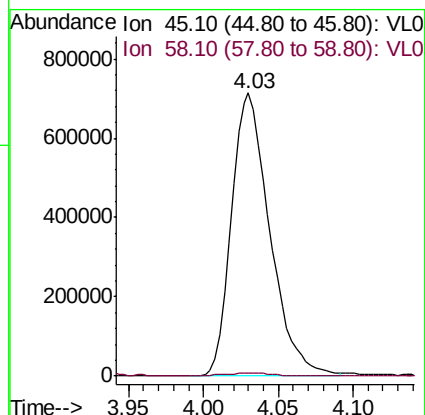
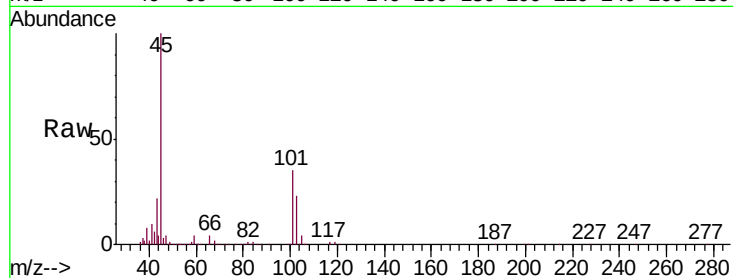




#19
Isopropyl Alcohol
Concen: 13.091 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.00 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

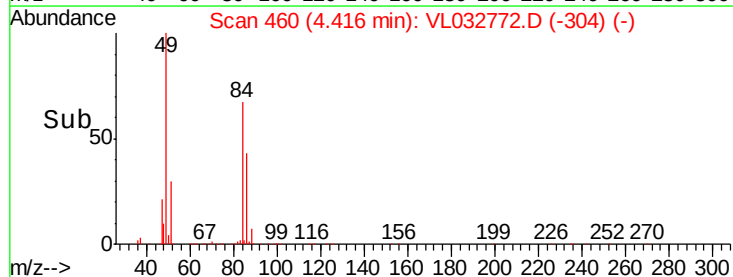
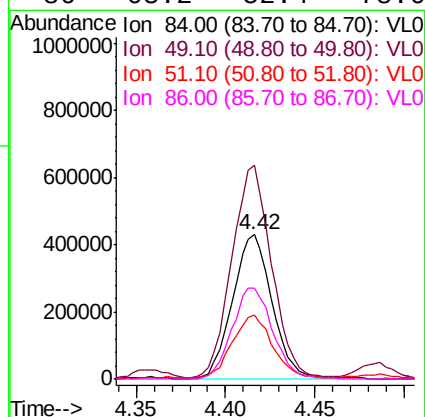
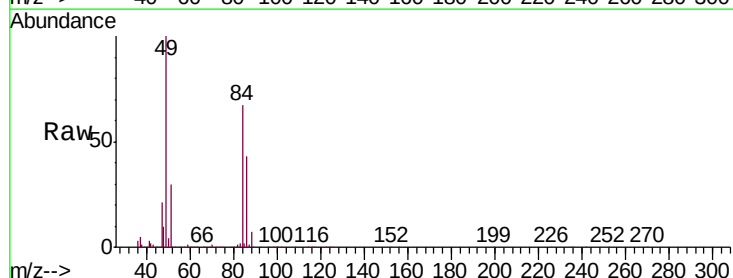
Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS04

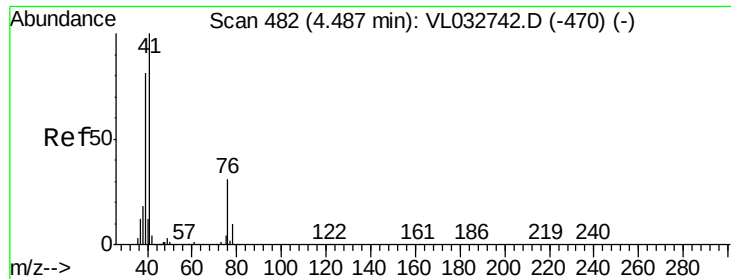
Tgt Ion: 45 Resp: 1270749
Ion Ratio Lower Upper
45 100
58 1.4 1.4 2.0



#20
Methylene Chloride
Concen: 8.758 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

Tgt Ion: 84 Resp: 660691
Ion Ratio Lower Upper
84 100
49 147.4 115.8 173.6
51 43.7 36.9 55.3
86 63.2 52.4 78.6





#21

Allyl Chloride

Concen: 10.802 ppbv

RT: 4.48 min Scan# 481

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS04

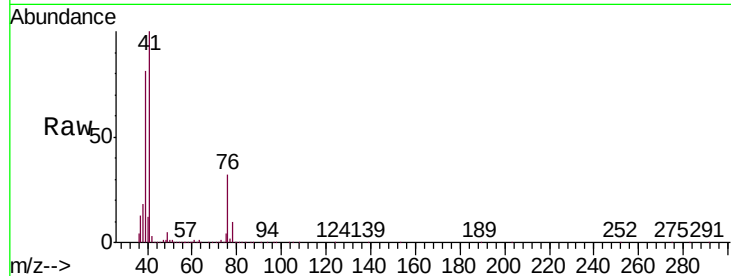
Tgt Ion: 41 Resp: 1322736

Ion Ratio Lower Upper

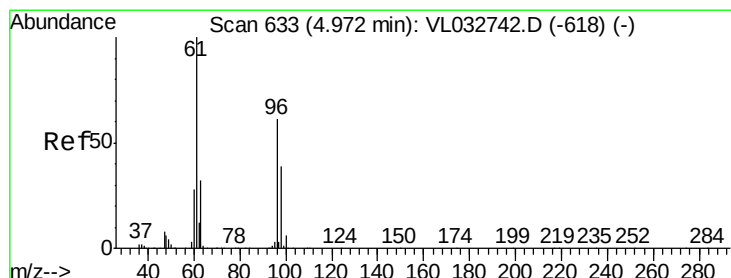
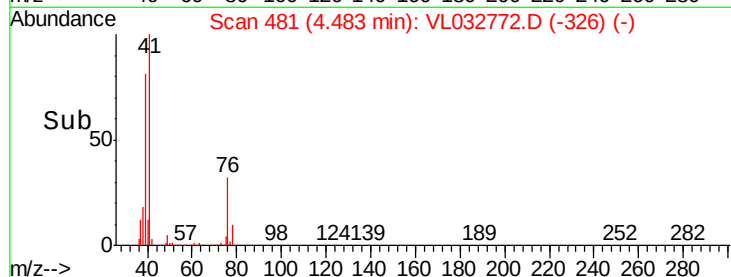
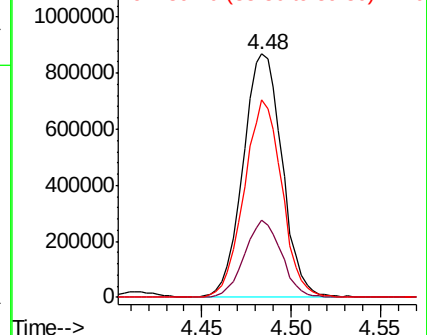
41 100

76 30.2 24.4 36.6

39 78.6 63.5 95.3



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.033 ppbv

RT: 4.97 min Scan# 632

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

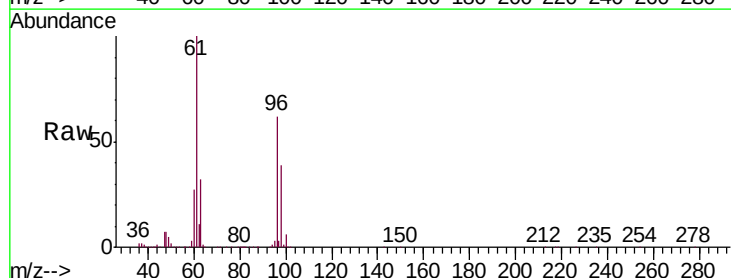
Tgt Ion: 96 Resp: 765794

Ion Ratio Lower Upper

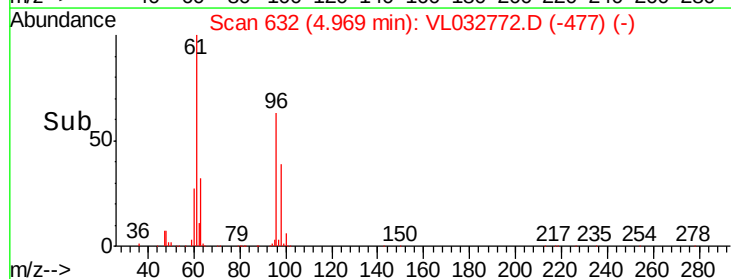
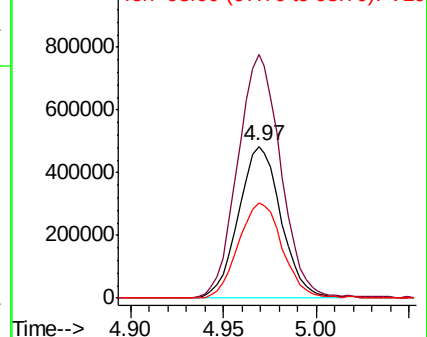
96 100

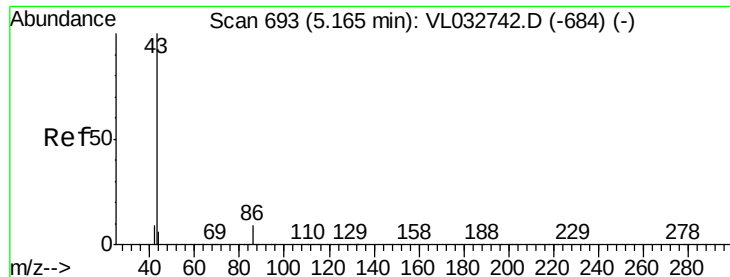
61 160.5 130.2 195.2

98 62.5 50.2 75.2



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





#23

Vinyl Acetate

Concen: 10.093 ppbv

RT: 5.16 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS04

Tgt Ion: 43 Resp: 2680851

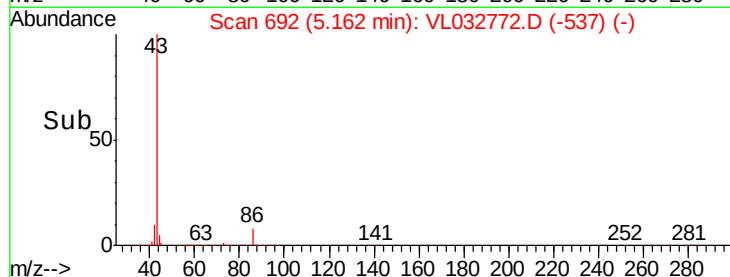
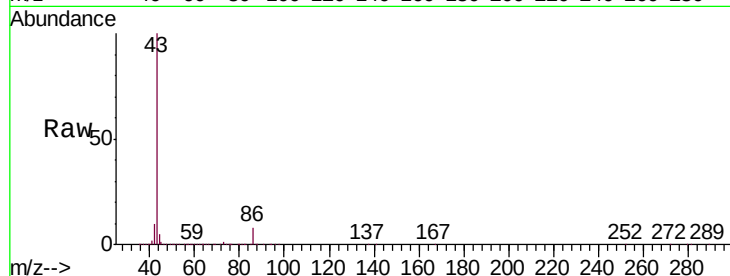
Ion Ratio Lower Upper

43 100

86 8.1 6.2 9.4

42 9.7 7.8 11.6

44 5.1 4.4 6.6

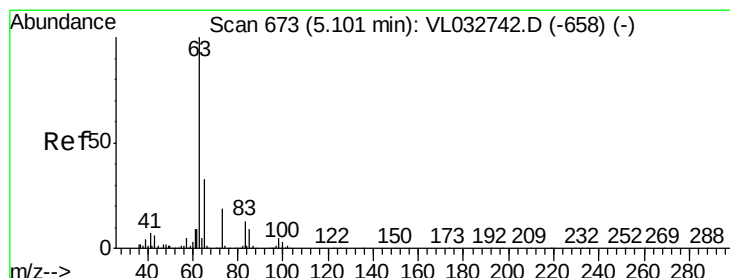
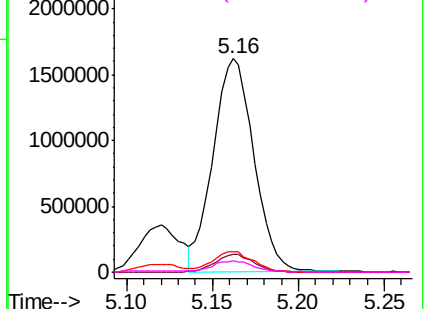


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.285 ppbv

RT: 5.10 min Scan# 672

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

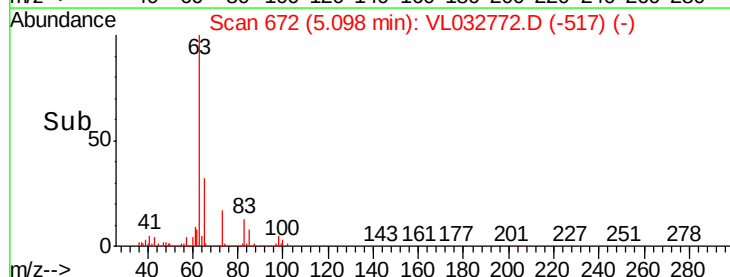
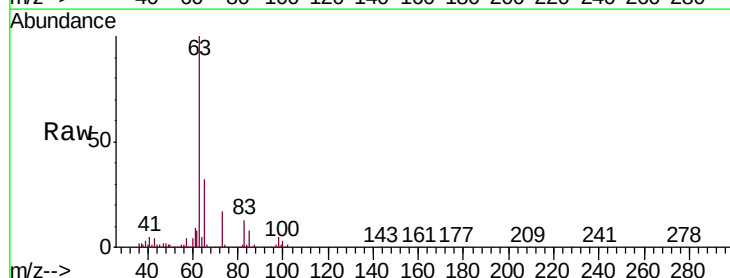
Tgt Ion: 63 Resp: 1960784

Ion Ratio Lower Upper

63 100

98 4.9 2.3 6.8

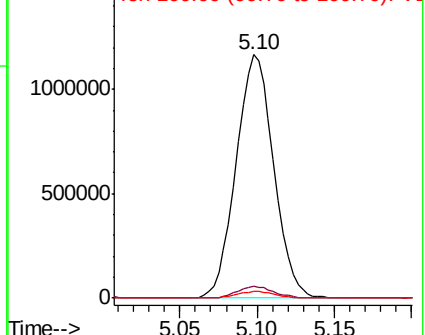
100 3.0 1.4 4.2

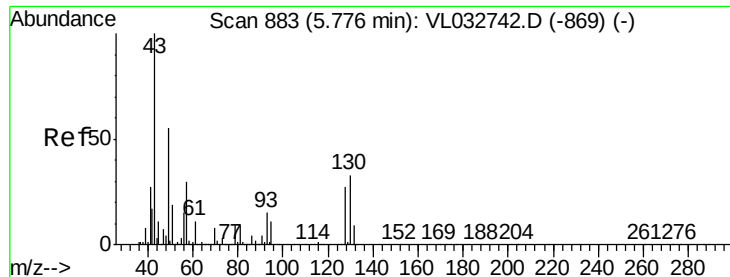


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



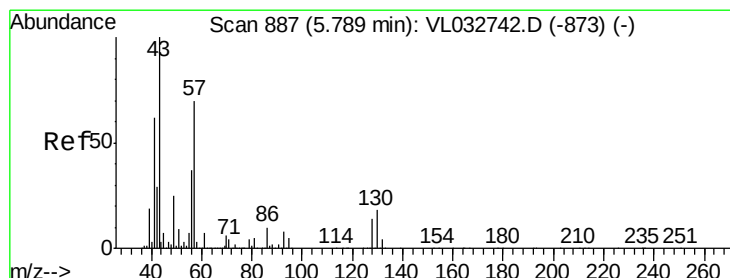
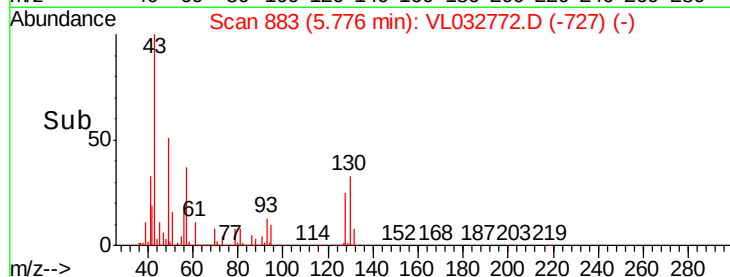
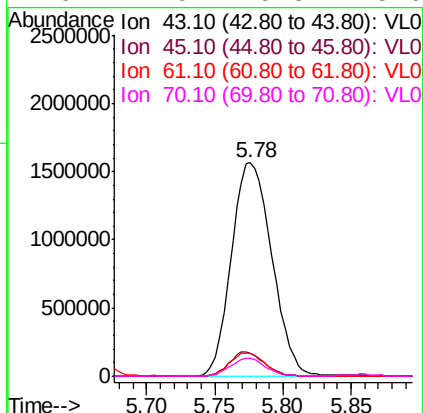
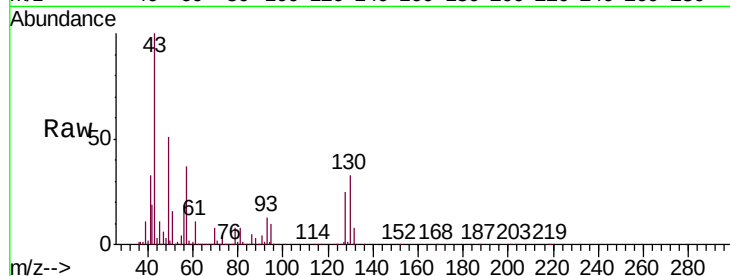


#25
Ethyl Acetate
Concen: 9.462 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS04

Tgt Ion: 43 Resp: 3213357

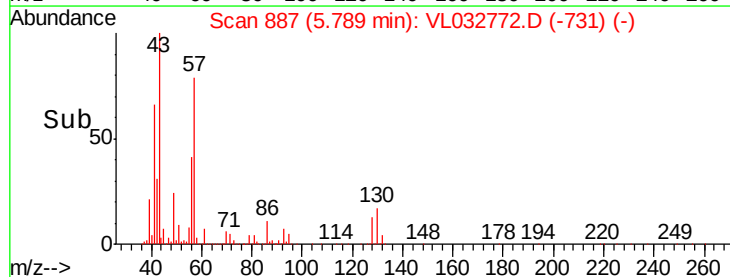
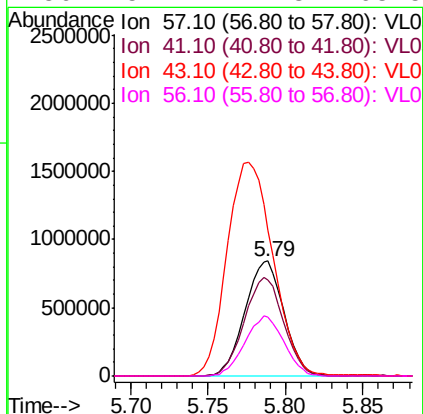
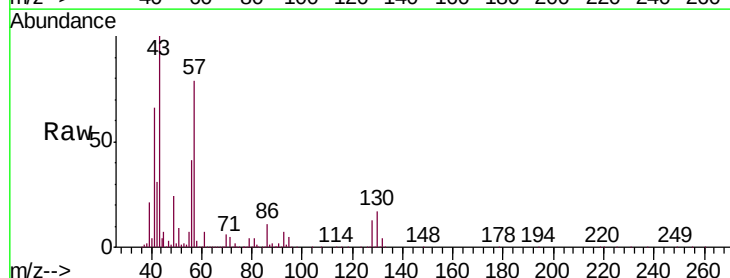
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.4	7.8	11.6
70	7.5	5.8	8.6

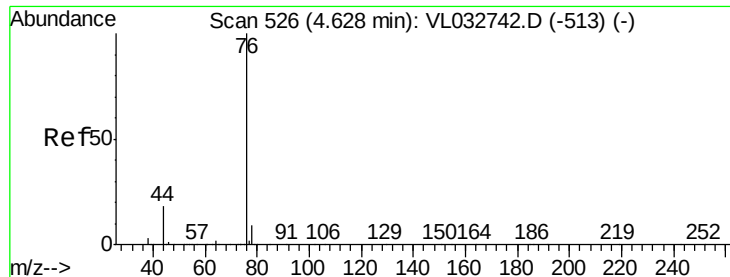


#26
Hexane
Concen: 9.743 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

Tgt Ion: 57 Resp: 1472916

Ion	Ratio	Lower	Upper
57	100		
41	86.8	70.3	105.5
43	219.9	174.0	261.0
56	52.7	42.3	63.5





#27

Carbon Disulfide

Concen: 10.305 ppbv

RT: 4.62 min Scan# 525

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS04

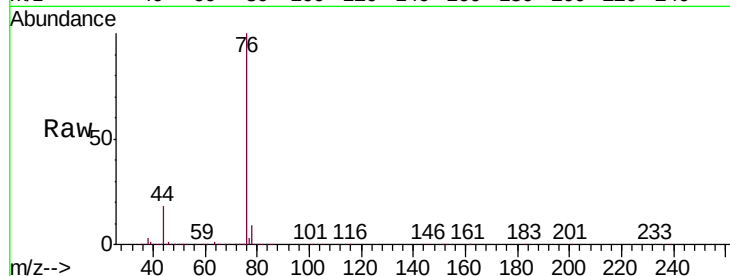
Tgt Ion: 76 Resp: 1975496

Ion Ratio Lower Upper

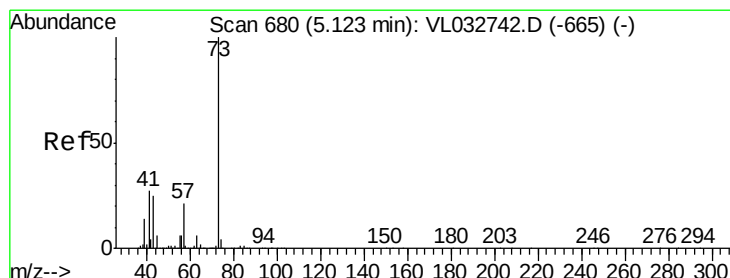
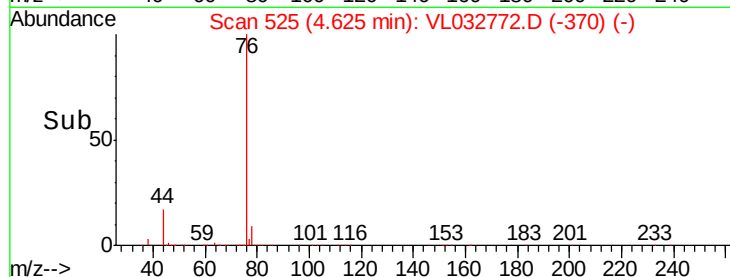
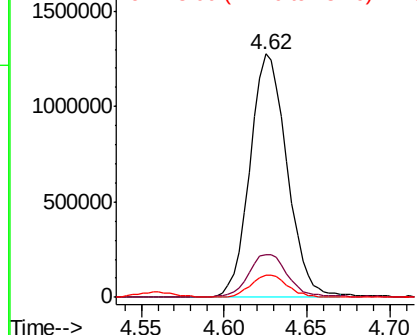
76 100

44 18.1 14.4 21.6

78 9.3 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.145 ppbv

RT: 5.12 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL032772.D

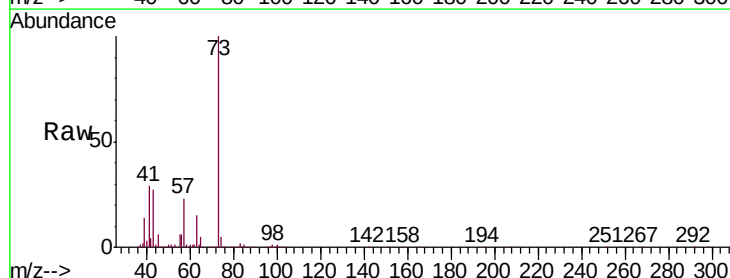
Acq: 14 Nov 2018 23:40

Tgt Ion: 73 Resp: 2445810

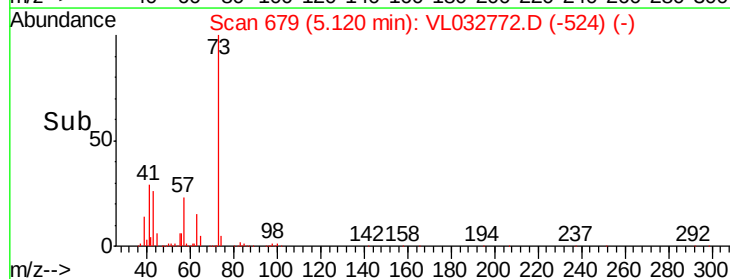
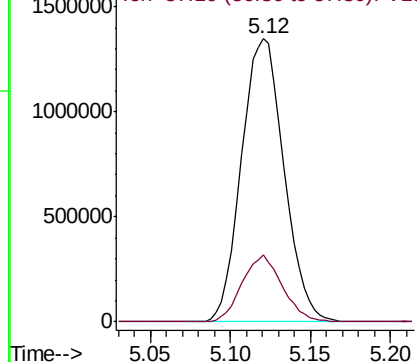
Ion Ratio Lower Upper

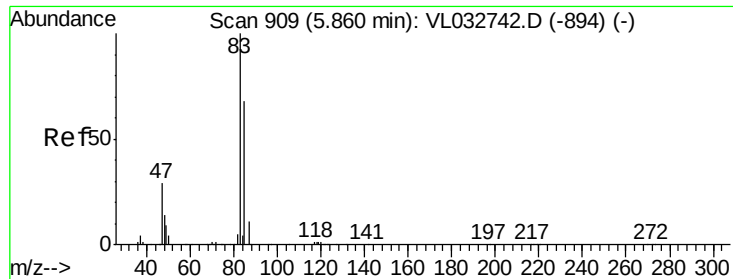
73 100

57 22.4 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

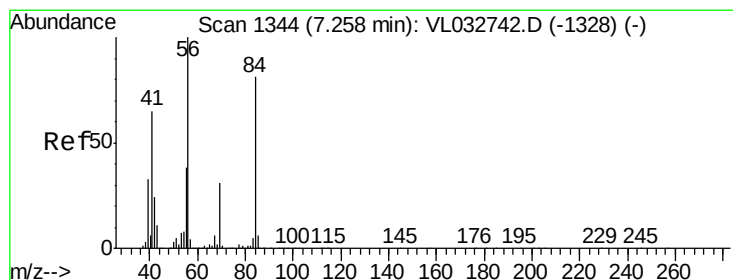
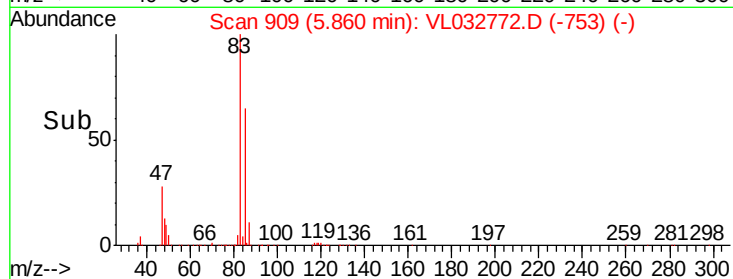
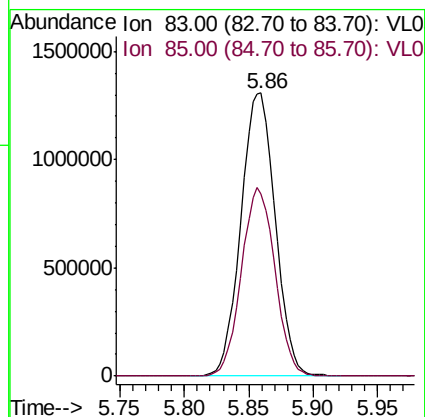
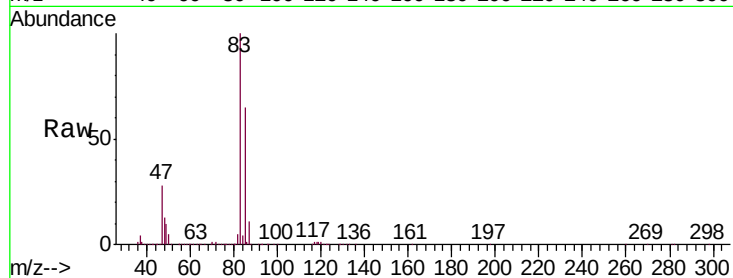




#29
Chloroform
Concen: 9.010 ppbv
RT: 5.86 min Scan# 909
Delta R.T. 0.00 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

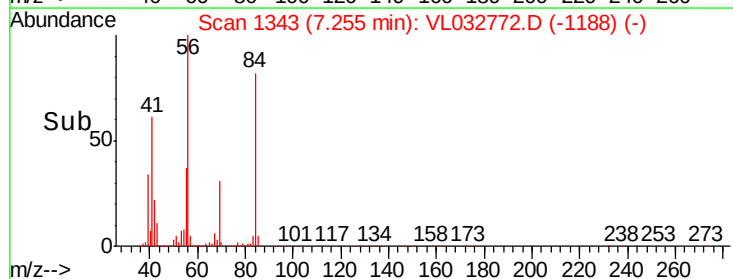
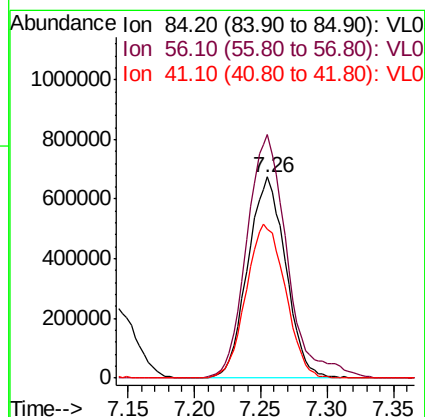
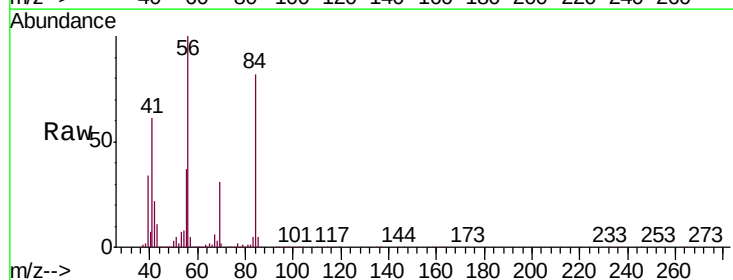
Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS04

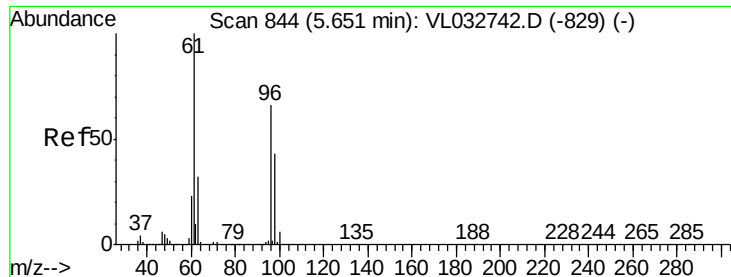
Tgt Ion: 83 Resp: 2427706
Ion Ratio Lower Upper
83 100
85 64.5 54.2 81.4



#30
Cyclohexane
Concen: 10.130 ppbv
RT: 7.26 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

Tgt Ion: 84 Resp: 1339390
Ion Ratio Lower Upper
84 100
56 129.9 105.0 157.4
41 79.8 65.3 97.9





#31

cis-1,2-Dichloroethene

Concen: 9.985 ppbv

RT: 5.65 min Scan# 843

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS04

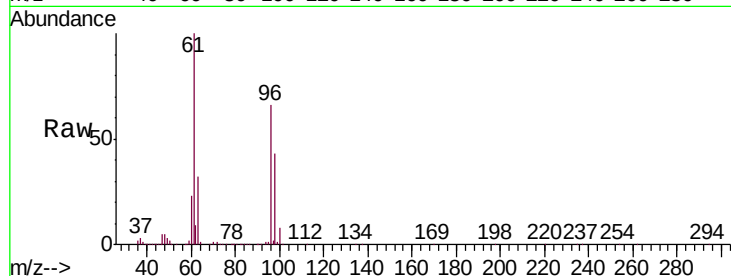
Tgt Ion: 61 Resp: 1517625

Ion Ratio Lower Upper

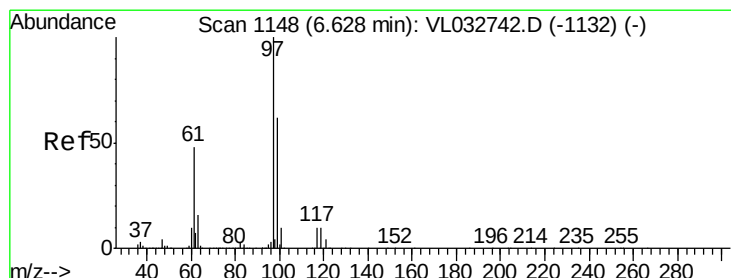
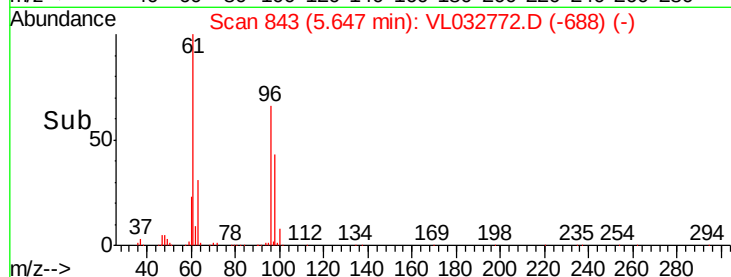
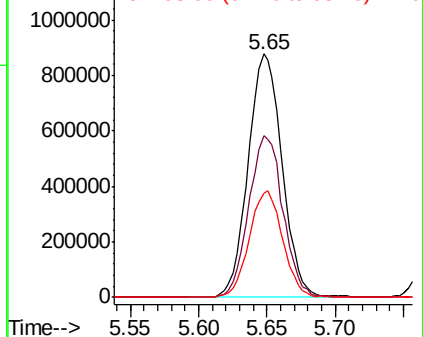
61 100

96 66.5 53.2 79.8

98 43.0 34.4 51.6



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: 8.777 ppbv

RT: 6.63 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

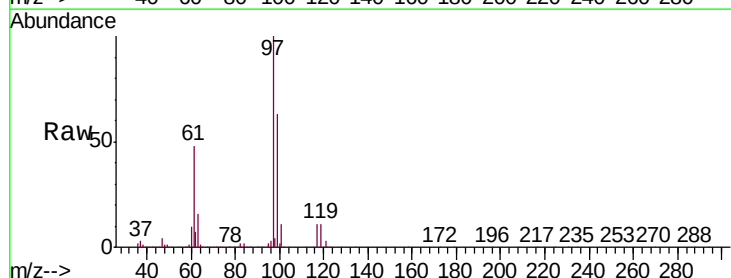
Tgt Ion: 97 Resp: 2592218

Ion Ratio Lower Upper

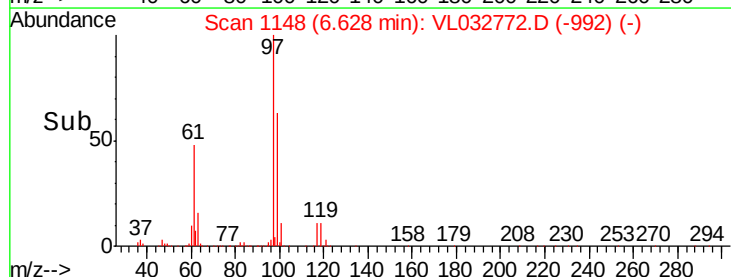
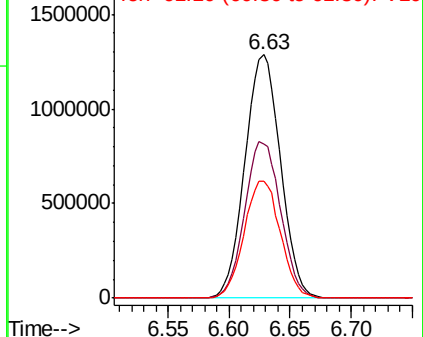
97 100

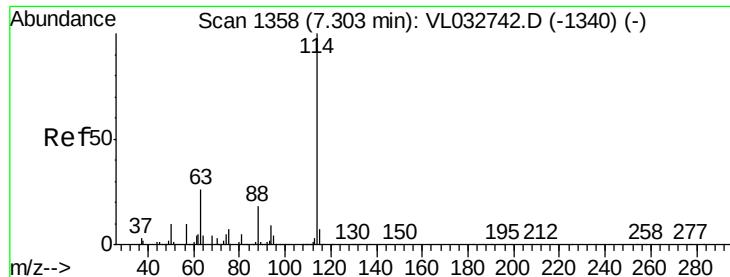
99 64.8 51.8 77.6

61 48.9 39.7 59.5



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

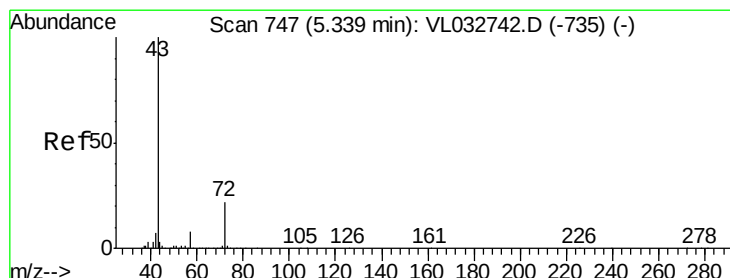
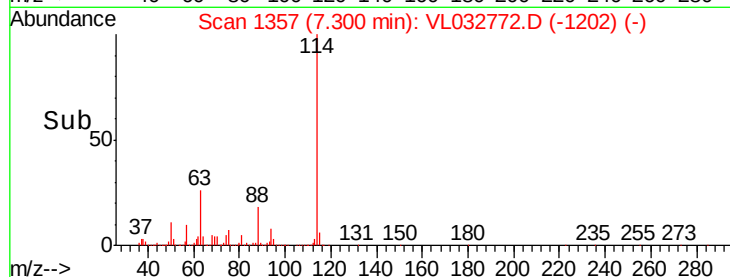
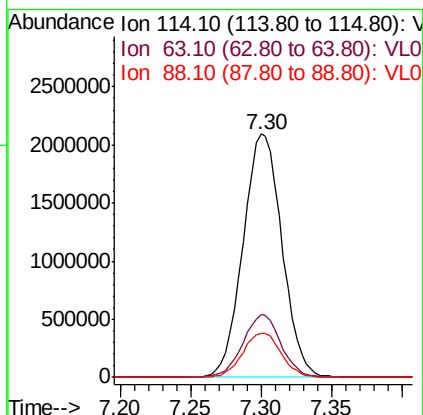
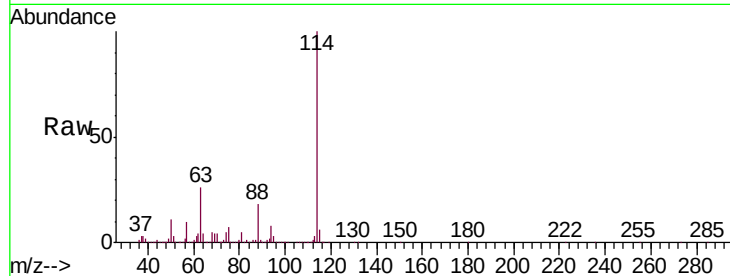




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VL032772.D
 Acq: 14 Nov 2018 23:40

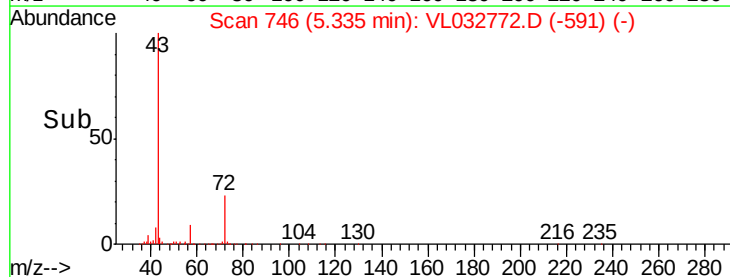
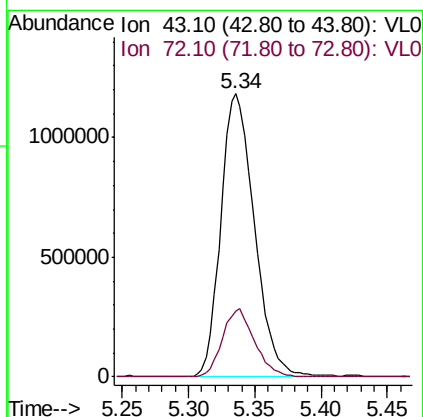
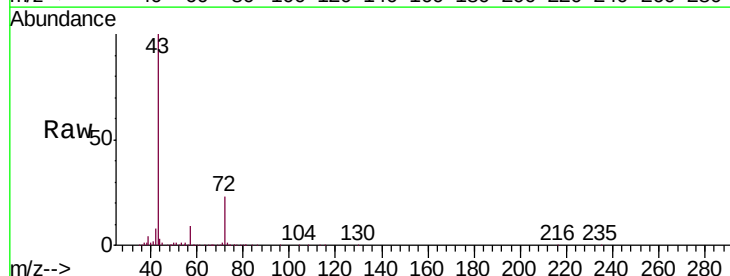
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1114ABS04

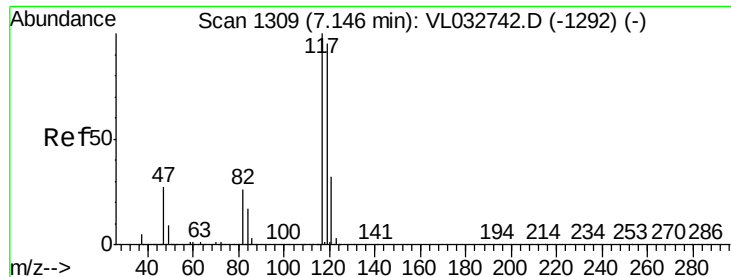
Tgt Ion:114 Resp: 4048602
 Ion Ratio Lower Upper
 114 100
 63 25.5 20.9 31.3
 88 18.0 14.4 21.6



#34
 2-Butanone
 Concen: 9.836 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VL032772.D
 Acq: 14 Nov 2018 23:40

Tgt Ion: 43 Resp: 2065411
 Ion Ratio Lower Upper
 43 100
 72 23.3 18.4 27.6





#35

Carbon Tetrachloride

Concen: 8.532 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS04

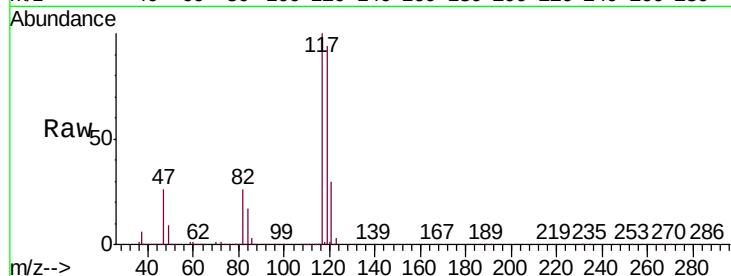
Tgt Ion: 117 Resp: 2776926

Ion Ratio Lower Upper

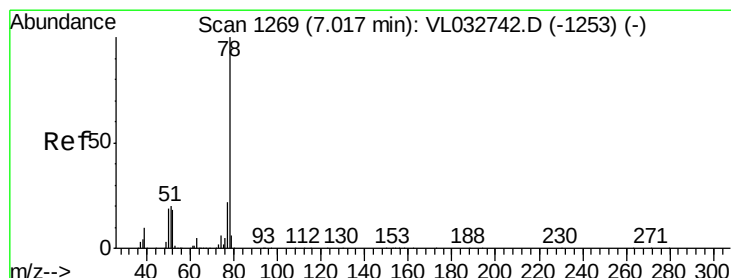
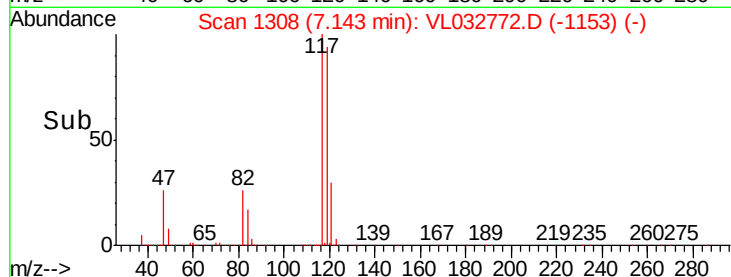
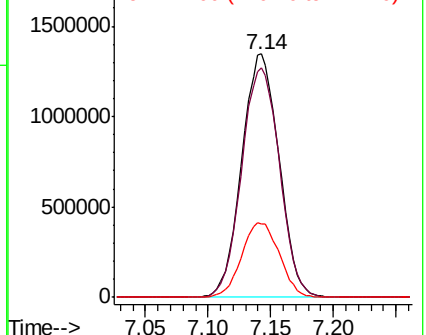
117 100

119 94.1 76.1 114.1

121 30.1 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.037 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

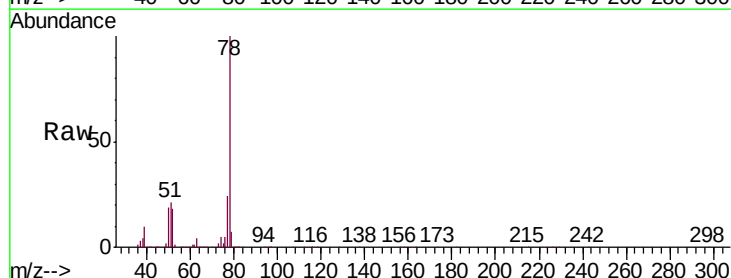
Tgt Ion: 78 Resp: 3235837

Ion Ratio Lower Upper

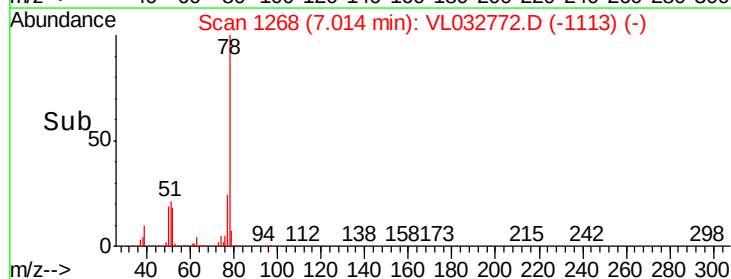
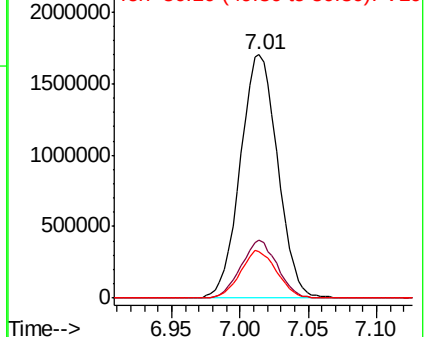
78 100

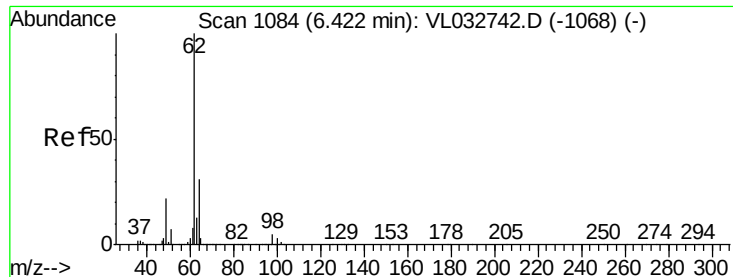
77 23.6 17.8 26.8

50 19.1 15.4 23.0



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.093 ppbv

RT: 6.42 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

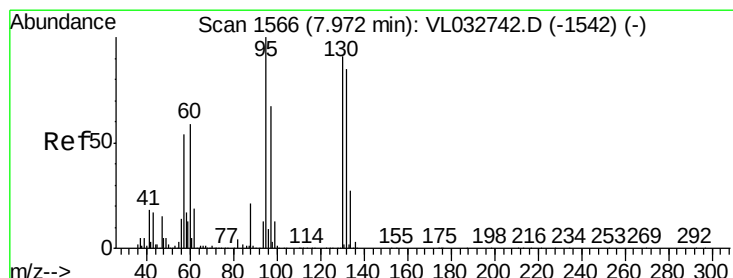
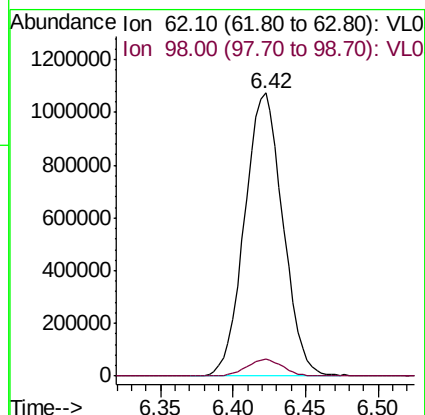
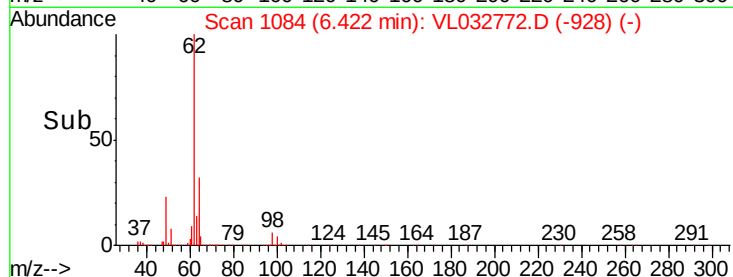
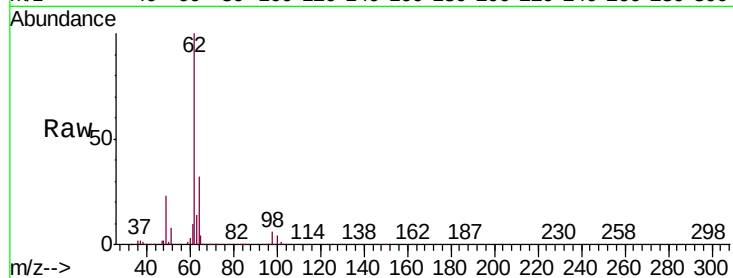
VL1114ABS04

Tgt Ion: 62 Resp: 1973475

Ion Ratio Lower Upper

62 100

98 5.8 4.5 6.7



#38

Trichloroethene

Concen: 9.564 ppbv

RT: 7.97 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Tgt Ion: 130 Resp: 1247845

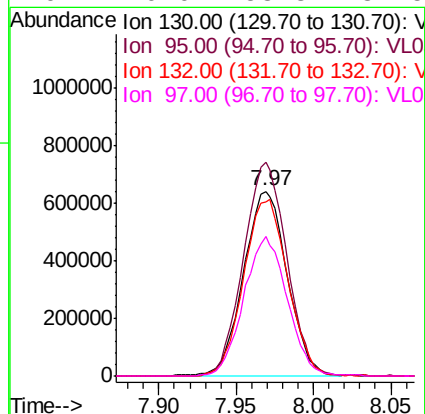
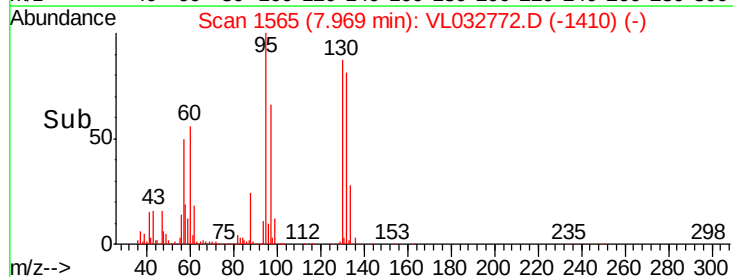
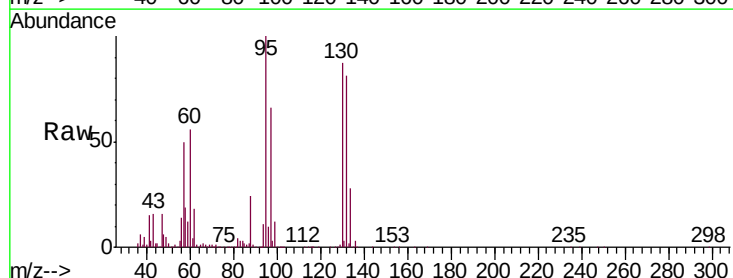
Ion Ratio Lower Upper

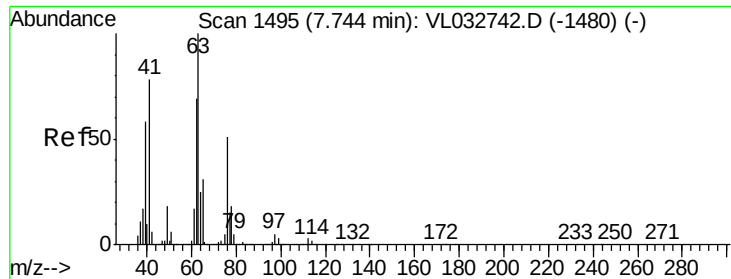
130 100

95 115.7 87.7 131.5

132 94.1 74.6 111.8

97 76.0 58.3 87.5





#39

1,2-Dichloropropane

Concen: 9.822 ppbv

RT: 7.75 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS04

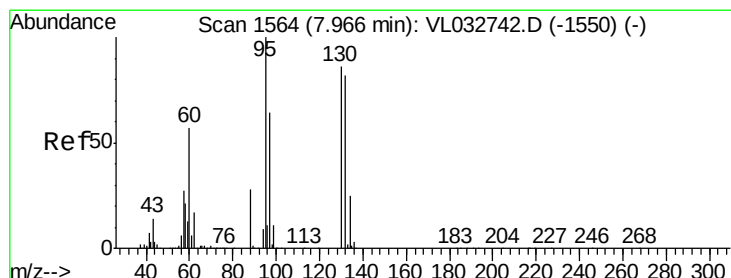
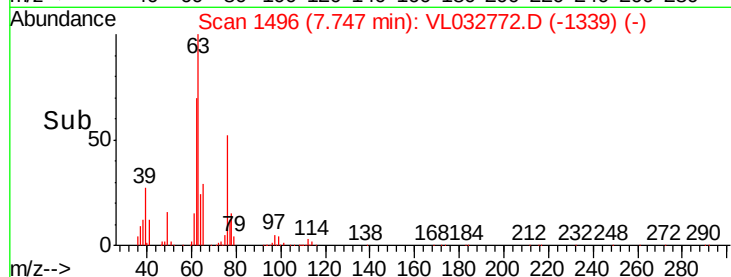
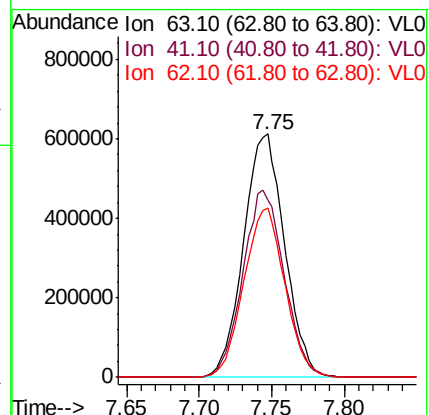
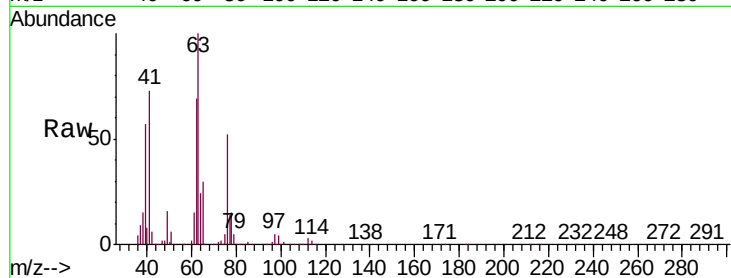
Tgt Ion: 63 Resp: 1206499

Ion Ratio Lower Upper

63 100

41 72.7 62.0 93.0

62 69.3 55.4 83.2



#40

1,4-Dioxane

Concen: 10.382 ppbv

RT: 7.96 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Tgt Ion: 88 Resp: 455502

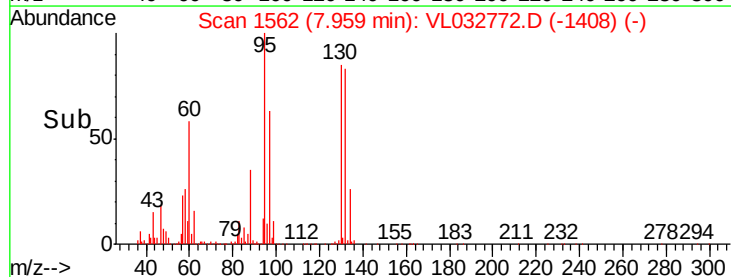
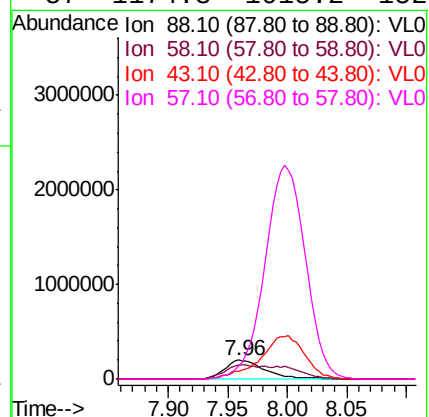
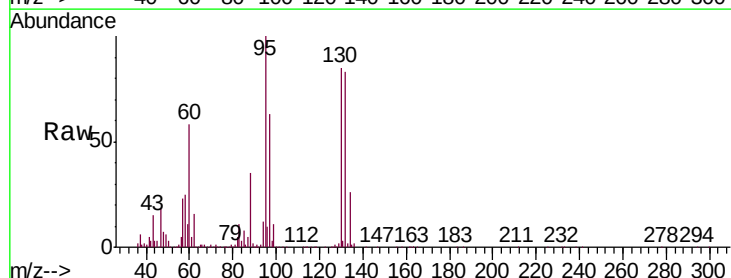
Ion Ratio Lower Upper

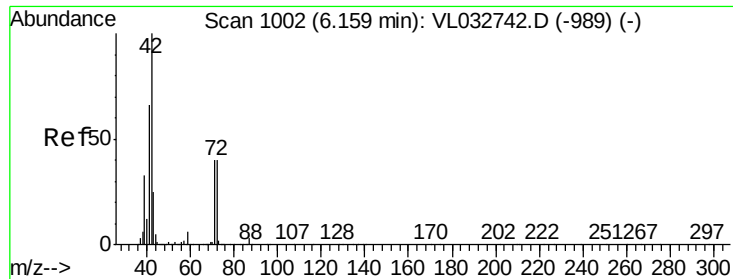
88 100

58 125.8 105.3 157.9

43 261.9 226.1 339.1

57 1174.3 1015.2 1522.8

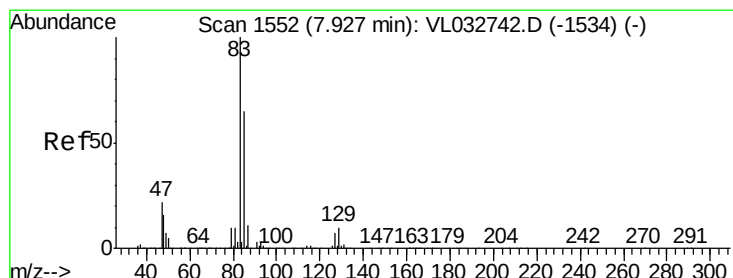
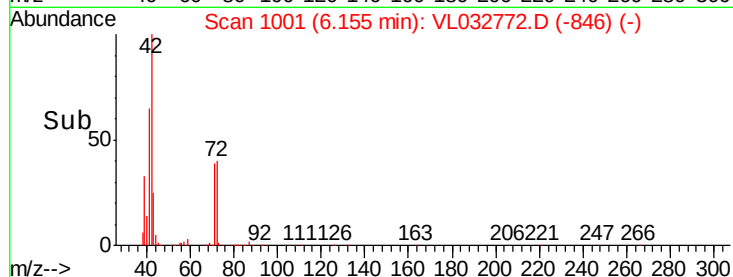
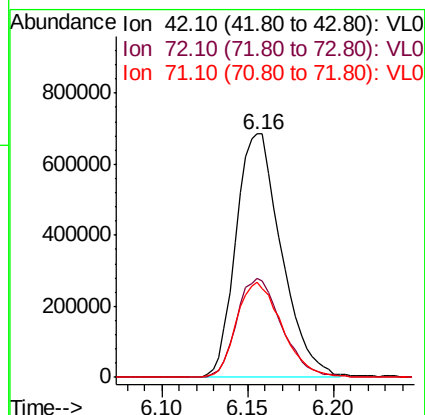
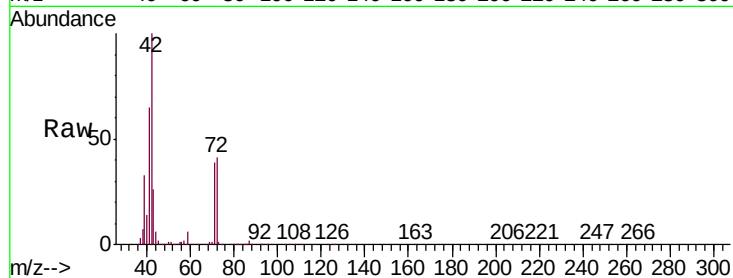




#41
Tetrahydrofuran
Concen: 10.494 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

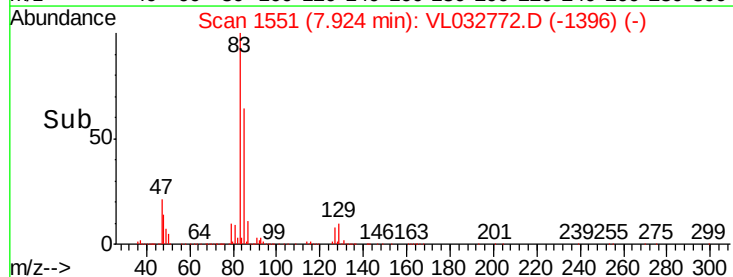
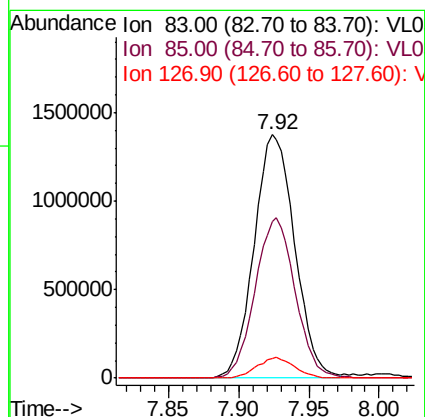
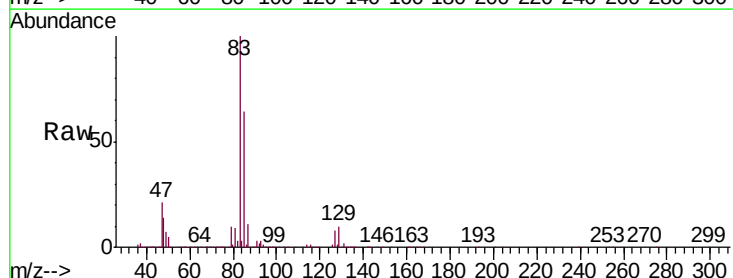
Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS04

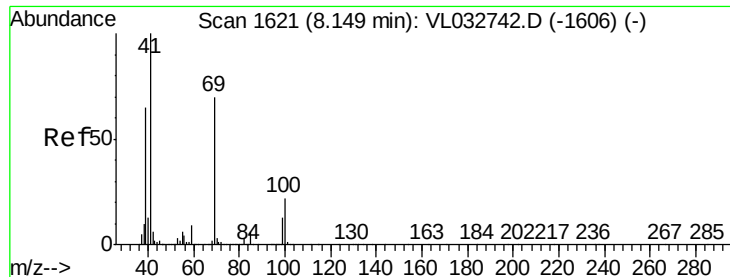
Tgt Ion: 42 Resp: 1264048
Ion Ratio Lower Upper
42 100
72 40.7 32.4 48.6
71 39.2 31.6 47.4



#42
Bromodichloromethane
Concen: 9.411 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

Tgt Ion: 83 Resp: 2768603
Ion Ratio Lower Upper
83 100
85 64.4 51.8 77.8
127 7.8 5.9 8.9

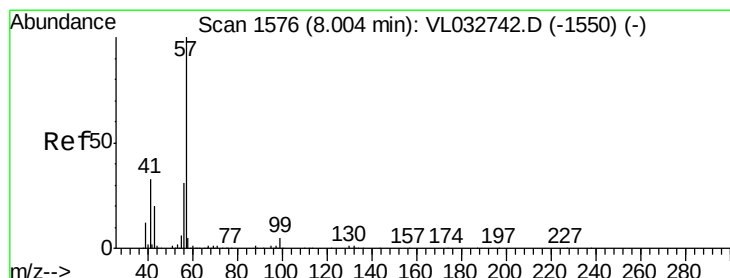
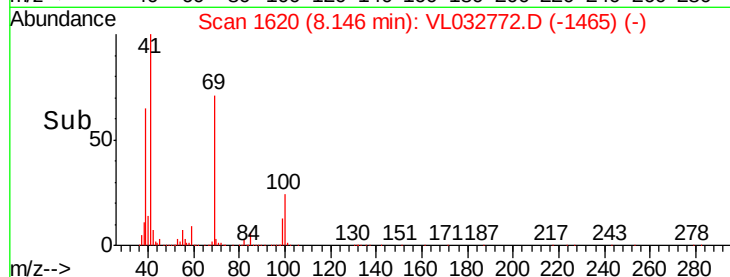
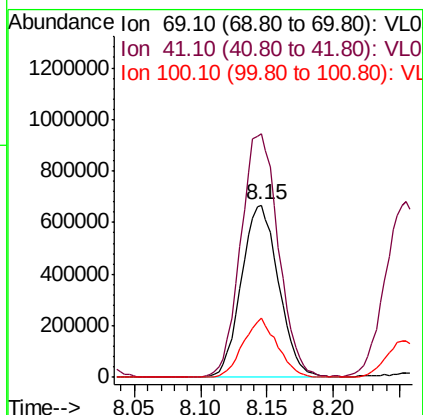
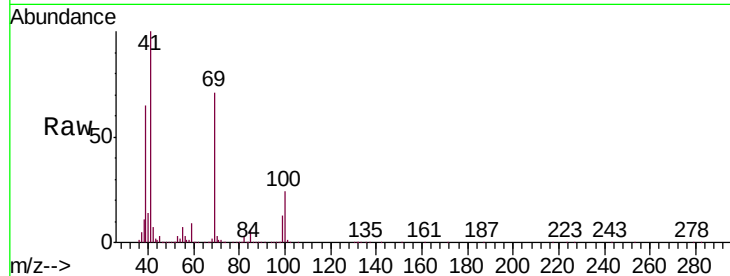




#43
Methyl Methacrylate
Concen: 10.834 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

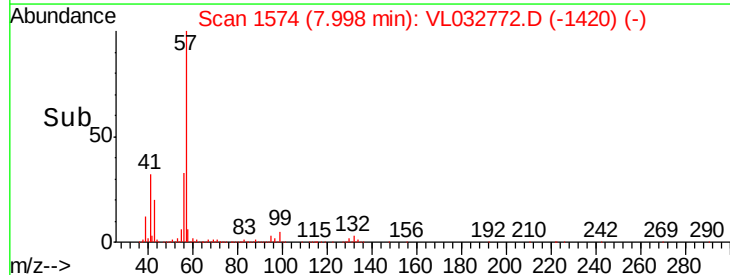
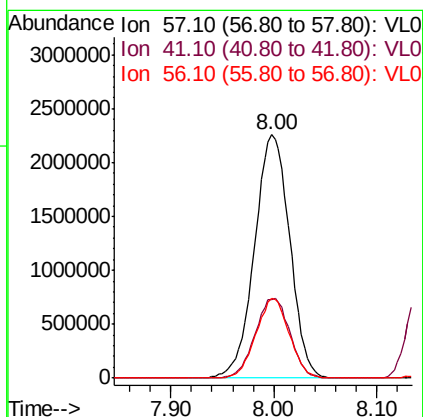
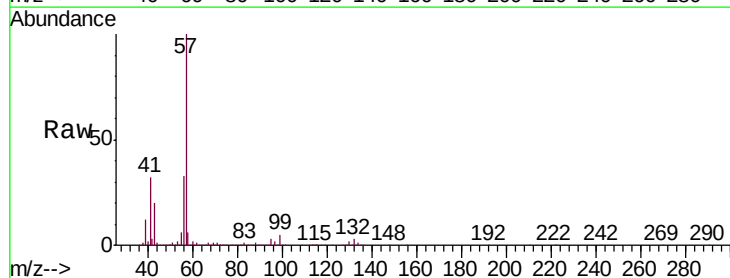
Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS04

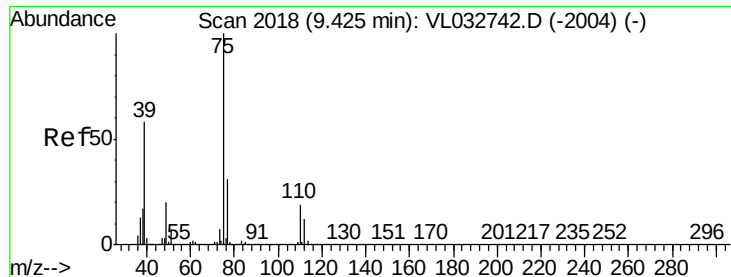
Tgt Ion: 69 Resp: 1304020
Ion Ratio Lower Upper
69 100
41 143.0 115.0 172.4
100 31.5 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 9.919 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.01 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

Tgt Ion: 57 Resp: 5343996
Ion Ratio Lower Upper
57 100
41 32.4 26.6 39.8
56 31.0 24.8 37.2





#45

t-1,3-Dichloropropene

Concen: 11.386 ppbv

RT: 9.42 min Scan# 2017

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

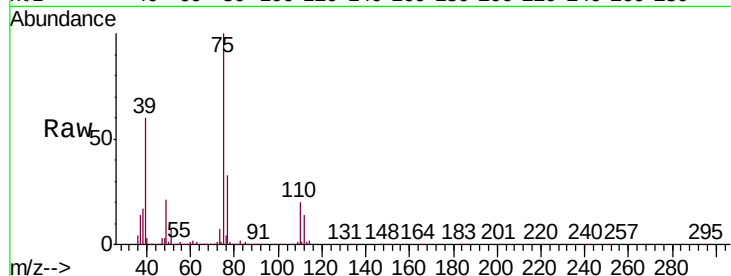
VL1114ABS04

Tgt Ion: 75 Resp: 1838960

Ion Ratio Lower Upper

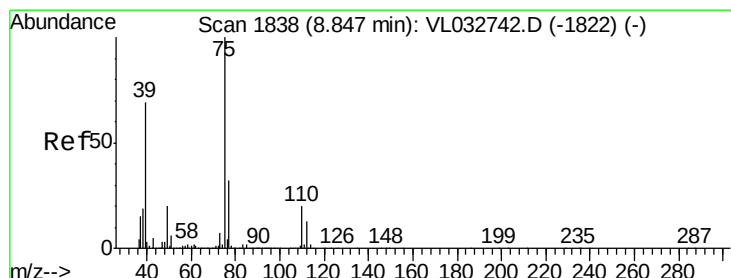
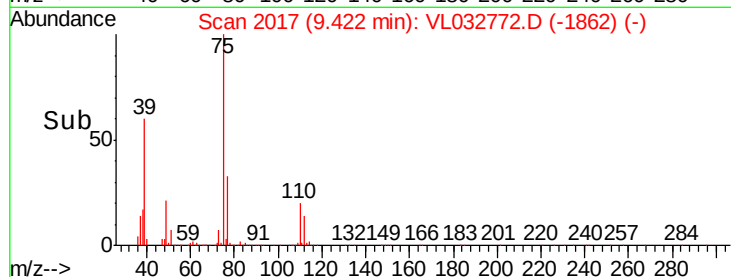
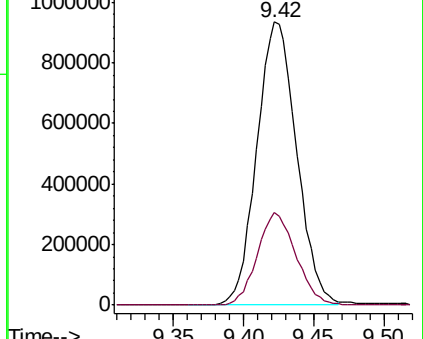
75 100

77 32.7 24.6 36.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.816 ppbv

RT: 8.84 min Scan# 1837

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

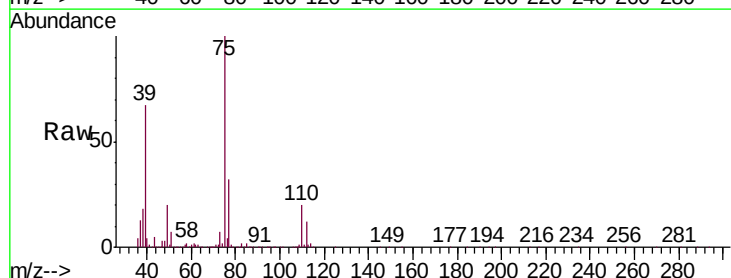
Tgt Ion: 75 Resp: 2110482

Ion Ratio Lower Upper

75 100

39 67.0 55.2 82.8

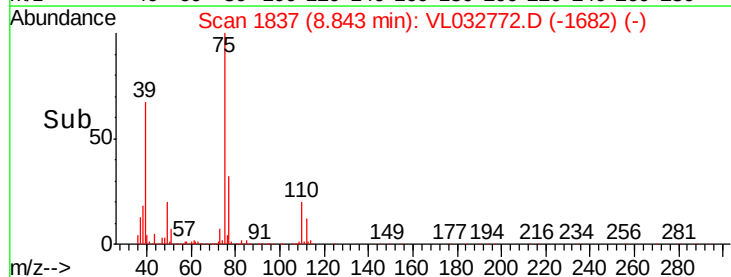
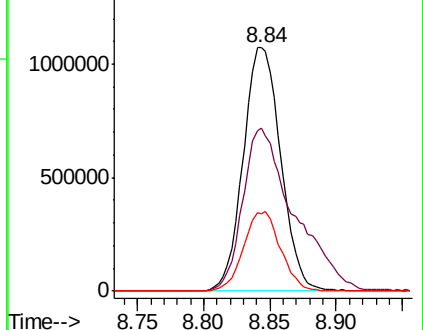
77 31.8 25.8 38.6

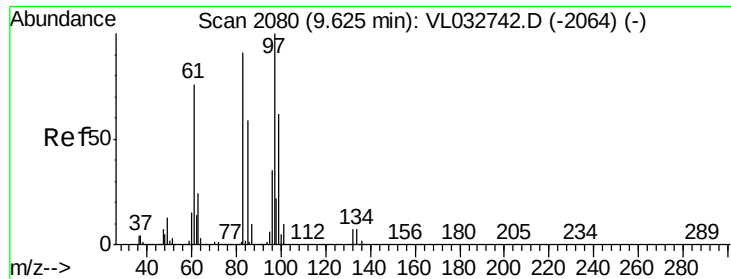


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



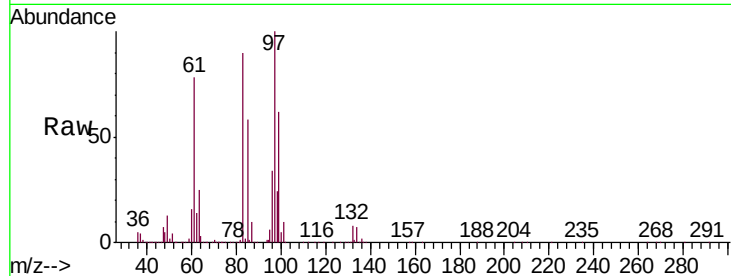


#47
 1,1,2-Trichloroethane
 Concen: 9.506 ppbv
 RT: 9.62 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VL032772.D
 Acq: 14 Nov 2018 23:40

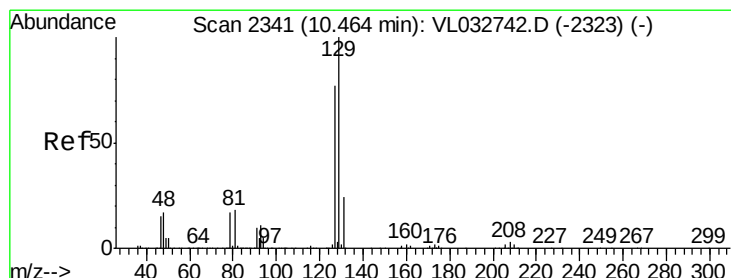
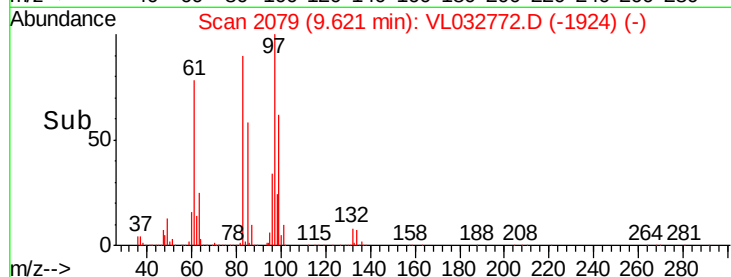
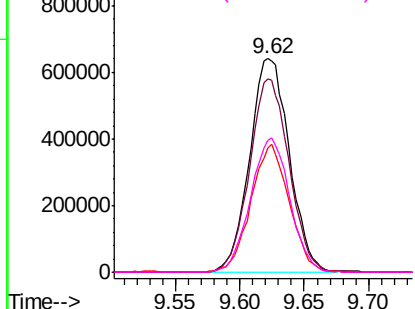
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1114ABS04

Tgt Ion: 97 Resp: 1380779

Ion	Ratio	Lower	Upper
97	100		
83	90.3	73.0	109.4
85	57.8	47.0	70.4
99	61.5	49.9	74.9



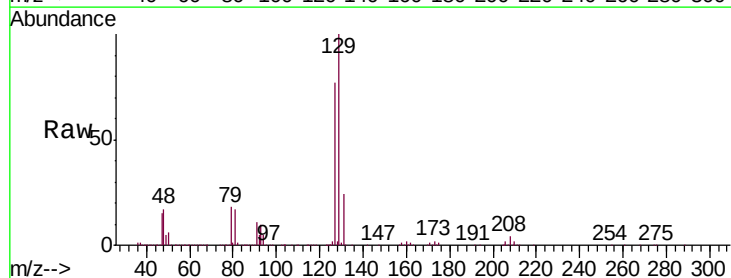
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



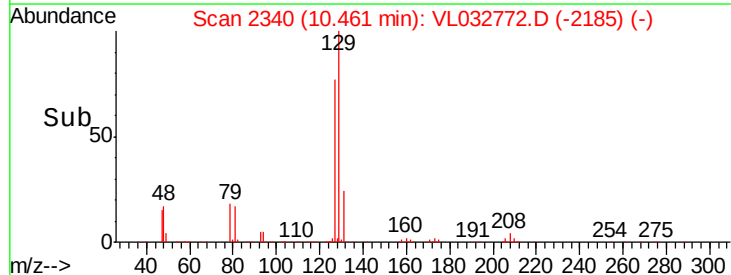
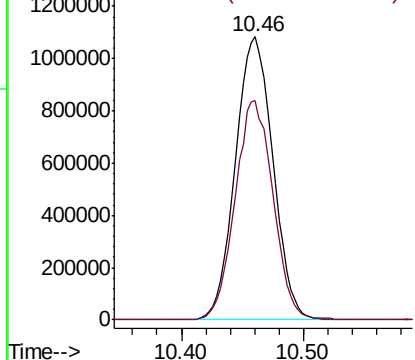
#48
 Dibromochloromethane
 Concen: 9.371 ppbv
 RT: 10.46 min Scan# 2340
 Delta R.T. -0.00 min
 Lab File: VL032772.D
 Acq: 14 Nov 2018 23:40

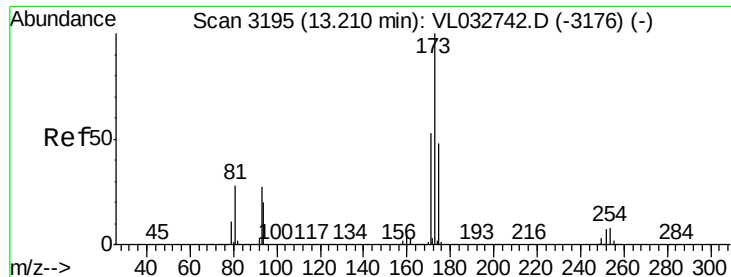
Tgt Ion: 129 Resp: 2313497

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.0	117.0



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





#49

Bromoform

Concen: 8.961 ppbv

RT: 13.21 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS04

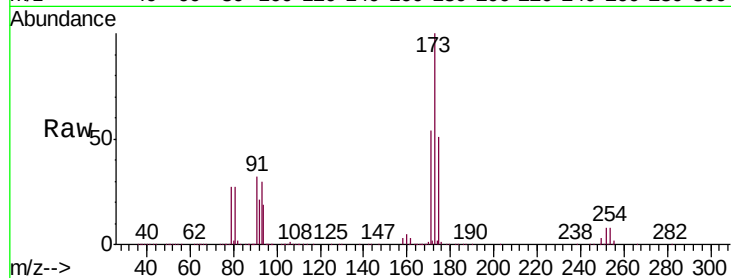
Tgt Ion:173 Resp: 1826993

Ion Ratio Lower Upper

173 100

175 49.1 39.4 59.0

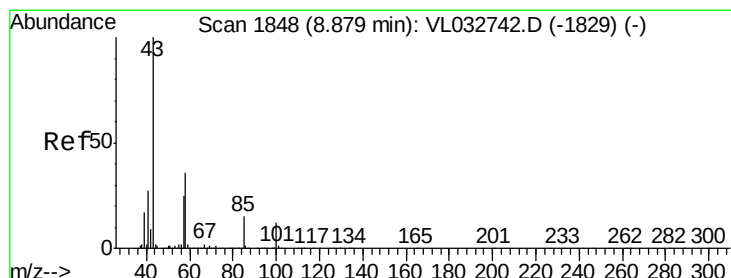
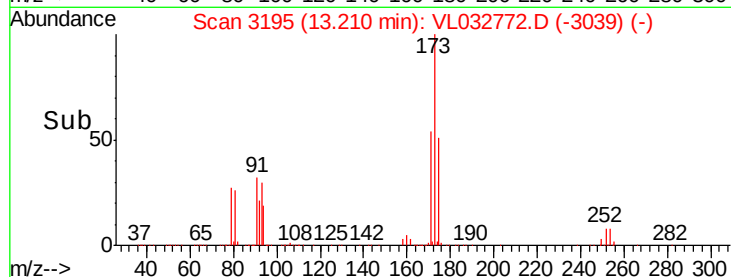
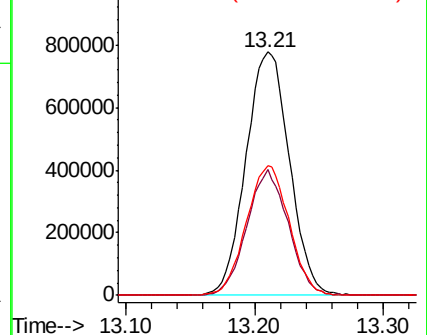
171 52.6 42.0 63.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.998 ppbv

RT: 8.88 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VL032772.D

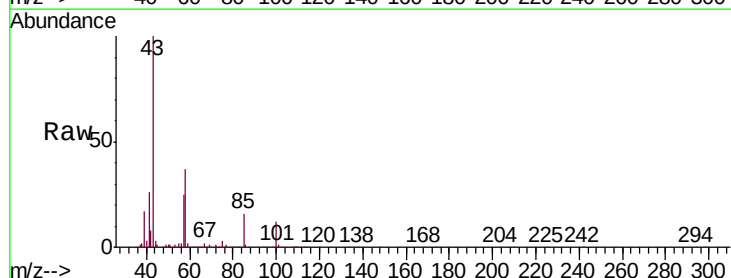
Acq: 14 Nov 2018 23:40

Tgt Ion: 43 Resp: 3279092

Ion Ratio Lower Upper

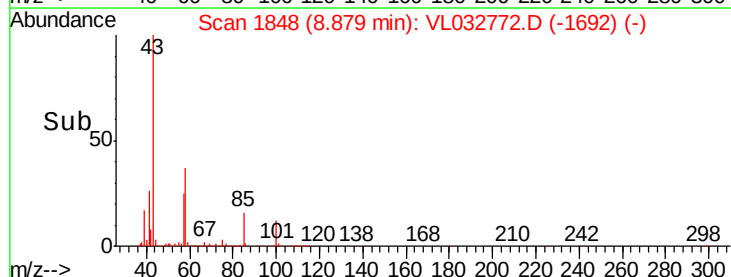
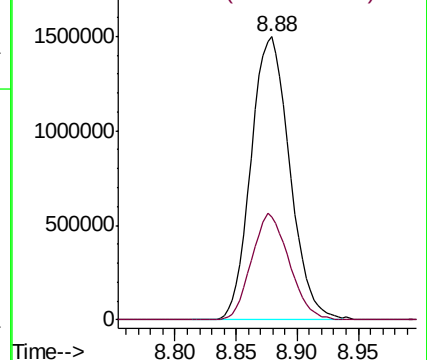
43 100

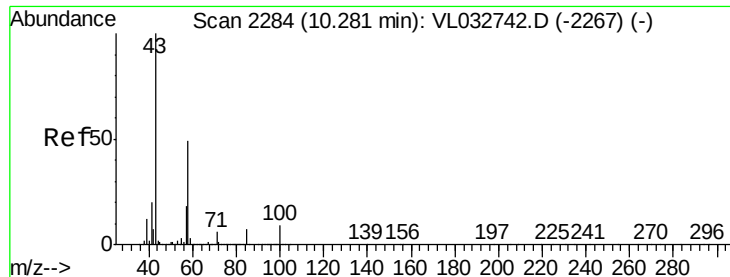
58 36.7 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.987 ppbv

RT: 10.28 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS04

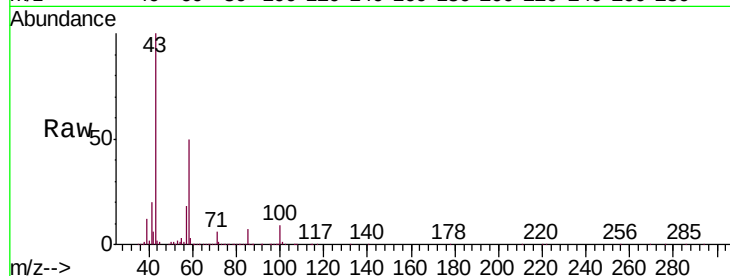
Tgt Ion: 43 Resp: 2321502

Ion Ratio Lower Upper

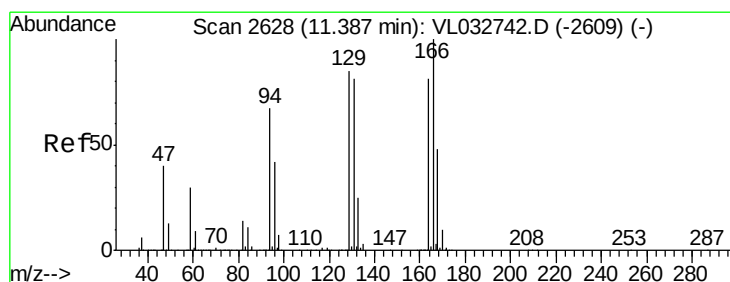
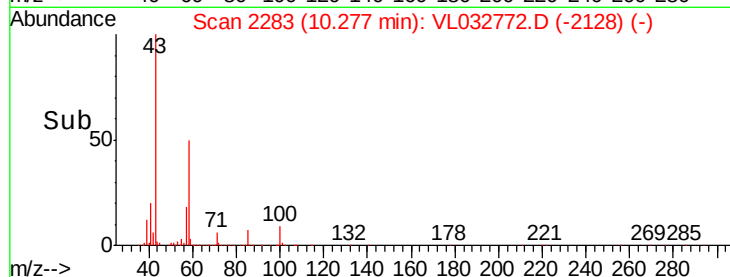
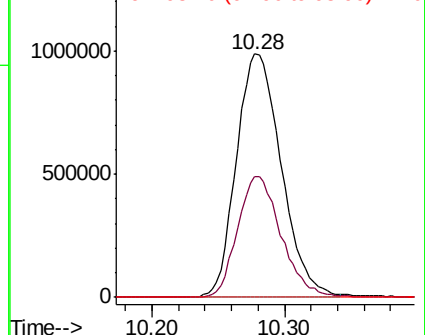
43 100

58 48.5 38.9 58.3

98 0.3 0.2 0.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.847 ppbv

RT: 11.38 min Scan# 2626

Delta R.T. -0.01 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Tgt Ion: 164 Resp: 1104295

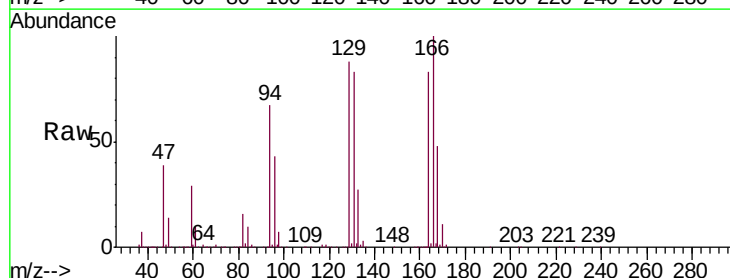
Ion Ratio Lower Upper

164 100

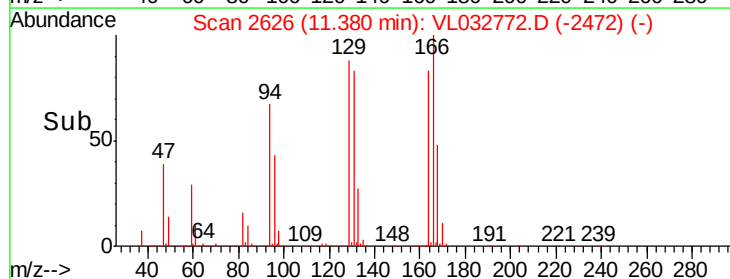
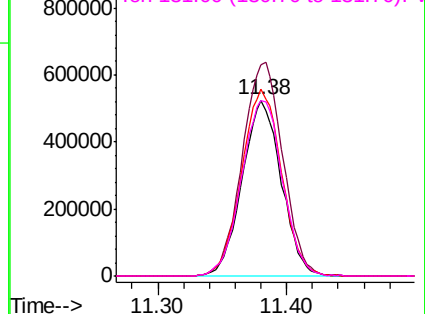
166 120.4 99.3 148.9

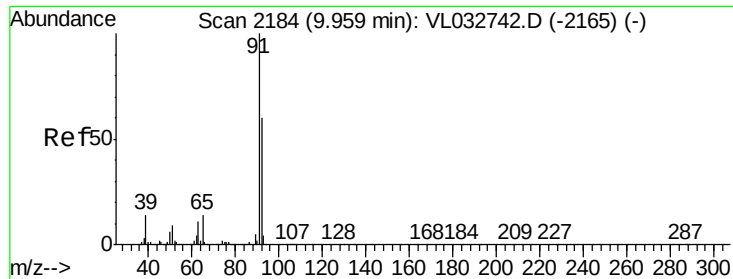
129 106.3 83.9 125.9

131 100.0 80.8 121.2



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.892 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

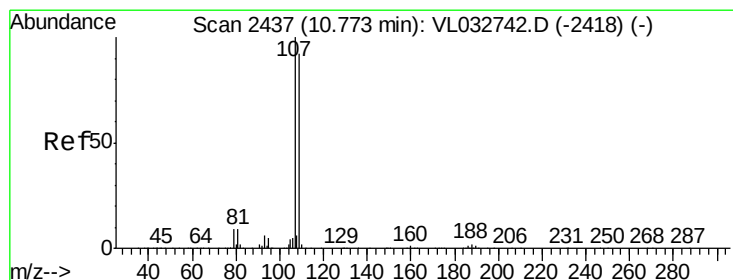
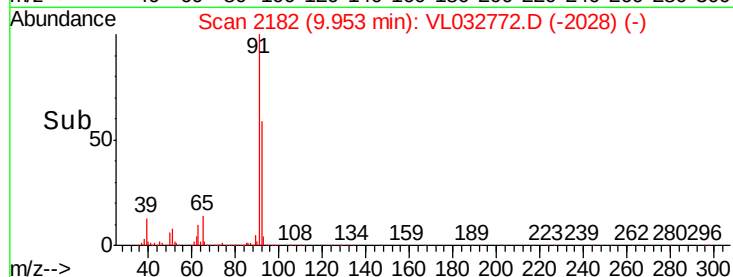
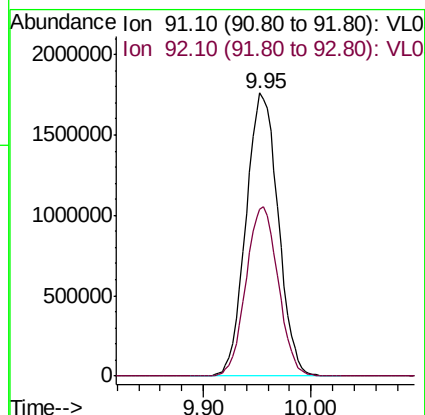
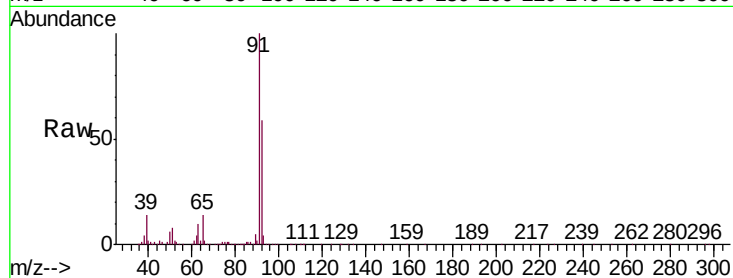
VL1114ABS04

Tgt Ion: 91 Resp: 3663244

Ion Ratio Lower Upper

91 100

92 59.8 47.9 71.9



#54

1,2-Dibromoethane

Concen: 9.709 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. -0.01 min

Lab File: VL032772.D

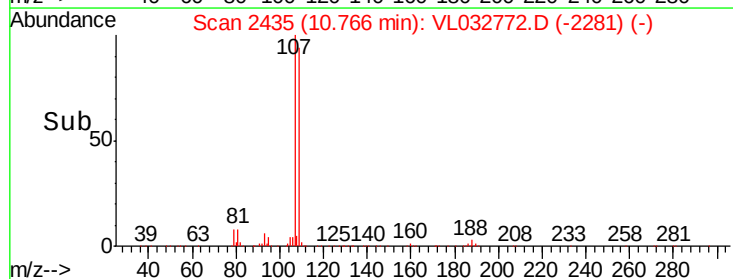
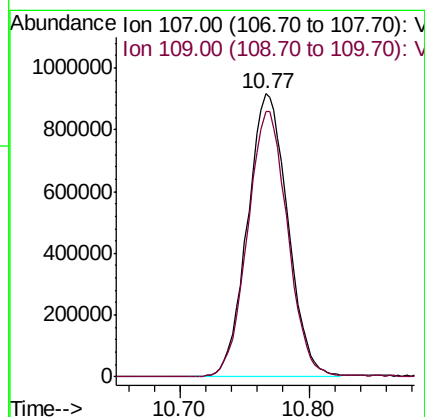
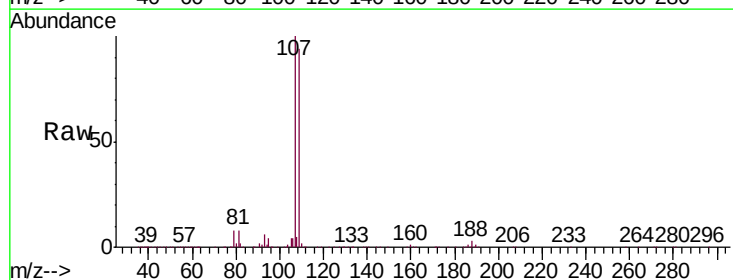
Acq: 14 Nov 2018 23:40

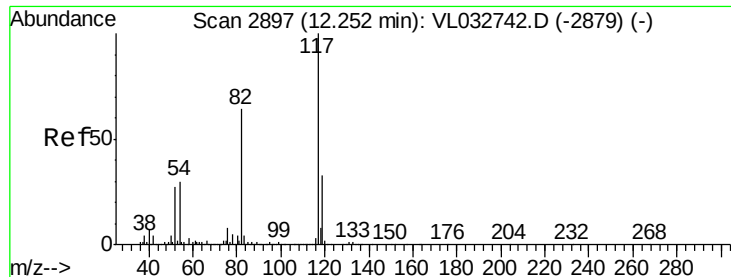
Tgt Ion: 107 Resp: 1993508

Ion Ratio Lower Upper

107 100

109 93.9 73.8 110.8

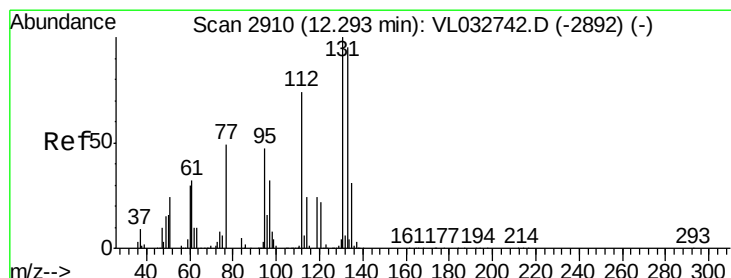
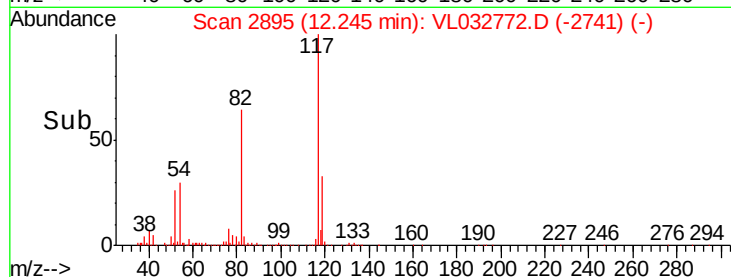
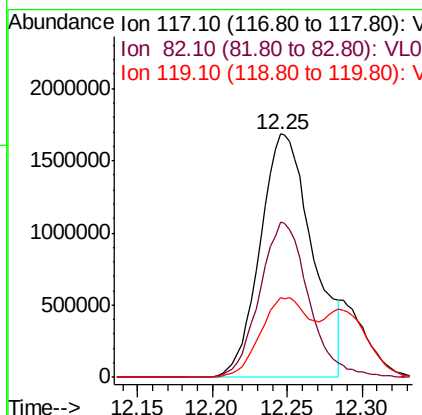
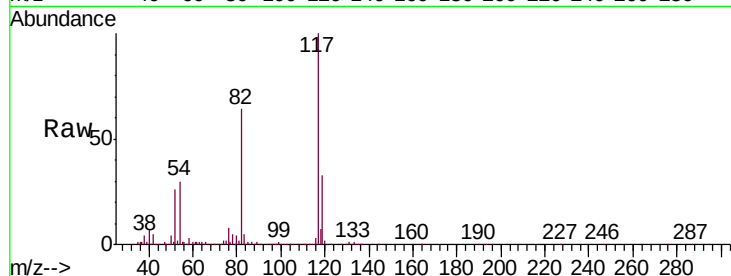




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

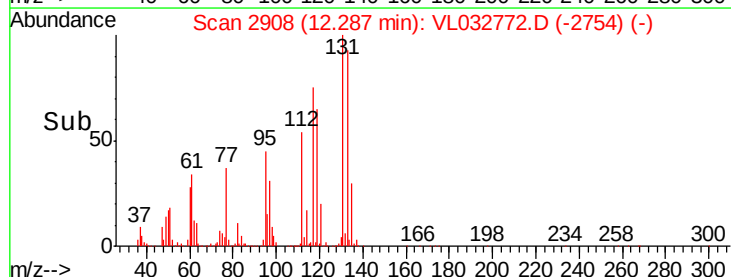
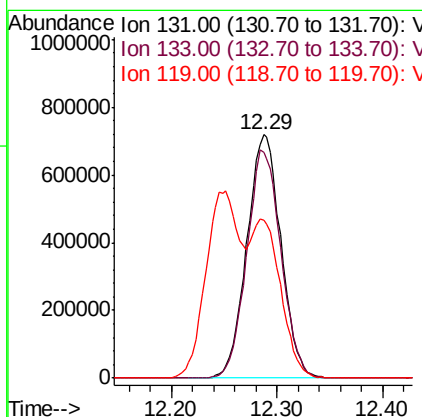
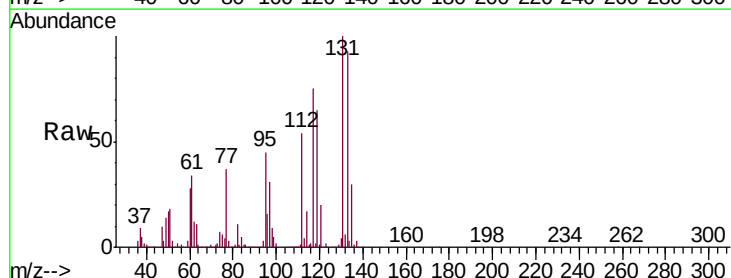
Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS04

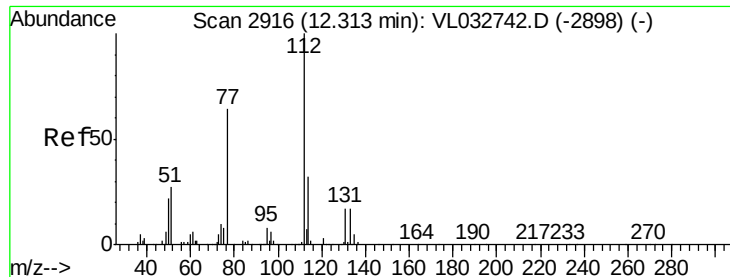
Tgt Ion:117 Resp: 4100684
Ion Ratio Lower Upper
117 100
82 59.9 51.0 76.6
119 29.5 28.0 42.0



#56
1,1,1,2-Tetrachloroethane
Concen: 8.436 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. -0.01 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

Tgt Ion:131 Resp: 1613519
Ion Ratio Lower Upper
131 100
133 94.4 75.8 113.6
119 57.7 45.2 67.8





#57

Chlorobenzene

Concen: 8.560 ppbv

RT: 12.31 min Scan# 2914

Delta R.T. -0.01 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS04

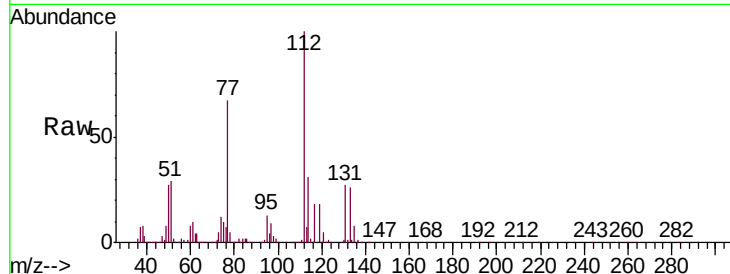
Tgt Ion: 112 Resp: 2687173

Ion Ratio Lower Upper

112 100

77 66.5 52.3 78.5

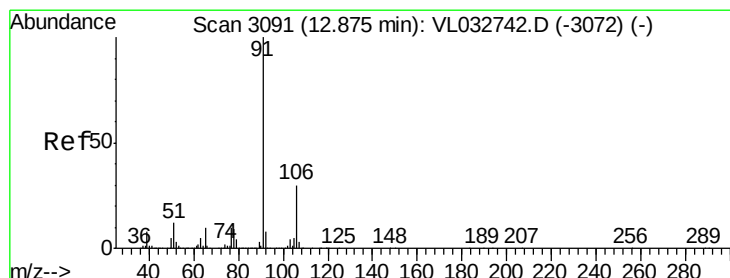
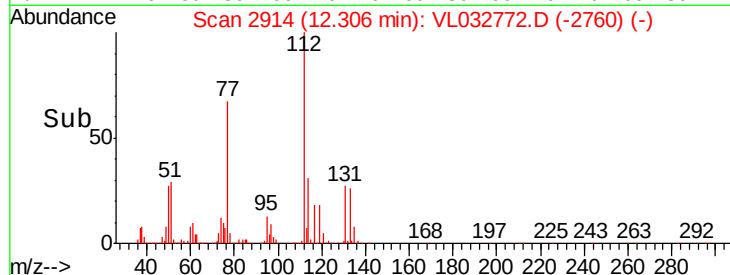
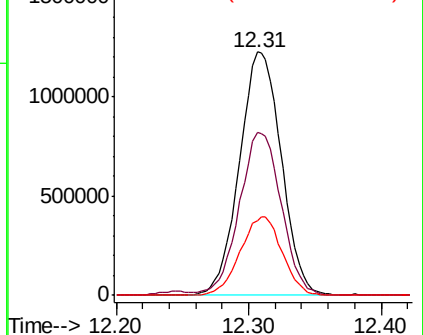
114 30.9 28.4 34.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.764 ppbv

RT: 12.87 min Scan# 3090

Delta R.T. -0.00 min

Lab File: VL032772.D

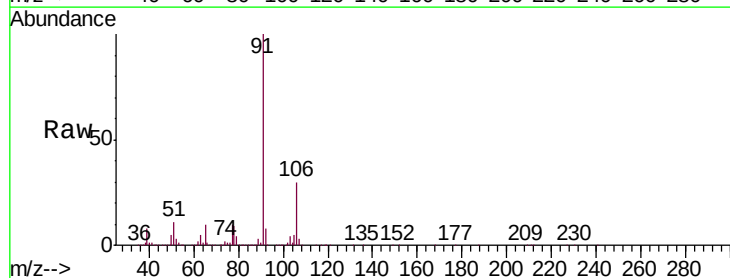
Acq: 14 Nov 2018 23:40

Tgt Ion: 91 Resp: 4818690

Ion Ratio Lower Upper

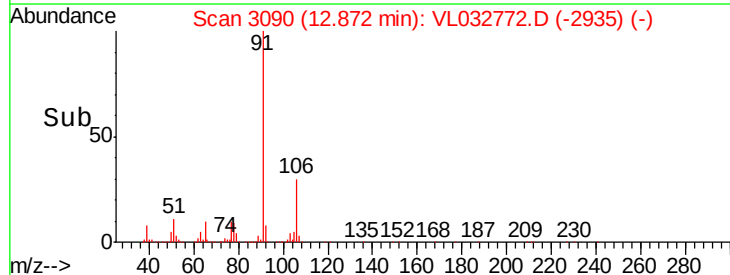
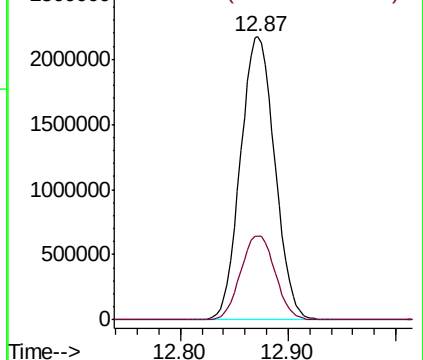
91 100

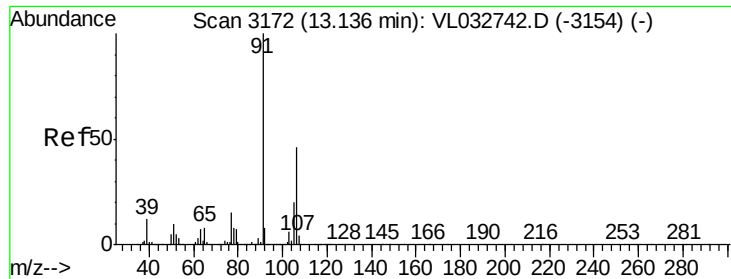
106 29.5 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 9.548 ppbv

RT: 13.14 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

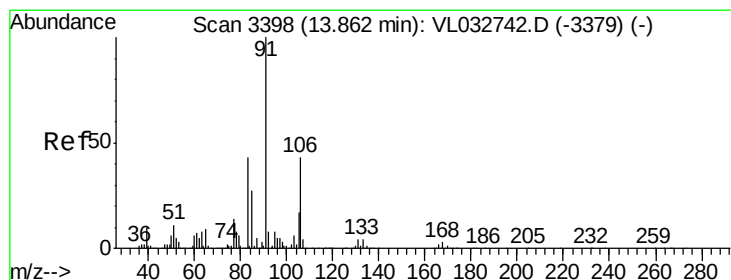
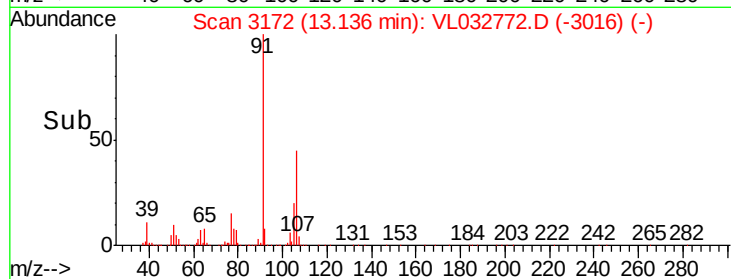
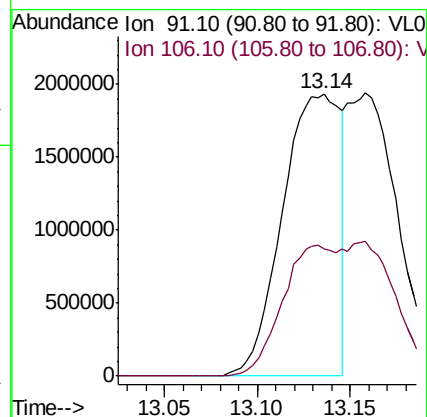
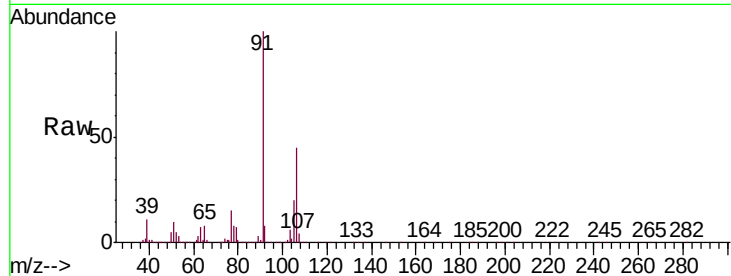
VL1114ABS04

Tgt Ion: 91 Resp: 4194569

Ion Ratio Lower Upper

91 100

106 0.0 36.1 54.1#



#60

o-Xylene

Concen: 8.725 ppbv

RT: 13.86 min Scan# 3396

Delta R.T. -0.01 min

Lab File: VL032772.D

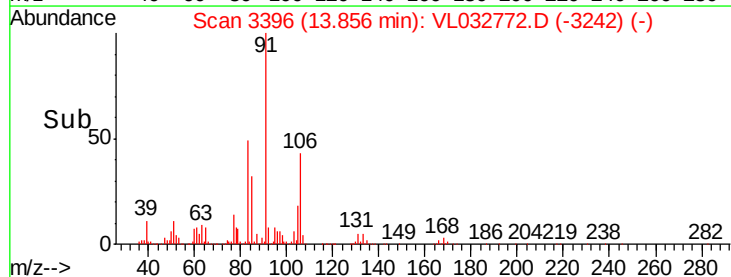
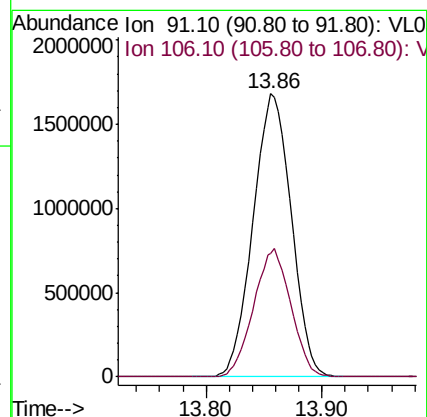
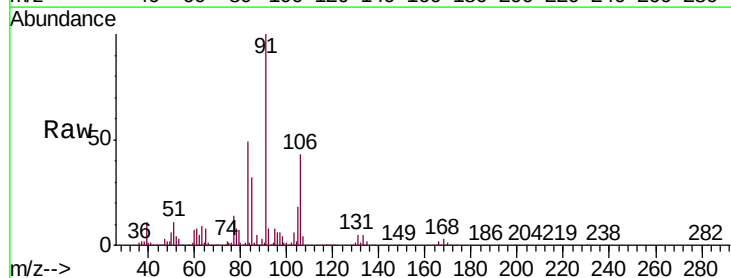
Acq: 14 Nov 2018 23:40

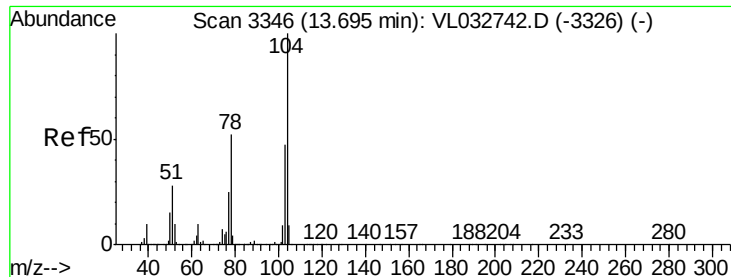
Tgt Ion: 91 Resp: 3854288

Ion Ratio Lower Upper

91 100

106 44.1 21.9 65.7





#61

Styrene

Concen: 10.132 ppbv

RT: 13.69 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS04

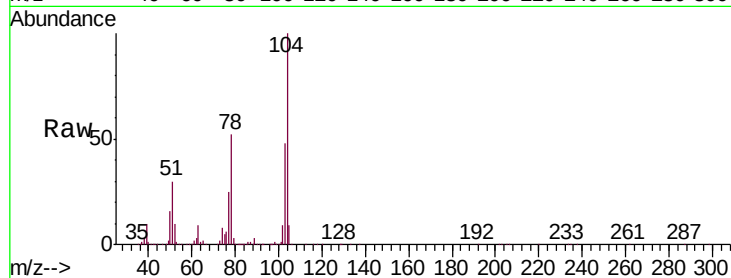
Tgt Ion:104 Resp: 2913468

Ion Ratio Lower Upper

104 100

78 52.4 42.2 63.4

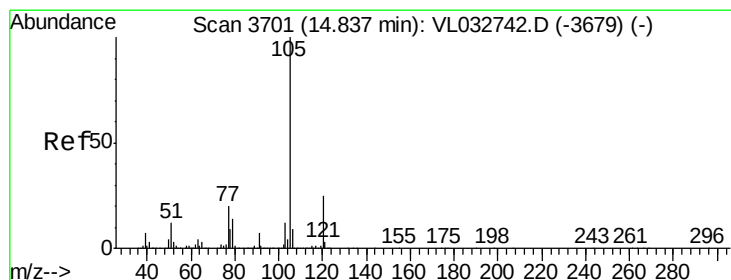
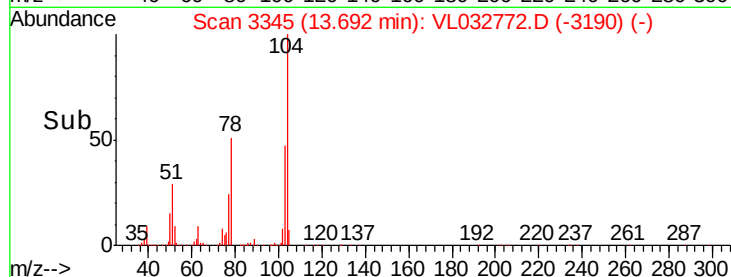
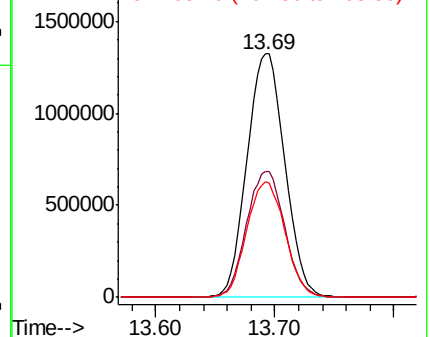
103 48.0 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.002 ppbv

RT: 14.83 min Scan# 3700

Delta R.T. -0.00 min

Lab File: VL032772.D

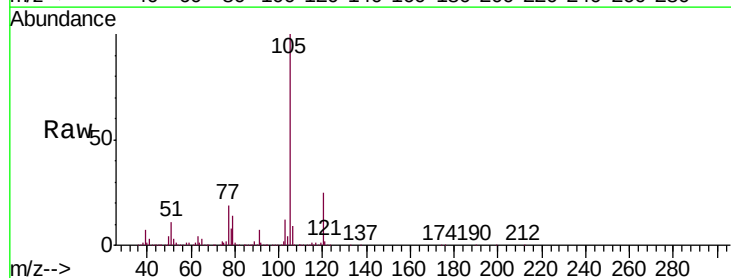
Acq: 14 Nov 2018 23:40

Tgt Ion:105 Resp: 5374777

Ion Ratio Lower Upper

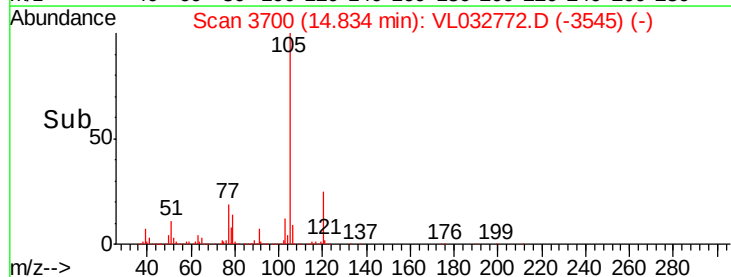
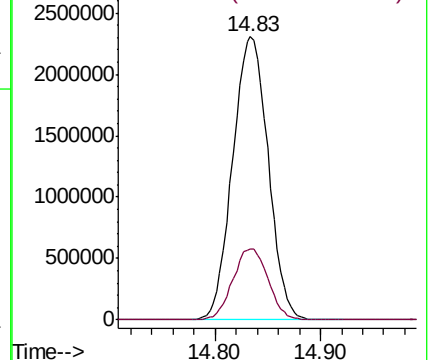
105 100

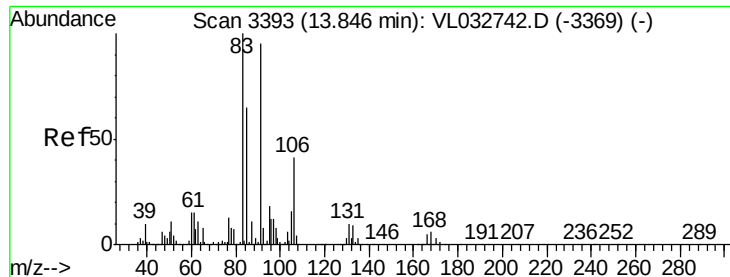
120 25.1 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

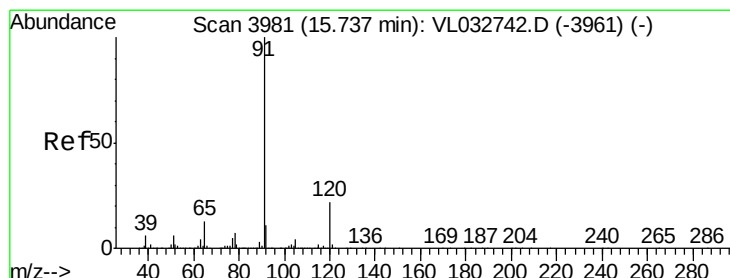
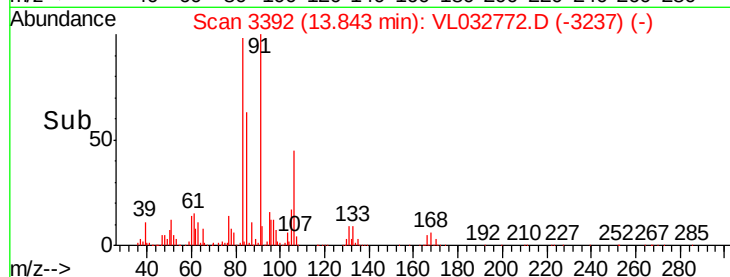
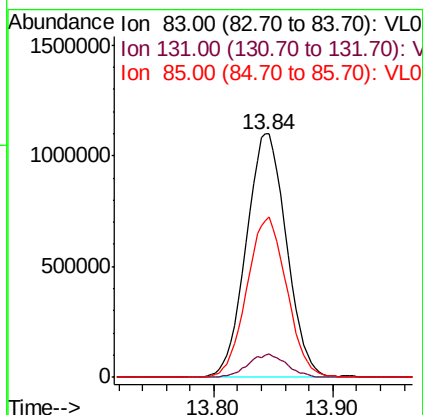
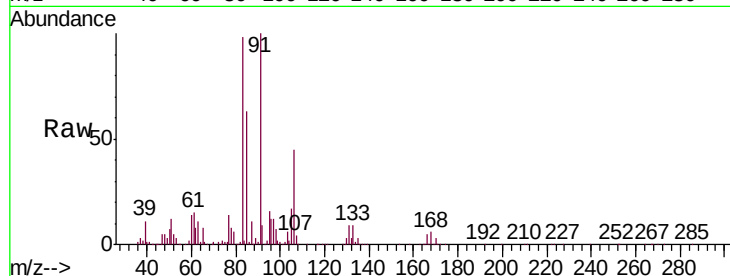




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.473 ppbv
 RT: 13.84 min Scan# 3392
 Delta R.T. -0.00 min
 Lab File: VL032772.D
 Acq: 14 Nov 2018 23:40

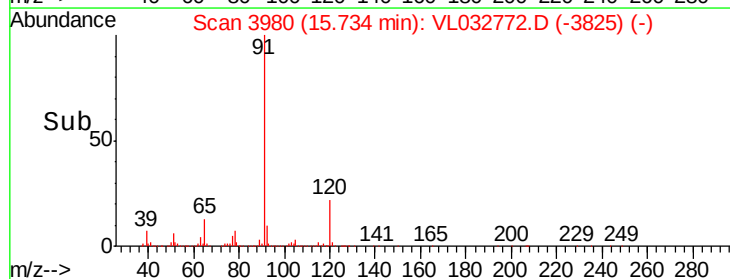
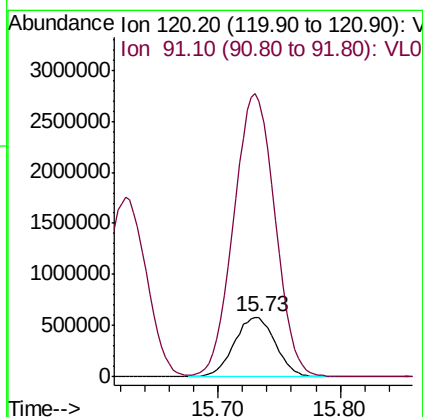
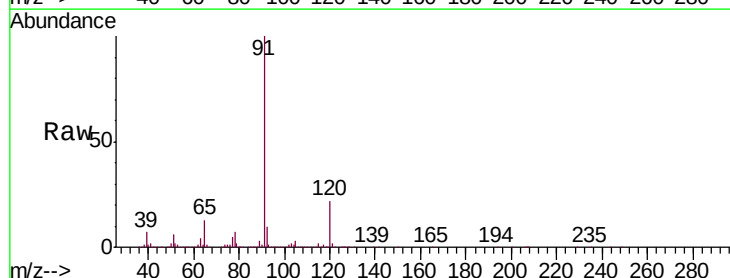
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1114ABS04

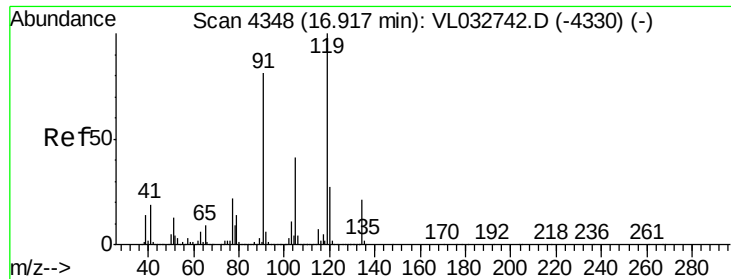
Tgt Ion: 83 Resp: 2573254
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.1
 85 65.3 32.5 97.4



#64
 n-propylbenzene
 Concen: 8.668 ppbv
 RT: 15.73 min Scan# 3980
 Delta R.T. -0.00 min
 Lab File: VL032772.D
 Acq: 14 Nov 2018 23:40

Tgt Ion: 120 Resp: 1361352
 Ion Ratio Lower Upper
 120 100
 91 478.7 381.7 572.5

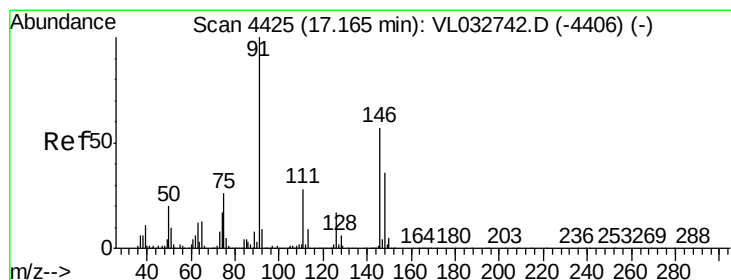
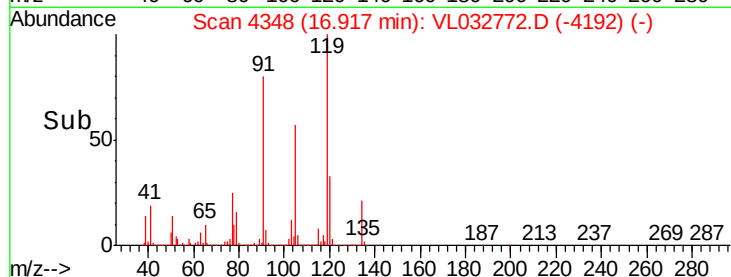
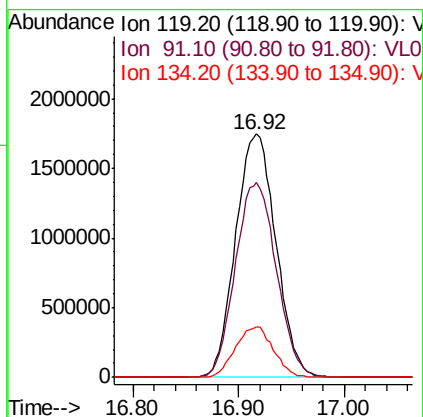
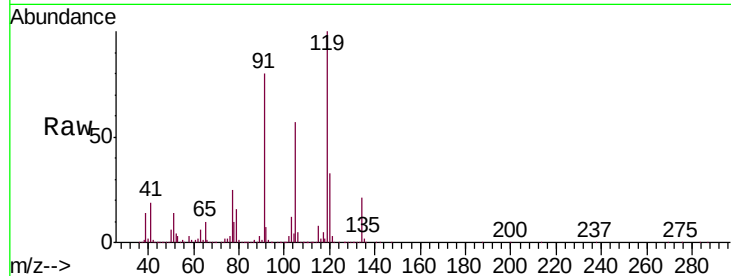




#65
tert-Butylbenzene
Concen: 8.657 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. 0.00 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

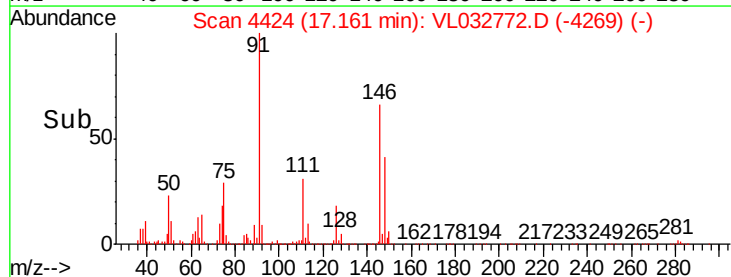
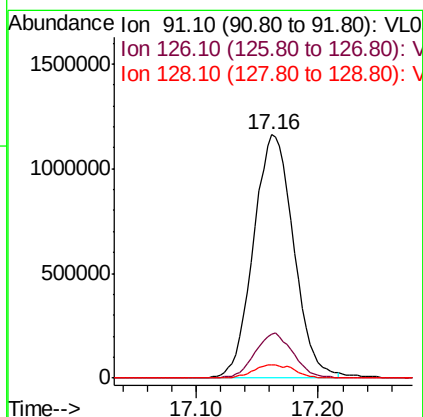
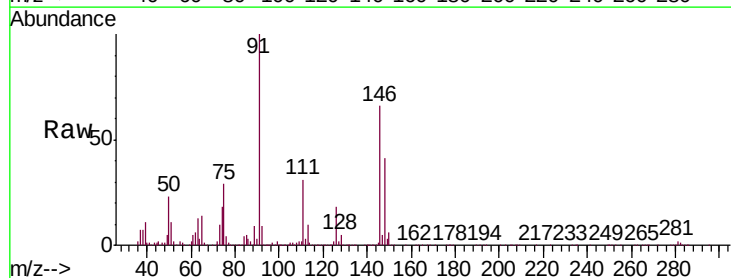
Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS04

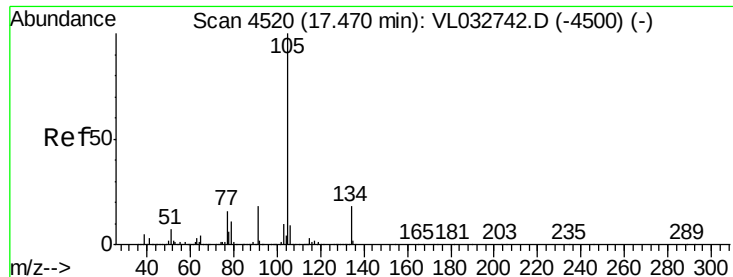
Tgt Ion: 119 Resp: 4633343
Ion Ratio Lower Upper
119 100
91 81.7 65.6 98.4
134 19.7 15.9 23.9



#66
Benzyl Chloride
Concen: 8.947 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL032772.D
Acq: 14 Nov 2018 23:40

Tgt Ion: 91 Resp: 2647642
Ion Ratio Lower Upper
91 100
126 17.9 14.2 21.2
128 5.7 4.5 6.7





#67

sec-Butylbenzene

Concen: 8.541 ppbv

RT: 17.47 min Scan# 4519

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

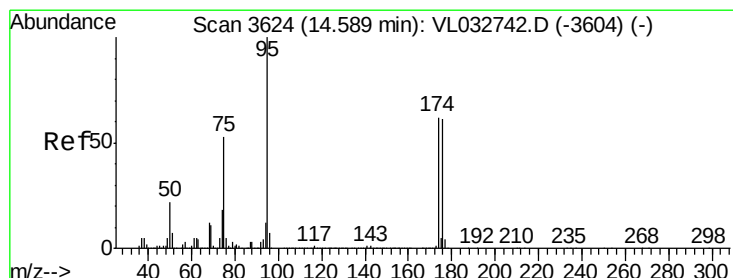
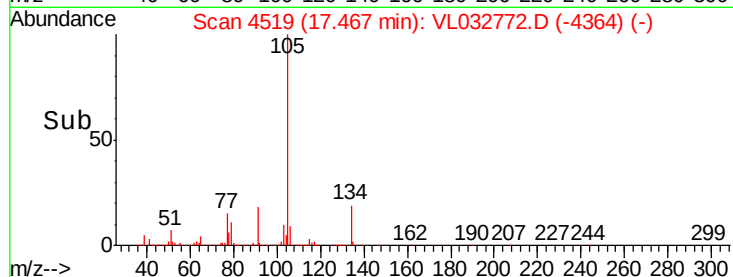
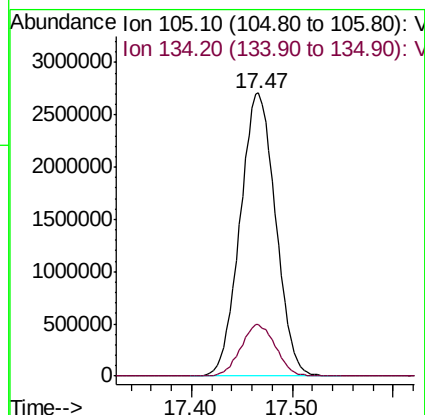
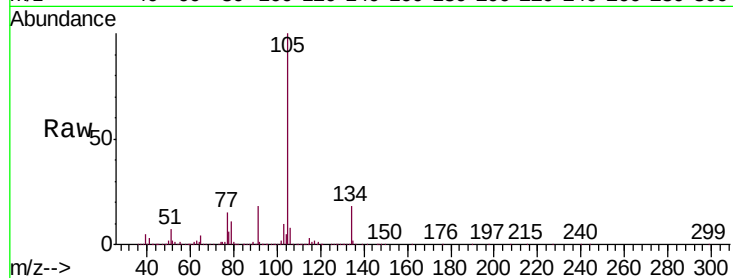
VL1114ABS04

Tgt Ion:105 Resp: 6588153

Ion Ratio Lower Upper

105 100

134 18.0 14.6 21.8



#68

1-Bromo-4-Fluorobenzene

Concen: 9.391 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

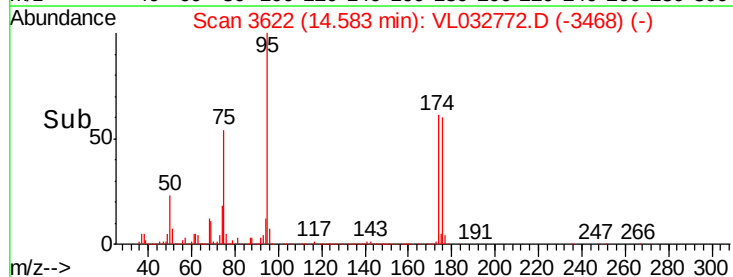
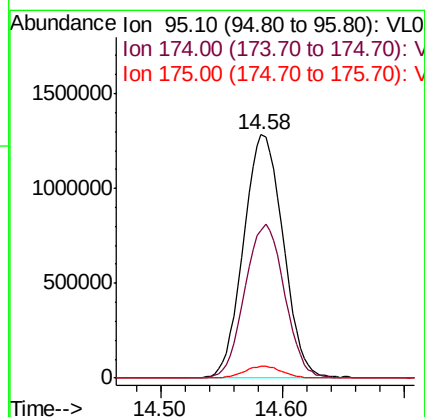
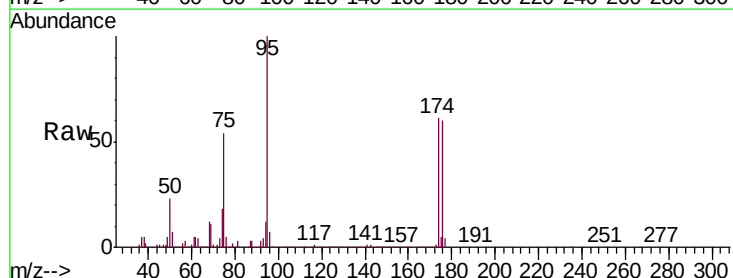
Tgt Ion: 95 Resp: 2880182

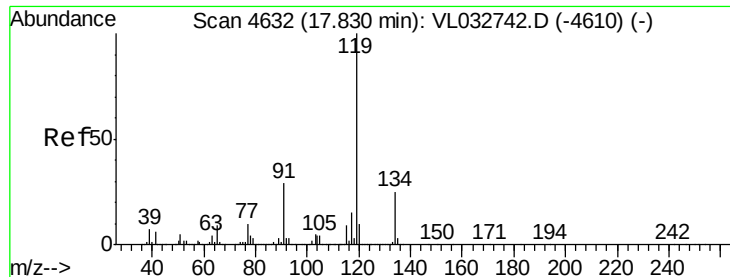
Ion Ratio Lower Upper

95 100

174 63.3 50.7 76.1

175 4.7 3.8 5.6

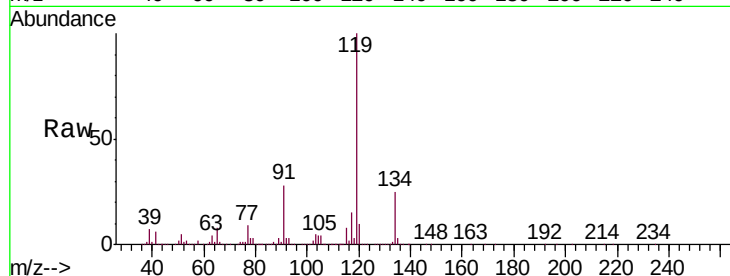




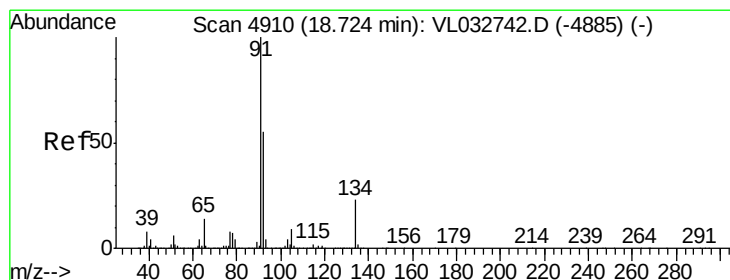
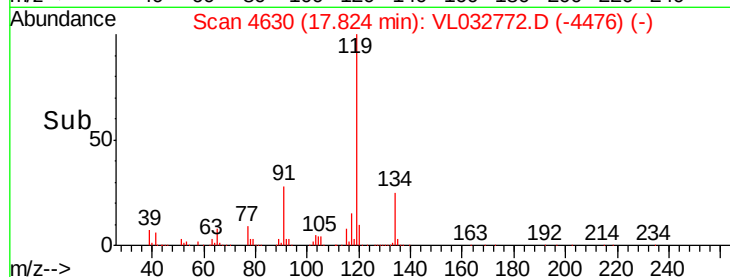
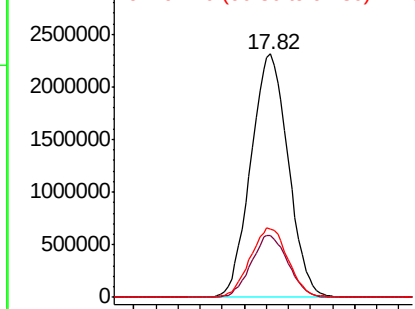
#69
 p-Isopropyltoluene
 Concen: 8.877 ppbv
 RT: 17.82 min Scan# 4630
 Delta R.T. -0.01 min
 Lab File: VL032772.D
 Acq: 14 Nov 2018 23:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1114ABS04

Tgt Ion: 119 Resp: 5444329
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.2 30.4
 91 28.9 23.5 35.3

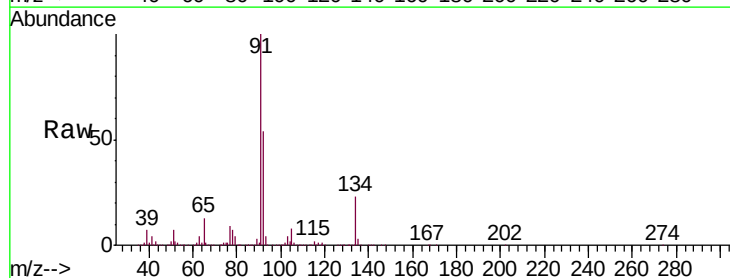


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

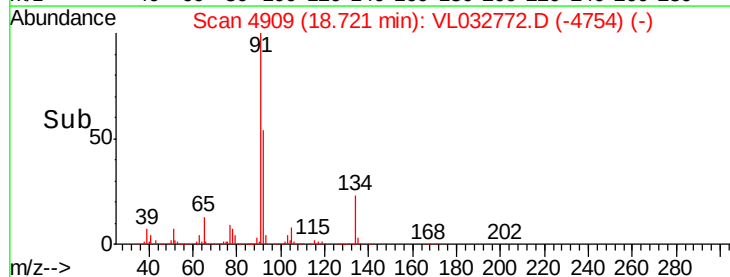
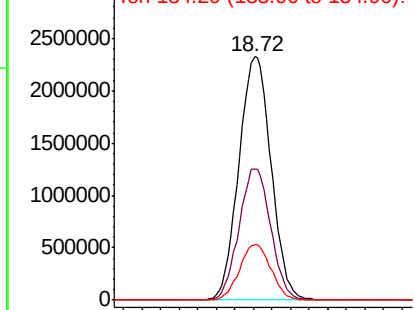


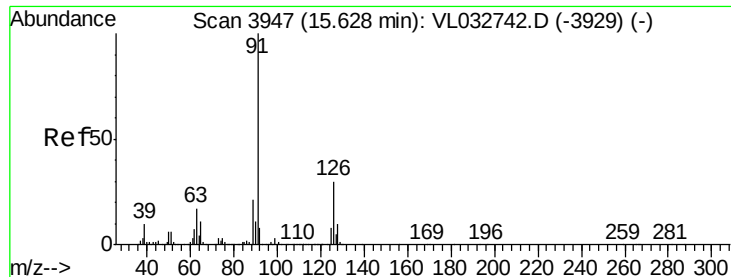
#70
 n-Butylbenzene
 Concen: 8.997 ppbv
 RT: 18.72 min Scan# 4909
 Delta R.T. -0.00 min
 Lab File: VL032772.D
 Acq: 14 Nov 2018 23:40

Tgt Ion: 91 Resp: 5603105
 Ion Ratio Lower Upper
 91 100
 92 53.3 42.9 64.3
 134 22.3 17.8 26.8



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: 9.053 ppbv

RT: 15.62 min Scan# 3946

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

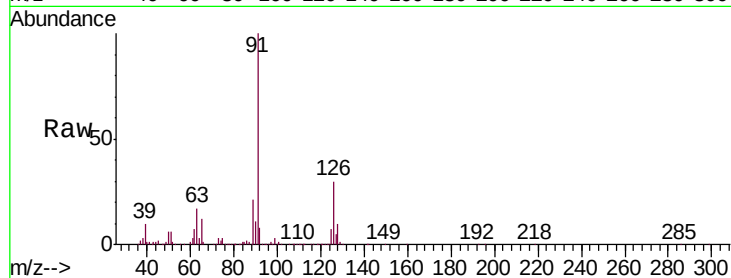
VL1114ABS04

Tgt Ion: 91 Resp: 4030990

Ion Ratio Lower Upper

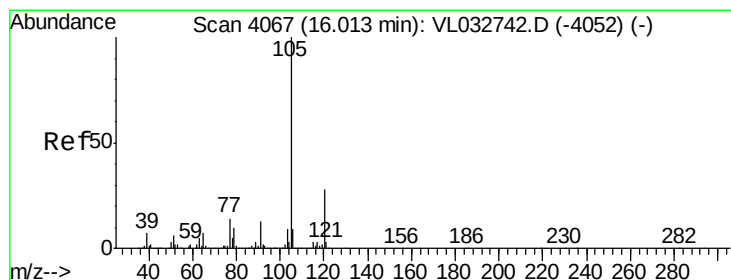
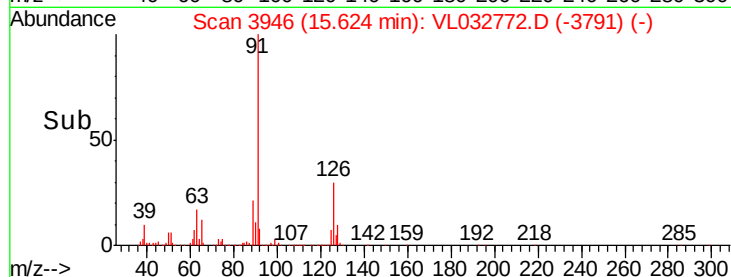
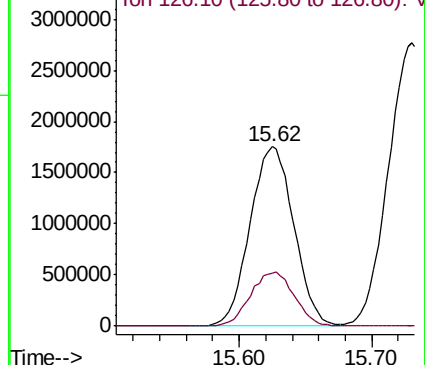
91 100

126 30.3 12.1 48.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.024 ppbv

RT: 16.01 min Scan# 4065

Delta R.T. -0.01 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Tgt Ion: 105 Resp: 4369482

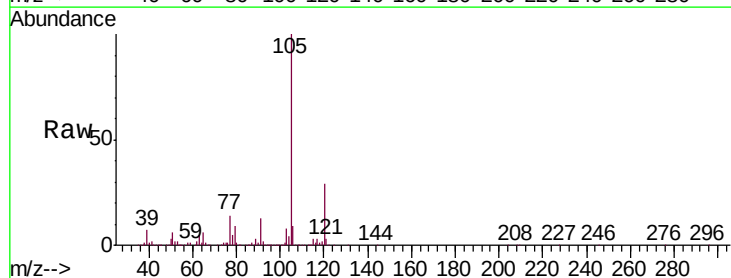
Ion Ratio Lower Upper

105 100

120 28.5 22.9 34.3

91 13.1 10.6 15.8

77 13.9 11.4 17.2

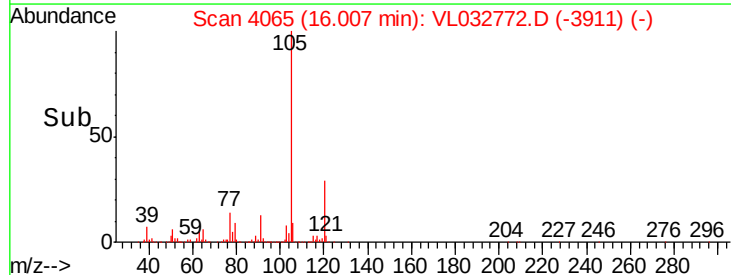
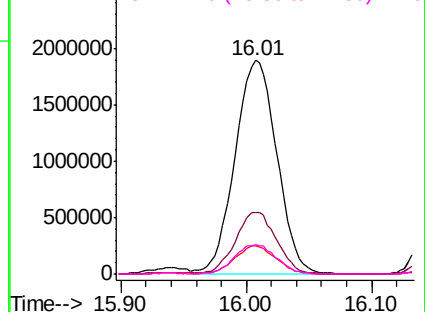


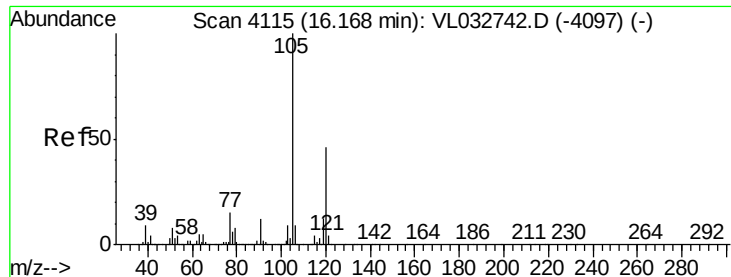
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.724 ppbv

RT: 16.17 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

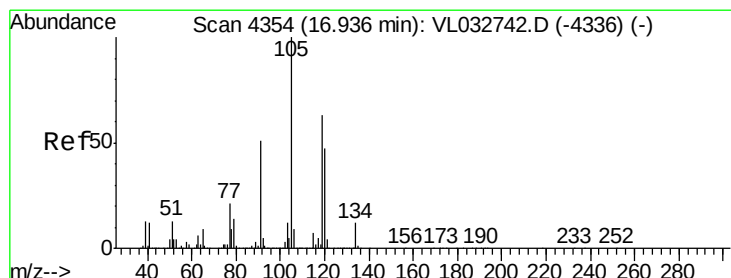
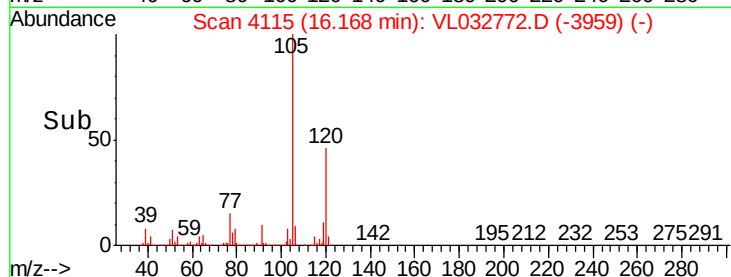
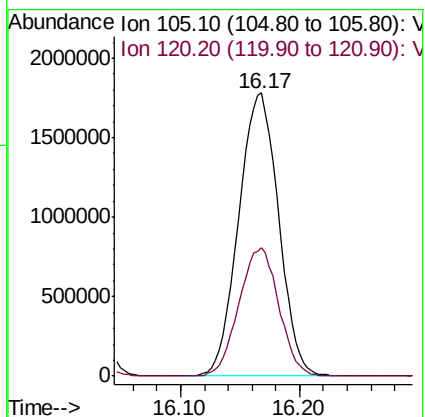
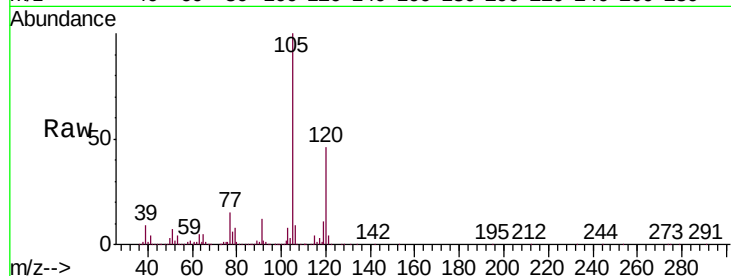
VL1114ABS04

Tgt Ion:105 Resp: 4129869

Ion Ratio Lower Upper

105 100

120 45.5 36.6 55.0



#74

1,2,4-Trimethylbenzene

Concen: 8.287 ppbv

RT: 16.93 min Scan# 4353

Delta R.T. -0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Tgt Ion:105 Resp: 4197893

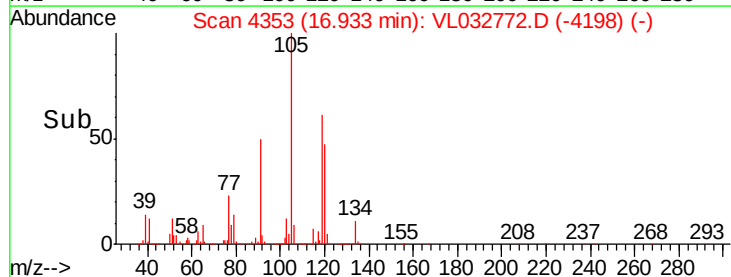
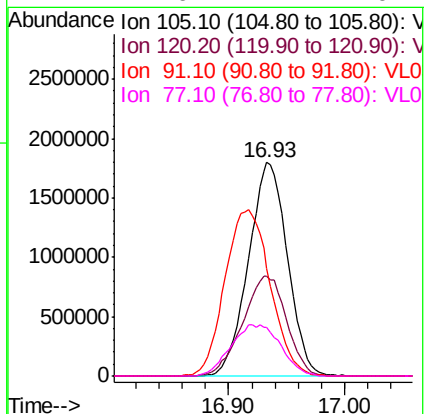
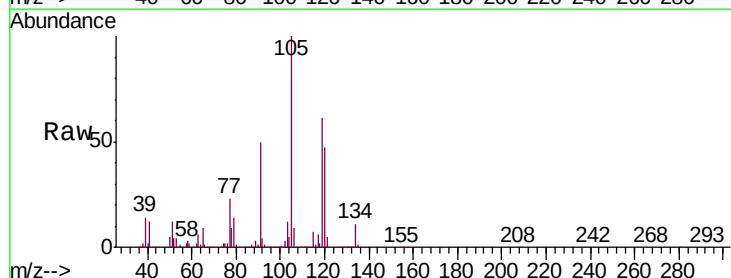
Ion Ratio Lower Upper

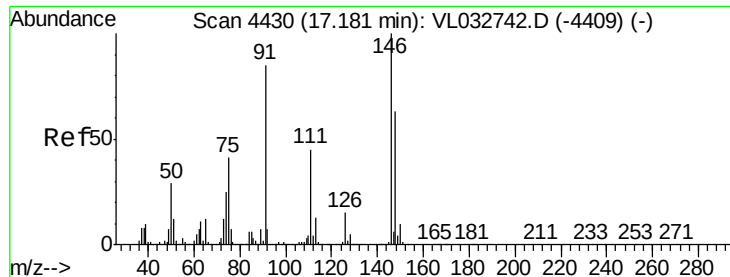
105 100

120 46.9 37.6 56.4

91 50.1 42.5 63.7

77 22.6 17.4 26.2

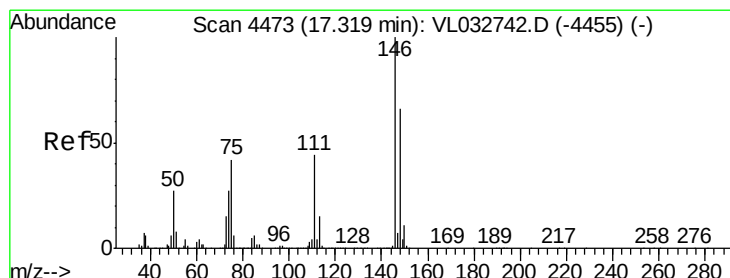
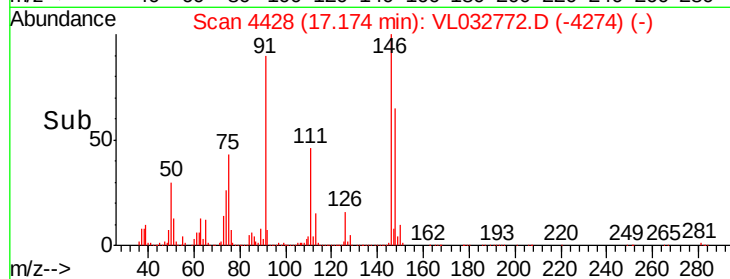
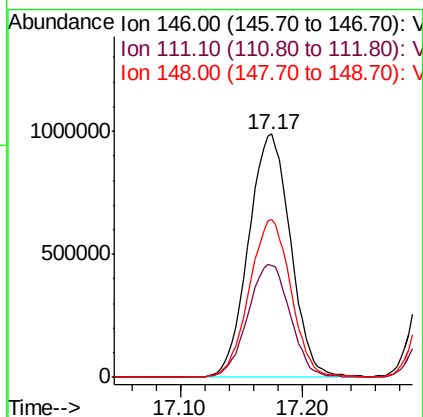
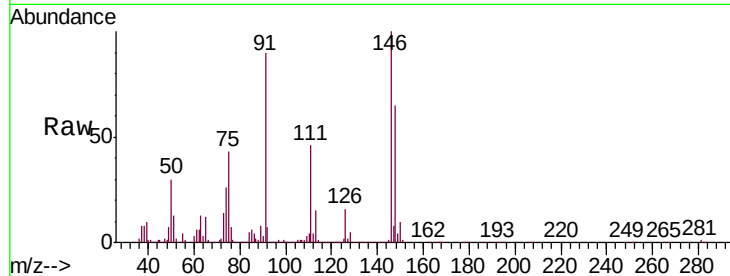




#75
 1,3-Dichlorobenzene
 Concen: 8.091 ppbv
 RT: 17.17 min Scan# 4428
 Delta R.T. -0.01 min
 Lab File: VL032772.D
 Acq: 14 Nov 2018 23:40

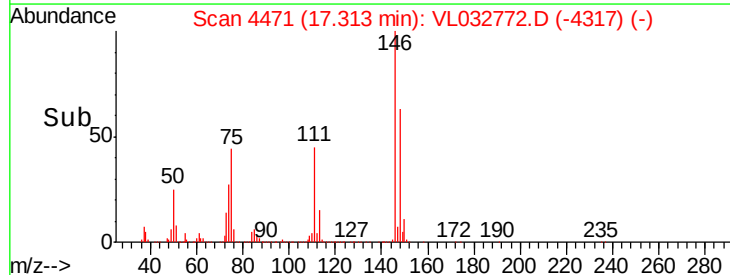
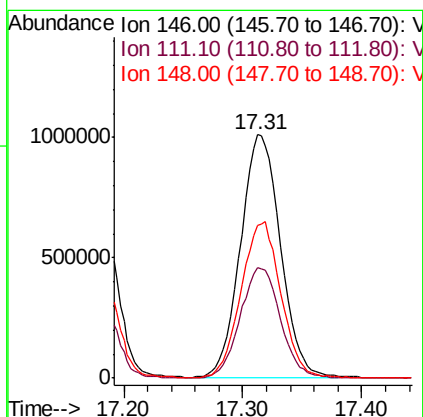
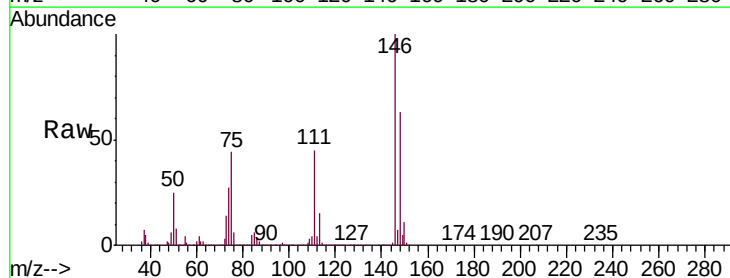
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1114ABS04

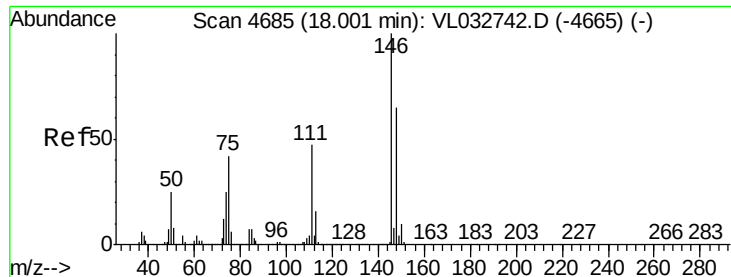
Tgt Ion:146 Resp: 2350978
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.5 70.6
 148 64.7 31.8 95.3



#76
 1,4-Dichlorobenzene
 Concen: 8.594 ppbv
 RT: 17.31 min Scan# 4471
 Delta R.T. -0.01 min
 Lab File: VL032772.D
 Acq: 14 Nov 2018 23:40

Tgt Ion:146 Resp: 2332641
 Ion Ratio Lower Upper
 146 100
 111 46.2 22.5 67.5
 148 64.9 32.5 97.5

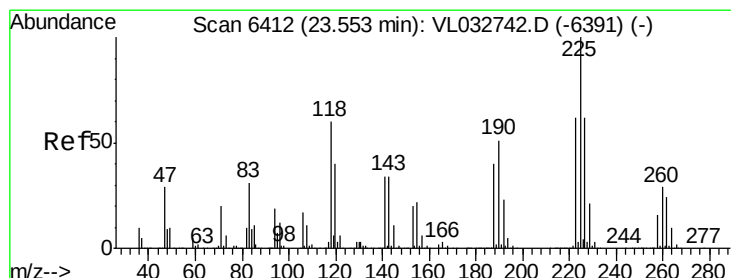
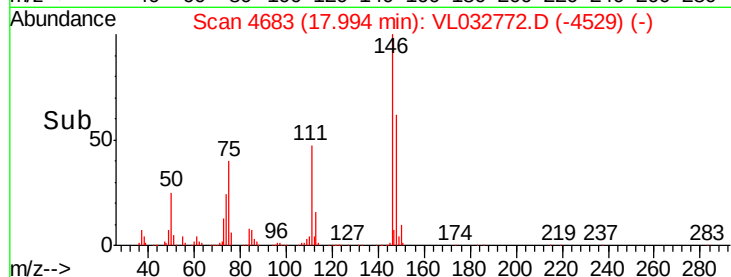
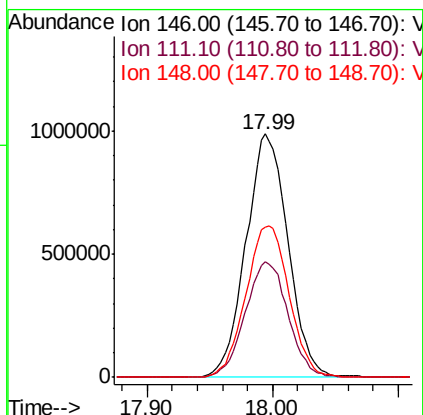
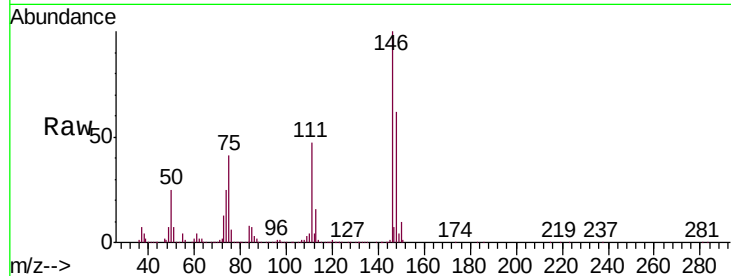




#77
 1,2-Dichlorobenzene
 Concen: 8.557 ppbv
 RT: 17.99 min Scan# 4683
 Delta R.T. -0.01 min
 Lab File: VL032772.D
 Acq: 14 Nov 2018 23:40

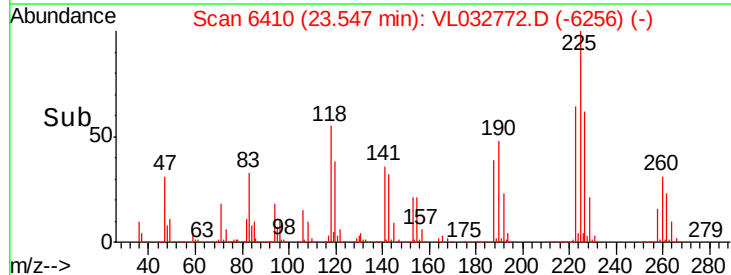
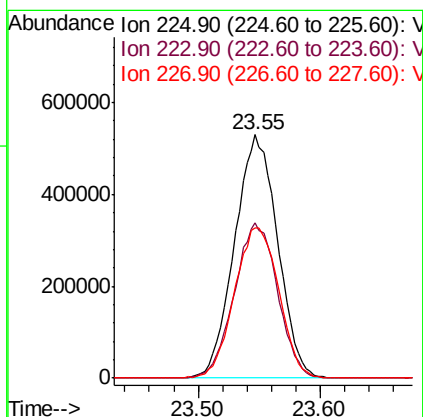
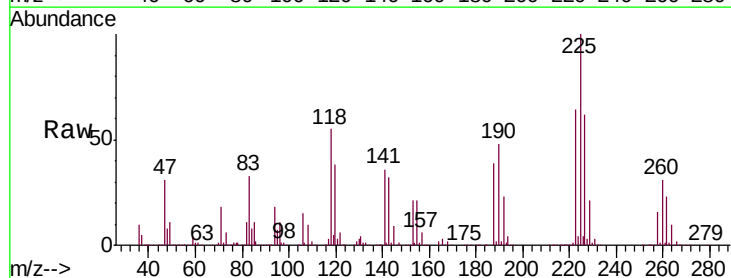
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1114ABS04

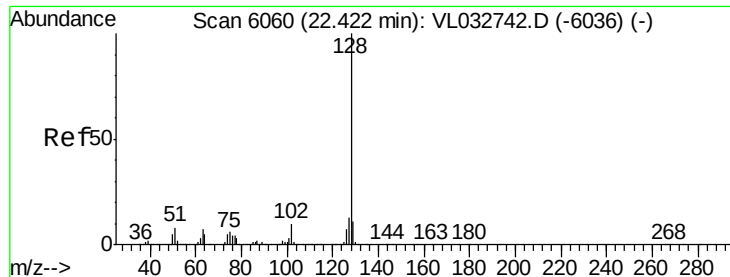
Tgt Ion:146 Resp: 2300307
 Ion Ratio Lower Upper
 146 100
 111 48.3 24.4 73.2
 148 64.3 32.2 96.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.895 ppbv
 RT: 23.55 min Scan# 6410
 Delta R.T. -0.01 min
 Lab File: VL032772.D
 Acq: 14 Nov 2018 23:40

Tgt Ion:225 Resp: 1290496
 Ion Ratio Lower Upper
 225 100
 223 64.0 50.3 75.5
 227 64.0 50.2 75.4





#79

Naphthalene

Concen: 12.495 ppbv

RT: 22.42 min Scan# 6060

Delta R.T. 0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS04

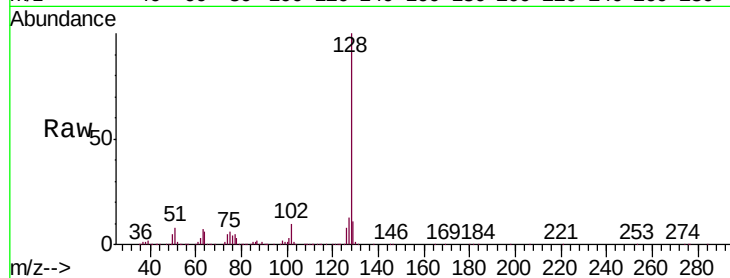
Tgt Ion:128 Resp: 4158197

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

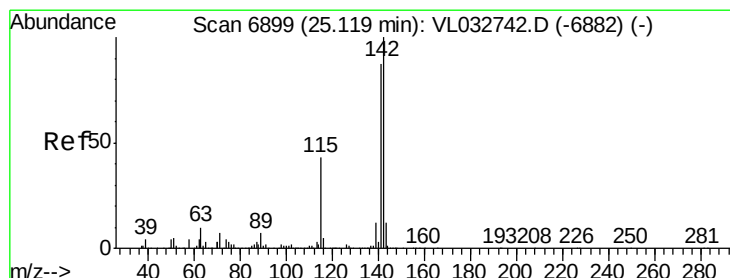
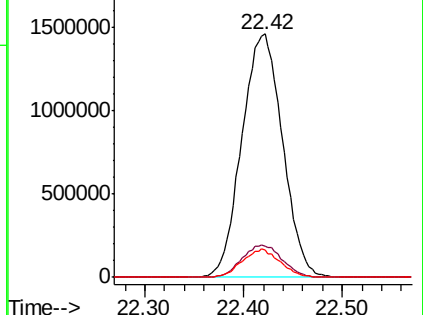
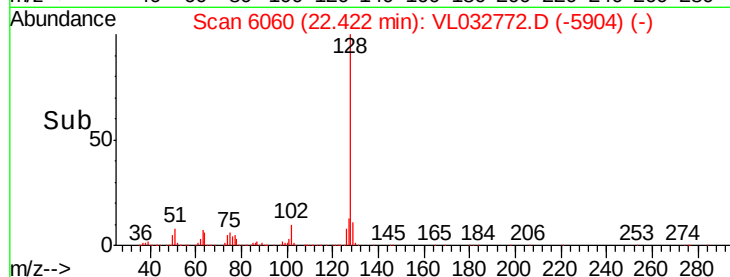
129 11.2 8.9 13.3



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.429 ppbv

RT: 25.12 min Scan# 6899

Delta R.T. 0.00 min

Lab File: VL032772.D

Acq: 14 Nov 2018 23:40

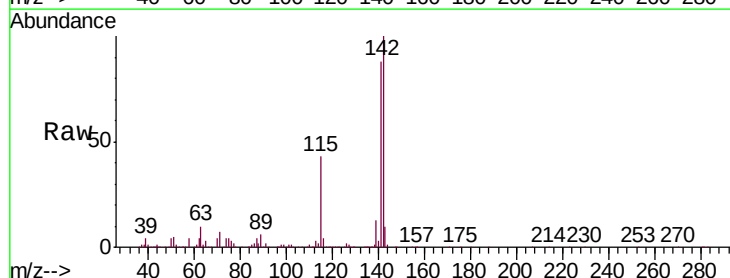
Tgt Ion:142 Resp: 1035976

Ion Ratio Lower Upper

142 100

141 85.3 68.7 103.1

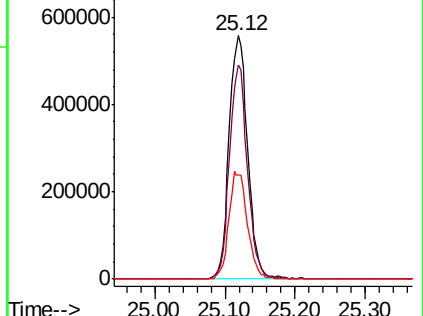
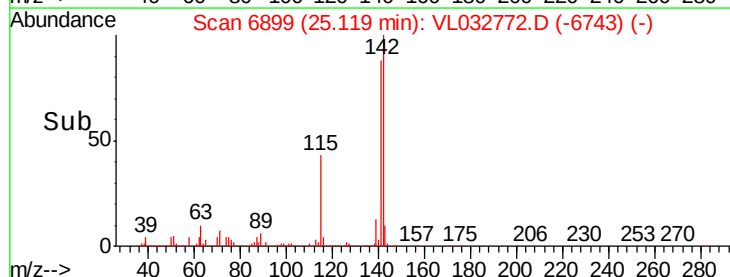
115 44.2 35.5 53.3

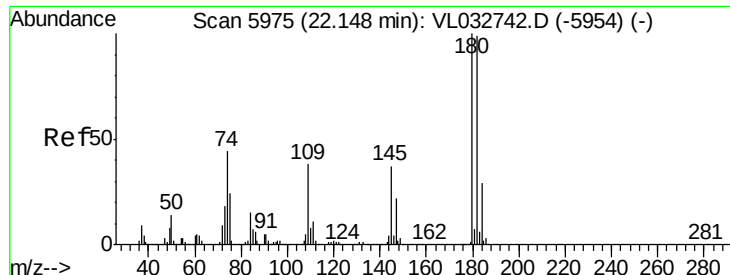


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 11.830 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.01 min
 Lab File: VL032772.D
 Acq: 14 Nov 2018 23:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1114ABS04

Tgt Ion:180 Resp: 1976955
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.3 115.9
 184 30.5 24.2 36.4

