

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071218\
 Data File : VL032235.D
 Acq On : 13 Jul 2018 00:11
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071218

Quant Time: Jul 13 05:20:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 04:25:14 2018
 QLast Update : Fri Jul 13 04:25:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1871589	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	4256057	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	6198319	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3991893	8.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.13	85	2853585	10.590	ppbv	99
3) Chlorodifluoromethane	3.06	51	1877786	8.165	ppbv	99
4) Chloromethane	3.22	50	1065503	8.144	ppbv	99
5) Vinyl Chloride	3.35	62	1028243	7.977	ppbv	97
6) Bromomethane	3.57	94	601981	8.389	ppbv	98
7) Chloroethane	3.66	64	383108	8.630	ppbv	94
8) Dichlorotetrafluoroethane	3.27	85	2120800	7.166	ppbv	99
9) Propene	3.09	41	904803	9.229	ppbv	100
10) Heptane	8.34	43	2638345	9.475	ppbv	98
11) Trichlorofluoromethane	4.07	101	2121769	8.231	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1386860	8.423	ppbv	99
13) Ethanol	3.71	45	200413	7.082	ppbv	98
14) Bromoethene	3.85	108	673486	8.671	ppbv	99
15) Acetone	3.96	43	1631287	7.511	ppbv	100
16) 1,3-Butadiene	3.42	39	1031360	9.398	ppbv	91
17) tert-Butyl alcohol	4.43	59	1433986	14.141	ppbv	99
18) 1,1-Dichloroethene	4.42	96	685105	8.941	ppbv	92
19) Isopropyl Alcohol	4.09	45	1185385	8.312	ppbv	99
20) Methylene Chloride	4.48	84	591121	8.032	ppbv	99
21) Allyl Chloride	4.55	41	1219560	9.592	ppbv	99
22) trans-1,2-Dichloroethene	5.04	96	753460	10.331	ppbv	98
23) Vinyl Acetate	5.23	43	3570970	9.887	ppbv	99
24) 1,1-Dichloroethane	5.17	63	2352394	9.276	ppbv	99
25) Ethyl Acetate	5.85	43	3872956	9.011	ppbv	99
26) Hexane	5.86	57	1799120	9.177	ppbv	98
27) Carbon Disulfide	4.69	76	1731093	9.868	ppbv	99
28) Methyl tert-Butyl Ether	5.19	73	3104697	10.061	ppbv	99
29) Chloroform	5.93	83	2686054	8.874	ppbv	97
30) Cyclohexane	7.33	84	1640366	9.482	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1908436	9.754	ppbv	99
32) 1,1,1-Trichloroethane	6.71	97	2724533	9.277	ppbv	100
34) 2-Butanone	5.40	43	2735490	9.434	ppbv	99
35) Carbon Tetrachloride	7.22	117	2695999	9.360	ppbv	99
36) Benzene	7.09	78	3916755	9.260	ppbv	99
37) 1,2-Dichloroethane	6.49	62	2121421	9.161	ppbv	99
38) Trichloroethene	8.05	130	1292112	8.906	ppbv	97
39) 1,2-Dichloropropane	7.83	63	1574473	9.367	ppbv	98
40) 1,4-Dioxane	8.05	88	459485	7.972	ppbv #	39
41) Tetrahydrofuran	6.23	42	1627359	10.028	ppbv	99
42) Bromodichloromethane	8.01	83	3070089	9.311	ppbv	100
43) Methyl Methacrylate	8.22	69	1620330	9.913	ppbv	98

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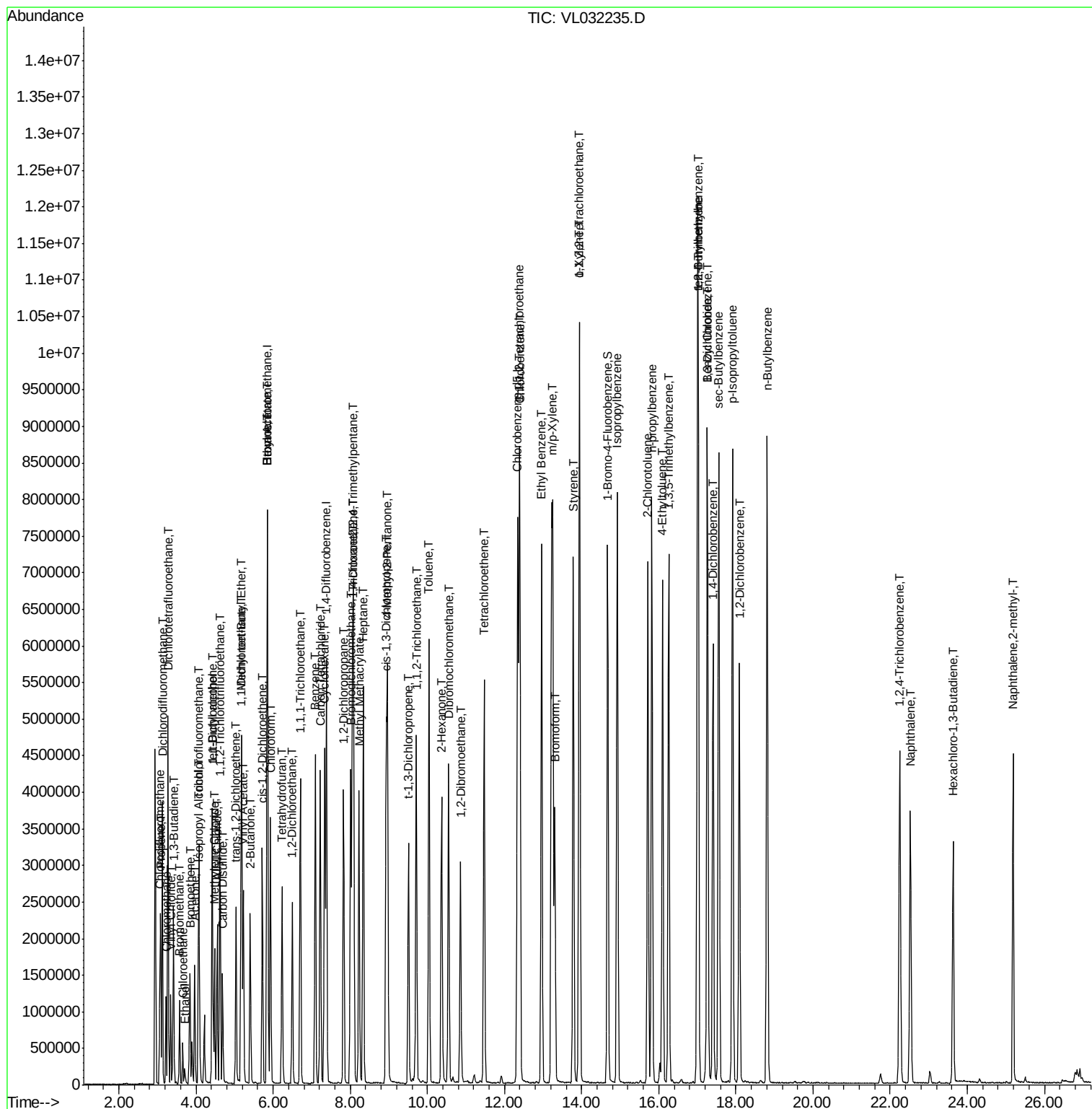
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6775390	9.314	ppbv	99
45) t-1,3-Dichloropropene	9.51	75	2093313	10.753	ppbv	100
46) cis-1,3-Dichloropropene	8.93	75	2880274	10.848	ppbv	98
47) 1,1,2-Trichloroethane	9.71	97	1734182	9.237	ppbv	97
48) Dibromochloromethane	10.55	129	2770992	9.921	ppbv	100
49) Bromoform	13.31	173	2195073	9.803	ppbv	99
50) 4-Methyl-2-Pentanone	8.96	43	4839032	9.646	ppbv	99
51) 2-Hexanone	10.37	43	3913860	9.342	ppbv #	99
52) Tetrachloroethene	11.47	164	1364165	8.729	ppbv	94
53) Toluene	10.04	91	5019490	10.037	ppbv	99
54) 1,2-Dibromoethane	10.86	107	2710874	9.780	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.38	131	1948678	7.237	ppbv	97
57) Chlorobenzene	12.40	112	3648411	6.964	ppbv	98
58) Ethyl Benzene	12.96	91	7015263	7.772	ppbv	100
59) m/p-Xylene	13.25	91	5055156	6.807	ppbv #	15
60) o-Xylene	13.95	91	5385227	7.349	ppbv	100
61) Styrene	13.78	104	4459767	8.122	ppbv	100
62) Isopropylbenzene	14.92	105	7534506	7.333	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.94	83	3735405	6.266	ppbv	99
64) n-propylbenzene	15.82	120	1925202	7.401	ppbv	100
65) tert-Butylbenzene	17.01	119	6022211	6.996	ppbv	100
66) Benzyl Chloride	17.25	91	3679576	8.447	ppbv	99
67) sec-Butylbenzene	17.56	105	9032667	7.183	ppbv	100
69) p-Isopropyltoluene	17.91	119	7113573	7.264	ppbv	99
70) n-Butylbenzene	18.81	91	7754213	7.168	ppbv	99
71) 2-Chlorotoluene	15.72	91	5943335	7.350	ppbv	100
72) 4-Ethyltoluene	16.10	105	6192248	7.531	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	5864196	7.670	ppbv	98
74) 1,2,4-Trimethylbenzene	17.03	105	5648035	7.224	ppbv	99
75) 1,3-Dichlorobenzene	17.27	146	2989219	6.409	ppbv	99
76) 1,4-Dichlorobenzene	17.41	146	3061293	6.702	ppbv	100
77) 1,2-Dichlorobenzene	18.09	146	2929679	6.321	ppbv	99
78) Hexachloro-1,3-Butadiene	23.63	225	791288	5.477	ppbv	99
79) Naphthalene	22.53	128	4569017	8.706	ppbv	99
80) Naphthalene,2-methyl-	25.19	142	2453630	14.633	ppbv	100
81) 1,2,4-Trichlorobenzene	22.25	180	2112886	8.045	ppbv	99

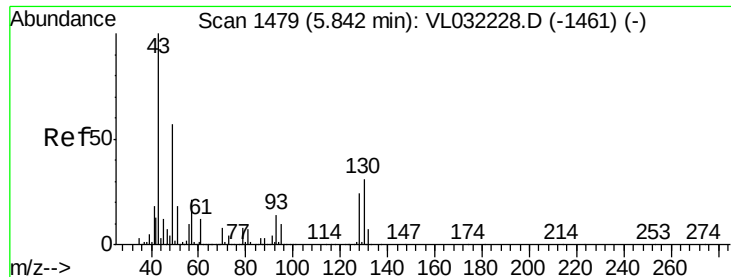
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 13 04:25:14 2018
QLast Update : Fri Jul 13 04:25:14 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071218

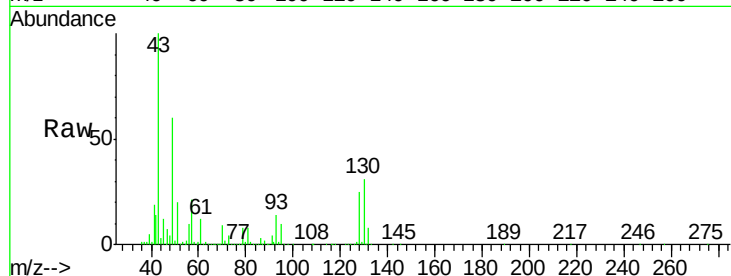
Tgt Ion: 49 Resp: 1871589

Ion Ratio Lower Upper

49 100

128 40.5 20.9 62.8

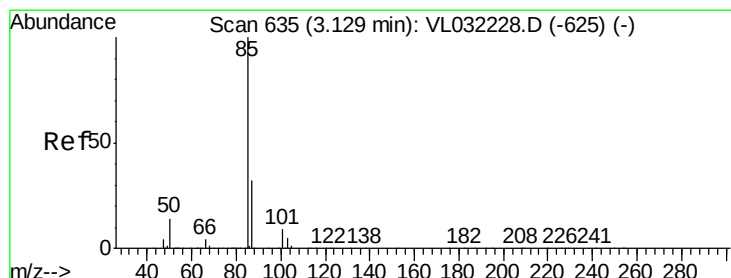
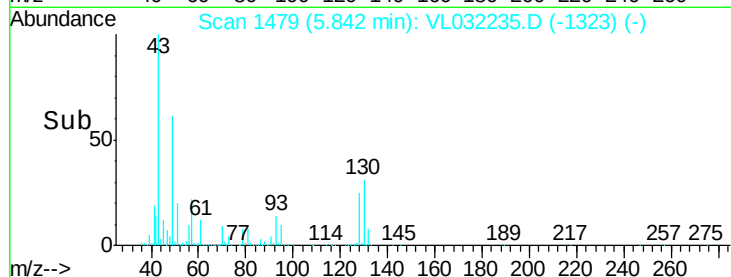
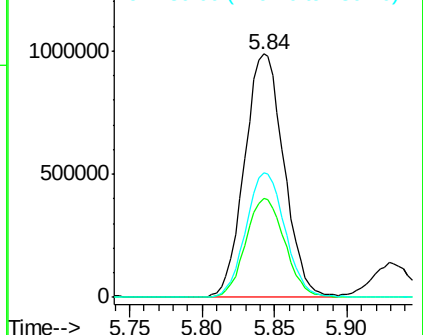
130 51.0 27.0 81.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.590 ppbv

RT: 3.13 min Scan# 635

Delta R.T. 0.00 min

Lab File: VL032235.D

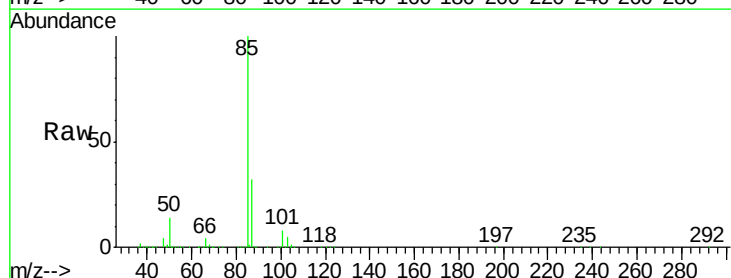
Acq: 13 Jul 2018 00:11

Tgt Ion: 85 Resp: 2853585

Ion Ratio Lower Upper

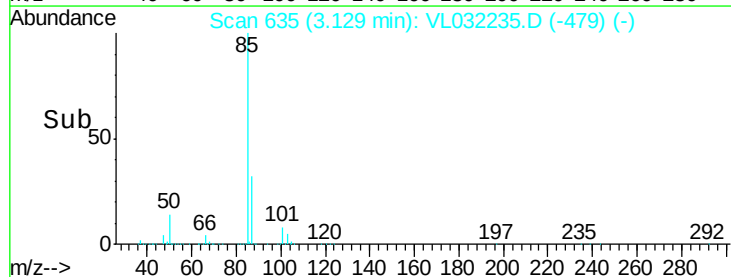
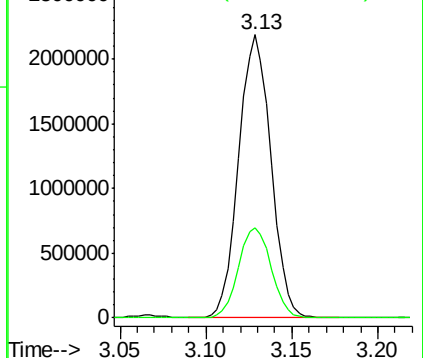
85 100

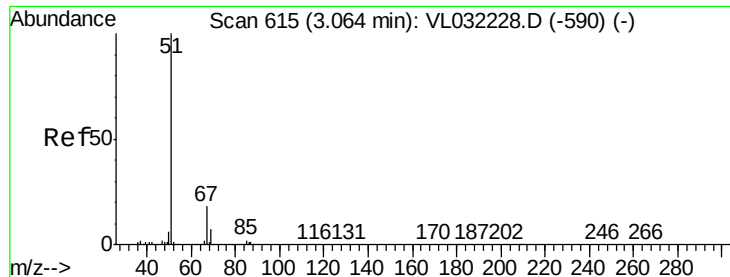
87 31.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.165 ppbv

RT: 3.06 min Scan# 615

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

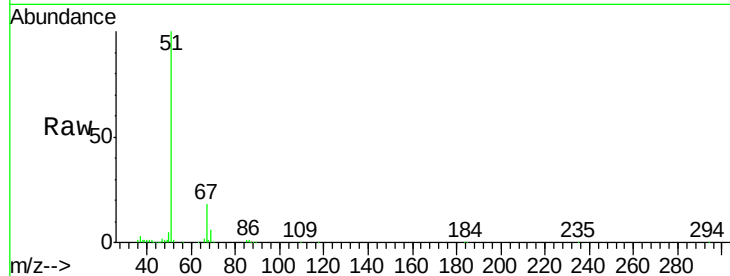
ICVVL071218

Tgt Ion: 51 Resp: 1877786

Ion Ratio Lower Upper

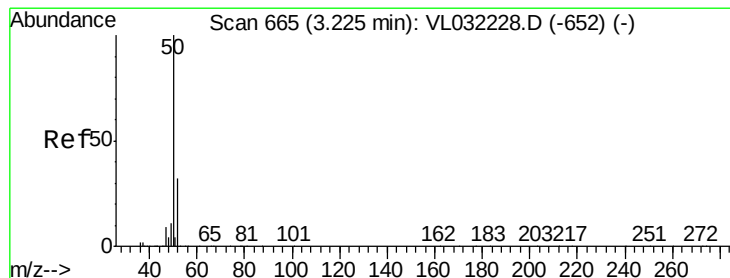
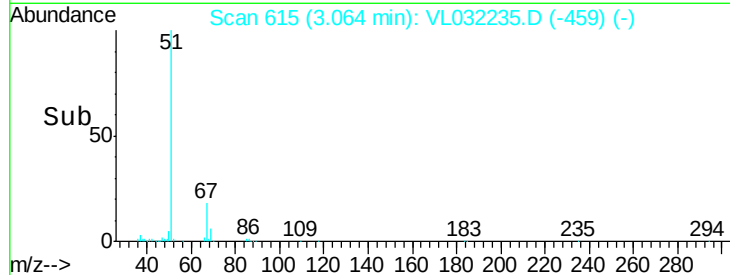
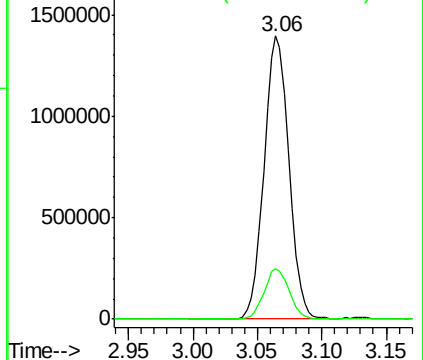
51 100

67 18.0 14.6 22.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.144 ppbv

RT: 3.22 min Scan# 664

Delta R.T. -0.00 min

Lab File: VL032235.D

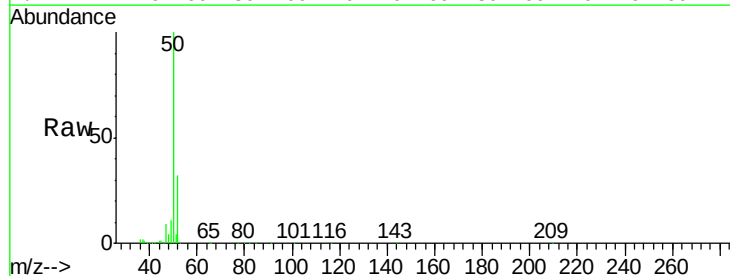
Acq: 13 Jul 2018 00:11

Tgt Ion: 50 Resp: 1065503

Ion Ratio Lower Upper

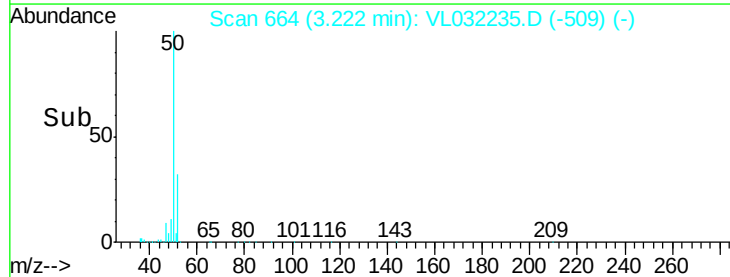
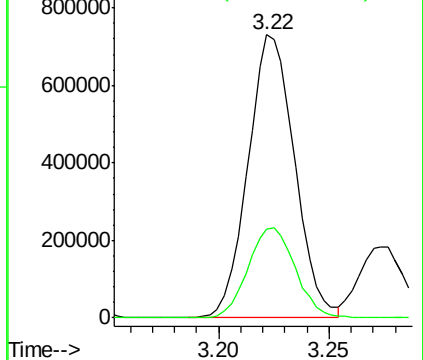
50 100

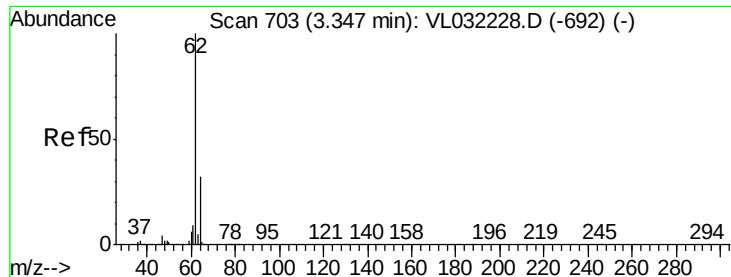
52 31.5 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 7.977 ppbv

RT: 3.35 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

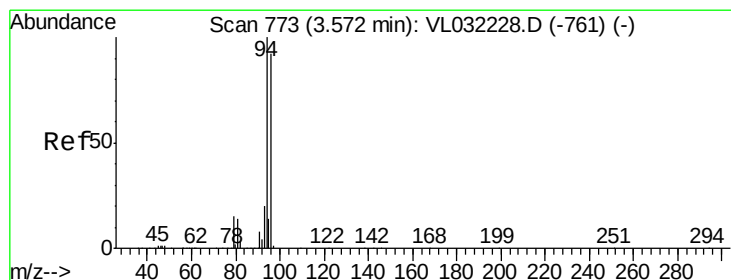
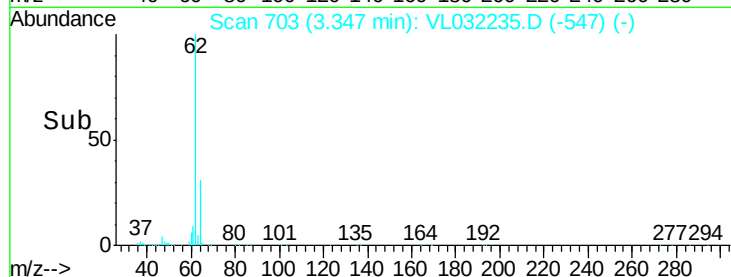
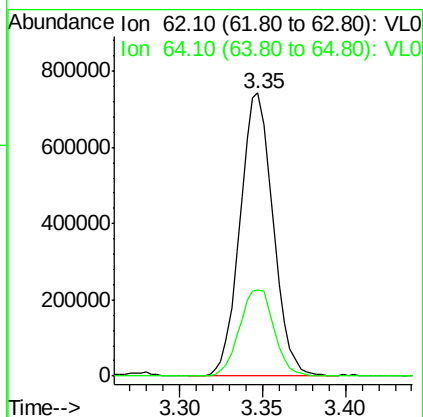
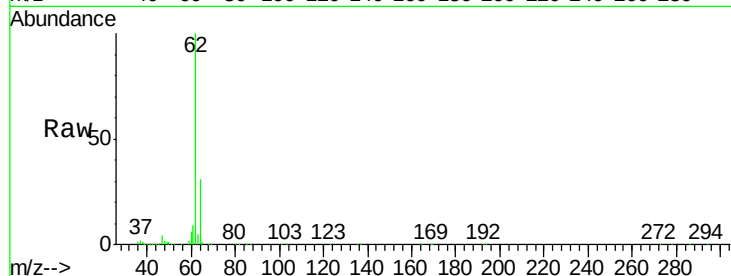
ICVVL071218

Tgt Ion: 62 Resp: 1028243

Ion Ratio Lower Upper

62 100

64 30.6 25.8 38.6



#6

Bromomethane

Concen: 8.389 ppbv

RT: 3.57 min Scan# 773

Delta R.T. 0.00 min

Lab File: VL032235.D

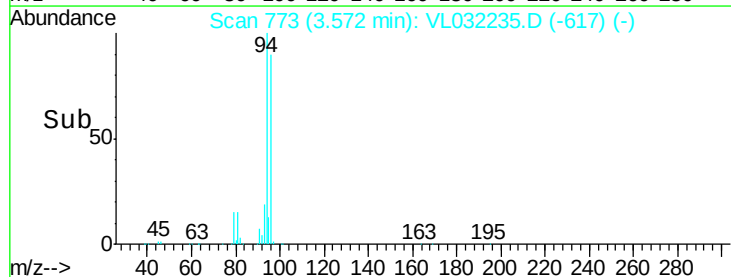
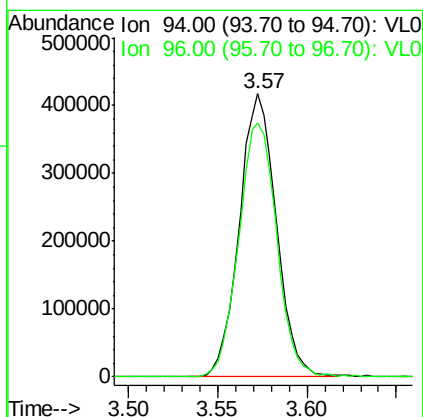
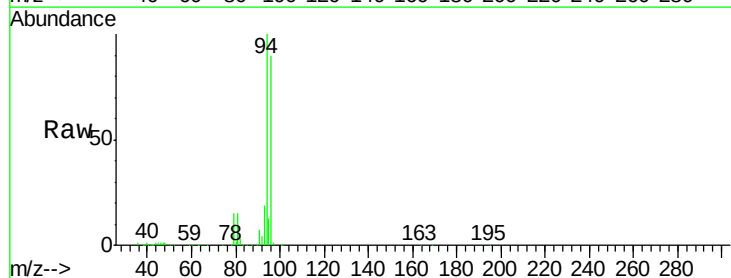
Acq: 13 Jul 2018 00:11

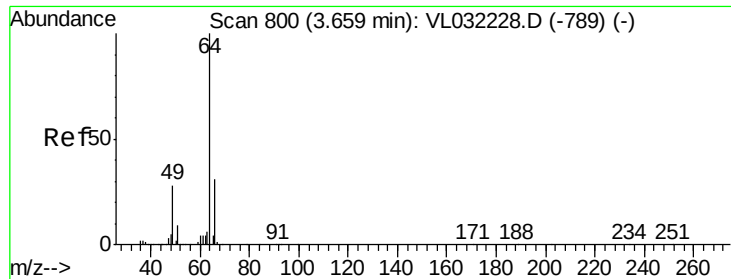
Tgt Ion: 94 Resp: 601981

Ion Ratio Lower Upper

94 100

96 89.6 73.5 110.3





#7

Chloroethane

Concen: 8.630 ppbv

RT: 3.66 min Scan# 800

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

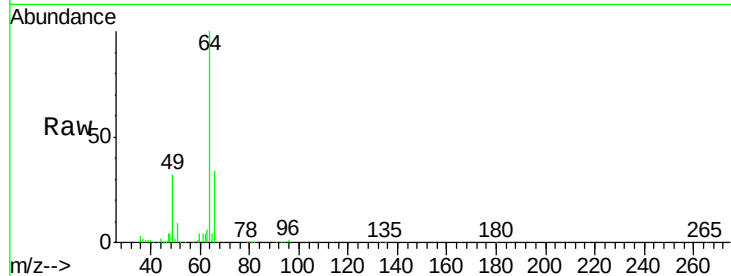
ICVVL071218

Tgt Ion: 64 Resp: 383108

Ion Ratio Lower Upper

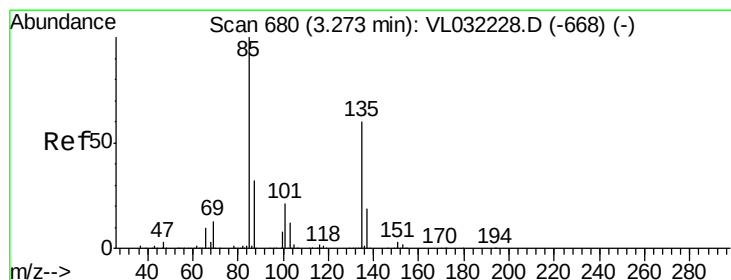
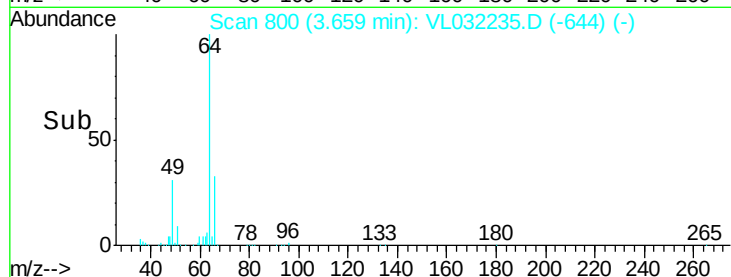
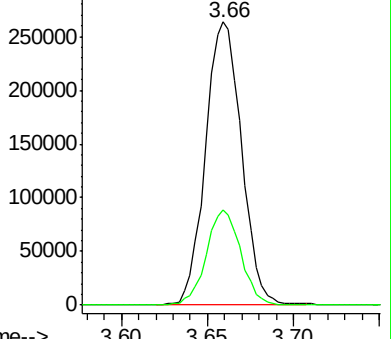
64 100

66 33.5 24.4 36.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 7.166 ppbv

RT: 3.27 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL032235.D

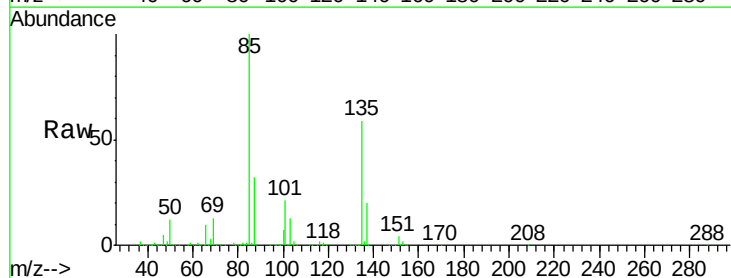
Acq: 13 Jul 2018 00:11

Tgt Ion: 85 Resp: 2120800

Ion Ratio Lower Upper

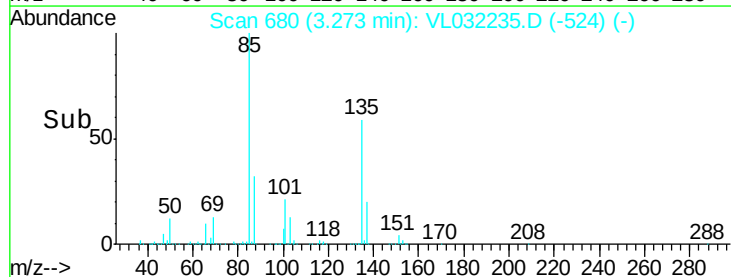
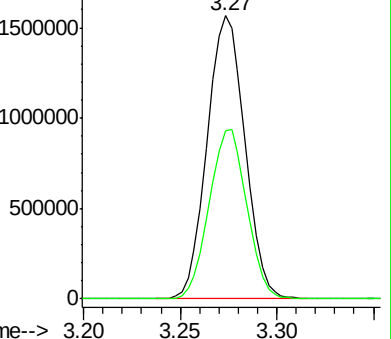
85 100

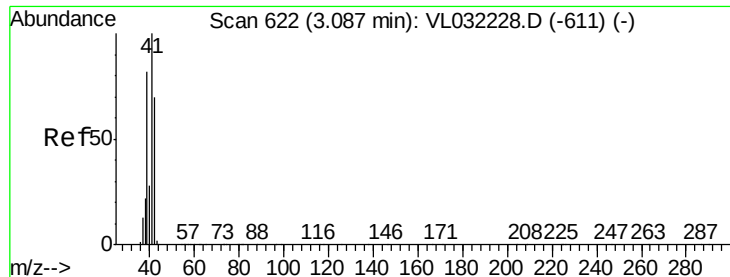
135 59.9 48.6 72.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.229 ppbv

RT: 3.09 min Scan# 622

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

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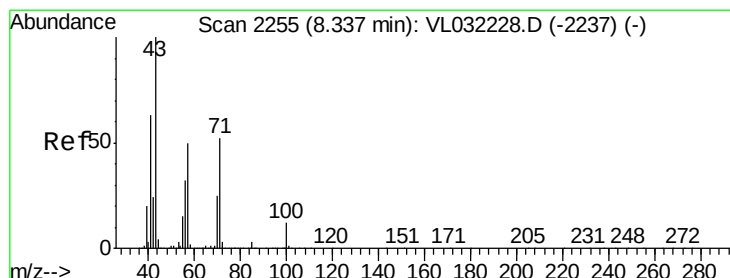
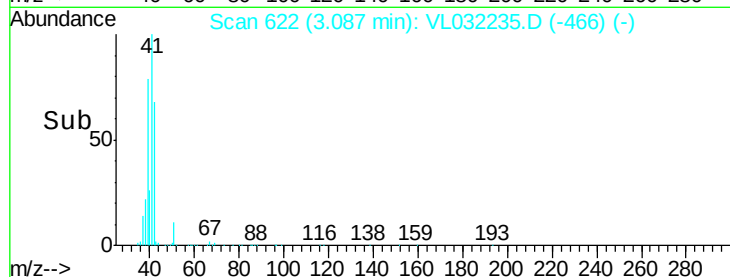
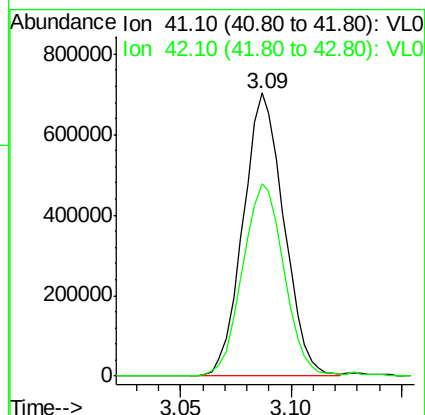
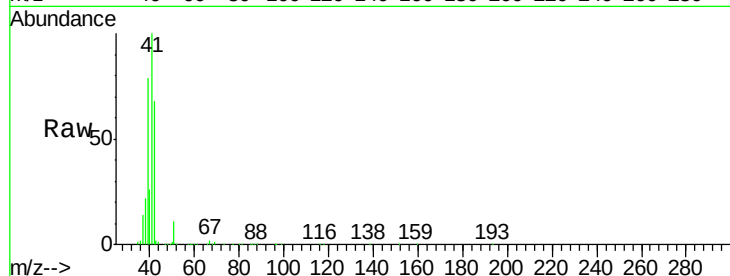
ICVVL071218

Tgt Ion: 41 Resp: 904803

Ion Ratio Lower Upper

41 100

42 70.0 56.2 84.4



#10

Heptane

Concen: 9.475 ppbv

RT: 8.34 min Scan# 2255

Delta R.T. 0.00 min

Lab File: VL032235.D

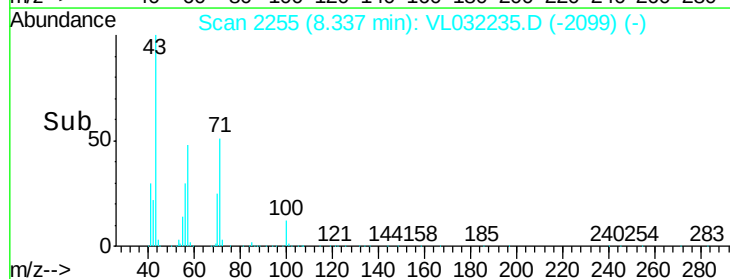
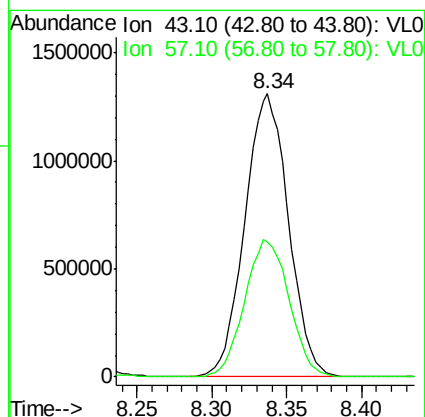
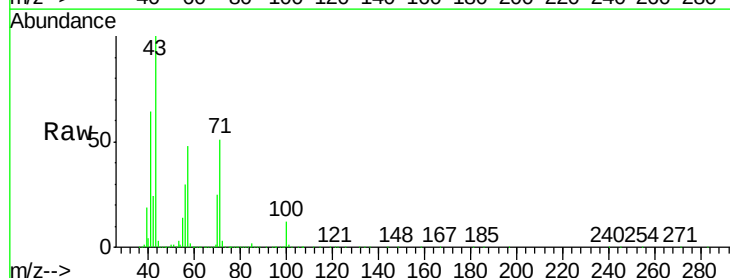
Acq: 13 Jul 2018 00:11

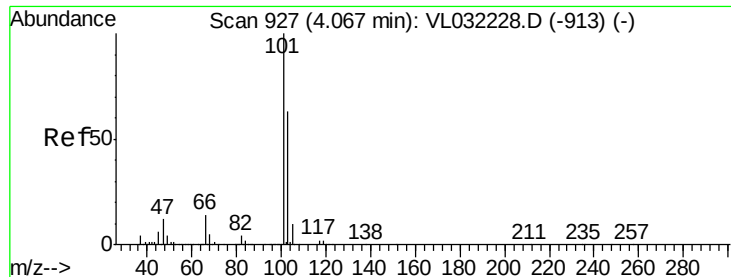
Tgt Ion: 43 Resp: 2638345

Ion Ratio Lower Upper

43 100

57 49.5 40.7 61.1

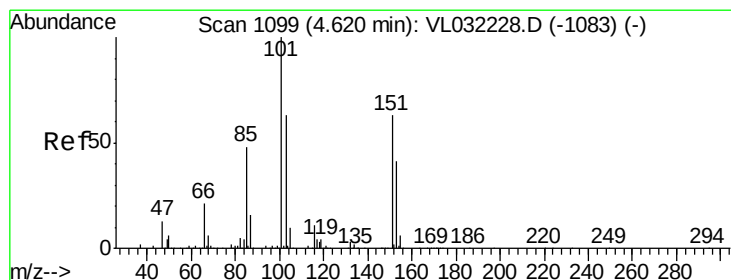
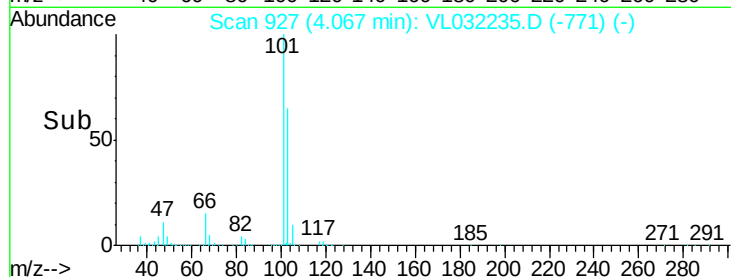
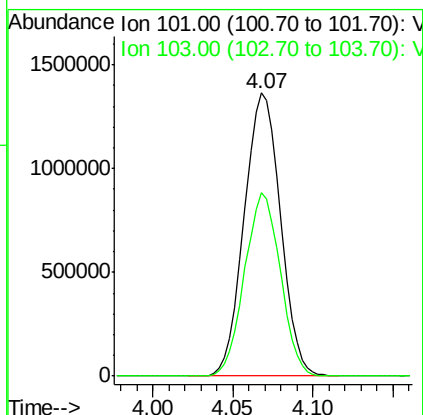
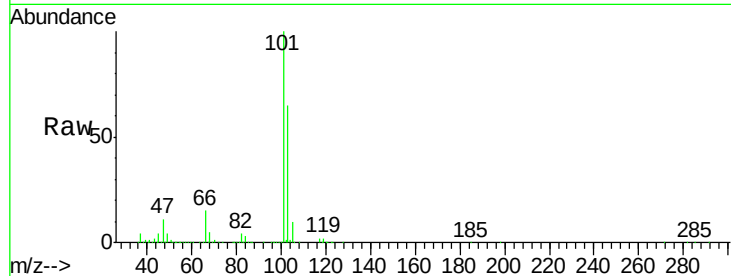




#11
 Trichlorofluoromethane
 Concen: 8.231 ppbv
 RT: 4.07 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

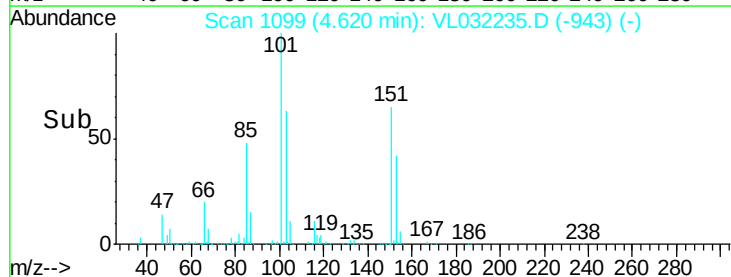
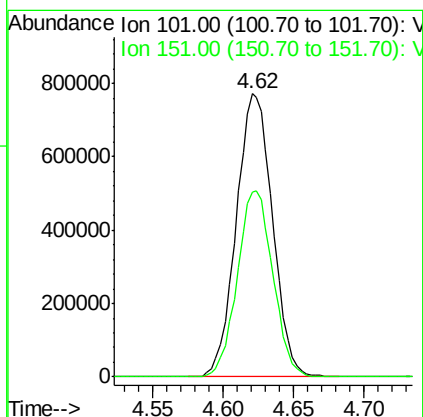
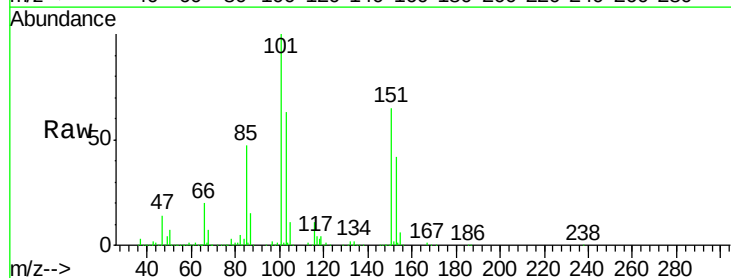
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071218

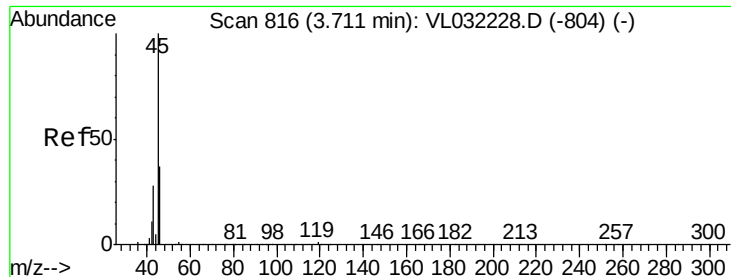
Tgt Ion:101 Resp: 2121769
 Ion Ratio Lower Upper
 101 100
 103 64.7 50.2 75.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.423 ppbv
 RT: 4.62 min Scan# 1099
 Delta R.T. 0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

Tgt Ion:101 Resp: 1386860
 Ion Ratio Lower Upper
 101 100
 151 64.6 52.2 78.2

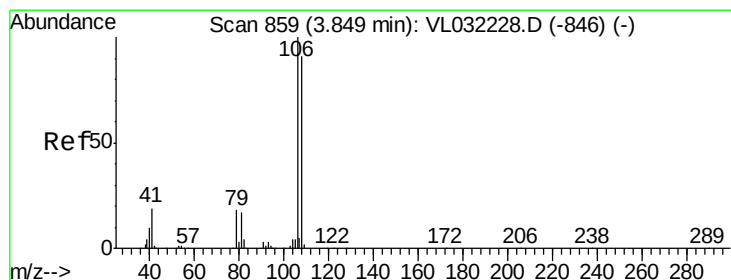
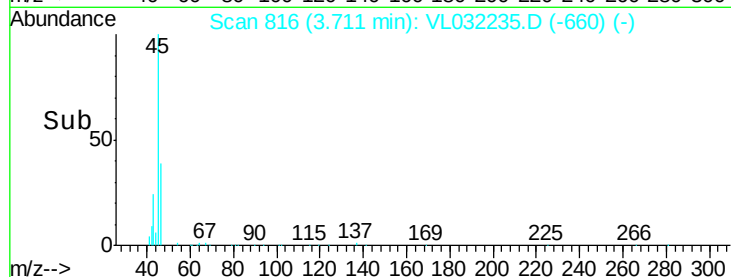
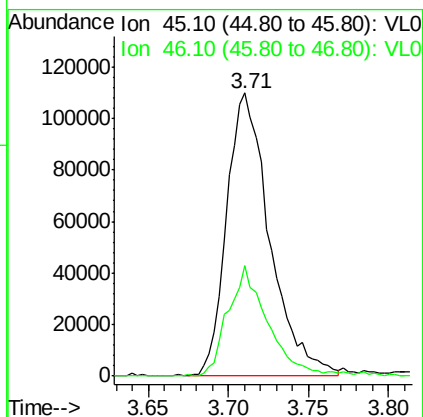
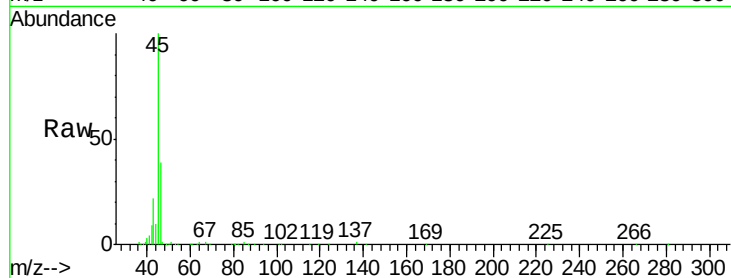




#13
Ethanol
Concen: 7.082 ppbv
RT: 3.71 min Scan# 816
Delta R.T. 0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

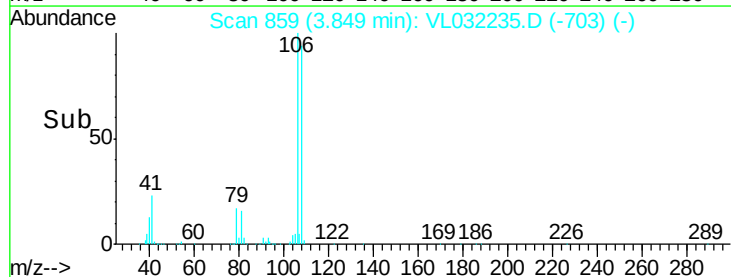
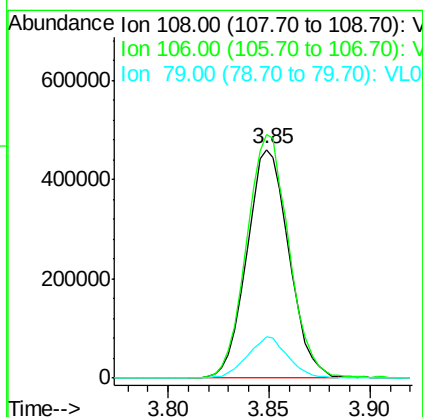
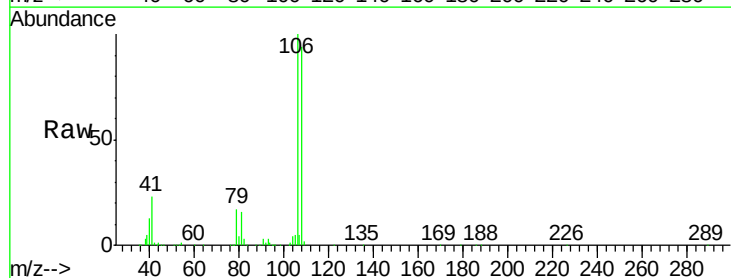
Instrument :
MSVOA_L
ClientSampleId :
ICVVL071218

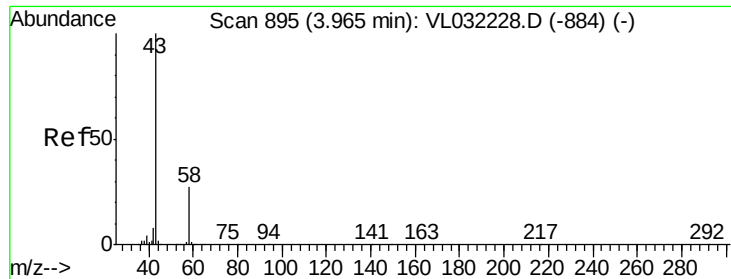
Tgt Ion: 45 Resp: 200413
Ion Ratio Lower Upper
45 100
46 37.4 15.5 61.9



#14
Bromoethene
Concen: 8.671 ppbv
RT: 3.85 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

Tgt Ion: 108 Resp: 673486
Ion Ratio Lower Upper
108 100
106 107.7 85.5 128.3
79 17.4 14.2 21.4





#15

Acetone

Concen: 7.511 ppbv

RT: 3.96 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

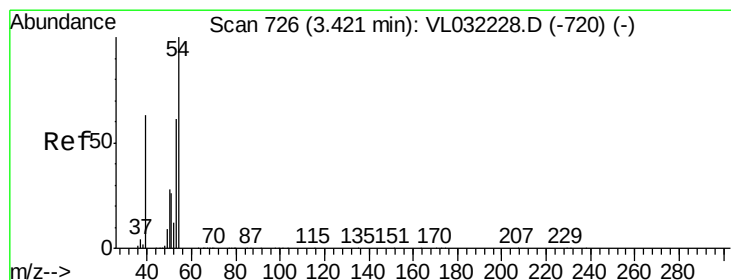
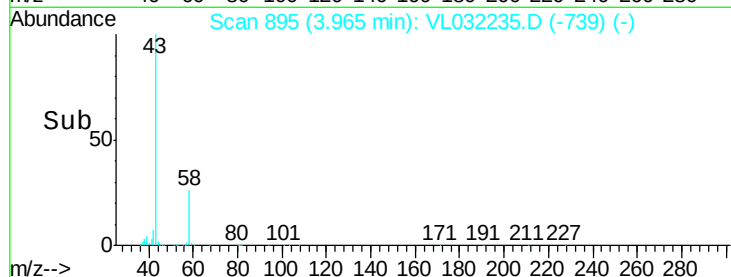
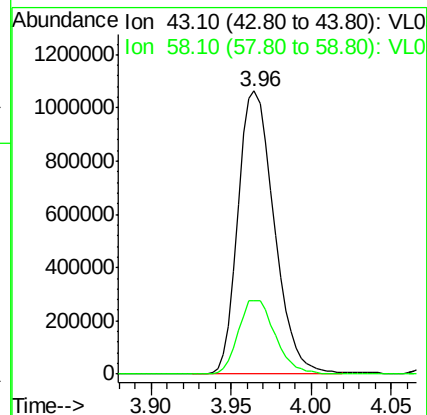
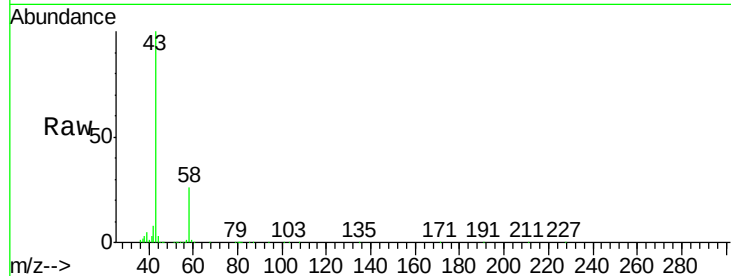
ICVVL071218

Tgt Ion: 43 Resp: 1631287

Ion Ratio Lower Upper

43 100

58 27.0 21.5 32.3



#16

1,3-Butadiene

Concen: 9.398 ppbv

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VL032235.D

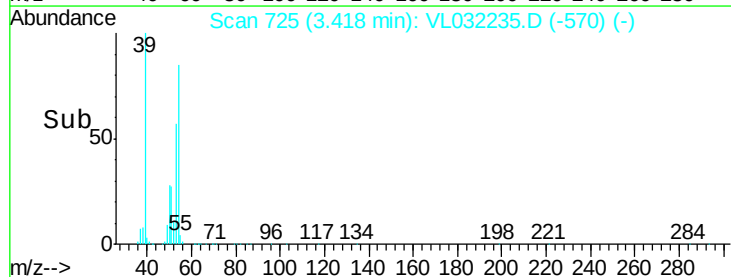
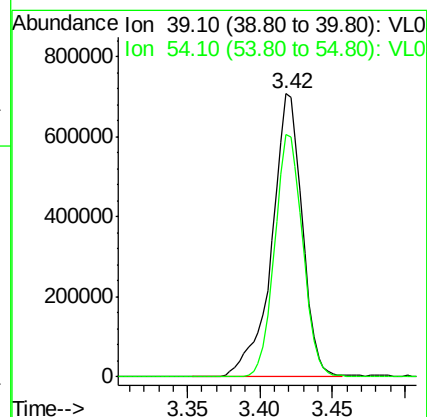
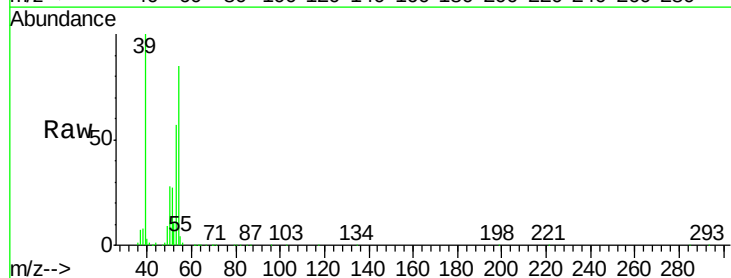
Acq: 13 Jul 2018 00:11

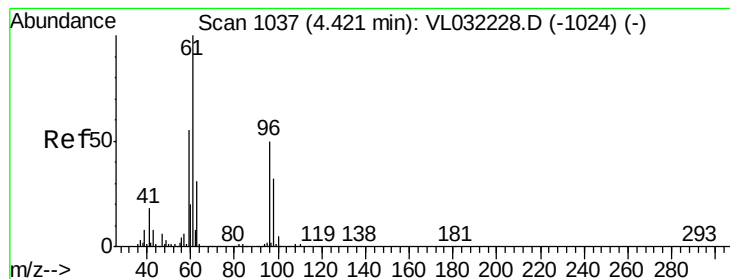
Tgt Ion: 39 Resp: 1031360

Ion Ratio Lower Upper

39 100

54 79.2 70.0 105.0





#17

tert-Butyl alcohol

Concen: 14.141 ppbv

RT: 4.43 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

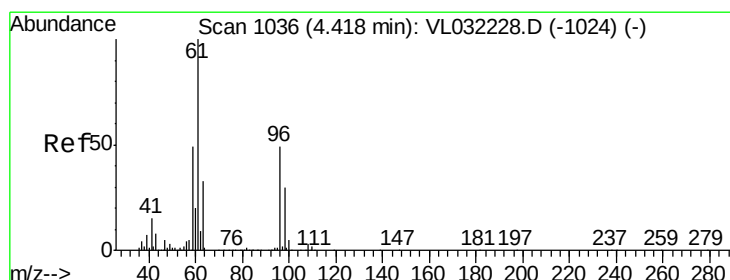
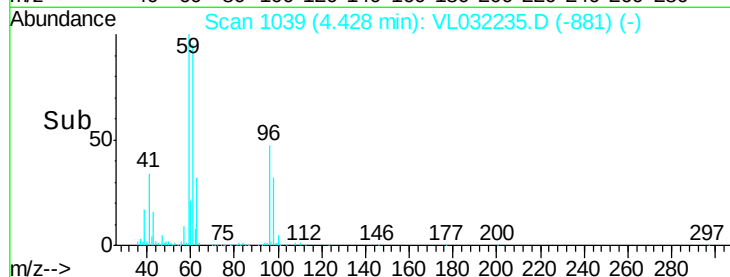
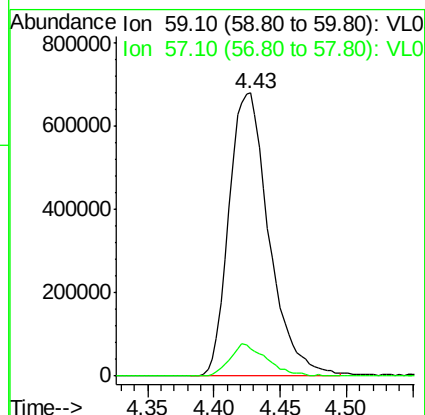
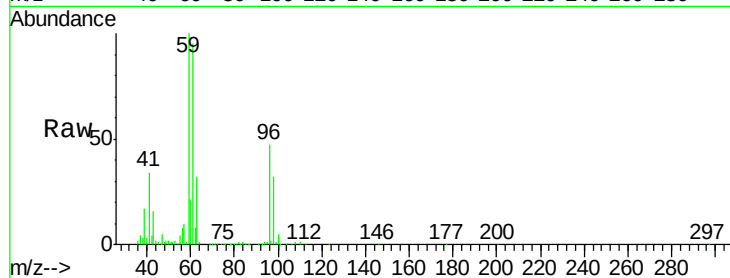
ICVVL071218

Tgt Ion: 59 Resp: 1433986

Ion Ratio Lower Upper

59 100

57 10.7 8.4 12.6



#18

1,1-Dichloroethene

Concen: 8.941 ppbv

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

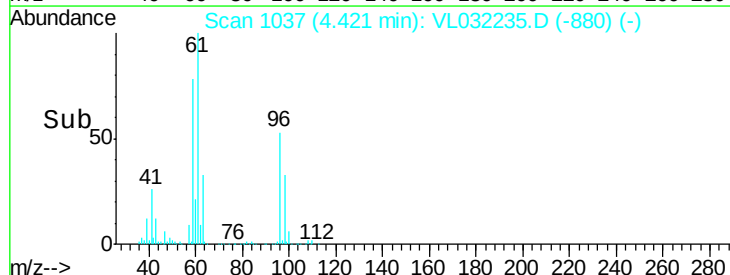
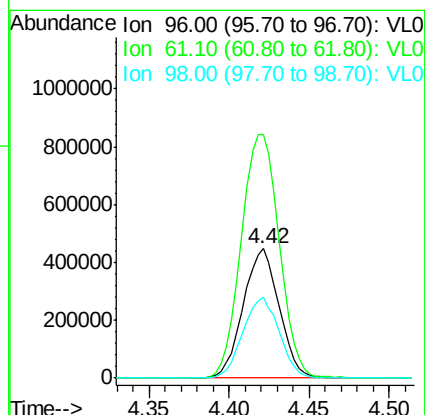
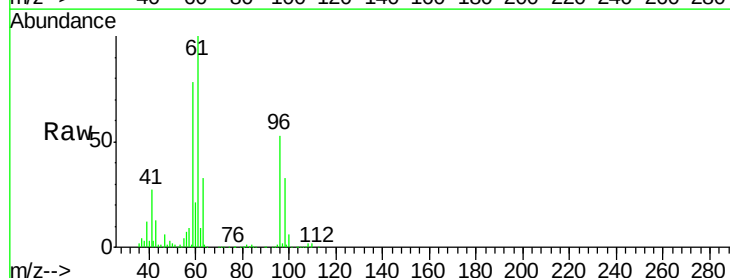
Tgt Ion: 96 Resp: 685105

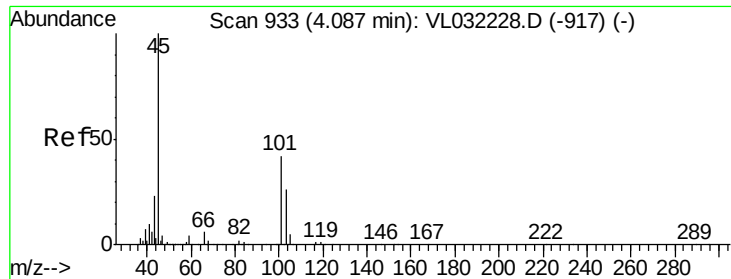
Ion Ratio Lower Upper

96 100

61 188.2 163.0 244.4

98 62.6 48.5 72.7

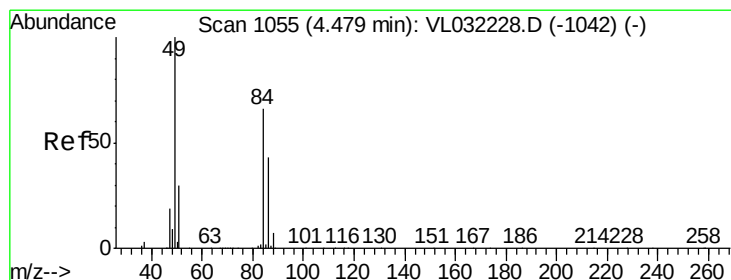
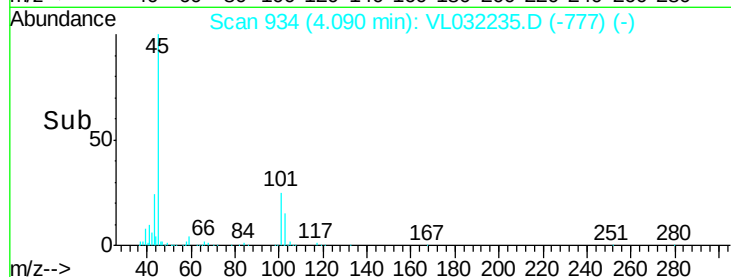
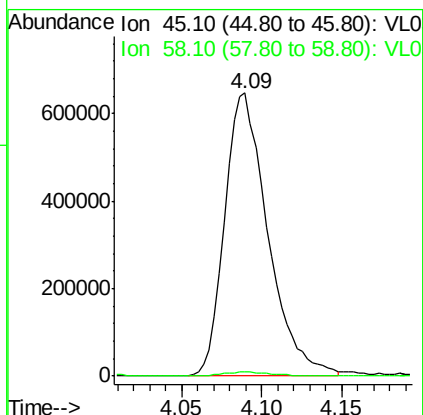
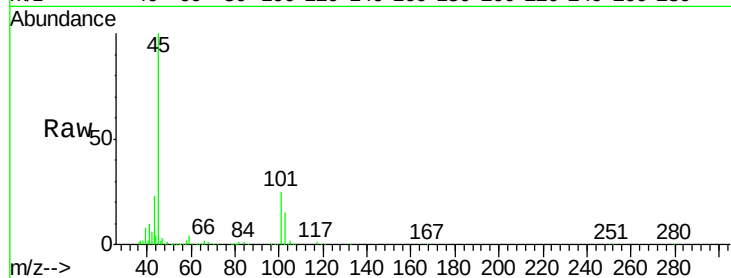




#19
Isopropyl Alcohol
Concen: 8.312 ppbv
RT: 4.09 min Scan# 934
Delta R.T. 0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

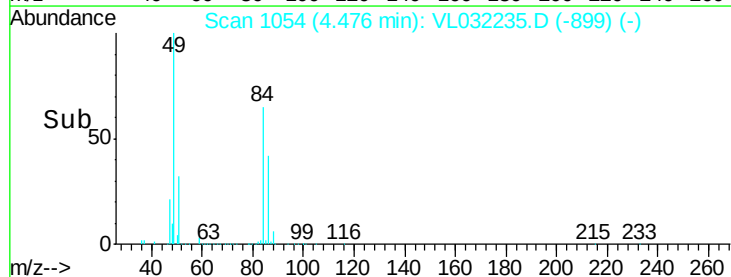
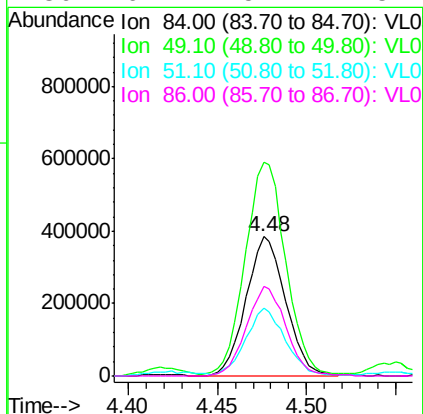
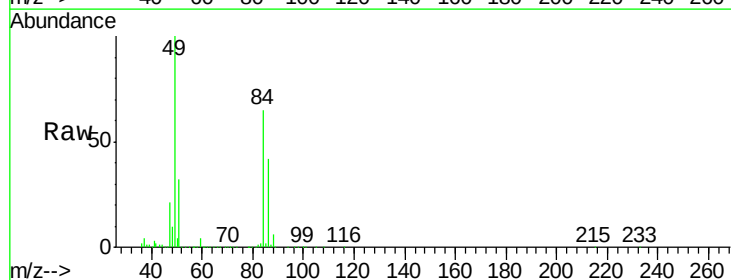
Instrument :
MSVOA_L
ClientSampleId :
ICVVL071218

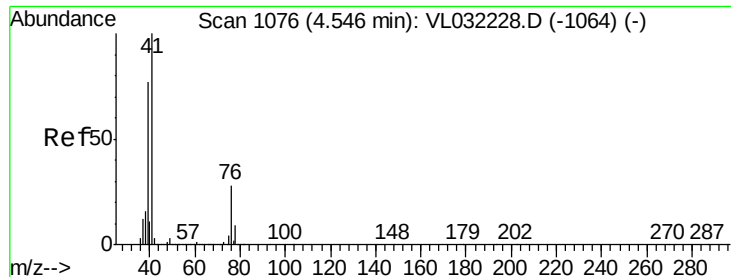
Tgt Ion: 45 Resp: 1185385
Ion Ratio Lower Upper
45 100
58 1.8 1.3 1.9



#20
Methylene Chloride
Concen: 8.032 ppbv
RT: 4.48 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

Tgt Ion: 84 Resp: 591121
Ion Ratio Lower Upper
84 100
49 152.4 121.8 182.6
51 47.6 36.3 54.5
86 64.2 52.1 78.1

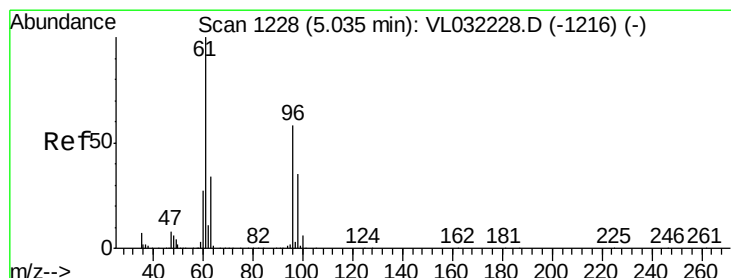
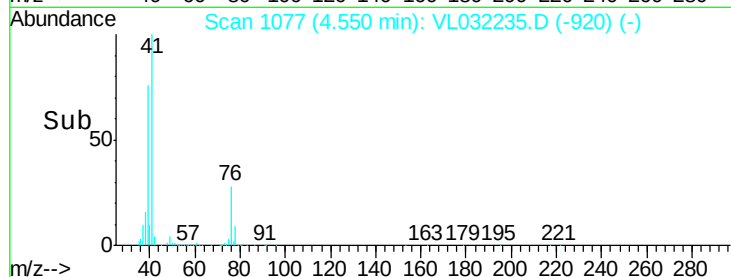
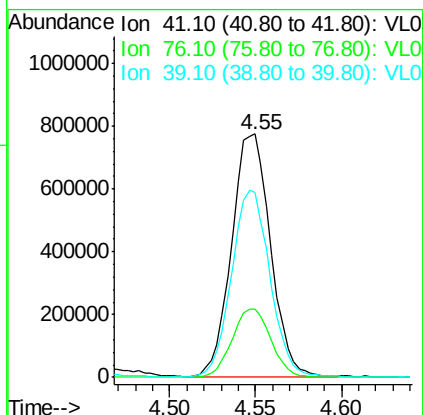
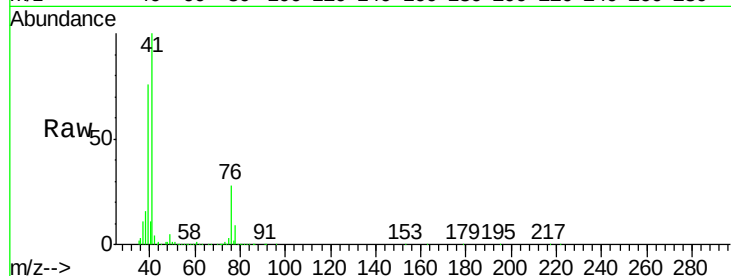




#21
 Allyl Chloride
 Concen: 9.592 ppbv
 RT: 4.55 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

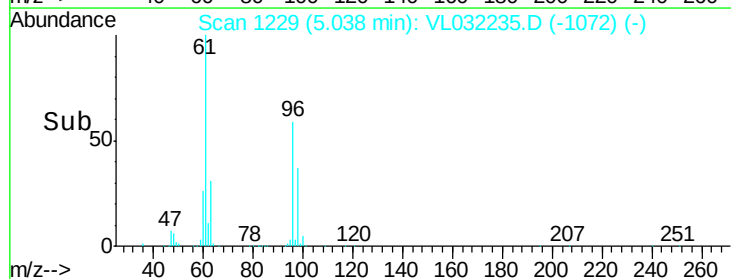
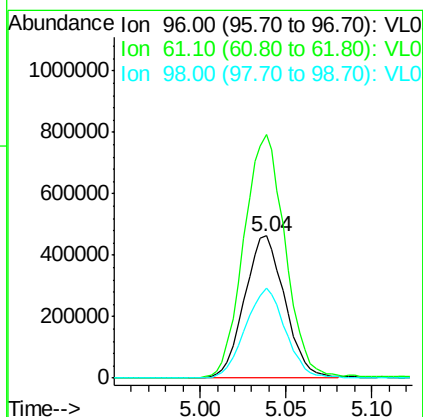
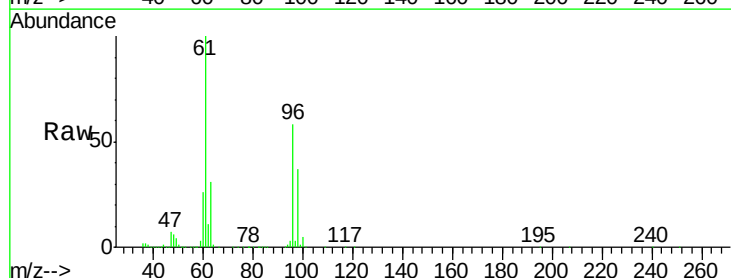
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071218

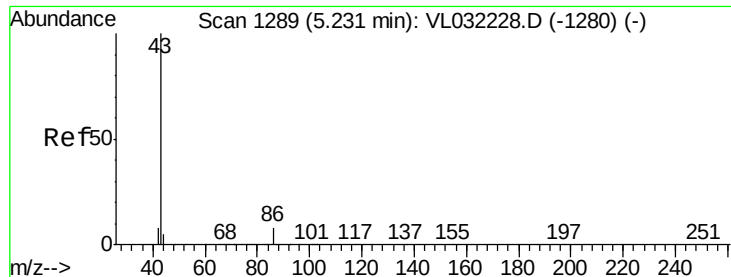
Tgt Ion: 41 Resp: 1219560
 Ion Ratio Lower Upper
 41 100
 76 28.1 22.9 34.3
 39 76.6 62.3 93.5



#22
 trans-1,2-Dichloroethene
 Concen: 10.331 ppbv
 RT: 5.04 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

Tgt Ion: 96 Resp: 753460
 Ion Ratio Lower Upper
 96 100
 61 171.4 139.1 208.7
 98 63.2 48.4 72.6





#23

Vinyl Acetate

Concen: 9.887 ppbv

RT: 5.23 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071218

Tgt Ion: 43 Resp: 3570970

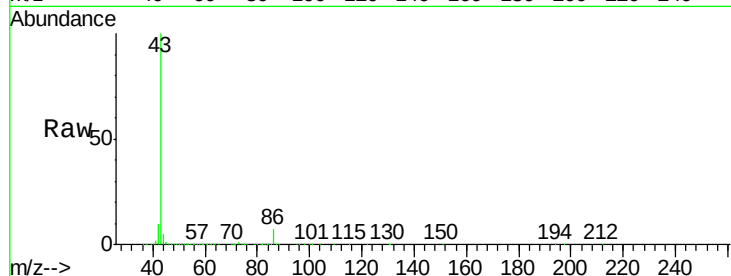
Ion Ratio Lower Upper

43 100

86 7.3 5.9 8.9

42 9.5 7.0 10.6

44 5.1 4.2 6.2

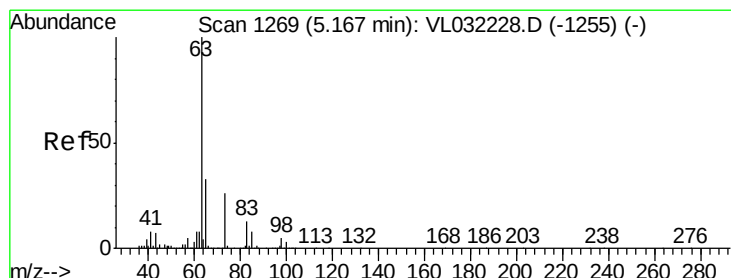
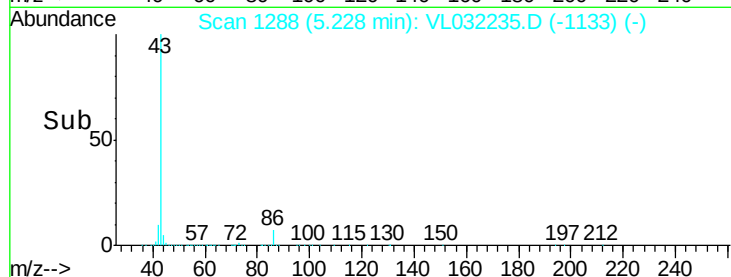
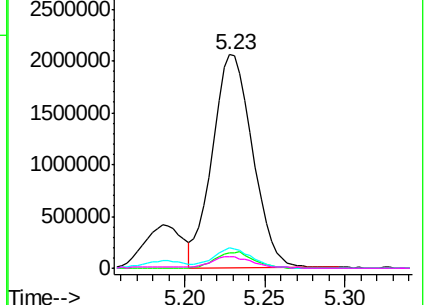


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.276 ppbv

RT: 5.17 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

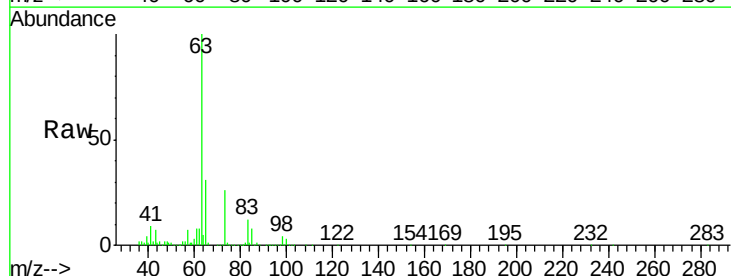
Tgt Ion: 63 Resp: 2352394

Ion Ratio Lower Upper

63 100

98 4.2 2.4 7.1

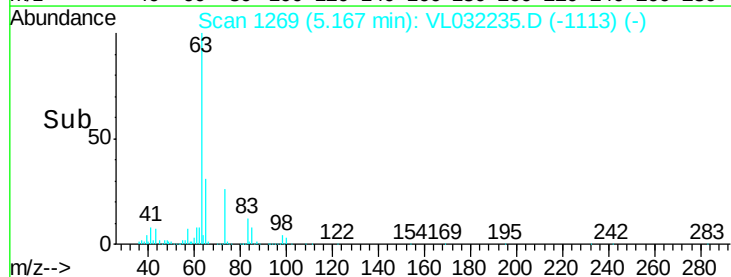
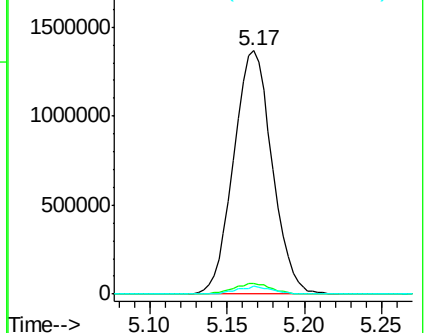
100 3.1 1.5 4.4

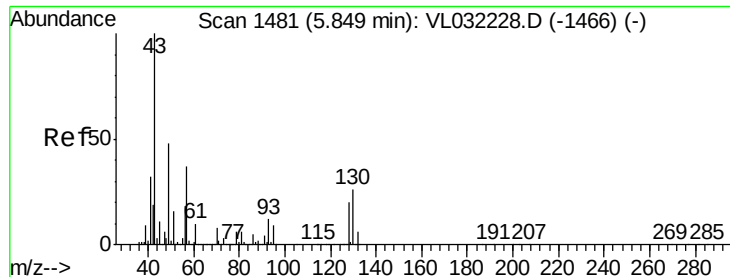


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



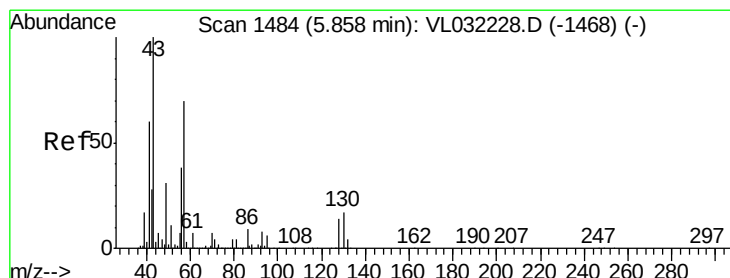
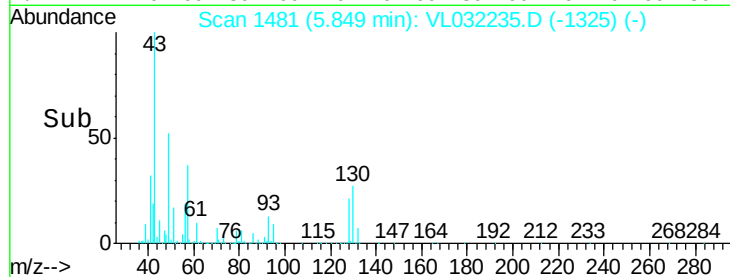
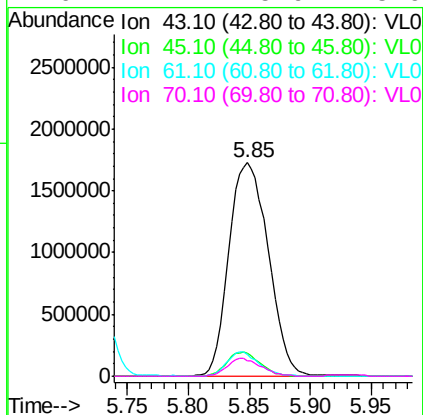
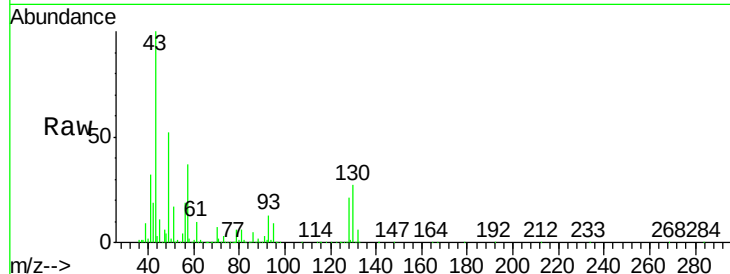


#25
Ethyl Acetate
Concen: 9.011 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. 0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

Instrument :
MSVOA_L
ClientSampleId :
ICVVL071218

Tgt Ion: 43 Resp: 3872956

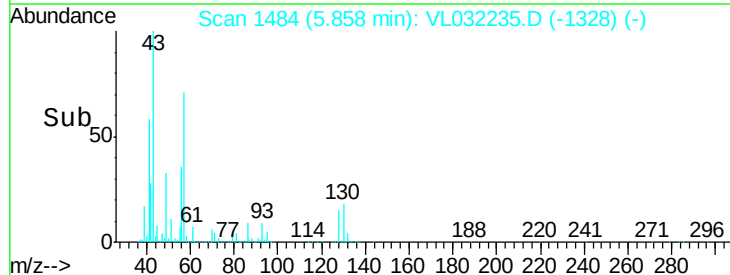
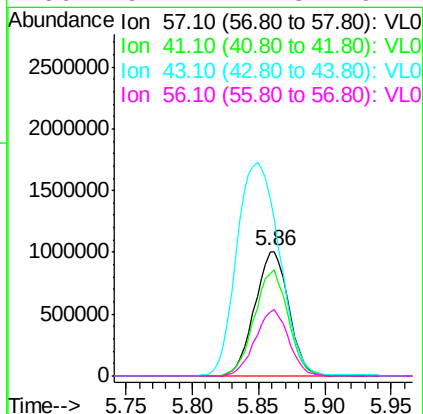
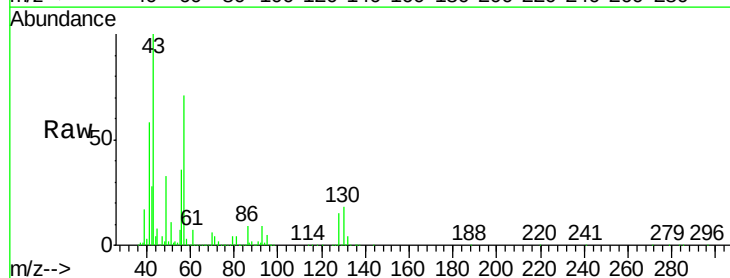
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.4	7.7	11.5
70	7.1	5.9	8.9

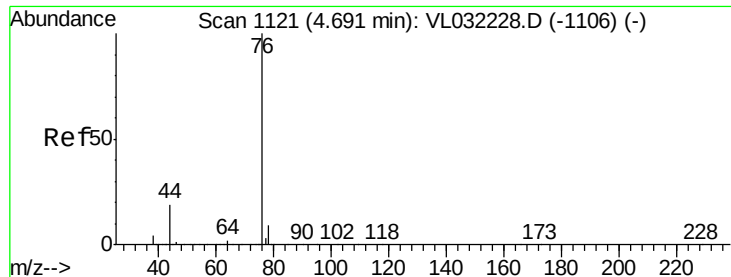


#26
Hexane
Concen: 9.177 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. 0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

Tgt Ion: 57 Resp: 1799120

Ion	Ratio	Lower	Upper
57	100		
41	85.1	68.7	103.1
43	215.9	176.2	264.2
56	52.7	42.8	64.2

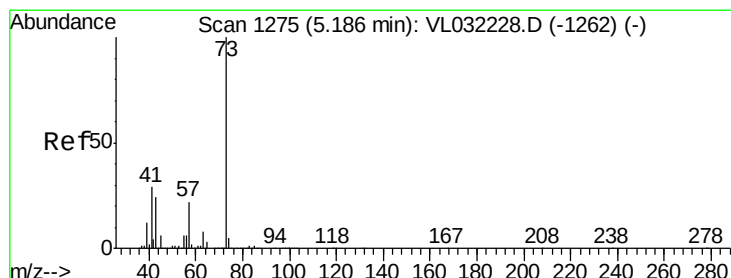
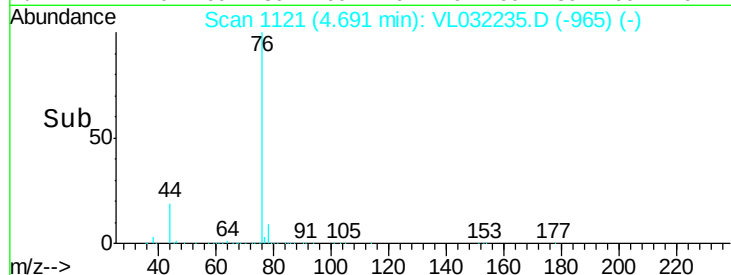
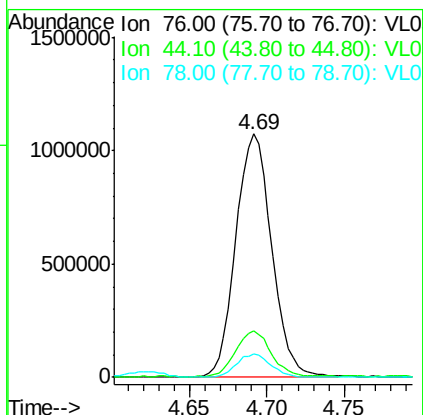
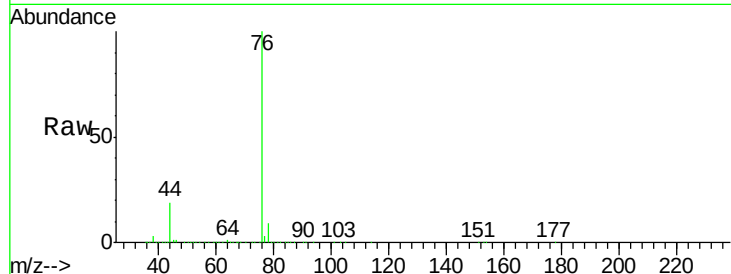




#27
Carbon Disulfide
Concen: 9.868 ppbv
RT: 4.69 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

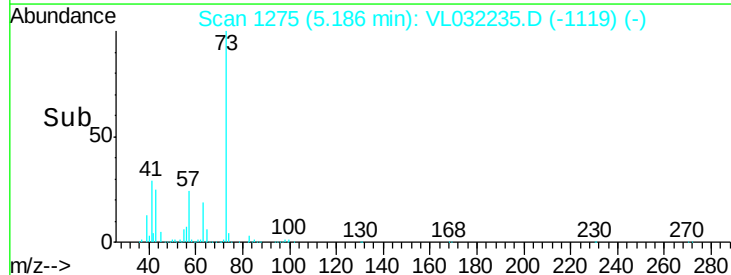
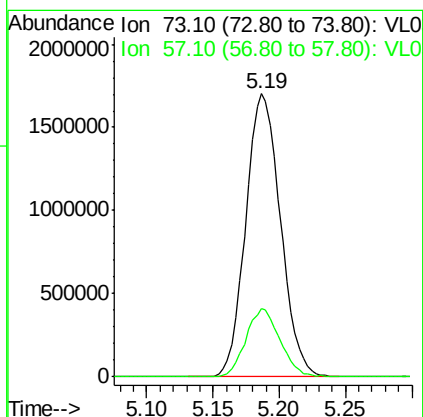
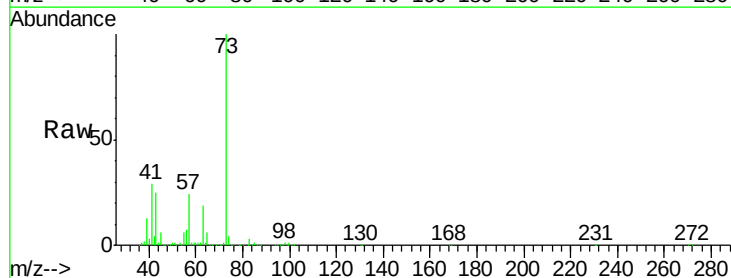
Instrument :
MSVOA_L
ClientSampleId :
ICVVL071218

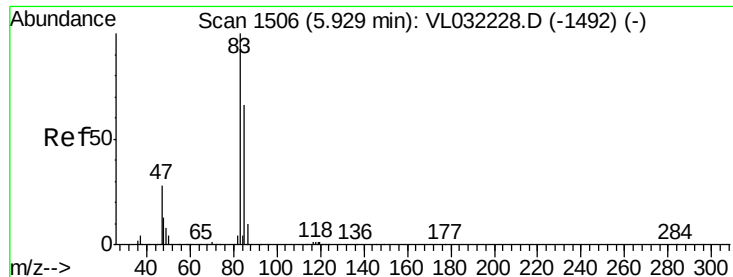
Tgt Ion: 76 Resp: 1731093
Ion Ratio Lower Upper
76 100
44 19.1 15.1 22.7
78 9.0 7.4 11.0



#28
Methyl tert-Butyl Ether
Concen: 10.061 ppbv
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

Tgt Ion: 73 Resp: 3104697
Ion Ratio Lower Upper
73 100
57 23.8 18.6 27.8

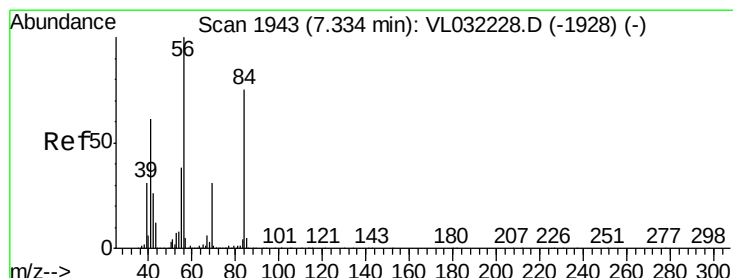
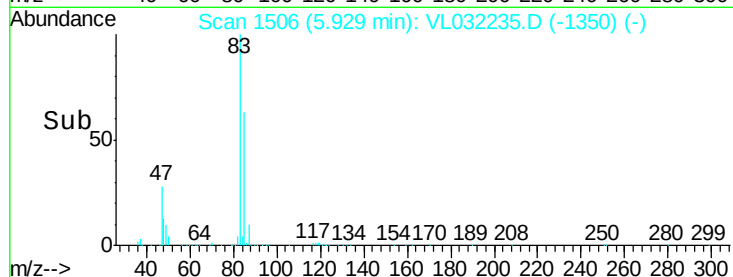
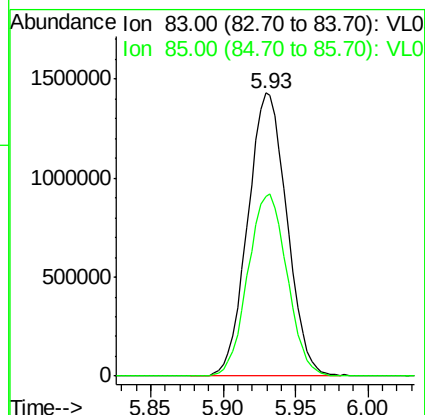
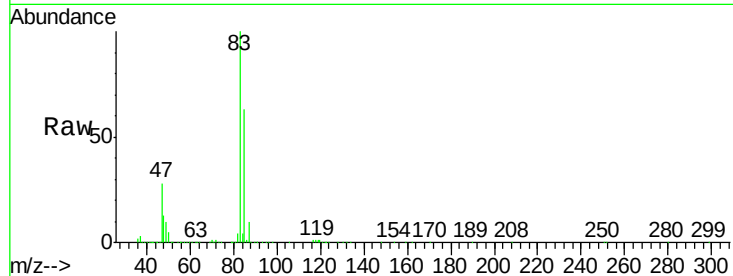




#29
Chloroform
Concen: 8.874 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

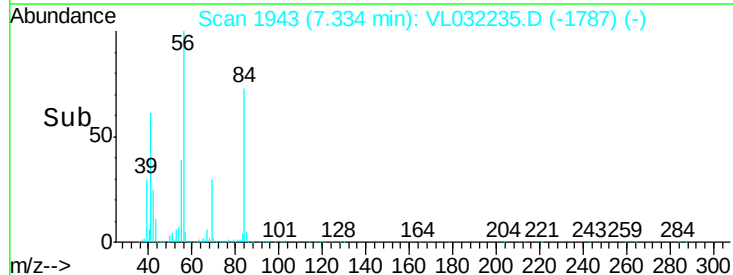
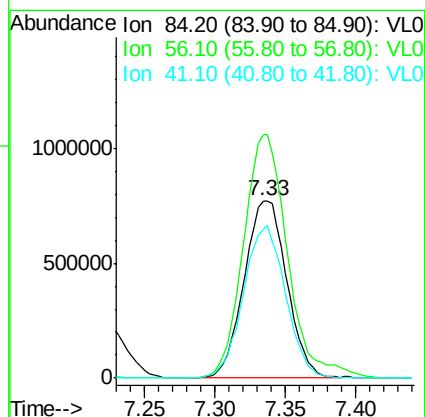
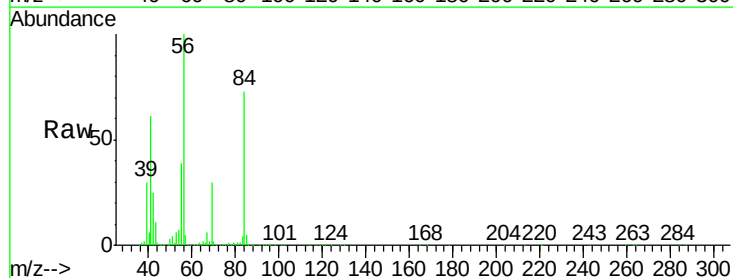
Instrument :
MSVOA_L
ClientSampleId :
ICVVL071218

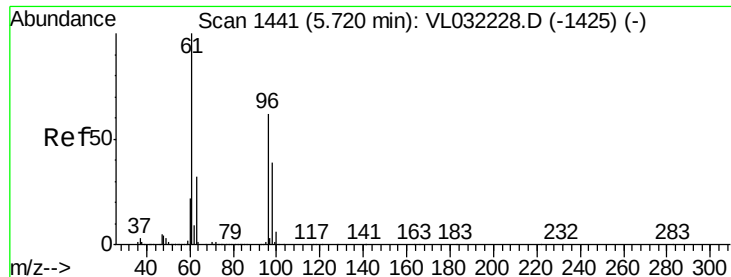
Tgt Ion: 83 Resp: 2686054
Ion Ratio Lower Upper
83 100
85 63.3 52.7 79.1



#30
Cyclohexane
Concen: 9.482 ppbv
RT: 7.33 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

Tgt Ion: 84 Resp: 1640366
Ion Ratio Lower Upper
84 100
56 142.2 112.6 168.8
41 84.3 67.0 100.6





#31

cis-1,2-Dichloroethene

Concen: 9.754 ppbv

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071218

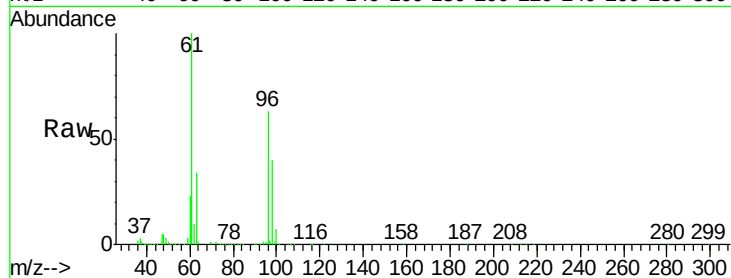
Tgt Ion: 61 Resp: 1908436

Ion Ratio Lower Upper

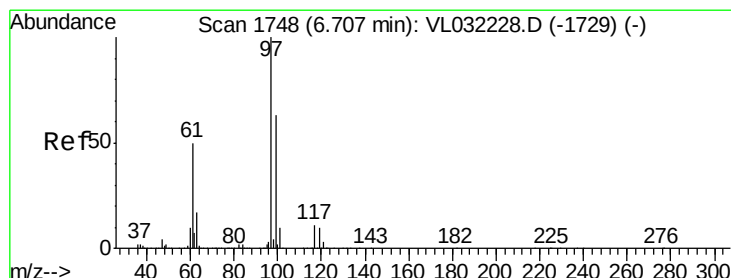
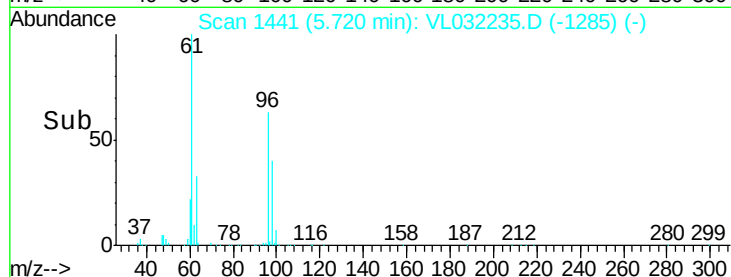
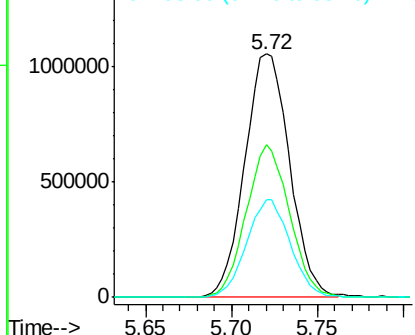
61 100

96 62.8 49.8 74.8

98 39.9 31.4 47.2



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: 9.277 ppbv

RT: 6.71 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

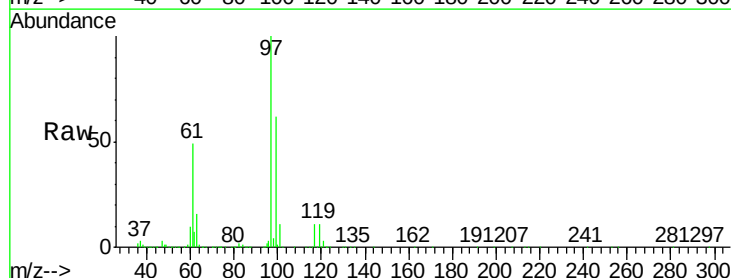
Tgt Ion: 97 Resp: 2724533

Ion Ratio Lower Upper

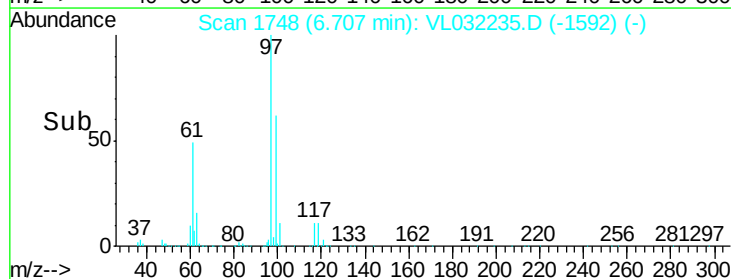
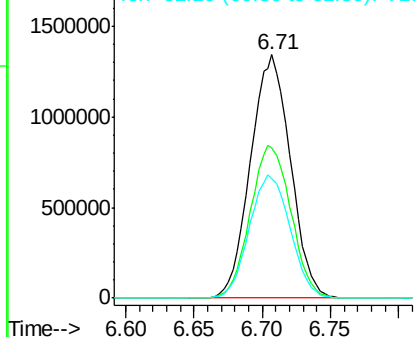
97 100

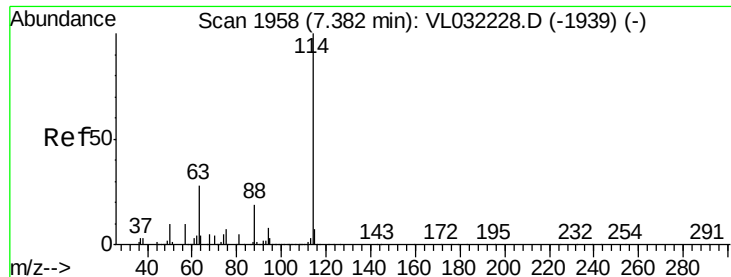
99 64.0 51.2 76.8

61 51.9 41.3 61.9



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

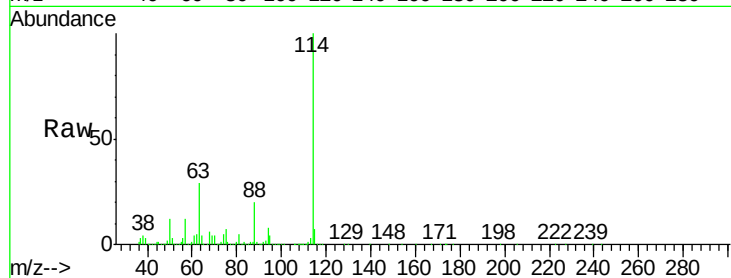




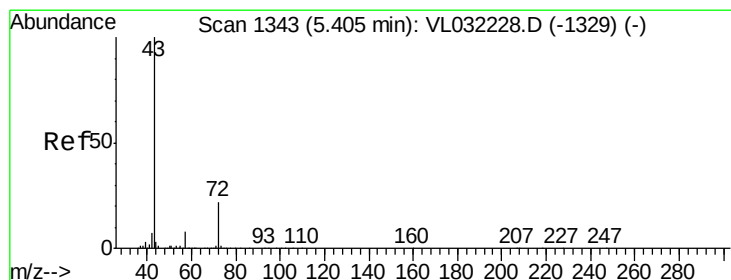
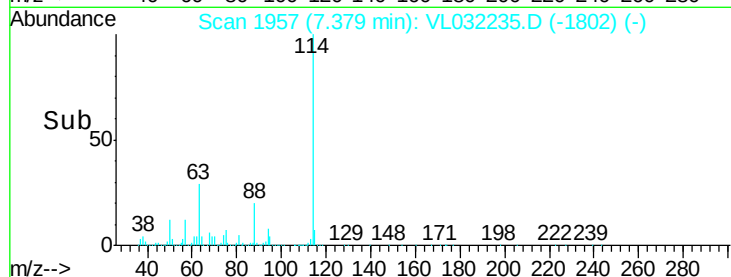
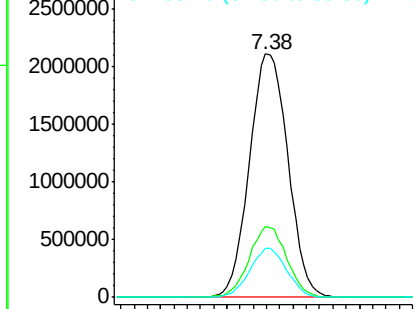
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071218

Tgt Ion:114 Resp: 4256057
 Ion Ratio Lower Upper
 114 100
 63 28.6 22.5 33.7
 88 19.4 15.4 23.0

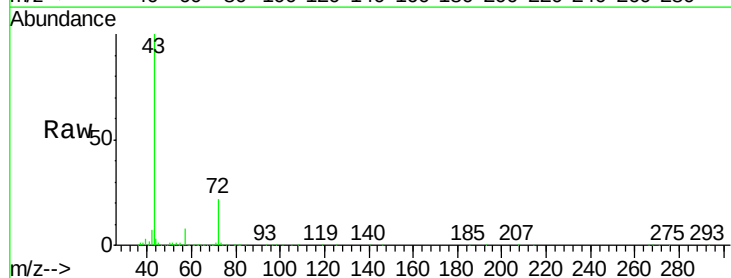


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

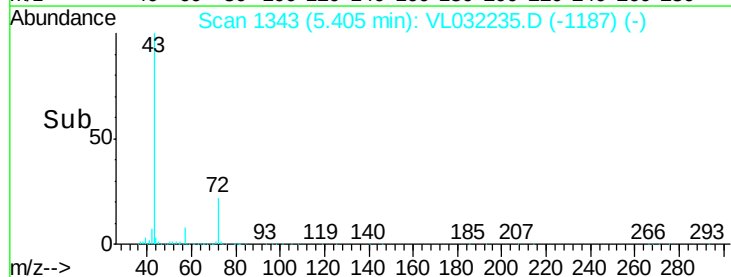
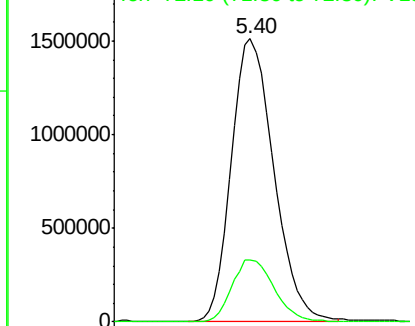


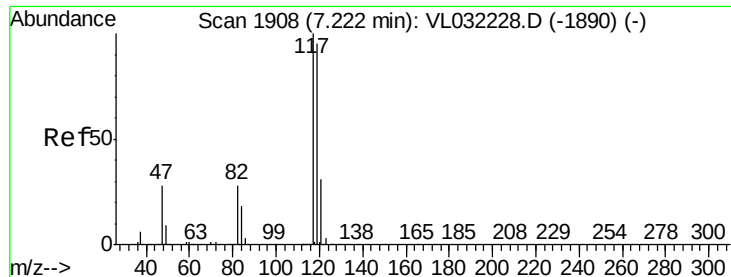
#34
 2-Butanone
 Concen: 9.434 ppbv
 RT: 5.40 min Scan# 1343
 Delta R.T. 0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

Tgt Ion: 43 Resp: 2735490
 Ion Ratio Lower Upper
 43 100
 72 22.0 18.1 27.1



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





#35

Carbon Tetrachloride

Concen: 9.360 ppbv

RT: 7.22 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071218

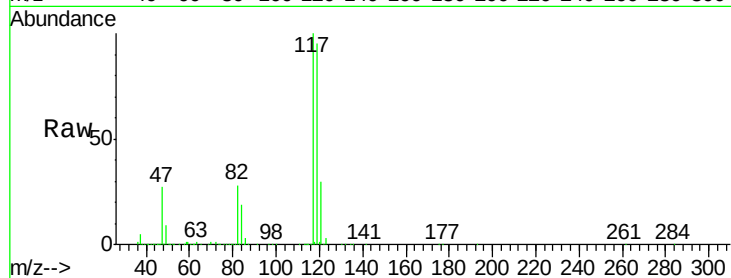
Tgt Ion:117 Resp: 2695999

Ion Ratio Lower Upper

117 100

119 95.2 75.7 113.5

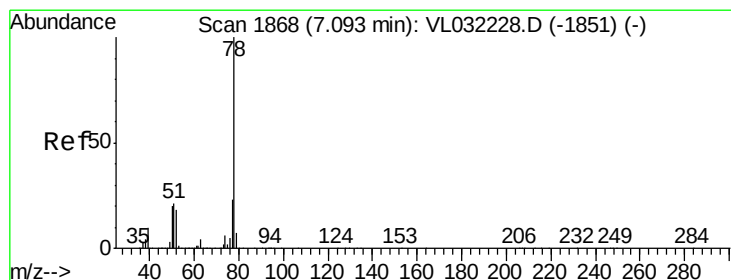
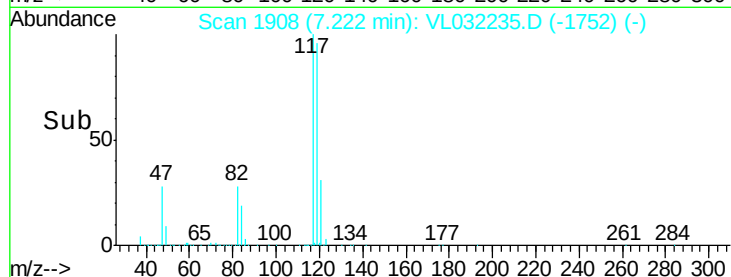
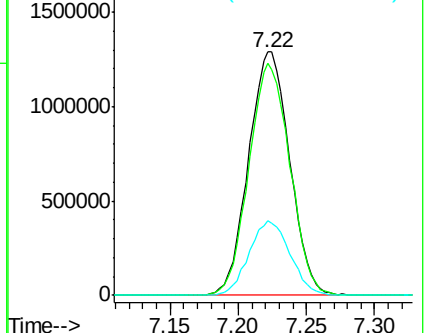
121 30.5 24.6 37.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.260 ppbv

RT: 7.09 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

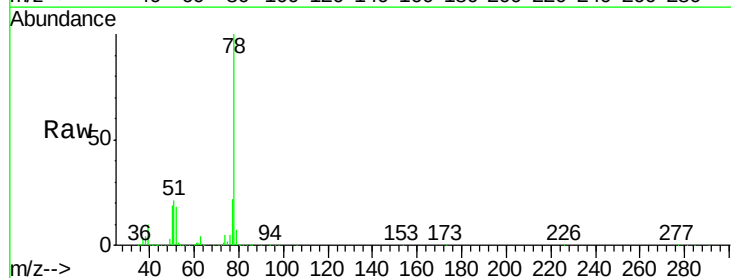
Tgt Ion: 78 Resp: 3916755

Ion Ratio Lower Upper

78 100

77 22.0 18.0 27.0

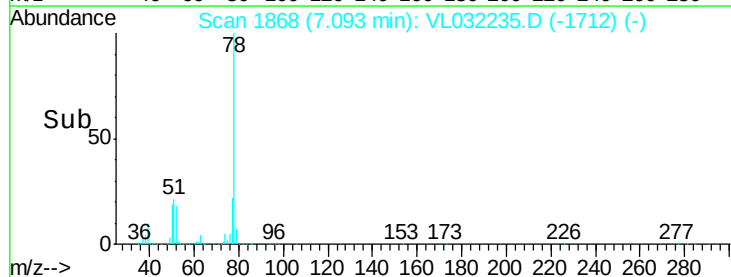
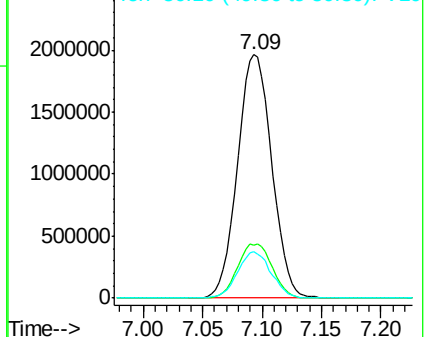
50 19.0 15.8 23.8

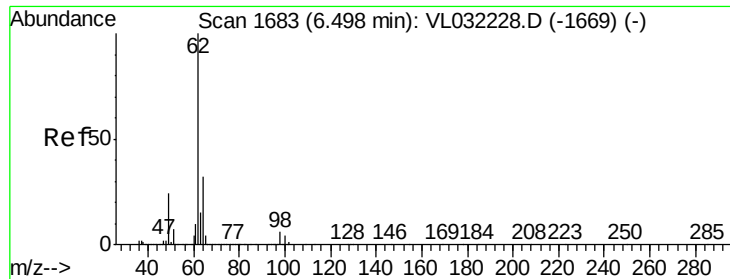


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

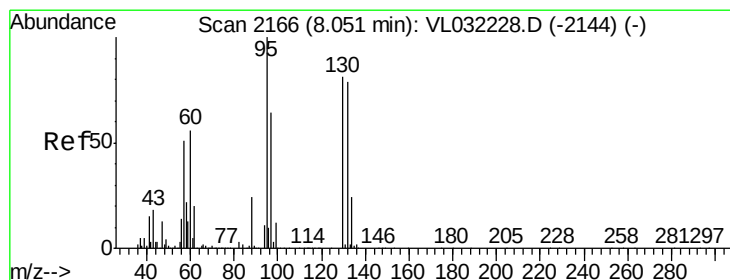
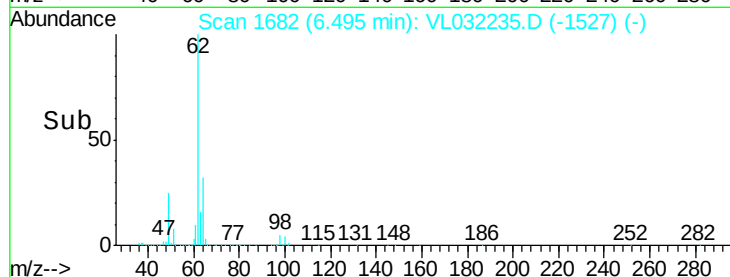
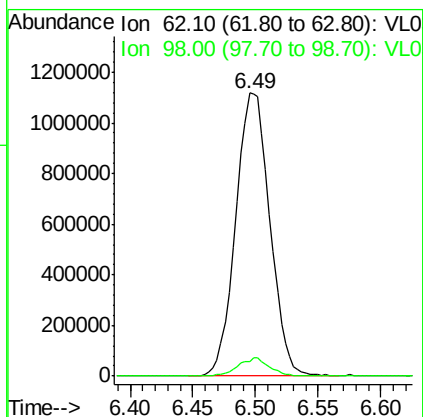
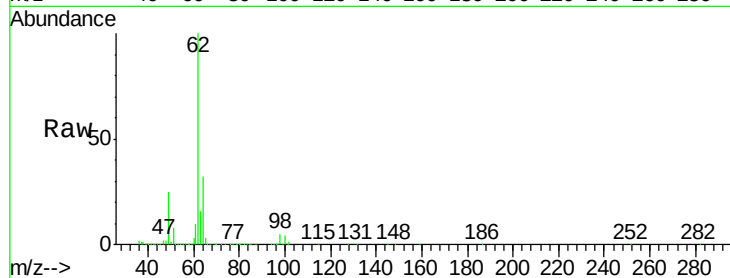




#37
 1,2-Dichloroethane
 Concen: 9.161 ppbv
 RT: 6.49 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

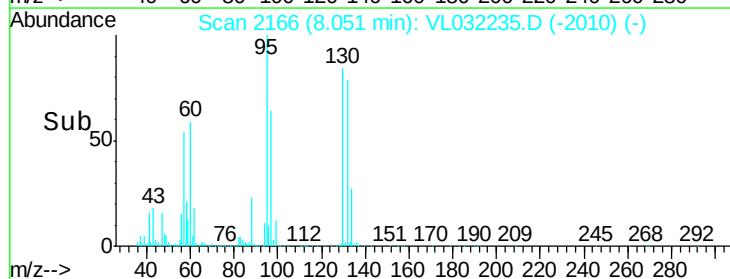
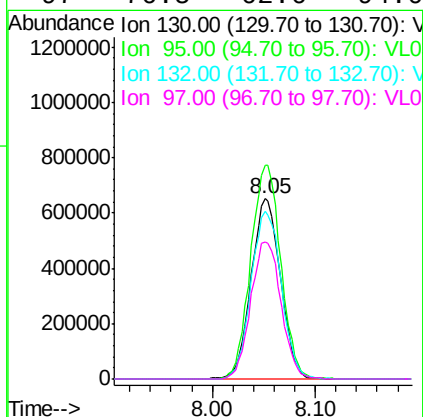
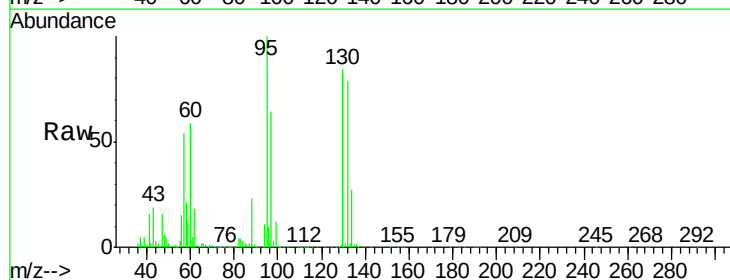
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071218

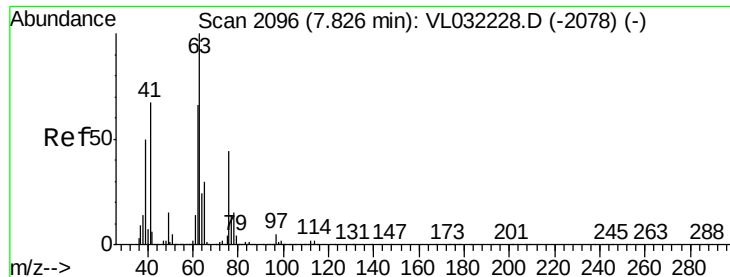
Tgt Ion: 62 Resp: 2121421
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.6 7.0



#38
 Trichloroethene
 Concen: 8.906 ppbv
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

Tgt Ion: 130 Resp: 1292112
 Ion Ratio Lower Upper
 130 100
 95 118.7 98.3 147.5
 132 93.5 78.1 117.1
 97 76.5 62.6 94.0





#39

1,2-Dichloropropane

Concen: 9.367 ppbv

RT: 7.83 min Scan# 2096

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071218

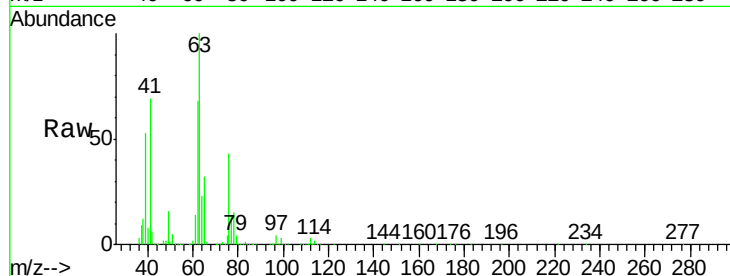
Tgt Ion: 63 Resp: 1574473

Ion Ratio Lower Upper

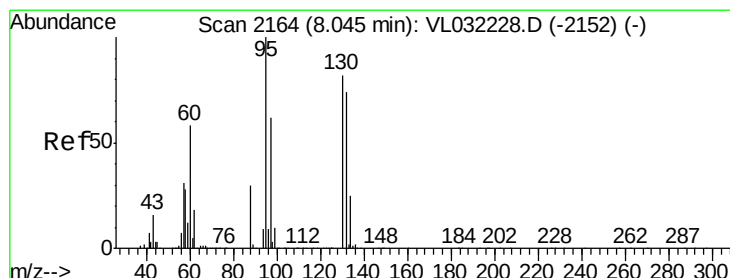
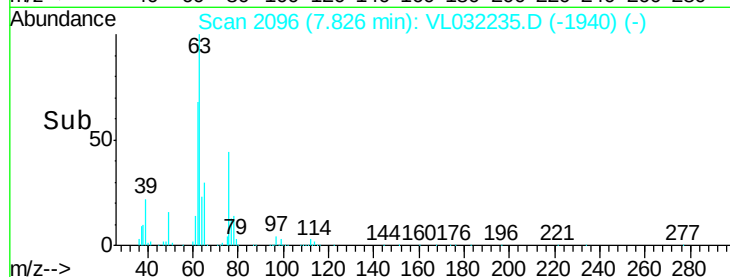
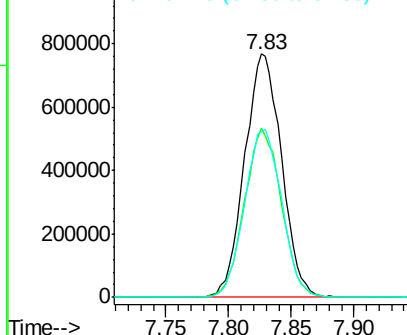
63 100

41 69.4 53.8 80.6

62 68.1 53.1 79.7



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: 7.972 ppbv

RT: 8.05 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Tgt Ion: 88 Resp: 459485

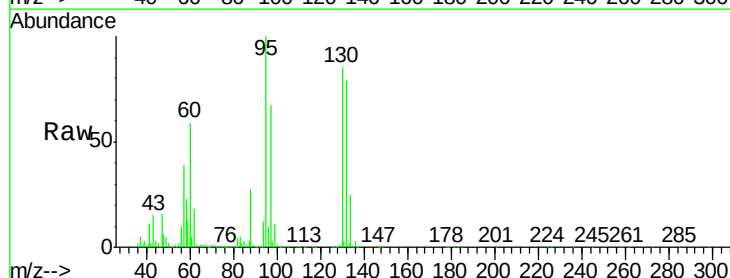
Ion Ratio Lower Upper

88 100

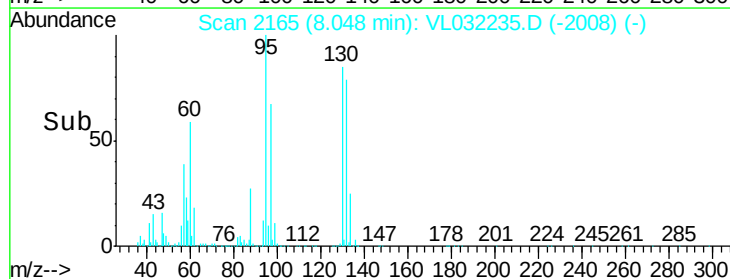
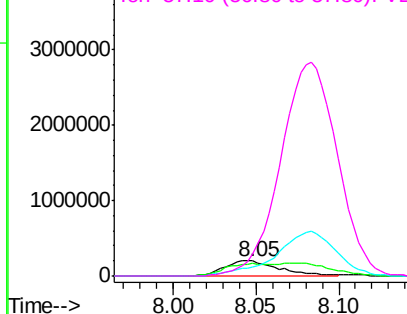
58 70.2 117.4 176.2#

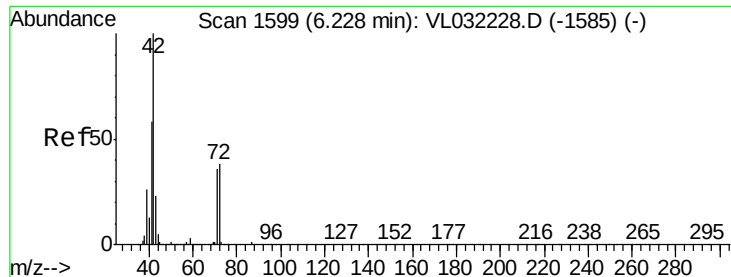
43 0.0 0.0 0.0

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

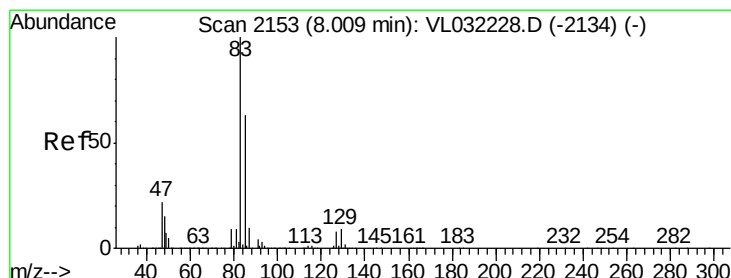
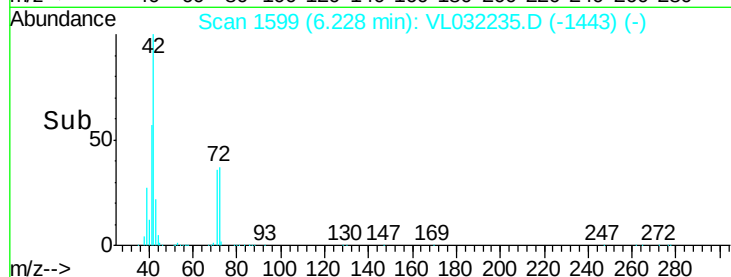
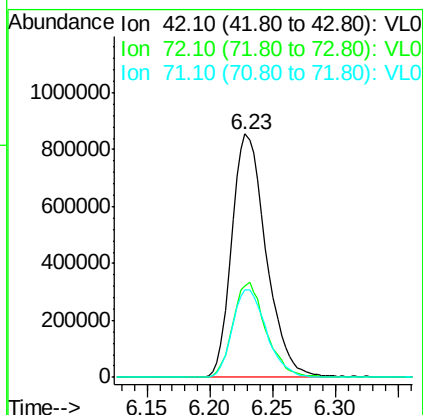
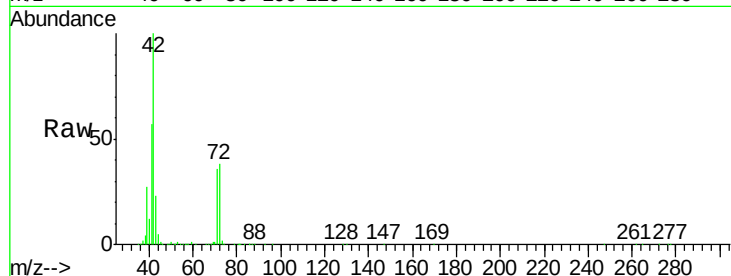




#41
Tetrahydrofuran
Concen: 10.028 ppbv
RT: 6.23 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

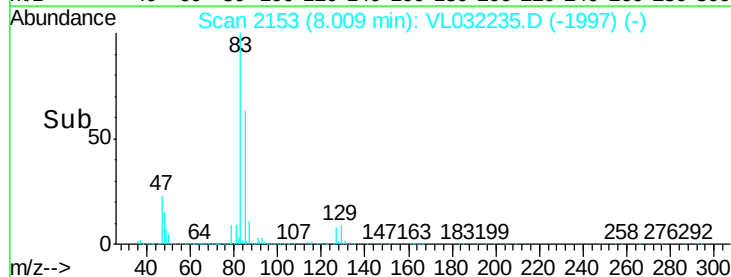
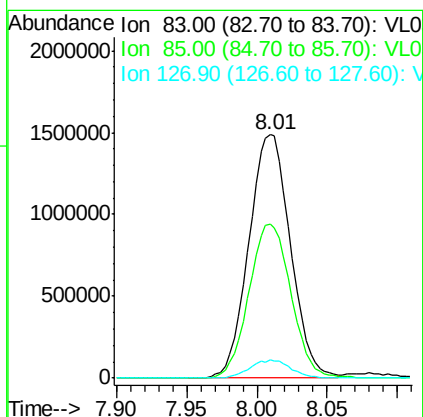
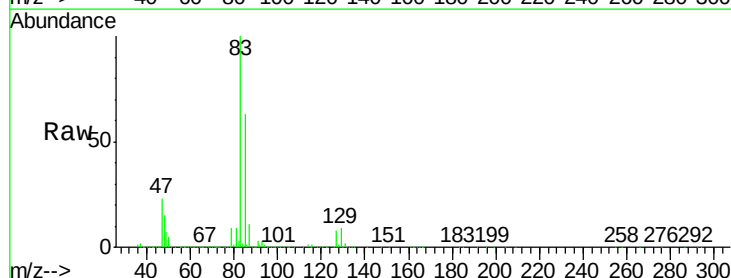
Instrument :
MSVOA_L
ClientSampleId :
ICVVL071218

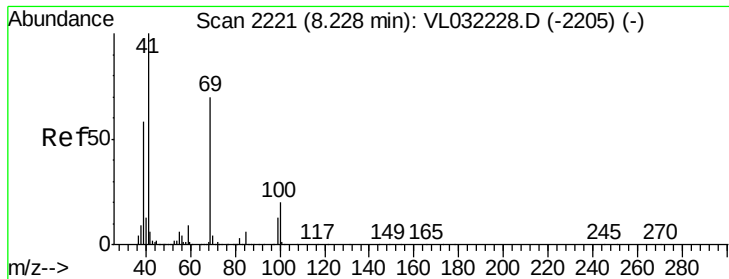
Tgt Ion: 42 Resp: 1627359
Ion Ratio Lower Upper
42 100
72 37.6 30.6 45.8
71 36.1 29.7 44.5



#42
Bromodichloromethane
Concen: 9.311 ppbv
RT: 8.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

Tgt Ion: 83 Resp: 3070089
Ion Ratio Lower Upper
83 100
85 63.4 50.6 76.0
127 7.7 6.1 9.1





#43

Methyl Methacrylate

Concen: 9.913 ppbv

RT: 8.22 min Scan# 2220

Delta R.T. -0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071218

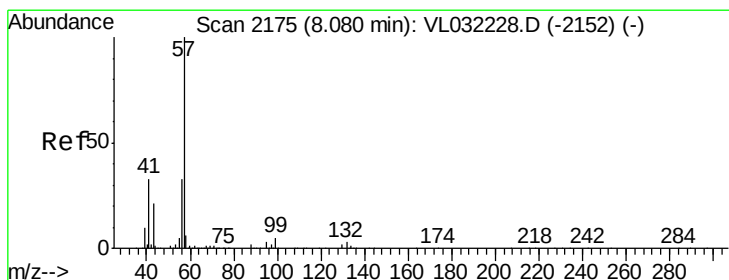
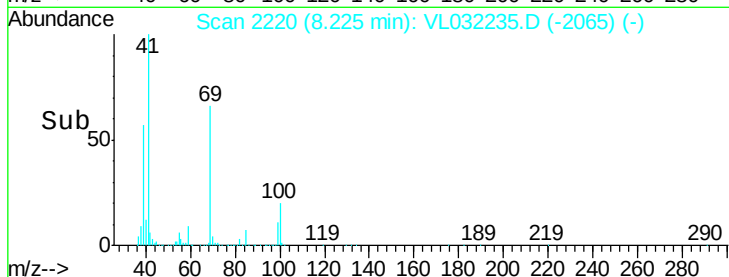
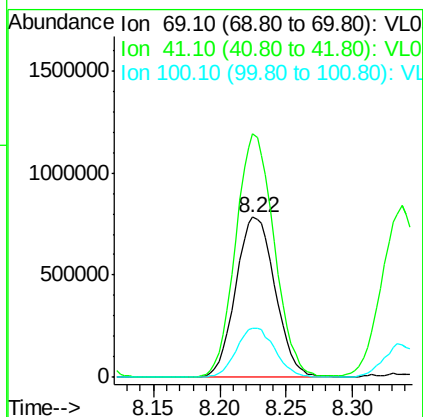
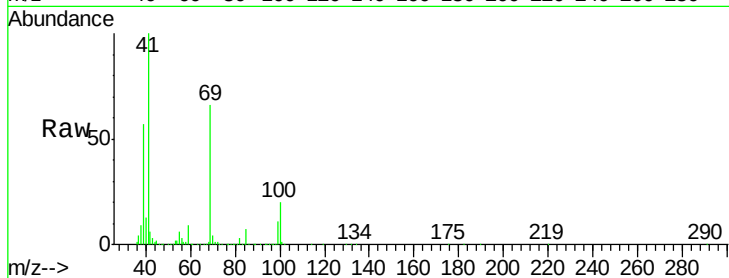
Tgt Ion: 69 Resp: 1620330

Ion Ratio Lower Upper

69 100

41 148.0 116.3 174.5

100 30.2 23.8 35.8



#44

2,2,4-Trimethylpentane

Concen: 9.314 ppbv

RT: 8.08 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

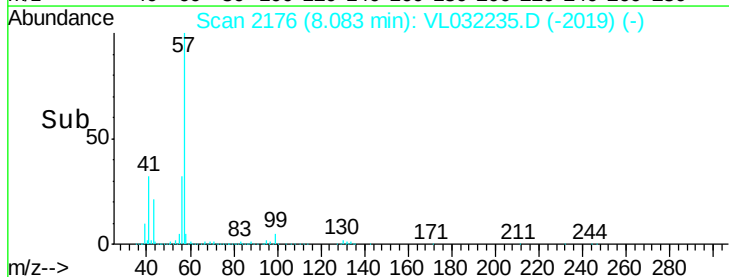
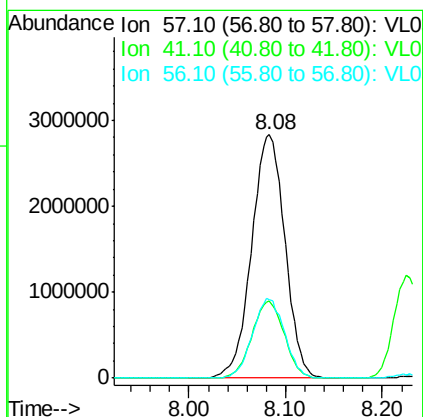
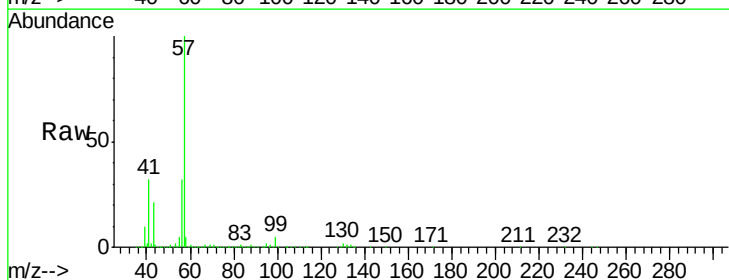
Tgt Ion: 57 Resp: 6775390

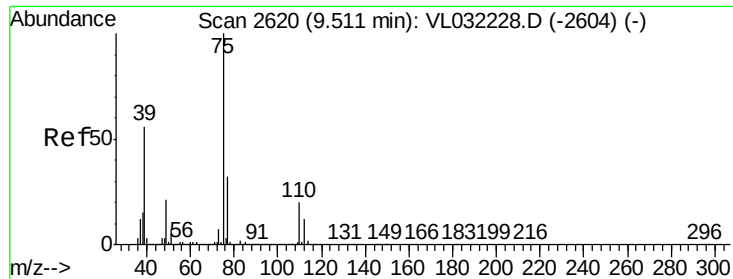
Ion Ratio Lower Upper

57 100

41 30.6 24.7 37.1

56 31.4 25.4 38.0

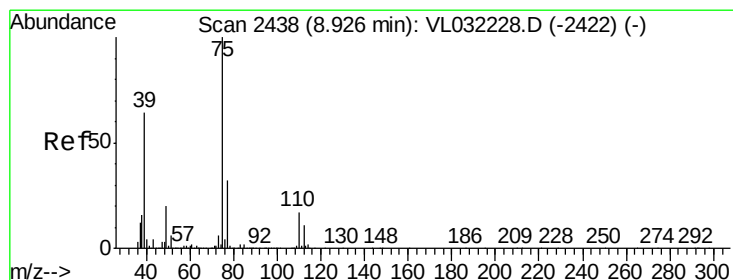
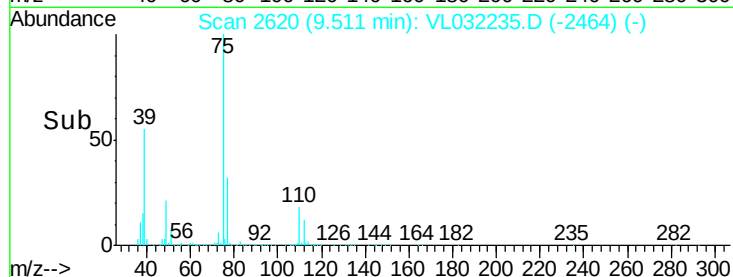
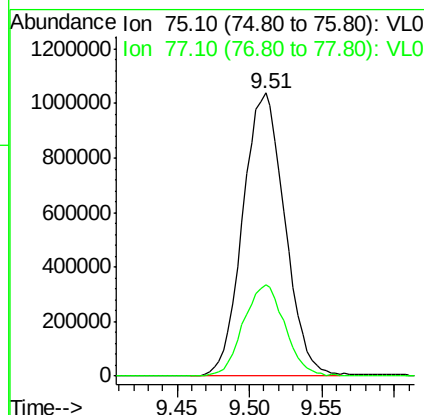
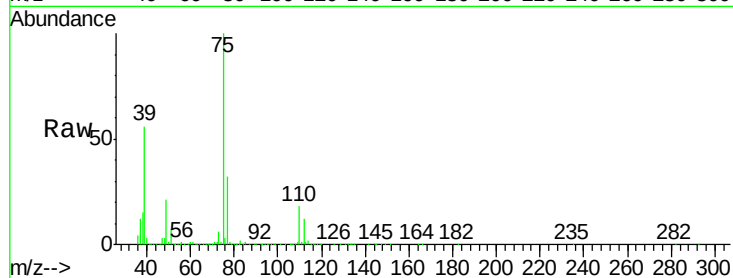




#45
 t-1,3-Dichloropropene
 Concen: 10.753 ppbv
 RT: 9.51 min Scan# 2620
 Delta R.T. 0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

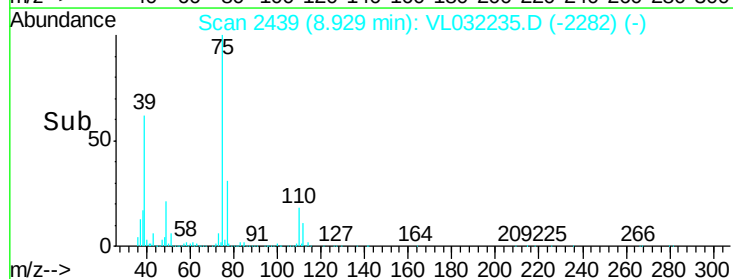
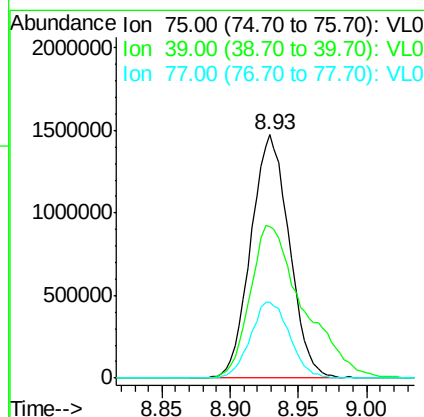
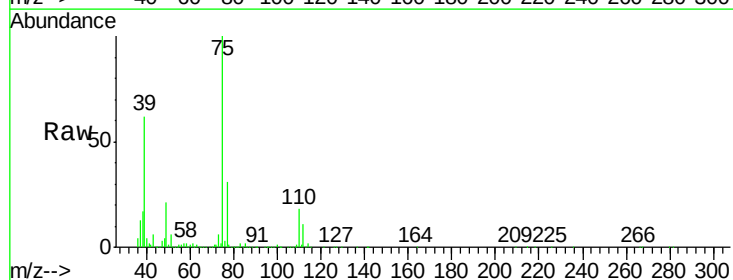
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071218

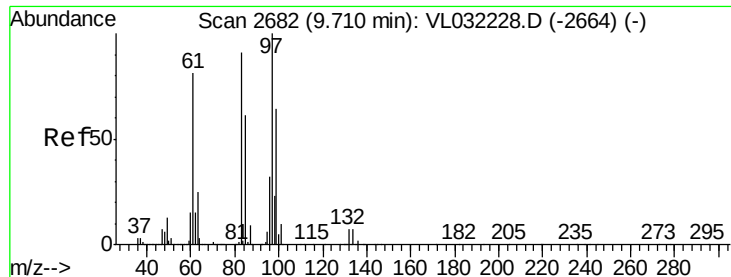
Tgt Ion: 75 Resp: 2093313
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.5 38.3



#46
 cis-1,3-Dichloropropene
 Concen: 10.848 ppbv
 RT: 8.93 min Scan# 2439
 Delta R.T. 0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

Tgt Ion: 75 Resp: 2880274
 Ion Ratio Lower Upper
 75 100
 39 62.1 50.9 76.3
 77 31.0 25.3 37.9

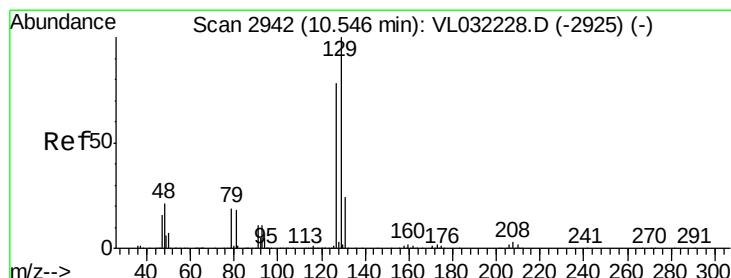
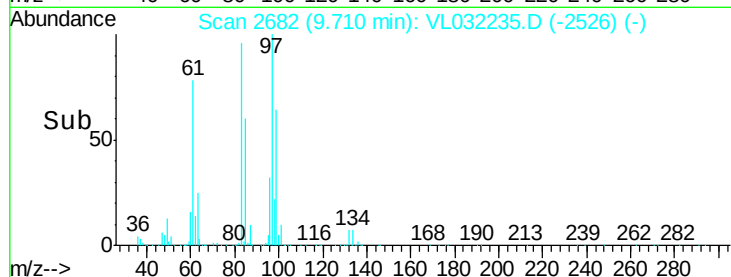
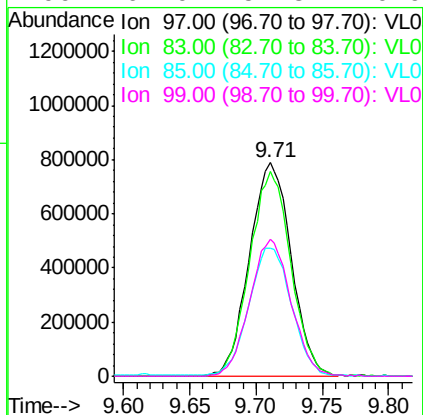
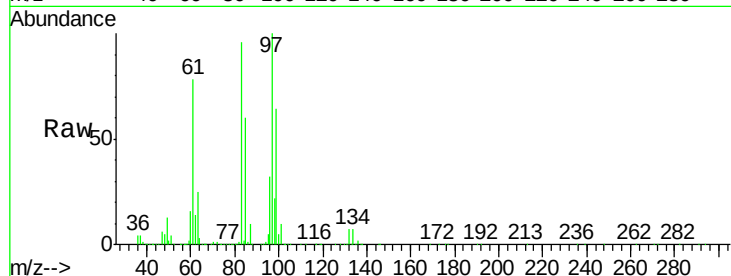




#47
 1,1,2-Trichloroethane
 Concen: 9.237 ppbv
 RT: 9.71 min Scan# 2682
 Delta R.T. 0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

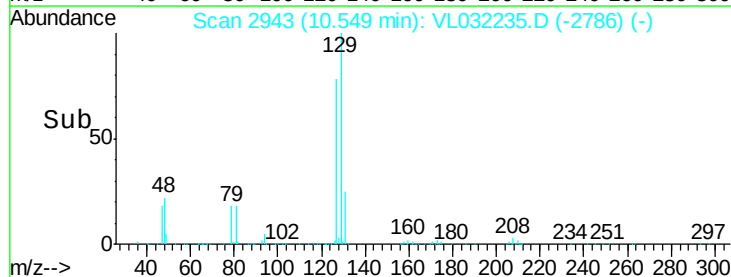
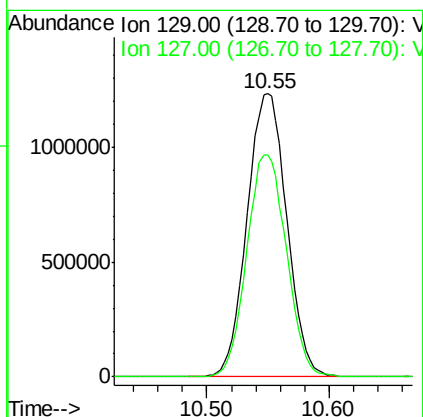
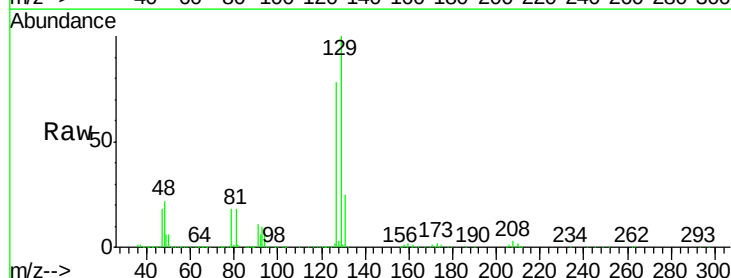
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071218

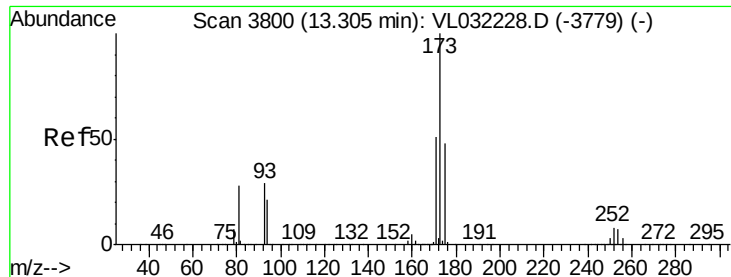
Tgt Ion: 97 Resp: 1734182
 Ion Ratio Lower Upper
 97 100
 83 95.8 72.9 109.3
 85 59.4 49.3 73.9
 99 64.0 51.3 76.9



#48
 Dibromochloromethane
 Concen: 9.921 ppbv
 RT: 10.55 min Scan# 2943
 Delta R.T. 0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

Tgt Ion: 129 Resp: 2770992
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.3 117.9





#49

Bromoform

Concen: 9.803 ppbv

RT: 13.31 min Scan# 3800

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071218

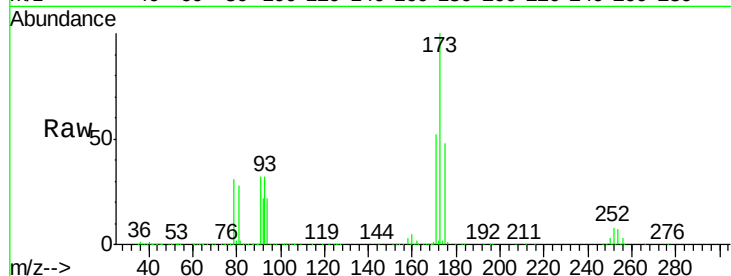
Tgt Ion:173 Resp: 2195073

Ion Ratio Lower Upper

173 100

175 48.6 39.4 59.2

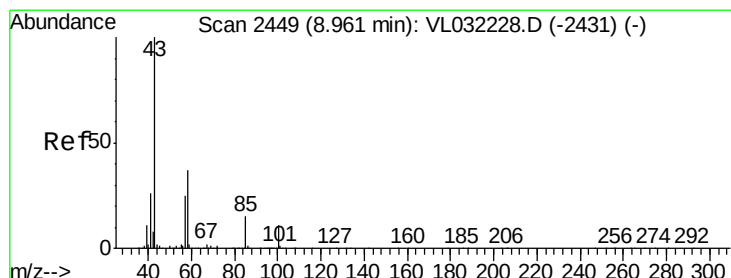
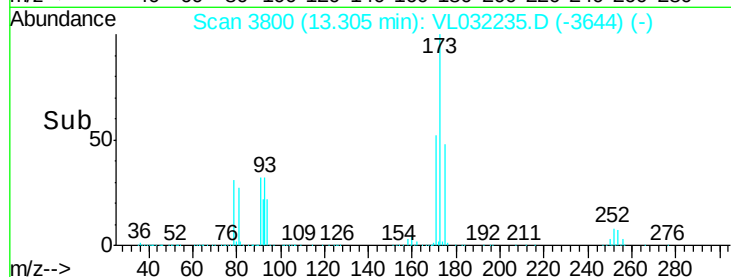
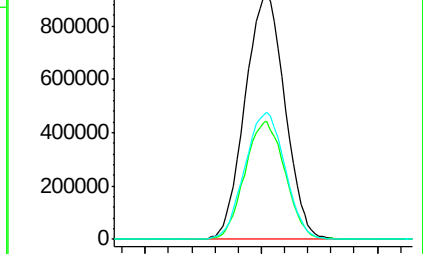
171 52.6 41.8 62.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.646 ppbv

RT: 8.96 min Scan# 2449

Delta R.T. 0.00 min

Lab File: VL032235.D

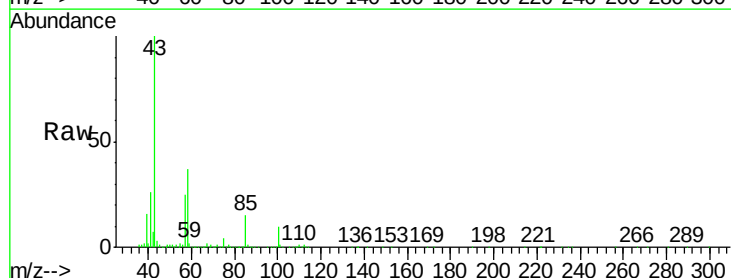
Acq: 13 Jul 2018 00:11

Tgt Ion: 43 Resp: 4839032

Ion Ratio Lower Upper

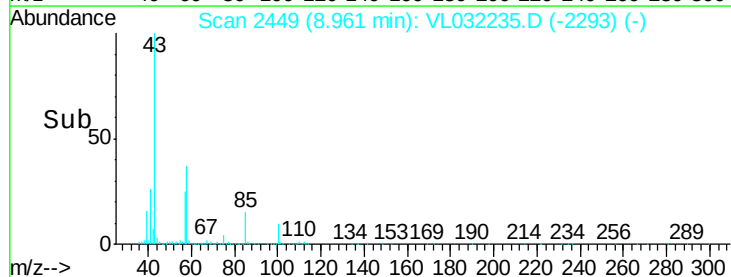
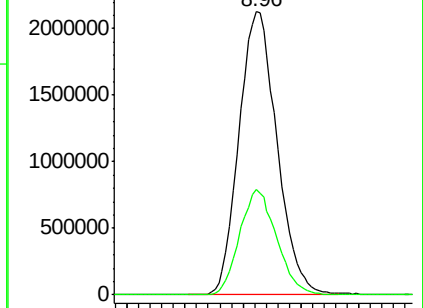
43 100

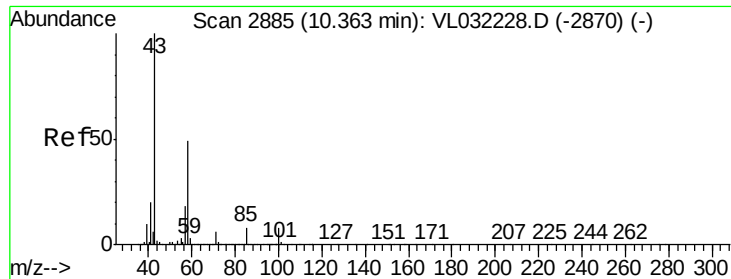
58 36.3 29.5 44.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.342 ppbv

RT: 10.37 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071218

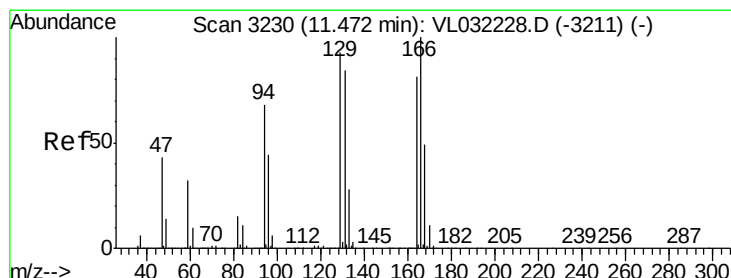
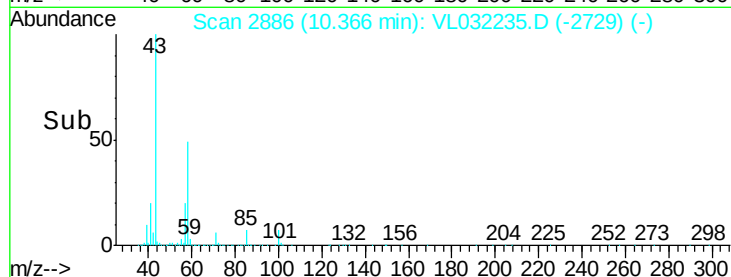
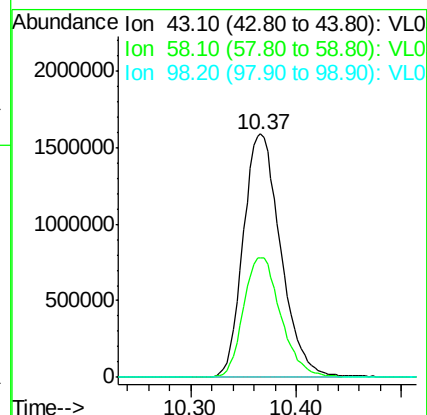
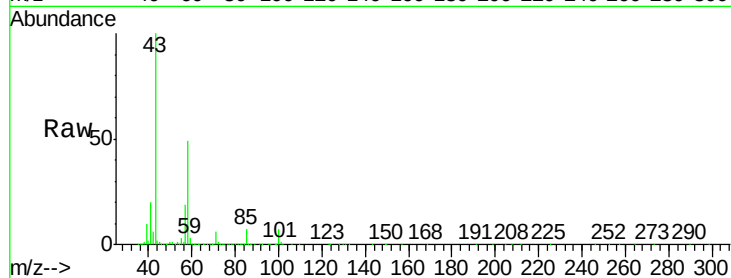
Tgt Ion: 43 Resp: 3913860

Ion Ratio Lower Upper

43 100

58 49.4 39.9 59.9

98 0.1 0.2 0.4#



#52

Tetrachloroethene

Concen: 8.729 ppbv

RT: 11.47 min Scan# 3229

Delta R.T. -0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Tgt Ion: 164 Resp: 1364165

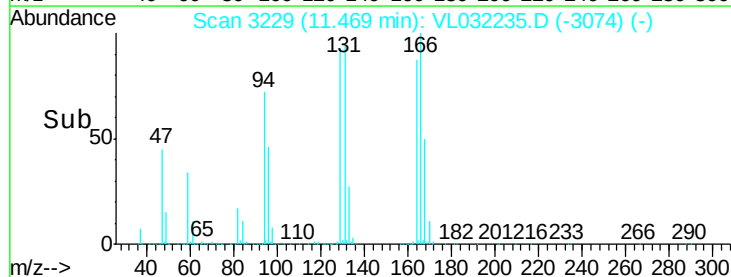
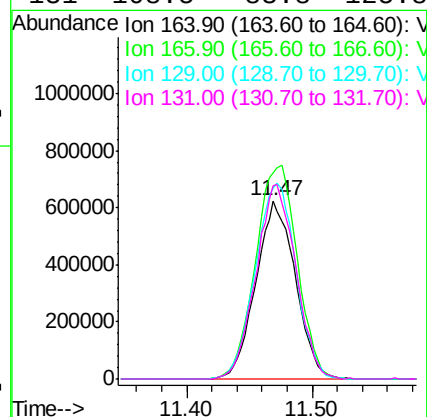
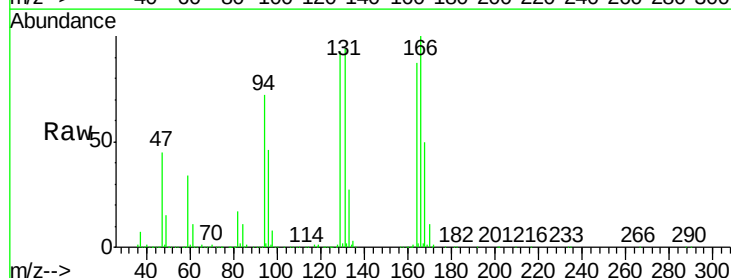
Ion Ratio Lower Upper

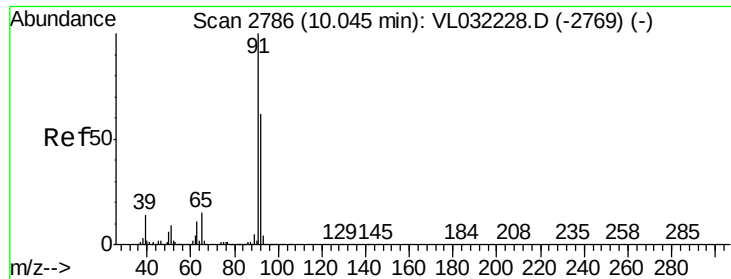
164 100

166 115.5 99.3 148.9

129 107.3 92.0 138.0

131 108.5 83.8 125.8





#53

Toluene

Concen: 10.037 ppbv

RT: 10.04 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

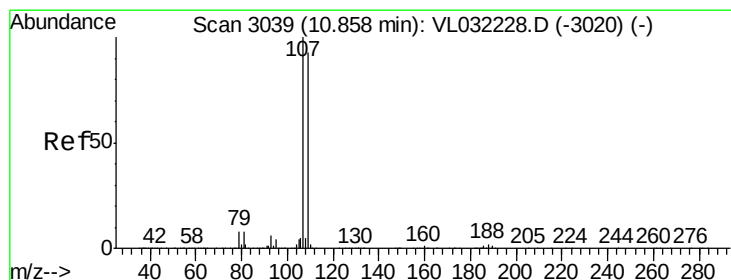
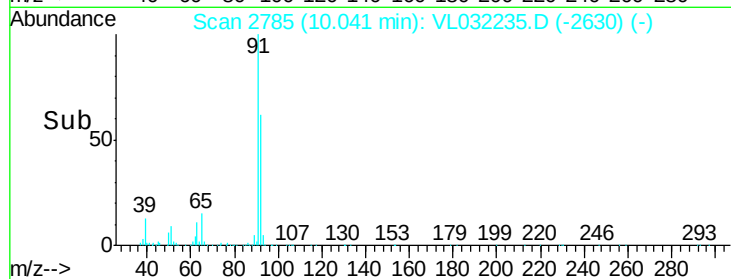
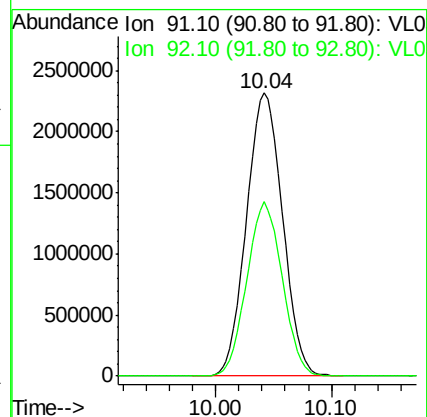
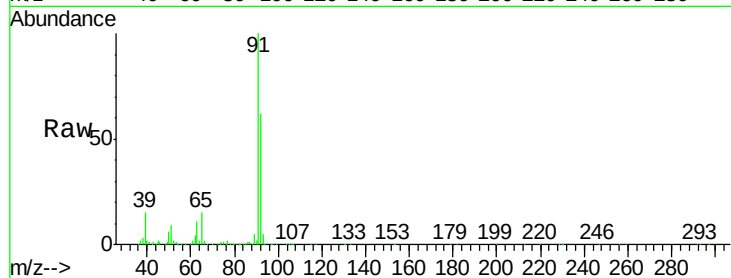
ICVVL071218

Tgt Ion: 91 Resp: 5019490

Ion Ratio Lower Upper

91 100

92 60.5 49.0 73.4



#54

1,2-Dibromoethane

Concen: 9.780 ppbv

RT: 10.86 min Scan# 3039

Delta R.T. 0.00 min

Lab File: VL032235.D

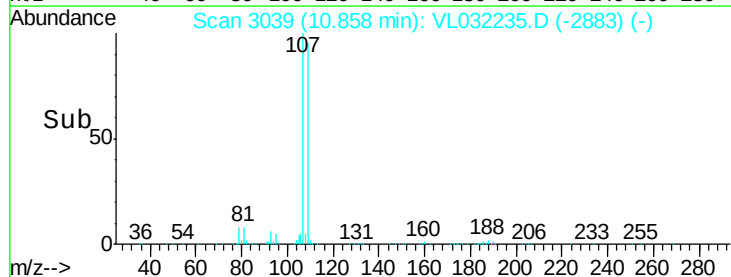
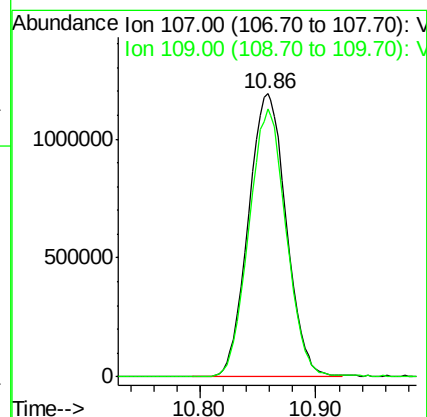
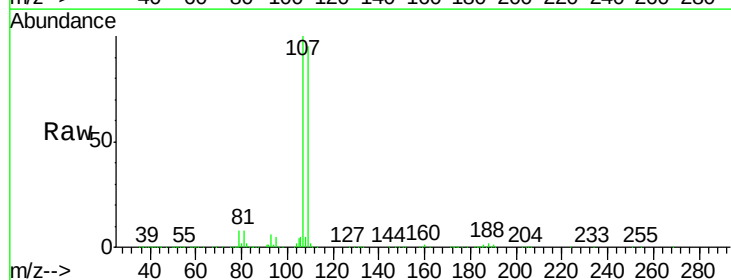
Acq: 13 Jul 2018 00:11

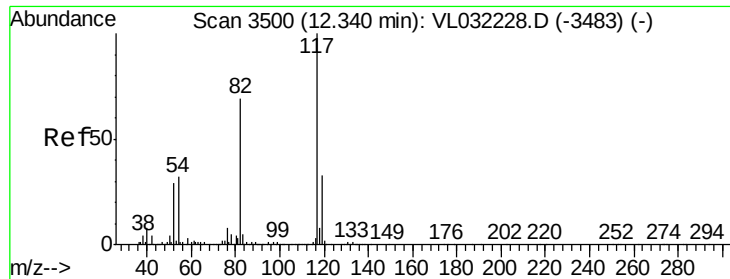
Tgt Ion: 107 Resp: 2710874

Ion Ratio Lower Upper

107 100

109 94.5 74.3 111.5

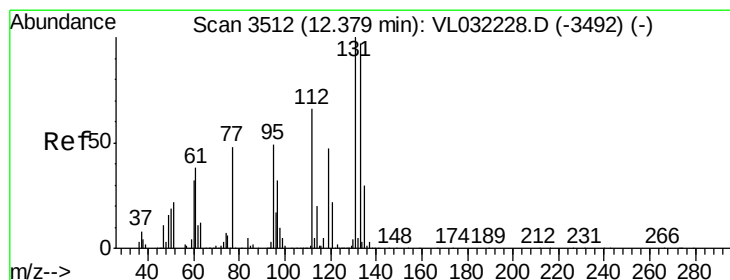
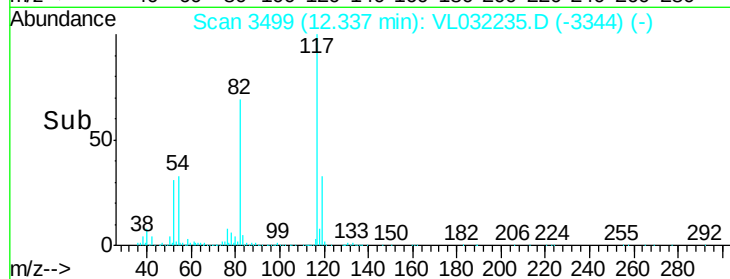
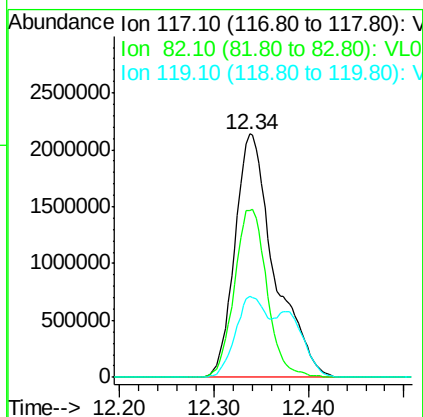
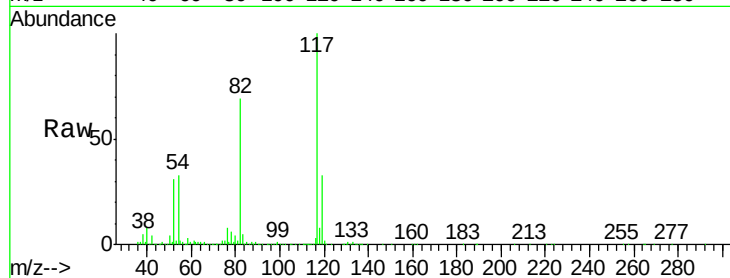




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3499
Delta R.T. -0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

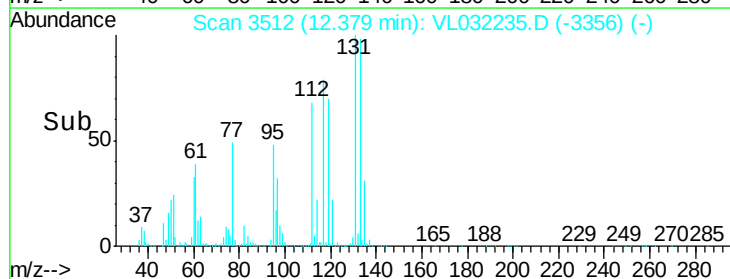
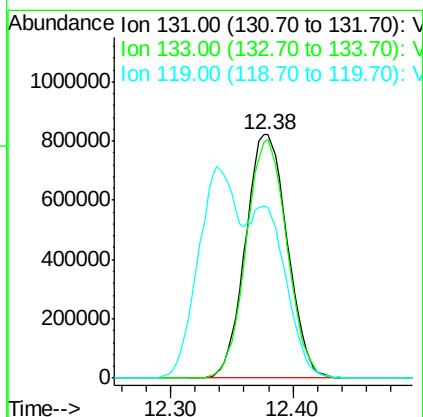
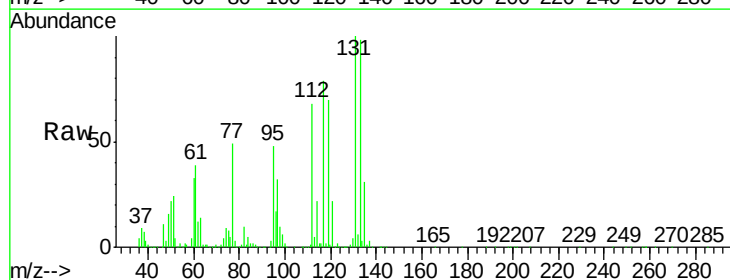
Instrument :
MSVOA_L
ClientSampleId :
ICVVL071218

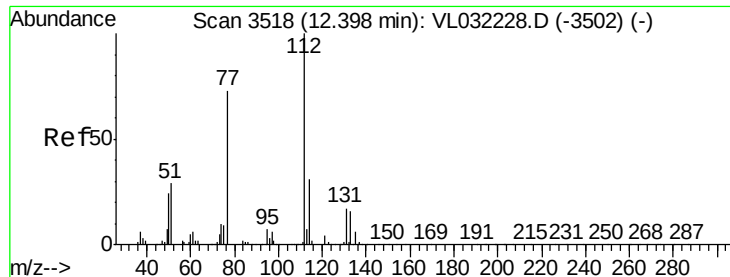
Tgt Ion:117 Resp: 6198319
Ion Ratio Lower Upper
117 100
82 57.1 53.2 79.8
119 46.4 43.9 65.9



#56
1,1,1,2-Tetrachloroethane
Concen: 7.237 ppbv
RT: 12.38 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

Tgt Ion:131 Resp: 1948678
Ion Ratio Lower Upper
131 100
133 95.2 75.2 112.8
119 147.5 113.9 170.9

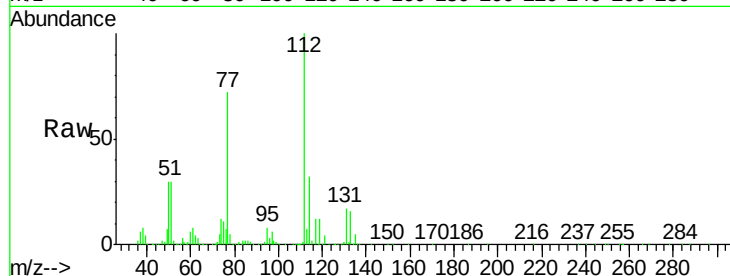




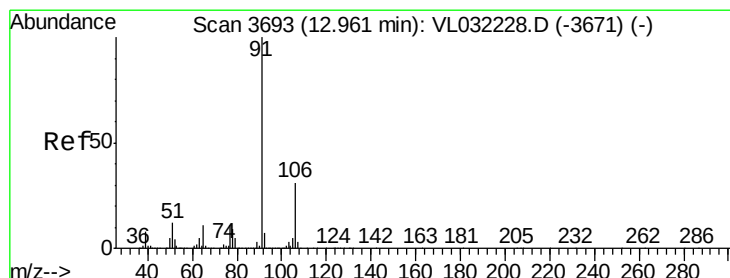
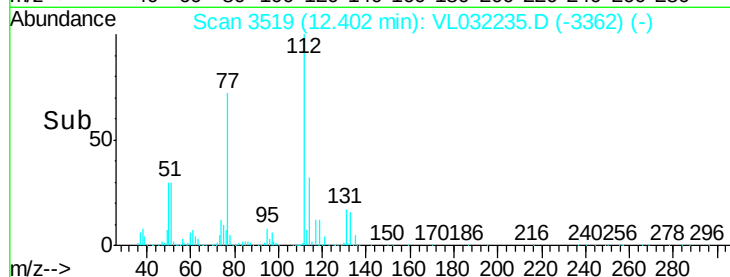
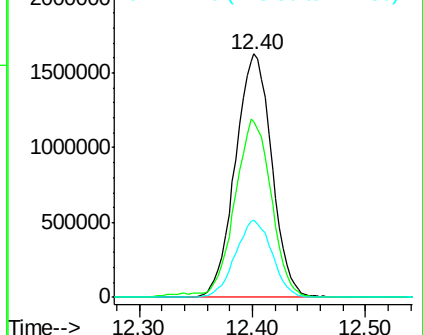
#57
Chlorobenzene
Concen: 6.964 ppbv
RT: 12.40 min Scan# 3519
Delta R.T. 0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

Instrument :
MSVOA_L
ClientSampleId :
ICVVL071218

Tgt Ion: 112 Resp: 3648411
Ion Ratio Lower Upper
112 100
77 72.1 58.8 88.2
114 31.8 27.9 34.1

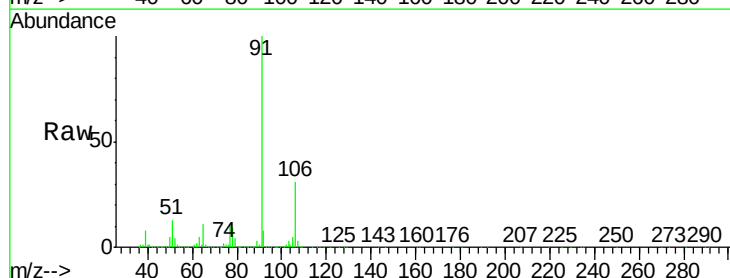


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

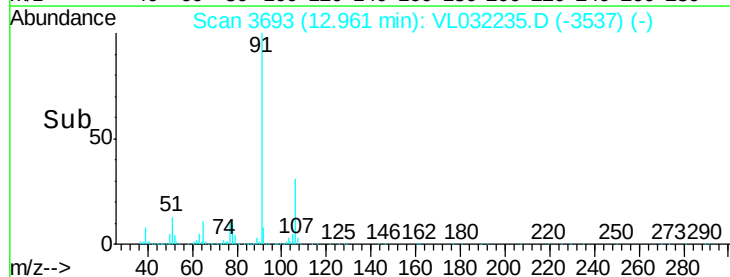
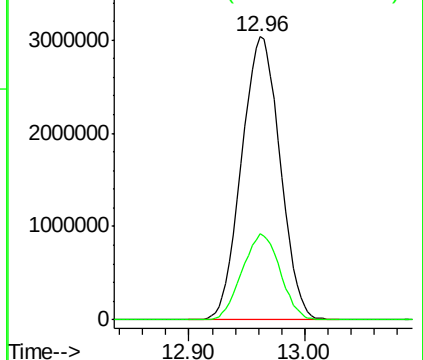


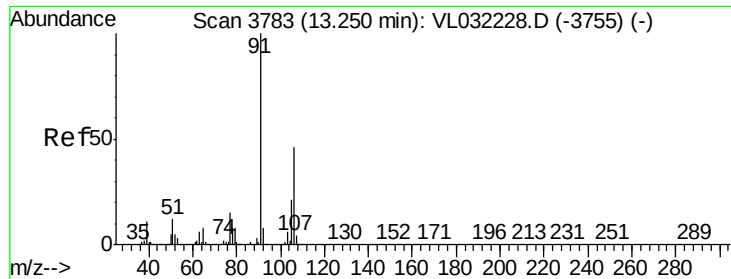
#58
Ethyl Benzene
Concen: 7.772 ppbv
RT: 12.96 min Scan# 3693
Delta R.T. 0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

Tgt Ion: 91 Resp: 7015263
Ion Ratio Lower Upper
91 100
106 30.6 24.5 36.7



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

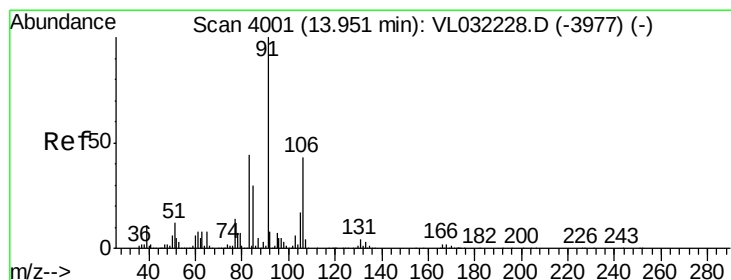
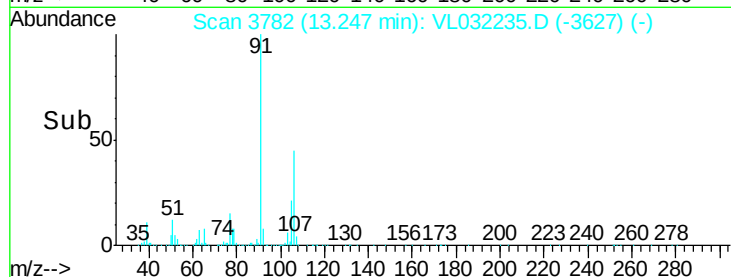
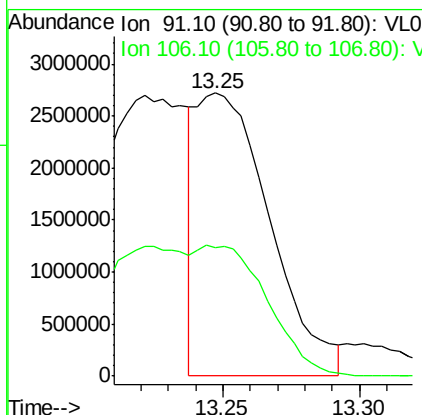
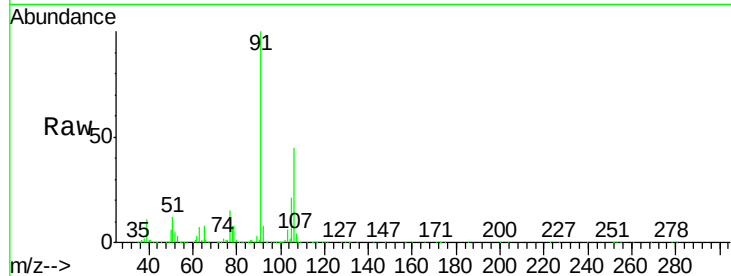




#59
m/p-Xylene
Concen: 6.807 ppbv
RT: 13.25 min Scan# 3782
Delta R.T. -0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

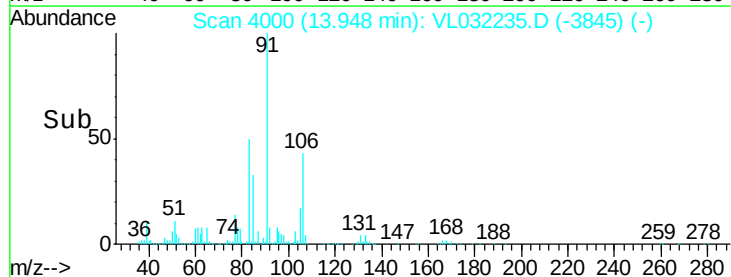
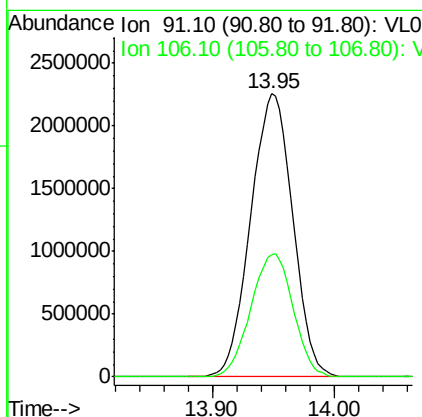
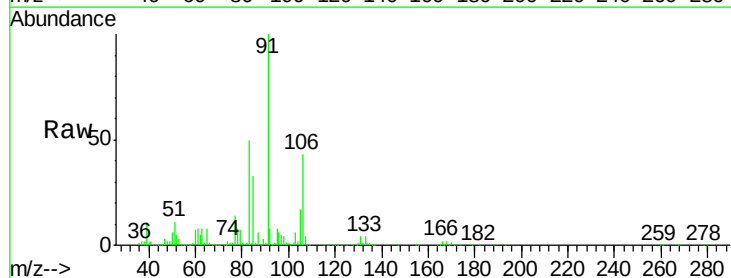
Instrument :
MSVOA_L
ClientSampleId :
ICVVL071218

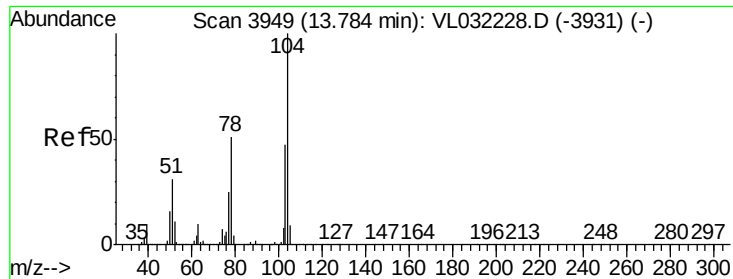
Tgt Ion: 91 Resp: 5055156
Ion Ratio Lower Upper
91 100
106 101.7 36.4 54.6#



#60
o-Xylene
Concen: 7.349 ppbv
RT: 13.95 min Scan# 4000
Delta R.T. -0.00 min
Lab File: VL032235.D
Acq: 13 Jul 2018 00:11

Tgt Ion: 91 Resp: 5385227
Ion Ratio Lower Upper
91 100
106 43.6 21.9 65.5





#61

Styrene

Concen: 8.122 ppbv

RT: 13.78 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071218

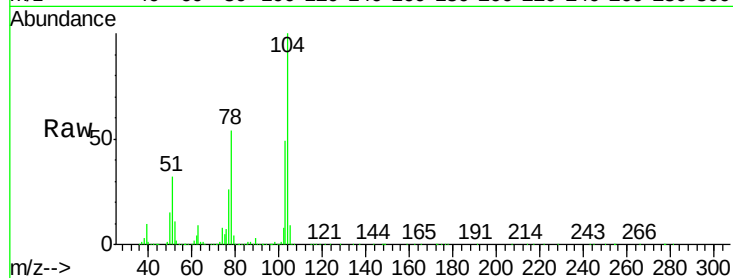
Tgt Ion:104 Resp: 4459767

Ion Ratio Lower Upper

104 100

78 54.3 43.4 65.0

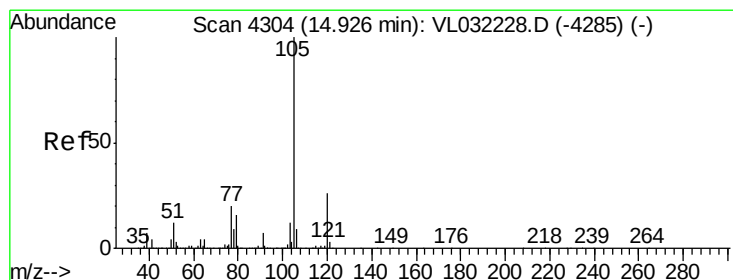
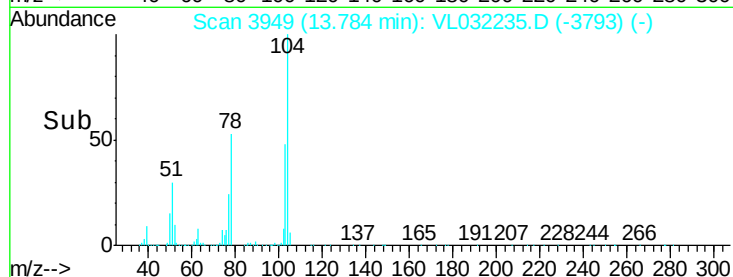
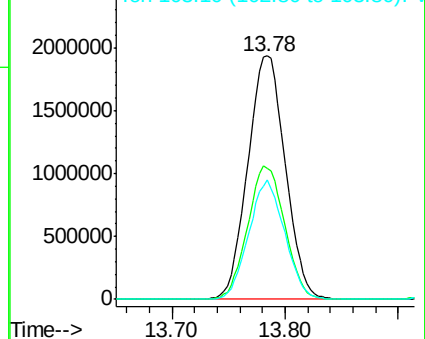
103 47.0 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.333 ppbv

RT: 14.92 min Scan# 4303

Delta R.T. -0.00 min

Lab File: VL032235.D

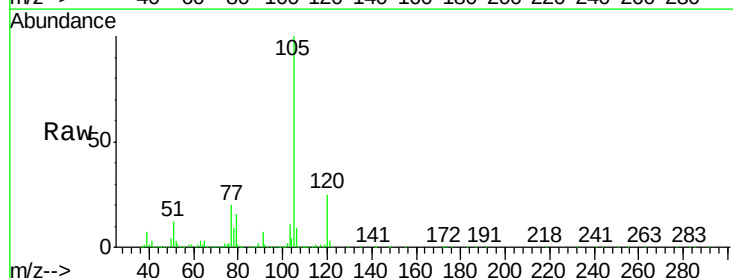
Acq: 13 Jul 2018 00:11

Tgt Ion:105 Resp: 7534506

Ion Ratio Lower Upper

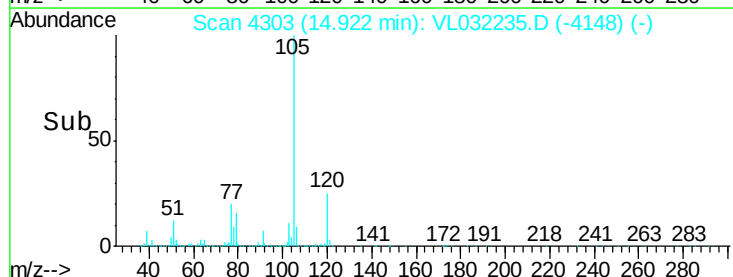
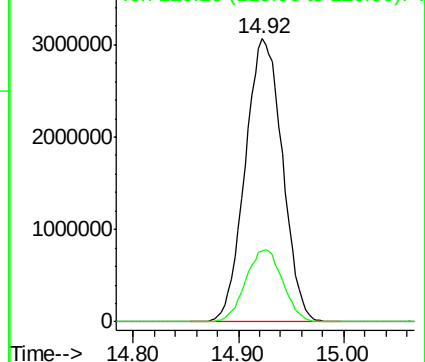
105 100

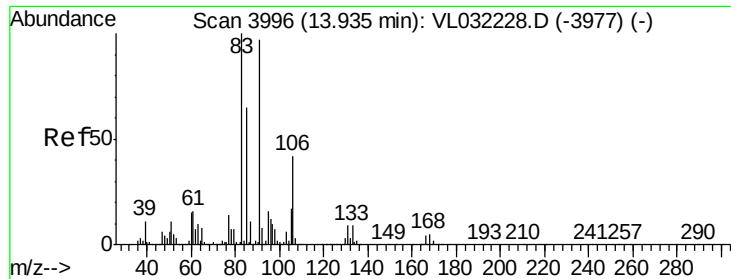
120 25.3 20.2 30.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

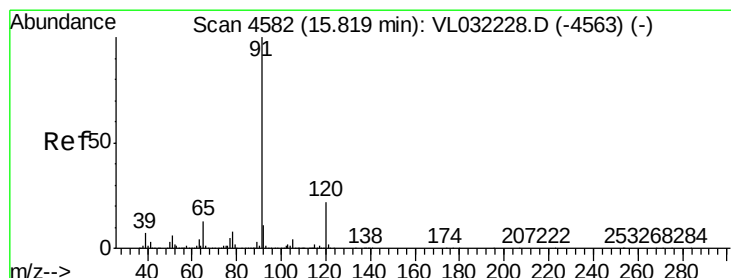
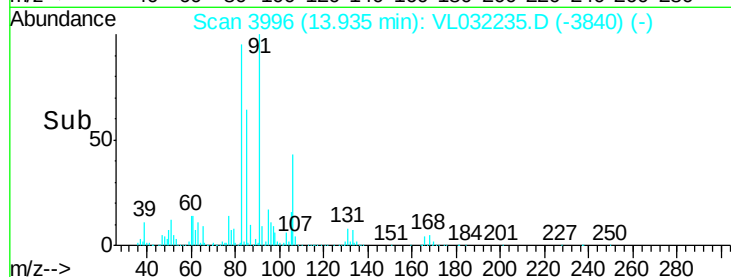
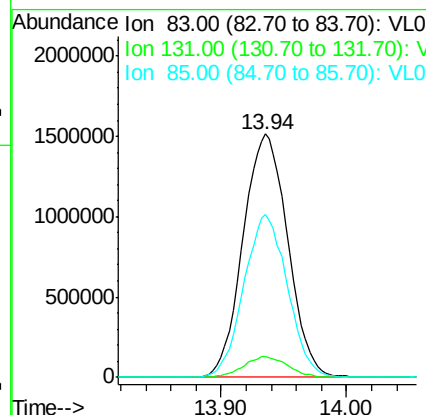
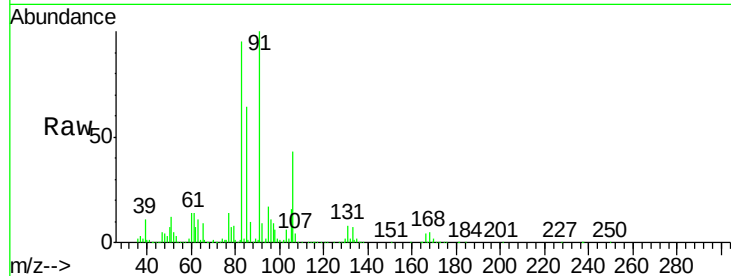




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.266 ppbv
 RT: 13.94 min Scan# 3996
 Delta R.T. 0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

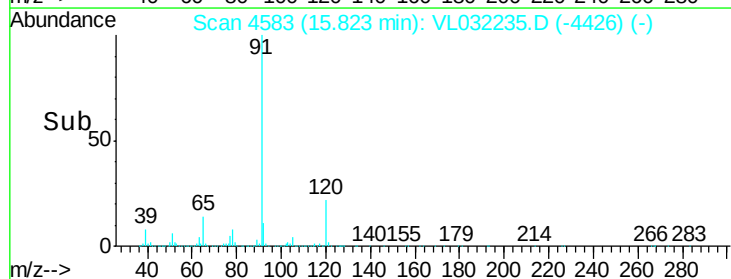
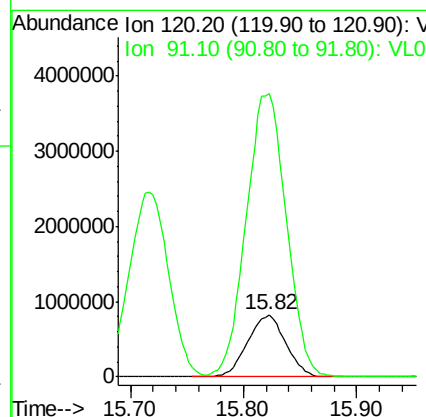
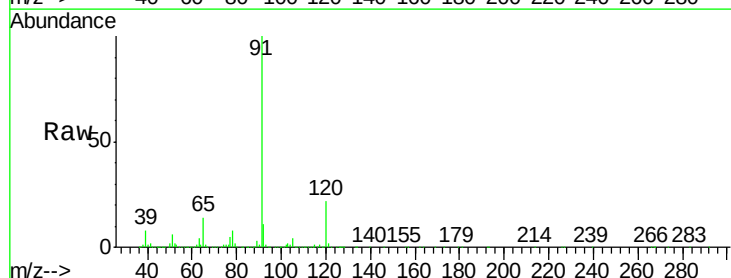
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071218

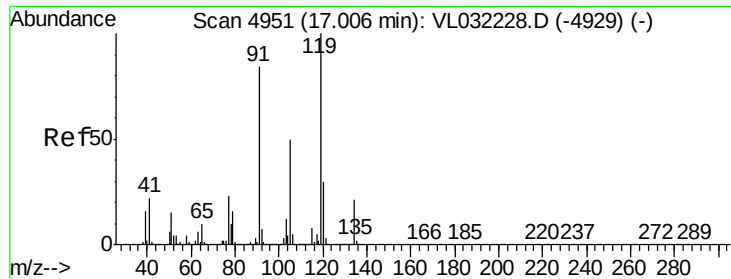
Tgt Ion: 83 Resp: 3735405
 Ion Ratio Lower Upper
 83 100
 131 8.5 4.3 12.8
 85 65.7 32.5 97.5



#64
 n-propylbenzene
 Concen: 7.401 ppbv
 RT: 15.82 min Scan# 4583
 Delta R.T. 0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

Tgt Ion: 120 Resp: 1925202
 Ion Ratio Lower Upper
 120 100
 91 481.8 385.0 577.4

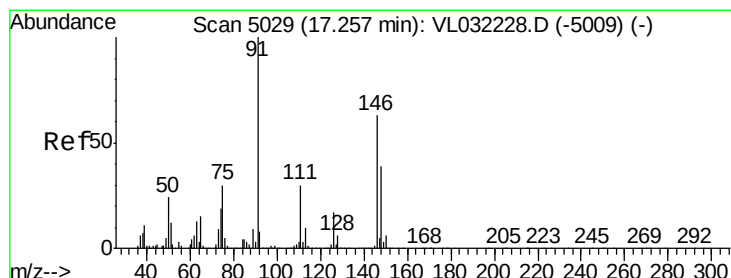
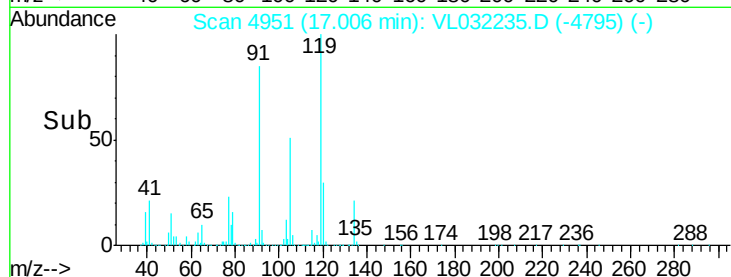
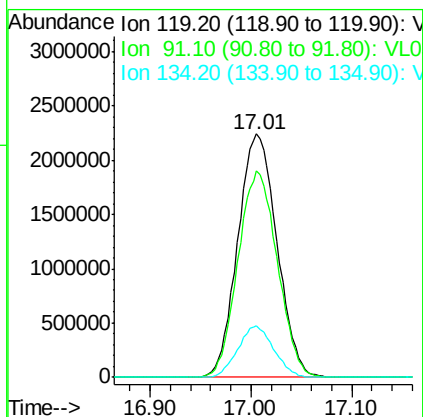
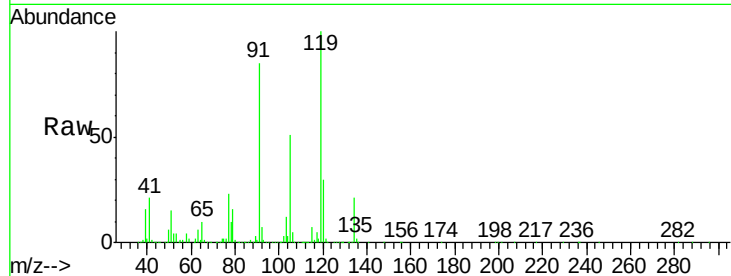




#65
 tert-Butylbenzene
 Concen: 6.996 ppbv
 RT: 17.01 min Scan# 4951
 Delta R.T. 0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

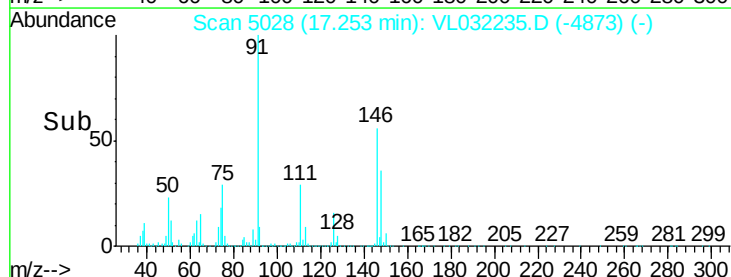
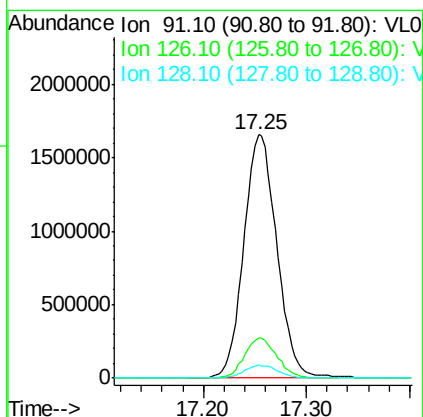
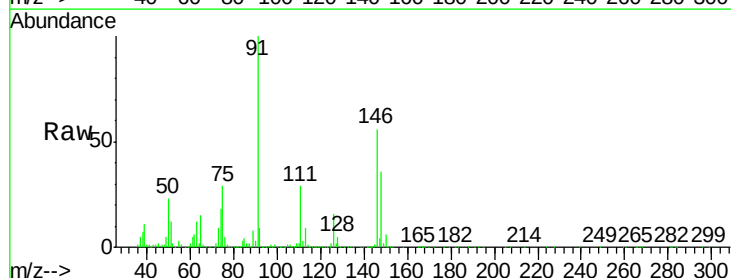
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071218

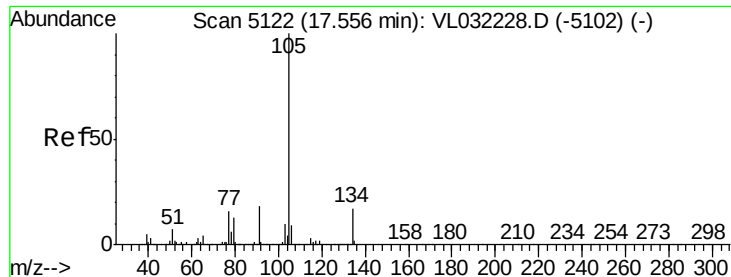
Tgt Ion: 119 Resp: 6022211
 Ion Ratio Lower Upper
 119 100
 91 85.7 68.6 102.8
 134 19.5 15.4 23.2



#66
 Benzyl Chloride
 Concen: 8.447 ppbv
 RT: 17.25 min Scan# 5028
 Delta R.T. -0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

Tgt Ion: 91 Resp: 3679576
 Ion Ratio Lower Upper
 91 100
 126 16.3 13.4 20.0
 128 5.3 4.5 6.7





#67

sec-Butylbenzene

Concen: 7.183 ppbv

RT: 17.56 min Scan# 5123

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

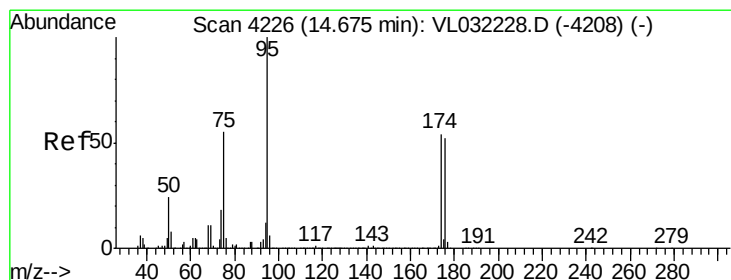
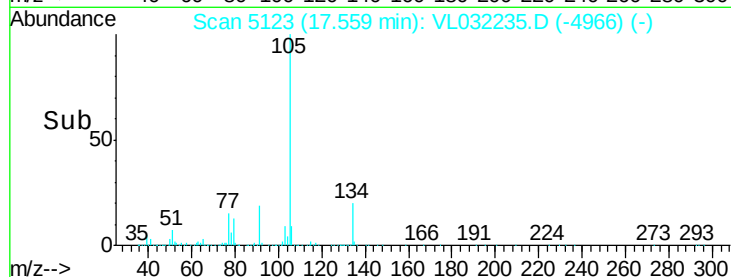
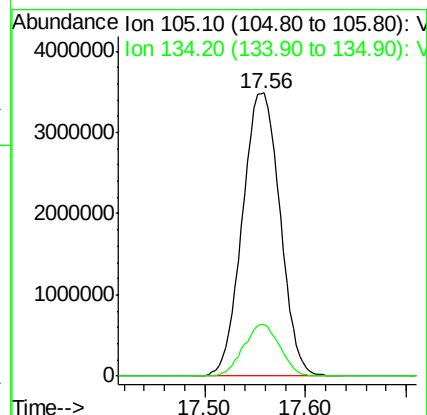
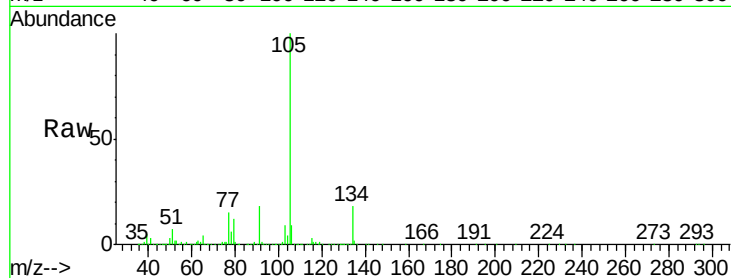
ICVVL071218

Tgt Ion:105 Resp: 9032667

Ion Ratio Lower Upper

105 100

134 17.7 14.2 21.2



#68

1-Bromo-4-Fluorobenzene

Concen: 8.320 ppbv

RT: 14.67 min Scan# 4226

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

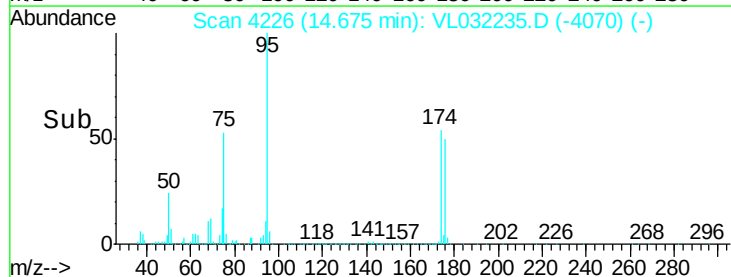
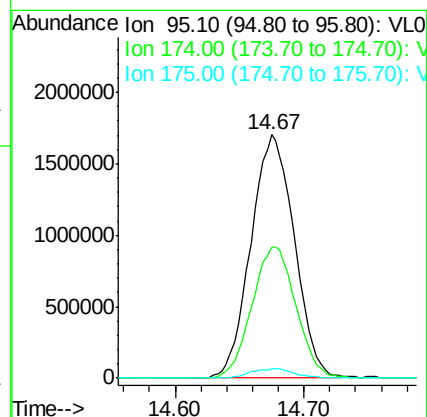
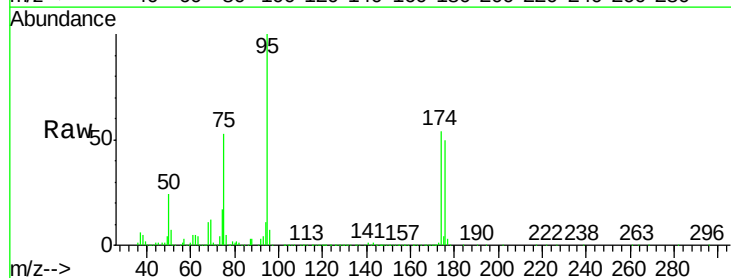
Tgt Ion: 95 Resp: 3991893

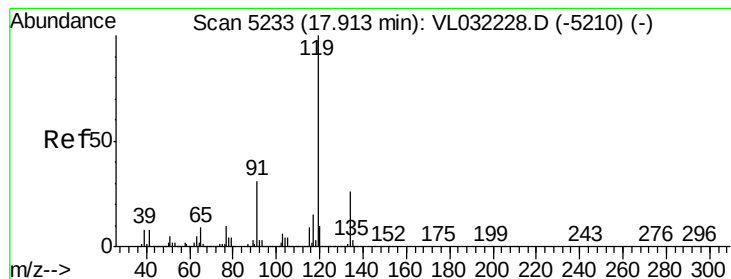
Ion Ratio Lower Upper

95 100

174 54.9 44.6 67.0

175 4.0 3.3 4.9





#69

p-Isopropyltoluene

Concen: 7.264 ppbv

RT: 17.91 min Scan# 5233

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071218

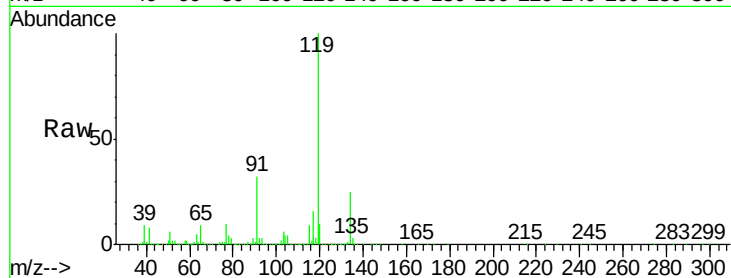
Tgt Ion: 119 Resp: 7113573

Ion Ratio Lower Upper

119 100

134 25.3 20.1 30.1

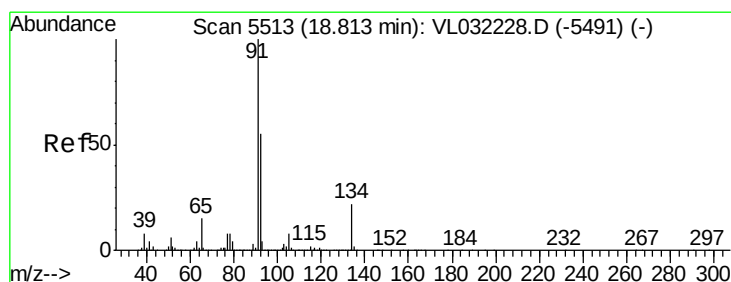
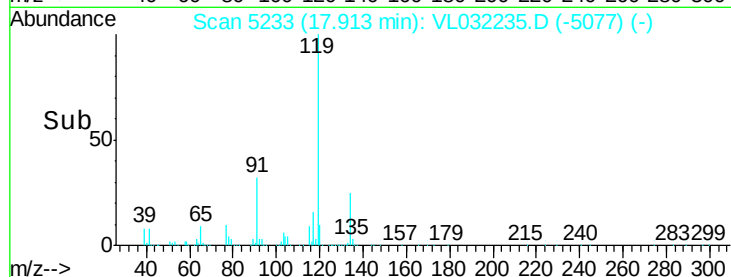
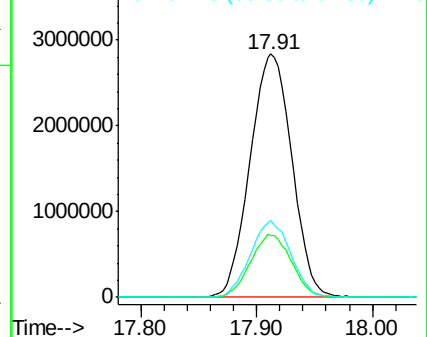
91 30.5 24.2 36.2



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 7.168 ppbv

RT: 18.81 min Scan# 5512

Delta R.T. -0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

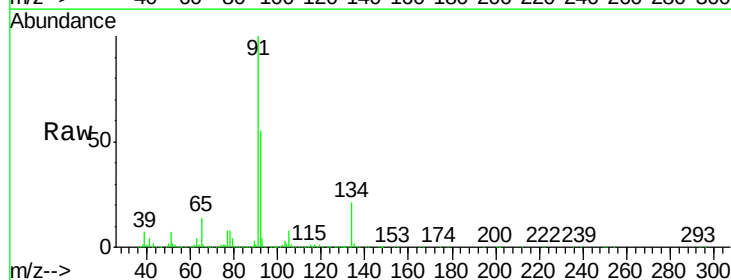
Tgt Ion: 91 Resp: 7754213

Ion Ratio Lower Upper

91 100

92 54.9 43.6 65.4

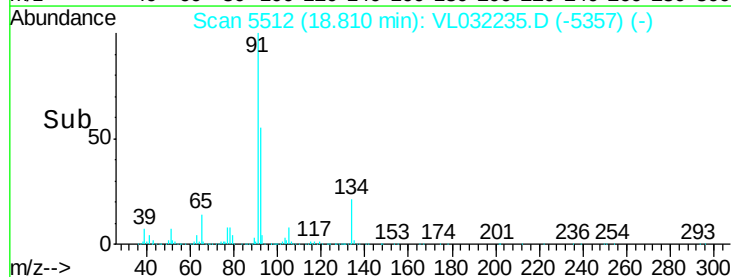
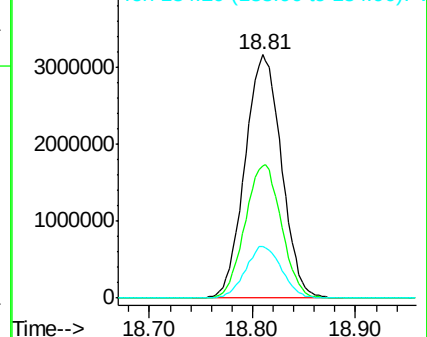
134 21.1 17.1 25.7

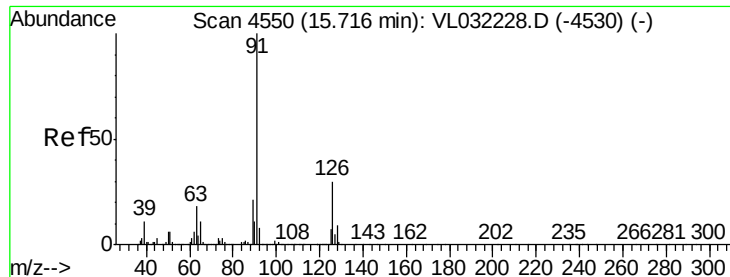


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.350 ppbv

RT: 15.72 min Scan# 4550

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

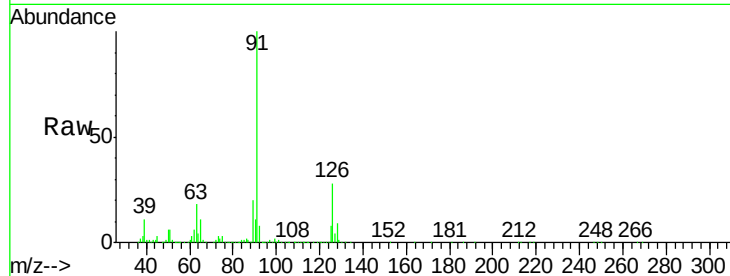
ICVVL071218

Tgt Ion: 91 Resp: 5943335

Ion Ratio Lower Upper

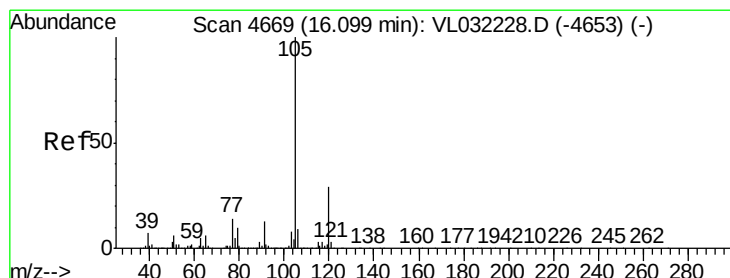
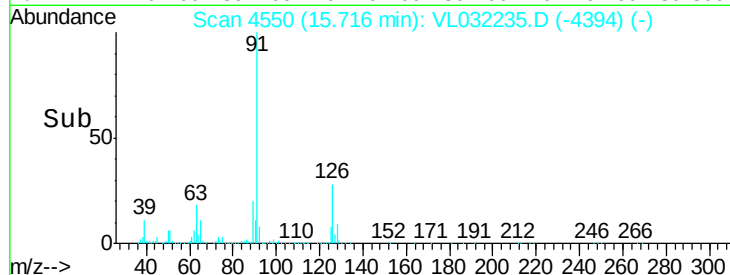
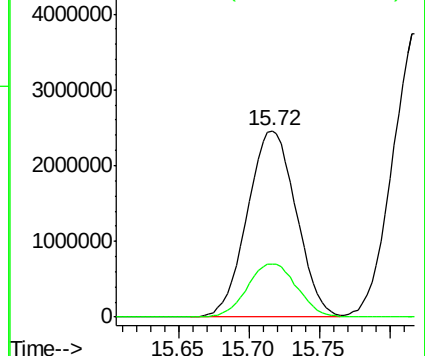
91 100

126 29.0 11.7 46.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.531 ppbv

RT: 16.10 min Scan# 4669

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Tgt Ion: 105 Resp: 6192248

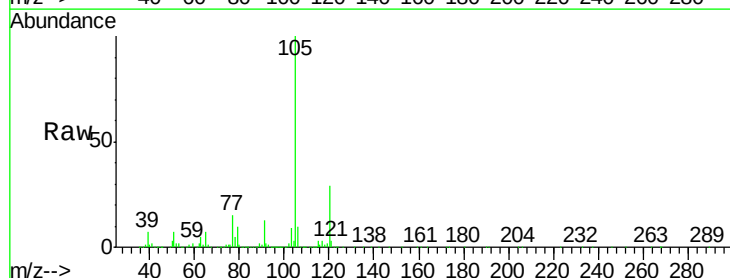
Ion Ratio Lower Upper

105 100

120 29.1 23.3 34.9

91 12.8 10.3 15.5

77 14.2 11.5 17.3

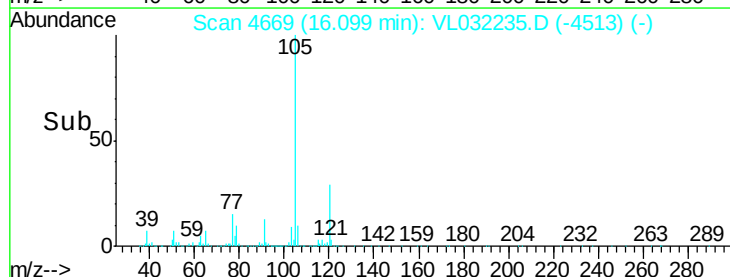
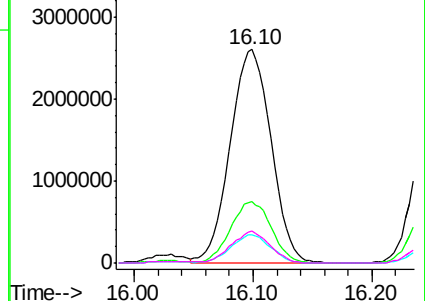


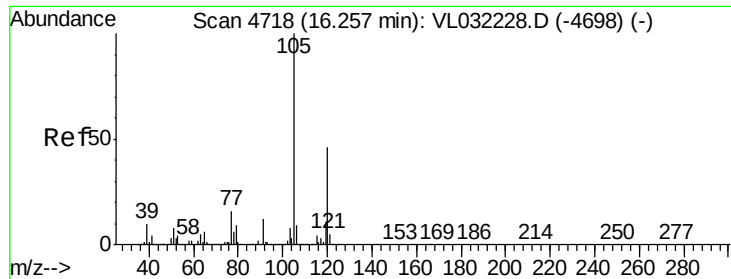
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 7.670 ppbv

RT: 16.25 min Scan# 4717

Delta R.T. -0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

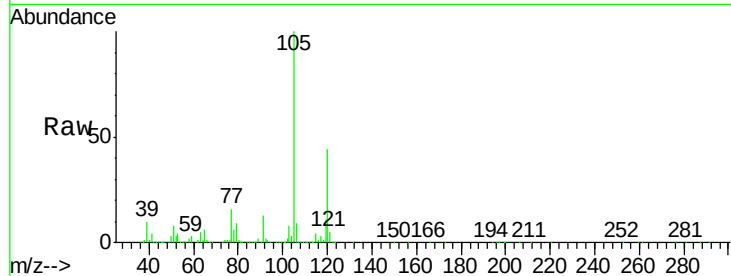
ICVVL071218

Tgt Ion:105 Resp: 5864196

Ion Ratio Lower Upper

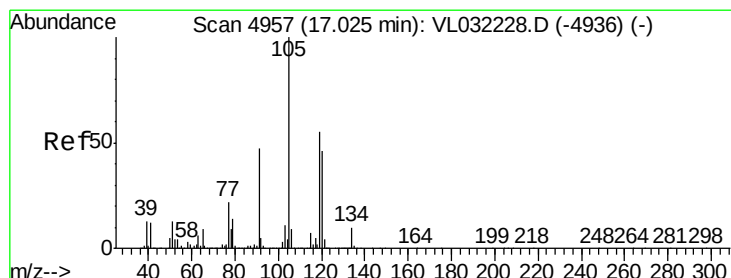
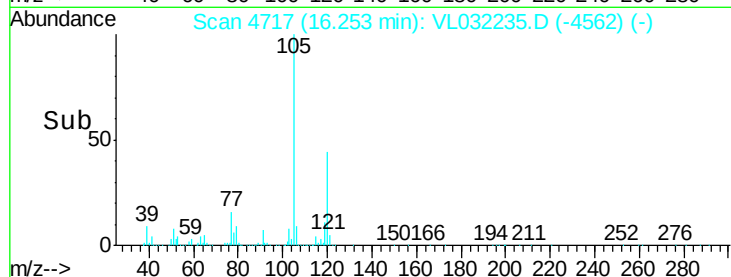
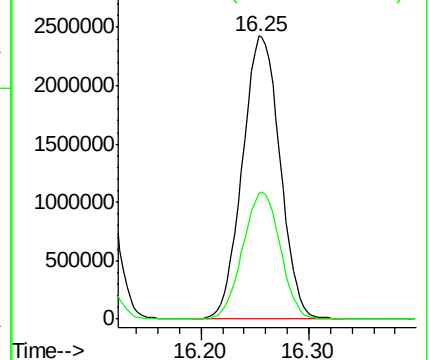
105 100

120 44.3 36.6 54.8



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: 7.224 ppbv

RT: 17.03 min Scan# 4957

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Tgt Ion:105 Resp: 5648035

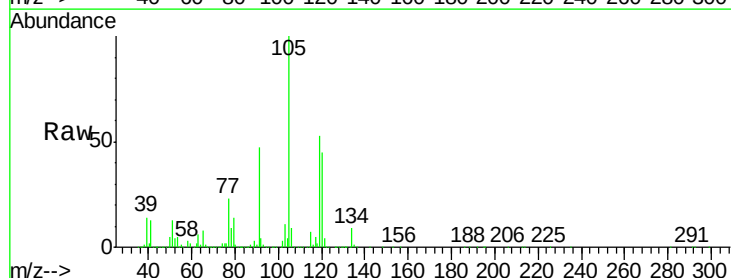
Ion Ratio Lower Upper

105 100

120 45.4 37.0 55.4

91 47.1 38.2 57.2

77 22.6 17.7 26.5

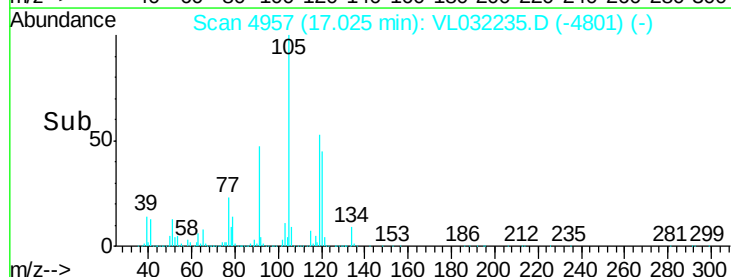
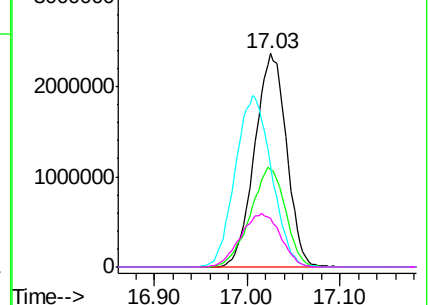


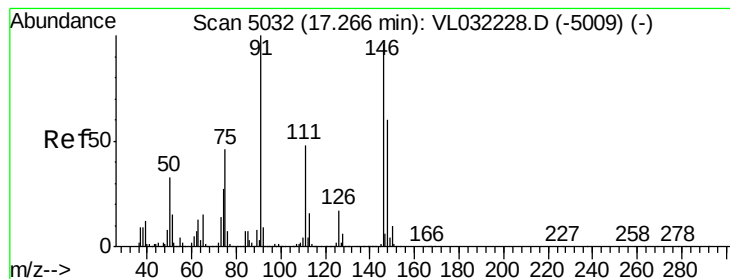
Abundance Ion 105.10 (104.80 to 105.80): V

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: 6.409 ppbv

RT: 17.27 min Scan# 5032

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071218

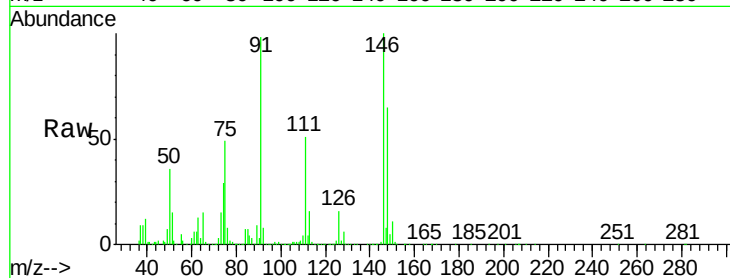
Tgt Ion:146 Resp: 2989219

Ion Ratio Lower Upper

146 100

111 49.7 24.9 74.7

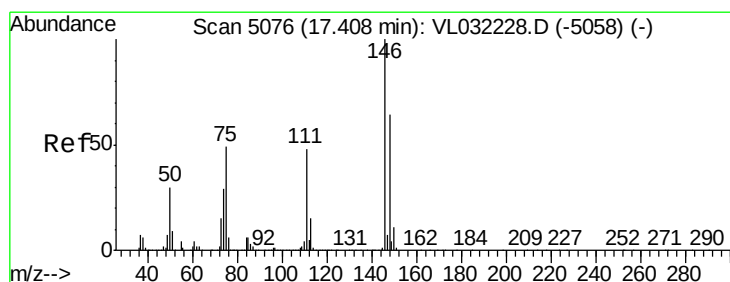
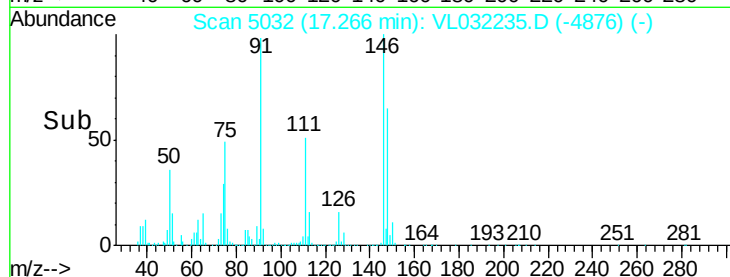
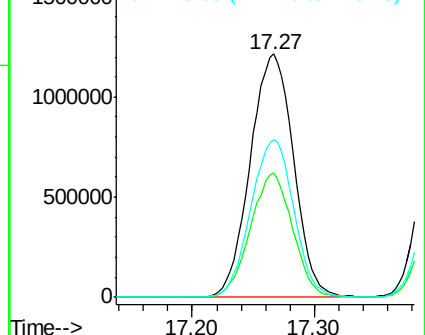
148 64.3 31.9 95.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 6.702 ppbv

RT: 17.41 min Scan# 5076

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

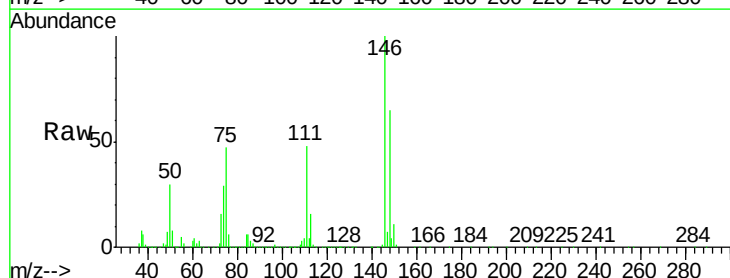
Tgt Ion:146 Resp: 3061293

Ion Ratio Lower Upper

146 100

111 48.8 24.6 73.6

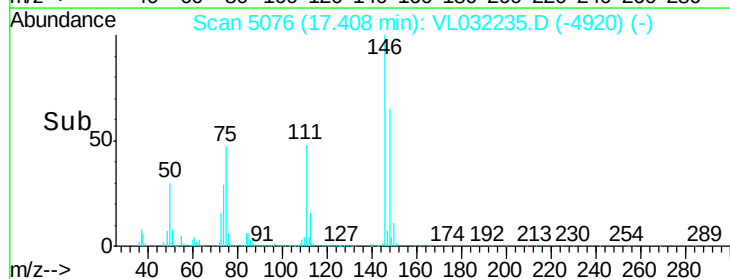
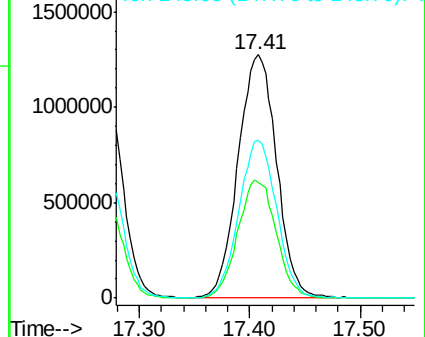
148 64.2 32.3 96.9

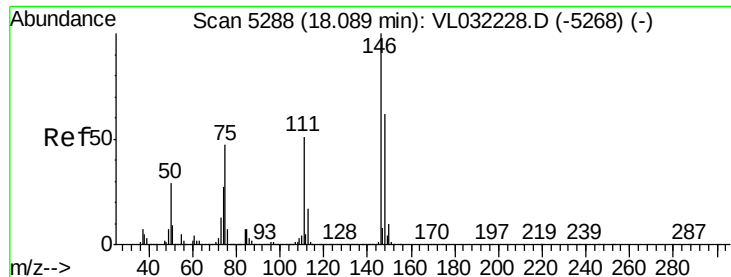


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

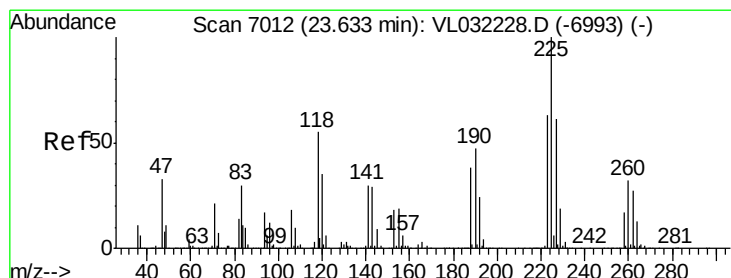
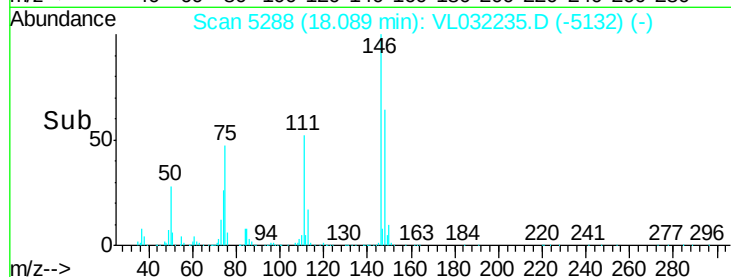
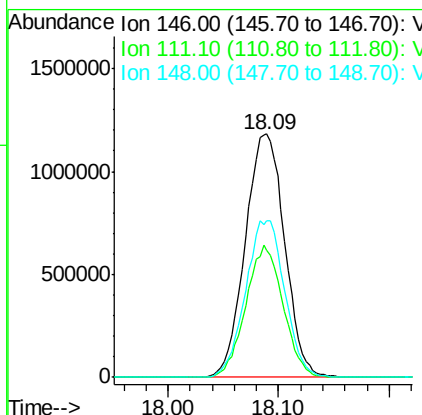
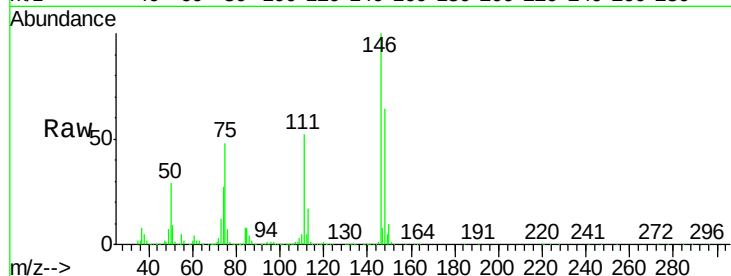




#77
 1,2-Dichlorobenzene
 Concen: 6.321 ppbv
 RT: 18.09 min Scan# 5288
 Delta R.T. 0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

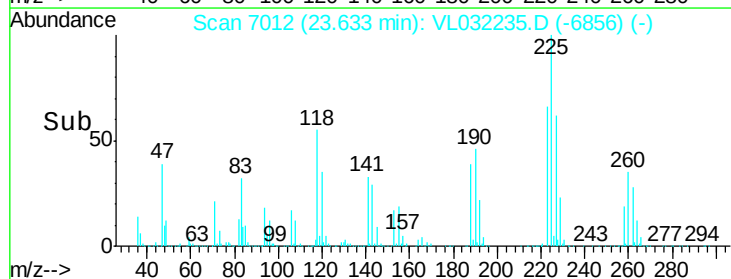
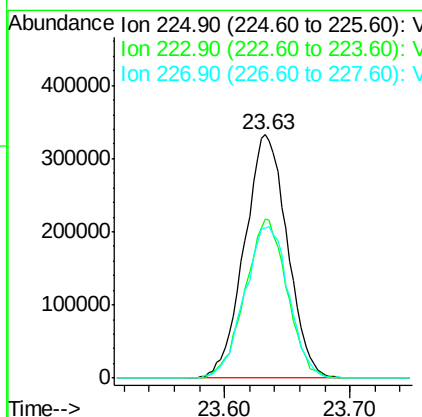
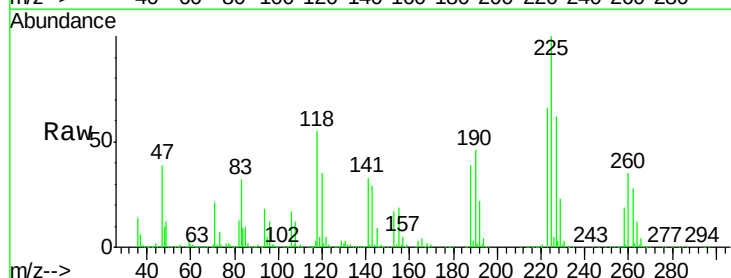
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071218

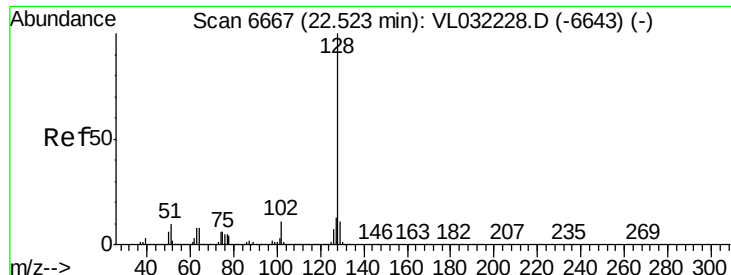
Tgt Ion:146 Resp: 2929679
 Ion Ratio Lower Upper
 146 100
 111 51.6 26.1 78.3
 148 64.3 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 5.477 ppbv
 RT: 23.63 min Scan# 7012
 Delta R.T. 0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

Tgt Ion:225 Resp: 791288
 Ion Ratio Lower Upper
 225 100
 223 64.0 50.3 75.5
 227 64.2 50.9 76.3





#79

Naphthalene

Concen: 8.706 ppbv

RT: 22.53 min Scan# 6668

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071218

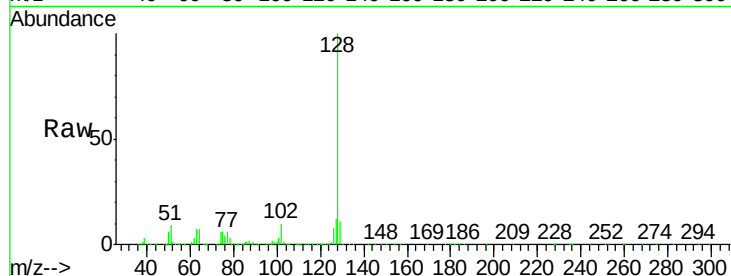
Tgt Ion:128 Resp: 4569017

Ion Ratio Lower Upper

128 100

127 12.1 10.0 15.0

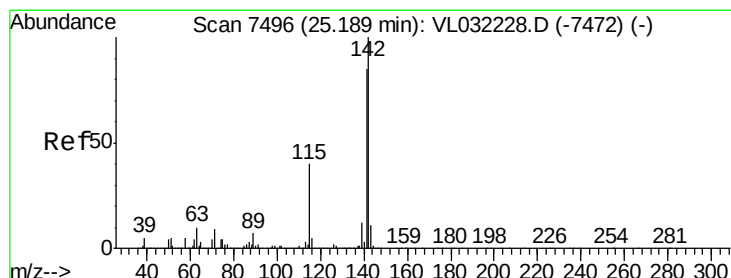
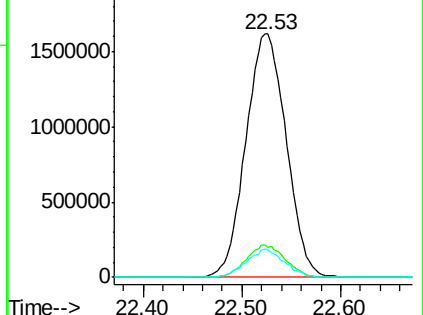
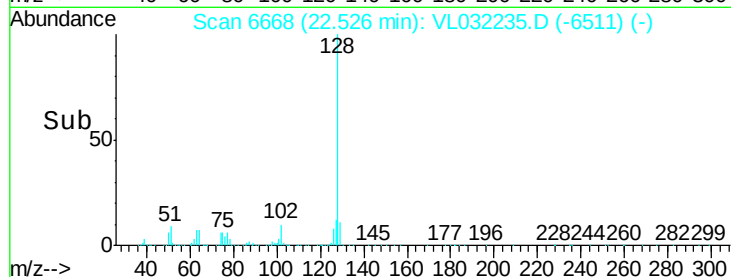
129 11.1 9.0 13.4



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: 14.633 ppbv

RT: 25.19 min Scan# 7496

Delta R.T. 0.00 min

Lab File: VL032235.D

Acq: 13 Jul 2018 00:11

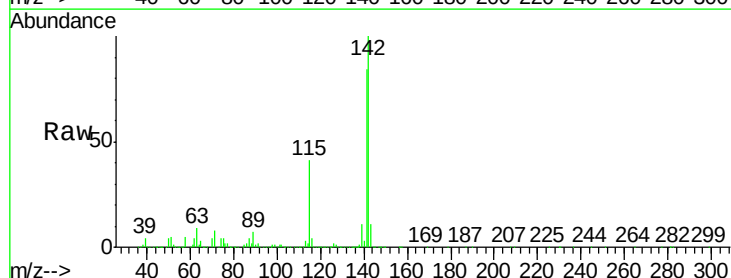
Tgt Ion:142 Resp: 2453630

Ion Ratio Lower Upper

142 100

141 83.7 67.0 100.6

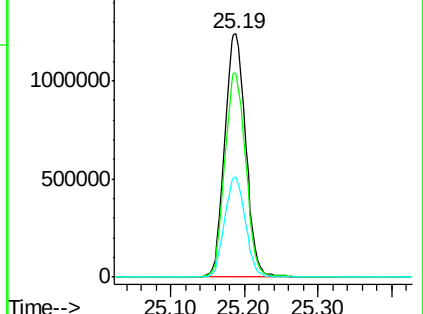
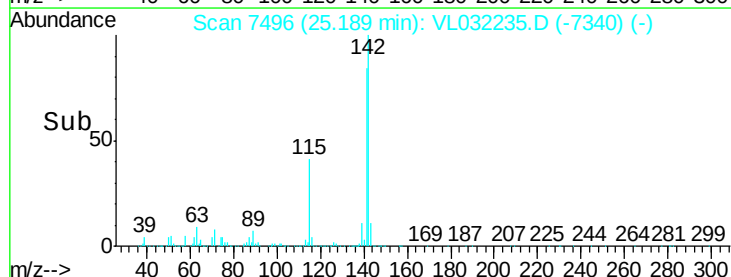
115 40.7 32.6 49.0

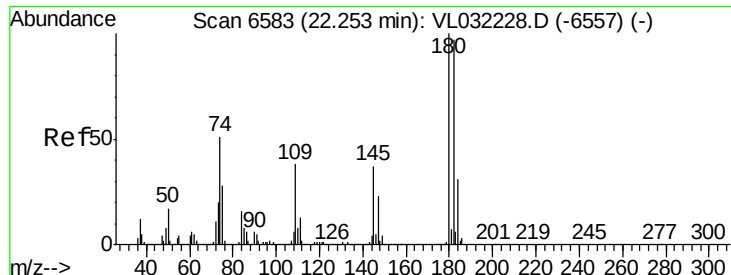


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

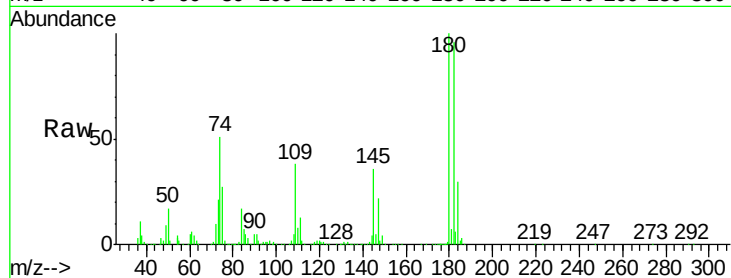




#81
 1,2,4-Trichlorobenzene
 Concen: 8.045 ppbv
 RT: 22.25 min Scan# 6582
 Delta R.T. -0.00 min
 Lab File: VL032235.D
 Acq: 13 Jul 2018 00:11

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071218

Tgt Ion:180 Resp: 2112886
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.1 114.1
 184 30.4 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

