

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033310.D
 Acq On : 14 Mar 2019 10:54
 Operator : SY/AP
 Sample : VL0313ABS02
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

Quant Time: Mar 15 02:04:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 14 00:01:31 2019
 QLast Update : Thu Mar 14 00:01:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	729006	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1972856	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2518739	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1537693	7.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1466139	10.869	ppbv	99
3) Chlorodifluoromethane	3.01	51	883894	9.295	ppbv	100
4) Chloromethane	3.17	50	472595	9.180	ppbv	99
5) Vinyl Chloride	3.29	62	464422	9.012	ppbv	99
6) Bromomethane	3.52	94	304330	9.808	ppbv	96
7) Chloroethane	3.60	64	180334	9.773	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1152740	9.358	ppbv	97
9) Propene	3.04	41	402231	9.373	ppbv	100
10) Heptane	8.25	43	1187636	11.320	ppbv	99
11) Trichlorofluoromethane	4.01	101	1295301	9.557	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	889421	9.734	ppbv	99
13) Ethanol	3.65	45	93976	7.154	ppbv	99
14) Bromoethene	3.79	108	381361	10.041	ppbv	99
15) Acetone	3.90	43	822837	8.209	ppbv	99
16) 1,3-Butadiene	3.36	39	367042	8.943	ppbv	84
17) tert-Butyl alcohol	4.36	59	159534	9.125	ppbv	97
18) 1,1-Dichloroethene	4.35	96	386531	9.578	ppbv	97
19) Isopropyl Alcohol	4.02	45	556466	9.075	ppbv	100
20) Methylene Chloride	4.41	84	336137	8.283	ppbv	96
21) Allyl Chloride	4.48	41	608216	10.050	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	404474	9.935	ppbv	98
23) Vinyl Acetate	5.16	43	1455370	10.001	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1010229	9.596	ppbv	99
25) Ethyl Acetate	5.77	43	1723822	9.441	ppbv	100
26) Hexane	5.78	57	761422	8.925	ppbv	98
27) Carbon Disulfide	4.62	76	994736	10.902	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1207475	9.845	ppbv	99
29) Chloroform	5.85	83	1279328	9.646	ppbv	99
30) Cyclohexane	7.25	84	744387	11.239	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	808227	9.838	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1373530	10.672	ppbv	100
34) 2-Butanone	5.33	43	1136770	8.334	ppbv	100
35) Carbon Tetrachloride	7.14	117	1504090	9.918	ppbv	100
36) Benzene	7.01	78	1878901	9.697	ppbv	99
37) 1,2-Dichloroethane	6.42	62	992837	8.578	ppbv	99
38) Trichloroethene	7.97	130	703118	9.178	ppbv	97
39) 1,2-Dichloropropane	7.74	63	704763	9.472	ppbv	99
40) 1,4-Dioxane	7.96	88	250393	9.313	ppbv	74
41) Tetrahydrofuran	6.15	42	664463	8.781	ppbv	100
42) Bromodichloromethane	7.92	83	1610402	9.925	ppbv	98
43) Methyl Methacrylate	8.14	69	770096	9.983	ppbv	100

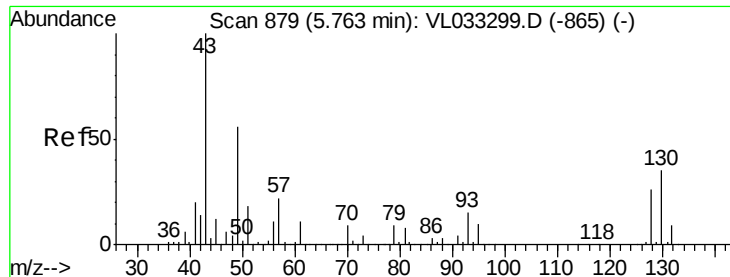
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 14 00:01:31 2019
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3097351	9.350	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1012924	11.197	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1152525	10.574	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	753254	9.458	ppbv	97
48) Dibromochloromethane	10.45	129	1348639	10.293	ppbv	99
49) Bromoform	13.20	173	1167059	10.281	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1876898	9.497	ppbv	100
51) 2-Hexanone	10.27	43	1498994	9.934	ppbv	99
52) Tetrachloroethene	11.37	164	670821	8.429	ppbv	98
53) Toluene	9.95	91	2187113	9.858	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1211019	9.525	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	937749	8.298	ppbv	98
57) Chlorobenzene	12.31	112	1578051	7.760	ppbv	98
58) Ethyl Benzene	12.87	91	2983718	8.252	ppbv	100
59) m/p-Xylene	13.15	91	2223339	7.313	ppbv #	100
60) o-Xylene	13.85	91	2416358	8.240	ppbv	99
61) Styrene	13.69	104	1791881	8.707	ppbv	99
62) Isopropylbenzene	14.83	105	3360602	8.146	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1649748	7.805	ppbv	100
64) n-propylbenzene	15.73	120	840939	8.220	ppbv	99
65) tert-Butylbenzene	16.91	119	2941803	8.437	ppbv	100
66) Benzyl Chloride	17.16	91	1488258	10.727	ppbv	99
67) sec-Butylbenzene	17.46	105	4179076	8.336	ppbv	100
69) p-Isopropyltoluene	17.82	119	3450701	8.615	ppbv	100
70) n-Butylbenzene	18.72	91	3651381	8.719	ppbv	100
71) 2-Chlorotoluene	15.62	91	2572757	8.326	ppbv	100
72) 4-Ethyltoluene	16.00	105	2725251	8.675	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2636643	8.927	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	2676597	8.880	ppbv	96
75) 1,3-Dichlorobenzene	17.17	146	1522245	8.068	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1535119	8.332	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1492965	8.128	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	857152	6.327	ppbv	100
79) Naphthalene	22.42	128	2758172	11.138	ppbv	100
80) Naphthalene,2-methyl-	25.12	142	1202926	17.344	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1365336	9.696	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

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ClientSampleId :

VL0313ABS02

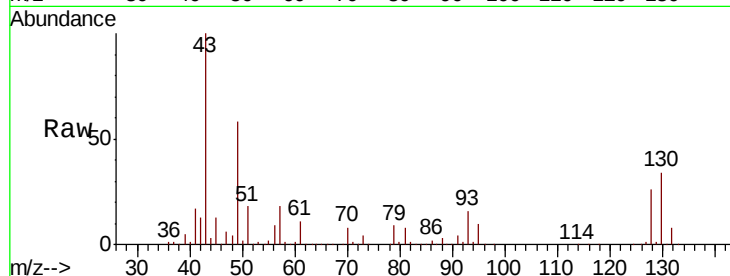
Tgt Ion: 49 Resp: 729006

Ion Ratio Lower Upper

49 100

128 47.2 23.4 70.3

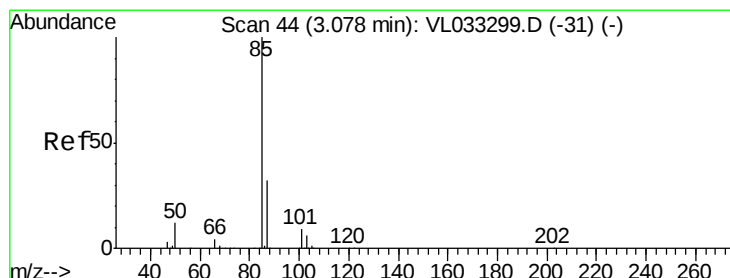
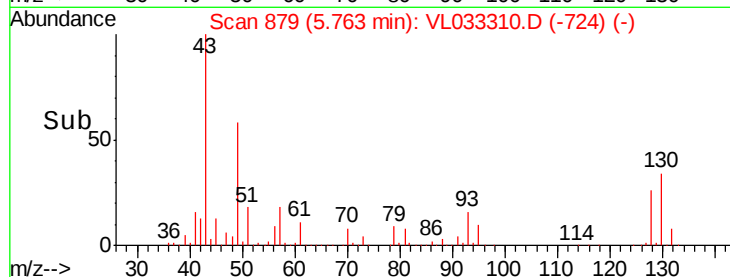
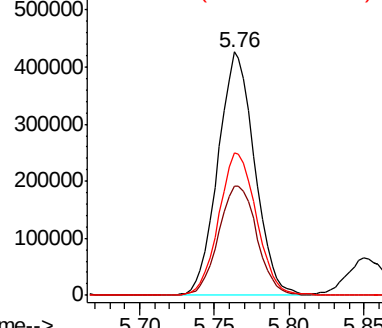
130 60.3 29.9 89.7



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: 10.869 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL033310.D

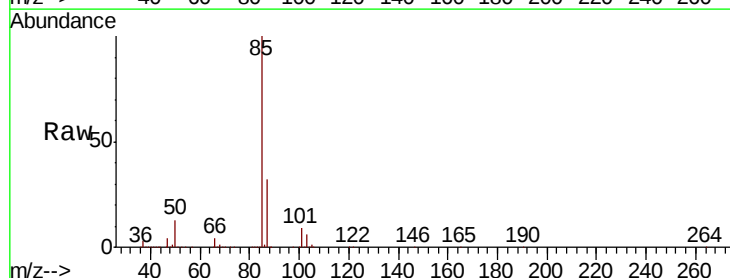
Acq: 14 Mar 2019 10:54

Tgt Ion: 85 Resp: 1466139

Ion Ratio Lower Upper

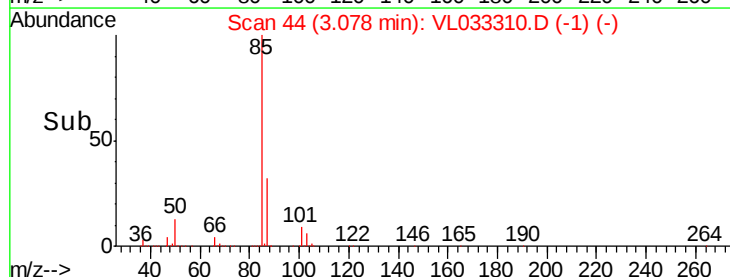
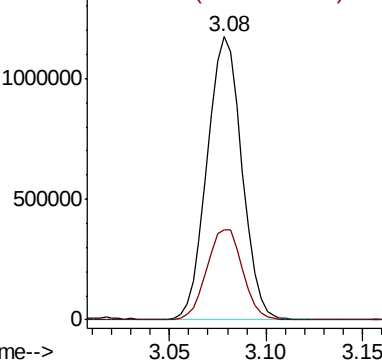
85 100

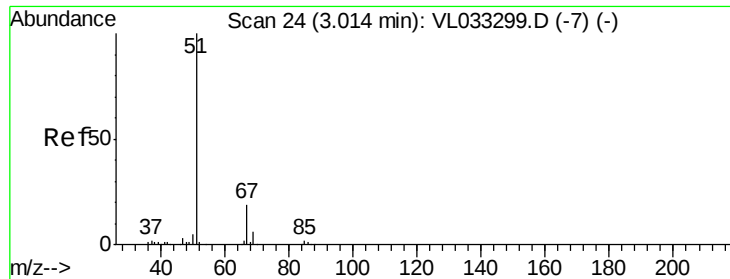
87 31.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.295 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

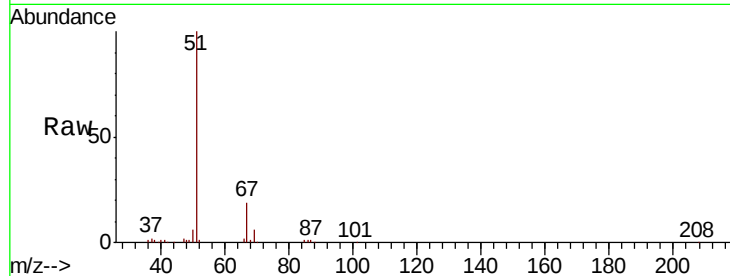
VL0313ABS02

Tgt Ion: 51 Resp: 883894

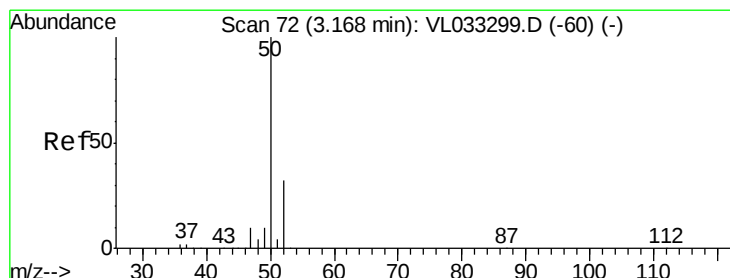
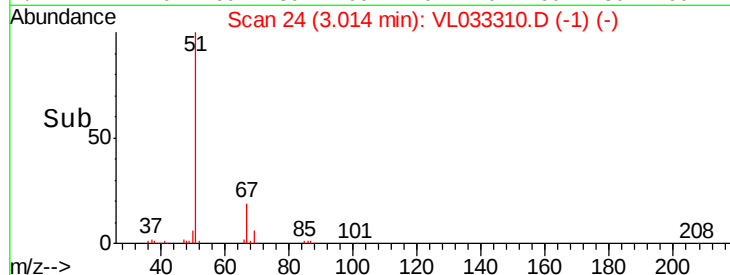
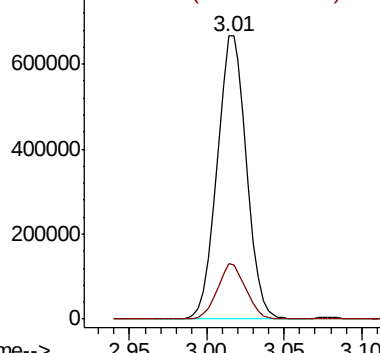
Ion Ratio Lower Upper

51 100

67 18.8 14.9 22.3



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.180 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL033310.D

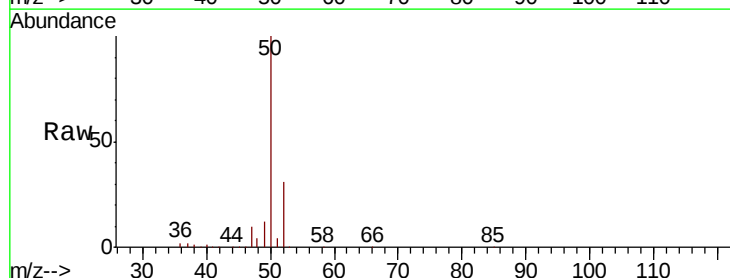
Acq: 14 Mar 2019 10:54

Tgt Ion: 50 Resp: 472595

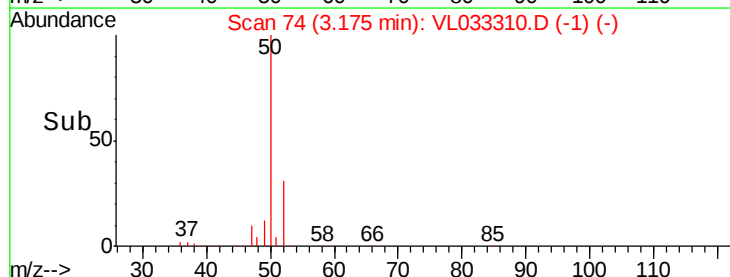
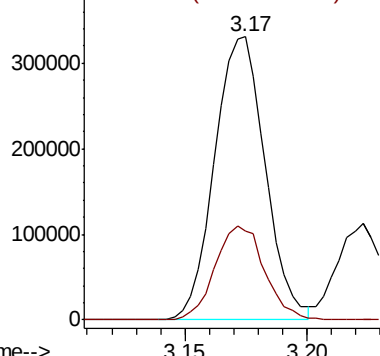
Ion Ratio Lower Upper

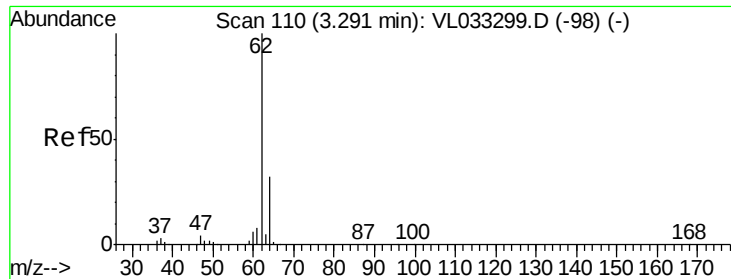
50 100

52 31.5 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.012 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

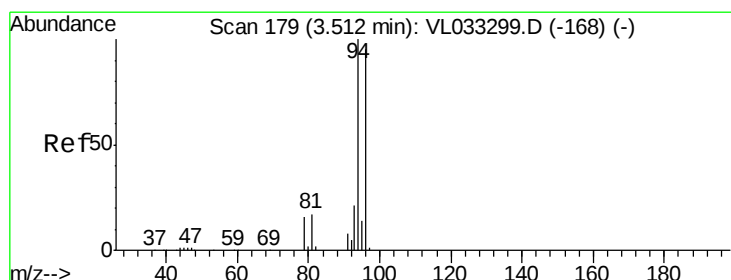
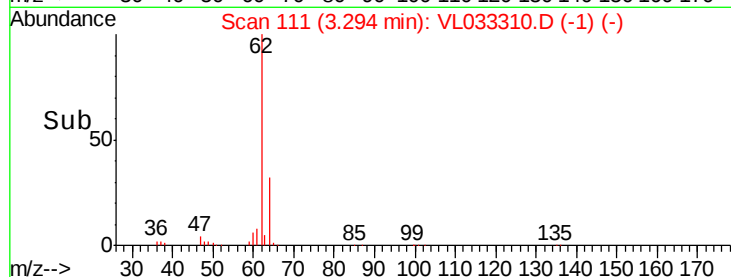
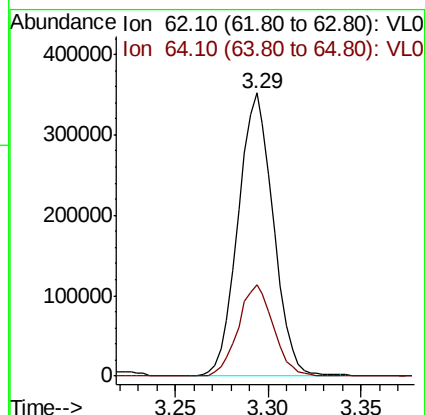
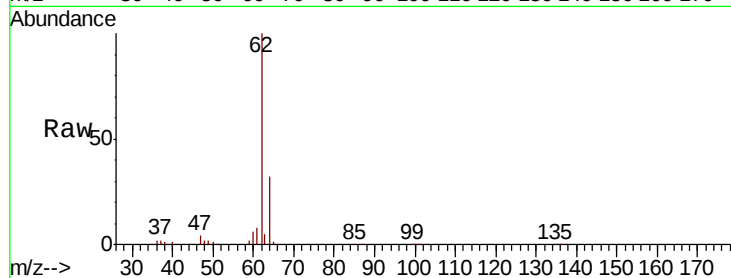
VL0313ABS02

Tgt Ion: 62 Resp: 464422

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3



#6

Bromomethane

Concen: 9.808 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033310.D

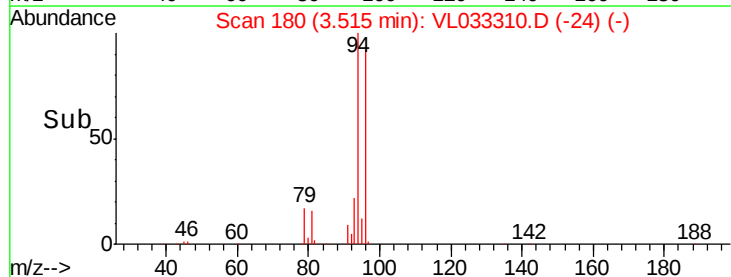
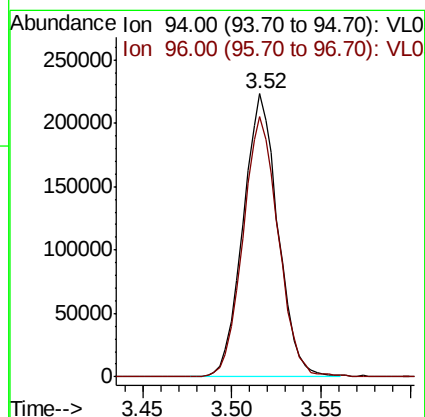
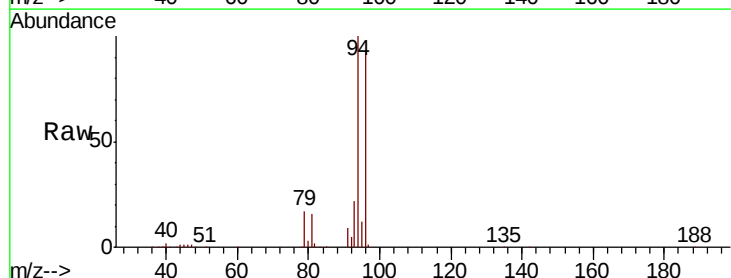
Acq: 14 Mar 2019 10:54

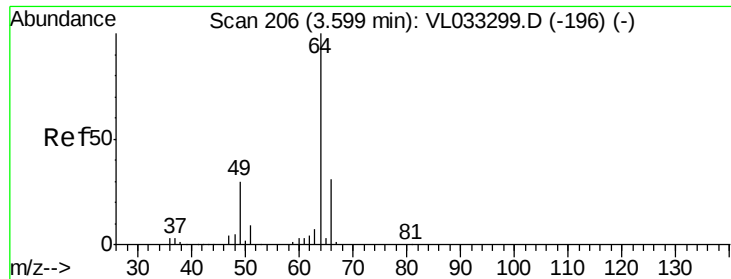
Tgt Ion: 94 Resp: 304330

Ion Ratio Lower Upper

94 100

96 91.9 76.2 114.4





#7

Chloroethane

Concen: 9.773 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

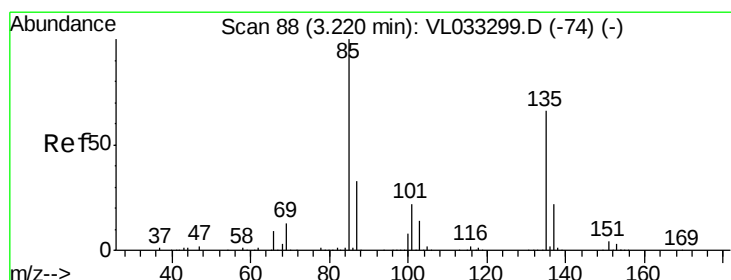
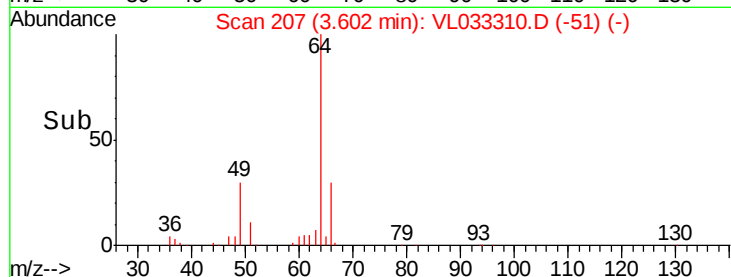
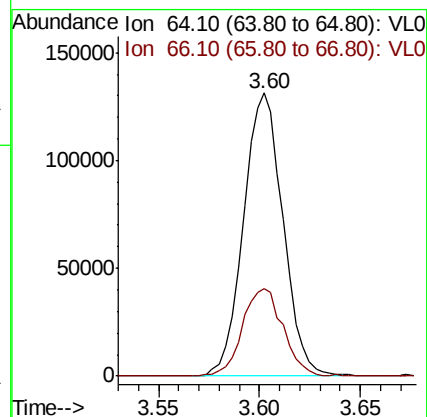
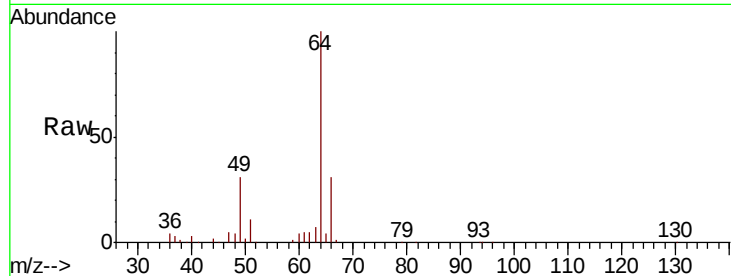
VL0313ABS02

Tgt Ion: 64 Resp: 180334

Ion Ratio Lower Upper

64 100

66 31.8 24.9 37.3



#8

Dichlorotetrafluoroethane

Concen: 9.358 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033310.D

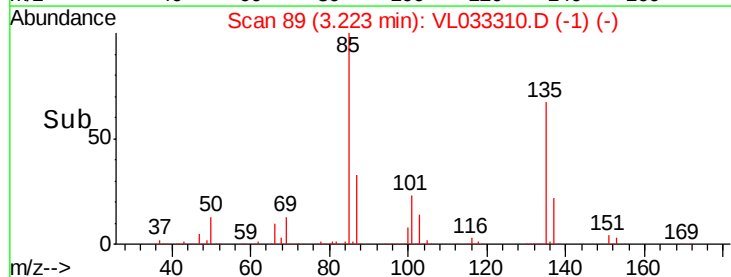
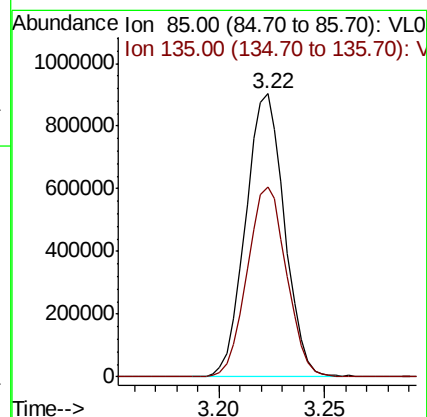
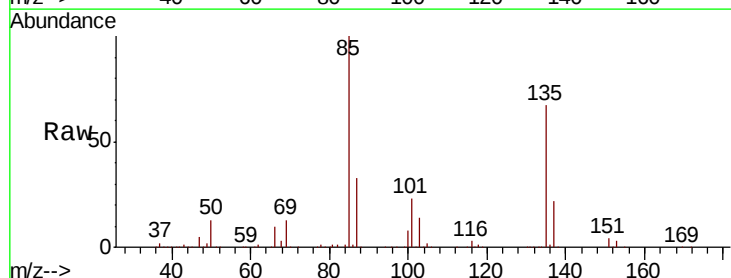
Acq: 14 Mar 2019 10:54

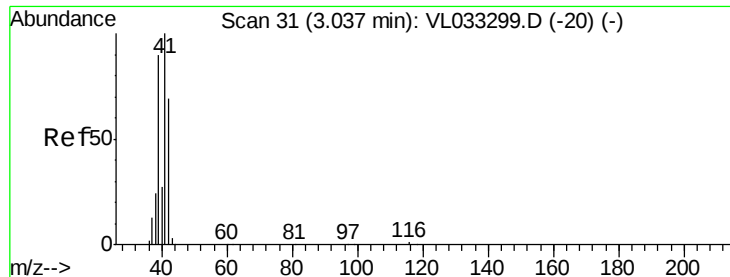
Tgt Ion: 85 Resp: 1152740

Ion Ratio Lower Upper

85 100

135 68.3 52.9 79.3





#9

Propene

Concen: 9.373 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

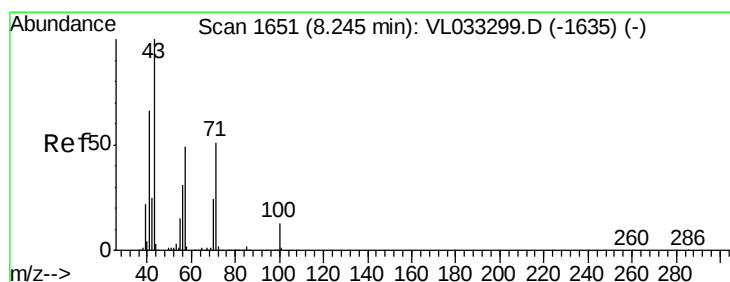
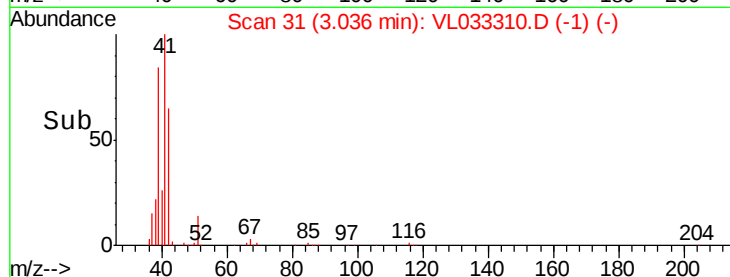
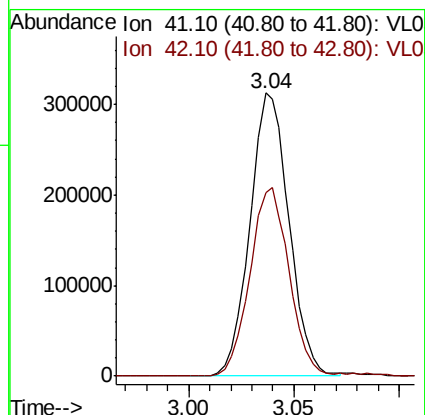
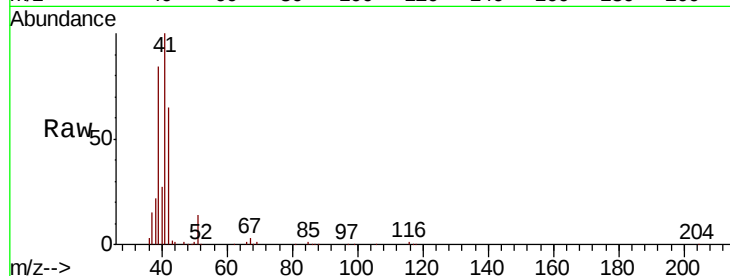
VL0313ABS02

Tgt Ion: 41 Resp: 402231

Ion Ratio Lower Upper

41 100

42 67.9 54.4 81.6



#10

Heptane

Concen: 11.320 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. 0.01 min

Lab File: VL033310.D

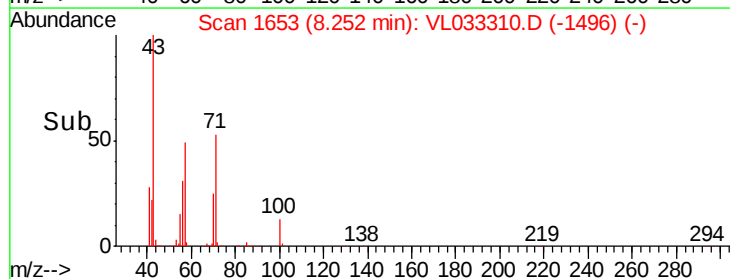
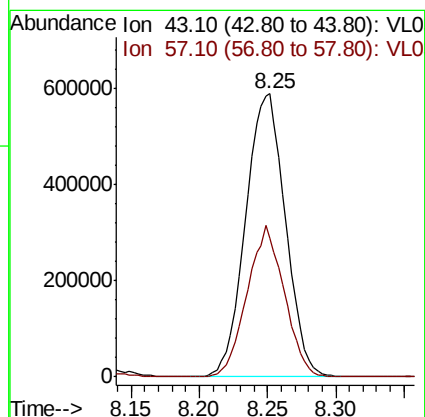
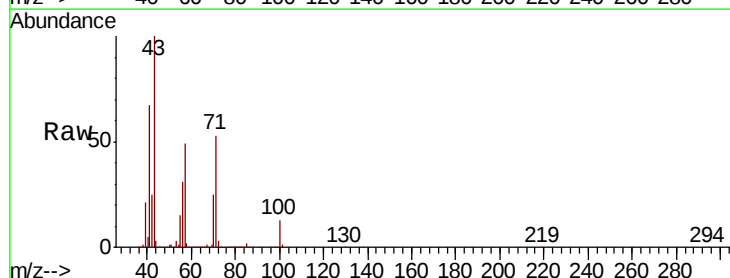
Acq: 14 Mar 2019 10:54

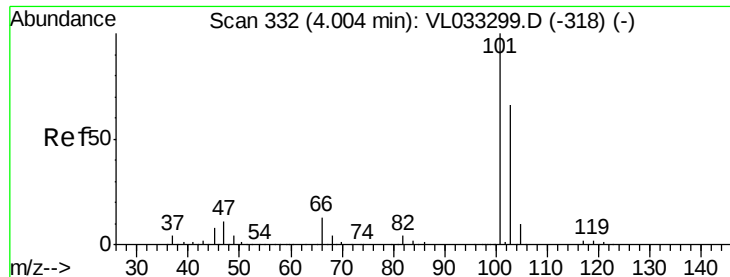
Tgt Ion: 43 Resp: 1187636

Ion Ratio Lower Upper

43 100

57 50.0 39.6 59.4

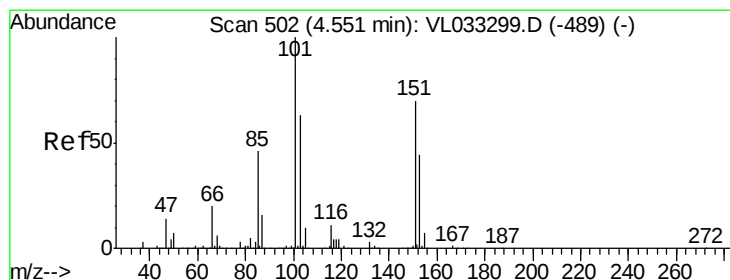
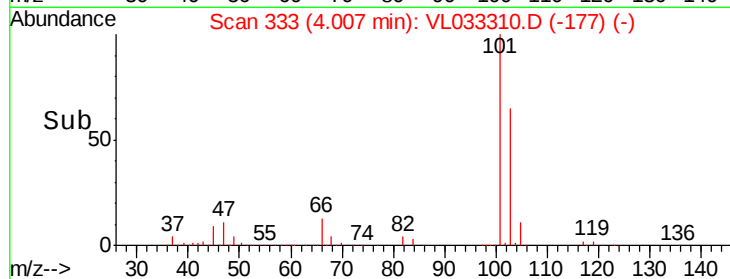
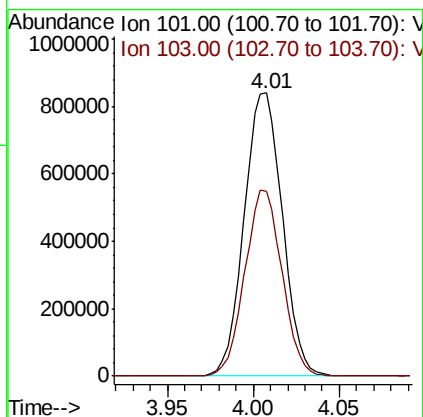
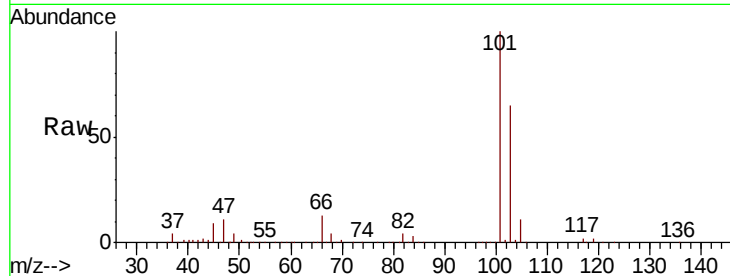




#11
 Trichlorofluoromethane
 Concen: 9.557 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

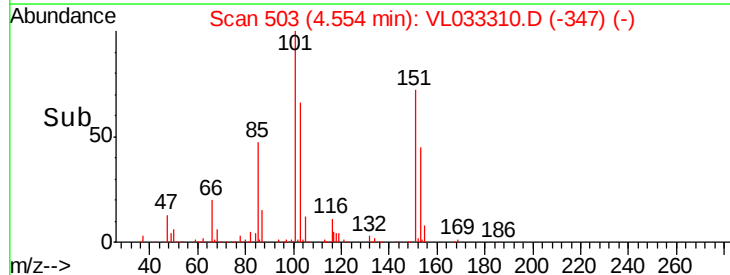
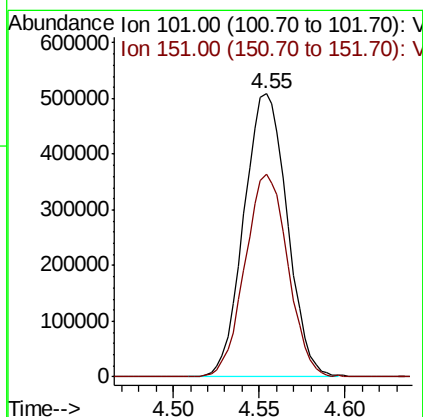
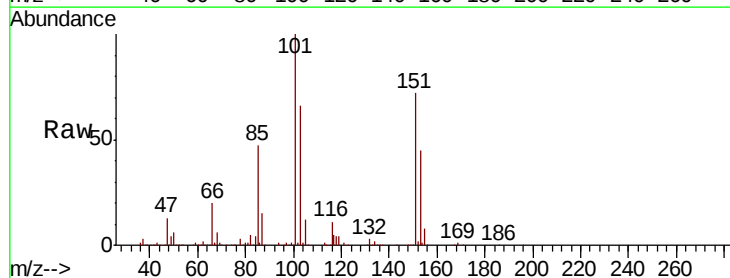
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

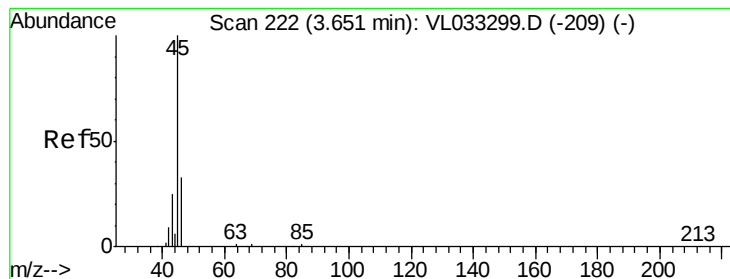
Tgt Ion:101 Resp: 1295301
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.734 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion:101 Resp: 889421
 Ion Ratio Lower Upper
 101 100
 151 71.0 57.2 85.8





#13

Ethanol

Concen: 7.154 ppbv

RT: 3.65 min Scan# 222

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

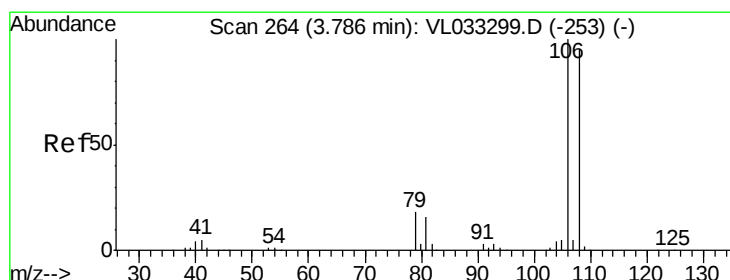
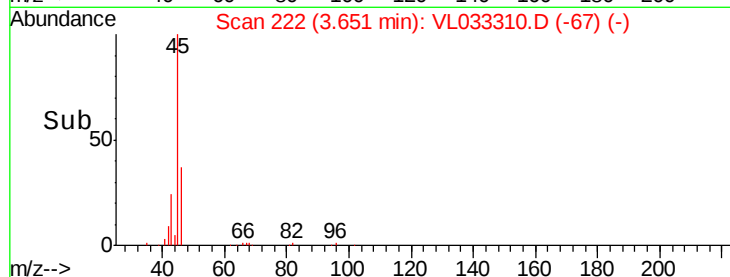
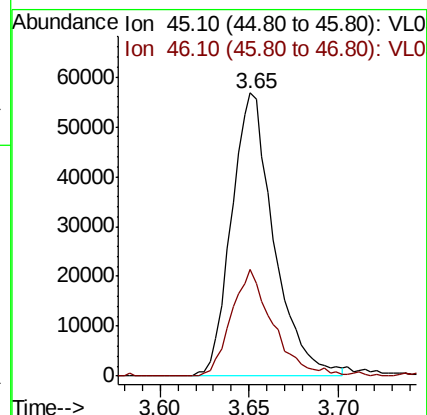
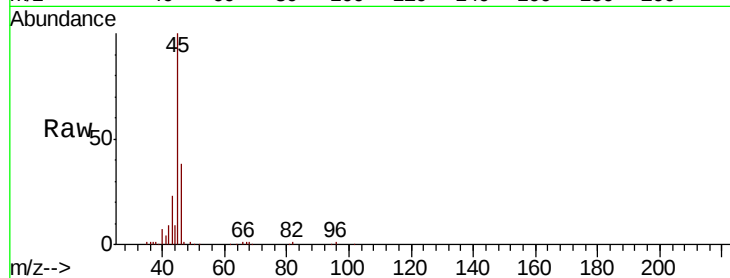
VL0313ABS02

Tgt Ion: 45 Resp: 93976

Ion Ratio Lower Upper

45 100

46 38.0 14.9 59.5



#14

Bromoethene

Concen: 10.041 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

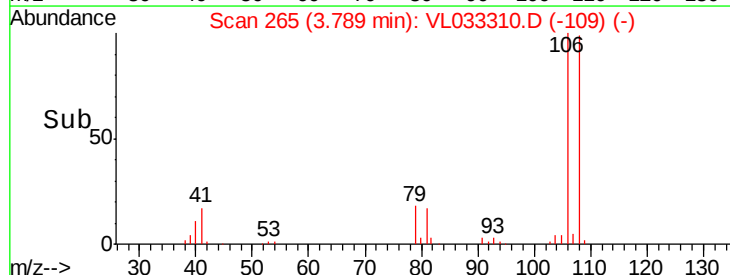
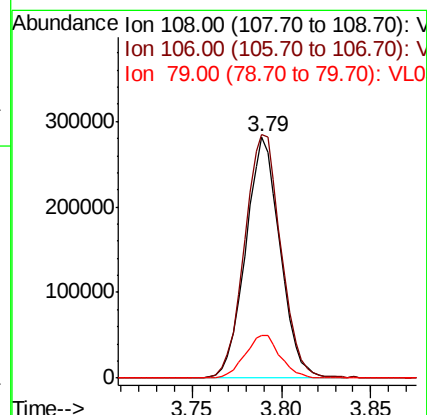
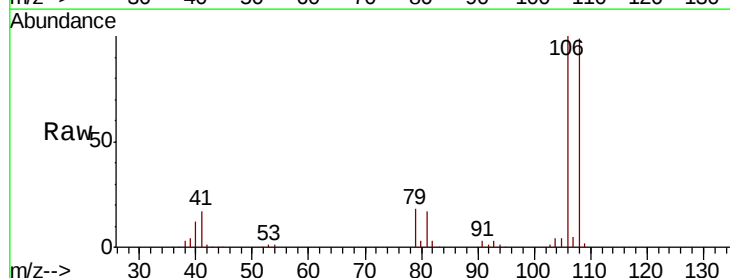
Tgt Ion: 108 Resp: 381361

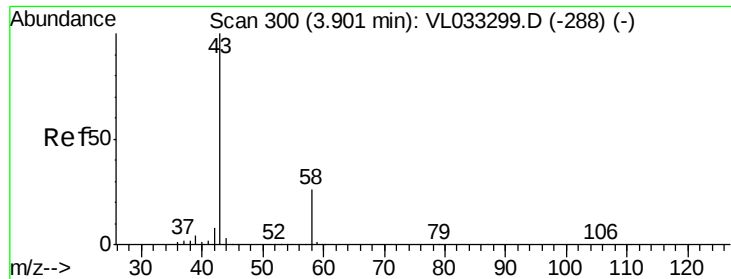
Ion Ratio Lower Upper

108 100

106 107.2 85.1 127.7

79 18.4 15.0 22.6





#15

Acetone

Concen: 8.209 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

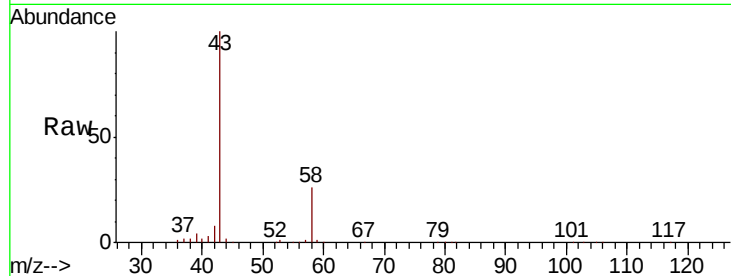
VL0313ABS02

Tgt Ion: 43 Resp: 822837

Ion Ratio Lower Upper

43 100

58 26.1 20.6 31.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

600000

500000

400000

300000

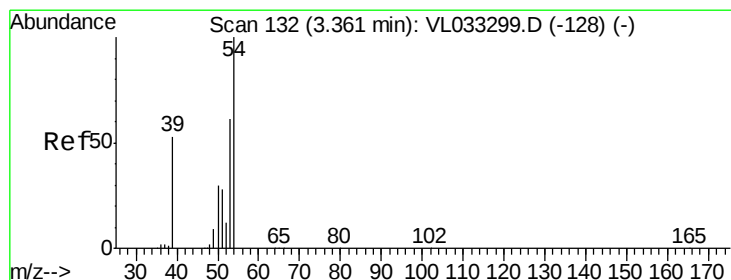
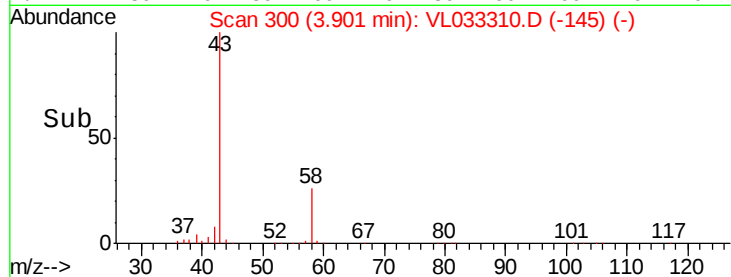
200000

100000

0

Time-->

3.85 3.90 3.95



#16

1,3-Butadiene

Concen: 8.943 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033310.D

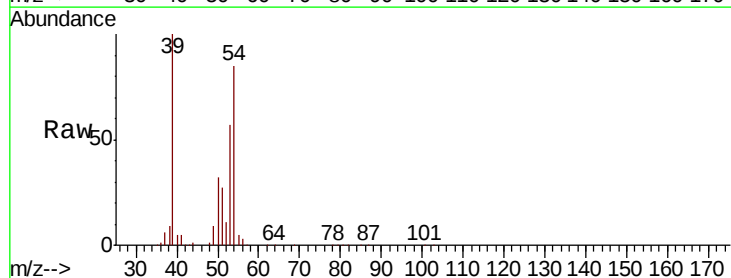
Acq: 14 Mar 2019 10:54

Tgt Ion: 39 Resp: 367042

Ion Ratio Lower Upper

39 100

54 99.9 68.4 102.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.36

300000

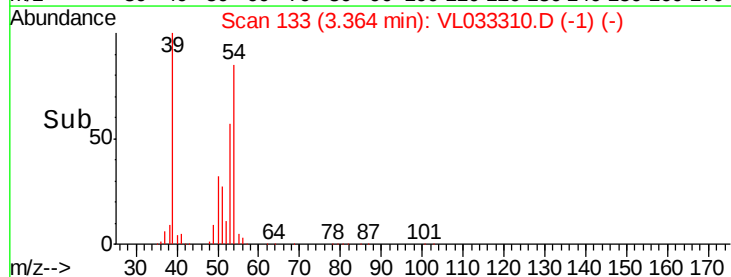
200000

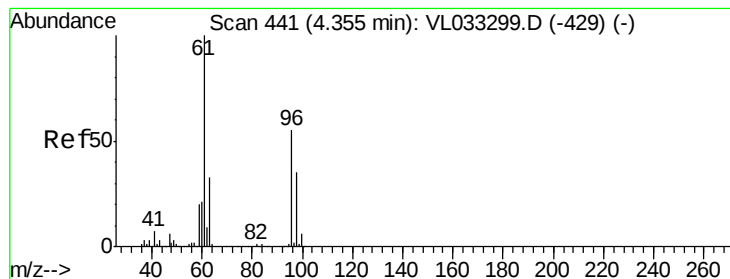
100000

0

Time-->

3.34 3.36 3.38 3.40 3.42



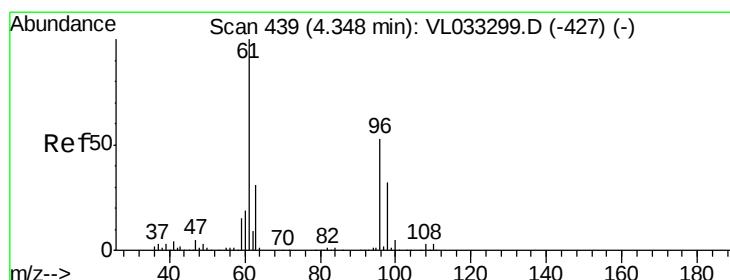
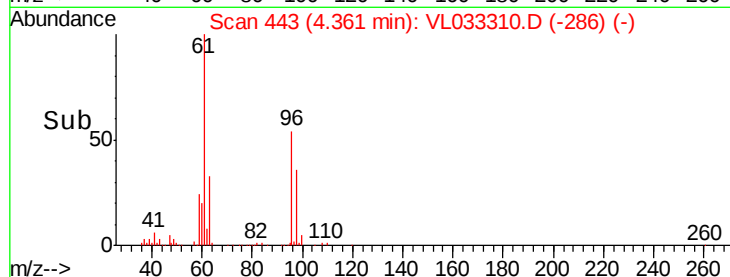
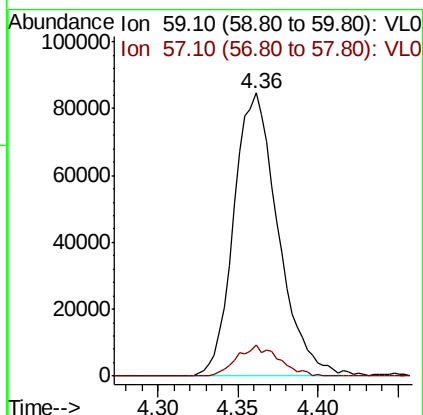
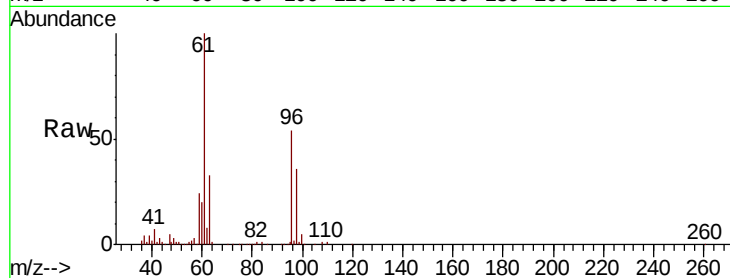


#17

tert-Butyl alcohol
Concen: 9.125 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.01 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

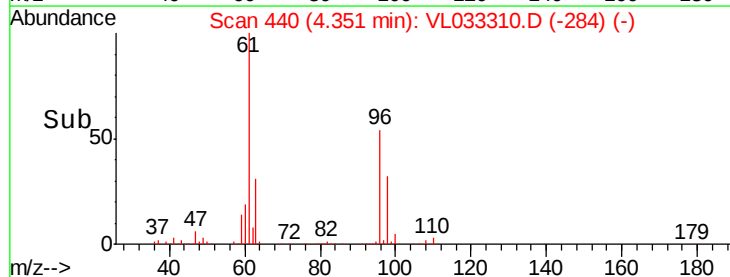
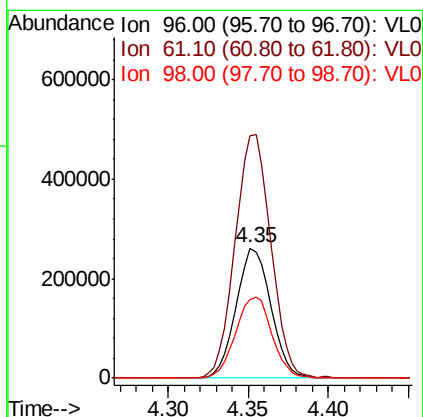
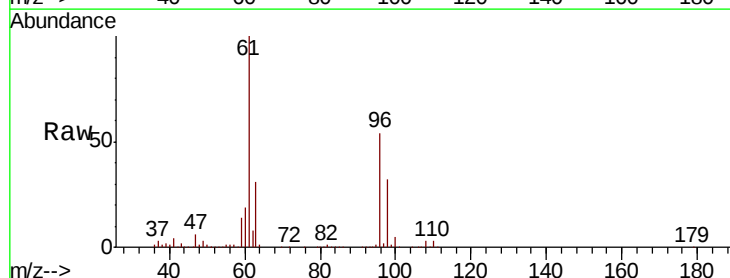
Tgt Ion: 59 Resp: 159534
Ion Ratio Lower Upper
59 100
57 10.4 7.4 11.2

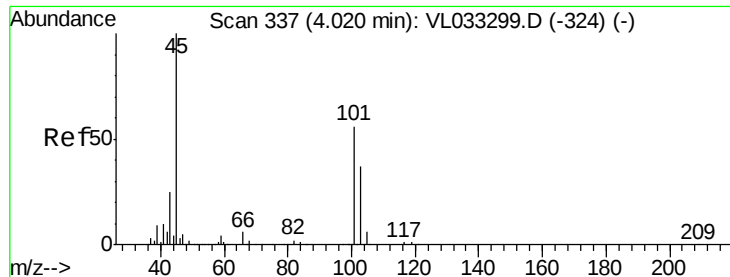


#18

1,1-Dichloroethene
Concen: 9.578 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion: 96 Resp: 386531
Ion Ratio Lower Upper
96 100
61 185.6 152.3 228.5
98 60.2 48.6 72.8





#19

Isopropyl Alcohol

Concen: 9.075 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

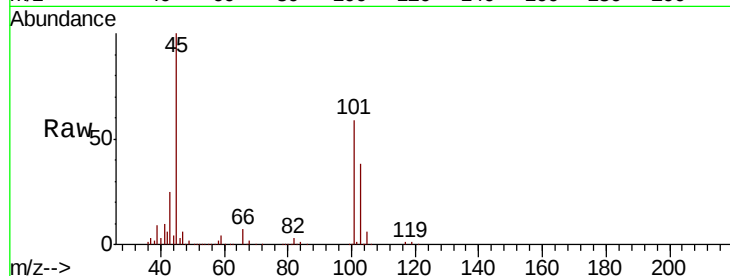
VL0313ABS02

Tgt Ion: 45 Resp: 556466

Ion Ratio Lower Upper

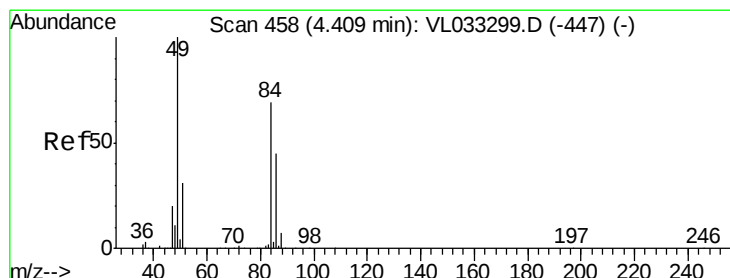
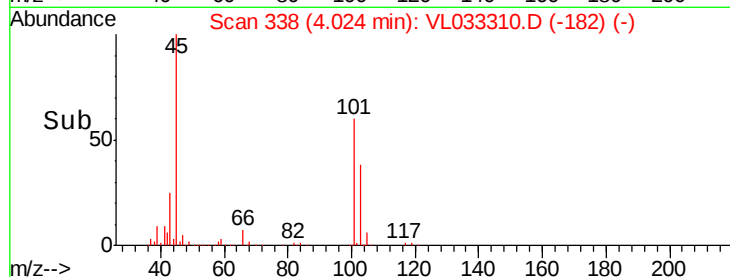
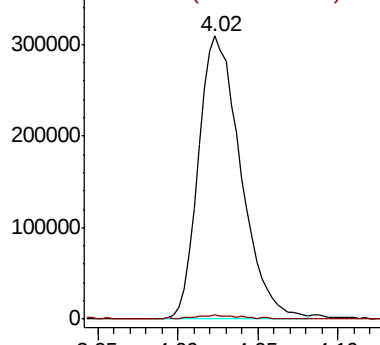
45 100

58 1.8 1.4 2.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.283 ppbv

RT: 4.41 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Tgt Ion: 84 Resp: 336137

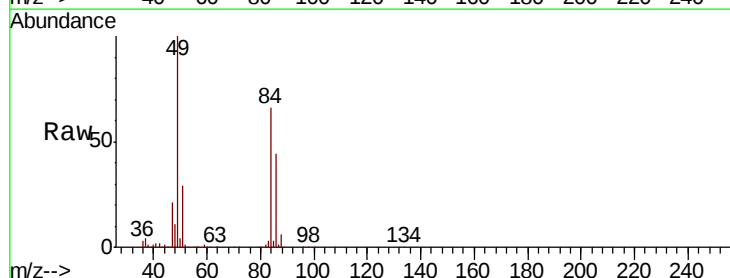
Ion Ratio Lower Upper

84 100

49 151.8 115.4 173.2

51 43.6 35.7 53.5

86 66.7 52.6 78.8

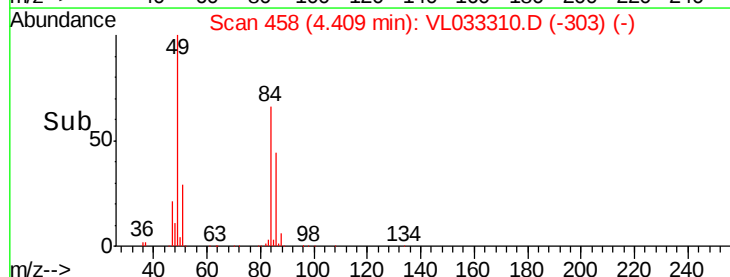
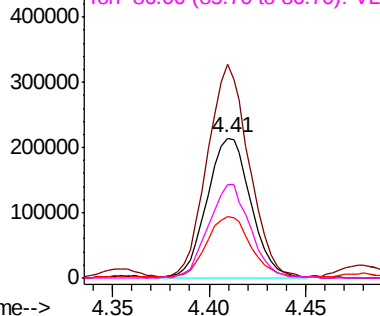


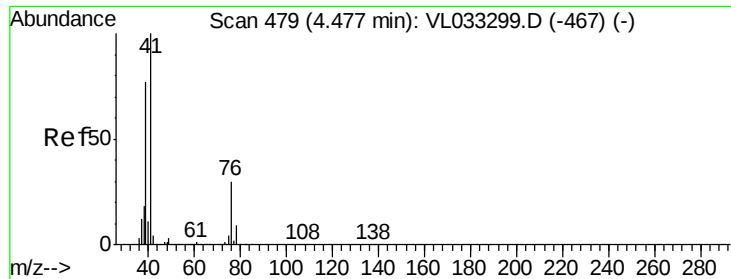
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

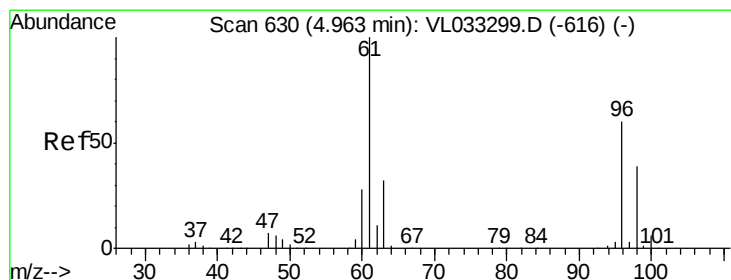
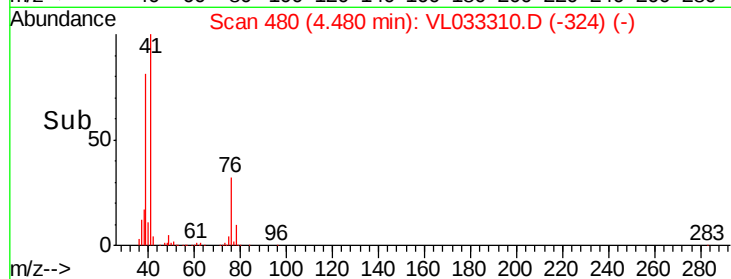
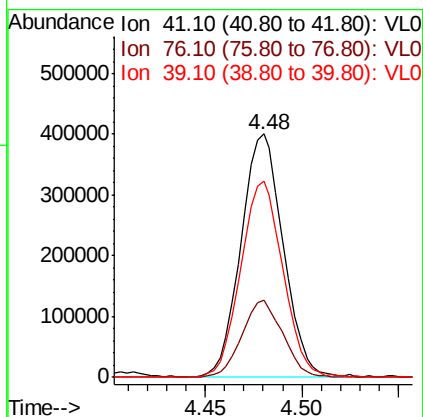
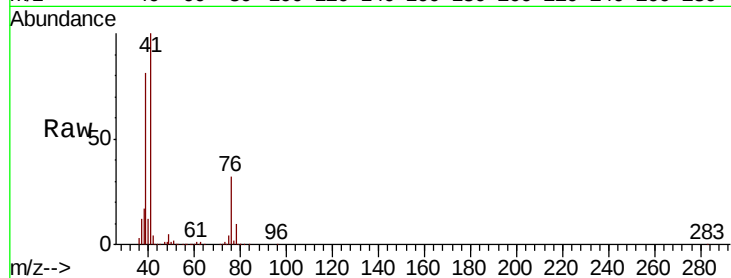




#21
 Allyl Chloride
 Concen: 10.050 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

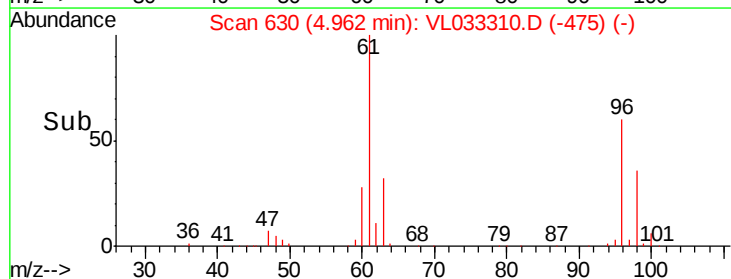
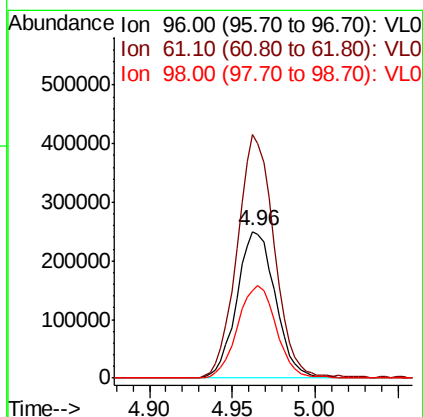
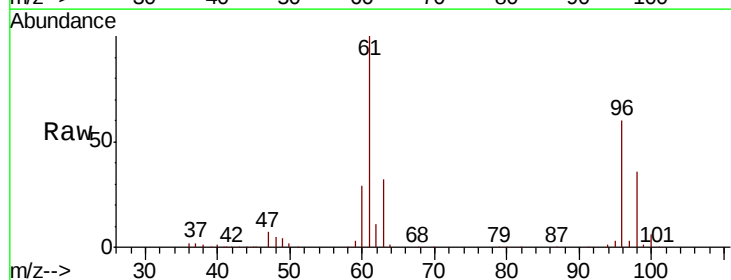
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

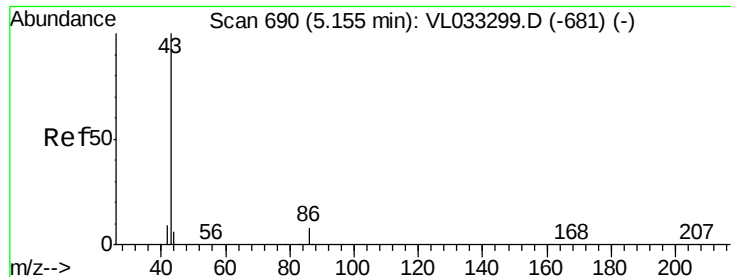
Tgt Ion: 41 Resp: 608216
 Ion Ratio Lower Upper
 41 100
 76 30.6 24.3 36.5
 39 81.0 64.4 96.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.935 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion: 96 Resp: 404474
 Ion Ratio Lower Upper
 96 100
 61 166.0 132.7 199.1
 98 59.4 52.4 78.6





#23

Vinyl Acetate

Concen: 10.001 ppbv

RT: 5.16 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

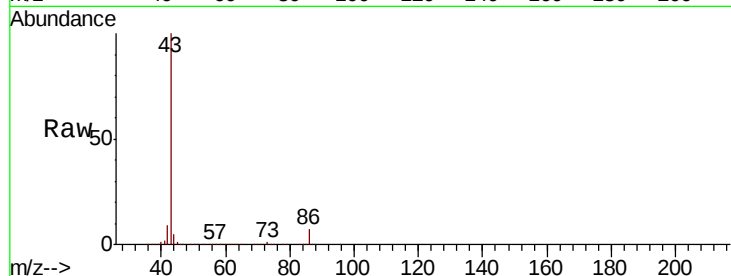
MSVOA_L

ClientSampleId :

VL0313ABS02

Tgt Ion: 43 Resp: 1455370

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.8
42	9.1	7.8	11.8
44	4.9	4.1	6.1

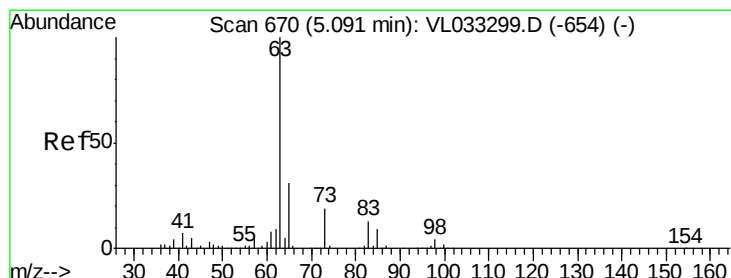
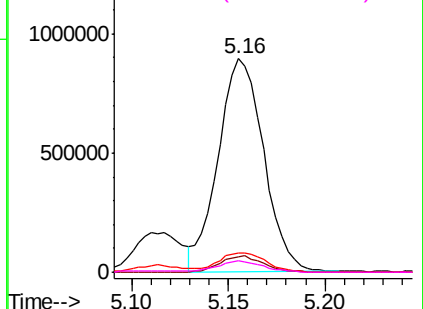
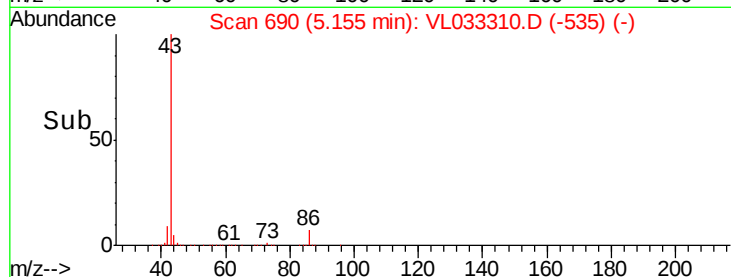


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.596 ppbv

RT: 5.09 min Scan# 670

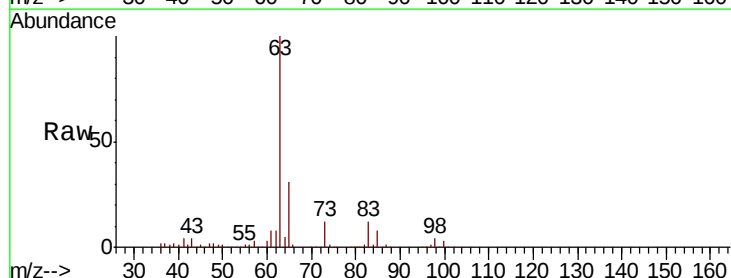
Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Tgt Ion: 63 Resp: 1010229

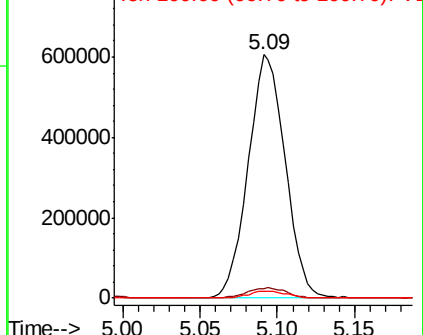
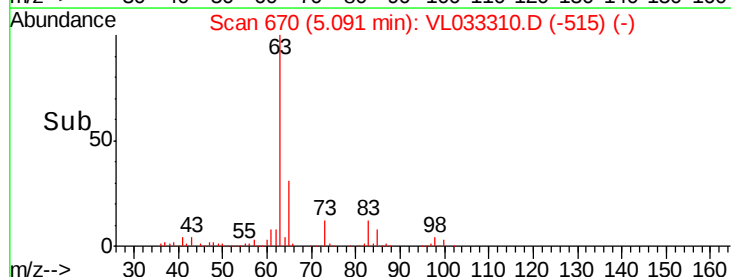
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.3	6.8
100	2.7	1.3	3.8

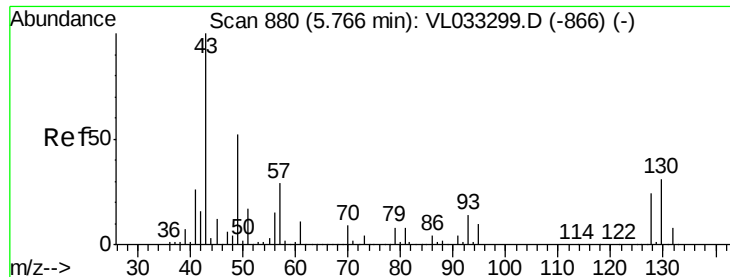


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.441 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

Tgt Ion: 43 Resp: 1723822

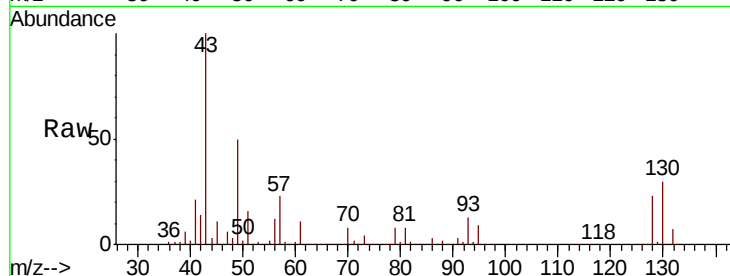
Ion Ratio Lower Upper

43 100

45 9.7 8.0 12.0

61 9.4 7.5 11.3

70 7.0 5.7 8.5

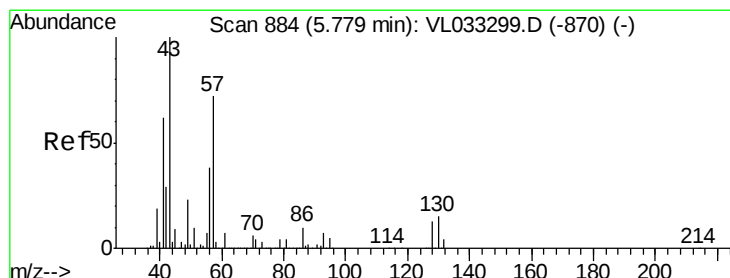
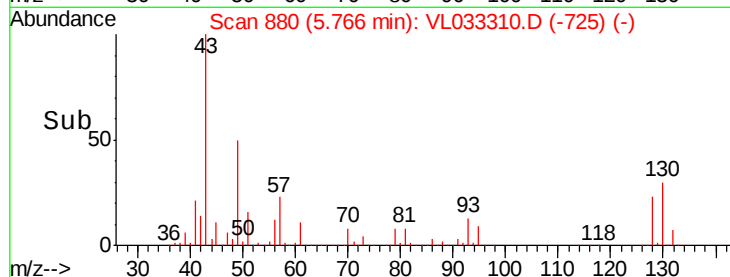
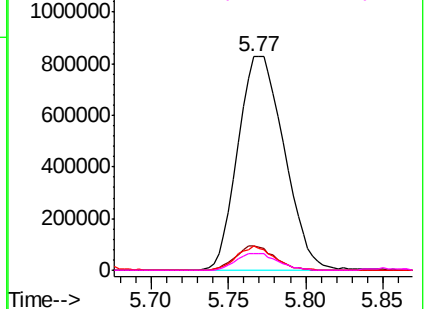


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.925 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Tgt Ion: 57 Resp: 761422

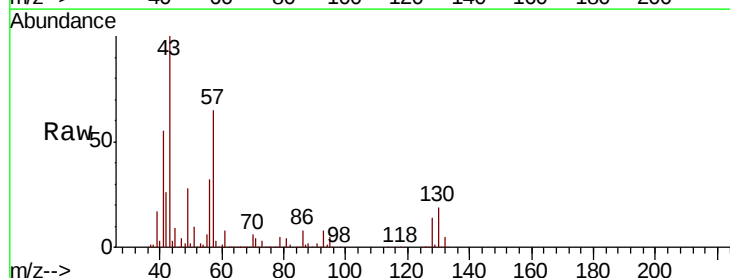
Ion Ratio Lower Upper

57 100

41 89.9 71.6 107.4

43 229.2 179.2 268.8

56 52.4 42.2 63.2

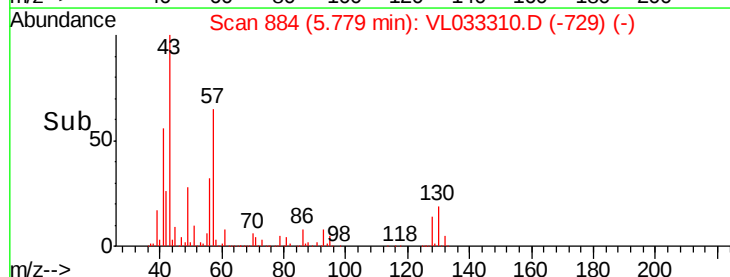
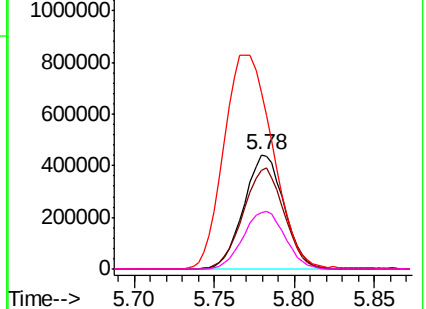


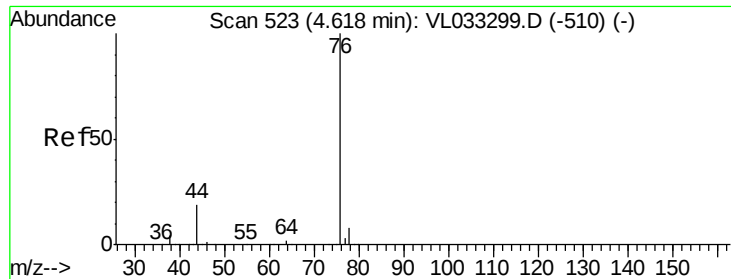
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

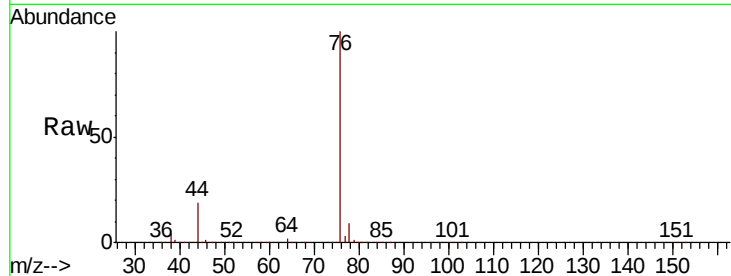




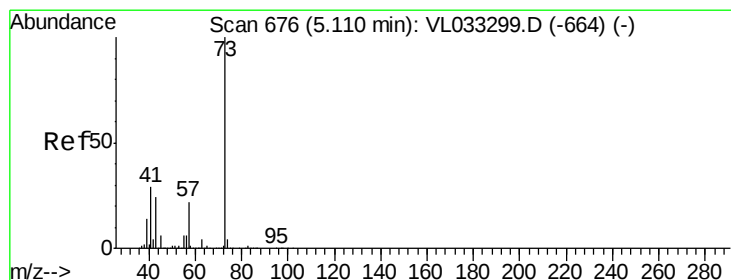
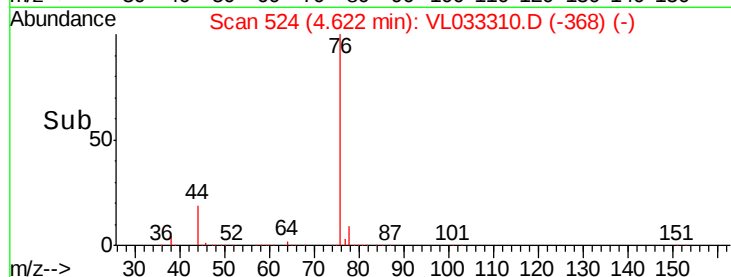
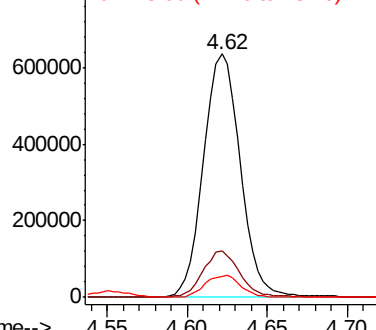
#27
Carbon Disulfide
Concen: 10.902 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

Tgt Ion: 76 Resp: 994736
Ion Ratio Lower Upper
76 100
44 18.5 14.7 22.1
78 9.2 7.3 10.9

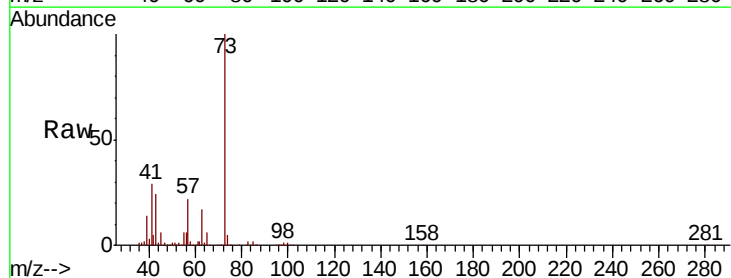


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

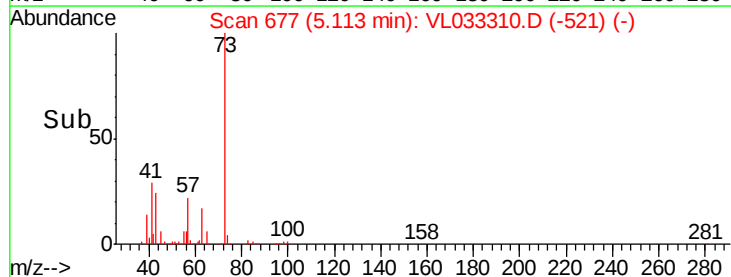
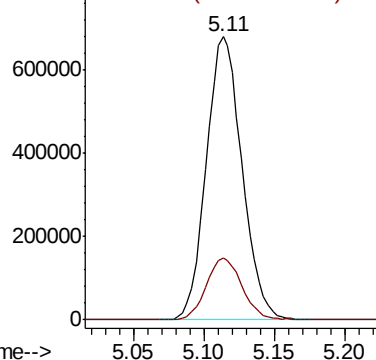


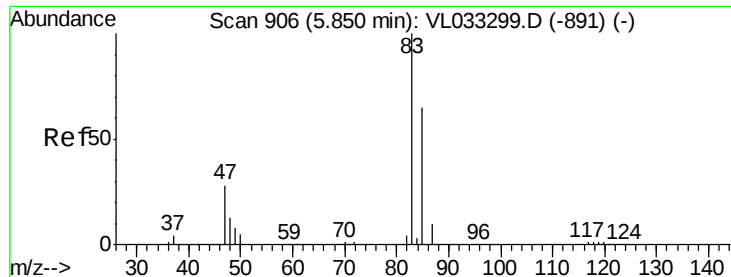
#28
Methyl tert-Butyl Ether
Concen: 9.845 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion: 73 Resp: 1207475
Ion Ratio Lower Upper
73 100
57 22.0 17.4 26.0



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

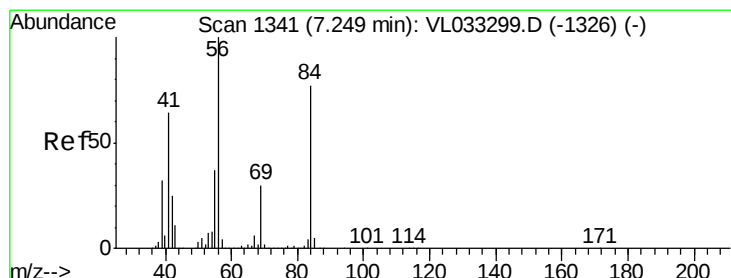
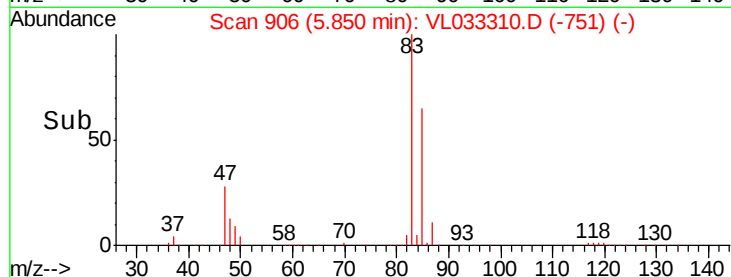
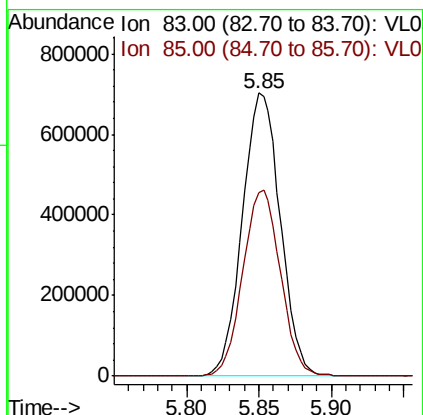
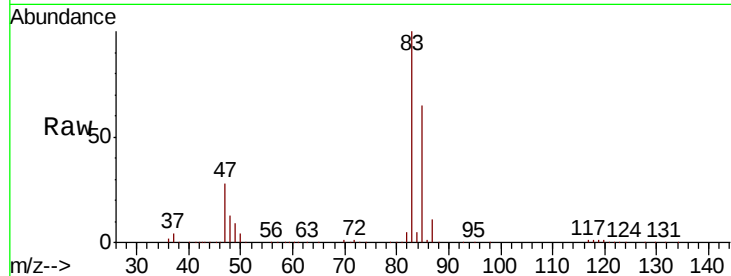




#29
Chloroform
Concen: 9.646 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

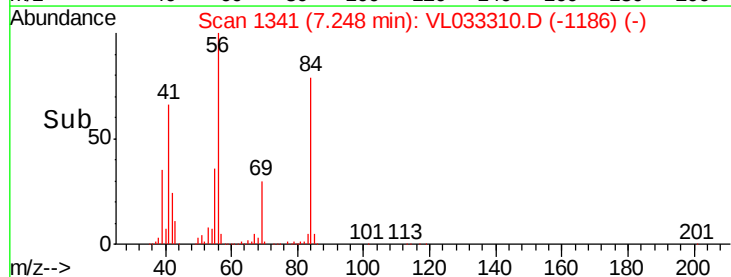
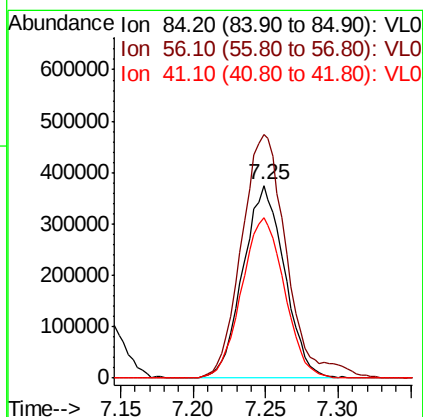
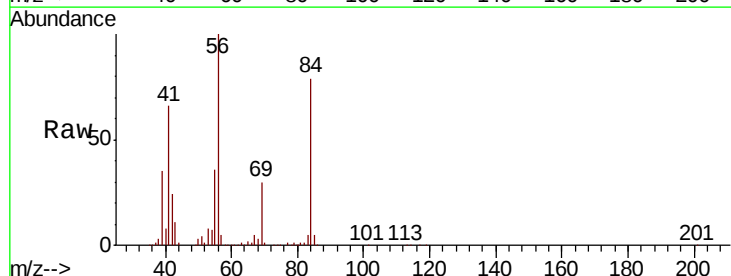
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

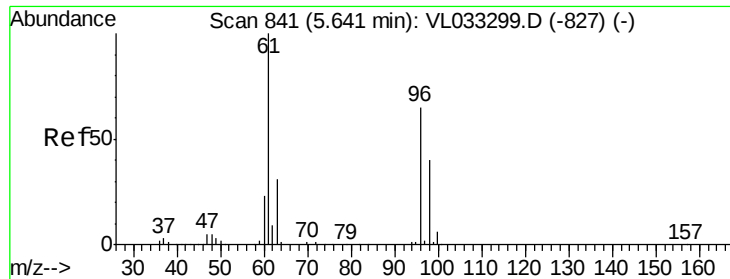
Tgt Ion: 83 Resp: 1279328
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.4



#30
Cyclohexane
Concen: 11.239 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion: 84 Resp: 744387
Ion Ratio Lower Upper
84 100
56 138.3 109.8 164.8
41 86.0 68.1 102.1



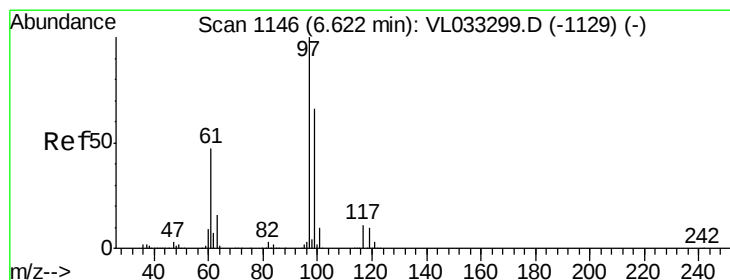
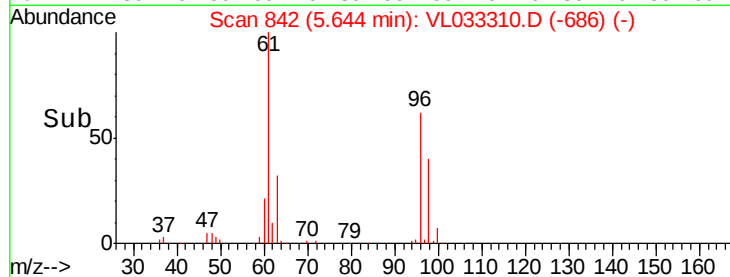
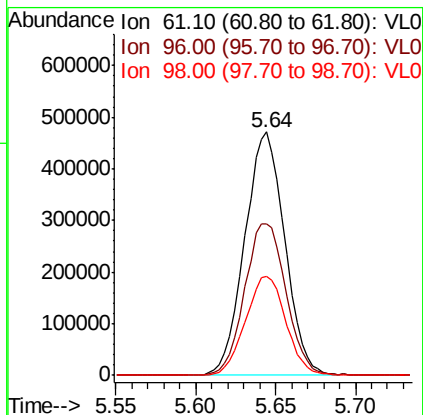
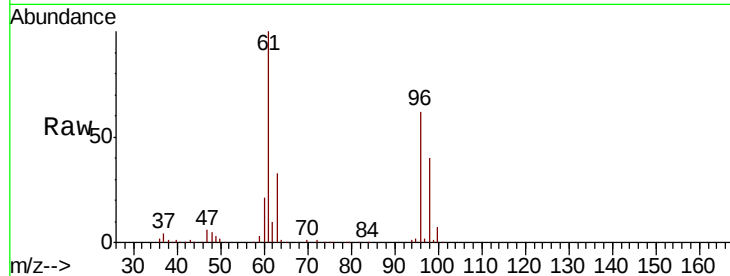


#31

cis-1,2-Dichloroethene
 Concen: 9.838 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

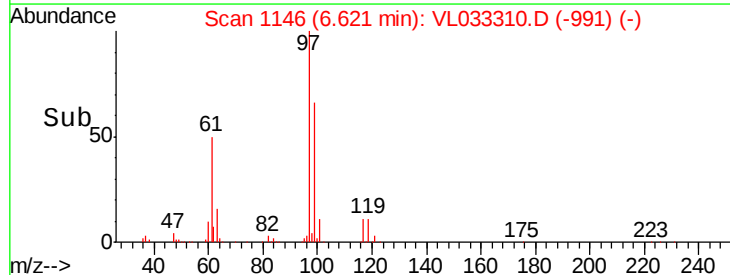
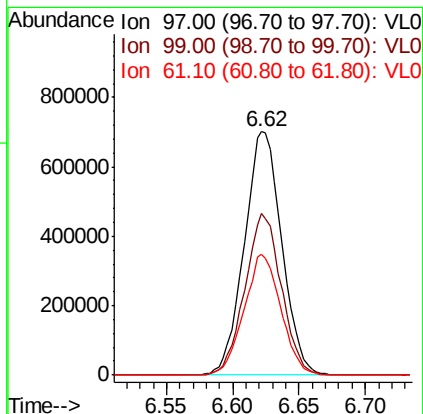
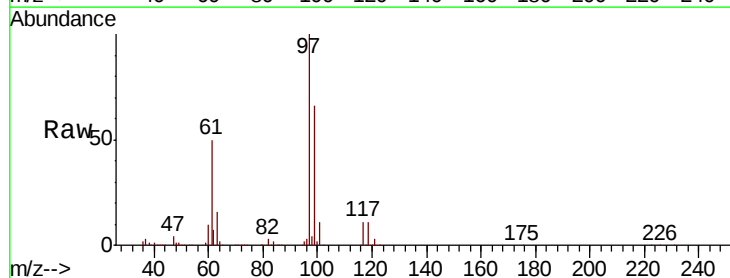
Tgt Ion	Ratio	Lower	Upper
61	100		
96	62.2	51.8	77.6
98	40.5	32.3	48.5

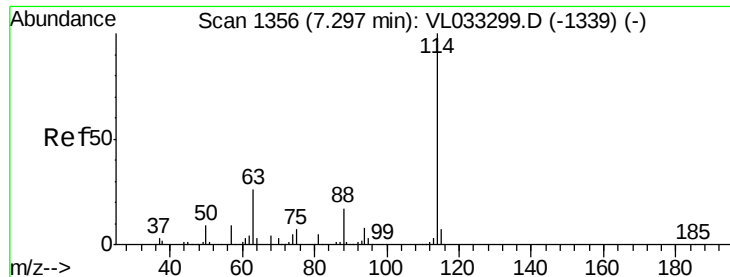


#32

1,1,1-Trichloroethane
 Concen: 10.672 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	49.1	39.4	59.2

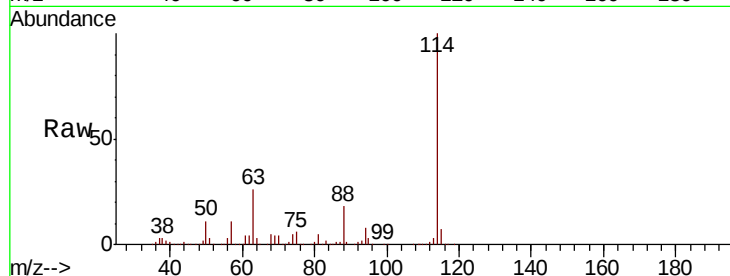




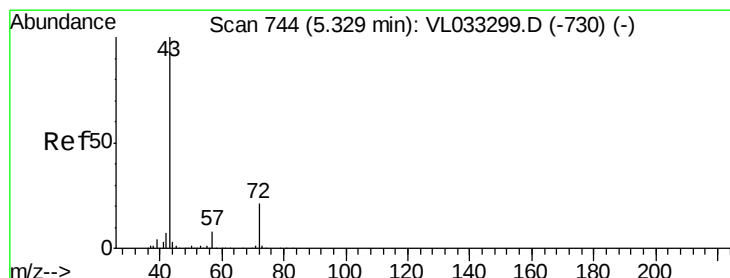
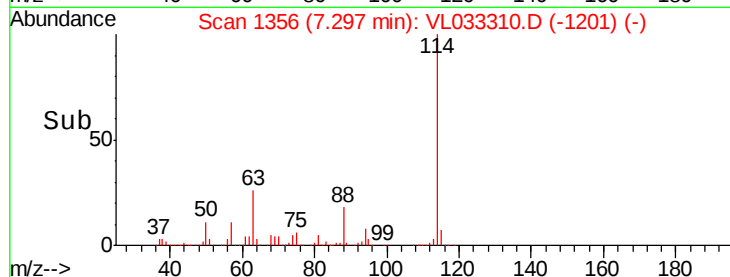
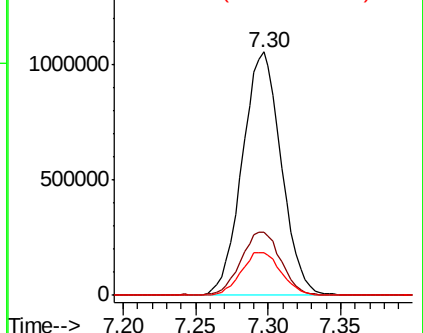
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

Tgt Ion: 114 Resp: 1972856
 Ion Ratio Lower Upper
 114 100
 63 26.9 21.3 31.9
 88 18.2 14.5 21.7

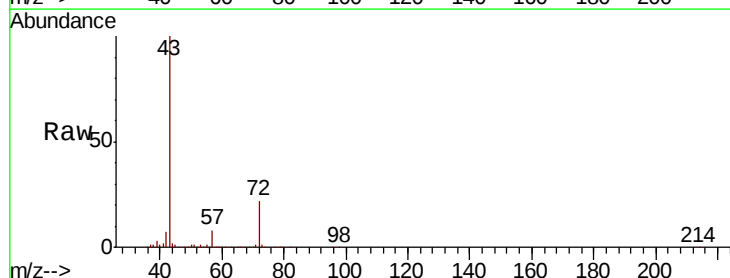


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

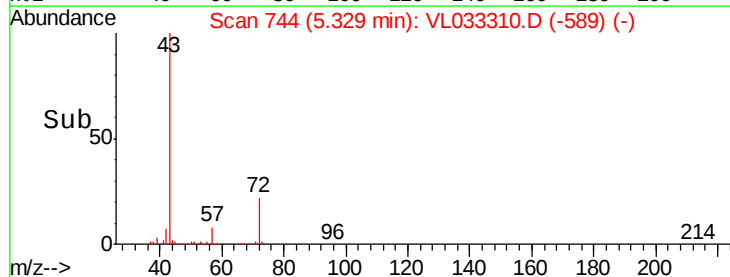
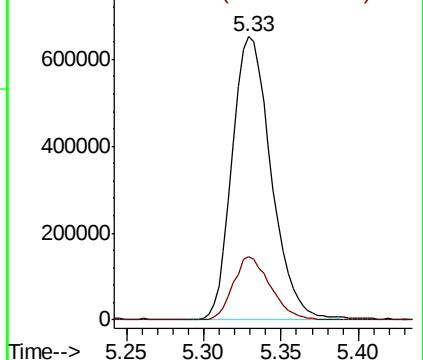


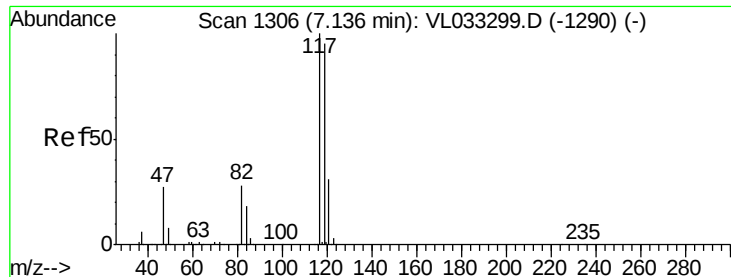
#34
 2-Butanone
 Concen: 8.334 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion: 43 Resp: 1136770
 Ion Ratio Lower Upper
 43 100
 72 21.6 17.2 25.8



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





#35

Carbon Tetrachloride

Concen: 9.918 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

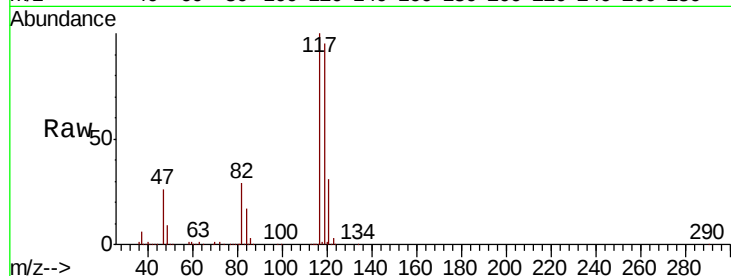
Tgt Ion:117 Resp: 1504090

Ion Ratio Lower Upper

117 100

119 95.0 75.9 113.9

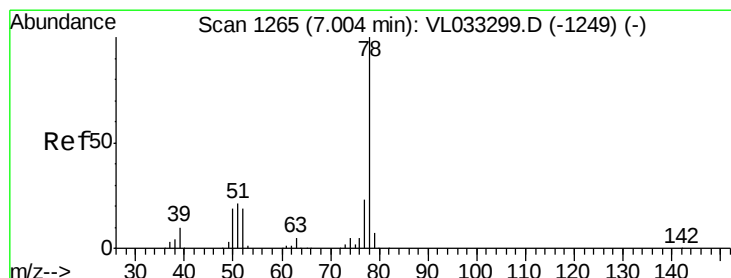
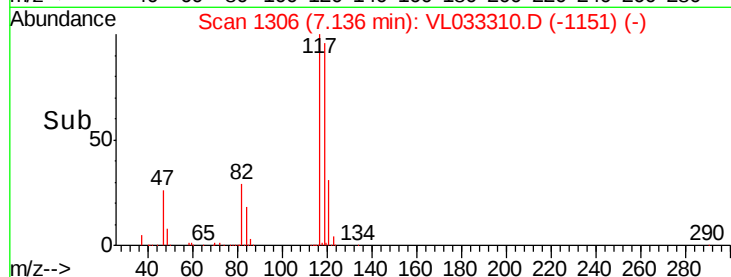
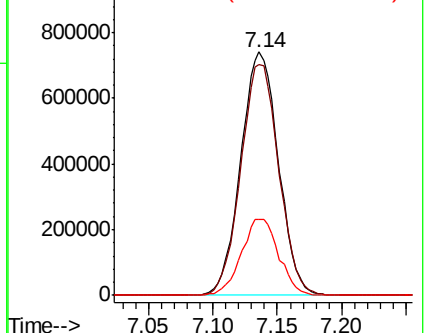
121 31.4 25.2 37.8



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: 9.697 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

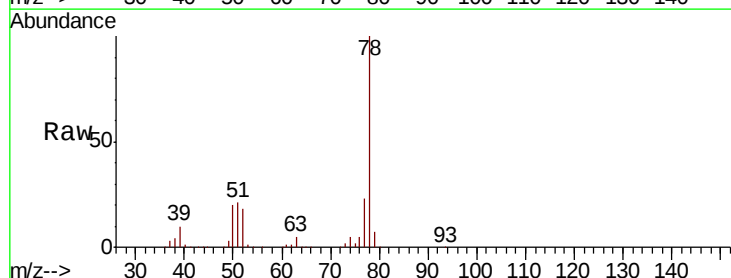
Tgt Ion: 78 Resp: 1878901

Ion Ratio Lower Upper

78 100

77 22.6 18.6 28.0

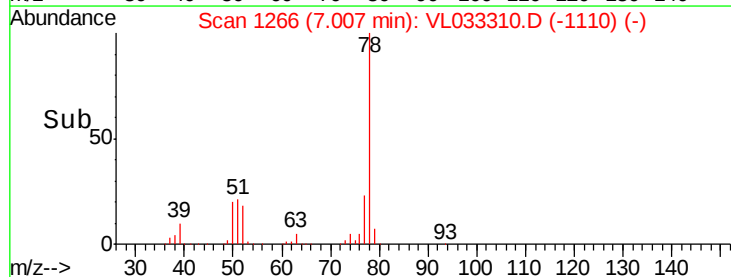
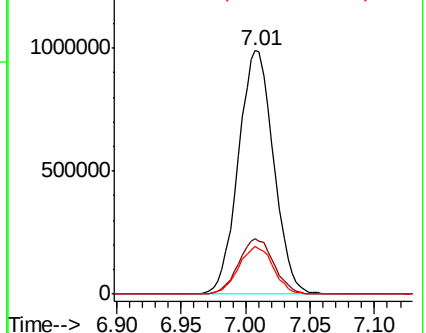
50 19.6 15.2 22.8

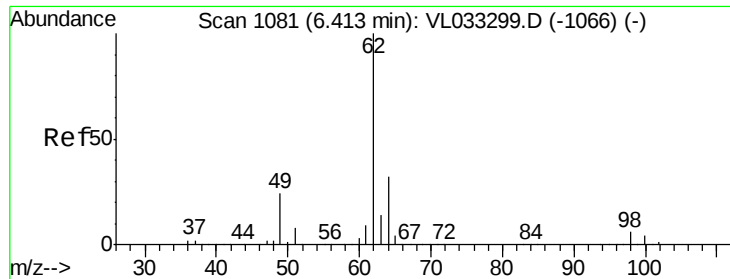


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

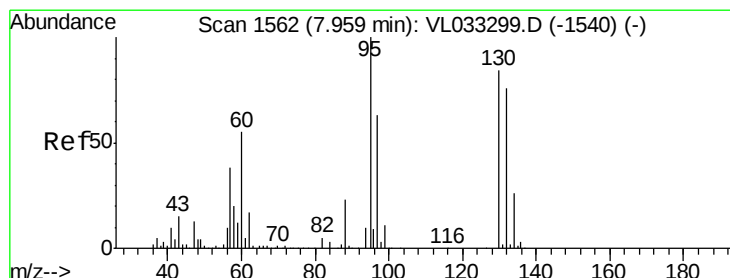
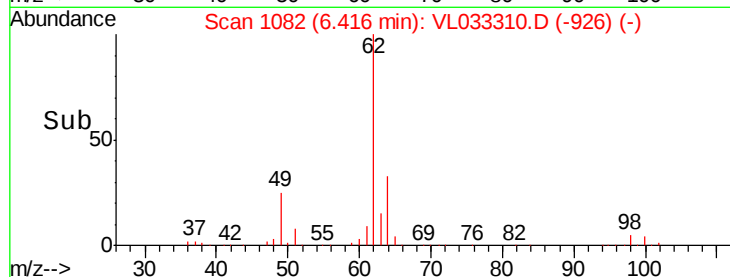
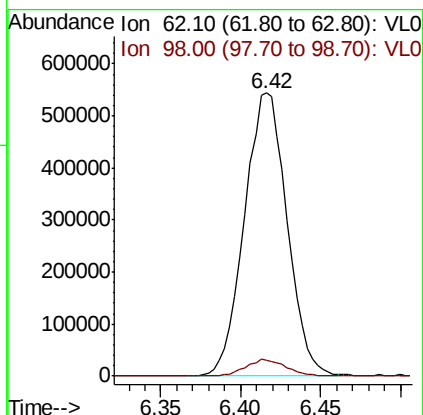
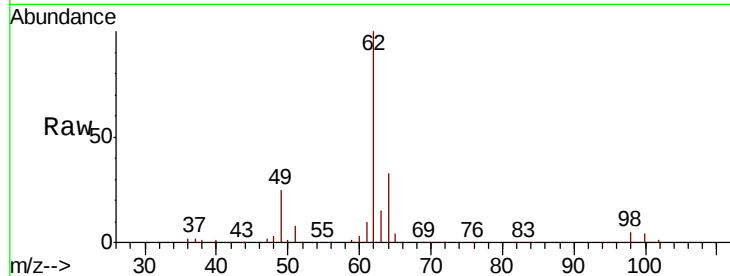




#37
 1,2-Dichloroethane
 Concen: 8.578 ppbv
 RT: 6.42 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

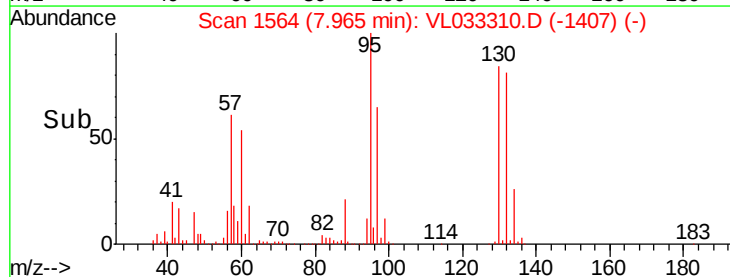
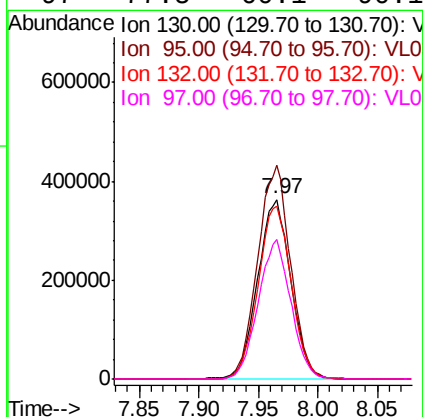
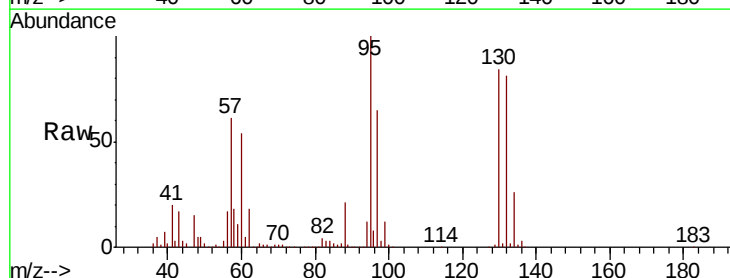
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

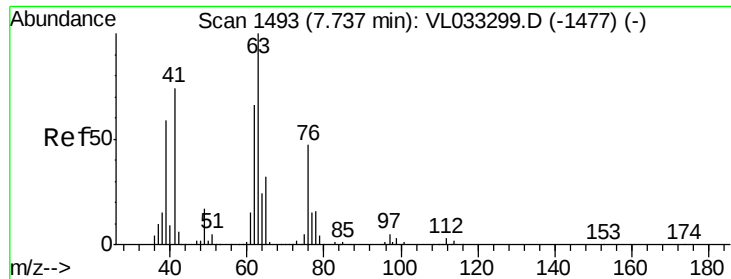
Tgt Ion: 62 Resp: 992837
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.4 6.6



#38
 Trichloroethene
 Concen: 9.178 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. 0.01 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion: 130 Resp: 703118
 Ion Ratio Lower Upper
 130 100
 95 119.1 95.2 142.8
 132 96.0 72.5 108.7
 97 77.5 60.1 90.1

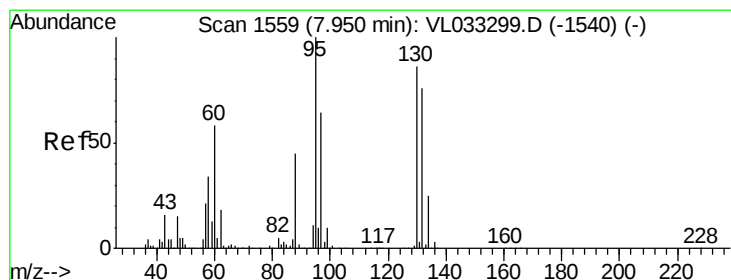
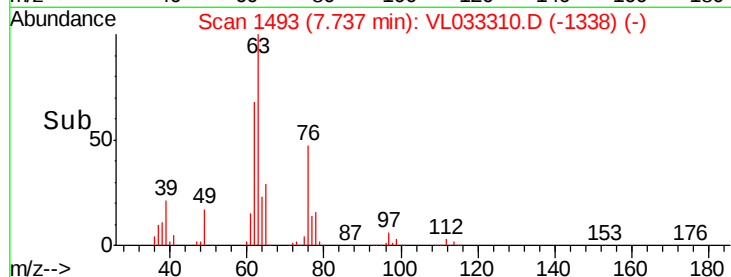
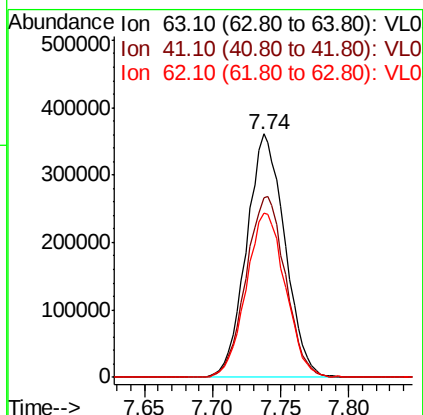
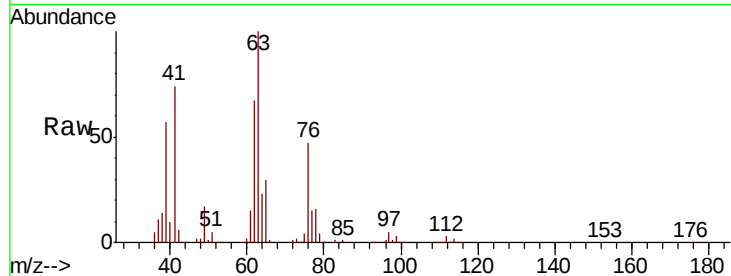




#39
 1,2-Dichloropropane
 Concen: 9.472 ppbv
 RT: 7.74 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

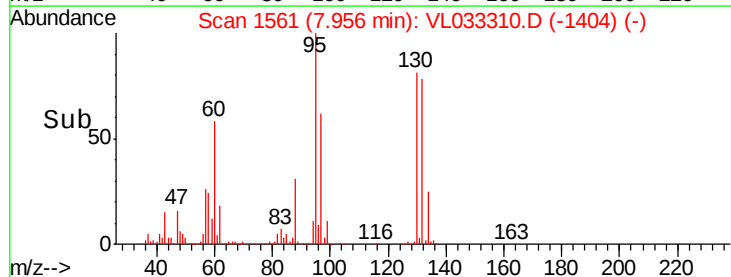
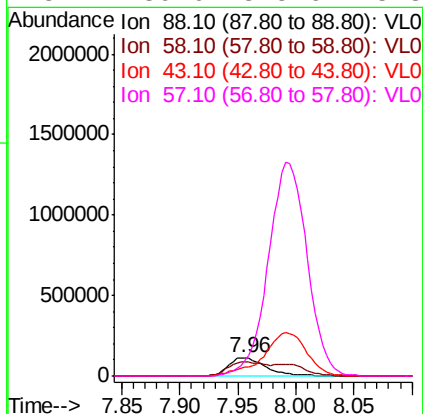
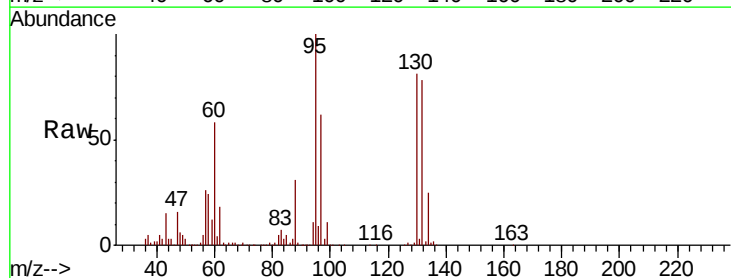
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

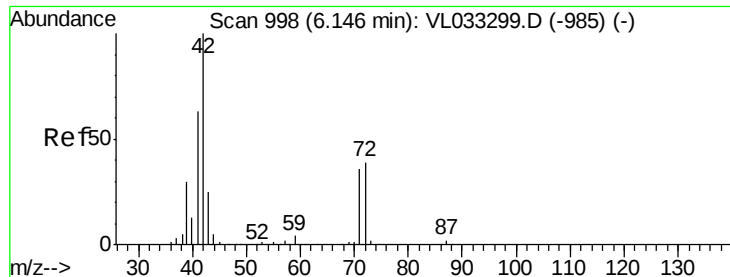
Tgt Ion: 63 Resp: 704763
 Ion Ratio Lower Upper
 63 100
 41 73.8 59.0 88.4
 62 67.4 53.0 79.4



#40
 1,4-Dioxane
 Concen: 9.313 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion: 88 Resp: 250393
 Ion Ratio Lower Upper
 88 100
 58 132.9 97.7 146.5
 43 279.4 199.4 299.2
 57 1239.0 875.6 1313.4





#41

Tetrahydrofuran

Concen: 8.781 ppbv

RT: 6.15 min Scan# 999

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

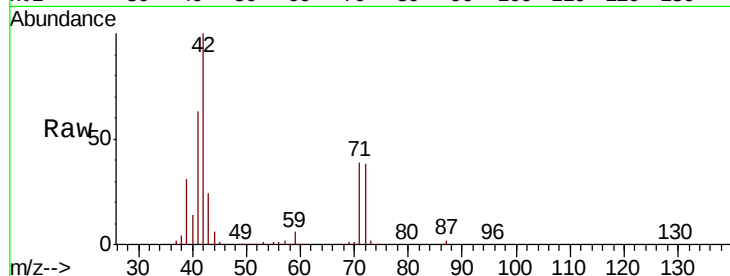
Tgt Ion: 42 Resp: 664463

Ion Ratio Lower Upper

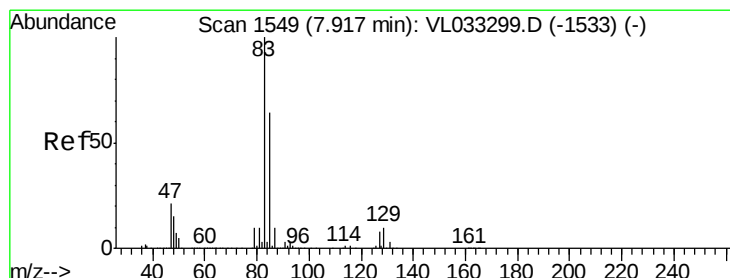
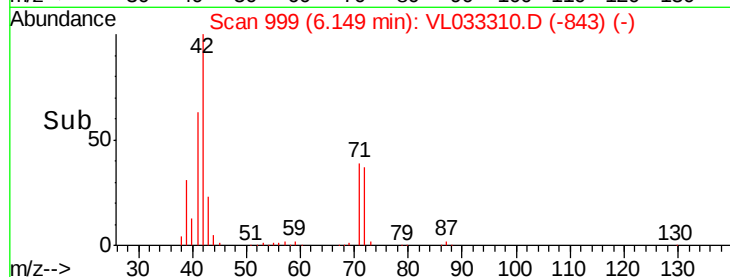
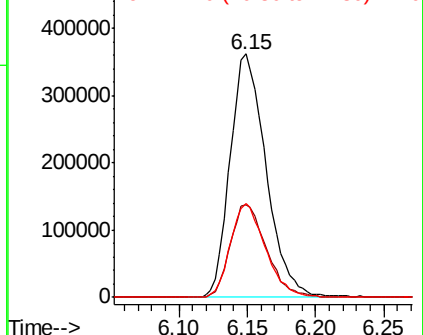
42 100

72 38.3 30.8 46.2

71 37.7 30.0 45.0



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: 9.925 ppbv

RT: 7.92 min Scan# 1550

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

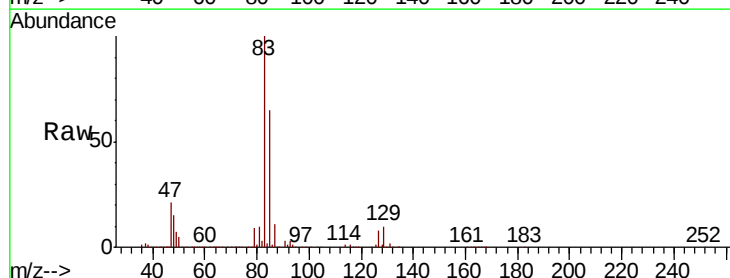
Tgt Ion: 83 Resp: 1610402

Ion Ratio Lower Upper

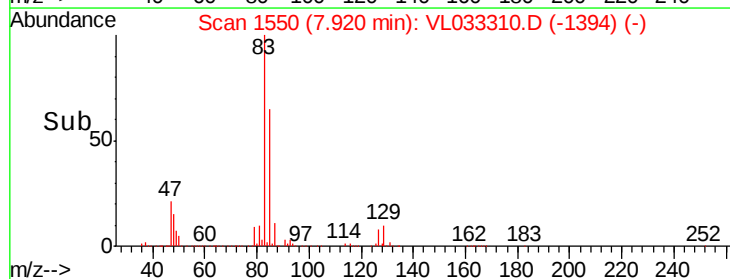
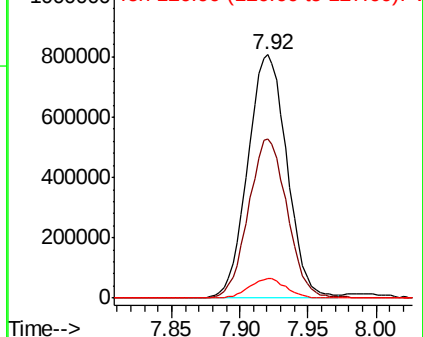
83 100

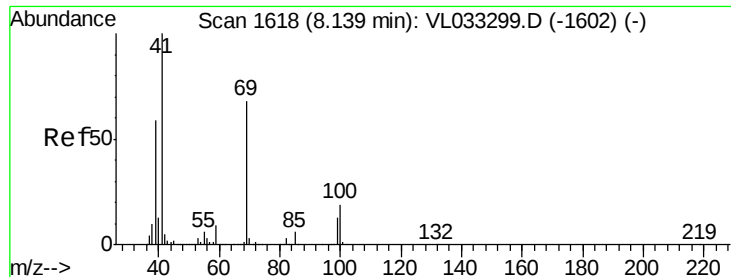
85 65.5 51.0 76.4

127 8.1 6.6 10.0



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

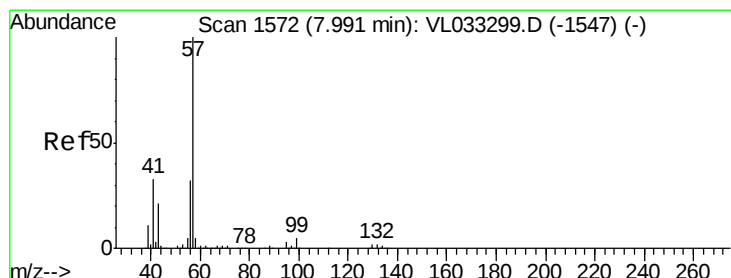
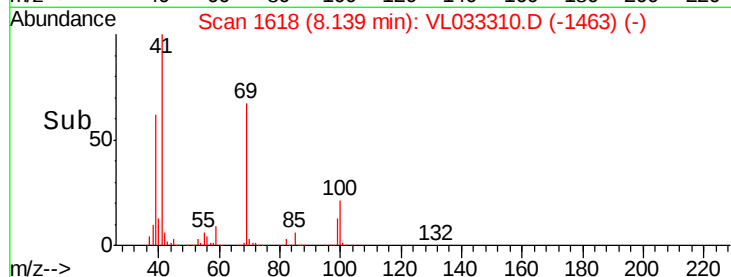
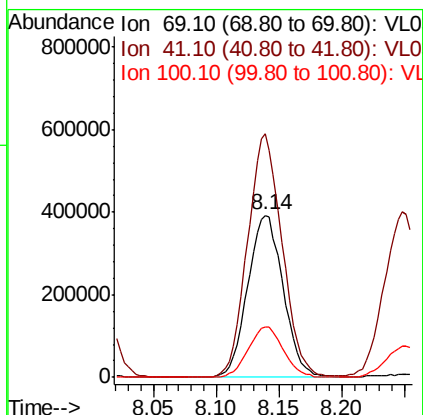
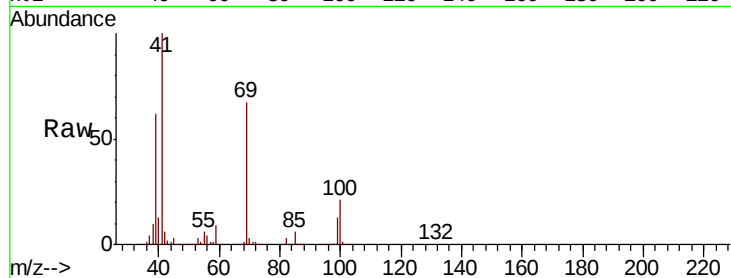




#43
Methyl Methacrylate
Concen: 9.983 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

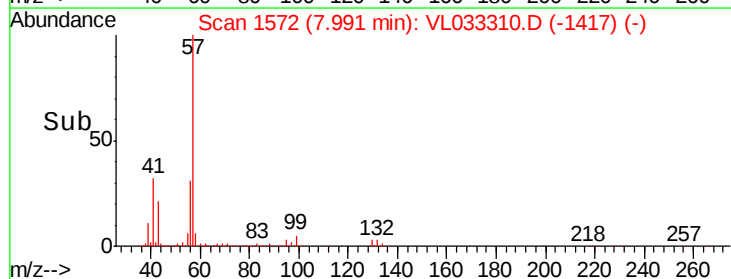
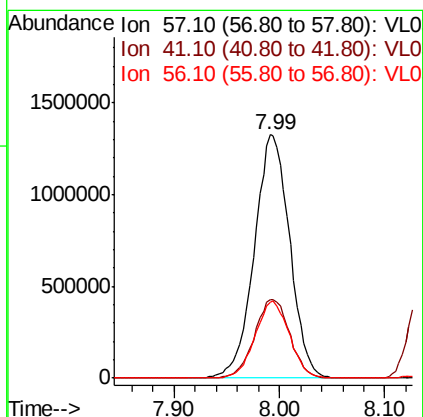
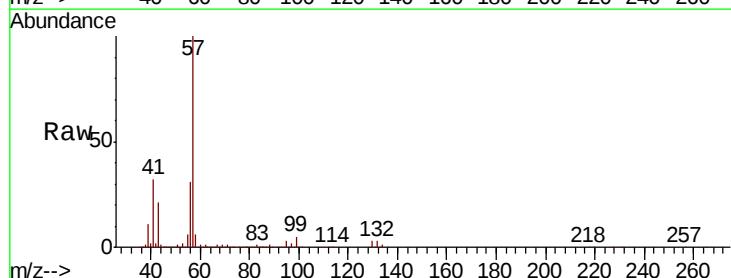
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

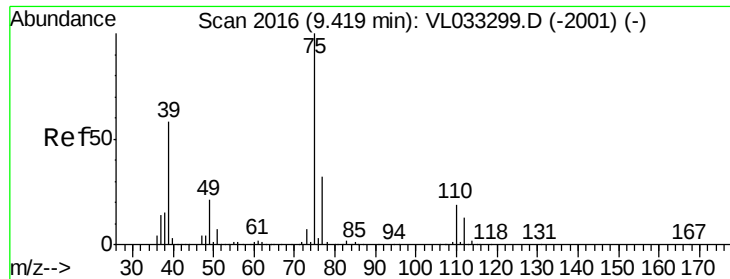
Tgt Ion: 69 Resp: 770096
Ion Ratio Lower Upper
69 100
41 146.5 117.0 175.4
100 30.9 24.3 36.5



#44
2,2,4-Trimethylpentane
Concen: 9.350 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion: 57 Resp: 3097351
Ion Ratio Lower Upper
57 100
41 32.1 25.9 38.9
56 30.7 24.6 36.8





#45

t-1,3-Dichloropropene

Concen: 11.197 ppbv

RT: 9.42 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

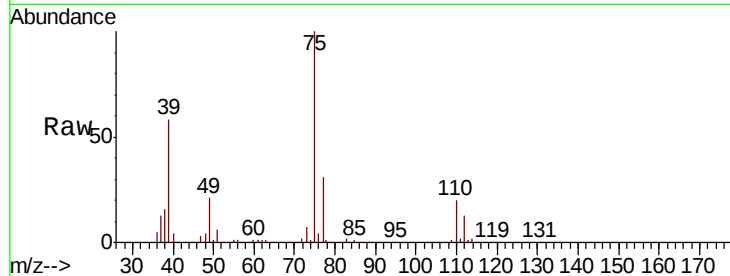
VL0313ABS02

Tgt Ion: 75 Resp: 1012924

Ion Ratio Lower Upper

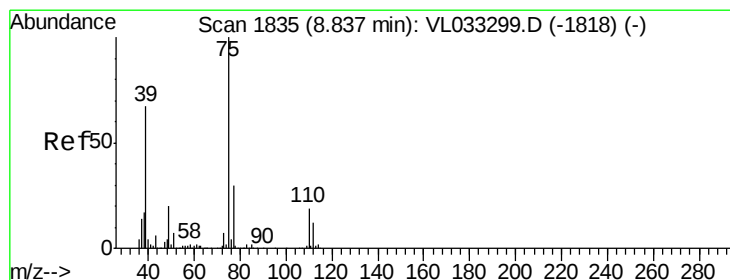
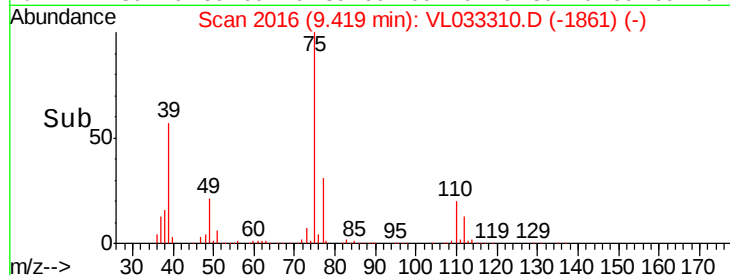
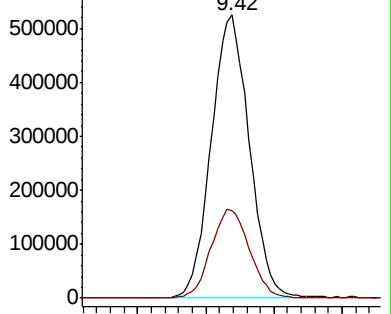
75 100

77 30.9 25.3 37.9



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: 10.574 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

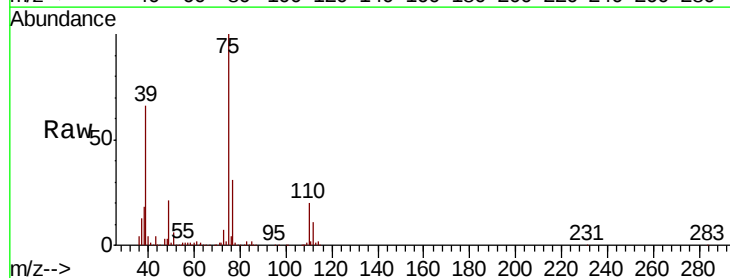
Tgt Ion: 75 Resp: 1152525

Ion Ratio Lower Upper

75 100

39 65.8 53.4 80.2

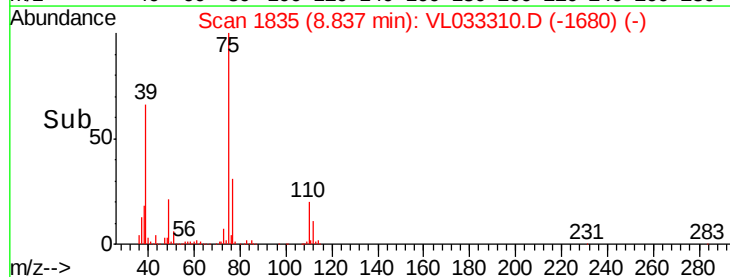
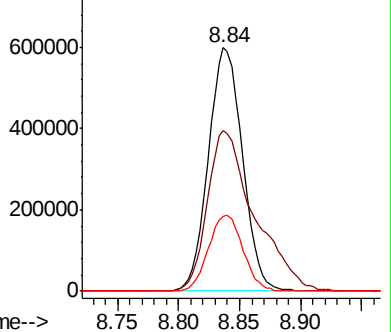
77 30.7 23.7 35.5

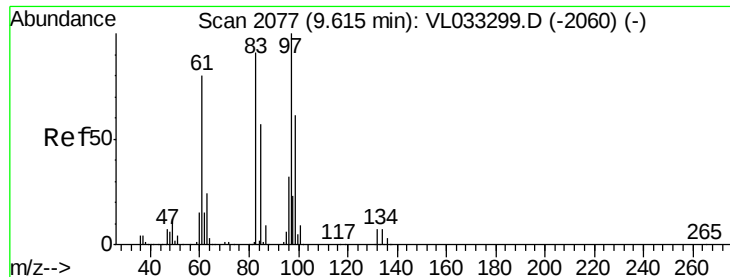


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 9.458 ppbv

RT: 9.62 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

Tgt Ion: 97 Resp: 753254

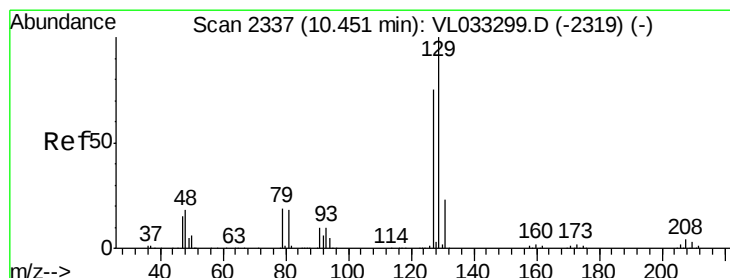
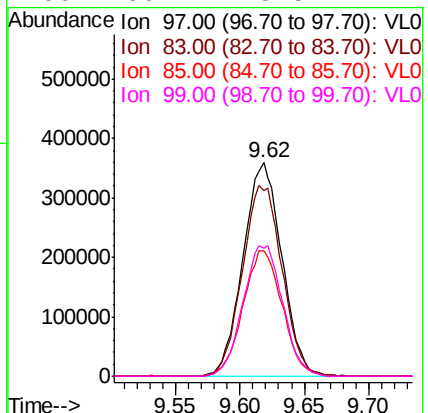
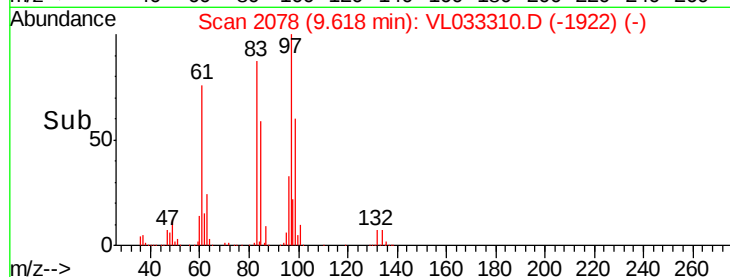
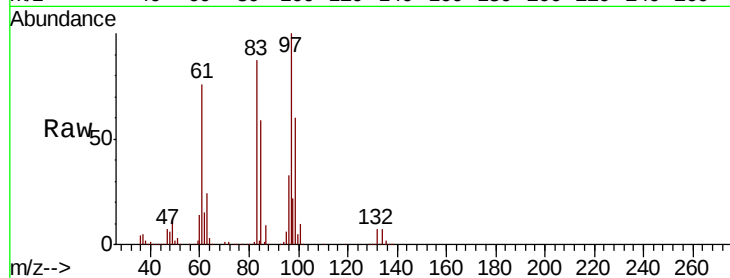
Ion Ratio Lower Upper

97 100

83 86.6 72.7 109.1

85 58.5 45.6 68.4

99 60.1 48.5 72.7



#48

Dibromochloromethane

Concen: 10.293 ppbv

RT: 10.45 min Scan# 2338

Delta R.T. 0.00 min

Lab File: VL033310.D

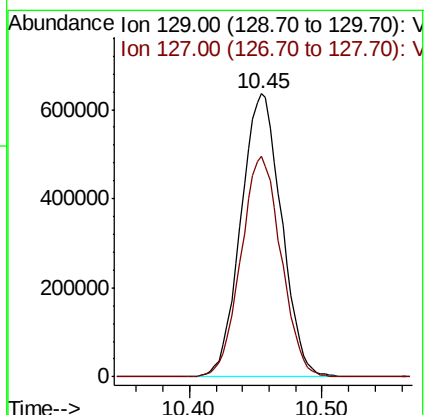
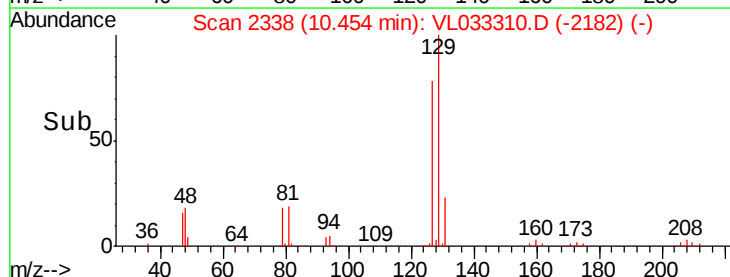
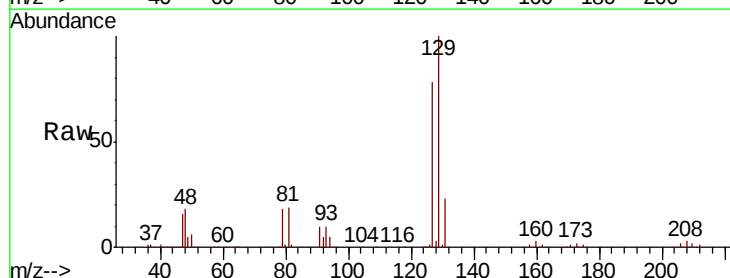
Acq: 14 Mar 2019 10:54

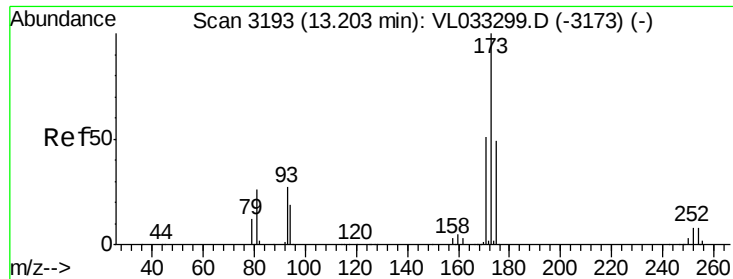
Tgt Ion: 129 Resp: 1348639

Ion Ratio Lower Upper

129 100

127 77.3 39.0 117.0





#49

Bromoform

Concen: 10.281 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

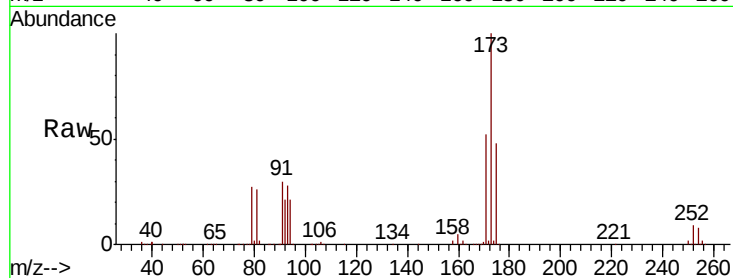
Tgt Ion:173 Resp: 1167059

Ion Ratio Lower Upper

173 100

175 48.4 38.6 58.0

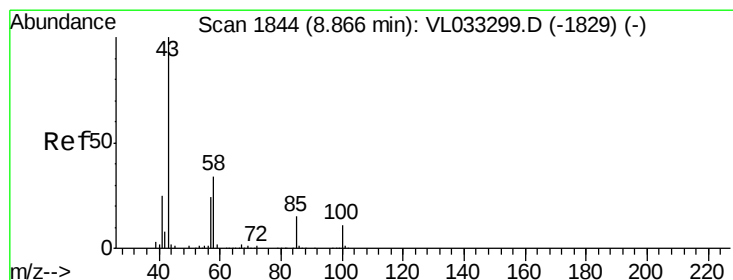
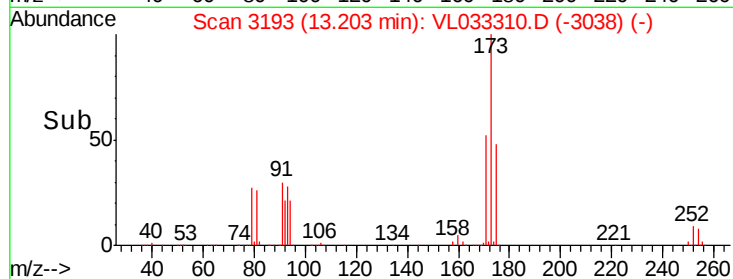
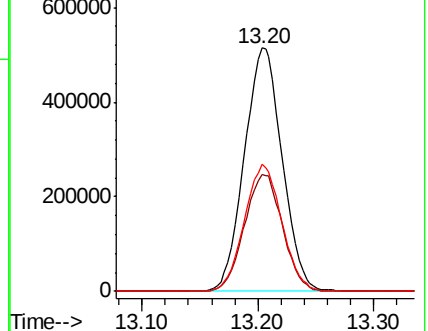
171 51.7 42.0 63.0



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: 9.497 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VL033310.D

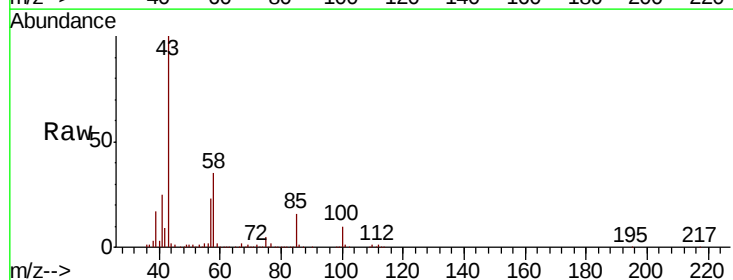
Acq: 14 Mar 2019 10:54

Tgt Ion: 43 Resp: 1876898

Ion Ratio Lower Upper

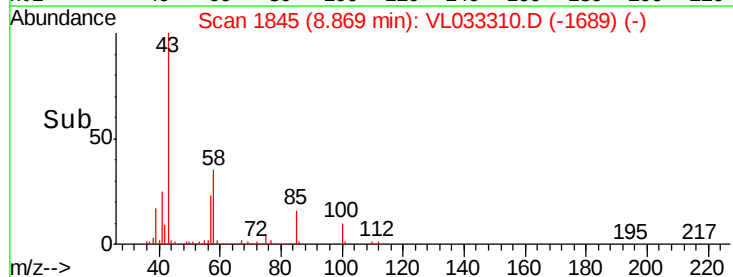
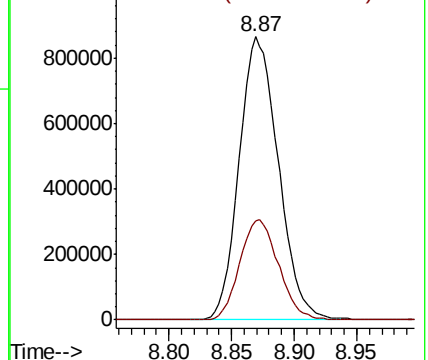
43 100

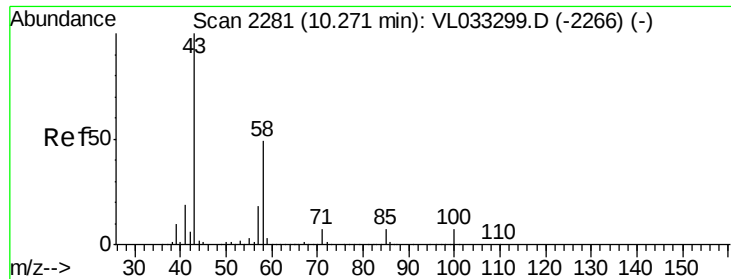
58 35.4 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

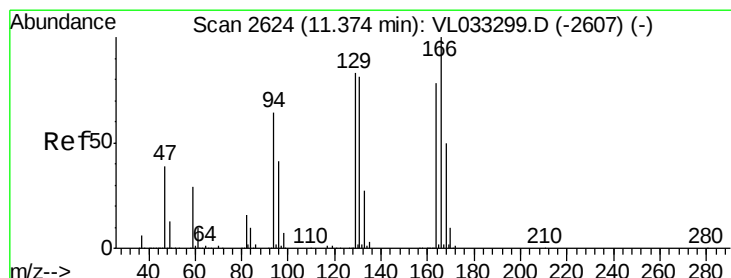
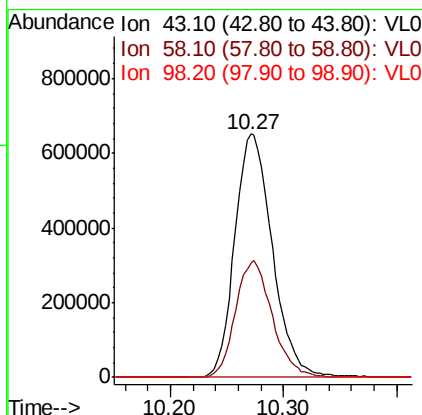
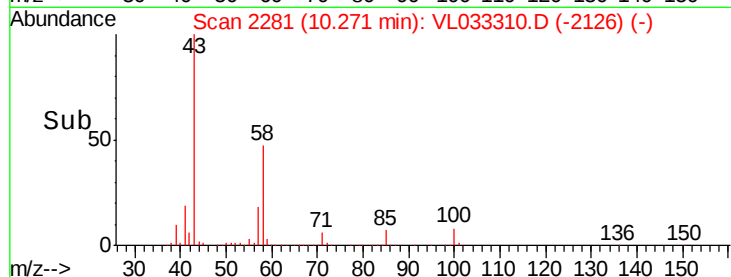
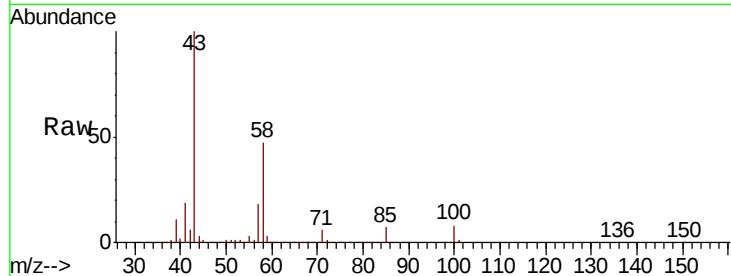




#51
2-Hexanone
Concen: 9.934 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

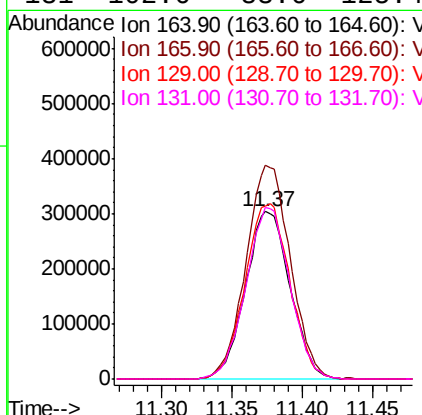
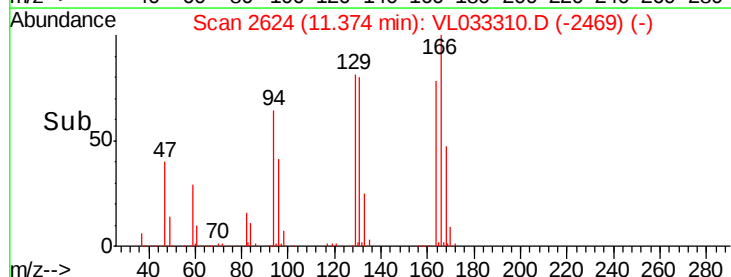
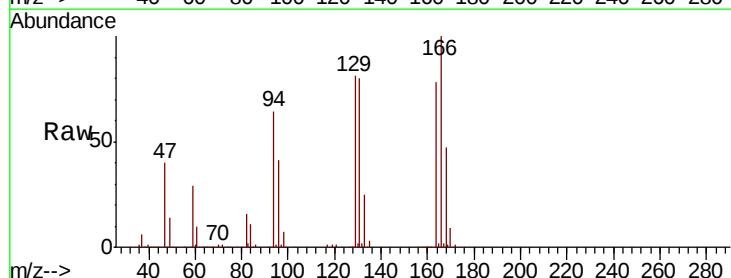
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

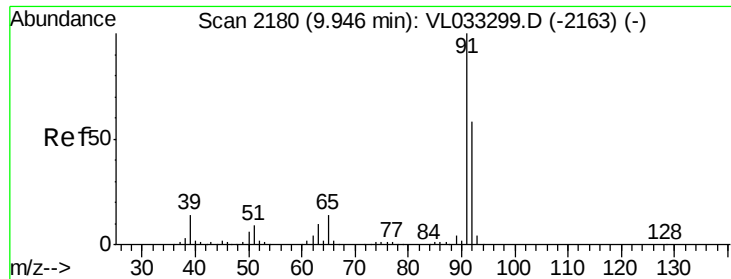
Tgt Ion: 43 Resp: 1498994
Ion Ratio Lower Upper
43 100
58 47.3 38.4 57.6
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 8.429 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion: 164 Resp: 670821
Ion Ratio Lower Upper
164 100
166 127.6 103.2 154.8
129 103.6 85.8 128.8
131 102.6 83.6 125.4





#53

Toluene

Concen: 9.858 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

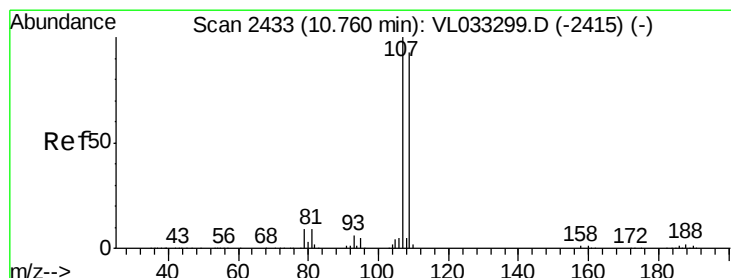
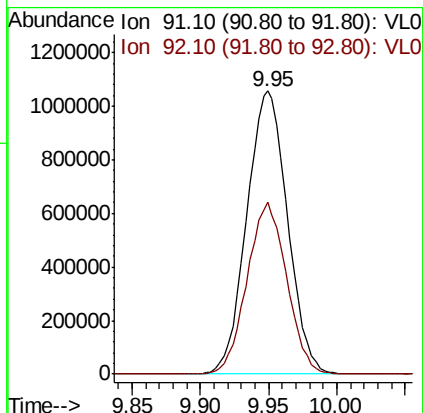
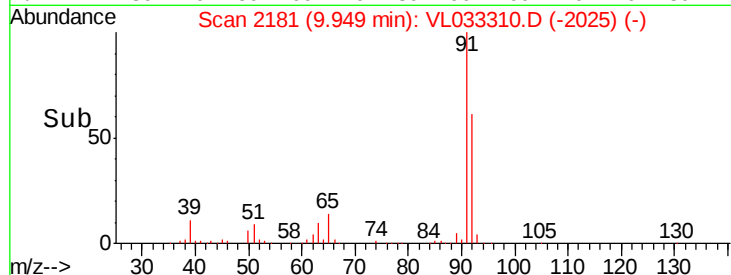
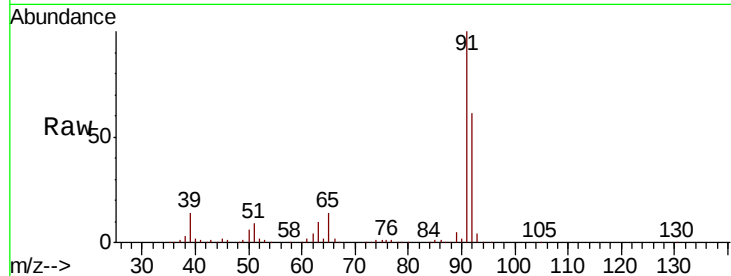
VL0313ABS02

Tgt Ion: 91 Resp: 2187113

Ion Ratio Lower Upper

91 100

92 59.2 47.4 71.2



#54

1,2-Dibromoethane

Concen: 9.525 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL033310.D

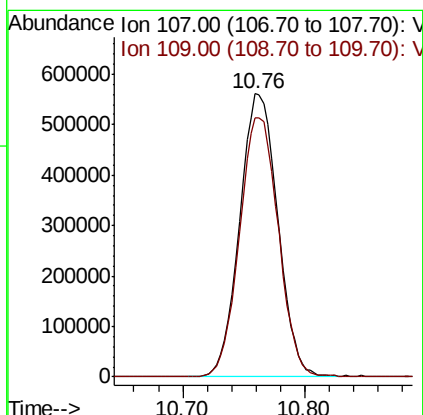
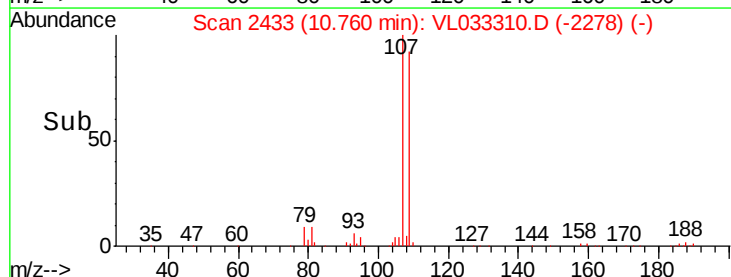
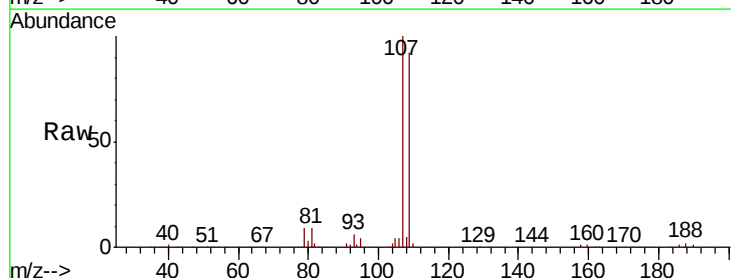
Acq: 14 Mar 2019 10:54

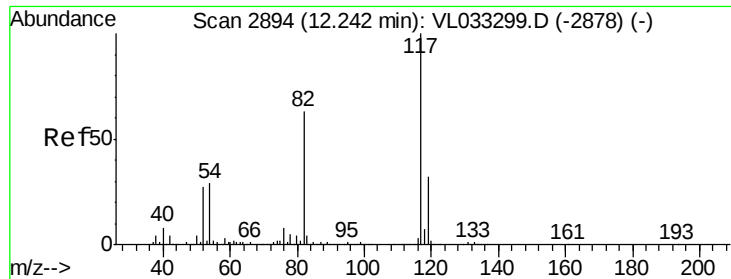
Tgt Ion: 107 Resp: 1211019

Ion Ratio Lower Upper

107 100

109 91.5 74.3 111.5

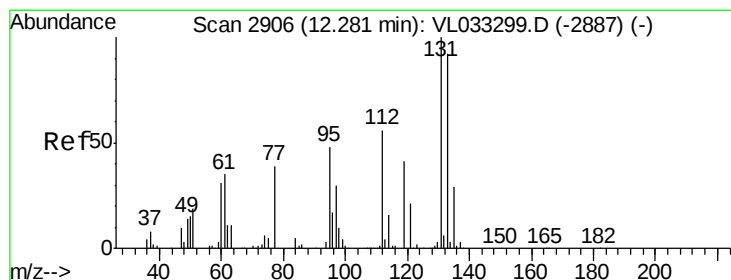
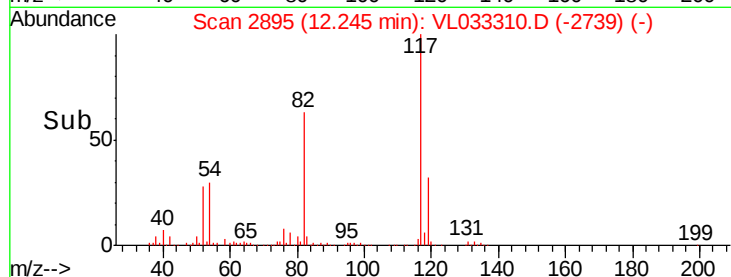
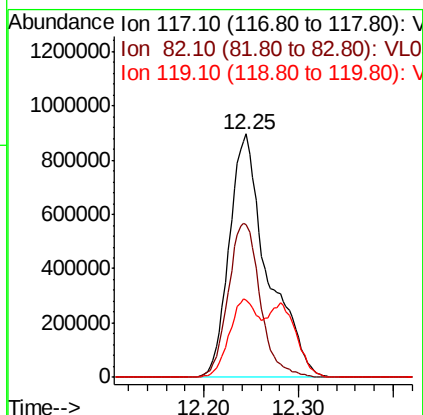
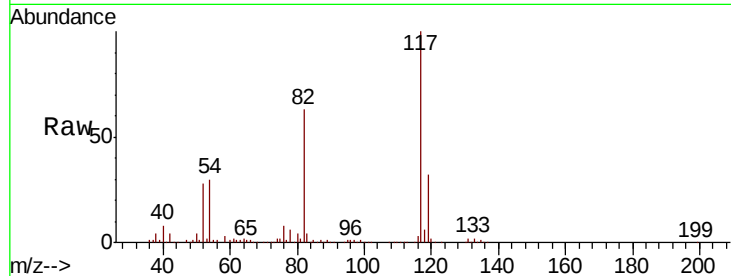




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

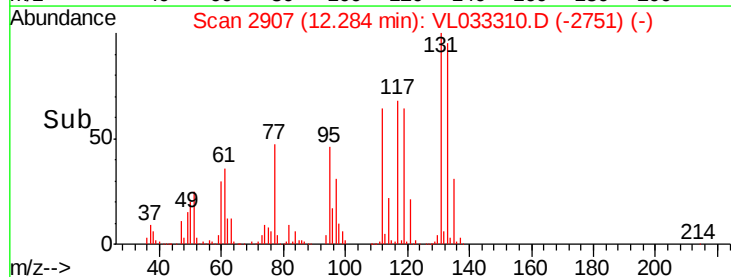
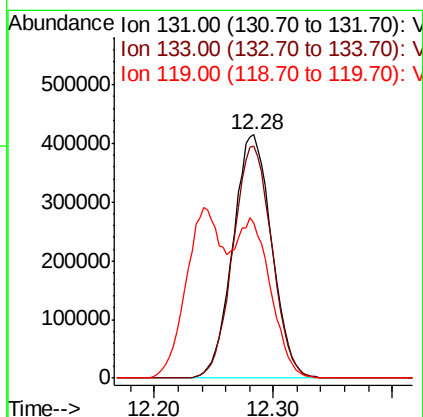
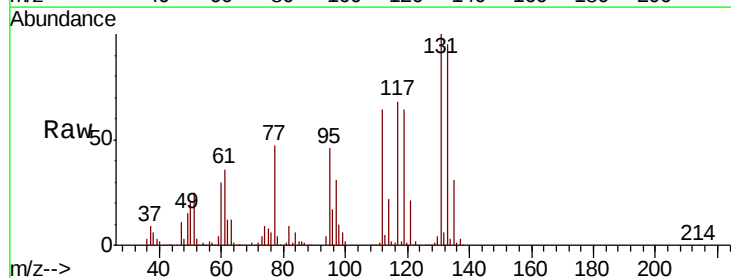
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

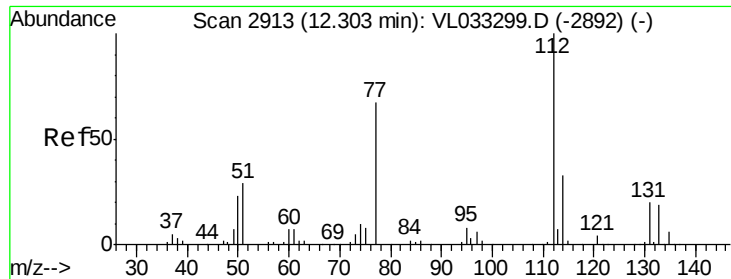
Tgt Ion:117 Resp: 2518739
Ion Ratio Lower Upper
117 100
82 53.3 51.3 76.9
119 24.3 27.0 40.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.298 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion:131 Resp: 937749
Ion Ratio Lower Upper
131 100
133 95.6 75.3 112.9
119 58.1 45.0 67.4

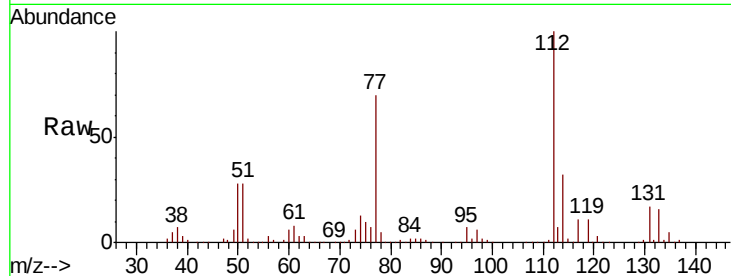




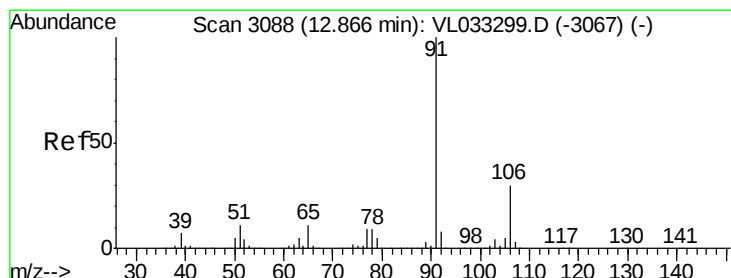
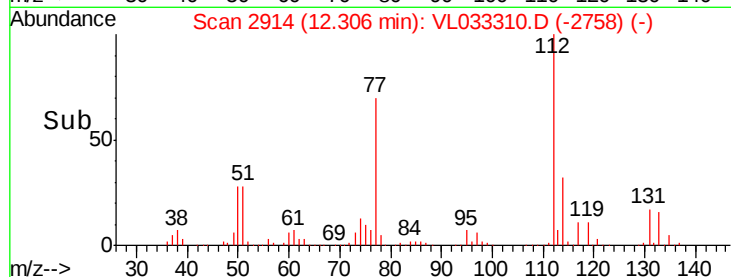
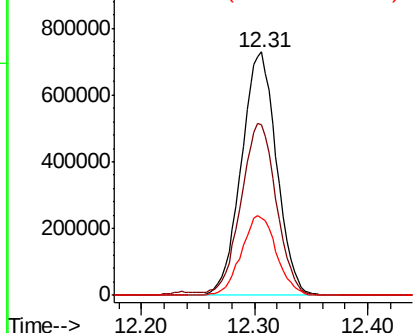
#57
Chlorobenzene
Concen: 7.760 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

Tgt Ion: 112 Resp: 1578051
Ion Ratio Lower Upper
112 100
77 70.3 54.7 82.1
114 31.6 29.6 36.2

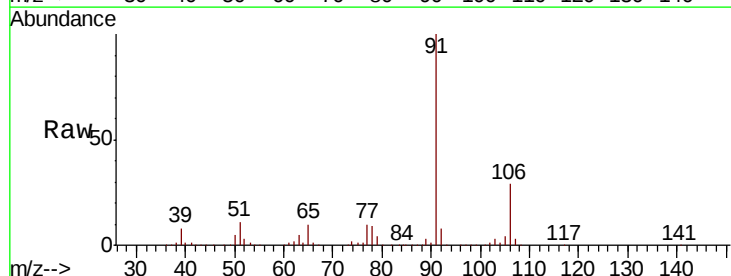


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

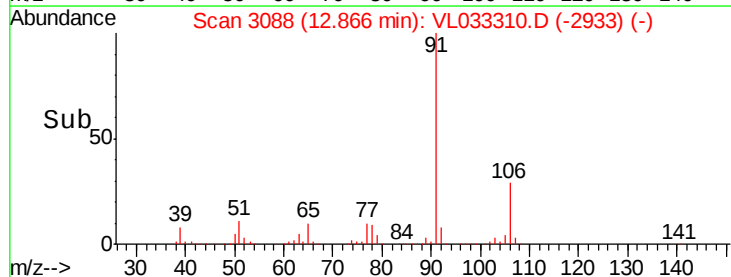
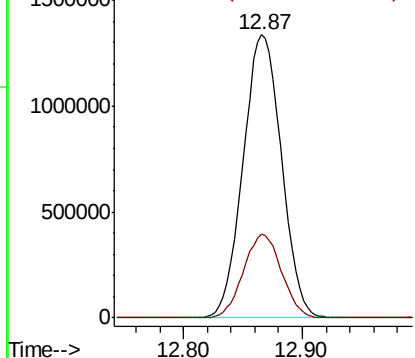


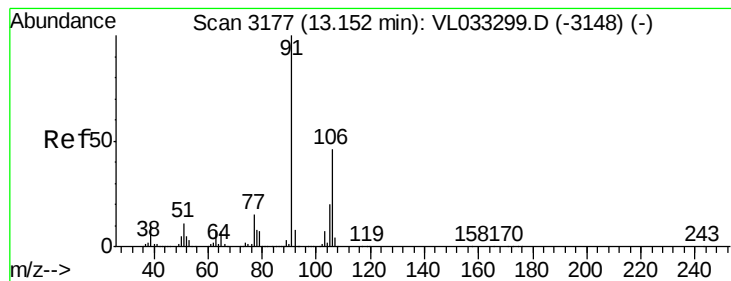
#58
Ethyl Benzene
Concen: 8.252 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion: 91 Resp: 2983718
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.313 ppbv

RT: 13.15 min Scan# 3178

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

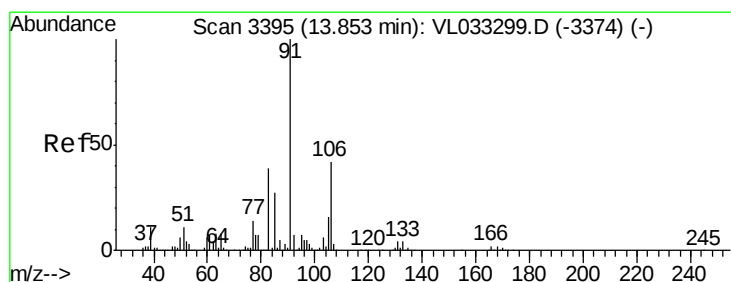
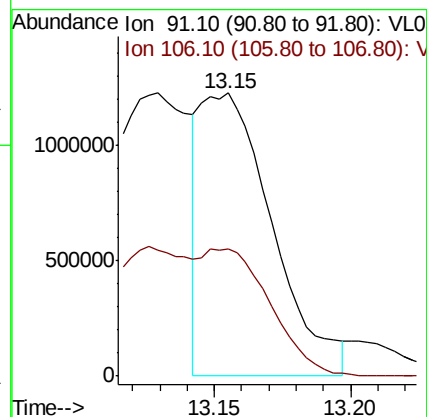
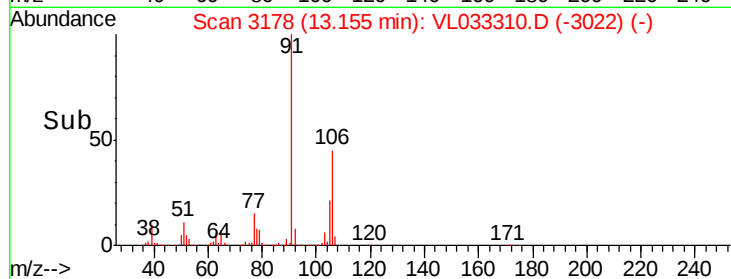
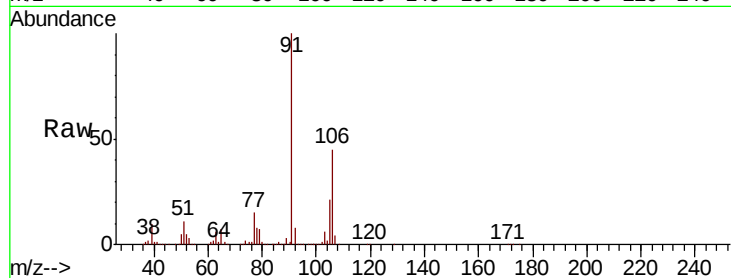
VL0313ABS02

Tgt Ion: 91 Resp: 2223339

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 8.240 ppbv

RT: 13.85 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL033310.D

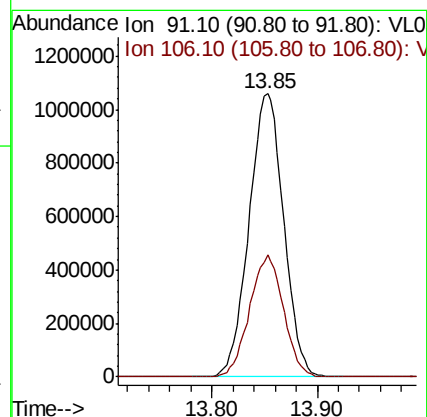
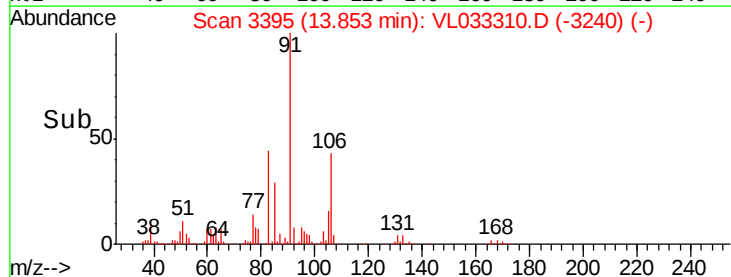
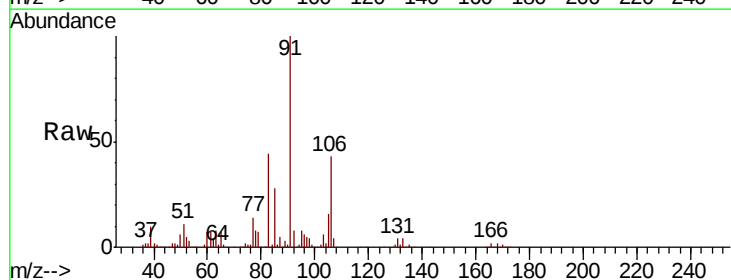
Acq: 14 Mar 2019 10:54

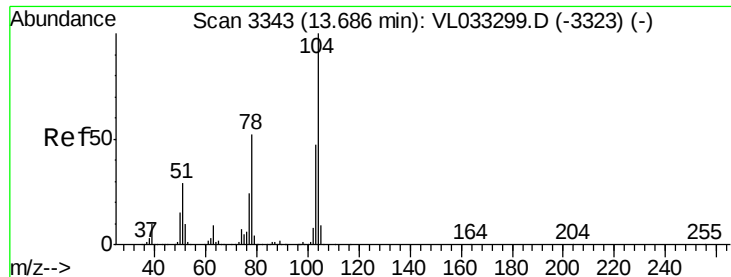
Tgt Ion: 91 Resp: 2416358

Ion Ratio Lower Upper

91 100

106 42.3 21.4 64.3

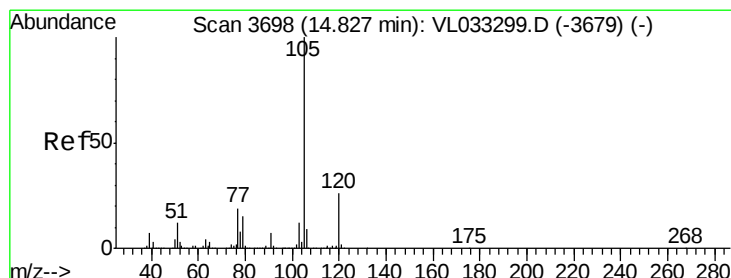
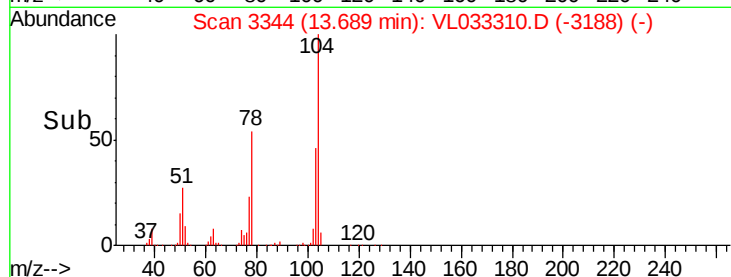
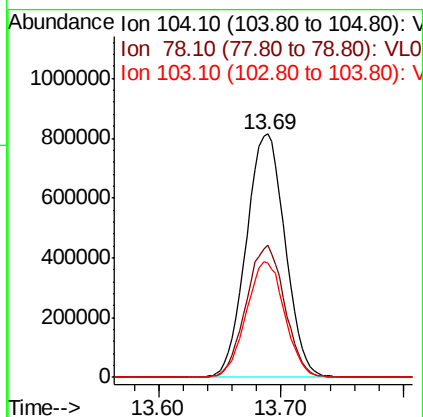
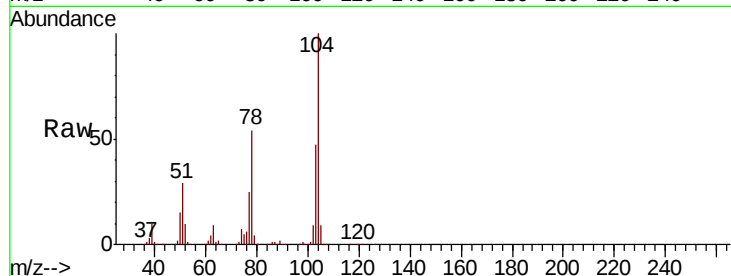




#61
Styrene
Concen: 8.707 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

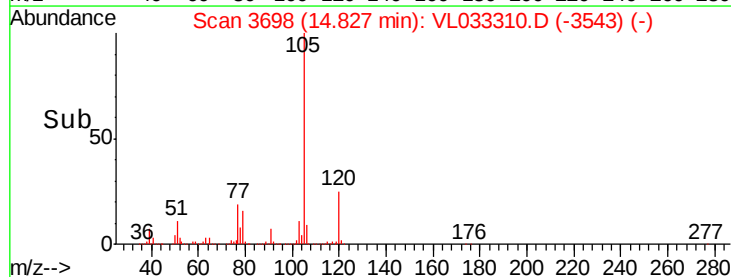
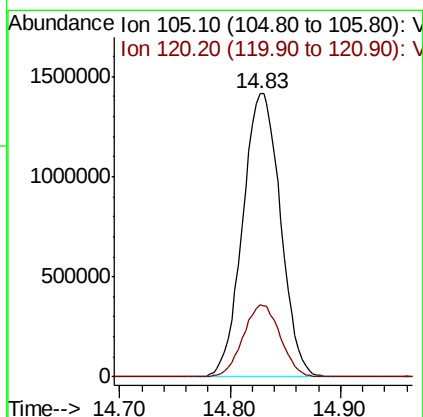
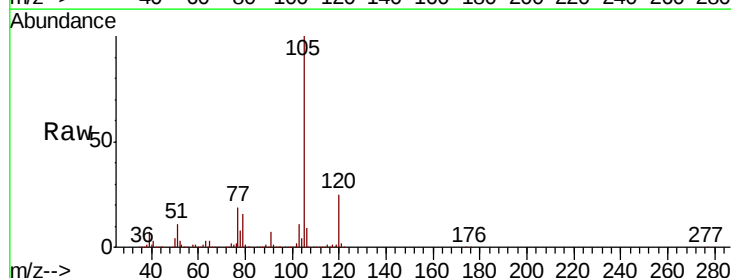
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

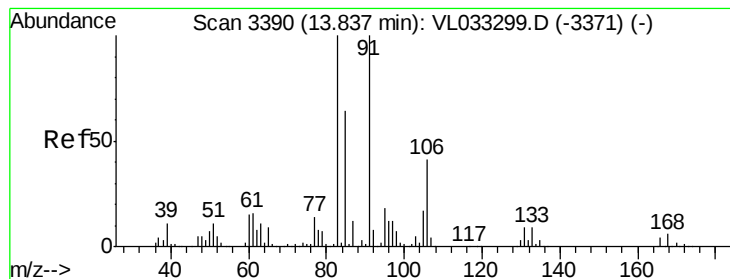
Tgt Ion:104 Resp: 1791881
Ion Ratio Lower Upper
104 100
78 53.9 43.3 64.9
103 46.8 38.2 57.2



#62
Isopropylbenzene
Concen: 8.146 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion:105 Resp: 3360602
Ion Ratio Lower Upper
105 100
120 25.1 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 7.805 ppbv

RT: 13.84 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

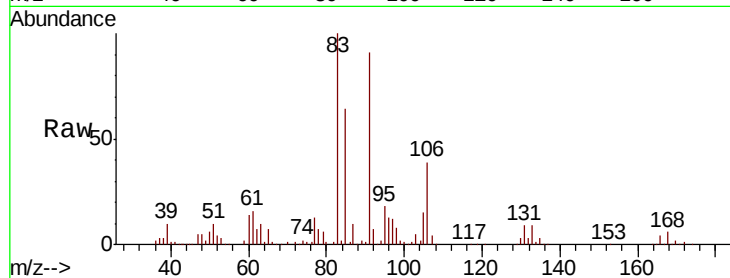
Tgt Ion: 83 Resp: 1649748

Ion Ratio Lower Upper

83 100

131 9.1 4.6 13.8

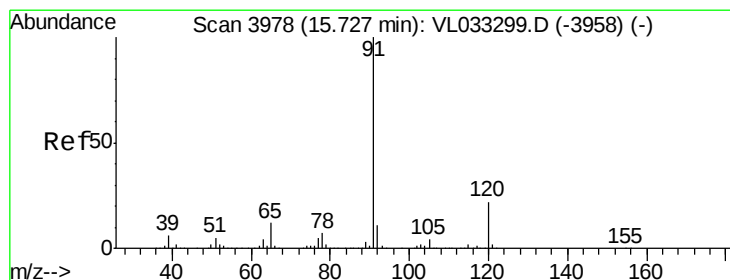
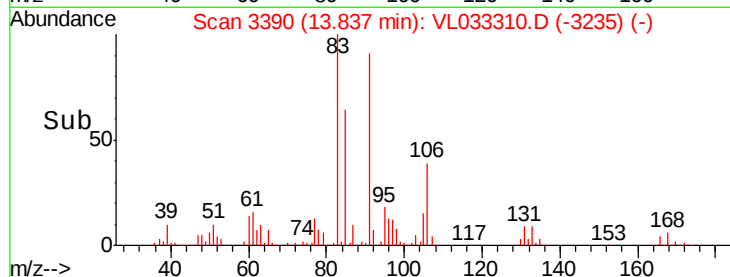
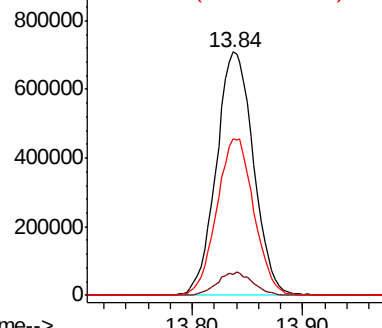
85 64.6 32.5 97.4



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: 8.220 ppbv

RT: 15.73 min Scan# 3978

Delta R.T. -0.00 min

Lab File: VL033310.D

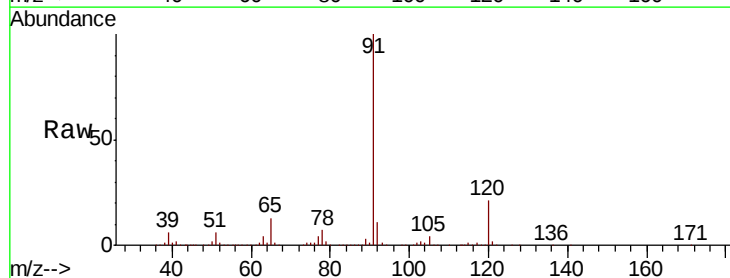
Acq: 14 Mar 2019 10:54

Tgt Ion: 120 Resp: 840939

Ion Ratio Lower Upper

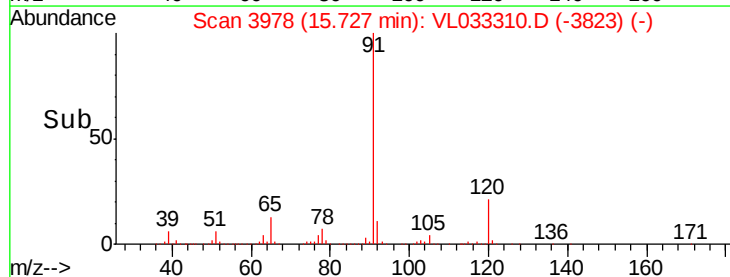
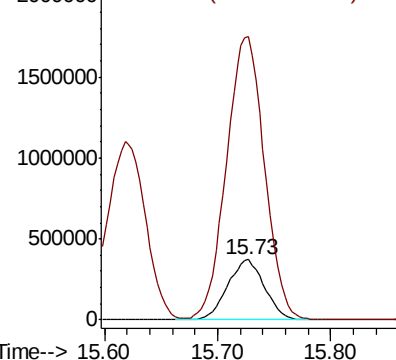
120 100

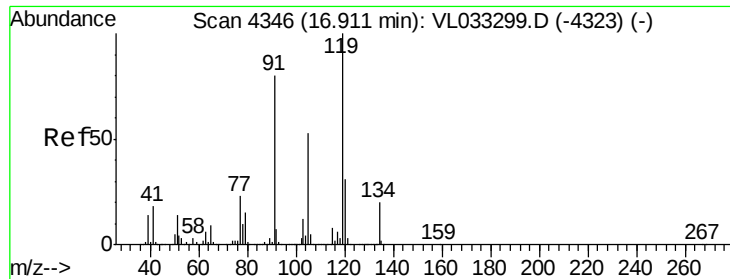
91 488.0 393.7 590.5



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

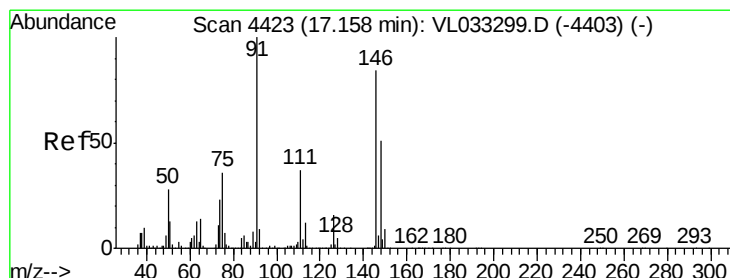
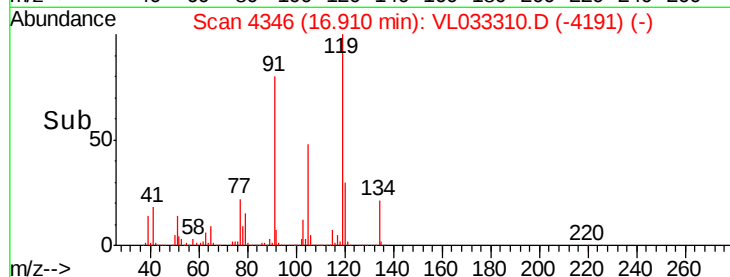
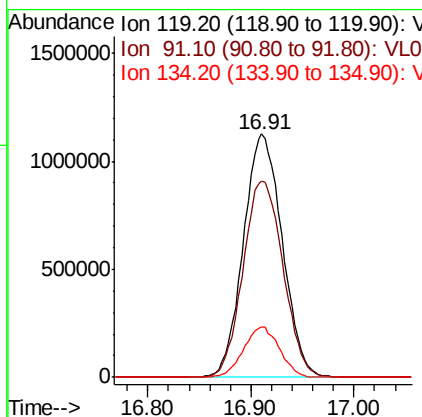
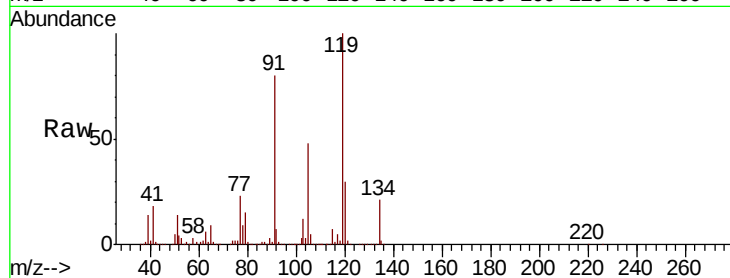




#65
tert-Butylbenzene
Concen: 8.437 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

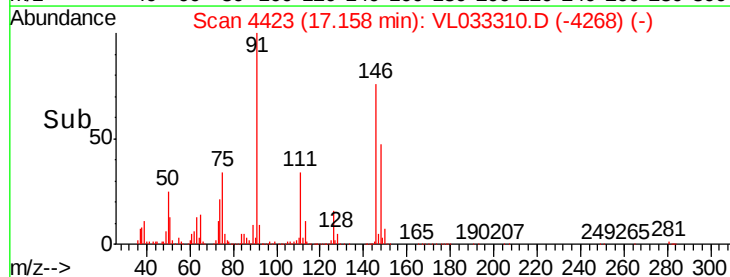
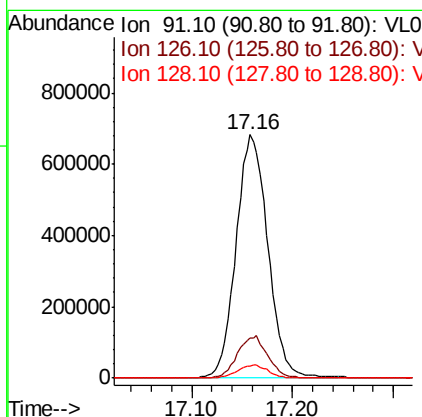
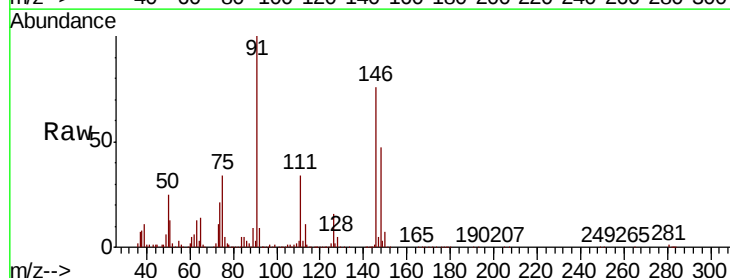
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

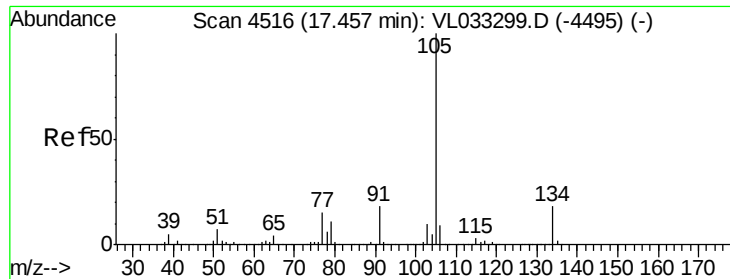
Tgt Ion: 119 Resp: 2941803
Ion Ratio Lower Upper
119 100
91 83.5 66.4 99.6
134 19.3 15.4 23.2



#66
Benzyl Chloride
Concen: 10.727 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion: 91 Resp: 1488258
Ion Ratio Lower Upper
91 100
126 16.6 12.9 19.3
128 5.3 4.2 6.2

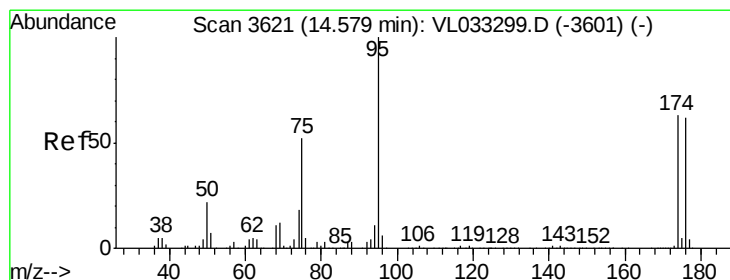
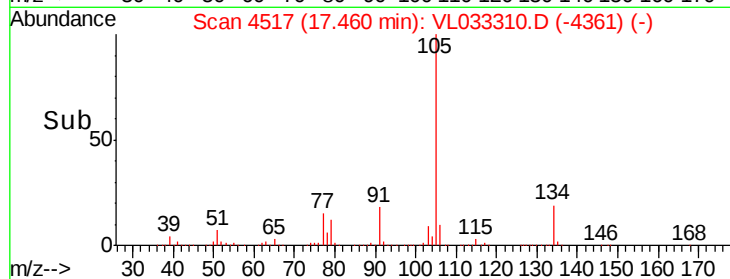
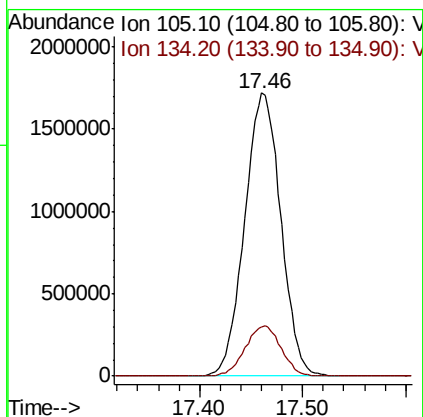
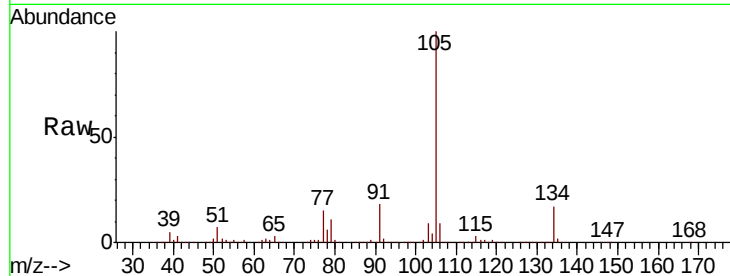




#67
 sec-Butylbenzene
 Concen: 8.336 ppbv
 RT: 17.46 min Scan# 4517
 Delta R.T. 0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

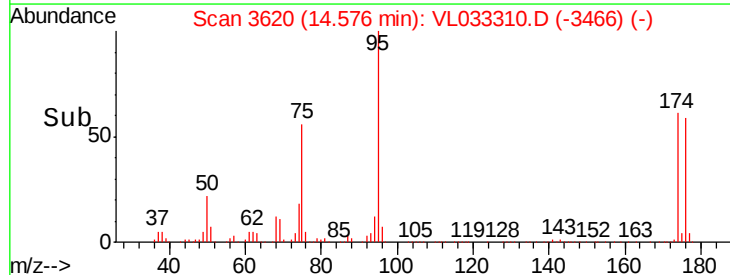
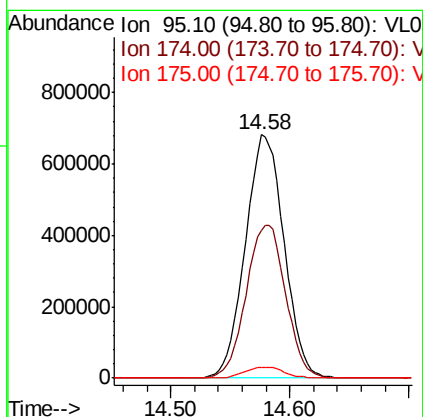
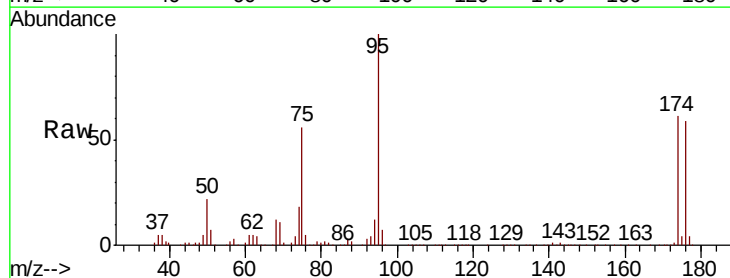
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

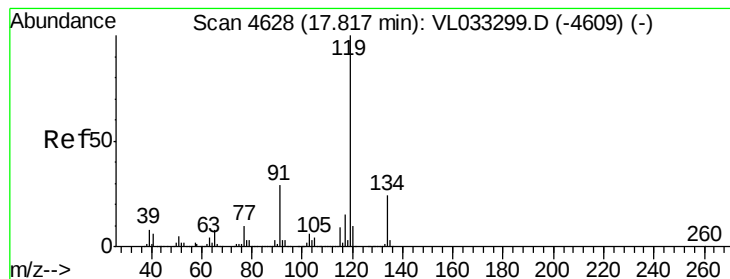
Tgt Ion: 105 Resp: 4179076
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.2 21.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.994 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion: 95 Resp: 1537693
 Ion Ratio Lower Upper
 95 100
 174 64.2 51.9 77.9
 175 4.7 3.9 5.9





#69

p-Isopropyltoluene

Concen: 8.615 ppbv

RT: 17.82 min Scan# 4628

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

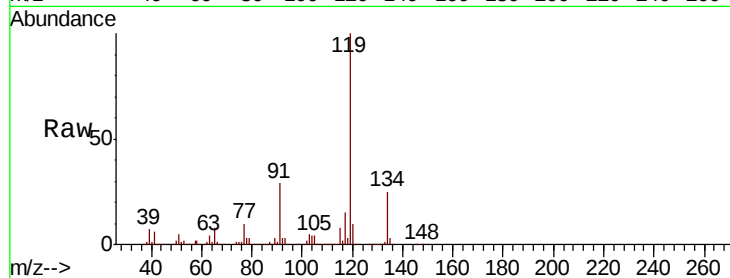
Tgt Ion: 119 Resp: 3450701

Ion Ratio Lower Upper

119 100

134 24.8 19.8 29.6

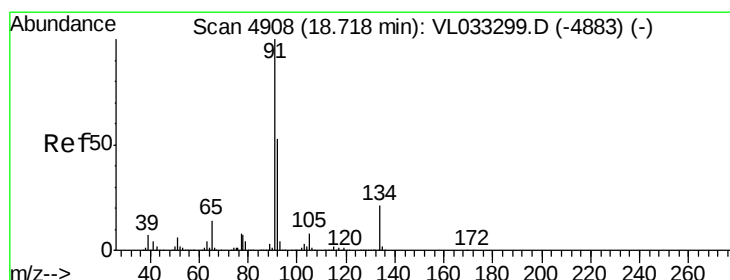
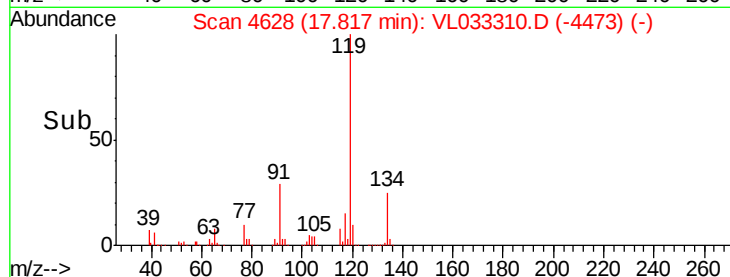
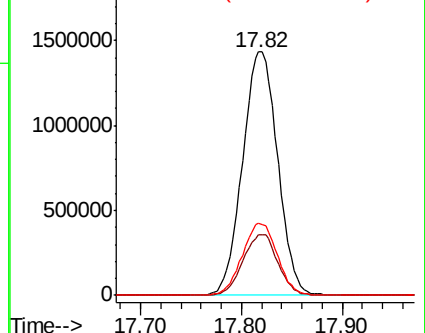
91 29.6 23.8 35.8



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: 8.719 ppbv

RT: 18.72 min Scan# 4908

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

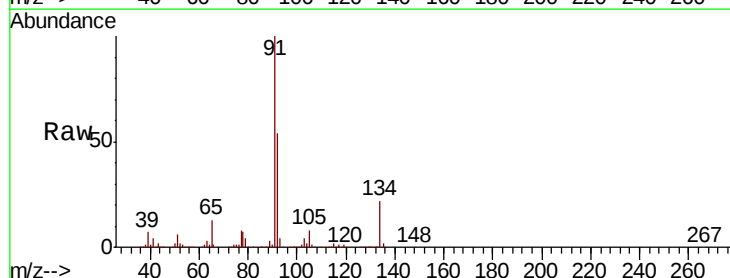
Tgt Ion: 91 Resp: 3651381

Ion Ratio Lower Upper

91 100

92 53.2 42.6 63.8

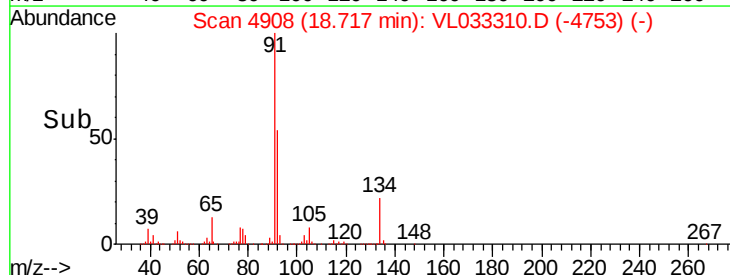
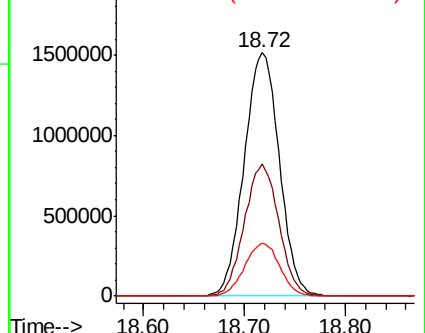
134 21.8 17.4 26.0

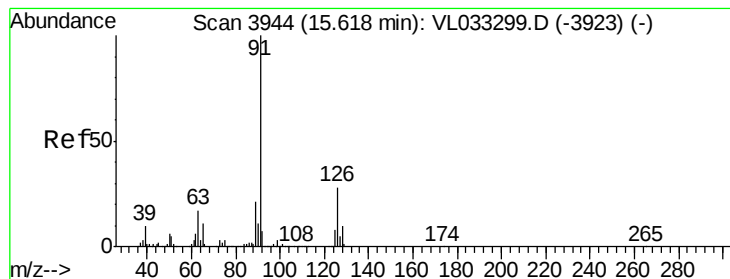


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

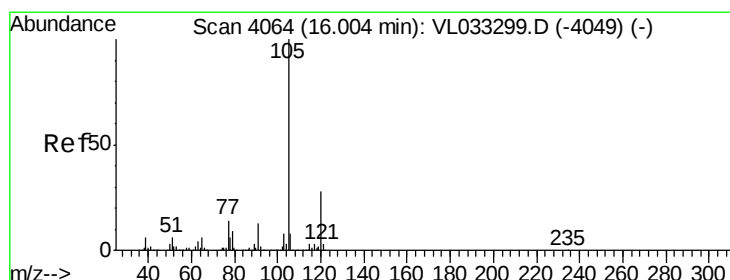
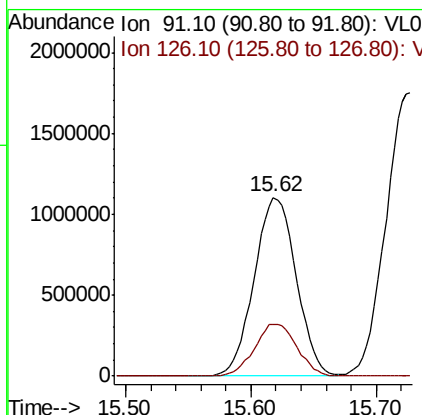
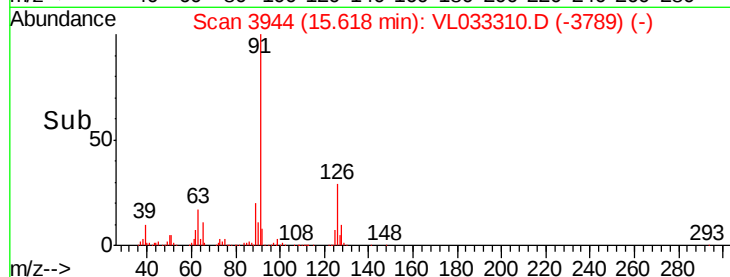
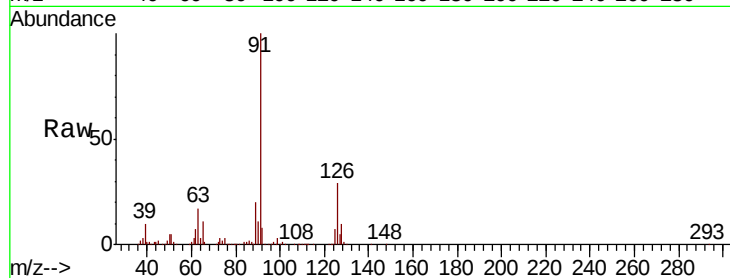




#71
 2-Chlorotoluene
 Concen: 8.326 ppbv
 RT: 15.62 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

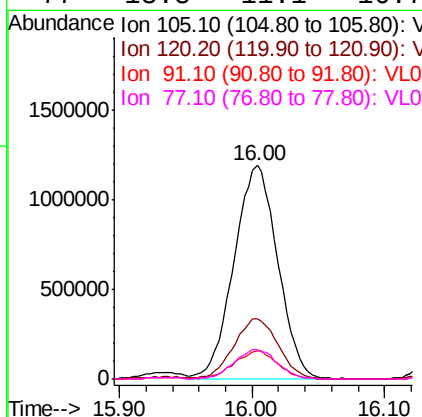
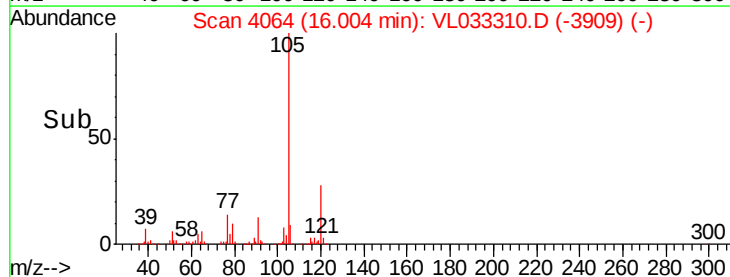
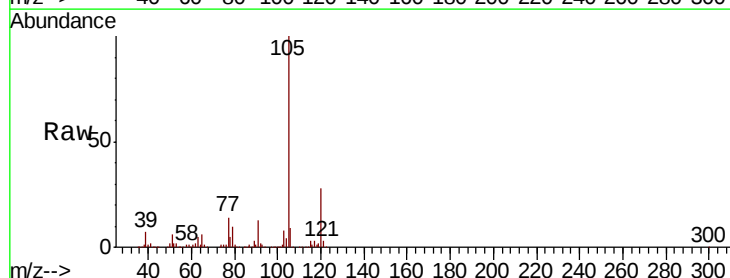
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

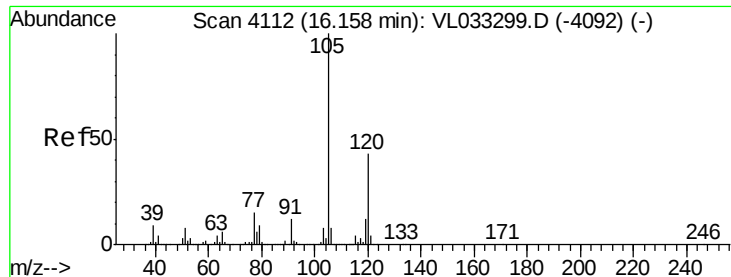
Tgt Ion: 91 Resp: 2572757
 Ion Ratio Lower Upper
 91 100
 126 29.4 11.8 47.0



#72
 4-Ethyltoluene
 Concen: 8.675 ppbv
 RT: 16.00 min Scan# 4064
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion: 105 Resp: 2725251
 Ion Ratio Lower Upper
 105 100
 120 28.5 22.7 34.1
 91 12.9 10.3 15.5
 77 13.8 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.927 ppbv

RT: 16.16 min Scan# 4113

Delta R.T. 0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

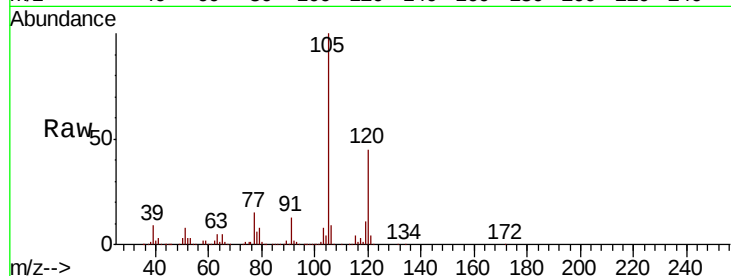
VL0313ABS02

Tgt Ion:105 Resp: 2636643

Ion Ratio Lower Upper

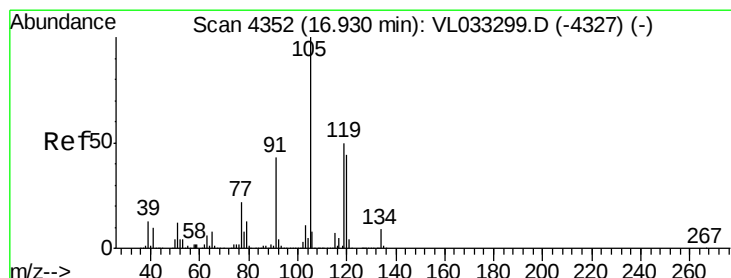
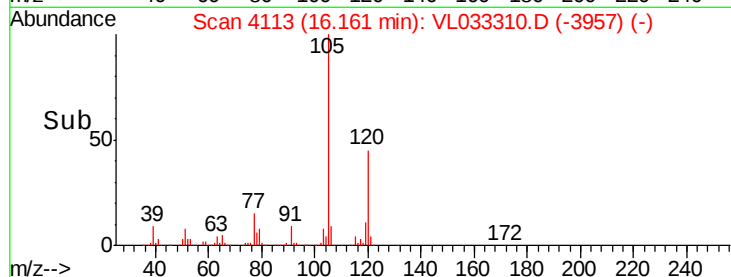
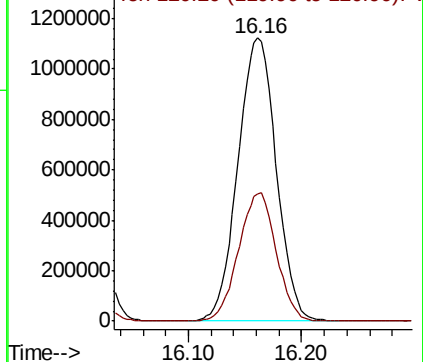
105 100

120 45.2 34.6 52.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.880 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Tgt Ion:105 Resp: 2676597

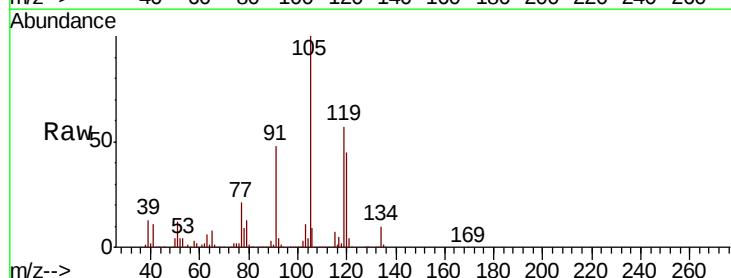
Ion Ratio Lower Upper

105 100

120 45.2 35.2 52.8

91 47.4 34.0 51.0

77 21.2 17.4 26.2

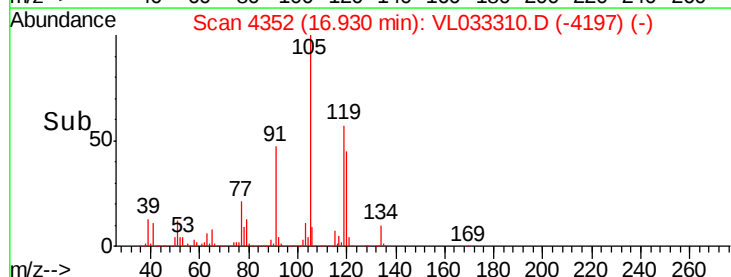
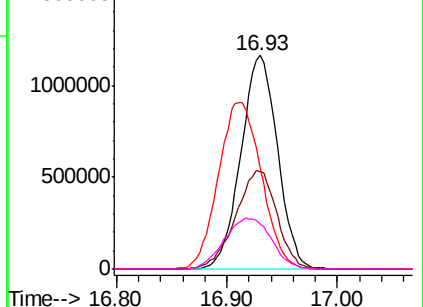


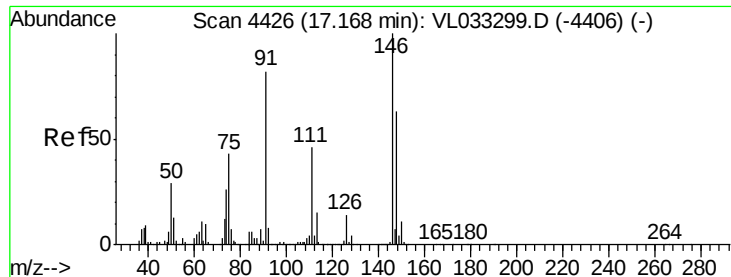
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

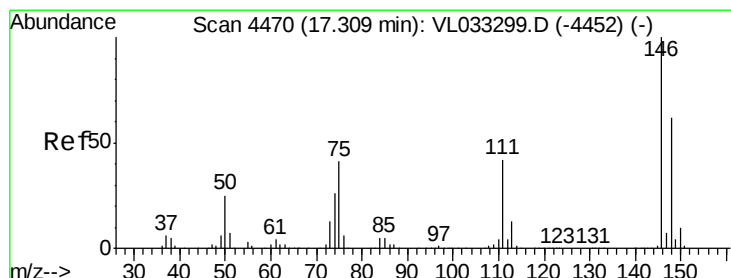
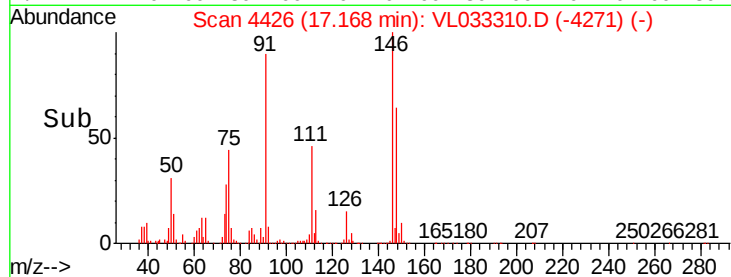
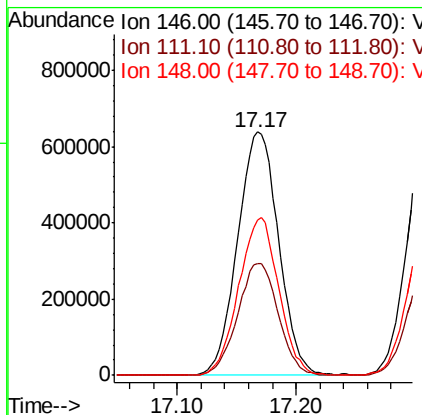
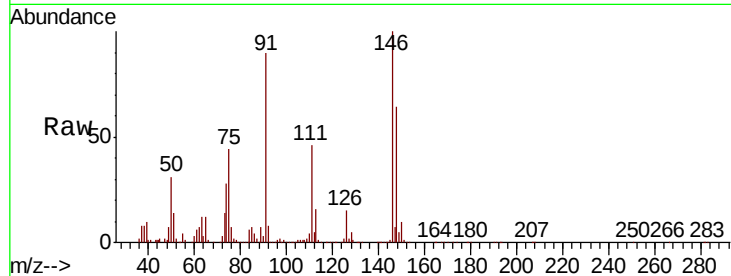




#75
 1,3-Dichlorobenzene
 Concen: 8.068 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

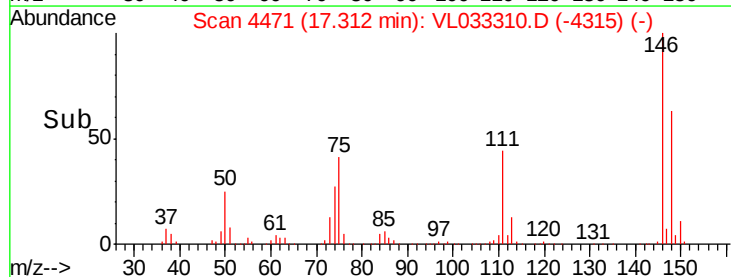
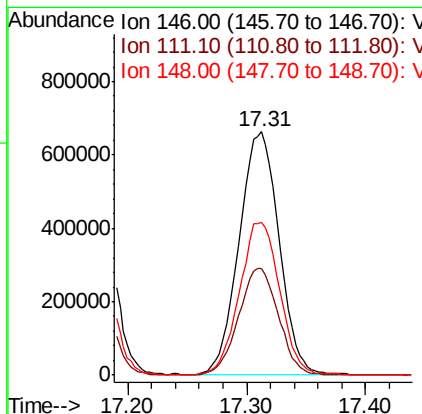
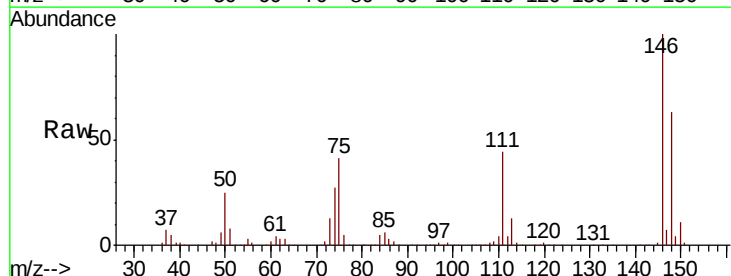
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

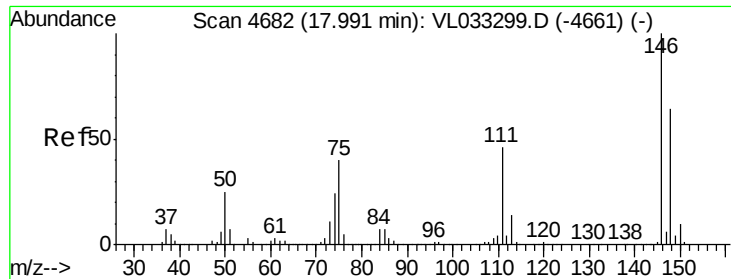
Tgt Ion:146 Resp: 1522245
 Ion Ratio Lower Upper
 146 100
 111 45.6 22.9 68.7
 148 63.2 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 8.332 ppbv
 RT: 17.31 min Scan# 4471
 Delta R.T. 0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Tgt Ion:146 Resp: 1535119
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.9 65.5
 148 63.9 31.8 95.4





#77

1,2-Dichlorobenzene

Concen: 8.128 ppbv

RT: 17.99 min Scan# 4682

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS02

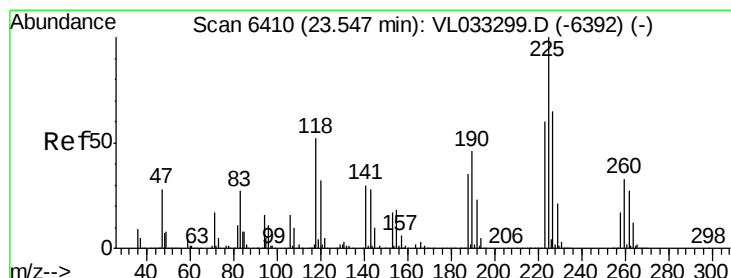
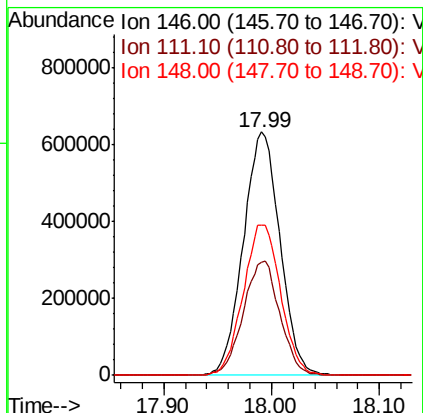
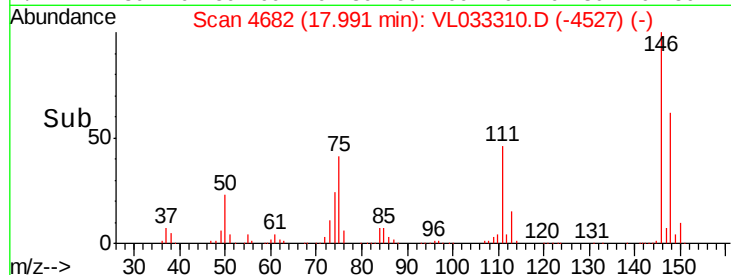
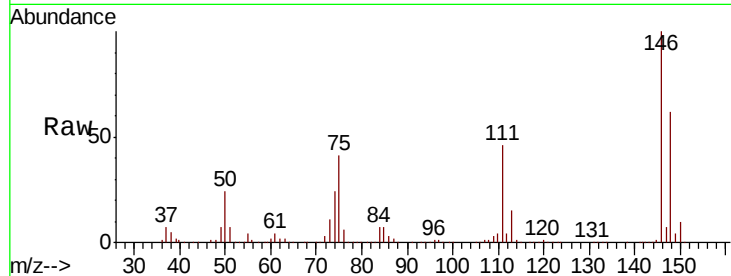
Tgt Ion:146 Resp: 1492965

Ion Ratio Lower Upper

146 100

111 46.8 23.2 69.6

148 63.2 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 6.327 ppbv

RT: 23.55 min Scan# 6410

Delta R.T. -0.00 min

Lab File: VL033310.D

Acq: 14 Mar 2019 10:54

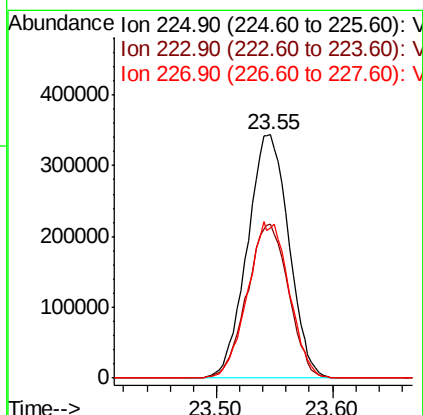
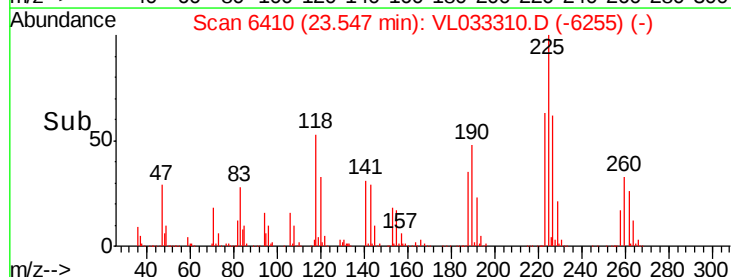
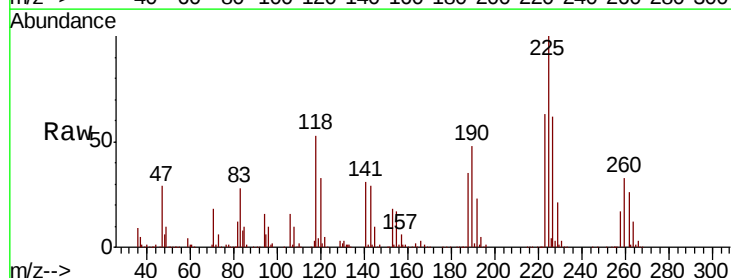
Tgt Ion:225 Resp: 857152

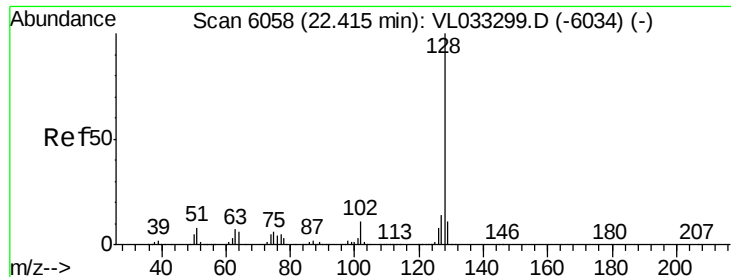
Ion Ratio Lower Upper

225 100

223 63.2 50.3 75.5

227 64.0 51.2 76.8

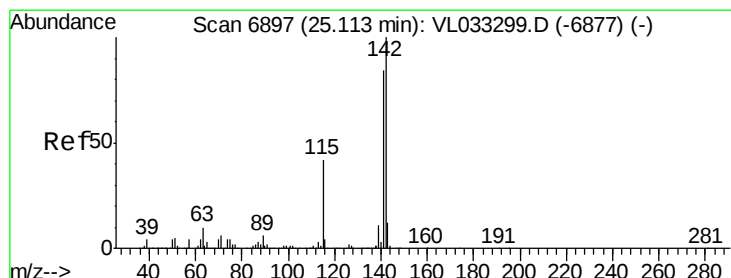
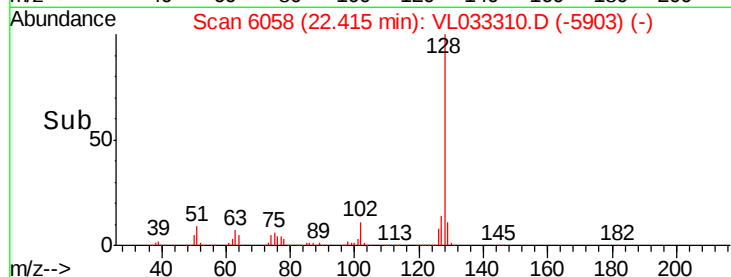
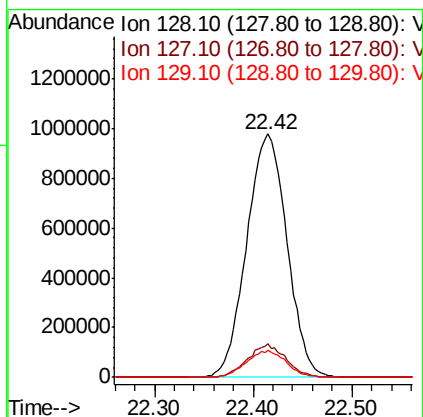
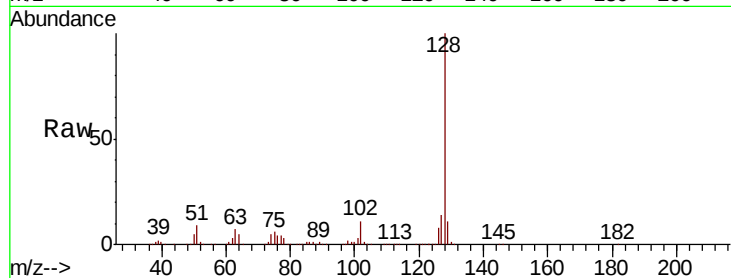




#79
Naphthalene
Concen: 11.138 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

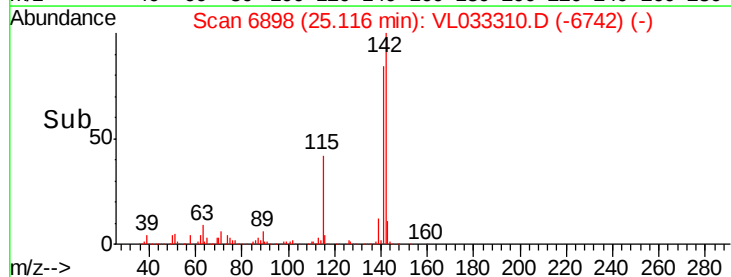
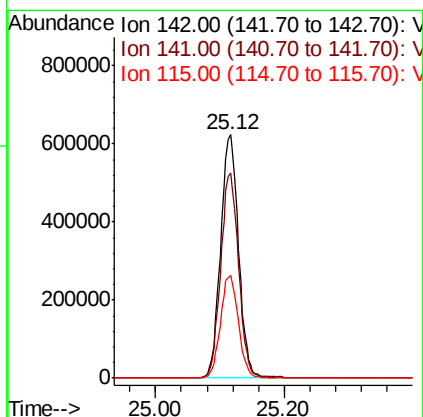
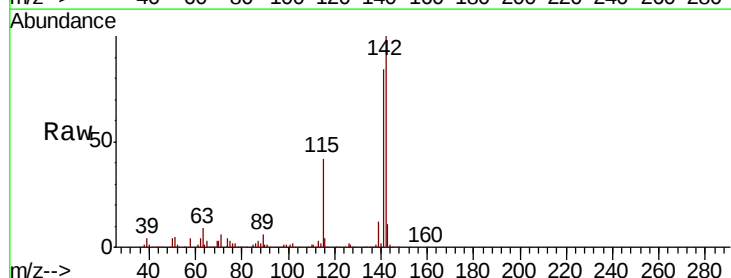
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS02

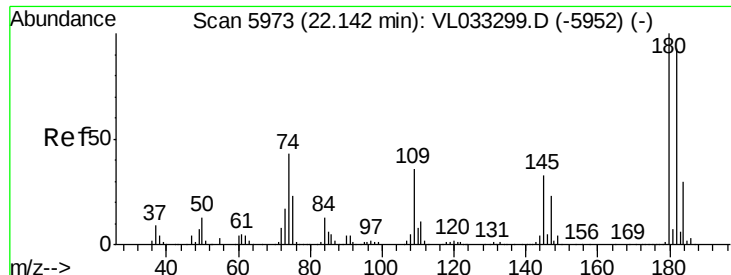
Tgt Ion:128 Resp: 2758172
Ion Ratio Lower Upper
128 100
127 13.6 10.8 16.2
129 11.0 8.9 13.3



#80
Naphthalene, 2-methyl-
Concen: 17.344 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.00 min
Lab File: VL033310.D
Acq: 14 Mar 2019 10:54

Tgt Ion:142 Resp: 1202926
Ion Ratio Lower Upper
142 100
141 83.9 67.2 100.8
115 42.2 33.6 50.4





#81
 1,2,4-Trichlorobenzene
 Concen: 9.696 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.00 min
 Lab File: VL033310.D
 Acq: 14 Mar 2019 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS02

Tgt Ion:180 Resp: 1365336
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.4 114.6
 184 30.7 24.6 36.8

