

Data File : VL032770.D
Acq On : 14 Nov 2018 22:23
Operator : SY/AP
Sample : VL1114ABS02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS02

Quant Time: Nov 15 04:59:31 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	1506991	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3756850	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4464069	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2761300	8.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.70%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.08	85	1984714	9.162	ppbv 99
3) Chlorodifluoromethane	3.02	51	1093756	9.155	ppbv 98
4) Chloromethane	3.17	50	596862	9.009	ppbv 96
5) Vinyl Chloride	3.30	62	613754	8.743	ppbv 99
6) Bromomethane	3.52	94	399299	9.298	ppbv 93
7) Chloroethane	3.61	64	234909	9.285	ppbv 100
8) Dichlorotetrafluoroethane	3.23	85	1539141	9.017	ppbv 99
9) Propene	3.04	41	439832	9.199	ppbv 99
10) Heptane	8.26	43	1815343	9.945	ppbv 99
11) Trichlorofluoromethane	4.01	101	1771545	8.678	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1449840	8.695	ppbv 99
13) Ethanol	3.65	45	108903	6.954	ppbv 100
14) Bromoethene	3.80	108	523287	9.459	ppbv 98
15) Acetone	3.91	43	1124650	8.172	ppbv 99
16) 1,3-Butadiene	3.37	39	542544	10.180	ppbv 98
17) tert-Butyl alcohol	4.36	59	423204	9.805	ppbv 99
18) 1,1-Dichloroethene	4.36	96	790406	9.639	ppbv 96
19) Isopropyl Alcohol	4.03	45	778161	8.488	ppbv 100
20) Methylene Chloride	4.42	84	665195	9.337	ppbv 98
21) Allyl Chloride	4.48	41	1260106	10.896	ppbv 99
22) trans-1,2-Dichloroethene	4.97	96	736192	9.195	ppbv 98
23) Vinyl Acetate	5.16	43	2458028	9.798	ppbv 99
24) 1,1-Dichloroethane	5.10	63	1844682	9.249	ppbv 100
25) Ethyl Acetate	5.78	43	2993220	9.332	ppbv 99
26) Hexane	5.79	57	1361663	9.537	ppbv 98
27) Carbon Disulfide	4.63	76	1860262	10.275	ppbv 98
28) Methyl tert-Butyl Ether	5.12	73	2221097	9.755	ppbv 99
29) Chloroform	5.86	83	2315963	9.100	ppbv 96
30) Cyclohexane	7.26	84	1220870	9.776	ppbv 99
31) cis-1,2-Dichloroethene	5.65	61	1402032	9.766	ppbv 98
32) 1,1,1-Trichloroethane	6.63	97	2485740	8.911	ppbv 100
34) 2-Butanone	5.34	43	1910816	9.806	ppbv 99
35) Carbon Tetrachloride	7.14	117	2719199	9.004	ppbv 99
36) Benzene	7.01	78	2901730	9.699	ppbv 100
37) 1,2-Dichloroethane	6.42	62	1938096	9.624	ppbv 99
38) Trichloroethene	7.97	130	1170283	9.666	ppbv 94
39) 1,2-Dichloropropane	7.74	63	1094557	9.603	ppbv 99
40) 1,4-Dioxane	7.96	88	416232	10.224	ppbv 87
41) Tetrahydrofuran	6.16	42	1136926	10.172	ppbv 100
42) Bromodichloromethane	7.92	83	2657004	9.733	ppbv 99
43) Methyl Methacrylate	8.14	69	1174778	10.518	ppbv 97

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Response via : Initial Calibration

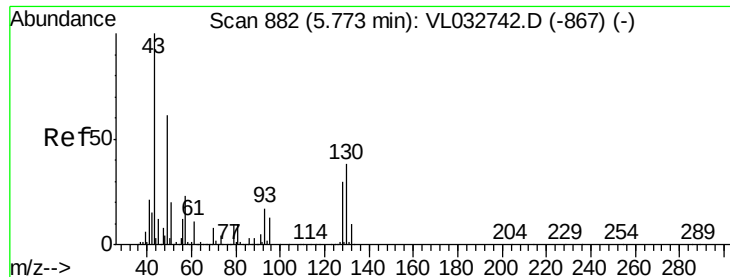
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4930882	9.863	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1710724	11.415	ppbv	96
46) cis-1,3-Dichloropropene	8.84	75	1985053	10.963	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	1311770	9.733	ppbv	98
48) Dibromochloromethane	10.46	129	2229563	9.733	ppbv	99
49) Bromoform	13.21	173	1804300	9.537	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	3078662	10.116	ppbv	99
51) 2-Hexanone	10.28	43	2190120	11.170	ppbv #	99
52) Tetrachloroethene	11.38	164	1037900	9.973	ppbv	98
53) Toluene	9.95	91	3391536	10.867	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1888375	9.911	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.29	131	1569635	7.539	ppbv	97
57) Chlorobenzene	12.31	112	2533191	7.413	ppbv	97
58) Ethyl Benzene	12.87	91	4546438	8.463	ppbv	98
59) m/p-Xylene	13.13	91	4060463	8.490	ppbv #	31
60) o-Xylene	13.86	91	3737883	7.773	ppbv	100
61) Styrene	13.69	104	2747093	8.775	ppbv	99
62) Isopropylbenzene	14.83	105	5176610	7.964	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2499868	6.669	ppbv	100
64) n-propylbenzene	15.73	120	1291291	7.553	ppbv	97
65) tert-Butylbenzene	16.92	119	4456736	7.649	ppbv	99
66) Benzyl Chloride	17.16	91	2574049	7.991	ppbv	100
67) sec-Butylbenzene	17.46	105	6383508	7.602	ppbv	99
69) p-Isopropyltoluene	17.82	119	5243146	7.853	ppbv	100
70) n-Butylbenzene	18.72	91	5437572	8.020	ppbv	99
71) 2-Chlorotoluene	15.62	91	3853065	7.949	ppbv	100
72) 4-Ethyltoluene	16.01	105	4207132	7.982	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	3972893	7.709	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	4081279	7.401	ppbv	98
75) 1,3-Dichlorobenzene	17.17	146	2296994	7.261	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	2236952	7.570	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2233799	7.633	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1173299	7.429	ppbv	99
79) Naphthalene	22.42	128	3872535	10.689	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	846230	9.326	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1857803	10.212	ppbv	98

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration

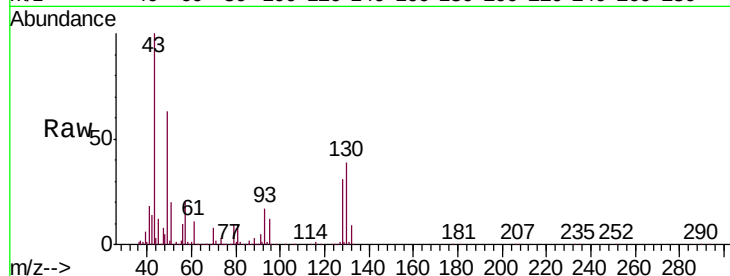




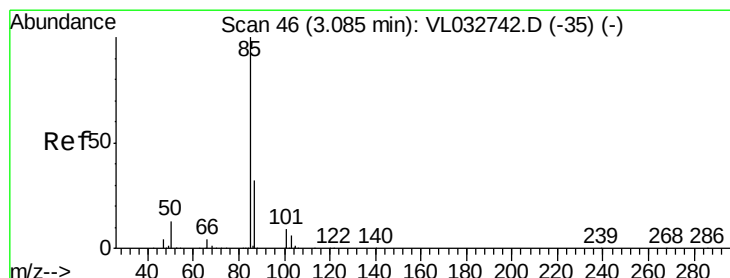
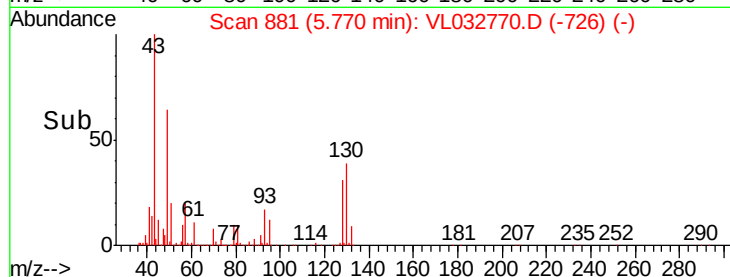
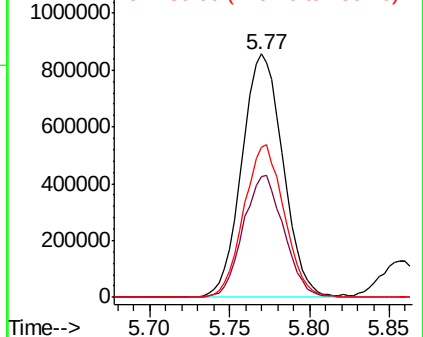
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.77 min Scan# 881
 Delta R.T. -0.00 min
 Lab File: VL032770.D
 Acq: 14 Nov 2018 22:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1114ABS02

Tgt Ion: 49 Resp: 1506991
 Ion Ratio Lower Upper
 49 100
 128 49.6 24.9 74.6
 130 62.1 31.4 94.2

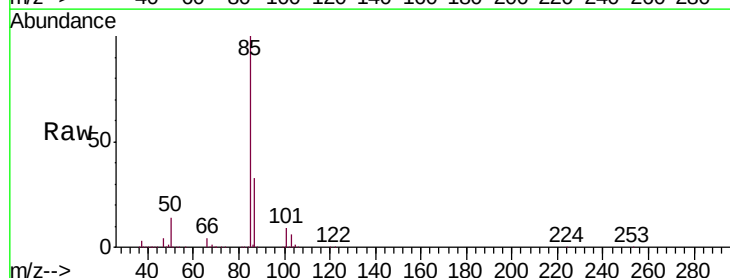


Abundance Ion 49.10 (48.80 to 49.80): VL0
 Ion 128.00 (127.70 to 128.70): V
 Ion 130.00 (129.70 to 130.70): V

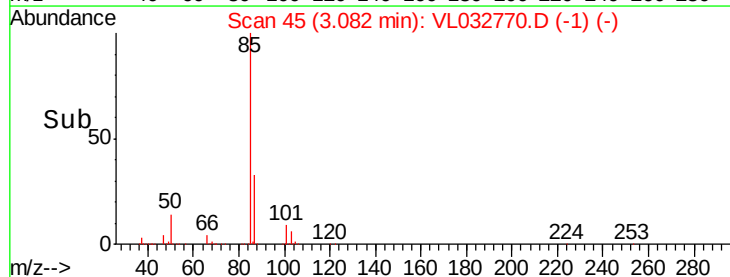
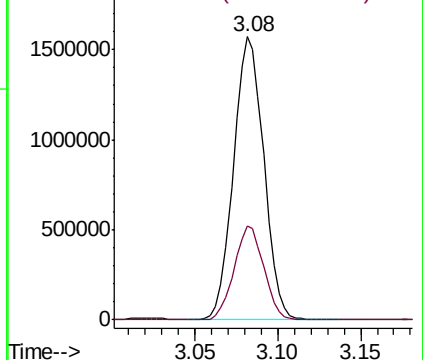


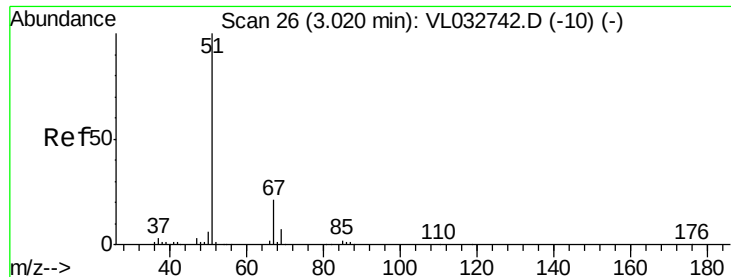
#2
 Dichlorodifluoromethane
 Concen: 9.162 ppbv
 RT: 3.08 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: VL032770.D
 Acq: 14 Nov 2018 22:23

Tgt Ion: 85 Resp: 1984714
 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: 9.155 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

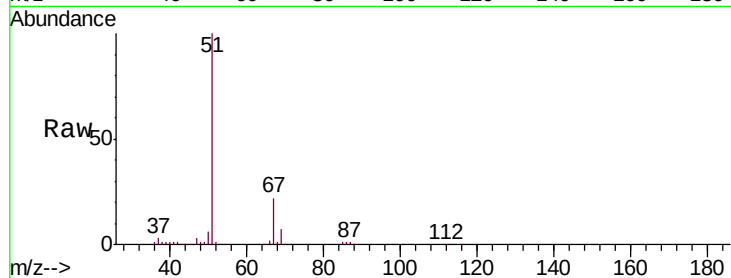
VL1114ABS02

Tgt Ion: 51 Resp: 1093756

Ion Ratio Lower Upper

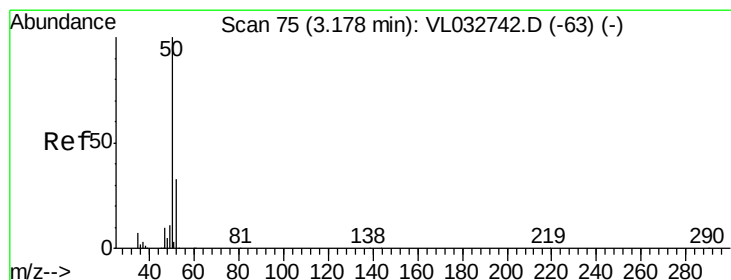
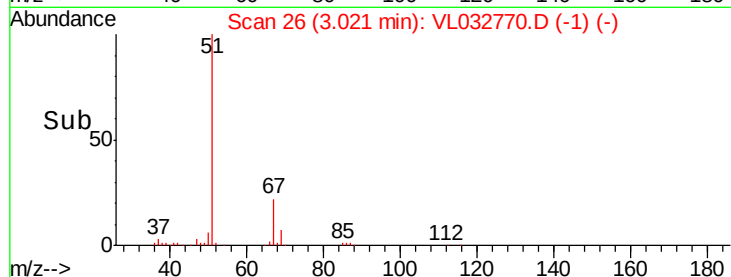
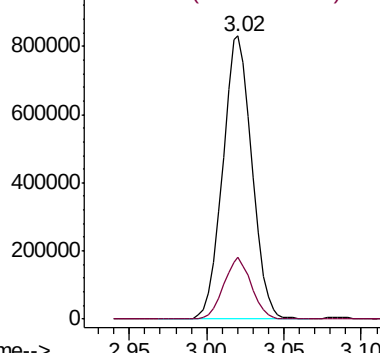
51 100

67 20.9 16.1 24.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.009 ppbv

RT: 3.17 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL032770.D

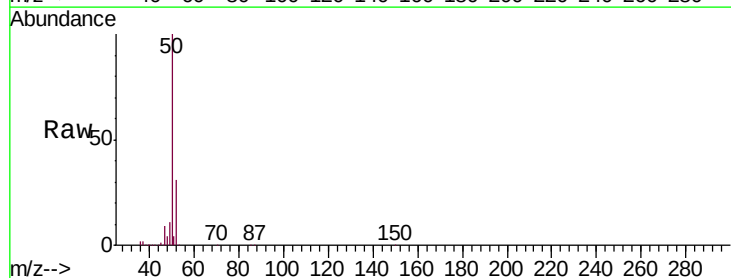
Acq: 14 Nov 2018 22:23

Tgt Ion: 50 Resp: 596862

Ion Ratio Lower Upper

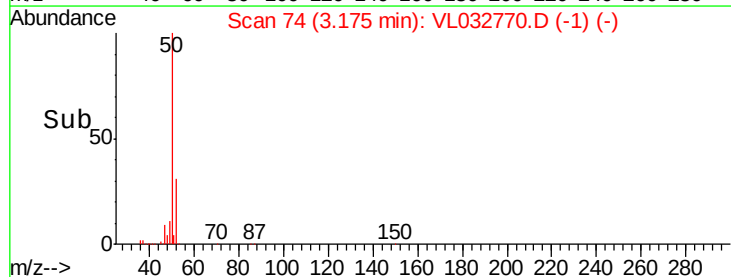
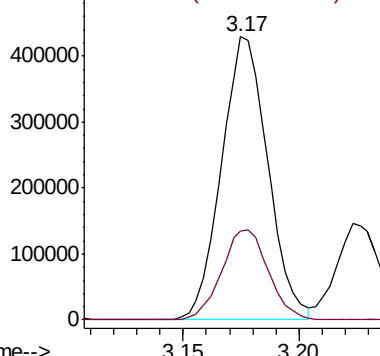
50 100

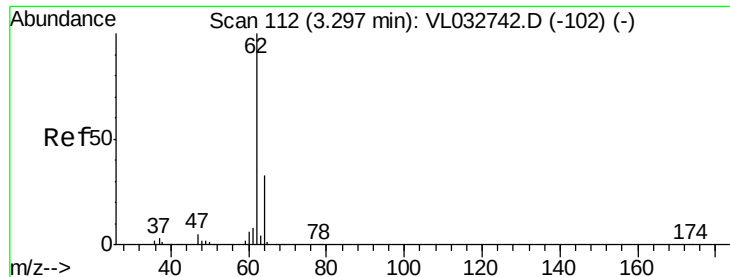
52 31.3 26.6 40.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.743 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

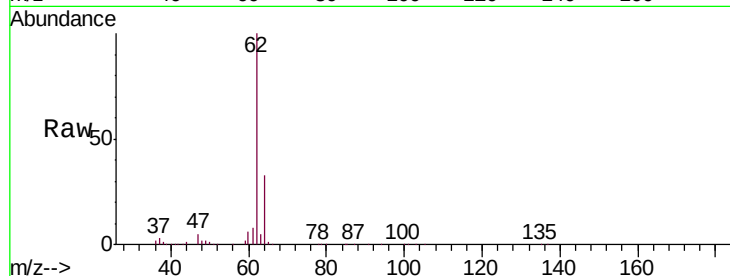
VL1114ABS02

Tgt Ion: 62 Resp: 613754

Ion Ratio Lower Upper

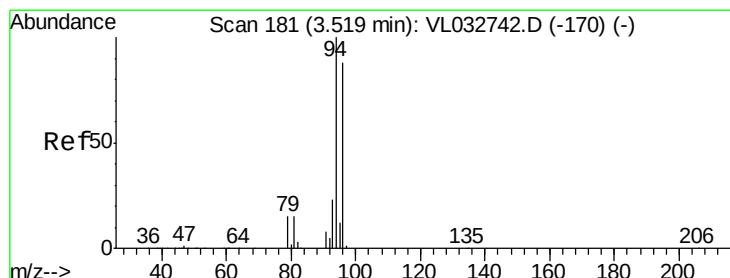
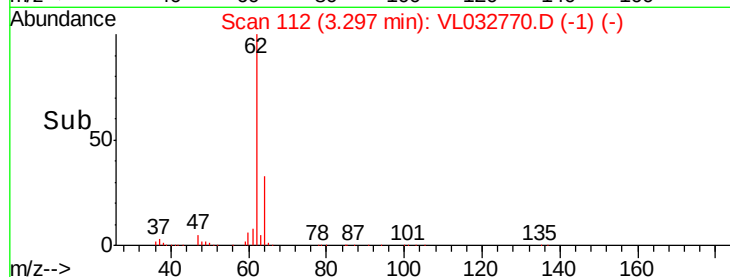
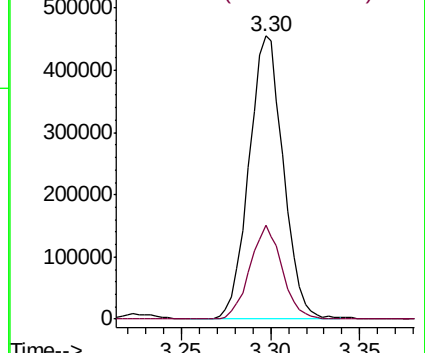
62 100

64 33.1 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: 9.298 ppbv

RT: 3.52 min Scan# 182

Delta R.T. 0.00 min

Lab File: VL032770.D

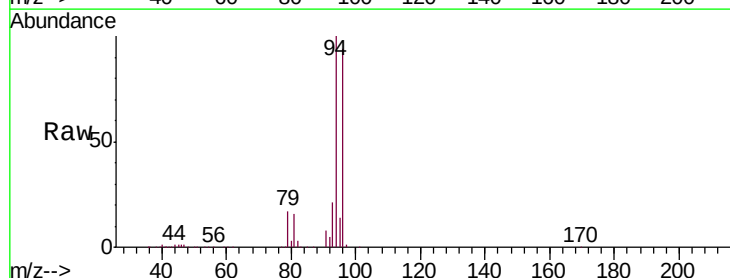
Acq: 14 Nov 2018 22:23

Tgt Ion: 94 Resp: 399299

Ion Ratio Lower Upper

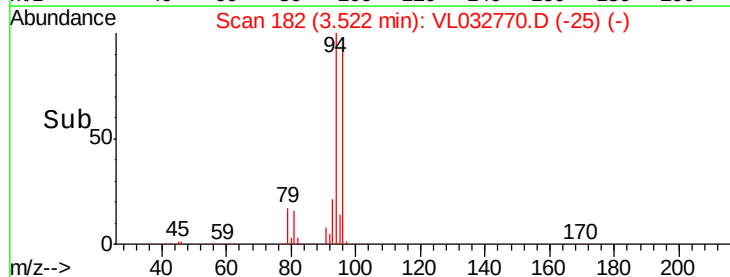
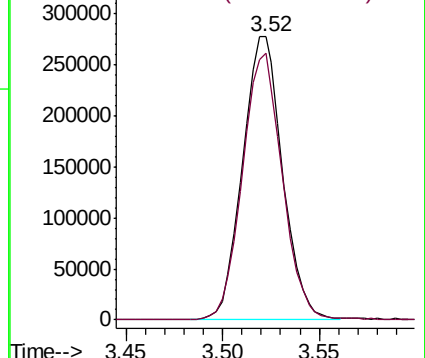
94 100

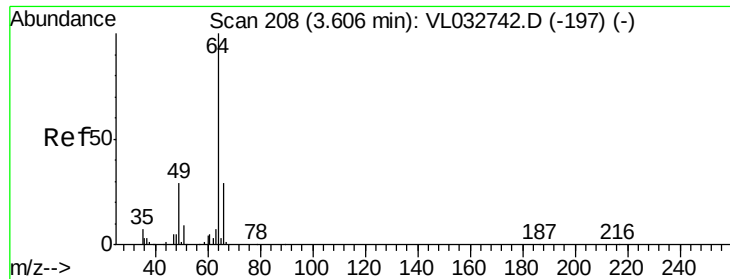
96 94.4 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.285 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

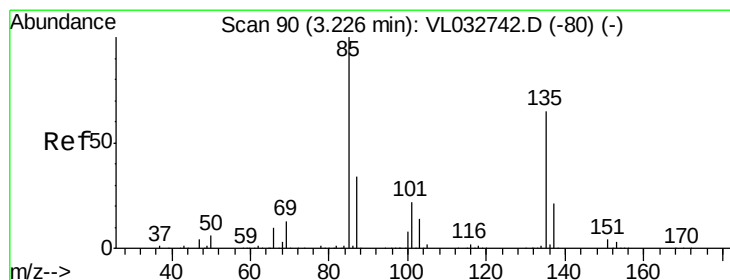
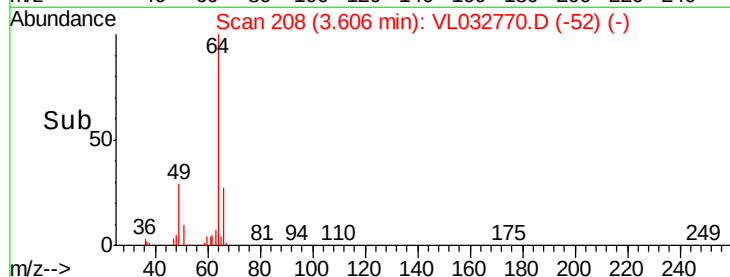
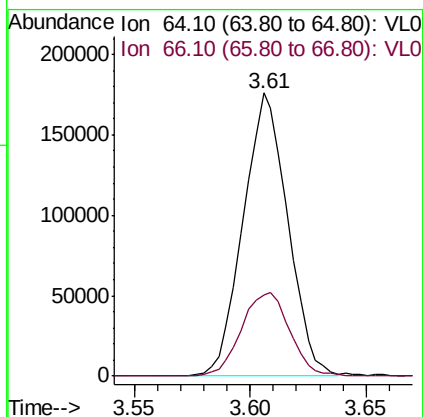
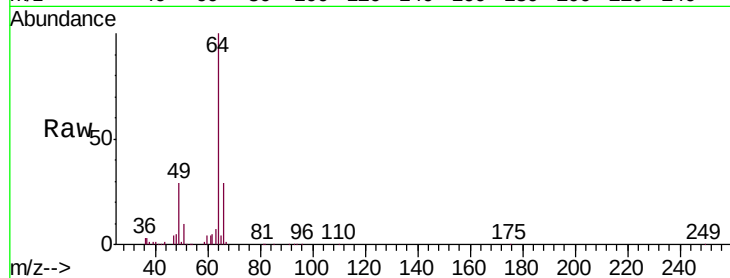
VL1114ABS02

Tgt Ion: 64 Resp: 234909

Ion Ratio Lower Upper

64 100

66 28.9 23.2 34.8



#8

Dichlorotetrafluoroethane

Concen: 9.017 ppbv

RT: 3.23 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL032770.D

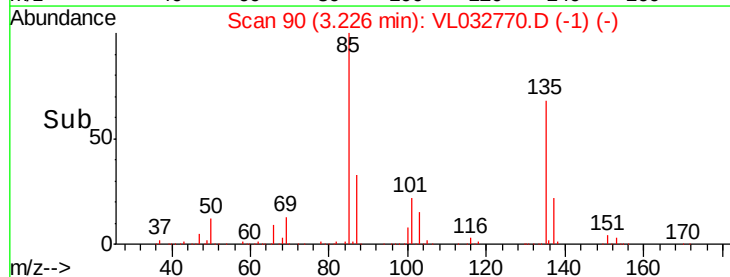
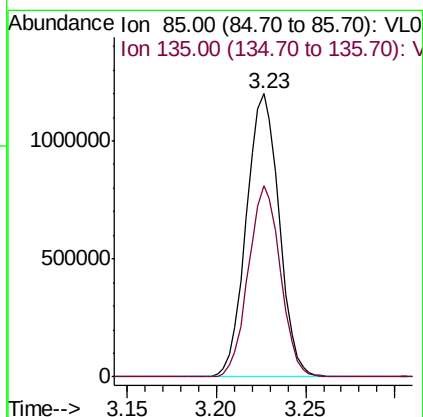
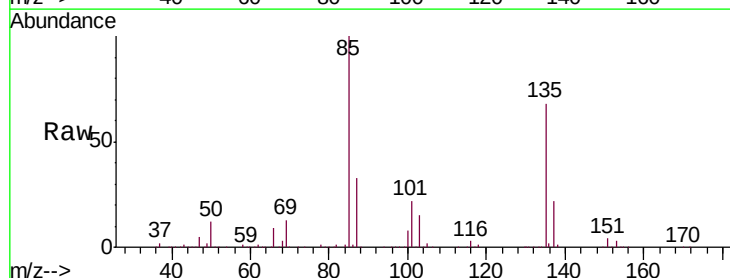
Acq: 14 Nov 2018 22:23

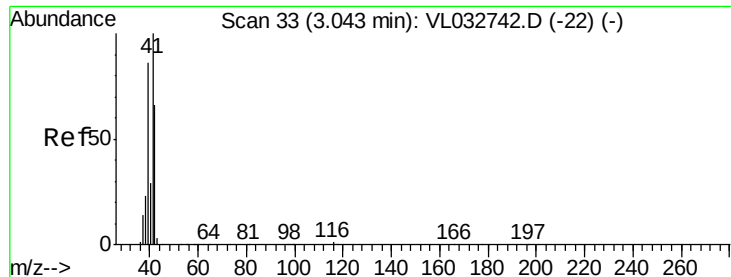
Tgt Ion: 85 Resp: 1539141

Ion Ratio Lower Upper

85 100

135 66.2 53.8 80.8





#9

Propene

Concen: 9.199 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

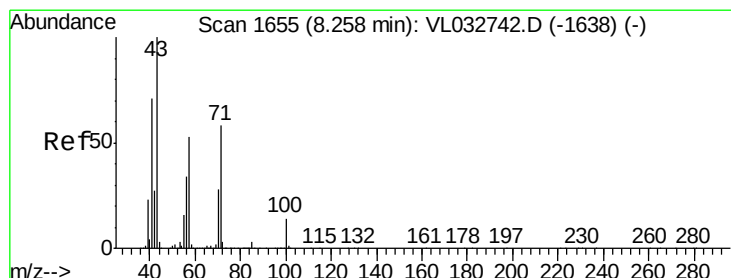
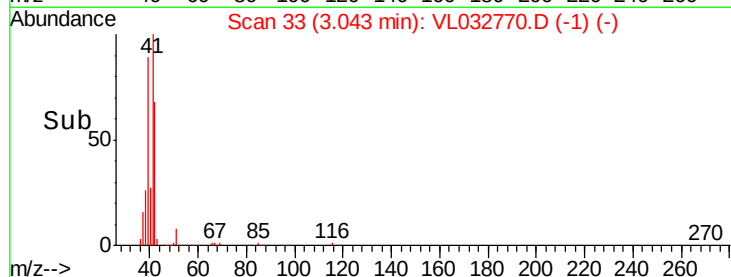
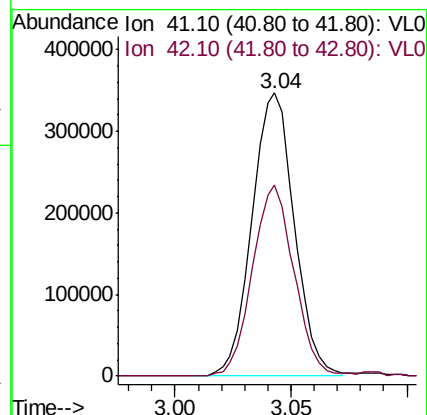
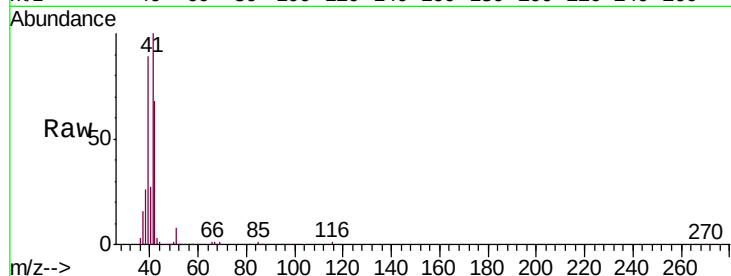
VL1114ABS02

Tgt Ion: 41 Resp: 439832

Ion Ratio Lower Upper

41 100

42 67.7 55.0 82.6



#10

Heptane

Concen: 9.945 ppbv

RT: 8.26 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL032770.D

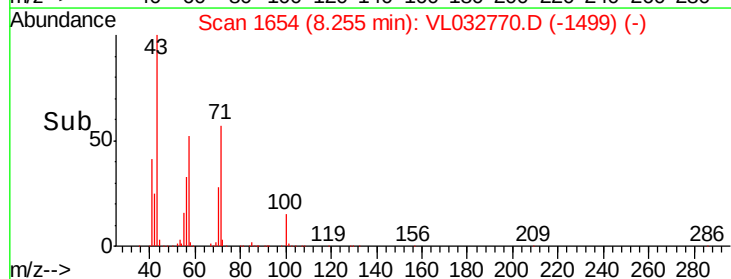
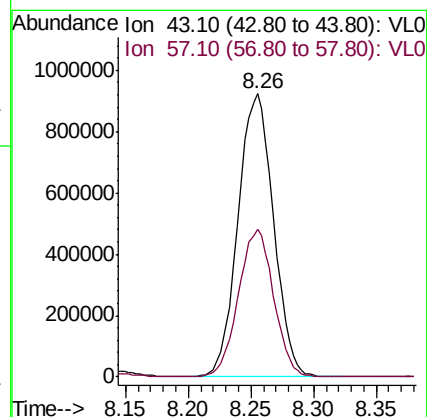
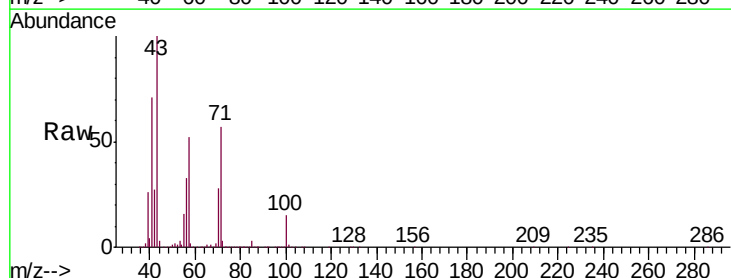
Acq: 14 Nov 2018 22:23

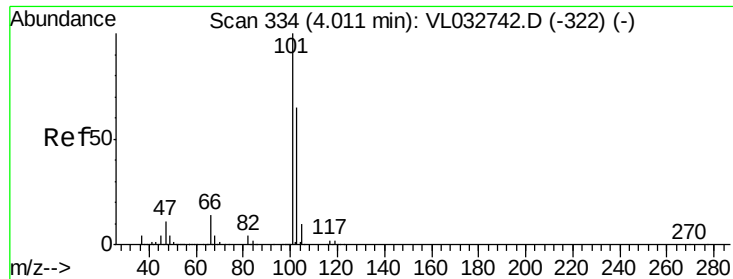
Tgt Ion: 43 Resp: 1815343

Ion Ratio Lower Upper

43 100

57 51.8 41.8 62.8

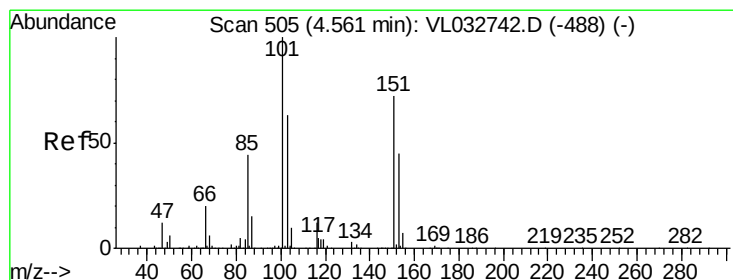
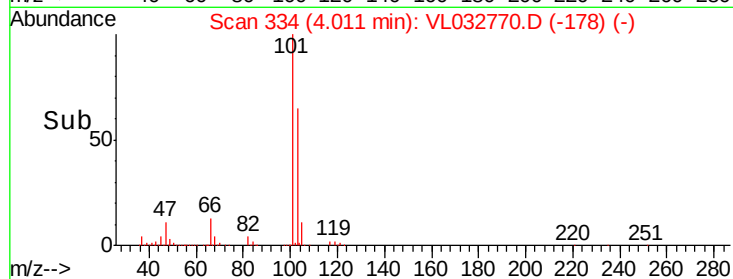
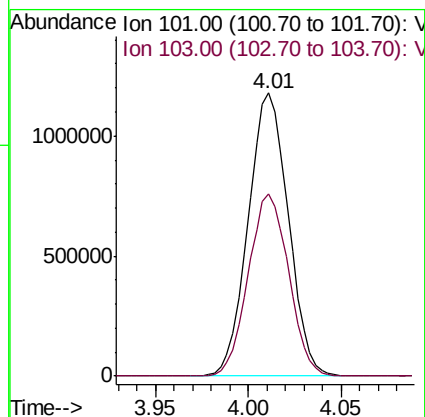
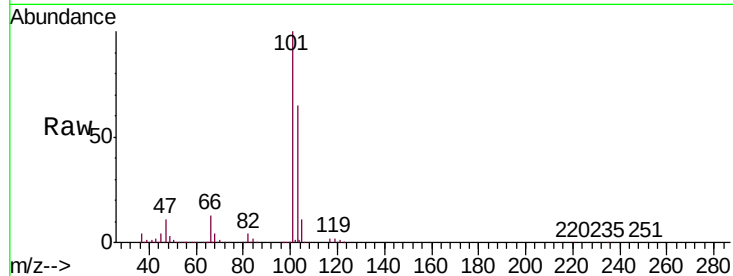




#11
 Trichlorofluoromethane
 Concen: 8.678 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032770.D
 Acq: 14 Nov 2018 22:23

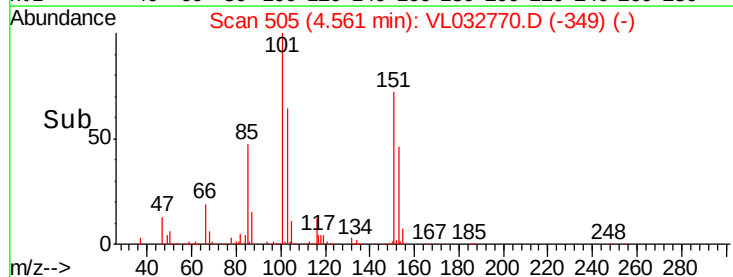
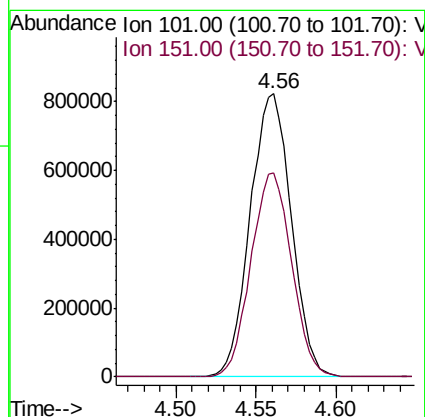
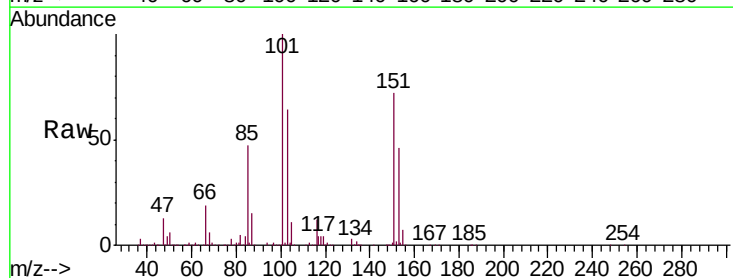
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1114ABS02

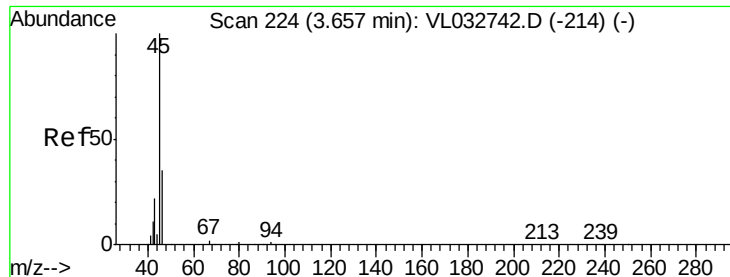
Tgt Ion:101 Resp: 1771545
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.695 ppbv
 RT: 4.56 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VL032770.D
 Acq: 14 Nov 2018 22:23

Tgt Ion:101 Resp: 1449840
 Ion Ratio Lower Upper
 101 100
 151 71.6 56.7 85.1

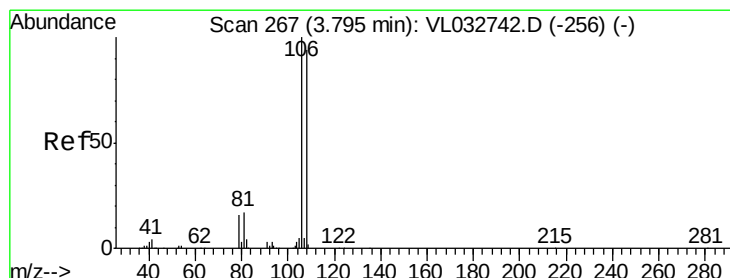
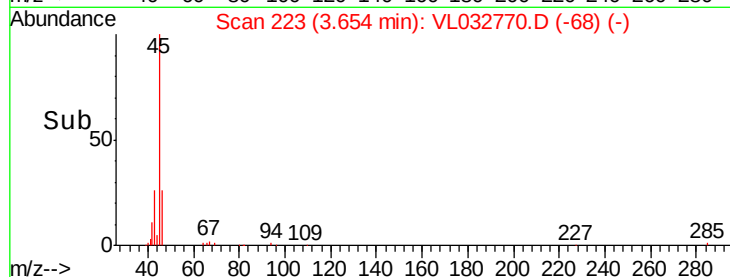
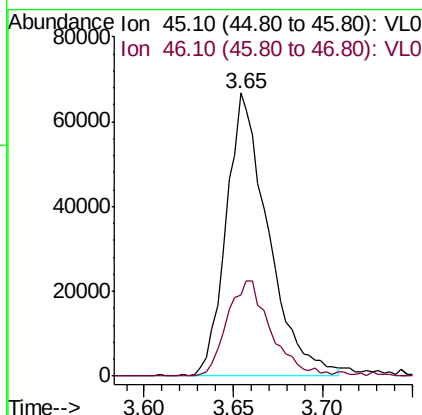
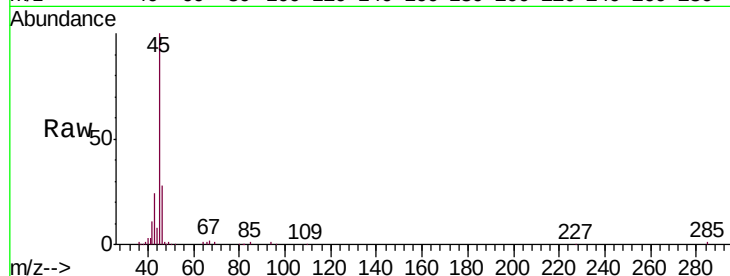




#13
Ethanol
Concen: 6.954 ppbv
RT: 3.65 min Scan# 223
Delta R.T. -0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

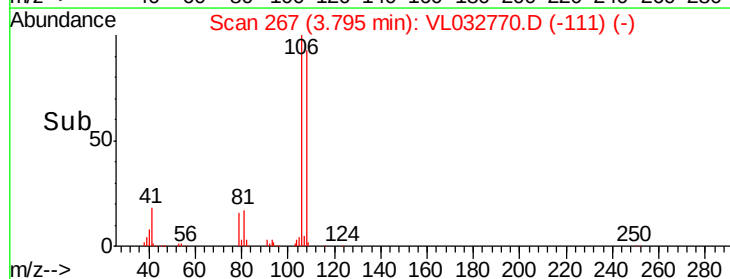
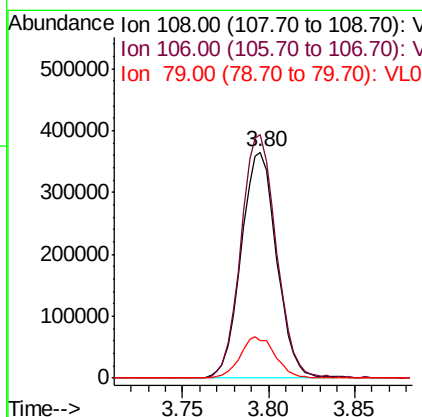
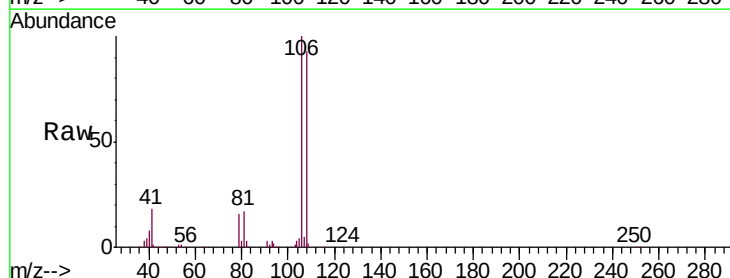
Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS02

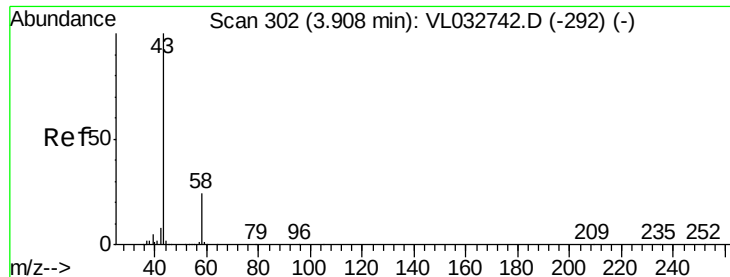
Tgt Ion: 45 Resp: 108903
Ion Ratio Lower Upper
45 100
46 36.3 14.5 57.9



#14
Bromoethene
Concen: 9.459 ppbv
RT: 3.80 min Scan# 267
Delta R.T. 0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

Tgt Ion: 108 Resp: 523287
Ion Ratio Lower Upper
108 100
106 107.9 84.9 127.3
79 18.2 14.2 21.4





#15

Acetone

Concen: 8.172 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

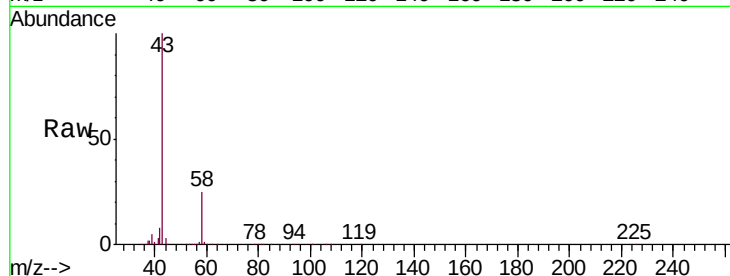
VL1114ABS02

Tgt Ion: 43 Resp: 1124650

Ion Ratio Lower Upper

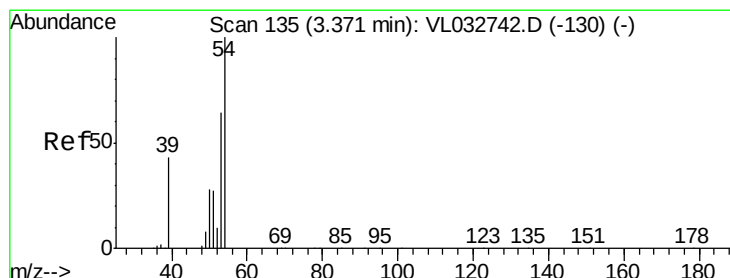
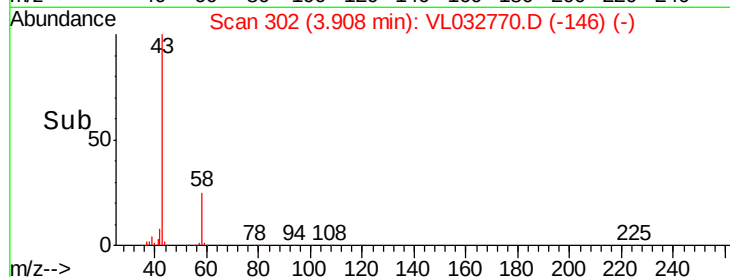
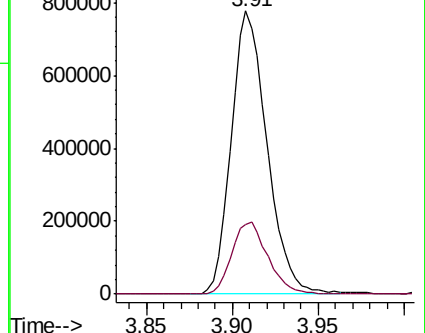
43 100

58 25.9 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.180 ppbv

RT: 3.37 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL032770.D

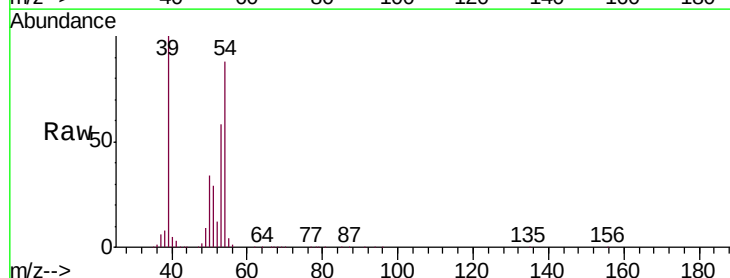
Acq: 14 Nov 2018 22:23

Tgt Ion: 39 Resp: 542544

Ion Ratio Lower Upper

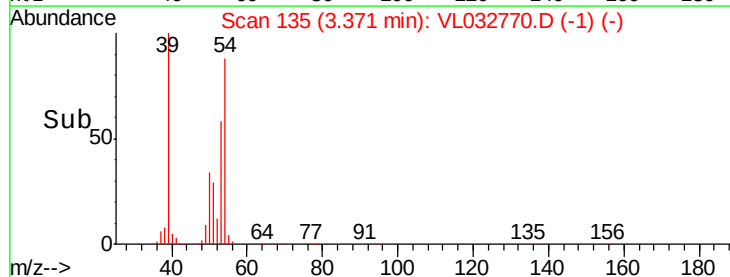
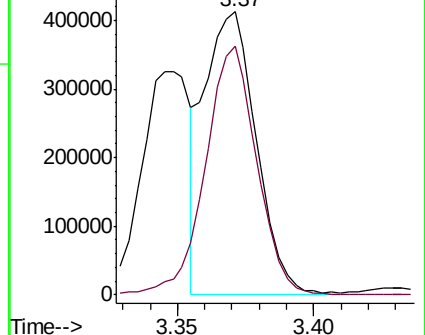
39 100

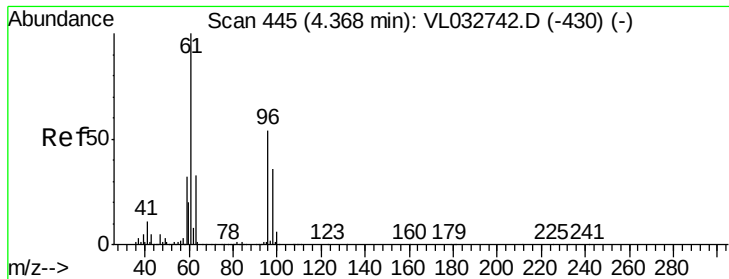
54 88.1 68.9 103.3



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.805 ppbv

RT: 4.36 min Scan# 444

Delta R.T. -0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

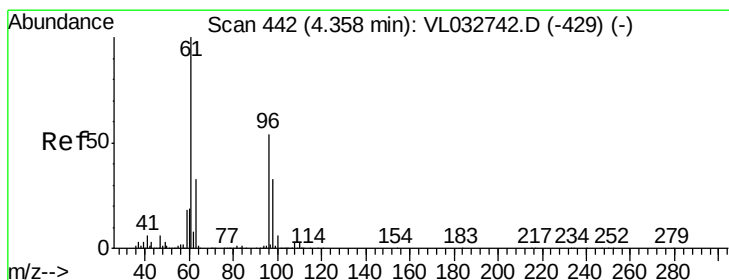
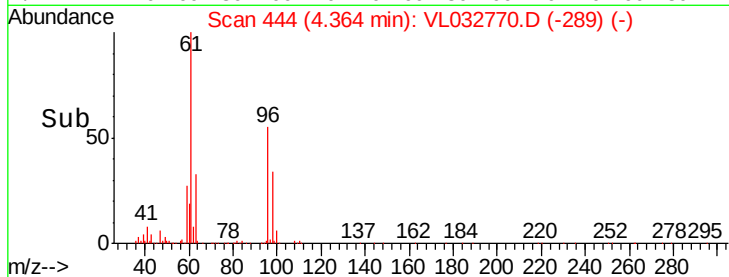
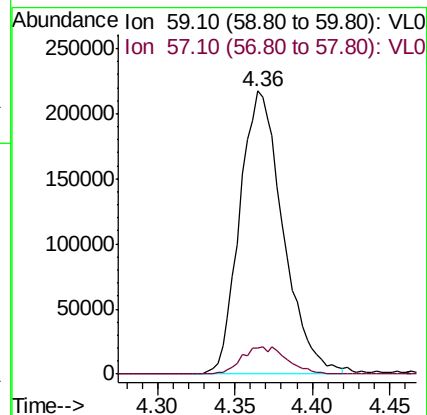
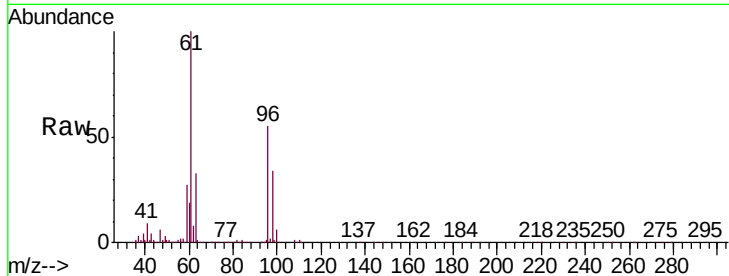
VL1114ABS02

Tgt Ion: 59 Resp: 423204

Ion Ratio Lower Upper

59 100

57 10.2 7.8 11.8



#18

1,1-Dichloroethene

Concen: 9.639 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

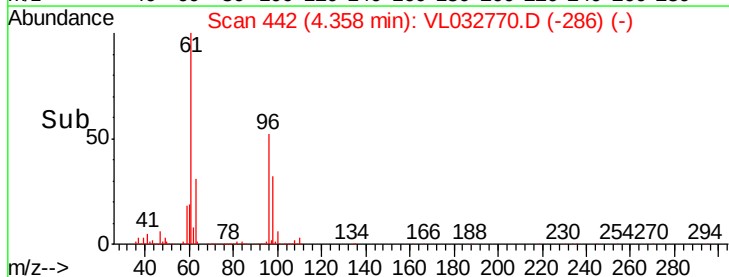
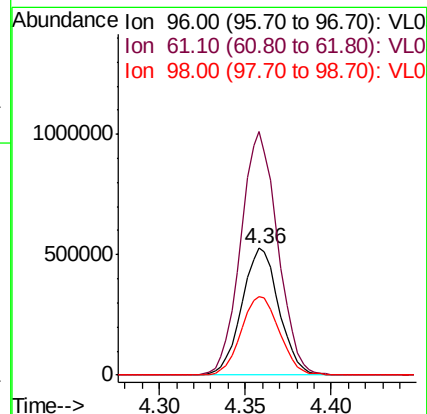
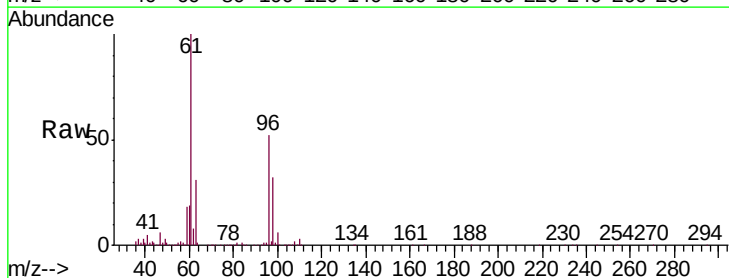
Tgt Ion: 96 Resp: 790406

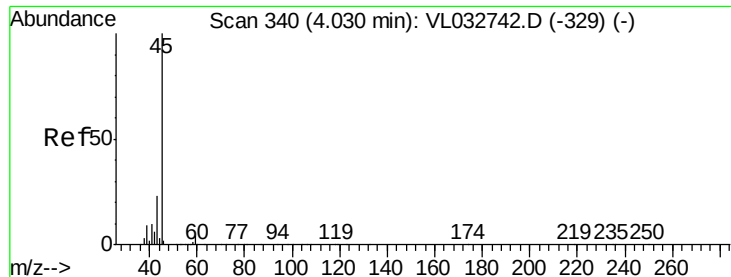
Ion Ratio Lower Upper

96 100

61 192.2 148.5 222.7

98 62.2 48.6 72.8





#19

Isopropyl Alcohol

Concen: 8.488 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

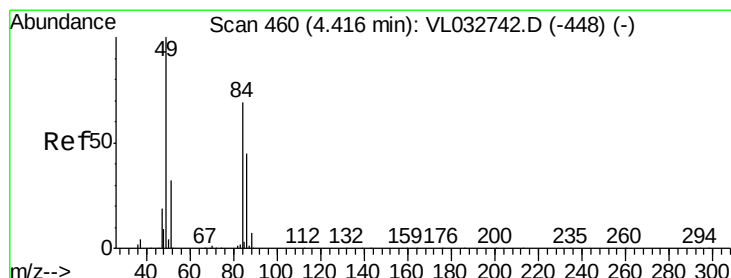
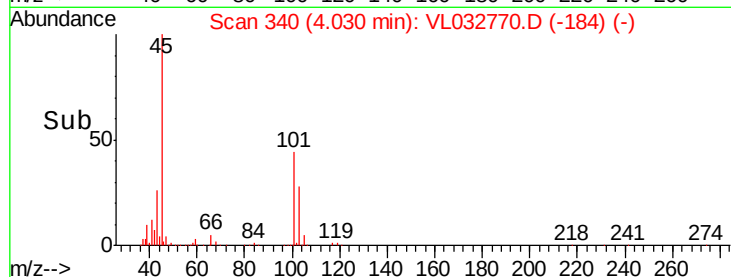
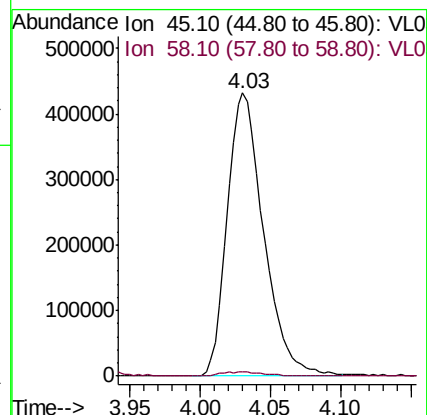
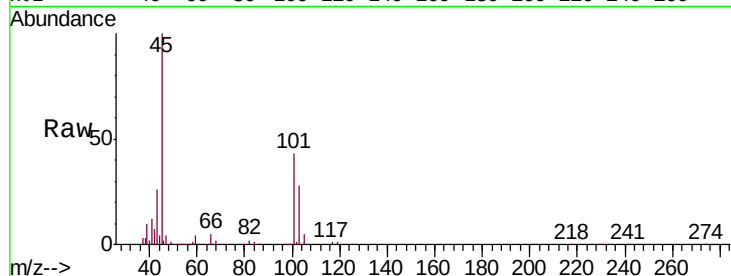
VL1114ABS02

Tgt Ion: 45 Resp: 778161

Ion Ratio Lower Upper

45 100

58 1.8 1.4 2.0



#20

Methylene Chloride

Concen: 9.337 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Tgt Ion: 84 Resp: 665195

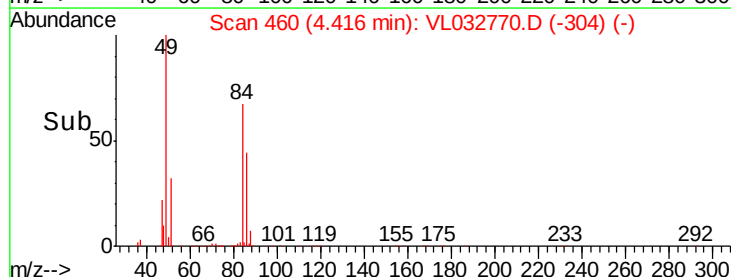
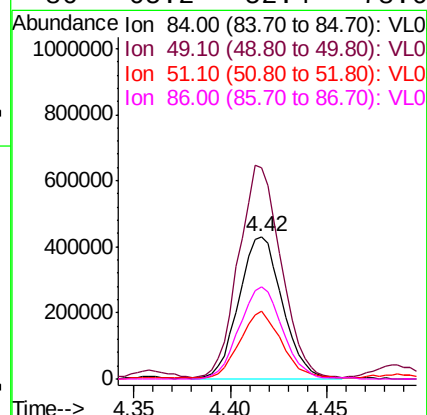
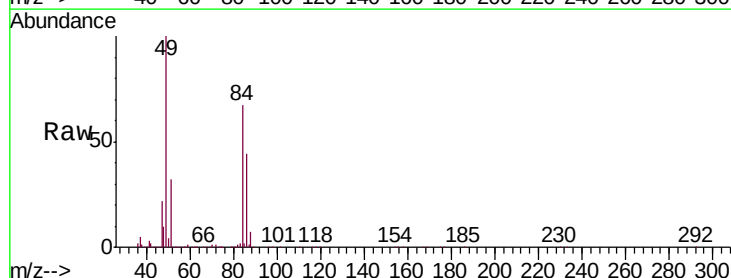
Ion Ratio Lower Upper

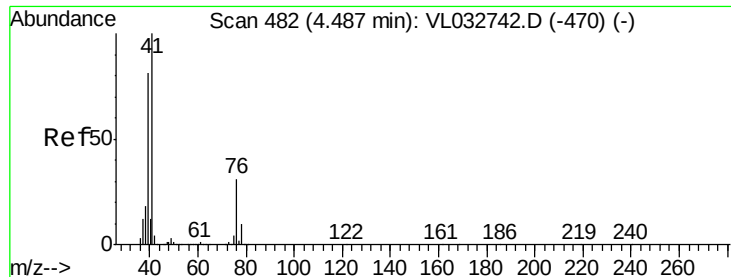
84 100

49 147.9 115.8 173.6

51 46.8 36.9 55.3

86 65.2 52.4 78.6





#21

Allyl Chloride

Concen: 10.896 ppbv

RT: 4.48 min Scan# 481

Delta R.T. -0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS02

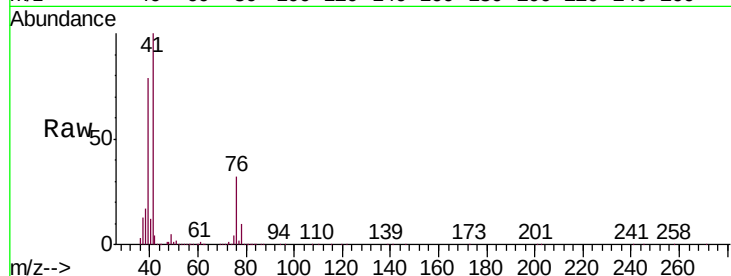
Tgt Ion: 41 Resp: 1260106

Ion Ratio Lower Upper

41 100

76 30.6 24.4 36.6

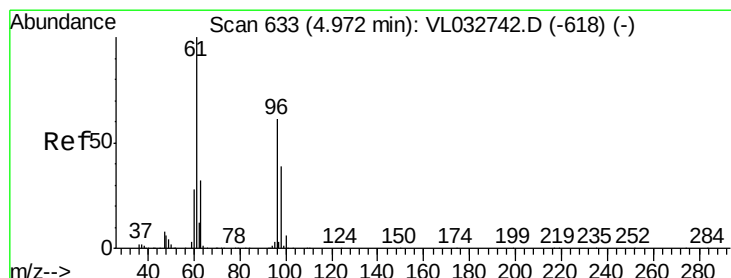
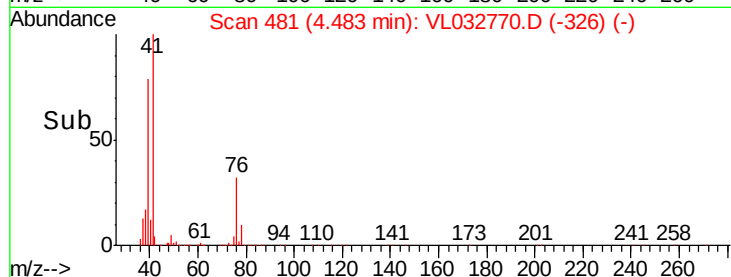
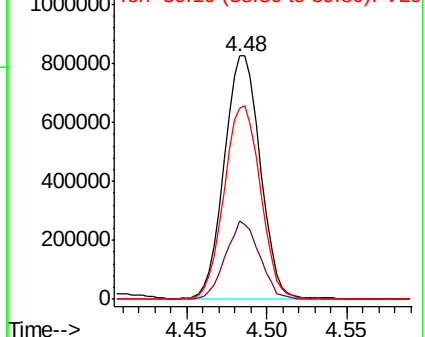
39 80.6 63.5 95.3



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: 9.195 ppbv

RT: 4.97 min Scan# 632

Delta R.T. -0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

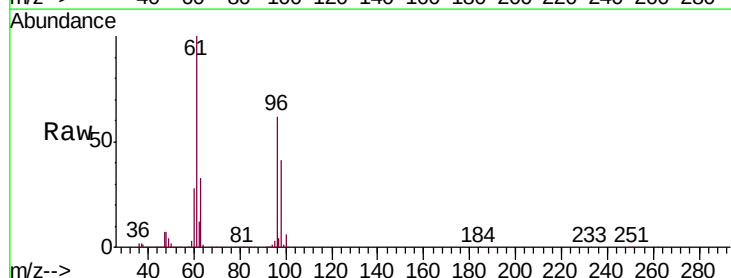
Tgt Ion: 96 Resp: 736192

Ion Ratio Lower Upper

96 100

61 161.2 130.2 195.2

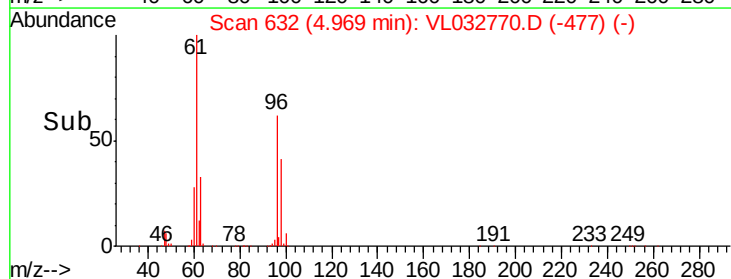
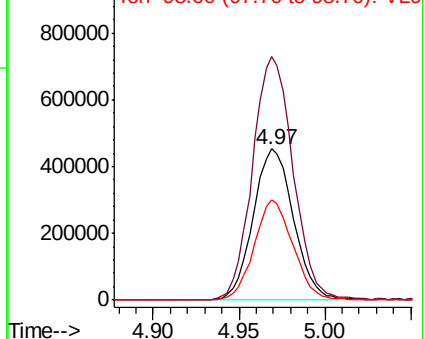
98 66.2 50.2 75.2

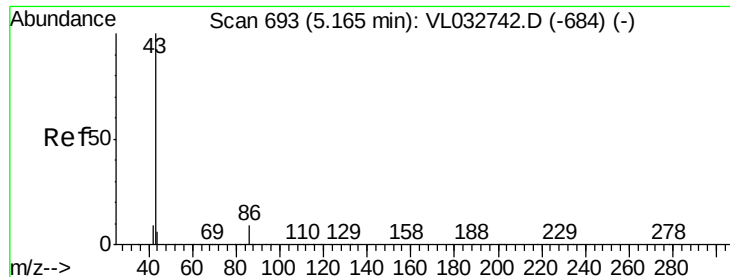


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.798 ppbv

RT: 5.16 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS02

Tgt Ion: 43 Resp: 2458028

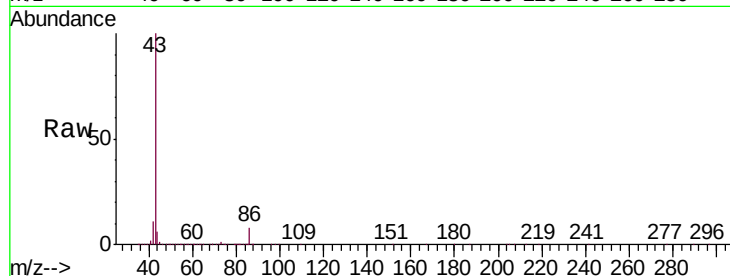
Ion Ratio Lower Upper

43 100

86 7.6 6.2 9.4

42 10.7 7.8 11.6

44 5.4 4.4 6.6

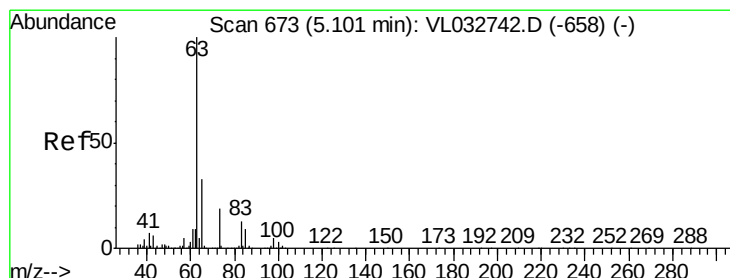
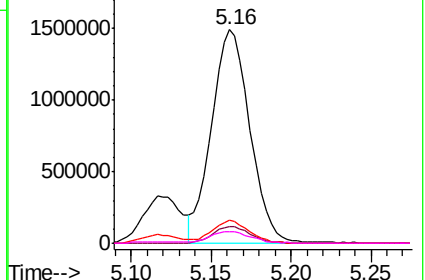
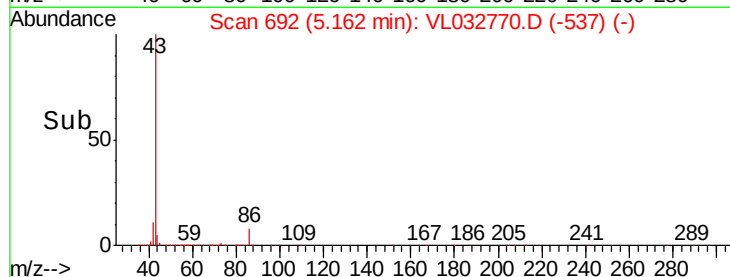


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.249 ppbv

RT: 5.10 min Scan# 673

Delta R.T. 0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

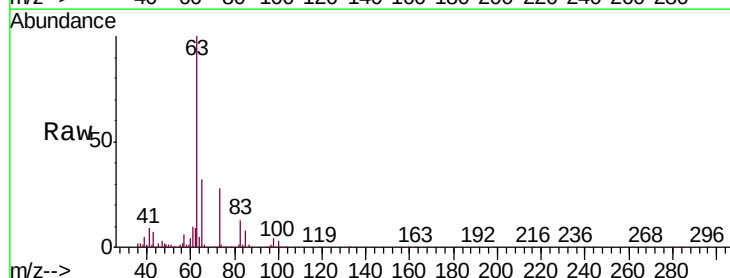
Tgt Ion: 63 Resp: 1844682

Ion Ratio Lower Upper

63 100

98 4.4 2.3 6.8

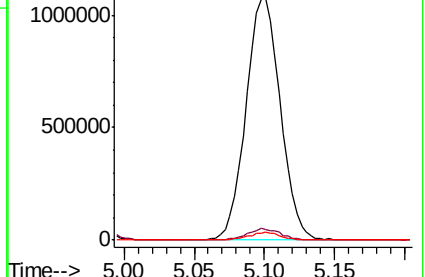
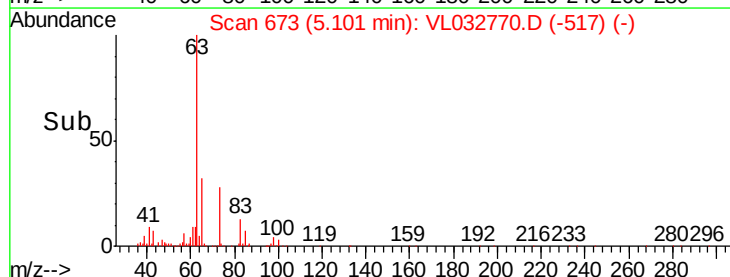
100 3.1 1.4 4.2

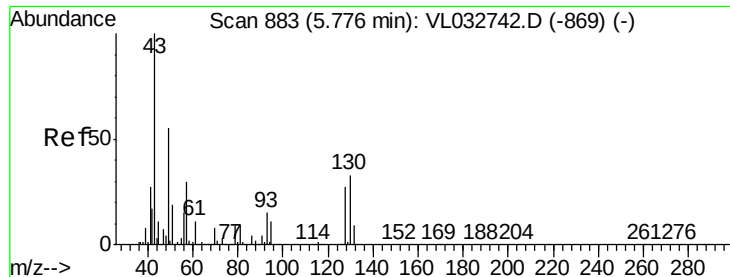


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

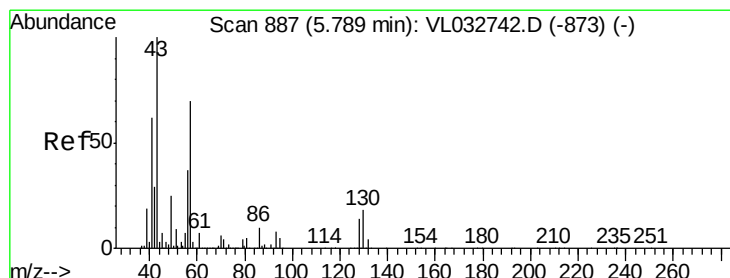
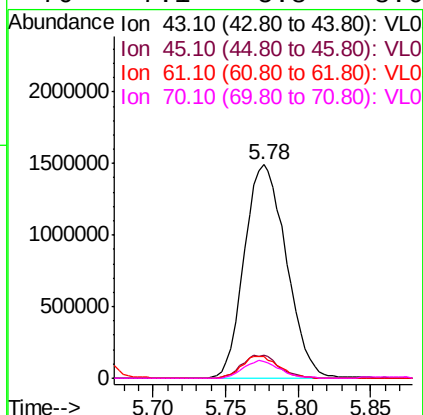
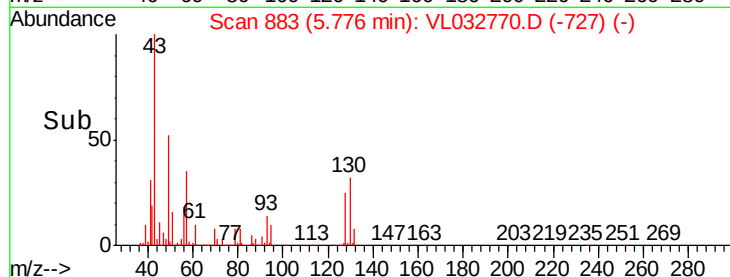
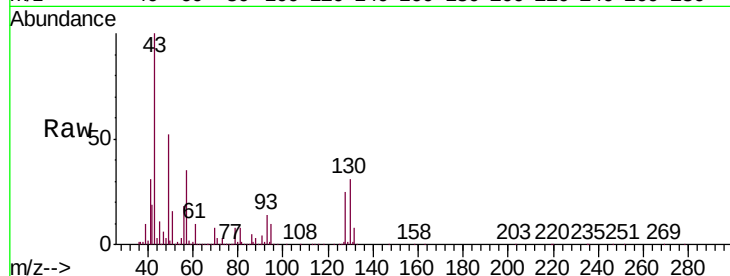




#25
Ethyl Acetate
Concen: 9.332 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

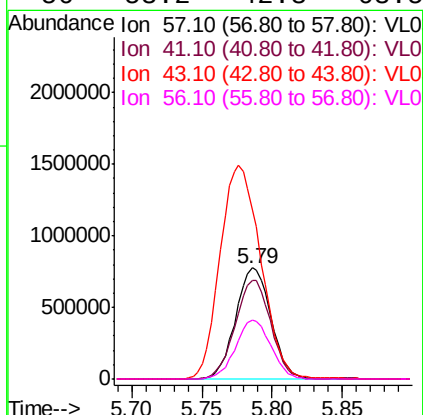
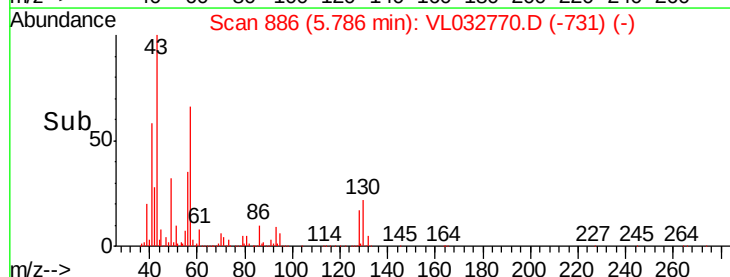
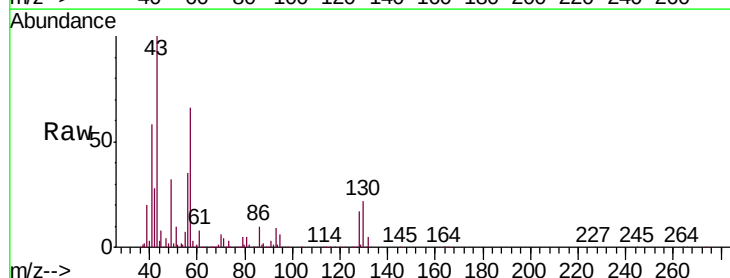
Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS02

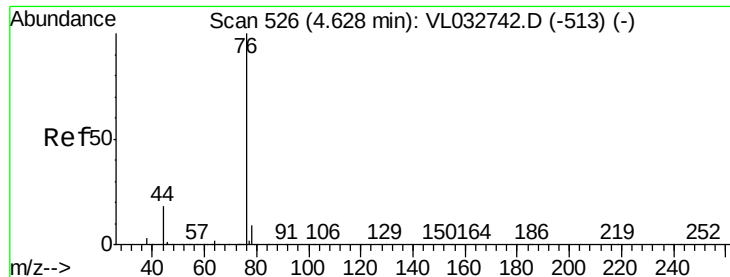
Tgt Ion: 43 Resp: 2993220
Ion Ratio Lower Upper
43 100
45 9.8 7.9 11.9
61 9.2 7.8 11.6
70 7.1 5.8 8.6



#26
Hexane
Concen: 9.537 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

Tgt Ion: 57 Resp: 1361663
Ion Ratio Lower Upper
57 100
41 89.5 70.3 105.5
43 221.2 174.0 261.0
56 53.2 42.3 63.5





#27

Carbon Disulfide

Concen: 10.275 ppbv

RT: 4.63 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS02

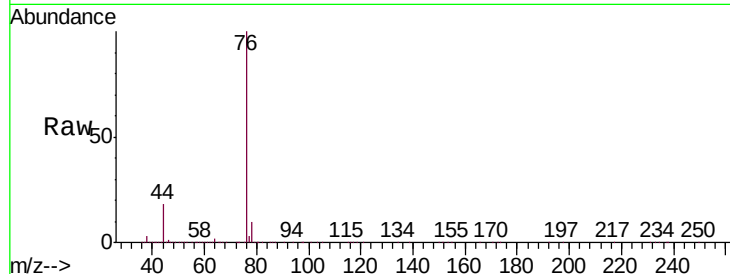
Tgt Ion: 76 Resp: 1860262

Ion Ratio Lower Upper

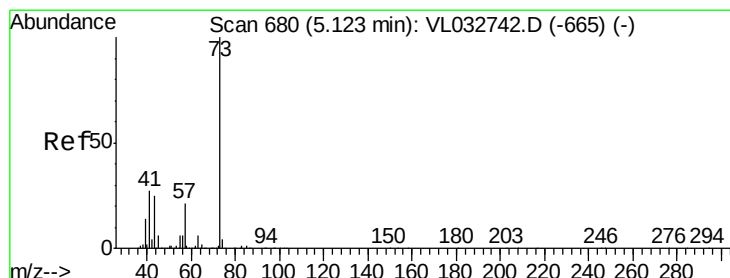
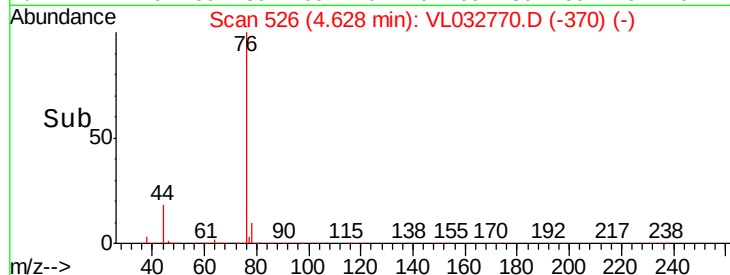
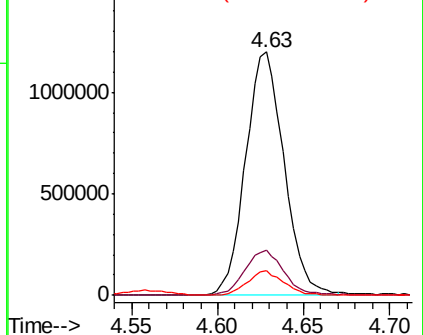
76 100

44 18.9 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: 9.755 ppbv

RT: 5.12 min Scan# 678

Delta R.T. -0.01 min

Lab File: VL032770.D

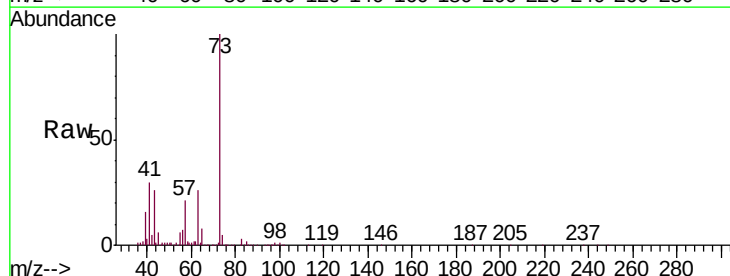
Acq: 14 Nov 2018 22:23

Tgt Ion: 73 Resp: 2221097

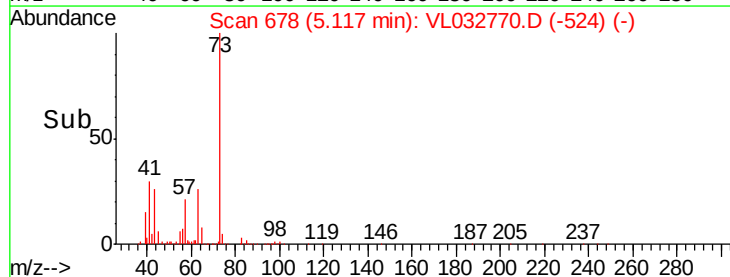
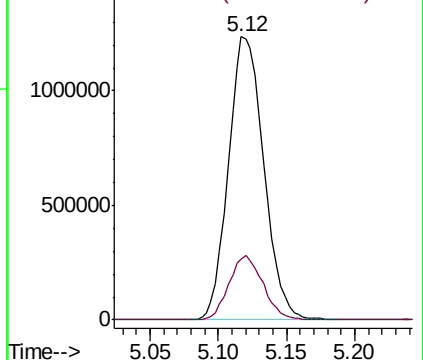
Ion Ratio Lower Upper

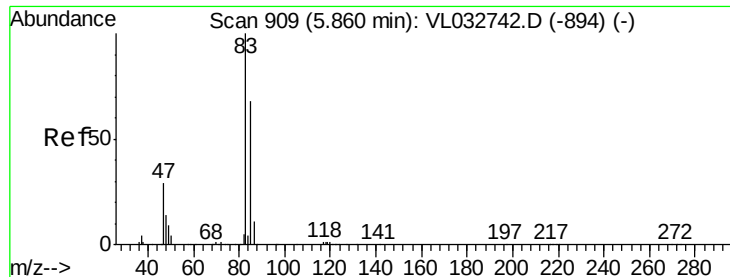
73 100

57 22.2 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: 9.100 ppbv

RT: 5.86 min Scan# 909

Delta R.T. 0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

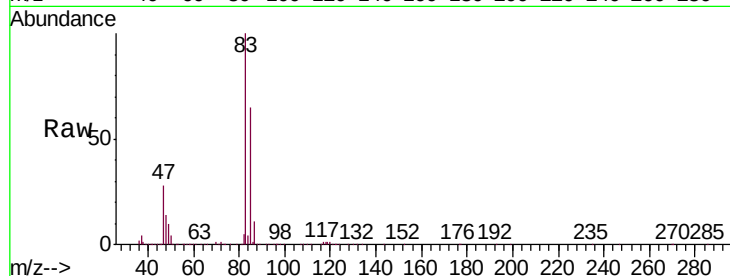
VL1114ABS02

Tgt Ion: 83 Resp: 2315963

Ion Ratio Lower Upper

83 100

85 64.5 54.2 81.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

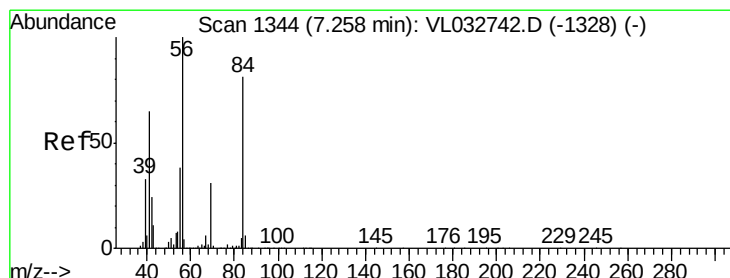
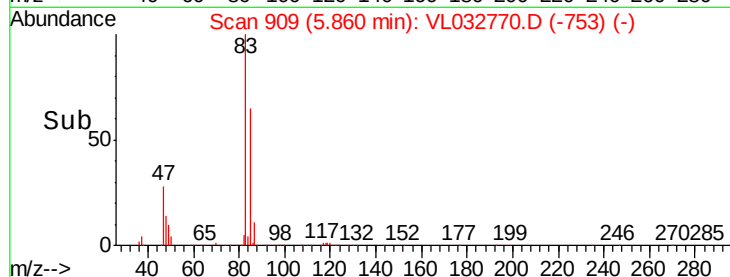
1500000

1000000

500000

0

Time--> 5.75 5.80 5.85 5.90



#30

Cyclohexane

Concen: 9.776 ppbv

RT: 7.26 min Scan# 1343

Delta R.T. -0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

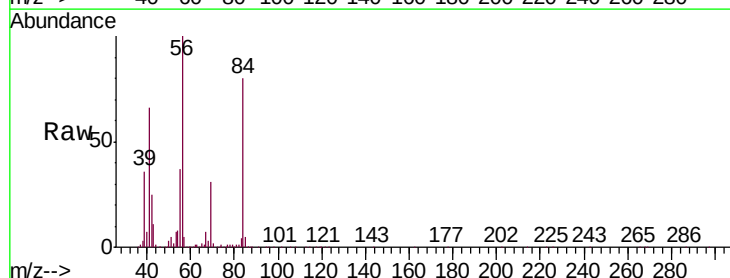
Tgt Ion: 84 Resp: 1220870

Ion Ratio Lower Upper

84 100

56 130.2 105.0 157.4

41 82.2 65.3 97.9



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

1000000

800000

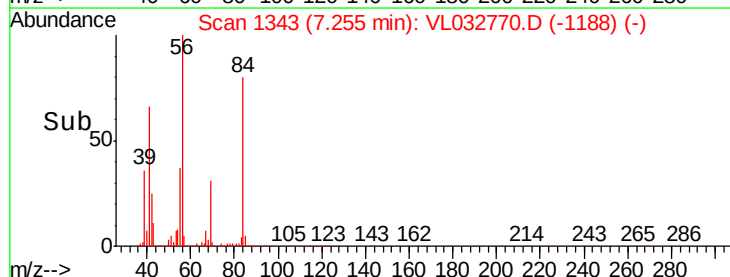
600000

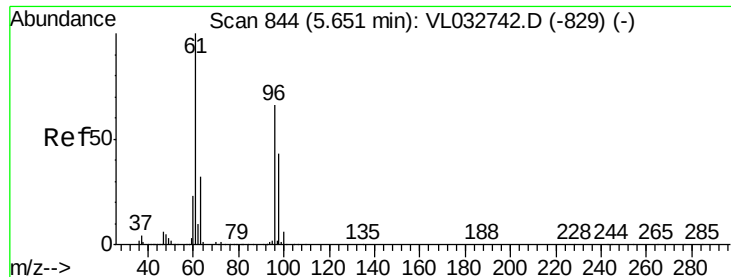
400000

200000

0

Time--> 7.15 7.20 7.25 7.30



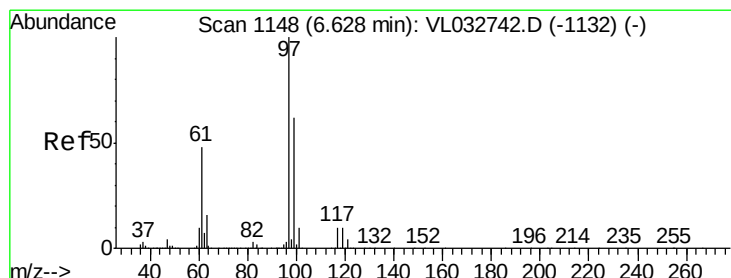
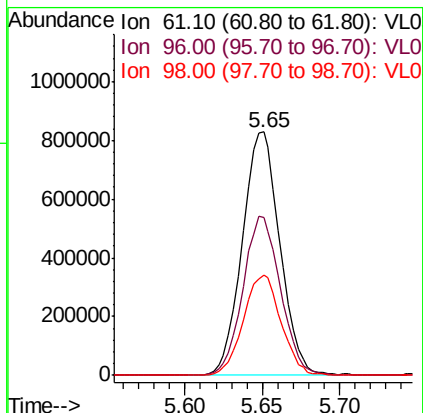
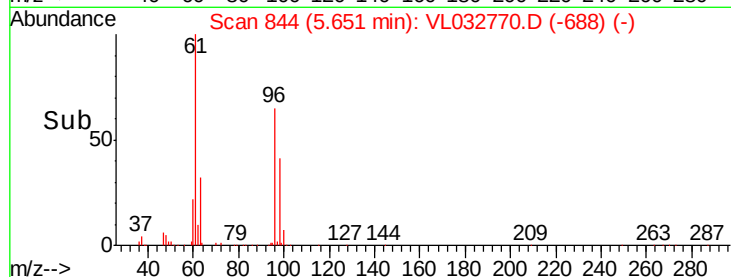
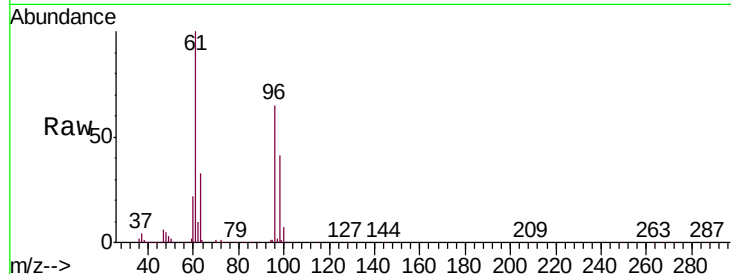


#31

cis-1,2-Dichloroethene
Concen: 9.766 ppbv
RT: 5.65 min Scan# 844
Delta R.T. 0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS02

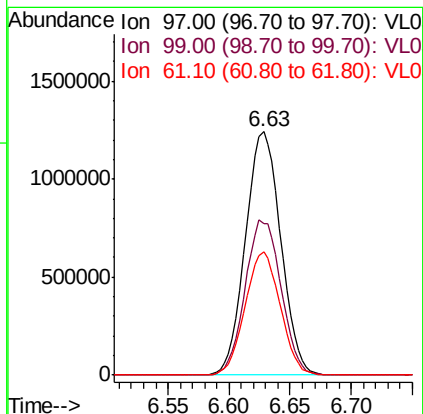
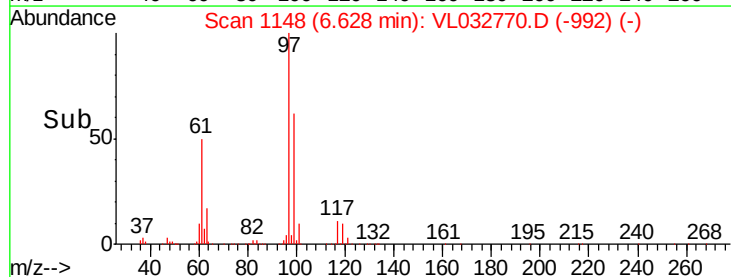
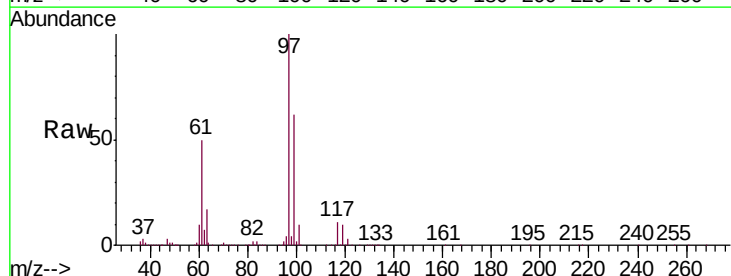
Tgt Ion: 61 Resp: 1402032
Ion Ratio Lower Upper
61 100
96 64.8 53.2 79.8
98 41.4 34.4 51.6

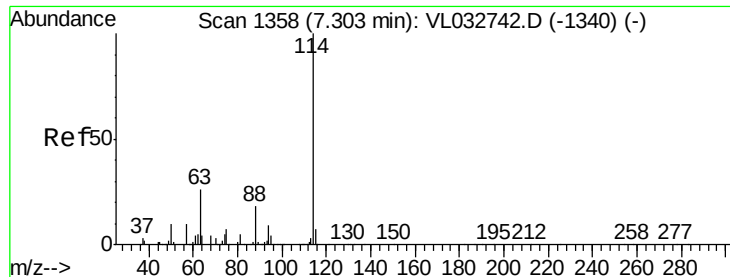


#32

1,1,1-Trichloroethane
Concen: 8.911 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

Tgt Ion: 97 Resp: 2485740
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.6
61 50.3 39.7 59.5

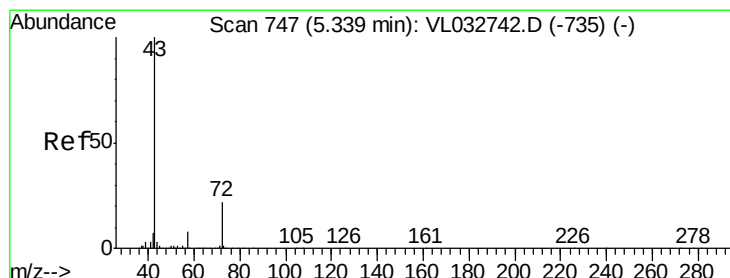
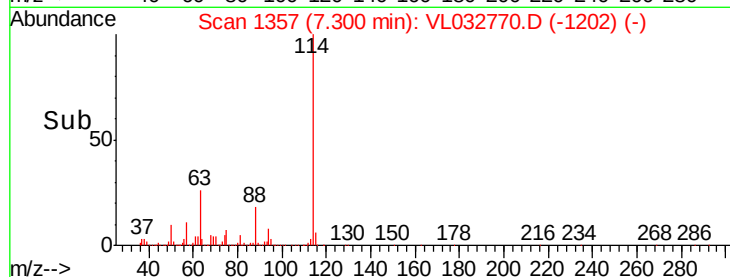
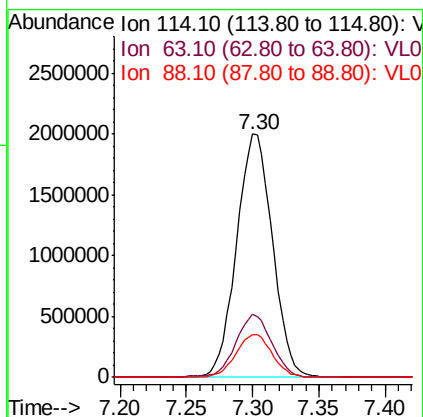
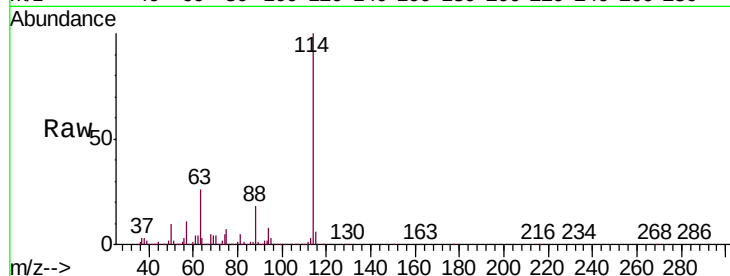




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VL032770.D
 Acq: 14 Nov 2018 22:23

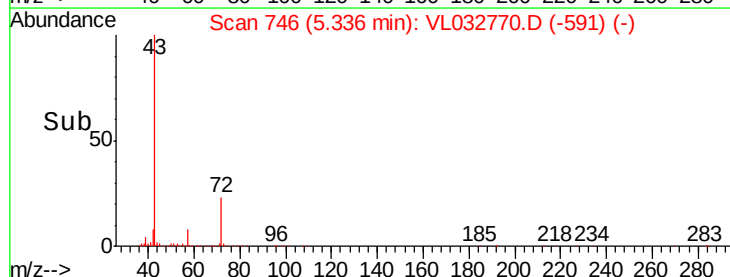
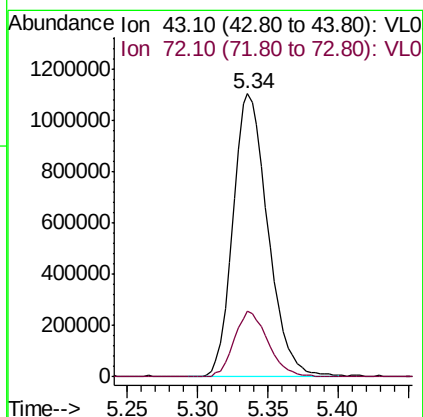
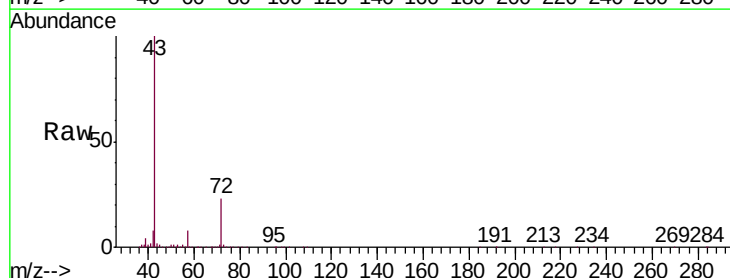
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1114ABS02

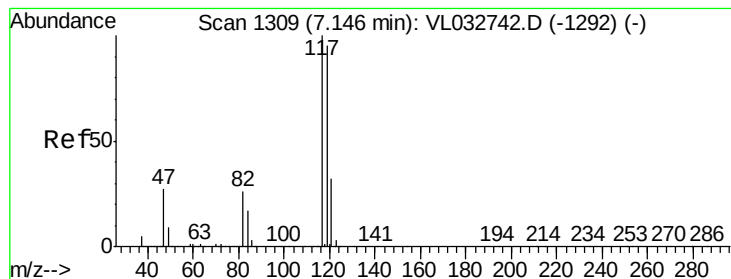
Tgt Ion: 114 Resp: 3756850
 Ion Ratio Lower Upper
 114 100
 63 26.2 20.9 31.3
 88 17.9 14.4 21.6



#34
 2-Butanone
 Concen: 9.806 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VL032770.D
 Acq: 14 Nov 2018 22:23

Tgt Ion: 43 Resp: 1910816
 Ion Ratio Lower Upper
 43 100
 72 22.7 18.4 27.6





#35

Carbon Tetrachloride

Concen: 9.004 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. -0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS02

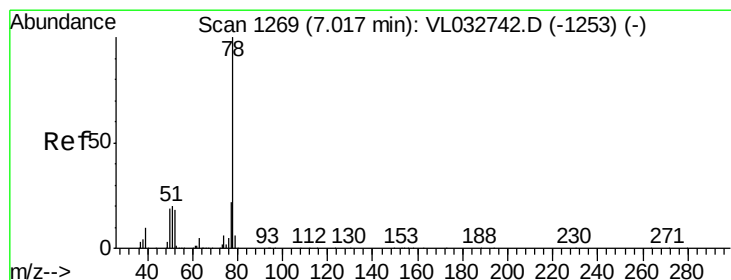
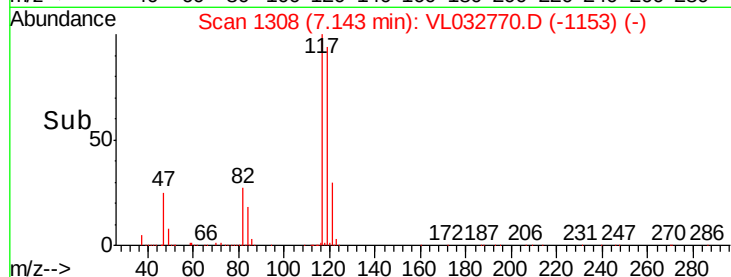
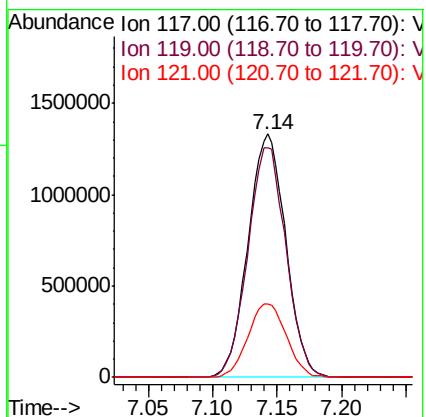
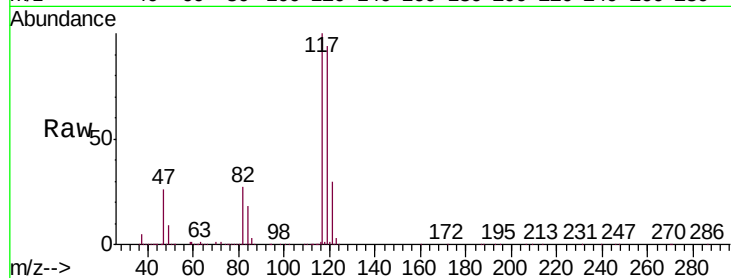
Tgt Ion:117 Resp: 2719199

Ion Ratio Lower Upper

117 100

119 94.4 76.1 114.1

121 30.4 25.4 38.0



#36

Benzene

Concen: 9.699 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

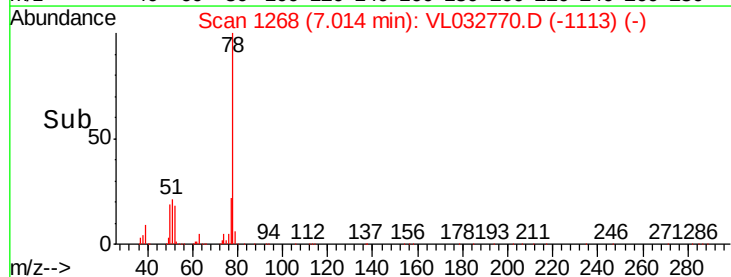
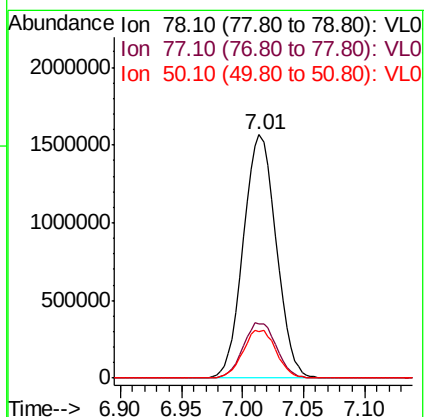
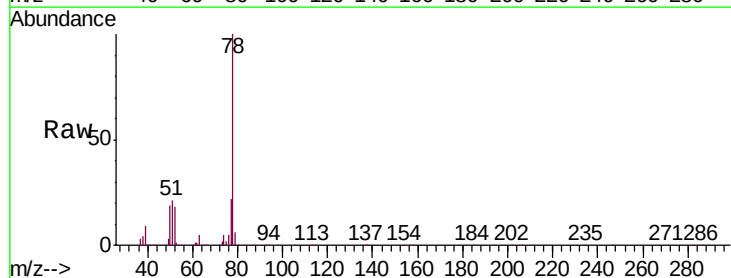
Tgt Ion: 78 Resp: 2901730

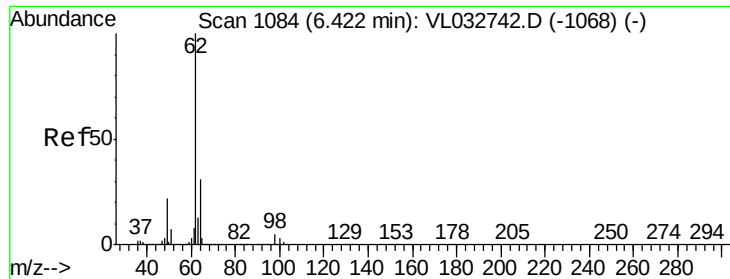
Ion Ratio Lower Upper

78 100

77 22.3 17.8 26.8

50 19.4 15.4 23.0

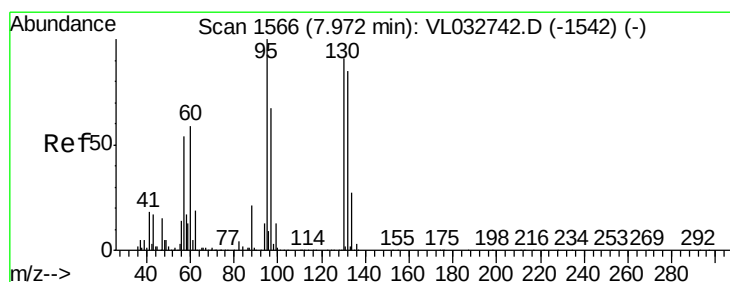
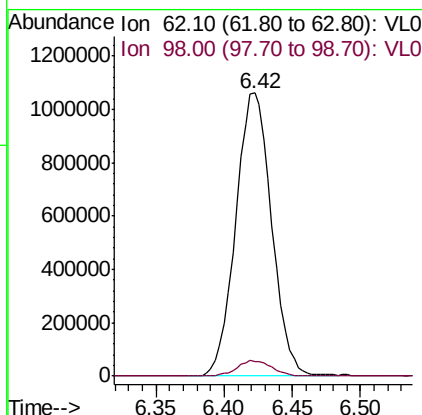
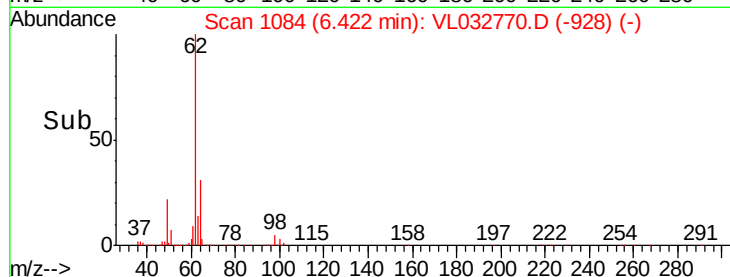
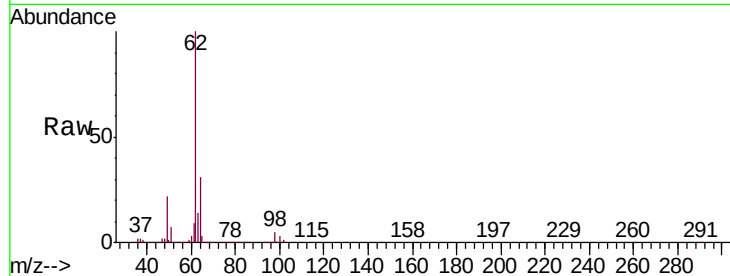




#37
 1,2-Dichloroethane
 Concen: 9.624 ppbv
 RT: 6.42 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: VL032770.D
 Acq: 14 Nov 2018 22:23

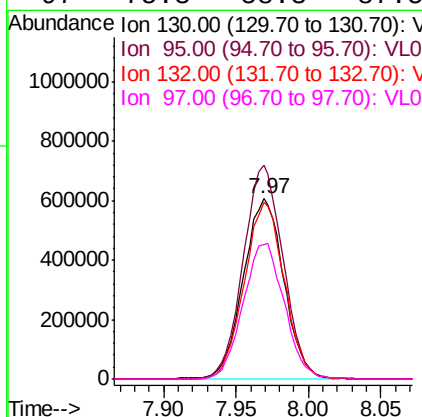
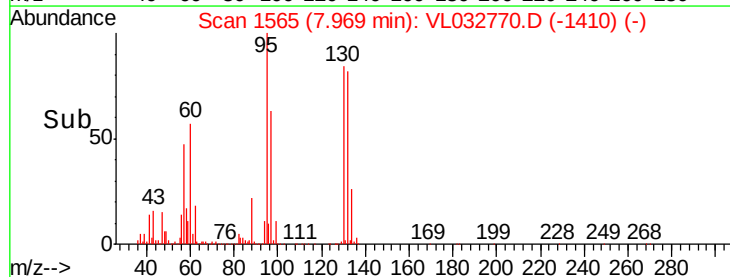
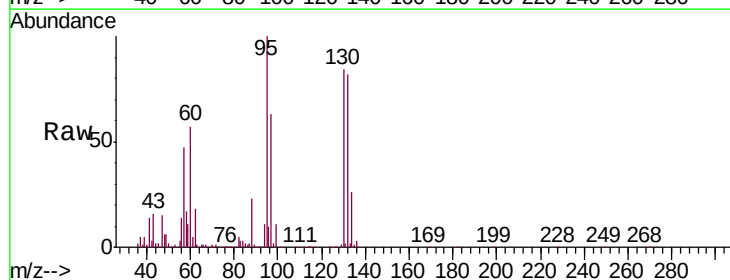
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1114ABS02

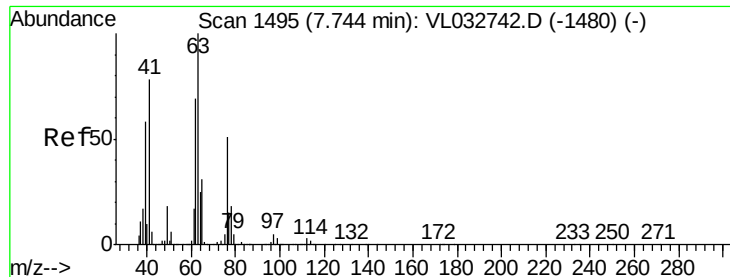
Tgt Ion: 62 Resp: 1938096
 Ion Ratio Lower Upper
 62 100
 98 5.4 4.5 6.7



#38
 Trichloroethene
 Concen: 9.666 ppbv
 RT: 7.97 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VL032770.D
 Acq: 14 Nov 2018 22:23

Tgt Ion: 130 Resp: 1170283
 Ion Ratio Lower Upper
 130 100
 95 119.0 87.7 131.5
 132 98.1 74.6 111.8
 97 75.3 58.3 87.5





#39

1,2-Dichloropropane

Concen: 9.603 ppbv

RT: 7.74 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS02

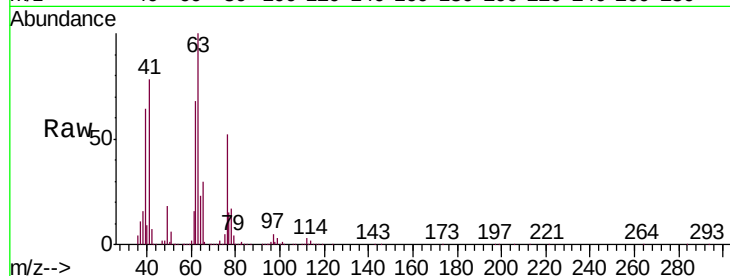
Tgt Ion: 63 Resp: 1094557

Ion Ratio Lower Upper

63 100

41 78.4 62.0 93.0

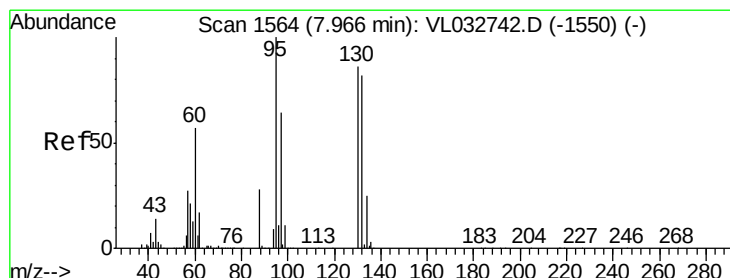
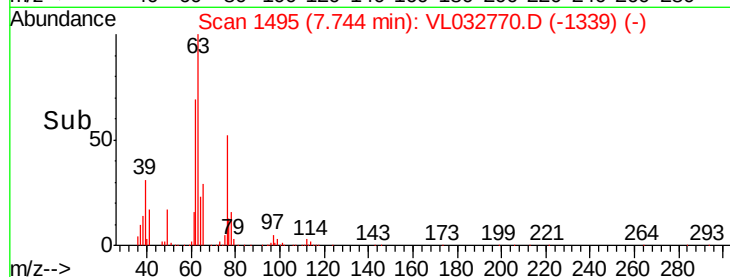
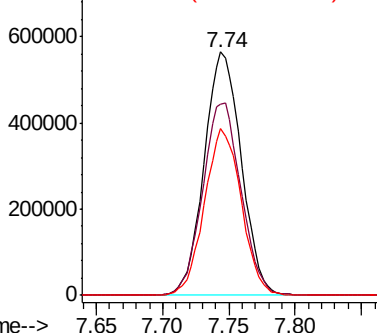
62 68.5 55.4 83.2



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: 10.224 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Tgt Ion: 88 Resp: 416232

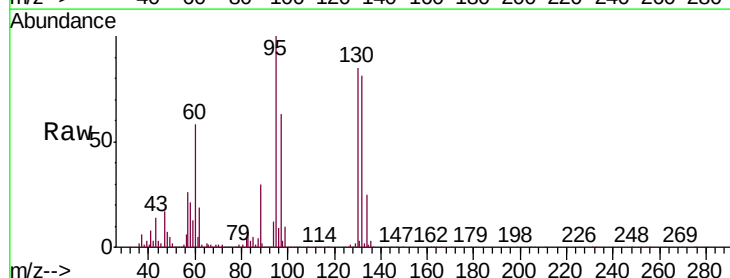
Ion Ratio Lower Upper

88 100

58 126.2 105.3 157.9

43 268.3 226.1 339.1

57 1185.8 1015.2 1522.8

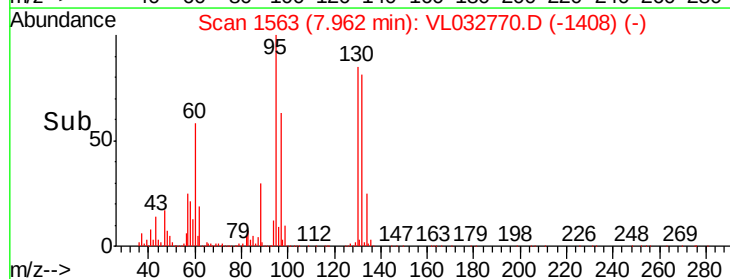
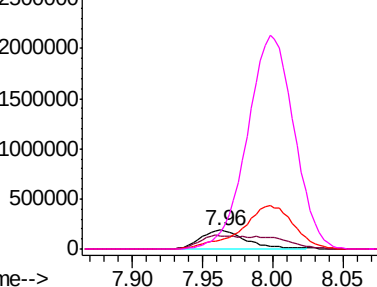


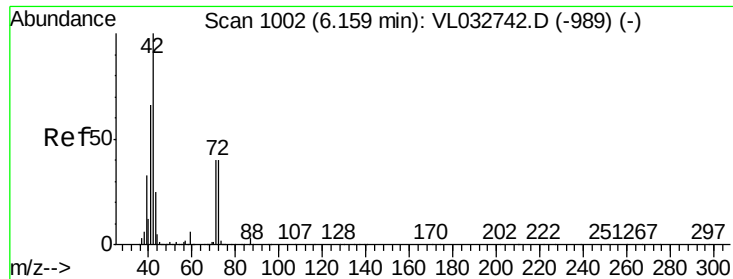
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

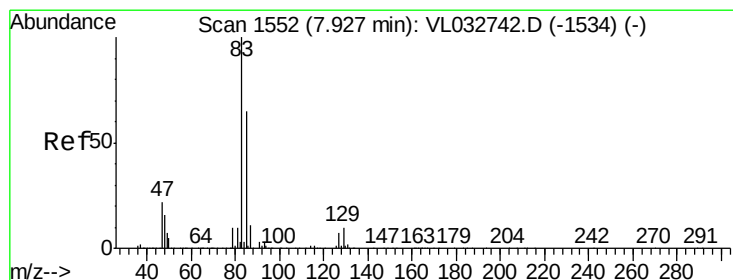
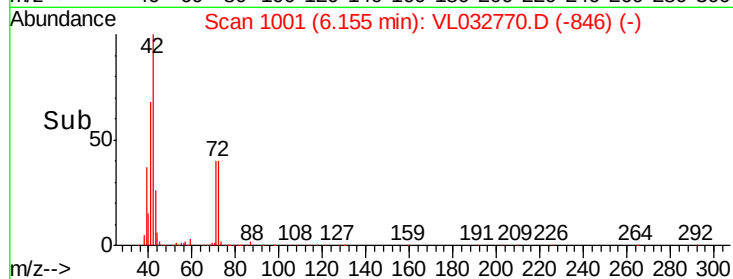
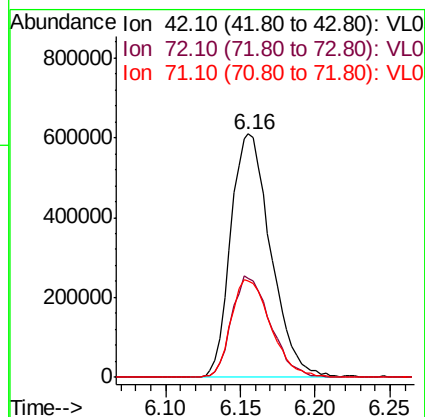
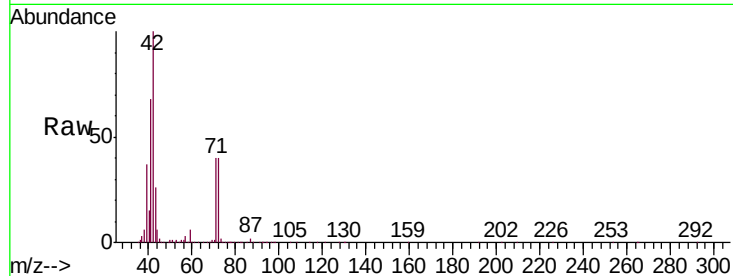




#41
Tetrahydrofuran
Concen: 10.172 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

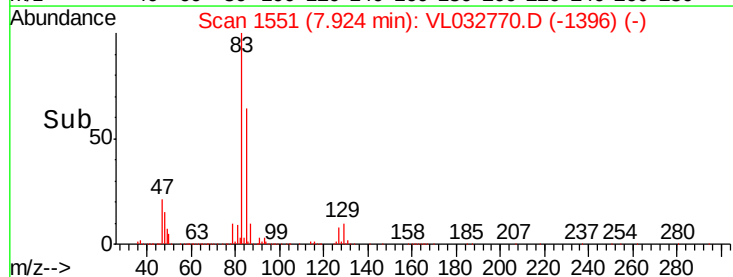
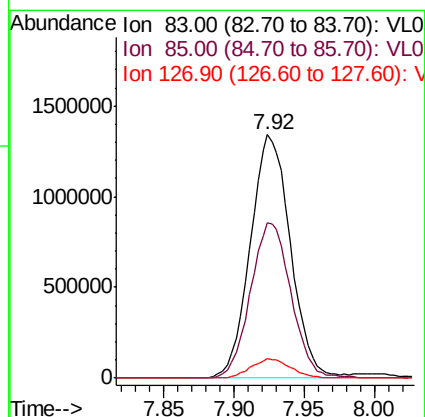
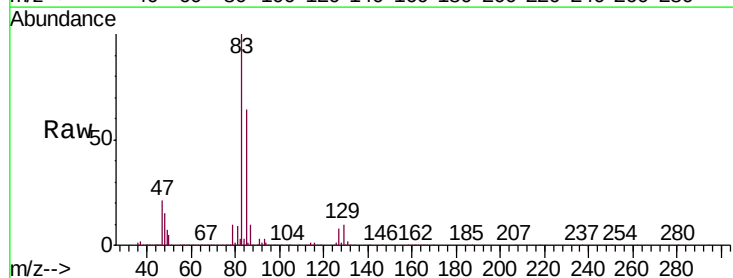
Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS02

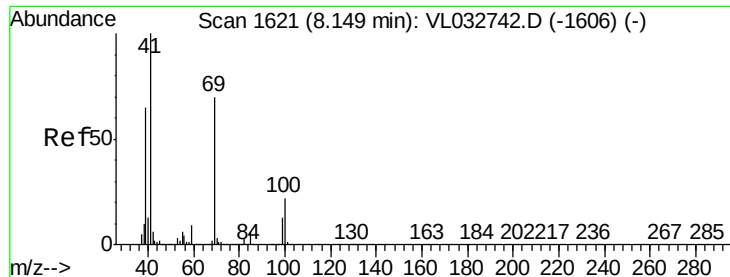
Tgt Ion: 42 Resp: 1136926
Ion Ratio Lower Upper
42 100
72 40.5 32.4 48.6
71 40.1 31.6 47.4



#42
Bromodichloromethane
Concen: 9.733 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

Tgt Ion: 83 Resp: 2657004
Ion Ratio Lower Upper
83 100
85 64.0 51.8 77.8
127 8.2 5.9 8.9

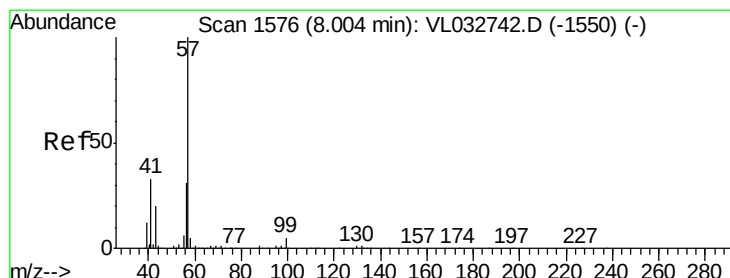
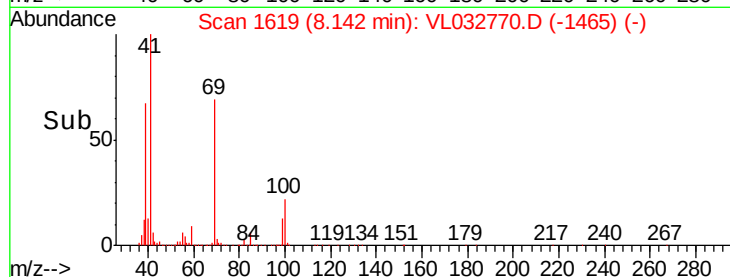
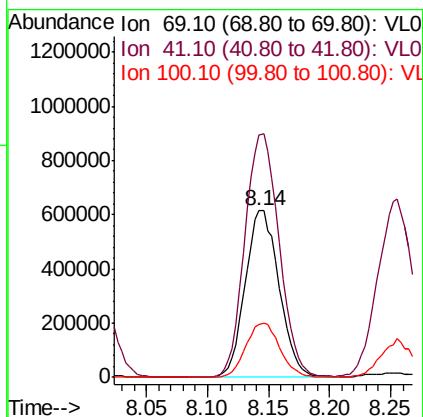
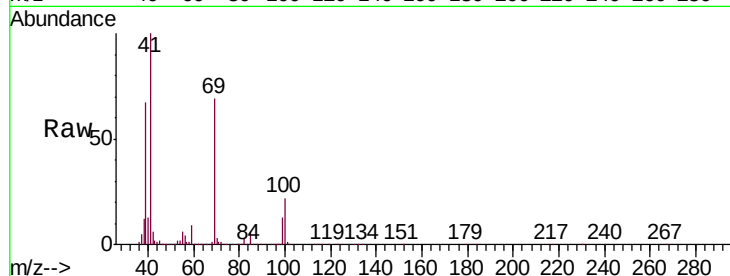




#43
Methyl Methacrylate
Concen: 10.518 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. -0.01 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

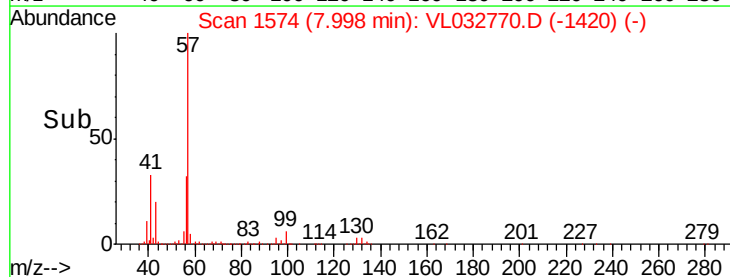
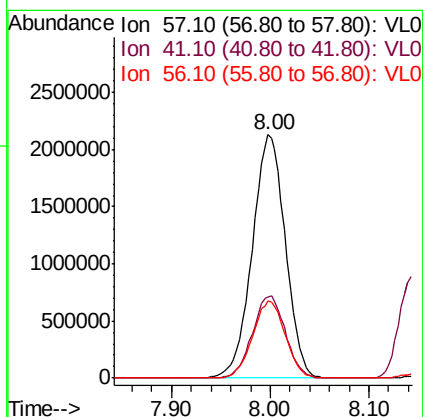
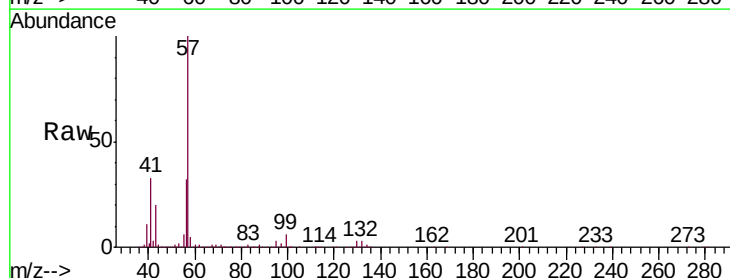
Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS02

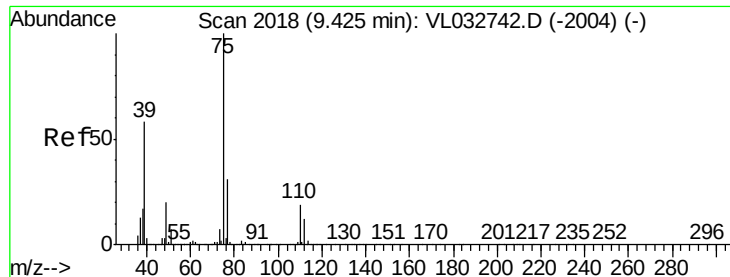
Tgt Ion: 69 Resp: 1174778
Ion Ratio Lower Upper
69 100
41 147.8 115.0 172.4
100 32.7 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 9.863 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.01 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

Tgt Ion: 57 Resp: 4930882
Ion Ratio Lower Upper
57 100
41 33.7 26.6 39.8
56 31.1 24.8 37.2





#45

t-1,3-Dichloropropene

Concen: 11.415 ppbv

RT: 9.43 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

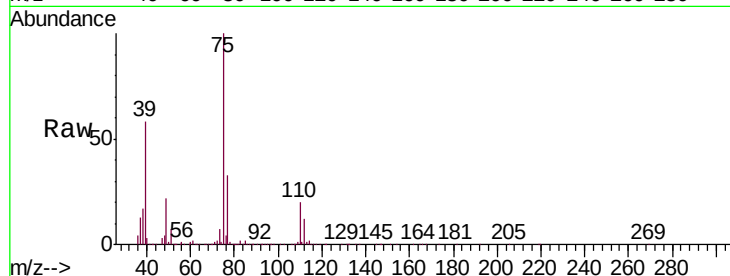
VL1114ABS02

Tgt Ion: 75 Resp: 1710724

Ion Ratio Lower Upper

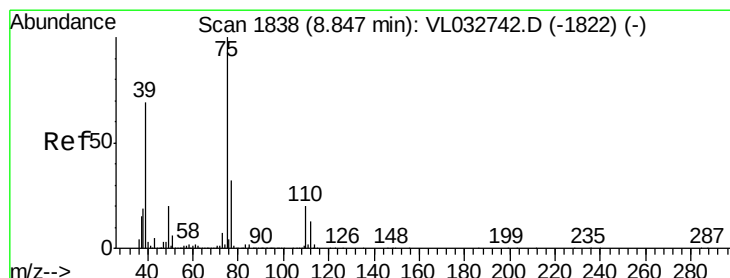
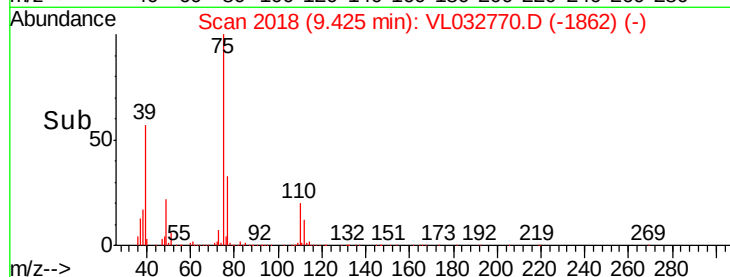
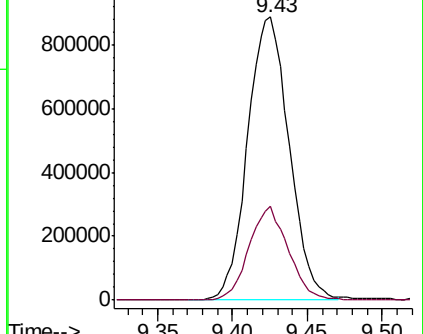
75 100

77 33.0 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: 10.963 ppbv

RT: 8.84 min Scan# 1837

Delta R.T. -0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

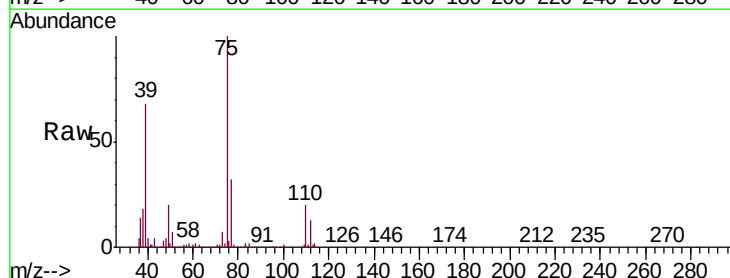
Tgt Ion: 75 Resp: 1985053

Ion Ratio Lower Upper

75 100

39 68.4 55.2 82.8

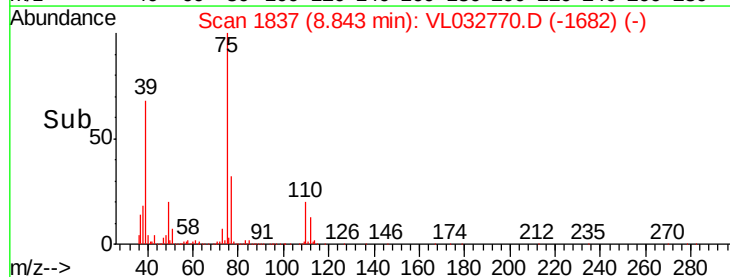
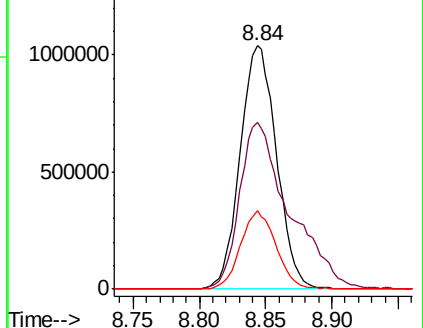
77 32.3 25.8 38.6

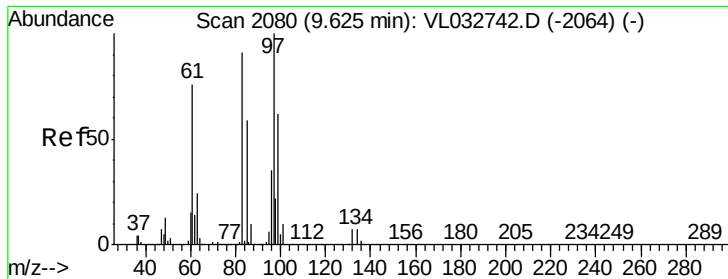


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 9.733 ppbv

RT: 9.62 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS02

Tgt Ion: 97 Resp: 1311770

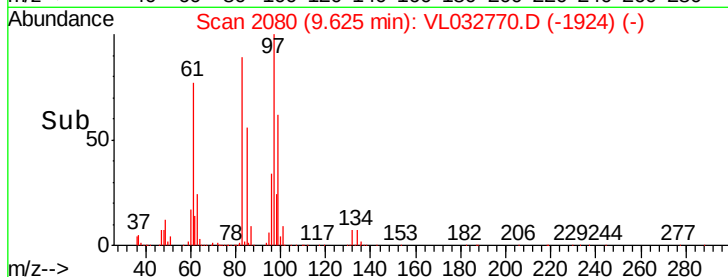
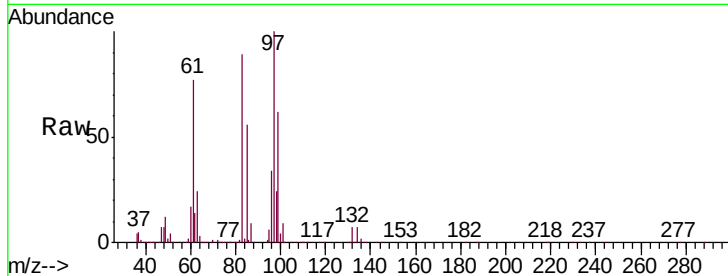
Ion	Ratio	Lower	Upper
97	100		
83	88.7	73.0	109.4
85	55.8	47.0	70.4
99	62.0	49.9	74.9

97 100

83 88.7 73.0 109.4

85 55.8 47.0 70.4

99 62.0 49.9 74.9

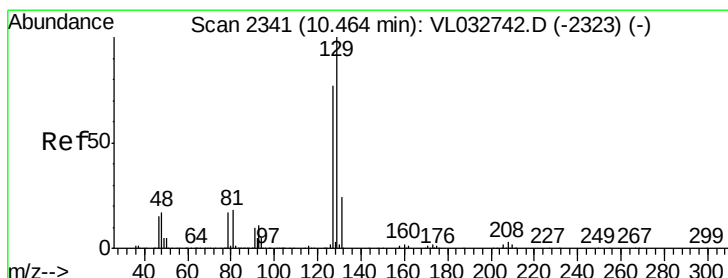
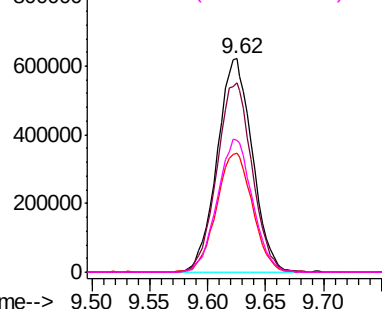


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.733 ppbv

RT: 10.46 min Scan# 2339

Delta R.T. -0.01 min

Lab File: VL032770.D

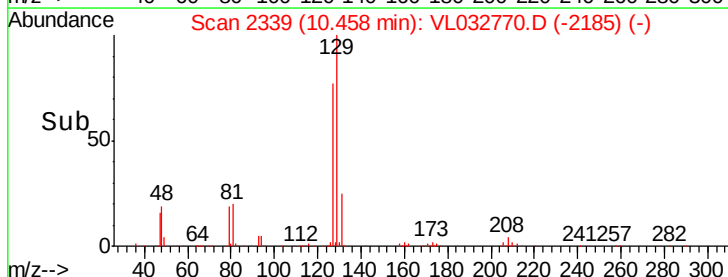
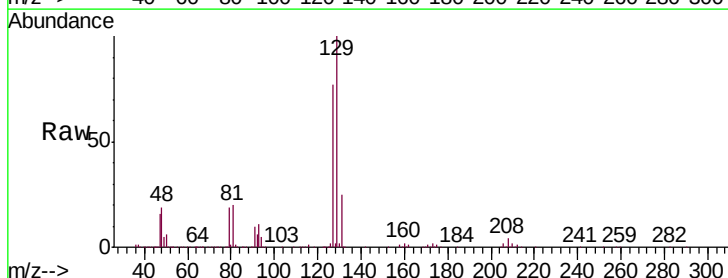
Acq: 14 Nov 2018 22:23

Tgt Ion: 129 Resp: 2229563

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.0	117.0

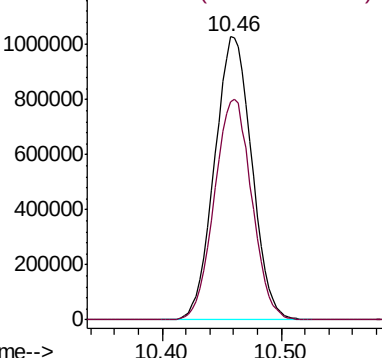
129 100

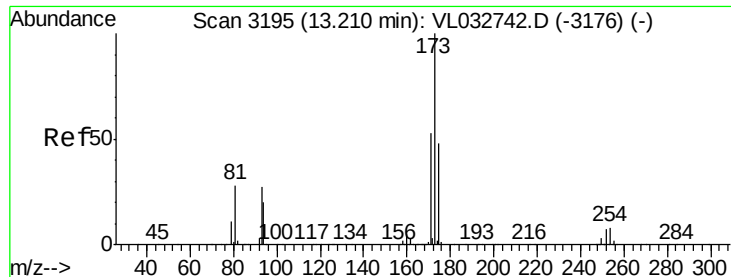
127 78.5 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.537 ppbv

RT: 13.21 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS02

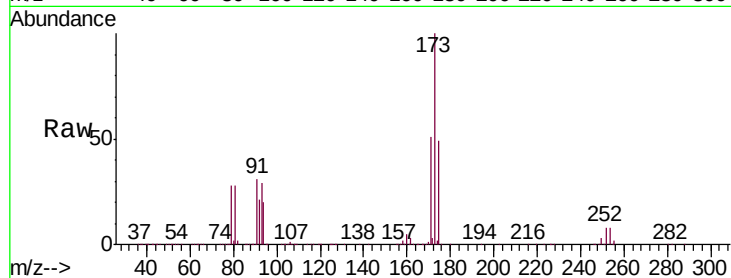
Tgt Ion:173 Resp: 1804300

Ion Ratio Lower Upper

173 100

175 48.5 39.4 59.0

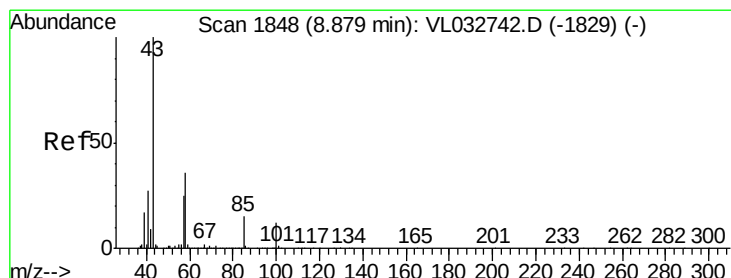
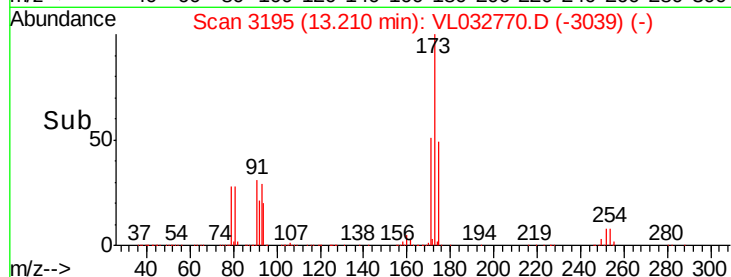
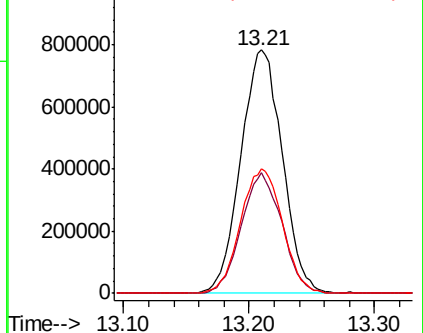
171 51.7 42.0 63.0



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: 10.116 ppbv

RT: 8.88 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VL032770.D

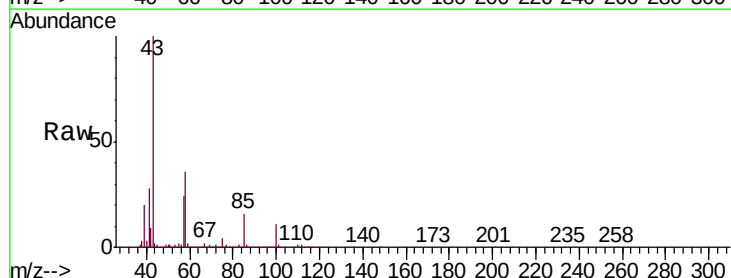
Acq: 14 Nov 2018 22:23

Tgt Ion: 43 Resp: 3078662

Ion Ratio Lower Upper

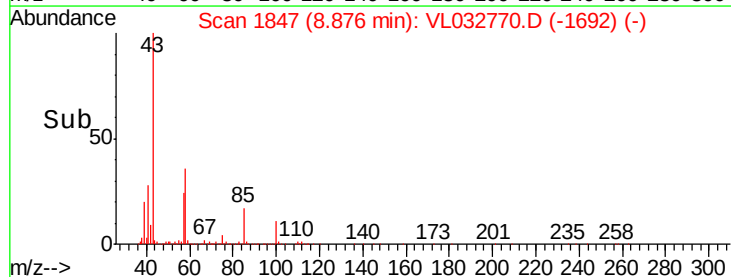
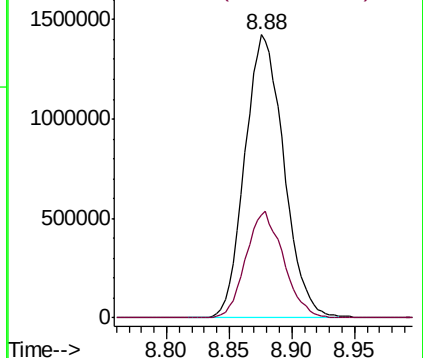
43 100

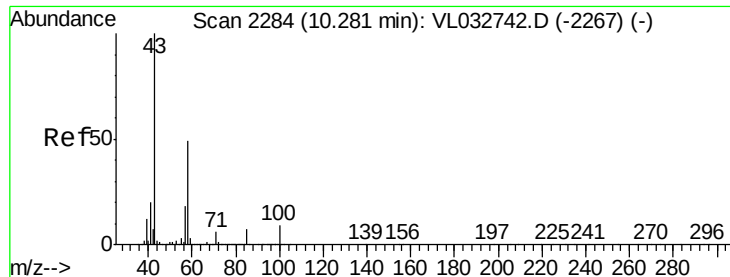
58 36.5 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

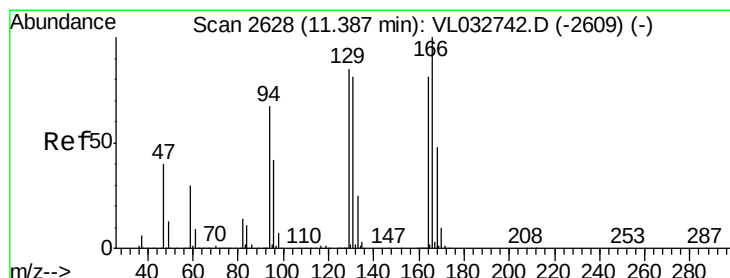
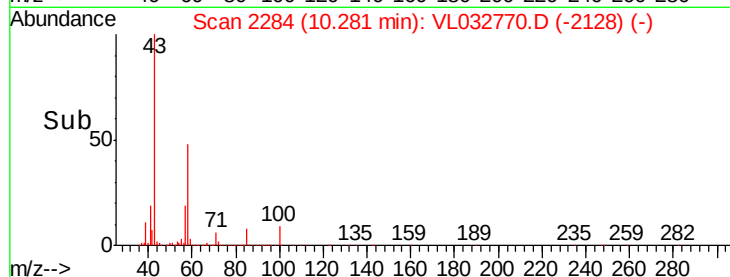
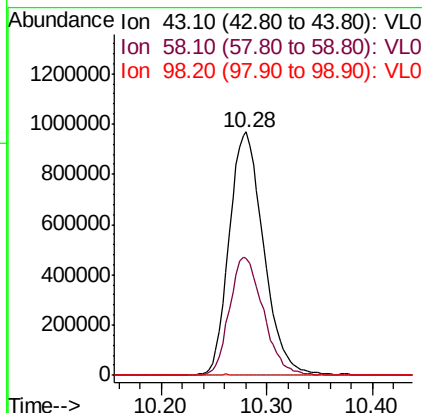
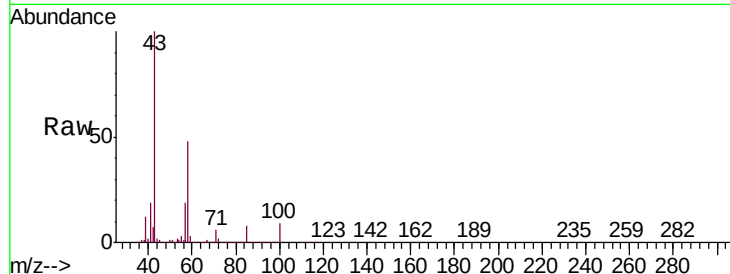




#51
2-Hexanone
Concen: 11.170 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

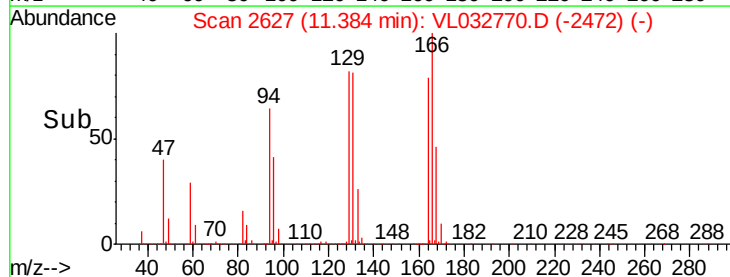
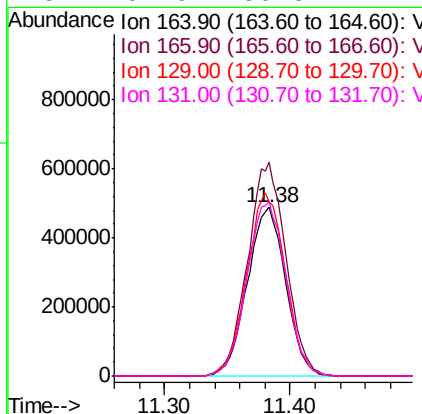
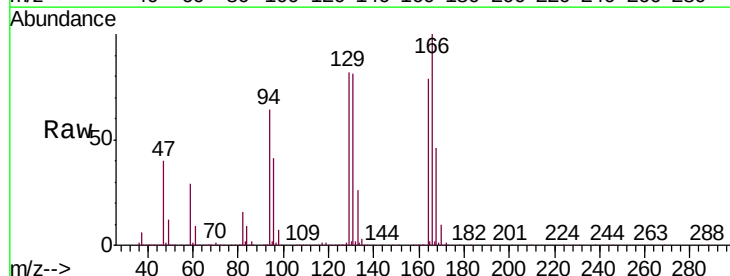
Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS02

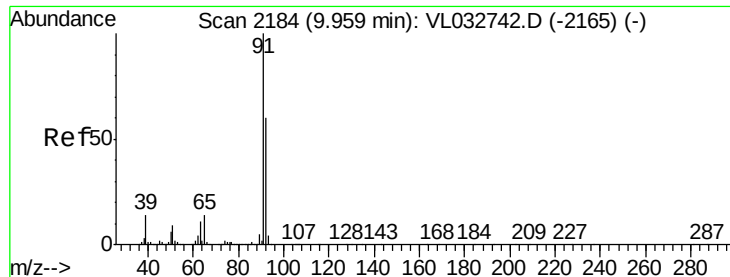
Tgt Ion: 43 Resp: 2190120
Ion Ratio Lower Upper
43 100
58 47.9 38.9 58.3
98 0.2 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.973 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

Tgt Ion: 164 Resp: 1037900
Ion Ratio Lower Upper
164 100
166 126.5 99.3 148.9
129 103.3 83.9 125.9
131 102.9 80.8 121.2





#53

Toluene

Concen: 10.867 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

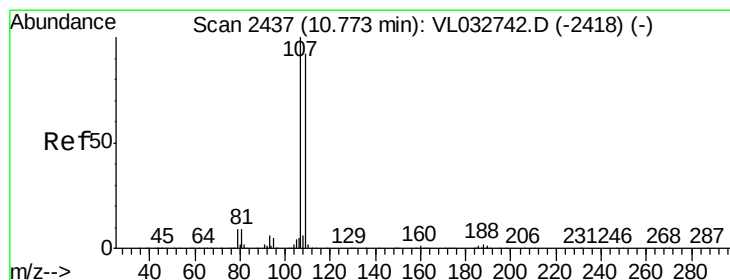
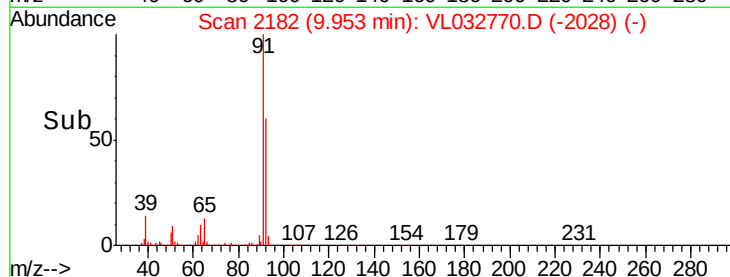
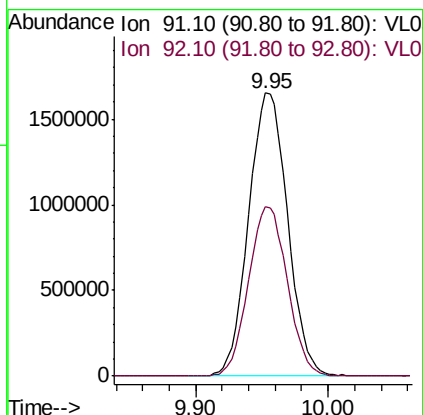
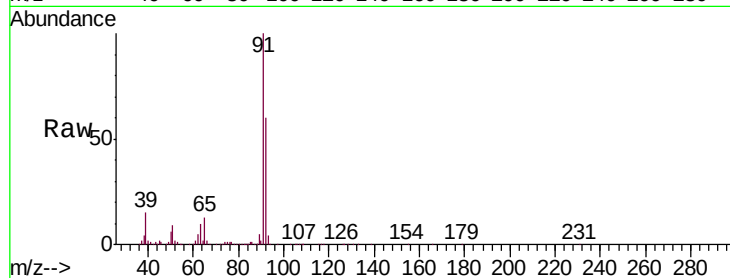
VL1114ABS02

Tgt Ion: 91 Resp: 3391536

Ion Ratio Lower Upper

91 100

92 59.6 47.9 71.9



#54

1,2-Dibromoethane

Concen: 9.911 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. -0.01 min

Lab File: VL032770.D

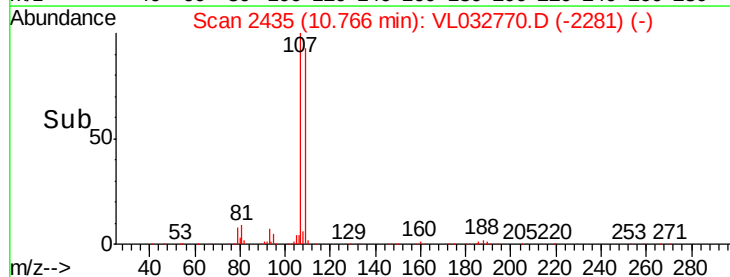
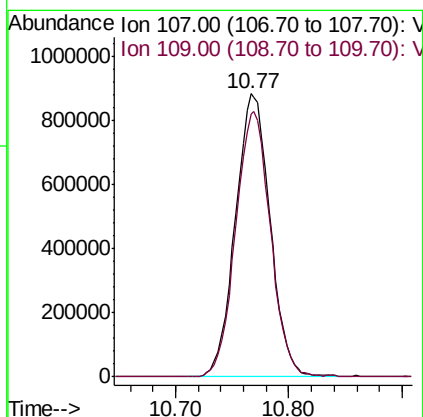
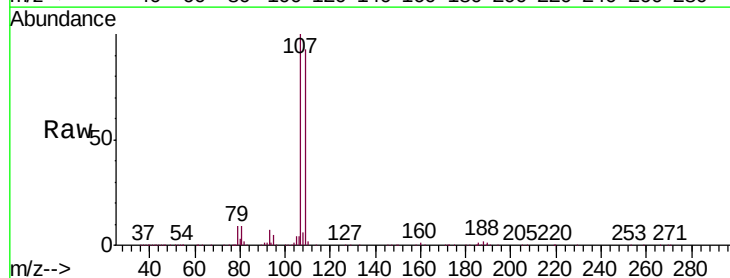
Acq: 14 Nov 2018 22:23

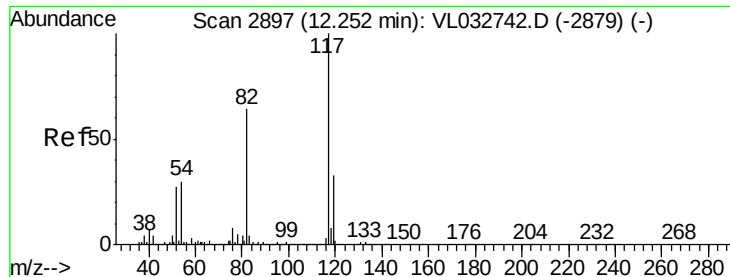
Tgt Ion: 107 Resp: 1888375

Ion Ratio Lower Upper

107 100

109 92.7 73.8 110.8

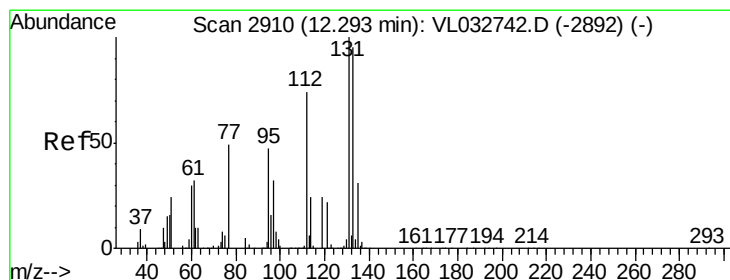
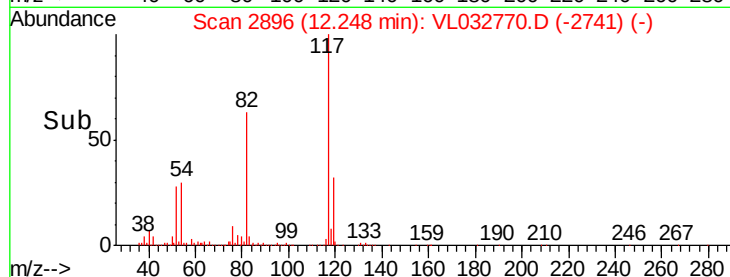
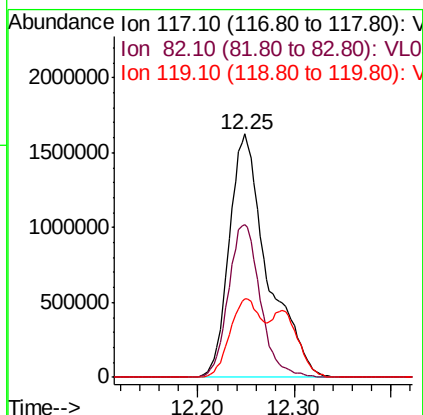
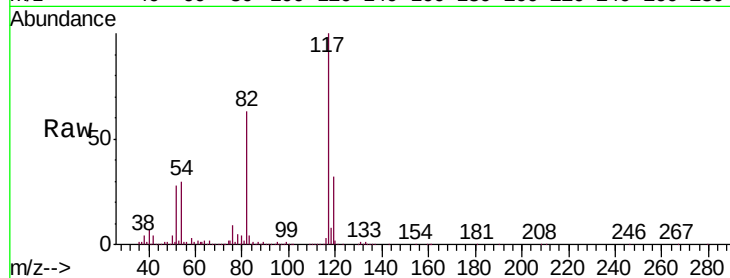




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

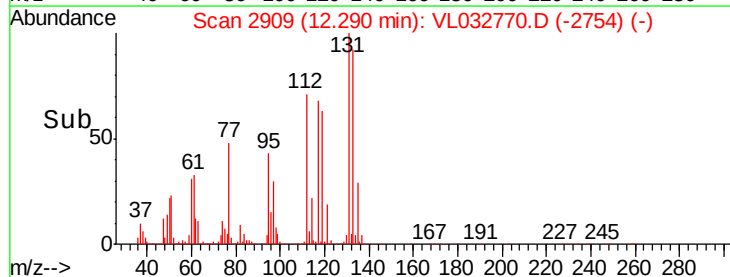
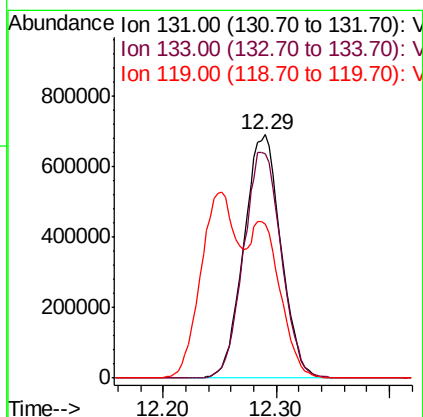
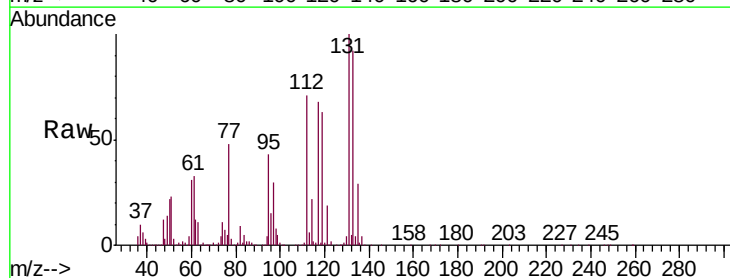
Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS02

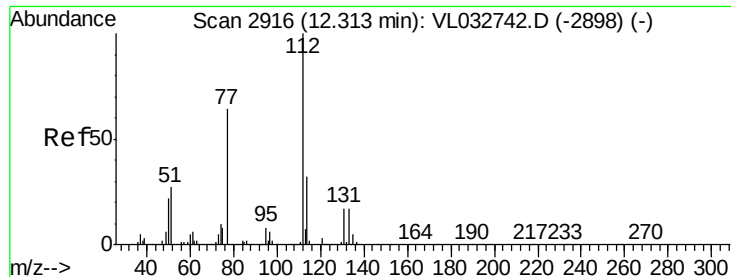
Tgt Ion:117 Resp: 4464069
Ion Ratio Lower Upper
117 100
82 52.9 51.0 76.6
119 46.5 28.0 42.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.539 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

Tgt Ion:131 Resp: 1569635
Ion Ratio Lower Upper
131 100
133 94.7 75.8 113.6
119 51.2 45.2 67.8





#57

Chlorobenzene

Concen: 7.413 ppbv

RT: 12.31 min Scan# 2915

Delta R.T. -0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS02

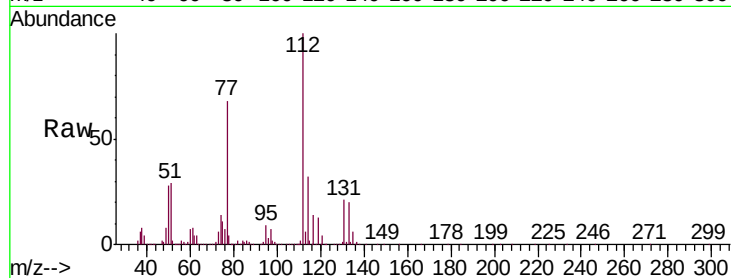
Tgt Ion: 112 Resp: 2533191

Ion Ratio Lower Upper

112 100

77 67.9 52.3 78.5

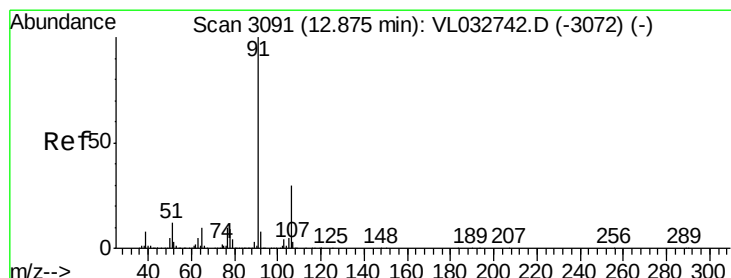
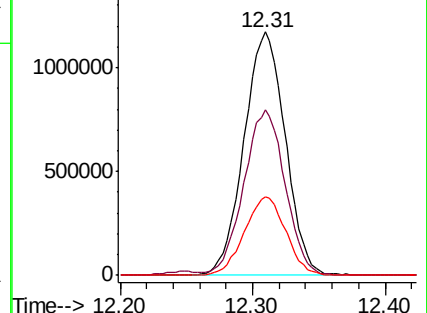
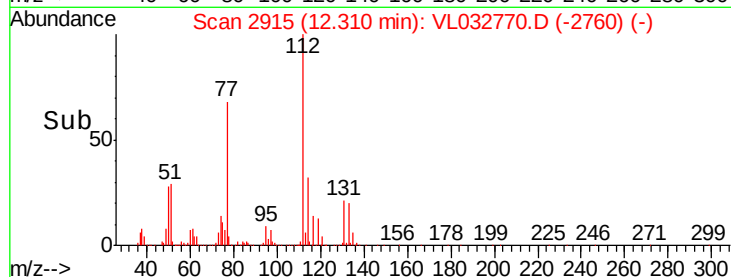
114 32.3 28.4 34.8



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: 8.463 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. -0.01 min

Lab File: VL032770.D

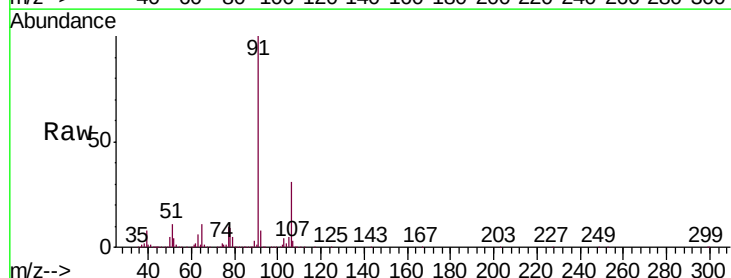
Acq: 14 Nov 2018 22:23

Tgt Ion: 91 Resp: 4546438

Ion Ratio Lower Upper

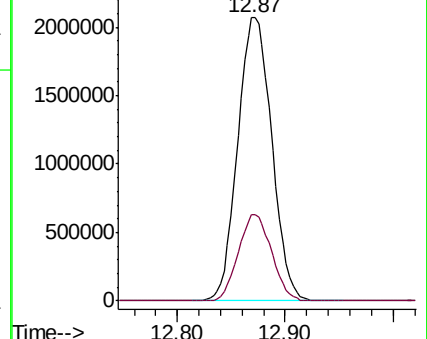
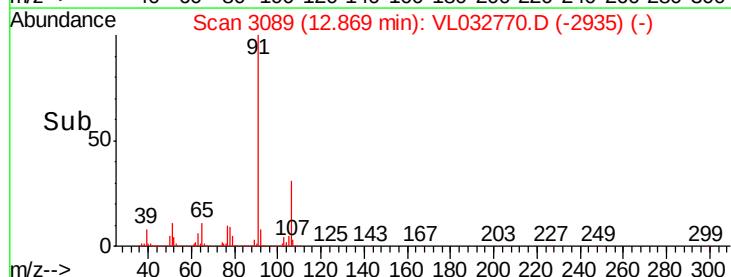
91 100

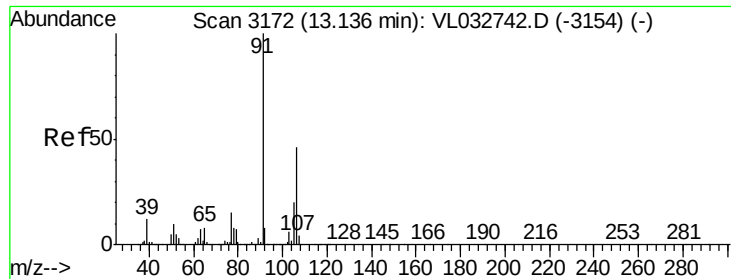
106 30.6 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

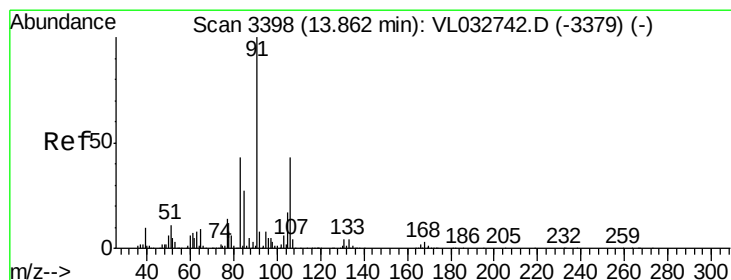
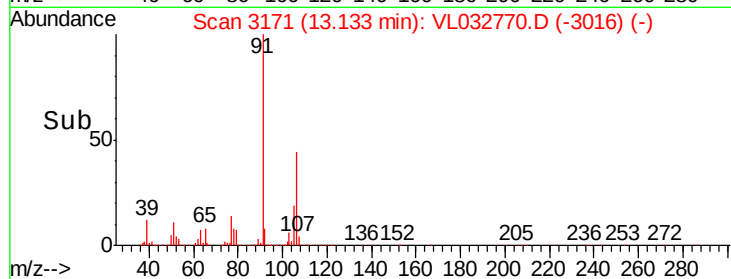
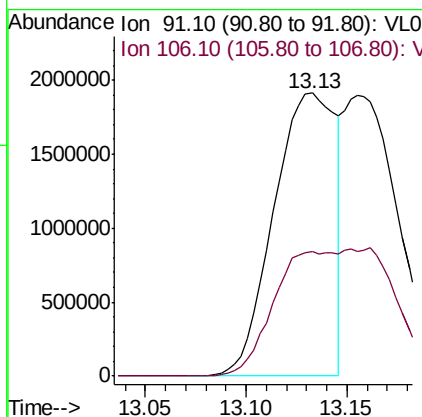
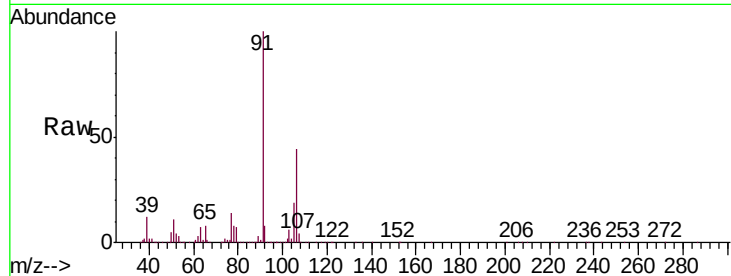




#59
m/p-Xylene
Concen: 8.490 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

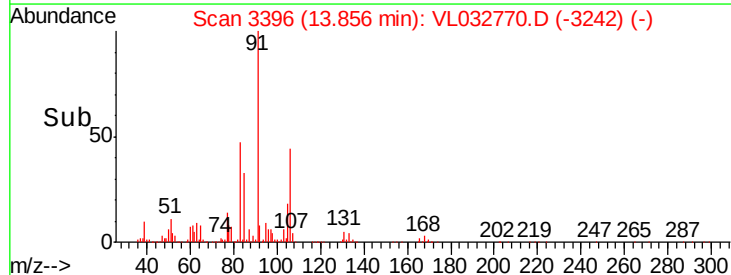
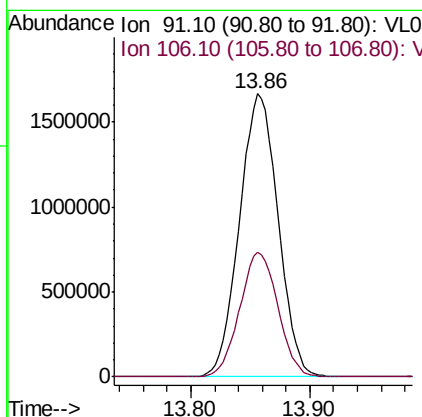
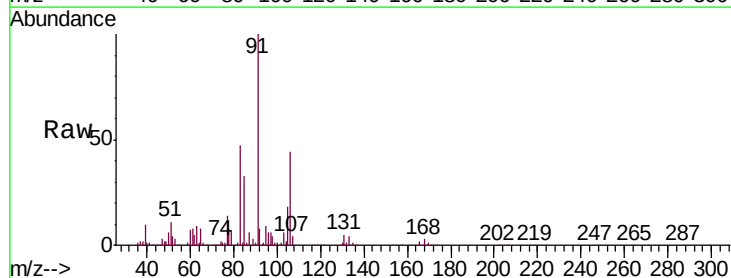
Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS02

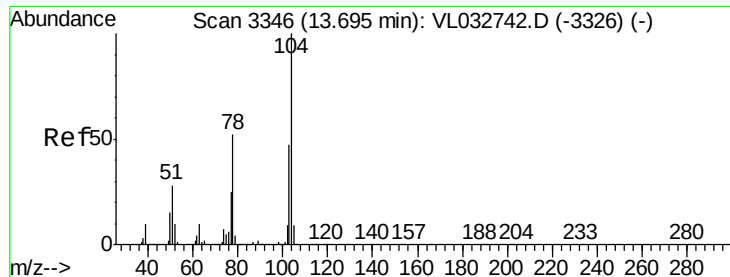
Tgt Ion: 91 Resp: 4060463
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#



#60
o-Xylene
Concen: 7.773 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.01 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

Tgt Ion: 91 Resp: 3737883
Ion Ratio Lower Upper
91 100
106 43.8 21.9 65.7





#61

Styrene

Concen: 8.775 ppbv

RT: 13.69 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS02

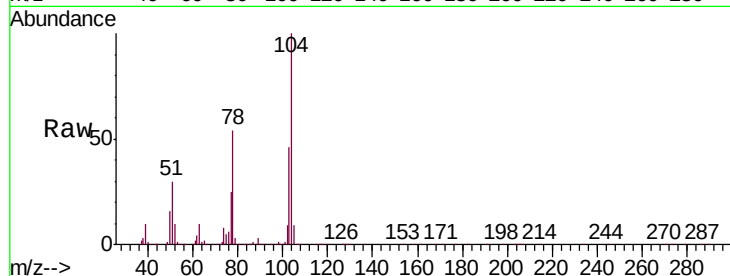
Tgt Ion:104 Resp: 2747093

Ion Ratio Lower Upper

104 100

78 53.5 42.2 63.4

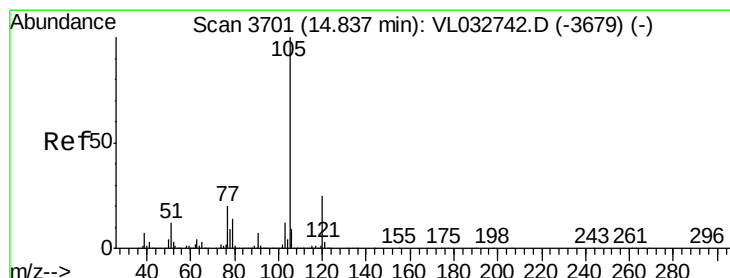
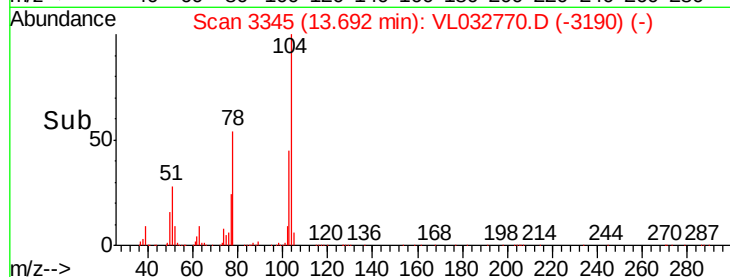
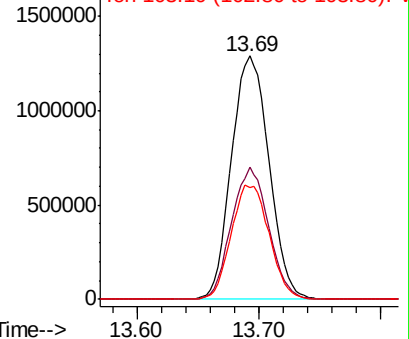
103 47.4 38.2 57.2



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: 7.964 ppbv

RT: 14.83 min Scan# 3700

Delta R.T. -0.00 min

Lab File: VL032770.D

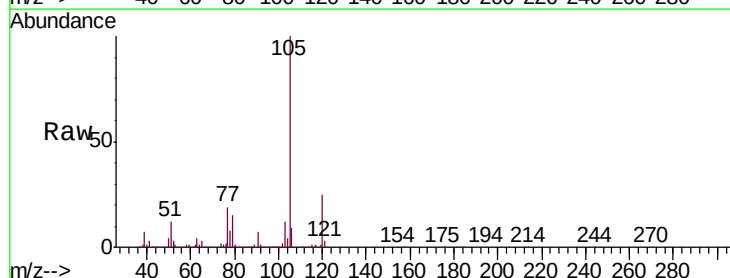
Acq: 14 Nov 2018 22:23

Tgt Ion:105 Resp: 5176610

Ion Ratio Lower Upper

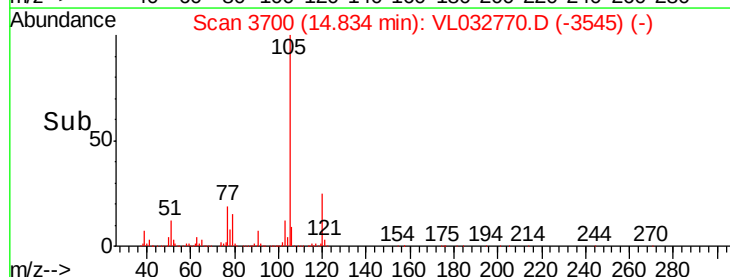
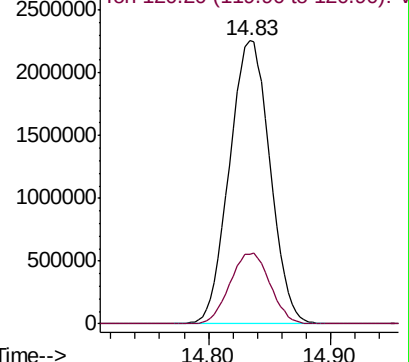
105 100

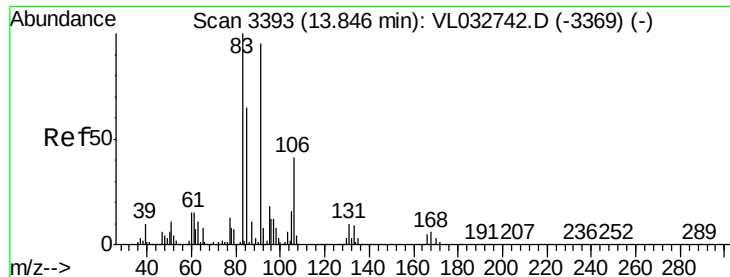
120 24.9 20.1 30.1



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: 6.669 ppbv

RT: 13.84 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

VL1114ABS02

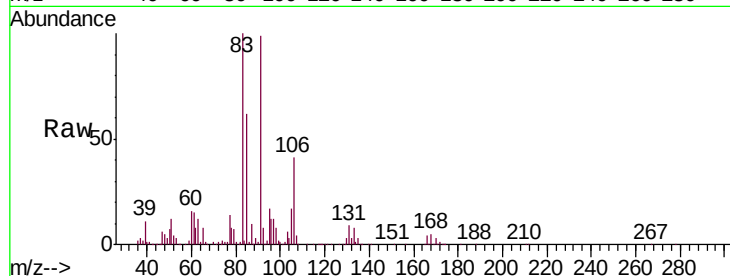
Tgt Ion: 83 Resp: 2499868

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.1

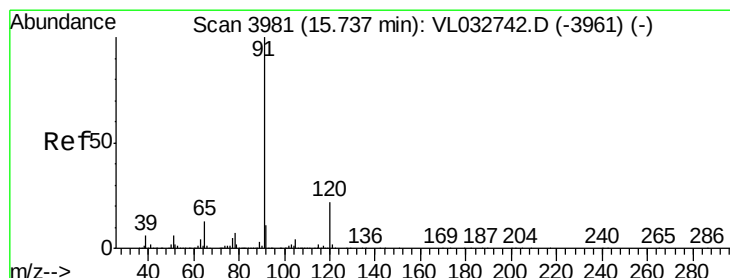
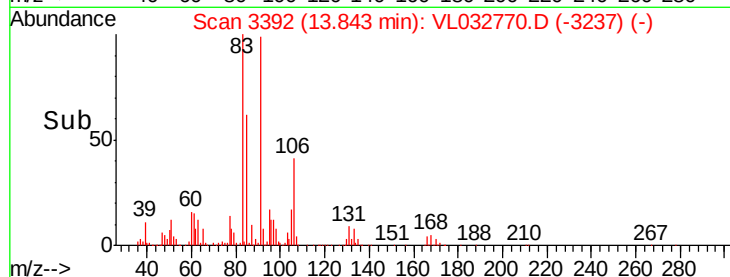
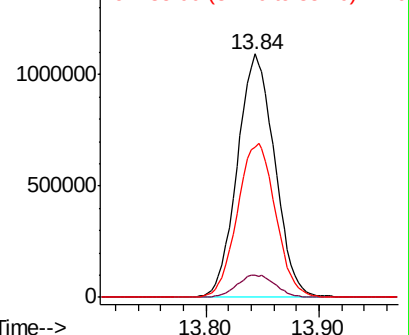
85 65.0 32.5 97.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.553 ppbv

RT: 15.73 min Scan# 3979

Delta R.T. -0.01 min

Lab File: VL032770.D

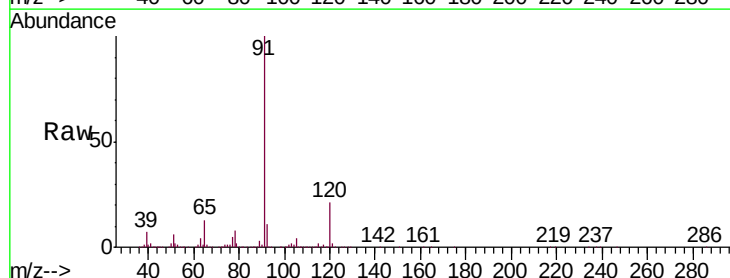
Acq: 14 Nov 2018 22:23

Tgt Ion: 120 Resp: 1291291

Ion Ratio Lower Upper

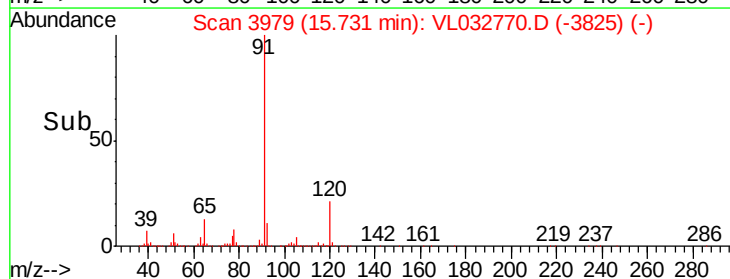
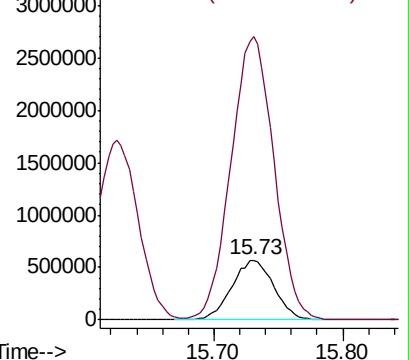
120 100

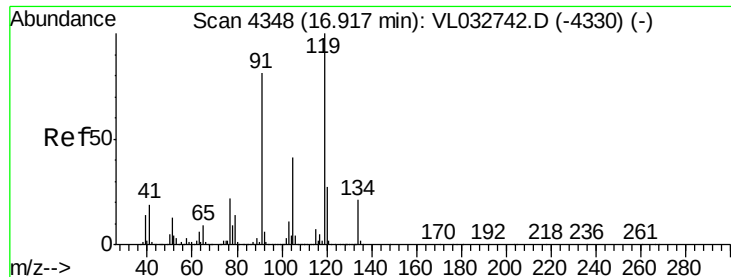
91 486.0 381.7 572.5



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

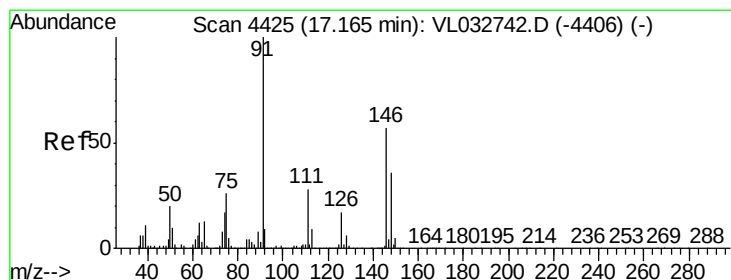
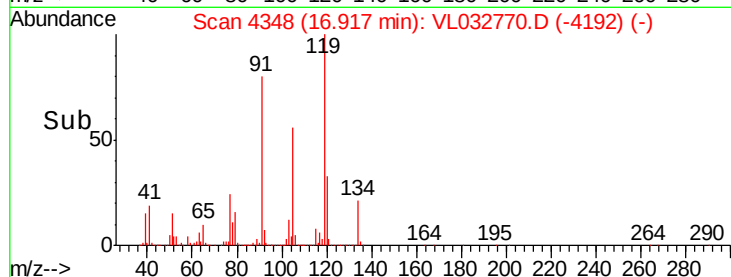
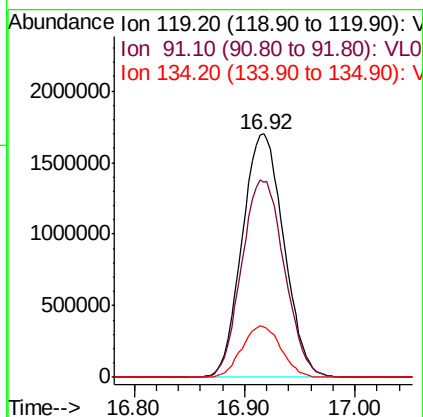
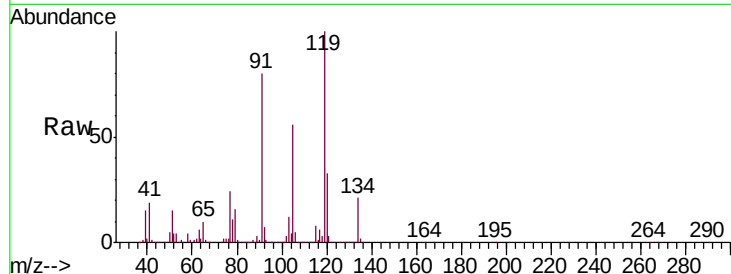




#65
tert-Butylbenzene
Concen: 7.649 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. 0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

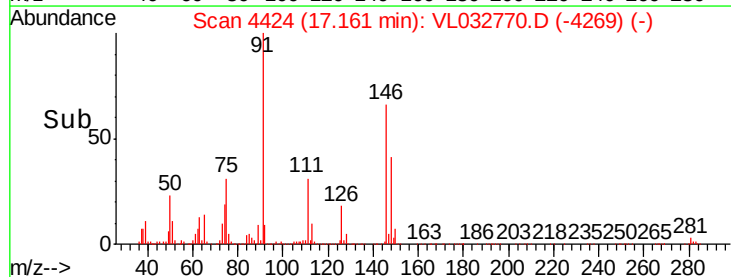
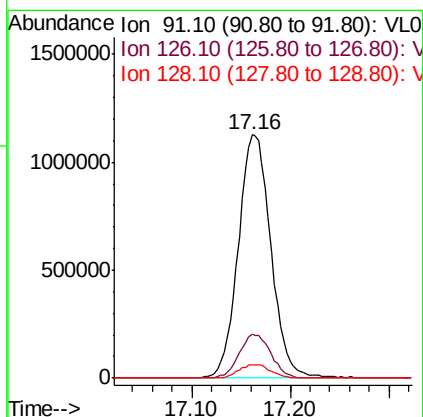
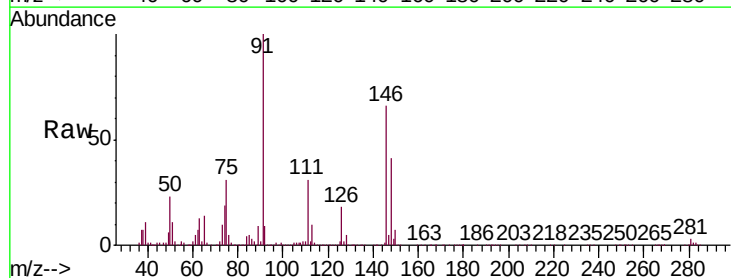
Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS02

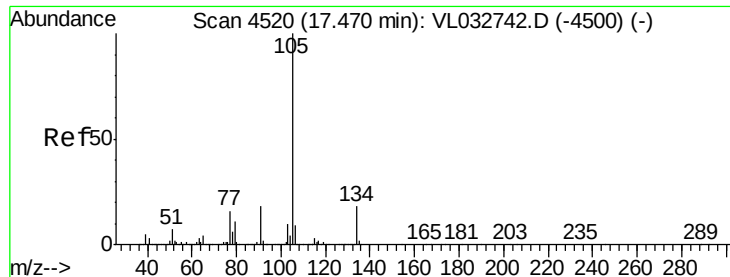
Tgt Ion: 119 Resp: 4456736
Ion Ratio Lower Upper
119 100
91 83.0 65.6 98.4
134 19.9 15.9 23.9



#66
Benzyl Chloride
Concen: 7.991 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

Tgt Ion: 91 Resp: 2574049
Ion Ratio Lower Upper
91 100
126 17.8 14.2 21.2
128 5.6 4.5 6.7





#67

sec-Butylbenzene

Concen: 7.602 ppbv

RT: 17.46 min Scan# 4518

Delta R.T. -0.01 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

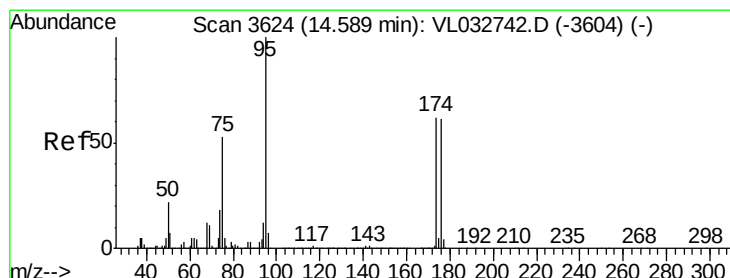
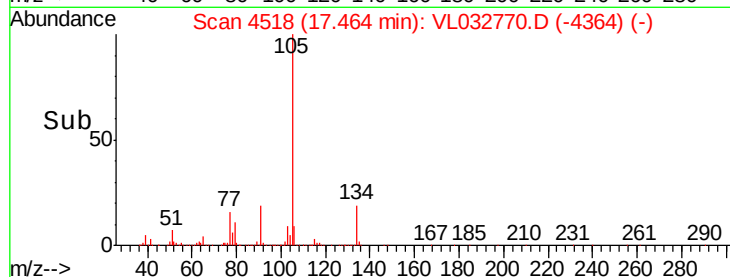
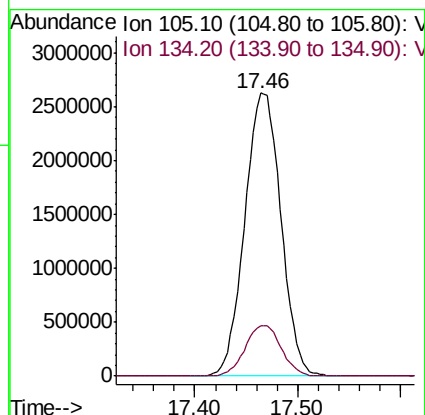
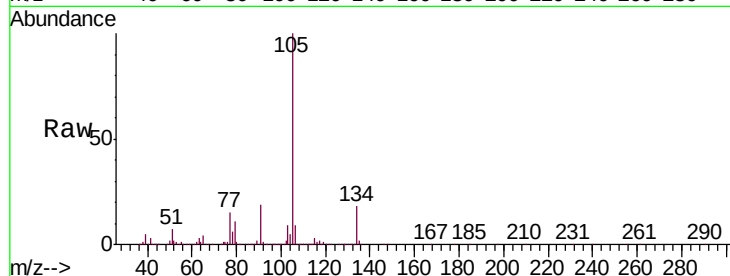
VL1114ABS02

Tgt Ion:105 Resp: 6383508

Ion Ratio Lower Upper

105 100

134 17.9 14.6 21.8



#68

1-Bromo-4-Fluorobenzene

Concen: 8.270 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

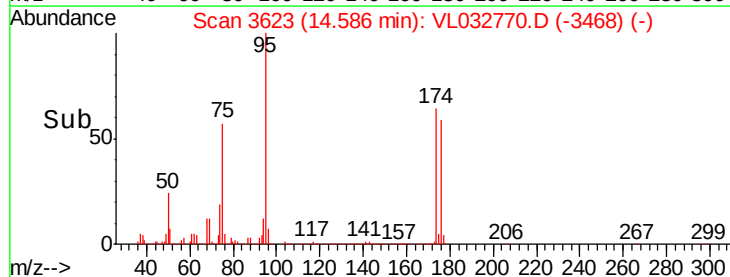
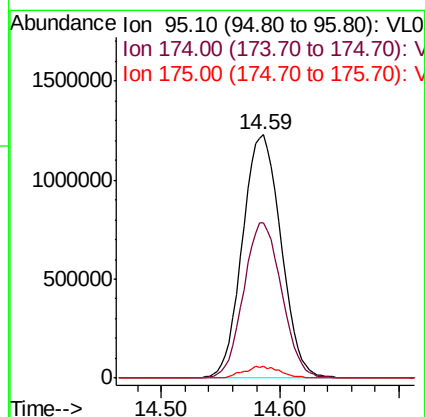
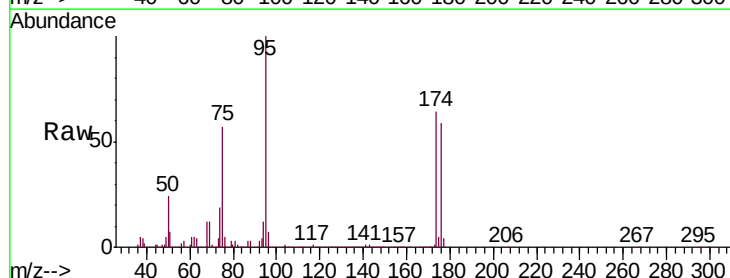
Tgt Ion: 95 Resp: 2761300

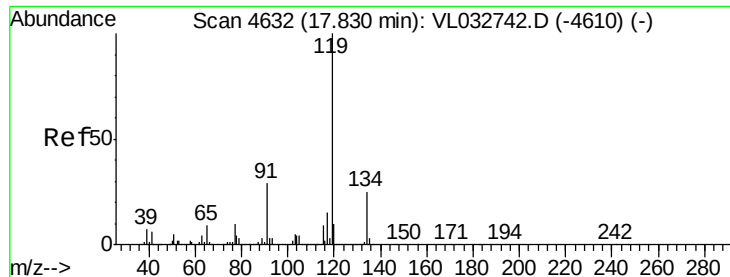
Ion Ratio Lower Upper

95 100

174 63.2 50.7 76.1

175 4.6 3.8 5.6

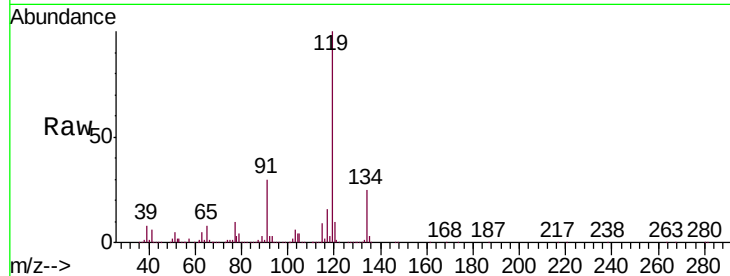




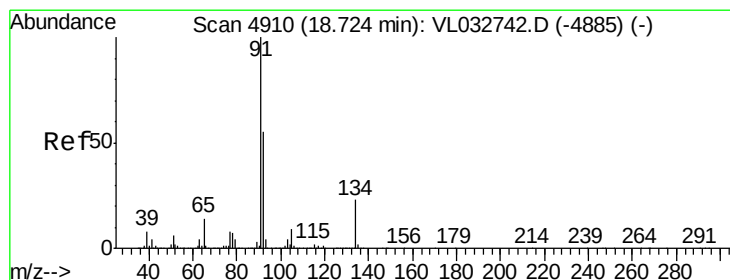
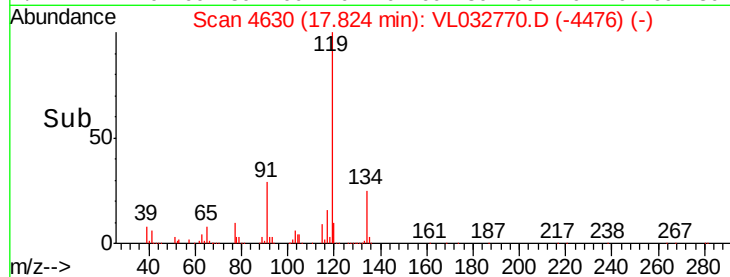
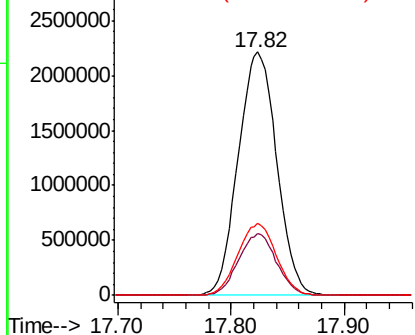
#69
p-Isopropyltoluene
Concen: 7.853 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. -0.01 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS02

Tgt Ion: 119 Resp: 5243146
Ion Ratio Lower Upper
119 100
134 25.0 20.2 30.4
91 29.4 23.5 35.3

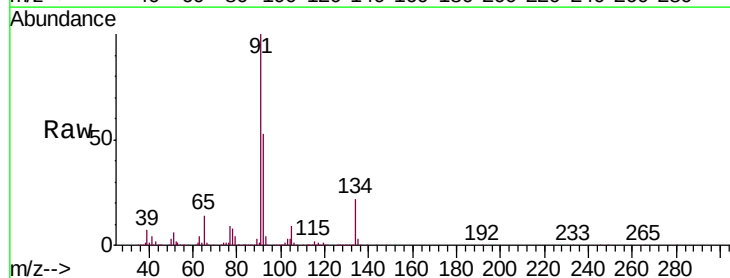


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

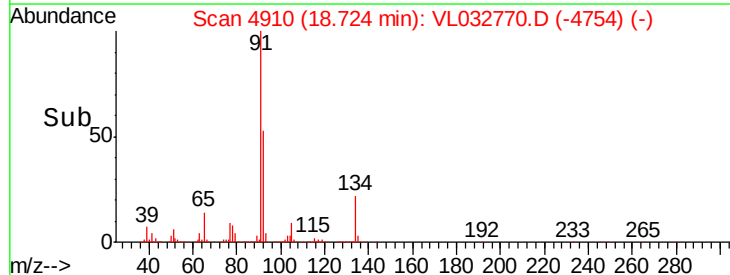
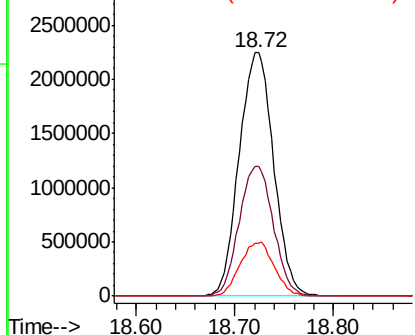


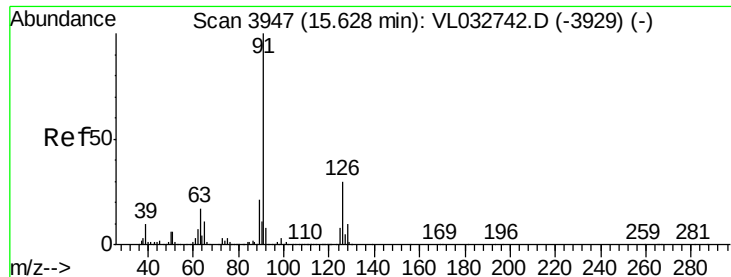
#70
n-Butylbenzene
Concen: 8.020 ppbv
RT: 18.72 min Scan# 4910
Delta R.T. 0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

Tgt Ion: 91 Resp: 5437572
Ion Ratio Lower Upper
91 100
92 53.1 42.9 64.3
134 21.9 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: 7.949 ppbv

RT: 15.62 min Scan# 3946

Delta R.T. -0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

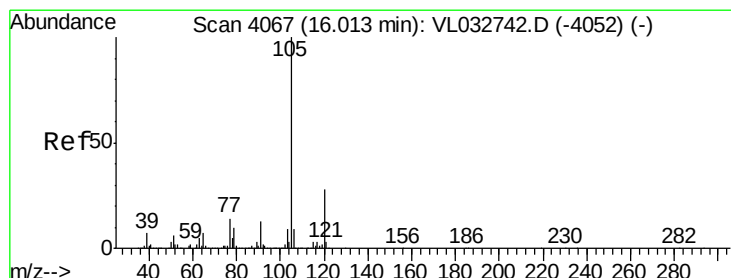
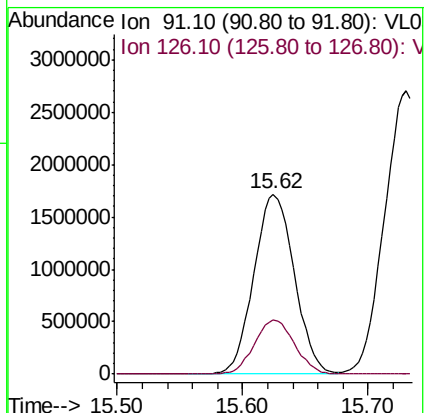
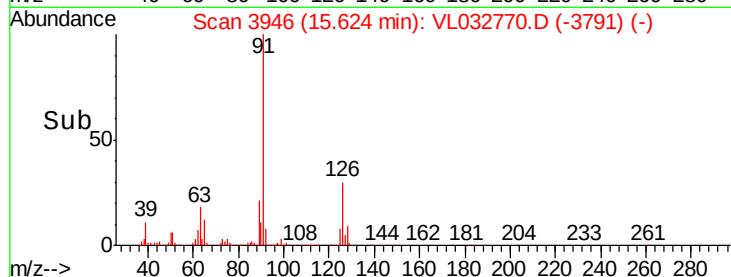
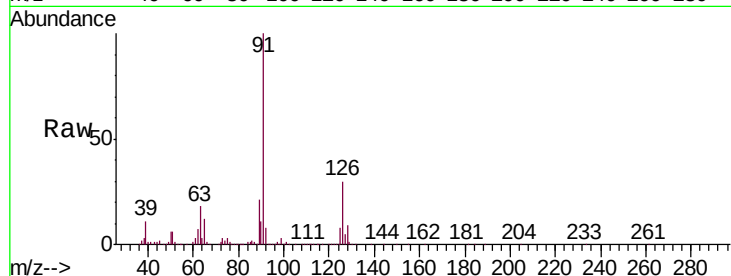
VL1114ABS02

Tgt Ion: 91 Resp: 3853065

Ion Ratio Lower Upper

91 100

126 30.1 12.1 48.5



#72

4-Ethyltoluene

Concen: 7.982 ppbv

RT: 16.01 min Scan# 4065

Delta R.T. -0.01 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Tgt Ion: 105 Resp: 4207132

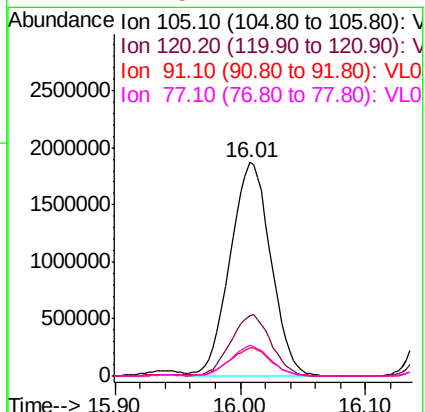
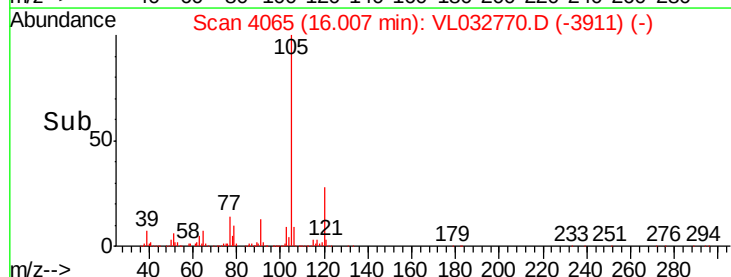
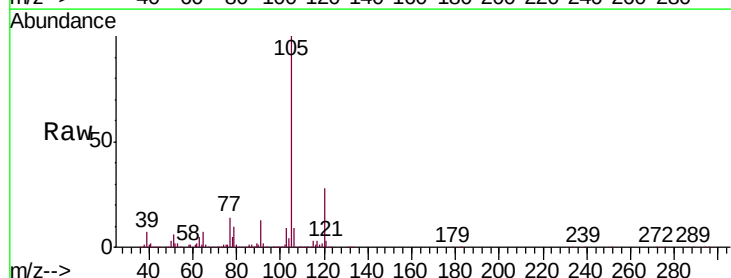
Ion Ratio Lower Upper

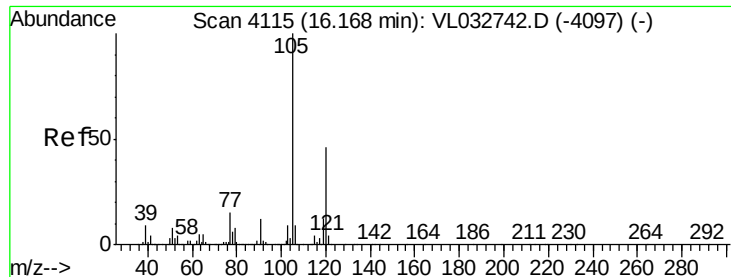
105 100

120 28.4 22.9 34.3

91 13.1 10.6 15.8

77 14.5 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 7.709 ppbv

RT: 16.16 min Scan# 4114

Delta R.T. -0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Instrument :

MSVOA_L

ClientSampleId :

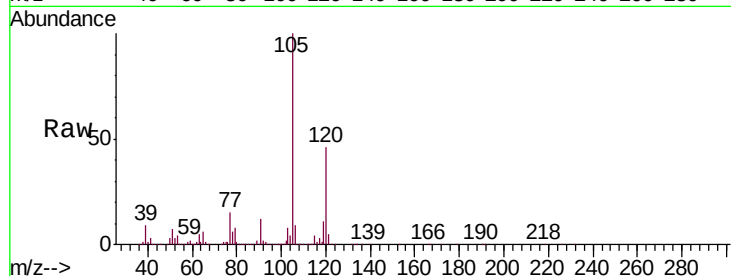
VL1114ABS02

Tgt Ion:105 Resp: 3972893

Ion Ratio Lower Upper

105 100

120 45.6 36.6 55.0



Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 120.20 (119.90 to 120.90): V

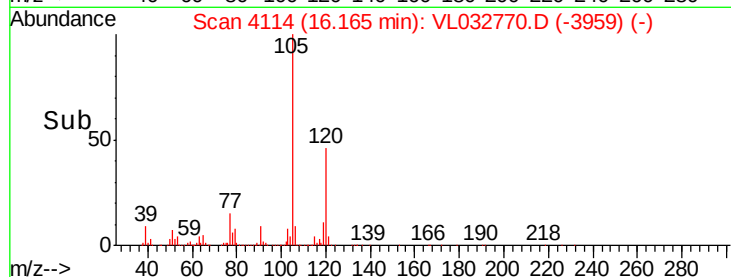
1500000

1000000

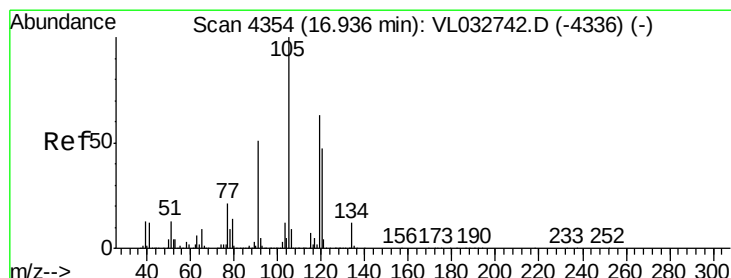
500000

0

16.10 16.20



Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.401 ppbv

RT: 16.93 min Scan# 4353

Delta R.T. -0.00 min

Lab File: VL032770.D

Acq: 14 Nov 2018 22:23

Tgt Ion:105 Resp: 4081279

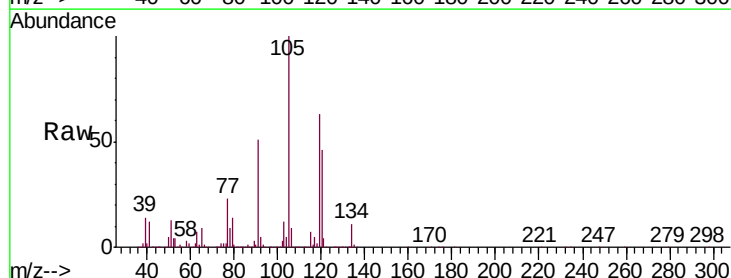
Ion Ratio Lower Upper

105 100

120 45.9 37.6 56.4

91 50.8 42.5 63.7

77 22.9 17.4 26.2



Abundance Ion 105.10 (104.80 to 105.80): V

2500000 Ion 120.20 (119.90 to 120.90): V

2000000 Ion 91.10 (90.80 to 91.80): V

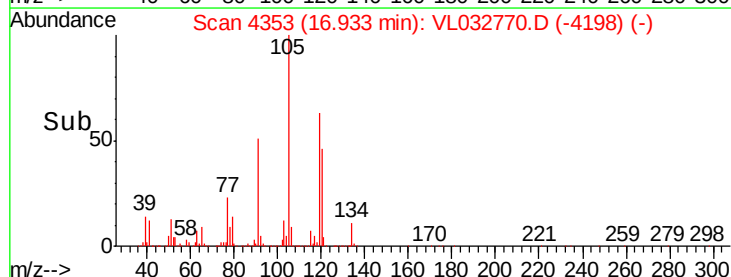
1500000 Ion 77.10 (76.80 to 77.80): V

1000000

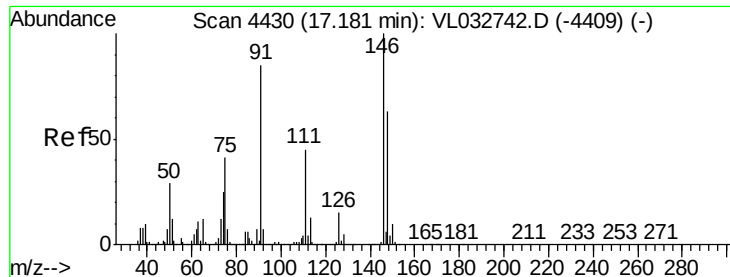
500000

0

16.80 16.90 17.00



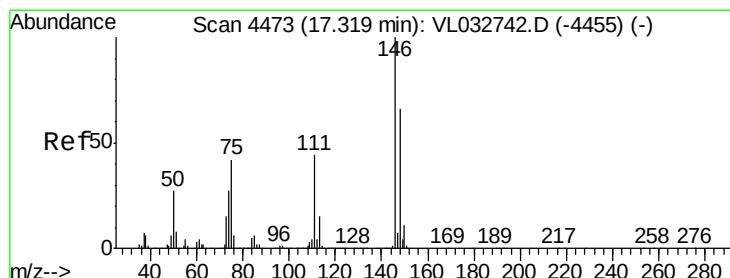
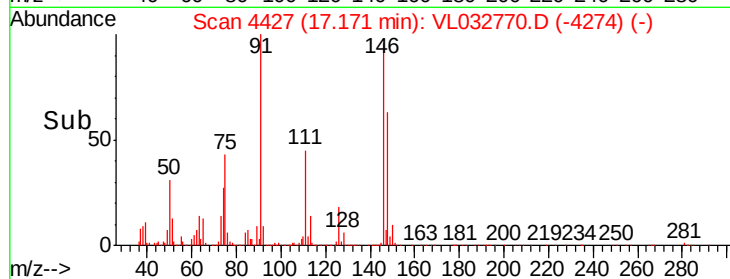
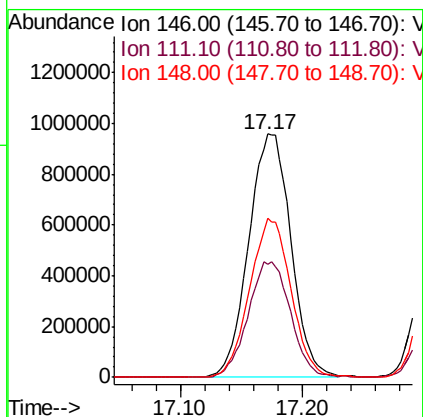
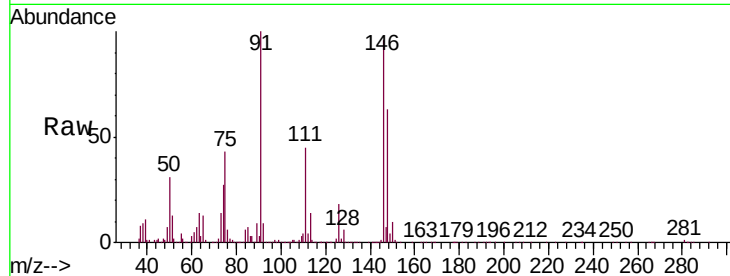
Time-->



#75
 1,3-Dichlorobenzene
 Concen: 7.261 ppbv
 RT: 17.17 min Scan# 4427
 Delta R.T. -0.01 min
 Lab File: VL032770.D
 Acq: 14 Nov 2018 22:23

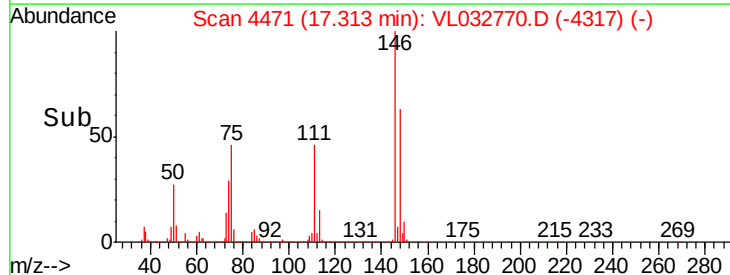
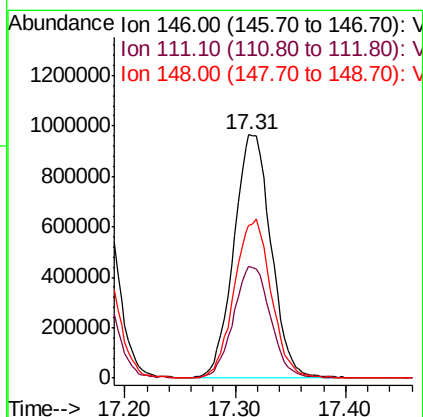
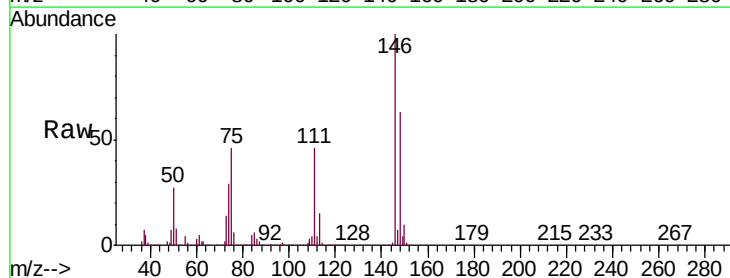
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1114ABS02

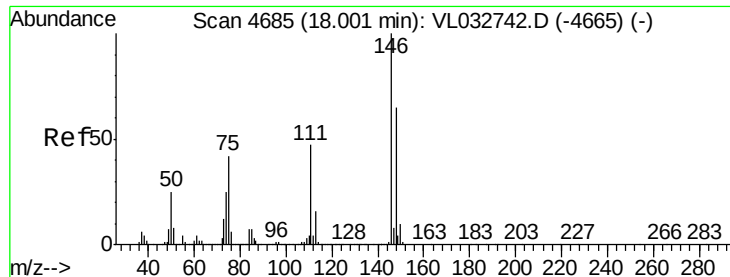
Tgt Ion:146 Resp: 2296994
 Ion Ratio Lower Upper
 146 100
 111 47.7 23.5 70.6
 148 64.0 31.8 95.3



#76
 1,4-Dichlorobenzene
 Concen: 7.570 ppbv
 RT: 17.31 min Scan# 4471
 Delta R.T. -0.01 min
 Lab File: VL032770.D
 Acq: 14 Nov 2018 22:23

Tgt Ion:146 Resp: 2236952
 Ion Ratio Lower Upper
 146 100
 111 46.1 22.5 67.5
 148 65.6 32.5 97.5

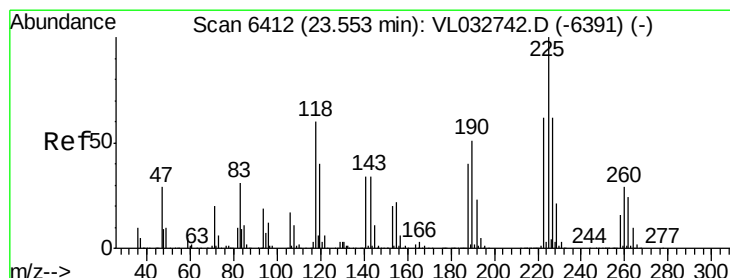
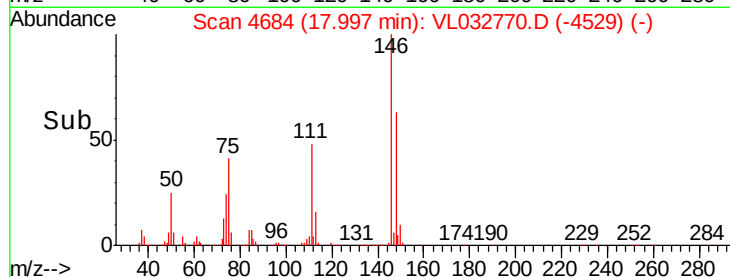
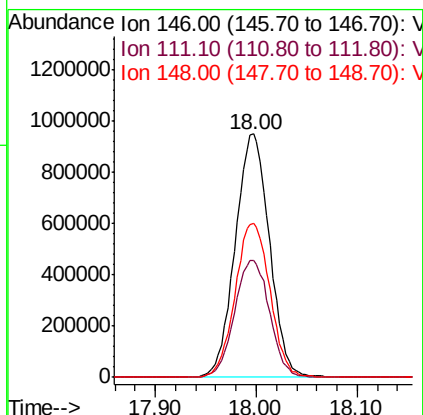
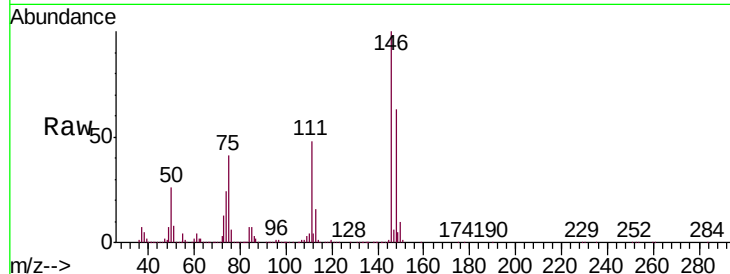




#77
 1,2-Dichlorobenzene
 Concen: 7.633 ppbv
 RT: 18.00 min Scan# 4684
 Delta R.T. -0.00 min
 Lab File: VL032770.D
 Acq: 14 Nov 2018 22:23

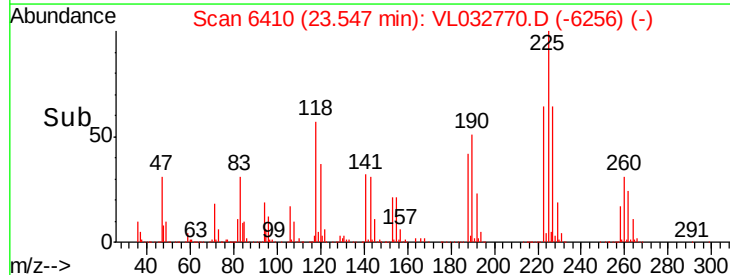
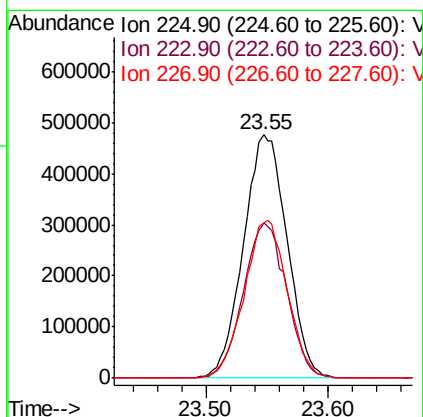
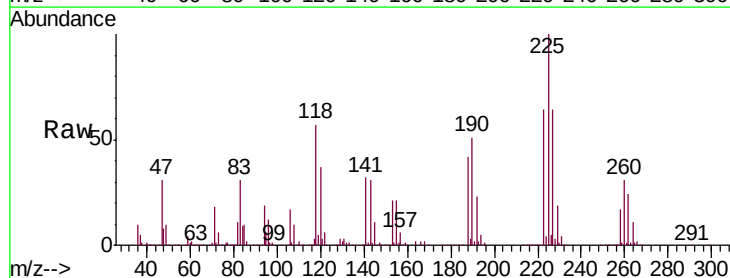
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1114ABS02

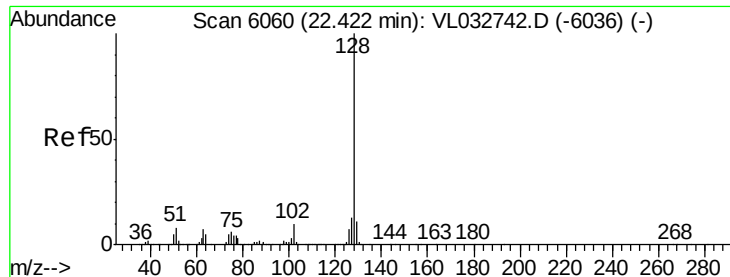
Tgt Ion:146 Resp: 2233799
 Ion Ratio Lower Upper
 146 100
 111 49.2 24.4 73.2
 148 64.6 32.2 96.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.429 ppbv
 RT: 23.55 min Scan# 6410
 Delta R.T. -0.01 min
 Lab File: VL032770.D
 Acq: 14 Nov 2018 22:23

Tgt Ion:225 Resp: 1173299
 Ion Ratio Lower Upper
 225 100
 223 63.6 50.3 75.5
 227 64.1 50.2 75.4

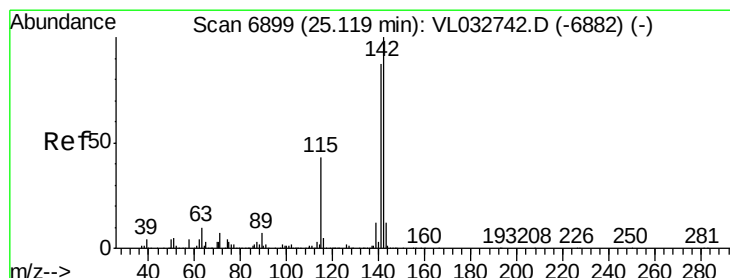
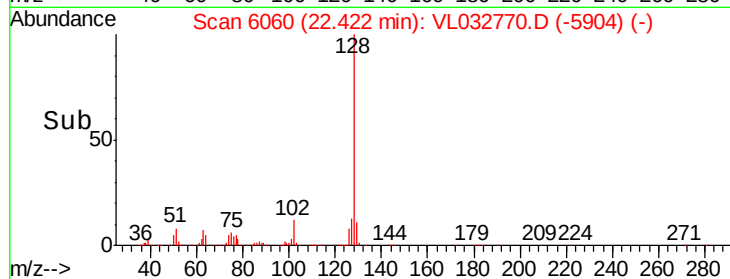
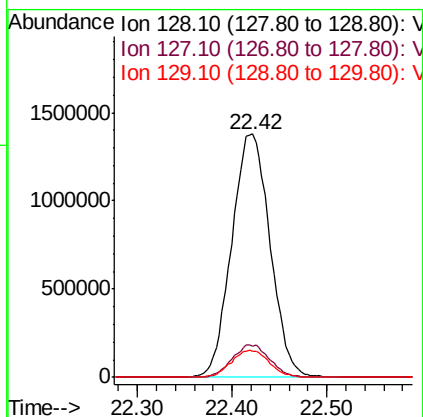
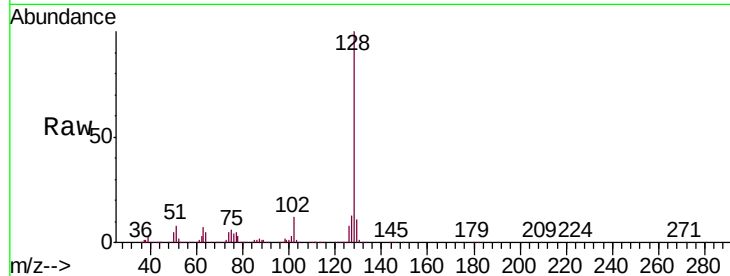




#79
Naphthalene
Concen: 10.689 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

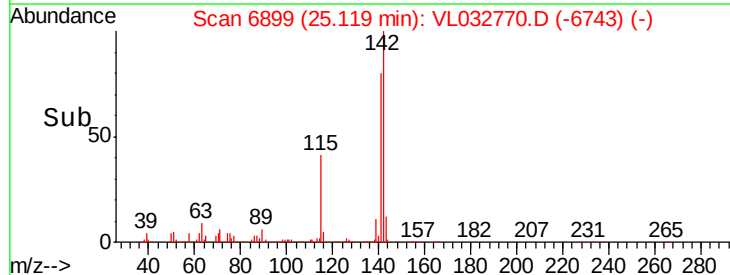
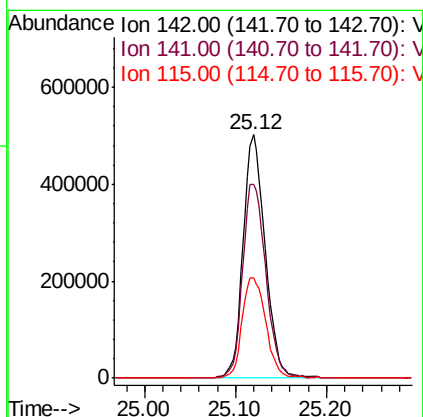
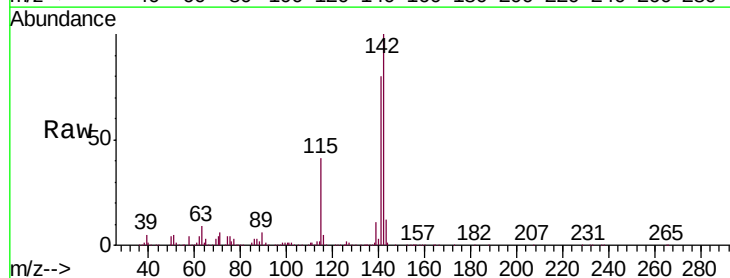
Instrument :
MSVOA_L
ClientSampleId :
VL1114ABS02

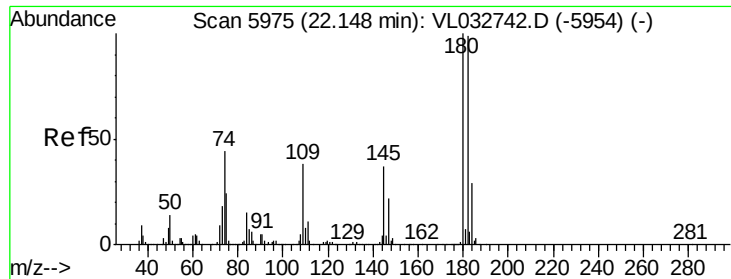
Tgt Ion:128 Resp: 3872535
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.7 8.9 13.3



#80
Naphthalene, 2-methyl-
Concen: 9.326 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL032770.D
Acq: 14 Nov 2018 22:23

Tgt Ion:142 Resp: 846230
Ion Ratio Lower Upper
142 100
141 84.2 68.7 103.1
115 44.4 35.5 53.3





#81
 1,2,4-Trichlorobenzene
 Concen: 10.212 ppbv
 RT: 22.15 min Scan# 5974
 Delta R.T. -0.00 min
 Lab File: VL032770.D
 Acq: 14 Nov 2018 22:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1114ABS02

Tgt Ion:180 Resp: 1857803
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.3 115.9
 184 30.5 24.2 36.4

