

Data File : VL032358.D
Acq On : 15 Aug 2018 19:09
Operator : SY/AP
Sample : VL0815ABS02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS02

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	2382087	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	4983019	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	5791534	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.65	95	3672072	8.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.10%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.11	85	2307440	12.153	ppbv 100
3) Chlorodifluoromethane	3.05	51	2013609	9.125	ppbv 100
4) Chloromethane	3.21	50	1228867	9.357	ppbv 98
5) Vinyl Chloride	3.33	62	1194142	9.539	ppbv 100
6) Bromomethane	3.56	94	639704	9.531	ppbv 98
7) Chloroethane	3.64	64	413965	9.430	ppbv 96
8) Dichlorotetrafluoroethane	3.26	85	2367656	8.796	ppbv 99
9) Propene	3.07	41	1005121	10.643	ppbv 99
10) Heptane	8.31	43	2931069	10.305	ppbv 100
11) Trichlorofluoromethane	4.05	101	2423702	9.097	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1632199	9.098	ppbv 99
13) Ethanol	3.69	45	261418	10.778	ppbv 96
14) Bromoethene	3.83	108	710703	9.160	ppbv 99
15) Acetone	3.95	43	1913246	8.454	ppbv 100
16) 1,3-Butadiene	3.40	39	1025675	10.977	ppbv 86
17) tert-Butyl alcohol	4.40	59	382330	10.068	ppbv 100
18) 1,1-Dichloroethene	4.40	96	800017	9.571	ppbv 95
19) Isopropyl Alcohol	4.07	45	1564749	10.267	ppbv 99
20) Methylene Chloride	4.46	84	711358	8.322	ppbv 95
21) Allyl Chloride	4.53	41	1448269	10.139	ppbv 100
22) trans-1,2-Dichloroethene	5.02	96	850901	10.094	ppbv 98
23) Vinyl Acetate	5.21	43	3979792	10.183	ppbv 99
24) 1,1-Dichloroethane	5.14	63	2751383	9.751	ppbv 99
25) Ethyl Acetate	5.83	43	4673116	9.635	ppbv 100
26) Hexane	5.84	57	2131725	9.859	ppbv 100
27) Carbon Disulfide	4.67	76	2047694	10.146	ppbv 100
28) Methyl tert-Butyl Ether	5.17	73	3055095	10.647	ppbv 100
29) Chloroform	5.91	83	3001826	9.473	ppbv 100
30) Cyclohexane	7.31	84	1752747	10.642	ppbv 99
31) cis-1,2-Dichloroethene	5.70	61	2160738	10.214	ppbv 99
32) 1,1,1-Trichloroethane	6.68	97	2828181	9.171	ppbv 99
34) 2-Butanone	5.38	43	3315603	9.776	ppbv 98
35) Carbon Tetrachloride	7.20	117	2788962	9.492	ppbv 96
36) Benzene	7.07	78	4108982	9.726	ppbv 98
37) 1,2-Dichloroethane	6.47	62	2344645	9.147	ppbv 100
38) Trichloroethene	8.03	130	1415662	9.554	ppbv 99
39) 1,2-Dichloropropane	7.80	63	1709816	9.689	ppbv 98
40) 1,4-Dioxane	8.02	88	582625	10.869	ppbv 99
41) Tetrahydrofuran	6.21	42	1921155	10.552	ppbv 99
42) Bromodichloromethane	7.99	83	3248591	9.680	ppbv 99
43) Methyl Methacrylate	8.21	69	1777197	10.558	ppbv 99

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.06	57	7401668	9.716	ppbv	100
45) t-1,3-Dichloropropene	9.49	75	2413607	11.337	ppbv	100
46) cis-1,3-Dichloropropene	8.90	75	2839128	11.119	ppbv	99
47) 1,1,2-Trichloroethane	9.68	97	1787703	9.204	ppbv	98
48) Dibromochloromethane	10.52	129	2541843	9.789	ppbv	99
49) Bromoform	13.28	173	2107700	9.772	ppbv	99
50) 4-Methyl-2-Pentanone	8.94	43	4965729	10.139	ppbv	100
51) 2-Hexanone	10.34	43	3702996	10.766	ppbv	100
52) Tetrachloroethene	11.45	164	1214091	9.745	ppbv	96
53) Toluene	10.02	91	4881269	10.540	ppbv	100
54) 1,2-Dibromoethane	10.83	107	2430005	9.741	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.35	131	1820145	7.597	ppbv	99
57) Chlorobenzene	12.38	112	3313102	7.599	ppbv	99
58) Ethyl Benzene	12.94	91	6086617	8.735	ppbv	99
59) m/p-Xylene	13.22	91	5296848	8.949	ppbv #	42
60) o-Xylene	13.92	91	4781655	8.219	ppbv	99
61) Styrene	13.76	104	3752514	9.229	ppbv	99
62) Isopropylbenzene	14.90	105	6715933	8.110	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.91	83	3600080	7.359	ppbv	100
64) n-propylbenzene	15.80	120	1766624	8.242	ppbv	100
65) tert-Butylbenzene	16.98	119	5531612	7.819	ppbv	100
66) Benzyl Chloride	17.23	91	3684316	8.796	ppbv	99
67) sec-Butylbenzene	17.53	105	8392922	7.979	ppbv	100
69) p-Isopropyltoluene	17.89	119	6685201	8.303	ppbv	100
70) n-Butylbenzene	18.79	91	7429229	8.416	ppbv	99
71) 2-Chlorotoluene	15.69	91	5392066	8.413	ppbv	100
72) 4-Ethyltoluene	16.07	105	5568181	8.581	ppbv	100
73) 1,3,5-Trimethylbenzene	16.23	105	5371209	8.606	ppbv	99
74) 1,2,4-Trimethylbenzene	17.00	105	5196260	7.824	ppbv	98
75) 1,3-Dichlorobenzene	17.24	146	2963829	7.426	ppbv	100
76) 1,4-Dichlorobenzene	17.38	146	3020814	7.991	ppbv	99
77) 1,2-Dichlorobenzene	18.06	146	2995379	7.855	ppbv	100
78) Hexachloro-1,3-Butadiene	23.61	225	884098	6.907	ppbv	99
79) Naphthalene	22.49	128	5082497	8.242	ppbv	99
80) Naphthalene,2-methyl-	25.17	142	2137072	16.129	ppbv	99
81) 1,2,4-Trichlorobenzene	22.22	180	2373422	9.242	ppbv	99

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

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Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS02

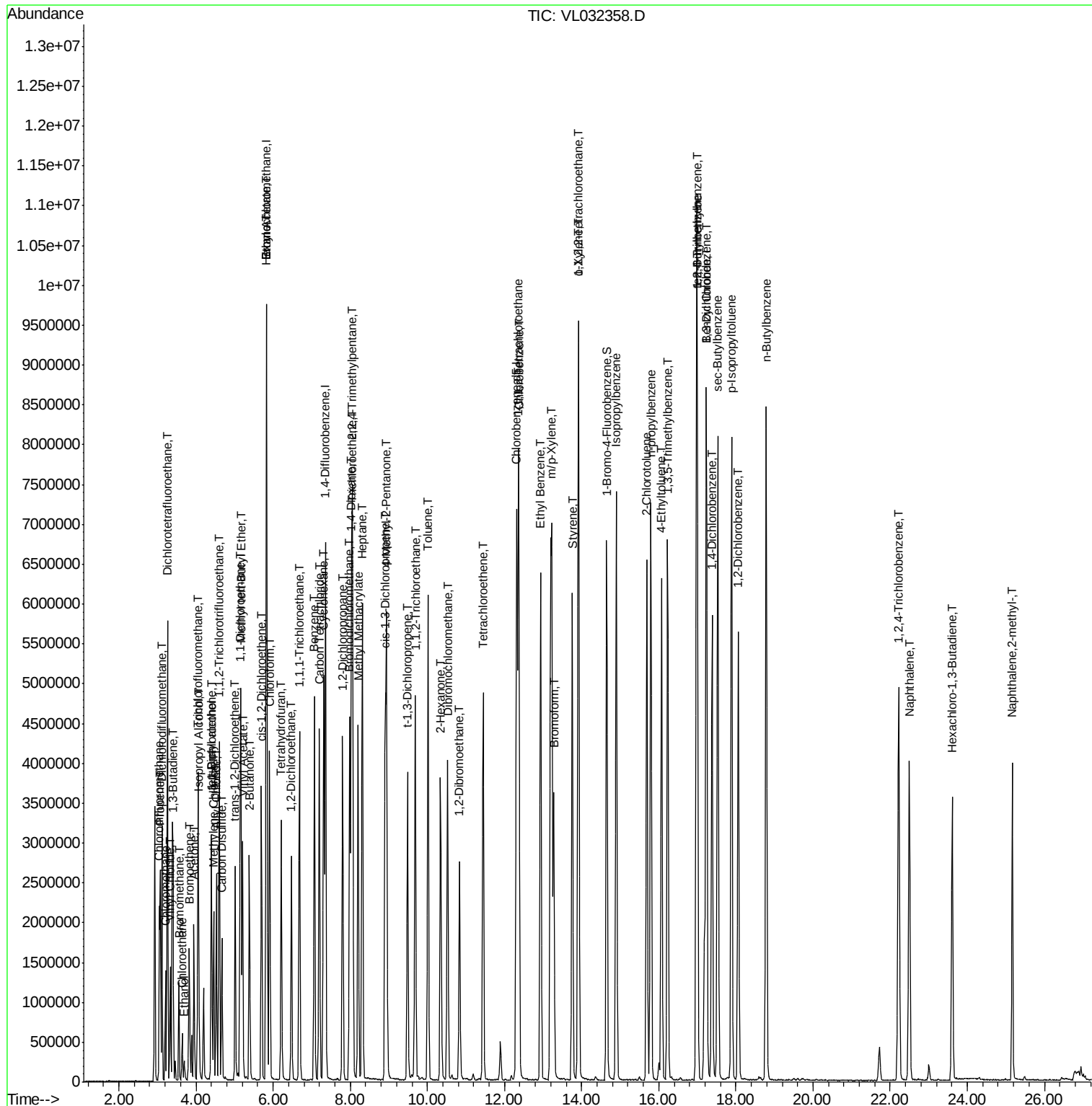
Quant Time: Aug 16 05:46:46 2018

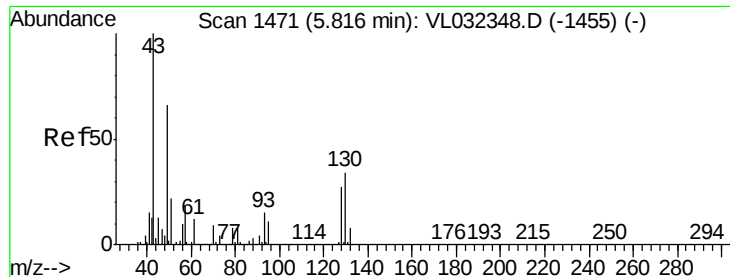
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL081518AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.82 min Scan# 1472

Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

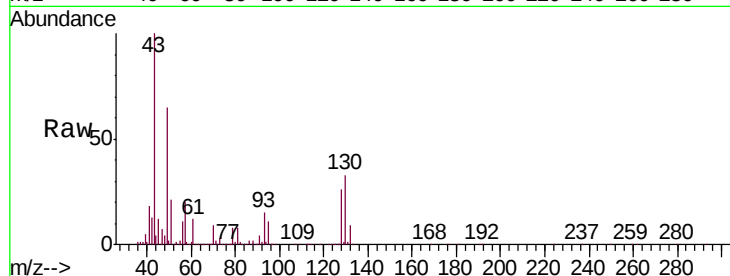
MSVOA_L

ClientSampleId :

VL0815ABS02

Tgt Ion: 49 Resp: 2382087

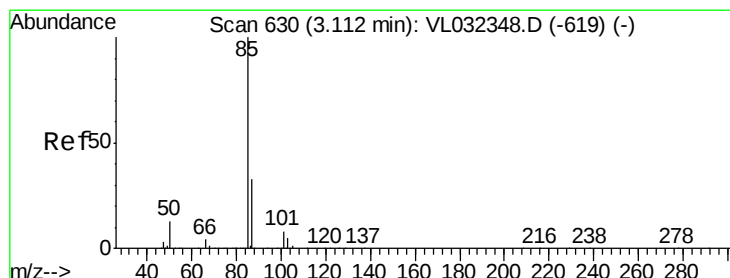
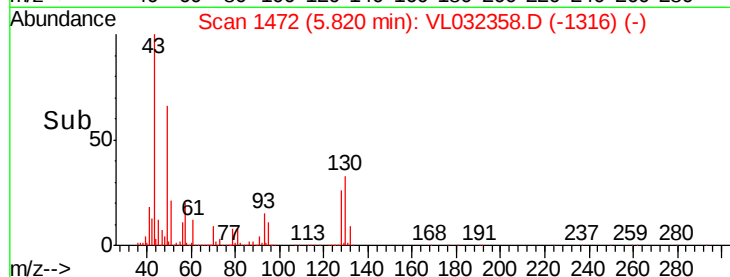
Ion	Ratio	Lower	Upper
49	100		
128	39.9	20.5	61.6
130	51.6	26.2	78.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 12.153 ppbv

RT: 3.11 min Scan# 630

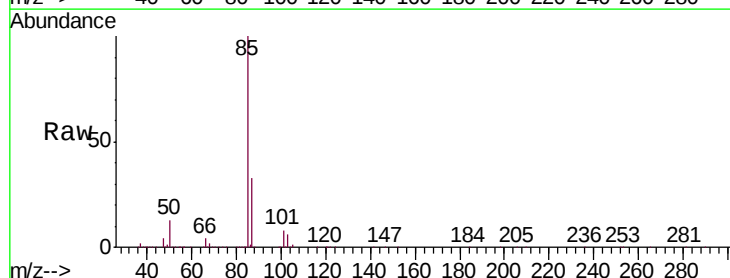
Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

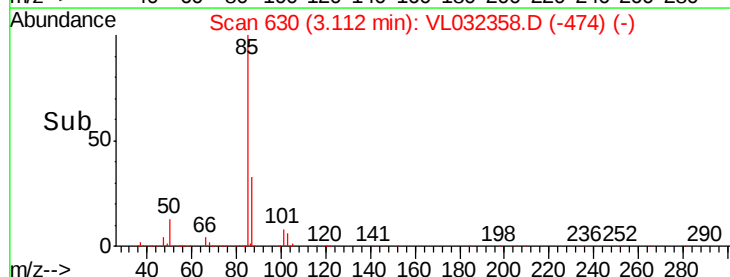
Tgt Ion: 85 Resp: 2307440

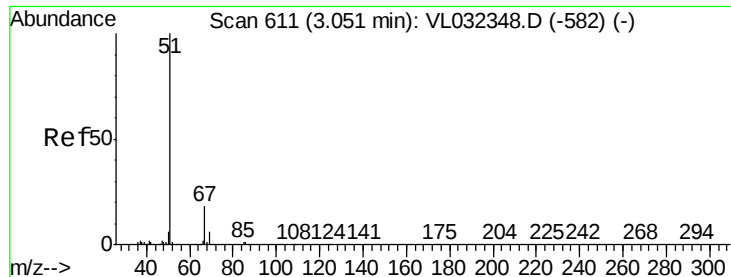
Ion	Ratio	Lower	Upper
85	100		
87	32.8	26.3	39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.125 ppbv

RT: 3.05 min Scan# 611

Delta R.T. -0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

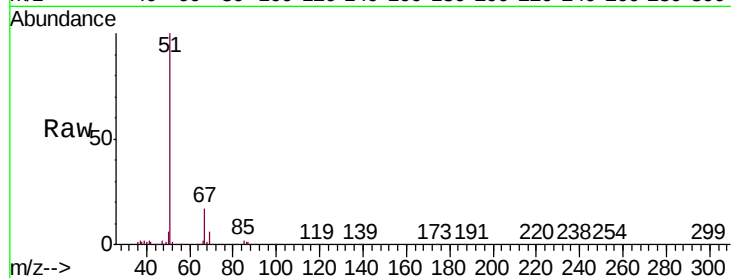
VL0815ABS02

Tgt Ion: 51 Resp: 2013609

Ion Ratio Lower Upper

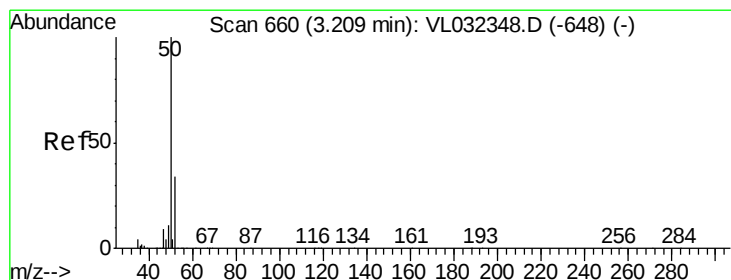
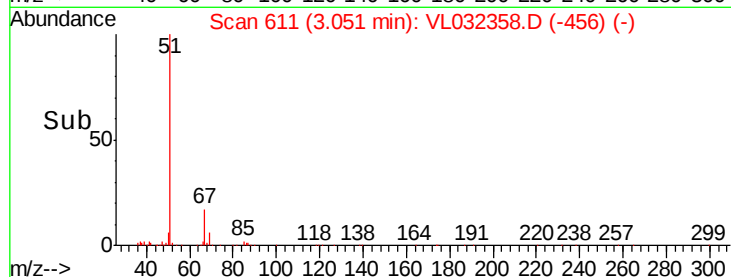
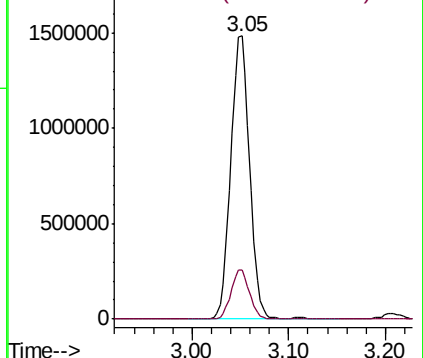
51 100

67 16.9 13.7 20.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.357 ppbv

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VL032358.D

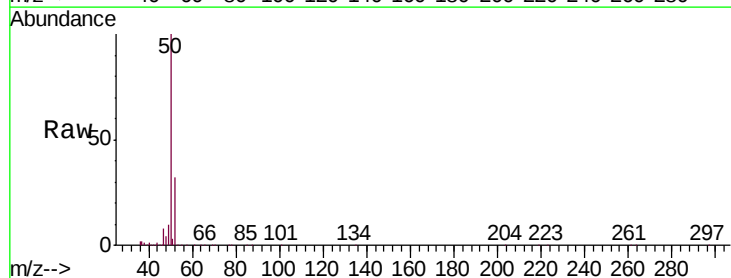
Acq: 15 Aug 2018 19:09

Tgt Ion: 50 Resp: 1228867

Ion Ratio Lower Upper

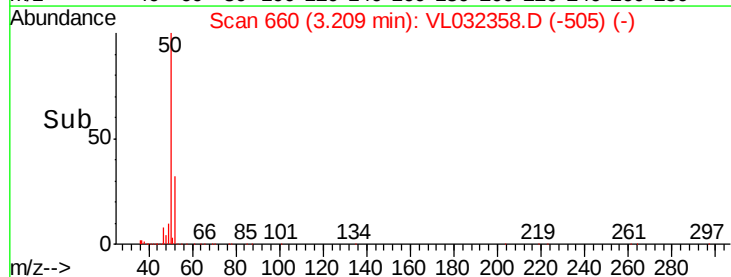
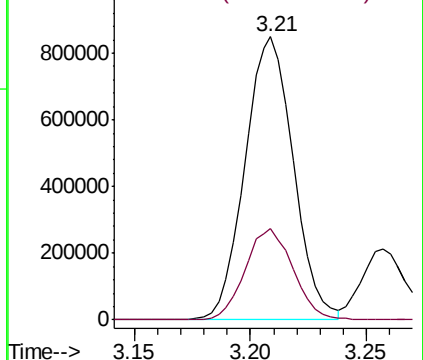
50 100

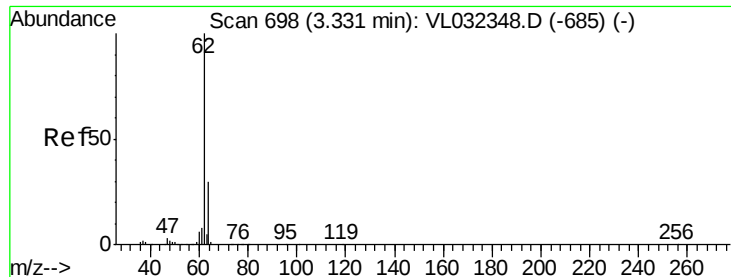
52 32.1 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.539 ppbv

RT: 3.33 min Scan# 698

Delta R.T. -0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

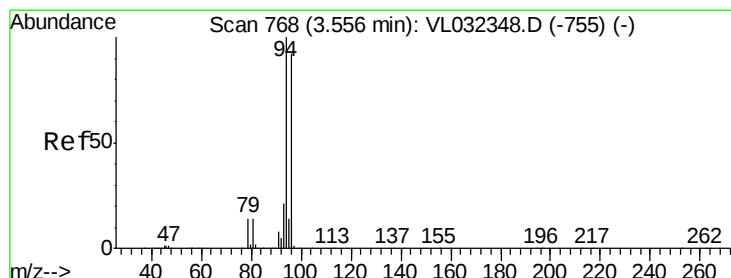
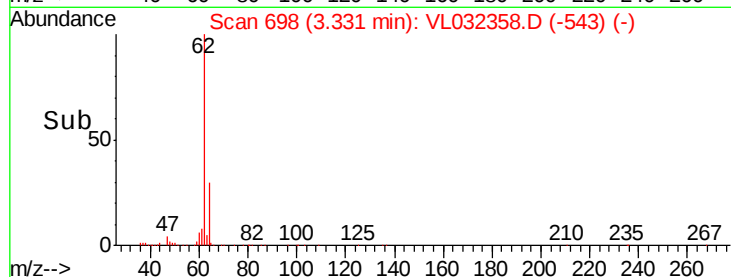
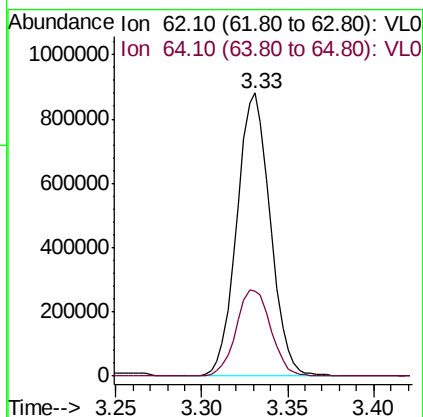
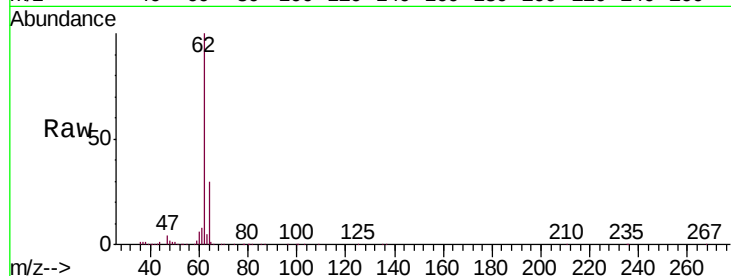
VL0815ABS02

Tgt Ion: 62 Resp: 1194142

Ion Ratio Lower Upper

62 100

64 30.0 24.2 36.2



#6

Bromomethane

Concen: 9.531 ppbv

RT: 3.56 min Scan# 768

Delta R.T. -0.00 min

Lab File: VL032358.D

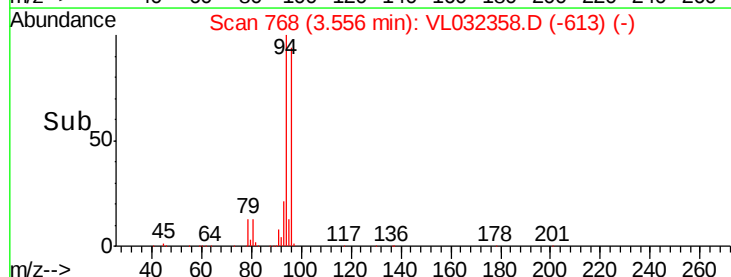
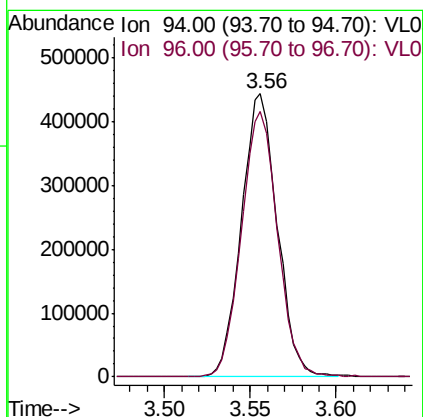
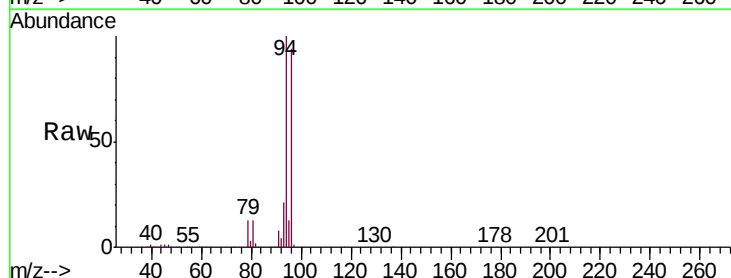
Acq: 15 Aug 2018 19:09

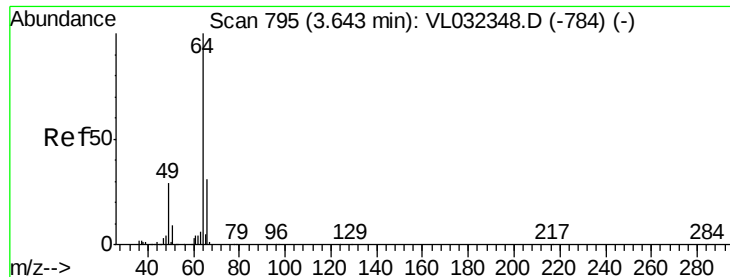
Tgt Ion: 94 Resp: 639704

Ion Ratio Lower Upper

94 100

96 94.0 73.7 110.5





#7

Chloroethane

Concen: 9.430 ppbv

RT: 3.64 min Scan# 795

Delta R.T. -0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

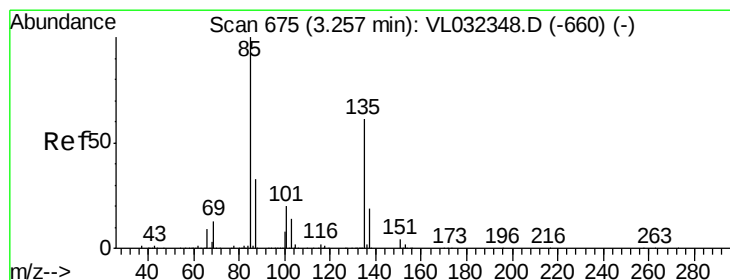
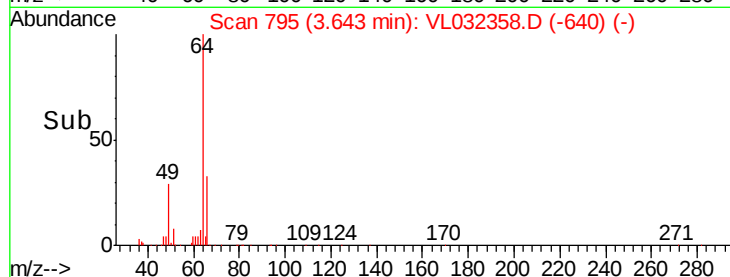
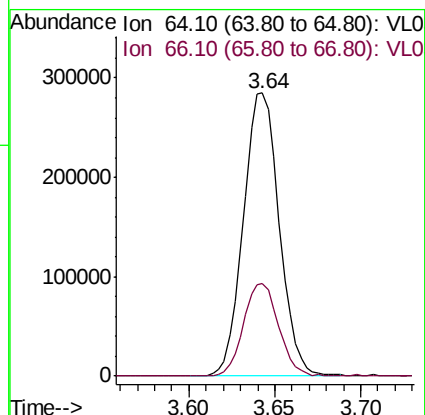
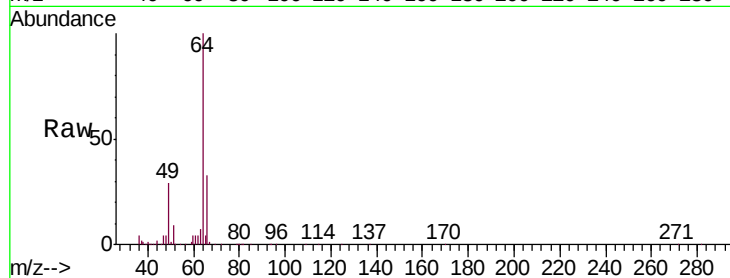
VL0815ABS02

Tgt Ion: 64 Resp: 413965

Ion Ratio Lower Upper

64 100

66 32.8 24.6 36.8



#8

Dichlorotetrafluoroethane

Concen: 8.796 ppbv

RT: 3.26 min Scan# 675

Delta R.T. -0.00 min

Lab File: VL032358.D

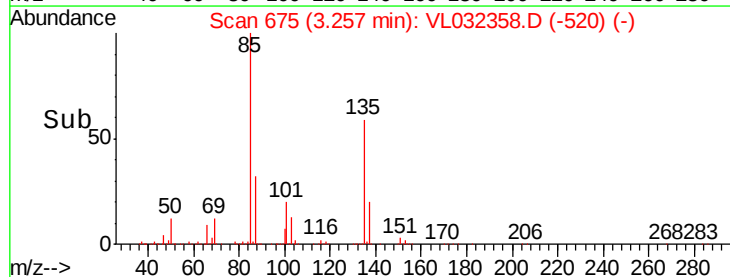
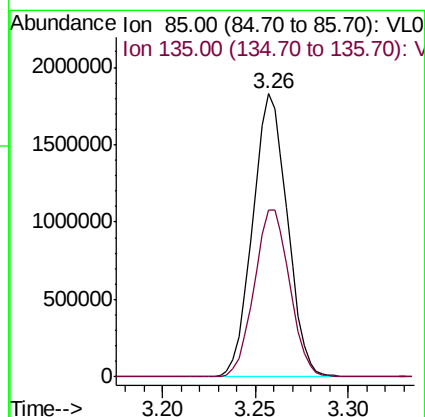
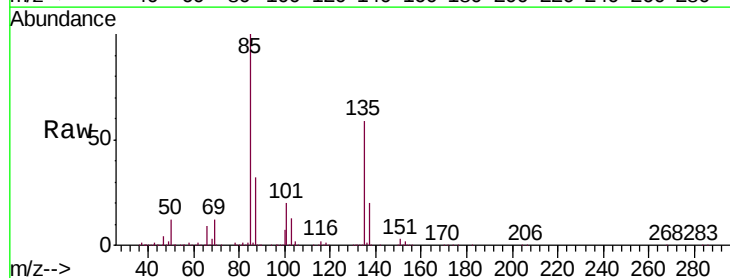
Acq: 15 Aug 2018 19:09

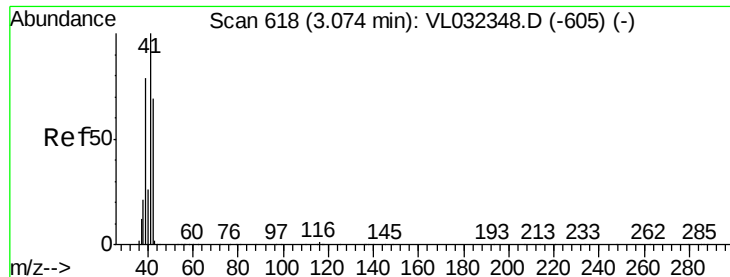
Tgt Ion: 85 Resp: 2367656

Ion Ratio Lower Upper

85 100

135 60.7 49.0 73.6





#9

Propene

Concen: 10.643 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.00 min

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ClientSampleId :

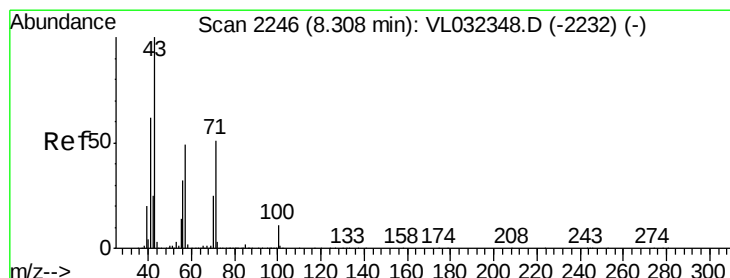
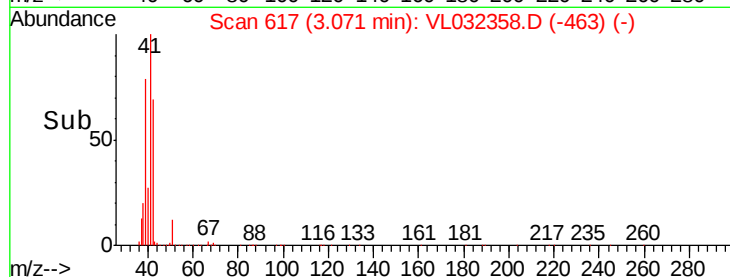
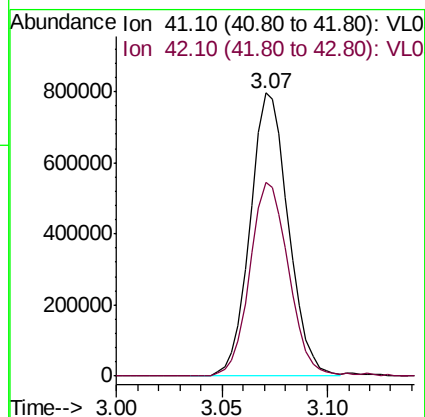
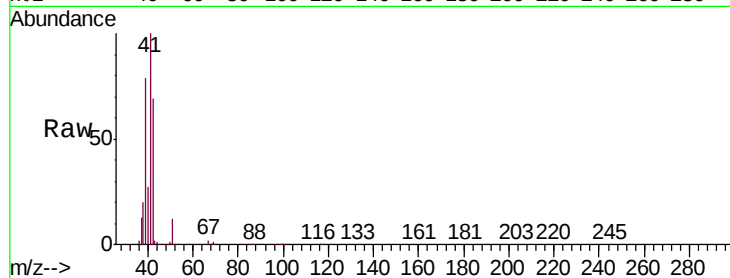
VL0815ABS02

Tgt Ion: 41 Resp: 1005121

Ion Ratio Lower Upper

41 100

42 70.3 55.9 83.9



#10

Heptane

Concen: 10.305 ppbv

RT: 8.31 min Scan# 2248

Delta R.T. 0.01 min

Lab File: VL032358.D

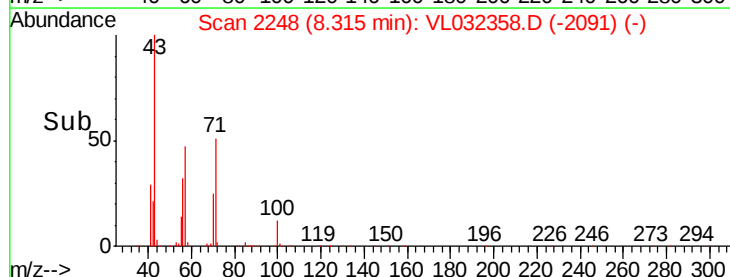
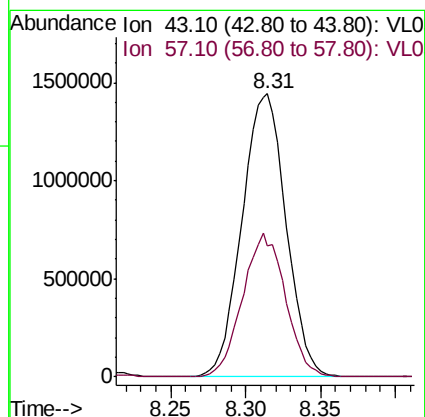
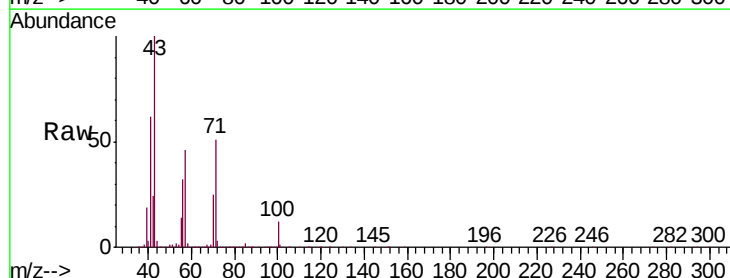
Acq: 15 Aug 2018 19:09

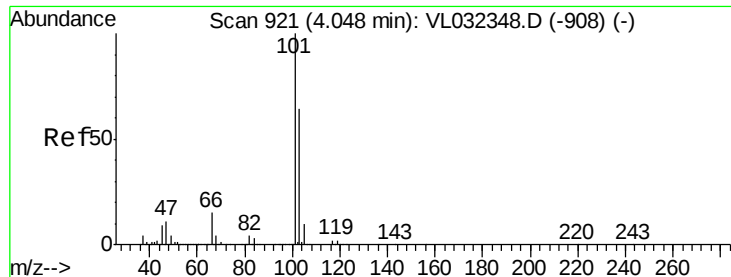
Tgt Ion: 43 Resp: 2931069

Ion Ratio Lower Upper

43 100

57 49.6 39.5 59.3

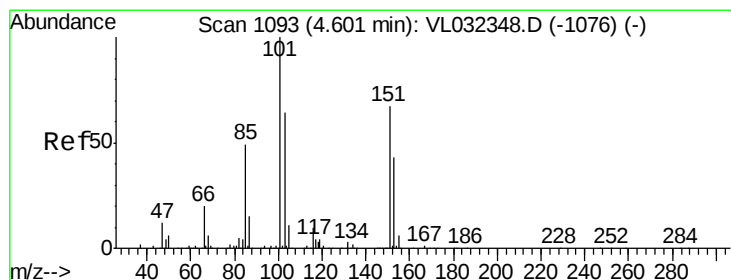
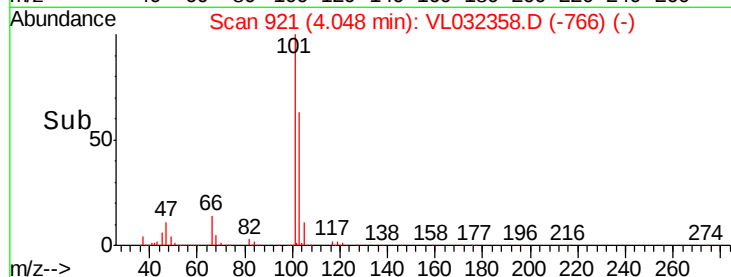
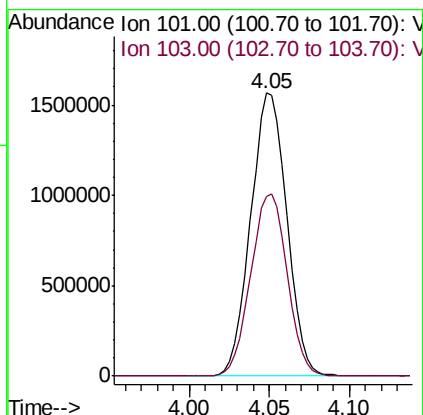
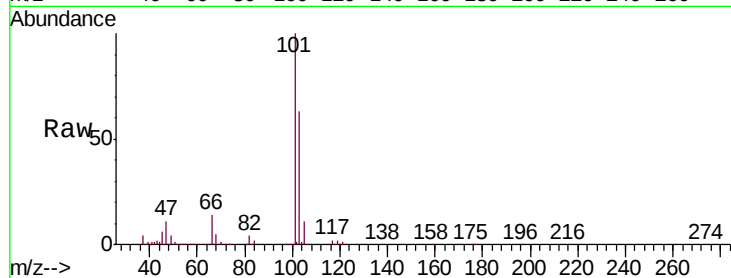




#11
 Trichlorofluoromethane
 Concen: 9.097 ppbv
 RT: 4.05 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

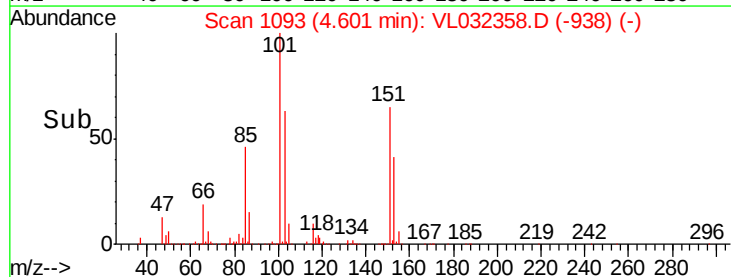
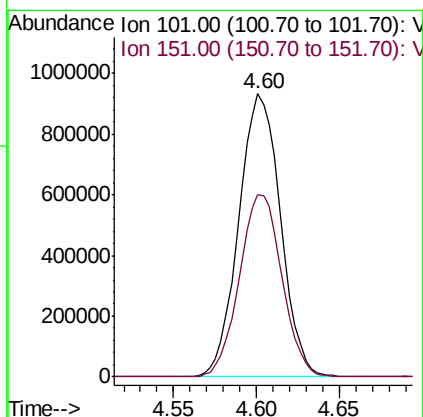
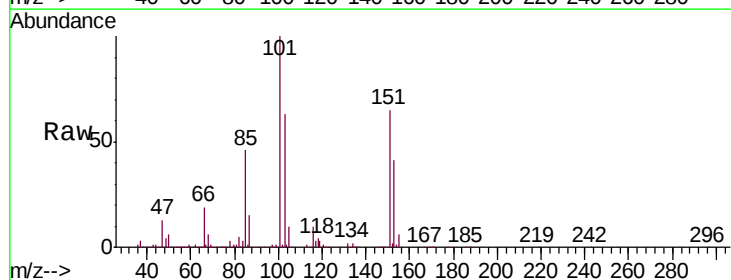
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS02

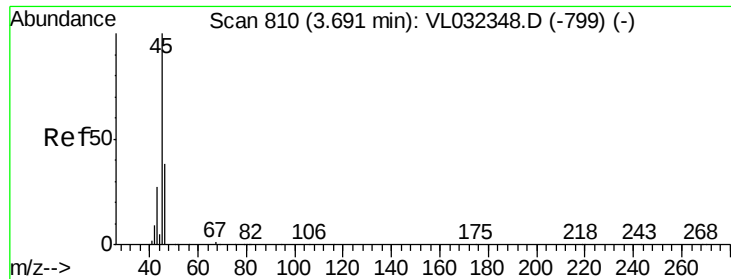
Tgt Ion:101 Resp: 2423702
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.098 ppbv
 RT: 4.60 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

Tgt Ion:101 Resp: 1632199
 Ion Ratio Lower Upper
 101 100
 151 65.8 53.1 79.7





#13

Ethanol

Concen: 10.778 ppbv

RT: 3.69 min Scan# 810

Delta R.T. -0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

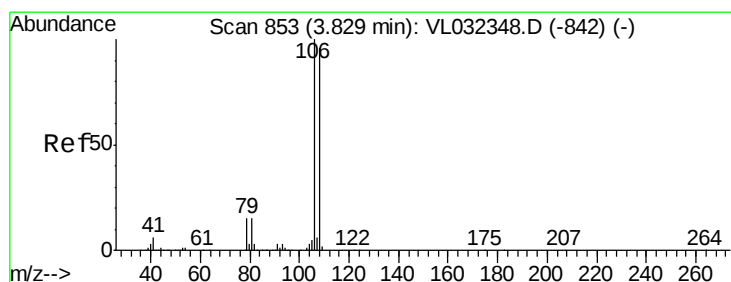
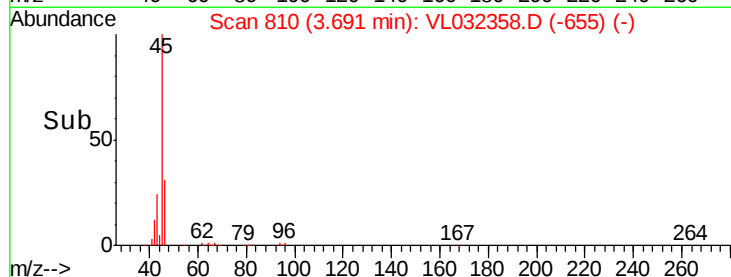
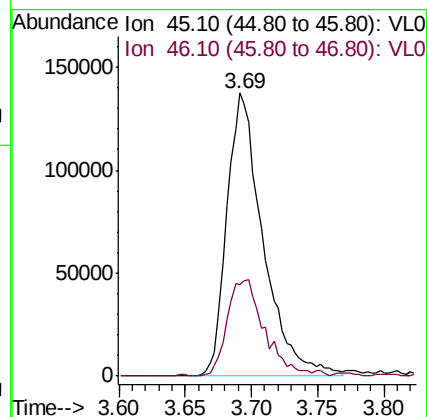
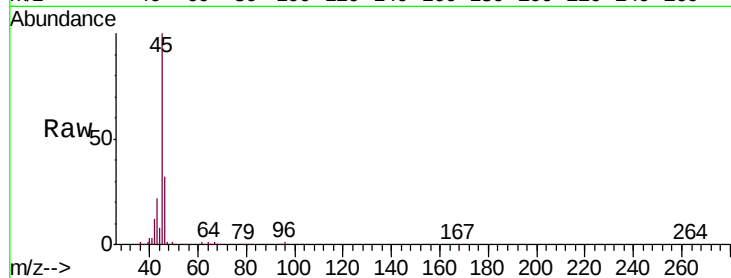
VL0815ABS02

Tgt Ion: 45 Resp: 261418

Ion Ratio Lower Upper

45 100

46 36.4 15.6 62.4



#14

Bromoethene

Concen: 9.160 ppbv

RT: 3.83 min Scan# 853

Delta R.T. -0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

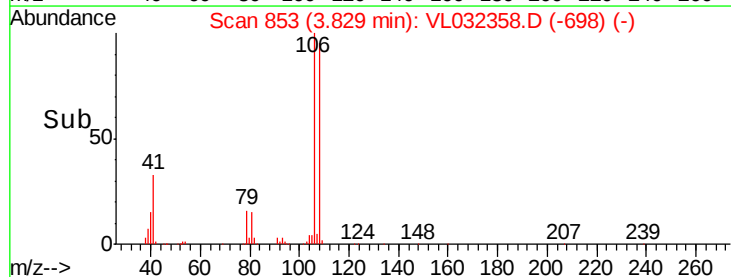
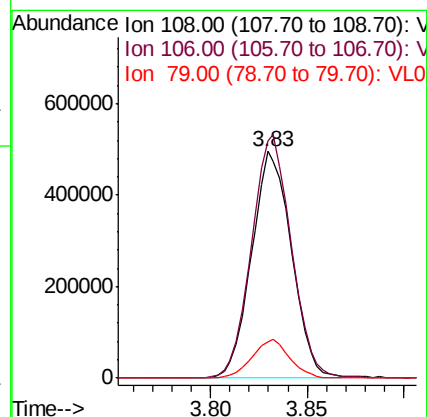
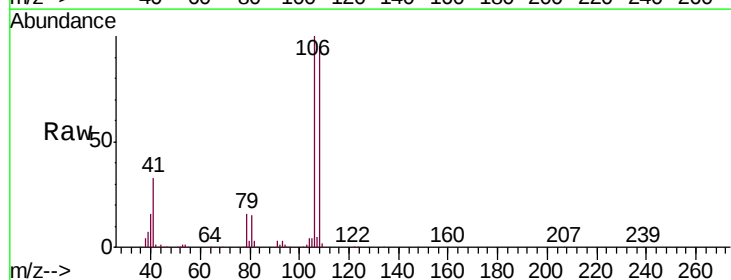
Tgt Ion: 108 Resp: 710703

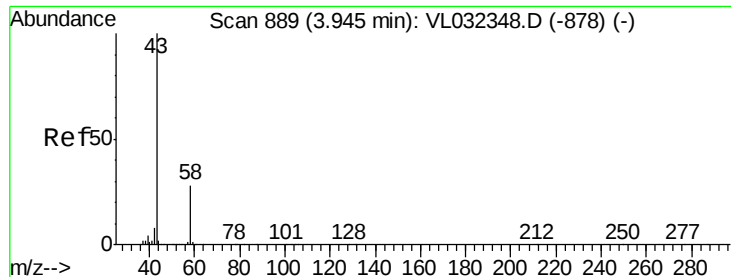
Ion Ratio Lower Upper

108 100

106 107.9 85.7 128.5

79 16.6 13.1 19.7





#15

Acetone

Concen: 8.454 ppbv

RT: 3.95 min Scan# 890

Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

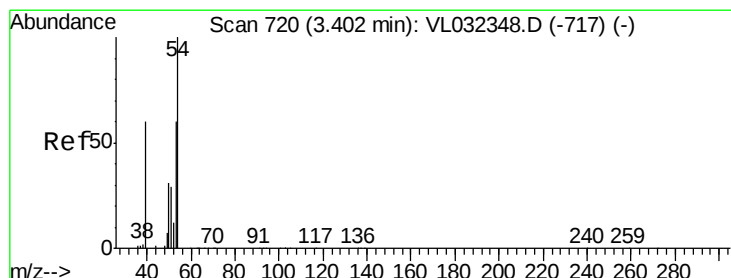
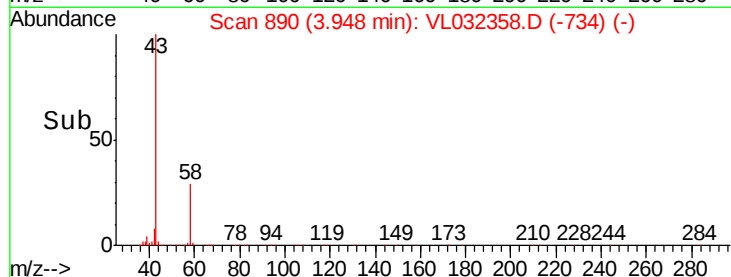
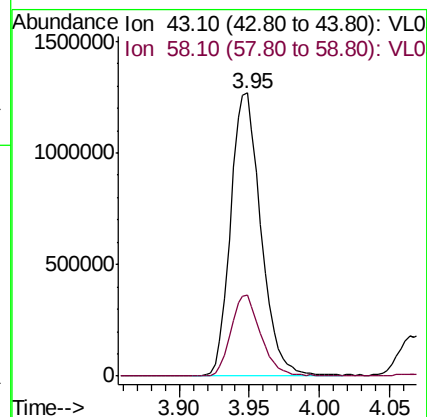
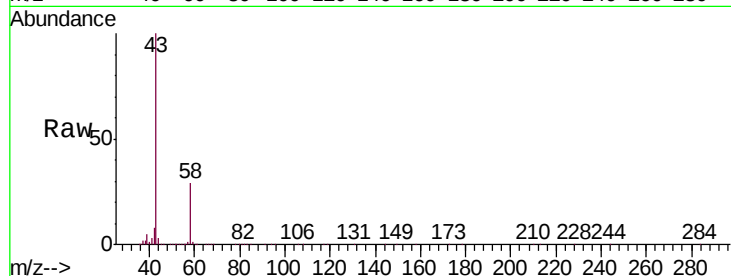
VL0815ABS02

Tgt Ion: 43 Resp: 1913246

Ion Ratio Lower Upper

43 100

58 28.2 22.4 33.6



#16

1,3-Butadiene

Concen: 10.977 ppbv

RT: 3.40 min Scan# 720

Delta R.T. -0.00 min

Lab File: VL032358.D

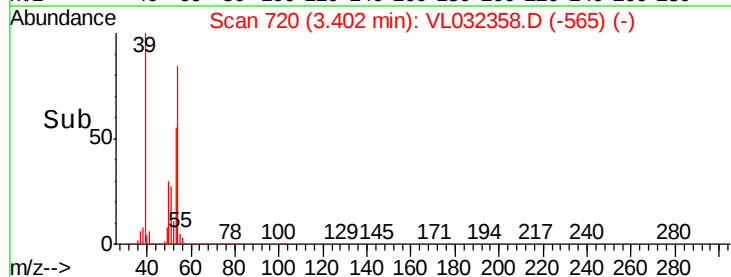
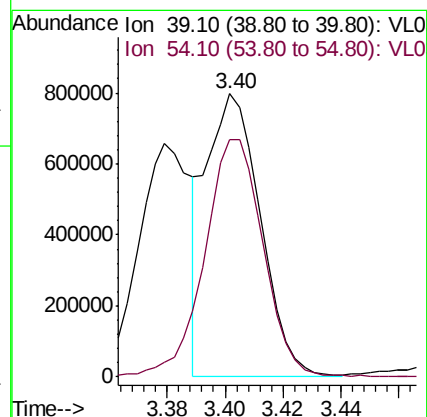
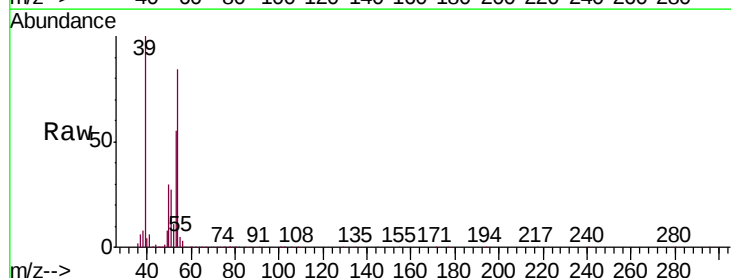
Acq: 15 Aug 2018 19:09

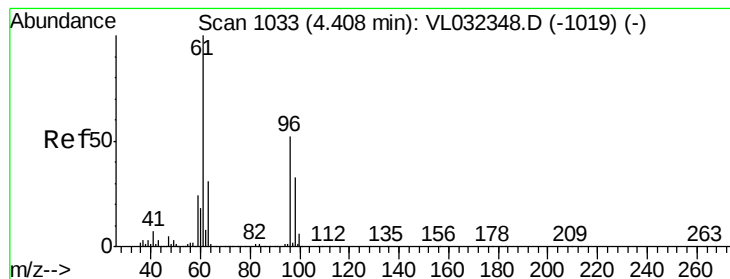
Tgt Ion: 39 Resp: 1025675

Ion Ratio Lower Upper

39 100

54 92.3 85.5 128.3





#17

tert-Butyl alcohol

Concen: 10.068 ppbv

RT: 4.40 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

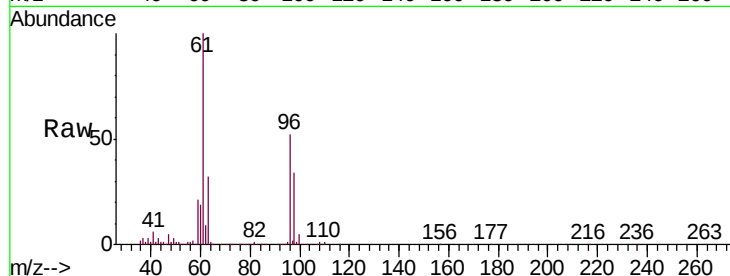
VL0815ABS02

Tgt Ion: 59 Resp: 382330

Ion Ratio Lower Upper

59 100

57 9.5 7.6 11.4



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.40

200000

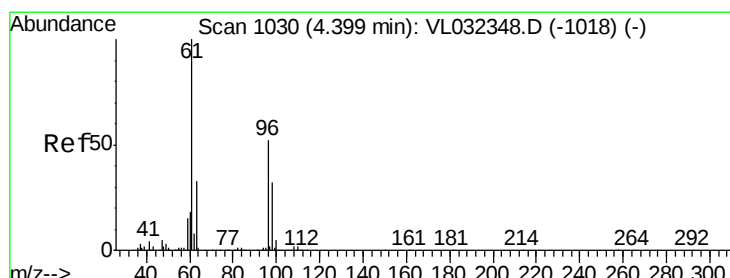
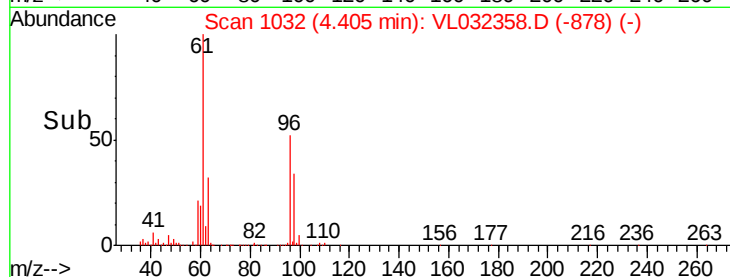
150000

100000

50000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.571 ppbv

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

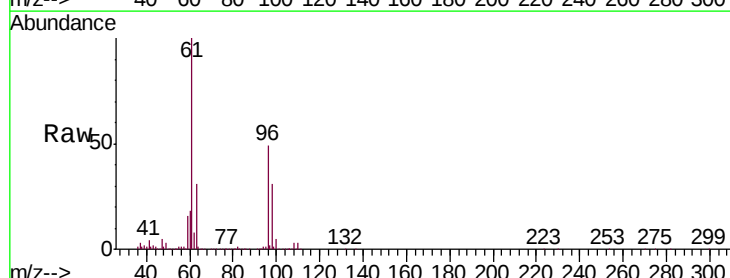
Tgt Ion: 96 Resp: 800017

Ion Ratio Lower Upper

96 100

61 203.5 154.6 231.8

98 63.3 50.1 75.1



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

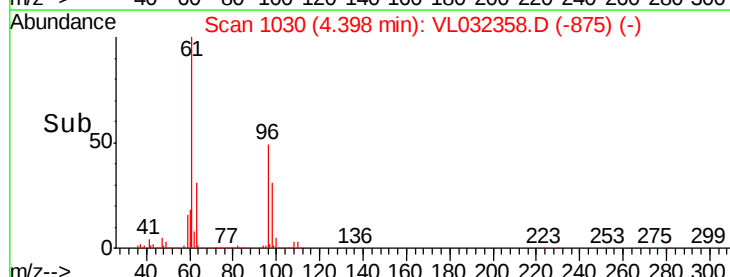
4.40

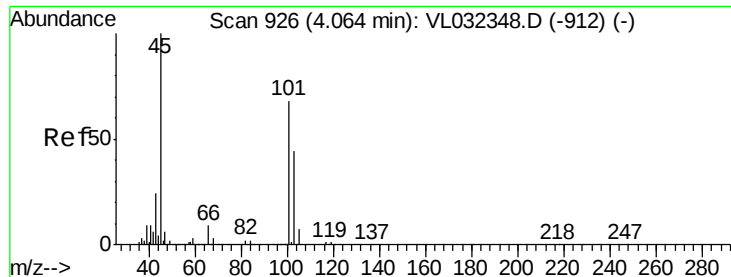
1000000

500000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.267 ppbv

RT: 4.07 min Scan# 928

Delta R.T. 0.01 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

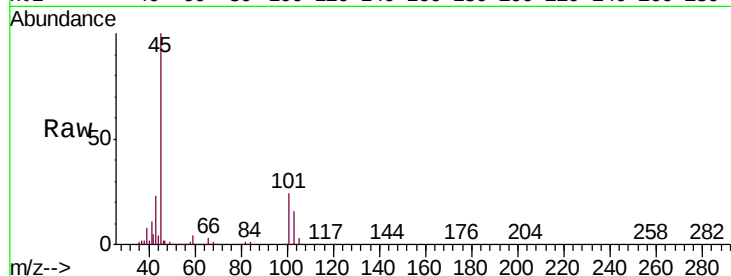
VL0815ABS02

Tgt Ion: 45 Resp: 1564749

Ion Ratio Lower Upper

45 100

58 1.4 1.4 2.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.07

800000

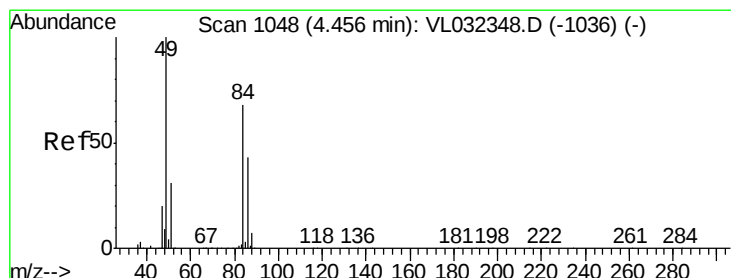
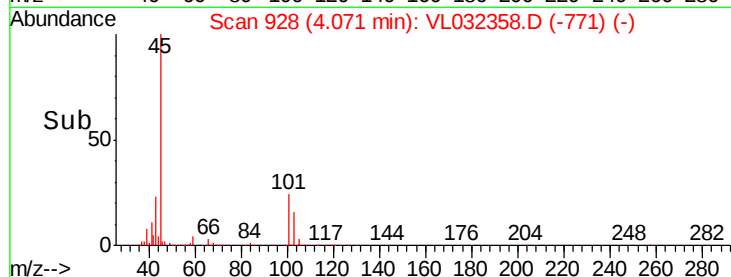
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 8.322 ppbv

RT: 4.46 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Tgt Ion: 84 Resp: 711358

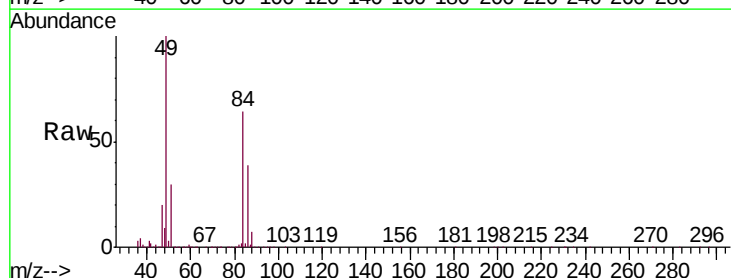
Ion Ratio Lower Upper

84 100

49 155.7 117.3 175.9

51 46.3 36.6 55.0

86 61.6 49.8 74.8



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

1000000

800000

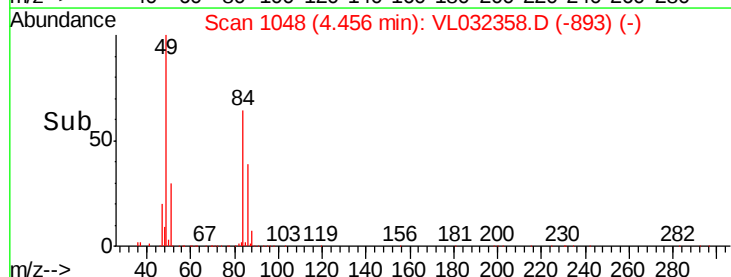
600000

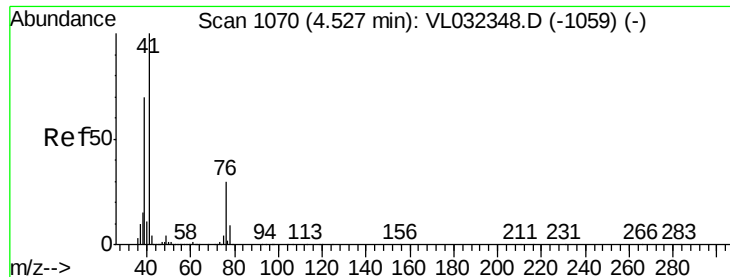
400000

200000

0

Time-->

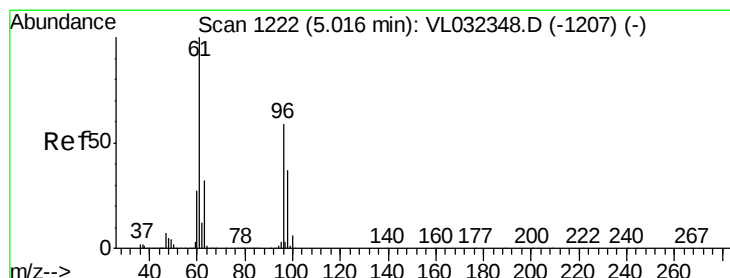
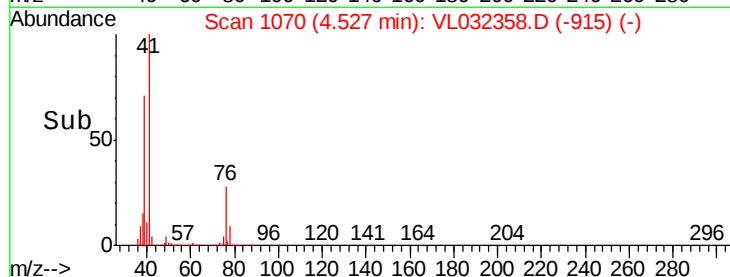
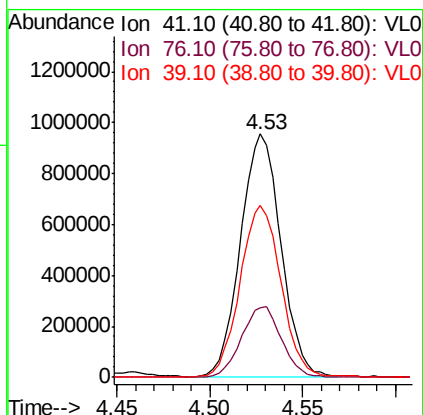
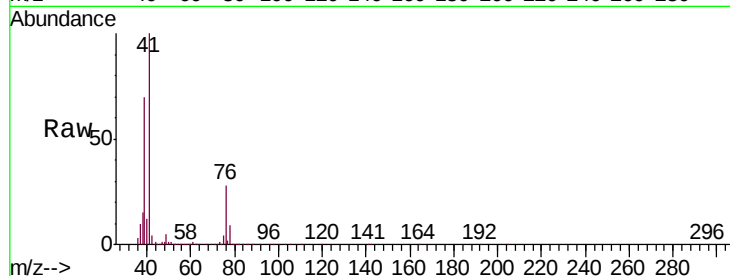




#21
 Allyl Chloride
 Concen: 10.139 ppbv
 RT: 4.53 min Scan# 1070
 Delta R.T. -0.00 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

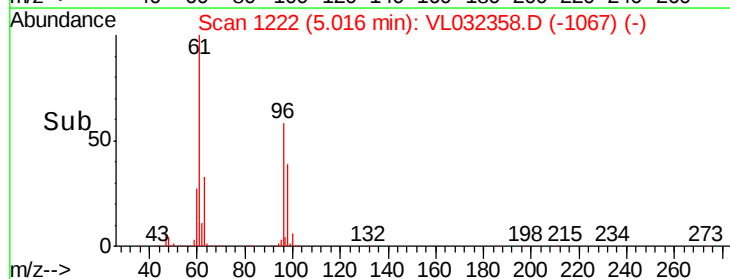
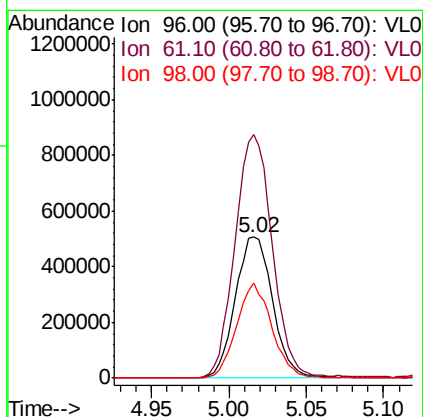
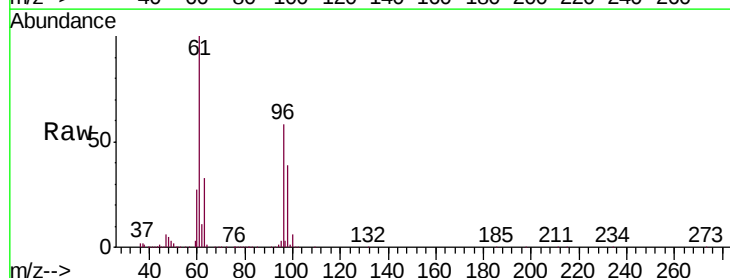
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS02

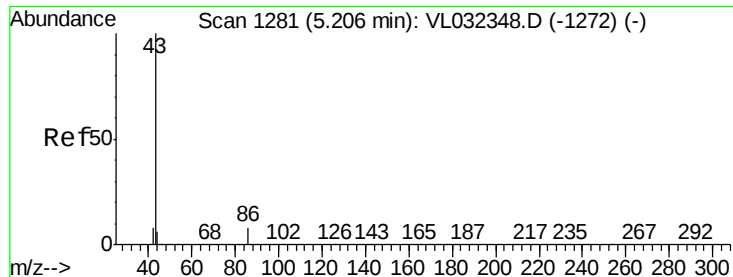
Tgt Ion: 41 Resp: 1448269
 Ion Ratio Lower Upper
 41 100
 76 28.8 22.9 34.3
 39 71.6 57.6 86.4



#22
 trans-1,2-Dichloroethene
 Concen: 10.094 ppbv
 RT: 5.02 min Scan# 1222
 Delta R.T. -0.00 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

Tgt Ion: 96 Resp: 850901
 Ion Ratio Lower Upper
 96 100
 61 172.8 136.6 205.0
 98 67.3 50.6 76.0





#23

Vinyl Acetate

Concen: 10.183 ppbv

RT: 5.21 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

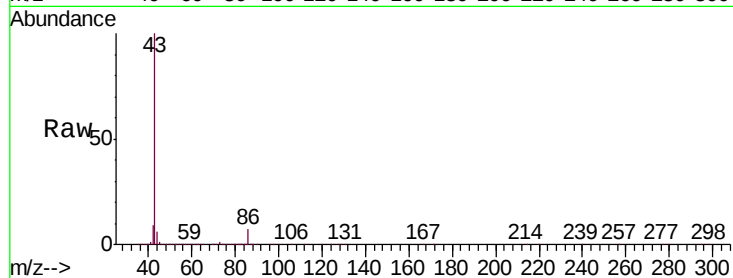
MSVOA_L

ClientSampleId :

VL0815ABS02

Tgt Ion: 43 Resp: 3979792

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.5	8.3
42	9.4	7.0	10.6
44	5.7	4.6	6.8

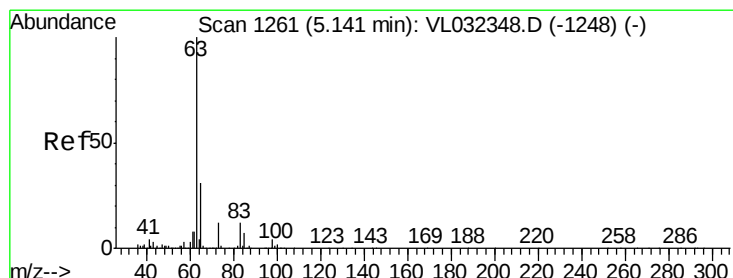
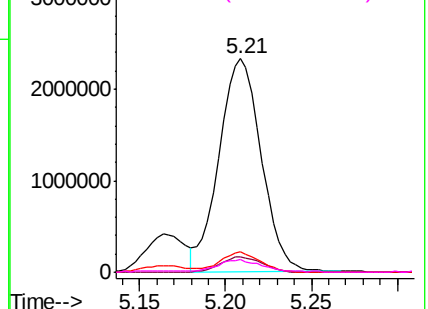
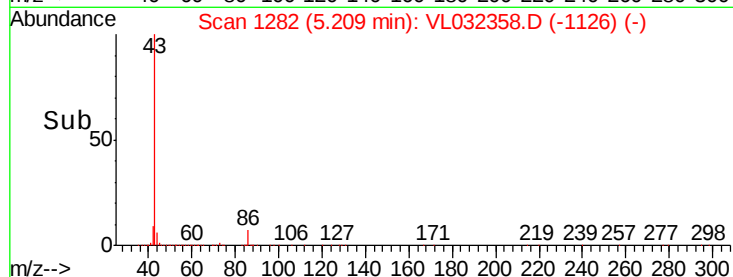


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.751 ppbv

RT: 5.14 min Scan# 1262

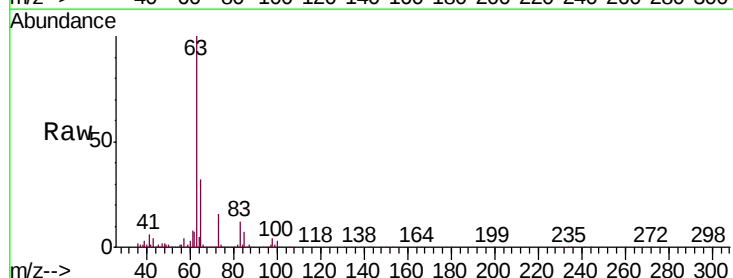
Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Tgt Ion: 63 Resp: 2751383

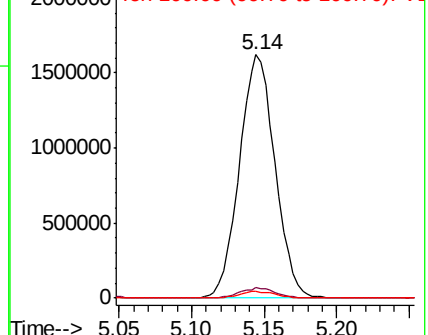
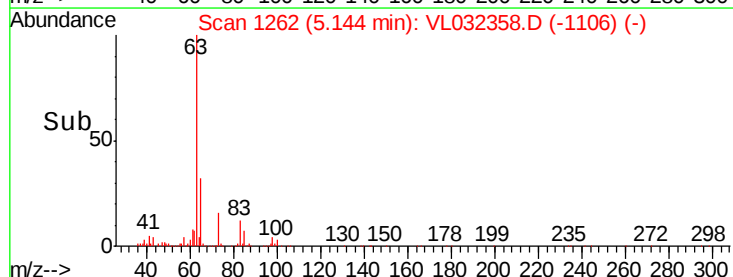
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.3
100	2.7	1.2	3.6

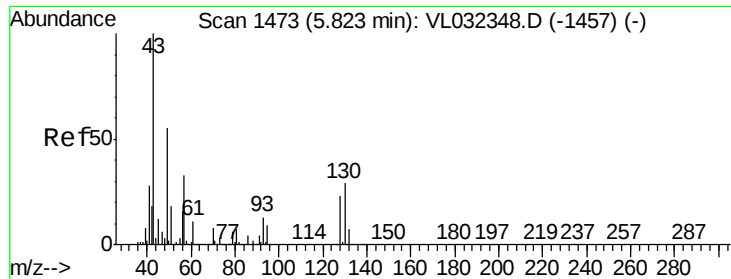


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



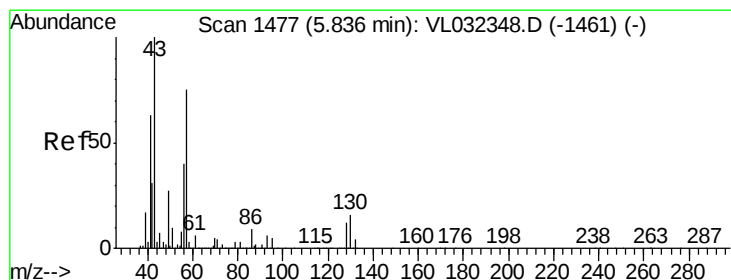
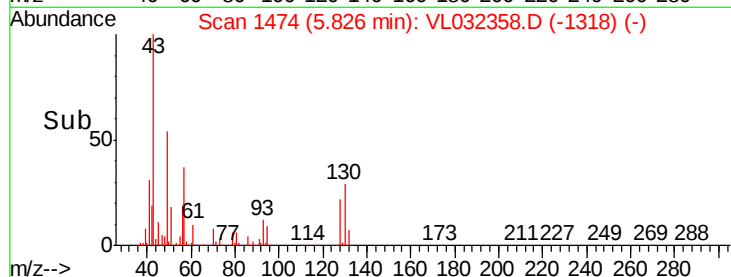
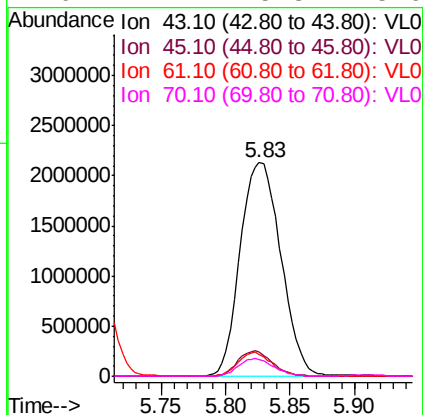
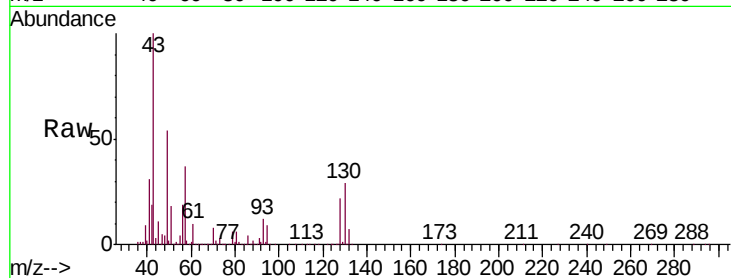


#25
Ethyl Acetate
Concen: 9.635 ppbv
RT: 5.83 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VL032358.D
Acq: 15 Aug 2018 19:09

Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS02

Tgt Ion: 43 Resp: 4673116

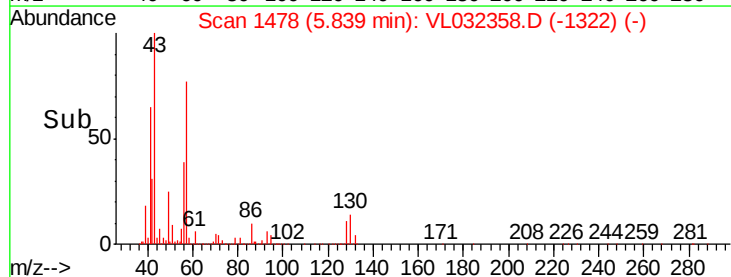
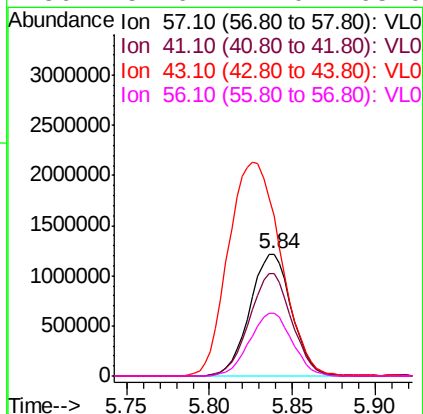
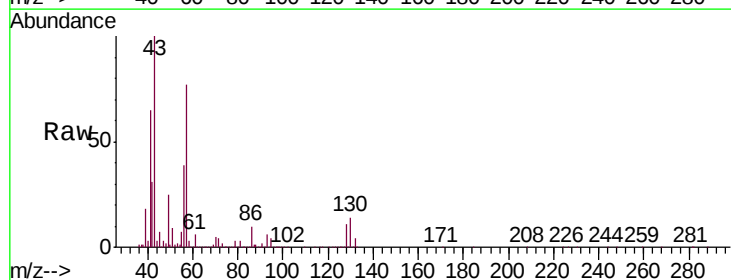
Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.9	11.9
61	9.3	7.4	11.2
70	7.1	5.8	8.6

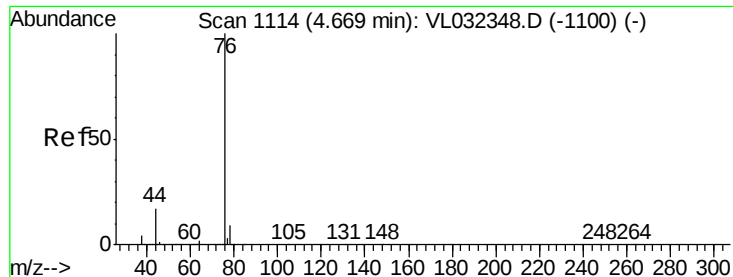


#26
Hexane
Concen: 9.859 ppbv
RT: 5.84 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VL032358.D
Acq: 15 Aug 2018 19:09

Tgt Ion: 57 Resp: 2131725

Ion	Ratio	Lower	Upper
57	100		
41	85.1	68.0	102.0
43	220.2	175.3	262.9
56	52.6	42.0	63.0

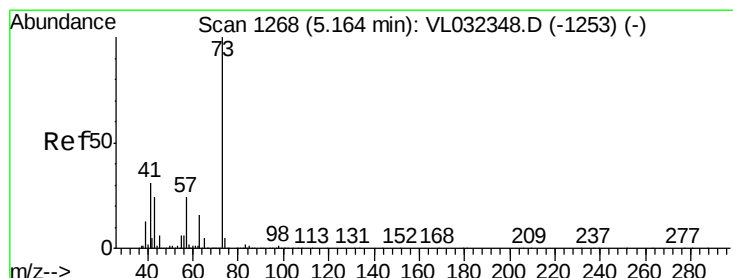
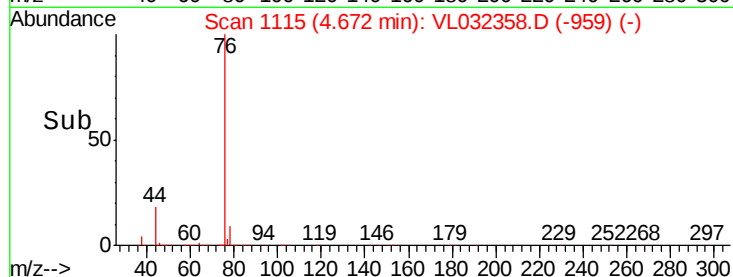
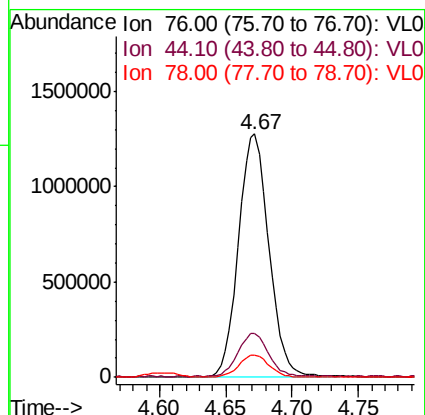
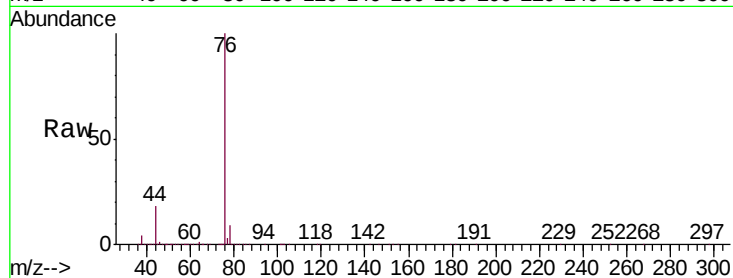




#27
Carbon Disulfide
Concen: 10.146 ppbv
RT: 4.67 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VL032358.D
Acq: 15 Aug 2018 19:09

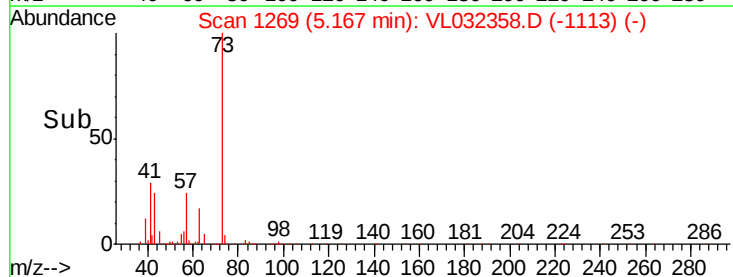
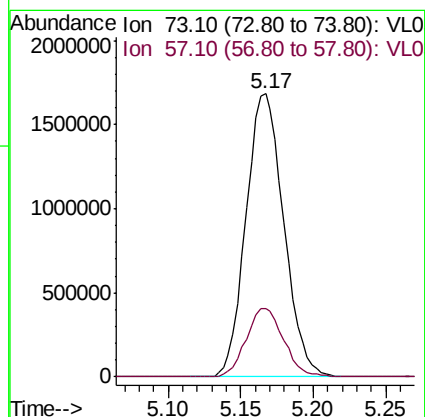
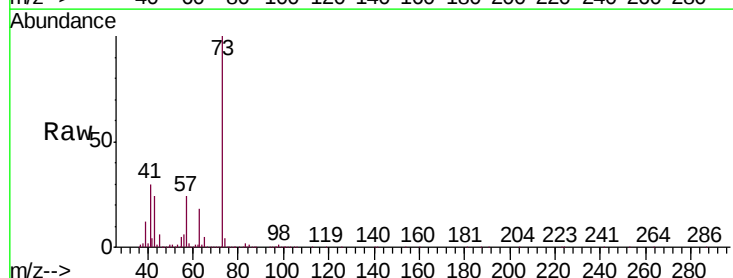
Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS02

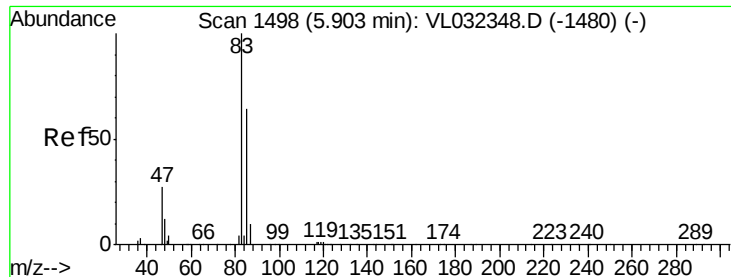
Tgt Ion: 76 Resp: 2047694
Ion Ratio Lower Upper
76 100
44 17.9 14.4 21.6
78 9.3 7.4 11.0



#28
Methyl tert-Butyl Ether
Concen: 10.647 ppbv
RT: 5.17 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VL032358.D
Acq: 15 Aug 2018 19:09

Tgt Ion: 73 Resp: 3055095
Ion Ratio Lower Upper
73 100
57 24.1 19.3 28.9

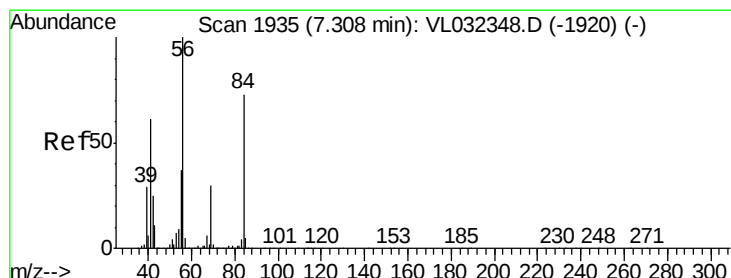
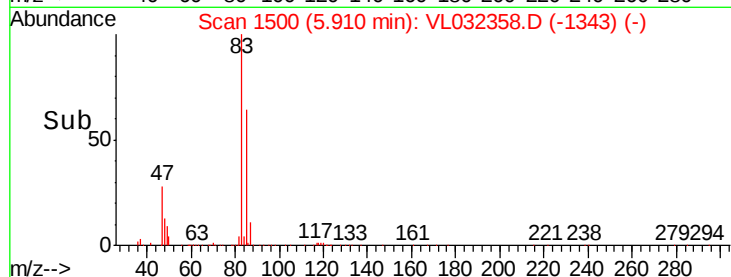
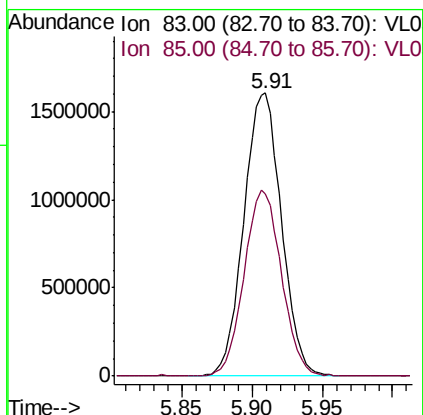
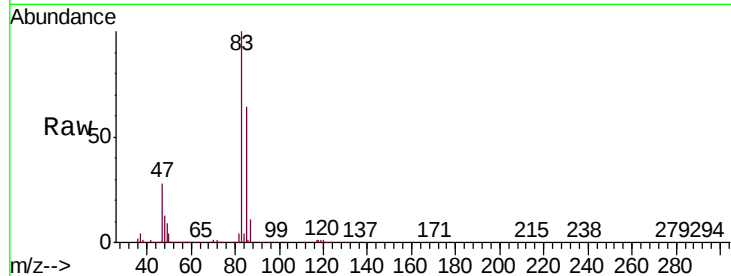




#29
Chloroform
Concen: 9.473 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. 0.01 min
Lab File: VL032358.D
Acq: 15 Aug 2018 19:09

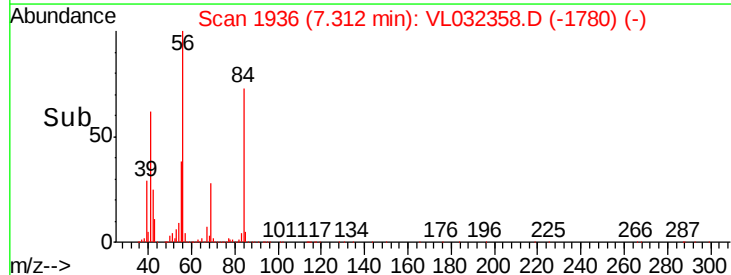
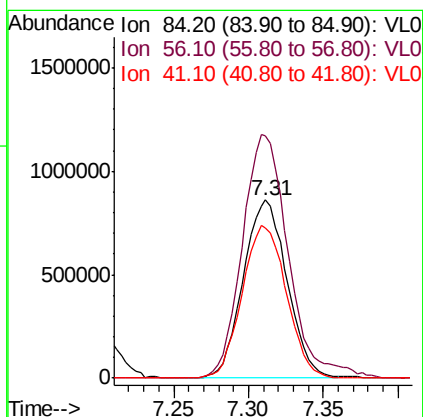
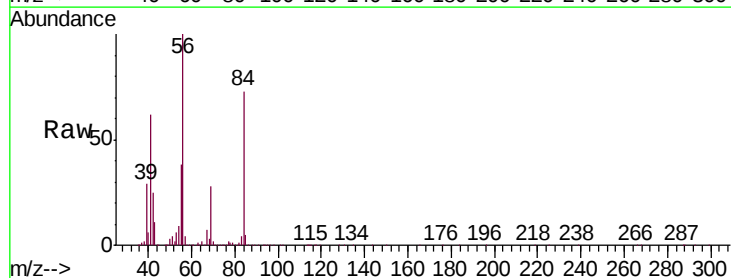
Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS02

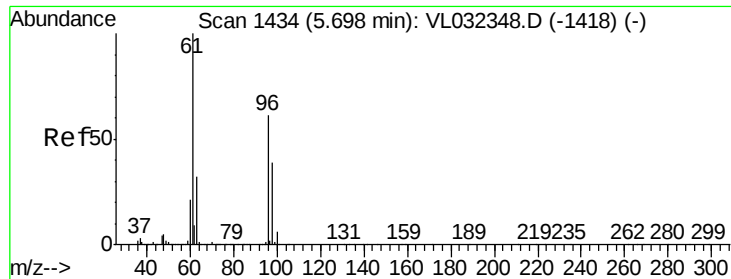
Tgt Ion: 83 Resp: 3001826
Ion Ratio Lower Upper
83 100
85 64.3 51.6 77.4



#30
Cyclohexane
Concen: 10.642 ppbv
RT: 7.31 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VL032358.D
Acq: 15 Aug 2018 19:09

Tgt Ion: 84 Resp: 1752747
Ion Ratio Lower Upper
84 100
56 144.4 115.7 173.5
41 86.8 67.9 101.9

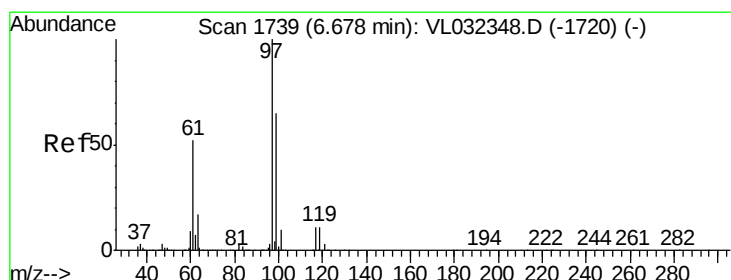
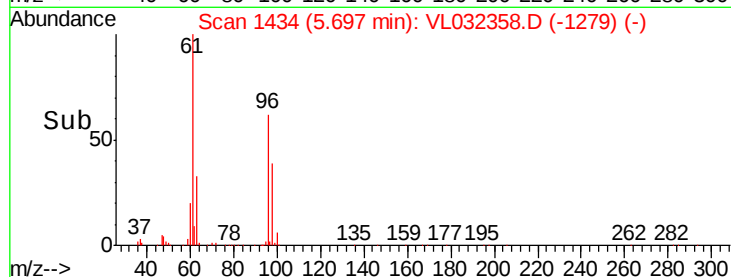
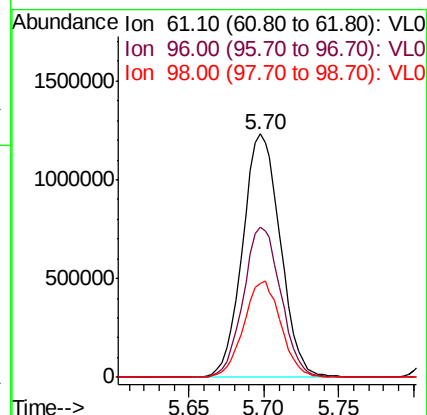
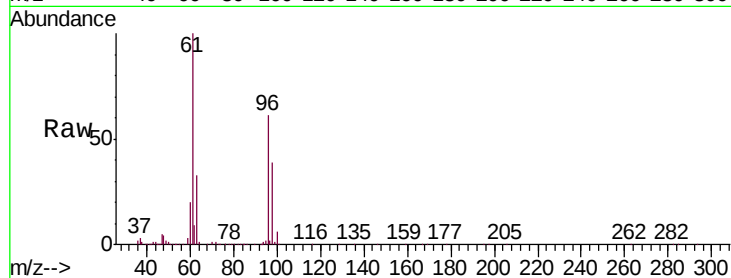




#31
 cis-1,2-Dichloroethene
 Concen: 10.214 ppbv
 RT: 5.70 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

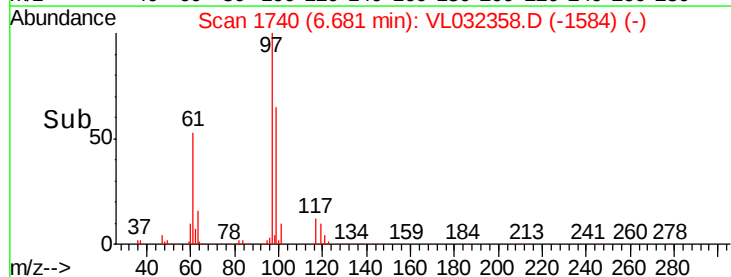
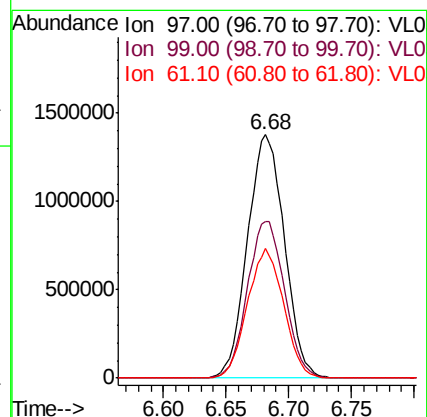
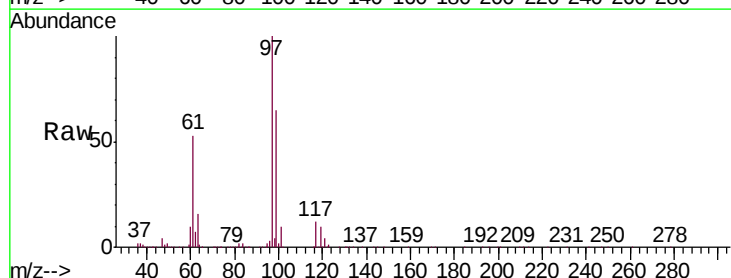
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS02

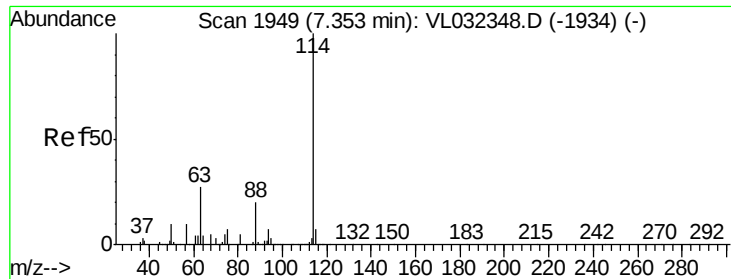
Tgt Ion: 61 Resp: 2160738
 Ion Ratio Lower Upper
 61 100
 96 61.5 48.5 72.7
 98 38.5 31.0 46.4



#32
 1,1,1-Trichloroethane
 Concen: 9.171 ppbv
 RT: 6.68 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

Tgt Ion: 97 Resp: 2828181
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.1 76.7
 61 52.2 41.1 61.7

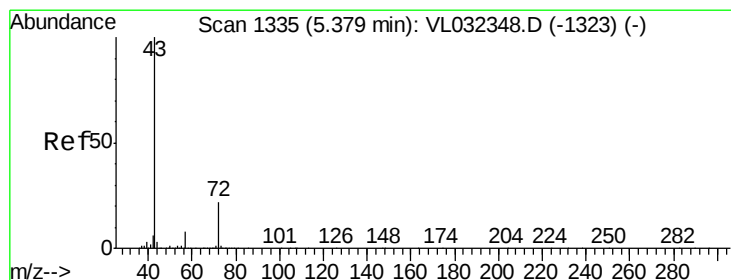
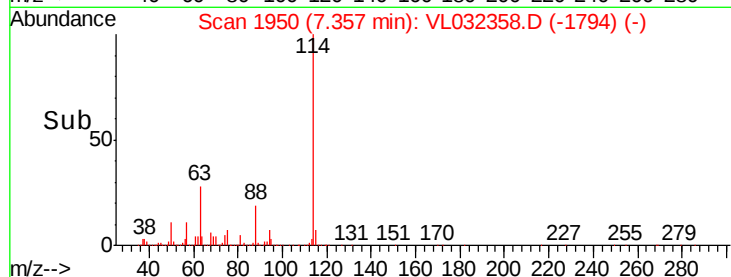
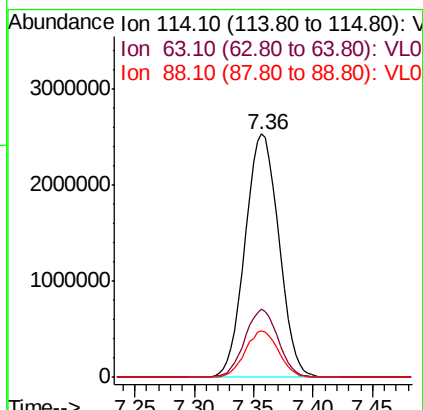
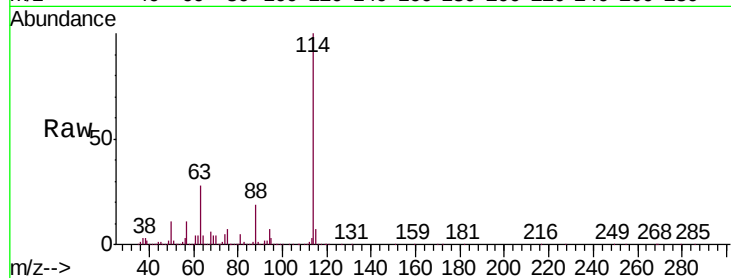




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.36 min Scan# 1950
 Delta R.T. 0.00 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

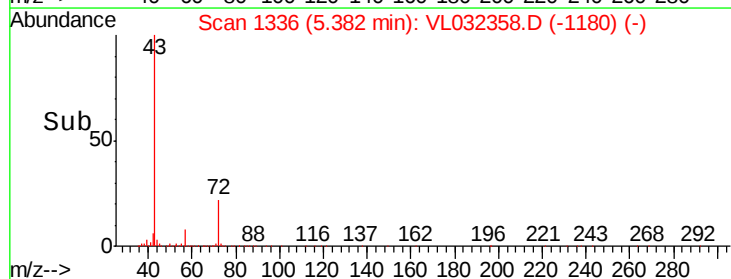
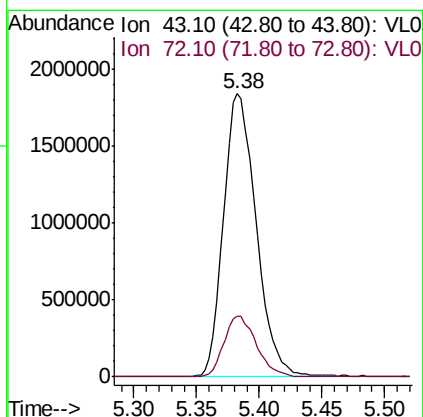
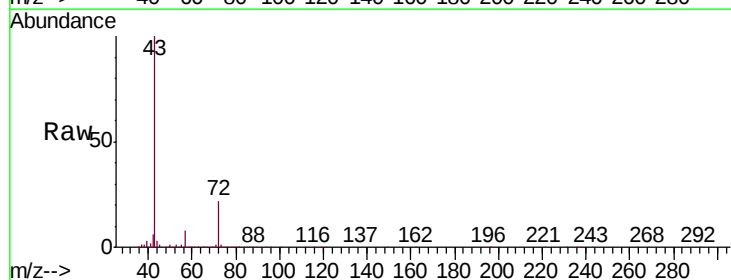
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS02

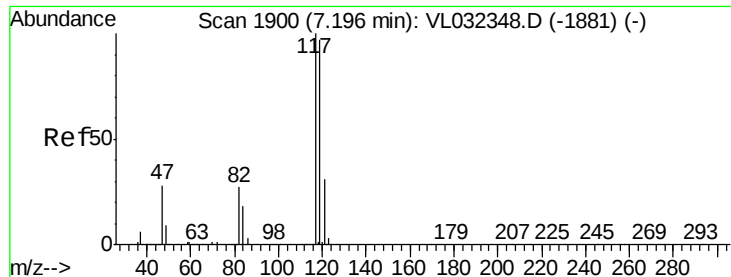
Tgt Ion: 114 Resp: 4983019
 Ion Ratio Lower Upper
 114 100
 63 27.9 22.0 33.0
 88 18.9 15.3 22.9



#34
 2-Butanone
 Concen: 9.776 ppbv
 RT: 5.38 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

Tgt Ion: 43 Resp: 3315603
 Ion Ratio Lower Upper
 43 100
 72 21.5 17.9 26.9





#35

Carbon Tetrachloride

Concen: 9.492 ppbv

RT: 7.20 min Scan# 1900

Delta R.T. -0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS02

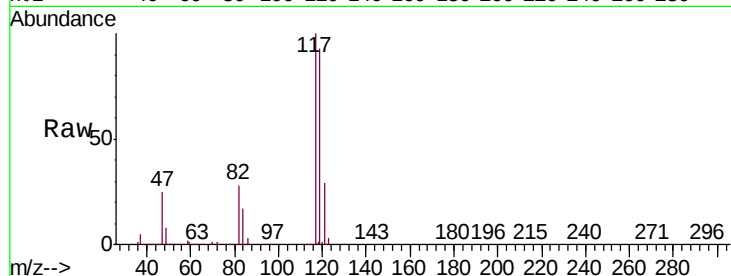
Tgt Ion:117 Resp: 2788962

Ion Ratio Lower Upper

117 100

119 92.9 77.2 115.8

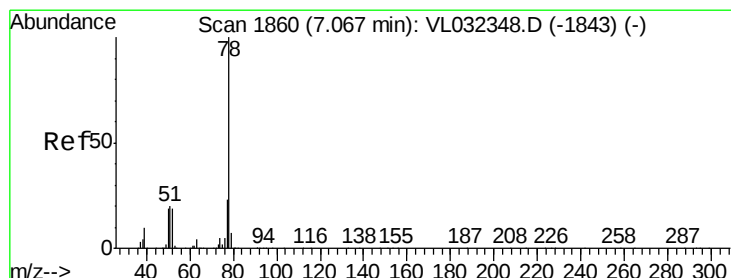
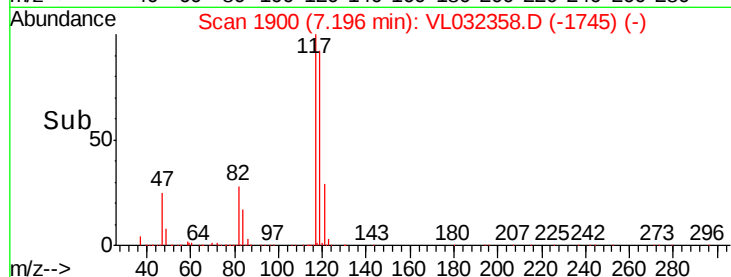
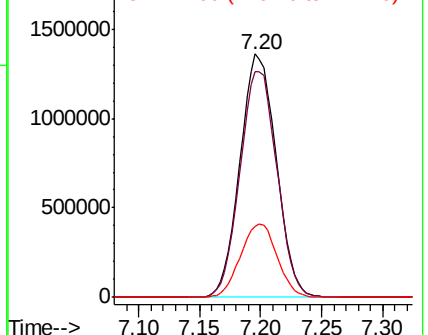
121 29.1 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.726 ppbv

RT: 7.07 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

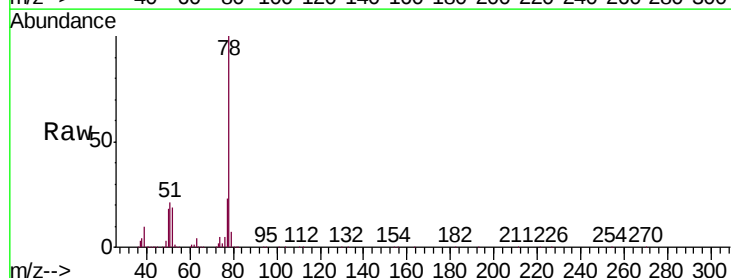
Tgt Ion: 78 Resp: 4108982

Ion Ratio Lower Upper

78 100

77 23.0 18.0 27.0

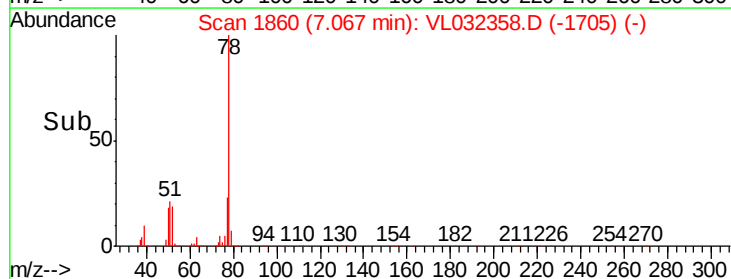
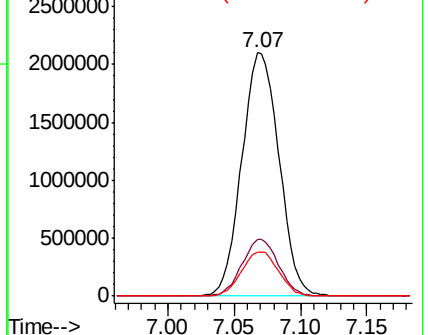
50 17.8 15.1 22.7

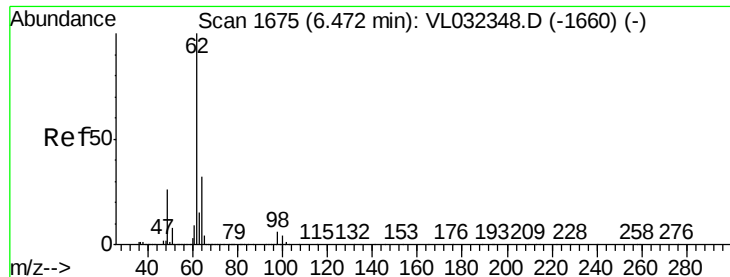


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

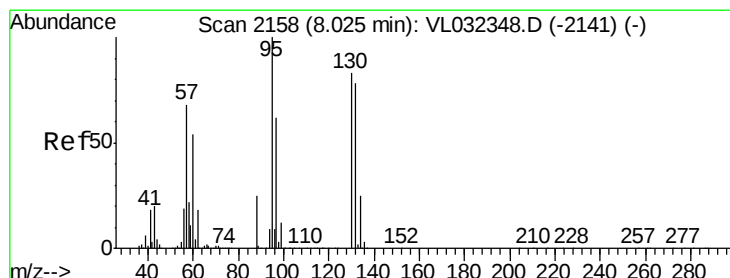
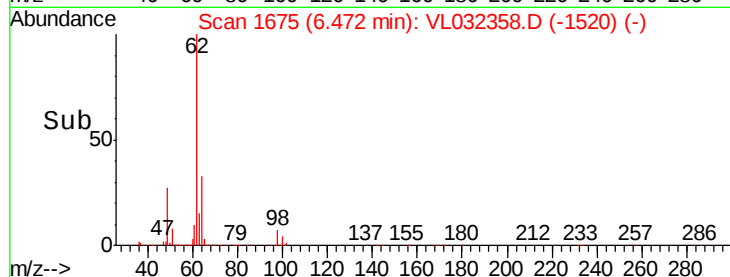
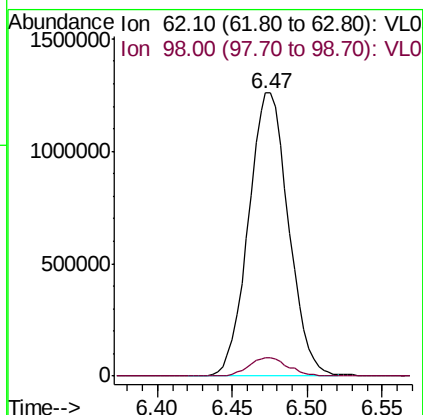
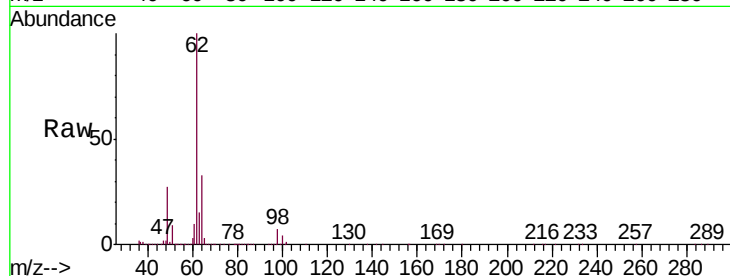




#37
 1,2-Dichloroethane
 Concen: 9.147 ppbv
 RT: 6.47 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

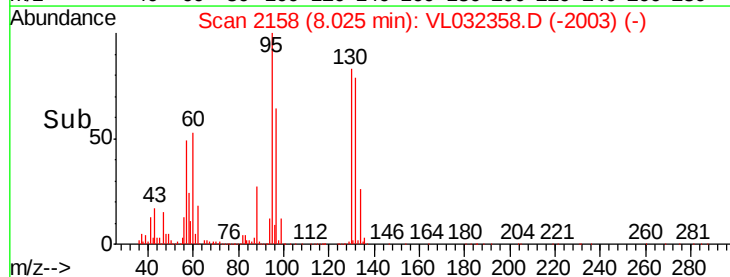
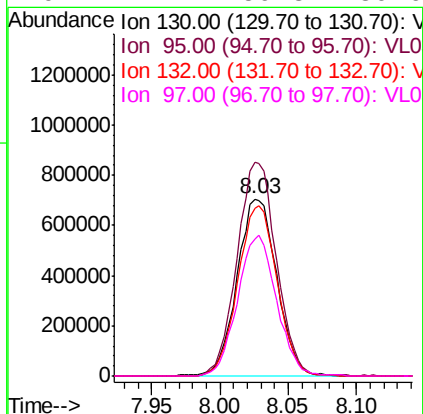
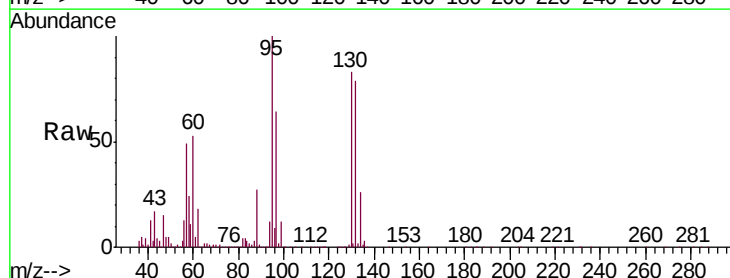
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS02

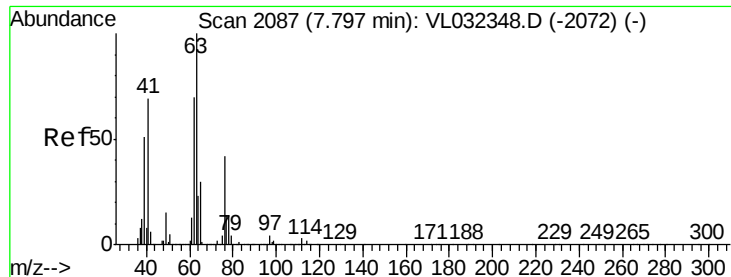
Tgt Ion: 62 Resp: 2344645
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.0 7.6



#38
 Trichloroethene
 Concen: 9.554 ppbv
 RT: 8.03 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

Tgt Ion: 130 Resp: 1415662
 Ion Ratio Lower Upper
 130 100
 95 120.8 96.6 144.8
 132 94.7 75.5 113.3
 97 77.2 59.8 89.6



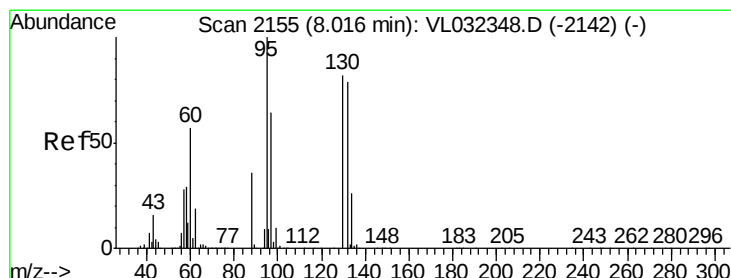
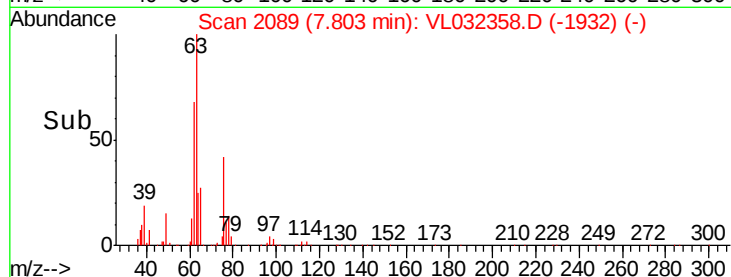
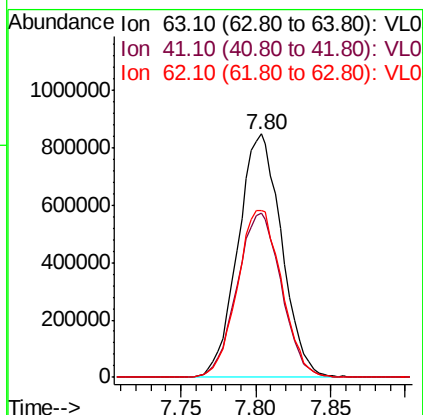
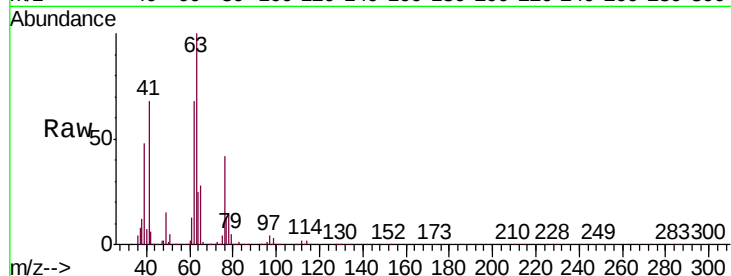


#39
 1,2-Dichloropropane
 Concen: 9.689 ppbv
 RT: 7.80 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS02

Tgt Ion: 63 Resp: 1709816

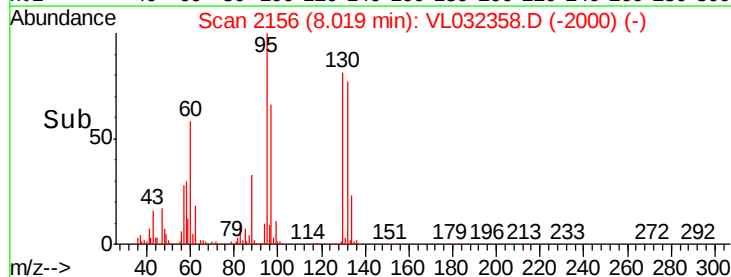
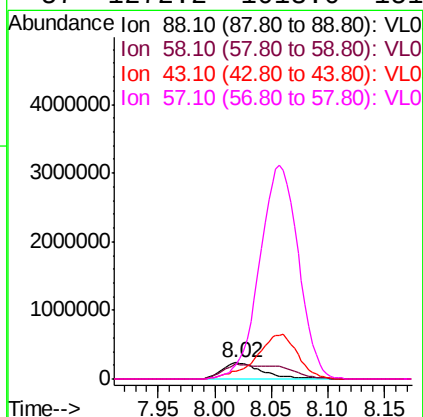
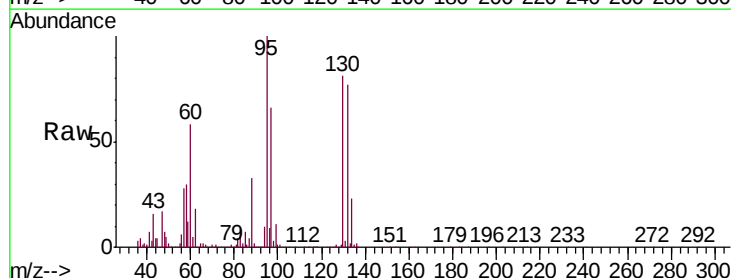
Ion	Ratio	Lower	Upper
63	100		
41	67.7	55.5	83.3
62	68.5	56.3	84.5

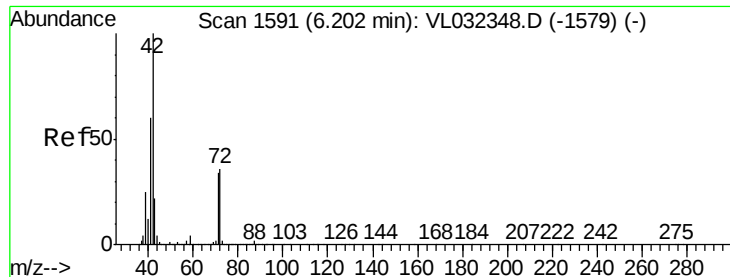


#40
 1,4-Dioxane
 Concen: 10.869 ppbv
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

Tgt Ion: 88 Resp: 582625

Ion	Ratio	Lower	Upper
88	100		
58	142.6	113.7	170.5
43	283.0	224.0	336.0
57	1272.2	1013.0	1519.6





#41

Tetrahydrofuran

Concen: 10.552 ppbv

RT: 6.21 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS02

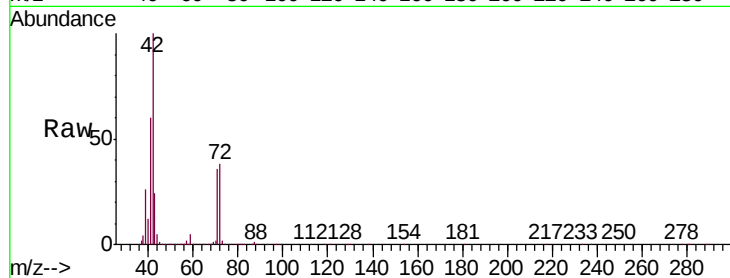
Tgt Ion: 42 Resp: 1921155

Ion Ratio Lower Upper

42 100

72 36.5 29.8 44.6

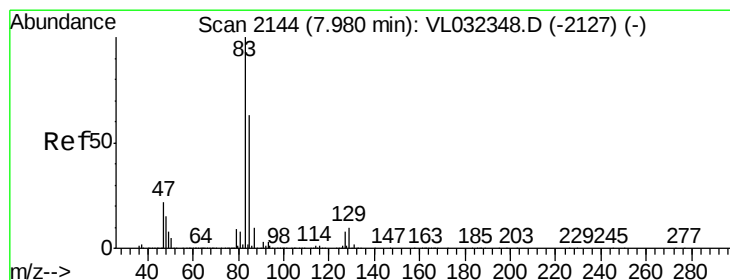
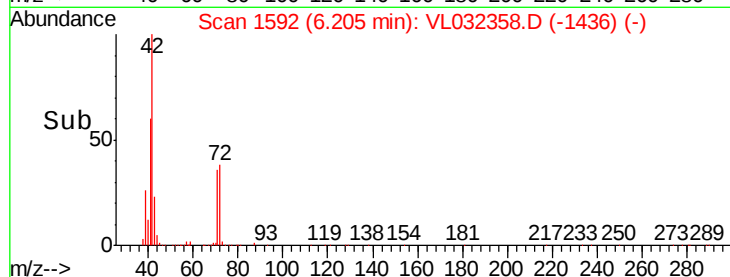
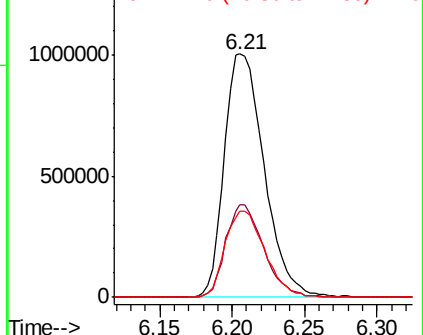
71 35.6 28.2 42.2



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.680 ppbv

RT: 7.99 min Scan# 2146

Delta R.T. 0.01 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

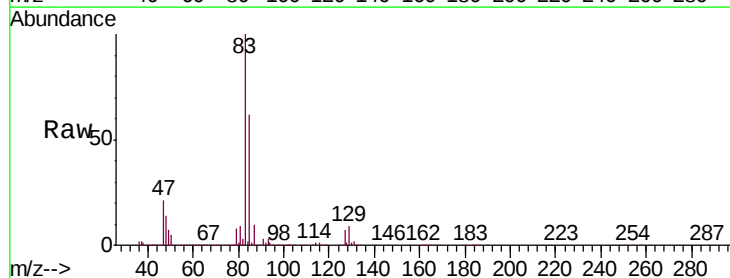
Tgt Ion: 83 Resp: 3248591

Ion Ratio Lower Upper

83 100

85 62.2 50.4 75.6

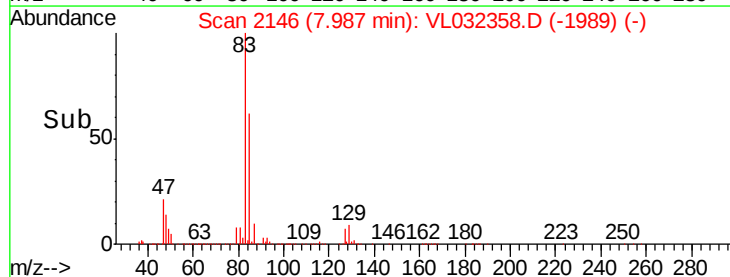
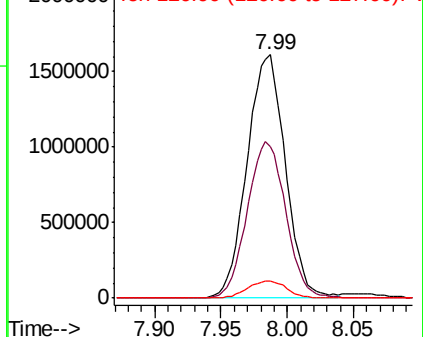
127 7.0 6.1 9.1

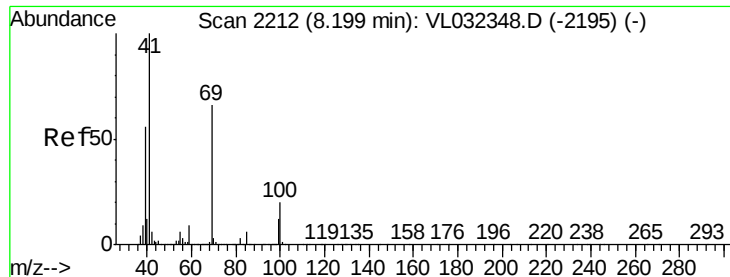


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

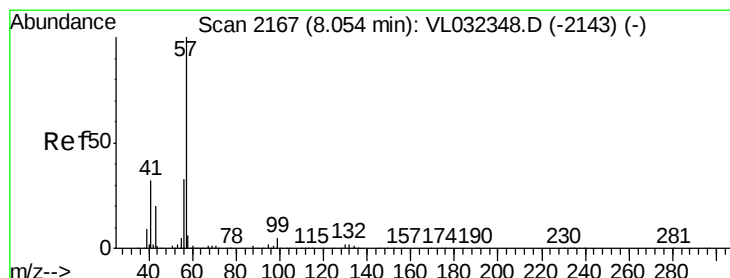
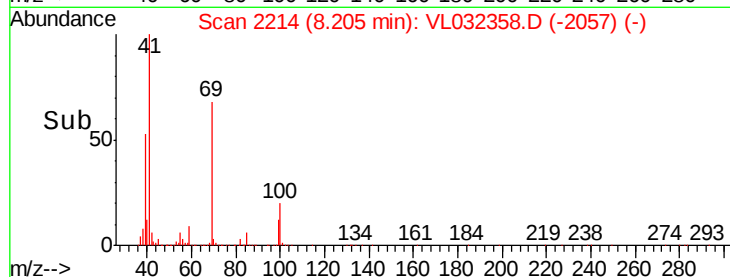
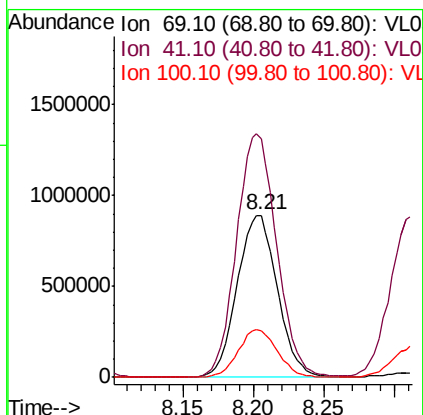
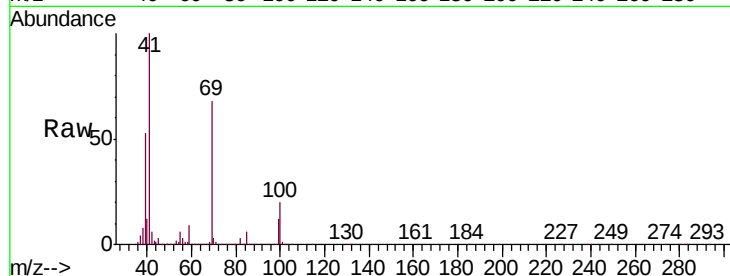




#43
Methyl Methacrylate
Concen: 10.558 ppbv
RT: 8.21 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VL032358.D
Acq: 15 Aug 2018 19:09

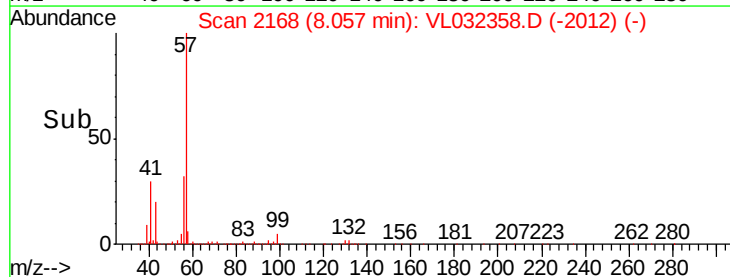
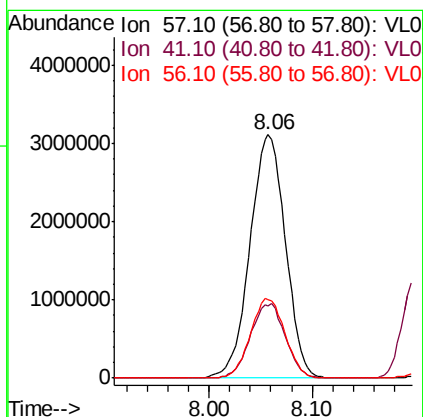
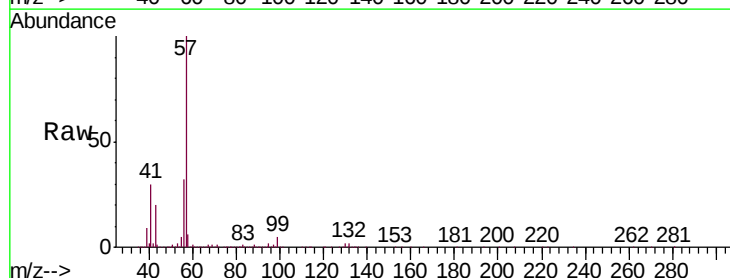
Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS02

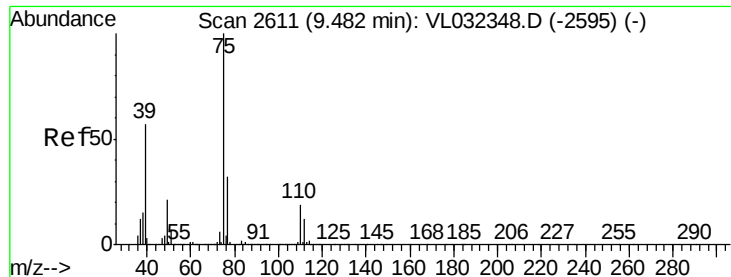
Tgt Ion: 69 Resp: 1777197
Ion Ratio Lower Upper
69 100
41 150.1 118.6 177.8
100 29.0 23.4 35.2



#44
2,2,4-Trimethylpentane
Concen: 9.716 ppbv
RT: 8.06 min Scan# 2168
Delta R.T. 0.00 min
Lab File: VL032358.D
Acq: 15 Aug 2018 19:09

Tgt Ion: 57 Resp: 7401668
Ion Ratio Lower Upper
57 100
41 30.2 24.3 36.5
56 31.9 25.7 38.5

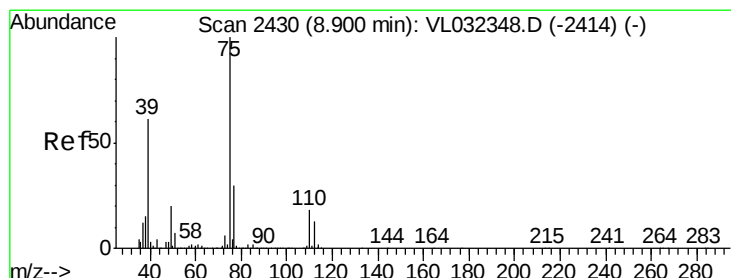
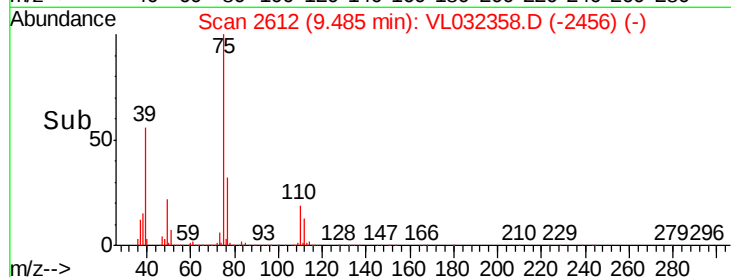
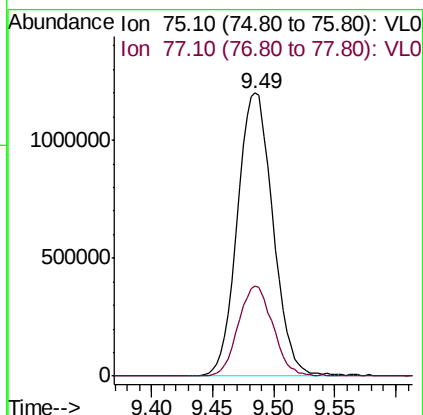
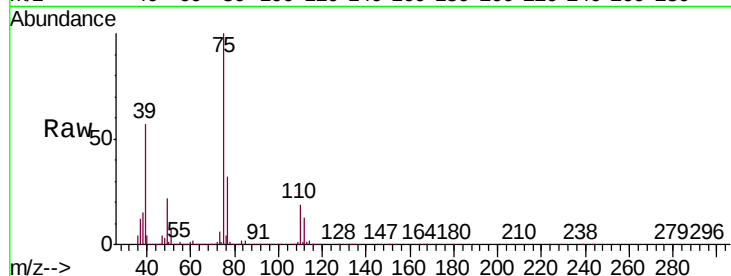




#45
 t-1,3-Dichloropropene
 Concen: 11.337 ppbv
 RT: 9.49 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

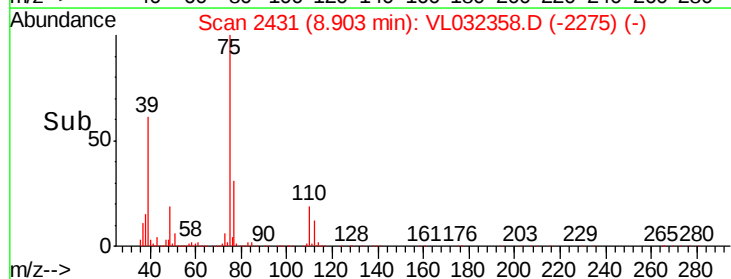
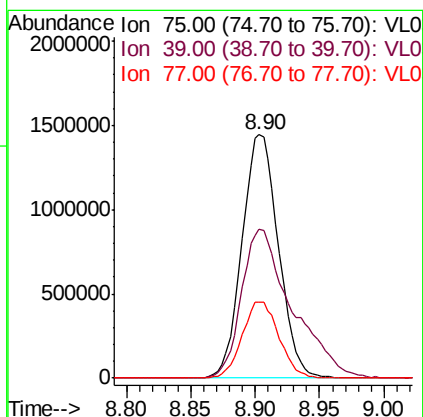
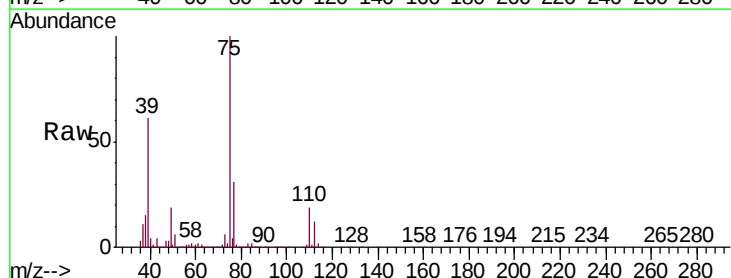
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS02

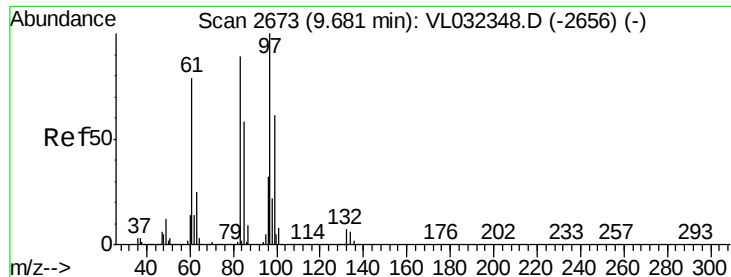
Tgt Ion: 75 Resp: 2413607
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 11.119 ppbv
 RT: 8.90 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

Tgt Ion: 75 Resp: 2839128
 Ion Ratio Lower Upper
 75 100
 39 61.3 48.5 72.7
 77 31.0 24.3 36.5



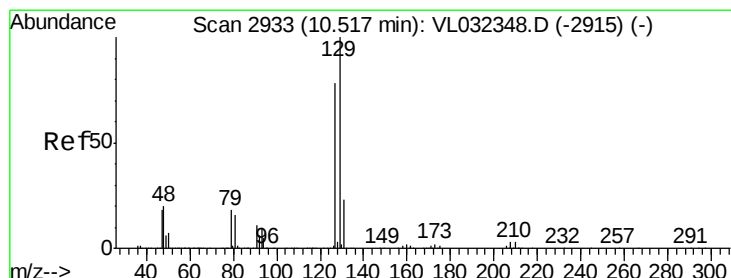
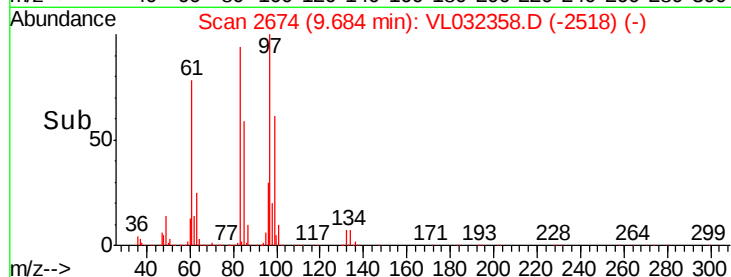
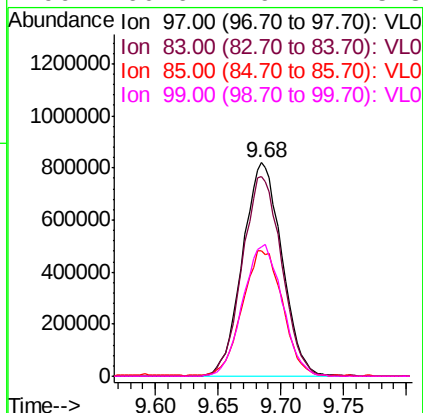
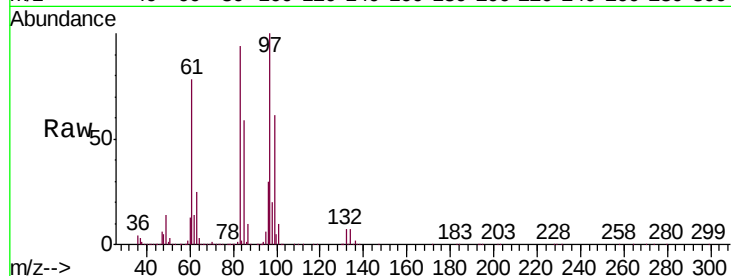


#47
 1,1,2-Trichloroethane
 Concen: 9.204 ppbv
 RT: 9.68 min Scan# 2674
 Delta R.T. 0.00 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS02

Tgt Ion: 97 Resp: 1787703

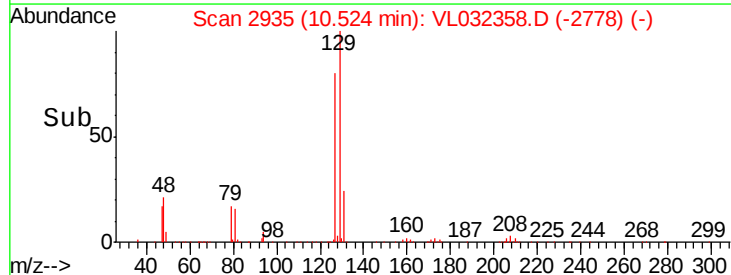
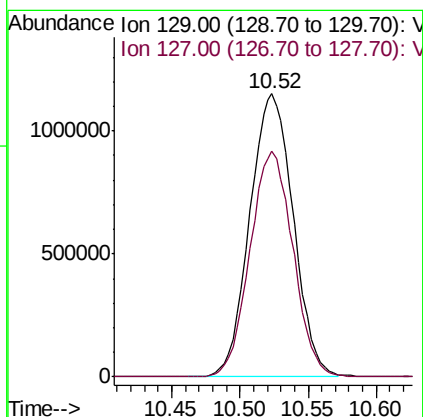
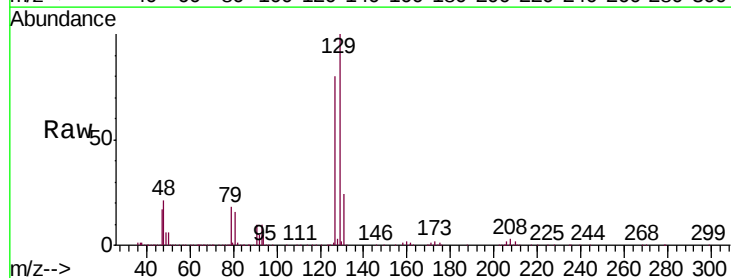
Ion	Ratio	Lower	Upper
97	100		
83	93.7	71.2	106.8
85	58.3	46.6	69.8
99	60.6	49.2	73.8

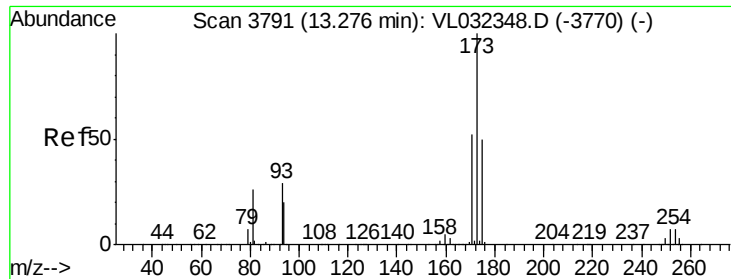


#48
 Dibromochloromethane
 Concen: 9.789 ppbv
 RT: 10.52 min Scan# 2935
 Delta R.T. 0.01 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

Tgt Ion: 129 Resp: 2541843

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.3	117.9





#49

Bromoform

Concen: 9.772 ppbv

RT: 13.28 min Scan# 3791

Delta R.T. -0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS02

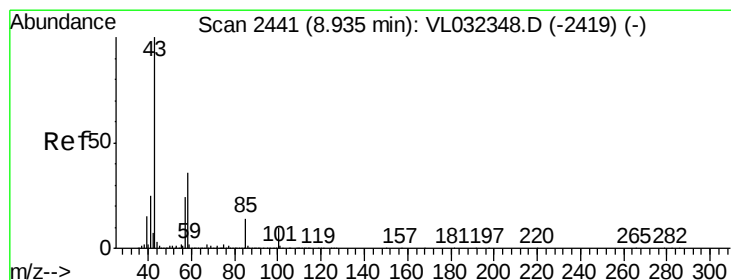
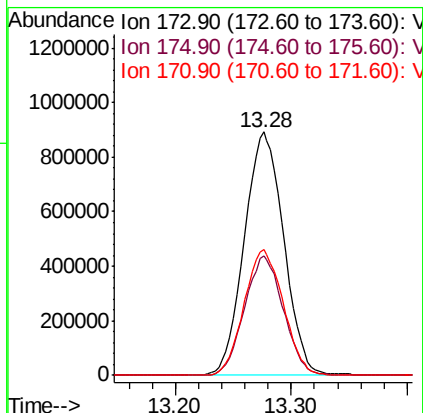
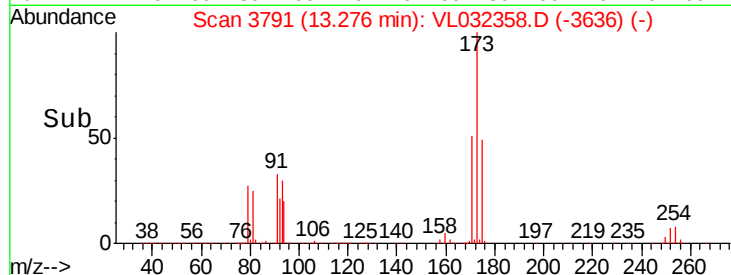
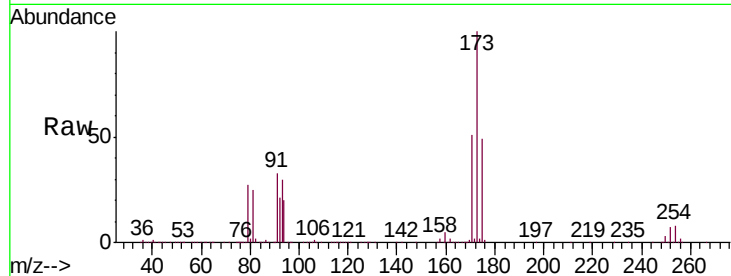
Tgt Ion:173 Resp: 2107700

Ion Ratio Lower Upper

173 100

175 48.6 39.3 58.9

171 51.6 41.9 62.9



#50

4-Methyl-2-Pentanone

Concen: 10.139 ppbv

RT: 8.94 min Scan# 2441

Delta R.T. -0.00 min

Lab File: VL032358.D

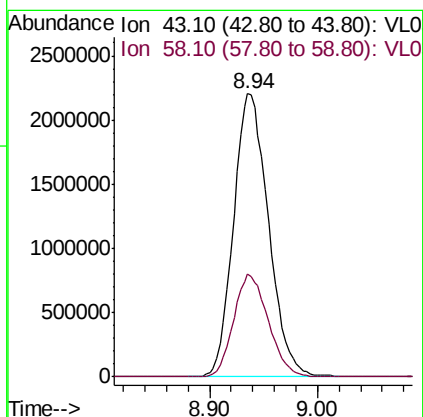
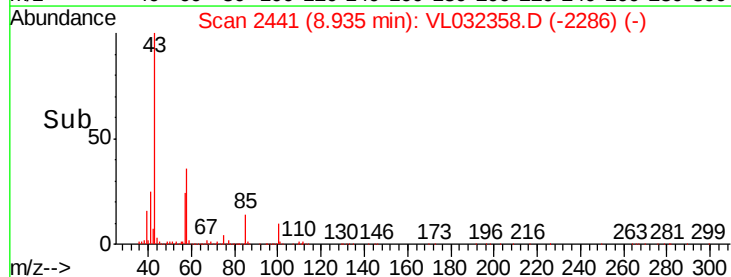
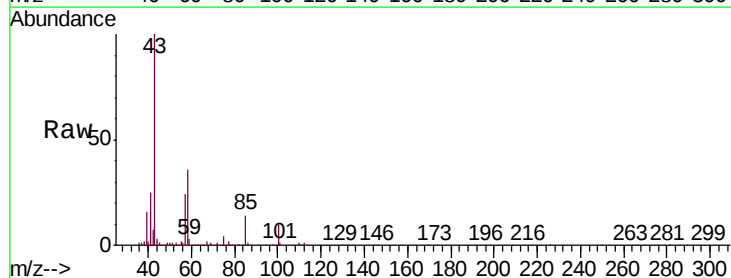
Acq: 15 Aug 2018 19:09

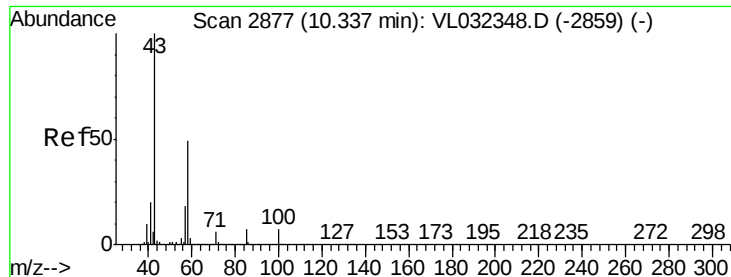
Tgt Ion: 43 Resp: 4965729

Ion Ratio Lower Upper

43 100

58 36.1 28.9 43.3

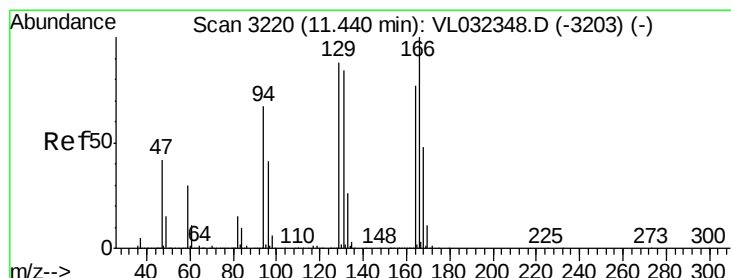
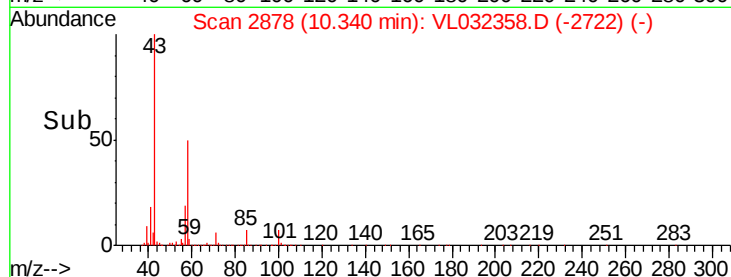
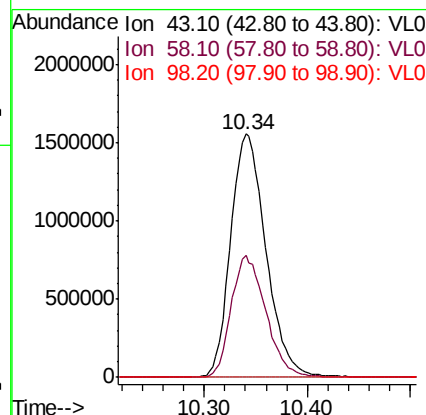
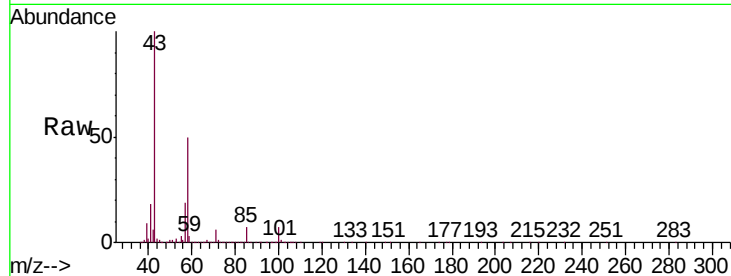




#51
2-Hexanone
Concen: 10.766 ppbv
RT: 10.34 min Scan# 2878
Delta R.T. 0.00 min
Lab File: VL032358.D
Acq: 15 Aug 2018 19:09

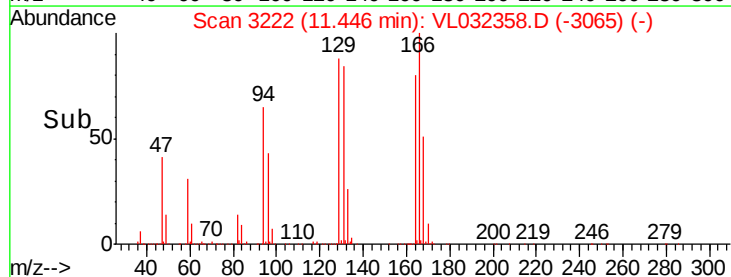
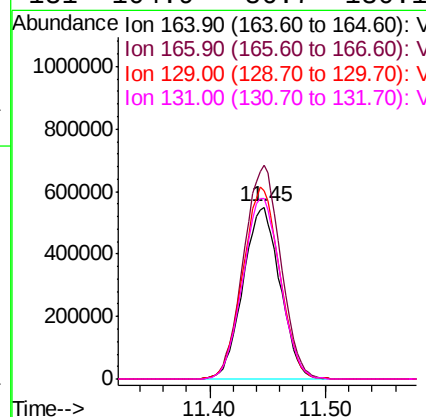
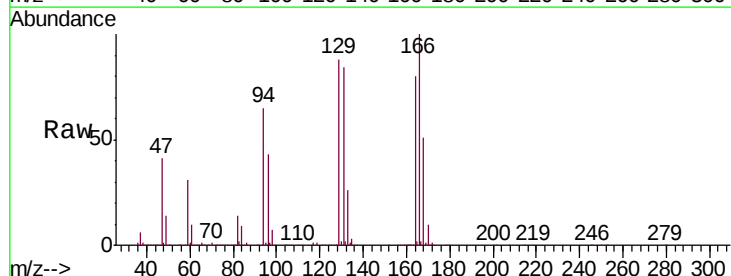
Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS02

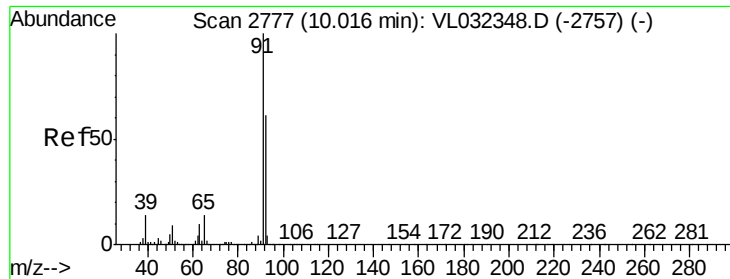
Tgt Ion: 43 Resp: 3702996
Ion Ratio Lower Upper
43 100
58 49.1 39.5 59.3
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 9.745 ppbv
RT: 11.45 min Scan# 3222
Delta R.T. 0.01 min
Lab File: VL032358.D
Acq: 15 Aug 2018 19:09

Tgt Ion: 164 Resp: 1214091
Ion Ratio Lower Upper
164 100
166 124.3 103.5 155.3
129 109.7 90.9 136.3
131 104.9 86.7 130.1





#53

Toluene

Concen: 10.540 ppbv

RT: 10.02 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

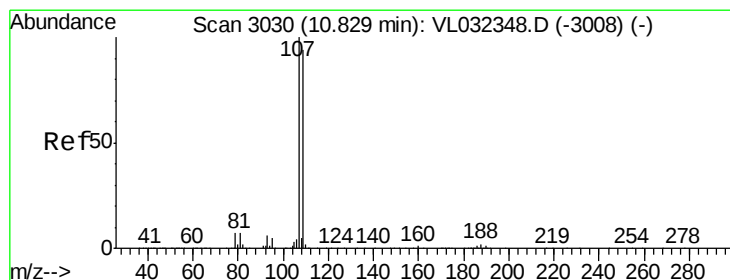
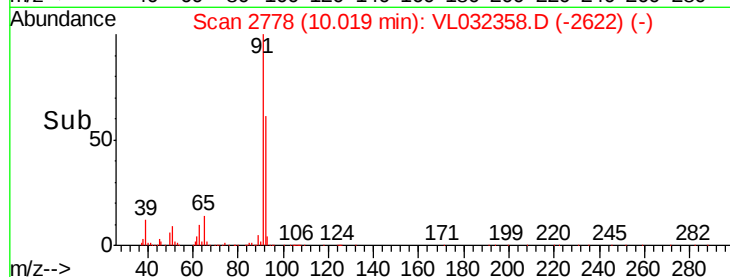
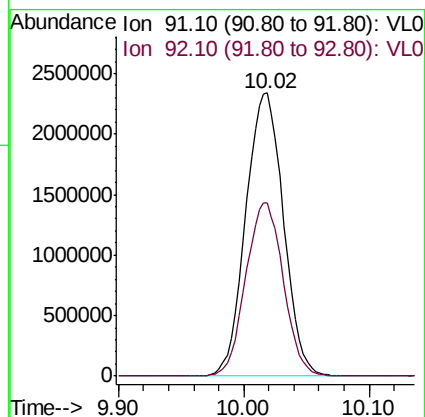
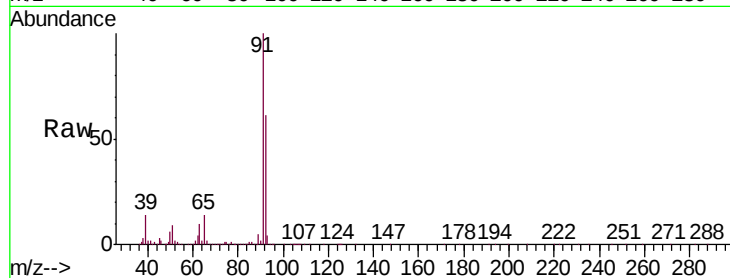
VL0815ABS02

Tgt Ion: 91 Resp: 4881269

Ion Ratio Lower Upper

91 100

92 61.0 48.7 73.1



#54

1,2-Dibromoethane

Concen: 9.741 ppbv

RT: 10.83 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VL032358.D

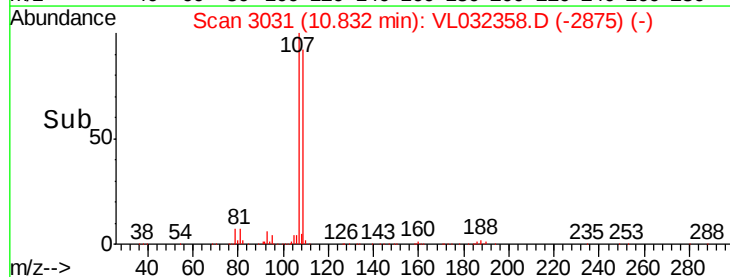
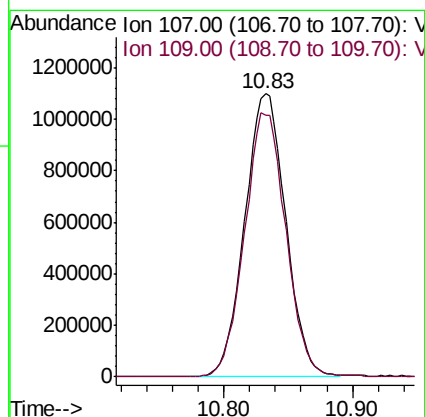
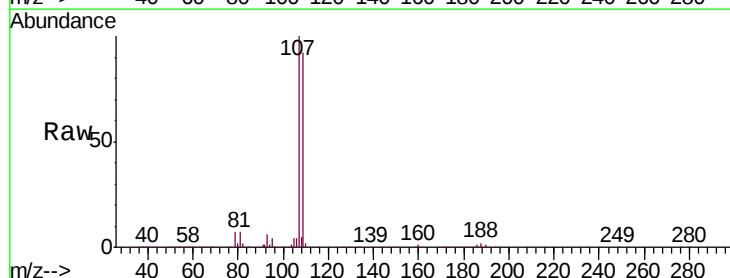
Acq: 15 Aug 2018 19:09

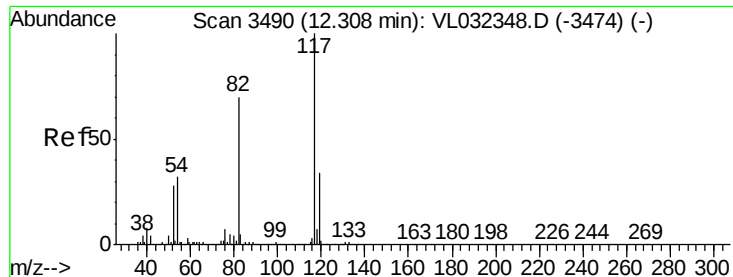
Tgt Ion: 107 Resp: 2430005

Ion Ratio Lower Upper

107 100

109 92.4 74.9 112.3

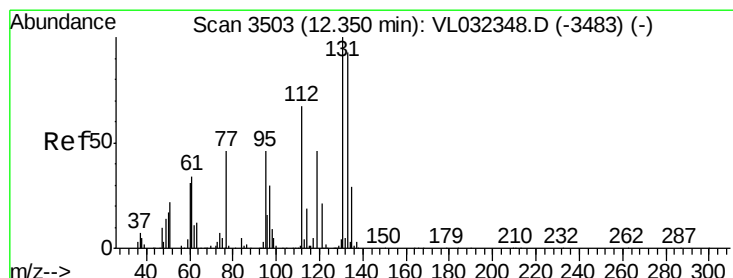
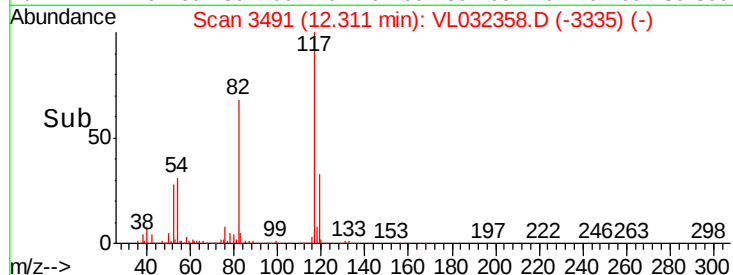
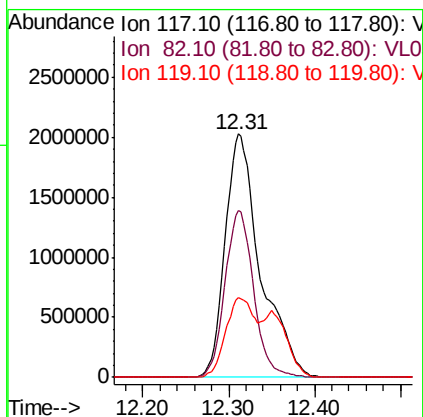
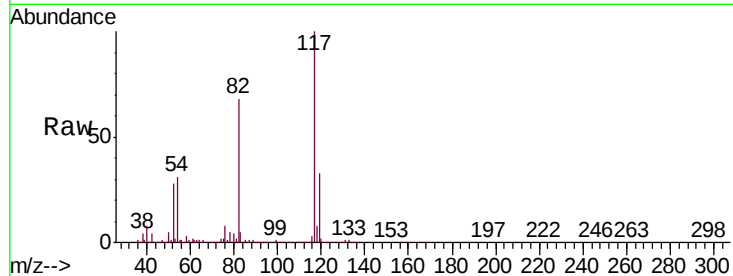




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.31 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VL032358.D
Acq: 15 Aug 2018 19:09

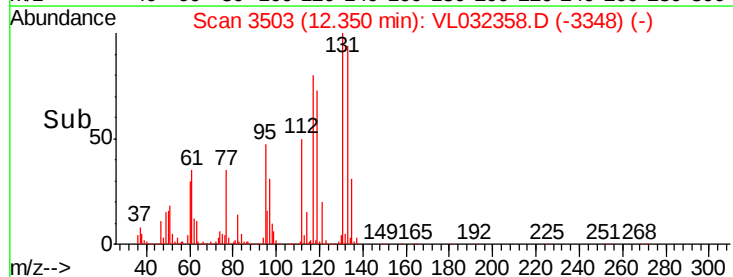
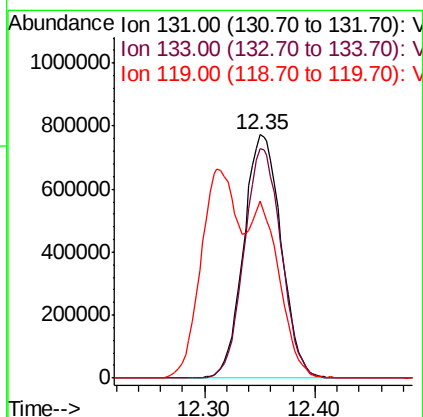
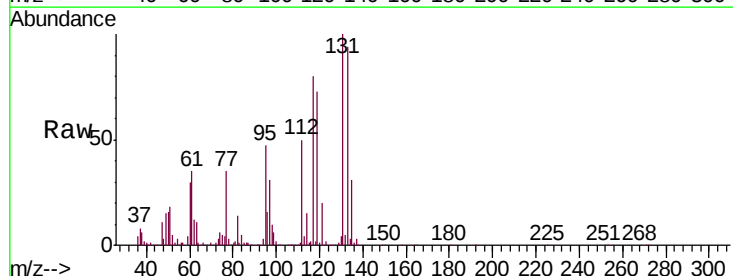
Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS02

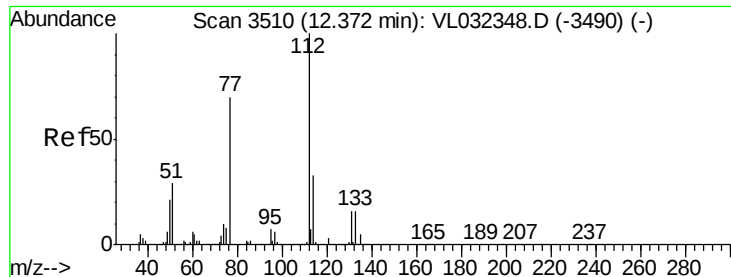
Tgt Ion:117 Resp: 5791534
Ion Ratio Lower Upper
117 100
82 55.6 55.1 82.7
119 46.0 46.0 69.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.597 ppbv
RT: 12.35 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VL032358.D
Acq: 15 Aug 2018 19:09

Tgt Ion:131 Resp: 1820145
Ion Ratio Lower Upper
131 100
133 93.8 75.7 113.5
119 146.1 116.0 174.0





#57

Chlorobenzene

Concen: 7.599 ppbv

RT: 12.38 min Scan# 3511

Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS02

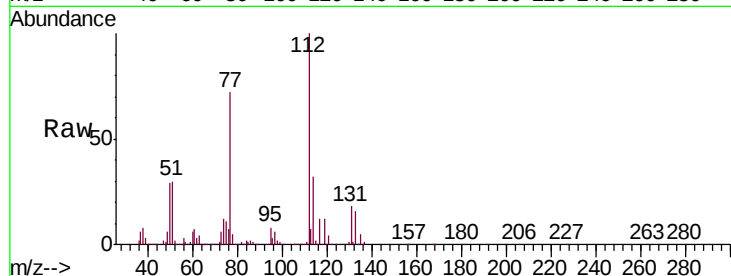
Tgt Ion: 112 Resp: 3313102

Ion Ratio Lower Upper

112 100

77 71.7 56.6 84.8

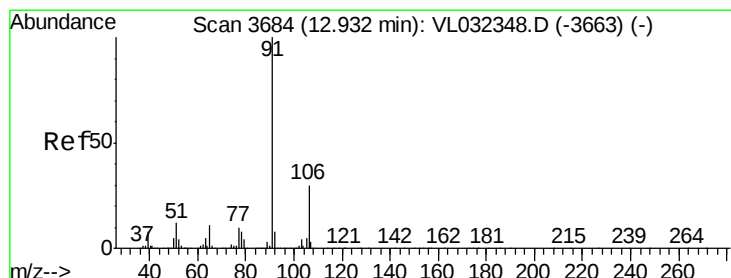
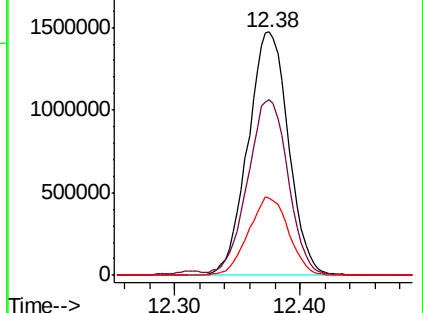
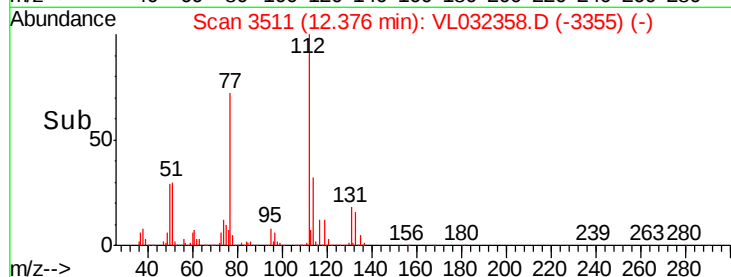
114 31.7 29.4 36.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.735 ppbv

RT: 12.94 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VL032358.D

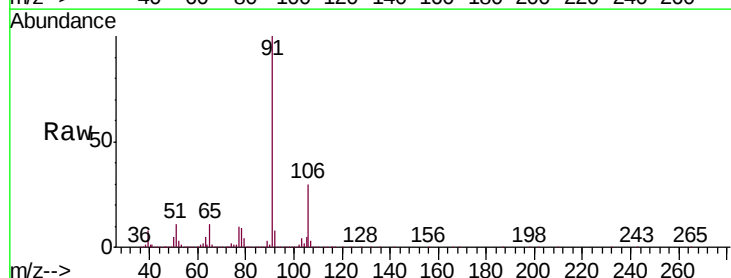
Acq: 15 Aug 2018 19:09

Tgt Ion: 91 Resp: 6086617

Ion Ratio Lower Upper

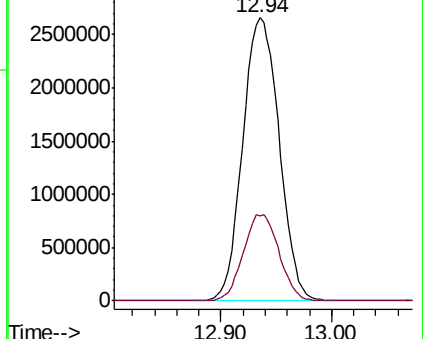
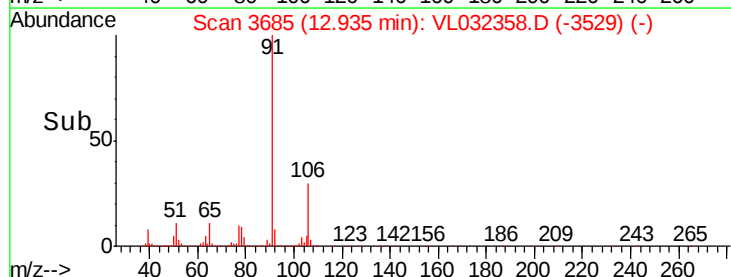
91 100

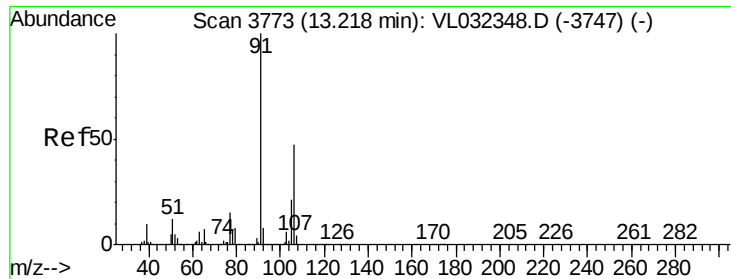
106 30.0 24.3 36.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.949 ppbv

RT: 13.22 min Scan# 3774

Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

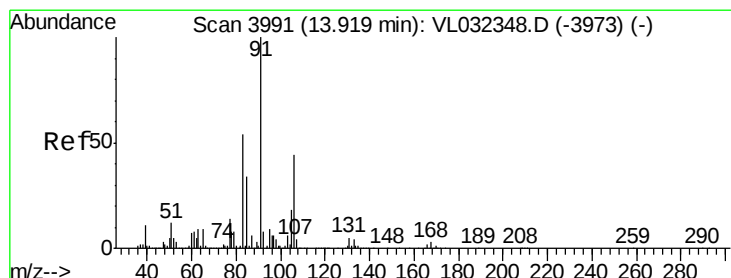
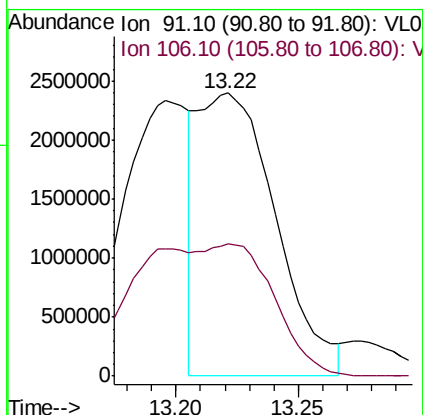
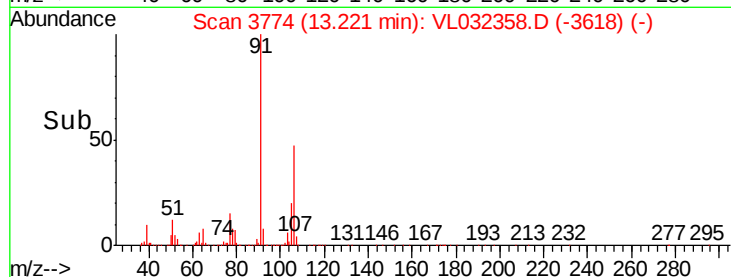
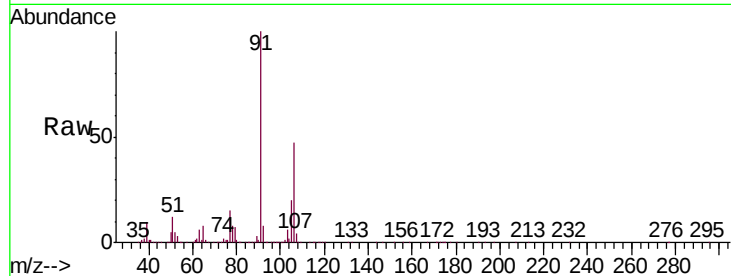
VL0815ABS02

Tgt Ion: 91 Resp: 5296848

Ion Ratio Lower Upper

91 100

106 84.7 37.0 55.4#



#60

o-Xylene

Concen: 8.219 ppbv

RT: 13.92 min Scan# 3992

Delta R.T. 0.00 min

Lab File: VL032358.D

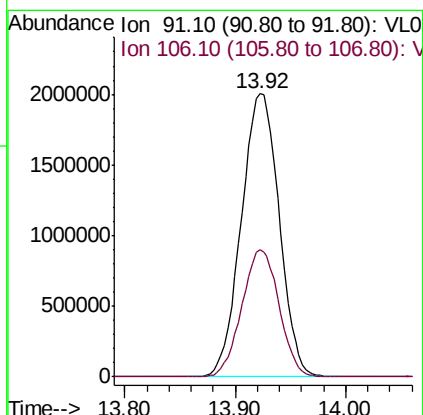
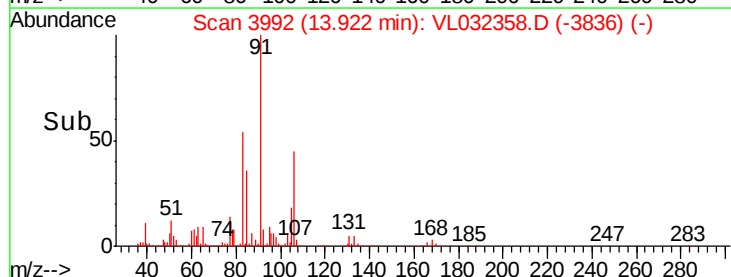
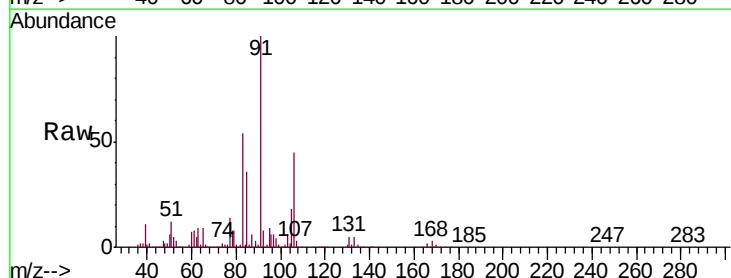
Acq: 15 Aug 2018 19:09

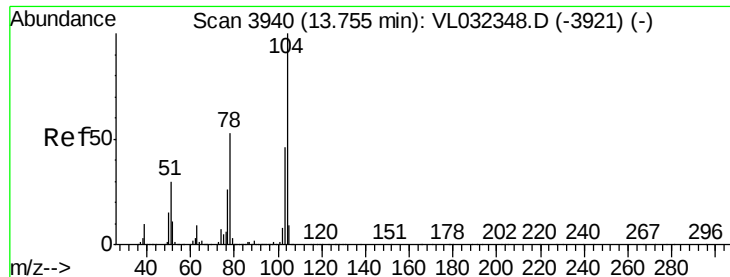
Tgt Ion: 91 Resp: 4781655

Ion Ratio Lower Upper

91 100

106 44.1 22.3 66.8





#61

Styrene

Concen: 9.229 ppbv

RT: 13.76 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS02

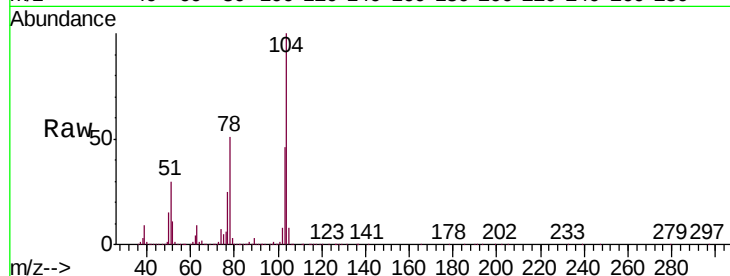
Tgt Ion:104 Resp: 3752514

Ion Ratio Lower Upper

104 100

78 52.6 42.6 64.0

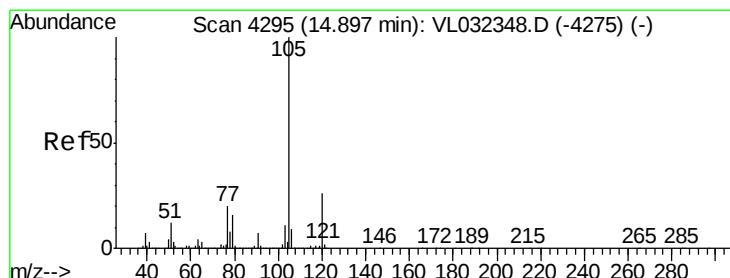
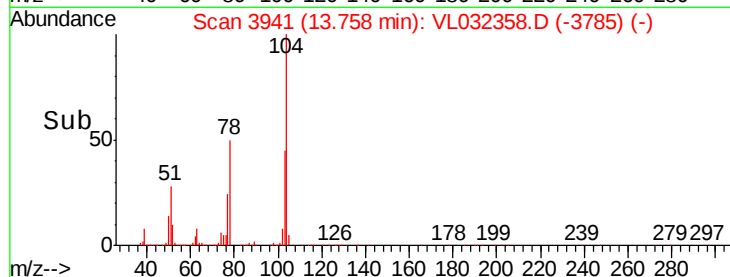
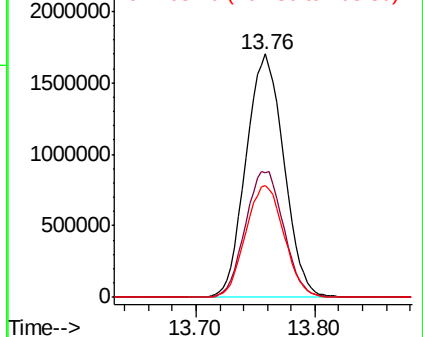
103 46.9 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.110 ppbv

RT: 14.90 min Scan# 4296

Delta R.T. 0.00 min

Lab File: VL032358.D

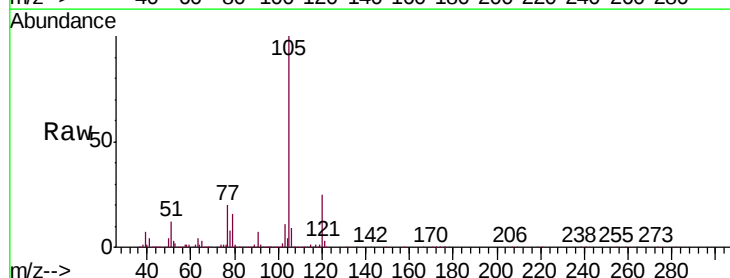
Acq: 15 Aug 2018 19:09

Tgt Ion:105 Resp: 6715933

Ion Ratio Lower Upper

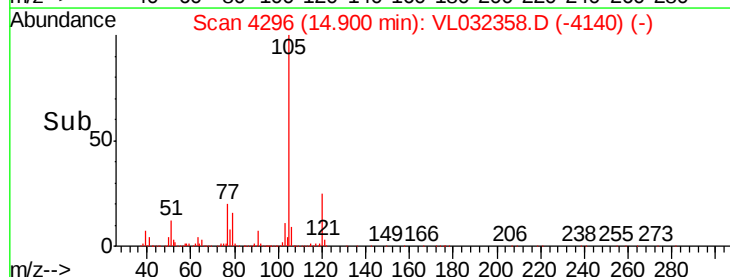
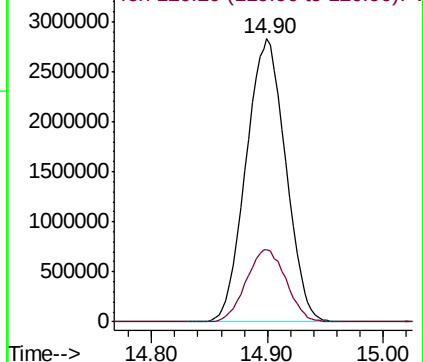
105 100

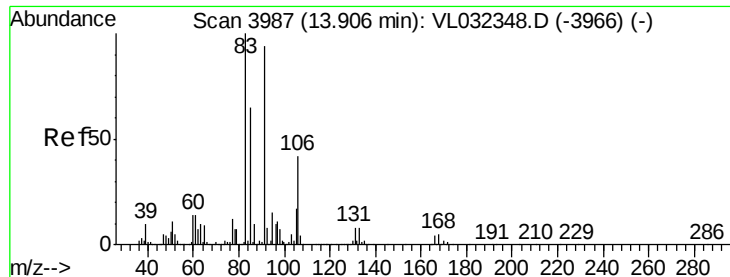
120 25.7 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.359 ppbv

RT: 13.91 min Scan# 3988

Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS02

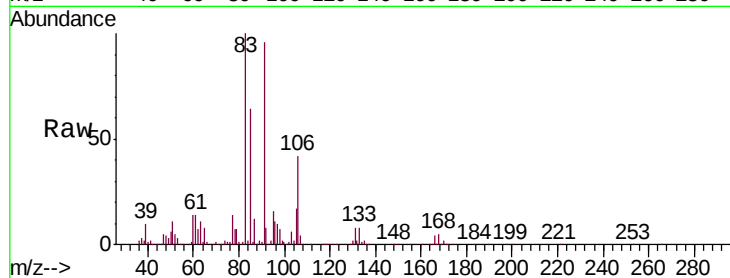
Tgt Ion: 83 Resp: 3600080

Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.3	12.8
85	64.5	32.4	97.2

83 100

131 8.4 4.3 12.8

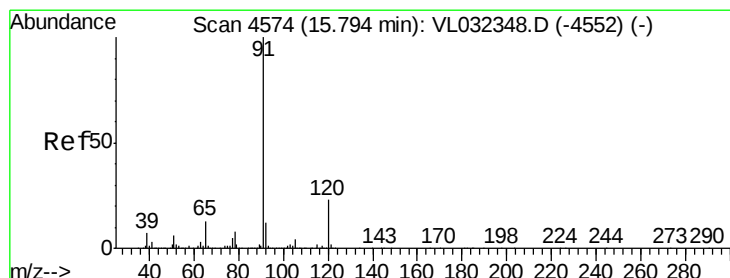
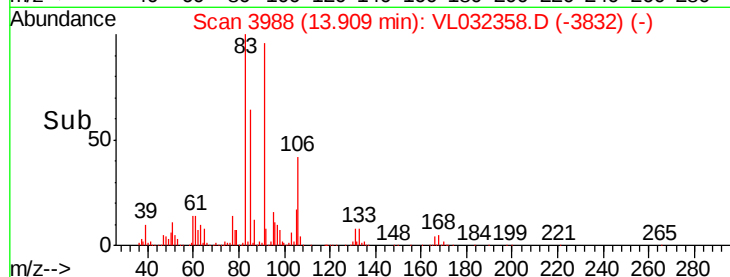
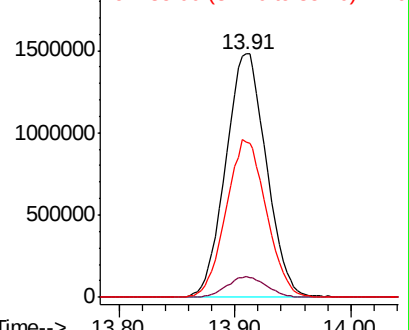
85 64.5 32.4 97.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

2000000 Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.242 ppbv

RT: 15.80 min Scan# 4575

Delta R.T. 0.00 min

Lab File: VL032358.D

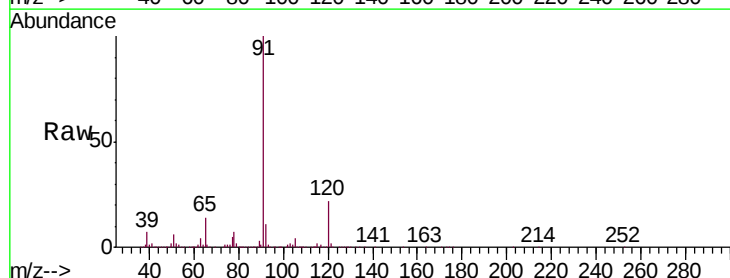
Acq: 15 Aug 2018 19:09

Tgt Ion: 120 Resp: 1766624

Ion	Ratio	Lower	Upper
120	100		
91	477.2	382.2	573.2

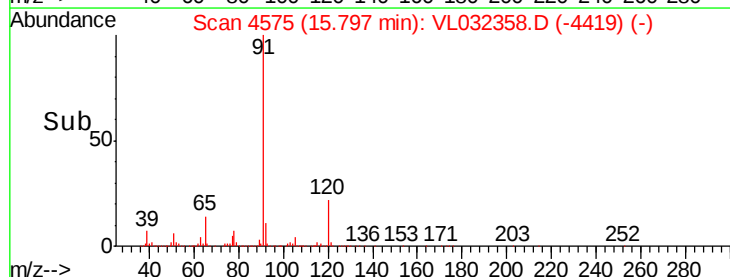
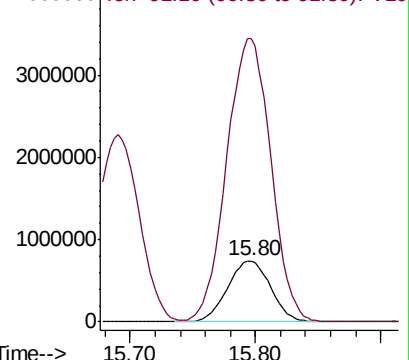
120 100

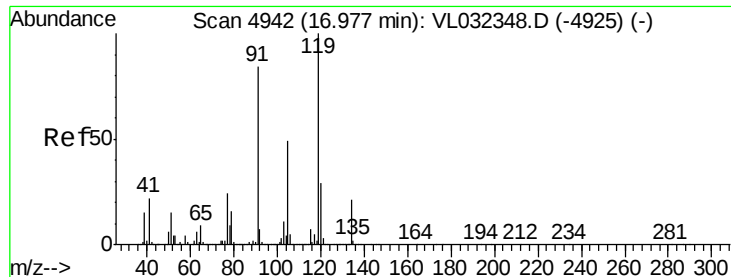
91 477.2 382.2 573.2



Abundance Ion 120.20 (119.90 to 120.90): V

4000000 Ion 91.10 (90.80 to 91.80): VL0

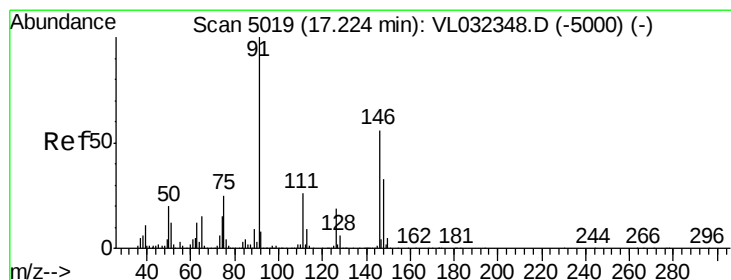
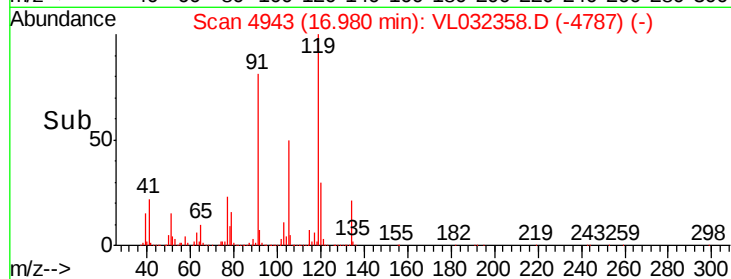
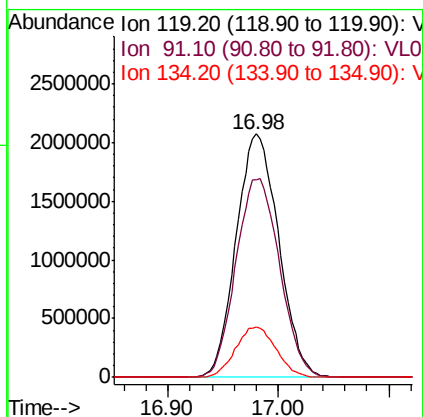
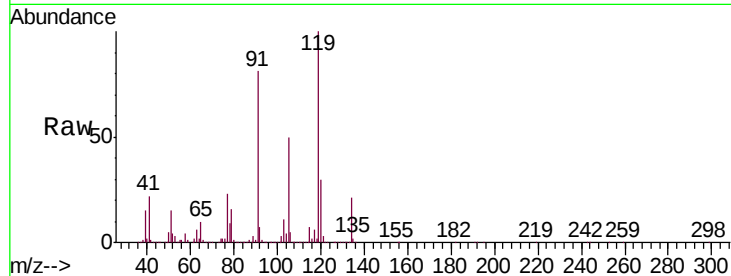




#65
 tert-Butylbenzene
 Concen: 7.819 ppbv
 RT: 16.98 min Scan# 4943
 Delta R.T. 0.00 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

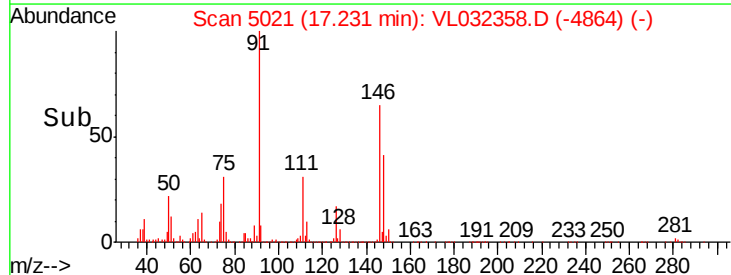
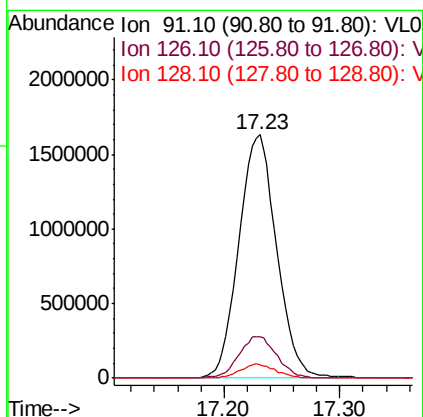
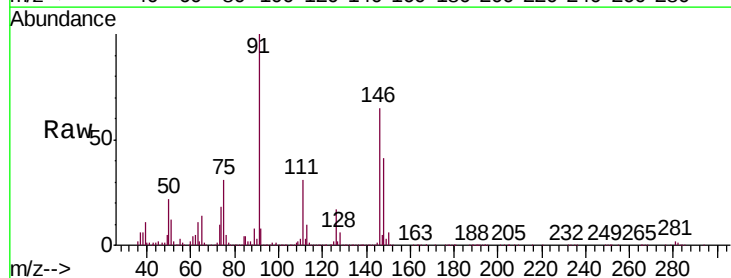
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS02

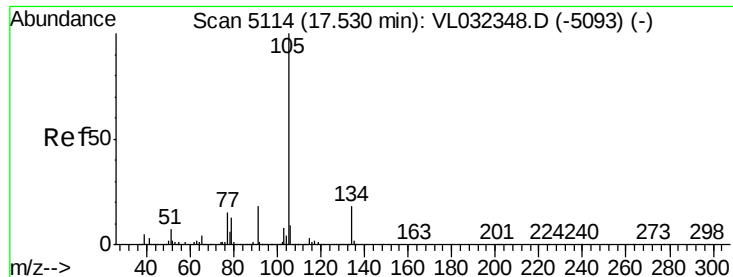
Tgt Ion: 119 Resp: 5531612
 Ion Ratio Lower Upper
 119 100
 91 84.0 67.4 101.0
 134 19.8 15.8 23.6



#66
 Benzyl Chloride
 Concen: 8.796 ppbv
 RT: 17.23 min Scan# 5021
 Delta R.T. 0.01 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

Tgt Ion: 91 Resp: 3684316
 Ion Ratio Lower Upper
 91 100
 126 17.3 14.2 21.4
 128 5.5 4.5 6.7

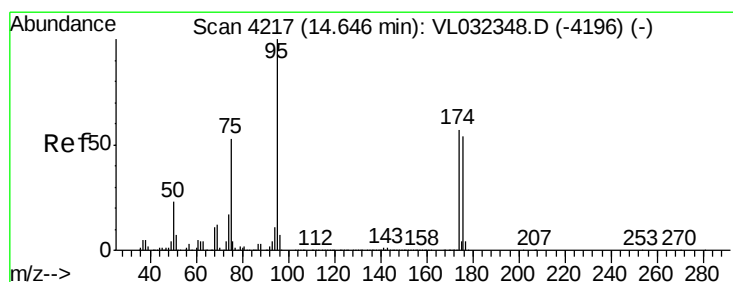
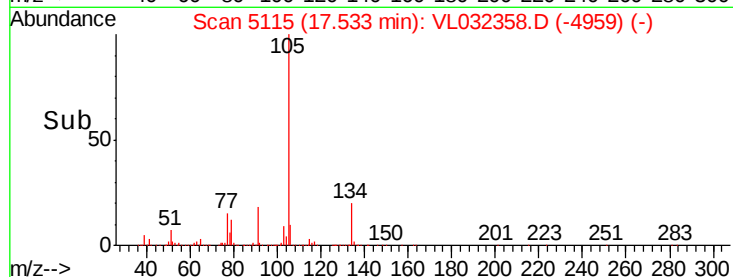
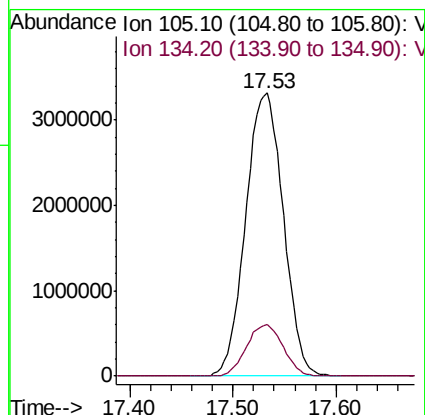
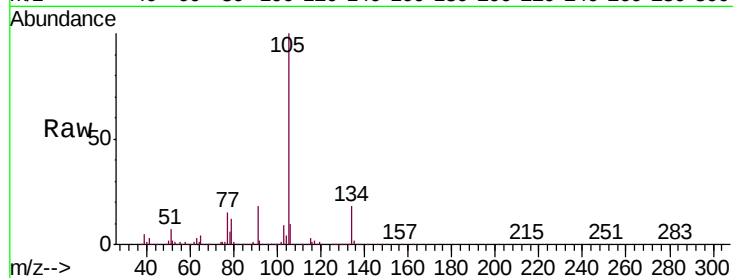




#67
 sec-Butylbenzene
 Concen: 7.979 ppbv
 RT: 17.53 min Scan# 5115
 Delta R.T. 0.00 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

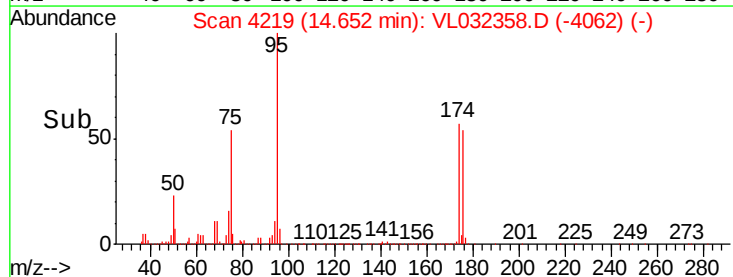
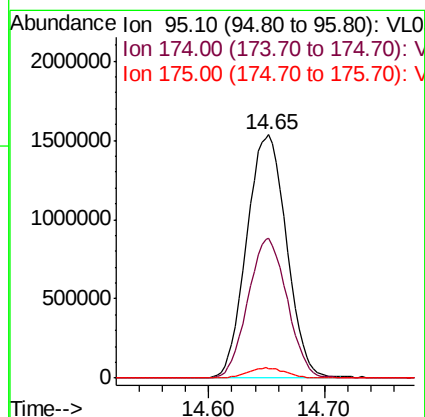
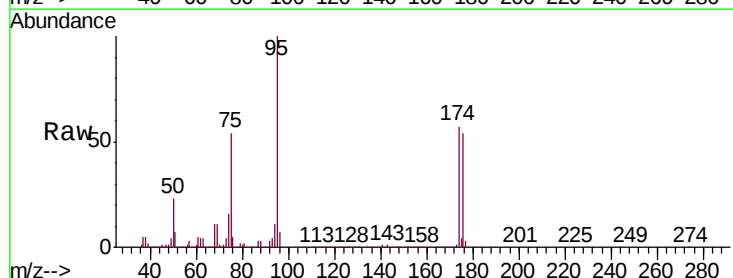
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS02

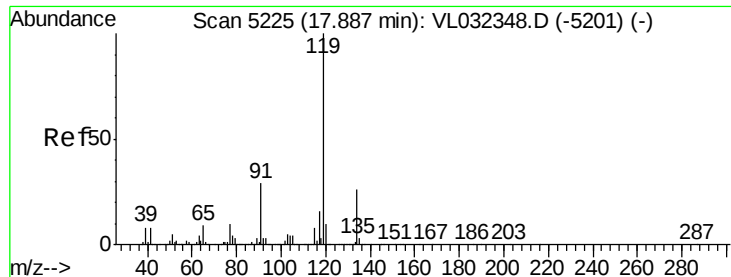
Tgt Ion: 105 Resp: 8392922
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.311 ppbv
 RT: 14.65 min Scan# 4219
 Delta R.T. 0.01 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

Tgt Ion: 95 Resp: 3672072
 Ion Ratio Lower Upper
 95 100
 174 56.7 46.2 69.4
 175 4.1 3.4 5.0

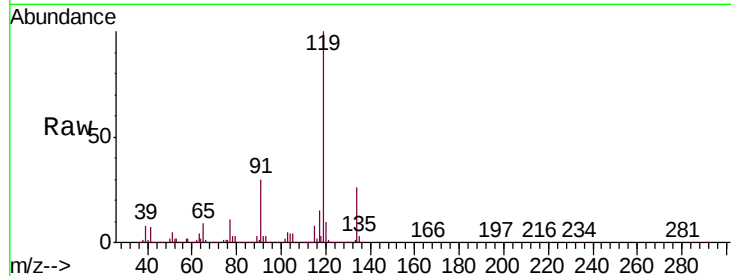




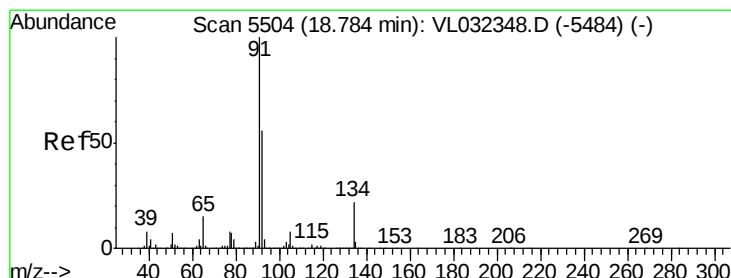
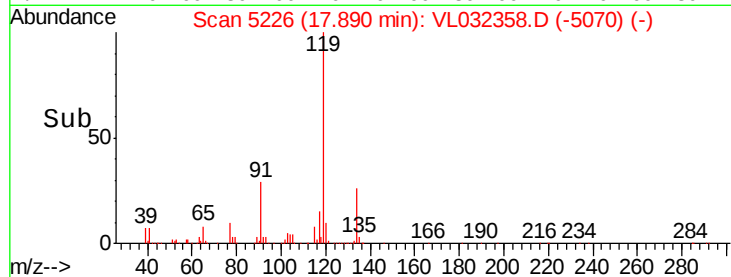
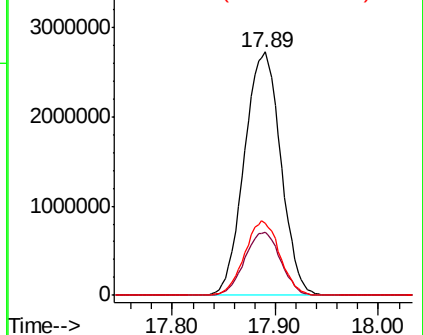
#69
p-Isopropyltoluene
Concen: 8.303 ppbv
RT: 17.89 min Scan# 5226
Delta R.T. 0.00 min
Lab File: VL032358.D
Acq: 15 Aug 2018 19:09

Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS02

Tgt Ion: 119 Resp: 6685201
Ion Ratio Lower Upper
119 100
134 25.6 20.4 30.6
91 29.5 23.6 35.4

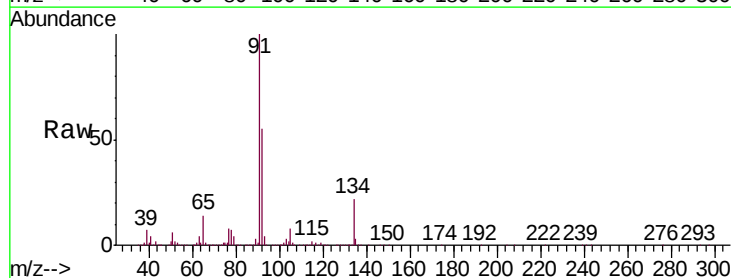


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): VL0

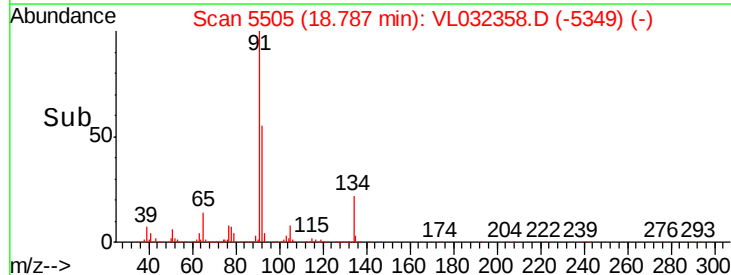
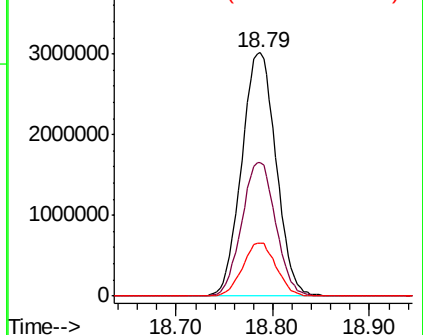


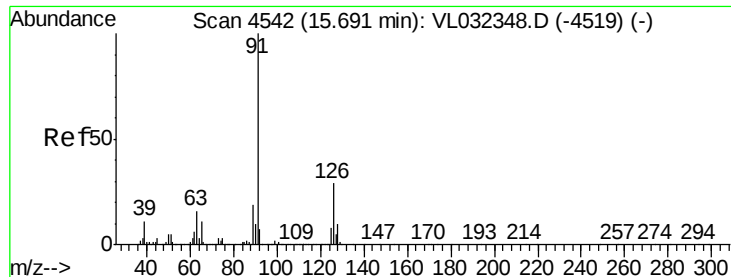
#70
n-Butylbenzene
Concen: 8.416 ppbv
RT: 18.79 min Scan# 5505
Delta R.T. 0.00 min
Lab File: VL032358.D
Acq: 15 Aug 2018 19:09

Tgt Ion: 91 Resp: 7429229
Ion Ratio Lower Upper
91 100
92 54.4 43.9 65.9
134 21.3 17.3 25.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.413 ppbv

RT: 15.69 min Scan# 4542

Delta R.T. -0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

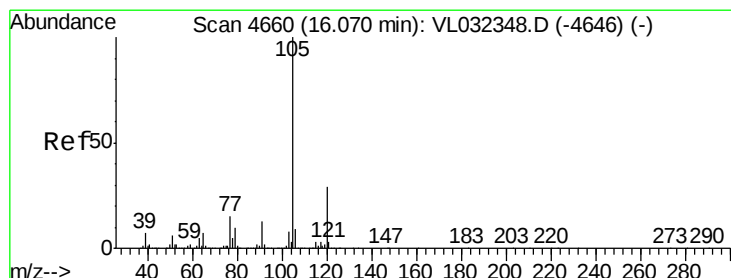
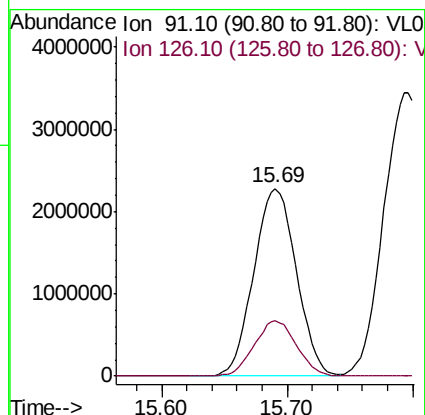
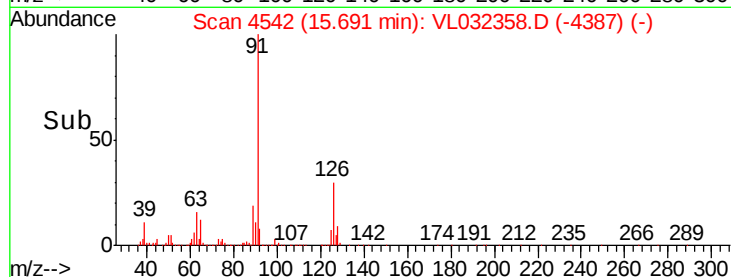
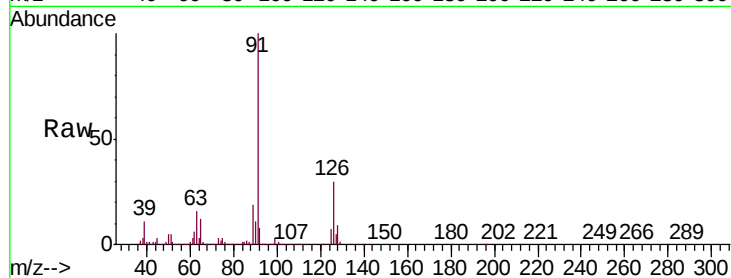
VL0815ABS02

Tgt Ion: 91 Resp: 5392066

Ion Ratio Lower Upper

91 100

126 29.3 11.8 47.2



#72

4-Ethyltoluene

Concen: 8.581 ppbv

RT: 16.07 min Scan# 4661

Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Tgt Ion: 105 Resp: 5568181

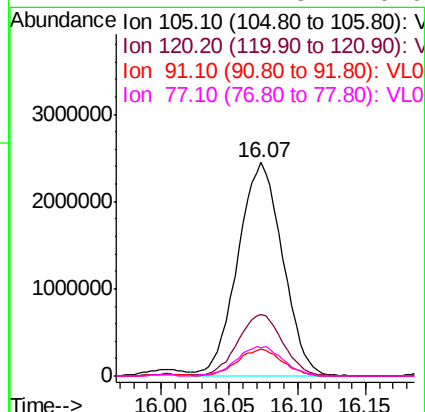
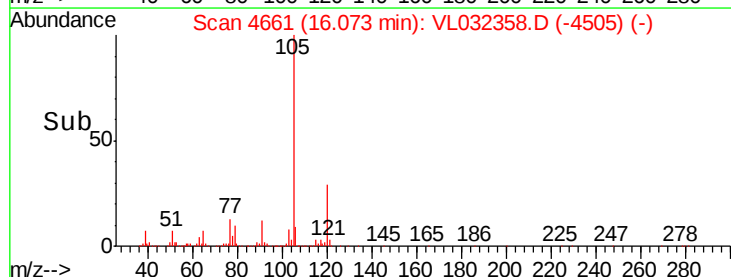
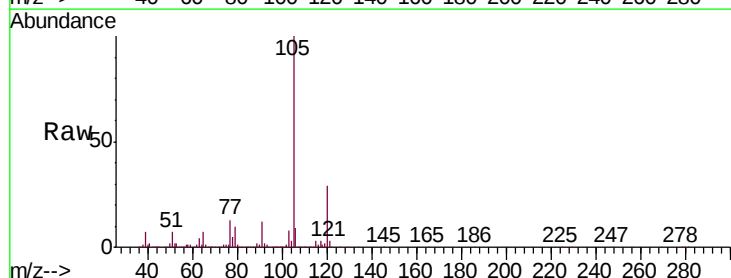
Ion Ratio Lower Upper

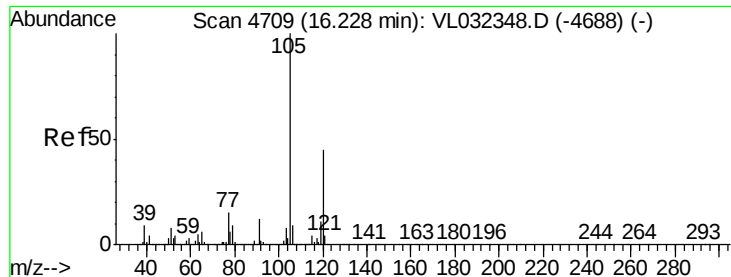
105 100

120 29.2 23.4 35.0

91 12.5 10.0 15.0

77 14.2 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 8.606 ppbv

RT: 16.23 min Scan# 4710

Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

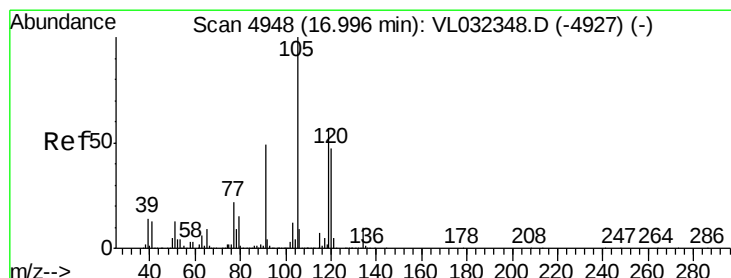
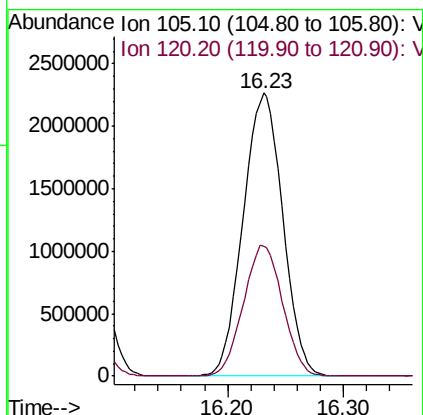
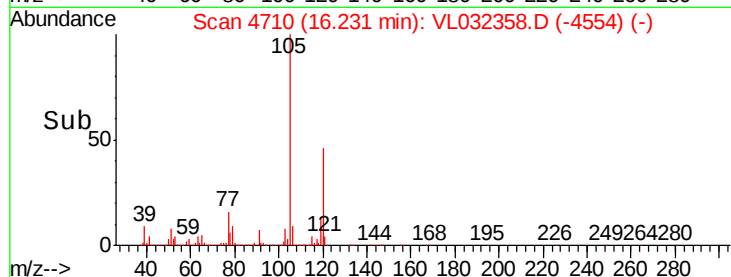
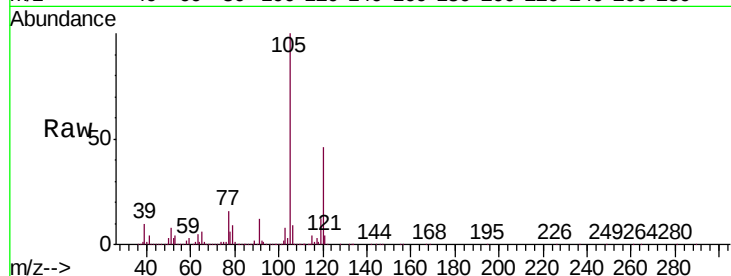
VL0815ABS02

Tgt Ion:105 Resp: 5371209

Ion Ratio Lower Upper

105 100

120 45.9 36.3 54.5



#74

1,2,4-Trimethylbenzene

Concen: 7.824 ppbv

RT: 17.00 min Scan# 4949

Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Tgt Ion:105 Resp: 5196260

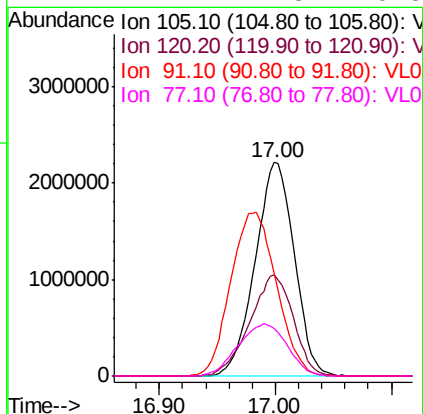
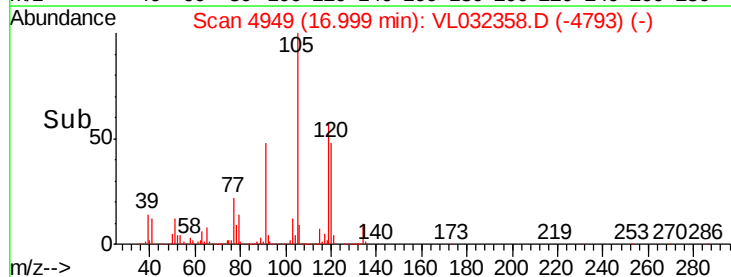
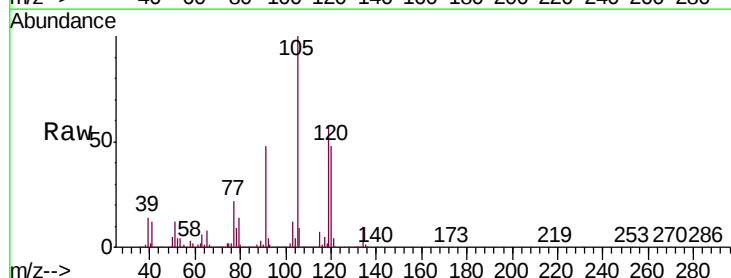
Ion Ratio Lower Upper

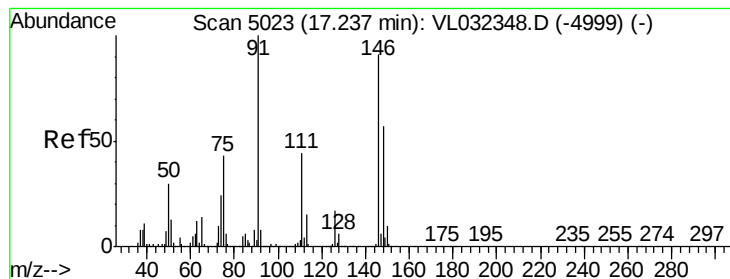
105 100

120 47.6 37.6 56.4

91 47.8 39.9 59.9

77 22.1 17.8 26.8





#75

1,3-Dichlorobenzene

Concen: 7.426 ppbv

RT: 17.24 min Scan# 5024

Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS02

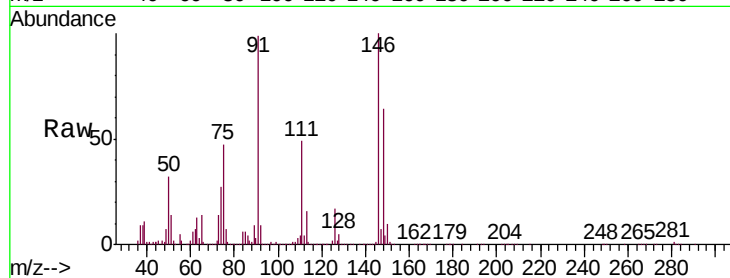
Tgt Ion:146 Resp: 2963829

Ion Ratio Lower Upper

146 100

111 48.9 24.6 73.8

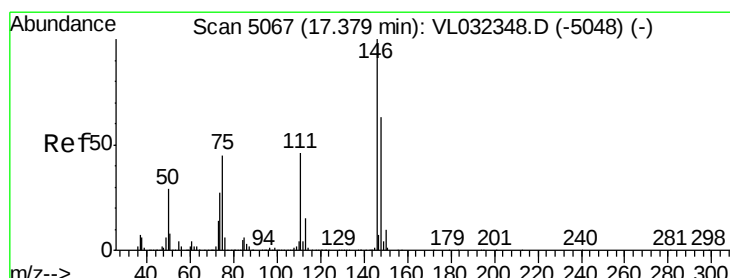
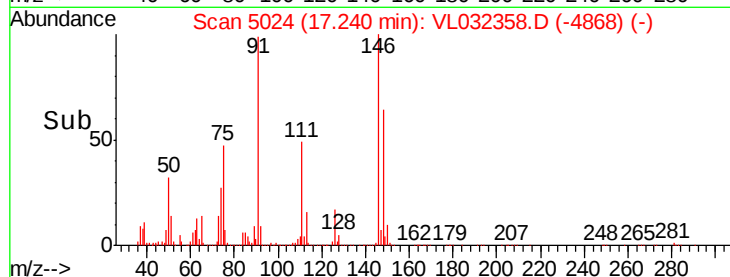
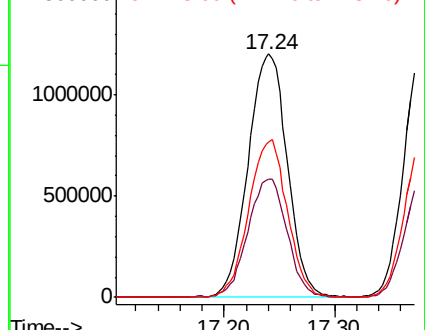
148 63.9 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.991 ppbv

RT: 17.38 min Scan# 5068

Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

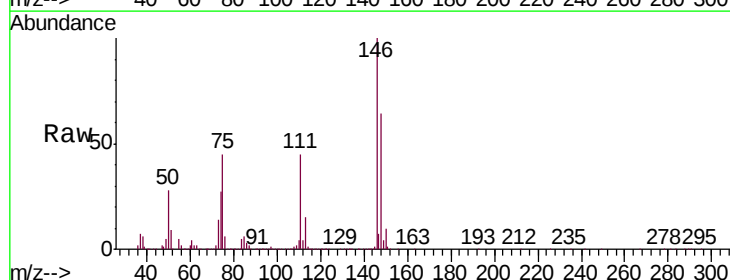
Tgt Ion:146 Resp: 3020814

Ion Ratio Lower Upper

146 100

111 46.7 23.8 71.4

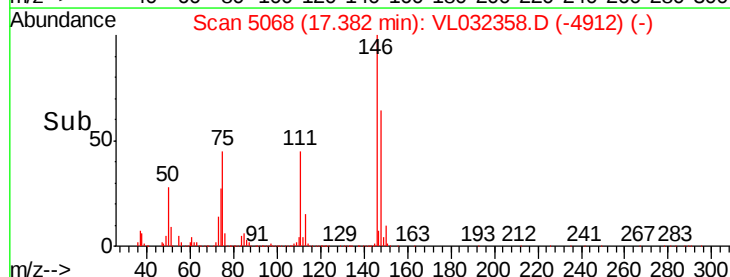
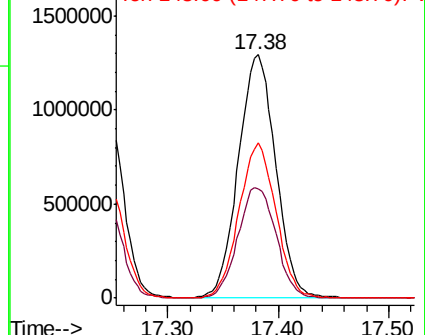
148 63.5 32.2 96.6

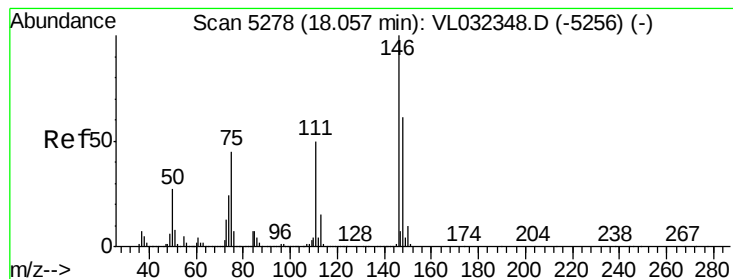


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.855 ppbv

RT: 18.06 min Scan# 5279

Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

Instrument :

MSVOA_L

ClientSampleId :

VL0815ABS02

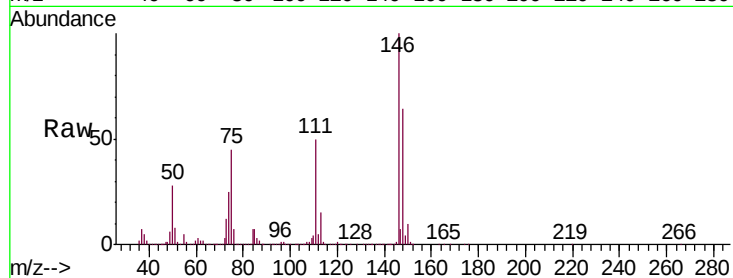
Tgt Ion:146 Resp: 2995379

Ion Ratio Lower Upper

146 100

111 50.1 25.2 75.6

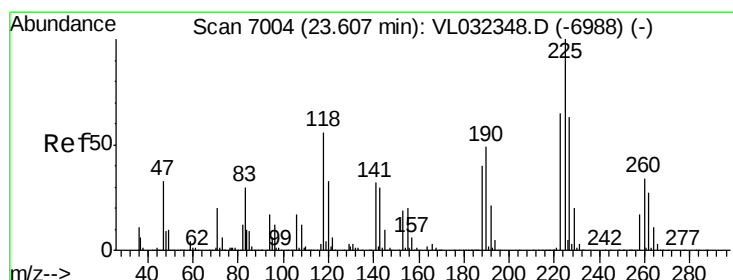
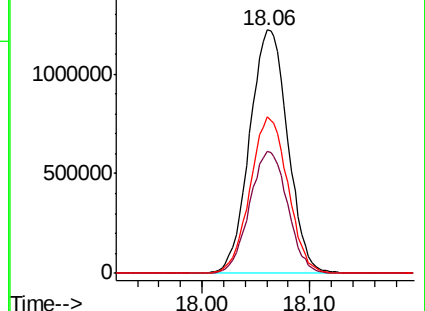
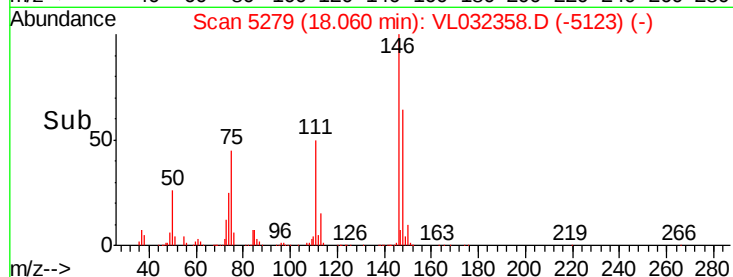
148 63.8 31.8 95.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.907 ppbv

RT: 23.61 min Scan# 7005

Delta R.T. 0.00 min

Lab File: VL032358.D

Acq: 15 Aug 2018 19:09

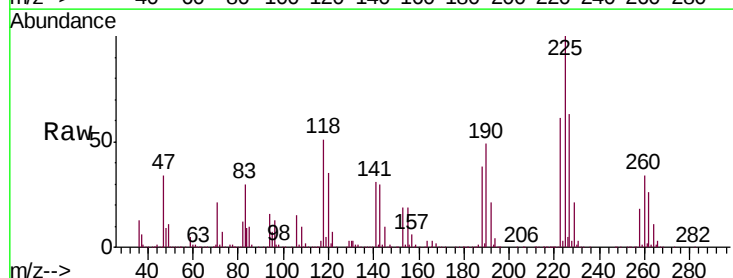
Tgt Ion:225 Resp: 884098

Ion Ratio Lower Upper

225 100

223 62.4 50.6 76.0

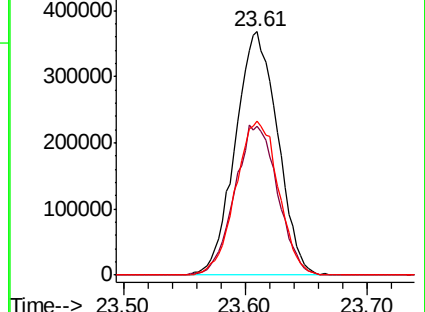
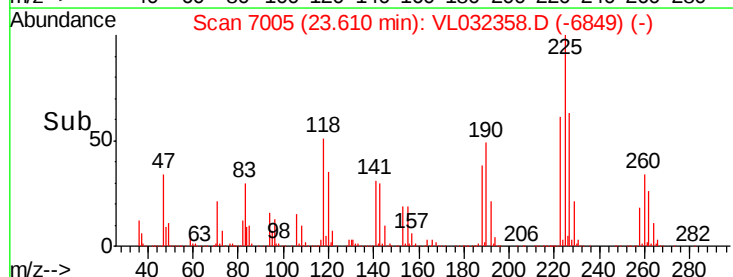
227 64.0 51.0 76.6

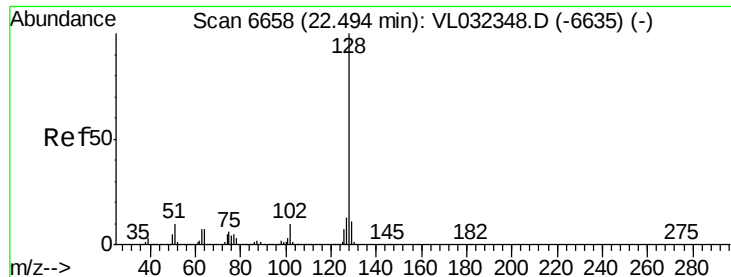


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

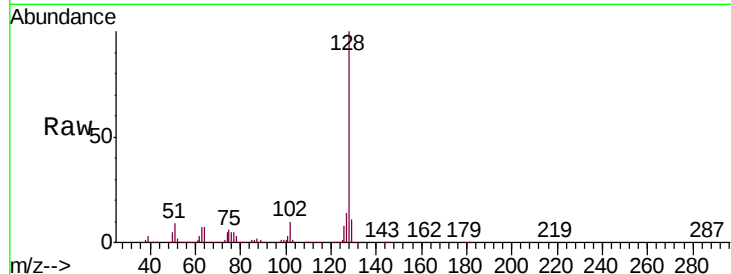




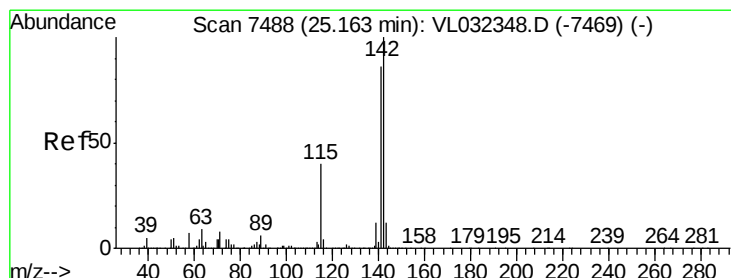
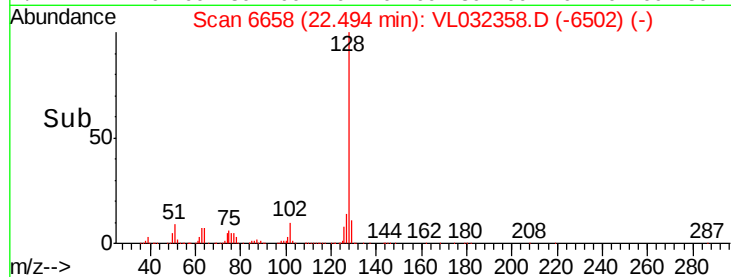
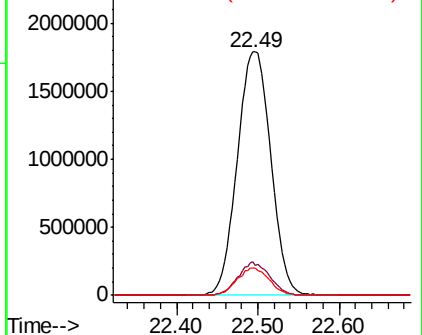
#79
Naphthalene
Concen: 8.242 ppbv
RT: 22.49 min Scan# 6658
Delta R.T. 0.00 min
Lab File: VL032358.D
Acq: 15 Aug 2018 19:09

Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS02

Tgt Ion:128 Resp: 5082497
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 11.0 8.6 13.0

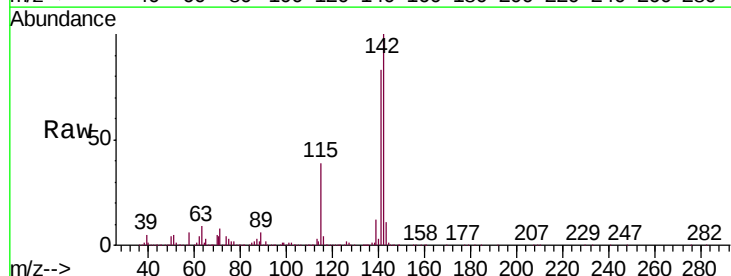


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

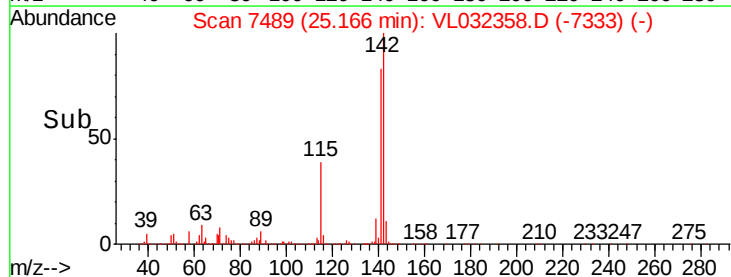
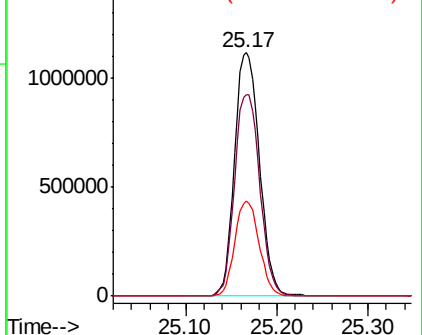


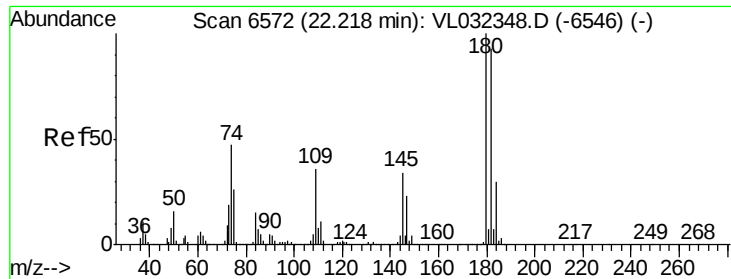
#80
Naphthalene, 2-methyl-
Concen: 16.129 ppbv
RT: 25.17 min Scan# 7489
Delta R.T. 0.00 min
Lab File: VL032358.D
Acq: 15 Aug 2018 19:09

Tgt Ion:142 Resp: 2137072
Ion Ratio Lower Upper
142 100
141 84.1 66.7 100.1
115 38.4 31.0 46.6



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.242 ppbv
 RT: 22.22 min Scan# 6573
 Delta R.T. 0.00 min
 Lab File: VL032358.D
 Acq: 15 Aug 2018 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS02

Tgt Ion:180 Resp: 2373422
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.1 114.1
 184 30.6 24.2 36.2

