

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070518\
 Data File : VL032224.D
 Acq On : 6 Jul 2018 4:24
 Operator : SY/AP
 Sample : J3867-01DUP 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 539BDL

Quant Time: Jul 06 07:28:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	2023787	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3910078	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.33	117	3954892	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3024814	10.01	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	788	0.003	ppbv	97
3) Chlorodifluoromethane	3.07	51	17101	0.069	ppbv	98
4) Chloromethane	3.22	50	6487	0.049	ppbv	95
5) Vinyl Chloride	3.44	62	70	0.001	ppbv #	42
6) Bromomethane	3.58	94	87	0.001	ppbv #	3
7) Chloroethane	3.66	64	83	0.002	ppbv #	41
8) Dichlorotetrafluoroethane	3.28	85	580	0.002	ppbv	99
9) Propene	3.10	41	15071	0.131	ppbv	95
10) Heptane	8.33	43	2122	0.006	ppbv #	1
11) Trichlorofluoromethane	4.07	101	7520	0.026	ppbv	90
12) 1,1,2-Trichlorotrifluoroet	4.62	101	211	0.001	ppbv #	13
13) Ethanol	3.72	45	70997	2.032	ppbv #	58
14) Bromoethene	4.05	108	71	0.001	ppbv #	1
15) Acetone	3.97	43	572357	2.419	ppbv	100
16) 1,3-Butadiene	3.42	39	410	0.004	ppbv	93
17) tert-Butyl alcohol	4.45	59	1659	0.011	ppbv #	73
18) 1,1-Dichloroethene	4.42	96	88	0.001	ppbv #	1
19) Isopropyl Alcohol	4.11	45	4752	0.024	ppbv #	38
20) Methylene Chloride	4.48	84	277177	3.205	ppbv	95
21) Allyl Chloride	4.54	41	297	0.002	ppbv #	21
22) trans-1,2-Dichloroethene	5.18	96	76	0.001	ppbv #	1
23) Vinyl Acetate	5.22	43	15501	0.036	ppbv #	52
24) 1,1-Dichloroethane	5.17	63	79	0.000	ppbv #	87
25) Ethyl Acetate	5.86	43	520451	1.063	ppbv #	78
26) Hexane	5.86	57	742969	3.295	ppbv #	45
27) Carbon Disulfide	4.69	76	2214	0.010	ppbv #	1
28) Methyl tert-Butyl Ether	5.19	73	113	0.000	ppbv #	52
29) Chloroform	5.92	83	1026	0.003	ppbv #	19
30) Cyclohexane	7.33	84	1208	0.006	ppbv #	1
31) cis-1,2-Dichloroethene	5.72	61	727	0.003	ppbv #	48
32) 1,1,1-Trichloroethane	6.70	97	92	0.000	ppbv #	23
34) 2-Butanone	5.42	43	5978	0.024	ppbv #	1
35) Carbon Tetrachloride	7.22	117	900	0.003	ppbv #	21
36) Benzene	7.09	78	5499	0.015	ppbv #	90
37) 1,2-Dichloroethane	6.50	62	268	0.001	ppbv #	1
38) Trichloroethene	8.04	130	1347	0.009	ppbv #	1
39) 1,2-Dichloropropane	7.38	63	1105914	7.409	ppbv #	26
40) 1,4-Dioxane	8.01	88	220	0.004	ppbv #	72
41) Tetrahydrofuran	5.86	42	277955	1.868	ppbv #	50
42) Bromodichloromethane	8.01	83	350	0.001	ppbv #	1
43) Methyl Methacrylate	8.21	69	228	0.001	ppbv #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070518\
 Data File : VL032224.D
 Acq On : 6 Jul 2018 4:24
 Operator : SY/AP
 Sample : J3867-01DUP 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

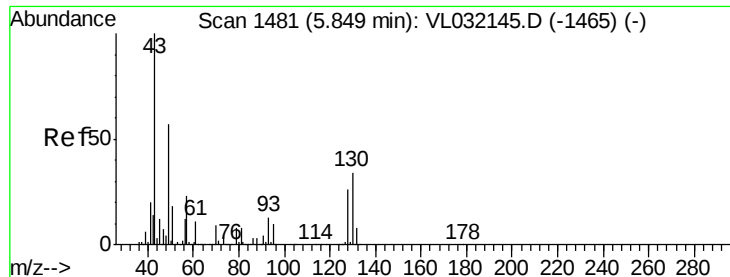
Instrument :
 MSVOA_L
 ClientSampleId :
 539BDL

Quant Time: Jul 06 07:28:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	8.08	57	7716	0.012	ppbv #	1
45) t-1,3-Dichloropropene	9.49	75	919	0.005	ppbv	91
46) cis-1,3-Dichloropropene	8.89	75	124	0.001	ppbv #	52
47) 1,1,2-Trichloroethane	9.67	97	157	0.001	ppbv #	1
48) Dibromochloromethane	10.59	129	180	0.001	ppbv	60
49) Bromoform	13.30	173	128	0.001	ppbv #	1
50) 4-Methyl-2-Pentanone	8.96	43	246	0.001	ppbv #	38
51) 2-Hexanone	10.35	43	274	0.001	ppbv #	27
52) Tetrachloroethene	11.45	164	99	0.001	ppbv #	41
53) Toluene	10.03	91	9675	0.021	ppbv #	20
54) 1,2-Dibromoethane	10.85	107	98	0.000	ppbv #	51
56) 1,1,1,2-Tetrachloroethane	12.36	131	107	0.001	ppbv #	1
57) Chlorobenzene	12.39	112	310	0.001	ppbv #	44
58) Ethyl Benzene	12.97	91	2187	0.003	ppbv	90
59) m/p-Xylene	13.25	91	1729	0.003	ppbv #	29
60) o-Xylene	13.78	91	252	0.000	ppbv	66
61) Styrene	13.77	104	317	0.001	ppbv #	30
62) Isopropylbenzene	14.97	105	157	0.000	ppbv	91
63) 1,1,2,2-Tetrachloroethane	13.93	83	230	0.001	ppbv #	25
64) n-propylbenzene	16.02	120	718	0.004	ppbv	74
65) tert-Butylbenzene	17.02	119	1114	0.002	ppbv #	1
66) Benzyl Chloride	17.24	91	163	0.000	ppbv #	63
67) sec-Butylbenzene	17.54	105	375	0.000	ppbv #	59
69) p-Isopropyltoluene	17.90	119	784	0.001	ppbv #	48
70) n-Butylbenzene	18.78	91	353	0.000	ppbv #	33
71) 2-Chlorotoluene	15.71	91	165	0.000	ppbv #	43
72) 4-Ethyltoluene	16.08	105	473	0.001	ppbv #	1
73) 1,3,5-Trimethylbenzene	16.24	105	5147	0.008	ppbv #	52
74) 1,2,4-Trimethylbenzene	17.02	105	4429	0.007	ppbv #	73
75) 1,3-Dichlorobenzene	17.25	146	566	0.002	ppbv #	24
76) 1,4-Dichlorobenzene	17.38	146	372	0.001	ppbv #	24
77) 1,2-Dichlorobenzene	18.07	146	175	0.000	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.62	225	1137	0.009	ppbv #	1
79) Naphthalene	22.50	128	125	0.000	ppbv #	69
80) Naphthalene,2-methyl-	25.21	142	1483	0.007	ppbv #	89
81) 1,2,4-Trichlorobenzene	22.22	180	399	0.002	ppbv #	23

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1478

Delta R.T. -0.02 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

539BDL

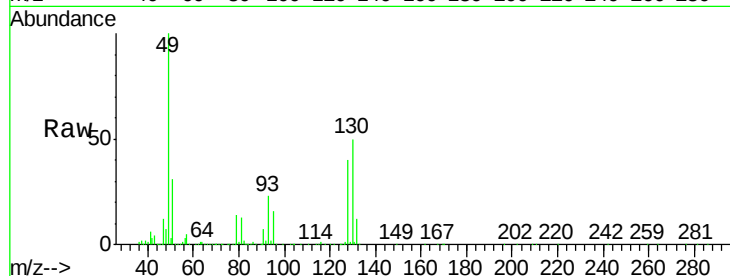
Tgt Ion: 49 Resp: 2023787

Ion Ratio Lower Upper

49 100

128 40.9 23.4 70.0

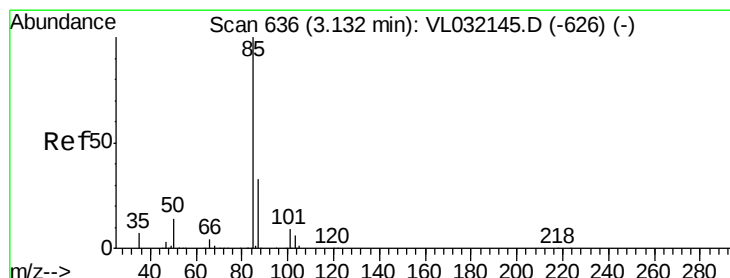
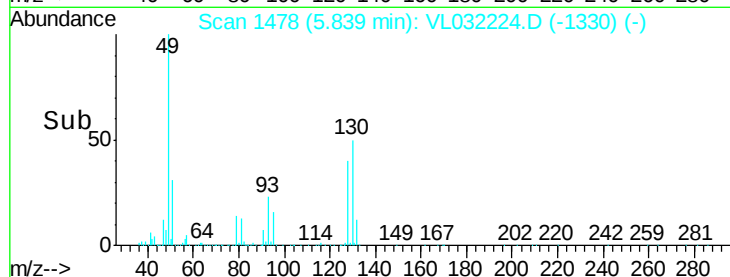
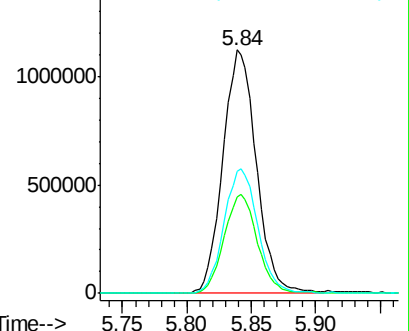
130 52.6 30.3 90.9



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: 0.003 ppbv

RT: 3.08 min Scan# 621

Delta R.T. -0.06 min

Lab File: VL032224.D

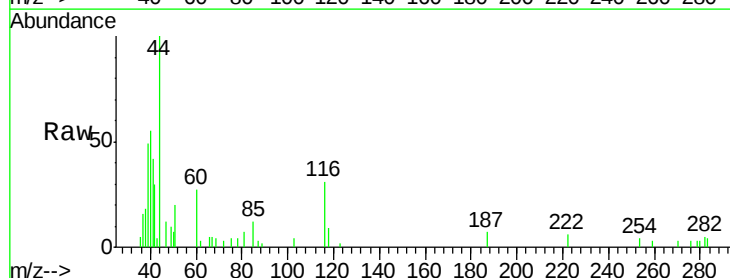
Acq: 6 Jul 2018 4:24

Tgt Ion: 85 Resp: 788

Ion Ratio Lower Upper

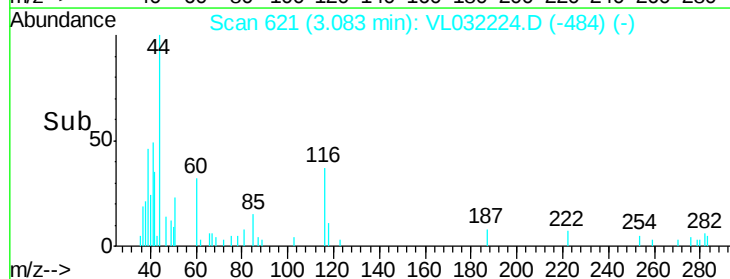
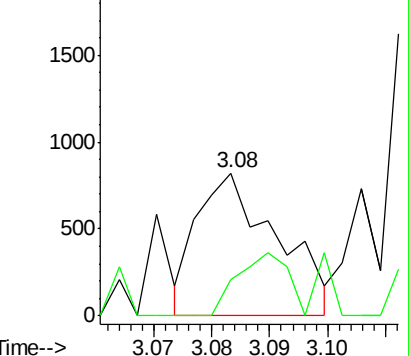
85 100

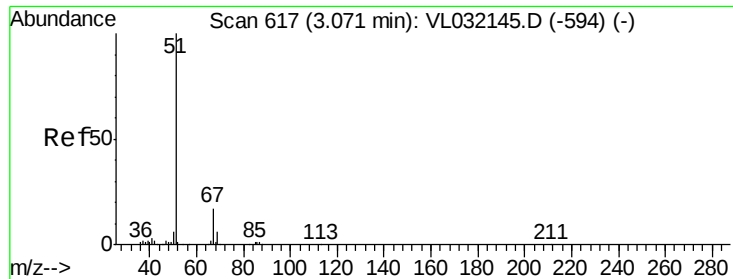
87 31.7 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.069 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.01 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

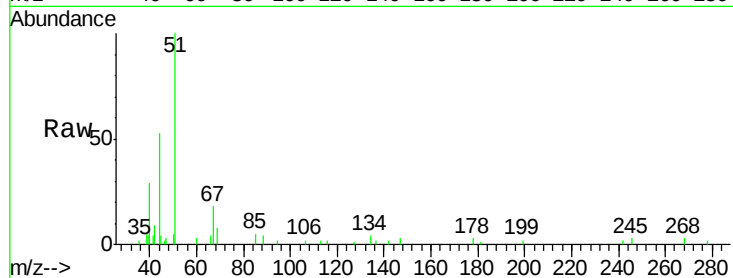
539BDL

Tgt Ion: 51 Resp: 17101

Ion Ratio Lower Upper

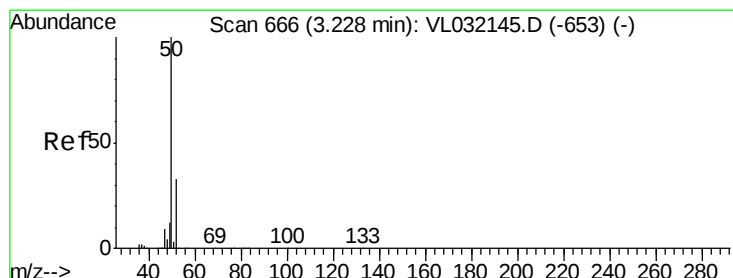
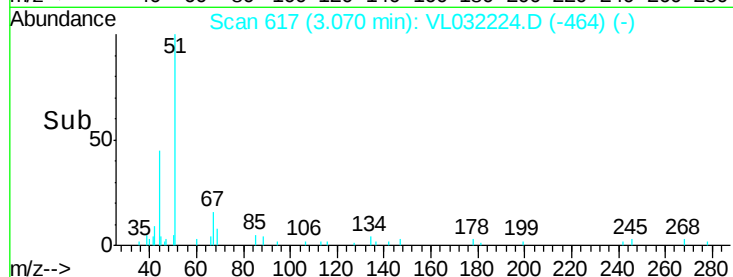
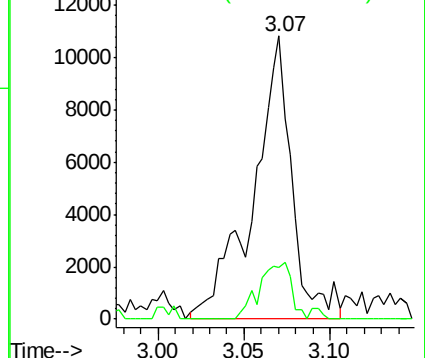
51 100

67 17.3 13.2 19.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.049 ppbv

RT: 3.22 min Scan# 664

Delta R.T. -0.02 min

Lab File: VL032224.D

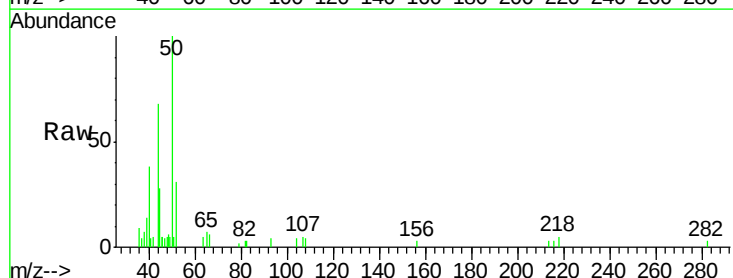
Acq: 6 Jul 2018 4:24

Tgt Ion: 50 Resp: 6487

Ion Ratio Lower Upper

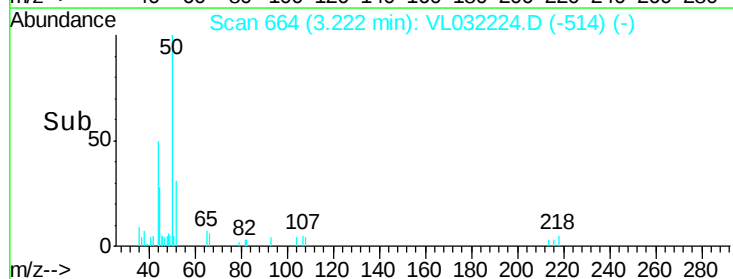
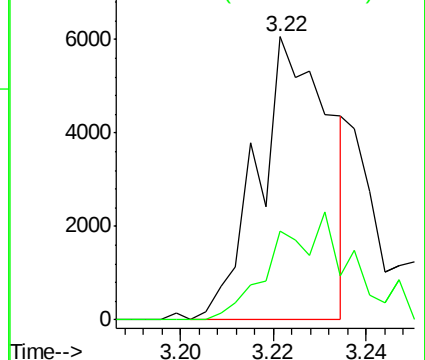
50 100

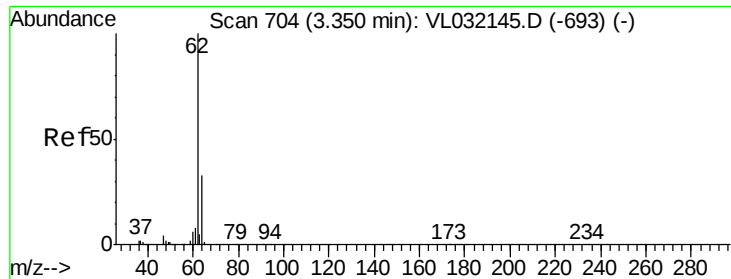
52 29.7 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.001 ppbv

RT: 3.44 min Scan# 731

Delta R.T. 0.08 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

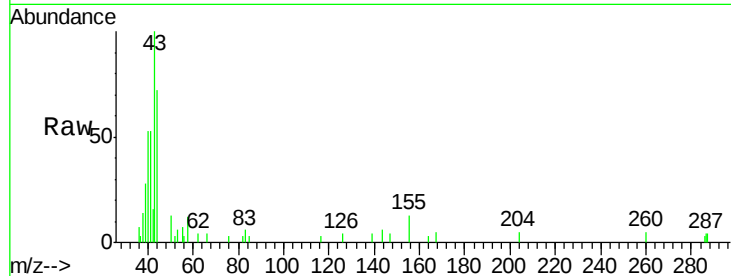
539BDL

Tgt Ion: 62 Resp: 70

Ion Ratio Lower Upper

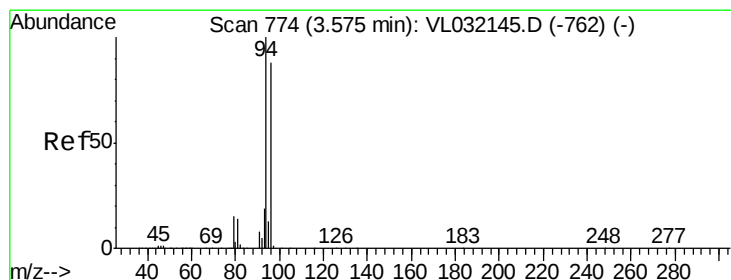
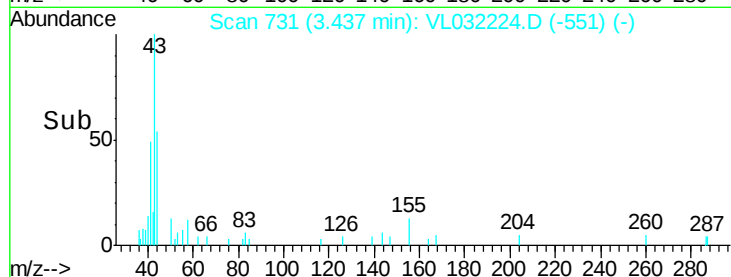
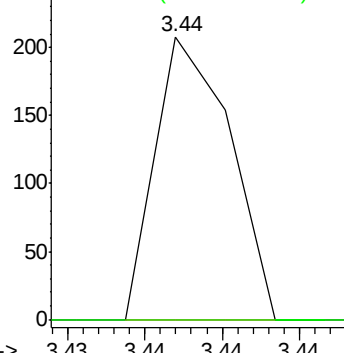
62 100

64 0.0 26.1 39.1#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.001 ppbv

RT: 3.58 min Scan# 774

Delta R.T. -0.01 min

Lab File: VL032224.D

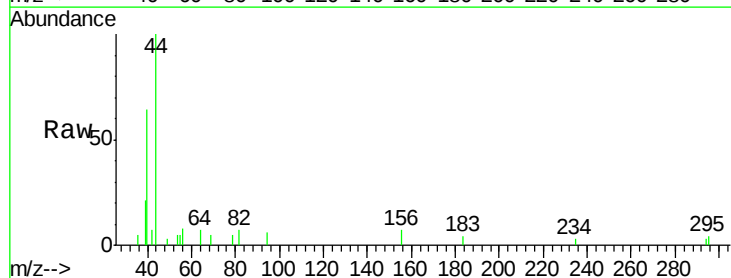
Acq: 6 Jul 2018 4:24

Tgt Ion: 94 Resp: 87

Ion Ratio Lower Upper

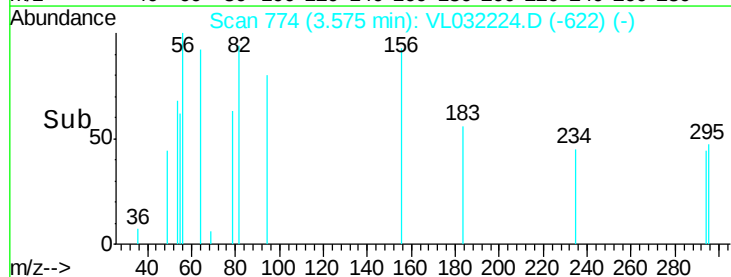
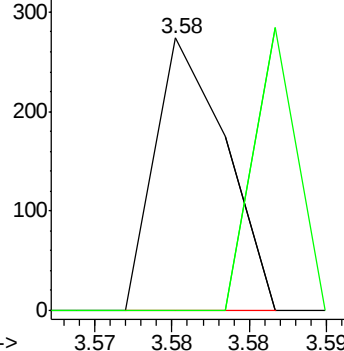
94 100

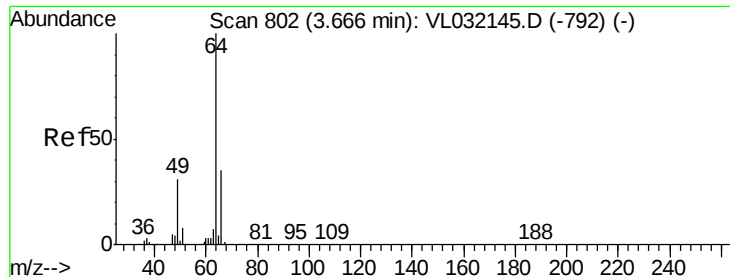
96 0.0 74.7 112.1#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.002 ppbv

RT: 3.66 min Scan# 801

Delta R.T. -0.01 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

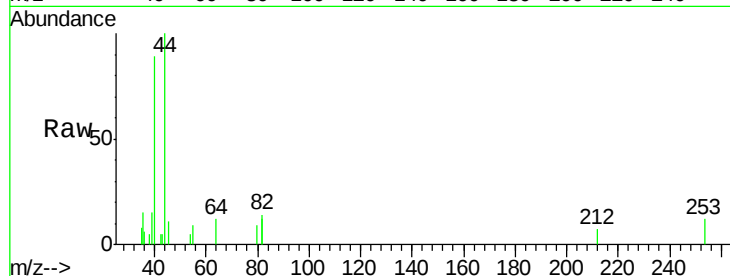
539BDL

Tgt Ion: 64 Resp: 83

Ion Ratio Lower Upper

64 100

66 0.0 26.9 40.3#

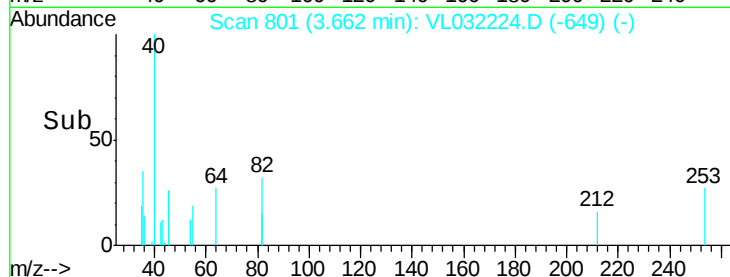


Abundance Ion 64.10 (63.80 to 64.80): VL0

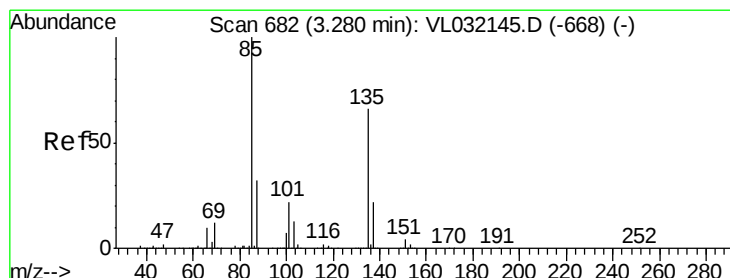
Ion 66.10 (65.80 to 66.80): VL0

3.66

3.67



Time-->



#8

Dichlorotetrafluoroethane

Concen: 0.002 ppbv

RT: 3.28 min Scan# 682

Delta R.T. -0.01 min

Lab File: VL032224.D

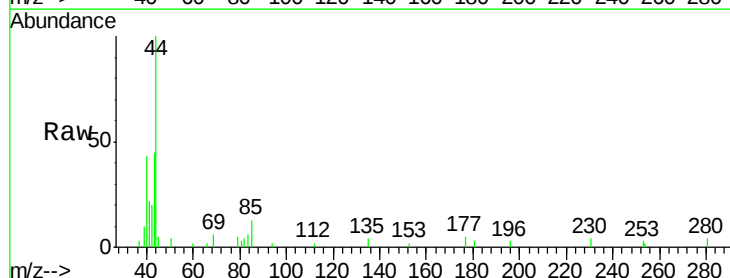
Acq: 6 Jul 2018 4:24

Tgt Ion: 85 Resp: 580

Ion Ratio Lower Upper

85 100

135 67.4 54.6 82.0

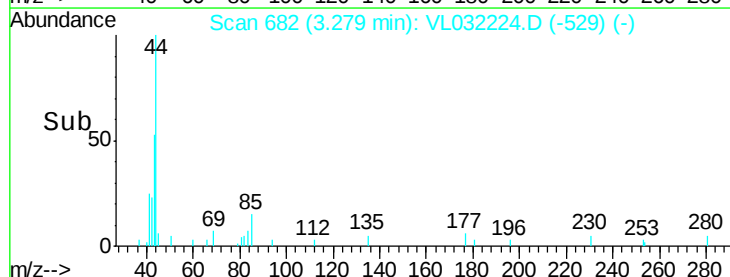


Abundance Ion 85.00 (84.70 to 85.70): VL0

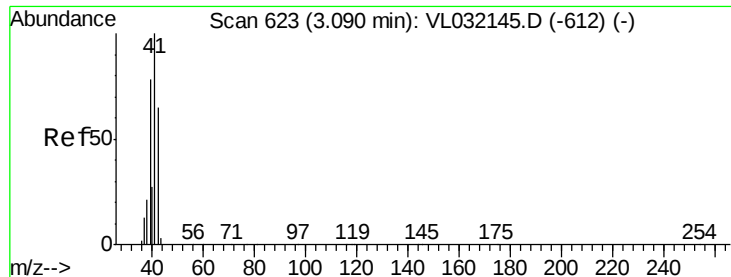
Ion 135.00 (134.70 to 135.70): V

3.28

3.27



Time-->



#9

Propene

Concen: 0.131 ppbv

RT: 3.10 min Scan# 627

Delta R.T. 0.00 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

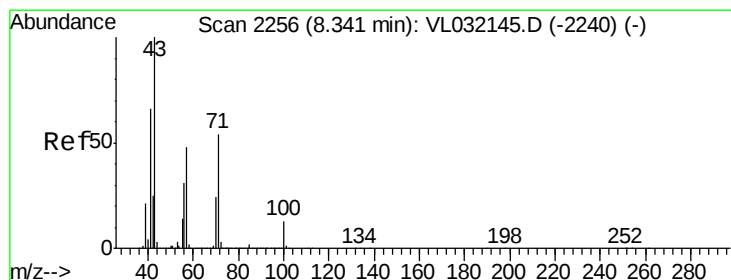
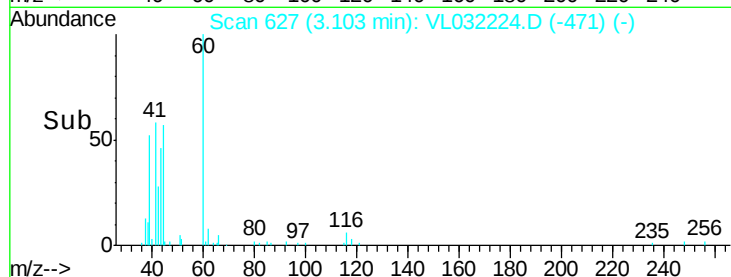
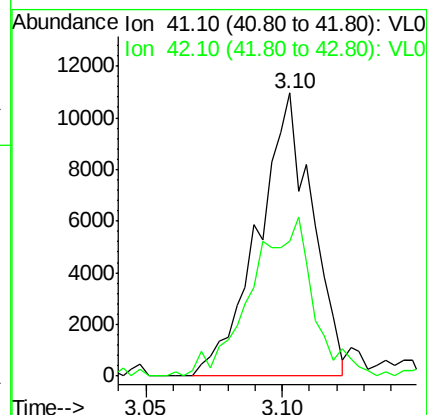
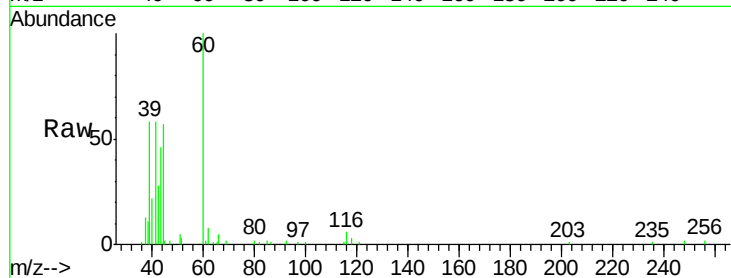
539BDL

Tgt Ion: 41 Resp: 15071

Ion Ratio Lower Upper

41 100

42 66.0 56.2 84.4



#10

Heptane

Concen: 0.006 ppbv

RT: 8.33 min Scan# 2252

Delta R.T. -0.03 min

Lab File: VL032224.D

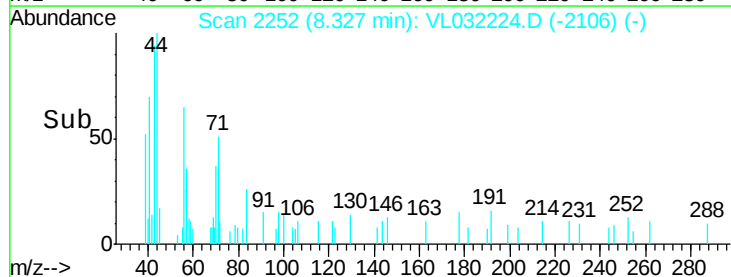
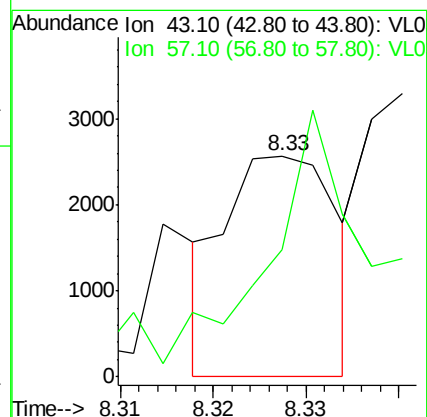
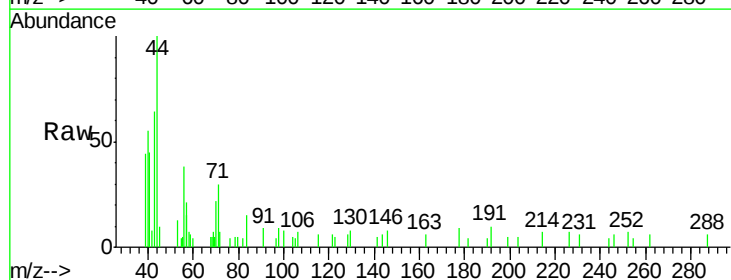
Acq: 6 Jul 2018 4:24

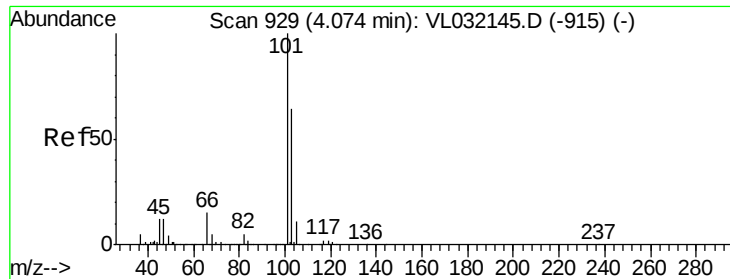
Tgt Ion: 43 Resp: 2122

Ion Ratio Lower Upper

43 100

57 217.5 39.8 59.8#

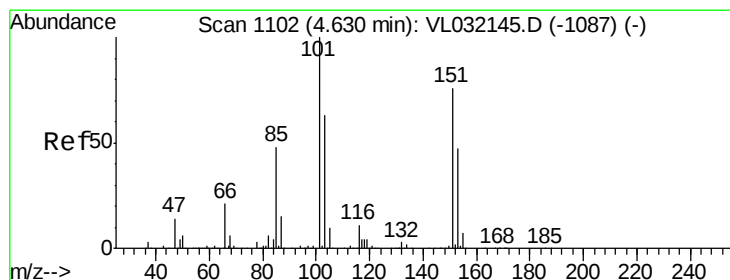
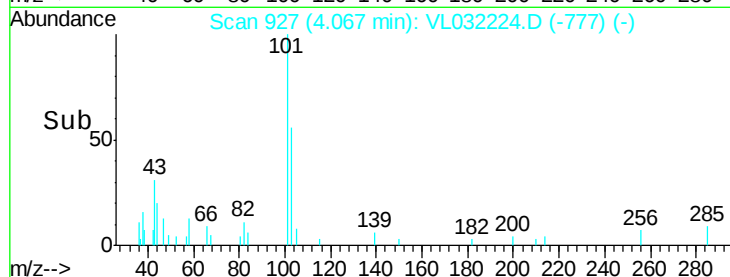
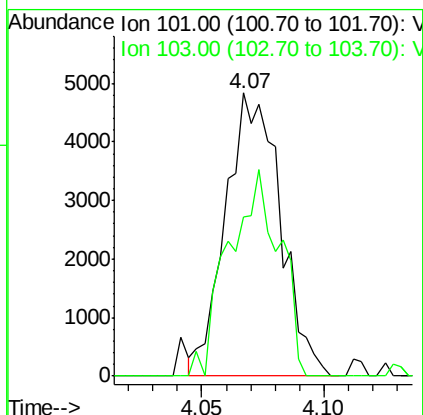
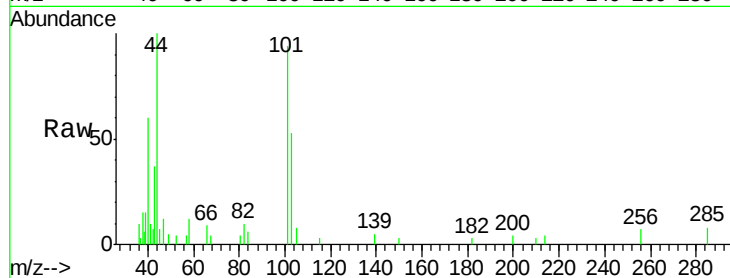




#11
 Trichlorofluoromethane
 Concen: 0.026 ppbv
 RT: 4.07 min Scan# 927
 Delta R.T. -0.02 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

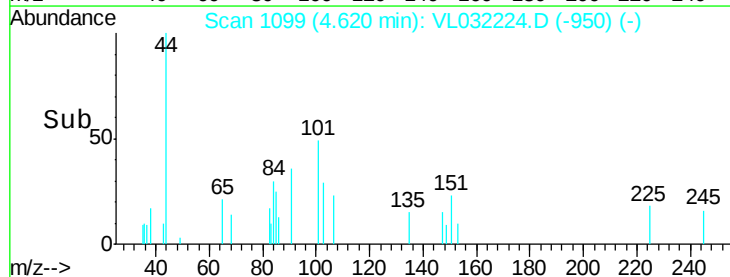
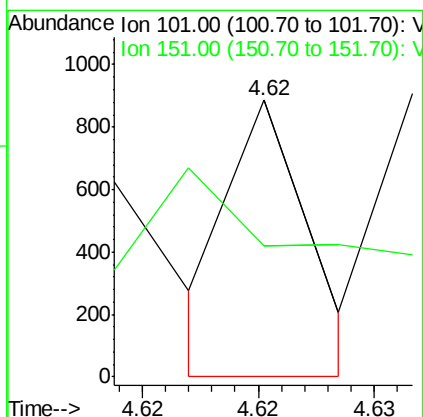
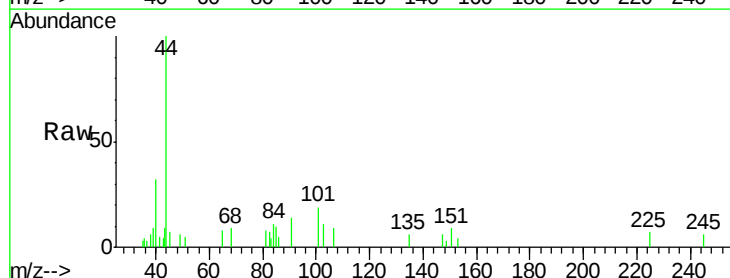
Instrument :
 MSVOA_L
 ClientSampled :
 539BDL

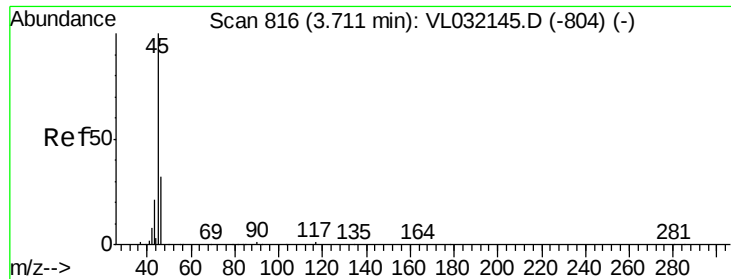
Tgt Ion:101 Resp: 7520
 Ion Ratio Lower Upper
 101 100
 103 56.2 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.001 ppbv
 RT: 4.62 min Scan# 1099
 Delta R.T. -0.02 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

Tgt Ion:101 Resp: 211
 Ion Ratio Lower Upper
 101 100
 151 0.0 58.8 88.2#





#13

Ethanol

Concen: 2.032 ppbv

RT: 3.72 min Scan# 819

Delta R.T. -0.00 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

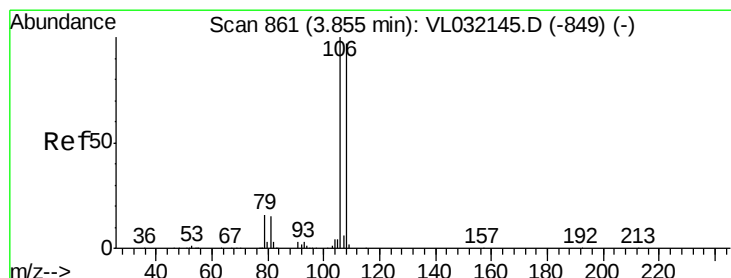
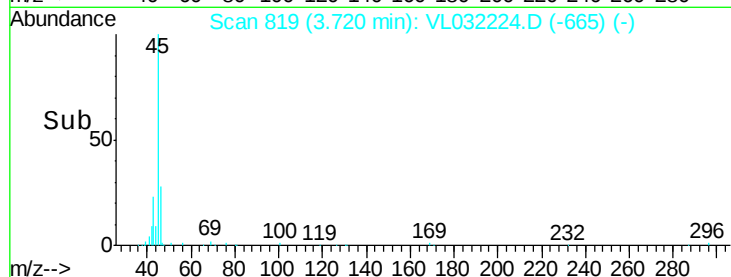
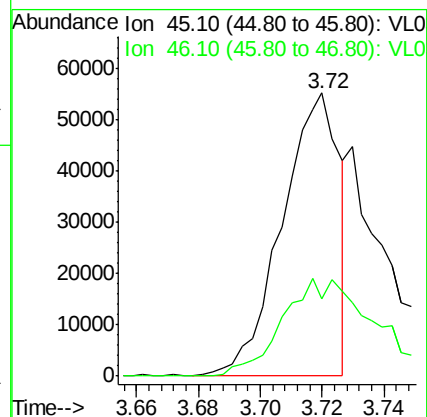
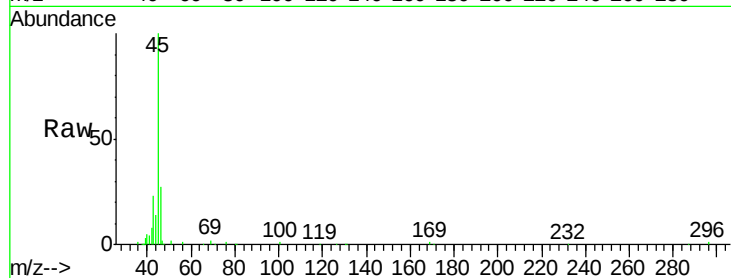
539BDL

Tgt Ion: 45 Resp: 70997

Ion Ratio Lower Upper

45 100

46 61.7 14.6 58.4#



#14

Bromoethene

Concen: 0.001 ppbv

RT: 4.05 min Scan# 923

Delta R.T. 0.19 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

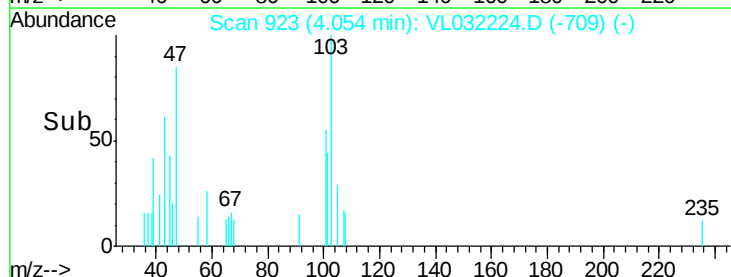
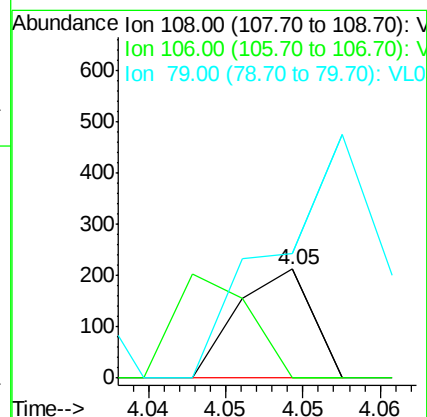
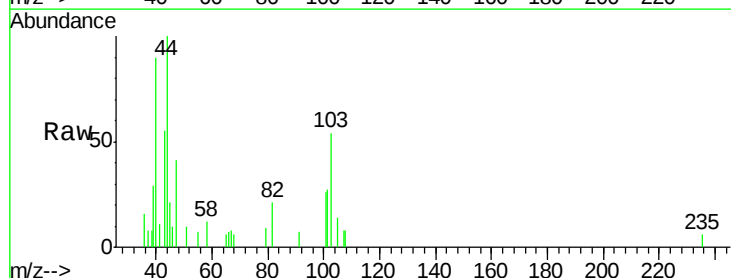
Tgt Ion: 108 Resp: 71

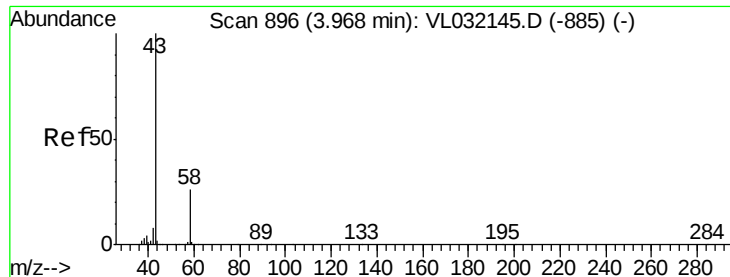
Ion Ratio Lower Upper

108 100

106 0.0 86.3 129.5#

79 615.5 12.7 19.1#





#15

Acetone

Concen: 2.419 ppbv

RT: 3.97 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

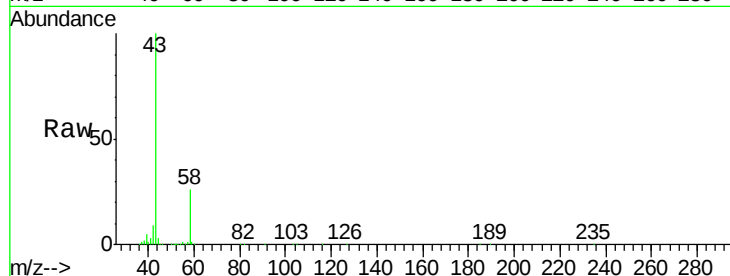
539BDL

Tgt Ion: 43 Resp: 572357

Ion Ratio Lower Upper

43 100

58 26.5 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

400000

300000

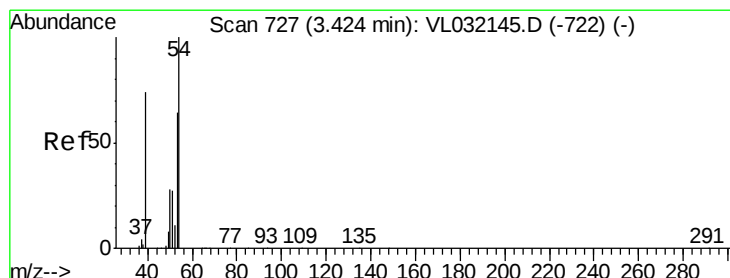
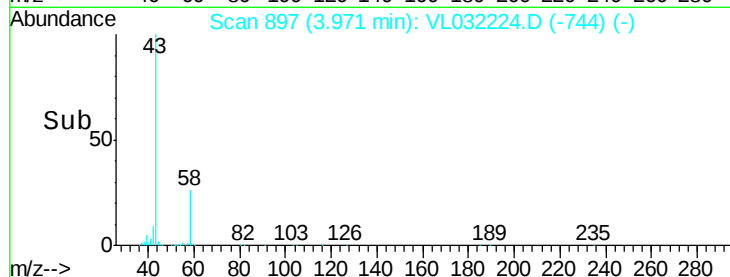
200000

100000

0

Time-->

3.90 3.95 4.00 4.05



#16

1,3-Butadiene

Concen: 0.004 ppbv

RT: 3.42 min Scan# 725

Delta R.T. -0.01 min

Lab File: VL032224.D

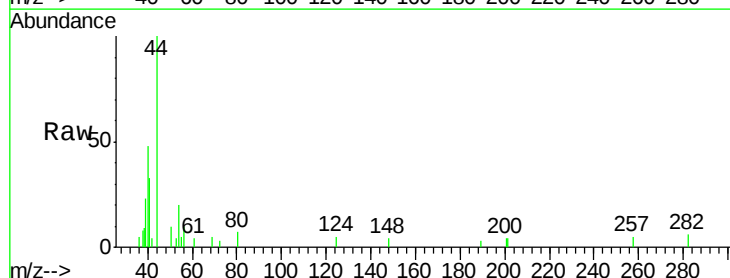
Acq: 6 Jul 2018 4:24

Tgt Ion: 39 Resp: 410

Ion Ratio Lower Upper

39 100

54 101.2 75.8 113.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.42

2000

1500

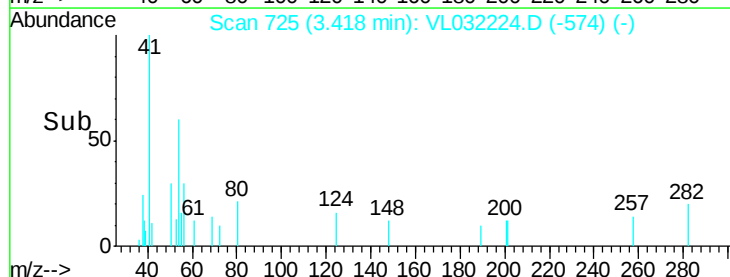
1000

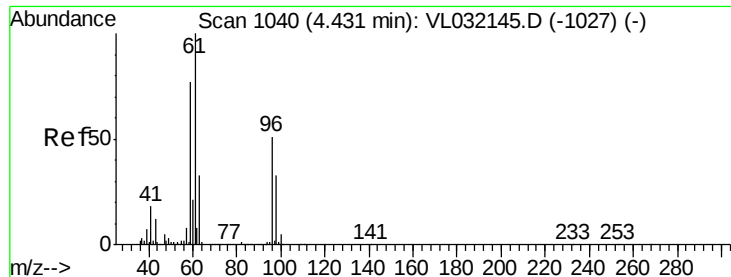
500

0

Time-->

3.41 3.42 3.42 3.42 3.43

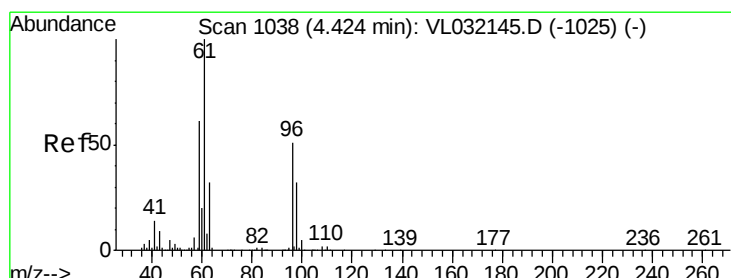
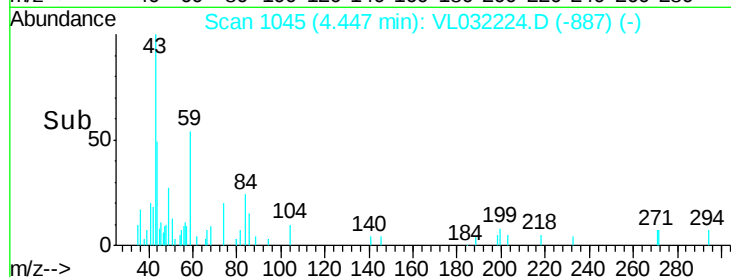
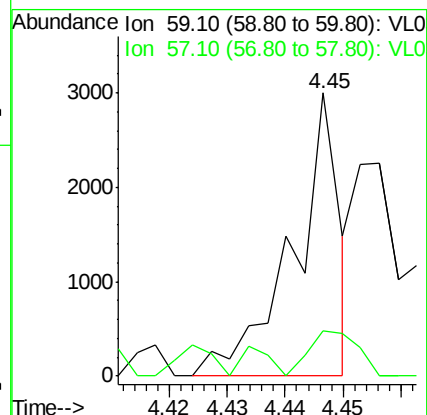
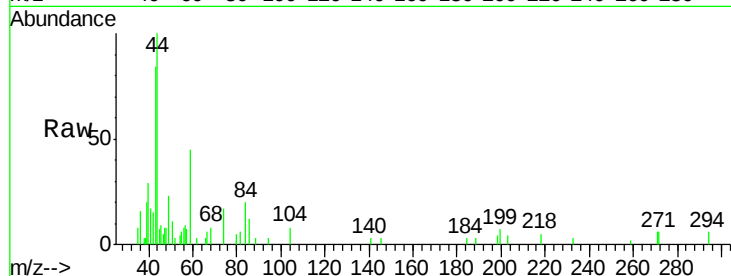




#17
tert-Butyl alcohol
Concen: 0.011 ppbv
RT: 4.45 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

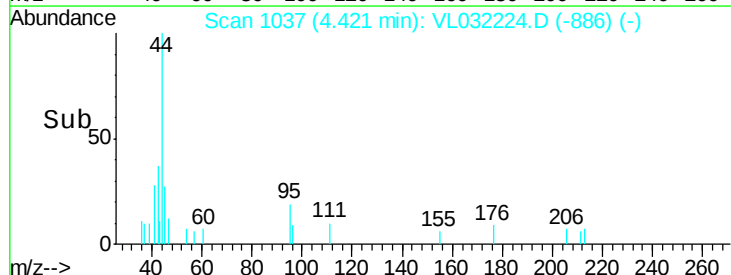
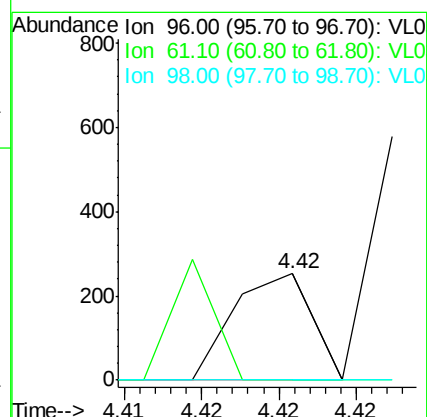
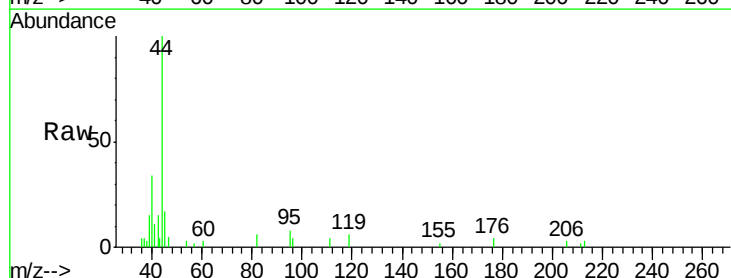
Instrument :
MSVOA_L
ClientSampleId :
539BDL

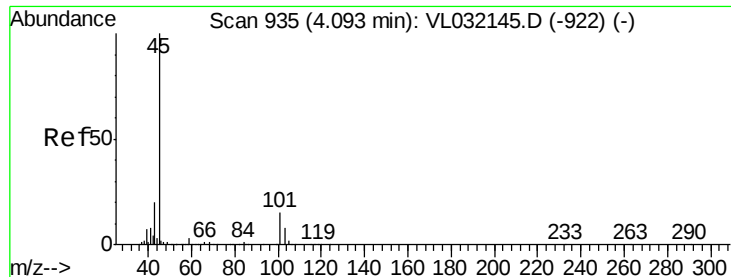
Tgt Ion: 59 Resp: 1659
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#18
1,1-Dichloroethene
Concen: 0.001 ppbv
RT: 4.42 min Scan# 1037
Delta R.T. -0.01 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

Tgt Ion: 96 Resp: 88
Ion Ratio Lower Upper
96 100
61 0.0 154.1 231.1#
98 0.0 50.3 75.5#





#19

Isopropyl Alcohol

Concen: 0.024 ppbv

RT: 4.11 min Scan# 941

Delta R.T. 0.01 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

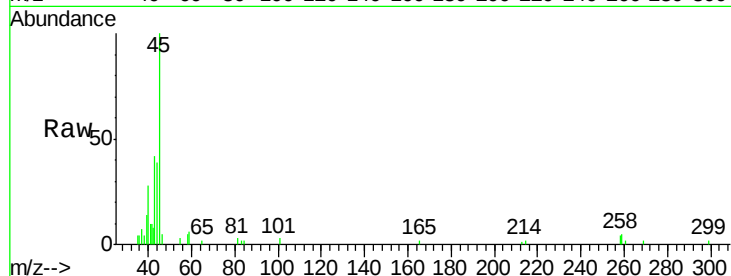
539BDL

Tgt Ion: 45 Resp: 4752

Ion Ratio Lower Upper

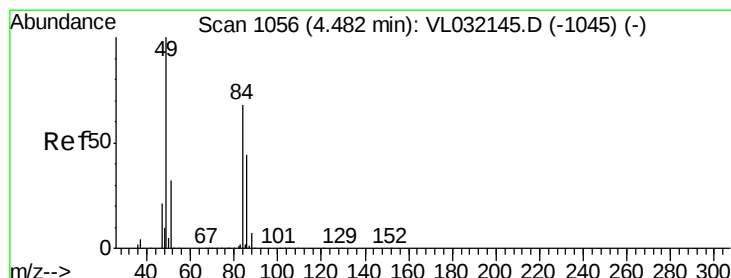
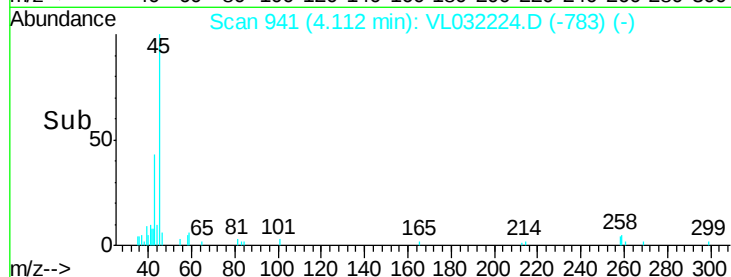
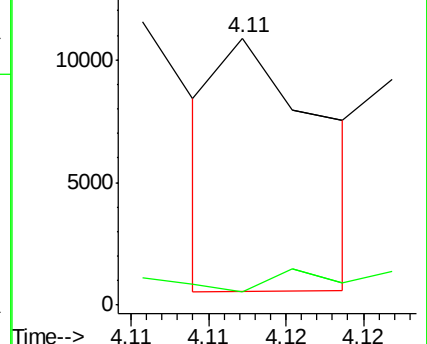
45 100

58 0.0 29.4 44.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 3.205 ppbv

RT: 4.48 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Tgt Ion: 84 Resp: 277177

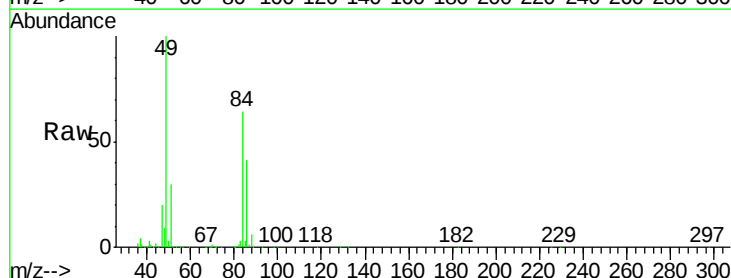
Ion Ratio Lower Upper

84 100

49 156.5 119.6 179.4

51 47.8 36.3 54.5

86 64.2 49.7 74.5

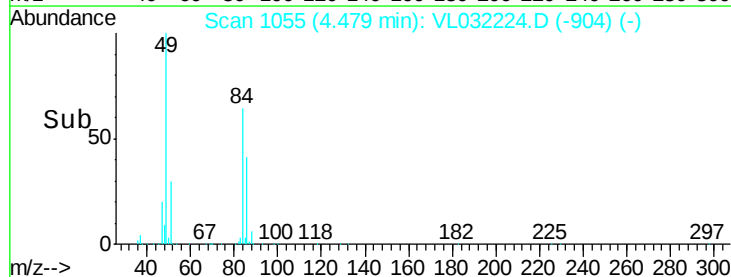
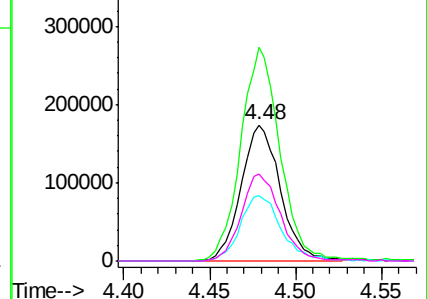


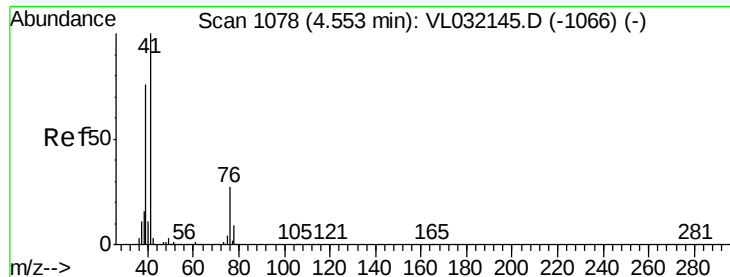
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

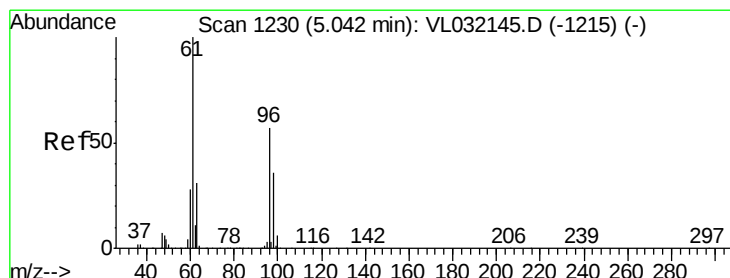
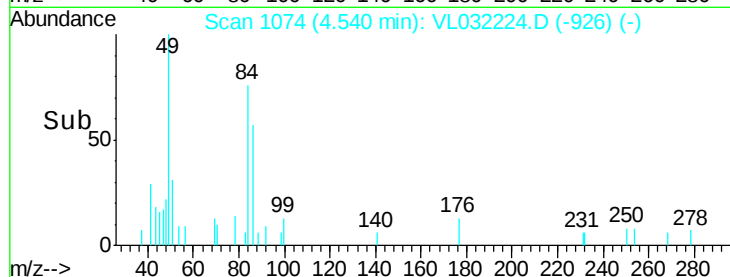
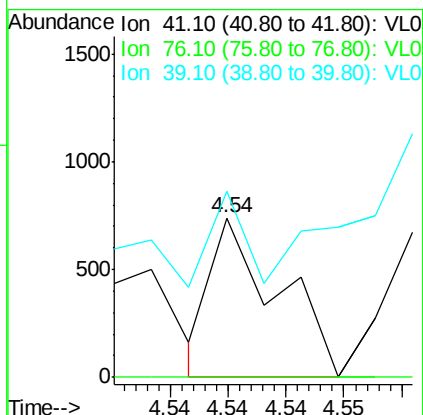
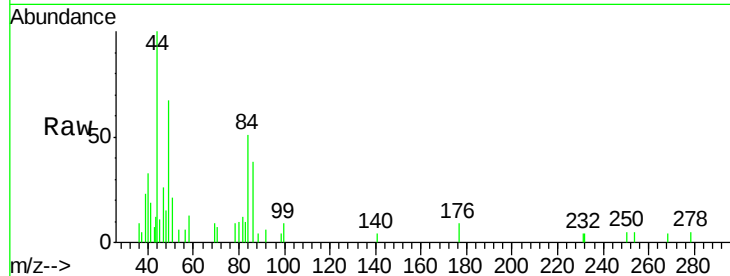




#21
 Allyl Chloride
 Concen: 0.002 ppbv
 RT: 4.54 min Scan# 1074
 Delta R.T. -0.02 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

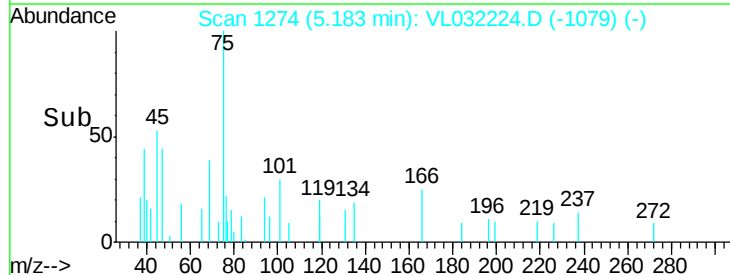
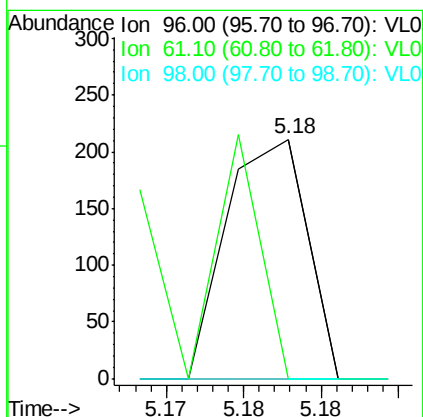
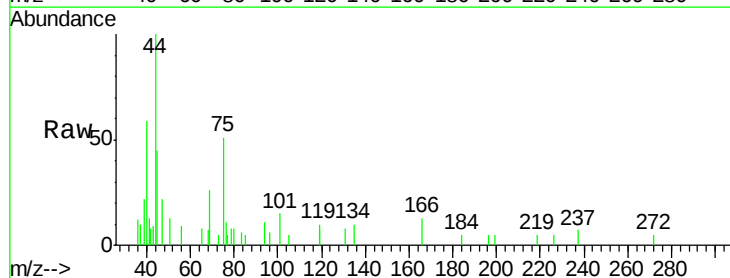
Instrument :
 MSVOA_L
 ClientSampleID :
 539BDL

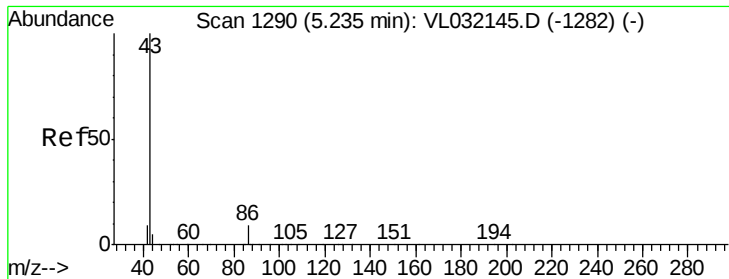
Tgt Ion: 41 Resp: 297
 Ion Ratio Lower Upper
 41 100
 76 0.0 22.5 33.7#
 39 0.0 60.5 90.7#



#22
 trans-1,2-Dichloroethene
 Concen: 0.001 ppbv
 RT: 5.18 min Scan# 1274
 Delta R.T. 0.13 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

Tgt Ion: 96 Resp: 76
 Ion Ratio Lower Upper
 96 100
 61 0.0 135.2 202.8#
 98 0.0 49.7 74.5#

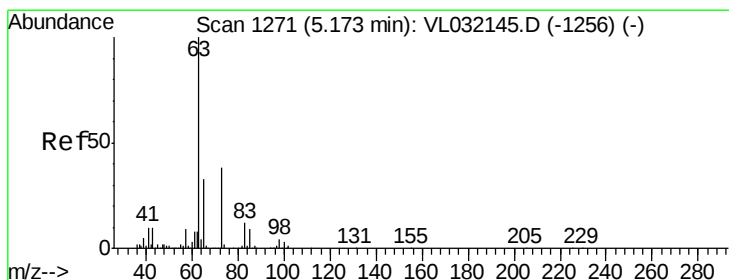
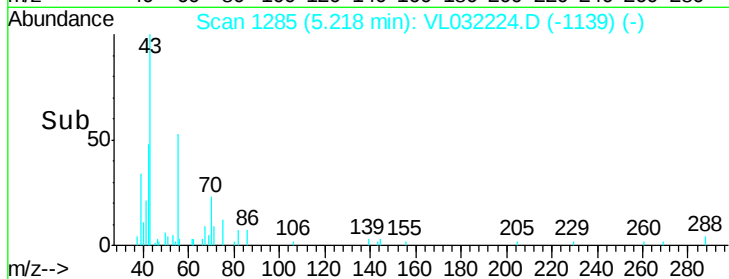
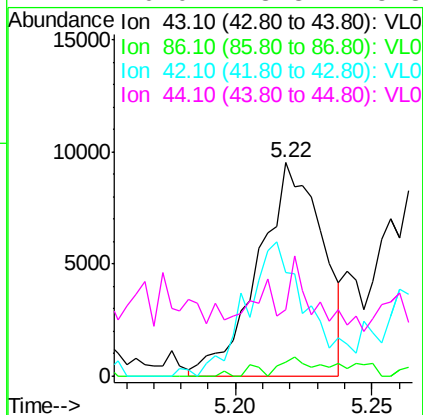
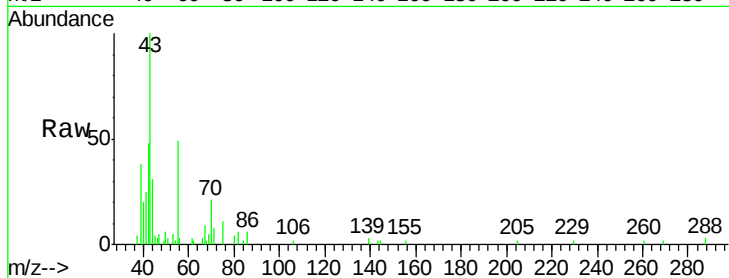




#23
 Vinyl Acetate
 Concen: 0.036 ppbv
 RT: 5.22 min Scan# 1285
 Delta R.T. -0.03 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

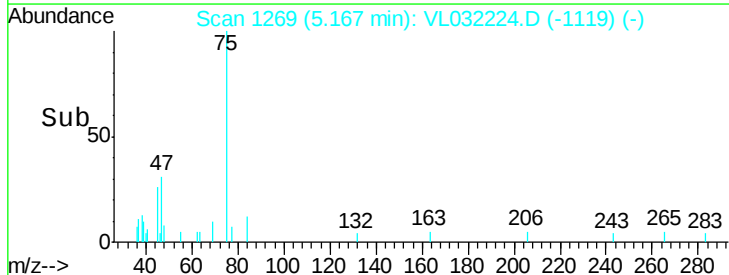
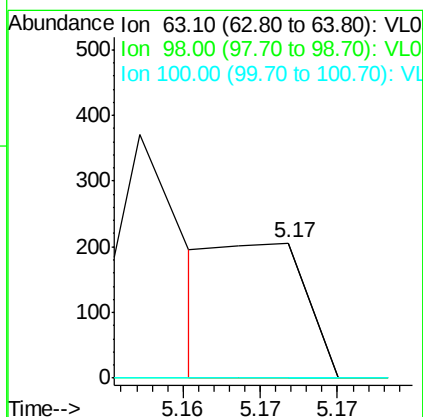
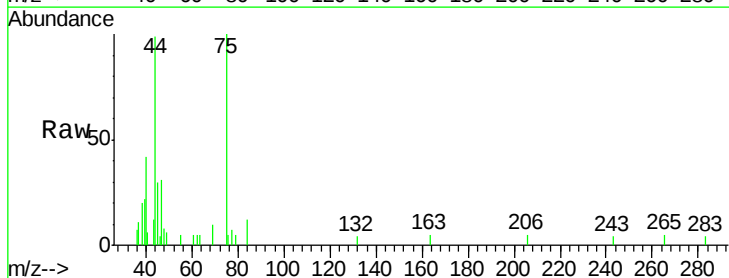
Instrument :
 MSVOA_L
 ClientSampleId :
 539BDL

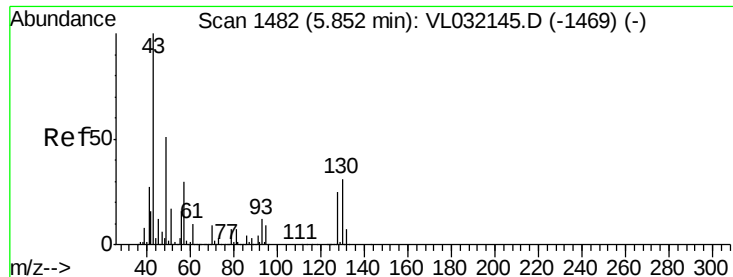
Tgt Ion:	43	Resp:	15501
Ion	Ratio	Lower	Upper
43	100		
86	6.6	6.2	9.4
42	47.1	6.9	10.3#
44	0.0	3.8	5.8#



#24
 1,1-Dichloroethane
 Concen: 0.000 ppbv
 RT: 5.17 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

Tgt Ion:	63	Resp:	79
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.4	7.2#
100	0.0	1.7	5.0#

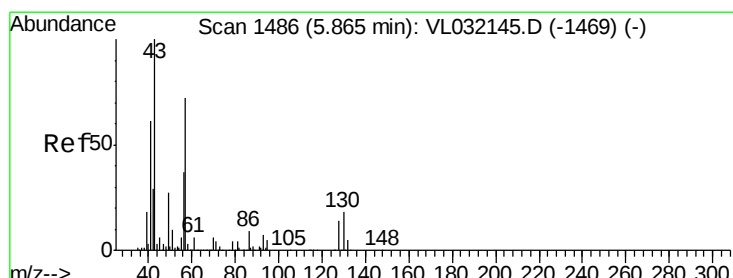
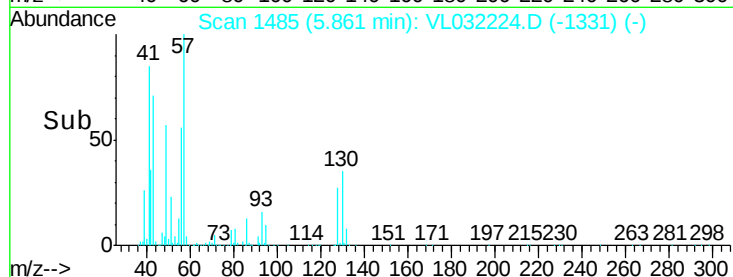
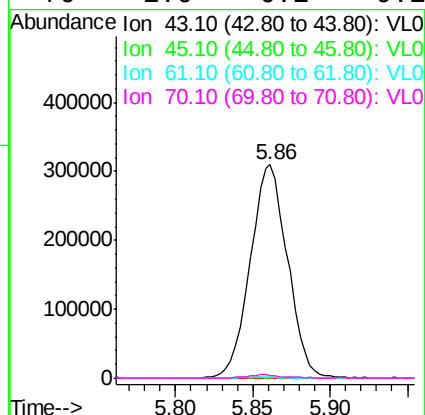
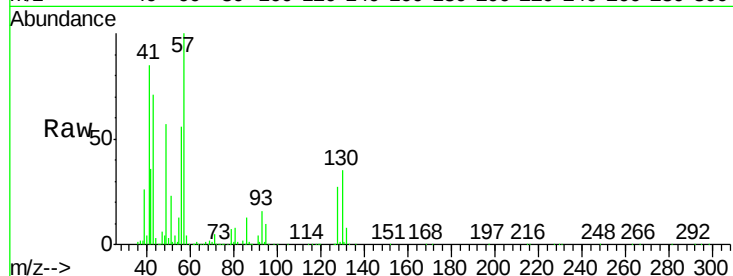




#25
Ethyl Acetate
Concen: 1.063 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

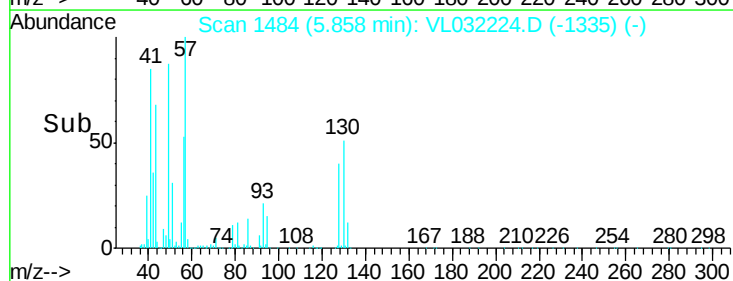
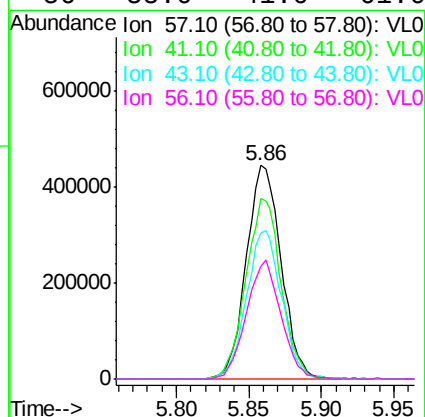
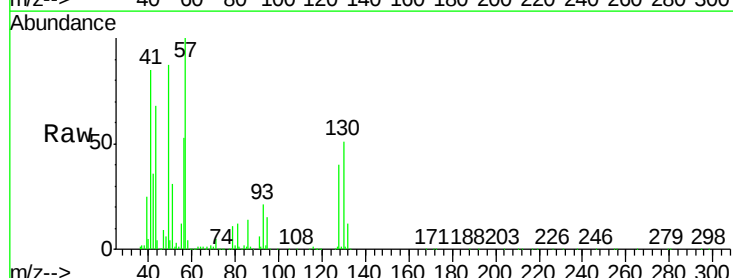
Instrument :
MSVOA_L
ClientSampleId :
539BDL

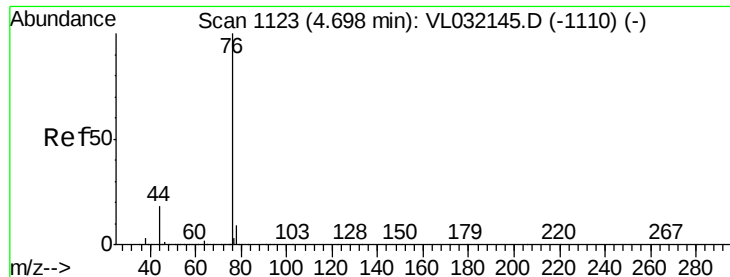
Tgt Ion:	43	Resp:	520451
Ion	Ratio	Lower	Upper
43	100		
45	0.6	7.8	11.8#
61	0.5	7.4	11.0#
70	1.6	6.1	9.1#



#26
Hexane
Concen: 3.295 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. -0.02 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

Tgt Ion:	57	Resp:	742969
Ion	Ratio	Lower	Upper
57	100		
41	85.6	68.6	103.0
43	70.2	168.6	252.8#
56	55.0	41.0	61.6





#27

Carbon Disulfide

Concen: 0.010 ppbv

RT: 4.69 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

539BDL

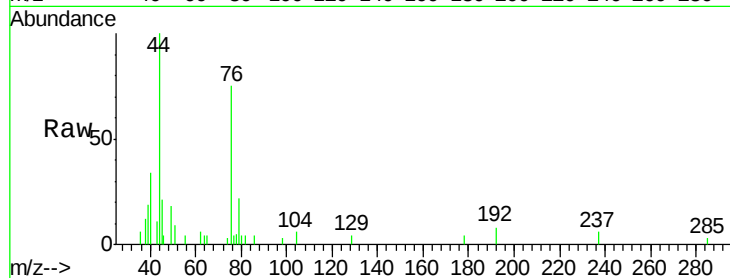
Tgt Ion: 76 Resp: 2214

Ion Ratio Lower Upper

76 100

44 123.3 15.1 22.7#

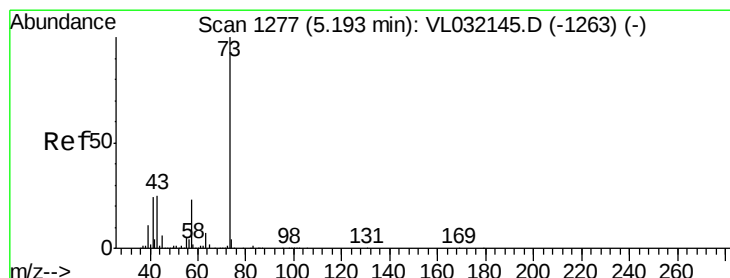
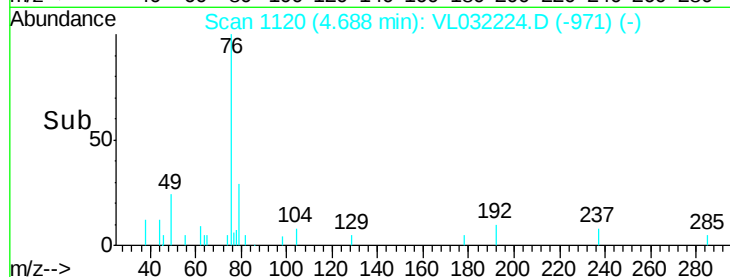
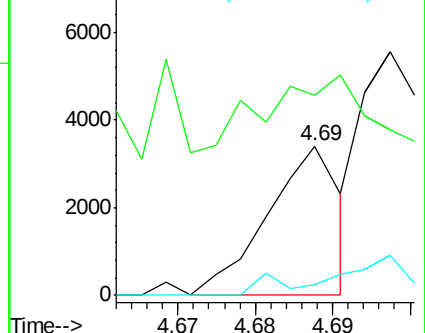
78 0.0 7.2 10.8#



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: 0.000 ppbv

RT: 5.19 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL032224.D

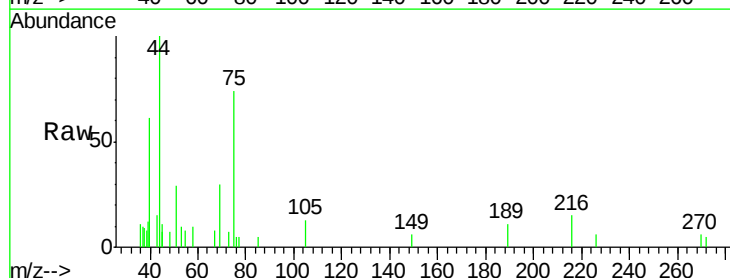
Acq: 6 Jul 2018 4:24

Tgt Ion: 73 Resp: 113

Ion Ratio Lower Upper

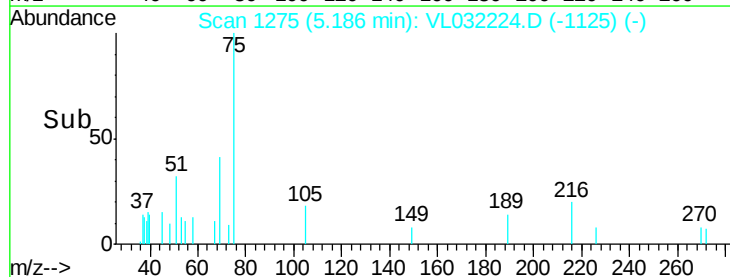
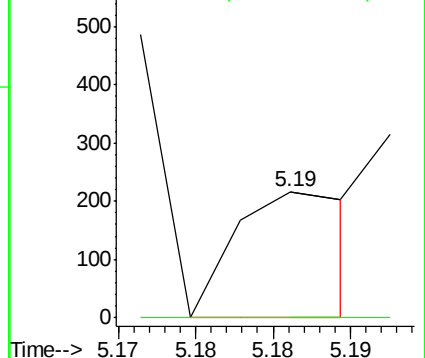
73 100

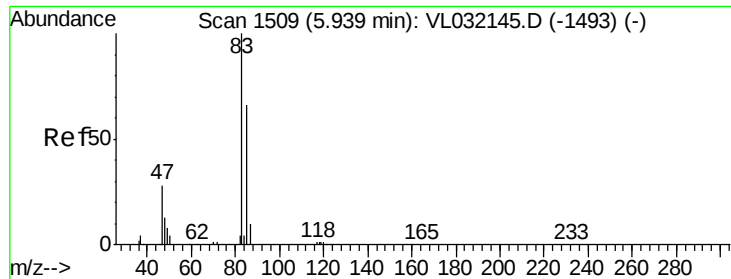
57 0.0 18.6 27.8#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

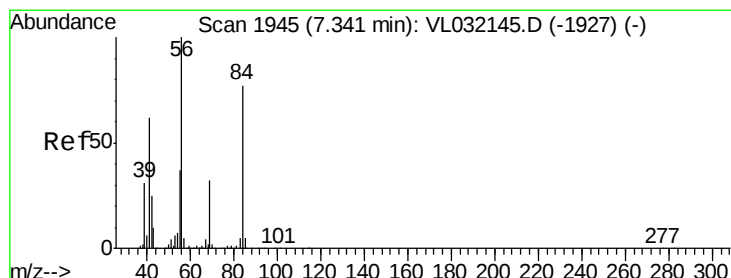
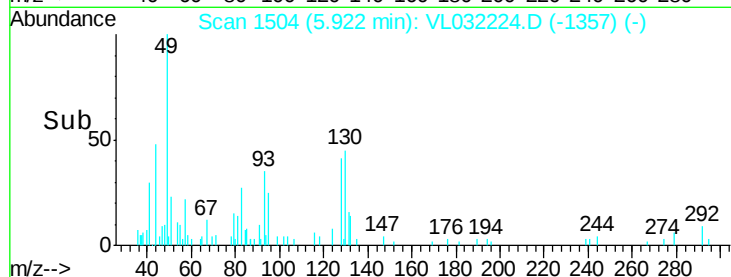
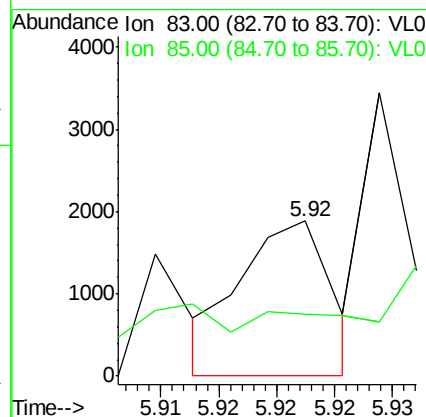
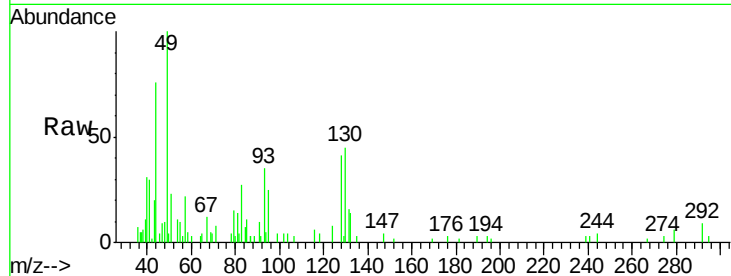




#29
Chloroform
Concen: 0.003 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. -0.03 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

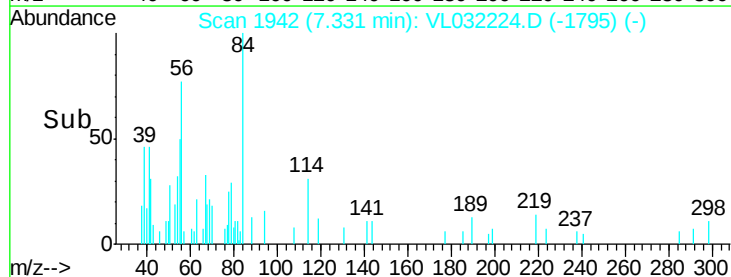
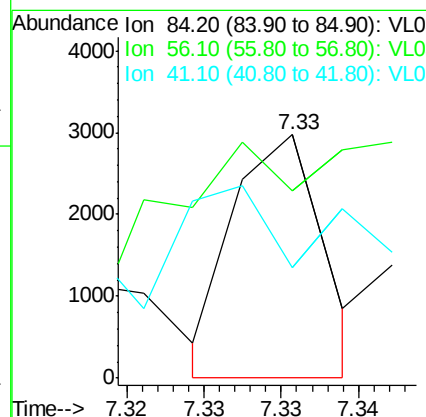
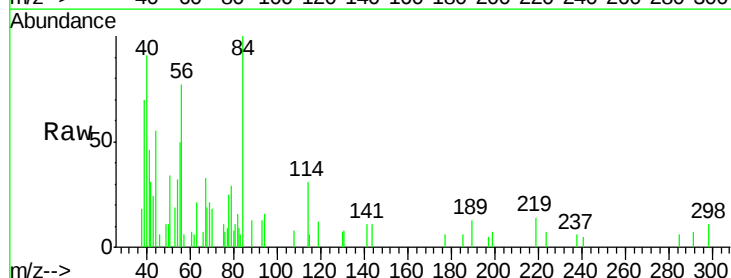
Instrument :
MSVOA_L
ClientSampleId :
539BDL

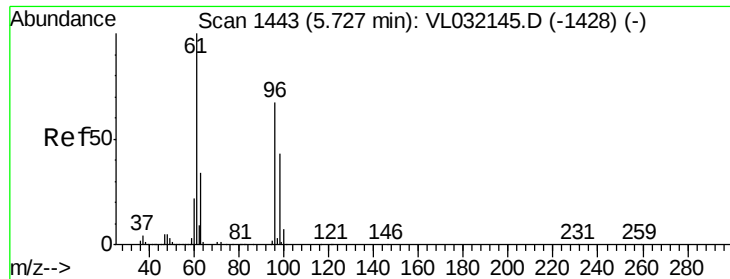
Tgt Ion: 83 Resp: 1026
Ion Ratio Lower Upper
83 100
85 1.2 51.6 77.4#



#30
Cyclohexane
Concen: 0.006 ppbv
RT: 7.33 min Scan# 1942
Delta R.T. -0.03 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

Tgt Ion: 84 Resp: 1208
Ion Ratio Lower Upper
84 100
56 0.0 109.1 163.7#
41 420.5 64.6 96.8#





#31

cis-1,2-Dichloroethene

Concen: 0.003 ppbv

RT: 5.72 min Scan# 1440

Delta R.T. -0.02 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

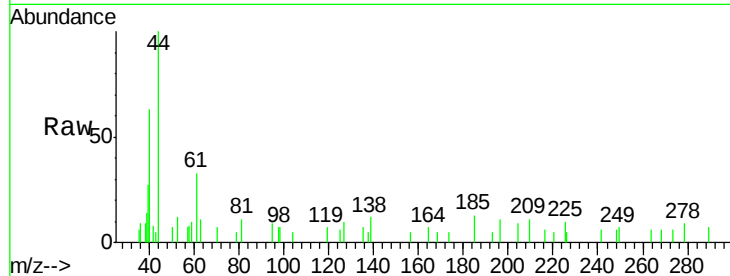
Instrument :

MSVOA_L

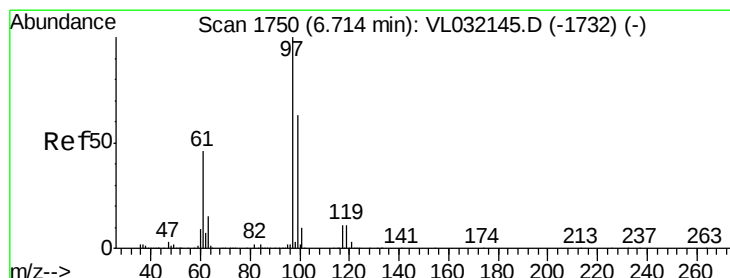
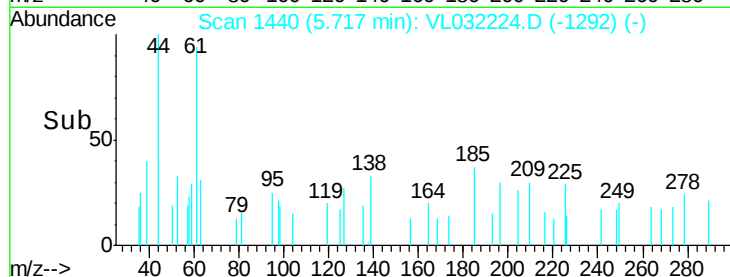
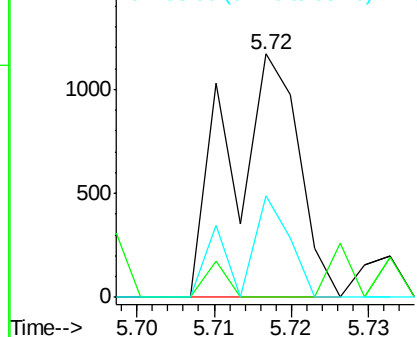
ClientSampleId :

539BDL

Tgt Ion:	61	Resp:	727
Ion	Ratio	Lower	Upper
61	100		
96	0.0	54.2	81.4#
98	41.9	34.6	52.0



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.000 ppbv

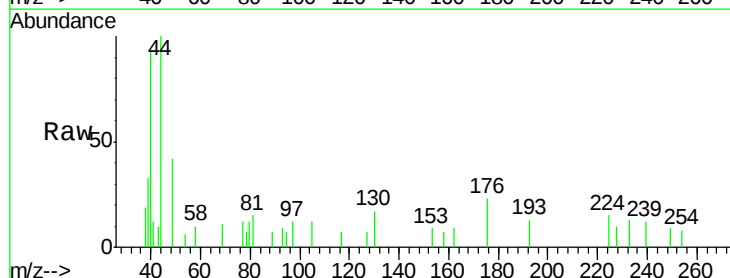
RT: 6.70 min Scan# 1745

Delta R.T. -0.03 min

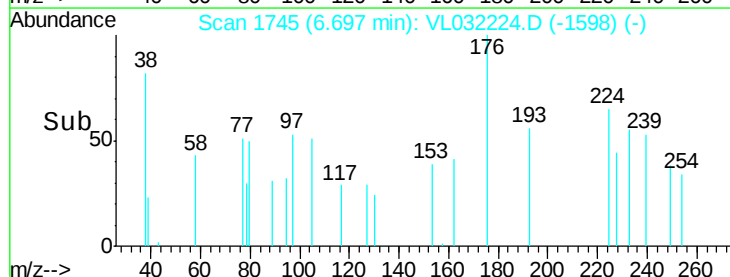
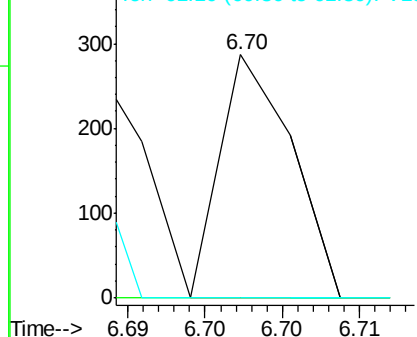
Lab File: VL032224.D

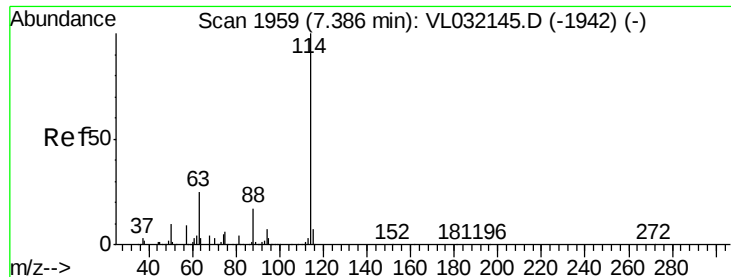
Acq: 6 Jul 2018 4:24

Tgt Ion:	97	Resp:	92
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.3	76.9#
61	0.0	38.4	57.6#



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

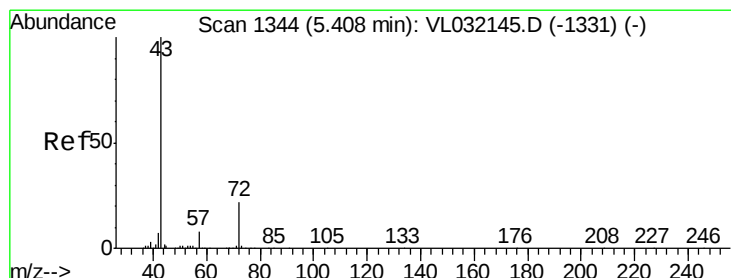
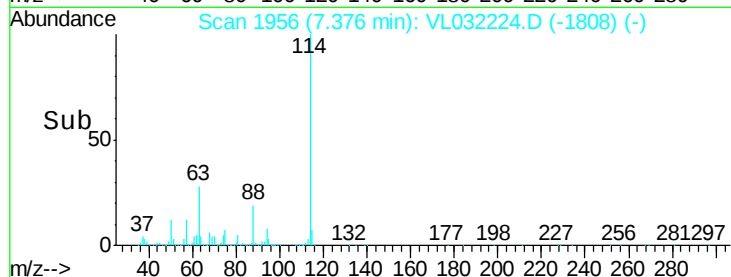
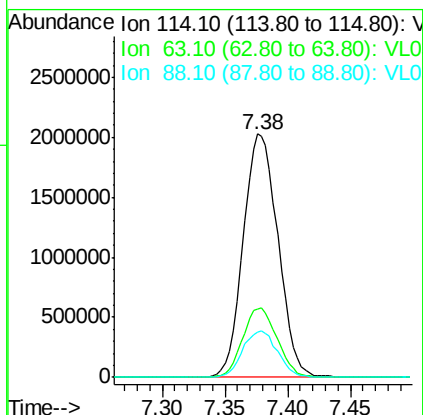
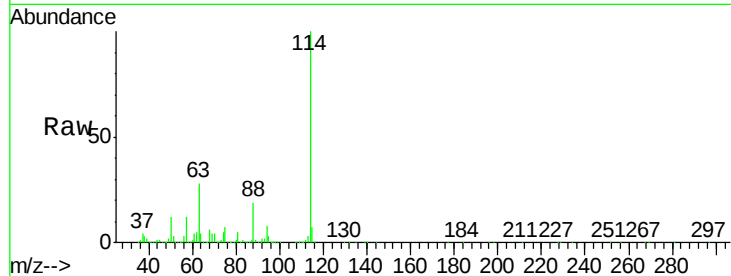




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1956
 Delta R.T. -0.02 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

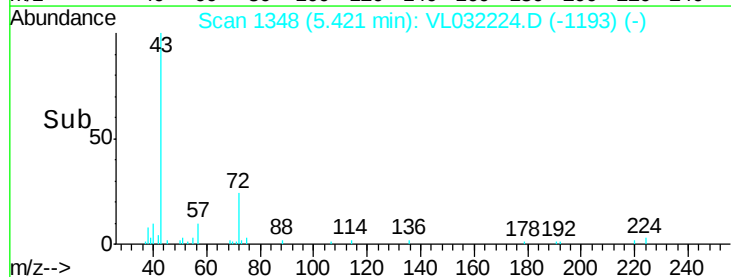
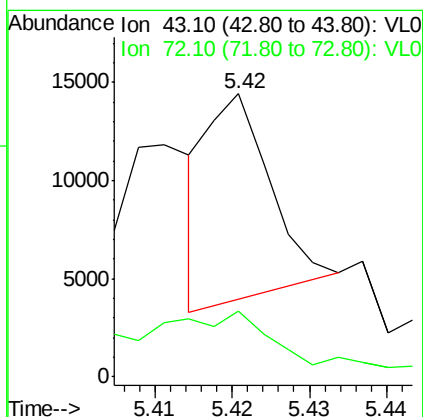
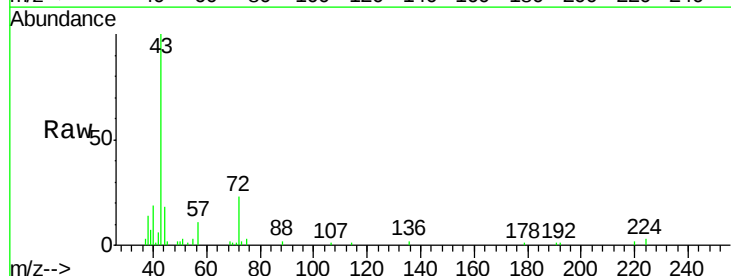
Instrument :
 MSVOA_L
 ClientSampleId :
 539BDL

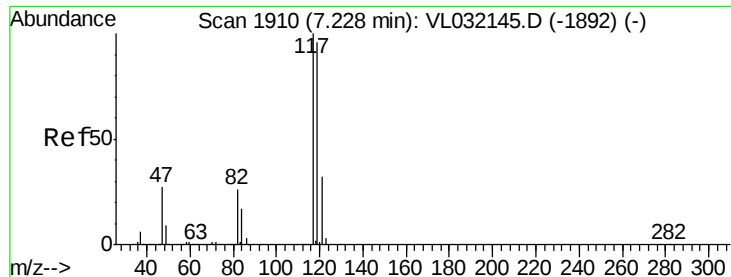
Tgt Ion:114 Resp: 3910078
 Ion Ratio Lower Upper
 114 100
 63 28.6 19.1 28.7
 88 19.1 13.9 20.9



#34
 2-Butanone
 Concen: 0.024 ppbv
 RT: 5.42 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

Tgt Ion: 43 Resp: 5978
 Ion Ratio Lower Upper
 43 100
 72 82.9 18.4 27.6#

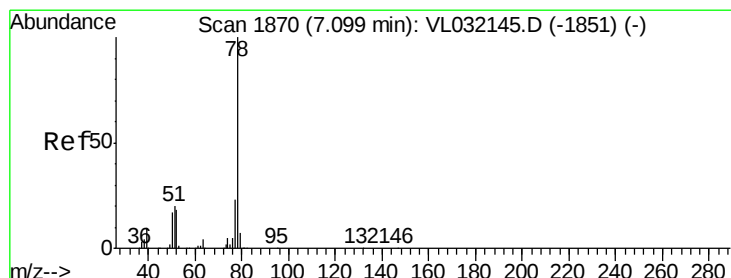
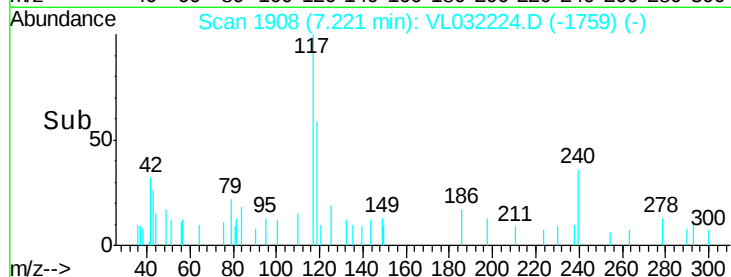
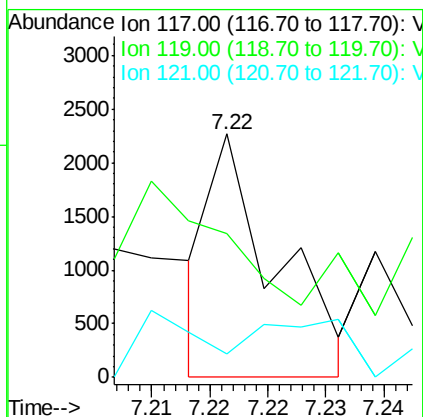
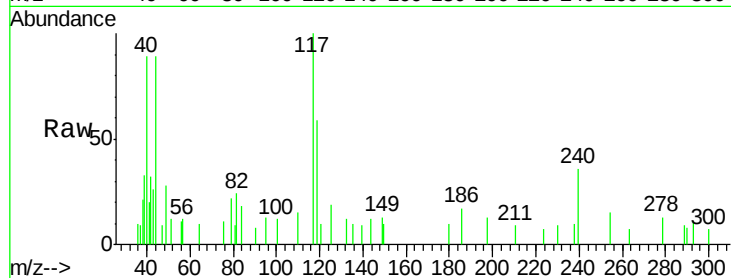




#35
Carbon Tetrachloride
Concen: 0.003 ppbv
RT: 7.22 min Scan# 1908
Delta R.T. -0.02 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

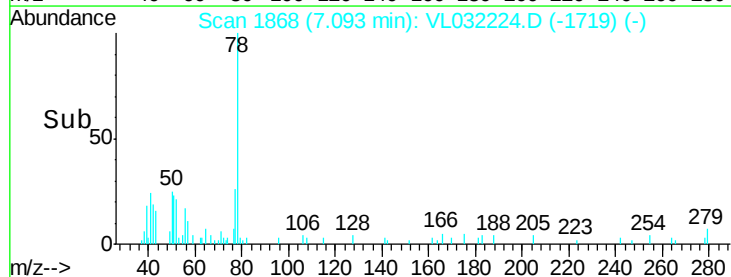
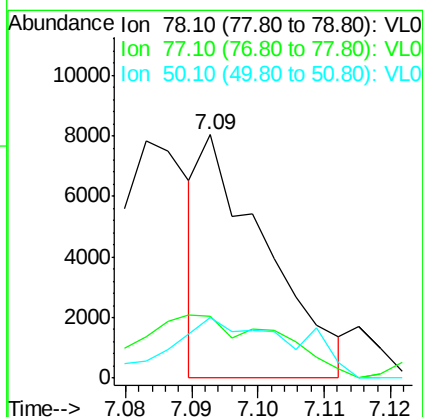
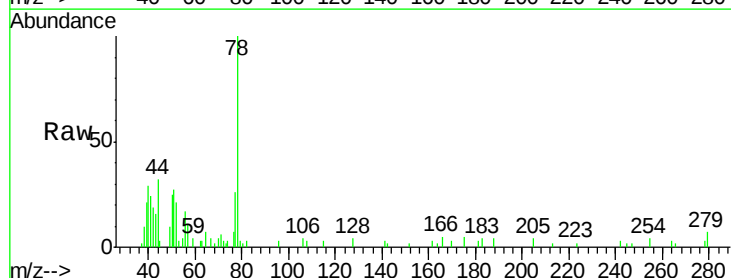
Instrument :
MSVOA_L
ClientSampleId :
539BDL

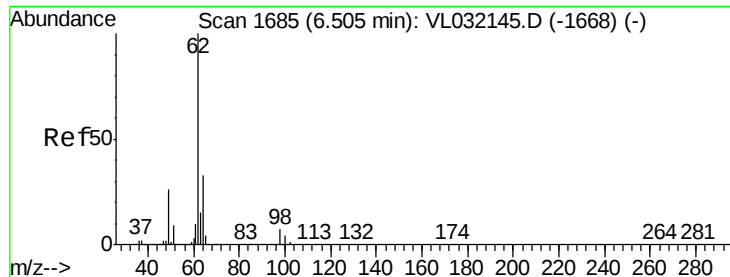
Tgt Ion: 117 Resp: 900
Ion Ratio Lower Upper
117 100
119 9.6 74.8 112.2#
121 0.0 24.0 36.0#



#36
Benzene
Concen: 0.015 ppbv
RT: 7.09 min Scan# 1868
Delta R.T. -0.02 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

Tgt Ion: 78 Resp: 5499
Ion Ratio Lower Upper
78 100
77 26.4 17.7 26.5
50 22.2 14.0 21.0#





#37

1,2-Dichloroethane

Concen: 0.001 ppbv

RT: 6.50 min Scan# 1684

Delta R.T. -0.02 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

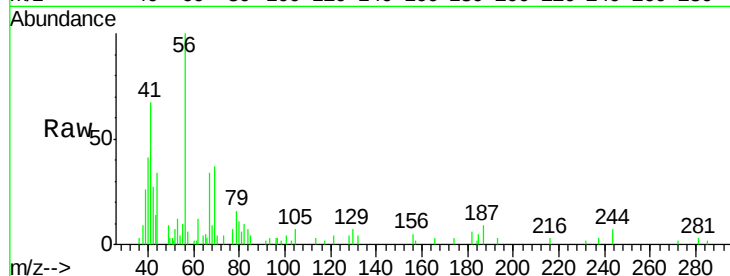
539BDL

Tgt Ion: 62 Resp: 268

Ion Ratio Lower Upper

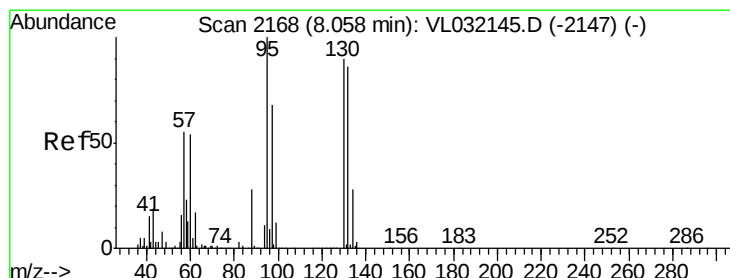
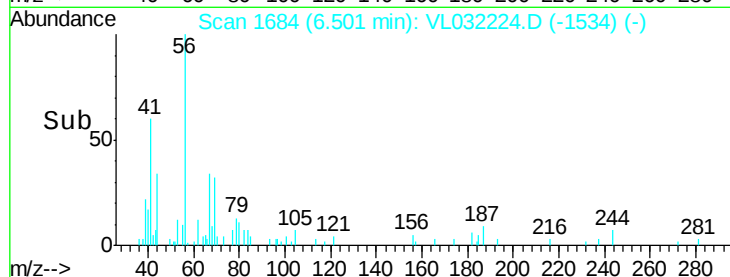
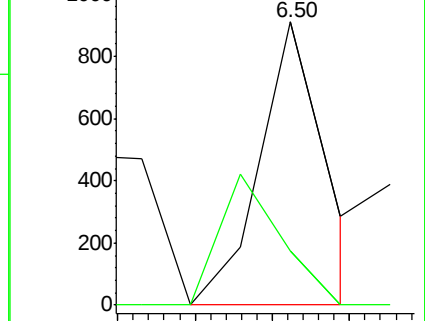
62 100

98 72.4 5.8 8.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.009 ppbv

RT: 8.04 min Scan# 2164

Delta R.T. -0.03 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Tgt Ion: 130 Resp: 1347

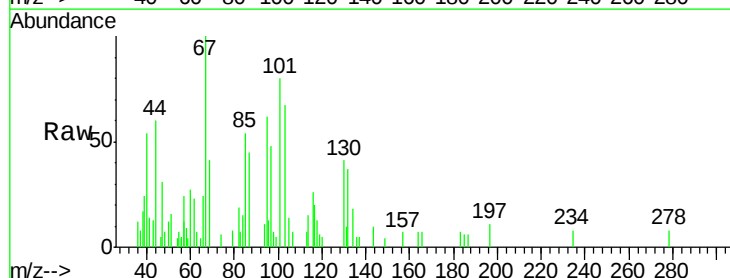
Ion Ratio Lower Upper

130 100

95 349.6 88.1 132.1#

132 168.4 74.6 112.0#

97 336.3 58.6 88.0#

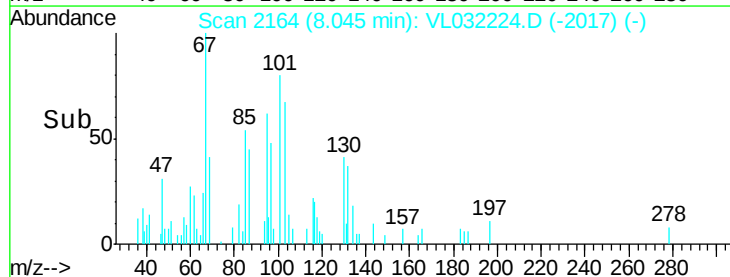
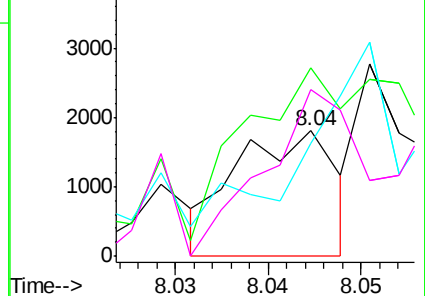


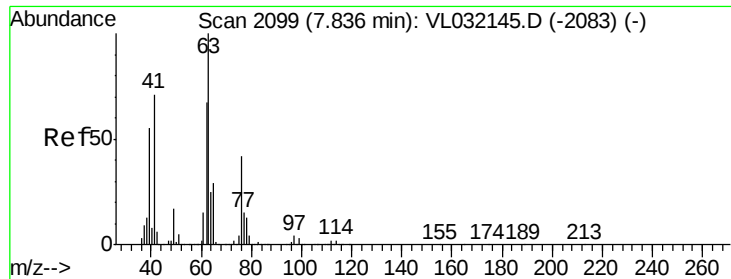
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 7.409 ppbv

RT: 7.38 min Scan# 1957

Delta R.T. -0.47 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

539BDL

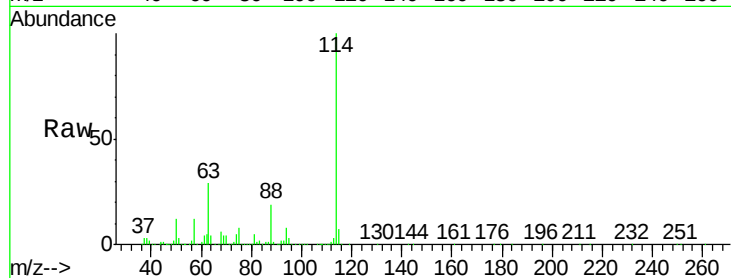
Tgt Ion: 63 Resp: 1105914

Ion Ratio Lower Upper

63 100

41 0.0 53.3 79.9#

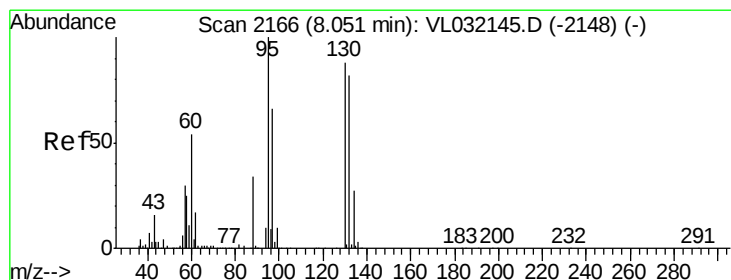
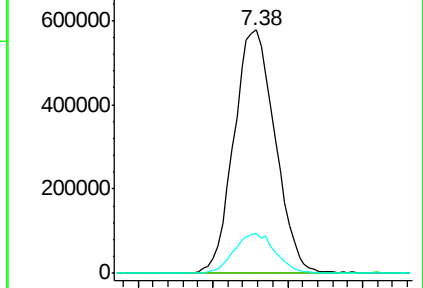
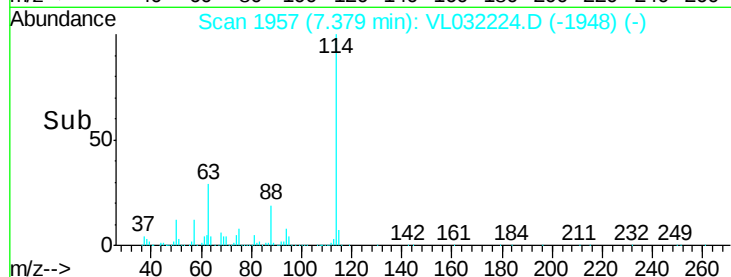
62 16.5 54.8 82.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 0.004 ppbv

RT: 8.01 min Scan# 2152

Delta R.T. -0.06 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Tgt Ion: 88 Resp: 220

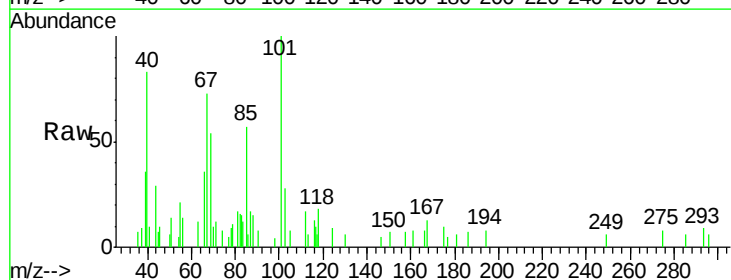
Ion Ratio Lower Upper

88 100

58 80.0 47.4 71.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

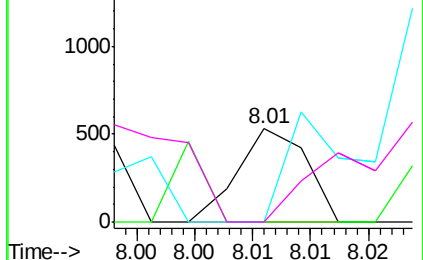
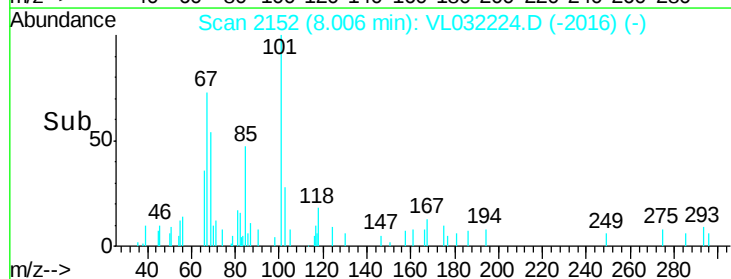


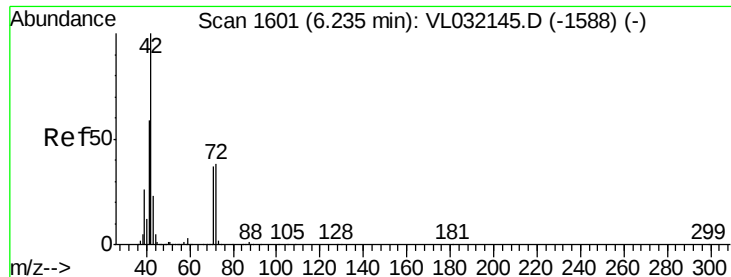
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 1.868 ppbv

RT: 5.86 min Scan# 1484

Delta R.T. -0.39 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

539BDL

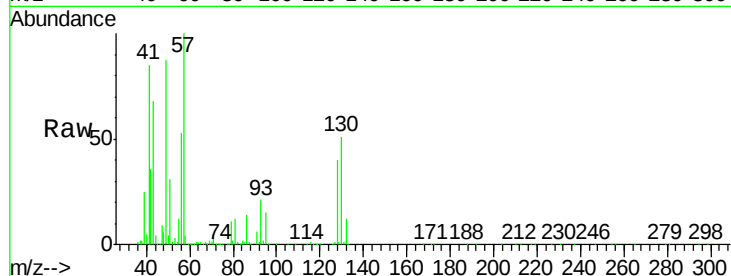
Tgt Ion: 42 Resp: 277955

Ion Ratio Lower Upper

42 100

72 1.2 31.1 46.7#

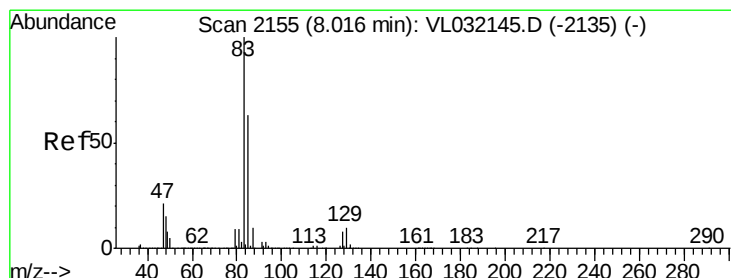
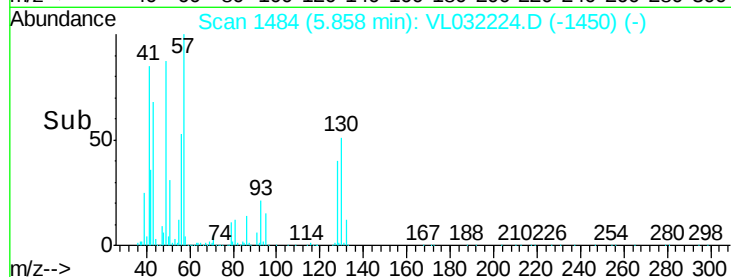
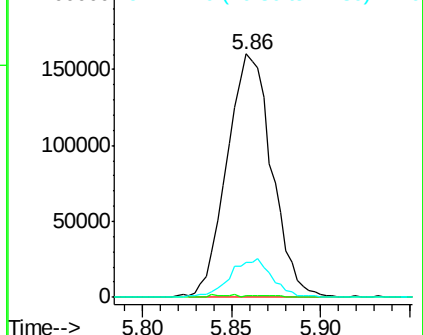
71 15.0 29.5 44.3#



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: 0.001 ppbv

RT: 8.01 min Scan# 2153

Delta R.T. -0.02 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

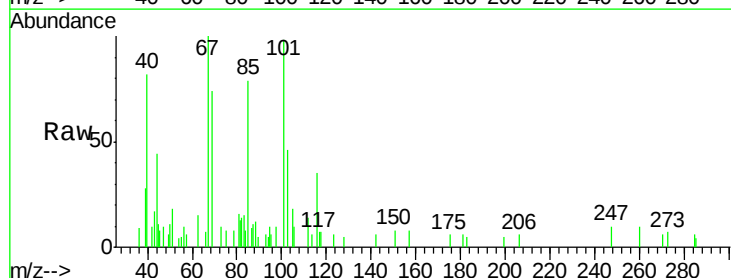
Tgt Ion: 83 Resp: 350

Ion Ratio Lower Upper

83 100

85 404.0 52.6 79.0#

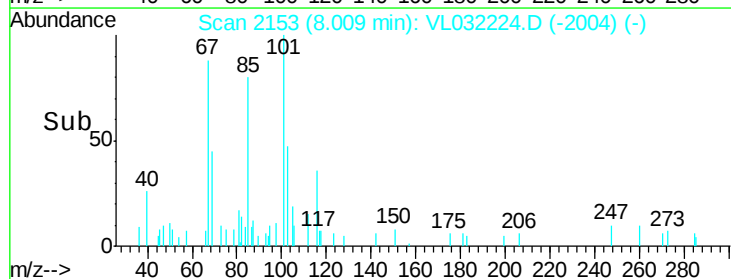
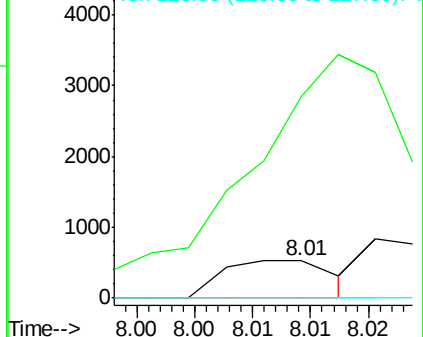
127 35.3 6.5 9.7#

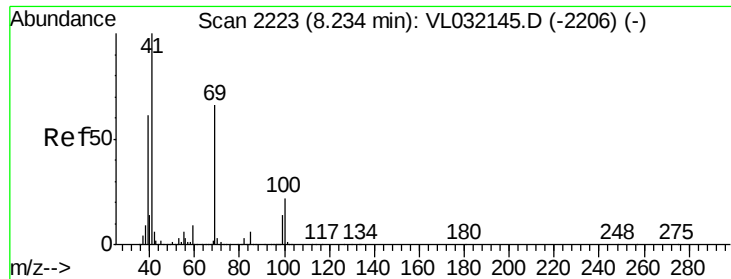


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

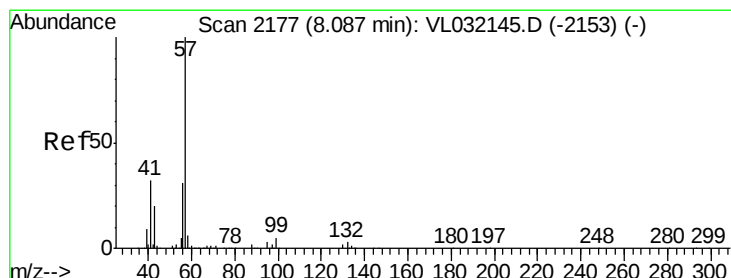
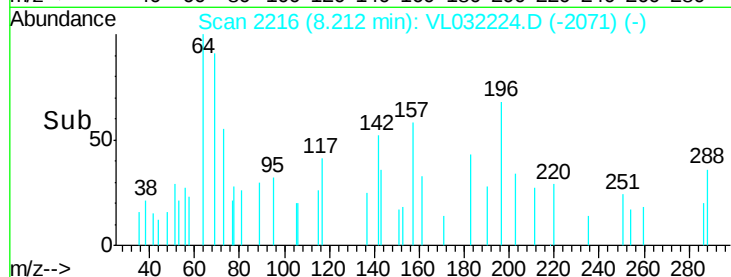
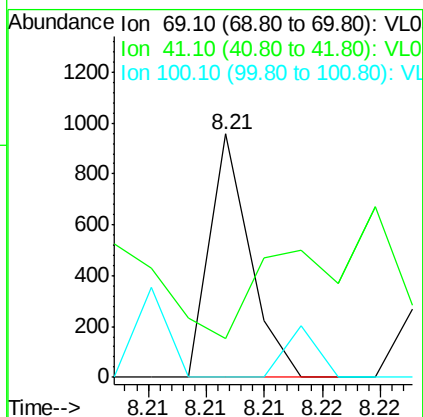
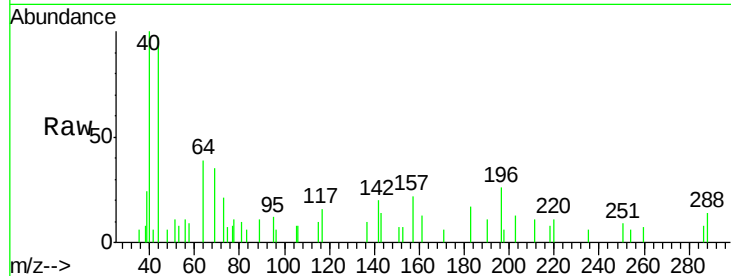




#43
Methyl Methacrylate
Concen: 0.001 ppbv
RT: 8.21 min Scan# 2216
Delta R.T. -0.03 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

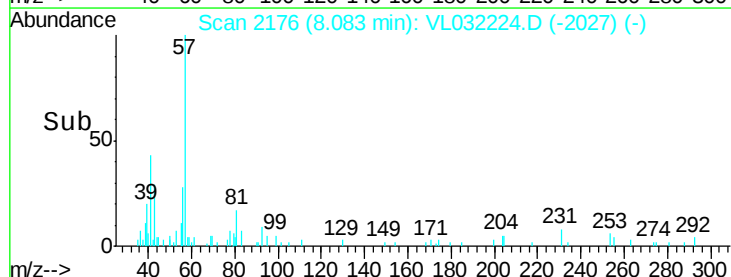
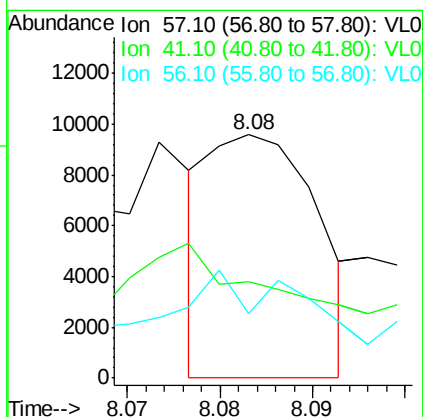
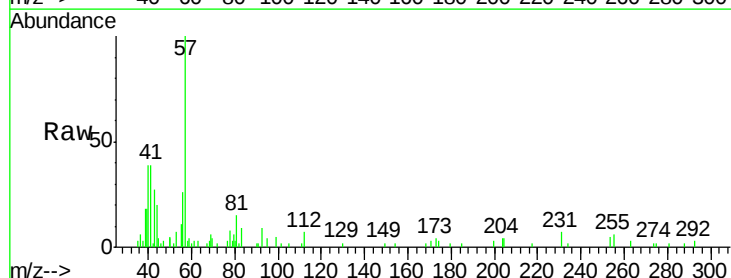
Instrument :
MSVOA_L
ClientSampleId :
539BDL

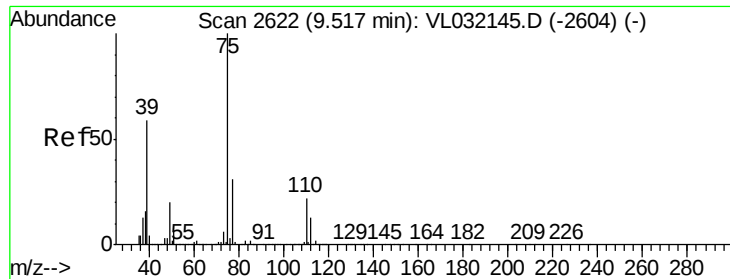
Tgt Ion: 69 Resp: 228
Ion Ratio Lower Upper
69 100
41 0.0 118.2 177.4#
100 0.0 27.4 41.2#



#44
2,2,4-Trimethylpentane
Concen: 0.012 ppbv
RT: 8.08 min Scan# 2176
Delta R.T. -0.02 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

Tgt Ion: 57 Resp: 7716
Ion Ratio Lower Upper
57 100
41 144.2 24.3 36.5#
56 117.3 25.1 37.7#





#45

t-1,3-Dichloropropene

Concen: 0.005 ppbv

RT: 9.49 min Scan# 2615

Delta R.T. -0.03 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

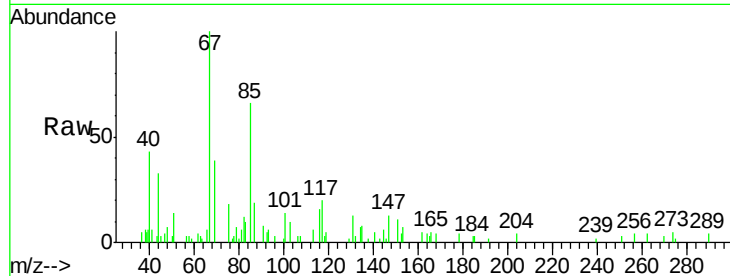
539BDL

Tgt Ion: 75 Resp: 919

Ion Ratio Lower Upper

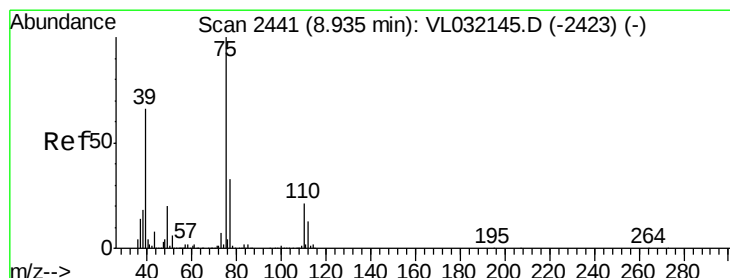
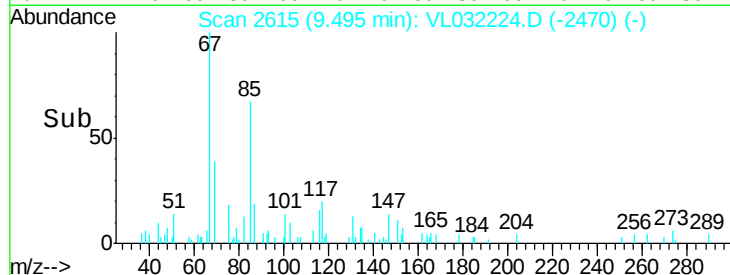
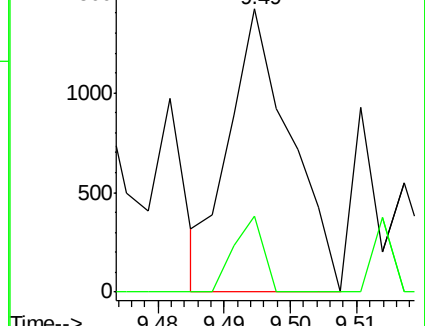
75 100

77 26.9 25.6 38.4



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: 0.001 ppbv

RT: 8.89 min Scan# 2426

Delta R.T. -0.06 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

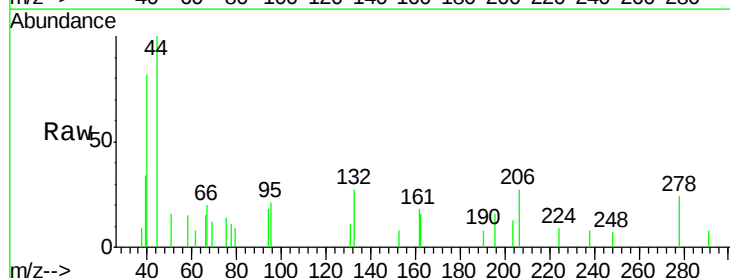
Tgt Ion: 75 Resp: 124

Ion Ratio Lower Upper

75 100

39 100.0 51.9 77.9#

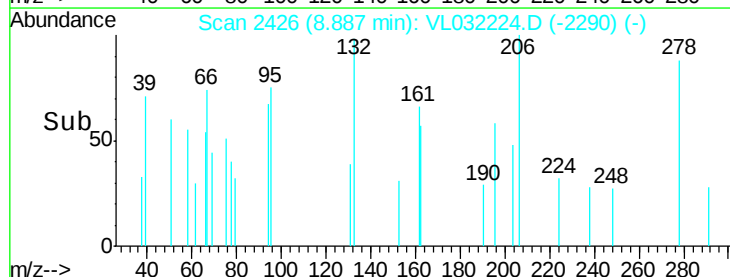
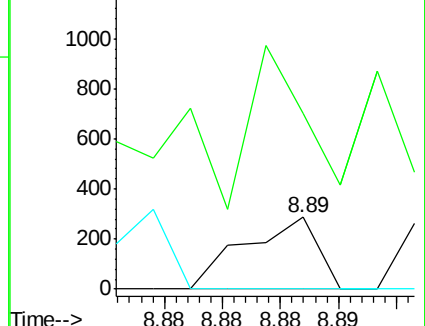
77 0.0 24.3 36.5#

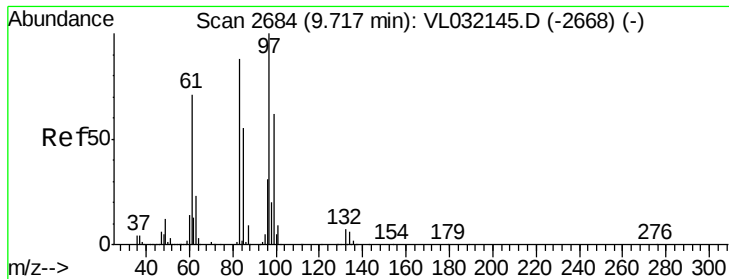


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

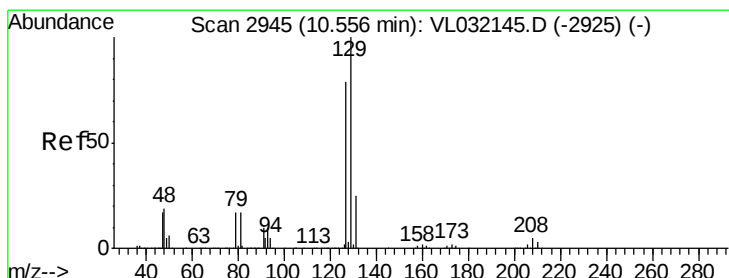
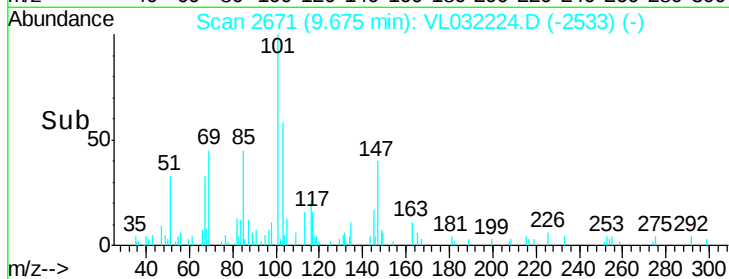
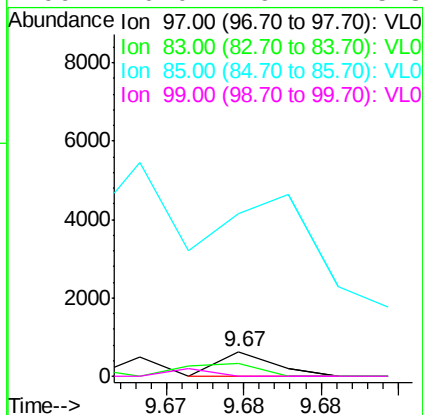
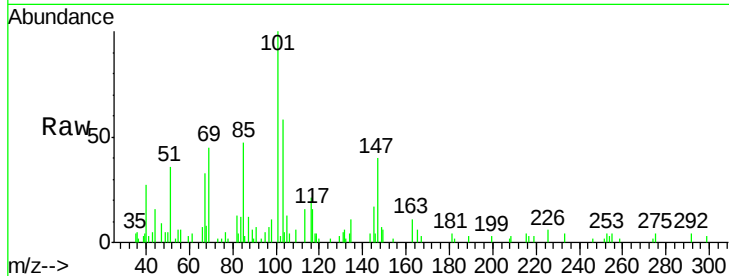




#47
 1,1,2-Trichloroethane
 Concen: 0.001 ppbv
 RT: 9.67 min Scan# 2671
 Delta R.T. -0.05 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

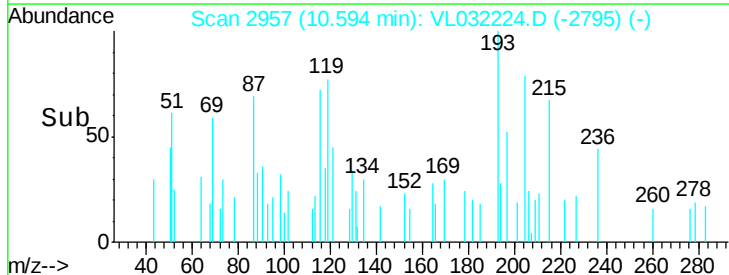
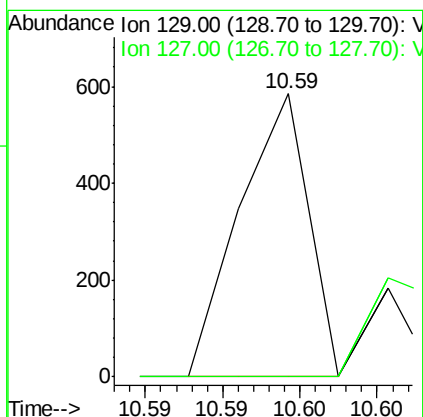
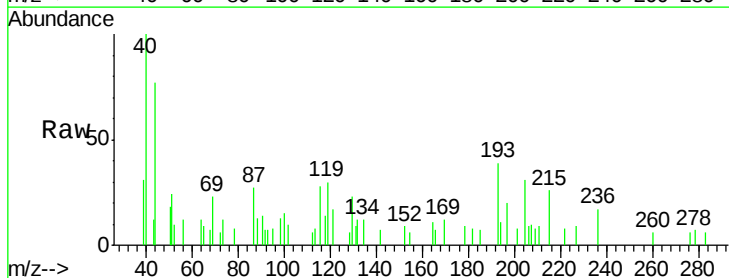
Instrument :
 MSVOA_L
 ClientSampleId :
 539BDL

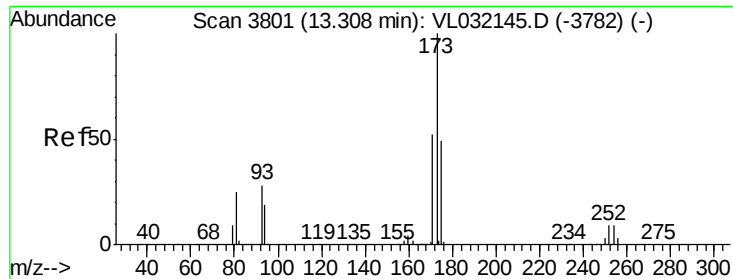
Tgt Ion: 97 Resp: 157
 Ion Ratio Lower Upper
 97 100
 83 226.1 71.0 106.4#
 85 329.8 44.2 66.4#
 99 0.0 49.2 73.8#



#48
 Dibromochloromethane
 Concen: 0.001 ppbv
 RT: 10.59 min Scan# 2957
 Delta R.T. 0.02 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

Tgt Ion: 129 Resp: 180
 Ion Ratio Lower Upper
 129 100
 127 113.3 39.1 117.5





#49

Bromoform

Concen: 0.001 ppbv

RT: 13.30 min Scan# 3797

Delta R.T. -0.03 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

539BDL

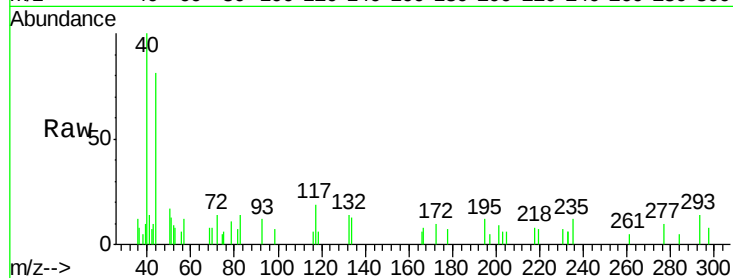
Tgt Ion: 173 Resp: 128

Ion Ratio Lower Upper

173 100

175 0.0 39.4 59.0#

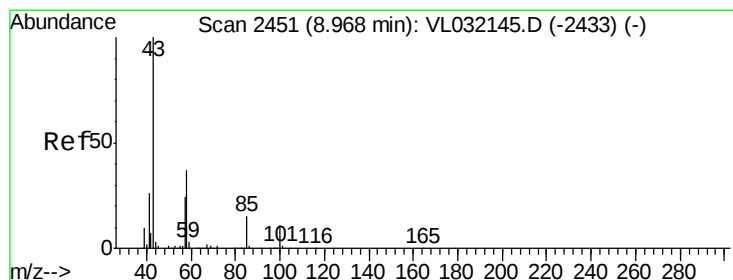
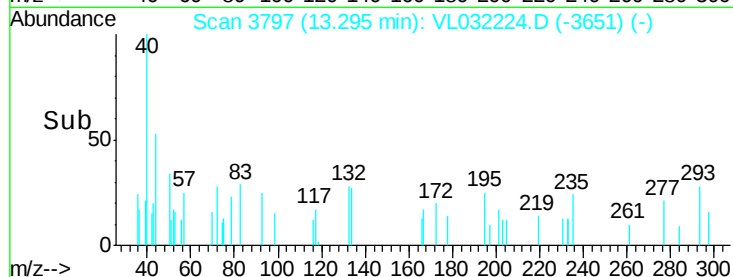
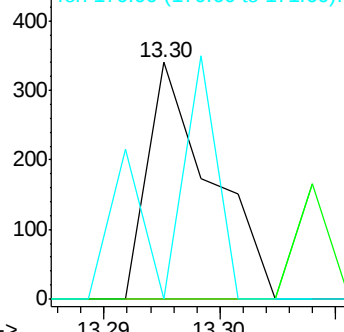
171 142.2 41.8 62.8#



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: 0.001 ppbv

RT: 8.96 min Scan# 2449

Delta R.T. -0.02 min

Lab File: VL032224.D

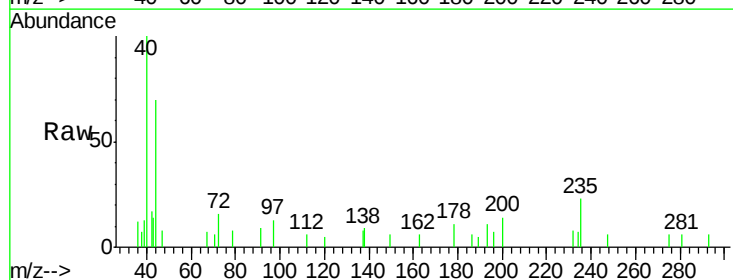
Acq: 6 Jul 2018 4:24

Tgt Ion: 43 Resp: 246

Ion Ratio Lower Upper

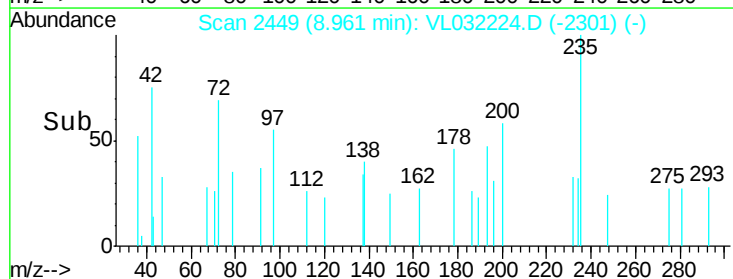
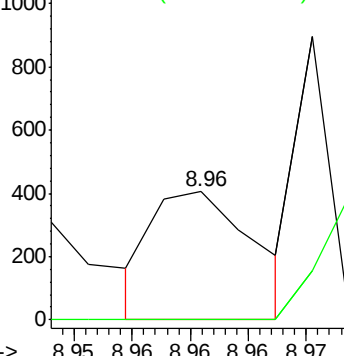
43 100

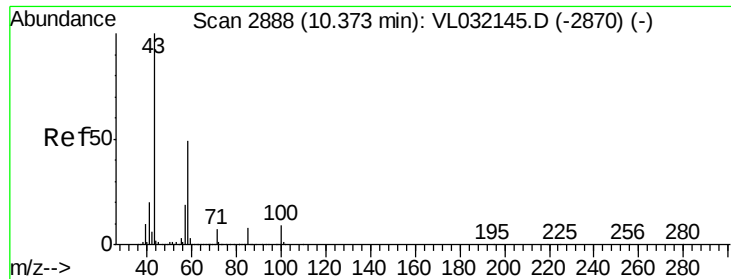
58 0.0 29.8 44.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.001 ppbv

RT: 10.35 min Scan# 2880

Delta R.T. -0.04 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

539BDL

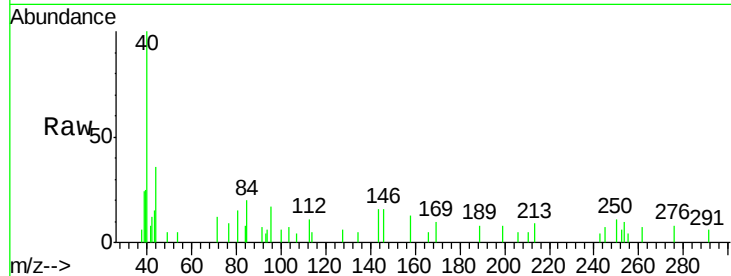
Tgt Ion: 43 Resp: 274

Ion Ratio Lower Upper

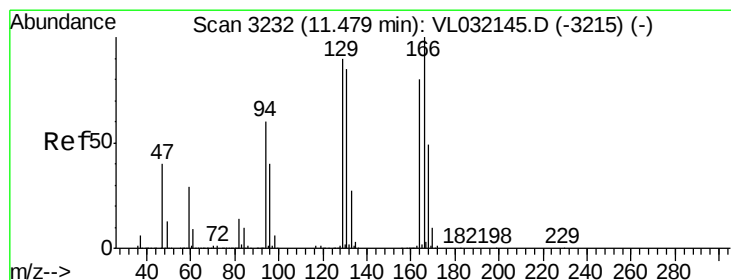
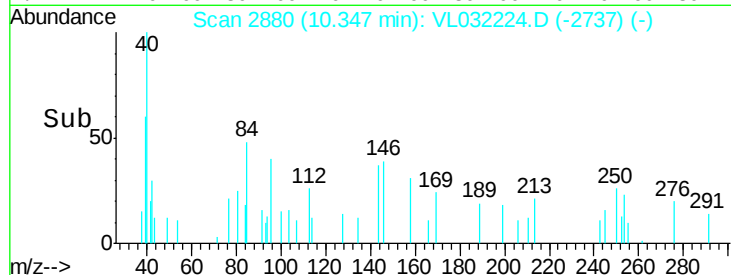
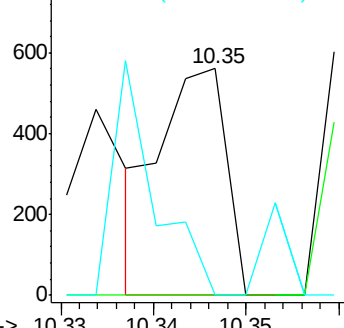
43 100

58 0.0 40.6 60.8#

98 0.0 0.1 0.1#



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



#52

Tetrachloroethene

Concen: 0.001 ppbv

RT: 11.45 min Scan# 3224

Delta R.T. -0.04 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Tgt Ion: 164 Resp: 99

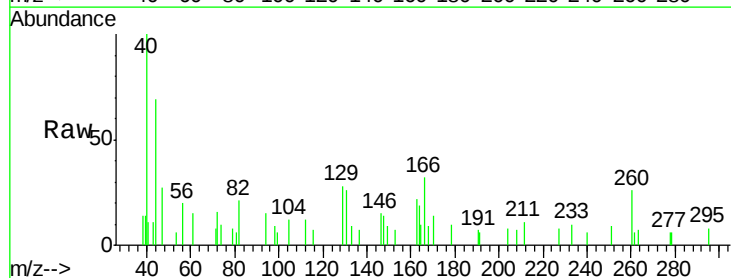
Ion Ratio Lower Upper

164 100

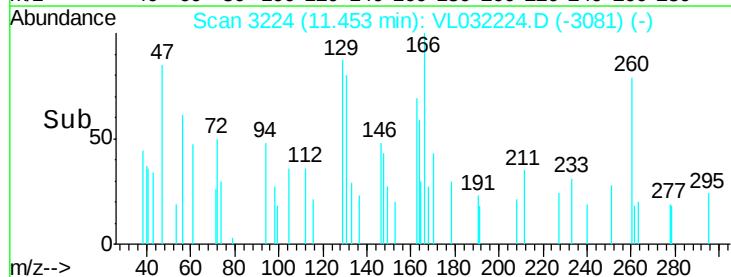
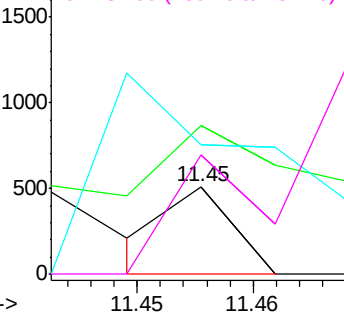
166 53.4 100.6 151.0#

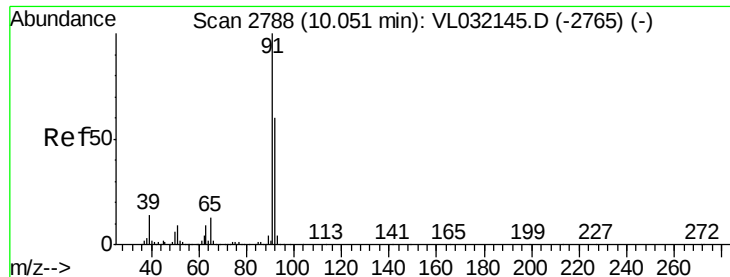
129 1.8 84.0 126.0#

131 89.9 82.7 124.1



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





#53

Toluene

Concen: 0.021 ppbv

RT: 10.03 min Scan# 2783

Delta R.T. -0.03 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

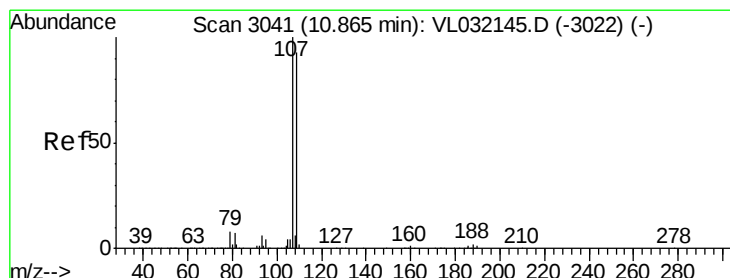
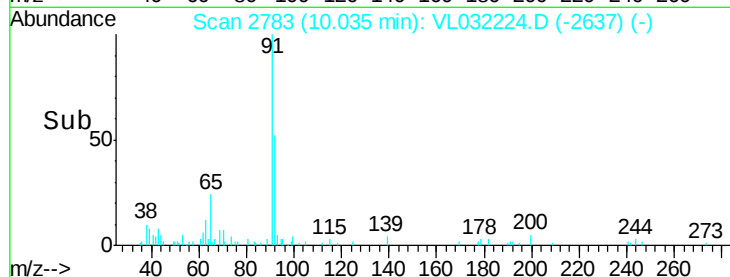
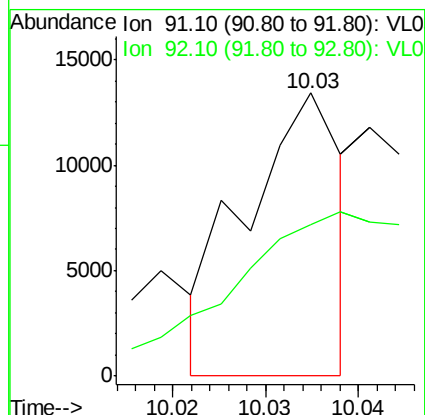
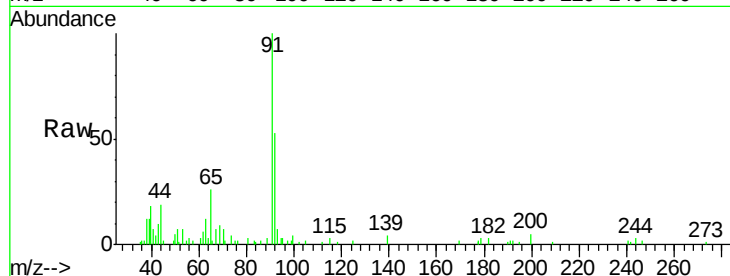
539BDL

Tgt Ion: 91 Resp: 9675

Ion Ratio Lower Upper

91 100

92 0.0 49.2 73.8#



#54

1,2-Dibromoethane

Concen: 0.000 ppbv

RT: 10.85 min Scan# 3037

Delta R.T. -0.03 min

Lab File: VL032224.D

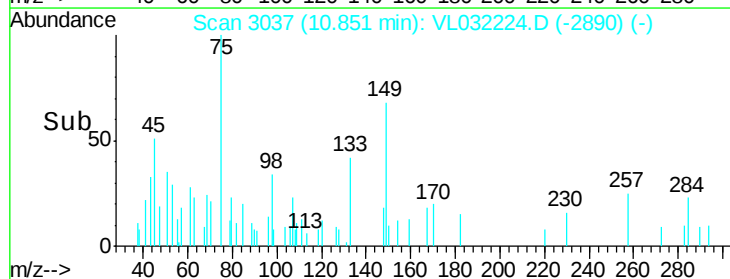
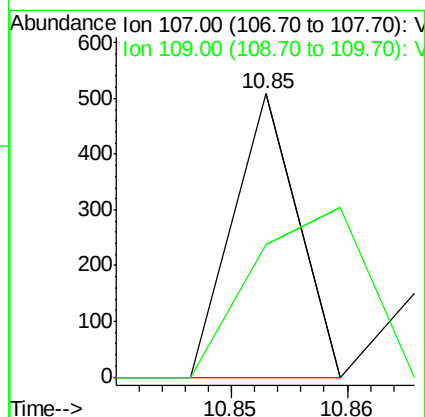
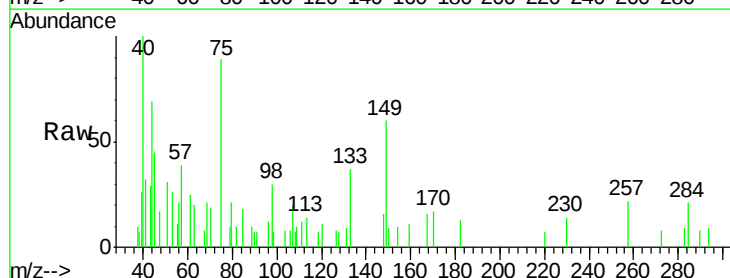
Acq: 6 Jul 2018 4:24

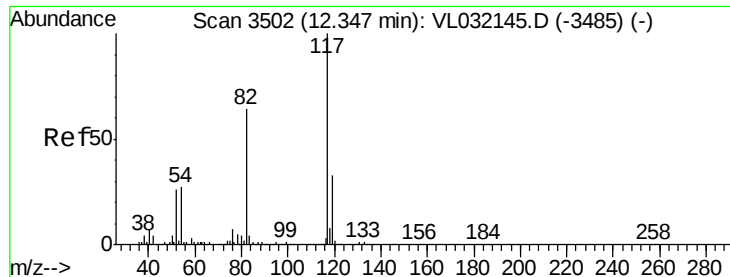
Tgt Ion: 107 Resp: 98

Ion Ratio Lower Upper

107 100

109 46.7 75.0 112.4#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.33 min Scan# 3498

Delta R.T. -0.03 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampled :

539BDL

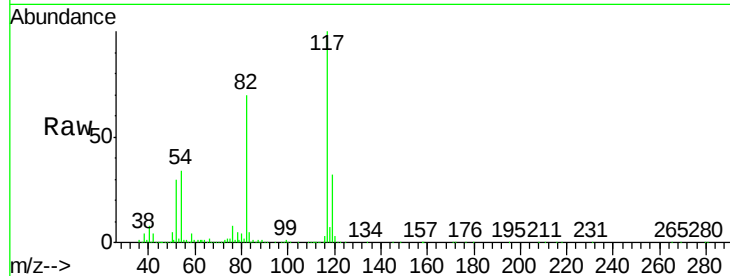
Tgt Ion:117 Resp: 3954892

Ion Ratio Lower Upper

117 100

82 70.5 47.8 71.8

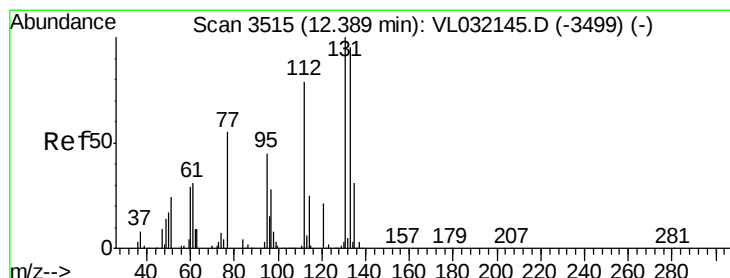
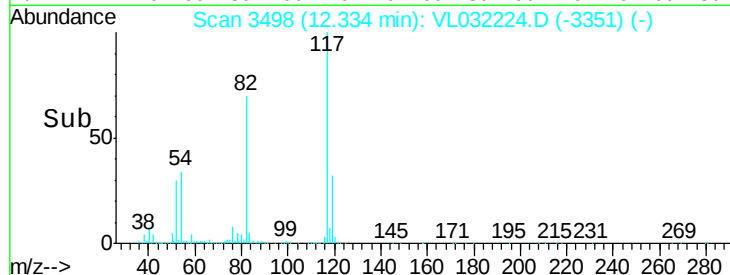
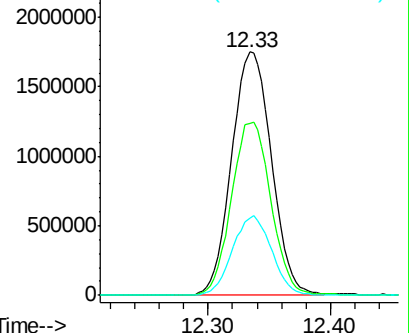
119 32.4 43.3 64.9#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.001 ppbv

RT: 12.36 min Scan# 3507

Delta R.T. -0.04 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

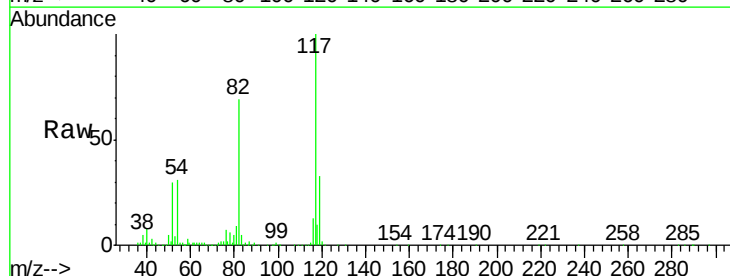
Tgt Ion:131 Resp: 107

Ion Ratio Lower Upper

131 100

133 0.0 75.5 113.3#

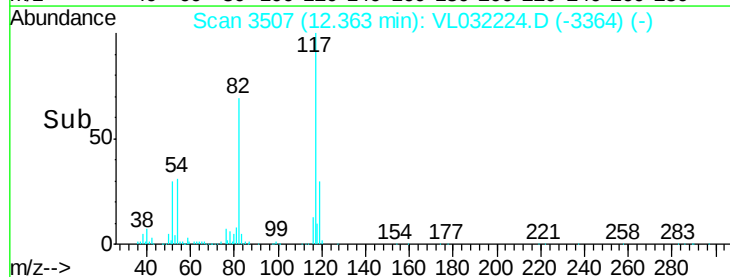
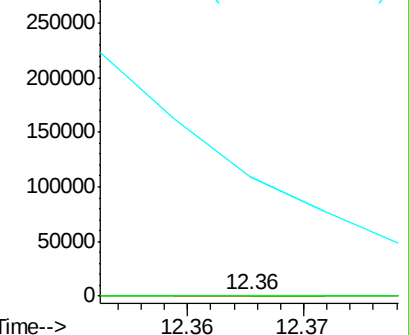
119 0.0 118.4 177.6#

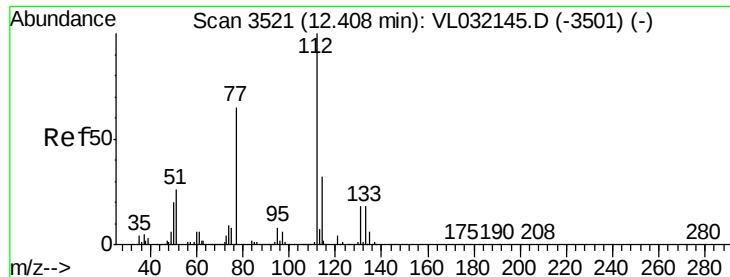


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.001 ppbv

RT: 12.39 min Scan# 3516

Delta R.T. -0.03 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

539BDL

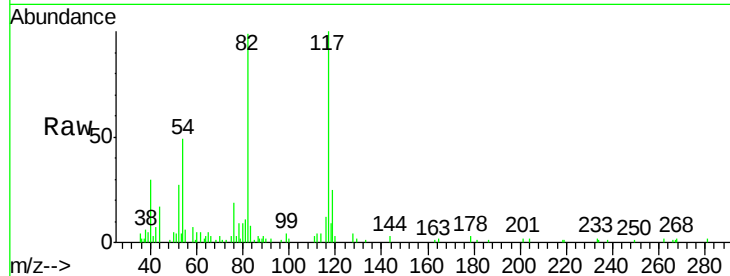
Tgt Ion: 112 Resp: 310

Ion Ratio Lower Upper

112 100

77 39.1 52.6 78.8#

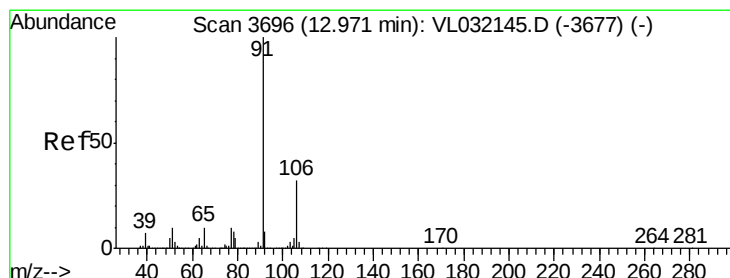
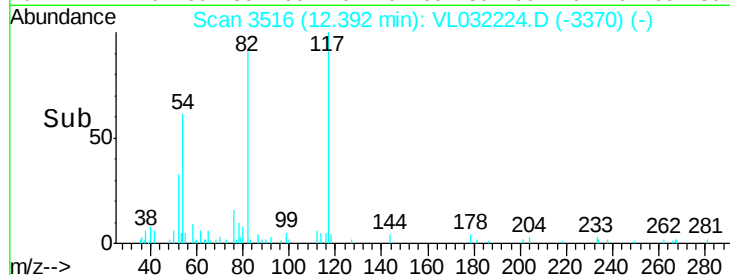
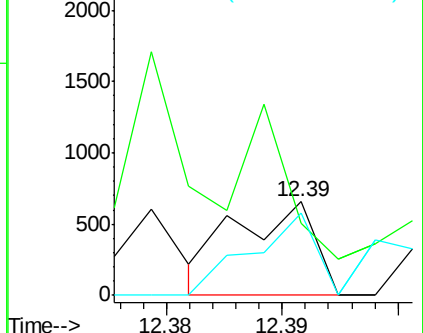
114 88.1 27.9 34.1#



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: 0.003 ppbv

RT: 12.97 min Scan# 3695

Delta R.T. -0.02 min

Lab File: VL032224.D

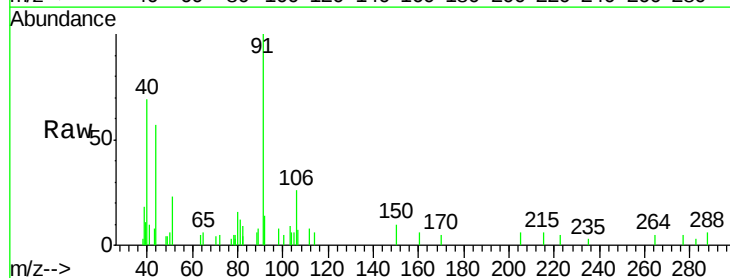
Acq: 6 Jul 2018 4:24

Tgt Ion: 91 Resp: 2187

Ion Ratio Lower Upper

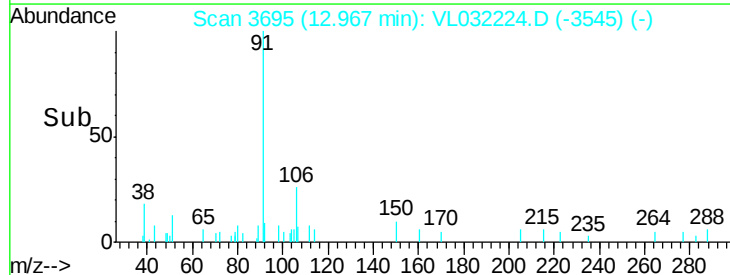
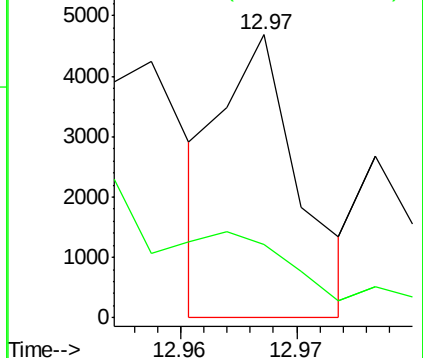
91 100

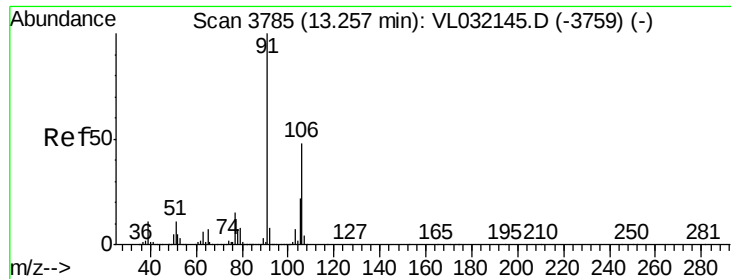
106 38.6 26.5 39.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

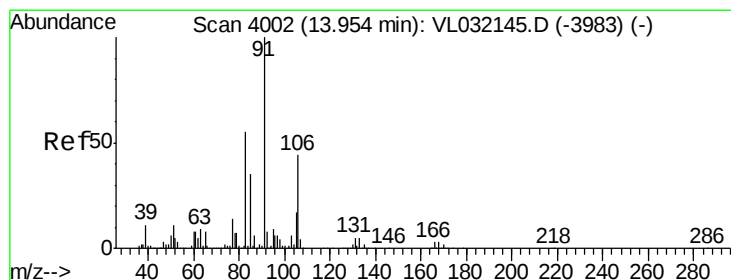
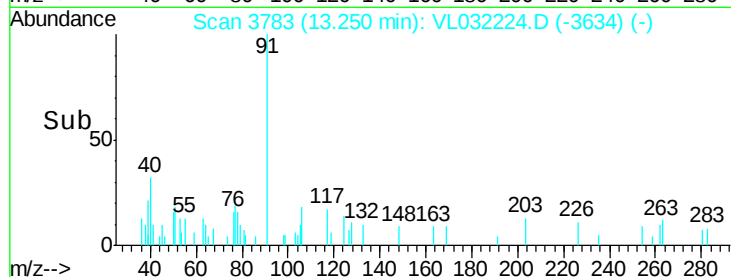
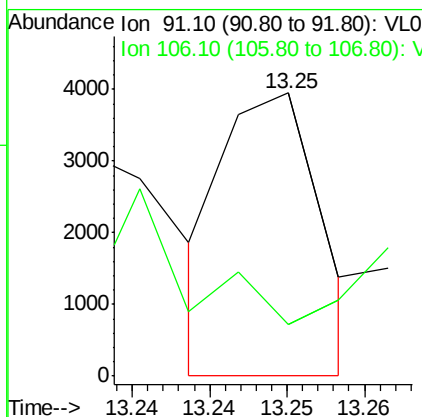
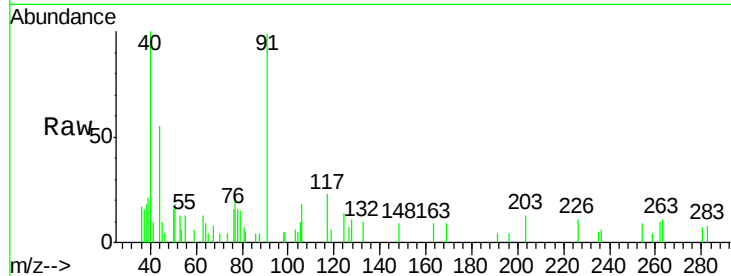




#59
m/p-Xylene
Concen: 0.003 ppbv
RT: 13.25 min Scan# 3783
Delta R.T. -0.02 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

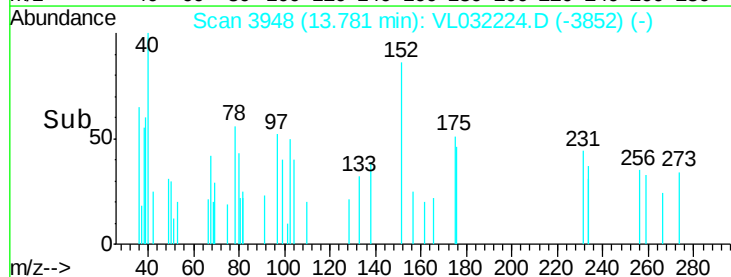
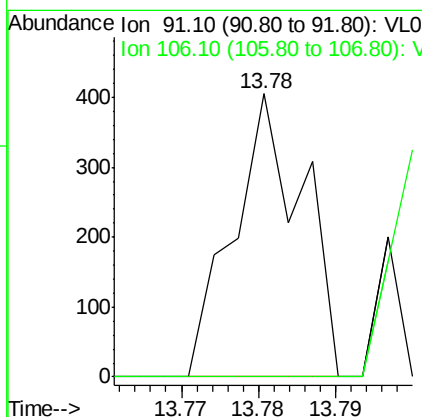
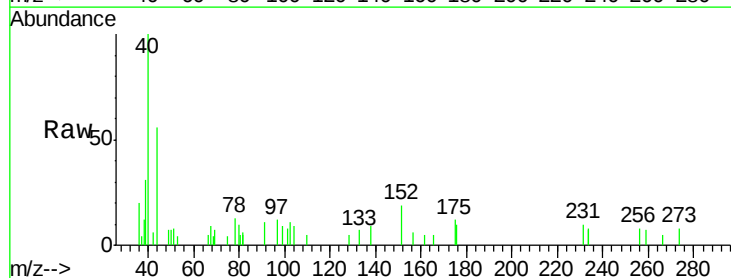
Instrument :
MSVOA_L
ClientSampled :
539BDL

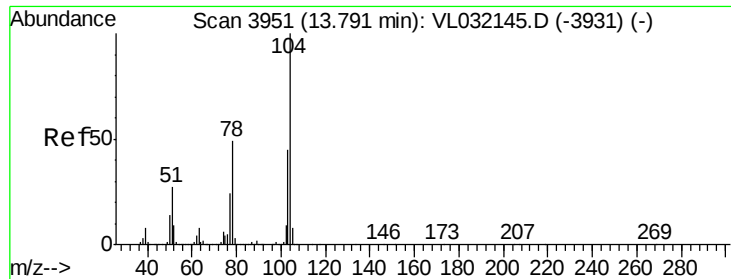
Tgt Ion: 91 Resp: 1729
Ion Ratio Lower Upper
91 100
106 0.0 38.6 58.0#



#60
o-Xylene
Concen: 0.000 ppbv
RT: 13.78 min Scan# 3948
Delta R.T. -0.19 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

Tgt Ion: 91 Resp: 252
Ion Ratio Lower Upper
91 100
106 69.0 23.3 69.8





#61

Styrene

Concen: 0.001 ppbv

RT: 13.77 min Scan# 3946

Delta R.T. -0.03 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

539BDL

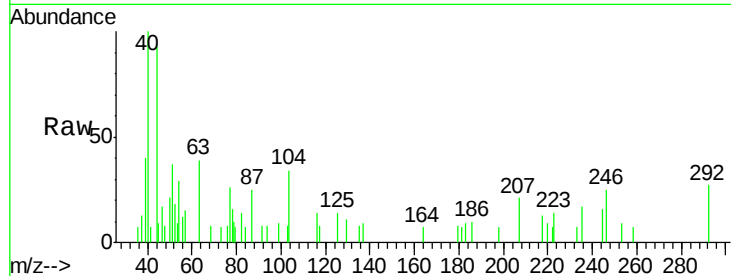
Tgt Ion:104 Resp: 317

Ion Ratio Lower Upper

104 100

78 0.0 37.9 56.9#

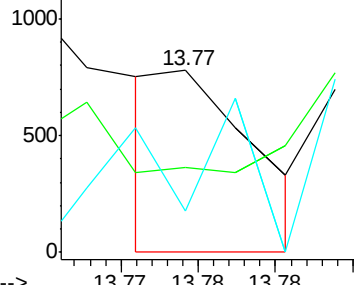
103 0.0 36.6 55.0#



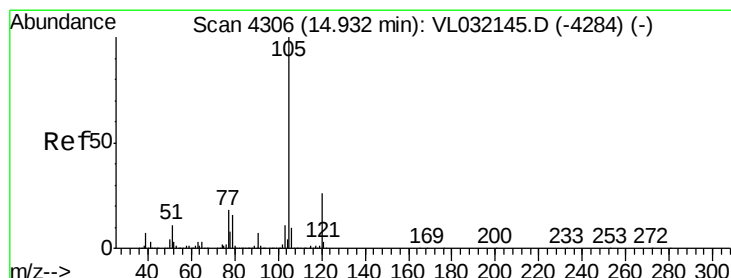
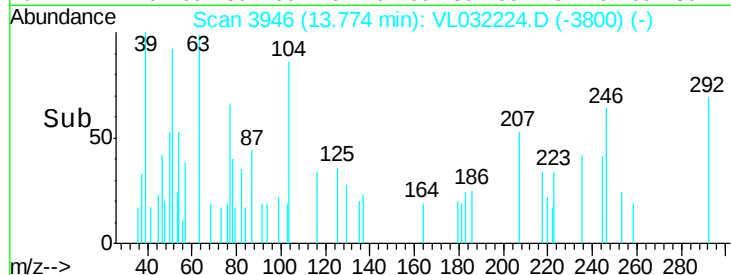
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



Time-->



#62

Isopropylbenzene

Concen: 0.000 ppbv

RT: 14.97 min Scan# 4317

Delta R.T. 0.02 min

Lab File: VL032224.D

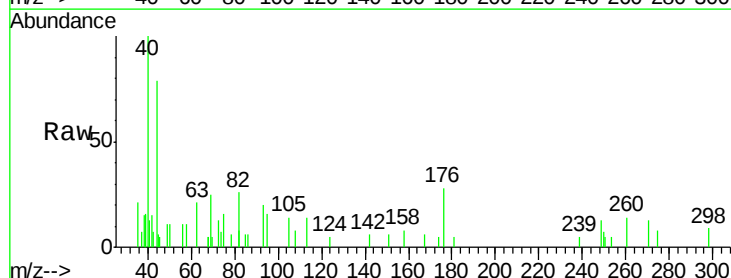
Acq: 6 Jul 2018 4:24

Tgt Ion:105 Resp: 157

Ion Ratio Lower Upper

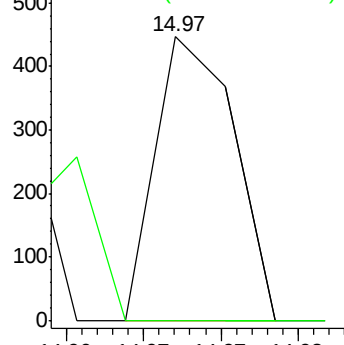
105 100

120 21.7 21.0 31.4

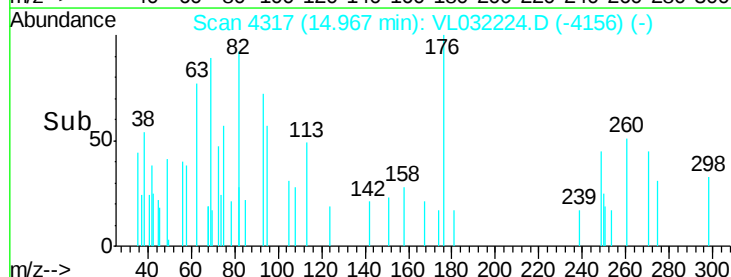


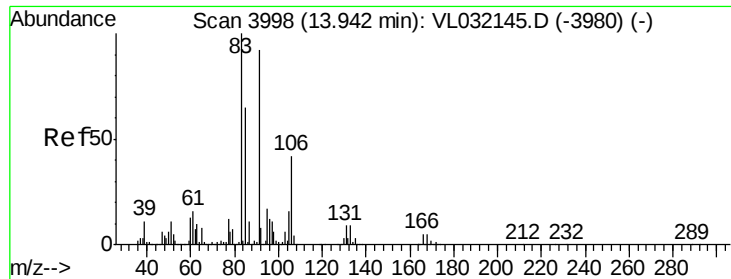
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



Time-->

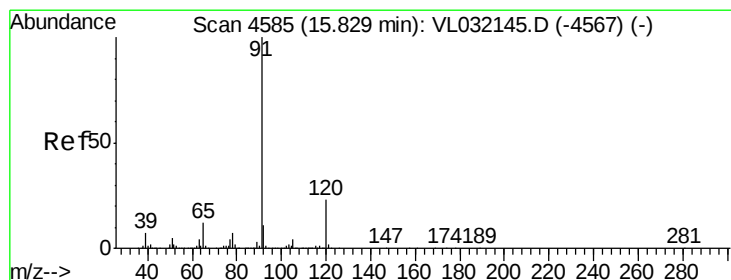
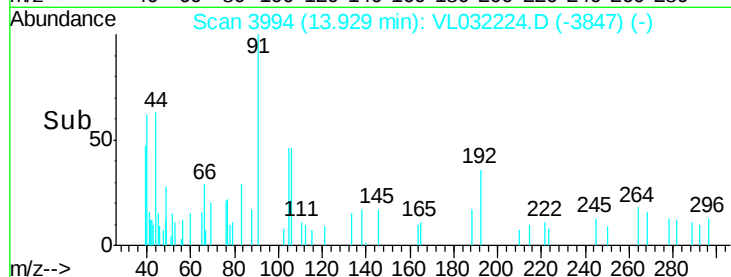
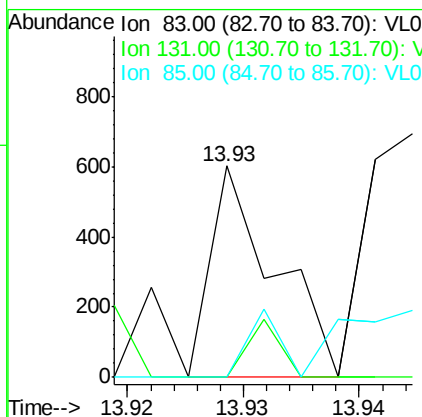
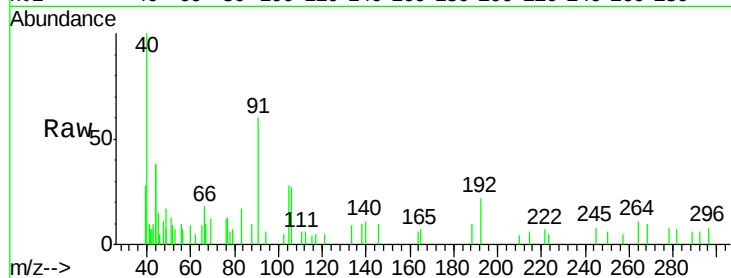




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.001 ppbv
 RT: 13.93 min Scan# 3994
 Delta R.T. -0.03 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

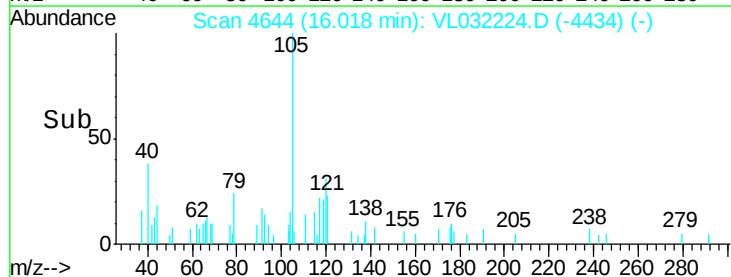
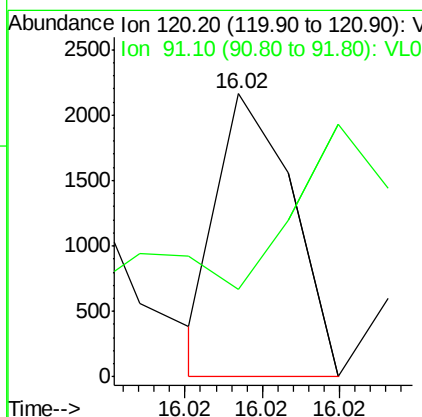
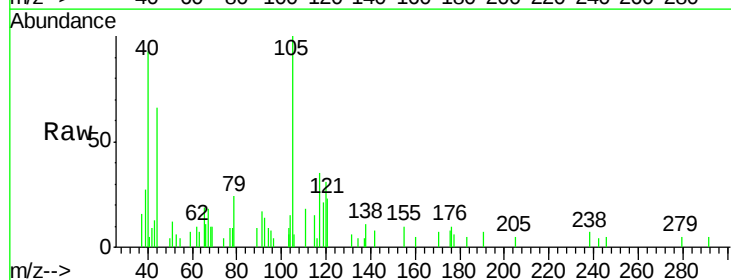
Instrument :
 MSVOA_L
 ClientSampleId :
 539BDL

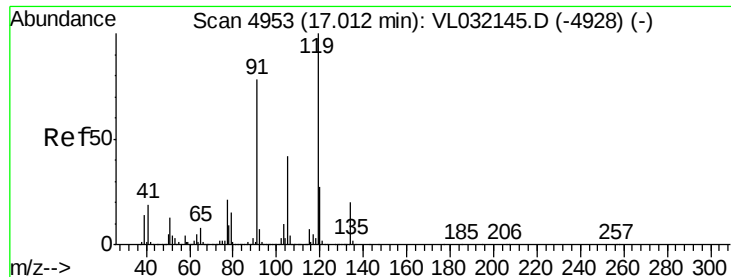
Tgt Ion: 83 Resp: 230
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.6 13.8#
 85 0.0 32.4 97.2#



#64
 n-propylbenzene
 Concen: 0.004 ppbv
 RT: 16.02 min Scan# 4644
 Delta R.T. 0.18 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

Tgt Ion: 120 Resp: 718
 Ion Ratio Lower Upper
 120 100
 91 513.1 357.4 536.0

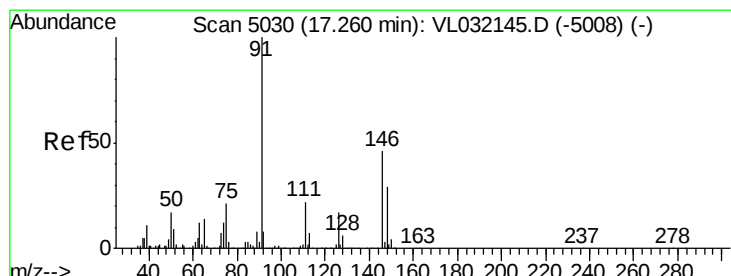
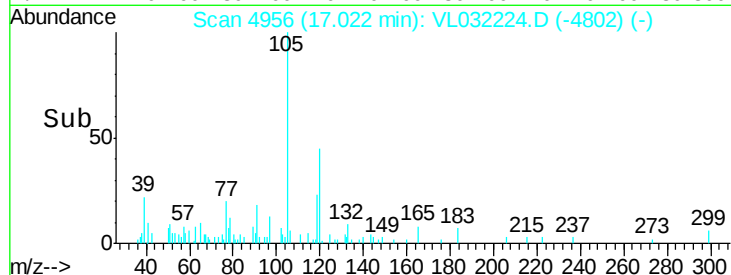
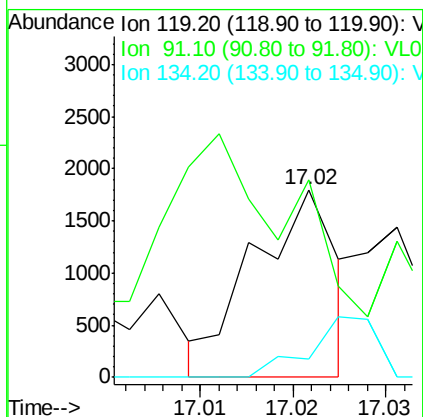
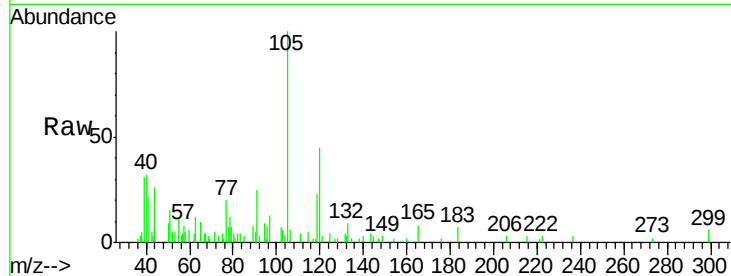




#65
tert-Butylbenzene
Concen: 0.002 ppbv
RT: 17.02 min Scan# 4956
Delta R.T. -0.00 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

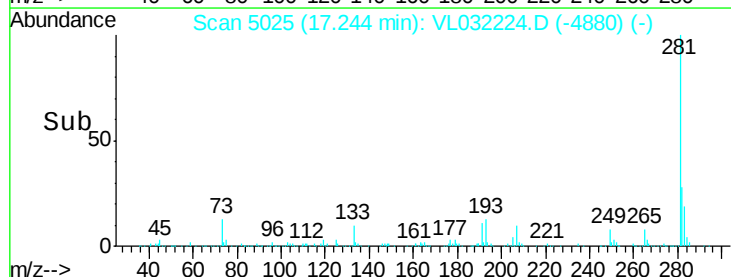
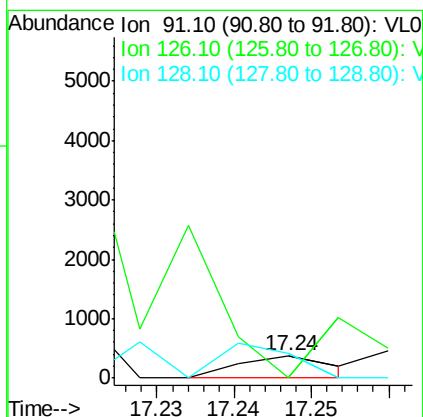
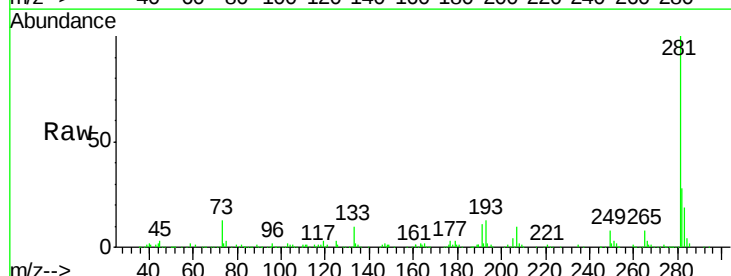
Instrument :
MSVOA_L
ClientSampleId :
539BDL

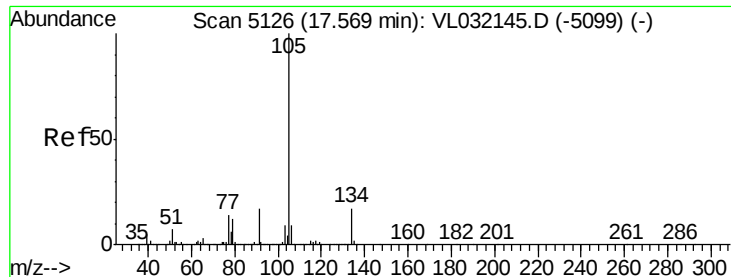
Tgt Ion: 119 Resp: 1114
Ion Ratio Lower Upper
119 100
91 415.2 62.2 93.2#
134 0.0 16.2 24.2#



#66
Benzyl Chloride
Concen: 0.000 ppbv
RT: 17.24 min Scan# 5025
Delta R.T. -0.03 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

Tgt Ion: 91 Resp: 163
Ion Ratio Lower Upper
91 100
126 0.0 15.7 23.5#
128 0.0 5.2 7.8#





#67

sec-Butylbenzene

Concen: 0.000 ppbv

RT: 17.54 min Scan# 5117

Delta R.T. -0.04 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampled :

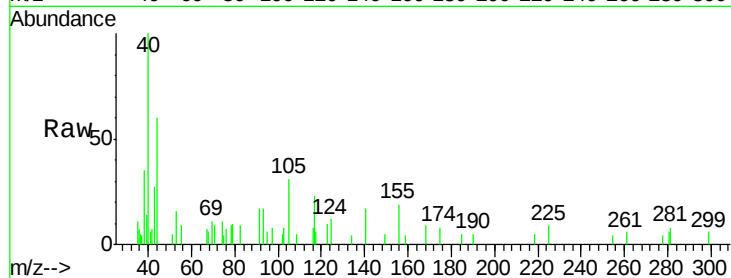
539BDL

Tgt Ion:105 Resp: 375

Ion Ratio Lower Upper

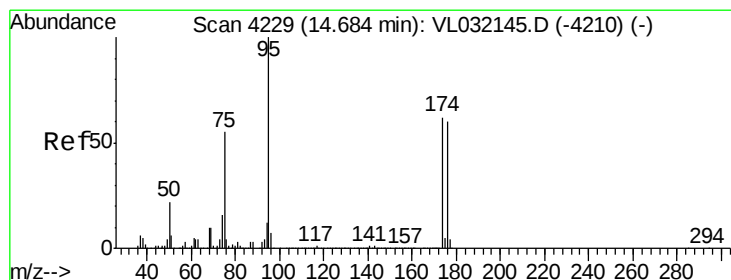
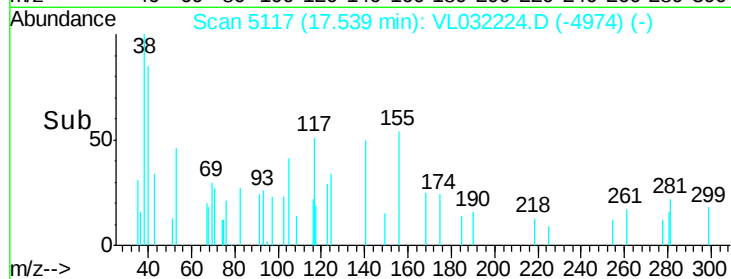
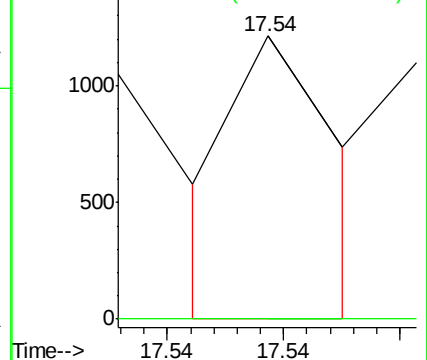
105 100

134 0.0 14.7 22.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.006 ppbv

RT: 14.67 min Scan# 4225

Delta R.T. -0.03 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

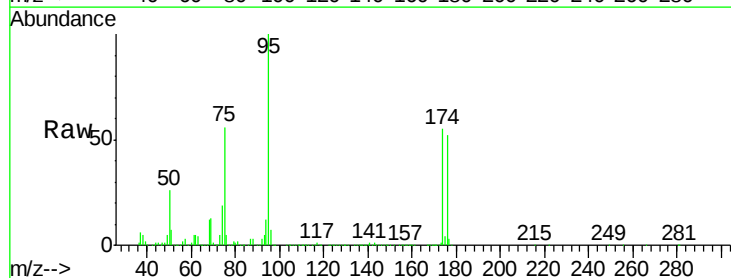
Tgt Ion: 95 Resp: 3024814

Ion Ratio Lower Upper

95 100

174 54.6 52.1 78.1

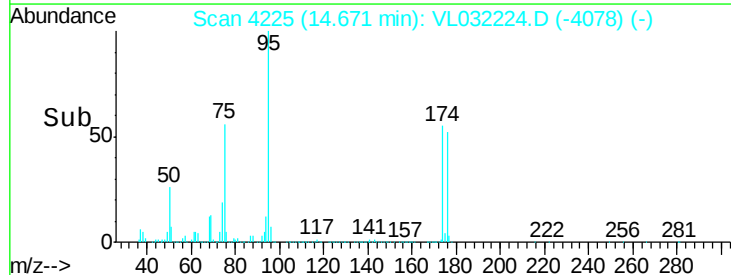
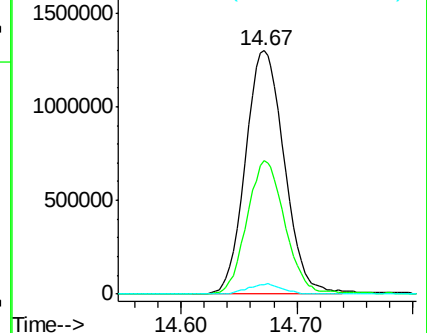
175 3.9 4.0 6.0#

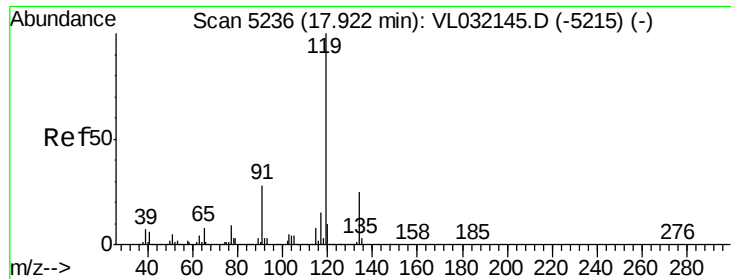


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.001 ppbv

RT: 17.90 min Scan# 5229

Delta R.T. -0.03 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampled :

539BDL

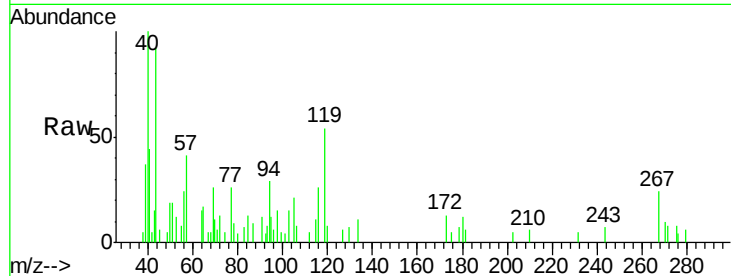
Tgt Ion: 119 Resp: 784

Ion Ratio Lower Upper

119 100

134 0.0 20.7 31.1#

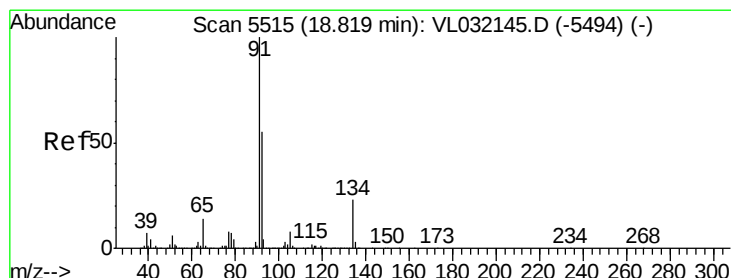
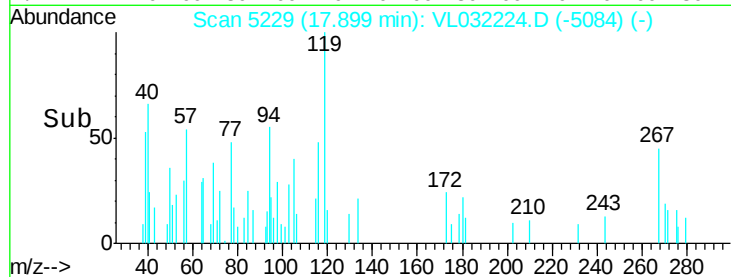
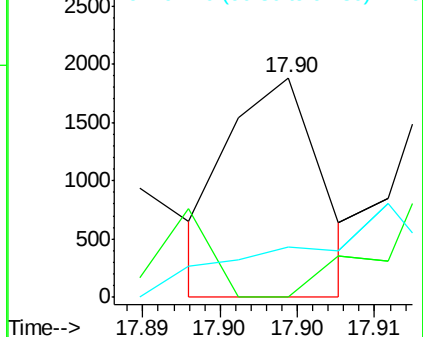
91 0.0 21.8 32.8#



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): VL0



#70

n-Butylbenzene

Concen: 0.000 ppbv

RT: 18.78 min Scan# 5504

Delta R.T. -0.05 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

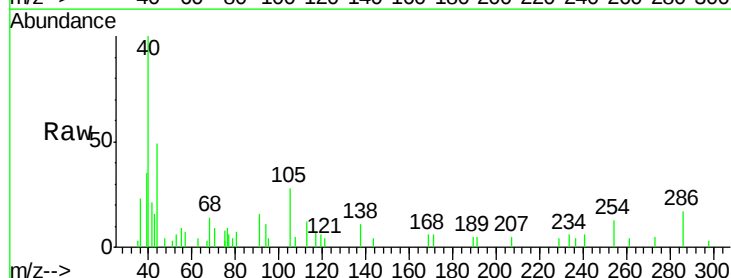
Tgt Ion: 91 Resp: 353

Ion Ratio Lower Upper

91 100

92 0.0 43.7 65.5#

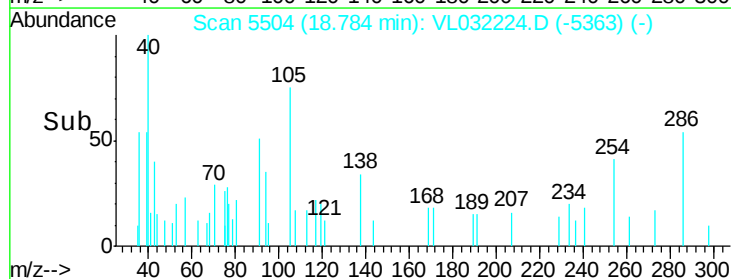
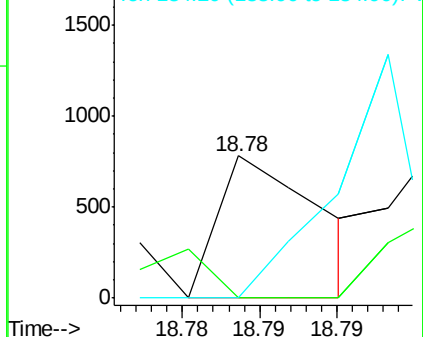
134 0.0 18.9 28.3#

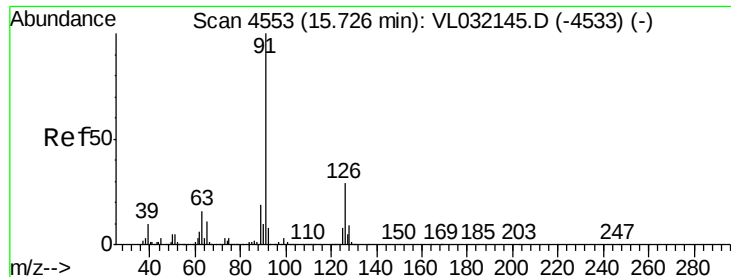


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

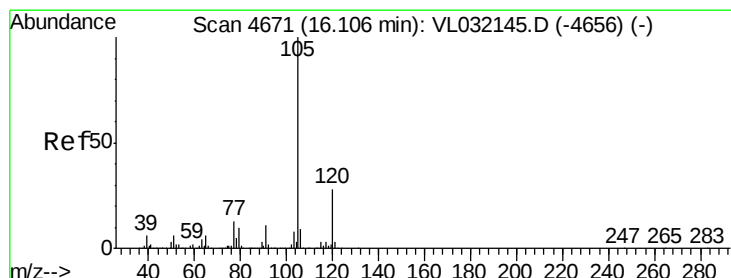
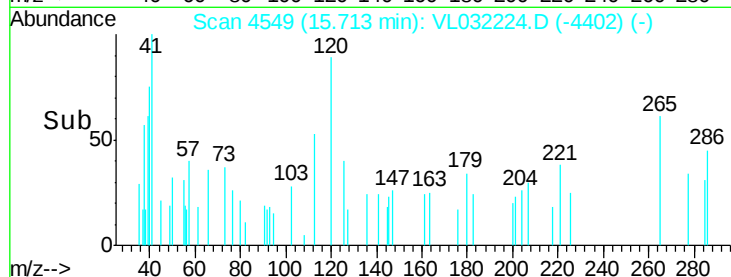
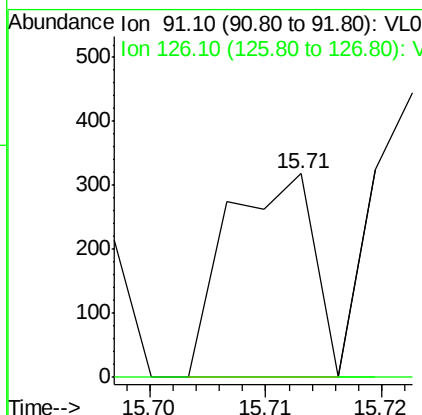
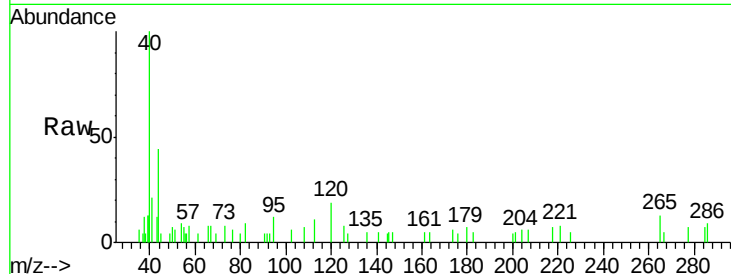




#71
2-Chlorotoluene
Concen: 0.000 ppbv
RT: 15.71 min Scan# 4549
Delta R.T. -0.03 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

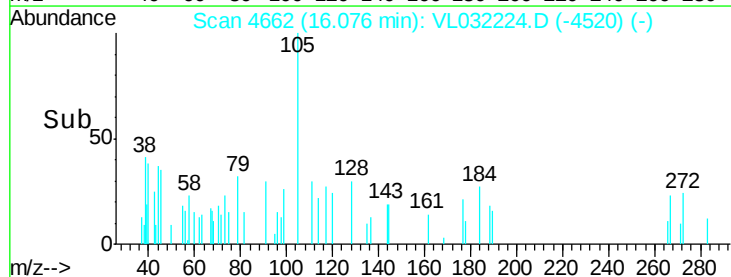
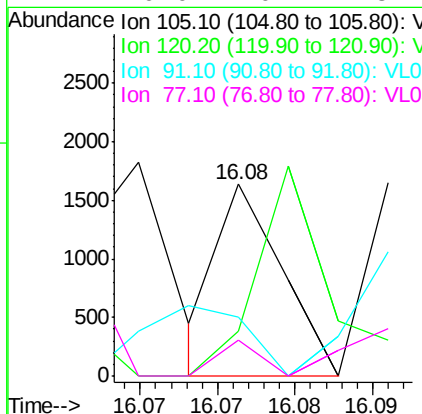
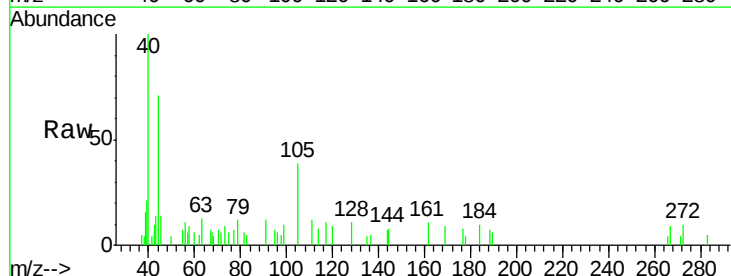
Instrument :
MSVOA_L
ClientSampleId :
539BDL

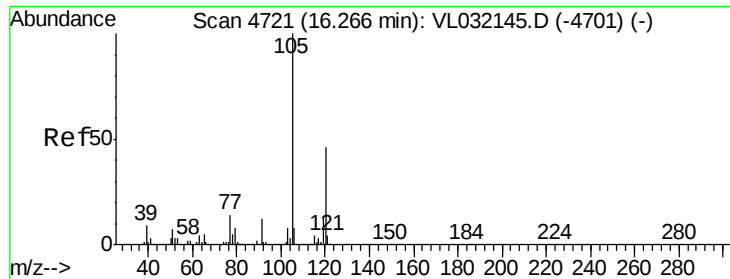
Tgt Ion: 91 Resp: 165
Ion Ratio Lower Upper
91 100
126 0.0 12.8 51.0#



#72
4-Ethyltoluene
Concen: 0.001 ppbv
RT: 16.08 min Scan# 4662
Delta R.T. -0.04 min
Lab File: VL032224.D
Acq: 6 Jul 2018 4:24

Tgt Ion: 105 Resp: 473
Ion Ratio Lower Upper
105 100
120 329.6 24.3 36.5#
91 130.9 9.4 14.0#
77 0.0 10.2 15.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.008 ppbv

RT: 16.24 min Scan# 4713

Delta R.T. -0.04 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

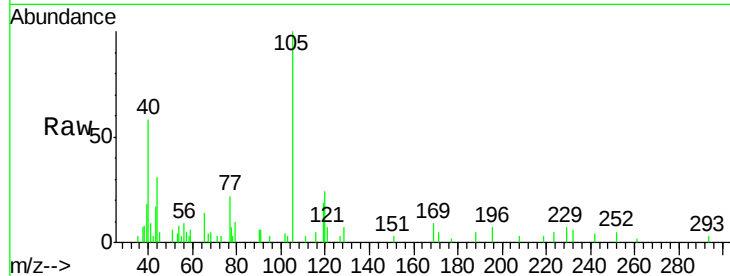
539BDL

Tgt Ion:105 Resp: 5147

Ion Ratio Lower Upper

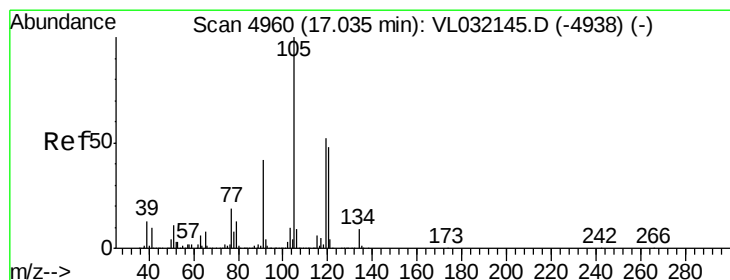
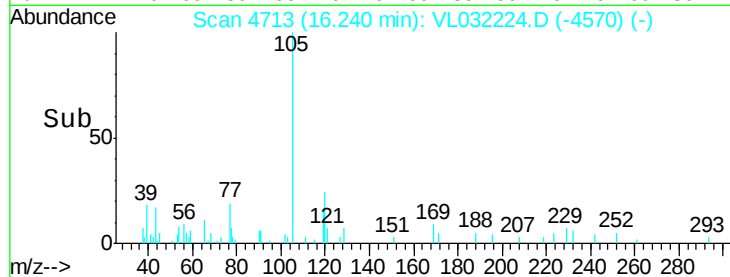
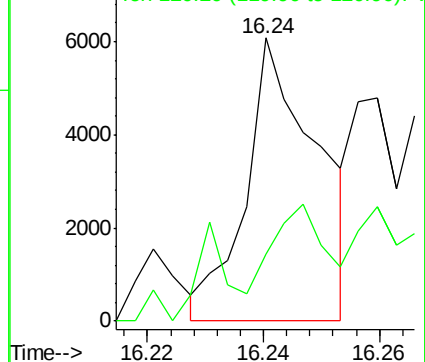
105 100

120 16.0 38.6 57.8#



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: 0.007 ppbv

RT: 17.02 min Scan# 4954

Delta R.T. -0.03 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Tgt Ion:105 Resp: 4429

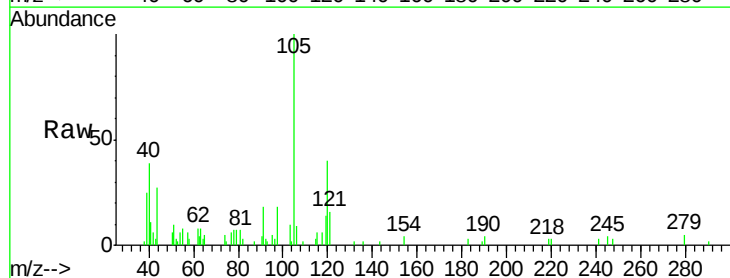
Ion Ratio Lower Upper

105 100

120 51.9 38.8 58.2

91 14.0 33.6 50.4#

77 0.0 16.0 24.0#

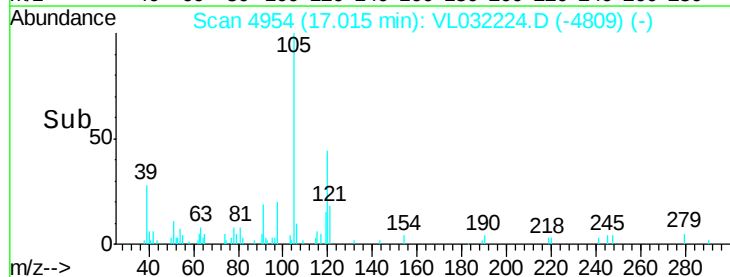
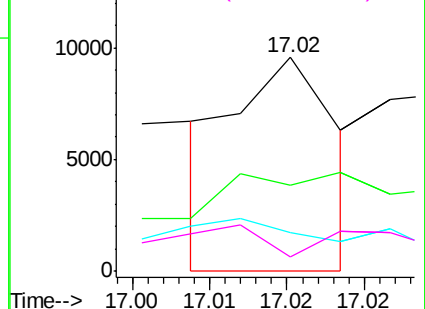


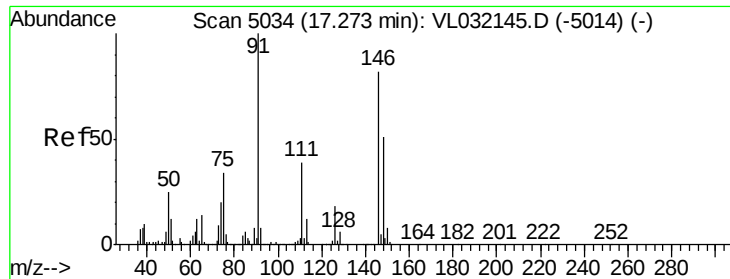
Abundance Ion 105.10 (104.80 to 105.80): V

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

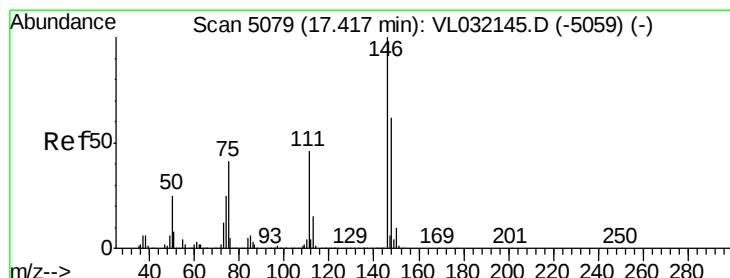
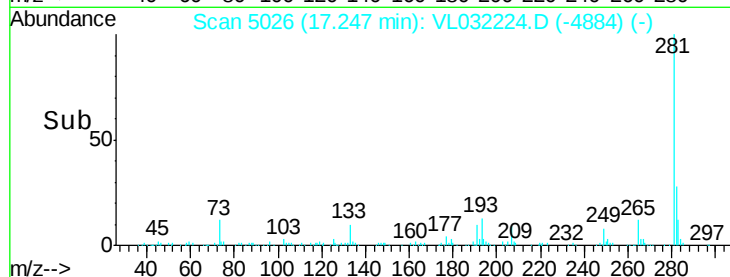
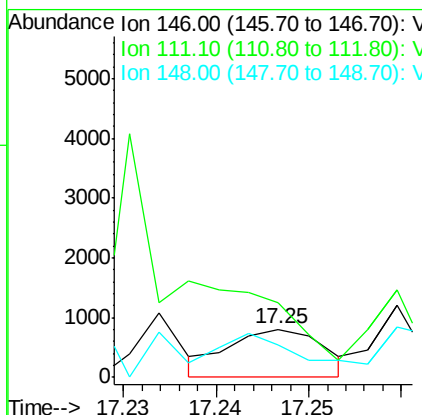
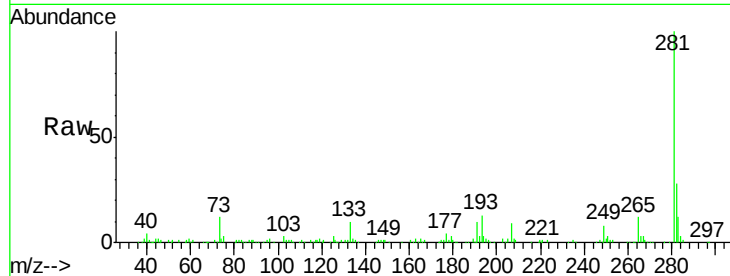




#75
 1,3-Dichlorobenzene
 Concen: 0.002 ppbv
 RT: 17.25 min Scan# 5026
 Delta R.T. -0.04 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

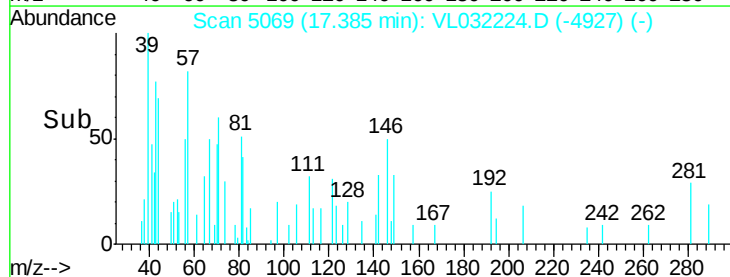
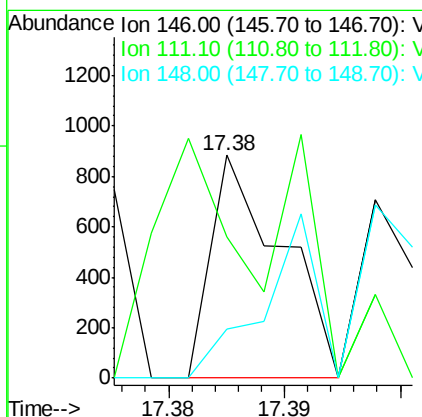
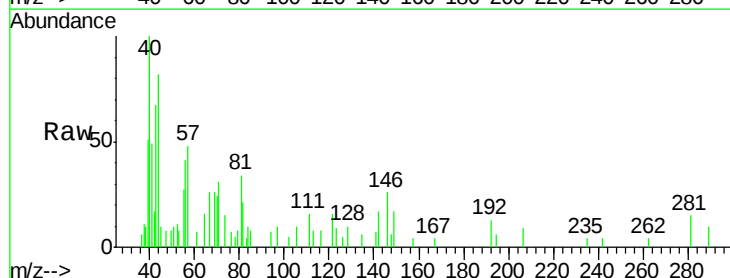
Instrument :
 MSVOA_L
 ClientSampleId :
 539BDL

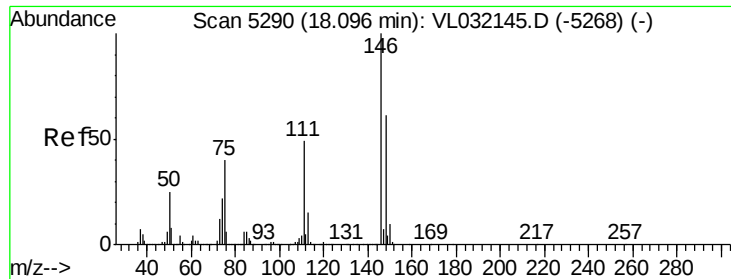
Tgt Ion:146 Resp: 566
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.9 68.8#
 148 0.0 31.7 95.1#



#76
 1,4-Dichlorobenzene
 Concen: 0.001 ppbv
 RT: 17.38 min Scan# 5069
 Delta R.T. -0.04 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

Tgt Ion:146 Resp: 372
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.9 65.8#
 148 0.0 32.1 96.5#

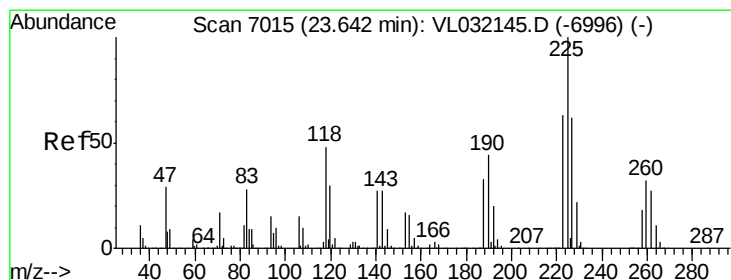
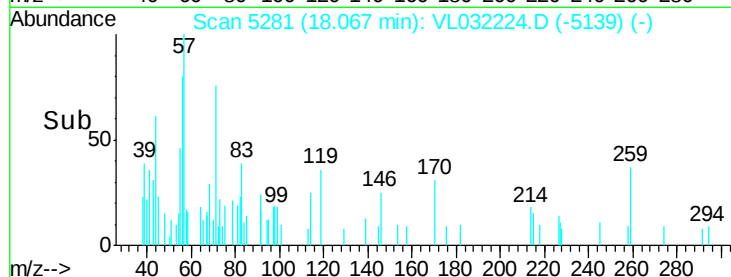
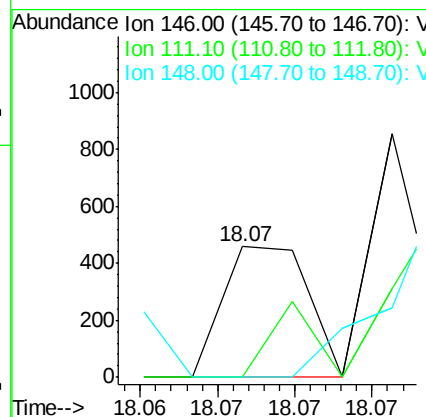
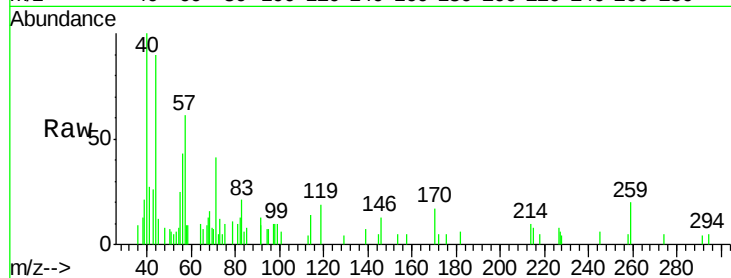




#77
 1,2-Dichlorobenzene
 Concen: 0.000 ppbv
 RT: 18.07 min Scan# 5281
 Delta R.T. -0.04 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

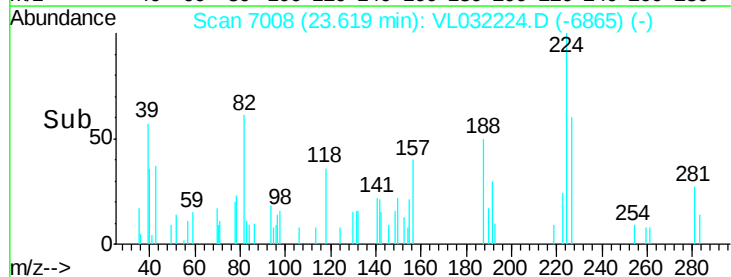
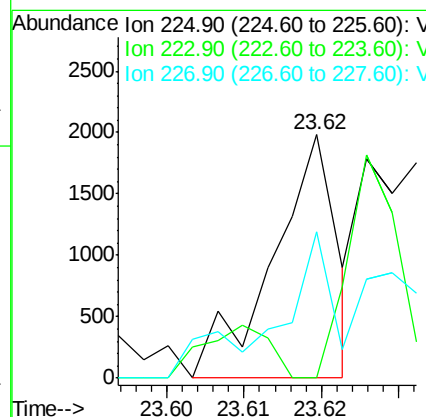
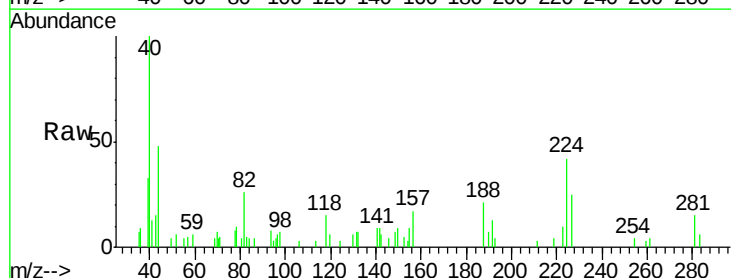
Instrument :
 MSVOA_L
 ClientSampleId :
 539BDL

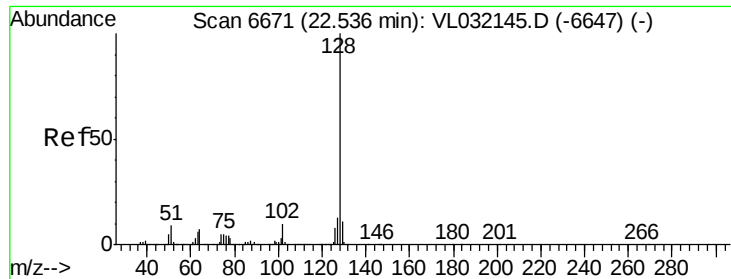
Tgt Ion:146 Resp: 175
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.4 70.3#
 148 0.0 32.0 96.0#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.009 ppbv
 RT: 23.62 min Scan# 7008
 Delta R.T. -0.04 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

Tgt Ion:225 Resp: 1137
 Ion Ratio Lower Upper
 225 100
 223 0.0 51.0 76.4#
 227 162.7 51.4 77.0#





#79

Naphthalene

Concen: 0.000 ppbv

RT: 22.50 min Scan# 6659

Delta R.T. -0.05 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

Instrument :

MSVOA_L

ClientSampleId :

539BDL

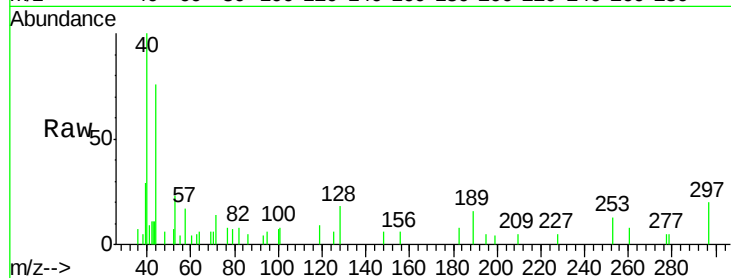
Tgt Ion:128 Resp: 125

Ion Ratio Lower Upper

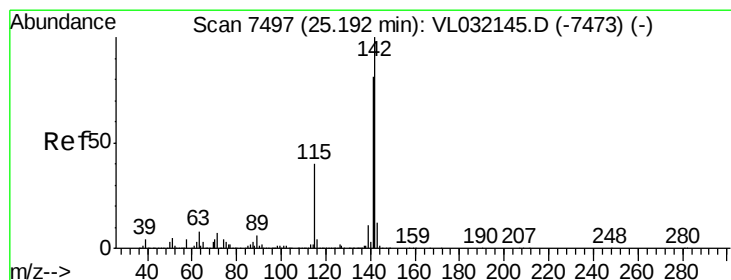
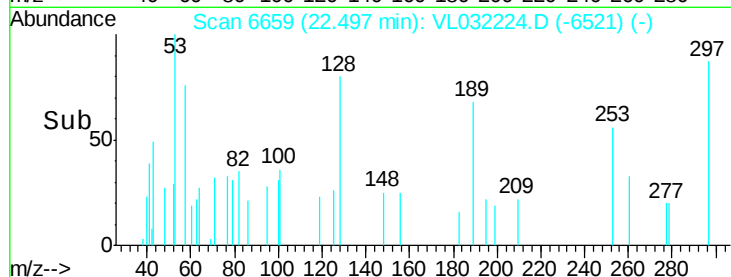
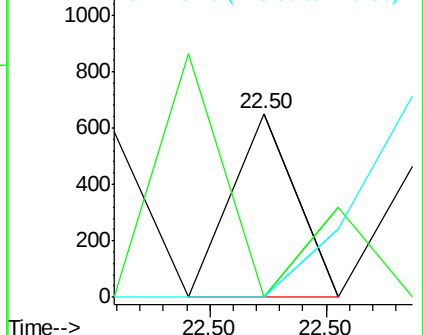
128 100

127 0.0 10.5 15.7#

129 0.0 9.0 13.6#



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



#80

Naphthalene, 2-methyl-

Concen: 0.007 ppbv

RT: 25.21 min Scan# 7502

Delta R.T. 0.00 min

Lab File: VL032224.D

Acq: 6 Jul 2018 4:24

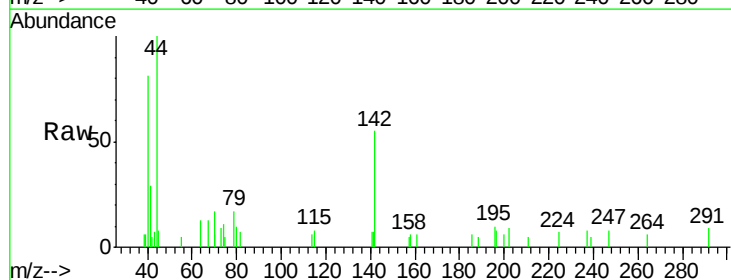
Tgt Ion:142 Resp: 1483

Ion Ratio Lower Upper

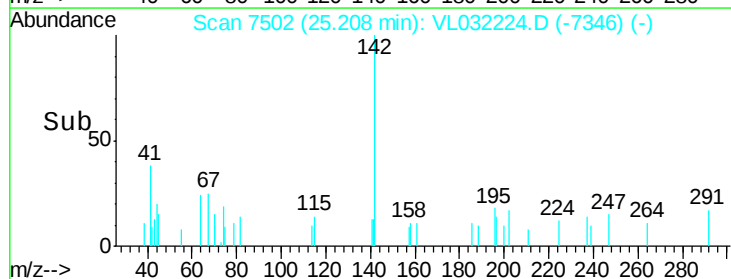
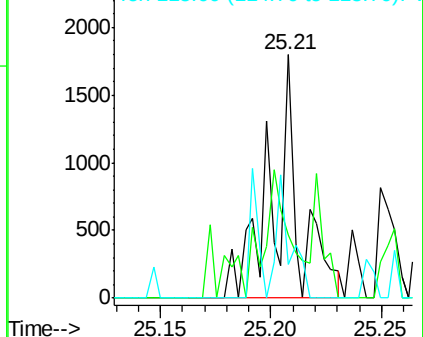
142 100

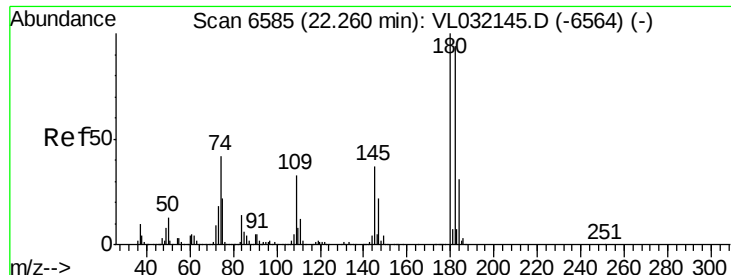
141 91.2 65.8 98.6

115 44.6 29.4 44.0#



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





#81
 1,2,4-Trichlorobenzene
 Concen: 0.002 ppbv
 RT: 22.22 min Scan# 6574
 Delta R.T. -0.05 min
 Lab File: VL032224.D
 Acq: 6 Jul 2018 4:24

Instrument :
 MSVOA_L
 ClientSampleId :
 539BDL

Tgt Ion:180 Resp: 399
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.2 114.4#
 184 35.8 24.4 36.6

