

Data File : VL032245.D
Acq On : 13 Jul 2018 12:37
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL071318

Quant Time: Jul 13 15:13:57 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	1589488	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3852079	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	5348255	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3429646	8.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.13	85	1855603	8.109	ppbv	99
3) Chlorodifluoromethane	3.06	51	1700527	8.706	ppbv	100
4) Chloromethane	3.22	50	928351	8.355	ppbv	98
5) Vinyl Chloride	3.34	62	966472	8.829	ppbv	100
6) Bromomethane	3.57	94	537058	8.812	ppbv	99
7) Chloroethane	3.66	64	341472	9.058	ppbv	98
8) Dichlorotetrafluoroethane	3.27	85	1904120	7.576	ppbv	99
9) Propene	3.09	41	730335	8.771	ppbv	100
10) Heptane	8.34	43	2335822	9.878	ppbv	99
11) Trichlorofluoromethane	4.07	101	2008623	9.175	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1263717	9.037	ppbv	99
13) Ethanol	3.71	45	186781	7.772	ppbv	97
14) Bromoethene	3.85	108	610948	9.262	ppbv	100
15) Acetone	3.96	43	1563496	8.477	ppbv	100
16) 1,3-Butadiene	3.42	39	797063	8.552	ppbv	93
17) tert-Butyl alcohol	4.42	59	756583	8.785	ppbv	99
18) 1,1-Dichloroethene	4.42	96	614694	9.446	ppbv	95
19) Isopropyl Alcohol	4.09	45	1273348	10.514	ppbv	100
20) Methylene Chloride	4.48	84	564192	9.026	ppbv	99
21) Allyl Chloride	4.55	41	1089771	10.092	ppbv	100
22) trans-1,2-Dichloroethene	5.04	96	660360	10.661	ppbv	95
23) Vinyl Acetate	5.23	43	3124921	10.187	ppbv	99
24) 1,1-Dichloroethane	5.17	63	2125893	9.870	ppbv	99
25) Ethyl Acetate	5.85	43	3499230	9.587	ppbv	100
26) Hexane	5.86	57	1601410	9.618	ppbv	99
27) Carbon Disulfide	4.69	76	1525181	10.238	ppbv	100
28) Methyl tert-Butyl Ether	5.19	73	2718955	10.375	ppbv	99
29) Chloroform	5.93	83	2397243	9.326	ppbv	98
30) Cyclohexane	7.33	84	1491653	10.152	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1671423	10.059	ppbv	97
32) 1,1,1-Trichloroethane	6.70	97	2611398	10.470	ppbv	100
34) 2-Butanone	5.40	43	2516224	9.587	ppbv	100
35) Carbon Tetrachloride	7.22	117	2554825	9.800	ppbv	99
36) Benzene	7.09	78	3718518	9.713	ppbv	99
37) 1,2-Dichloroethane	6.50	62	2122074	10.125	ppbv	100
38) Trichloroethene	8.05	130	1106917	8.430	ppbv	99
39) 1,2-Dichloropropane	7.83	63	1431513	9.409	ppbv	99
40) 1,4-Dioxane	8.04	88	450459	8.635	ppbv #	95
41) Tetrahydrofuran	6.23	42	1564405	10.651	ppbv	99
42) Bromodichloromethane	8.01	83	2797852	9.375	ppbv	97
43) Methyl Methacrylate	8.23	69	1431677	9.678	ppbv	99

Data File : VL032245.D
Acq On : 13 Jul 2018 12:37
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL071318

Quant Time: Jul 13 15:13:57 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)
44) 2,2,4-Trimethylpentane	8.08	57	5788763	8.792	ppbv	99
45) t-1,3-Dichloropropene	9.51	75	1996605	11.332	ppbv	100
46) cis-1,3-Dichloropropene	8.93	75	2571560	10.701	ppbv	100
47) 1,1,2-Trichloroethane	9.71	97	1571623	9.249	ppbv	97
48) Dibromochloromethane	10.55	129	2435513	9.634	ppbv	100
49) Bromoform	13.30	173	2033920	10.036	ppbv	100
50) 4-Methyl-2-Pentanone	8.96	43	4416866	9.728	ppbv	100
51) 2-Hexanone	10.37	43	3551950	9.367	ppbv	100
52) Tetrachloroethene	11.47	164	1212239	8.570	ppbv	97
53) Toluene	10.04	91	4488233	9.916	ppbv	99
54) 1,2-Dibromoethane	10.86	107	2444831	9.746	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.38	131	1726060	7.430	ppbv	99
57) Chlorobenzene	12.40	112	3246948	7.183	ppbv	98
58) Ethyl Benzene	12.96	91	6118828	7.857	ppbv	98
59) m/p-Xylene	13.25	91	4764185	7.435	ppbv #	28
60) o-Xylene	13.95	91	4733673	7.486	ppbv	100
61) Styrene	13.78	104	3894102	8.219	ppbv	99
62) Isopropylbenzene	14.93	105	6659389	7.511	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.94	83	3511094	6.826	ppbv	100
64) n-propylbenzene	15.82	120	1703906	7.592	ppbv	96
65) tert-Butylbenzene	17.01	119	5430265	7.312	ppbv	99
66) Benzyl Chloride	17.26	91	3704311	9.856	ppbv	99
67) sec-Butylbenzene	17.56	105	8190208	7.548	ppbv	99
69) p-Isopropyltoluene	17.91	119	6537953	7.738	ppbv	100
70) n-Butylbenzene	18.81	91	7344560	7.869	ppbv	99
71) 2-Chlorotoluene	15.72	91	5351931	7.670	ppbv	99
72) 4-Ethyltoluene	16.10	105	5675601	8.000	ppbv	99
73) 1,3,5-Trimethylbenzene	16.26	105	5367201	8.136	ppbv	98
74) 1,2,4-Trimethylbenzene	17.02	105	5222286	7.742	ppbv	99
75) 1,3-Dichlorobenzene	17.27	146	2875632	7.146	ppbv	99
76) 1,4-Dichlorobenzene	17.41	146	2947787	7.480	ppbv	99
77) 1,2-Dichlorobenzene	18.09	146	2885652	7.215	ppbv	100
78) Hexachloro-1,3-Butadiene	23.64	225	1700495	13.642	ppbv	100
79) Naphthalene	22.52	128	5062794	11.180	ppbv	98
80) Naphthalene,2-methyl-	25.19	142	2347903	16.229	ppbv	99
81) 1,2,4-Trichlorobenzene	22.25	180	2300192	10.150	ppbv	99

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

Data File : VL032245.D

Acq On : 13 Jul 2018 12:37

Operator : SY/AP

Sample : VSTDICV010

Misc : 400ml/MSVOA L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL071318

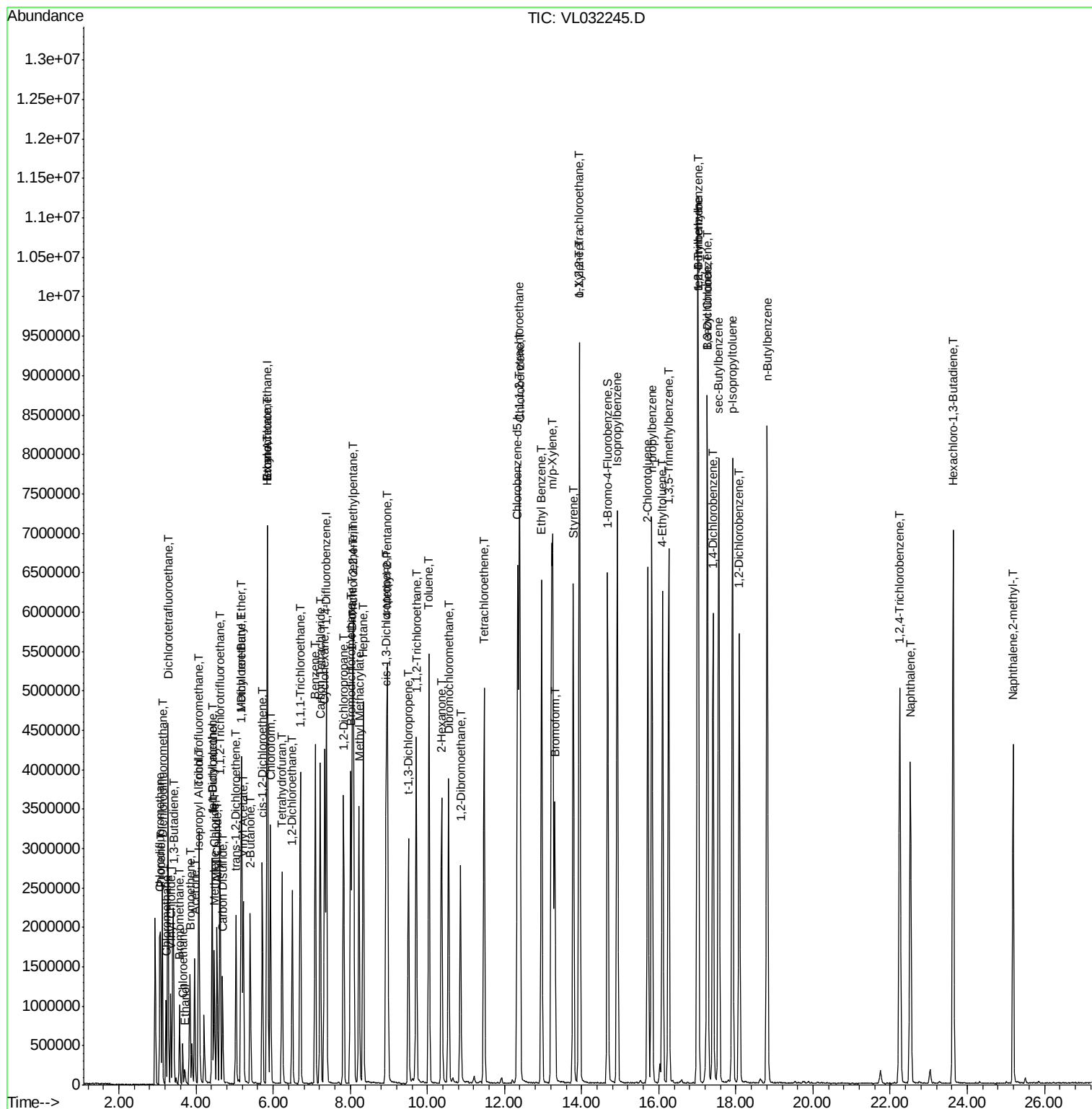
Quant Time: Jul 13 15:13:57 2018

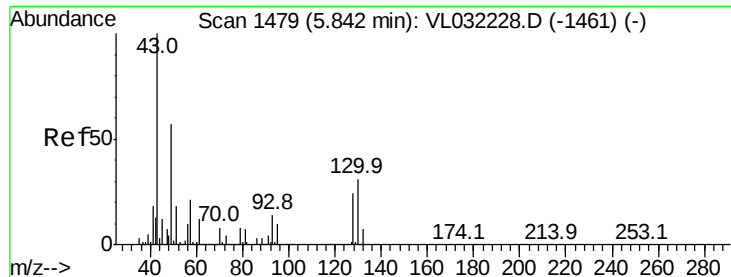
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL071218AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 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: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071318

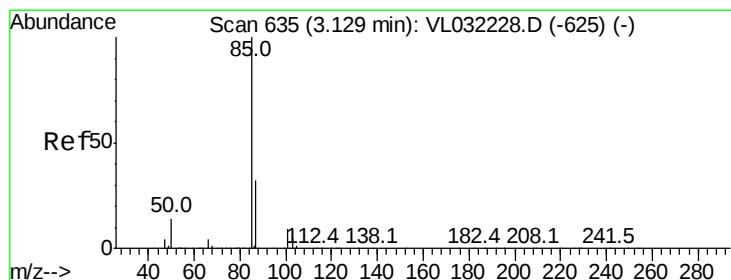
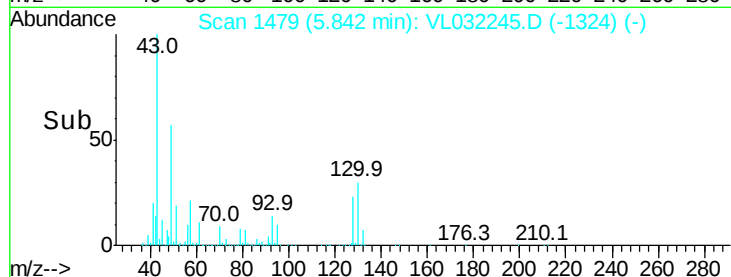
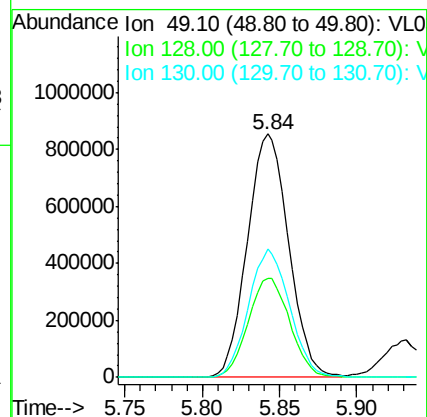
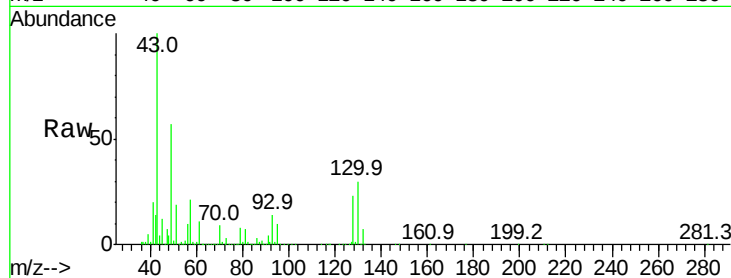
Tgt Ion: 49 Resp: 1589488

Ion Ratio Lower Upper

49 100

128 41.4 20.9 62.8

130 52.6 27.0 81.0



#2

Dichlorodifluoromethane

Concen: 8.109 ppbv

RT: 3.13 min Scan# 635

Delta R.T. -0.00 min

Lab File: VL032245.D

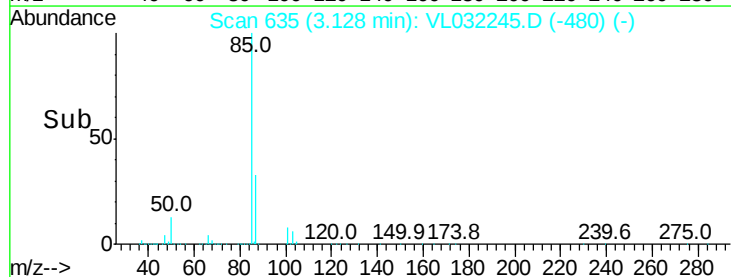
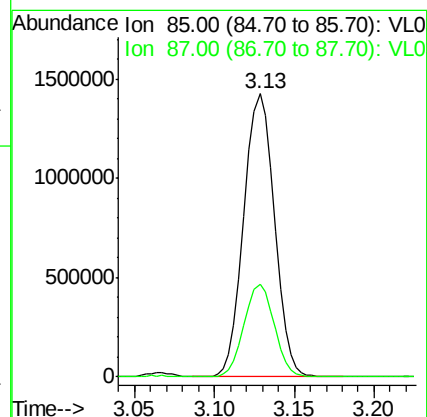
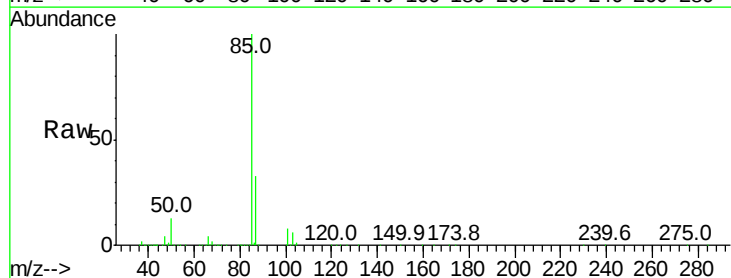
Acq: 13 Jul 2018 12:37

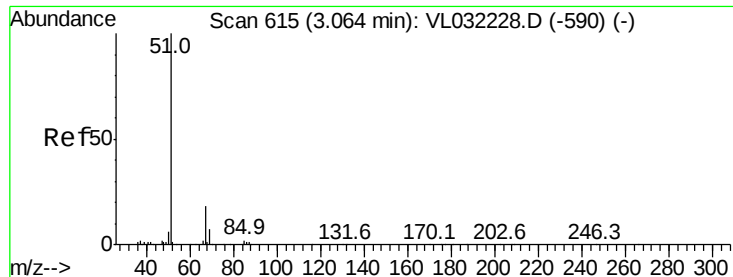
Tgt Ion: 85 Resp: 1855603

Ion Ratio Lower Upper

85 100

87 32.7 25.8 38.6





#3

Chlorodifluoromethane

Concen: 8.706 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

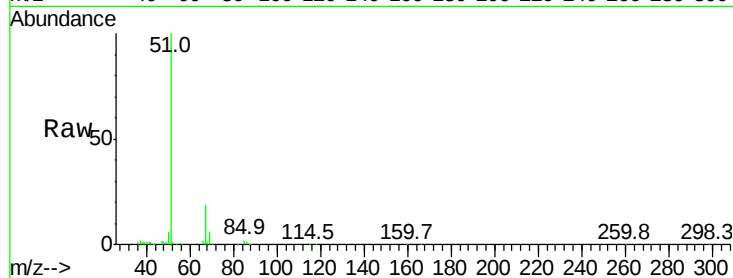
ICVVL071318

Tgt Ion: 51 Resp: 1700527

Ion Ratio Lower Upper

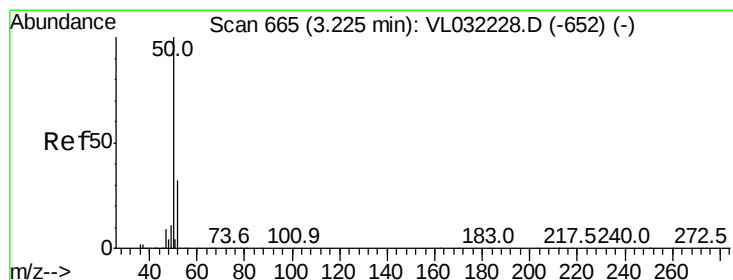
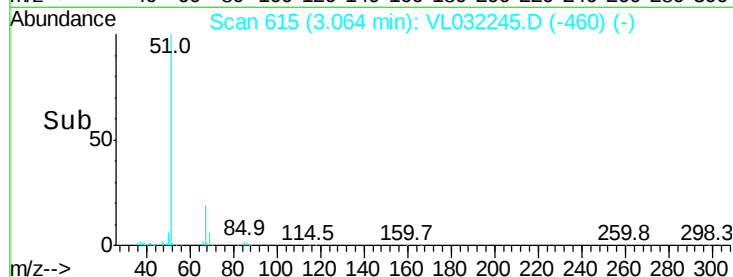
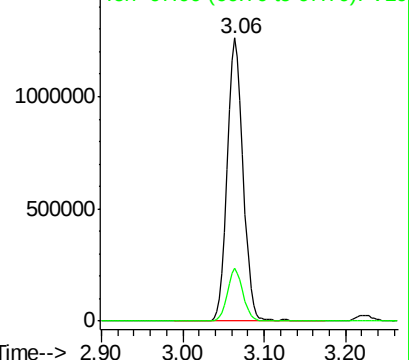
51 100

67 18.3 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: 8.355 ppbv

RT: 3.22 min Scan# 665

Delta R.T. -0.00 min

Lab File: VL032245.D

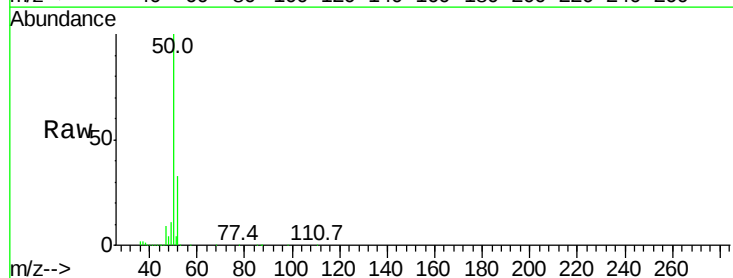
Acq: 13 Jul 2018 12:37

Tgt Ion: 50 Resp: 928351

Ion Ratio Lower Upper

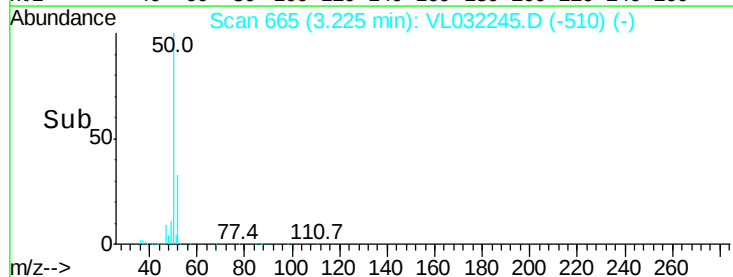
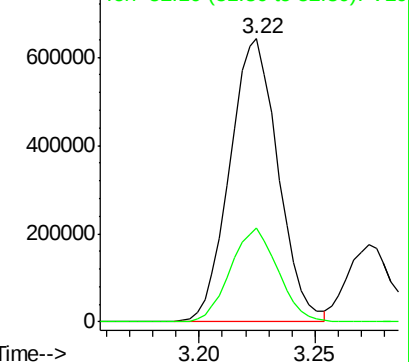
50 100

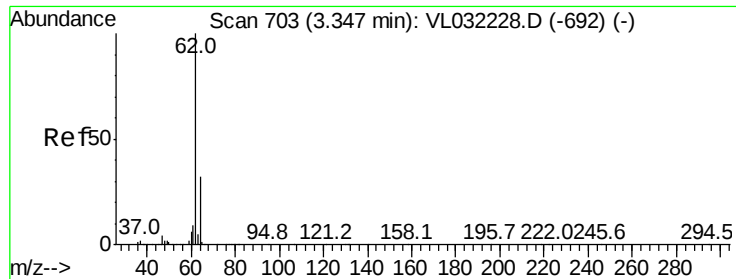
52 33.2 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.829 ppbv

RT: 3.34 min Scan# 702

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

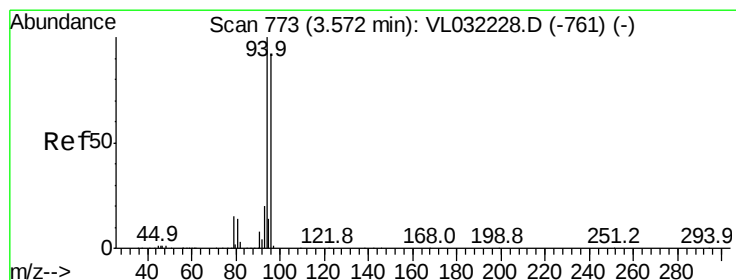
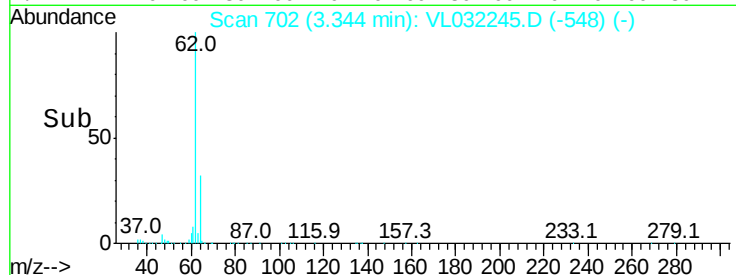
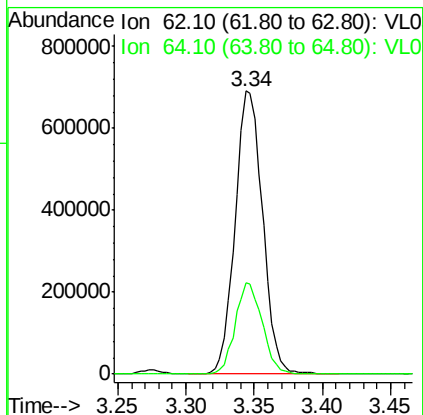
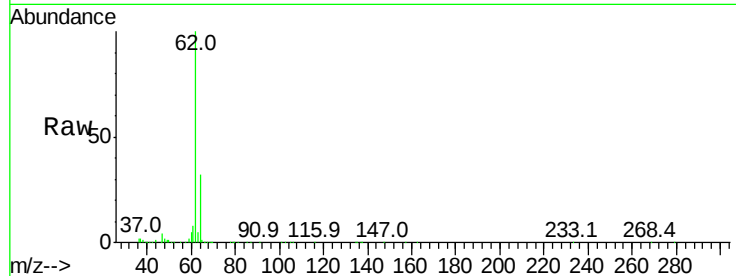
ICVVL071318

Tgt Ion: 62 Resp: 966472

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.6



#6

Bromomethane

Concen: 8.812 ppbv

RT: 3.57 min Scan# 773

Delta R.T. -0.00 min

Lab File: VL032245.D

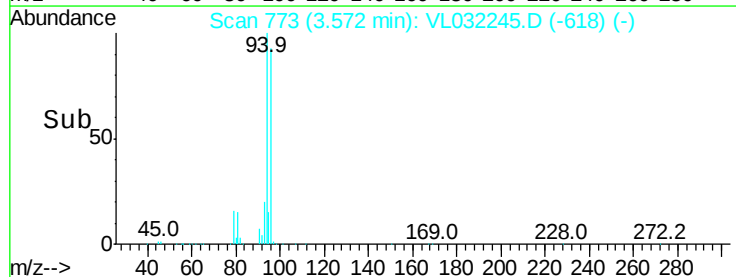
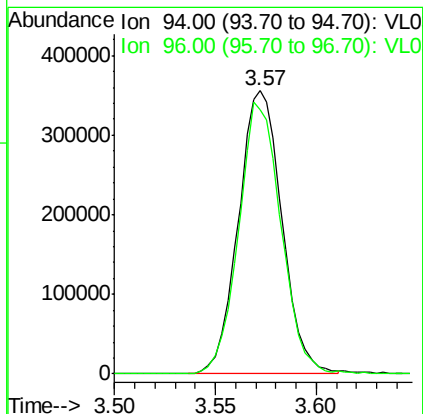
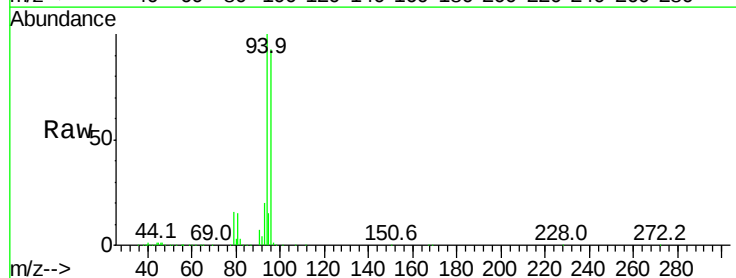
Acq: 13 Jul 2018 12:37

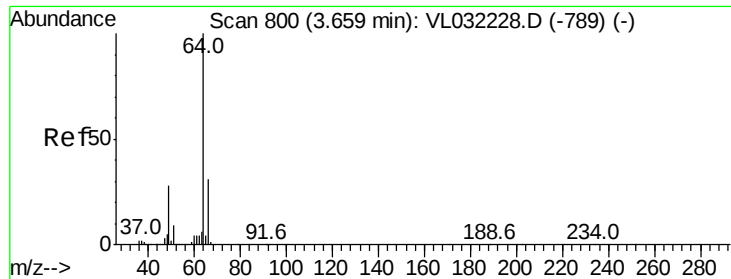
Tgt Ion: 94 Resp: 537058

Ion Ratio Lower Upper

94 100

96 93.3 73.5 110.3





#7

Chloroethane

Concen: 9.058 ppbv

RT: 3.66 min Scan# 800

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

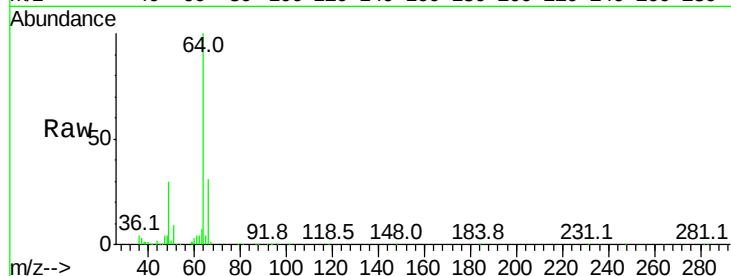
ICVVL071318

Tgt Ion: 64 Resp: 341472

Ion Ratio Lower Upper

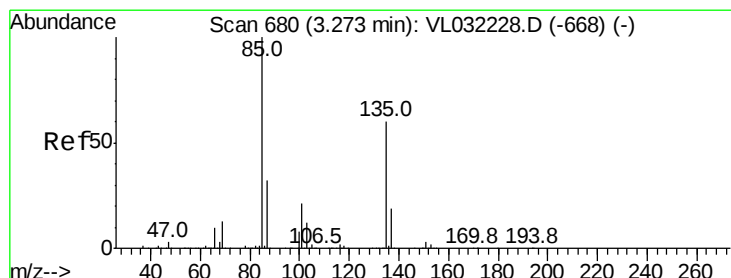
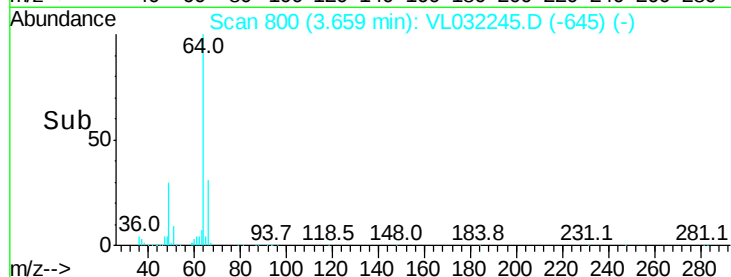
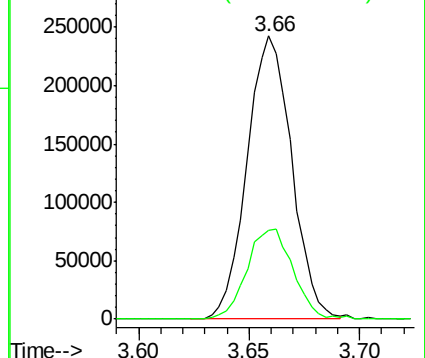
64 100

66 31.4 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: 7.576 ppbv

RT: 3.27 min Scan# 680

Delta R.T. -0.00 min

Lab File: VL032245.D

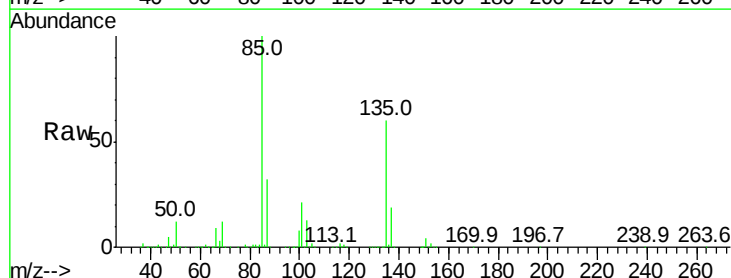
Acq: 13 Jul 2018 12:37

Tgt Ion: 85 Resp: 1904120

Ion Ratio Lower Upper

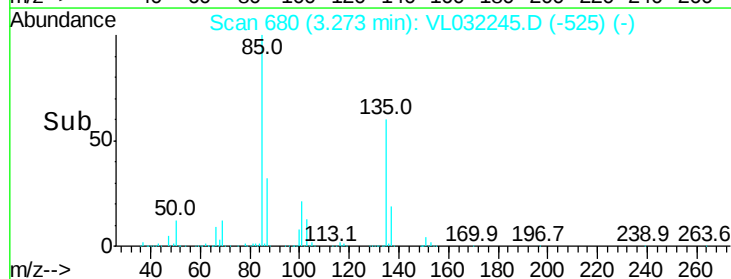
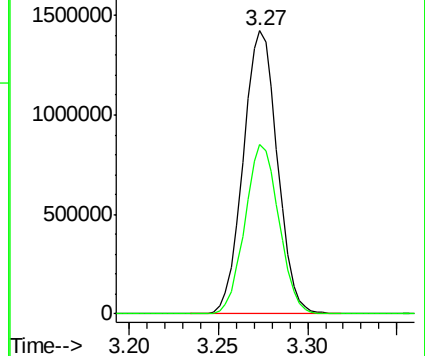
85 100

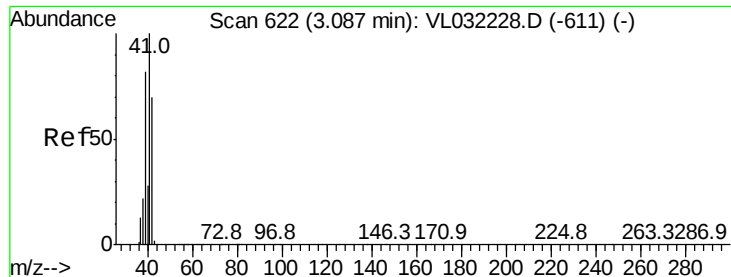
135 59.9 48.6 72.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.771 ppbv

RT: 3.09 min Scan# 622

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

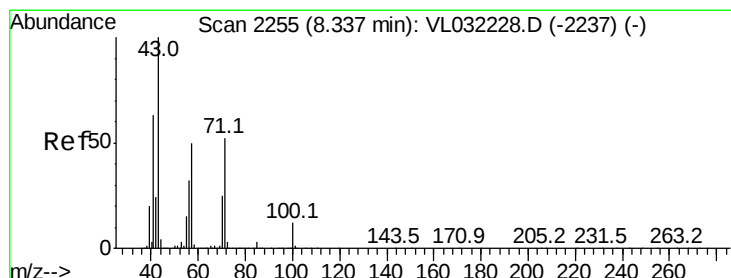
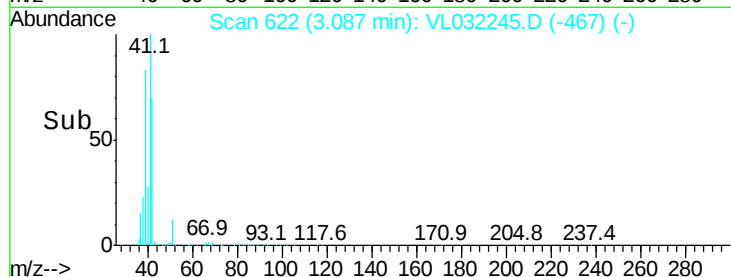
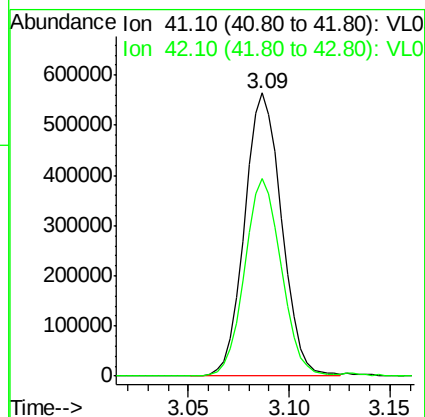
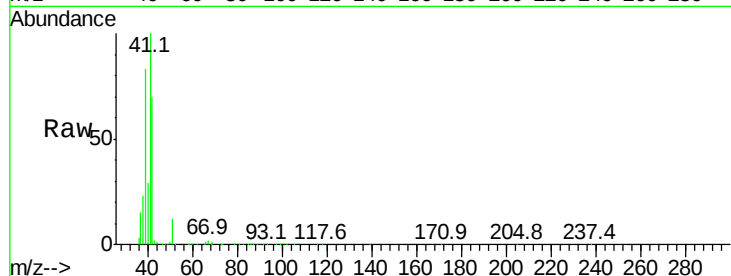
ICVVL071318

Tgt Ion: 41 Resp: 730335

Ion Ratio Lower Upper

41 100

42 69.9 56.2 84.4



#10

Heptane

Concen: 9.878 ppbv

RT: 8.34 min Scan# 2255

Delta R.T. -0.00 min

Lab File: VL032245.D

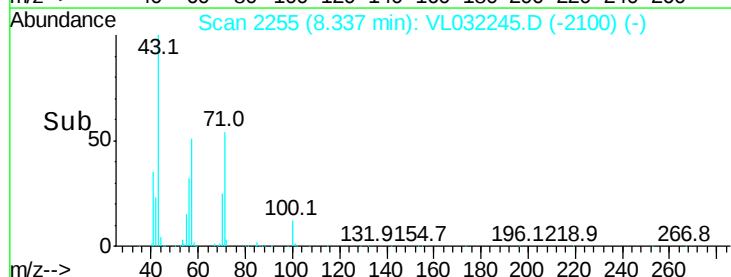
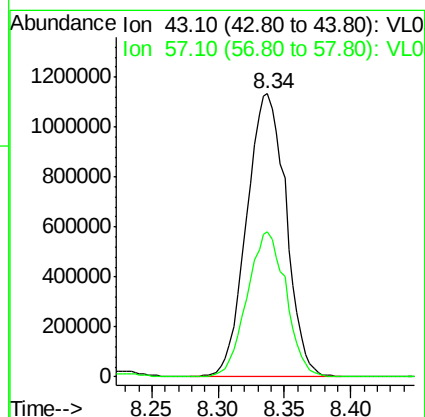
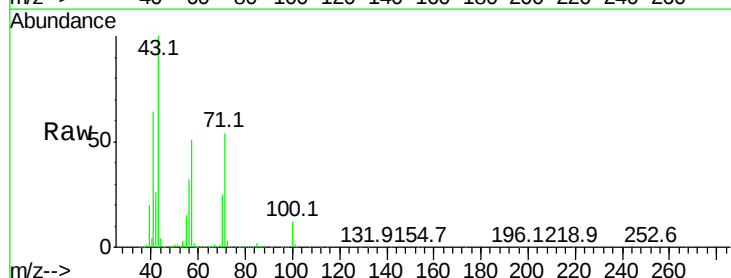
Acq: 13 Jul 2018 12:37

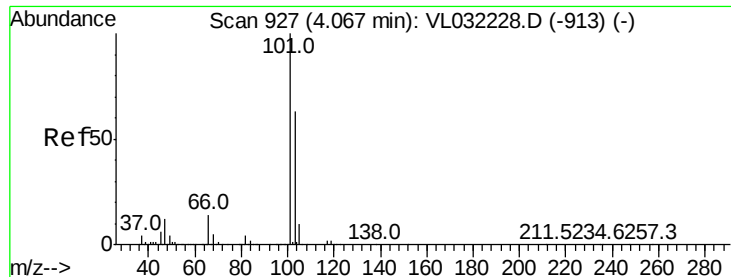
Tgt Ion: 43 Resp: 2335822

Ion Ratio Lower Upper

43 100

57 50.5 40.7 61.1

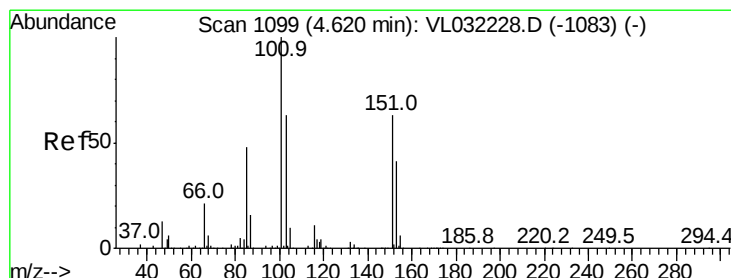
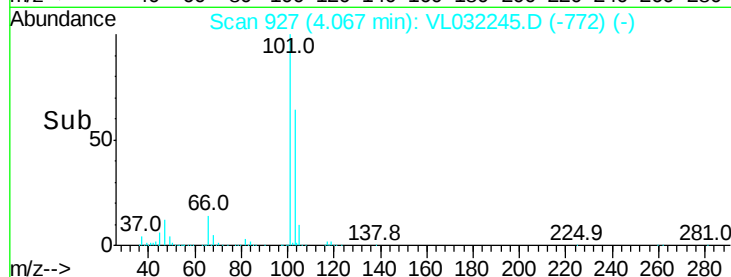
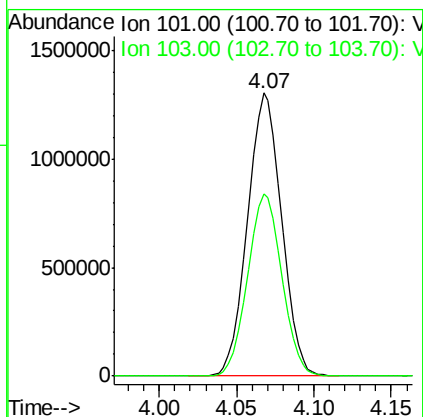
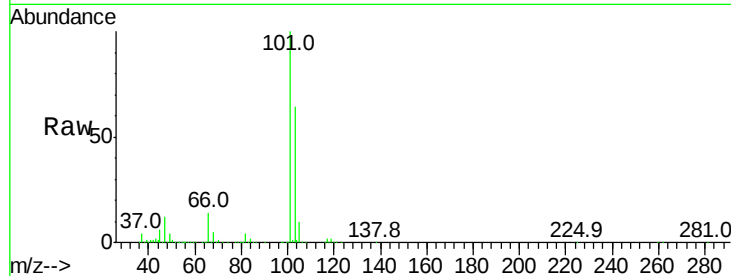




#11
 Trichlorofluoromethane
 Concen: 9.175 ppbv
 RT: 4.07 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

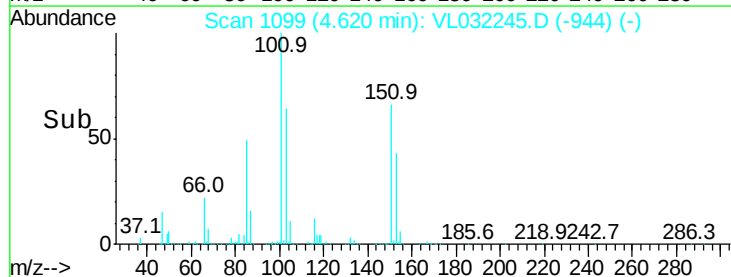
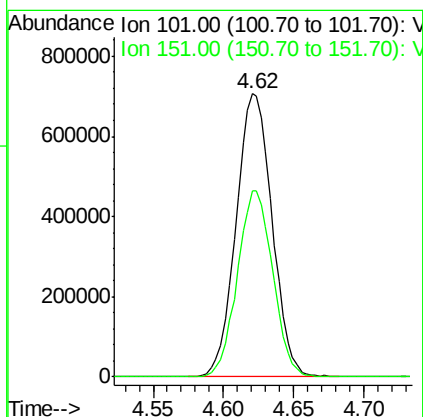
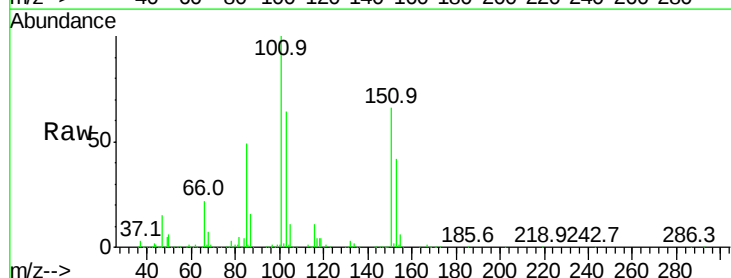
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071318

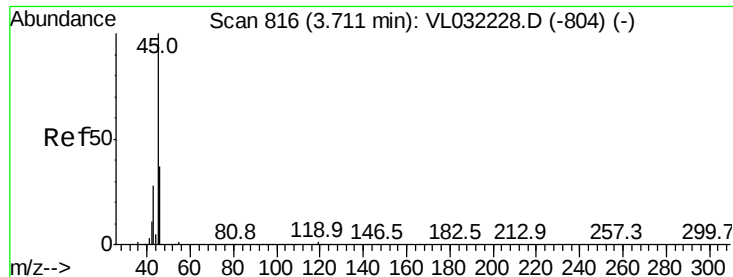
Tgt Ion:101 Resp: 2008623
 Ion Ratio Lower Upper
 101 100
 103 64.4 50.2 75.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.037 ppbv
 RT: 4.62 min Scan# 1099
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

Tgt Ion:101 Resp: 1263717
 Ion Ratio Lower Upper
 101 100
 151 64.8 52.2 78.2





#13

Ethanol

Concen: 7.772 ppbv

RT: 3.71 min Scan# 816

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

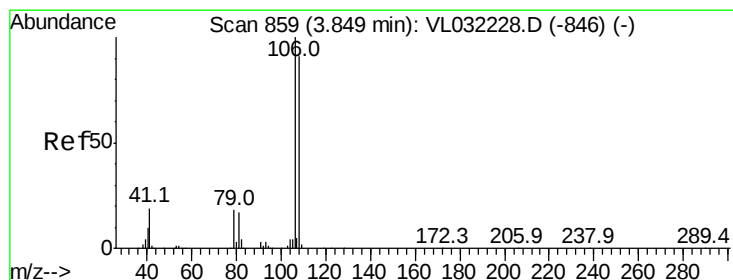
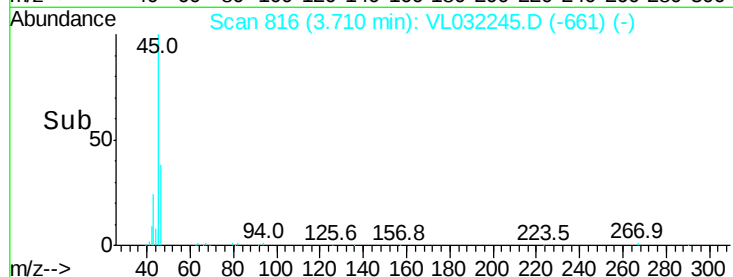
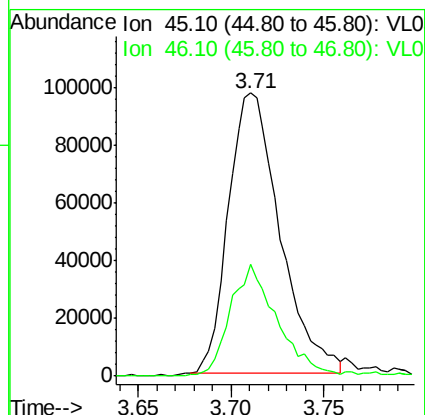
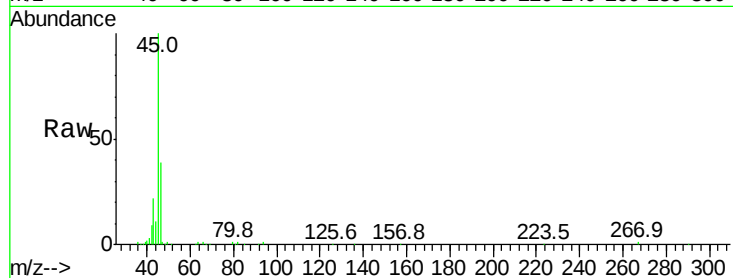
ICVVL071318

Tgt Ion: 45 Resp: 186781

Ion Ratio Lower Upper

45 100

46 37.2 15.5 61.9



#14

Bromoethene

Concen: 9.262 ppbv

RT: 3.85 min Scan# 859

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

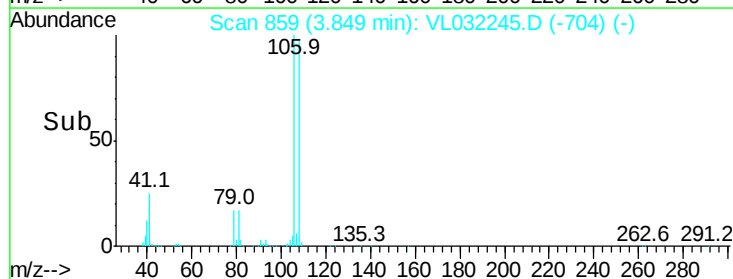
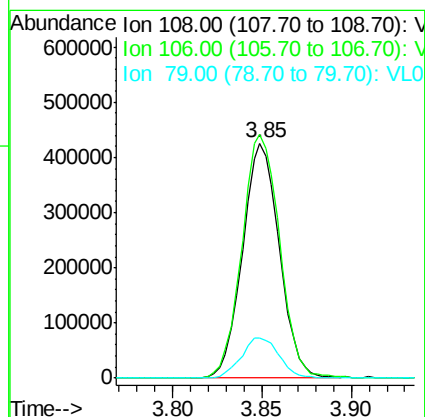
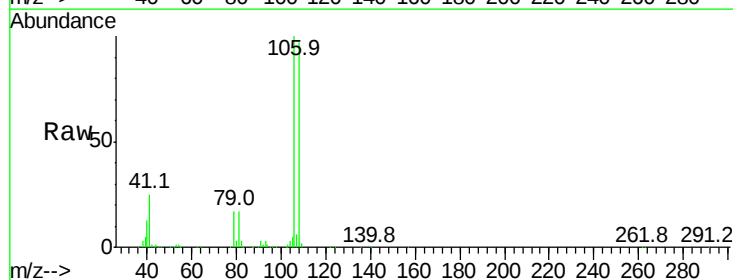
Tgt Ion: 108 Resp: 610948

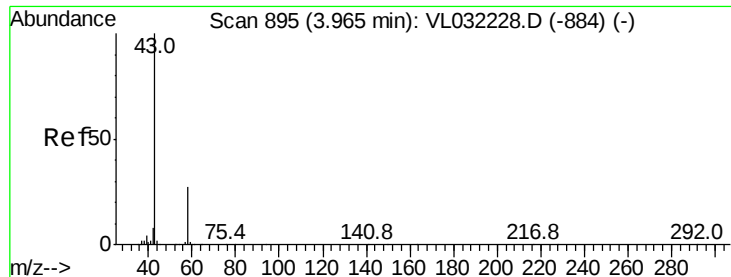
Ion Ratio Lower Upper

108 100

106 106.7 85.5 128.3

79 18.0 14.2 21.4





#15

Acetone

Concen: 8.477 ppbv

RT: 3.96 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

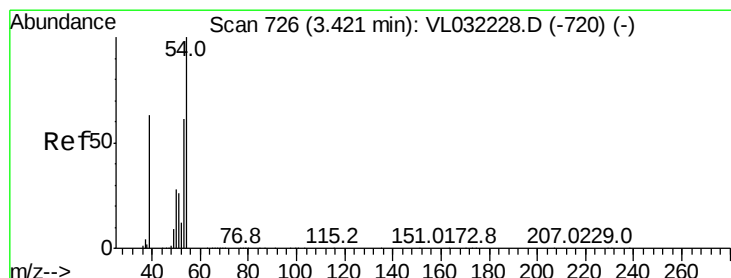
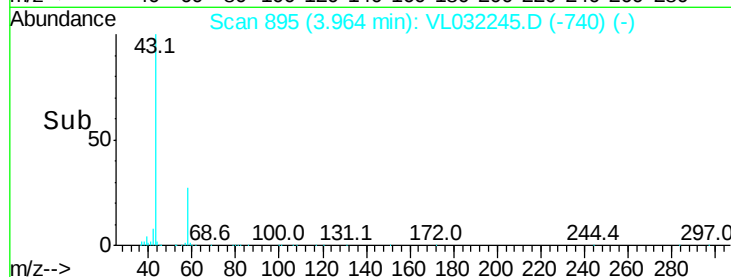
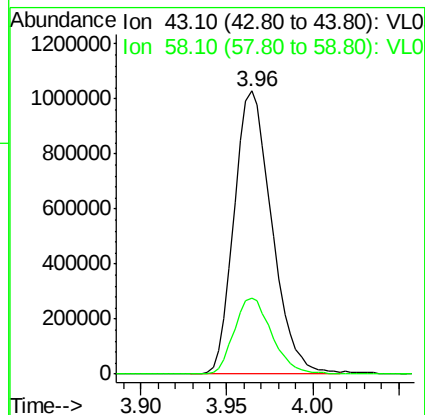
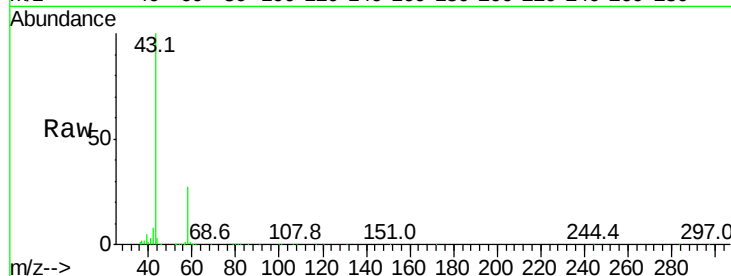
ICVVL071318

Tgt Ion: 43 Resp: 1563496

Ion Ratio Lower Upper

43 100

58 27.1 21.5 32.3



#16

1,3-Butadiene

Concen: 8.552 ppbv

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VL032245.D

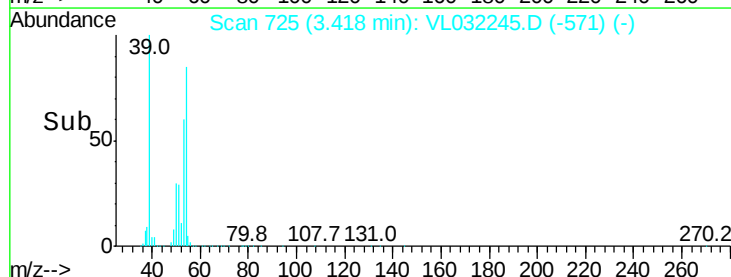
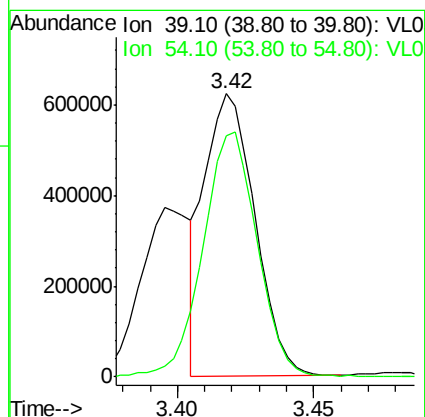
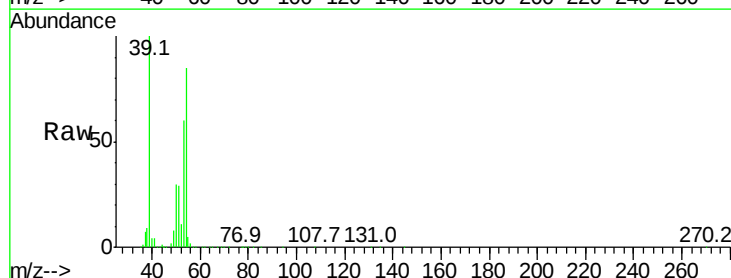
Acq: 13 Jul 2018 12:37

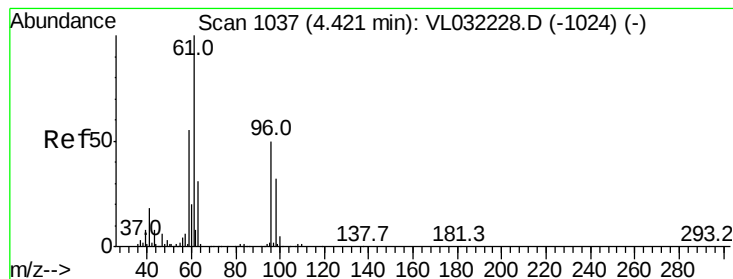
Tgt Ion: 39 Resp: 797063

Ion Ratio Lower Upper

39 100

54 94.4 70.0 105.0





#17

tert-Butyl alcohol

Concen: 8.785 ppbv

RT: 4.42 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

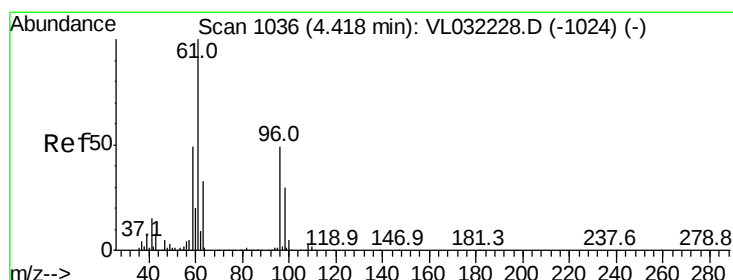
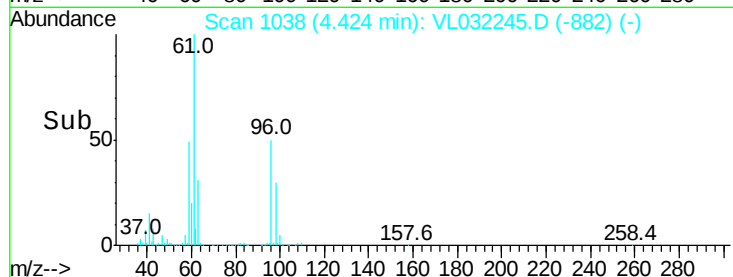
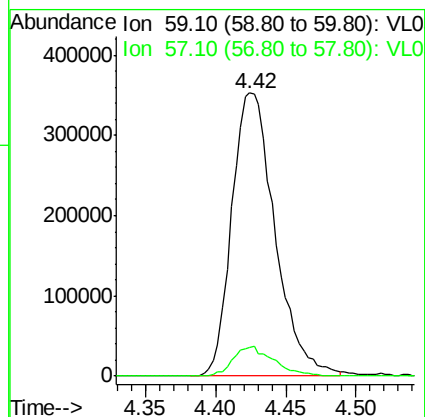
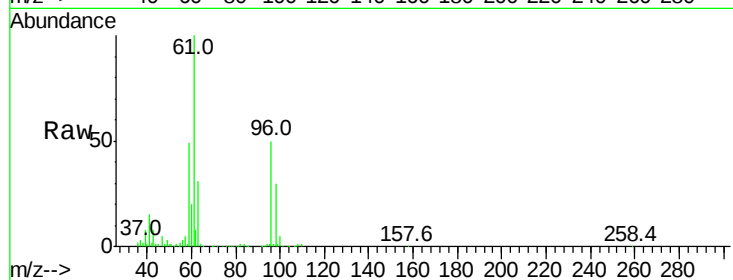
ICVVL071318

Tgt Ion: 59 Resp: 756583

Ion Ratio Lower Upper

59 100

57 10.1 8.4 12.6



#18

1,1-Dichloroethene

Concen: 9.446 ppbv

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

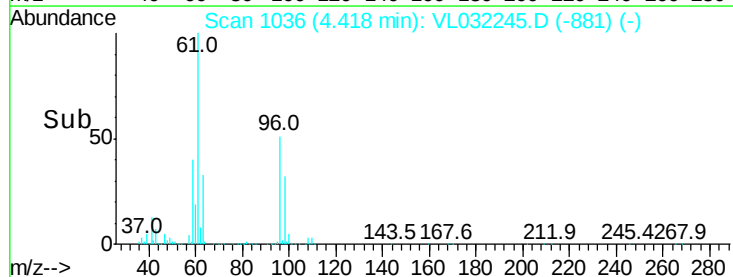
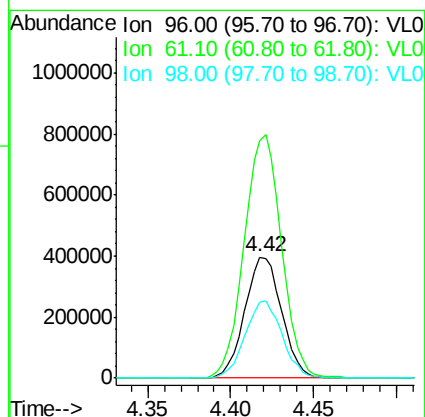
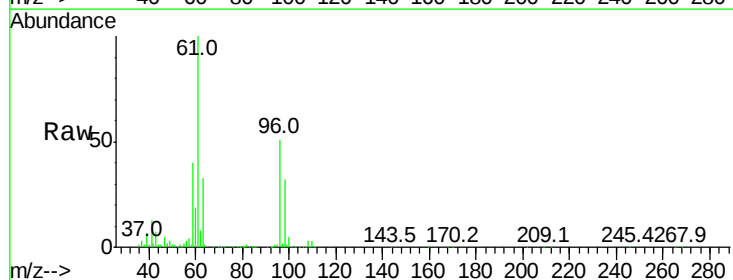
Tgt Ion: 96 Resp: 614694

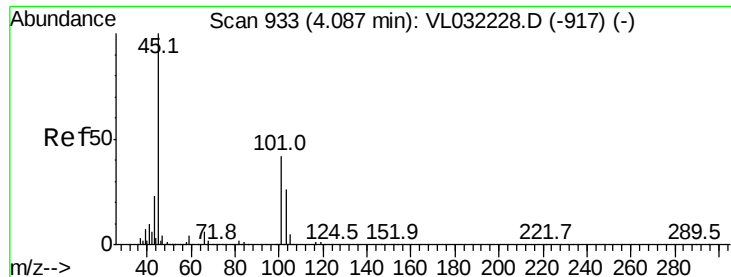
Ion Ratio Lower Upper

96 100

61 196.1 163.0 244.4

98 63.2 48.5 72.7



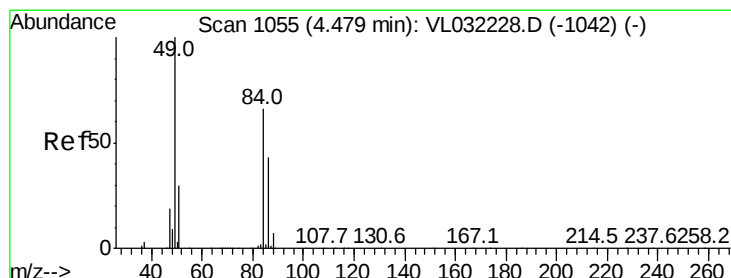
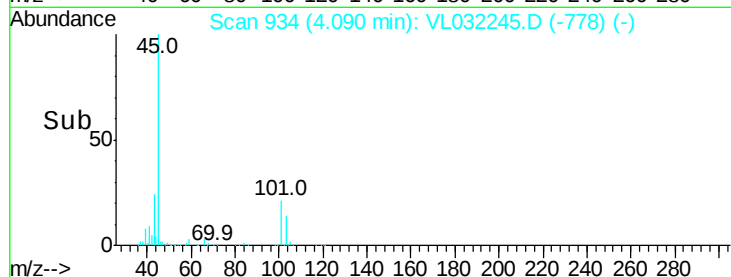
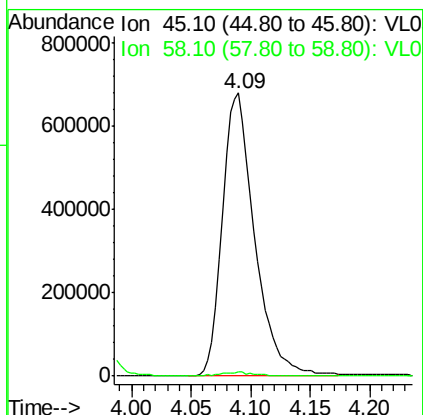
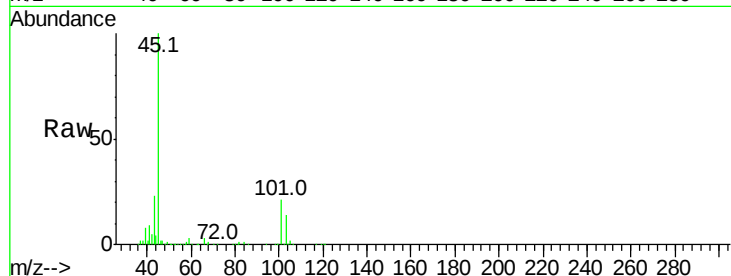


#19

Isopropyl Alcohol
 Concen: 10.514 ppbv
 RT: 4.09 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071318

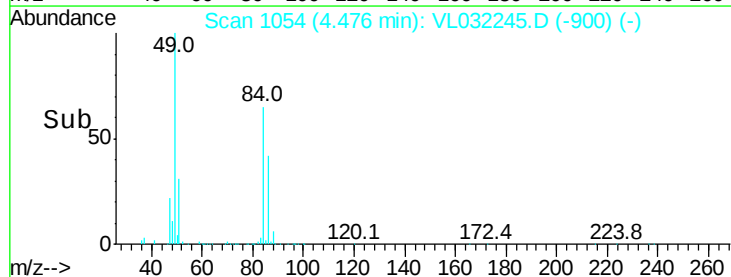
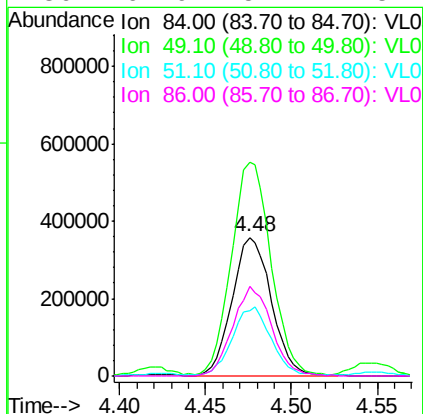
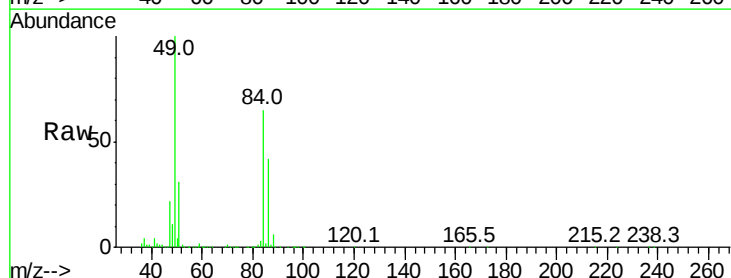
Tgt Ion: 45 Resp: 1273348
 Ion Ratio Lower Upper
 45 100
 58 1.7 1.3 1.9

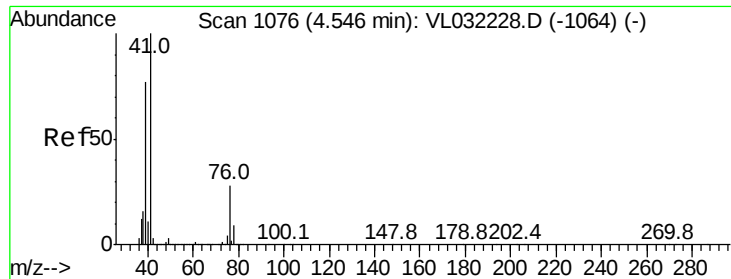


#20

Methylene Chloride
 Concen: 9.026 ppbv
 RT: 4.48 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

Tgt Ion: 84 Resp: 564192
 Ion Ratio Lower Upper
 84 100
 49 153.1 121.8 182.6
 51 46.5 36.3 54.5
 86 64.9 52.1 78.1

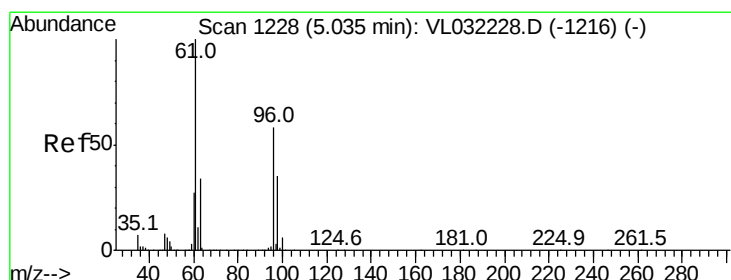
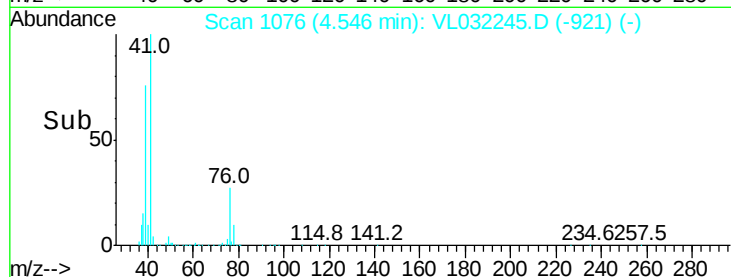
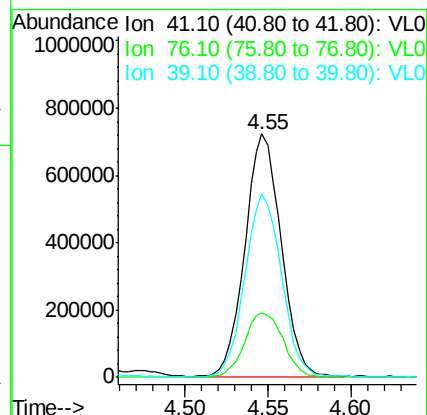
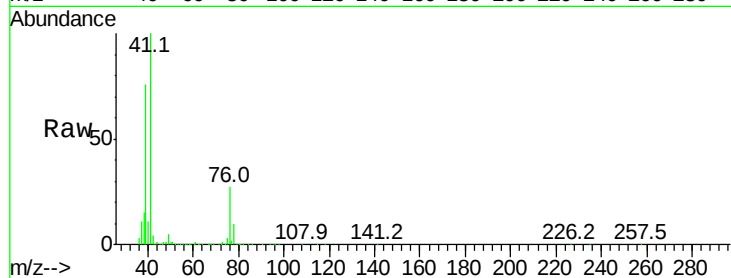




#21
 Allyl Chloride
 Concen: 10.092 ppbv
 RT: 4.55 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

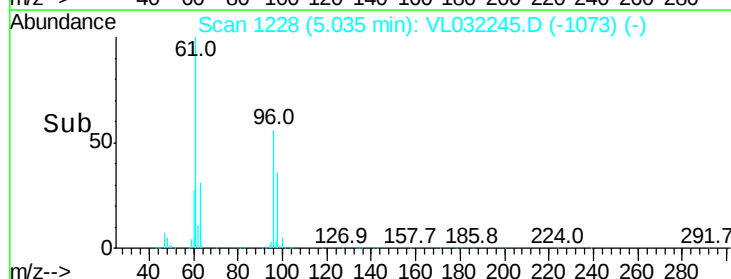
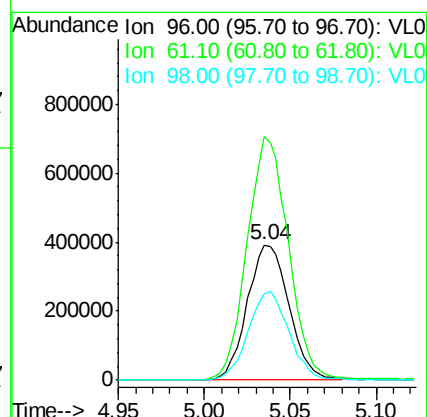
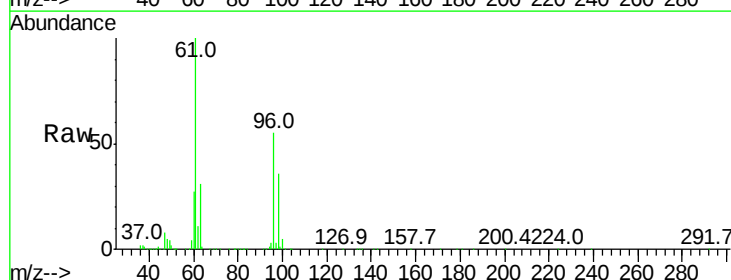
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071318

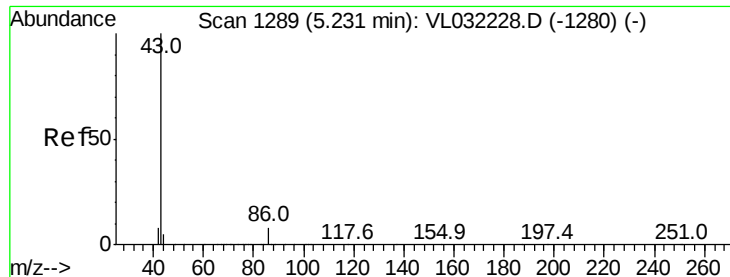
Tgt Ion: 41 Resp: 1089771
 Ion Ratio Lower Upper
 41 100
 76 28.5 22.9 34.3
 39 77.4 62.3 93.5



#22
 trans-1,2-Dichloroethene
 Concen: 10.661 ppbv
 RT: 5.04 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

Tgt Ion: 96 Resp: 660360
 Ion Ratio Lower Upper
 96 100
 61 180.3 139.1 208.7
 98 64.0 48.4 72.6



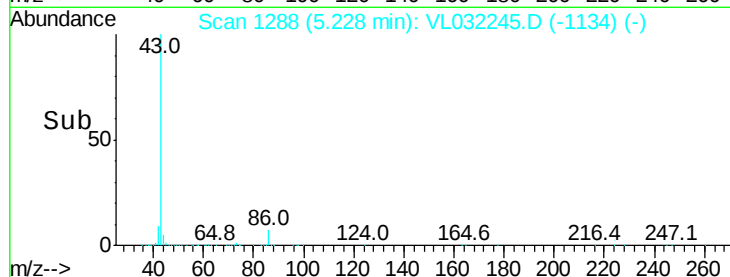
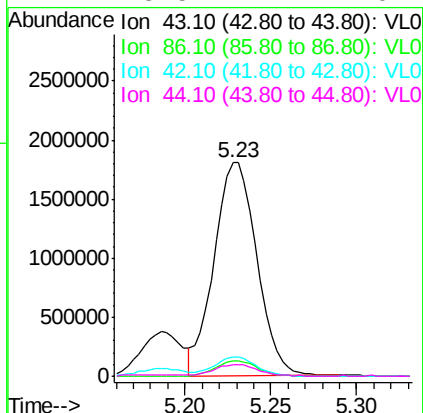
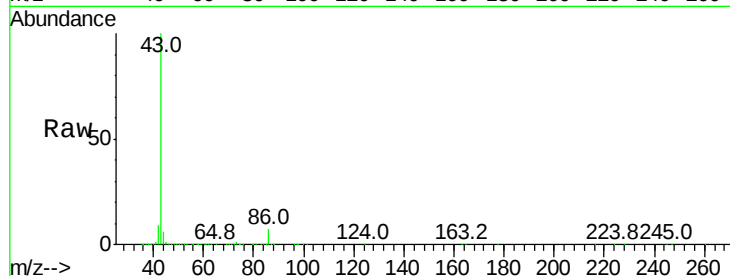


#23
 Vinyl Acetate
 Concen: 10.187 ppbv
 RT: 5.23 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071318

Tgt Ion: 43 Resp: 3124921

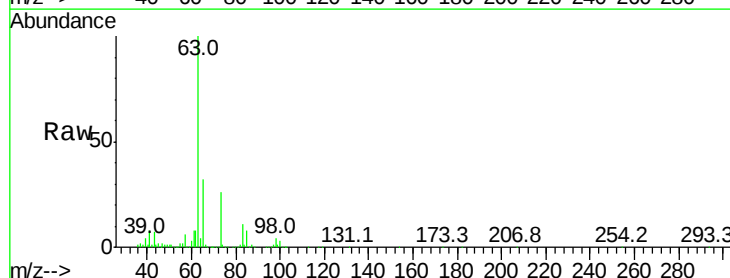
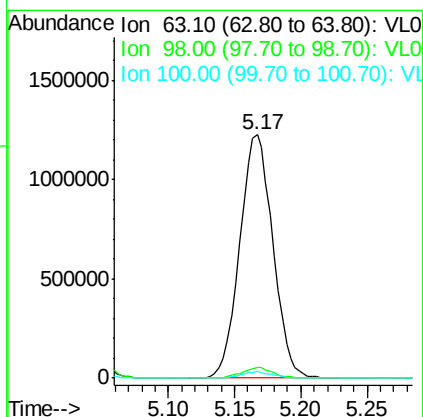
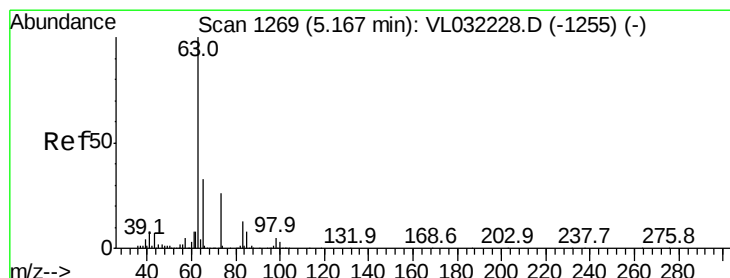
Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.9	8.9
42	9.1	7.0	10.6
44	5.5	4.2	6.2

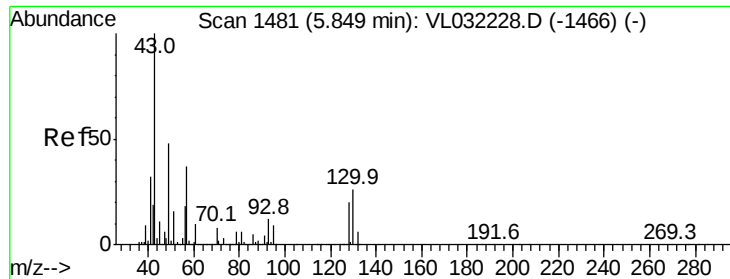


#24
 1,1-Dichloroethane
 Concen: 9.870 ppbv
 RT: 5.17 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

Tgt Ion: 63 Resp: 2125893

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.4	7.1
100	2.7	1.5	4.4



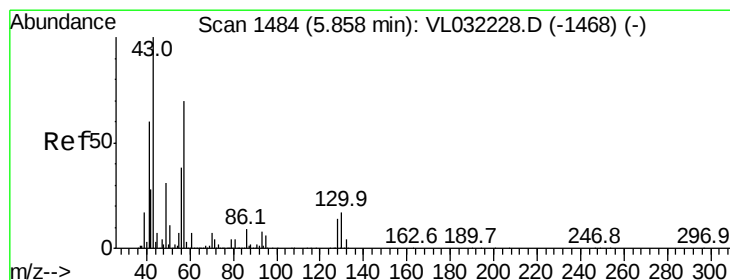
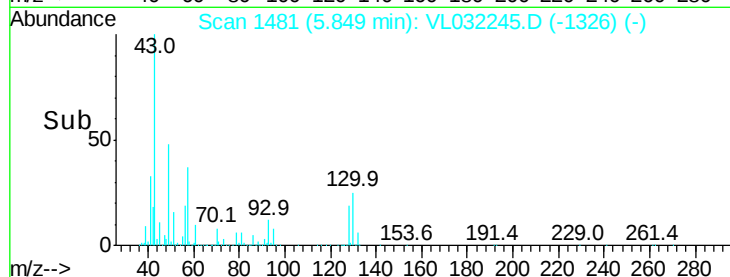
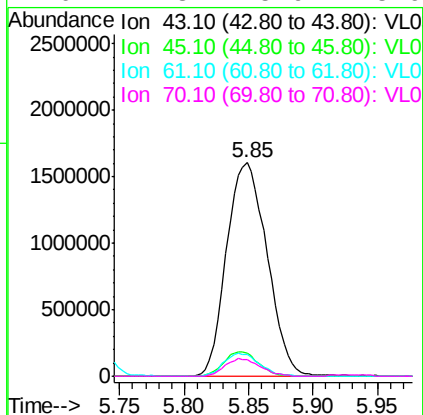
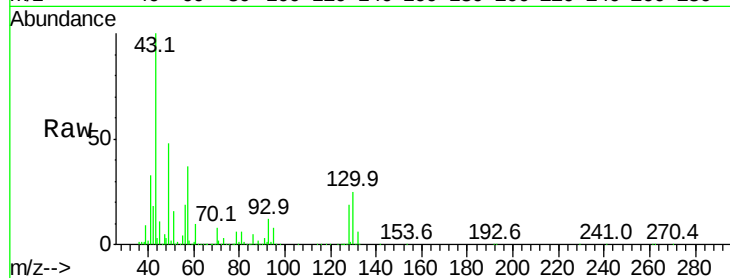


#25
Ethyl Acetate
Concen: 9.587 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VL032245.D
Acq: 13 Jul 2018 12:37

Instrument :
MSVOA_L
ClientSampleId :
ICVVL071318

Tgt Ion: 43 Resp: 3499230

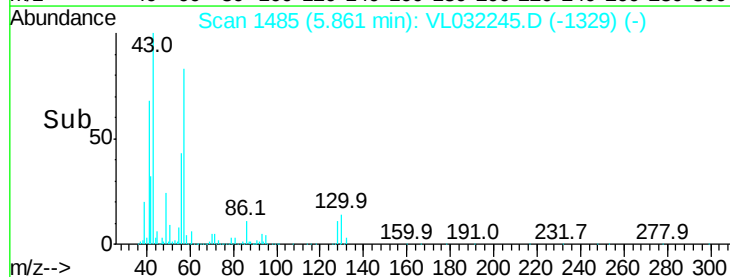
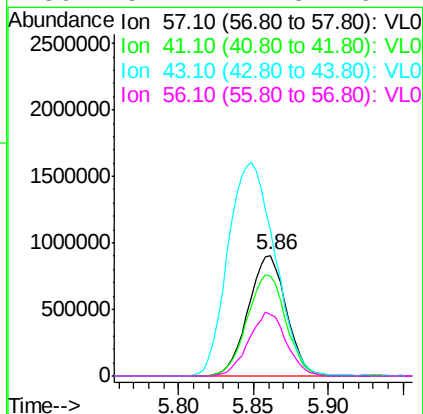
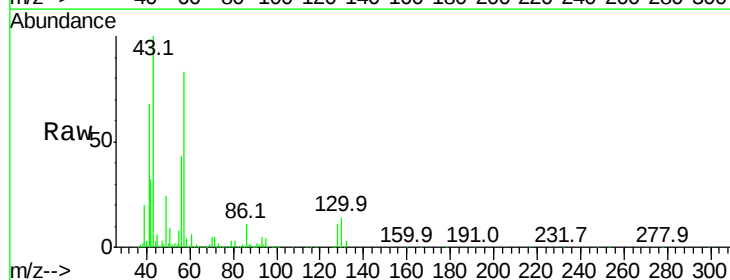
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.4	7.7	11.5
70	7.3	5.9	8.9

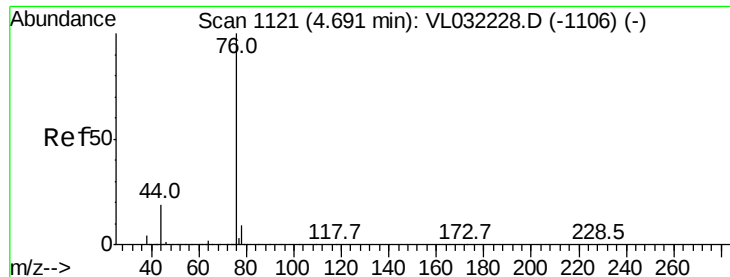


#26
Hexane
Concen: 9.618 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. 0.00 min
Lab File: VL032245.D
Acq: 13 Jul 2018 12:37

Tgt Ion: 57 Resp: 1601410

Ion	Ratio	Lower	Upper
57	100		
41	85.8	68.7	103.1
43	219.0	176.2	264.2
56	52.2	42.8	64.2





#27

Carbon Disulfide

Concen: 10.238 ppbv

RT: 4.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071318

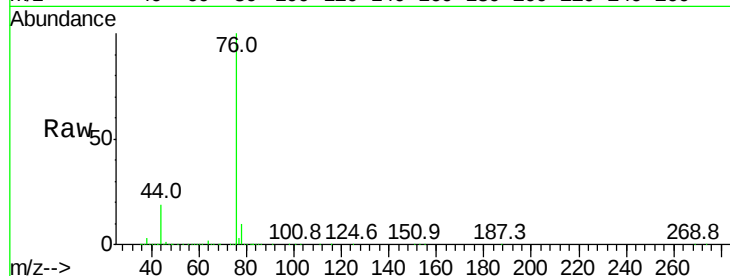
Tgt Ion: 76 Resp: 1525181

Ion Ratio Lower Upper

76 100

44 18.8 15.1 22.7

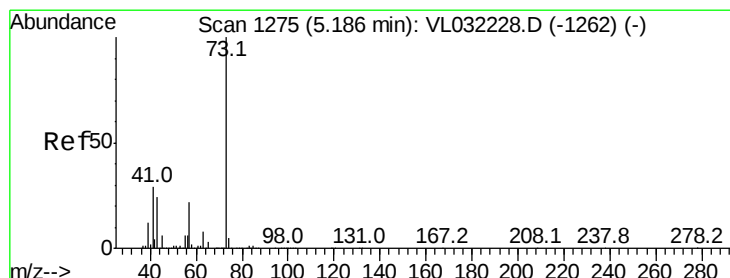
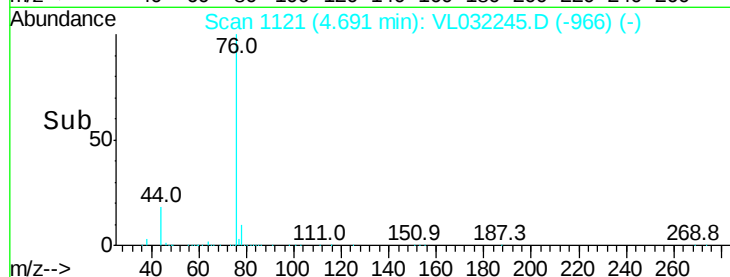
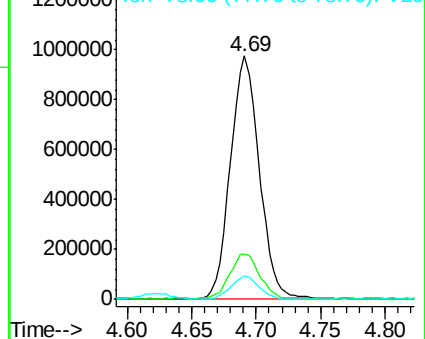
78 9.4 7.4 11.0



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: 10.375 ppbv

RT: 5.19 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VL032245.D

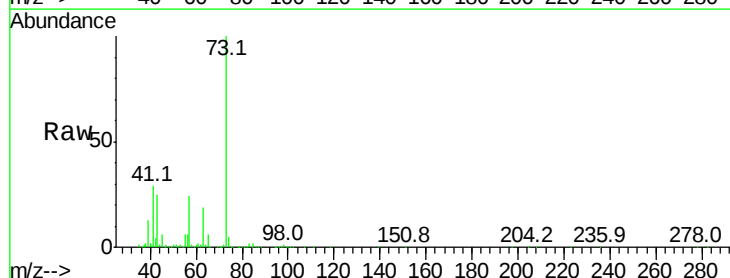
Acq: 13 Jul 2018 12:37

Tgt Ion: 73 Resp: 2718955

Ion Ratio Lower Upper

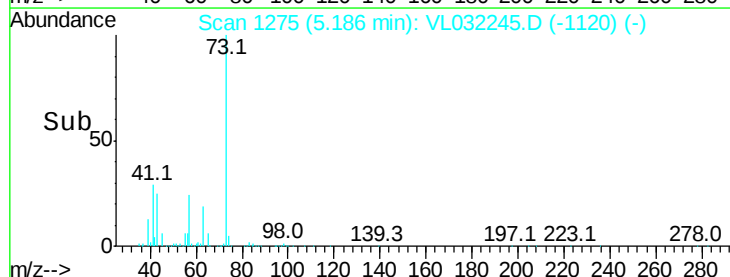
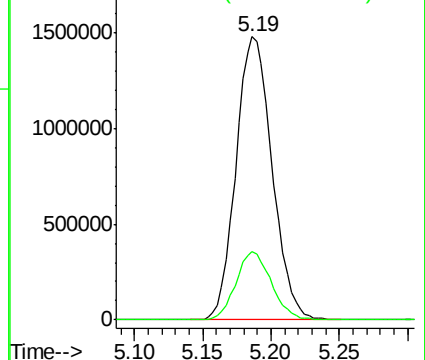
73 100

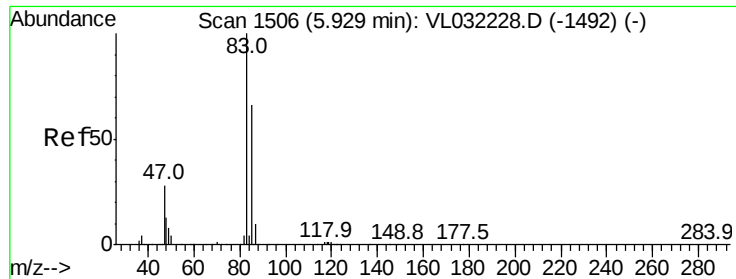
57 23.7 18.6 27.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.326 ppbv

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

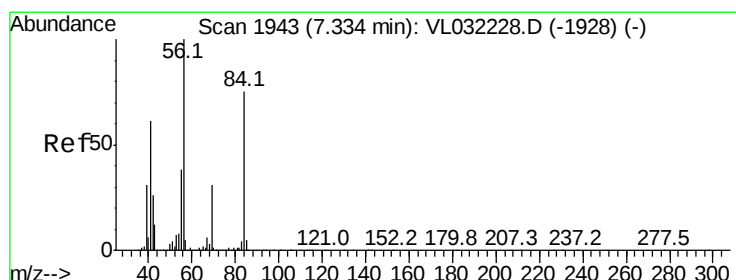
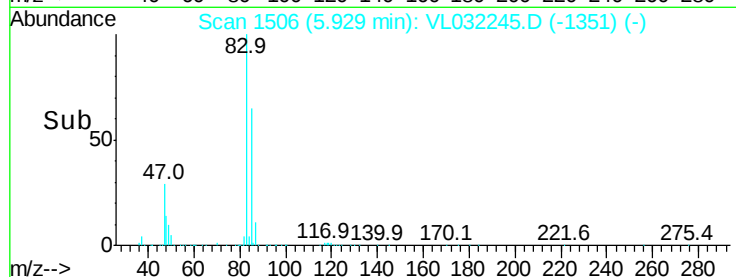
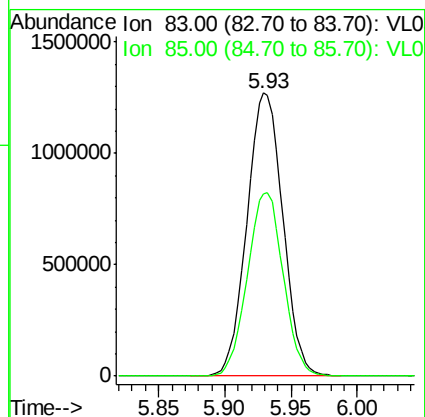
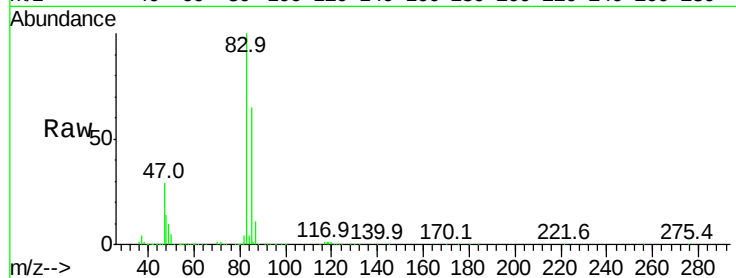
ICVVL071318

Tgt Ion: 83 Resp: 2397243

Ion Ratio Lower Upper

83 100

85 64.4 52.7 79.1



#30

Cyclohexane

Concen: 10.152 ppbv

RT: 7.33 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

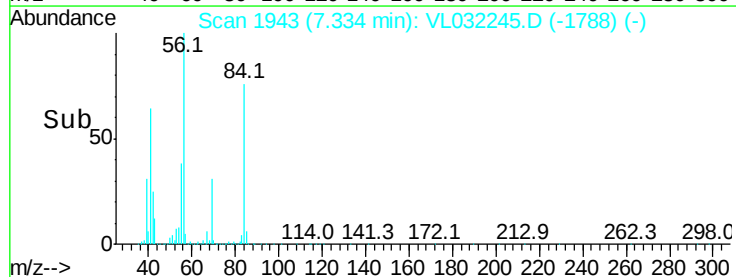
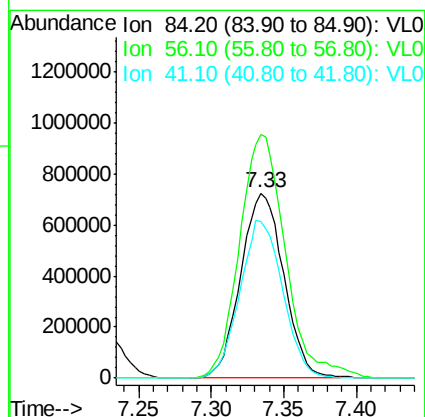
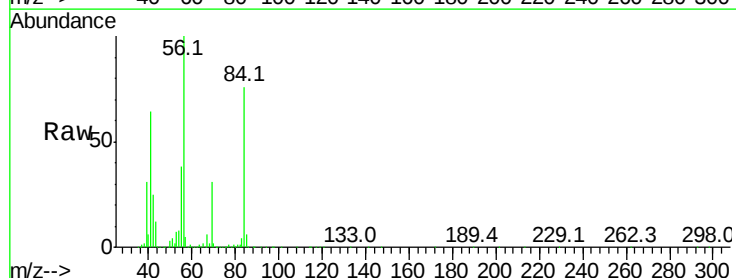
Tgt Ion: 84 Resp: 1491653

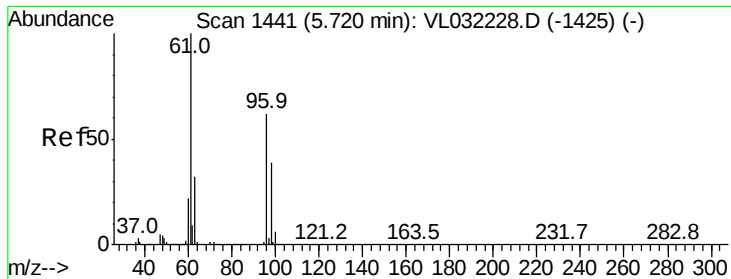
Ion Ratio Lower Upper

84 100

56 141.0 112.6 168.8

41 85.0 67.0 100.6



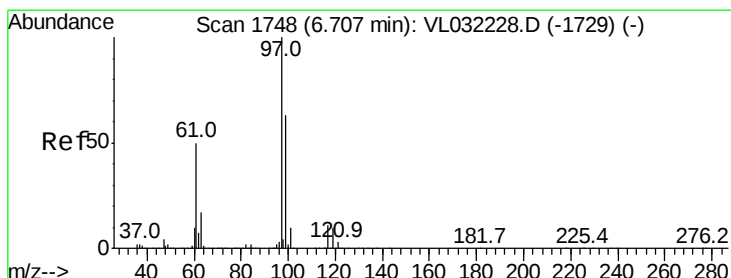
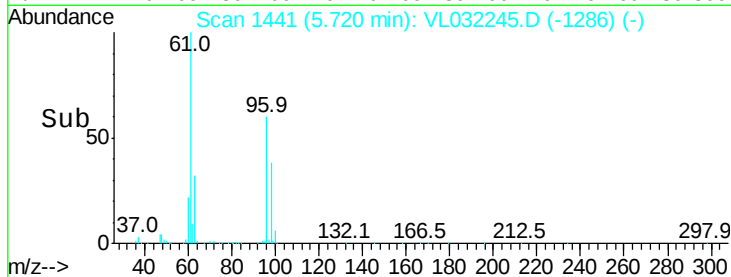
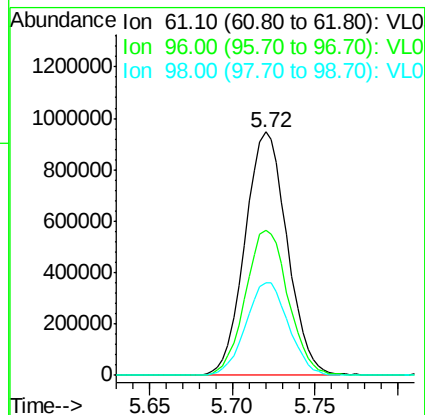
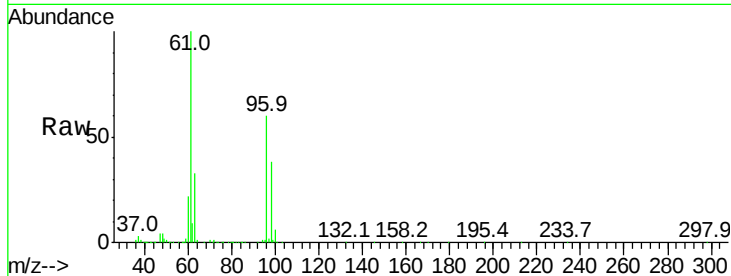


#31
 cis-1,2-Dichloroethene
 Concen: 10.059 ppbv
 RT: 5.72 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071318

Tgt Ion: 61 Resp: 1671423

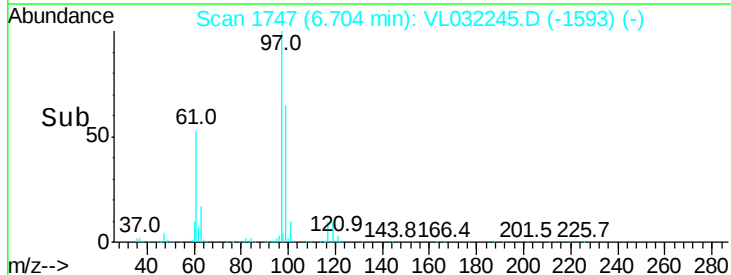
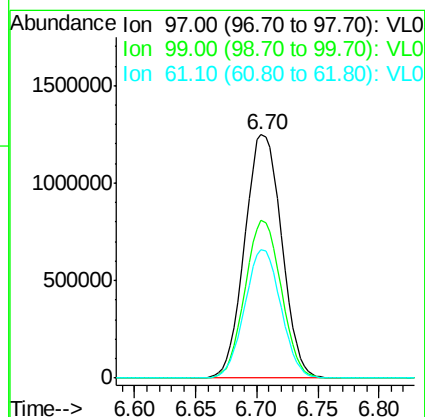
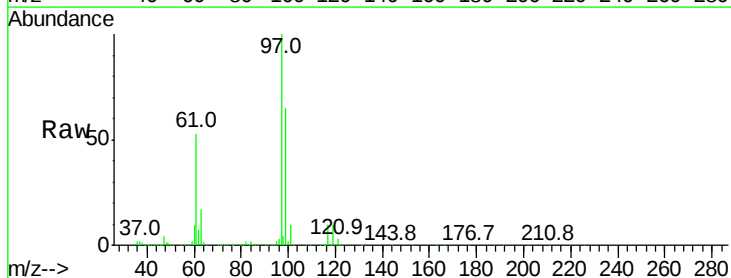
Ion	Ratio	Lower	Upper
61	100		
96	59.8	49.8	74.8
98	38.2	31.4	47.2

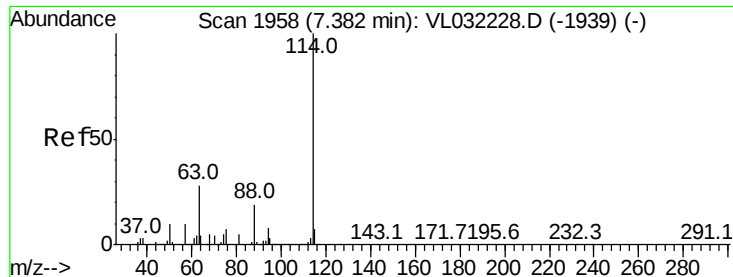


#32
 1,1,1-Trichloroethane
 Concen: 10.470 ppbv
 RT: 6.70 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

Tgt Ion: 97 Resp: 2611398

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.2	76.8
61	51.6	41.3	61.9

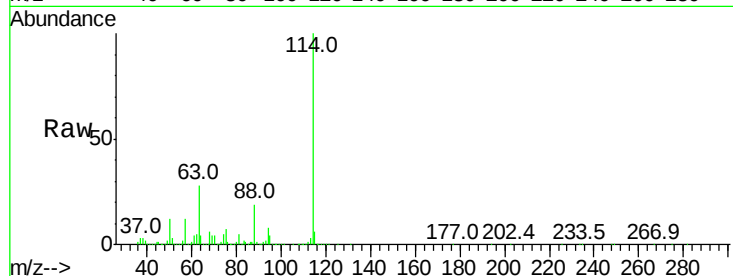




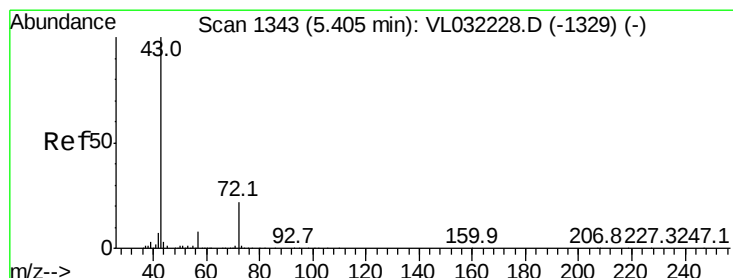
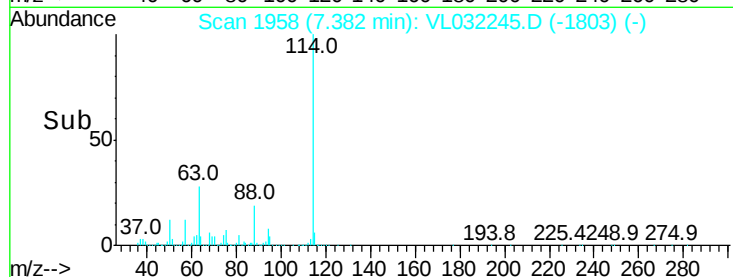
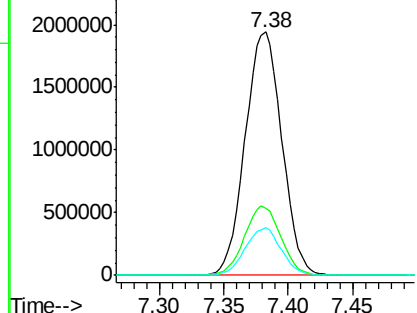
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071318

Tgt Ion:114 Resp: 3852079
 Ion Ratio Lower Upper
 114 100
 63 28.5 22.5 33.7
 88 19.1 15.4 23.0

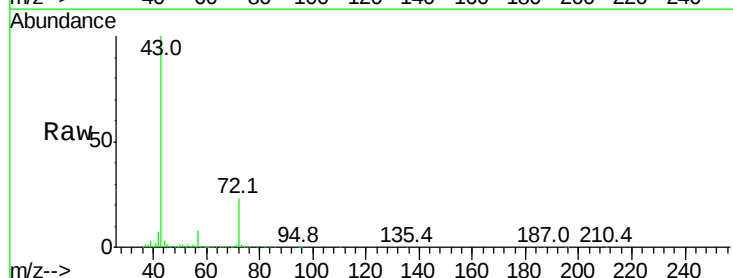


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

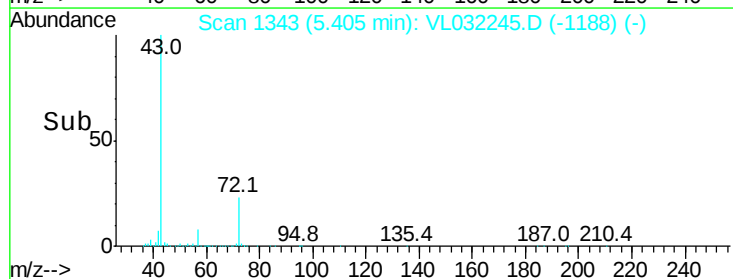
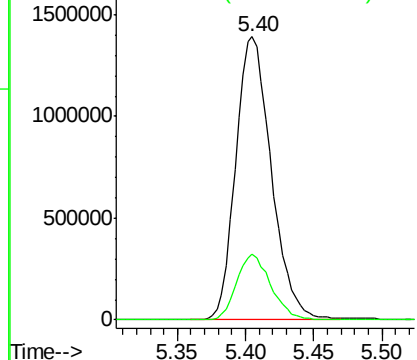


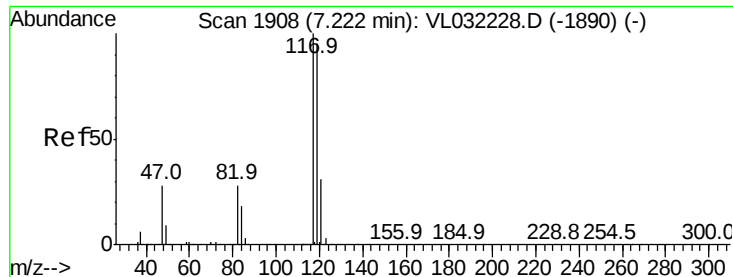
#34
 2-Butanone
 Concen: 9.587 ppbv
 RT: 5.40 min Scan# 1343
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

Tgt Ion: 43 Resp: 2516224
 Ion Ratio Lower Upper
 43 100
 72 22.5 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: 9.800 ppbv

RT: 7.22 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071318

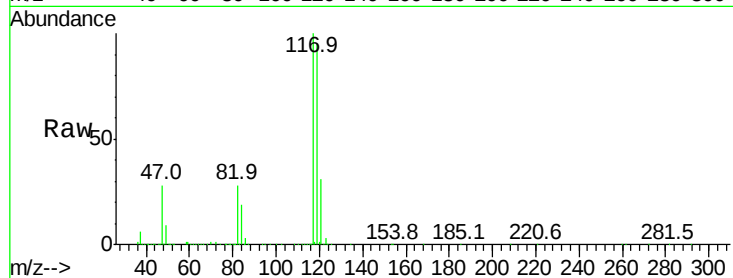
Tgt Ion:117 Resp: 2554825

Ion Ratio Lower Upper

117 100

119 95.3 75.7 113.5

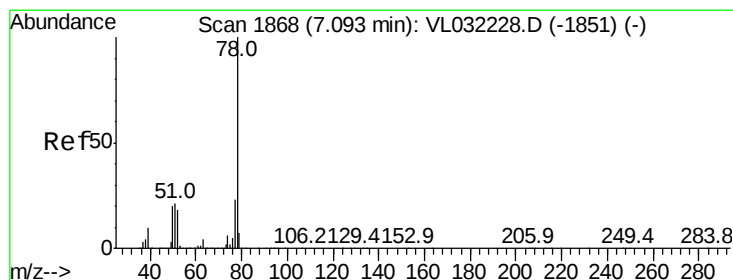
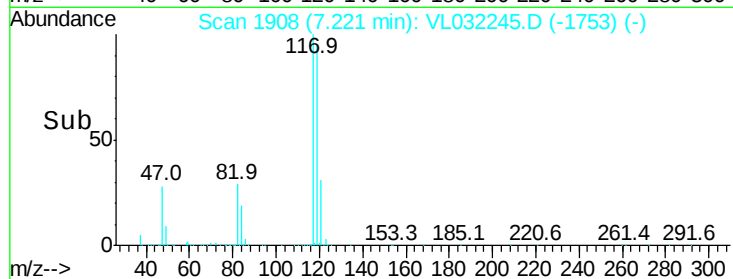
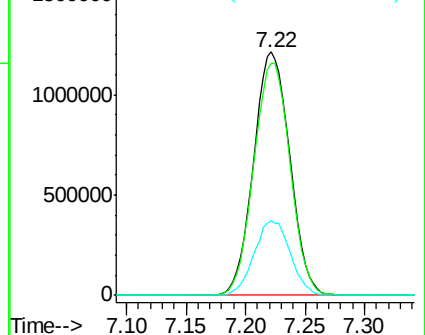
121 30.9 24.6 37.0



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: 9.713 ppbv

RT: 7.09 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

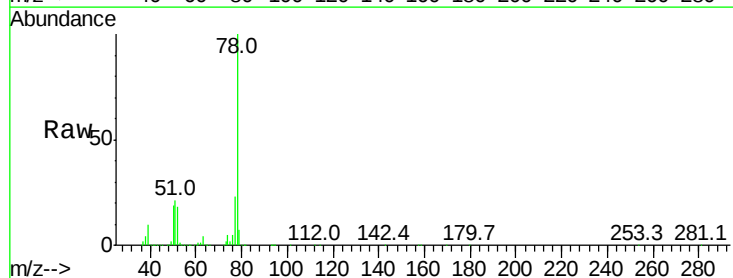
Tgt Ion: 78 Resp: 3718518

Ion Ratio Lower Upper

78 100

77 22.9 18.0 27.0

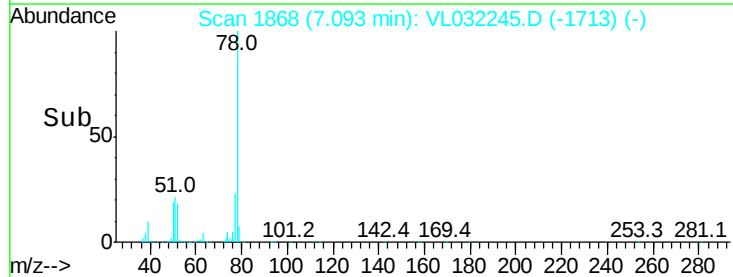
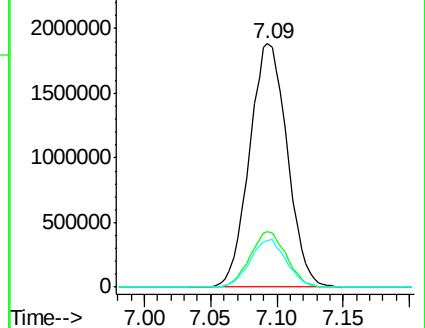
50 19.3 15.8 23.8

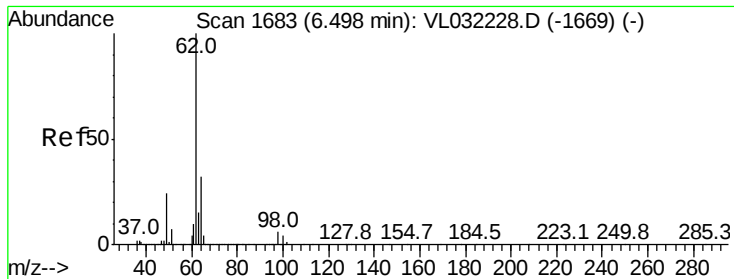


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.125 ppbv

RT: 6.50 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

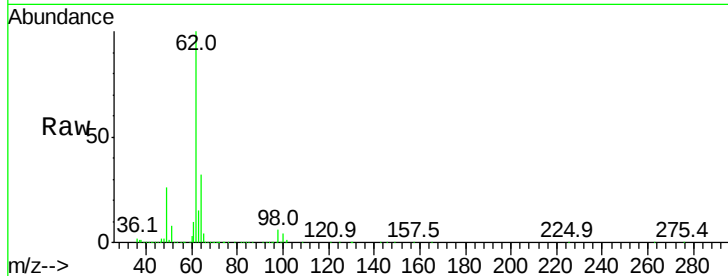
ICVVL071318

Tgt Ion: 62 Resp: 2122074

Ion Ratio Lower Upper

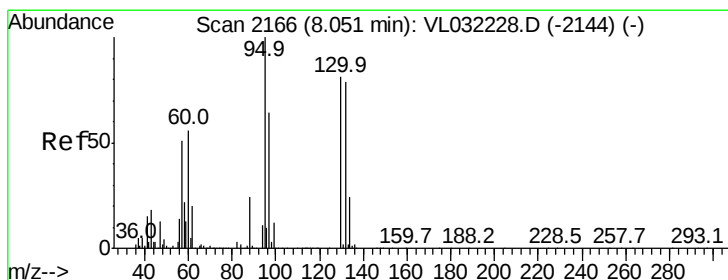
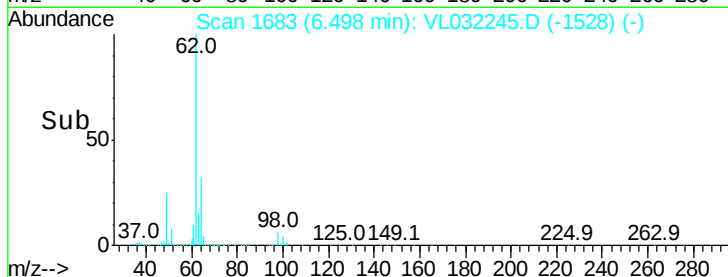
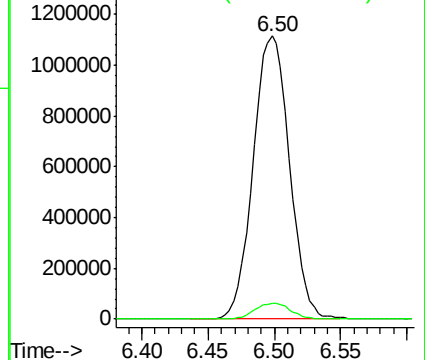
62 100

98 5.7 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 8.430 ppbv

RT: 8.05 min Scan# 2166

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Tgt Ion:130 Resp: 1106917

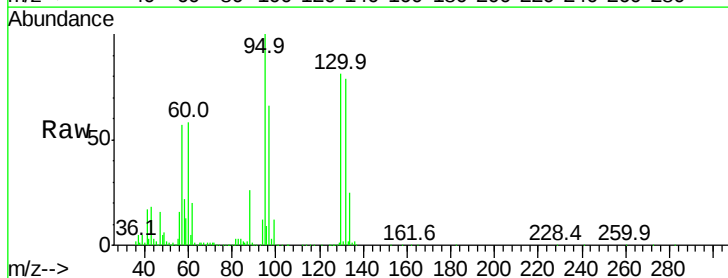
Ion Ratio Lower Upper

130 100

95 123.5 98.3 147.5

132 98.1 78.1 117.1

97 81.1 62.6 94.0

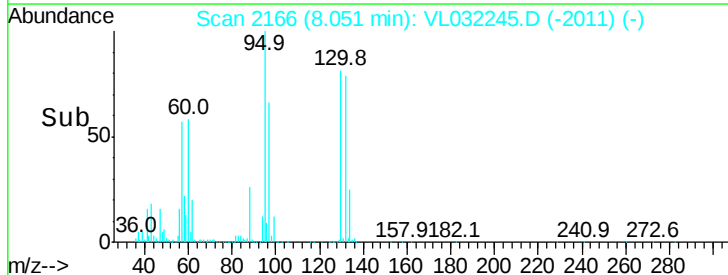
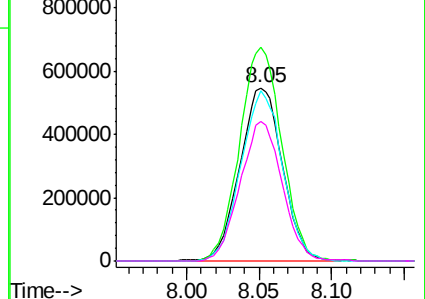


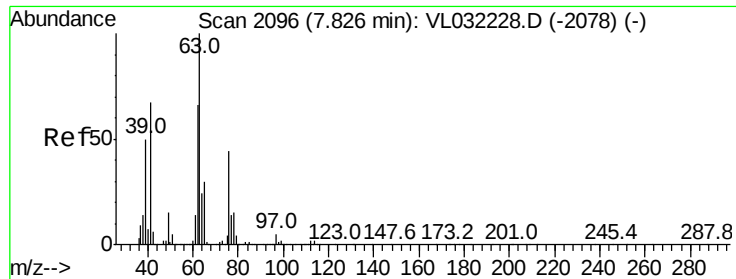
Abundance Ion 130.00 (129.70 to 130.70): V

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: 9.409 ppbv

RT: 7.83 min Scan# 2096

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071318

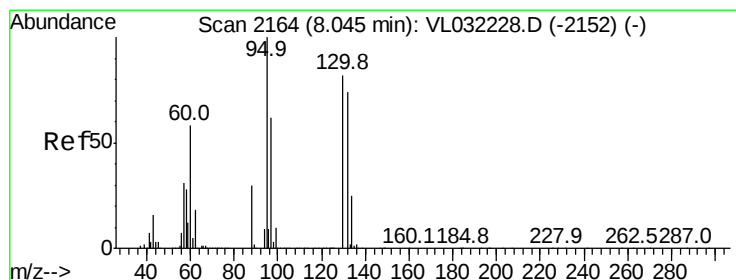
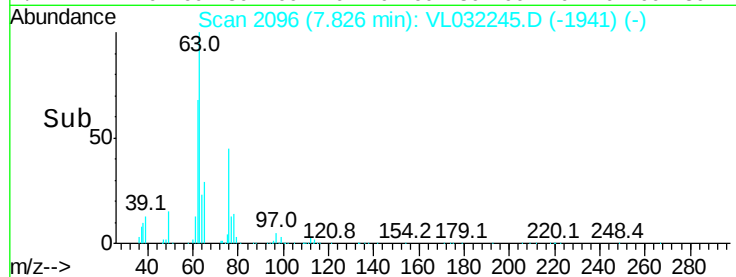
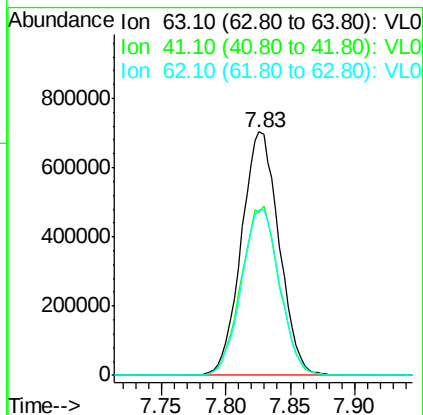
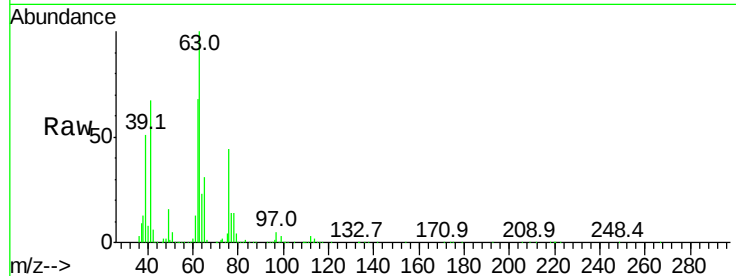
Tgt Ion: 63 Resp: 1431513

Ion Ratio Lower Upper

63 100

41 67.0 53.8 80.6

62 67.7 53.1 79.7



#40

1,4-Dioxane

Concen: 8.635 ppbv

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Tgt Ion: 88 Resp: 450459

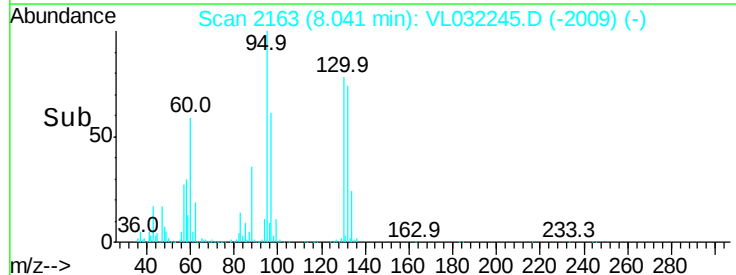
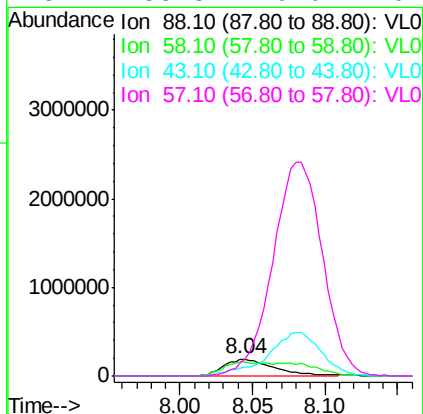
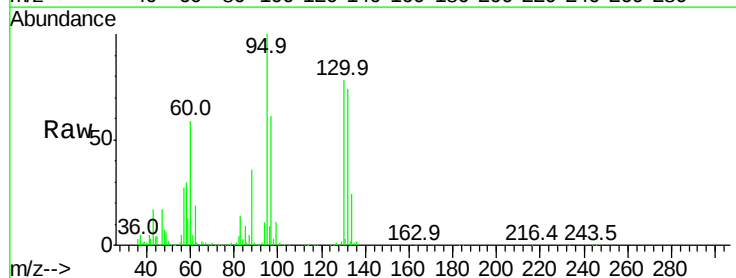
Ion Ratio Lower Upper

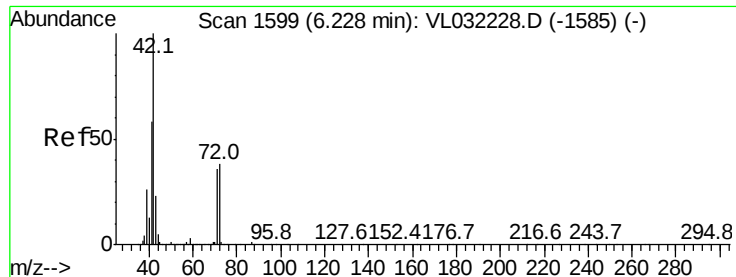
88 100

58 141.0 117.4 176.2

43 282.4 0.0 0.0#

57 1288.3 0.0 0.0#





#41

Tetrahydrofuran

Concen: 10.651 ppbv

RT: 6.23 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071318

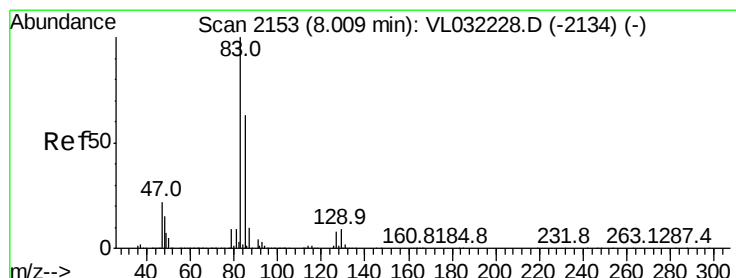
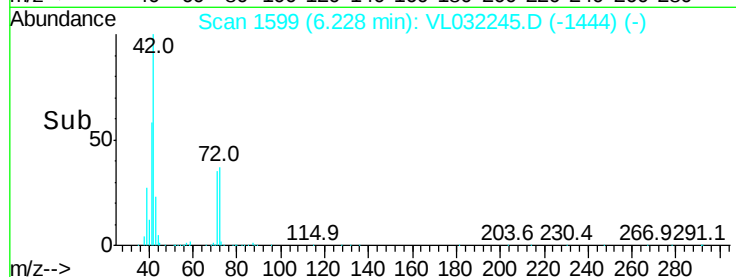
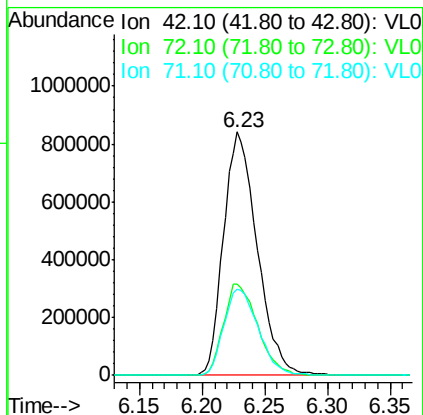
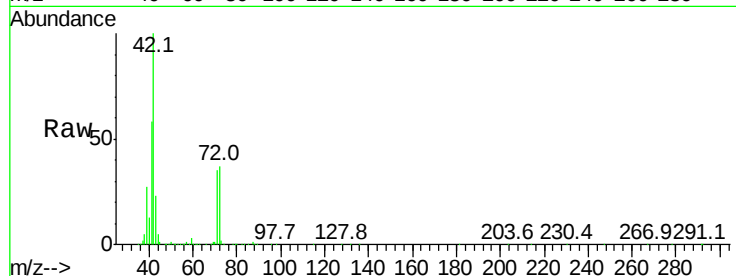
Tgt Ion: 42 Resp: 1564405

Ion Ratio Lower Upper

42 100

72 38.2 30.6 45.8

71 36.5 29.7 44.5



#42

Bromodichloromethane

Concen: 9.375 ppbv

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

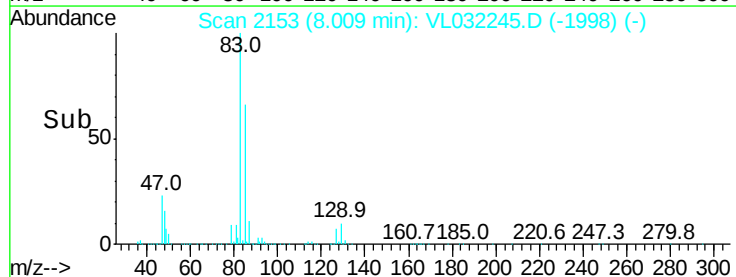
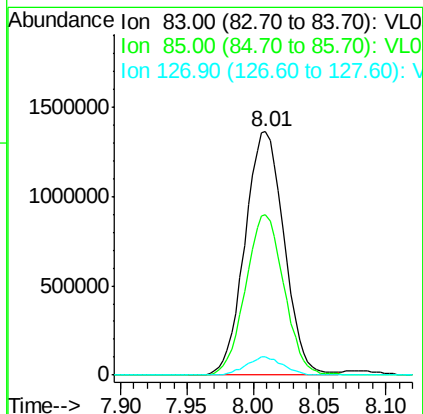
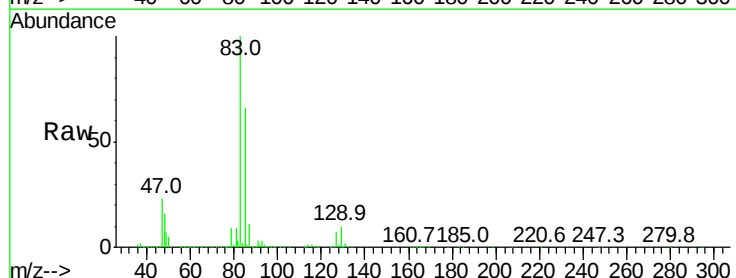
Tgt Ion: 83 Resp: 2797852

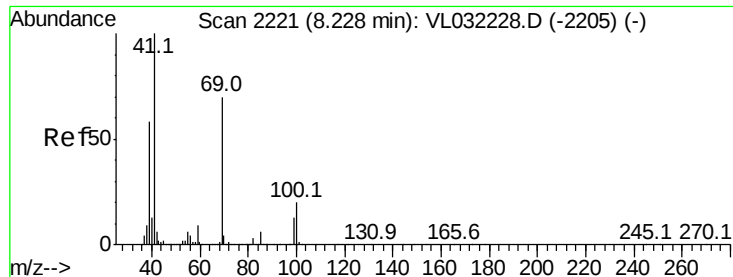
Ion Ratio Lower Upper

83 100

85 66.0 50.6 76.0

127 7.4 6.1 9.1

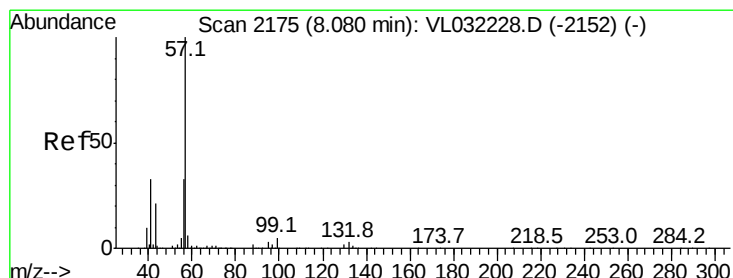
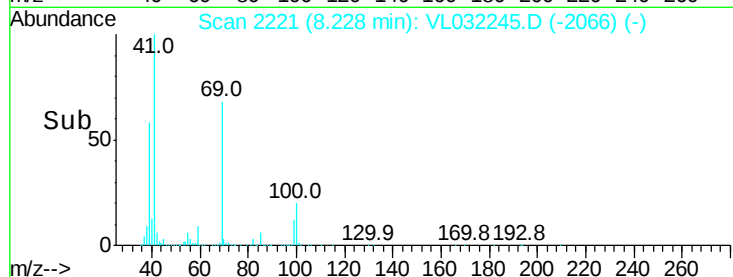
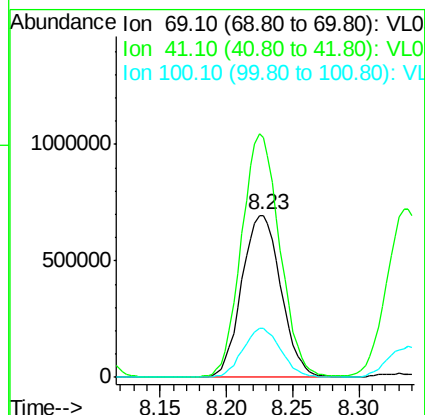
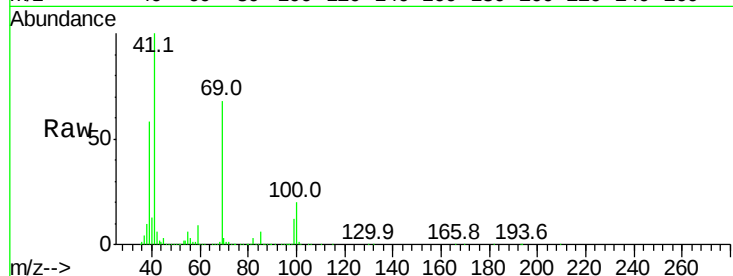




#43
Methyl Methacrylate
Concen: 9.678 ppbv
RT: 8.23 min Scan# 2221
Delta R.T. -0.00 min
Lab File: VL032245.D
Acq: 13 Jul 2018 12:37

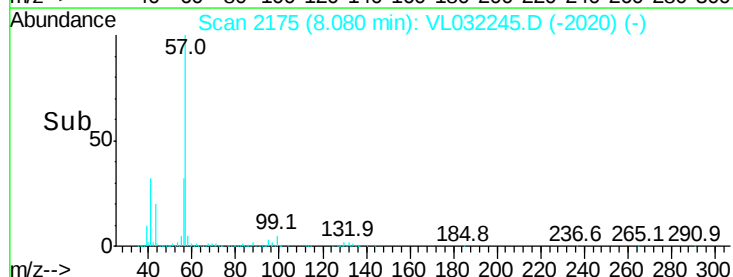
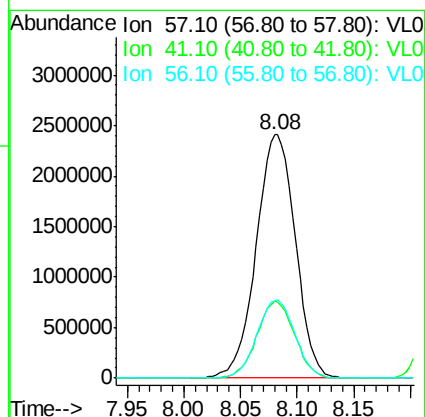
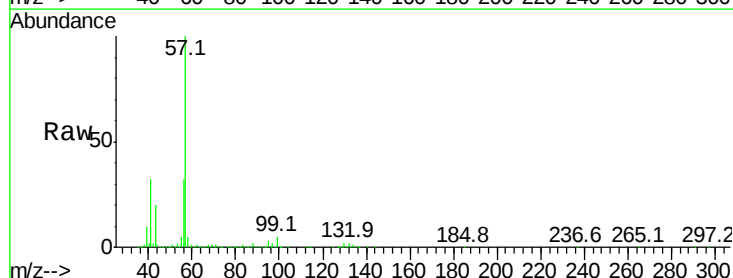
Instrument :
MSVOA_L
ClientSampleId :
ICVVL071318

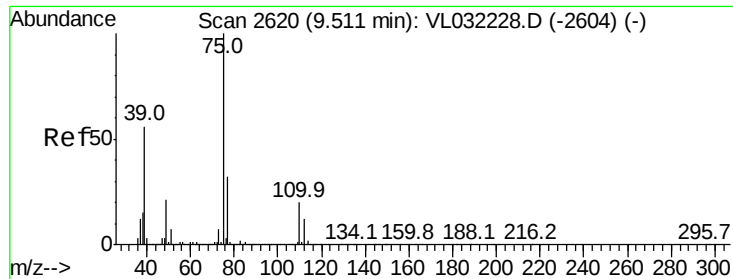
Tgt Ion: 69 Resp: 1431677
Ion Ratio Lower Upper
69 100
41 146.4 116.3 174.5
100 29.4 23.8 35.8



#44
2,2,4-Trimethylpentane
Concen: 8.792 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. -0.00 min
Lab File: VL032245.D
Acq: 13 Jul 2018 12:37

Tgt Ion: 57 Resp: 5788763
Ion Ratio Lower Upper
57 100
41 30.3 24.7 37.1
56 31.2 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 11.332 ppbv

RT: 9.51 min Scan# 2619

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

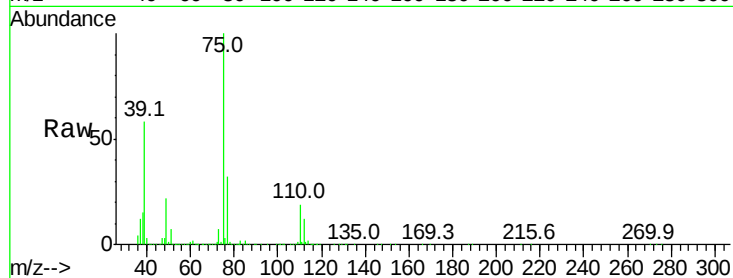
ICVVL071318

Tgt Ion: 75 Resp: 1996605

Ion Ratio Lower Upper

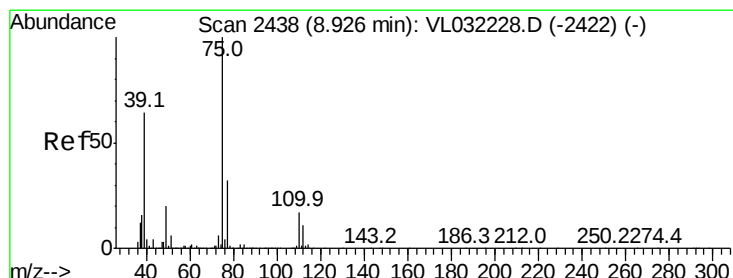
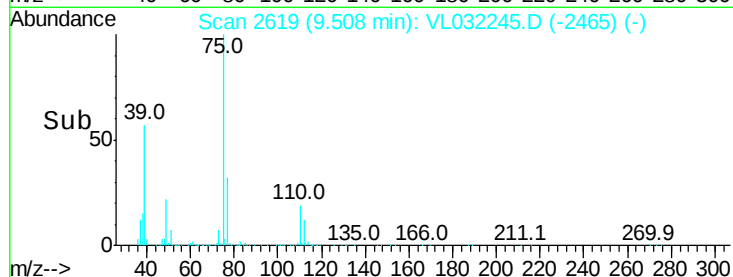
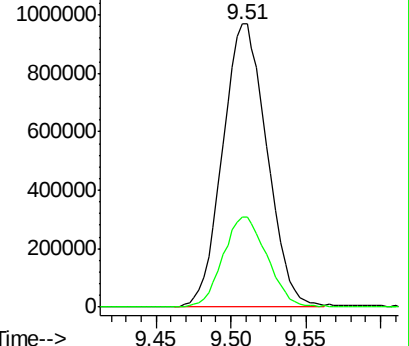
75 100

77 31.6 25.5 38.3



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.701 ppbv

RT: 8.93 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

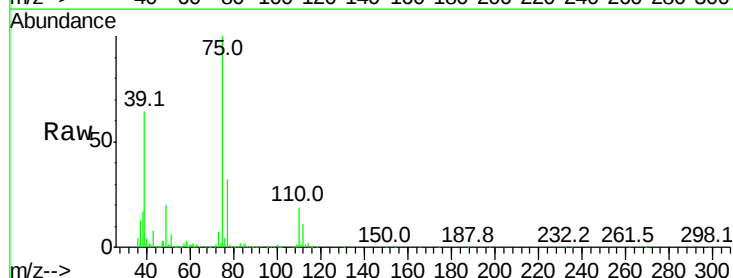
Tgt Ion: 75 Resp: 2571560

Ion Ratio Lower Upper

75 100

39 64.1 50.9 76.3

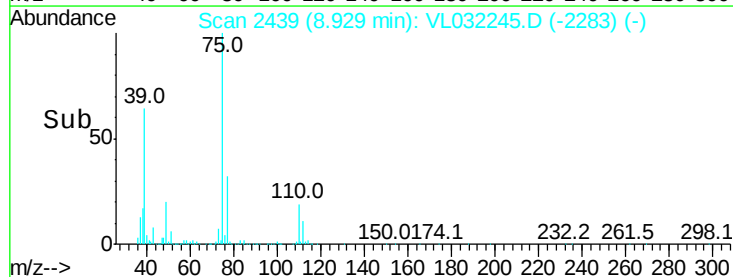
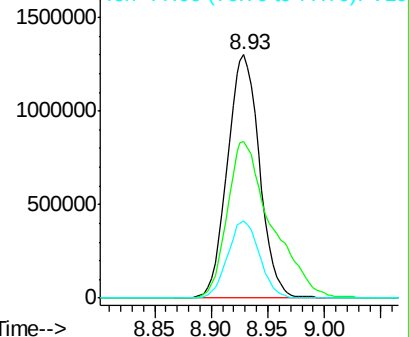
77 31.7 25.3 37.9

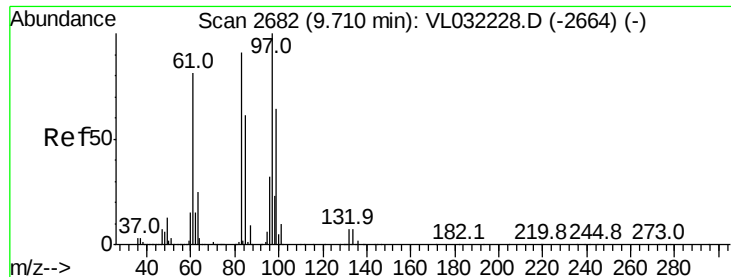


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 9.249 ppbv

RT: 9.71 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071318

Tgt Ion: 97 Resp: 1571623

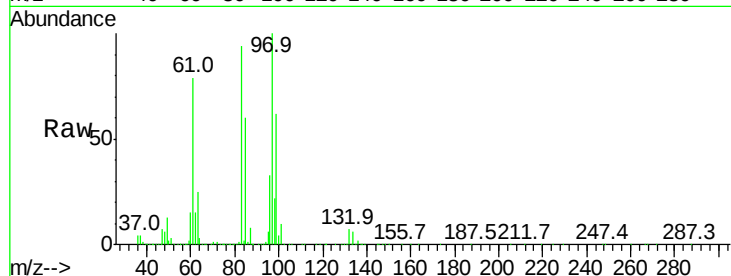
Ion Ratio Lower Upper

97 100

83 93.7 72.9 109.3

85 59.5 49.3 73.9

99 61.9 51.3 76.9

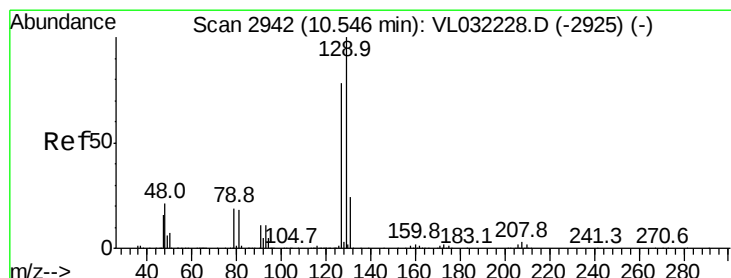
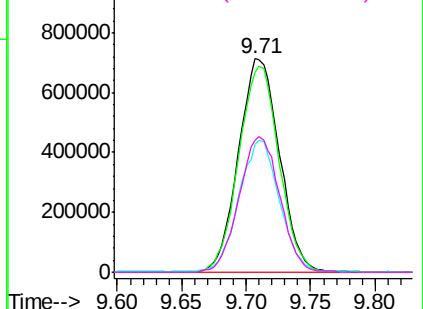
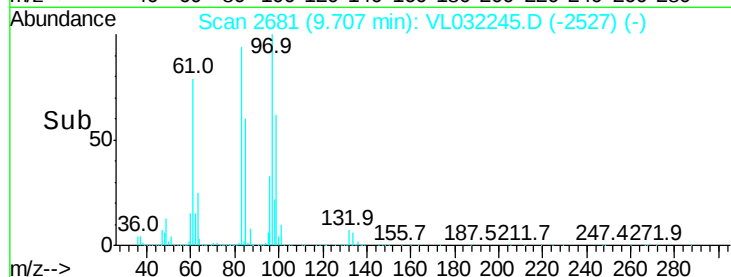


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.634 ppbv

RT: 10.55 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VL032245.D

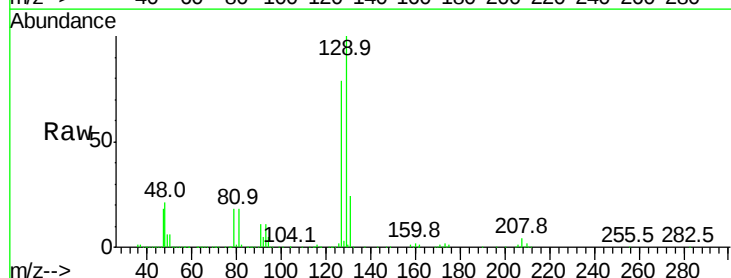
Acq: 13 Jul 2018 12:37

Tgt Ion: 129 Resp: 2435513

Ion Ratio Lower Upper

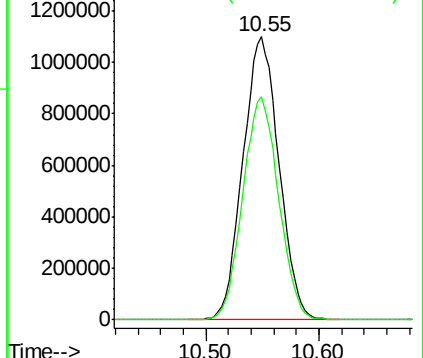
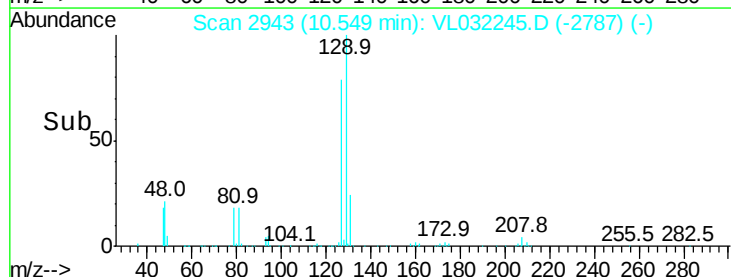
129 100

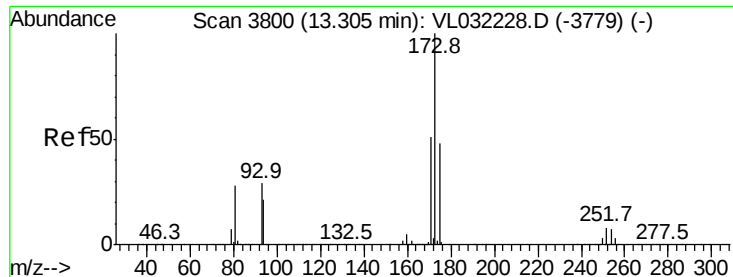
127 78.5 39.3 117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.036 ppbv

RT: 13.30 min Scan# 3799

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071318

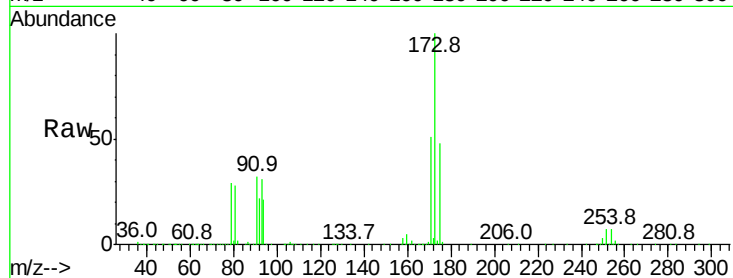
Tgt Ion:173 Resp: 2033920

Ion Ratio Lower Upper

173 100

175 48.9 39.4 59.2

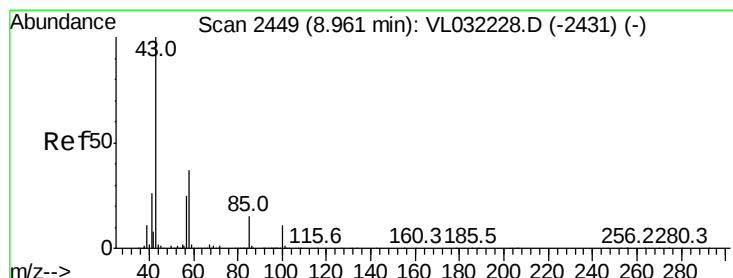
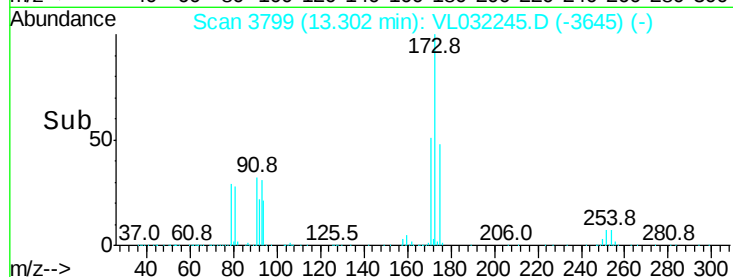
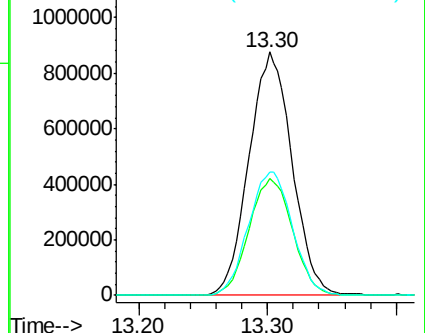
171 52.1 41.8 62.6



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: 9.728 ppbv

RT: 8.96 min Scan# 2449

Delta R.T. -0.00 min

Lab File: VL032245.D

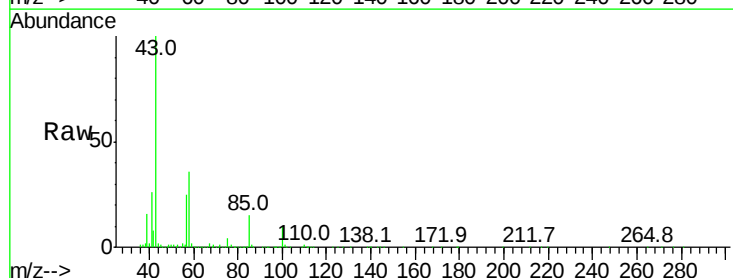
Acq: 13 Jul 2018 12:37

Tgt Ion: 43 Resp: 4416866

Ion Ratio Lower Upper

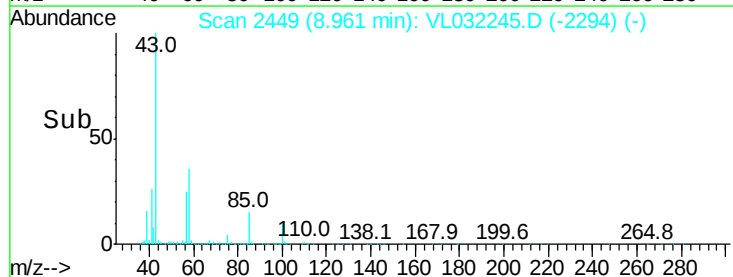
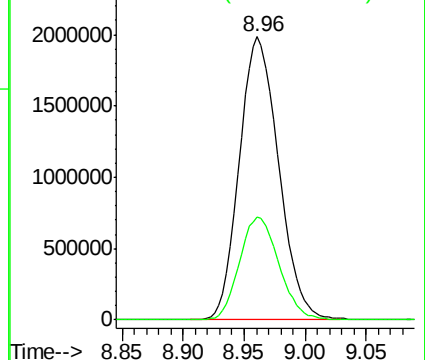
43 100

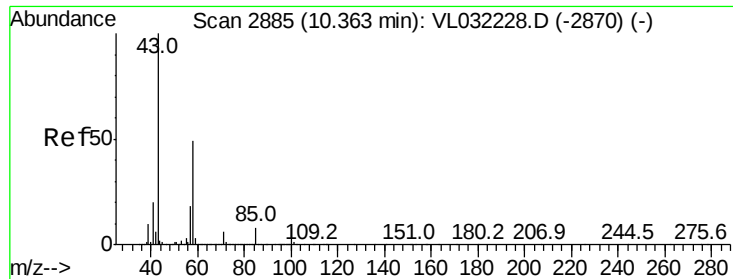
58 36.7 29.5 44.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.367 ppbv

RT: 10.37 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071318

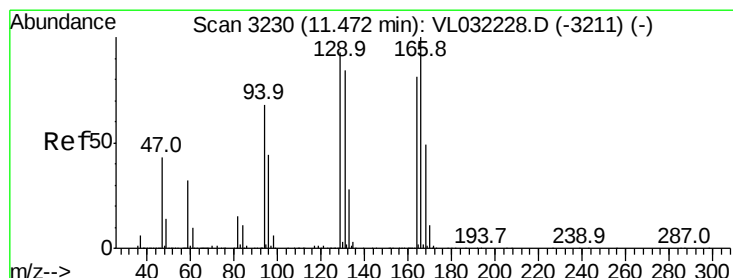
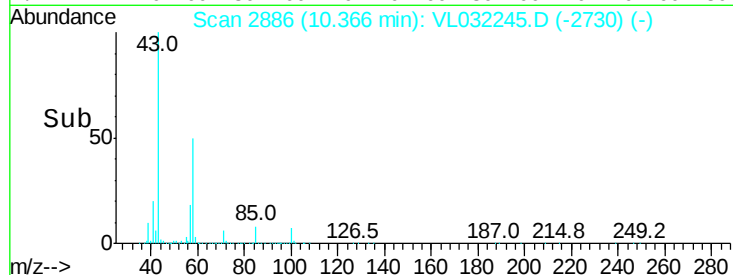
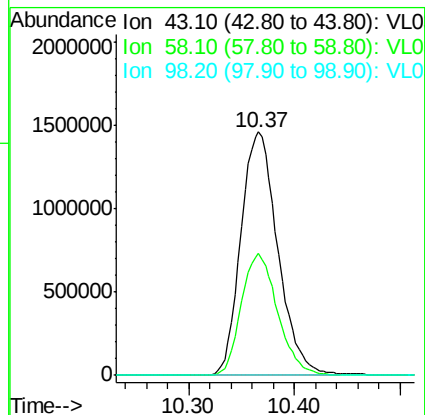
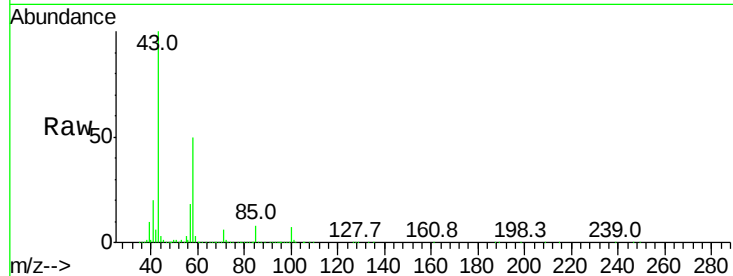
Tgt Ion: 43 Resp: 3551950

Ion Ratio Lower Upper

43 100

58 49.7 39.9 59.9

98 0.3 0.2 0.4



#52

Tetrachloroethene

Concen: 8.570 ppbv

RT: 11.47 min Scan# 3229

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Tgt Ion: 164 Resp: 1212239

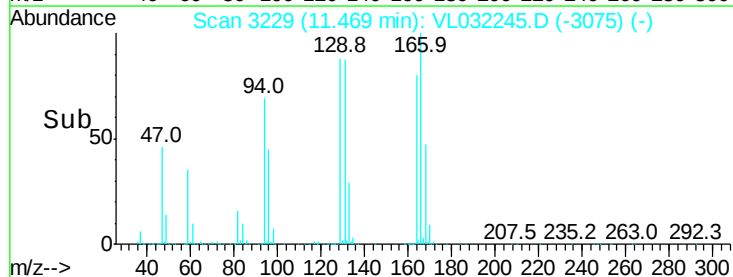
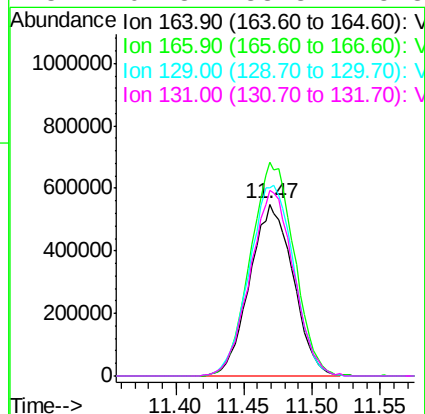
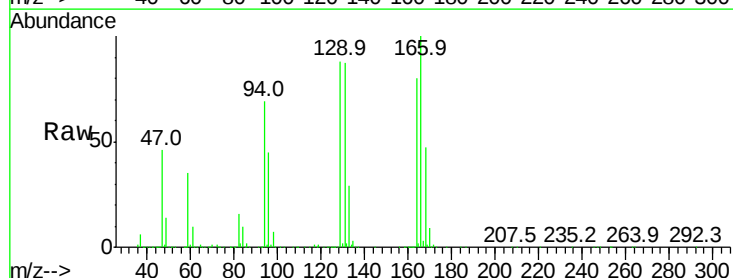
Ion Ratio Lower Upper

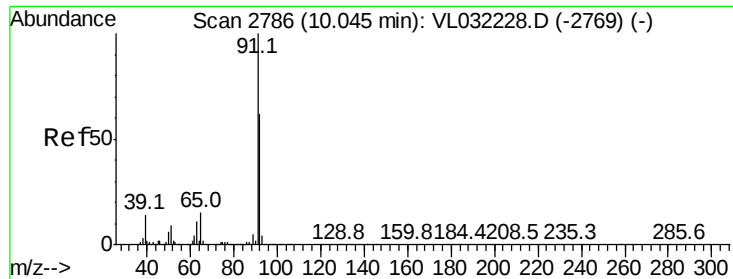
164 100

166 124.5 99.3 148.9

129 109.7 92.0 138.0

131 107.8 83.8 125.8





#53

Toluene

Concen: 9.916 ppbv

RT: 10.04 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

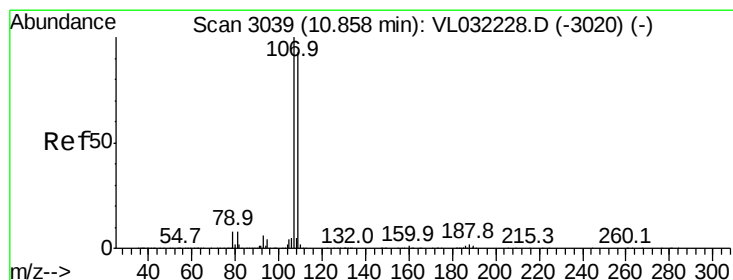
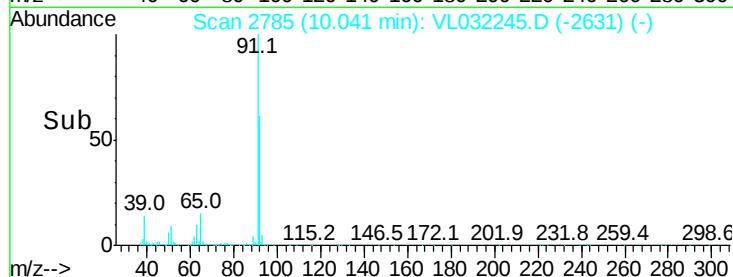
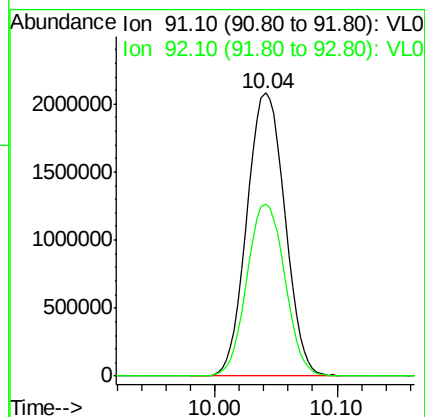
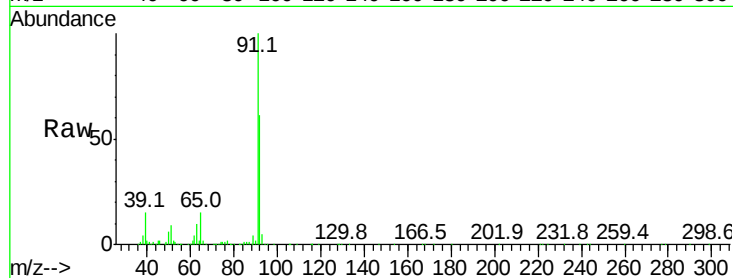
ICVVL071318

Tgt Ion: 91 Resp: 4488233

Ion Ratio Lower Upper

91 100

92 60.8 49.0 73.4



#54

1,2-Dibromoethane

Concen: 9.746 ppbv

RT: 10.86 min Scan# 3039

Delta R.T. -0.00 min

Lab File: VL032245.D

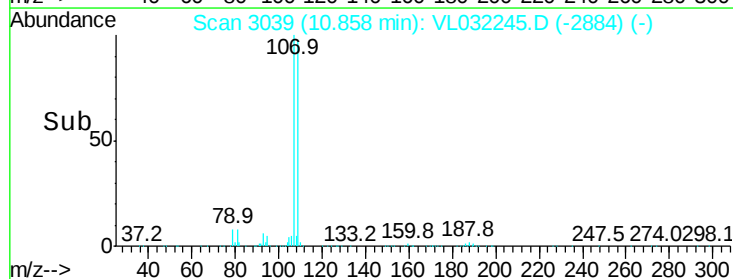
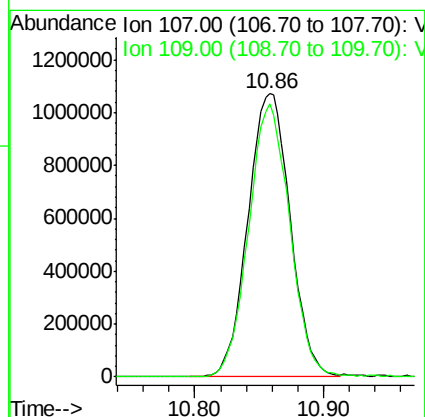
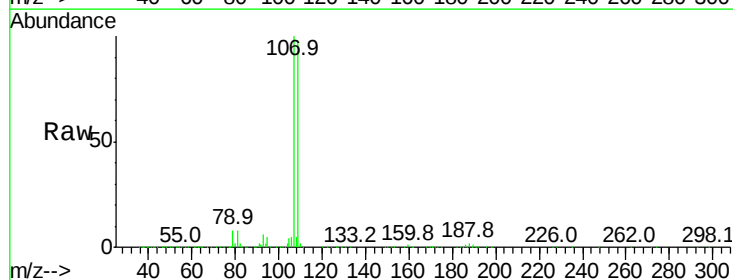
Acq: 13 Jul 2018 12:37

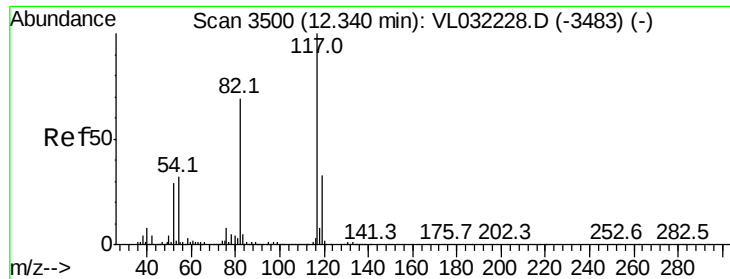
Tgt Ion: 107 Resp: 2444831

Ion Ratio Lower Upper

107 100

109 96.7 74.3 111.5

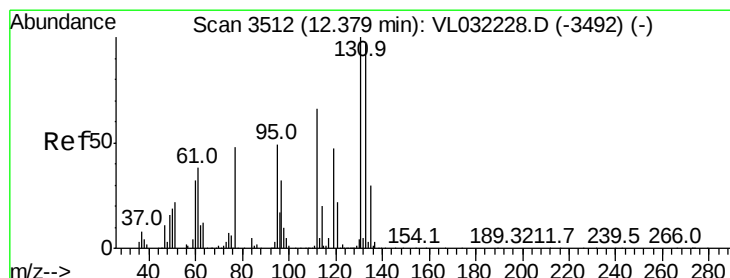
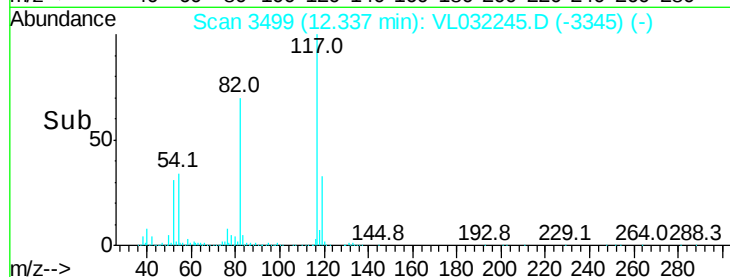
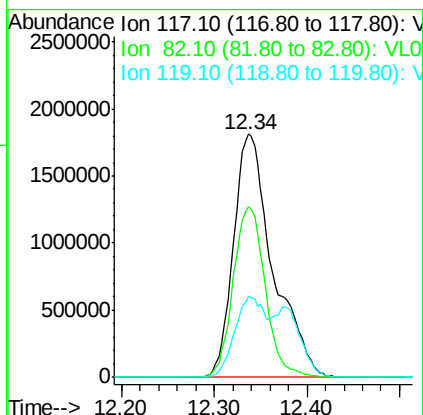
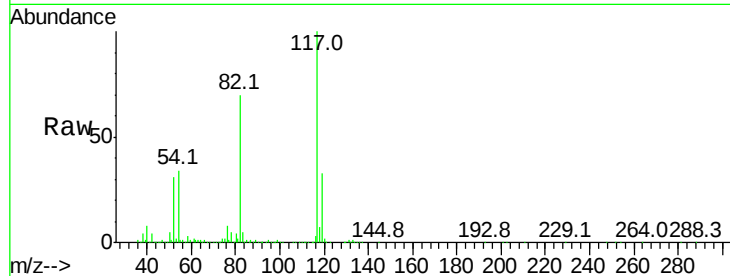




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3499
Delta R.T. -0.00 min
Lab File: VL032245.D
Acq: 13 Jul 2018 12:37

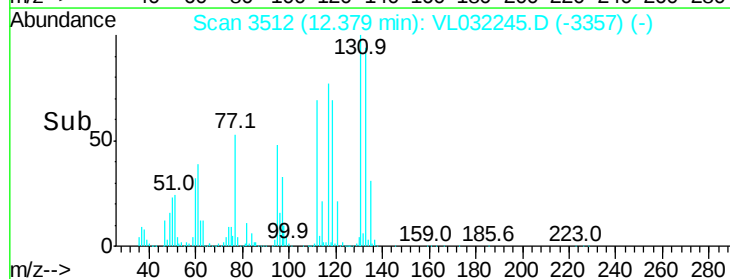
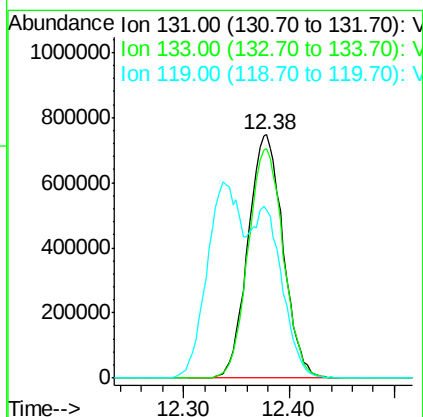
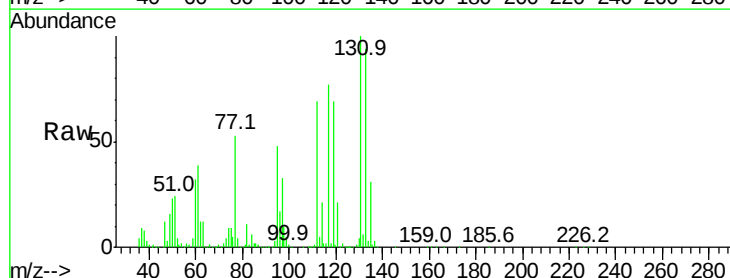
Instrument :
MSVOA_L
ClientSampleId :
ICVVL071318

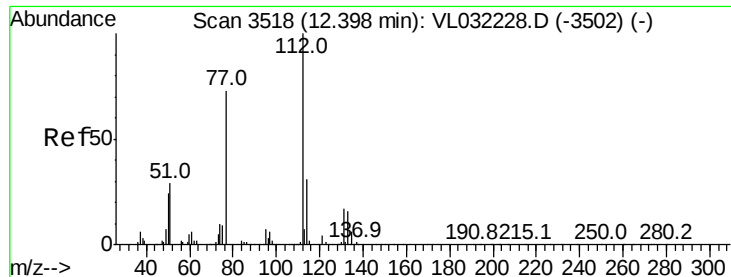
Tgt Ion:117 Resp: 5348255
Ion Ratio Lower Upper
117 100
82 57.0 53.2 79.8
119 46.2 43.9 65.9



#56
1,1,1,2-Tetrachloroethane
Concen: 7.430 ppbv
RT: 12.38 min Scan# 3512
Delta R.T. -0.00 min
Lab File: VL032245.D
Acq: 13 Jul 2018 12:37

Tgt Ion:131 Resp: 1726060
Ion Ratio Lower Upper
131 100
133 95.0 75.2 112.8
119 143.1 113.9 170.9





#57

Chlorobenzene

Concen: 7.183 ppbv

RT: 12.40 min Scan# 3519

Delta R.T. 0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071318

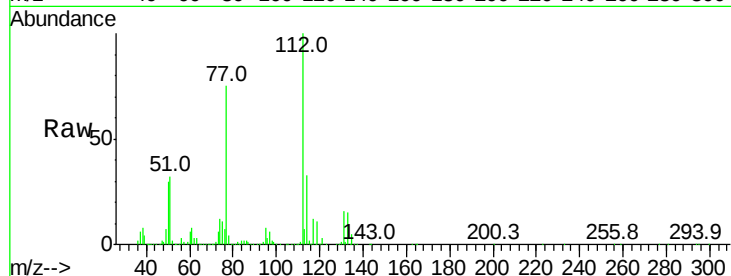
Tgt Ion:112 Resp: 3246948

Ion Ratio Lower Upper

112 100

77 74.5 58.8 88.2

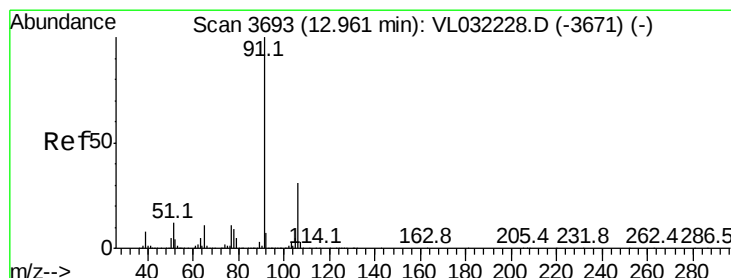
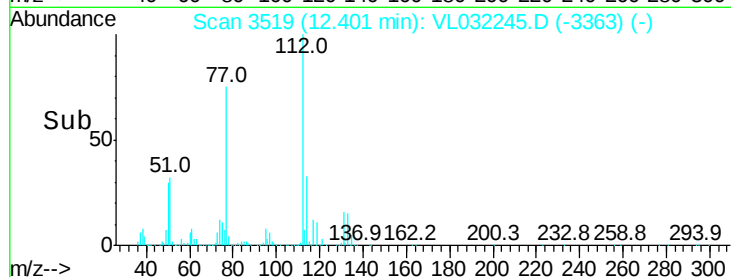
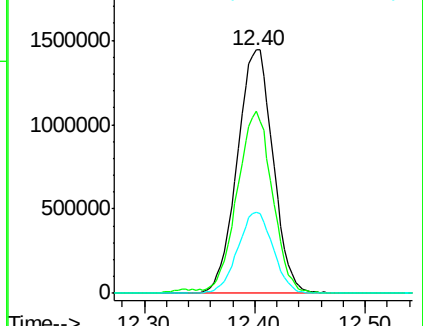
114 32.9 27.9 34.1



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: 7.857 ppbv

RT: 12.96 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VL032245.D

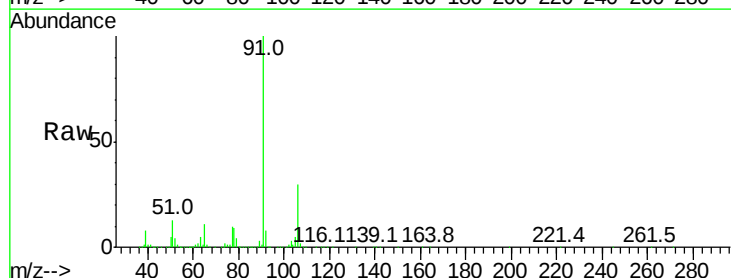
Acq: 13 Jul 2018 12:37

Tgt Ion: 91 Resp: 6118828

Ion Ratio Lower Upper

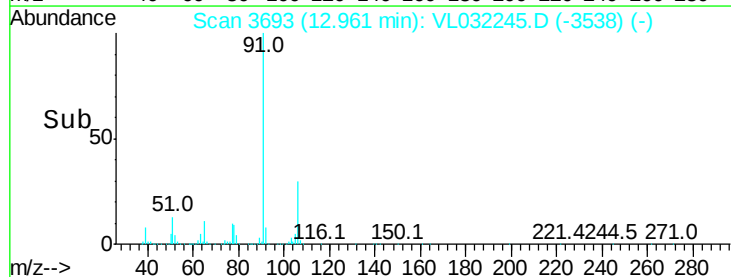
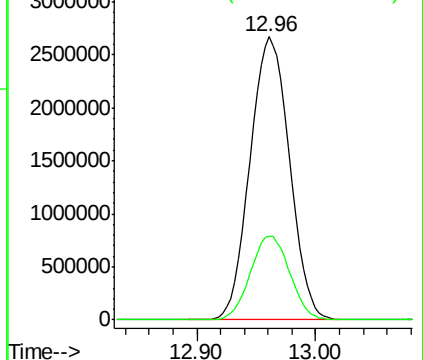
91 100

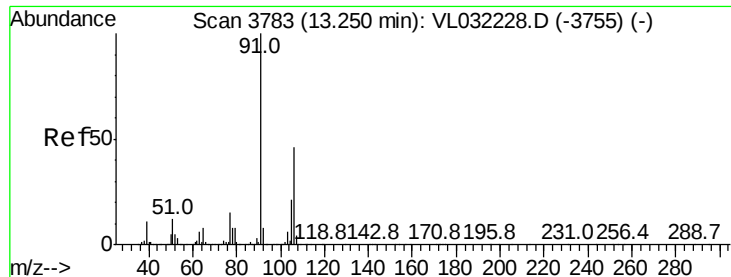
106 29.7 24.5 36.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.435 ppbv

RT: 13.25 min Scan# 3782

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

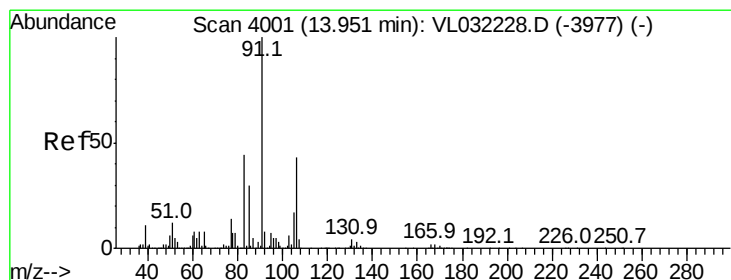
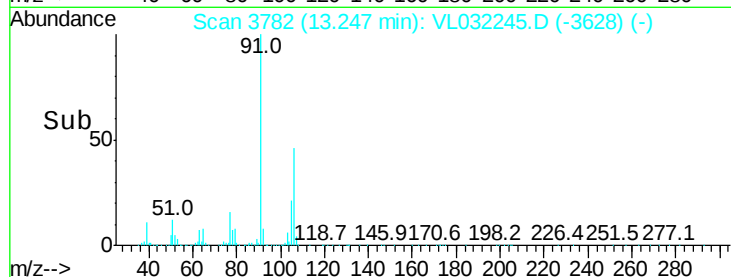
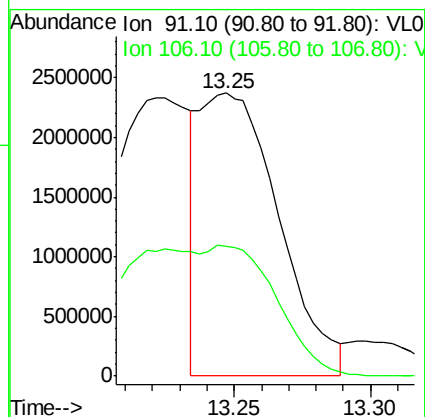
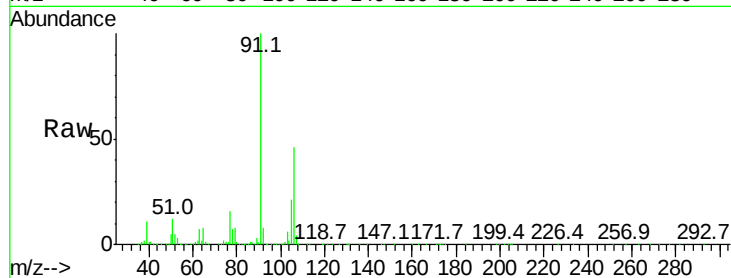
ICVVL071318

Tgt Ion: 91 Resp: 4764185

Ion Ratio Lower Upper

91 100

106 92.6 36.4 54.6#



#60

o-Xylene

Concen: 7.486 ppbv

RT: 13.95 min Scan# 4000

Delta R.T. -0.00 min

Lab File: VL032245.D

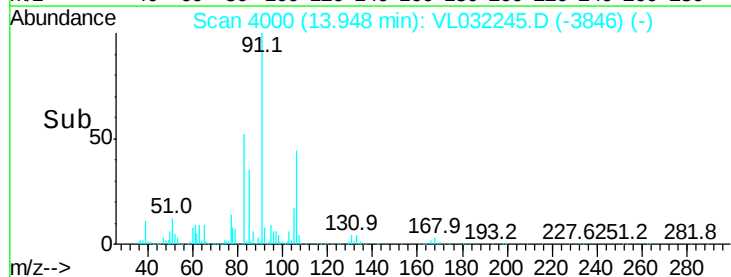
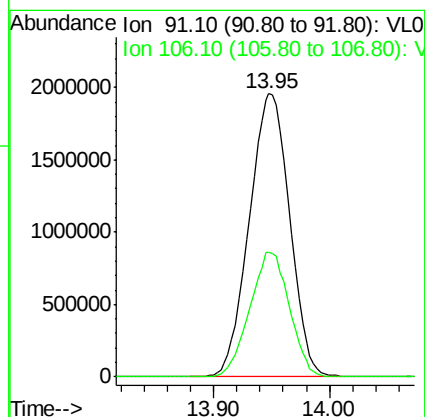
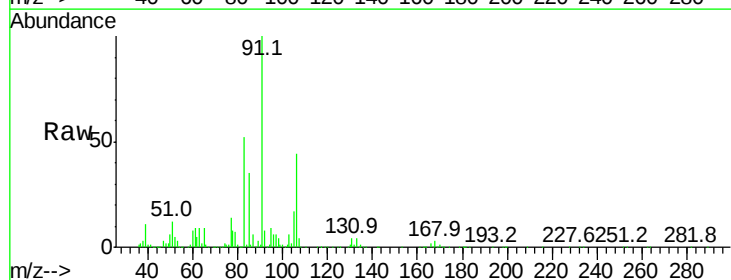
Acq: 13 Jul 2018 12:37

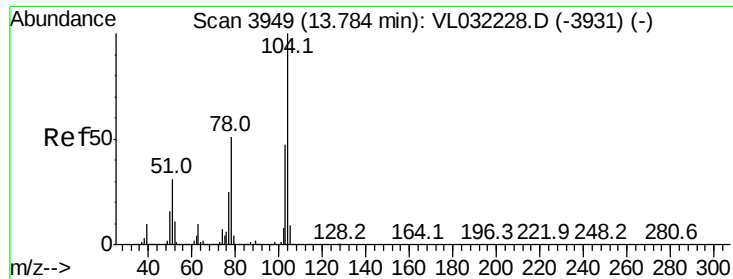
Tgt Ion: 91 Resp: 4733673

Ion Ratio Lower Upper

91 100

106 43.4 21.9 65.5





#61

Styrene

Concen: 8.219 ppbv

RT: 13.78 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071318

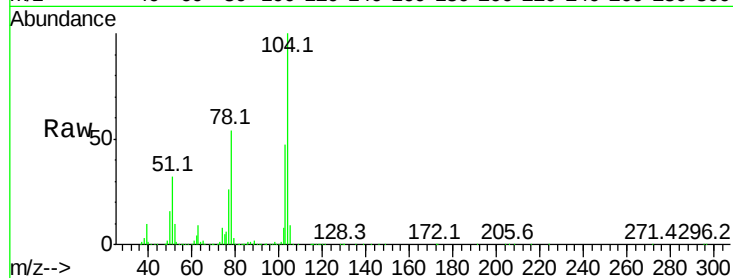
Tgt Ion:104 Resp: 3894102

Ion Ratio Lower Upper

104 100

78 54.9 43.4 65.0

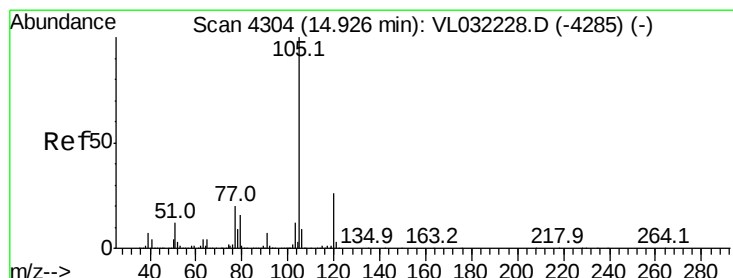
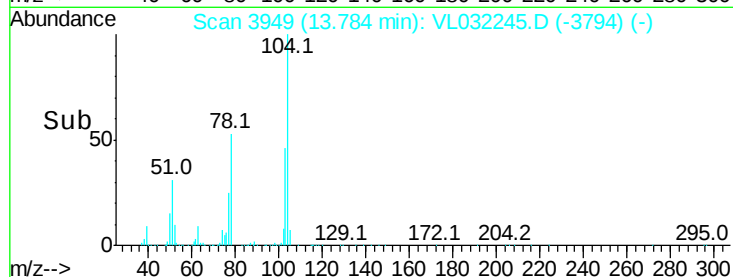
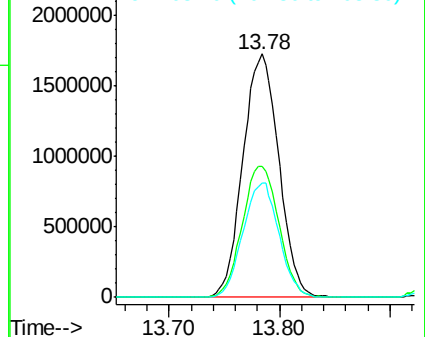
103 47.3 38.0 57.0



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: 7.511 ppbv

RT: 14.93 min Scan# 4304

Delta R.T. -0.00 min

Lab File: VL032245.D

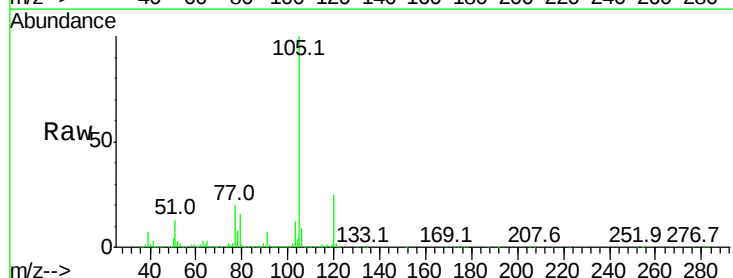
Acq: 13 Jul 2018 12:37

Tgt Ion:105 Resp: 6659389

Ion Ratio Lower Upper

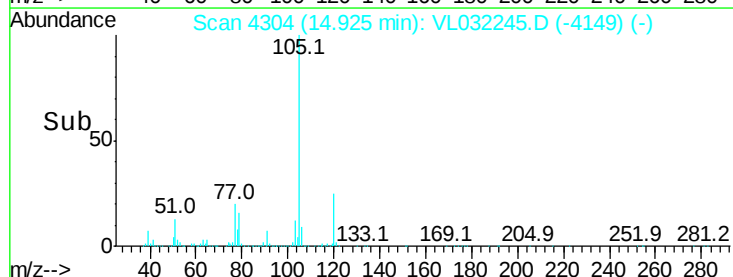
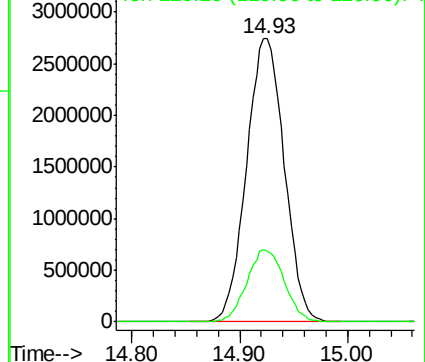
105 100

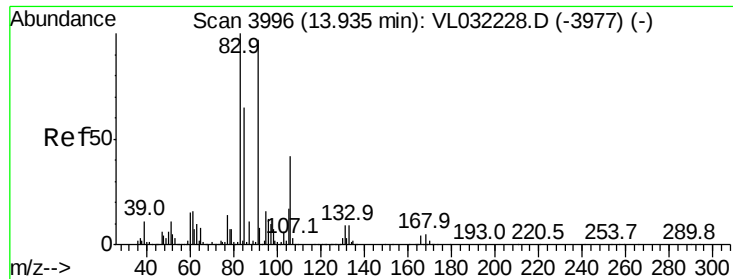
120 25.3 20.2 30.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

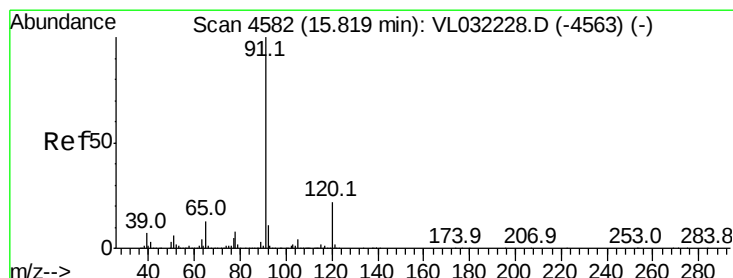
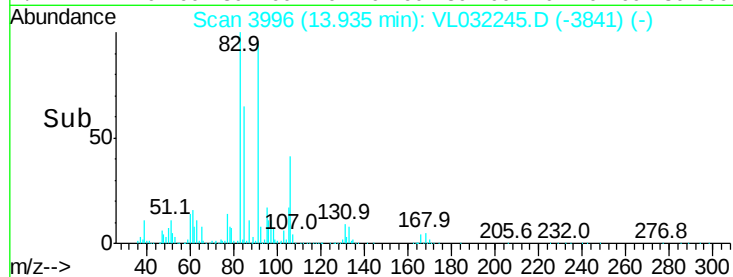
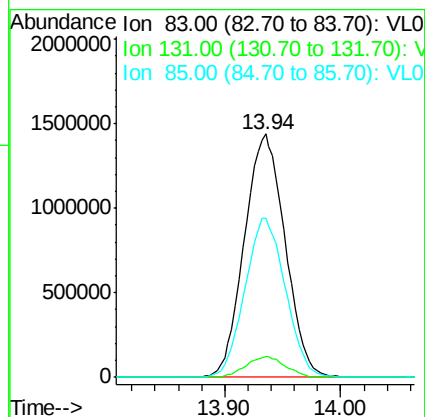
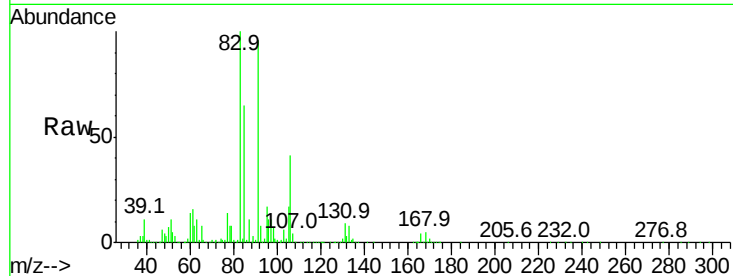




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.826 ppbv
 RT: 13.94 min Scan# 3996
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

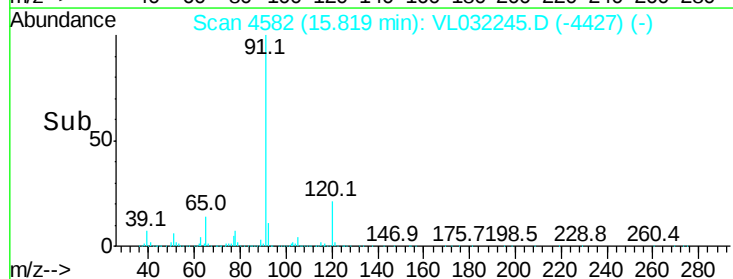
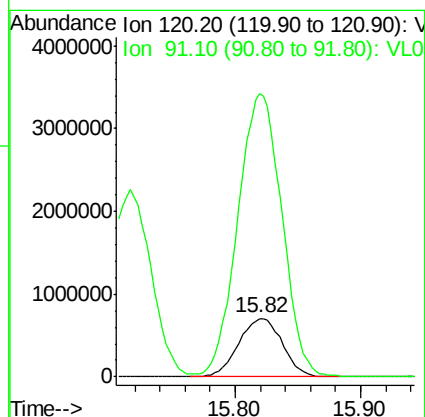
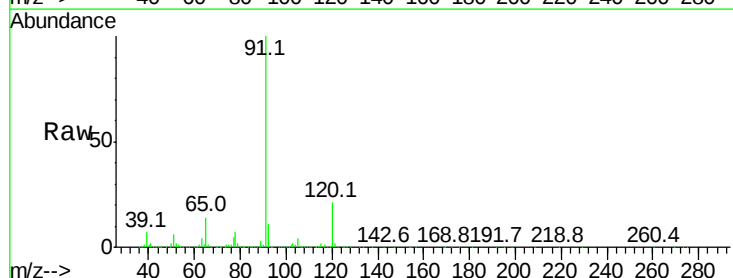
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071318

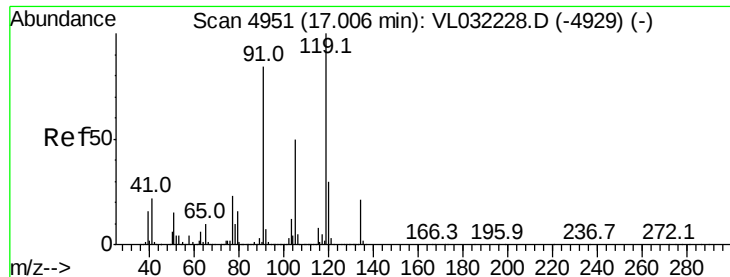
Tgt Ion: 83 Resp: 3511094
 Ion Ratio Lower Upper
 83 100
 131 8.4 4.3 12.8
 85 65.2 32.5 97.5



#64
 n-propylbenzene
 Concen: 7.592 ppbv
 RT: 15.82 min Scan# 4582
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

Tgt Ion: 120 Resp: 1703906
 Ion Ratio Lower Upper
 120 100
 91 491.8 385.0 577.4





#65

tert-Butylbenzene

Concen: 7.312 ppbv

RT: 17.01 min Scan# 4951

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071318

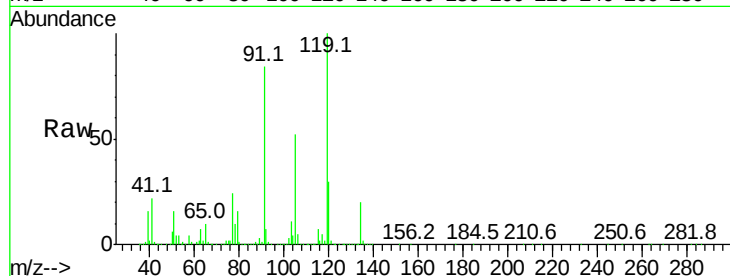
Tgt Ion: 119 Resp: 5430265

Ion Ratio Lower Upper

119 100

91 86.7 68.6 102.8

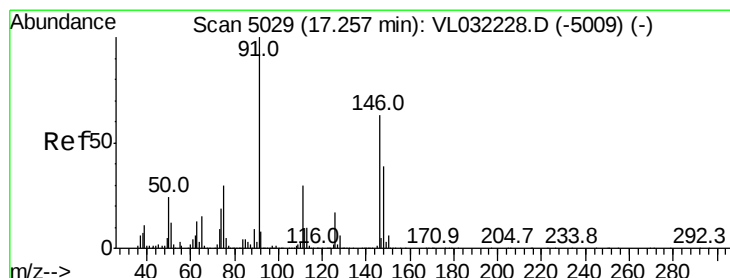
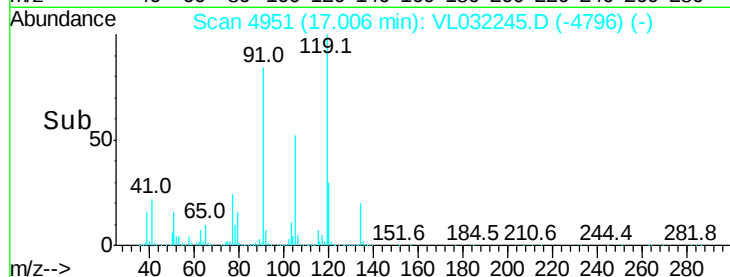
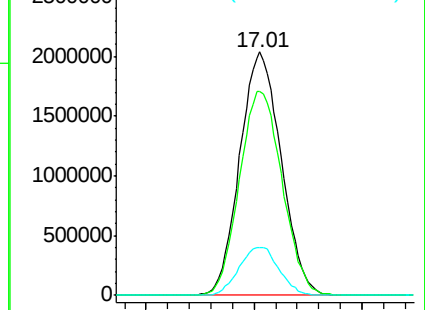
134 19.1 15.4 23.2



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.856 ppbv

RT: 17.26 min Scan# 5029

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

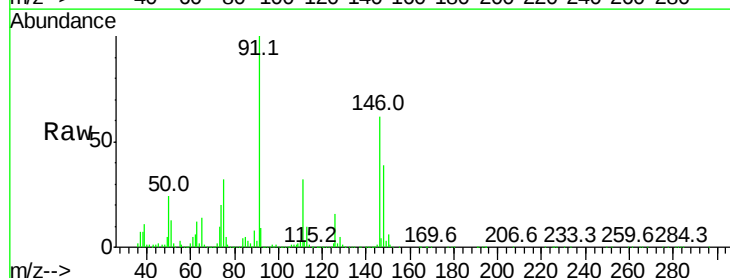
Tgt Ion: 91 Resp: 3704311

Ion Ratio Lower Upper

91 100

126 16.5 13.4 20.0

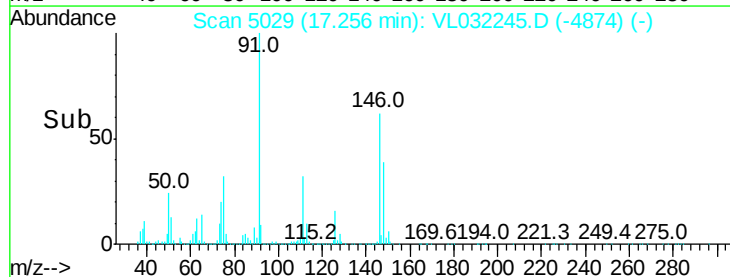
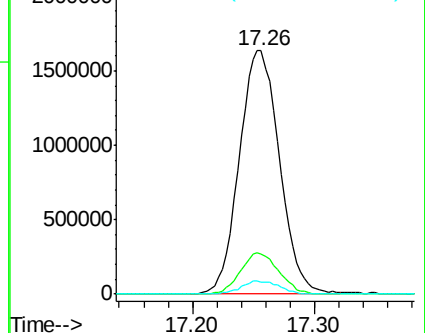
128 5.3 4.5 6.7

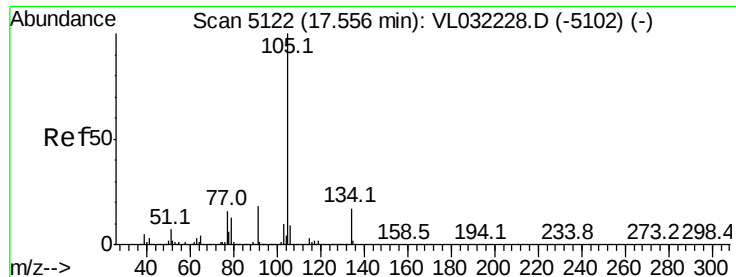


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

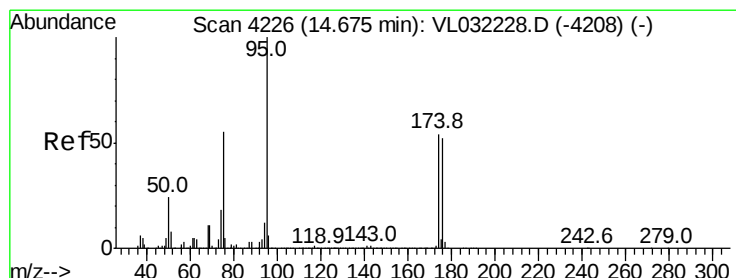
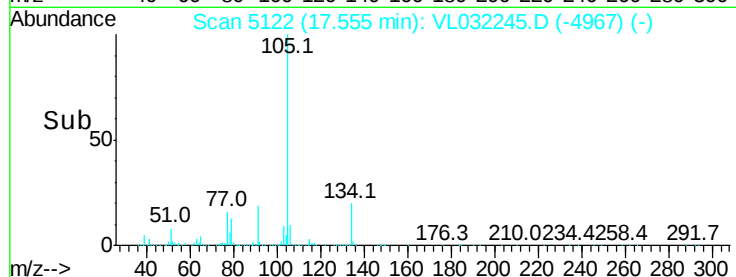
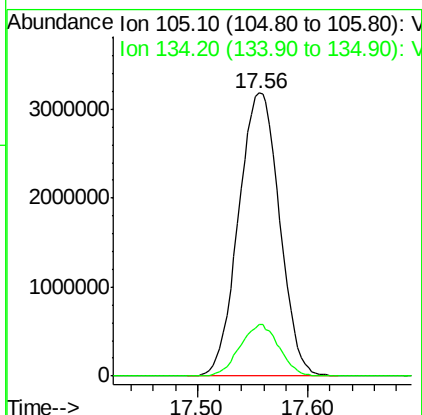
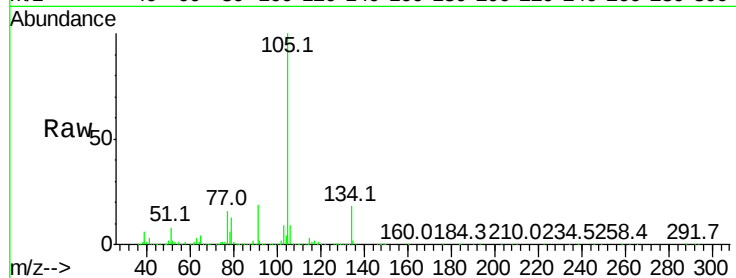




#67
 sec-Butylbenzene
 Concen: 7.548 ppbv
 RT: 17.56 min Scan# 5122
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

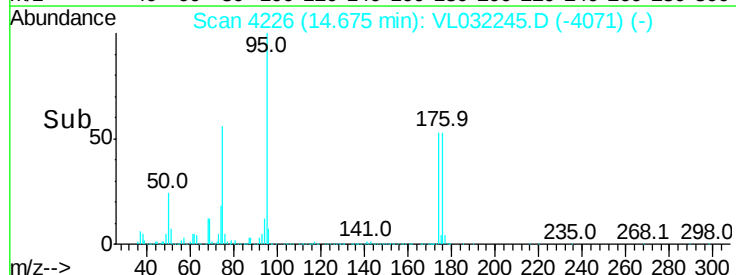
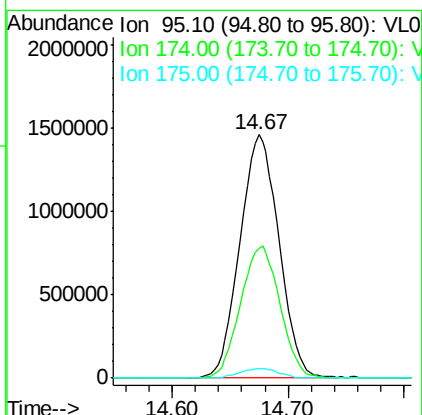
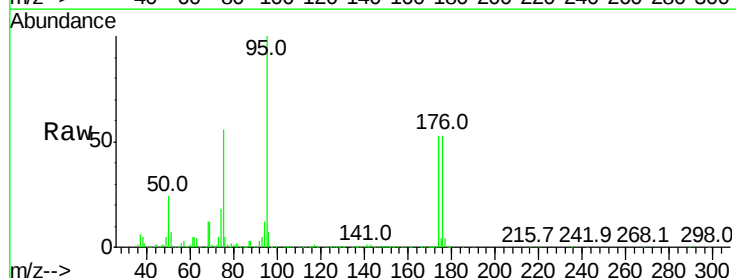
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071318

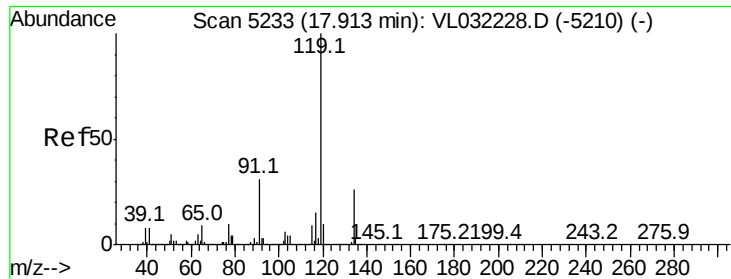
Tgt Ion: 105 Resp: 8190208
 Ion Ratio Lower Upper
 105 100
 134 17.4 14.2 21.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.284 ppbv
 RT: 14.67 min Scan# 4226
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

Tgt Ion: 95 Resp: 3429646
 Ion Ratio Lower Upper
 95 100
 174 55.3 44.6 67.0
 175 4.1 3.3 4.9



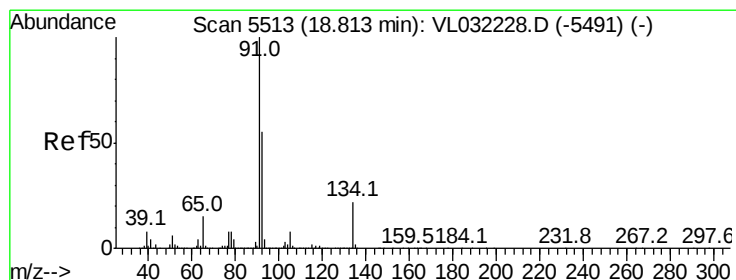
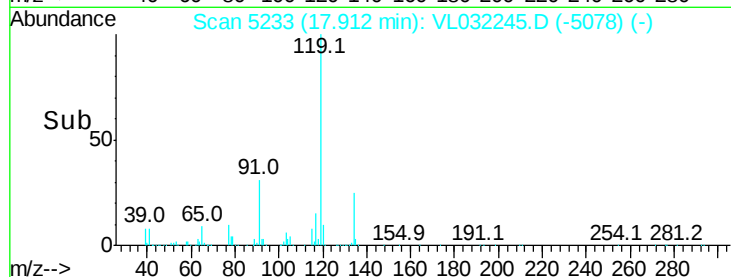
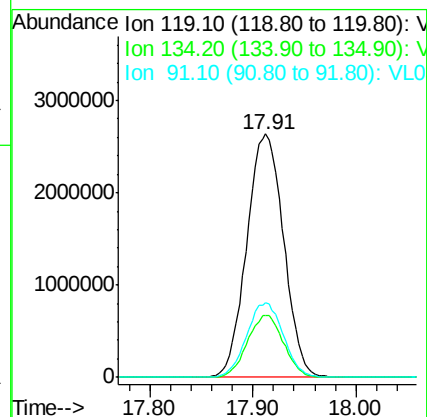
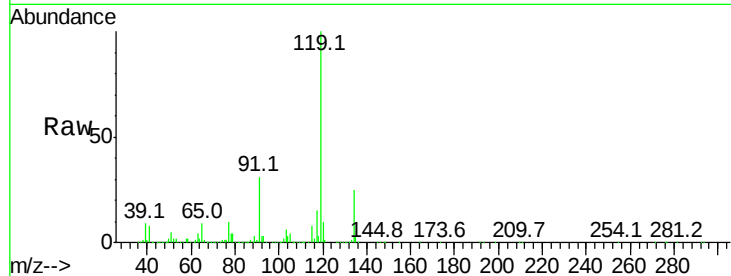


#69
 p-Isopropyltoluene
 Concen: 7.738 ppbv
 RT: 17.91 min Scan# 5233
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071318

Tgt Ion: 119 Resp: 6537953

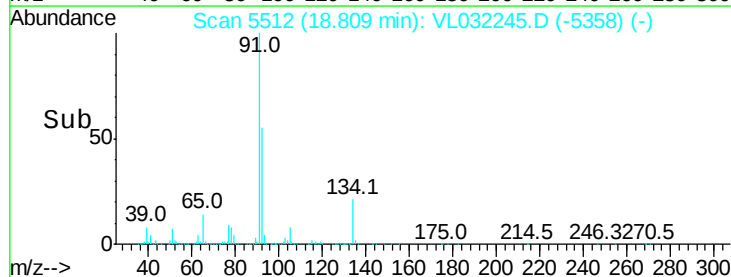
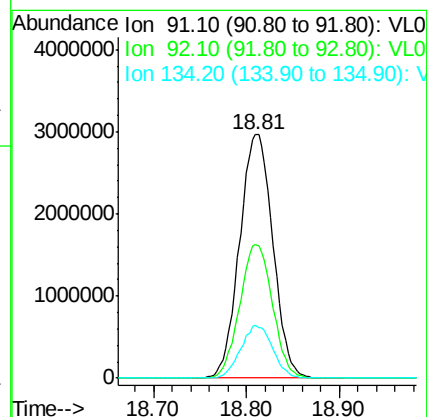
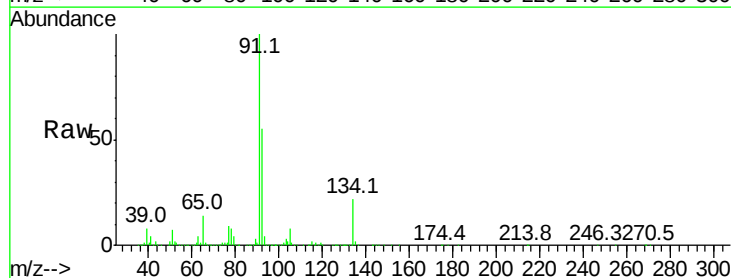
Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.1	30.1
91	30.6	24.2	36.2

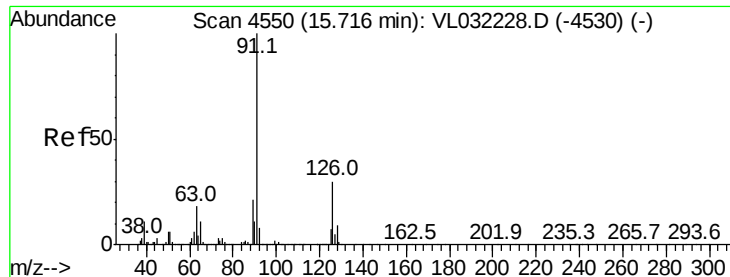


#70
 n-Butylbenzene
 Concen: 7.869 ppbv
 RT: 18.81 min Scan# 5512
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

Tgt Ion: 91 Resp: 7344560

Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.6	65.4
134	20.9	17.1	25.7





#71

2-Chlorotoluene

Concen: 7.670 ppbv

RT: 15.72 min Scan# 4550

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

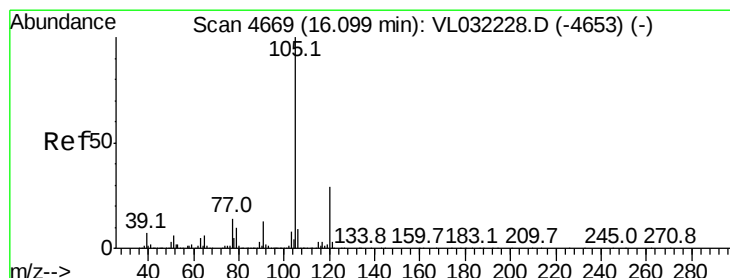
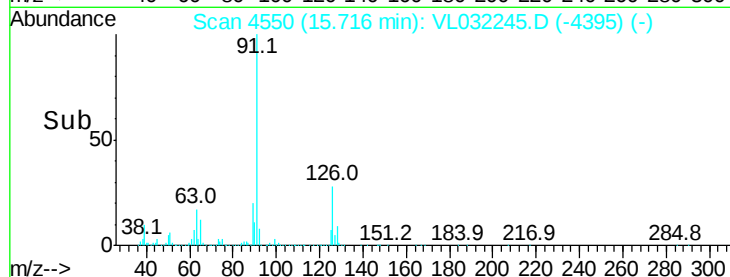
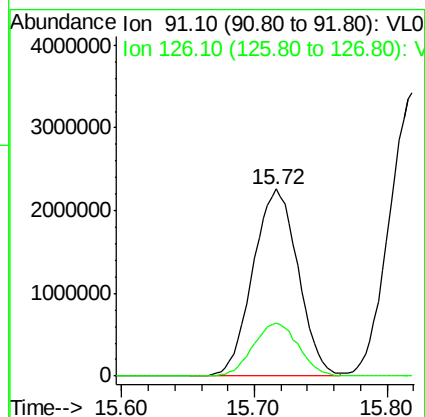
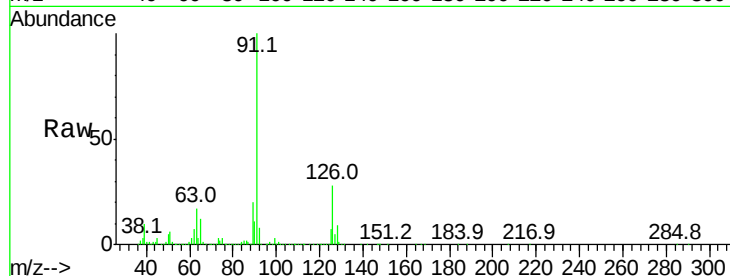
ICVVL071318

Tgt Ion: 91 Resp: 5351931

Ion Ratio Lower Upper

91 100

126 28.6 11.7 46.7



#72

4-Ethyltoluene

Concen: 8.000 ppbv

RT: 16.10 min Scan# 4669

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Tgt Ion: 105 Resp: 5675601

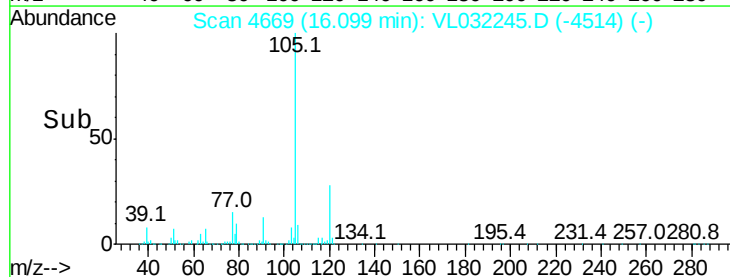
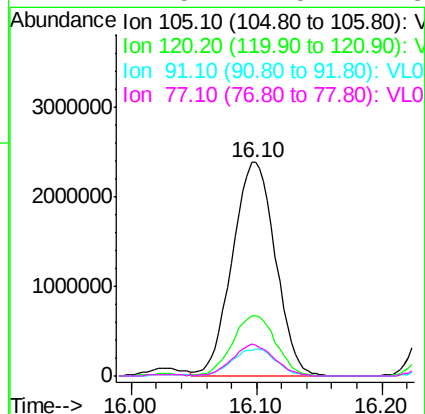
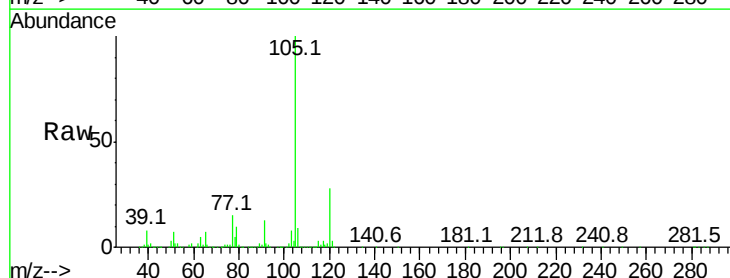
Ion Ratio Lower Upper

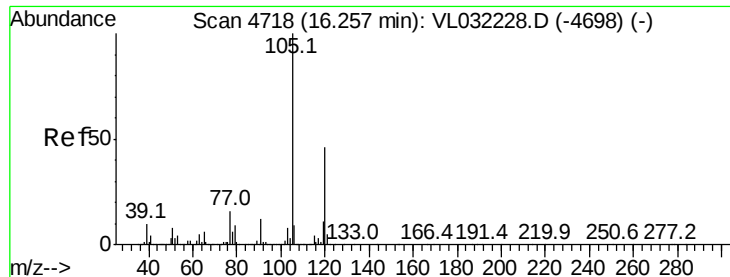
105 100

120 28.5 23.3 34.9

91 12.8 10.3 15.5

77 14.5 11.5 17.3

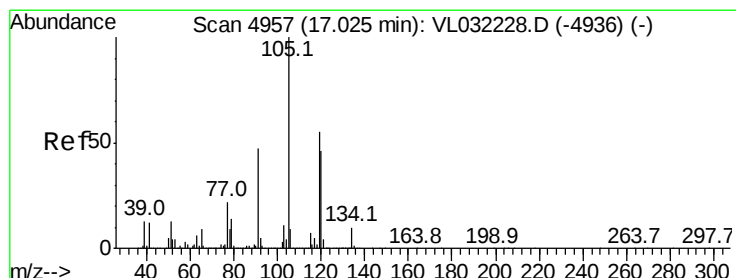
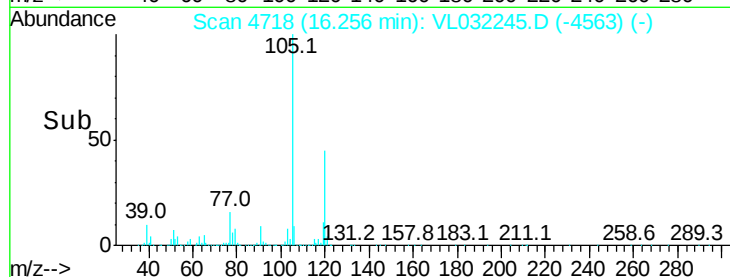
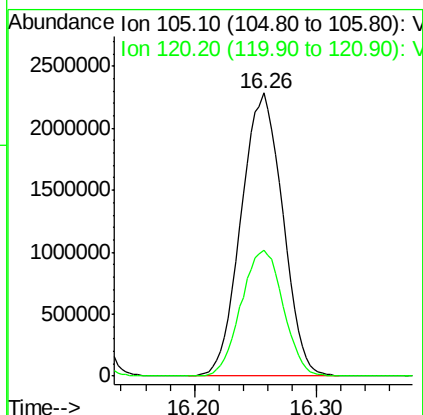
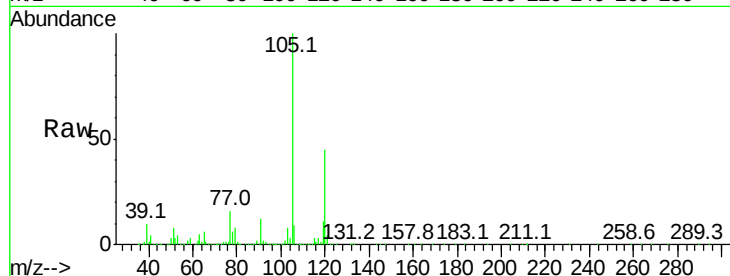




#73
 1,3,5-Trimethylbenzene
 Concen: 8.136 ppbv
 RT: 16.26 min Scan# 4718
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

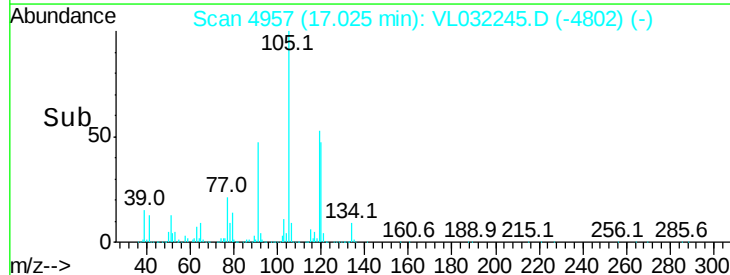
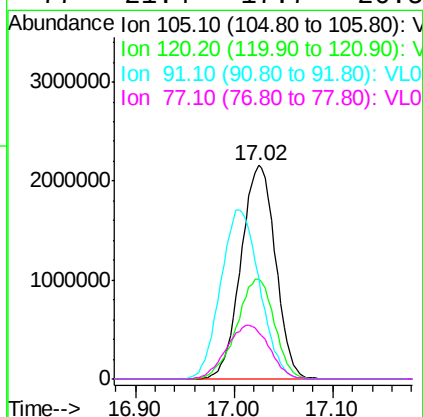
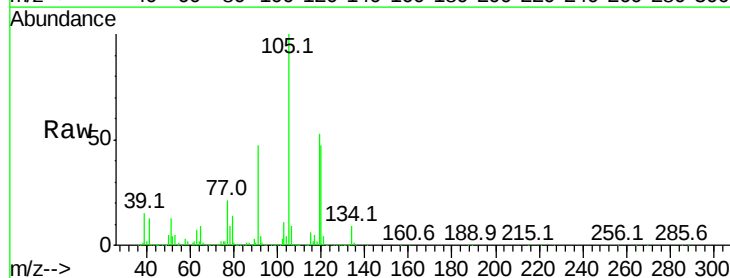
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071318

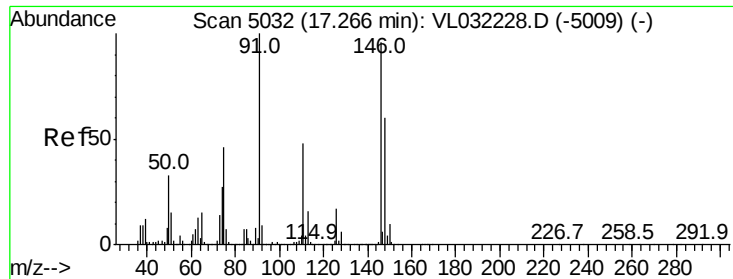
Tgt Ion:105 Resp: 5367201
 Ion Ratio Lower Upper
 105 100
 120 44.6 36.6 54.8



#74
 1,2,4-Trimethylbenzene
 Concen: 7.742 ppbv
 RT: 17.02 min Scan# 4957
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

Tgt Ion:105 Resp: 5222286
 Ion Ratio Lower Upper
 105 100
 120 46.8 37.0 55.4
 91 47.3 38.2 57.2
 77 21.4 17.7 26.5





#75

1,3-Dichlorobenzene

Concen: 7.146 ppbv

RT: 17.27 min Scan# 5032

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071318

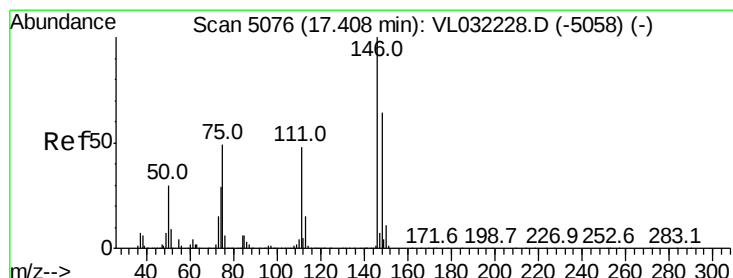
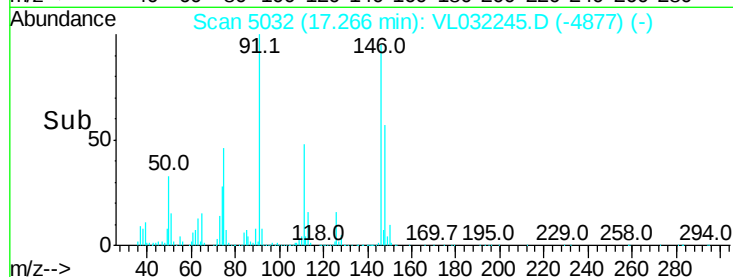
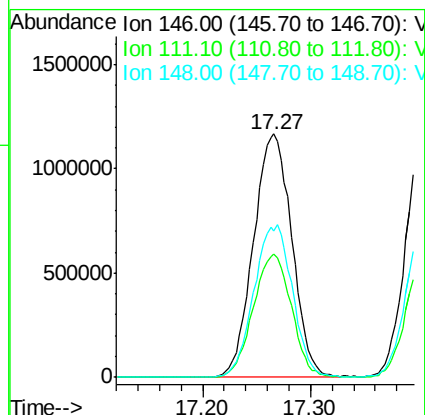
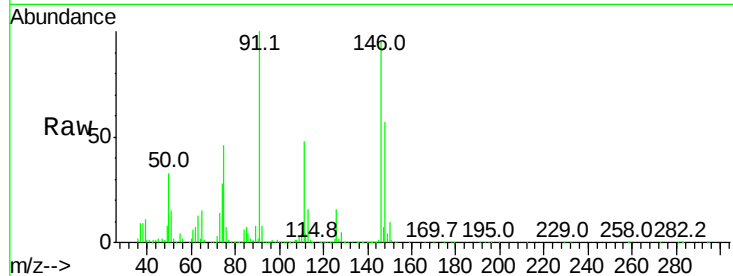
Tgt Ion:146 Resp: 2875632

Ion Ratio Lower Upper

146 100

111 50.4 24.9 74.7

148 63.1 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 7.480 ppbv

RT: 17.41 min Scan# 5076

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

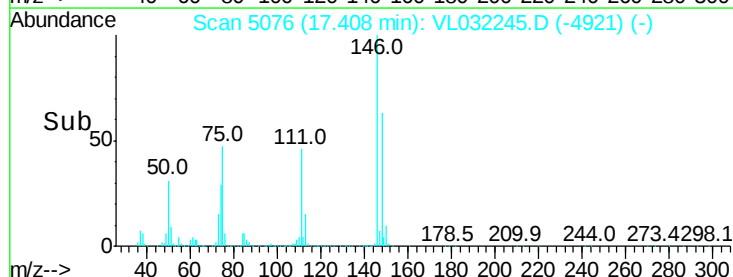
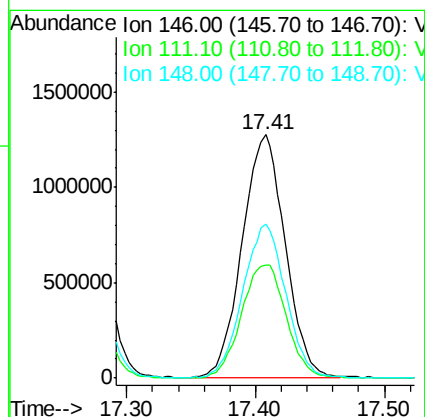
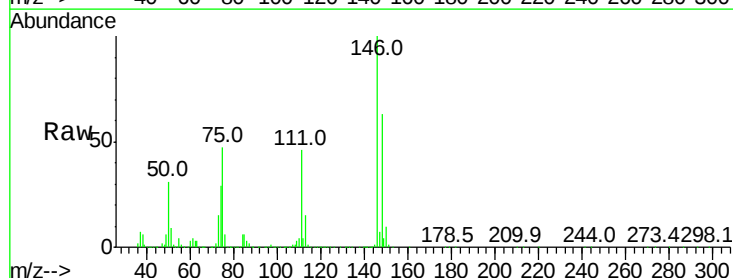
Tgt Ion:146 Resp: 2947787

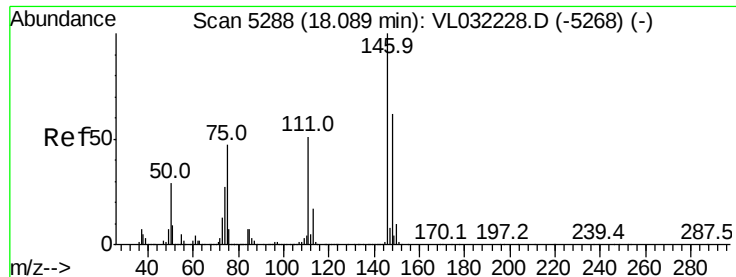
Ion Ratio Lower Upper

146 100

111 48.7 24.6 73.6

148 64.0 32.3 96.9

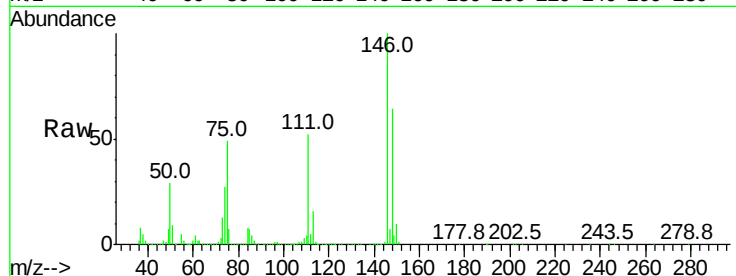




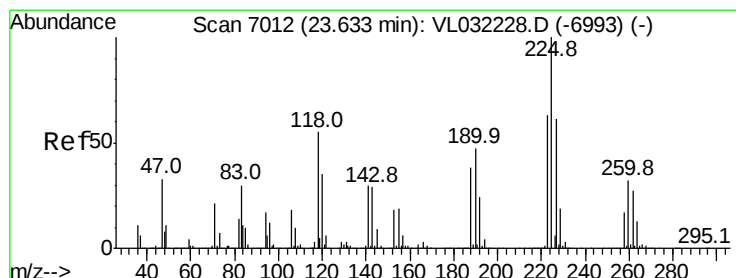
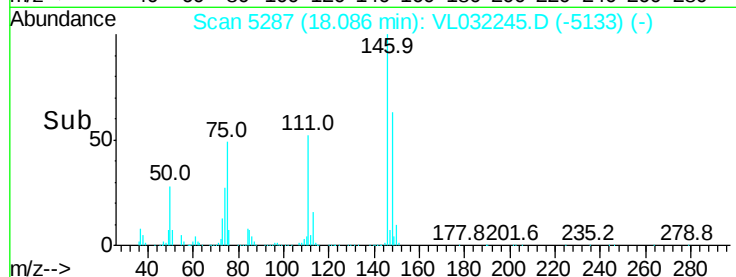
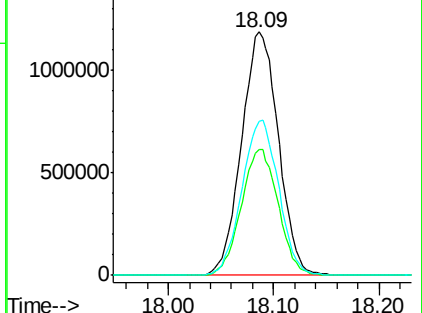
#77
 1,2-Dichlorobenzene
 Concen: 7.215 ppbv
 RT: 18.09 min Scan# 5287
 Delta R.T. -0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071318

Tgt Ion:146 Resp: 2885652
 Ion Ratio Lower Upper
 146 100
 111 51.9 26.1 78.3
 148 63.7 32.0 96.0

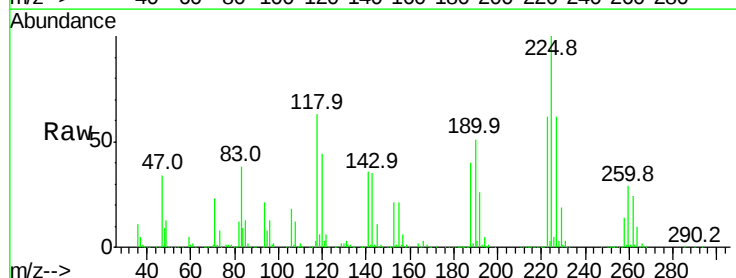


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

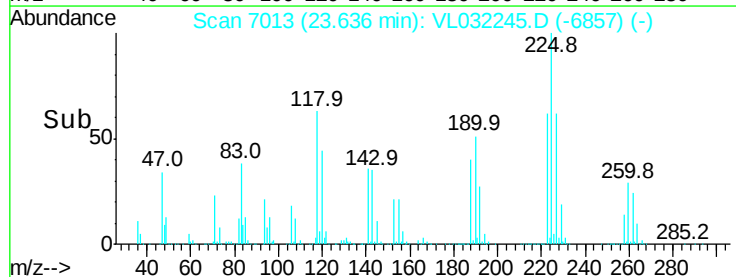
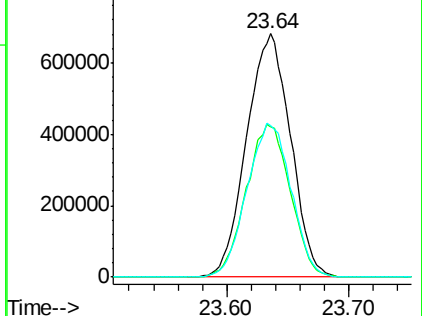


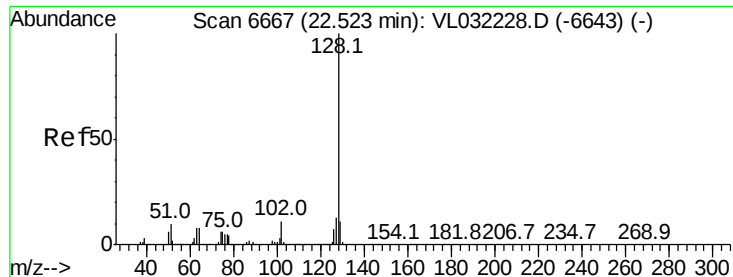
#78
 Hexachloro-1,3-Butadiene
 Concen: 13.642 ppbv
 RT: 23.64 min Scan# 7013
 Delta R.T. 0.00 min
 Lab File: VL032245.D
 Acq: 13 Jul 2018 12:37

Tgt Ion:225 Resp: 1700495
 Ion Ratio Lower Upper
 225 100
 223 62.9 50.3 75.5
 227 63.6 50.9 76.3



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 11.180 ppbv

RT: 22.52 min Scan# 6667

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071318

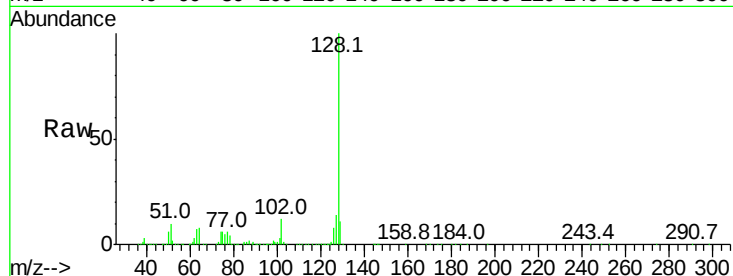
Tgt Ion:128 Resp: 5062794

Ion Ratio Lower Upper

128 100

127 13.9 10.0 15.0

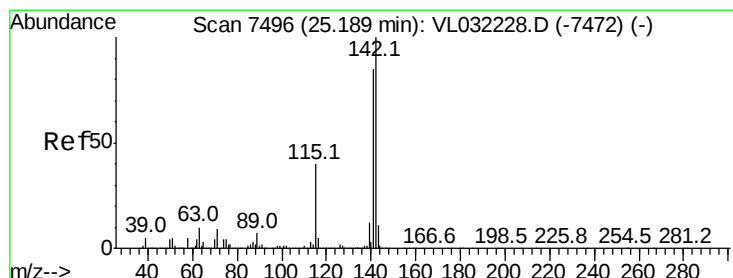
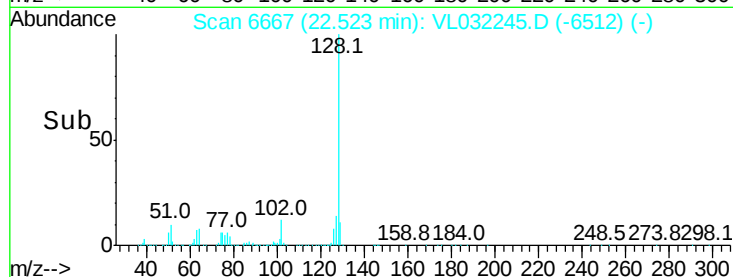
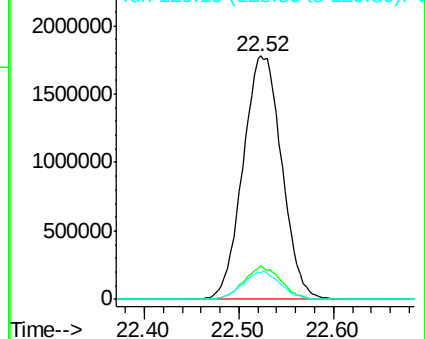
129 10.9 9.0 13.4



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: 16.229 ppbv

RT: 25.19 min Scan# 7496

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

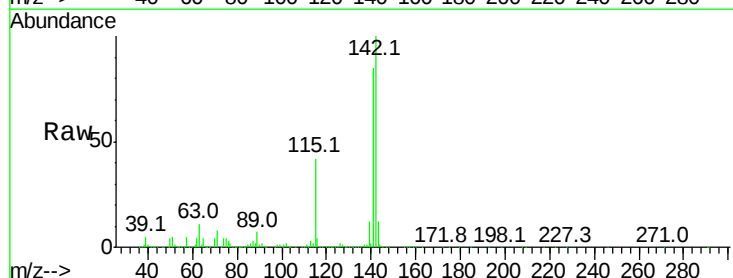
Tgt Ion:142 Resp: 2347903

Ion Ratio Lower Upper

142 100

141 83.0 67.0 100.6

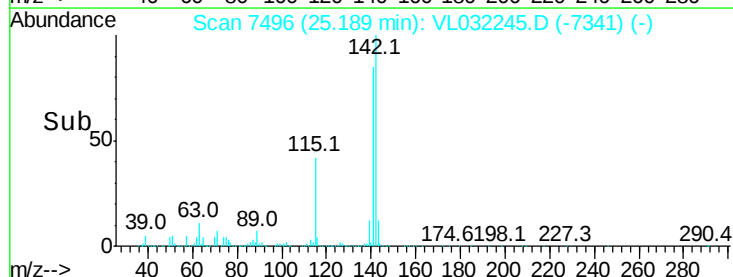
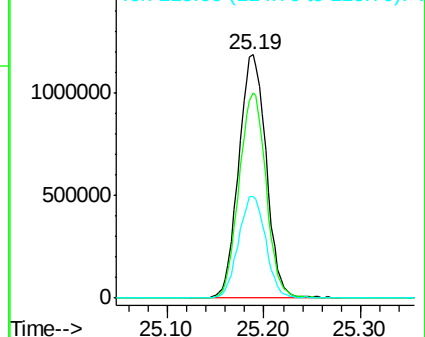
115 41.7 32.6 49.0

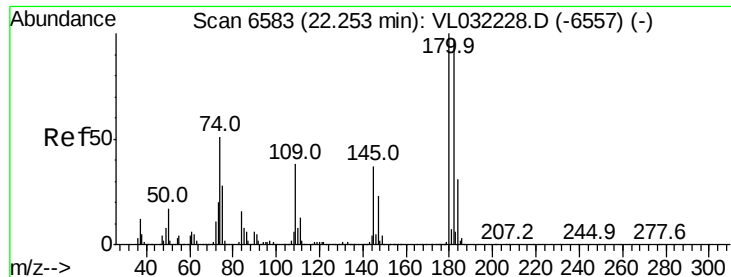


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 10.150 ppbv

RT: 22.25 min Scan# 6582

Delta R.T. -0.00 min

Lab File: VL032245.D

Acq: 13 Jul 2018 12:37

Instrument :

MSVOA_L

ClientSampleId :

ICVVL071318

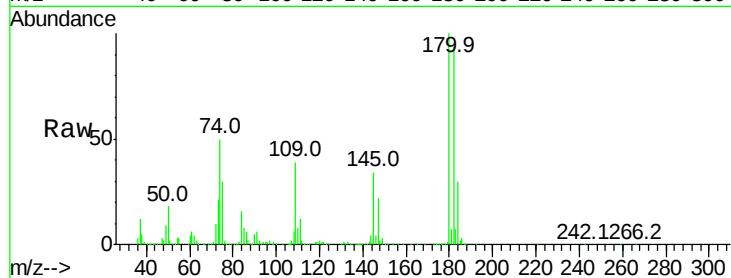
Tgt Ion:180 Resp: 2300192

Ion Ratio Lower Upper

180 100

182 94.2 76.1 114.1

184 30.1 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

