

Data File : VL032260.D
Acq On : 18 Jul 2018 10:00
Operator : SY/AP
Sample : VSTDIC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Jul 18 12:37:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18 09:58:24 2018
QLast Update : Wed Jul 18 09:58:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1762808	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3870172	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4410288	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.67 95 3479406 10.19 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 101.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.13	85	626654	2.469	ppbv	99
3) Chlorodifluoromethane	3.06	51	413075	1.907	ppbv	100
4) Chloromethane	3.22	50	233988	1.899	ppbv	98
5) Vinyl Chloride	3.34	62	225481	1.857	ppbv	97
6) Bromomethane	3.57	94	125281	1.854	ppbv	100
7) Chloroethane	3.66	64	83770	2.004	ppbv	94
8) Dichlorotetrafluoroethane	3.27	85	508535	1.824	ppbv	100
9) Propene	3.09	41	182889	1.980	ppbv	99
10) Heptane	8.33	43	541859	2.066	ppbv	99
11) Trichlorofluoromethane	4.07	101	487800	2.009	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.62	101	314084	2.025	ppbv	98
13) Ethanol	3.71	45	41244	1.547	ppbv	81
14) Bromoethene	3.85	108	142134	1.943	ppbv	100
15) Acetone	3.97	43	387151	1.893	ppbv	100
16) 1,3-Butadiene	3.41	39	211344	2.045	ppbv	98
17) tert-Butyl alcohol	4.43	59	117744	1.233	ppbv	99
18) 1,1-Dichloroethene	4.42	96	151083	2.093	ppbv	96
19) Isopropyl Alcohol	4.09	45	238915	1.779	ppbv #	98
20) Methylene Chloride	4.47	84	153371	2.212	ppbv	94
21) Allyl Chloride	4.55	41	253215	2.114	ppbv	99
22) trans-1,2-Dichloroethene	5.04	96	152604	2.222	ppbv	99
23) Vinyl Acetate	5.22	43	686267	2.017	ppbv	99
24) 1,1-Dichloroethane	5.16	63	508347	2.128	ppbv	99
25) Ethyl Acetate	5.85	43	845040	2.087	ppbv	99
26) Hexane	5.86	57	401174	2.173	ppbv	96
27) Carbon Disulfide	4.69	76	341547	2.067	ppbv	96
28) Methyl tert-Butyl Ether	5.19	73	583582	2.008	ppbv	99
29) Chloroform	5.92	83	569026	1.996	ppbv	99
30) Cyclohexane	7.33	84	322451	1.979	ppbv	88
31) cis-1,2-Dichloroethene	5.71	61	368726	2.001	ppbv	98
32) 1,1,1-Trichloroethane	6.70	97	590918	2.136	ppbv	99
34) 2-Butanone	5.41	43	564263	2.140	ppbv	100
35) Carbon Tetrachloride	7.22	117	565726	2.160	ppbv	98
36) Benzene	7.09	78	837908	2.178	ppbv	99
37) 1,2-Dichloroethane	6.49	62	472328	2.243	ppbv	100
38) Trichloroethene	8.04	130	270727	2.052	ppbv	93
39) 1,2-Dichloropropane	7.82	63	317292	2.076	ppbv	98
40) 1,4-Dioxane	8.06	88	85354	1.628	ppbv #	1
41) Tetrahydrofuran	6.23	42	331155	2.244	ppbv	99
42) Bromodichloromethane	8.00	83	607013	2.024	ppbv	99
43) Methyl Methacrylate	8.22	69	317838	2.138	ppbv	98

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18 09:58:24 2018
QLast Update : Wed Jul 18 09:58:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.07	57	1426294	2.156	ppbv	98
45) t-1,3-Dichloropropene	9.50	75	417692	2.360	ppbv	97
46) cis-1,3-Dichloropropene	8.92	75	465900	1.930	ppbv	98
47) 1,1,2-Trichloroethane	9.70	97	324742	1.902	ppbv	96
48) Dibromochloromethane	10.54	129	535759	2.109	ppbv	99
49) Bromoform	13.30	173	450474	2.212	ppbv	99
50) 4-Methyl-2-Pentanone	8.96	43	880529	1.930	ppbv	99
51) 2-Hexanone	10.37	43	431990	1.134	ppbv #	50
52) Tetrachloroethene	11.46	164	273181	1.922	ppbv	97
53) Toluene	10.03	91	1022968	2.250	ppbv	99
54) 1,2-Dibromoethane	10.85	107	541991	2.150	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.37	131	425408	2.221	ppbv #	1
57) Chlorobenzene	12.40	112	779033	2.090	ppbv	97
58) Ethyl Benzene	12.95	91	1338708	2.085	ppbv	99
59) m/p-Xylene	13.24	91	861488	1.630	ppbv #	1
60) o-Xylene	13.94	91	1187195	2.277	ppbv	100
61) Styrene	13.78	104	827117	2.117	ppbv	99
62) Isopropylbenzene	14.92	105	1639326	2.242	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.93	83	919625	2.168	ppbv	99
64) n-propylbenzene	15.81	120	429789	2.322	ppbv	88
65) tert-Butylbenzene	17.00	119	1471192	2.402	ppbv	98
66) Benzyl Chloride	17.25	91	781355	2.521	ppbv	100
67) sec-Butylbenzene	17.55	105	2215525	2.476	ppbv	99
69) p-Isopropyltoluene	17.91	119	1715230	2.462	ppbv	100
70) n-Butylbenzene	18.80	91	1906411	2.477	ppbv	99
71) 2-Chlorotoluene	15.71	91	1371109	2.383	ppbv	99
72) 4-Ethyltoluene	16.09	105	1362939	2.330	ppbv	99
73) 1,3,5-Trimethylbenzene	16.25	105	1338100	2.460	ppbv	99
74) 1,2,4-Trimethylbenzene	17.02	105	1423556	2.559	ppbv	97
75) 1,3-Dichlorobenzene	17.25	146	763529	2.301	ppbv	98
76) 1,4-Dichlorobenzene	17.40	146	745115	2.293	ppbv	99
77) 1,2-Dichlorobenzene	18.08	146	445721	1.351	ppbv #	49
78) Hexachloro-1,3-Butadiene	23.63	225	244209	2.376	ppbv	97
79) Naphthalene	22.52	128	1285532	3.442	ppbv	98
80) Naphthalene,2-methyl-	25.19	142	577857	4.844	ppbv	99
81) 1,2,4-Trichlorobenzene	22.25	180	607984	3.253	ppbv	99

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

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ClientSampleId :
VSTDICC002

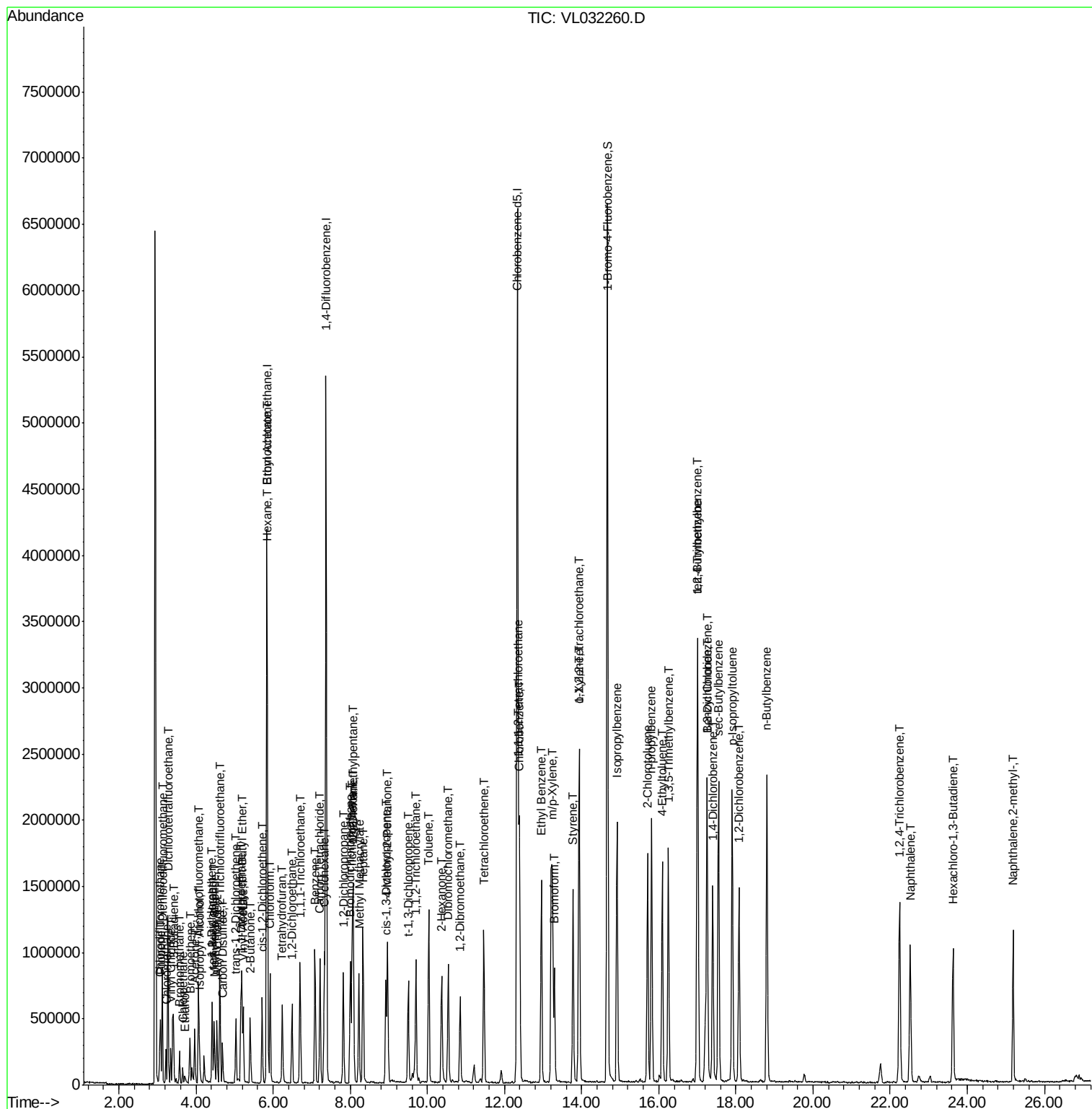
Quant Time: Jul 18 12:37:07 2018

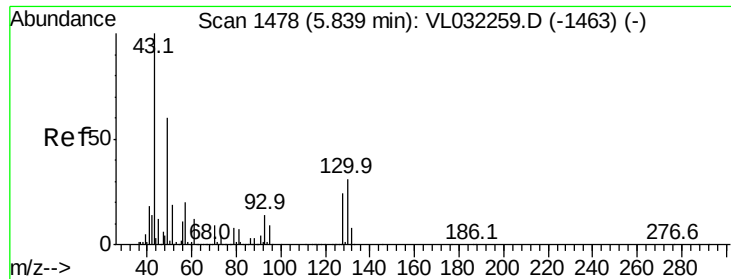
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL071818AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Jul 18 09:58:24 2018

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1478

Delta R.T. -0.00 min

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Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

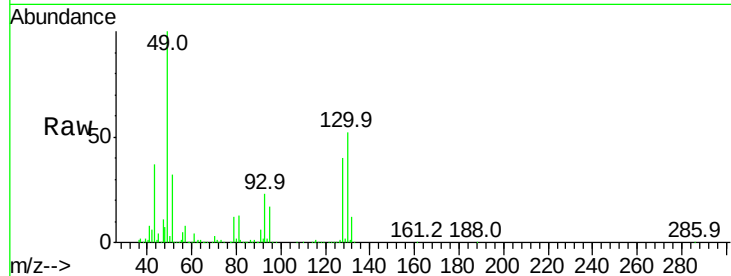
Tgt Ion: 49 Resp: 1762808

Ion Ratio Lower Upper

49 100

128 40.5 20.1 60.2

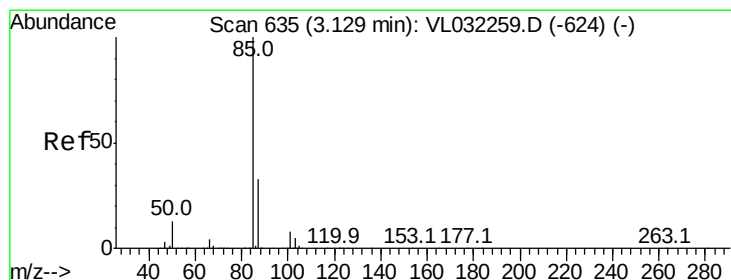
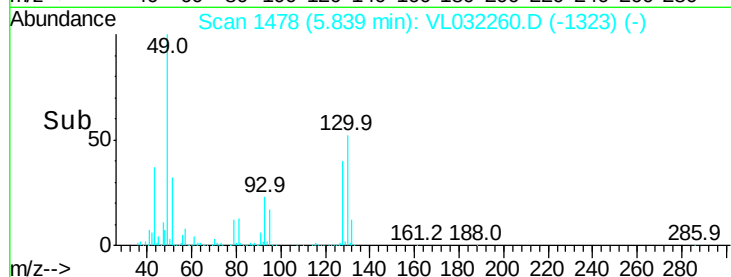
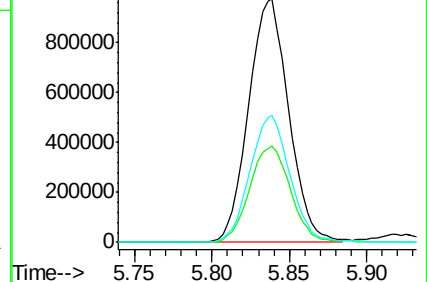
130 52.6 25.9 77.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 2.469 ppbv

RT: 3.13 min Scan# 635

Delta R.T. -0.00 min

Lab File: VL032260.D

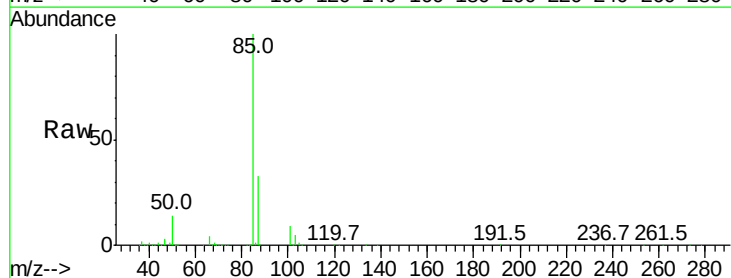
Acq: 18 Jul 2018 10:00

Tgt Ion: 85 Resp: 626654

Ion Ratio Lower Upper

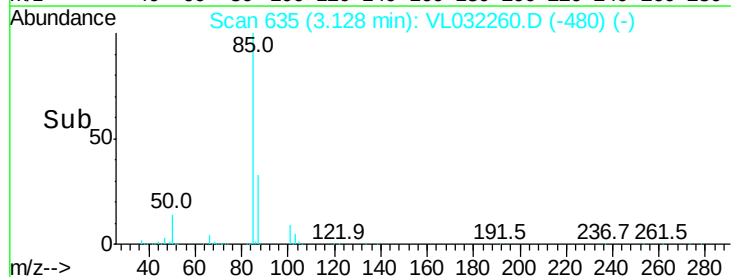
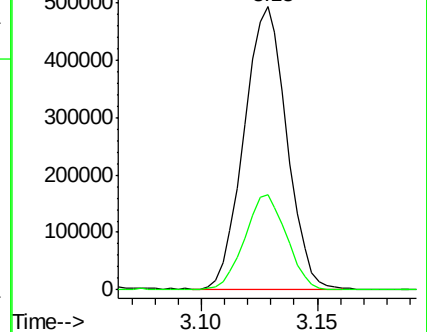
85 100

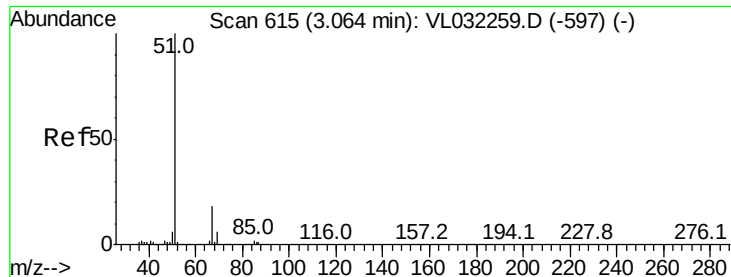
87 33.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.907 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

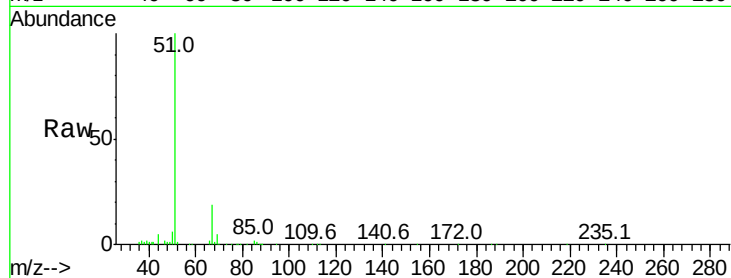
VSTDIC002

Tgt Ion: 51 Resp: 413075

Ion Ratio Lower Upper

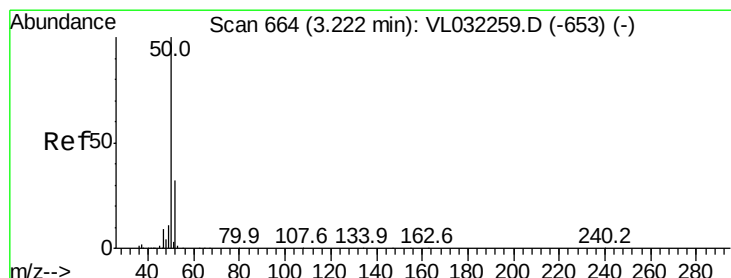
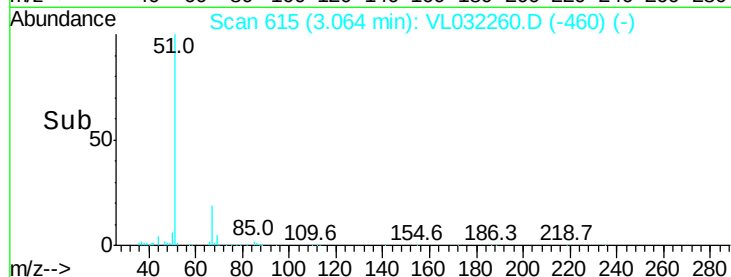
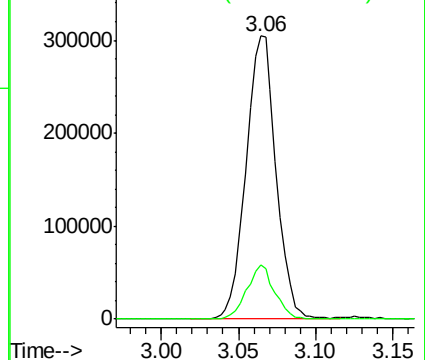
51 100

67 17.8 14.2 21.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.899 ppbv

RT: 3.22 min Scan# 665

Delta R.T. 0.00 min

Lab File: VL032260.D

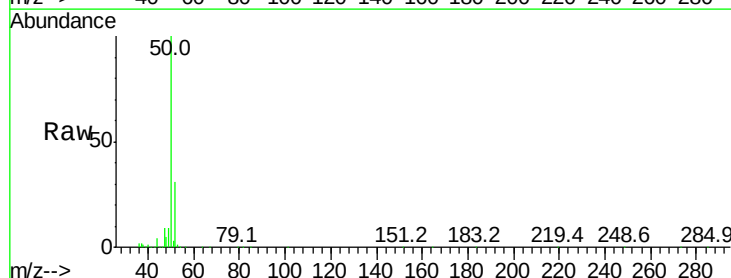
Acq: 18 Jul 2018 10:00

Tgt Ion: 50 Resp: 233988

Ion Ratio Lower Upper

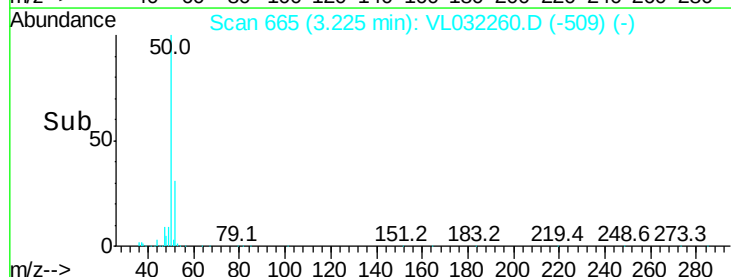
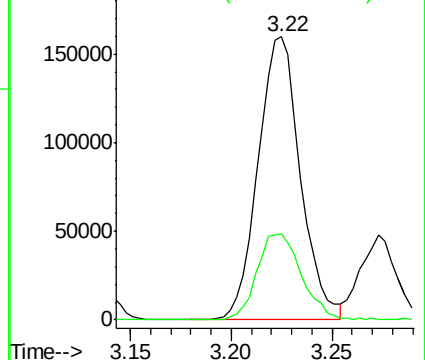
50 100

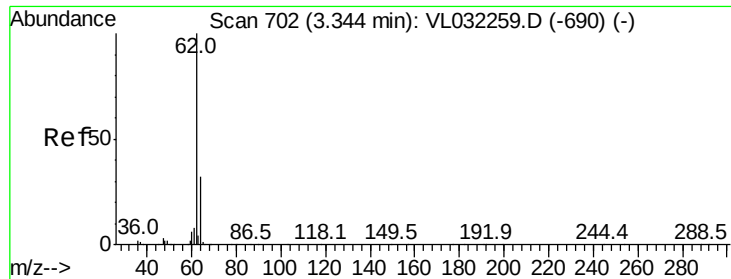
52 30.7 25.3 37.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.857 ppbv

RT: 3.34 min Scan# 702

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

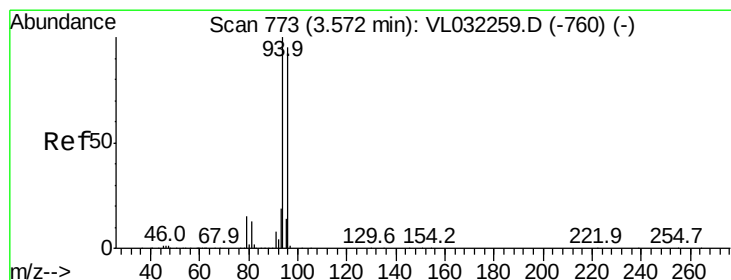
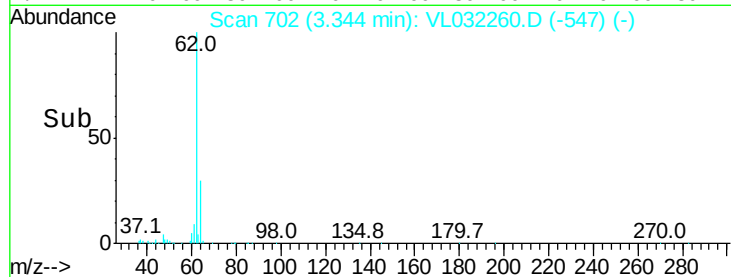
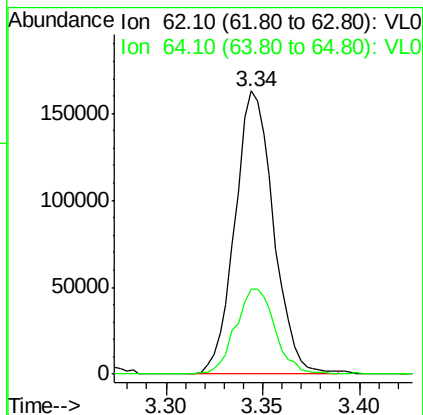
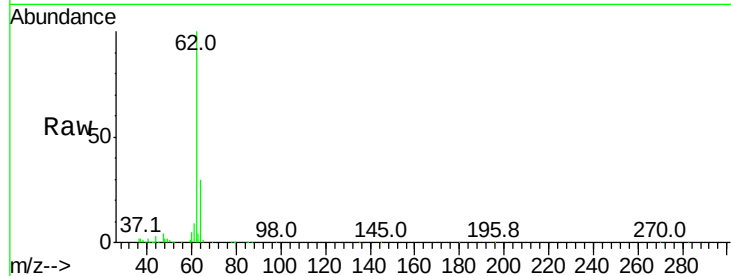
VSTDIC002

Tgt Ion: 62 Resp: 225481

Ion Ratio Lower Upper

62 100

64 30.0 25.3 37.9



#6

Bromomethane

Concen: 1.854 ppbv

RT: 3.57 min Scan# 773

Delta R.T. -0.00 min

Lab File: VL032260.D

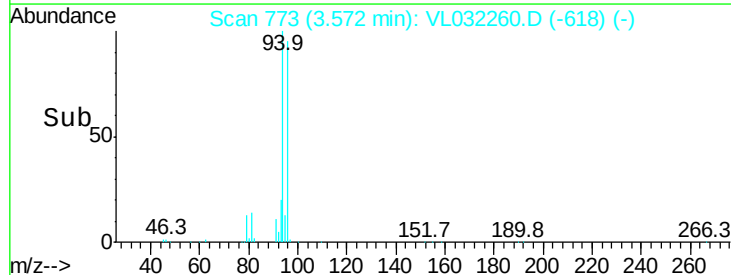
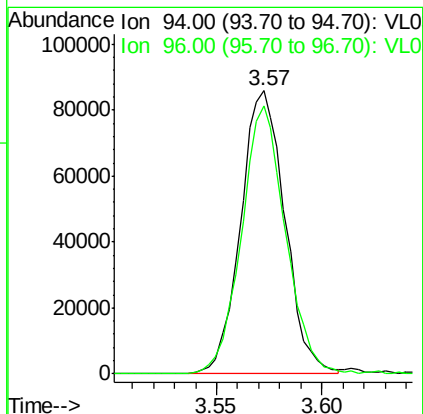
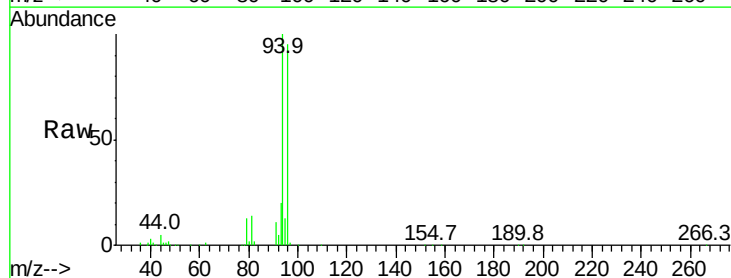
Acq: 18 Jul 2018 10:00

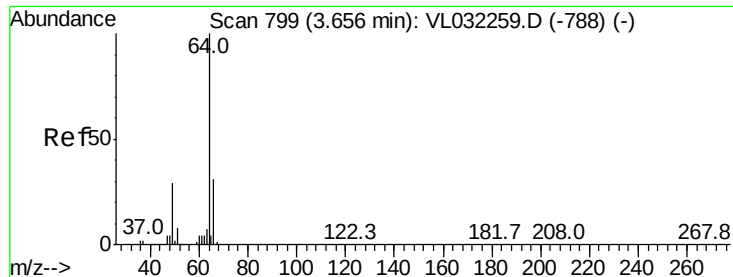
Tgt Ion: 94 Resp: 125281

Ion Ratio Lower Upper

94 100

96 94.9 76.1 114.1





#7

Chloroethane

Concen: 2.004 ppbv

RT: 3.66 min Scan# 800

Delta R.T. 0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

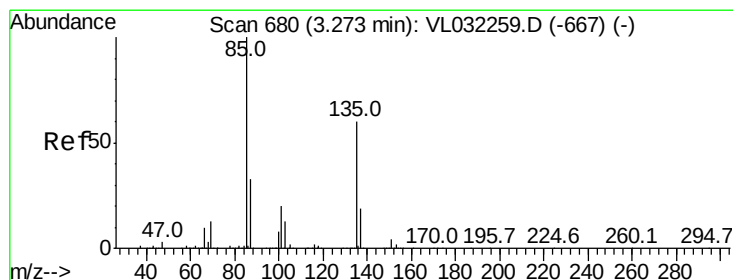
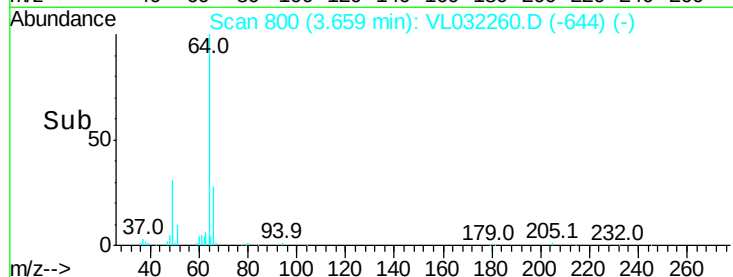
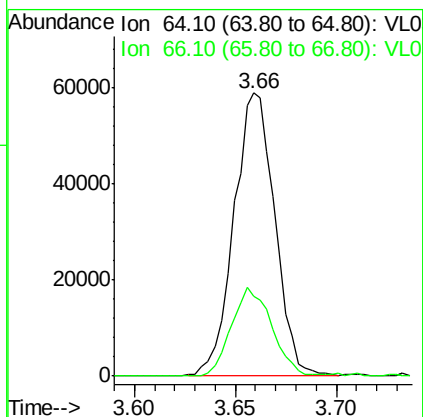
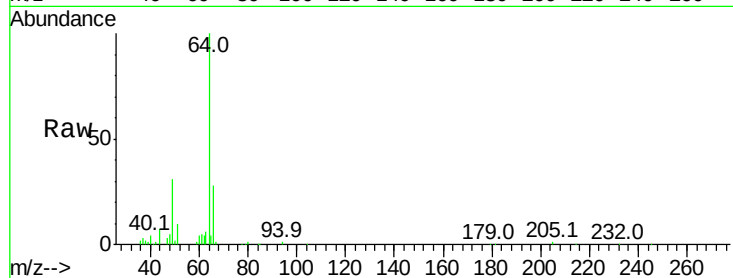
VSTDIC002

Tgt Ion: 64 Resp: 83770

Ion Ratio Lower Upper

64 100

66 28.1 25.0 37.4



#8

Dichlorotetrafluoroethane

Concen: 1.824 ppbv

RT: 3.27 min Scan# 680

Delta R.T. -0.00 min

Lab File: VL032260.D

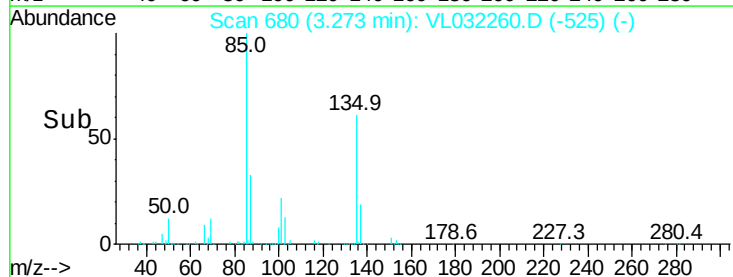
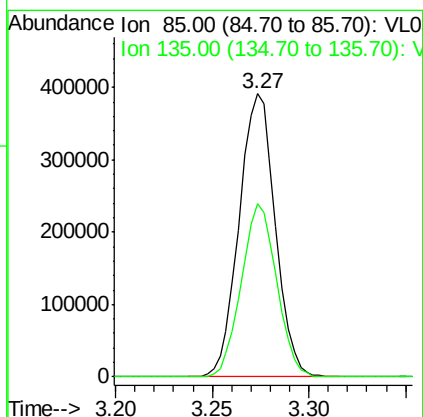
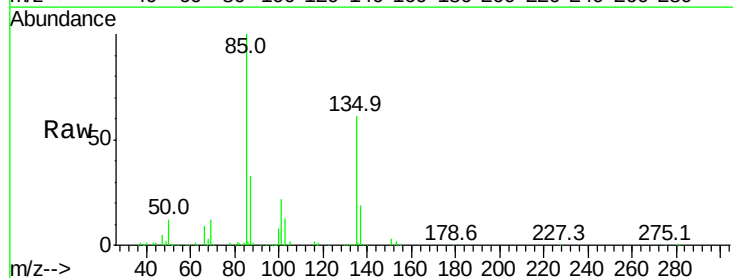
Acq: 18 Jul 2018 10:00

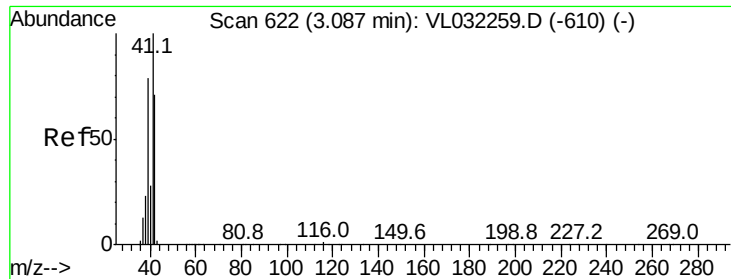
Tgt Ion: 85 Resp: 508535

Ion Ratio Lower Upper

85 100

135 60.0 47.8 71.8





#9

Propene

Concen: 1.980 ppbv

RT: 3.09 min Scan# 622

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

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ClientSampleId :

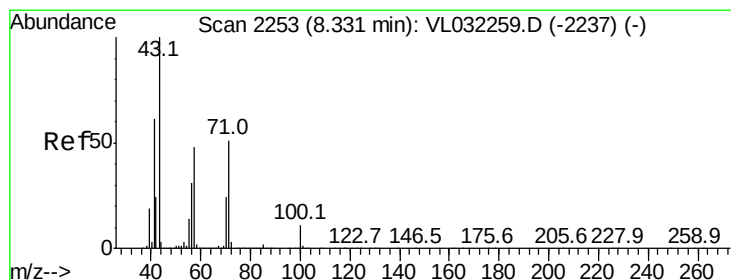
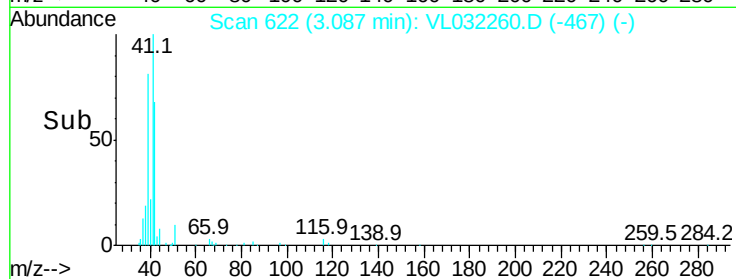
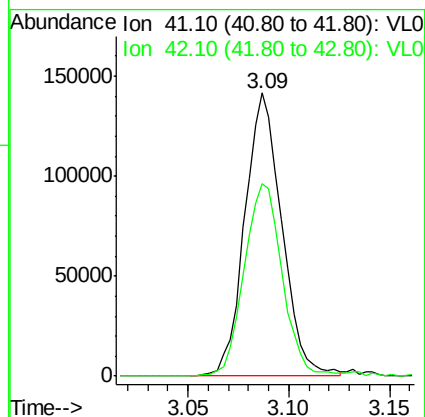
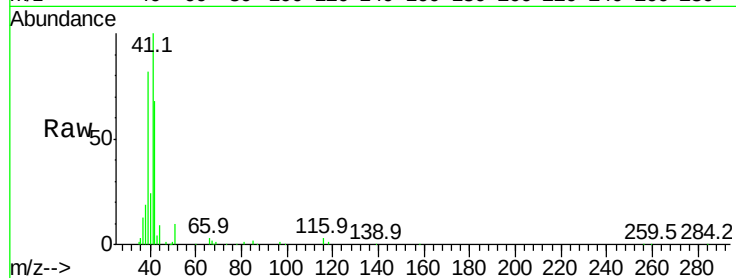
VSTDIC002

Tgt Ion: 41 Resp: 182889

Ion Ratio Lower Upper

41 100

42 70.7 56.2 84.4



#10

Heptane

Concen: 2.066 ppbv

RT: 8.33 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VL032260.D

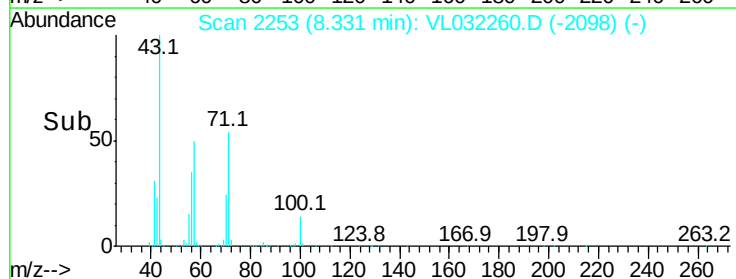
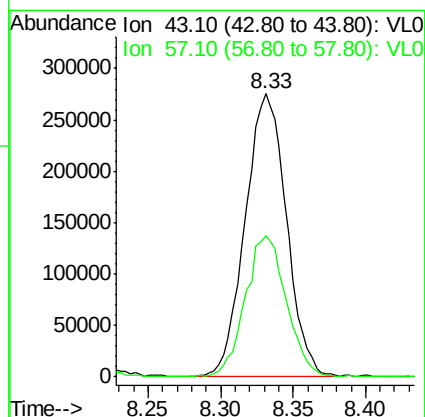
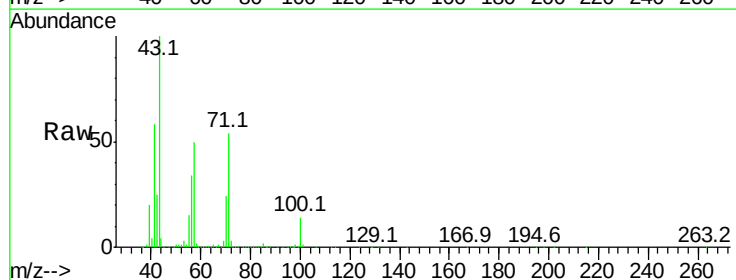
Acq: 18 Jul 2018 10:00

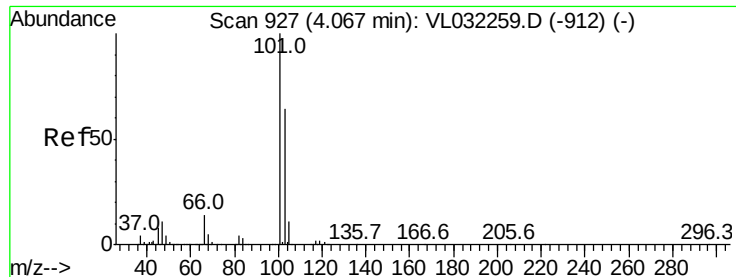
Tgt Ion: 43 Resp: 541859

Ion Ratio Lower Upper

43 100

57 50.3 39.9 59.9

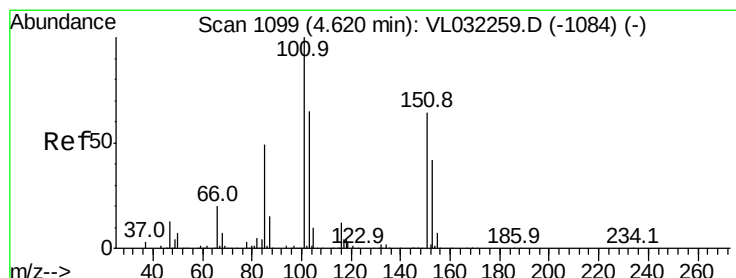
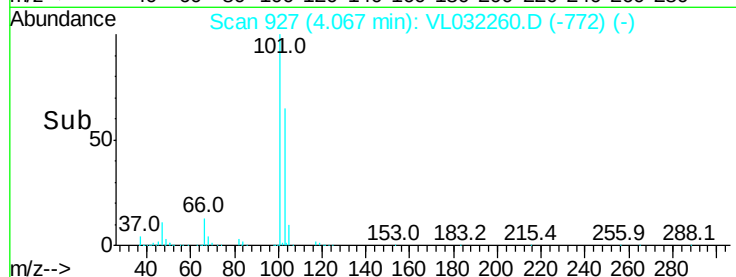
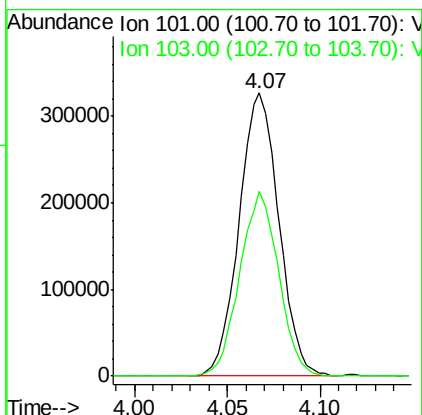
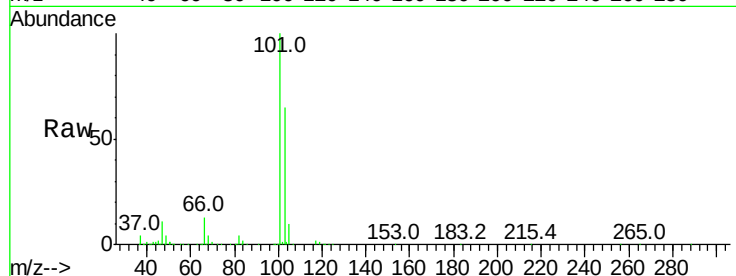




#11
 Trichlorofluoromethane
 Concen: 2.009 ppbv
 RT: 4.07 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

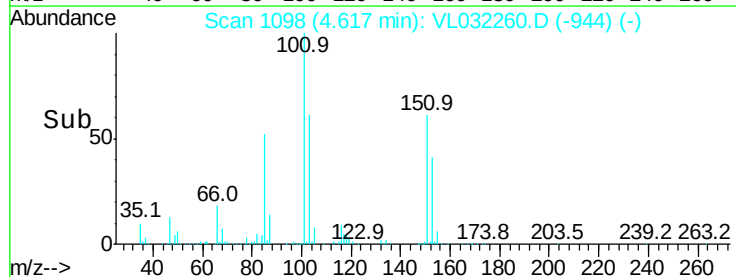
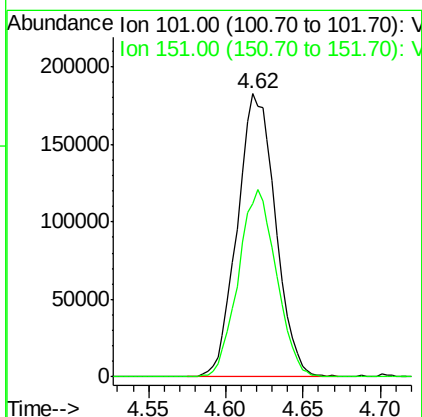
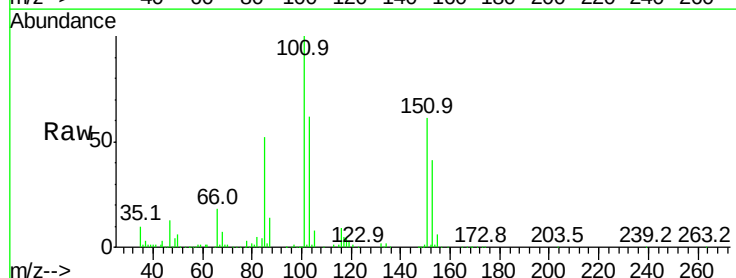
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

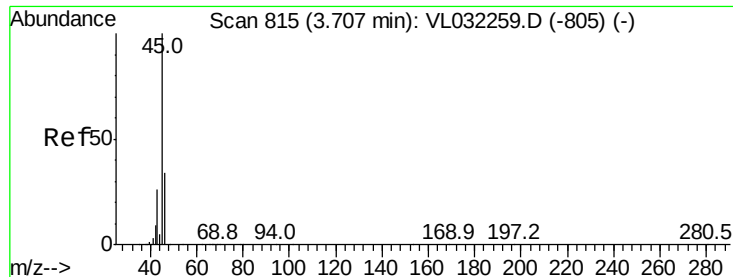
Tgt Ion:101 Resp: 487800
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.025 ppbv
 RT: 4.62 min Scan# 1098
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Tgt Ion:101 Resp: 314084
 Ion Ratio Lower Upper
 101 100
 151 65.8 51.3 76.9

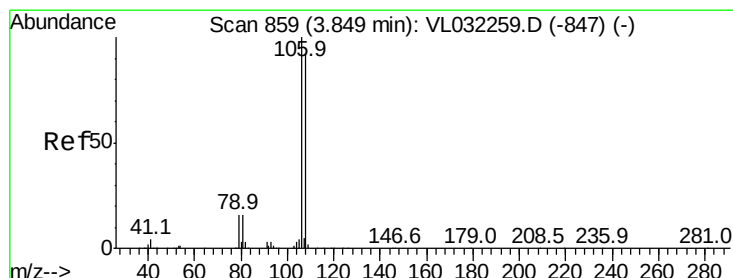
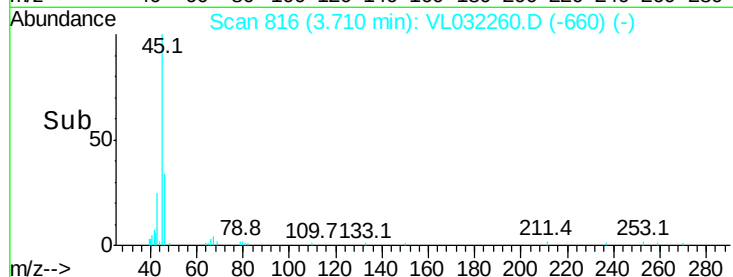
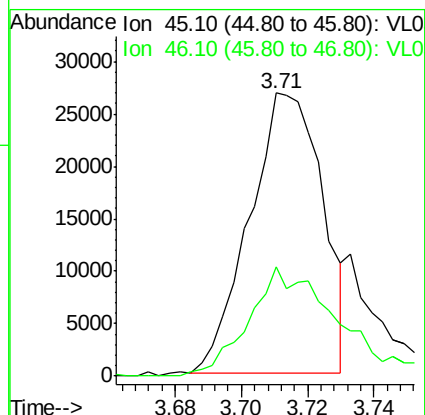
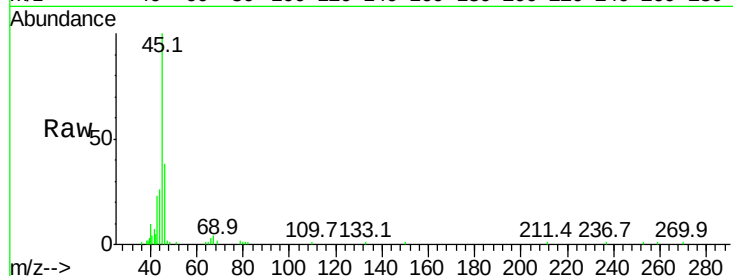




#13
Ethanol
Concen: 1.547 ppbv
RT: 3.71 min Scan# 816
Delta R.T. 0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

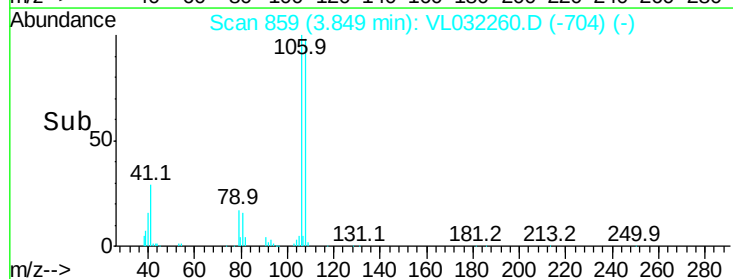
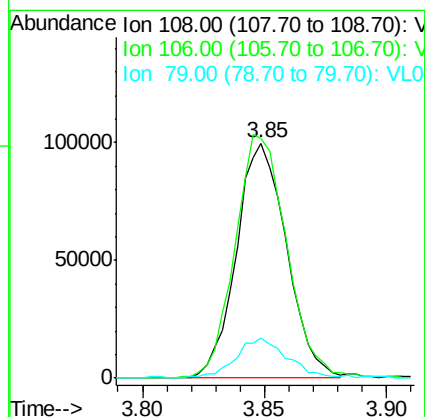
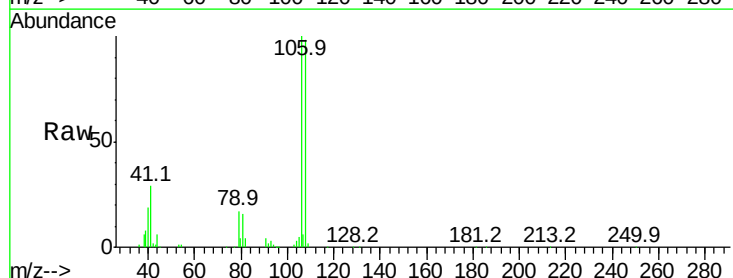
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

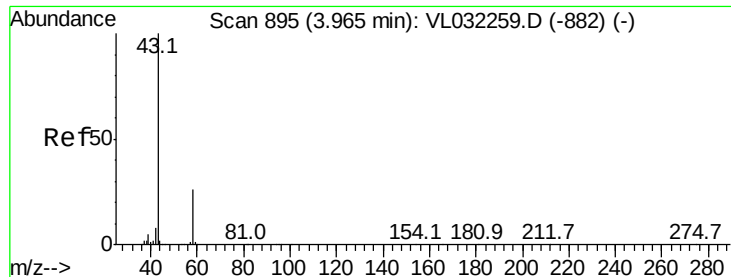
Tgt Ion: 45 Resp: 41244
Ion Ratio Lower Upper
45 100
46 49.5 15.2 60.8



#14
Bromoethene
Concen: 1.943 ppbv
RT: 3.85 min Scan# 859
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Tgt Ion: 108 Resp: 142134
Ion Ratio Lower Upper
108 100
106 107.8 86.2 129.4
79 18.0 14.0 21.0





#15

Acetone

Concen: 1.893 ppbv

RT: 3.97 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

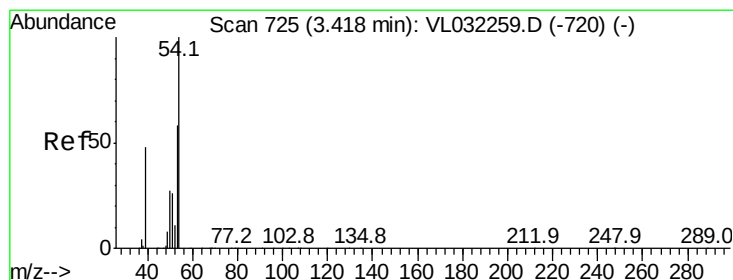
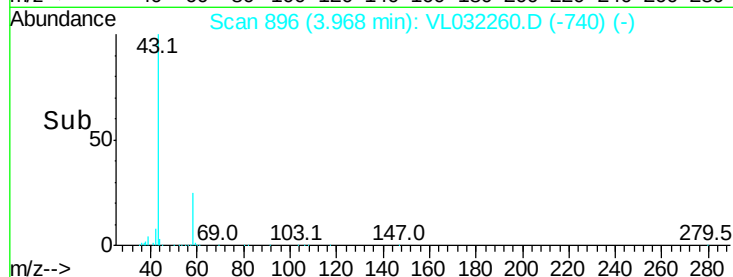
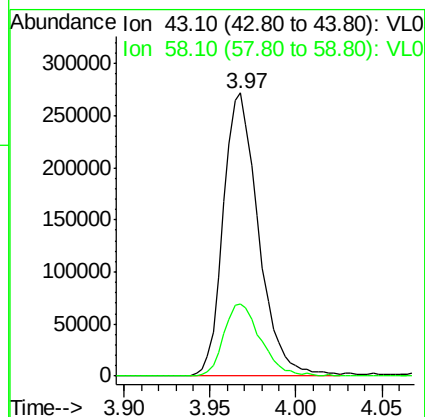
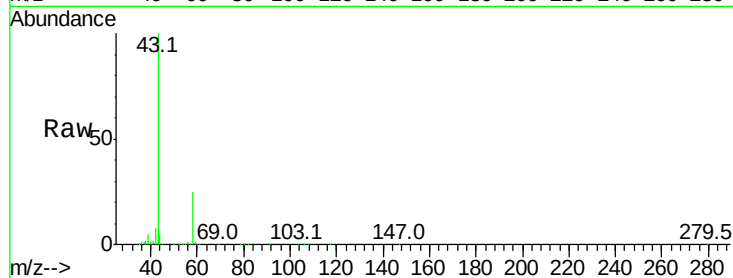
VSTDIC002

Tgt Ion: 43 Resp: 387151

Ion Ratio Lower Upper

43 100

58 27.0 21.8 32.6



#16

1,3-Butadiene

Concen: 2.045 ppbv

RT: 3.41 min Scan# 724

Delta R.T. -0.00 min

Lab File: VL032260.D

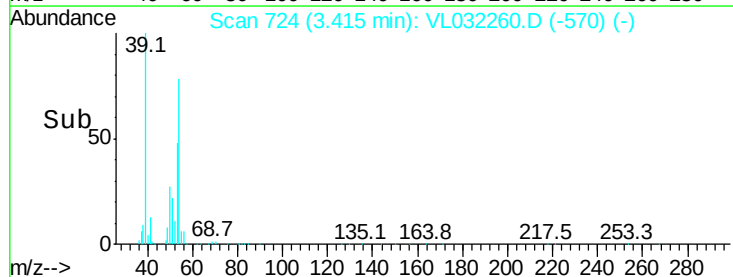
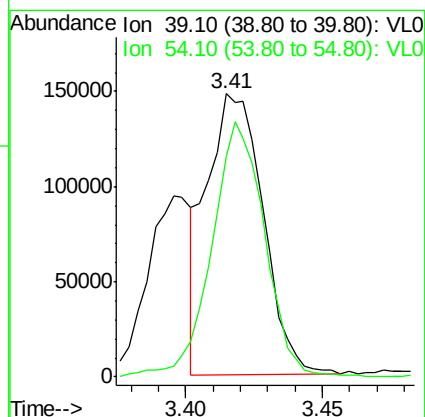
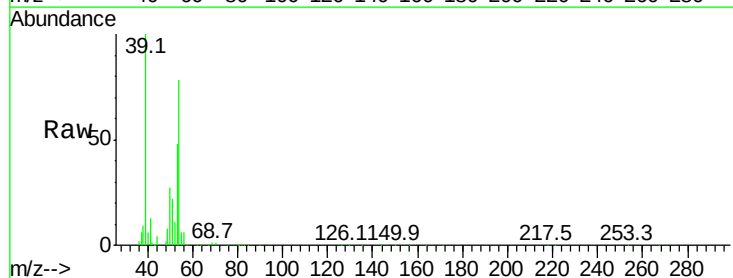
Acq: 18 Jul 2018 10:00

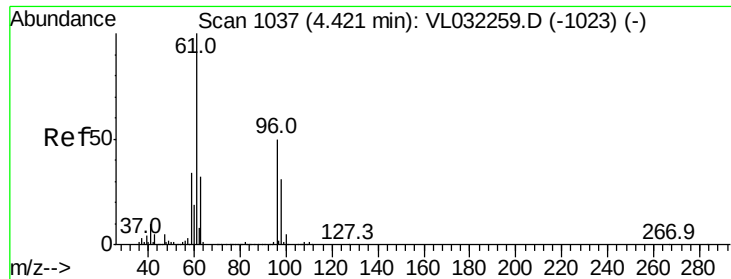
Tgt Ion: 39 Resp: 211344

Ion Ratio Lower Upper

39 100

54 86.3 70.6 105.8





#17

tert-Butyl alcohol

Concen: 1.233 ppbv

RT: 4.43 min Scan# 1041

Delta R.T. 0.01 min

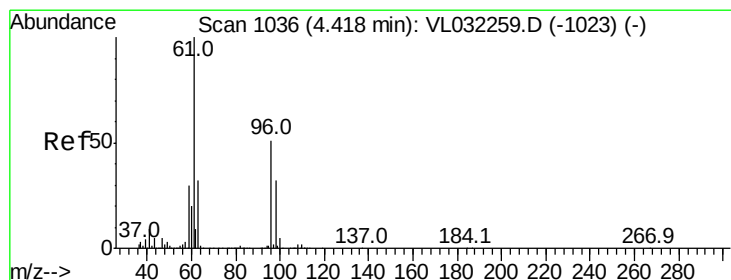
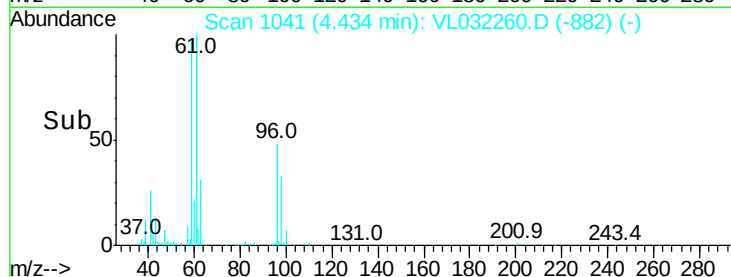
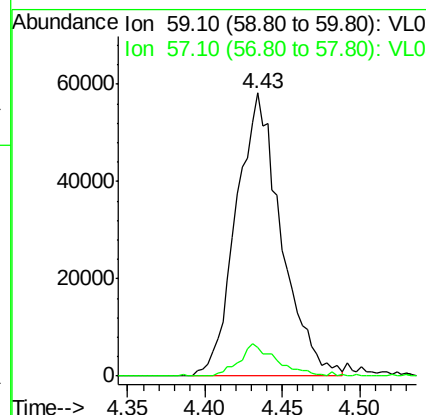
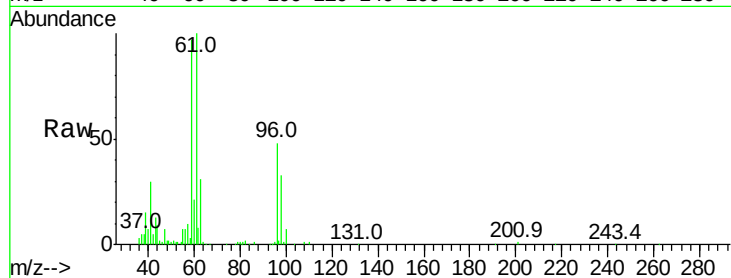
Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 59 Resp: 117744

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.4



#18

1,1-Dichloroethene

Concen: 2.093 ppbv

RT: 4.42 min Scan# 1036

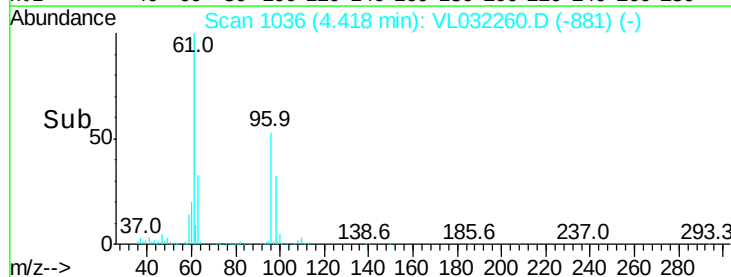
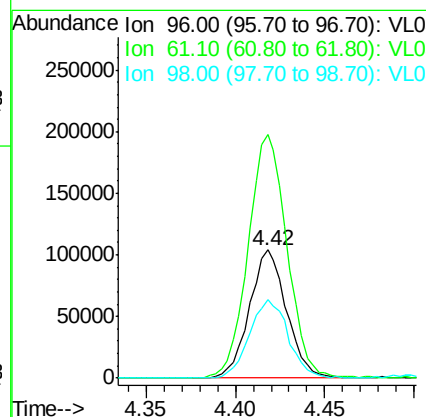
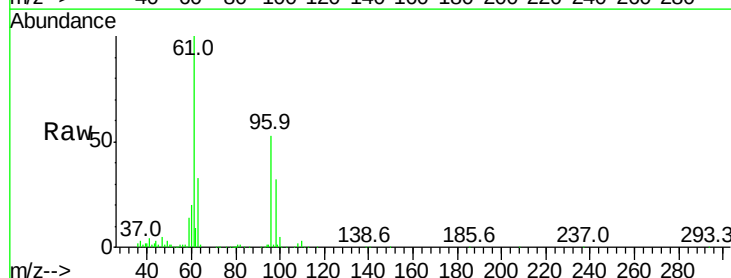
Delta R.T. -0.00 min

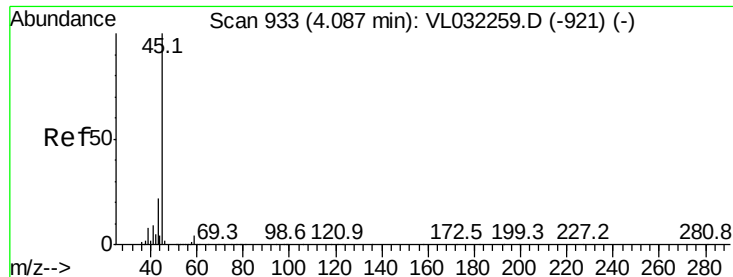
Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Tgt Ion: 96 Resp: 151083

Ion	Ratio	Lower	Upper
96	100		
61	190.0	157.2	235.8
98	61.4	50.1	75.1





#19

Isopropyl Alcohol

Concen: 1.779 ppbv

RT: 4.09 min Scan# 935

Delta R.T. 0.01 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

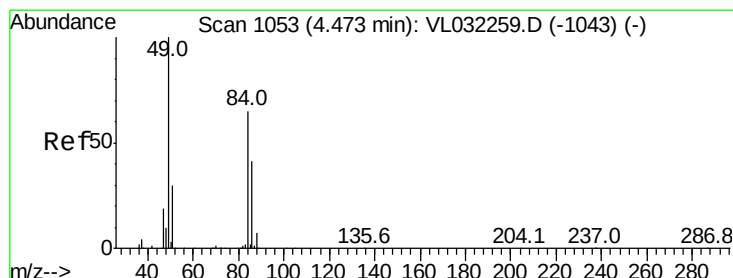
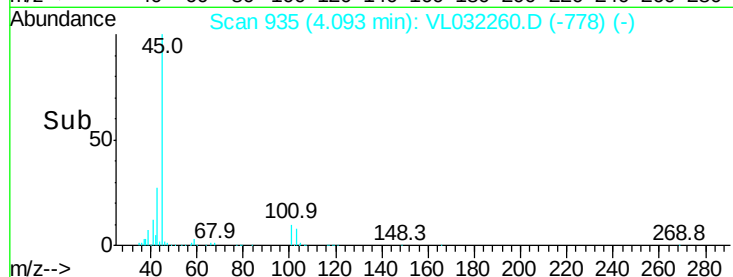
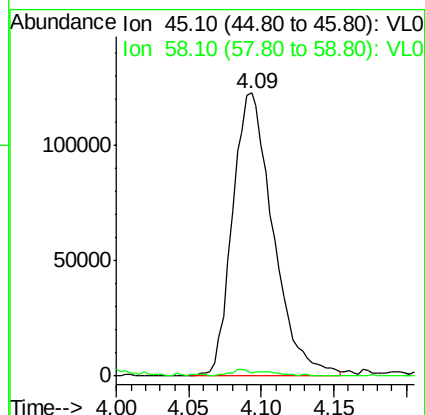
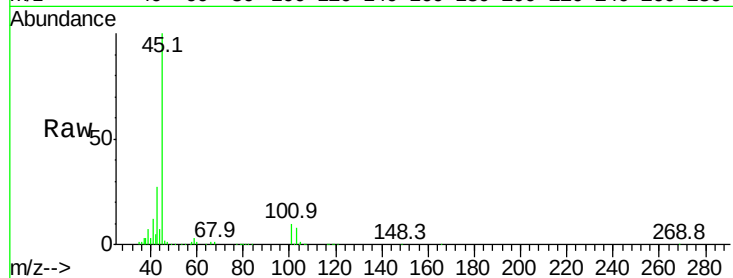
VSTDIC002

Tgt Ion: 45 Resp: 238915

Ion Ratio Lower Upper

45 100

58 2.5 1.5 2.3#



#20

Methylene Chloride

Concen: 2.212 ppbv

RT: 4.47 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Tgt Ion: 84 Resp: 153371

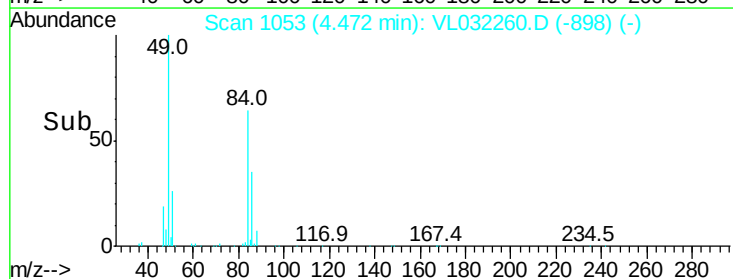
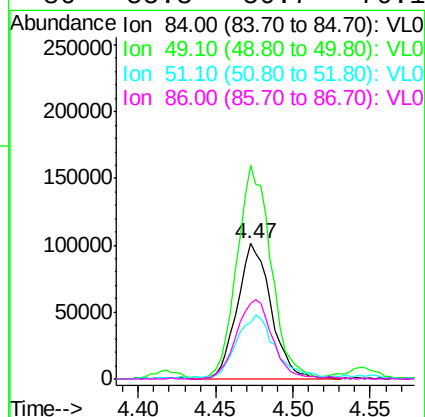
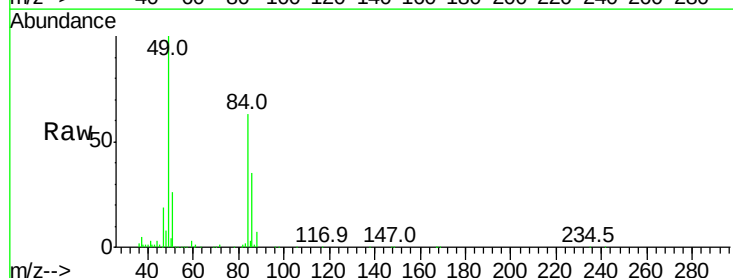
Ion Ratio Lower Upper

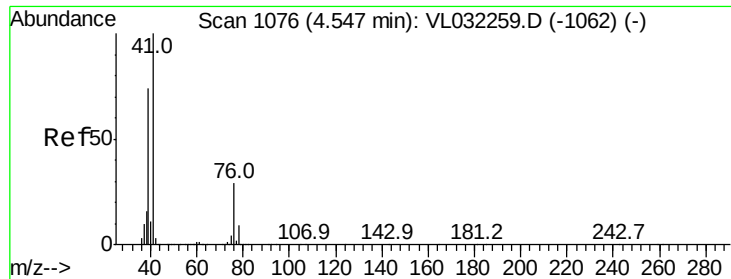
84 100

49 157.0 122.4 183.6

51 40.1 36.8 55.2

86 55.3 50.7 76.1

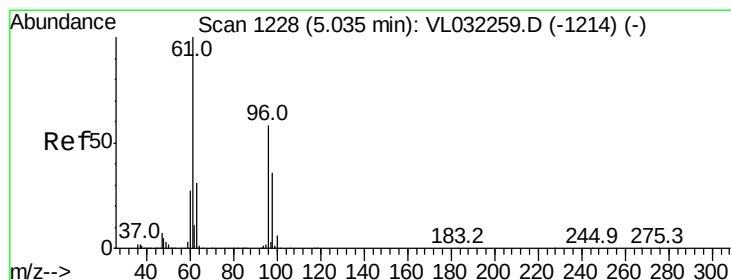
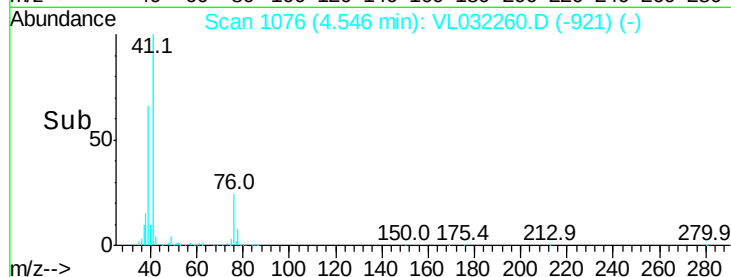
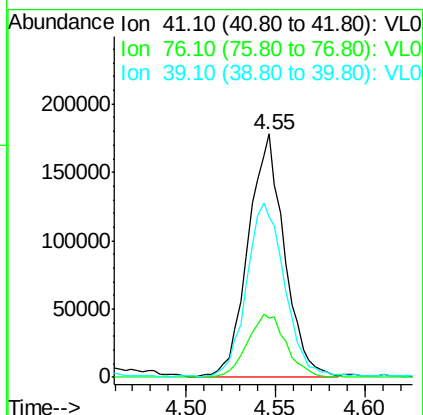
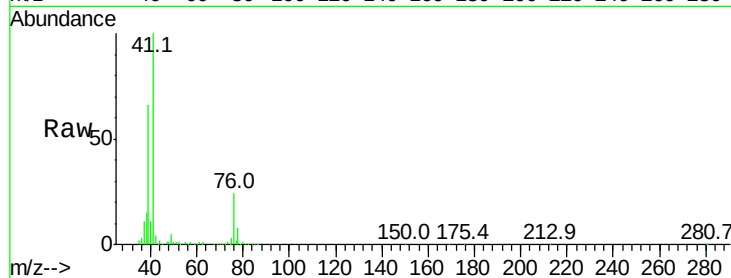




#21
 Allyl Chloride
 Concen: 2.114 ppbv
 RT: 4.55 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

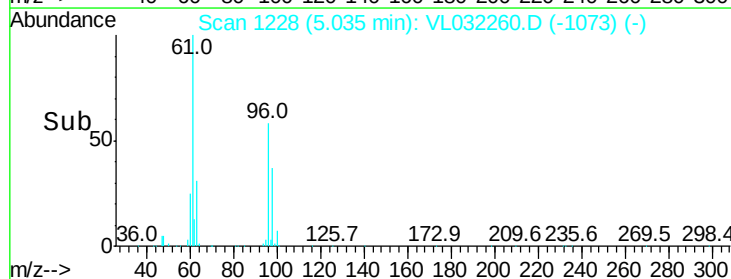
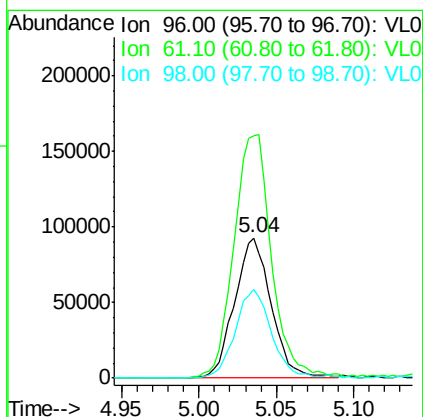
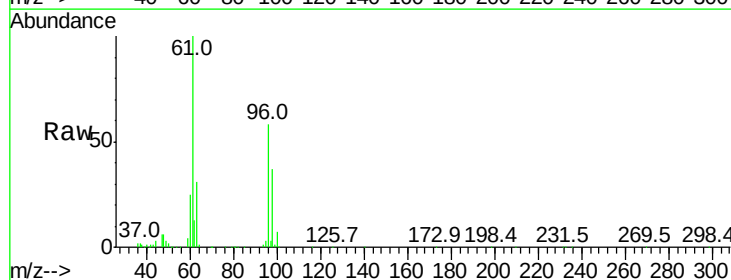
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

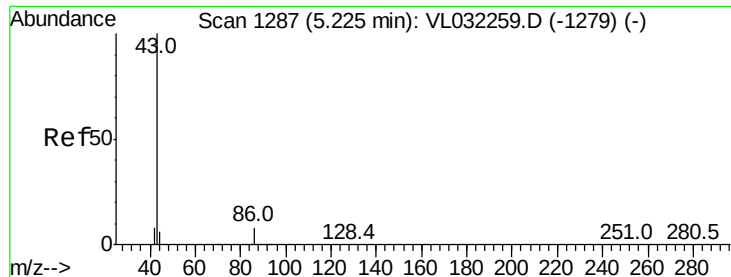
Tgt Ion: 41 Resp: 253215
 Ion Ratio Lower Upper
 41 100
 76 27.8 23.0 34.6
 39 75.9 60.2 90.4



#22
 trans-1,2-Dichloroethene
 Concen: 2.222 ppbv
 RT: 5.04 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Tgt Ion: 96 Resp: 152604
 Ion Ratio Lower Upper
 96 100
 61 172.4 137.4 206.0
 98 63.2 49.6 74.4





#23

Vinyl Acetate

Concen: 2.017 ppbv

RT: 5.22 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 686267

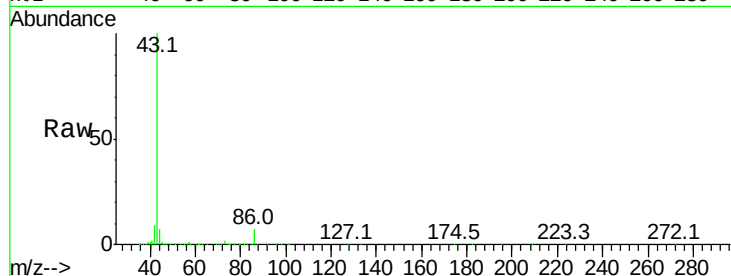
Ion Ratio Lower Upper

43 100

86 7.3 5.9 8.9

42 9.3 7.3 10.9

44 6.1 4.4 6.6

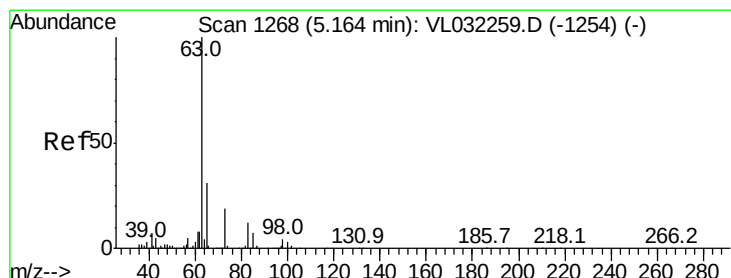
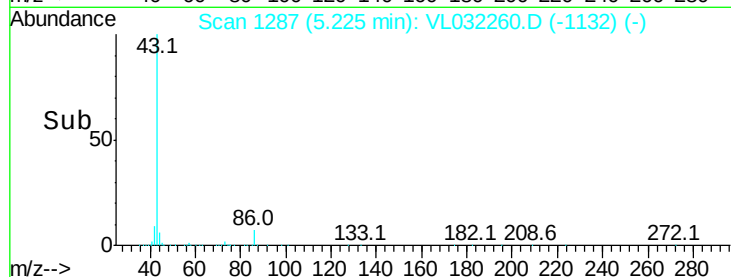
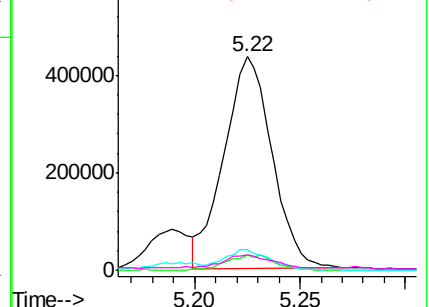


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 2.128 ppbv

RT: 5.16 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

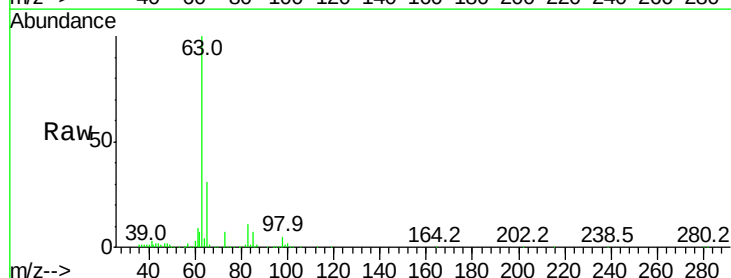
Tgt Ion: 63 Resp: 508347

Ion Ratio Lower Upper

63 100

98 4.6 2.1 6.3

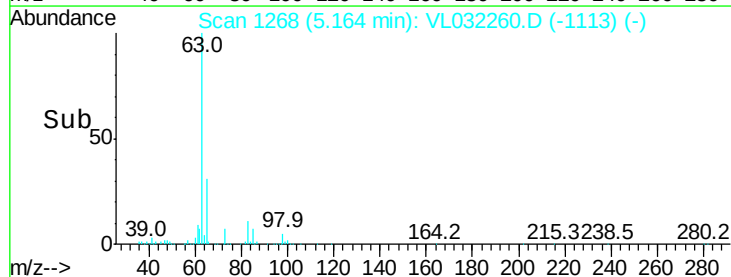
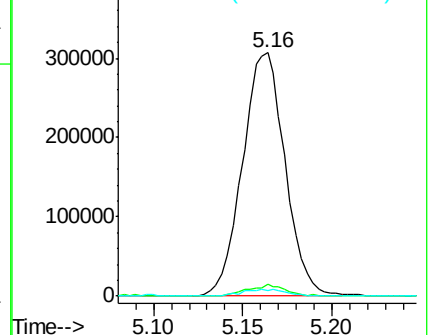
100 2.4 1.3 3.9

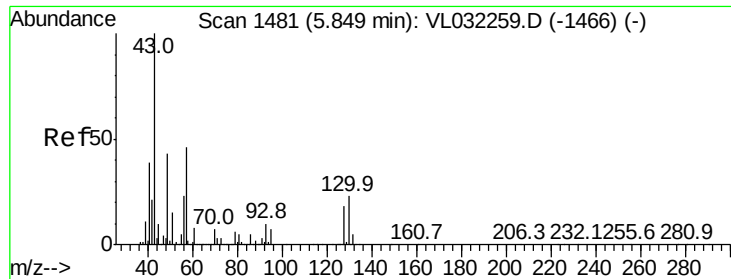


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 2.087 ppbv

RT: 5.85 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 845040

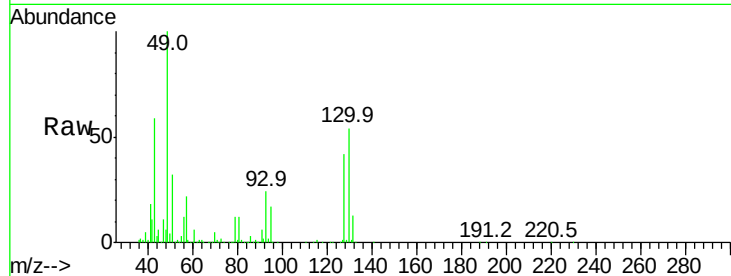
Ion Ratio Lower Upper

43 100

45 9.5 7.9 11.9

61 9.5 7.6 11.4

70 7.0 5.8 8.8

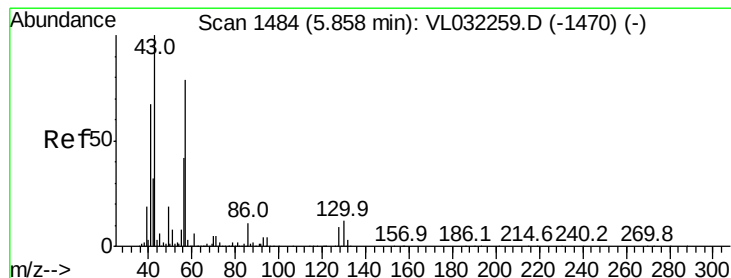
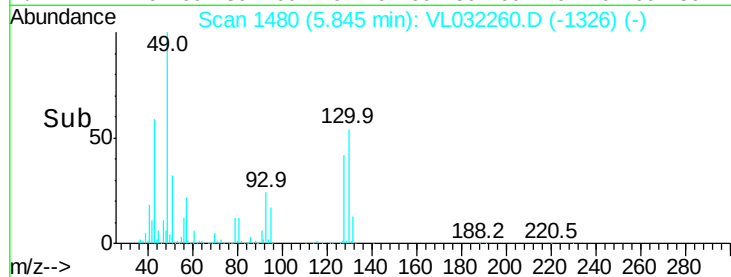
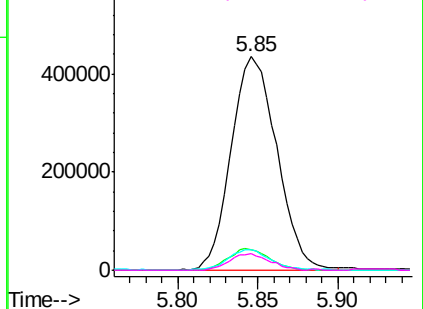


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.173 ppbv

RT: 5.86 min Scan# 1483

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Tgt Ion: 57 Resp: 401174

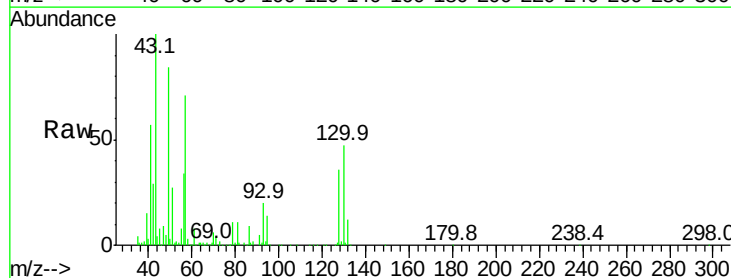
Ion Ratio Lower Upper

57 100

41 87.7 67.9 101.9

43 213.3 175.9 263.9

56 53.7 41.9 62.9

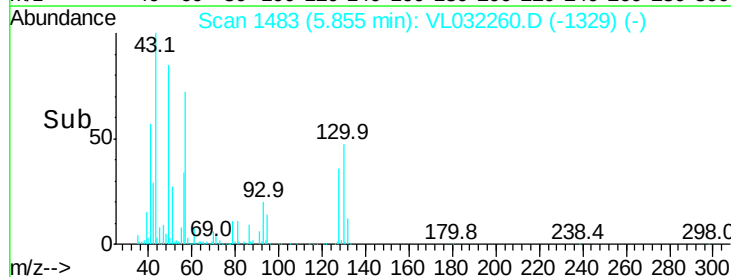
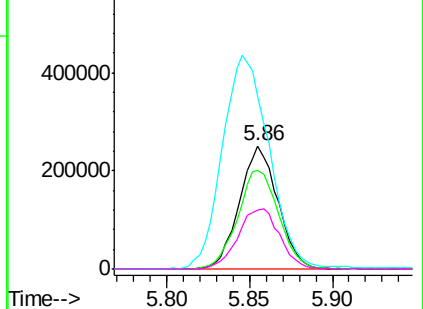


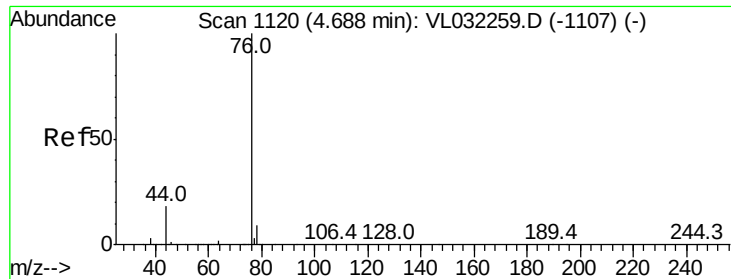
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 2.067 ppbv

RT: 4.69 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

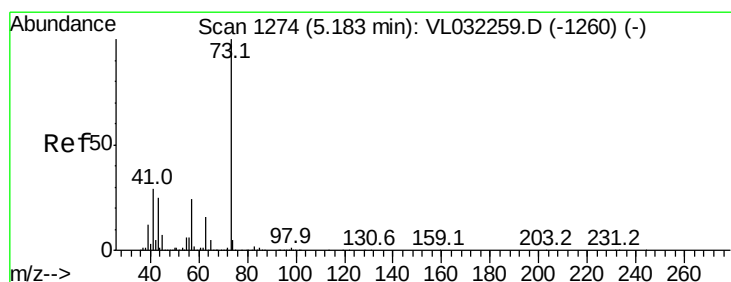
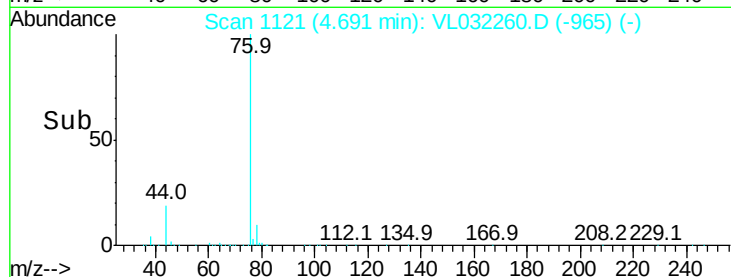
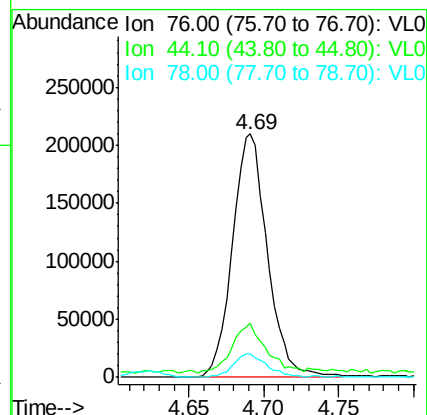
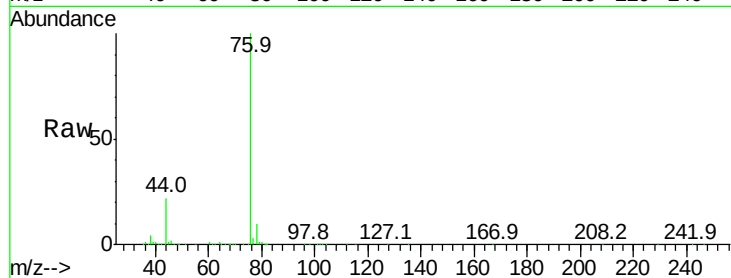
Tgt Ion: 76 Resp: 341547

Ion Ratio Lower Upper

76 100

44 20.5 14.3 21.5

78 9.2 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 2.008 ppbv

RT: 5.19 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VL032260.D

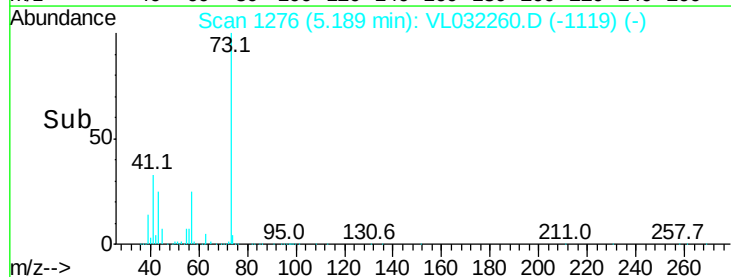
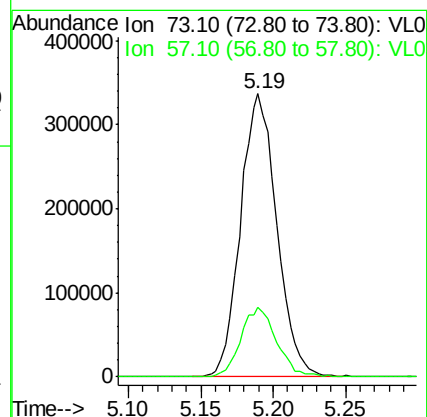
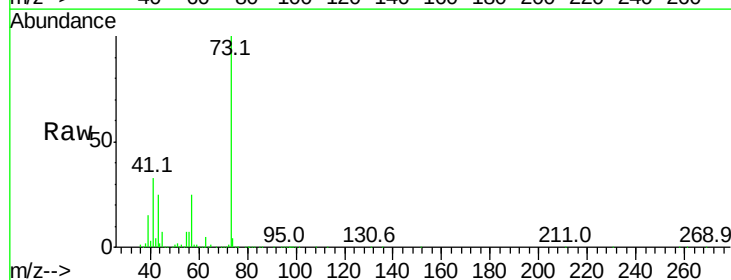
Acq: 18 Jul 2018 10:00

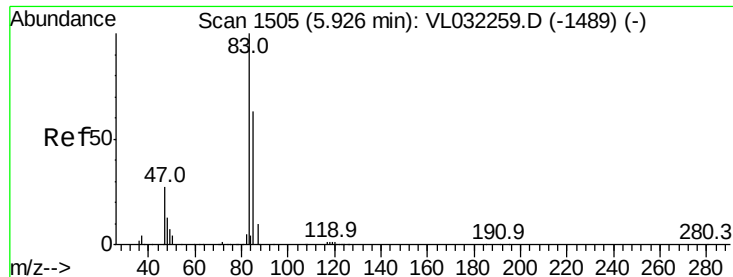
Tgt Ion: 73 Resp: 583582

Ion Ratio Lower Upper

73 100

57 24.5 19.3 28.9





#29

Chloroform

Concen: 1.996 ppbv

RT: 5.92 min Scan# 1504

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

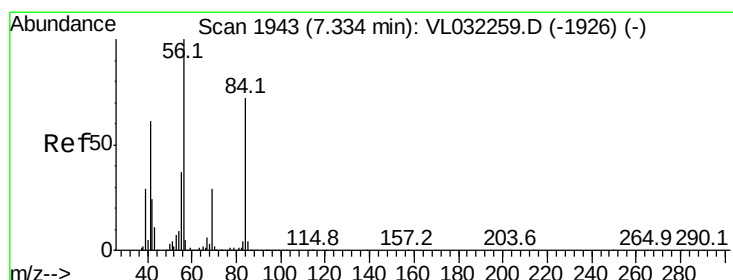
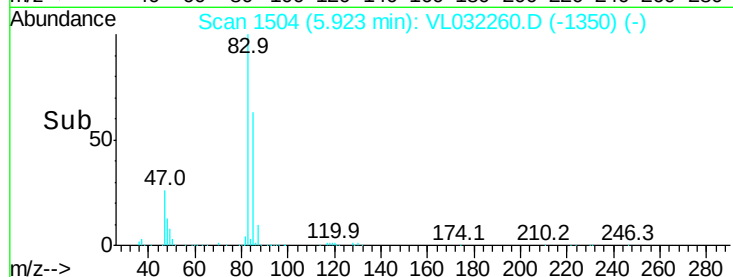
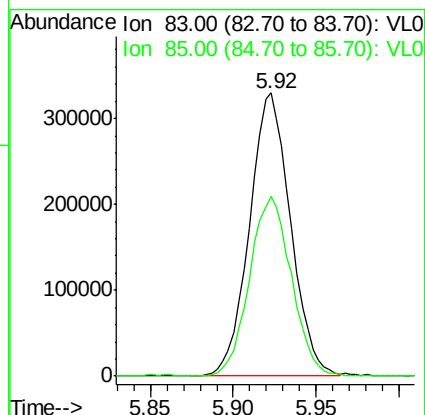
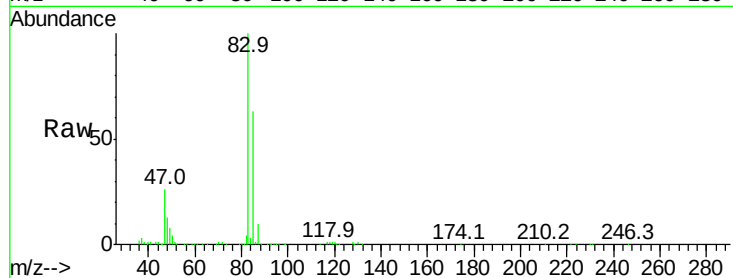
VSTDIC002

Tgt Ion: 83 Resp: 569026

Ion Ratio Lower Upper

83 100

85 63.0 50.7 76.1



#30

Cyclohexane

Concen: 1.979 ppbv

RT: 7.33 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

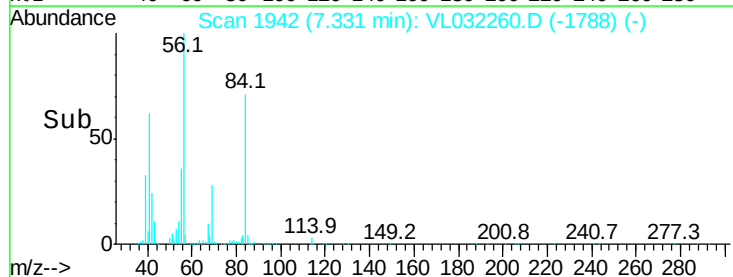
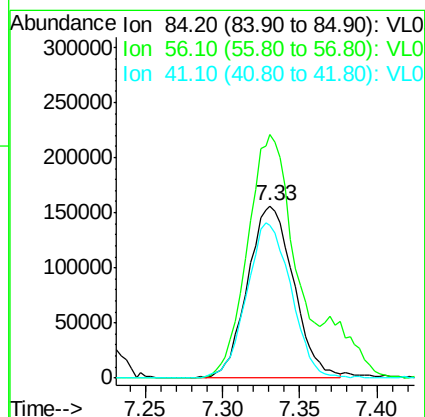
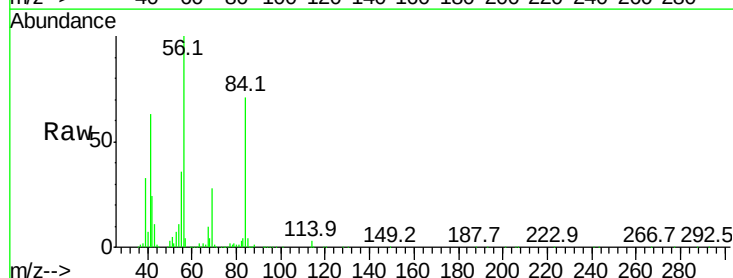
Tgt Ion: 84 Resp: 322451

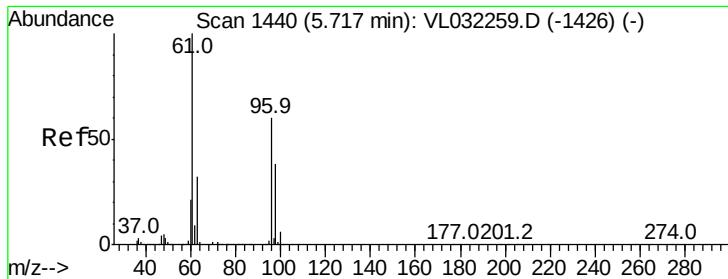
Ion Ratio Lower Upper

84 100

56 166.6 115.6 173.4

41 87.4 68.7 103.1

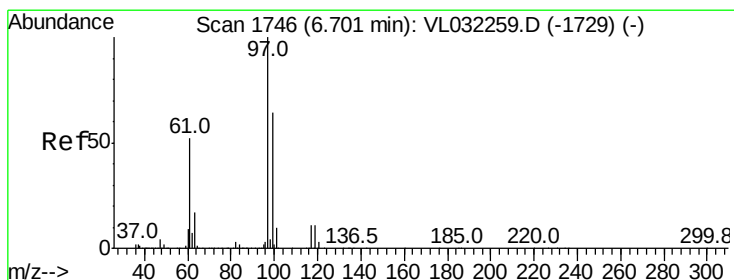
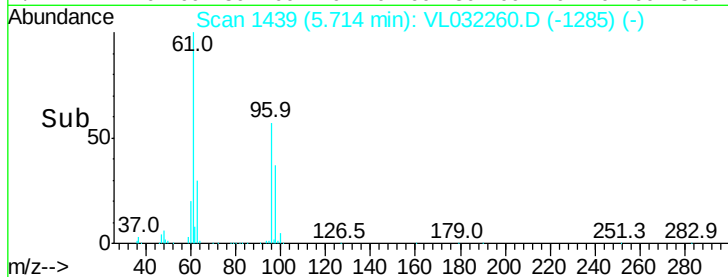
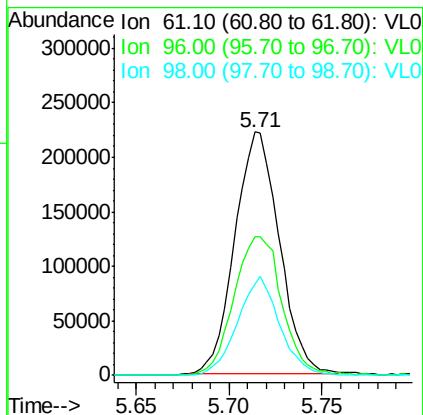
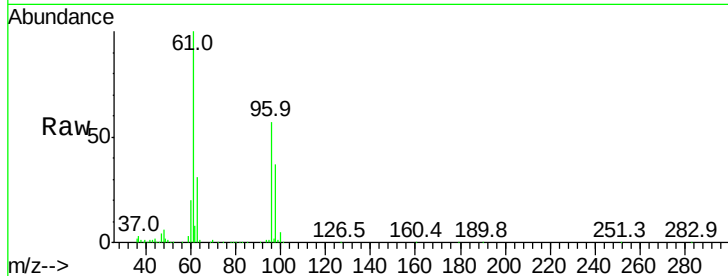




#31
 cis-1,2-Dichloroethene
 Concen: 2.001 ppbv
 RT: 5.71 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

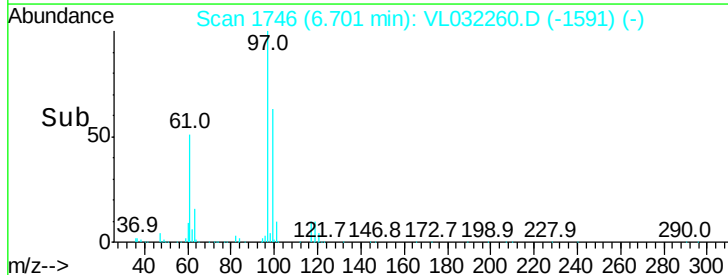
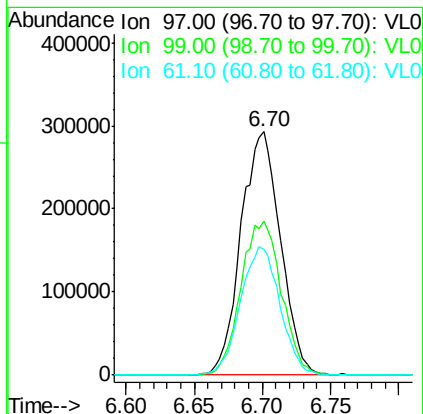
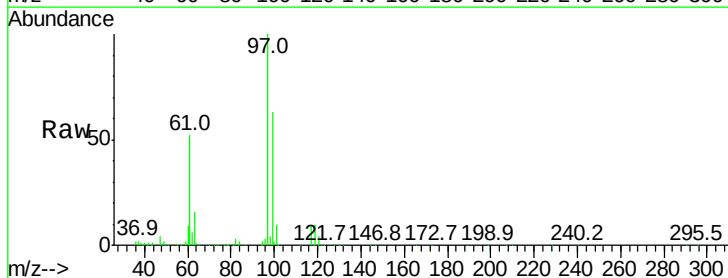
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

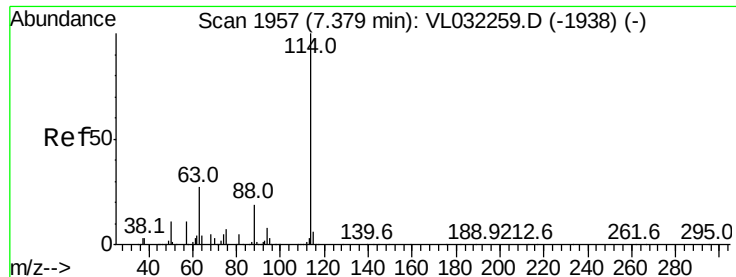
Tgt Ion: 61 Resp: 368726
 Ion Ratio Lower Upper
 61 100
 96 57.4 47.9 71.9
 98 37.5 30.5 45.7



#32
 1,1,1-Trichloroethane
 Concen: 2.136 ppbv
 RT: 6.70 min Scan# 1746
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Tgt Ion: 97 Resp: 590918
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.0 76.6
 61 52.6 41.2 61.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.38 min Scan# 1956

Delta R.T. -0.00 min

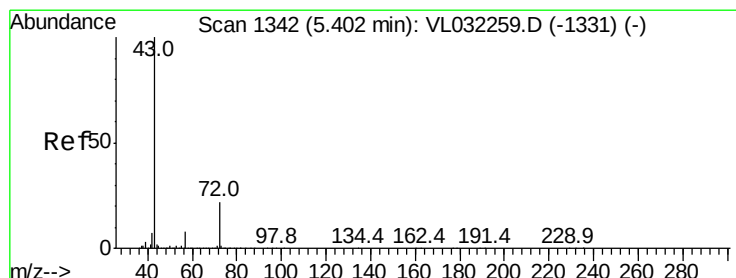
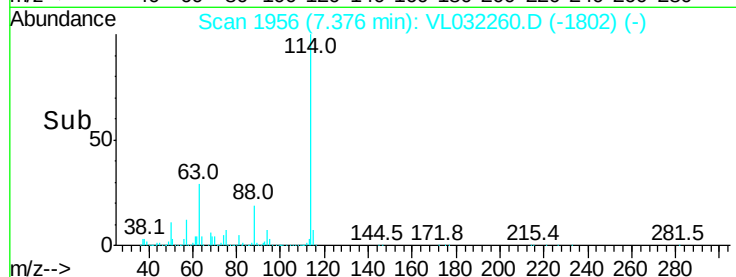
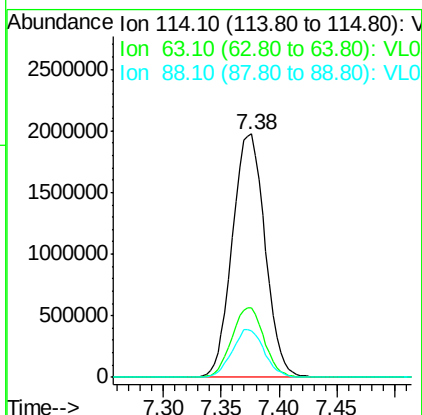
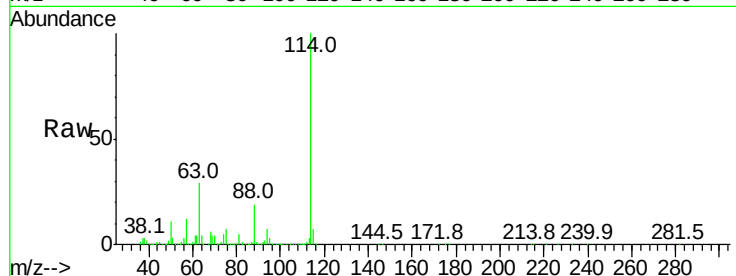
Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:114 Resp: 3870172

Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.6	33.8
88	19.3	15.2	22.8



#34

2-Butanone

Concen: 2.140 ppbv

RT: 5.41 min Scan# 1344

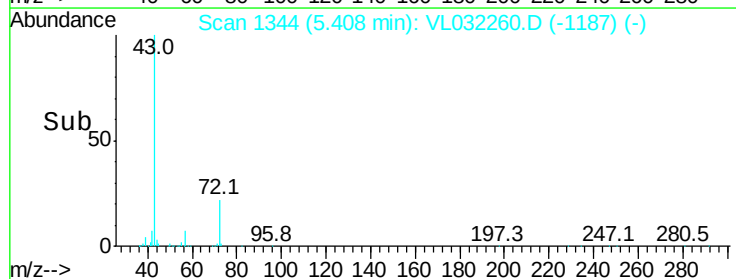
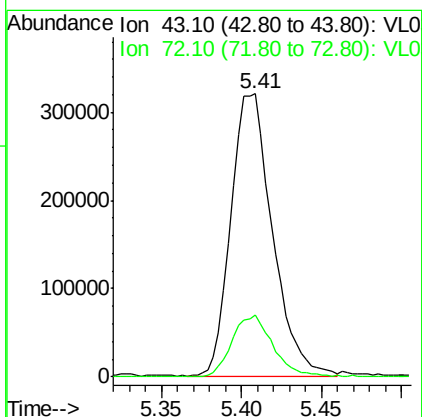
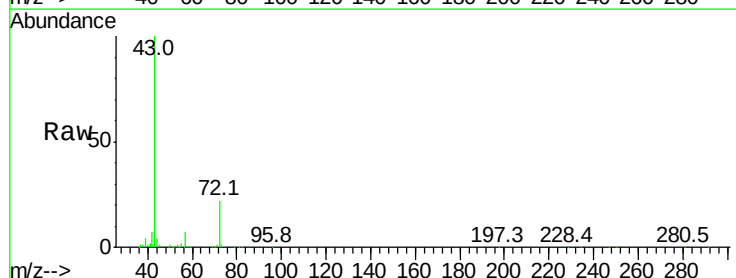
Delta R.T. 0.01 min

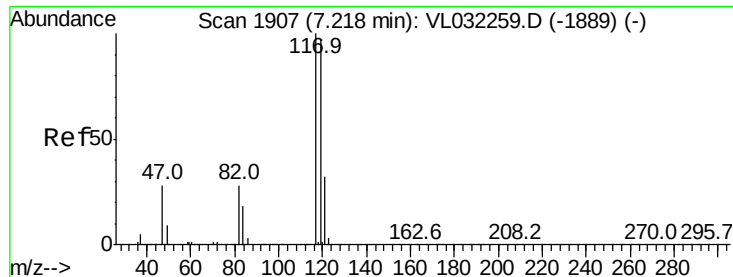
Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Tgt Ion: 43 Resp: 564263

Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.7	26.5





#35

Carbon Tetrachloride

Concen: 2.160 ppbv

RT: 7.22 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

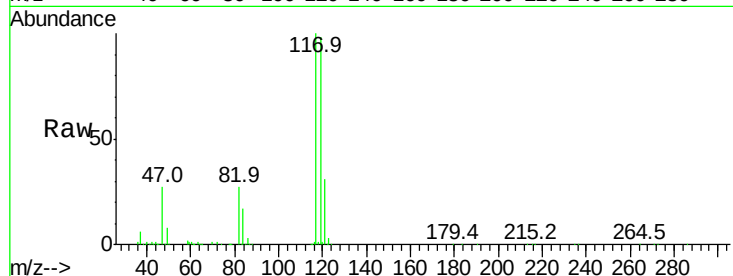
Tgt Ion:117 Resp: 565726

Ion Ratio Lower Upper

117 100

119 98.4 77.4 116.0

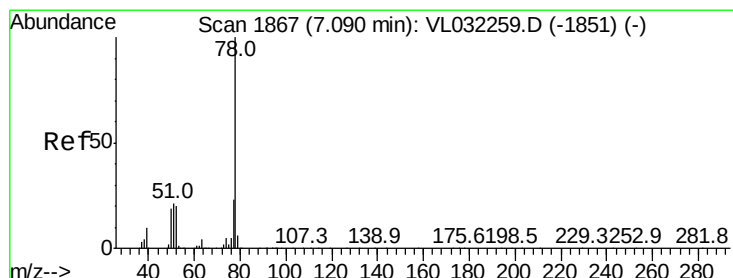
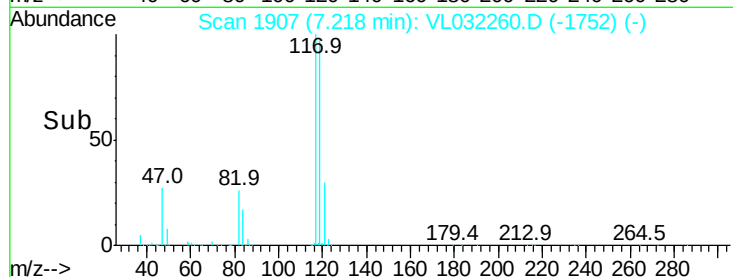
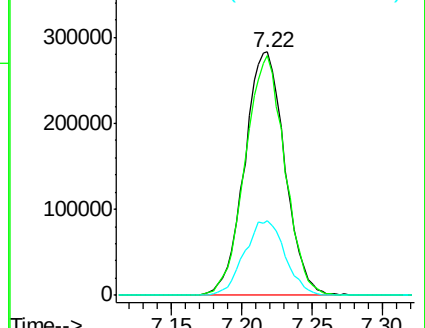
121 30.5 25.4 38.2



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: 2.178 ppbv

RT: 7.09 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

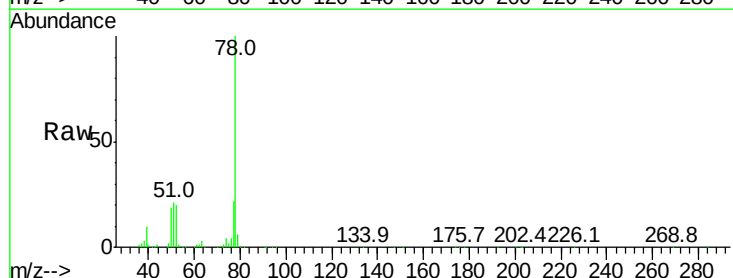
Tgt Ion: 78 Resp: 837908

Ion Ratio Lower Upper

78 100

77 22.2 18.6 27.8

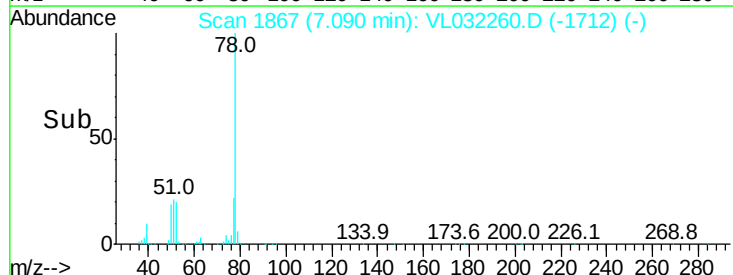
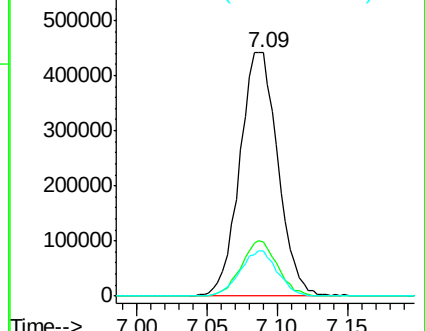
50 18.5 15.0 22.6

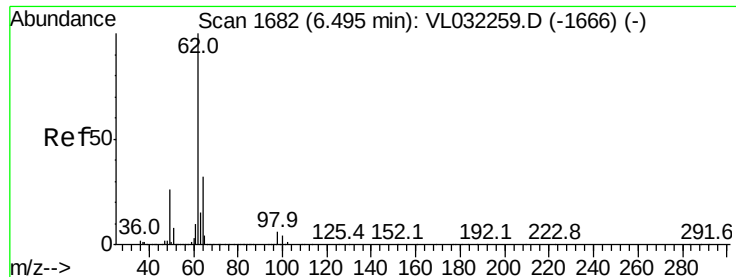


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 2.243 ppbv

RT: 6.49 min Scan# 1681

Delta R.T. -0.00 min

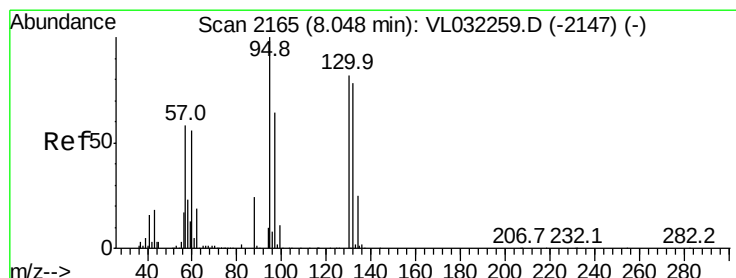
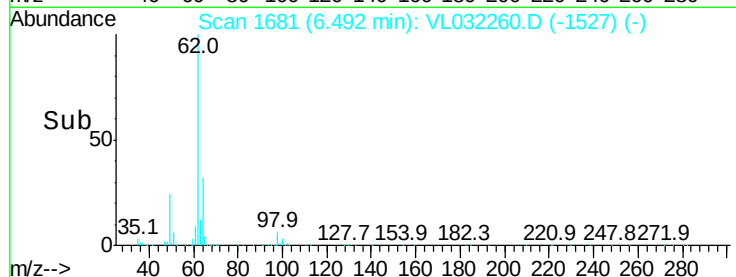
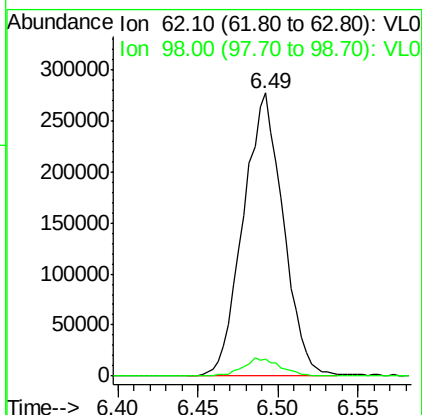
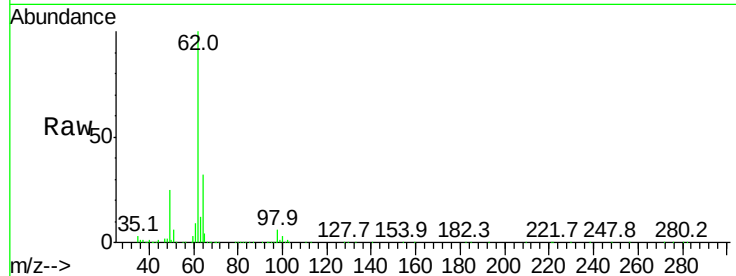
Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 62 Resp: 472328

Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.9	7.3



#38

Trichloroethene

Concen: 2.052 ppbv

RT: 8.04 min Scan# 2163

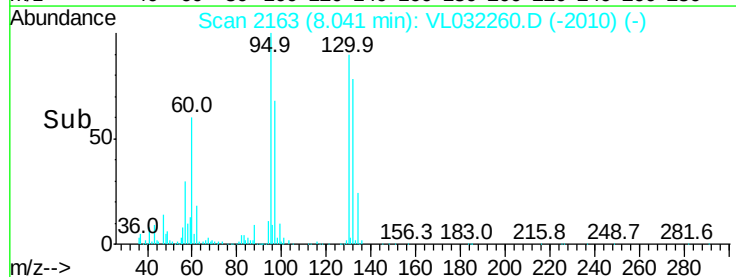
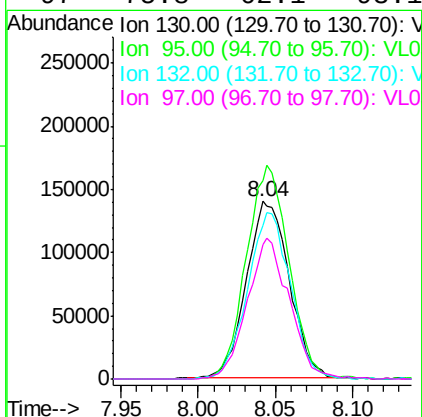
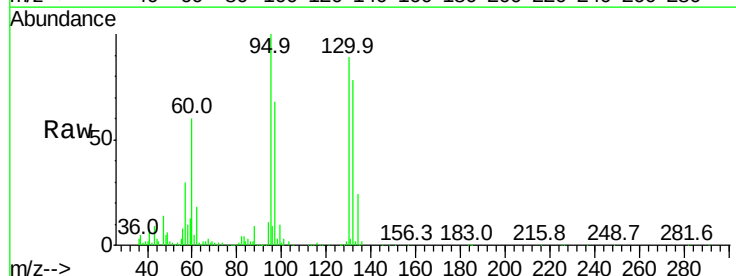
Delta R.T. -0.01 min

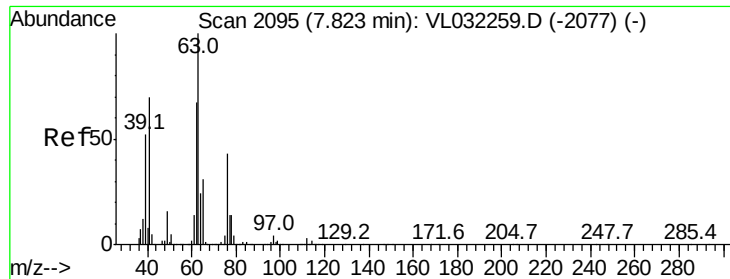
Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Tgt Ion: 130 Resp: 270727

Ion	Ratio	Lower	Upper
130	100		
95	112.1	97.1	145.7
132	86.9	75.6	113.4
97	75.8	62.1	93.1





#39

1,2-Dichloropropane

Concen: 2.076 ppbv

RT: 7.82 min Scan# 2094

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

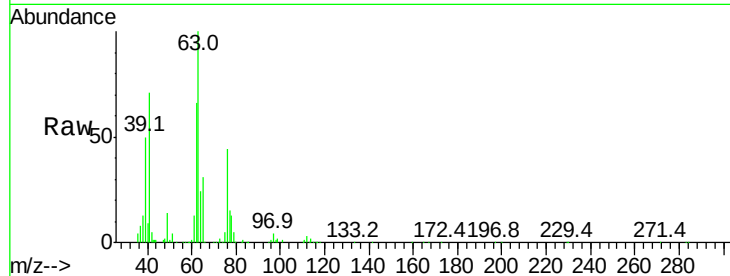
Tgt Ion: 63 Resp: 317292

Ion Ratio Lower Upper

63 100

41 71.4 55.8 83.6

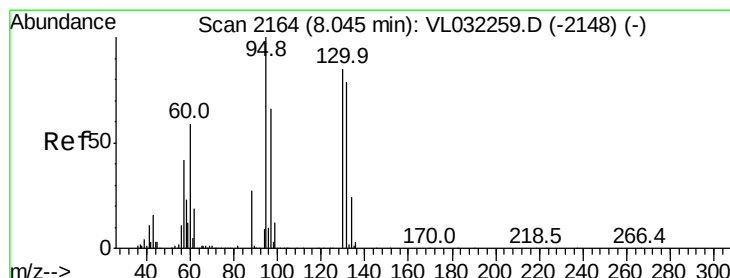
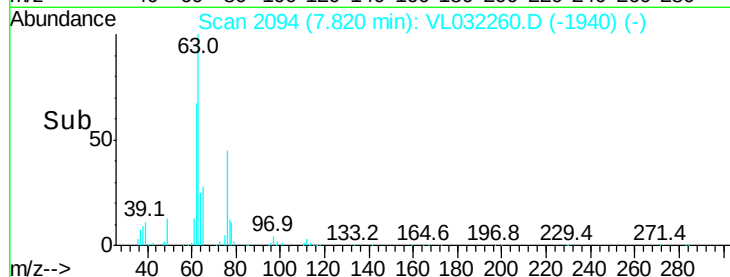
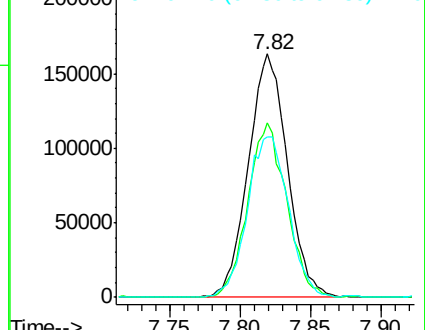
62 65.8 53.8 80.8



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 1.628 ppbv

RT: 8.06 min Scan# 2169

Delta R.T. 0.02 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Tgt Ion: 88 Resp: 85354

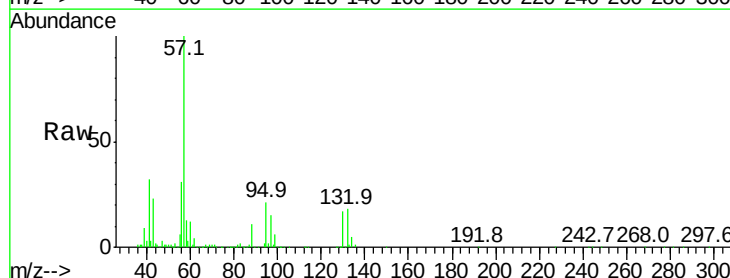
Ion Ratio Lower Upper

88 100

58 168.6 60.9 91.3#

43 354.8 0.0 0.0#

57 1676.1 0.0 0.0#

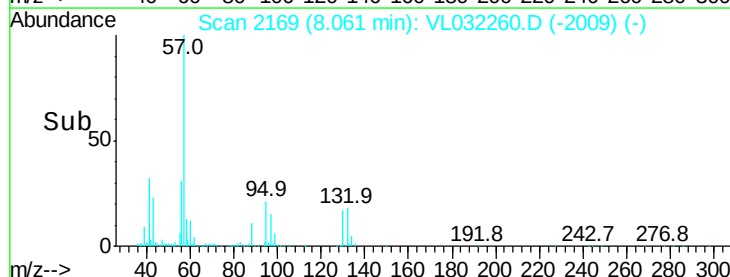
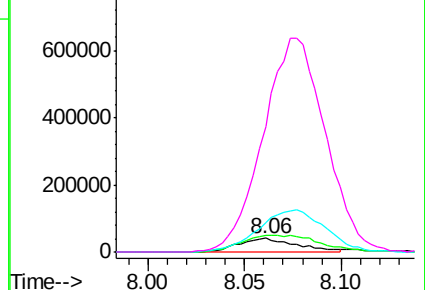


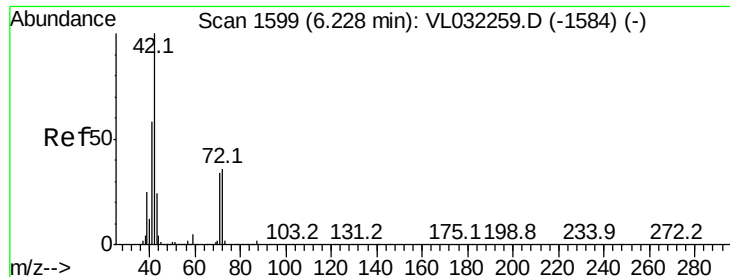
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 2.244 ppbv

RT: 6.23 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

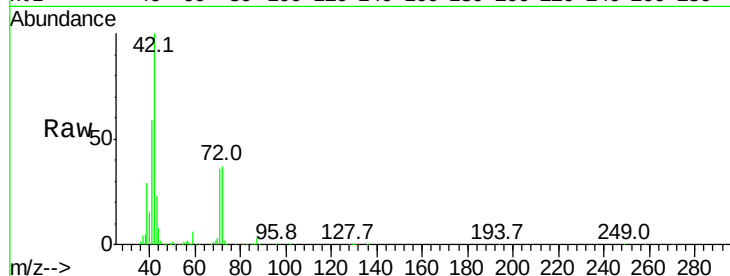
Tgt Ion: 42 Resp: 331155

Ion Ratio Lower Upper

42 100

72 36.5 29.4 44.0

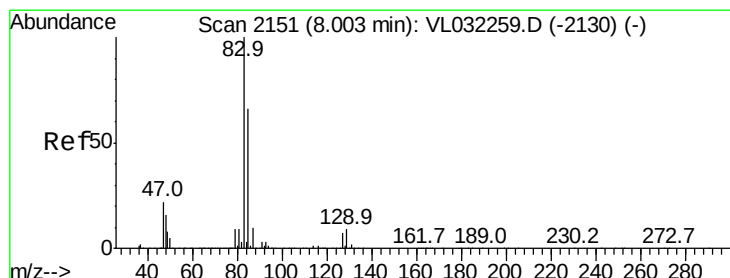
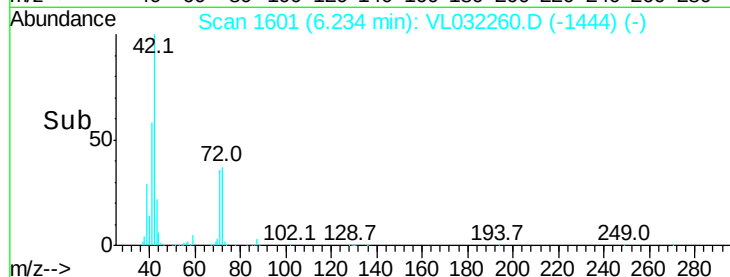
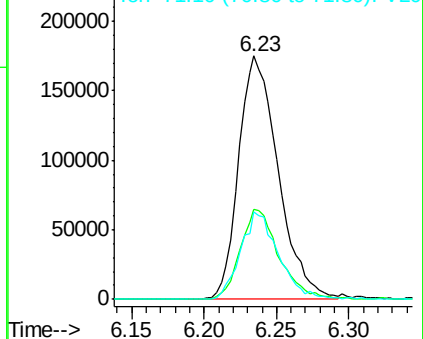
71 34.6 28.2 42.4



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: 2.024 ppbv

RT: 8.00 min Scan# 2150

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

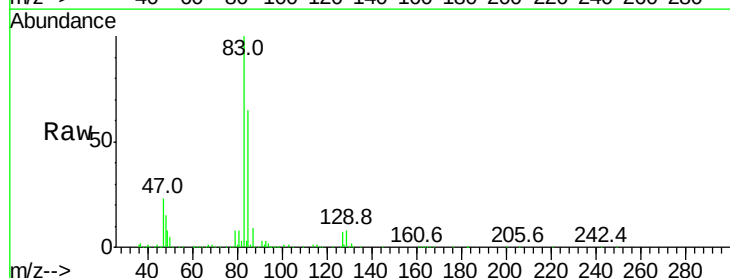
Tgt Ion: 83 Resp: 607013

Ion Ratio Lower Upper

83 100

85 65.1 53.0 79.4

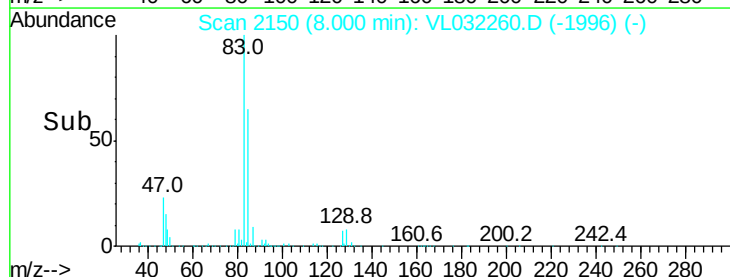
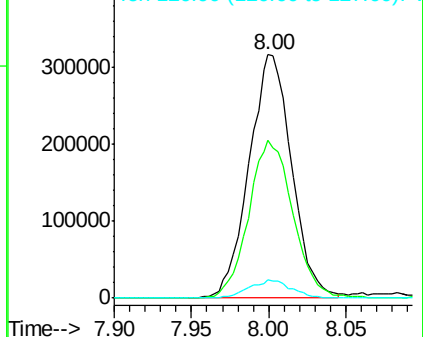
127 7.4 5.7 8.5

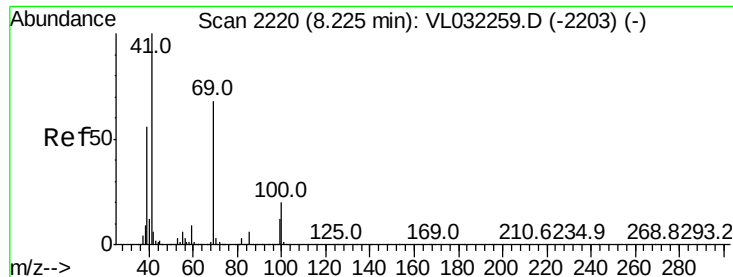


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 2.138 ppbv

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

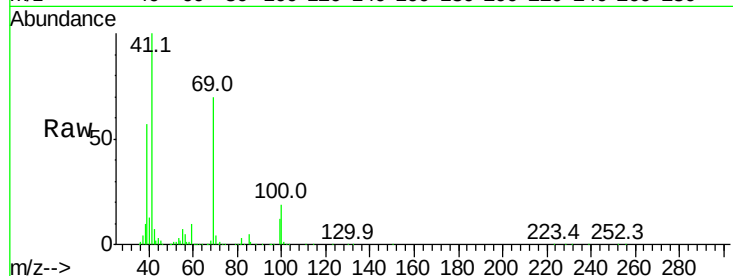
Tgt Ion: 69 Resp: 317838

Ion Ratio Lower Upper

69 100

41 145.2 118.6 177.8

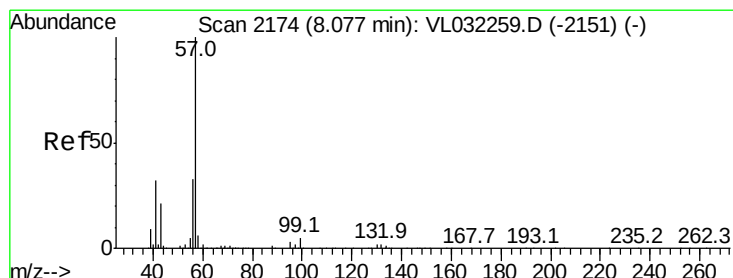
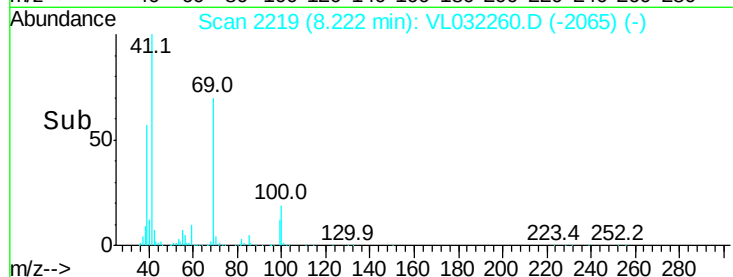
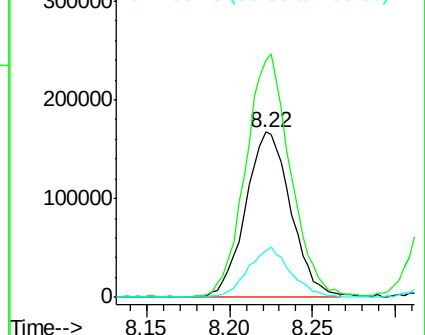
100 28.7 23.3 34.9



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 2.156 ppbv

RT: 8.07 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

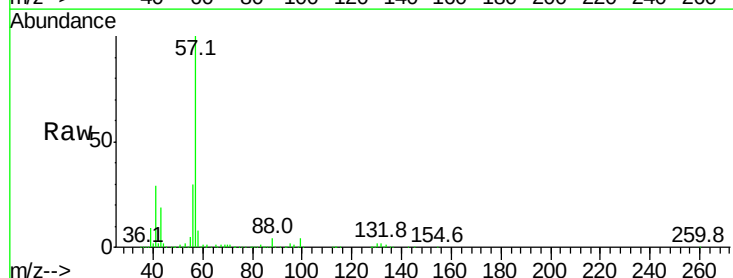
Tgt Ion: 57 Resp: 1426294

Ion Ratio Lower Upper

57 100

41 29.9 24.4 36.6

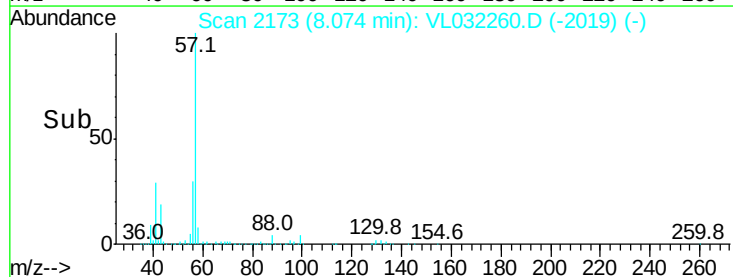
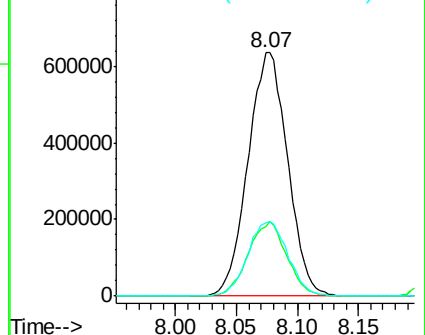
56 31.0 25.7 38.5

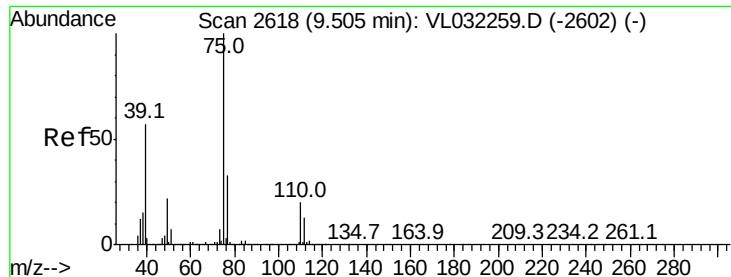


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 2.360 ppbv

RT: 9.50 min Scan# 2618

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

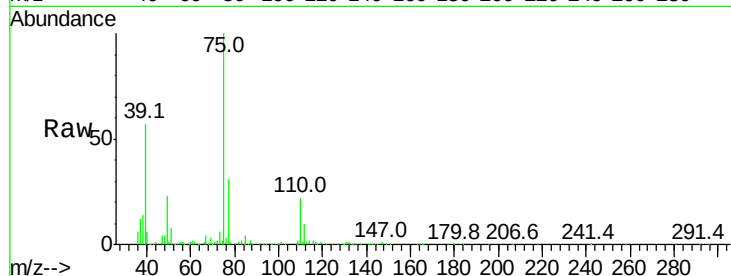
VSTDIC002

Tgt Ion: 75 Resp: 417692

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.50

200000

150000

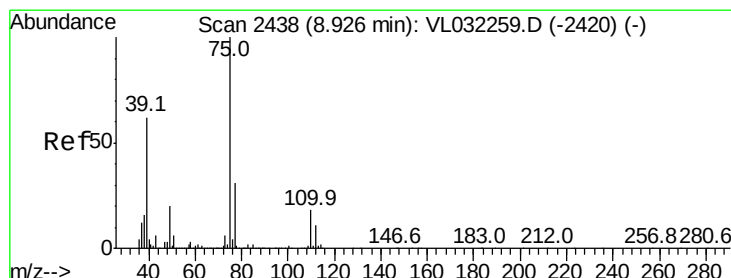
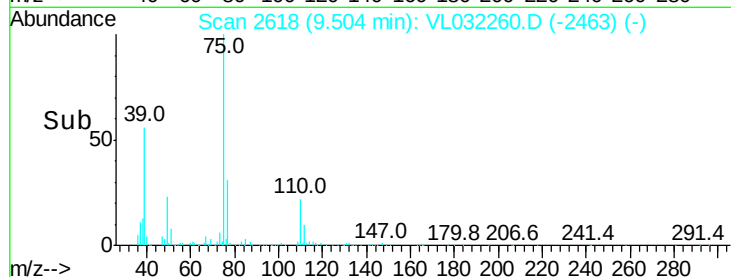
100000

50000

0

9.45 9.50 9.55

Time-->



#46

cis-1,3-Dichloropropene

Concen: 1.930 ppbv

RT: 8.92 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

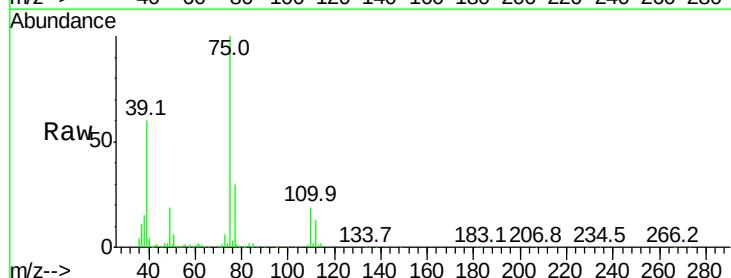
Tgt Ion: 75 Resp: 465900

Ion Ratio Lower Upper

75 100

39 60.4 49.9 74.9

77 30.2 25.0 37.4



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

300000

250000

200000

150000

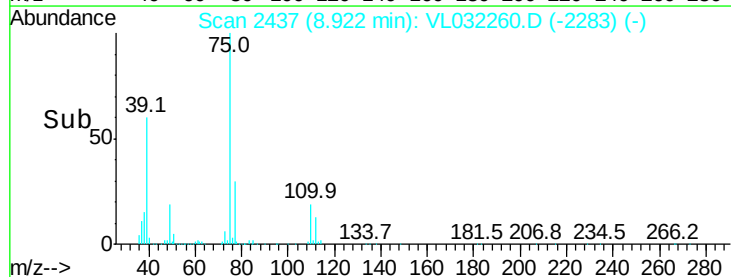
100000

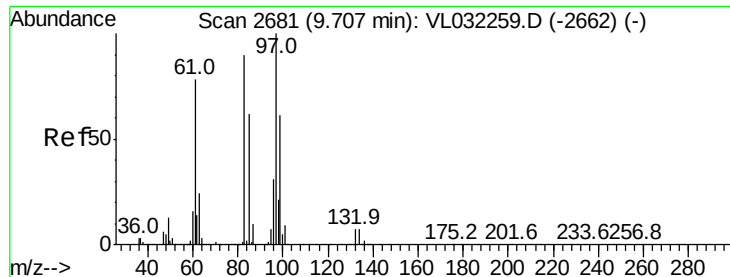
50000

0

8.85 8.90 8.95 9.00

Time-->





#47

1,1,2-Trichloroethane

Concen: 1.902 ppbv

RT: 9.70 min Scan# 2679

Delta R.T. -0.01 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 324742

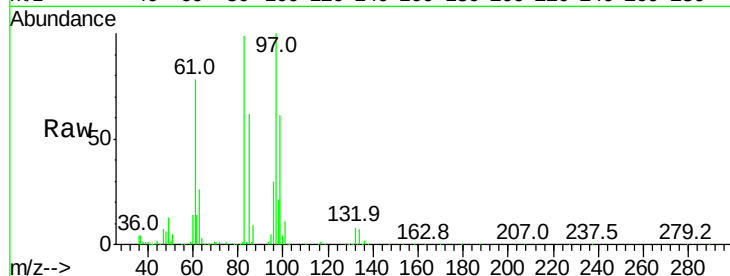
Ion Ratio Lower Upper

97 100

83 98.3 72.3 108.5

85 61.0 49.5 74.3

99 60.5 48.9 73.3

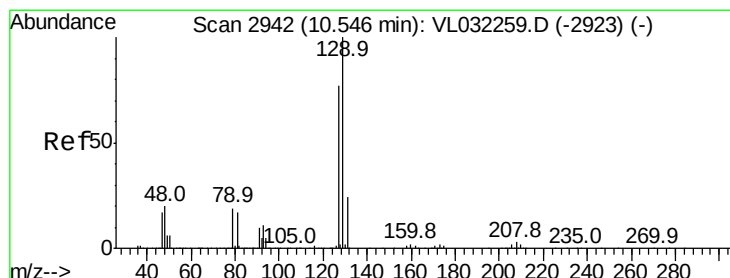
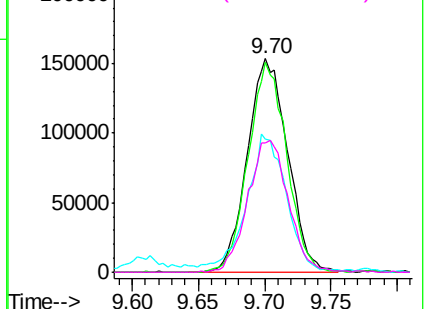
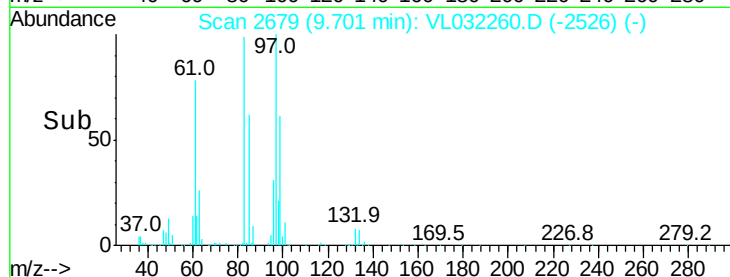


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 2.109 ppbv

RT: 10.54 min Scan# 2940

Delta R.T. -0.01 min

Lab File: VL032260.D

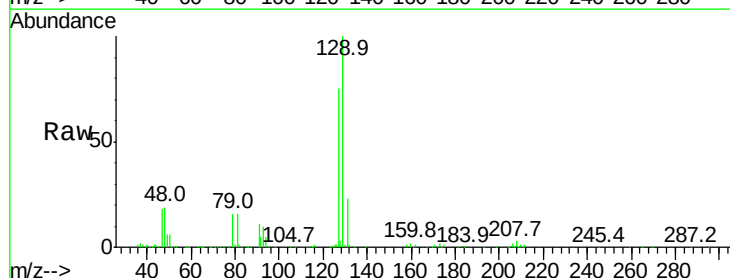
Acq: 18 Jul 2018 10:00

Tgt Ion: 129 Resp: 535759

Ion Ratio Lower Upper

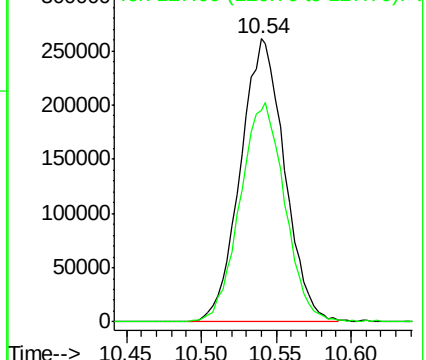
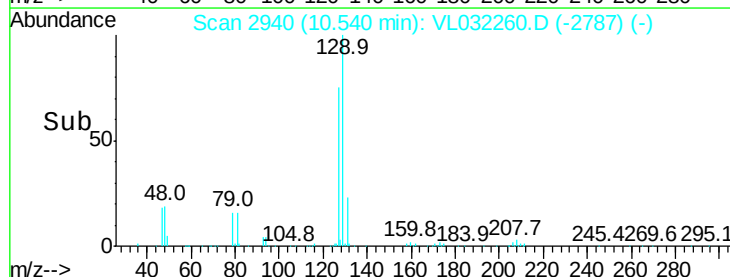
129 100

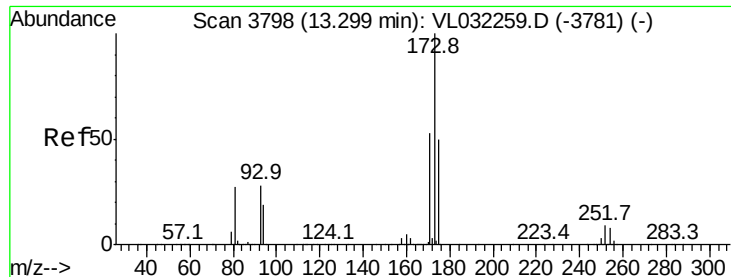
127 78.7 39.1 117.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 2.212 ppbv

RT: 13.30 min Scan# 3797

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

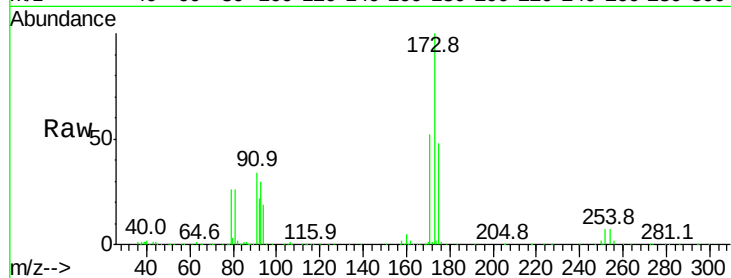
Tgt Ion:173 Resp: 450474

Ion Ratio Lower Upper

173 100

175 48.2 39.0 58.6

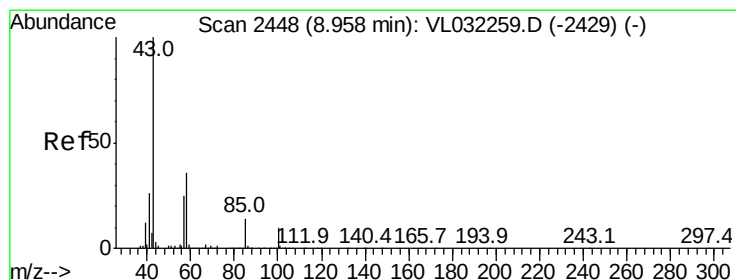
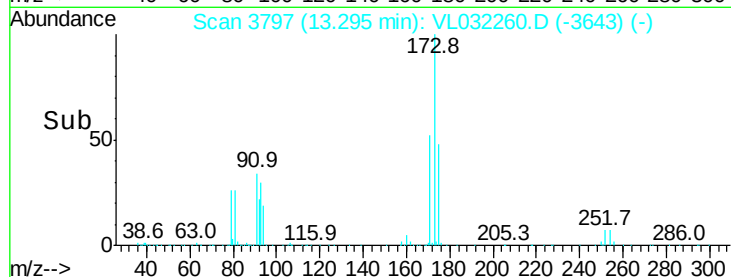
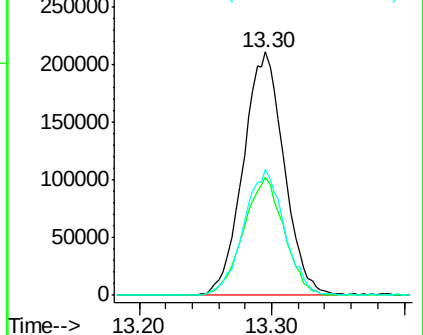
171 51.9 41.6 62.4



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: 1.930 ppbv

RT: 8.96 min Scan# 2449

Delta R.T. 0.00 min

Lab File: VL032260.D

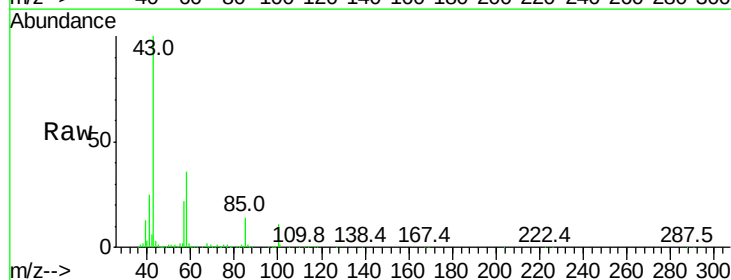
Acq: 18 Jul 2018 10:00

Tgt Ion: 43 Resp: 880529

Ion Ratio Lower Upper

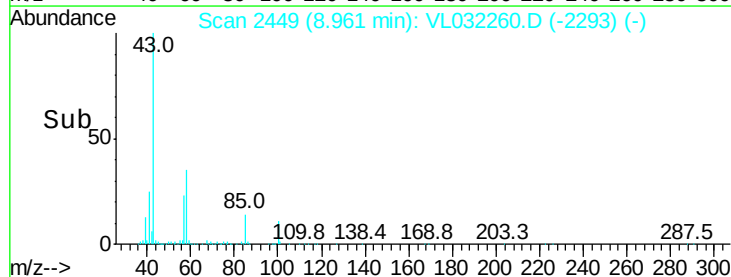
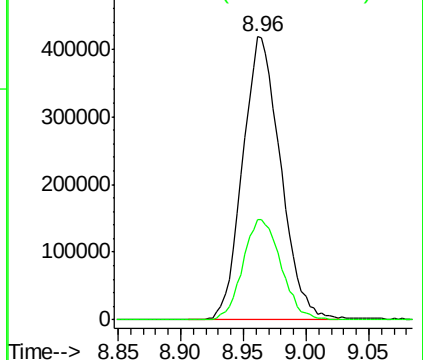
43 100

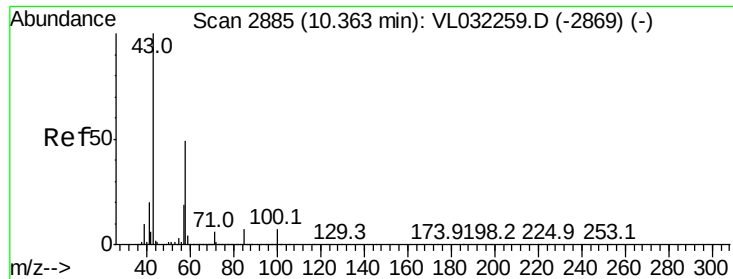
58 36.0 29.2 43.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 1.134 ppbv

RT: 10.37 min Scan# 2887

Delta R.T. 0.01 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

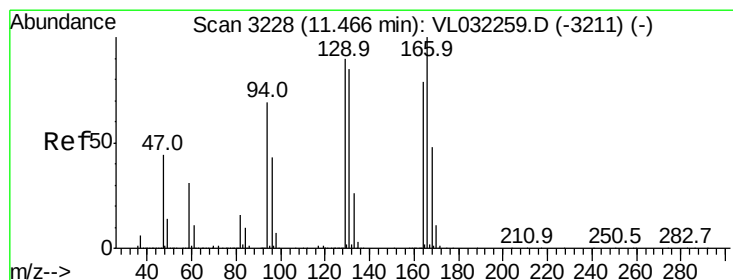
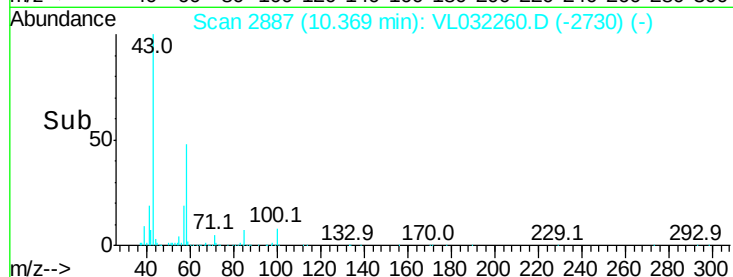
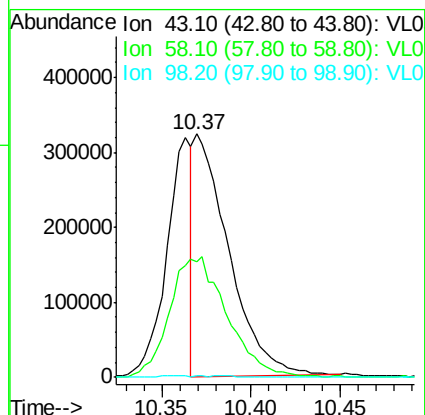
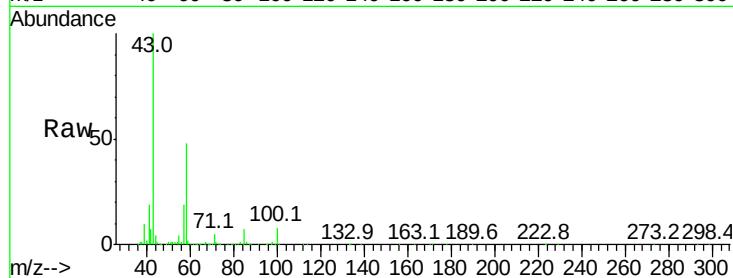
Tgt Ion: 43 Resp: 431990

Ion Ratio Lower Upper

43 100

58 83.8 39.4 59.2#

98 1.3 0.2 0.2#



#52

Tetrachloroethene

Concen: 1.922 ppbv

RT: 11.46 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Tgt Ion: 164 Resp: 273181

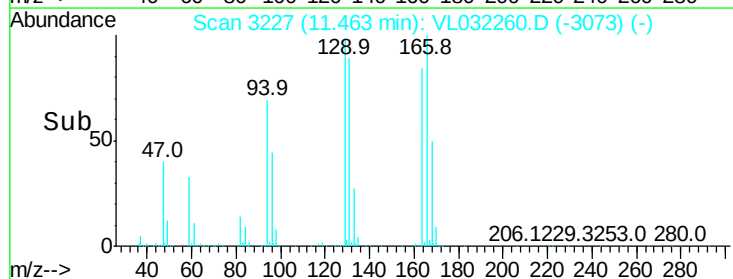
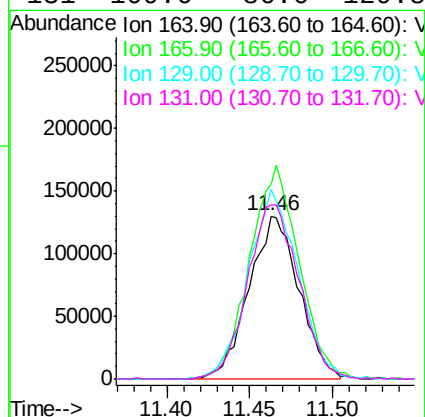
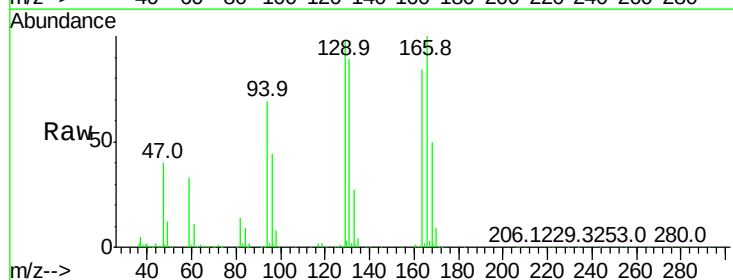
Ion Ratio Lower Upper

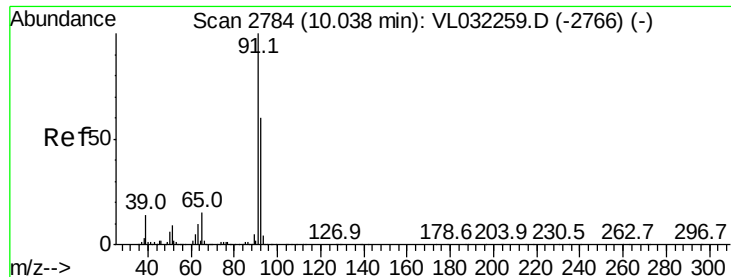
164 100

166 119.4 101.7 152.5

129 116.3 91.5 137.3

131 109.6 86.6 129.8





#53

Toluene

Concen: 2.250 ppbv

RT: 10.03 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

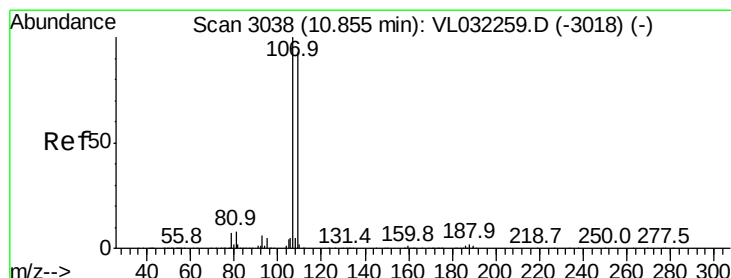
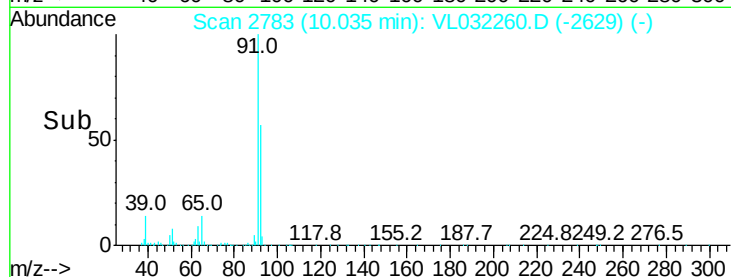
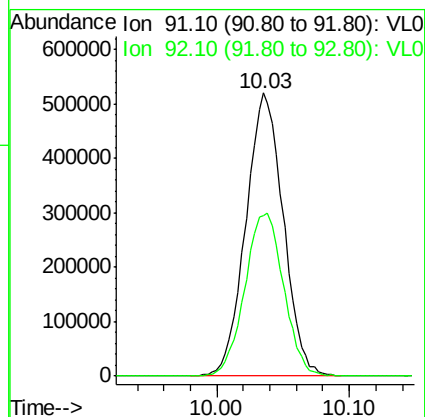
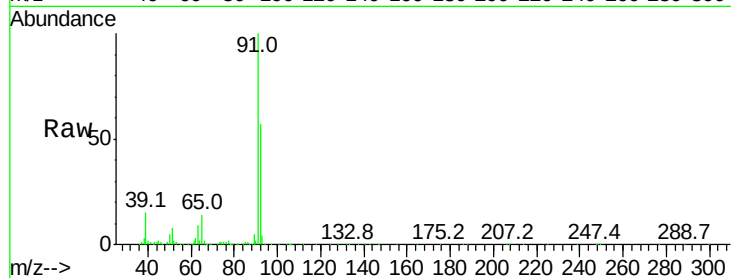
VSTDIC002

Tgt Ion: 91 Resp: 1022968

Ion Ratio Lower Upper

91 100

92 59.9 48.6 72.8



#54

1,2-Dibromoethane

Concen: 2.150 ppbv

RT: 10.85 min Scan# 3037

Delta R.T. -0.00 min

Lab File: VL032260.D

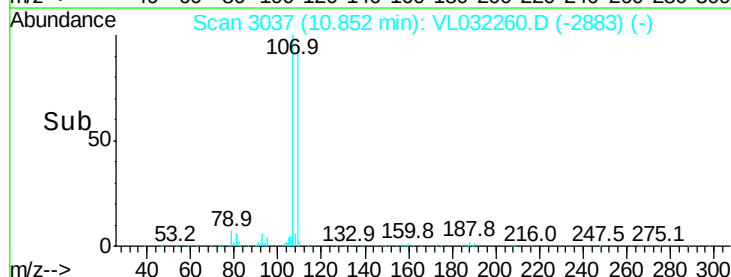
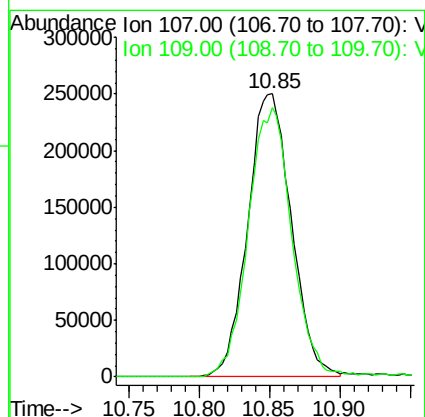
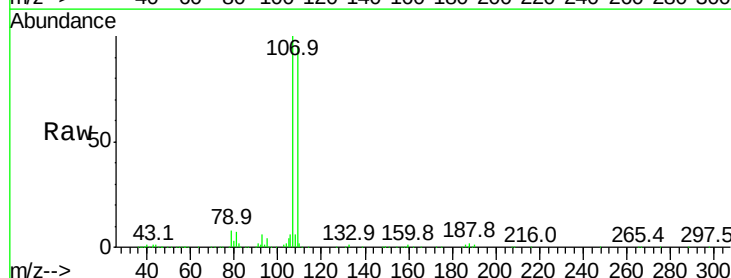
Acq: 18 Jul 2018 10:00

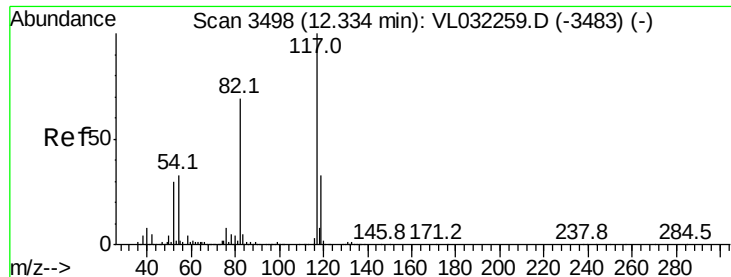
Tgt Ion: 107 Resp: 541991

Ion Ratio Lower Upper

107 100

109 94.9 74.8 112.2

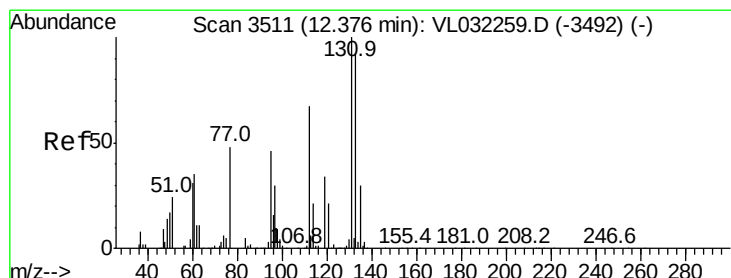
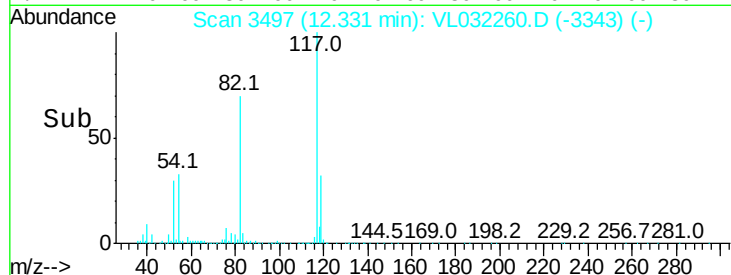
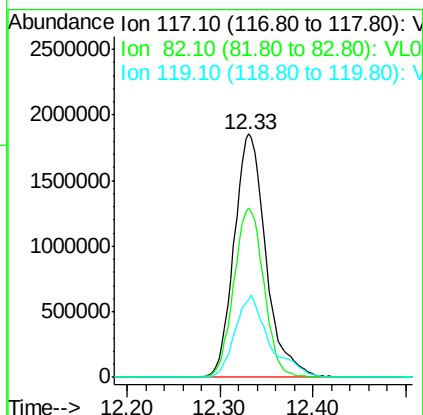
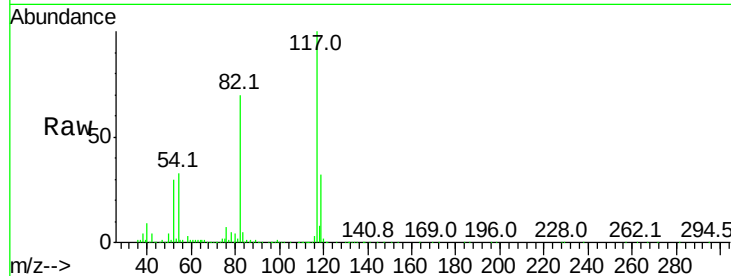




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3497
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

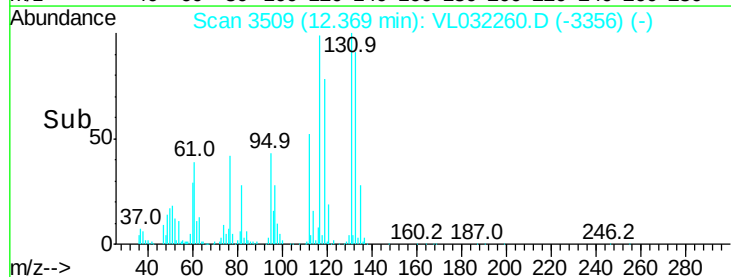
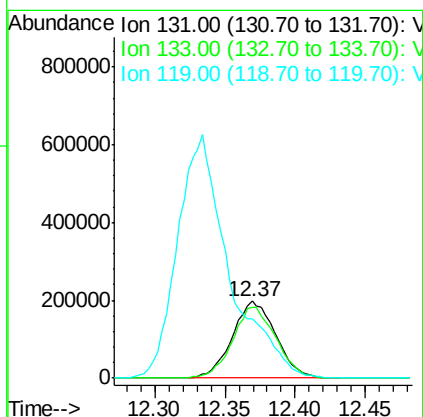
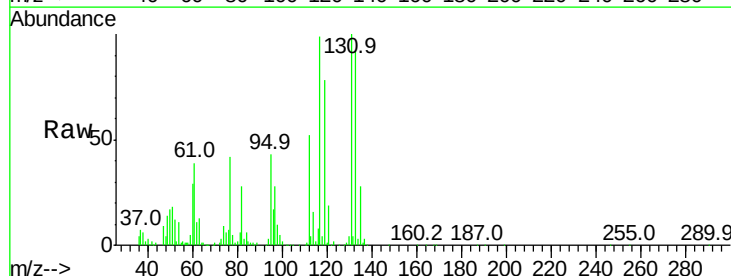
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

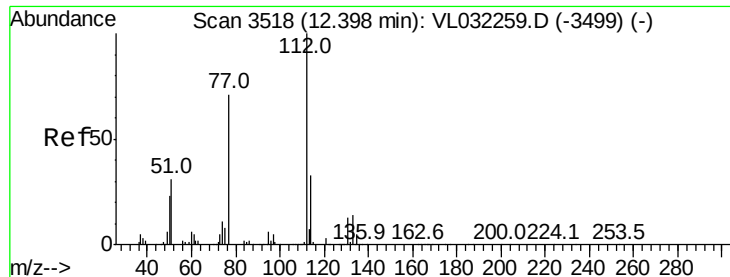
Tgt Ion:117 Resp: 4410288
Ion Ratio Lower Upper
117 100
82 65.9 53.9 80.9
119 36.3 25.5 38.3



#56
1,1,1,2-Tetrachloroethane
Concen: 2.221 ppbv
RT: 12.37 min Scan# 3509
Delta R.T. -0.01 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Tgt Ion:131 Resp: 425408
Ion Ratio Lower Upper
131 100
133 93.4 75.4 113.0
119 376.2 49.4 74.2#

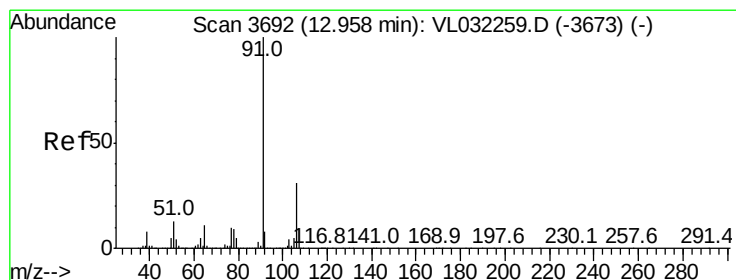
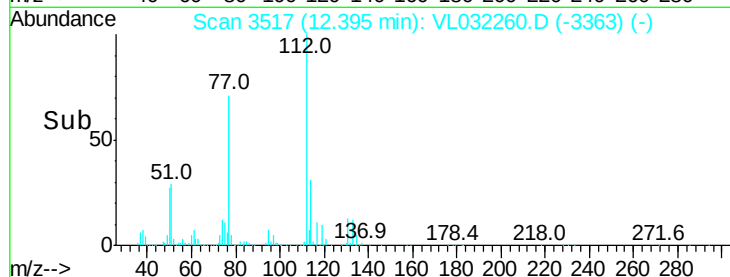
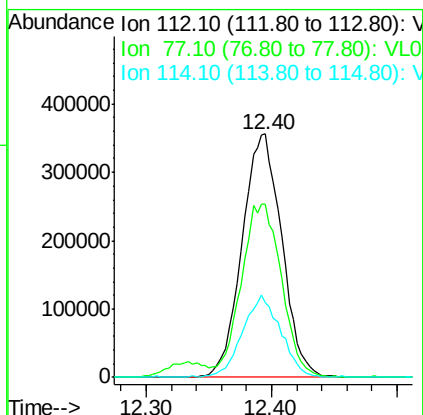
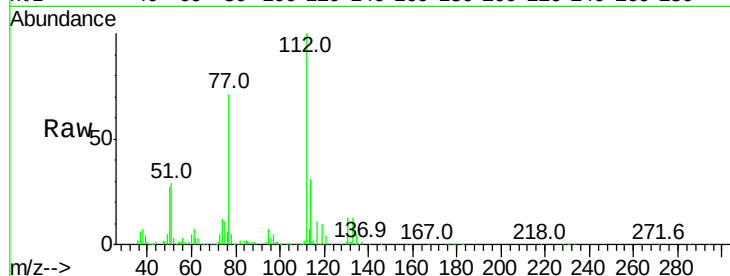




#57
Chlorobenzene
Concen: 2.090 ppbv
RT: 12.40 min Scan# 3517
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

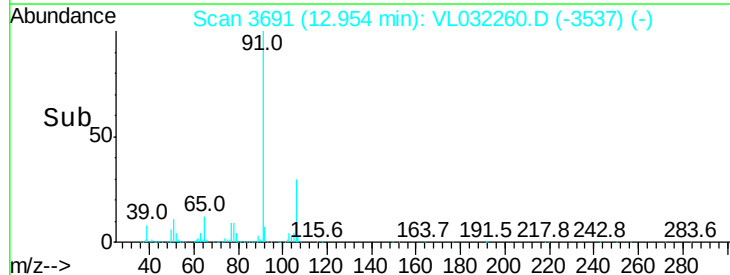
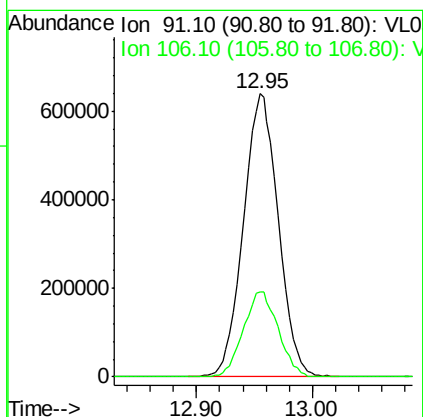
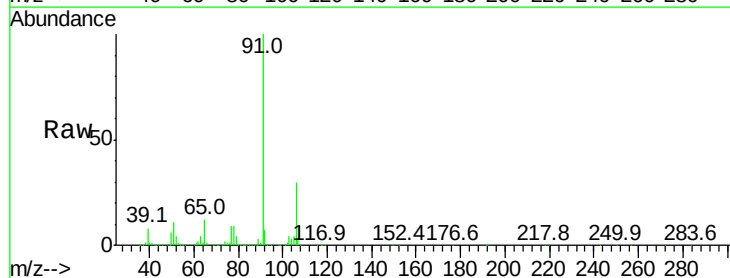
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

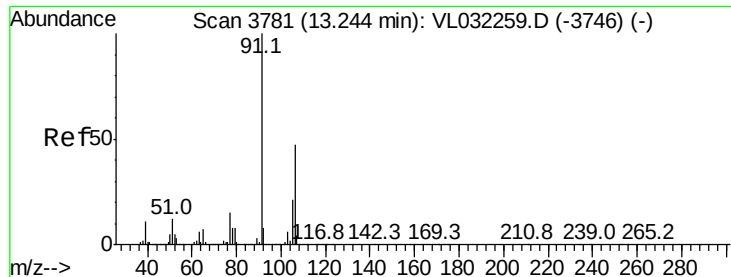
Tgt Ion: 112 Resp: 779033
Ion Ratio Lower Upper
112 100
77 70.7 58.2 87.4
114 30.4 29.5 36.1



#58
Ethyl Benzene
Concen: 2.085 ppbv
RT: 12.95 min Scan# 3691
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Tgt Ion: 91 Resp: 1338708
Ion Ratio Lower Upper
91 100
106 30.1 24.5 36.7

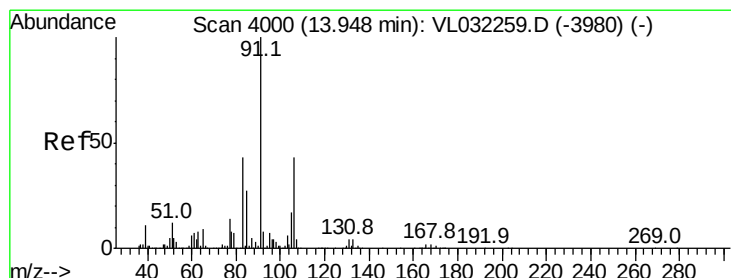
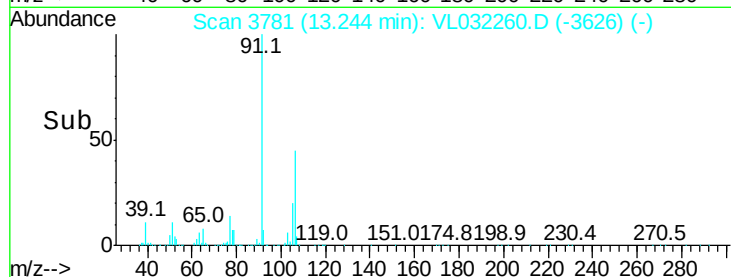
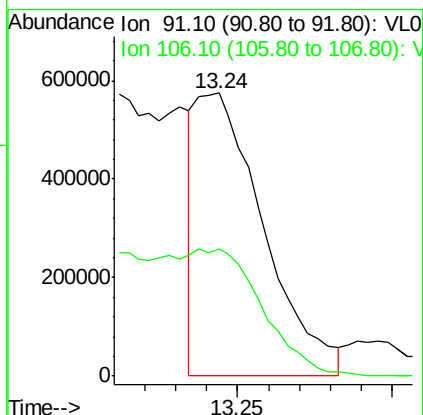
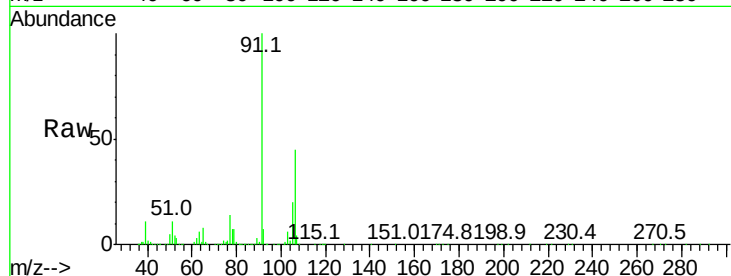




#59
m/p-Xylene
Concen: 1.630 ppbv
RT: 13.24 min Scan# 3781
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

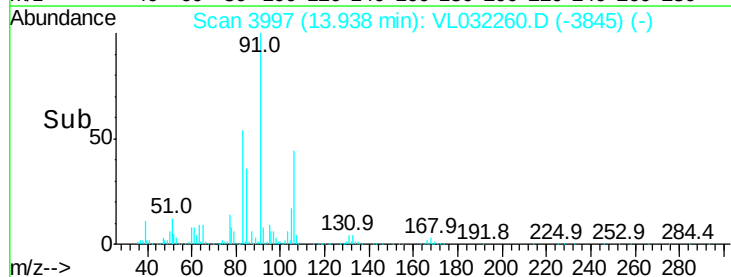
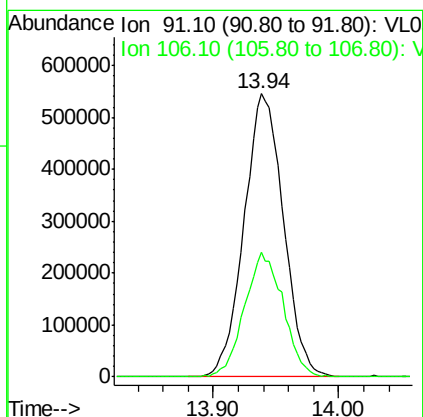
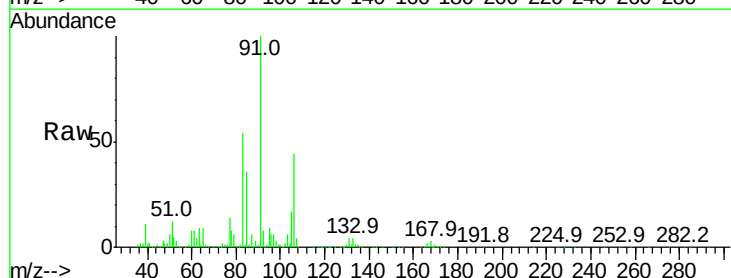
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

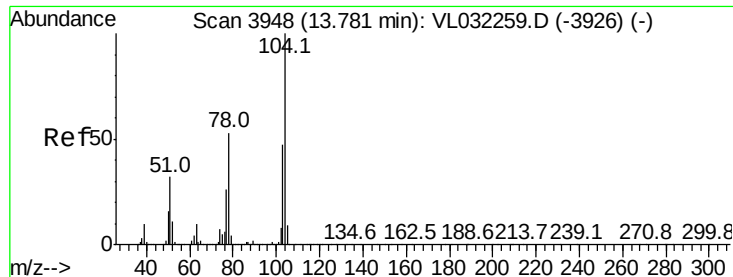
Tgt Ion: 91 Resp: 861488
Ion Ratio Lower Upper
91 100
106 116.5 36.2 54.2#



#60
o-Xylene
Concen: 2.277 ppbv
RT: 13.94 min Scan# 3997
Delta R.T. -0.01 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Tgt Ion: 91 Resp: 1187195
Ion Ratio Lower Upper
91 100
106 43.4 21.7 65.1





#61

Styrene

Concen: 2.117 ppbv

RT: 13.78 min Scan# 3947

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

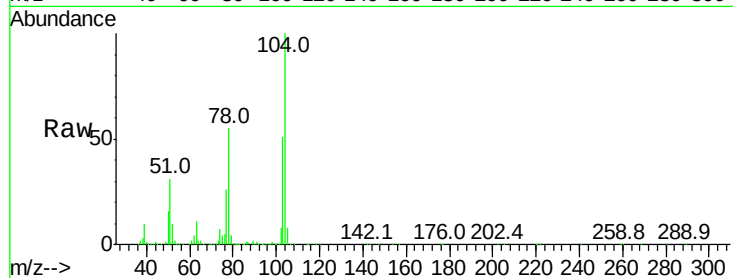
Tgt Ion:104 Resp: 827117

Ion Ratio Lower Upper

104 100

78 55.3 43.2 64.8

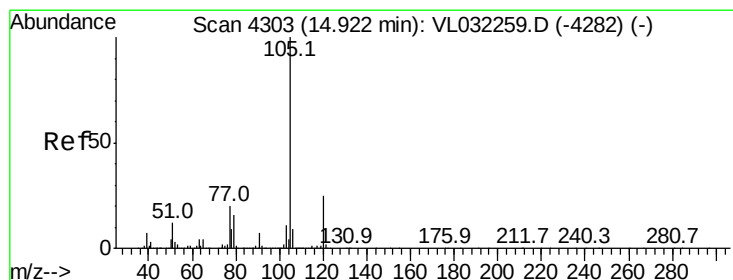
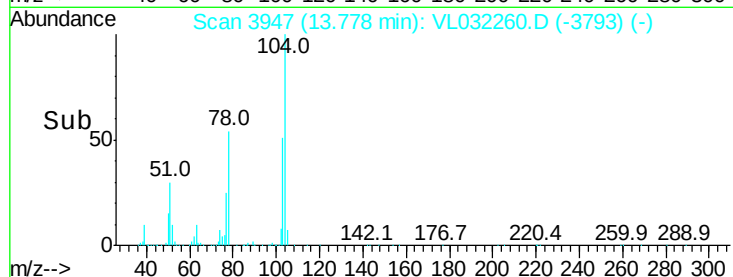
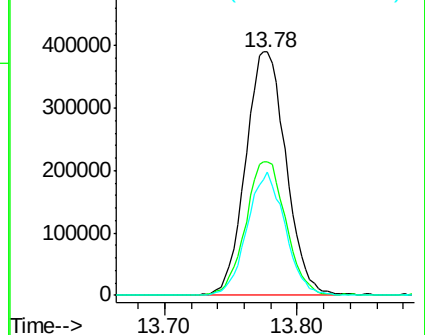
103 47.7 37.8 56.6



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: 2.242 ppbv

RT: 14.92 min Scan# 4301

Delta R.T. -0.01 min

Lab File: VL032260.D

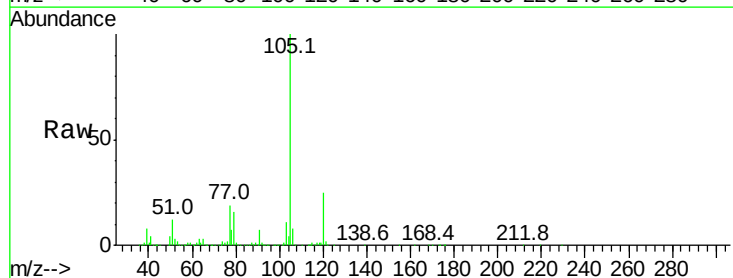
Acq: 18 Jul 2018 10:00

Tgt Ion:105 Resp: 1639326

Ion Ratio Lower Upper

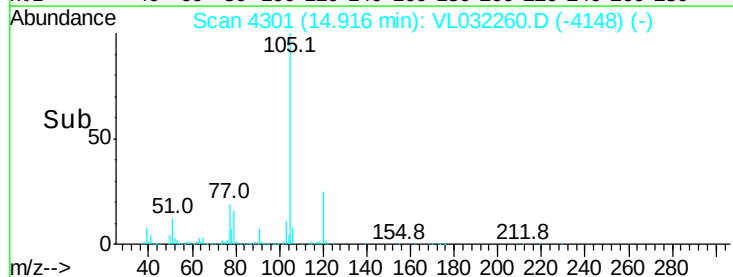
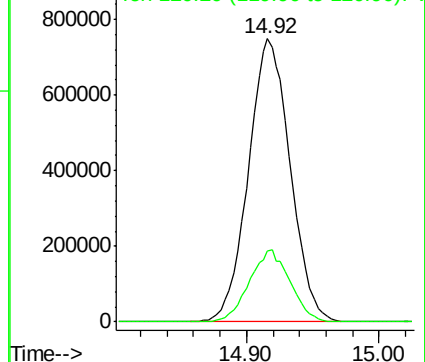
105 100

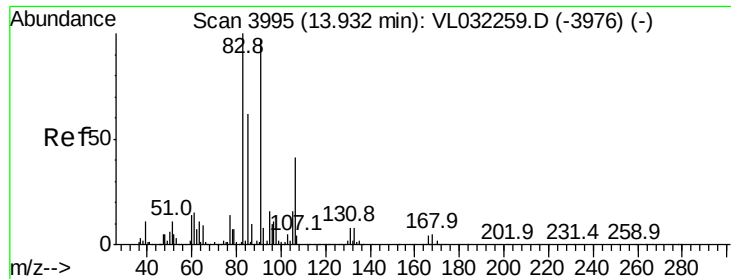
120 24.8 20.2 30.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

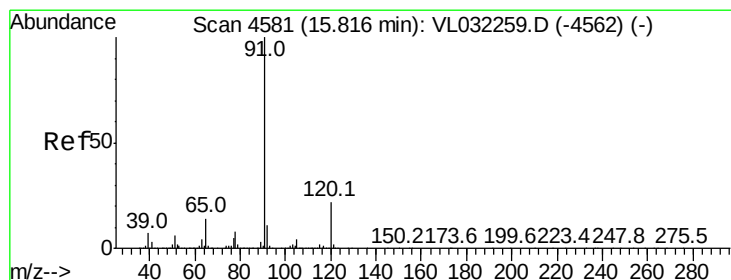
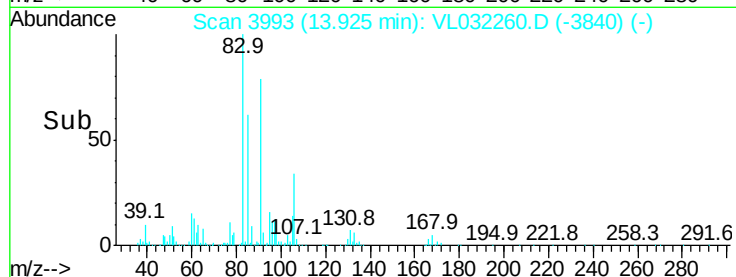
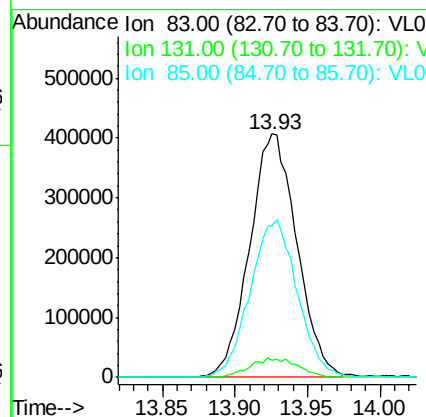
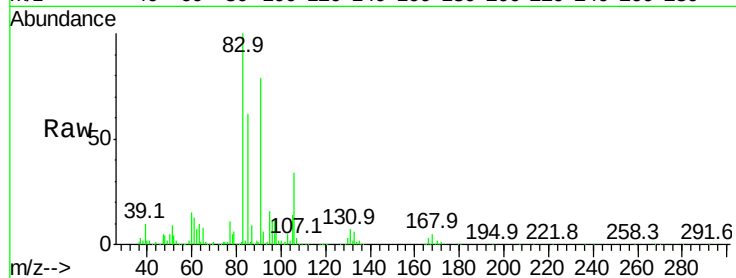




#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.168 ppbv
 RT: 13.93 min Scan# 3993
 Delta R.T. -0.01 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

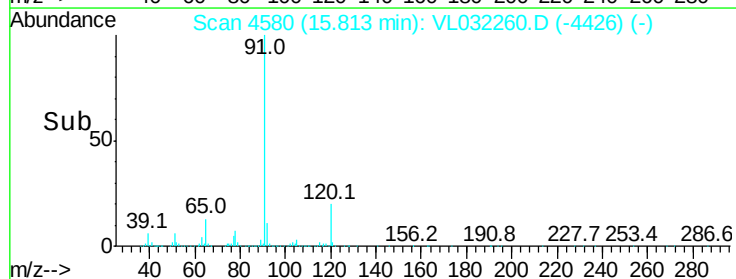
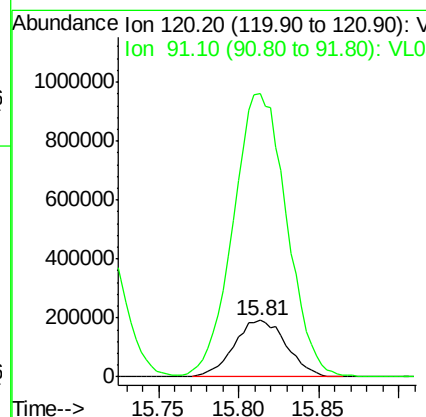
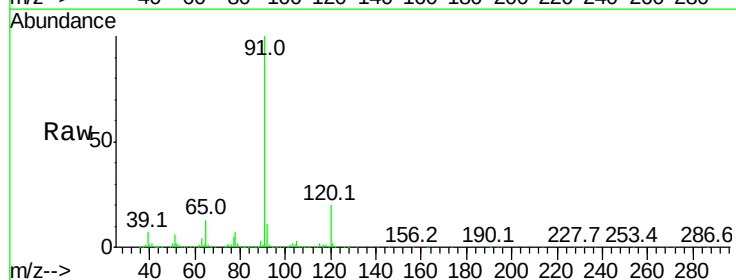
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

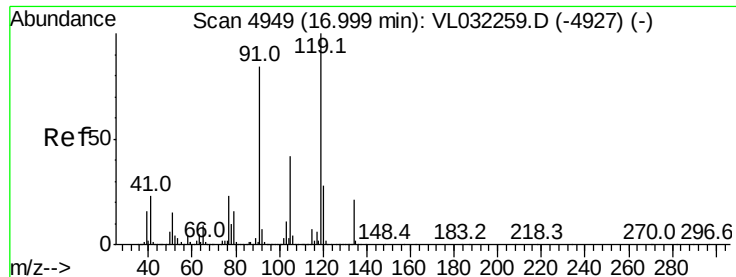
Tgt Ion: 83 Resp: 919625
 Ion Ratio Lower Upper
 83 100
 131 8.1 4.2 12.6
 85 65.1 32.2 96.6



#64
 n-propylbenzene
 Concen: 2.322 ppbv
 RT: 15.81 min Scan# 4580
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Tgt Ion: 120 Resp: 429789
 Ion Ratio Lower Upper
 120 100
 91 511.6 384.4 576.6

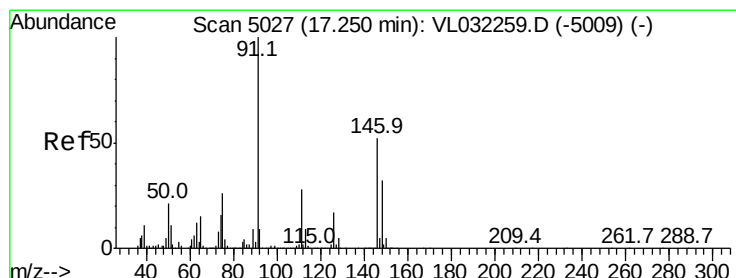
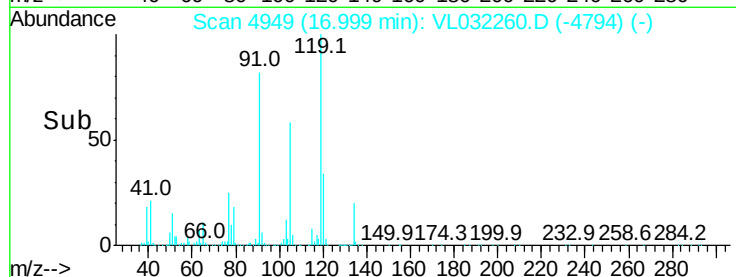
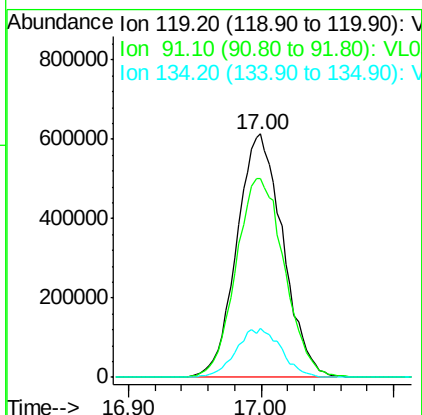
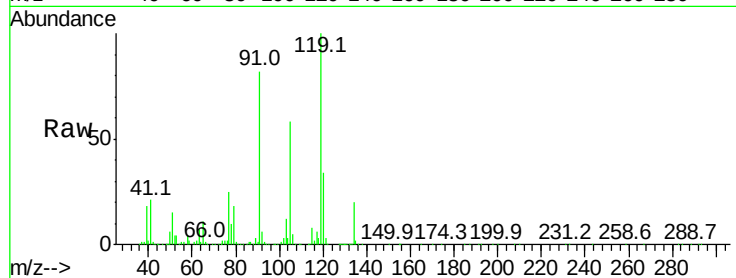




#65
 tert-Butylbenzene
 Concen: 2.402 ppbv
 RT: 17.00 min Scan# 4949
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

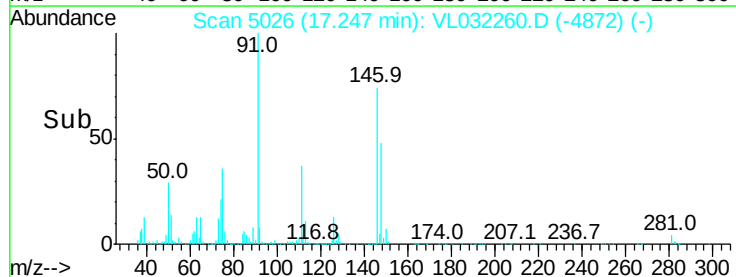
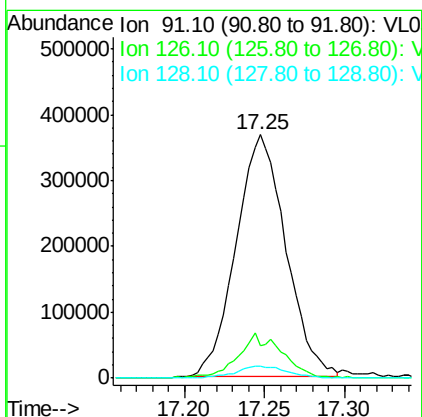
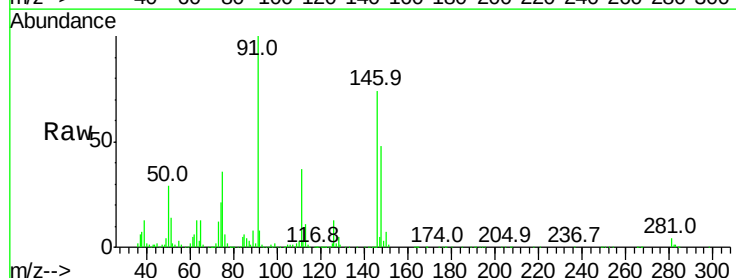
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

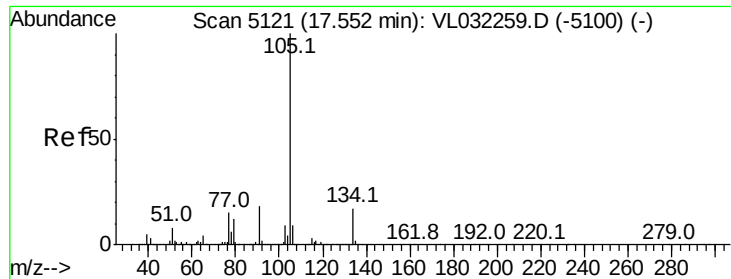
Tgt Ion: 119 Resp: 1471192
 Ion Ratio Lower Upper
 119 100
 91 86.9 68.2 102.4
 134 19.8 15.6 23.4



#66
 Benzyl Chloride
 Concen: 2.521 ppbv
 RT: 17.25 min Scan# 5026
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Tgt Ion: 91 Resp: 781355
 Ion Ratio Lower Upper
 91 100
 126 16.9 13.4 20.2
 128 5.4 4.3 6.5

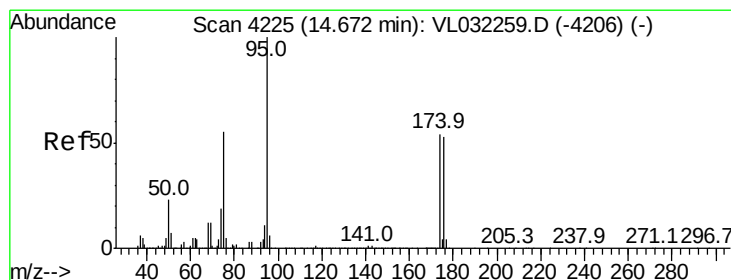
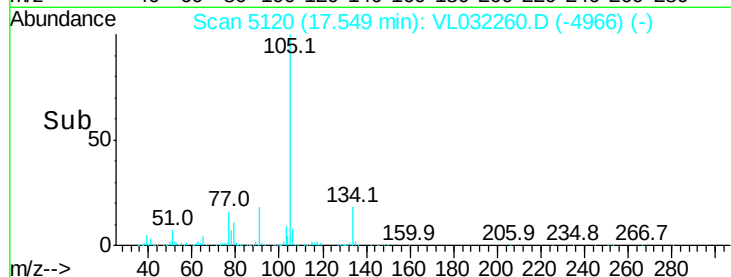
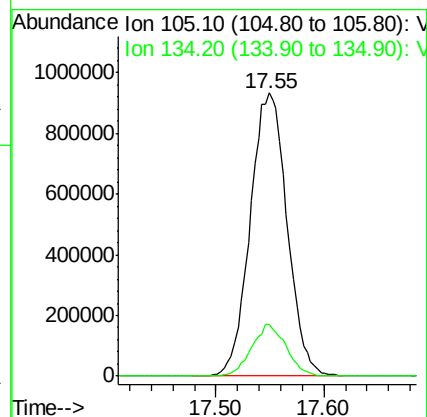
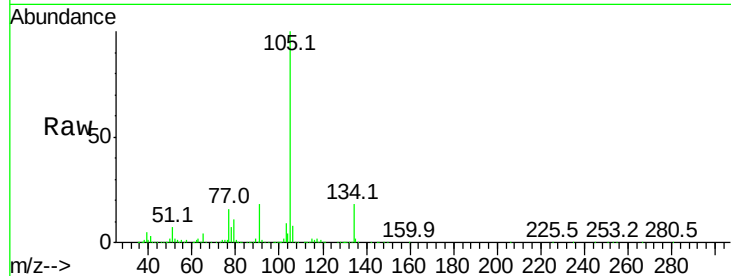




#67
 sec-Butylbenzene
 Concen: 2.476 ppbv
 RT: 17.55 min Scan# 5120
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

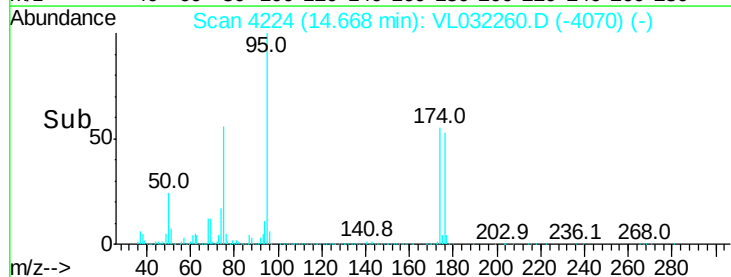
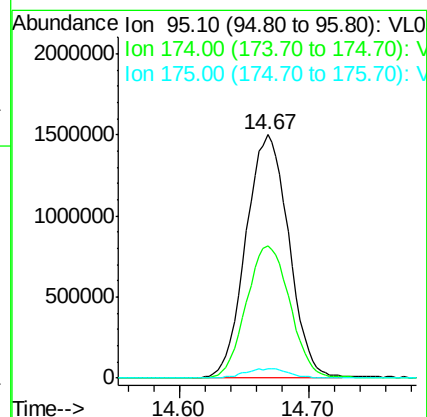
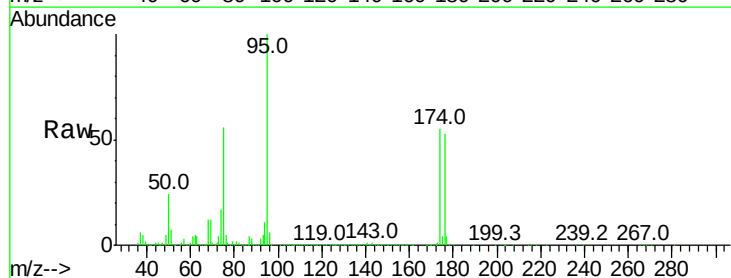
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

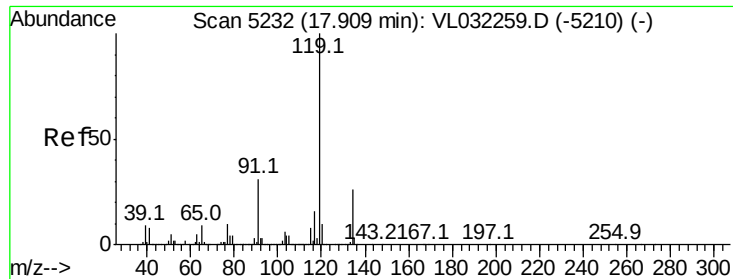
Tgt Ion: 105 Resp: 2215525
 Ion Ratio Lower Upper
 105 100
 134 17.1 14.0 21.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.191 ppbv
 RT: 14.67 min Scan# 4224
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Tgt Ion: 95 Resp: 3479406
 Ion Ratio Lower Upper
 95 100
 174 55.8 44.3 66.5
 175 4.0 3.3 4.9

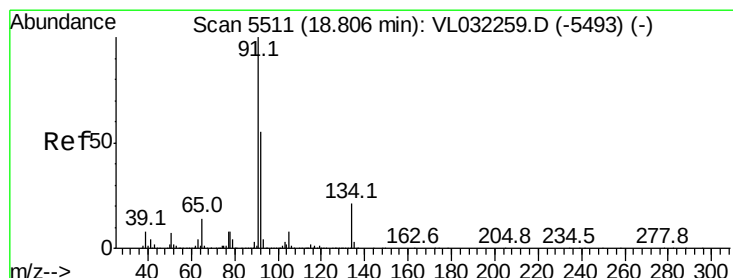
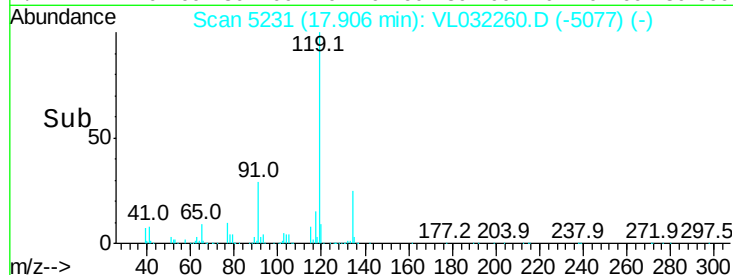
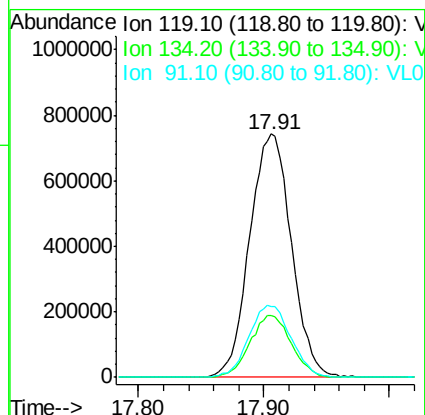
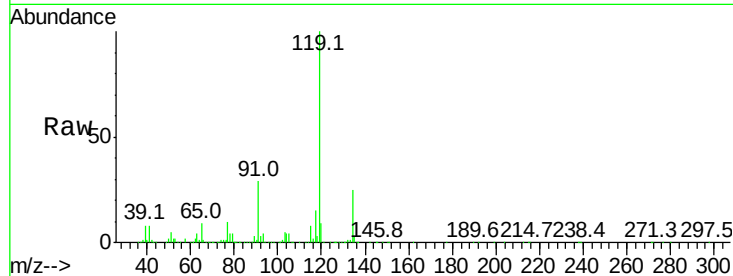




#69
 p-Isopropyltoluene
 Concen: 2.462 ppbv
 RT: 17.91 min Scan# 5231
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

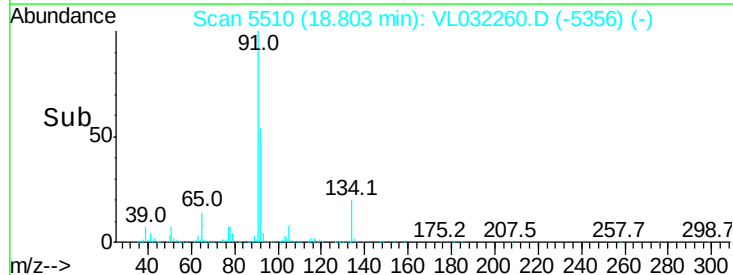
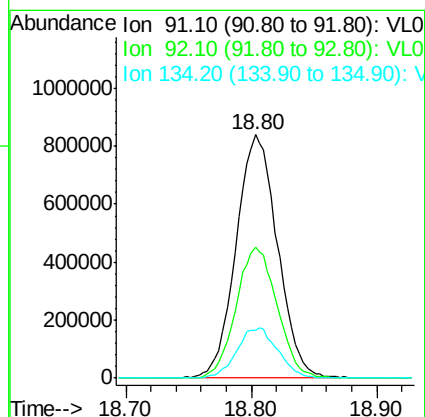
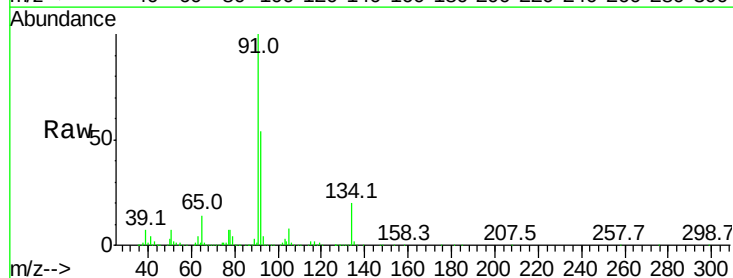
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

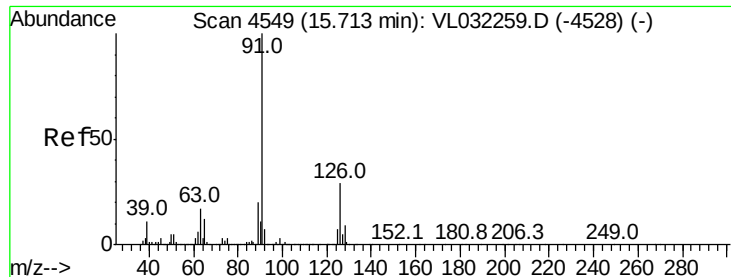
Tgt Ion: 119 Resp: 1715230
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.3 30.5
 91 30.1 24.1 36.1



#70
 n-Butylbenzene
 Concen: 2.477 ppbv
 RT: 18.80 min Scan# 5510
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Tgt Ion: 91 Resp: 1906411
 Ion Ratio Lower Upper
 91 100
 92 53.9 43.8 65.6
 134 20.6 17.1 25.7





#71

2-Chlorotoluene

Concen: 2.383 ppbv

RT: 15.71 min Scan# 4548

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

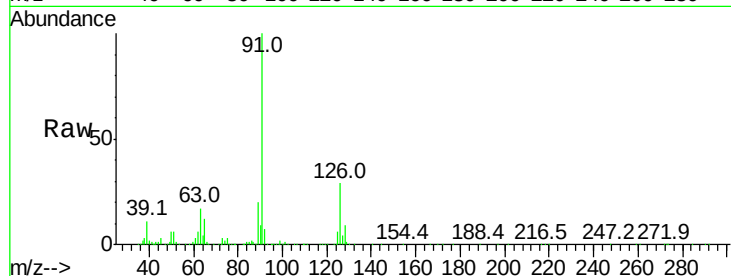
VSTDIC002

Tgt Ion: 91 Resp: 1371109

Ion Ratio Lower Upper

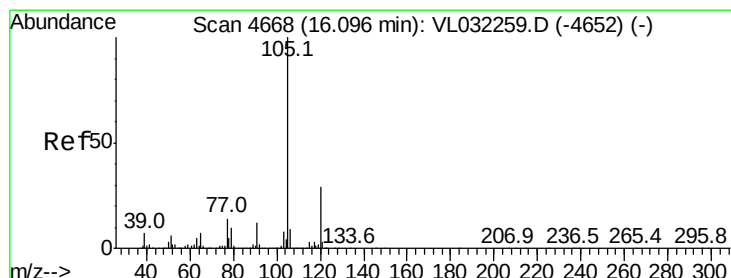
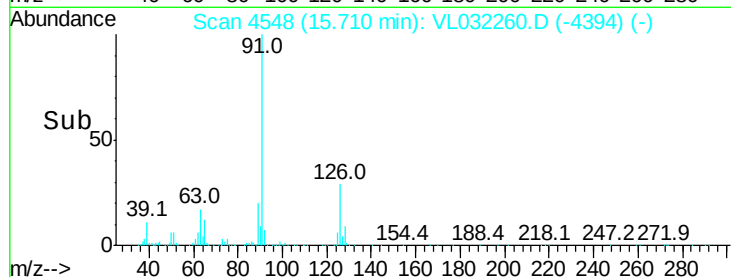
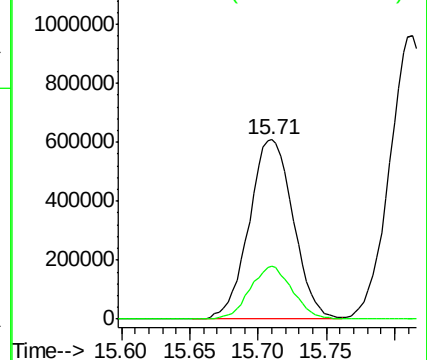
91 100

126 28.1 11.6 46.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 2.330 ppbv

RT: 16.09 min Scan# 4666

Delta R.T. -0.01 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Tgt Ion: 105 Resp: 1362939

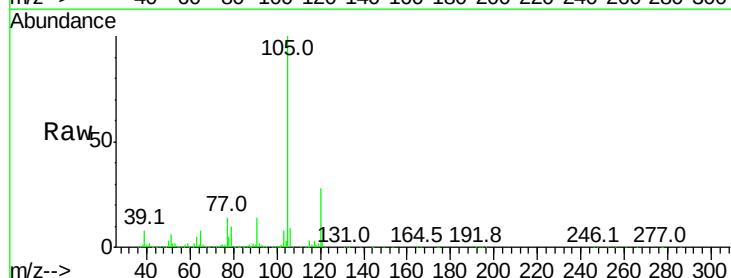
Ion Ratio Lower Upper

105 100

120 29.2 23.0 34.6

91 13.0 10.1 15.1

77 14.6 11.4 17.0



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

