

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
 Data File : VL032152.D
 Acq On : 29 Jun 2018 23:11
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL062918

Quant Time: Jun 30 04:11:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1575766	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.39	114	4296003	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.35	117	4978123	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.68	95	3060160	8.04	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.14	85	1880701	9.064	ppbv	100
3) Chlorodifluoromethane	3.07	51	2000817	10.392	ppbv	96
4) Chloromethane	3.23	50	1038685	10.105	ppbv	100
5) Vinyl Chloride	3.35	62	1015114	9.778	ppbv	100
6) Bromomethane	3.58	94	603553	10.207	ppbv	97
7) Chloroethane	3.67	64	366318	9.978	ppbv	97
8) Dichlorotetrafluoroethane	3.28	85	2213561	9.559	ppbv	95
9) Propene	3.09	41	847929	9.449	ppbv	99
10) Heptane	8.34	43	2498342	9.550	ppbv	99
11) Trichlorofluoromethane	4.07	101	2117438	9.433	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.63	101	1401080	9.371	ppbv	95
13) Ethanol	3.72	45	163893	6.025	ppbv	99
14) Bromoethene	3.86	108	703100	9.884	ppbv	99
15) Acetone	3.97	43	1745249	9.472	ppbv	100
16) 1,3-Butadiene	3.42	39	866040	9.850	ppbv	96
17) tert-Butyl alcohol	4.43	59	480098	4.092	ppbv	100
18) 1,1-Dichloroethene	4.43	96	686978	9.606	ppbv	98
19) Isopropyl Alcohol	4.09	45	1183406	7.730	ppbv	# 40
20) Methylene Chloride	4.48	84	615162	9.136	ppbv	95
21) Allyl Chloride	4.55	41	1221127	9.705	ppbv	97
22) trans-1,2-Dichloroethene	5.04	96	736995	9.858	ppbv	98
23) Vinyl Acetate	5.24	43	3129080	9.365	ppbv	99
24) 1,1-Dichloroethane	5.17	63	2055222	9.602	ppbv	99
25) Ethyl Acetate	5.86	43	3450043	9.050	ppbv	99
26) Hexane	5.87	57	1596149	9.092	ppbv	97
27) Carbon Disulfide	4.70	76	1708640	9.791	ppbv	99
28) Methyl tert-Butyl Ether	5.20	73	2737594	8.823	ppbv	99
29) Chloroform	5.94	83	2410765	9.434	ppbv	100
30) Cyclohexane	7.34	84	1618884	9.784	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1717444	9.789	ppbv	95
32) 1,1,1-Trichloroethane	6.71	97	2642882	9.866	ppbv	99
34) 2-Butanone	5.41	43	2429735	8.911	ppbv	100
35) Carbon Tetrachloride	7.23	117	2721455	9.254	ppbv	97
36) Benzene	7.10	78	3947885	9.495	ppbv	99
37) 1,2-Dichloroethane	6.50	62	2044513	9.869	ppbv	98
38) Trichloroethene	8.06	130	1332871	8.206	ppbv	95
39) 1,2-Dichloropropane	7.84	63	1486131	9.062	ppbv	97
40) 1,4-Dioxane	8.05	88	497392	7.734	ppbv	# 1
41) Tetrahydrofuran	6.23	42	1375371	8.415	ppbv	98
42) Bromodichloromethane	8.02	83	2992764	9.217	ppbv	98
43) Methyl Methacrylate	8.23	69	1577896	9.155	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
 Data File : VL032152.D
 Acq On : 29 Jun 2018 23:11
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL062918

Quant Time: Jun 30 04:11:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

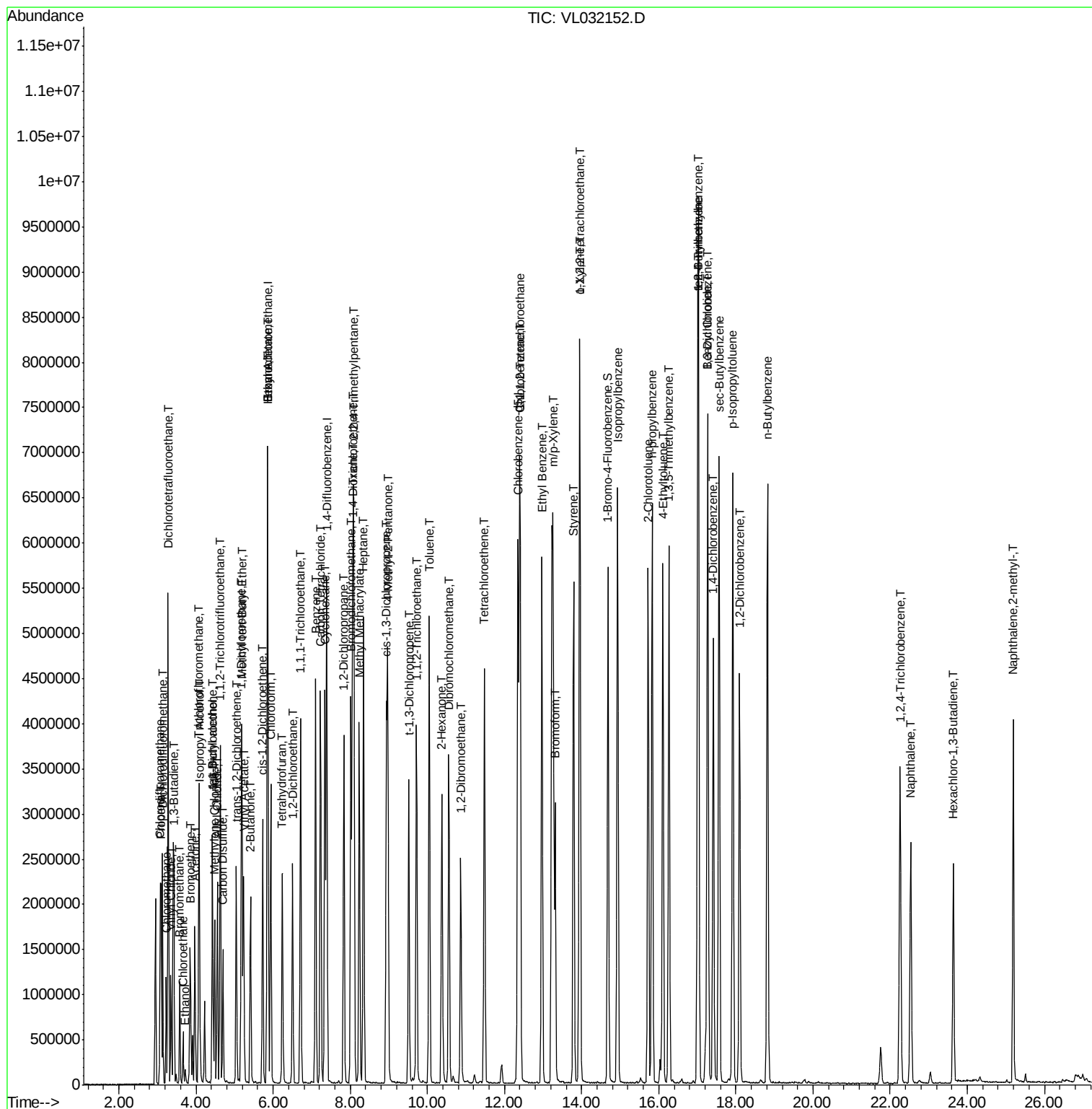
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.09	57	6430377	8.839	ppbv	99
45) t-1,3-Dichloropropene	9.52	75	2117577	9.916	ppbv	100
46) cis-1,3-Dichloropropene	8.94	75	2466920	9.675	ppbv	100
47) 1,1,2-Trichloroethane	9.72	97	1522443	8.932	ppbv	98
48) Dibromochloromethane	10.56	129	2365488	8.964	ppbv	100
49) Bromoform	13.31	173	1791459	8.107	ppbv	100
50) 4-Methyl-2-Pentanone	8.97	43	4010582	8.979	ppbv	100
51) 2-Hexanone	10.38	43	3151591	8.511	ppbv #	100
52) Tetrachloroethene	11.48	164	1175403	7.774	ppbv	96
53) Toluene	10.05	91	4395986	8.747	ppbv	99
54) 1,2-Dibromoethane	10.87	107	2235828	8.725	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.39	131	1570776	7.067	ppbv	99
57) Chlorobenzene	12.41	112	3031180	7.031	ppbv	99
58) Ethyl Benzene	12.97	91	5724526	7.136	ppbv	96
59) m/p-Xylene	13.26	91	4246060	6.603	ppbv #	26
60) o-Xylene	13.96	91	4414208	6.882	ppbv	97
61) Styrene	13.79	104	3566189	6.785	ppbv	96
62) Isopropylbenzene	14.93	105	6257366	6.345	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.94	83	2897737	5.835	ppbv	100
64) n-propylbenzene	15.83	120	1619054	6.343	ppbv	90
65) tert-Butylbenzene	17.02	119	5022046	5.795	ppbv	95
66) Benzyl Chloride	17.26	91	3237908	6.050	ppbv	96
67) sec-Butylbenzene	17.57	105	7279650	5.737	ppbv	98
69) p-Isopropyltoluene	17.92	119	5767926	5.667	ppbv	97
70) n-Butylbenzene	18.82	91	5932031	5.581	ppbv	99
71) 2-Chlorotoluene	15.72	91	4814944	6.340	ppbv	95
72) 4-Ethyltoluene	16.11	105	5250806	6.338	ppbv	98
73) 1,3,5-Trimethylbenzene	16.26	105	4913988	6.297	ppbv	97
74) 1,2,4-Trimethylbenzene	17.03	105	4656778	5.913	ppbv	94
75) 1,3-Dichlorobenzene	17.27	146	2543006	5.677	ppbv	97
76) 1,4-Dichlorobenzene	17.41	146	2557315	5.630	ppbv	98
77) 1,2-Dichlorobenzene	18.10	146	2413540	5.391	ppbv	97
78) Hexachloro-1,3-Butadiene	23.64	225	607519	3.897	ppbv	99
79) Naphthalene	22.53	128	3525924	4.926	ppbv	99
80) Naphthalene, 2-methyl-	25.19	142	2299861	8.901	ppbv	97
81) 1,2,4-Trichlorobenzene	22.26	180	1684181	5.210	ppbv	99

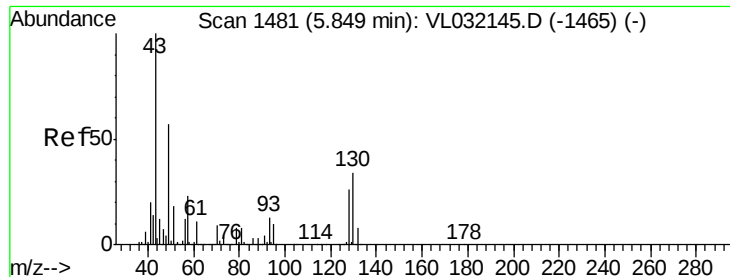
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_L\DATA\VL062918\
Data File : VL032152.D
Acq On : 29 Jun 2018 23:11
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSV0A_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL062918

Quant Time: Jun 30 04:11:13 2018
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.85 min Scan# 1482

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL062918

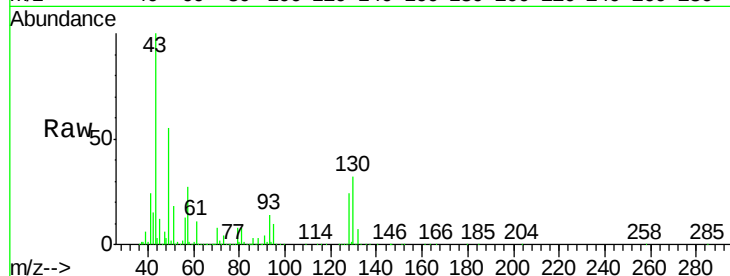
Tgt Ion: 49 Resp: 1575766

Ion Ratio Lower Upper

49 100

128 45.3 23.4 70.0

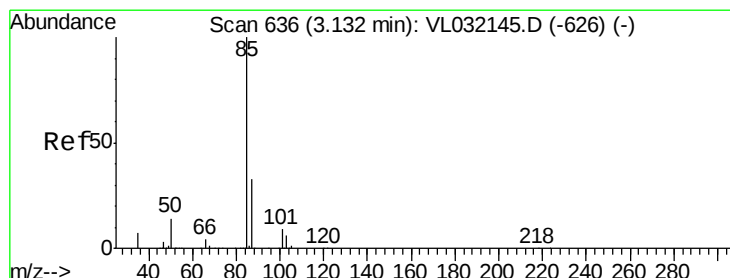
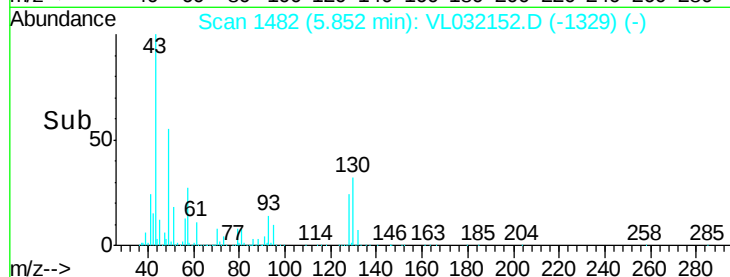
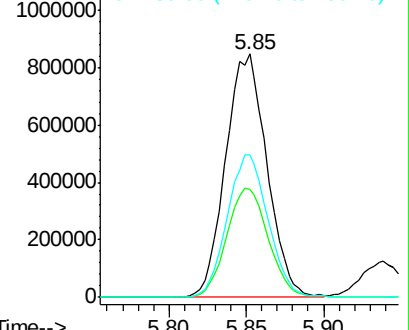
130 58.2 30.3 90.9



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: 9.064 ppbv

RT: 3.14 min Scan# 637

Delta R.T. -0.01 min

Lab File: VL032152.D

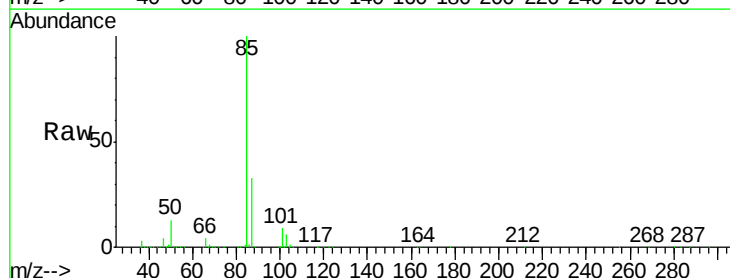
Acq: 29 Jun 2018 23:11

Tgt Ion: 85 Resp: 1880701

Ion Ratio Lower Upper

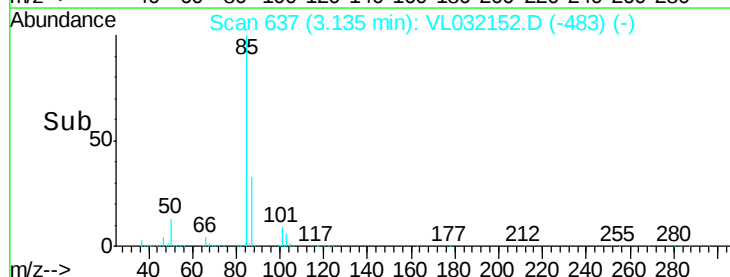
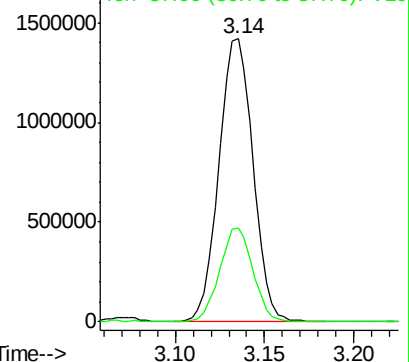
85 100

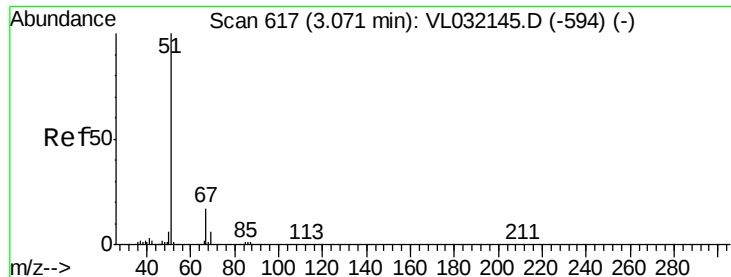
87 33.2 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.392 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

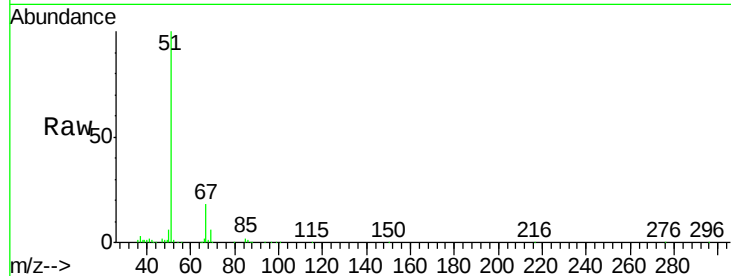
ICVVL062918

Tgt Ion: 51 Resp: 2000817

Ion Ratio Lower Upper

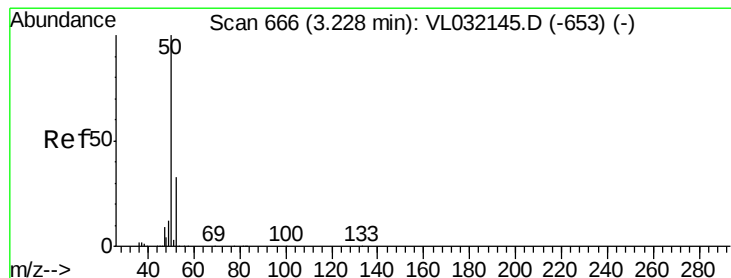
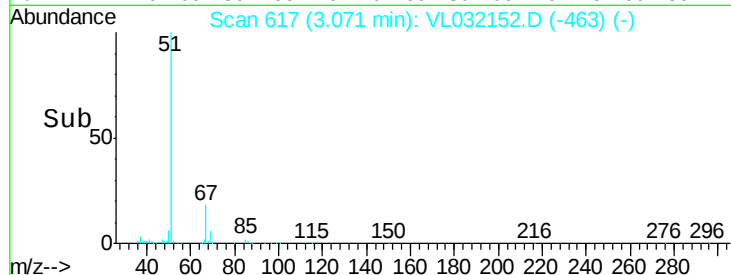
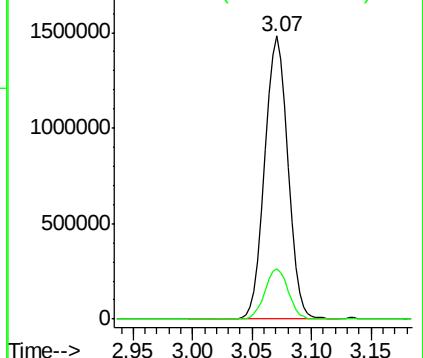
51 100

67 18.0 13.2 19.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.105 ppbv

RT: 3.23 min Scan# 666

Delta R.T. -0.01 min

Lab File: VL032152.D

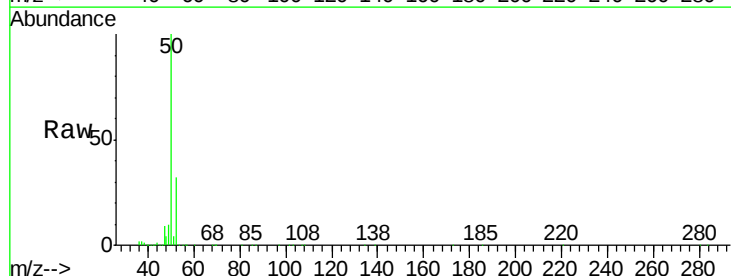
Acq: 29 Jun 2018 23:11

Tgt Ion: 50 Resp: 1038685

Ion Ratio Lower Upper

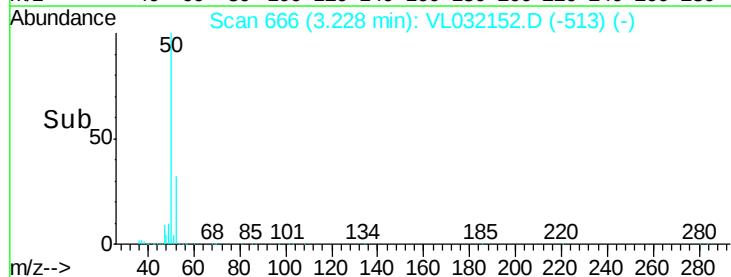
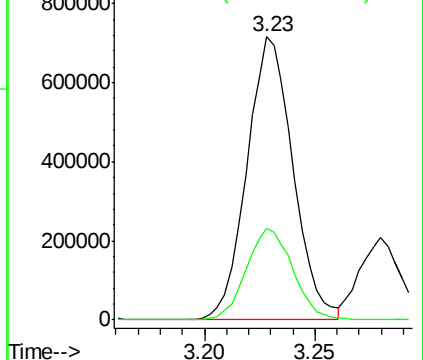
50 100

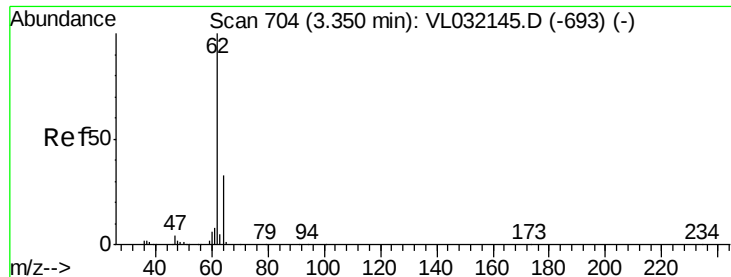
52 32.2 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.778 ppbv

RT: 3.35 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

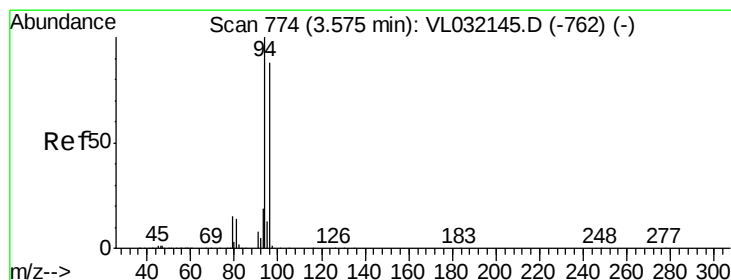
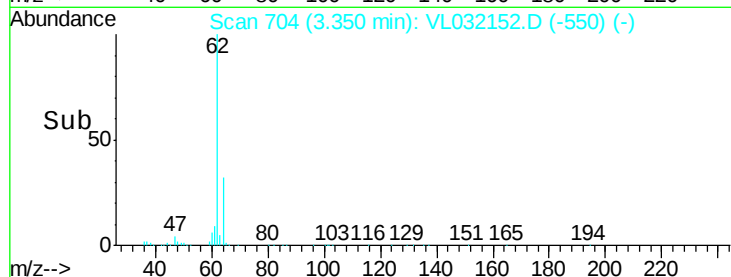
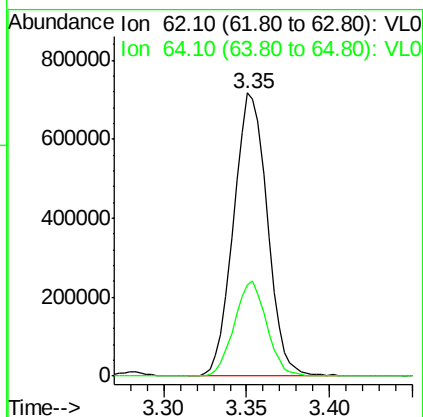
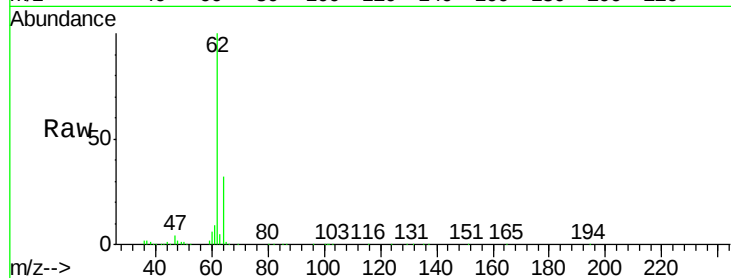
ICVVL062918

Tgt Ion: 62 Resp: 1015114

Ion Ratio Lower Upper

62 100

64 32.4 26.1 39.1



#6

Bromomethane

Concen: 10.207 ppbv

RT: 3.58 min Scan# 775

Delta R.T. -0.01 min

Lab File: VL032152.D

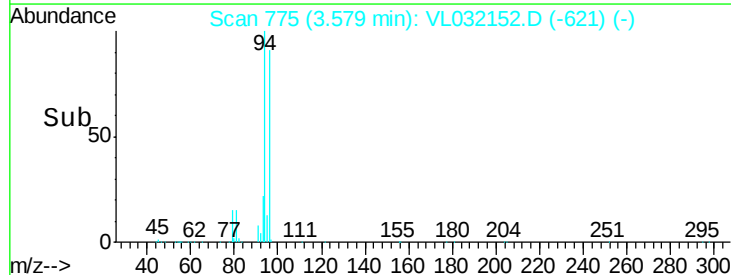
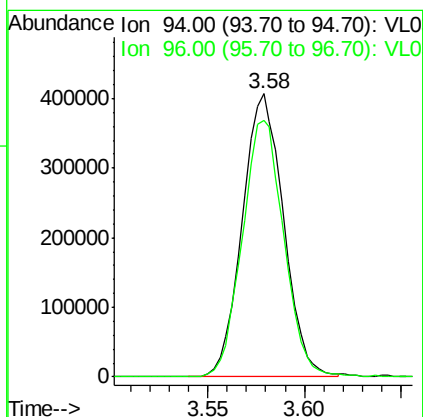
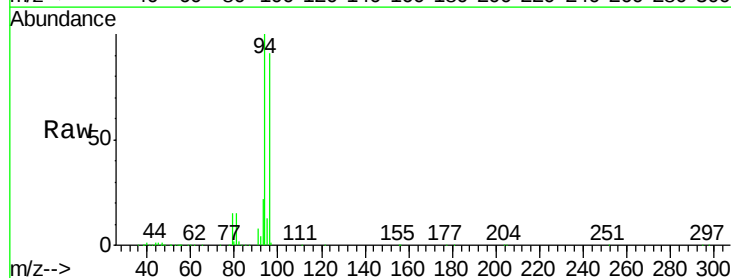
Acq: 29 Jun 2018 23:11

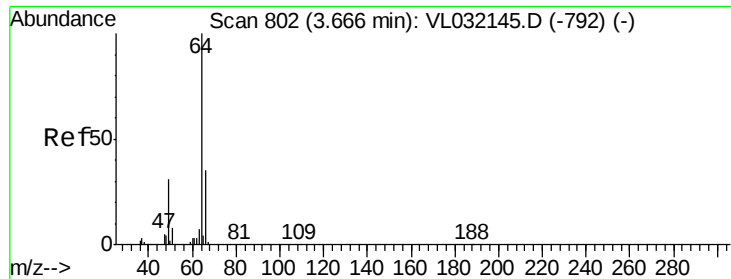
Tgt Ion: 94 Resp: 603553

Ion Ratio Lower Upper

94 100

96 90.8 74.7 112.1





#7

Chloroethane

Concen: 9.978 ppbv

RT: 3.67 min Scan# 802

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

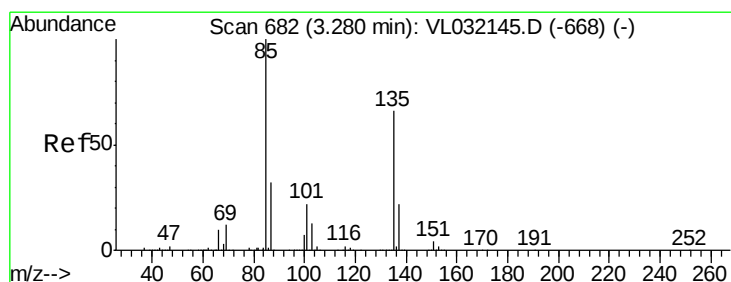
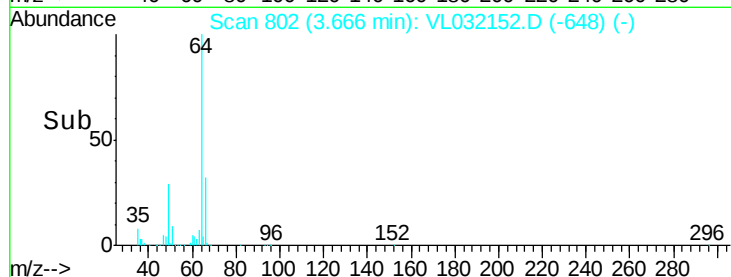
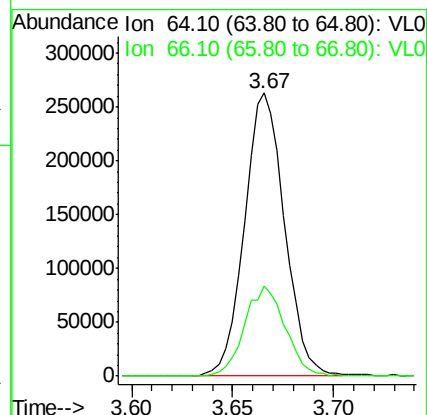
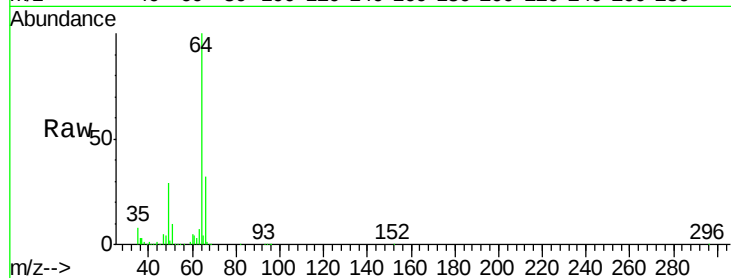
ICVVL062918

Tgt Ion: 64 Resp: 366318

Ion Ratio Lower Upper

64 100

66 31.9 26.9 40.3



#8

Dichlorotetrafluoroethane

Concen: 9.559 ppbv

RT: 3.28 min Scan# 682

Delta R.T. -0.01 min

Lab File: VL032152.D

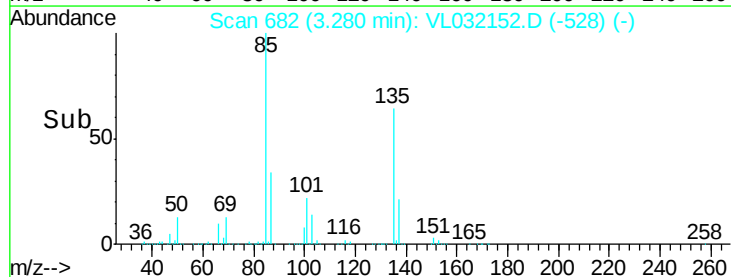
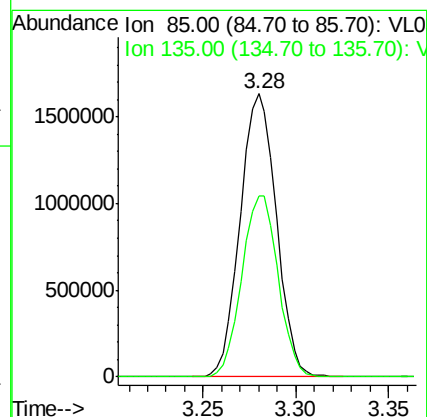
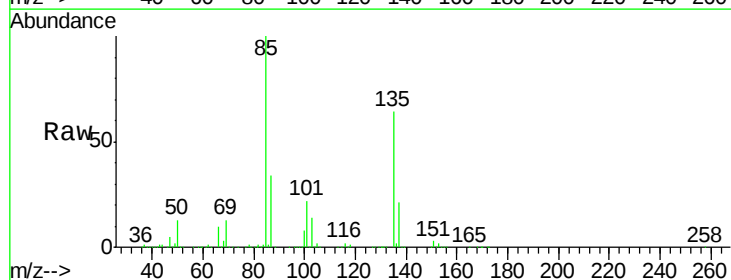
Acq: 29 Jun 2018 23:11

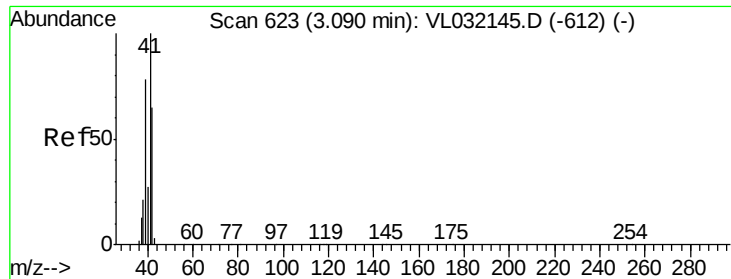
Tgt Ion: 85 Resp: 2213561

Ion Ratio Lower Upper

85 100

135 64.3 54.6 82.0





#9

Propene

Concen: 9.449 ppbv

RT: 3.09 min Scan# 623

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

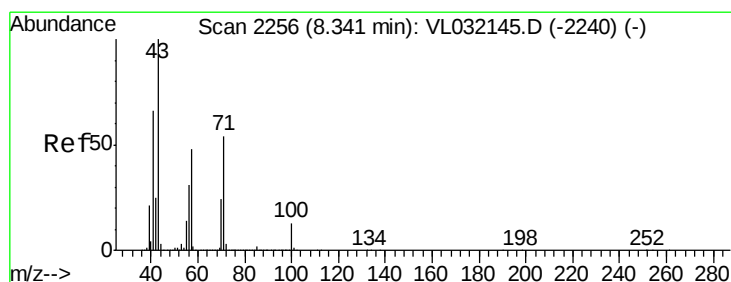
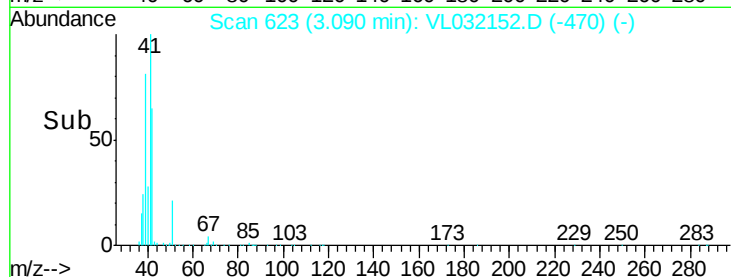
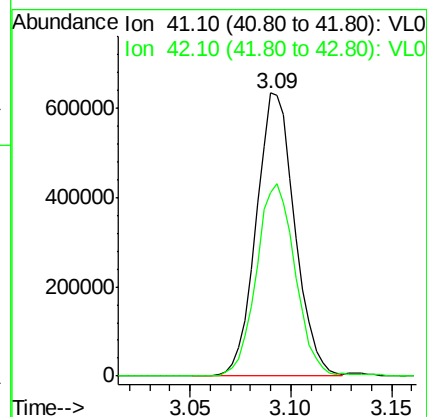
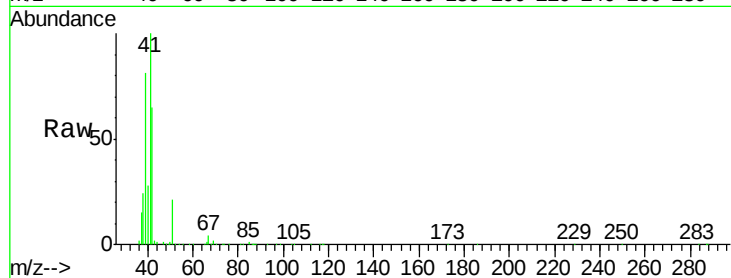
ICVVL062918

Tgt Ion: 41 Resp: 847929

Ion Ratio Lower Upper

41 100

42 69.1 56.2 84.4



#10

Heptane

Concen: 9.550 ppbv

RT: 8.34 min Scan# 2257

Delta R.T. -0.01 min

Lab File: VL032152.D

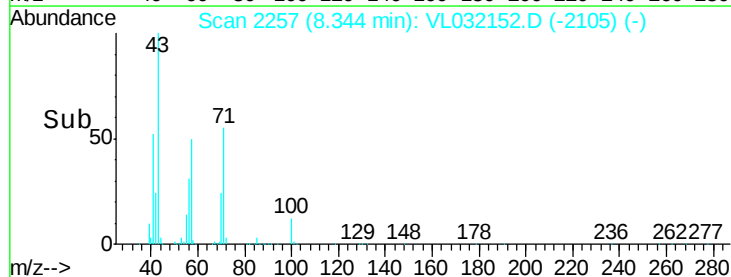
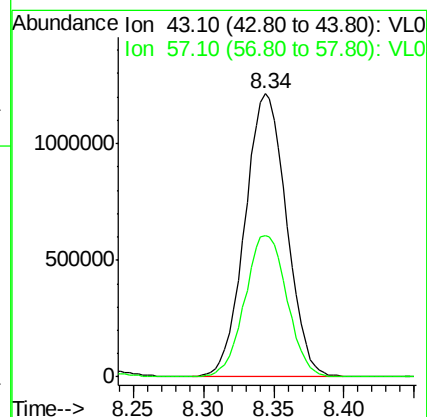
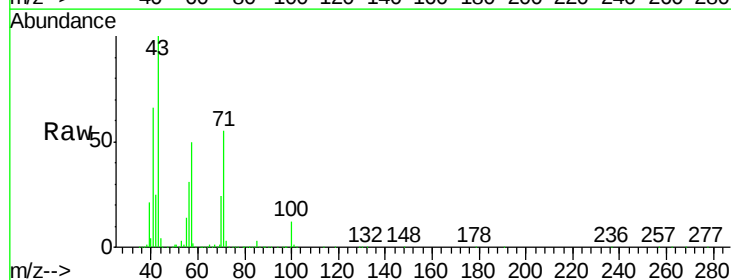
Acq: 29 Jun 2018 23:11

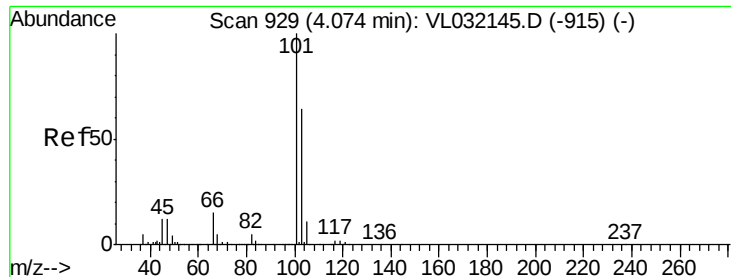
Tgt Ion: 43 Resp: 2498342

Ion Ratio Lower Upper

43 100

57 50.6 39.8 59.8

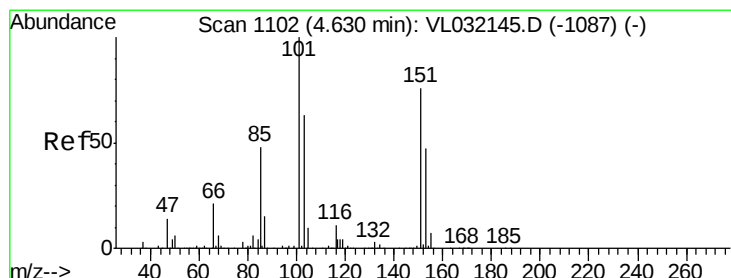
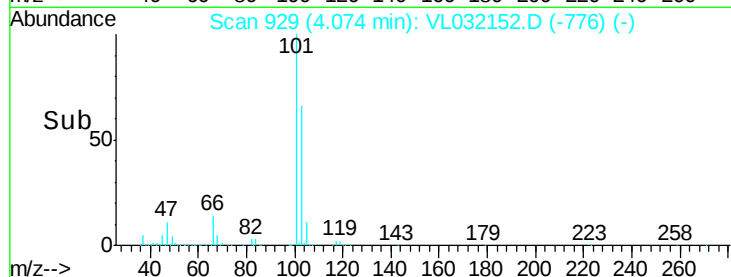
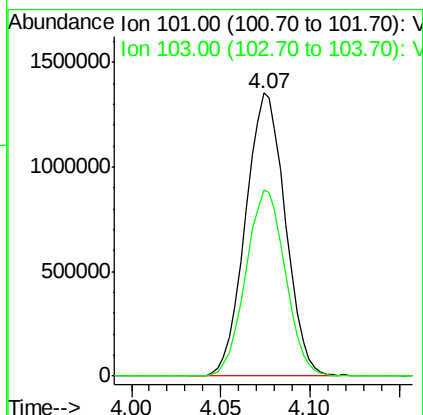
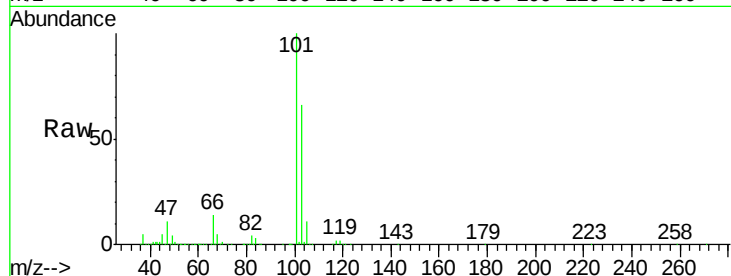




#11
 Trichlorofluoromethane
 Concen: 9.433 ppbv
 RT: 4.07 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: VL032152.D
 Acq: 29 Jun 2018 23:11

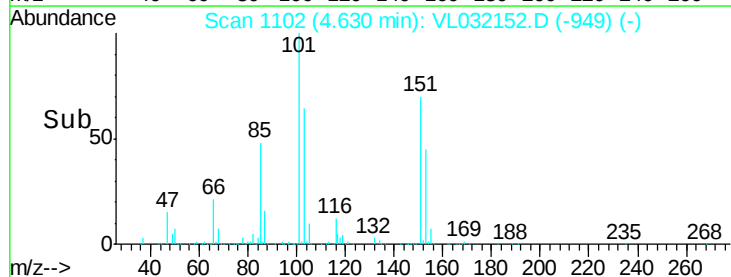
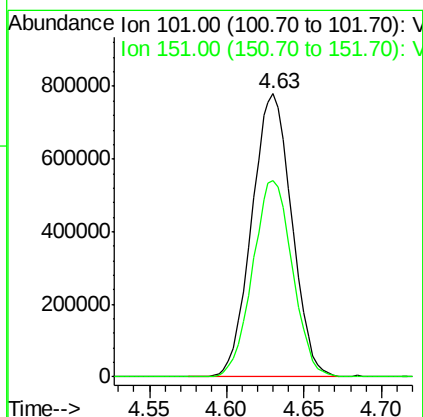
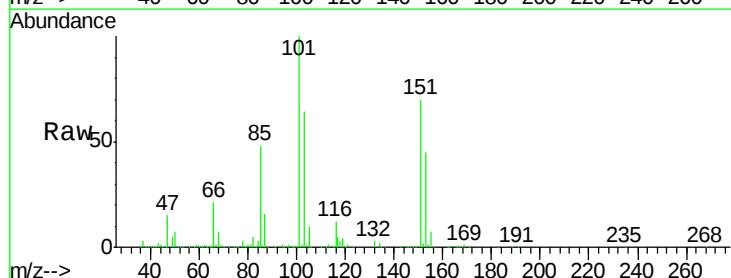
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL062918

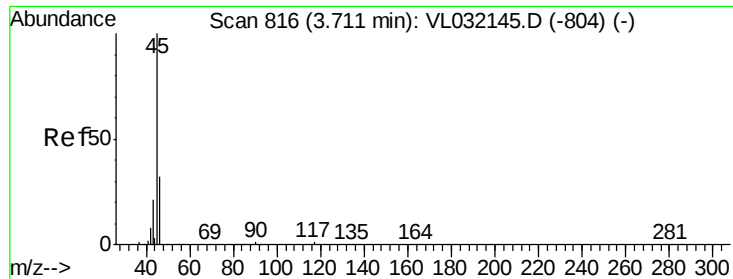
Tgt Ion:101 Resp: 2117438
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.371 ppbv
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: VL032152.D
 Acq: 29 Jun 2018 23:11

Tgt Ion:101 Resp: 1401080
 Ion Ratio Lower Upper
 101 100
 151 69.2 58.8 88.2





#13

Ethanol

Concen: 6.025 ppbv

RT: 3.72 min Scan# 818

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

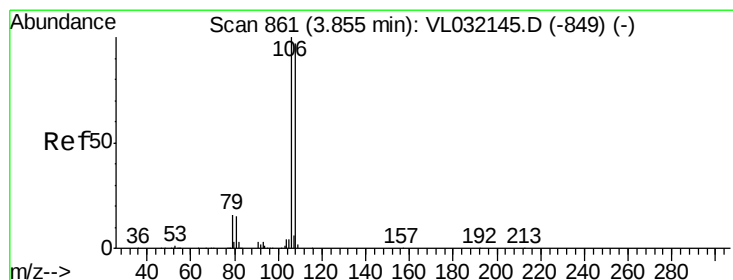
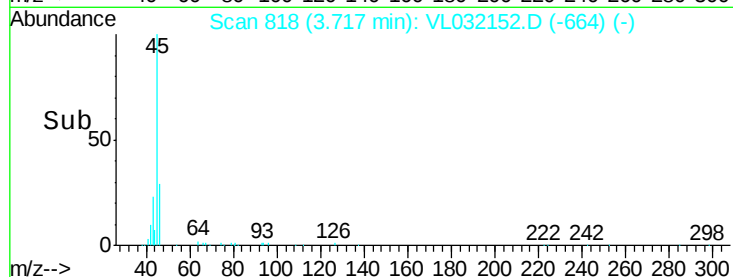
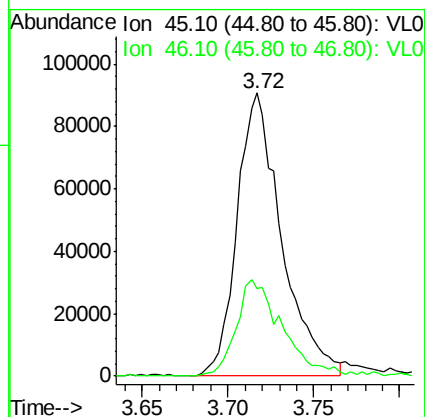
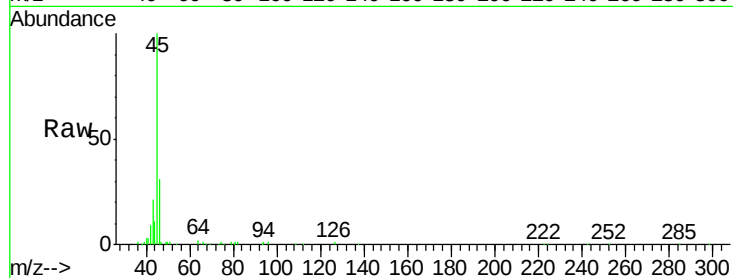
ICVVL062918

Tgt Ion: 45 Resp: 163893

Ion Ratio Lower Upper

45 100

46 36.0 14.6 58.4



#14

Bromoethene

Concen: 9.884 ppbv

RT: 3.86 min Scan# 862

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

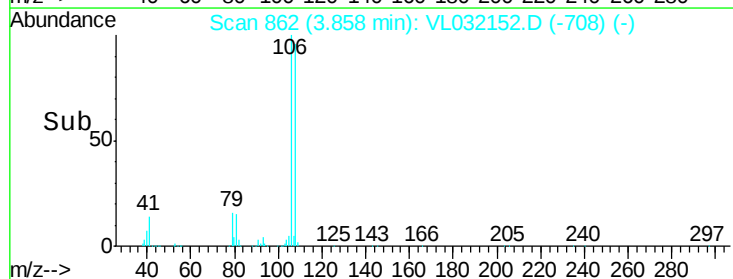
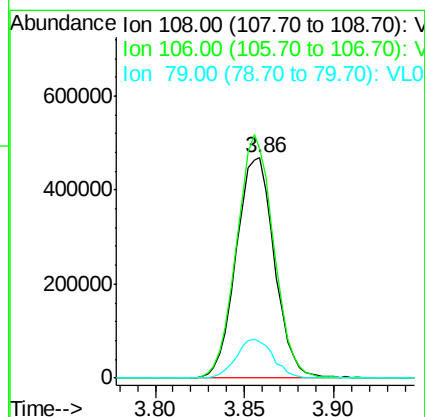
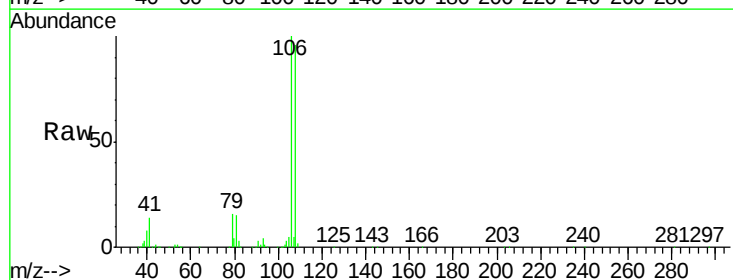
Tgt Ion: 108 Resp: 703100

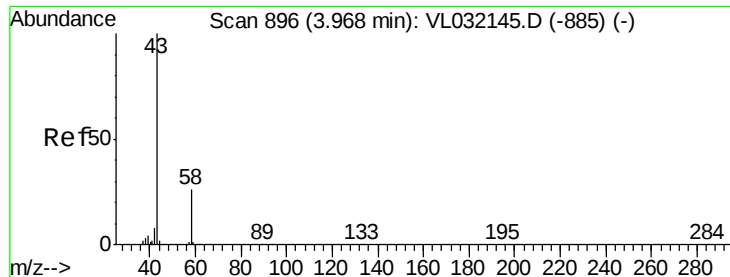
Ion Ratio Lower Upper

108 100

106 107.3 86.3 129.5

79 17.4 12.7 19.1





#15

Acetone

Concen: 9.472 ppbv

RT: 3.97 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

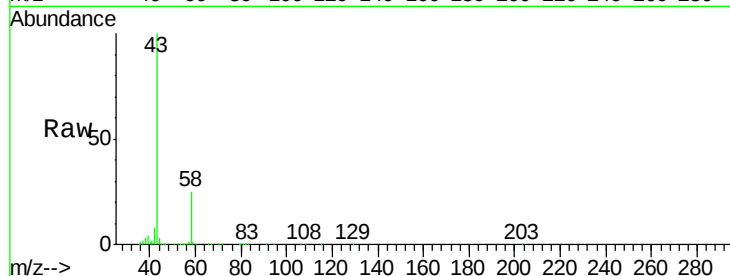
ICVVL062918

Tgt Ion: 43 Resp: 1745249

Ion Ratio Lower Upper

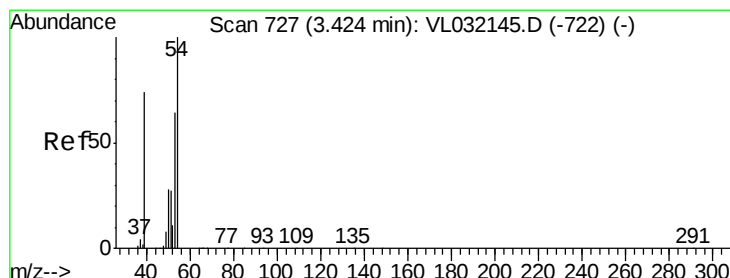
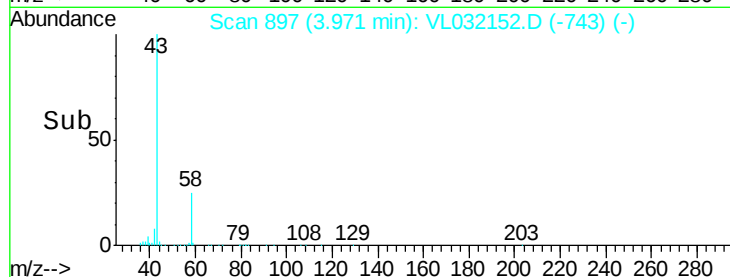
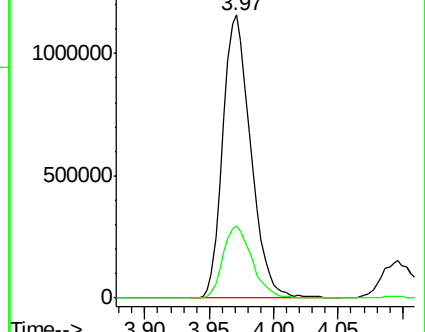
43 100

58 26.5 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.850 ppbv

RT: 3.42 min Scan# 727

Delta R.T. -0.01 min

Lab File: VL032152.D

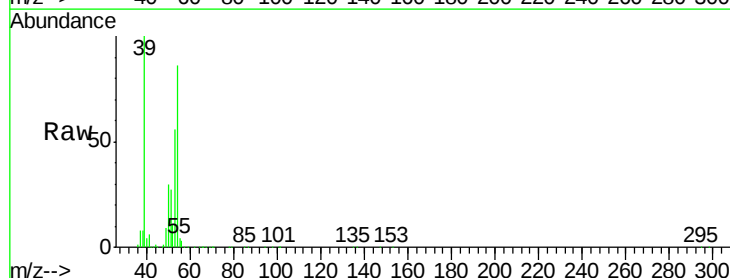
Acq: 29 Jun 2018 23:11

Tgt Ion: 39 Resp: 866040

Ion Ratio Lower Upper

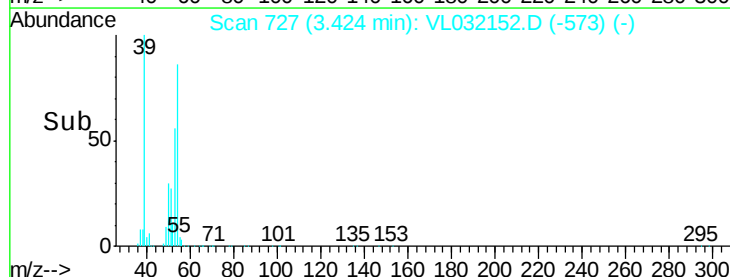
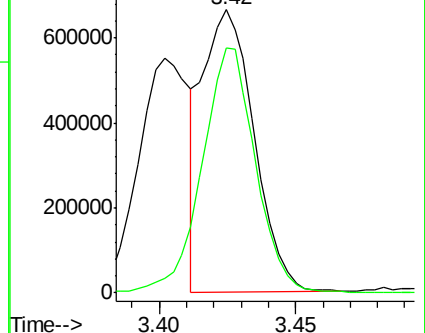
39 100

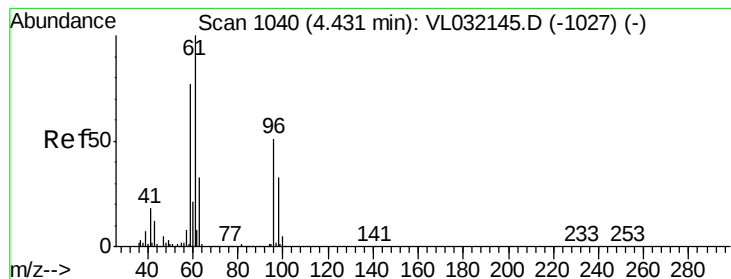
54 91.1 75.8 113.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 4.092 ppbv

RT: 4.43 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

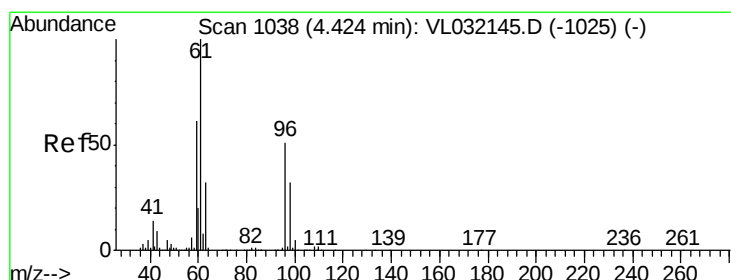
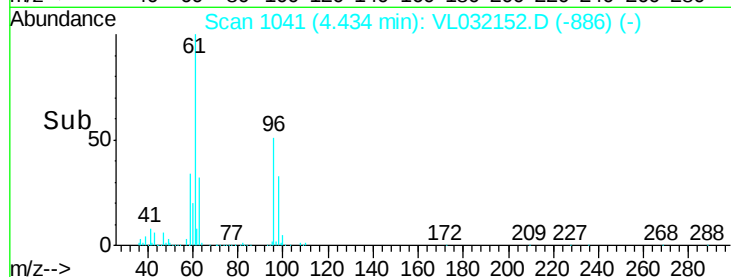
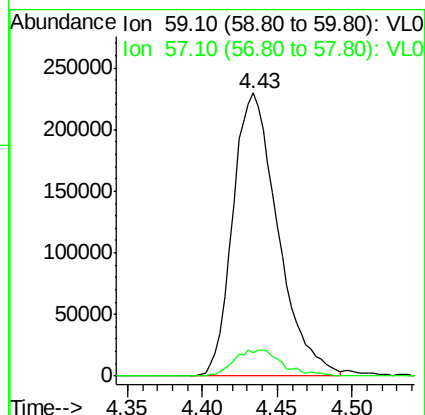
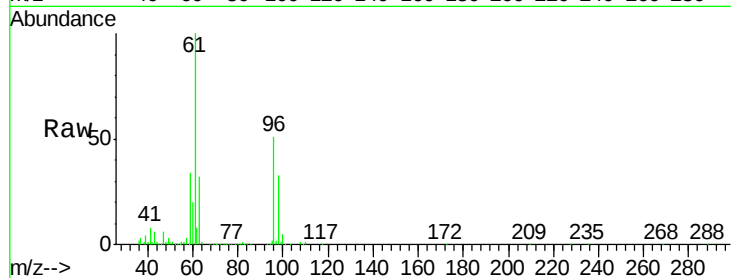
ICVVL062918

Tgt Ion: 59 Resp: 480098

Ion Ratio Lower Upper

59 100

57 10.3 8.2 12.2



#18

1,1-Dichloroethene

Concen: 9.606 ppbv

RT: 4.43 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

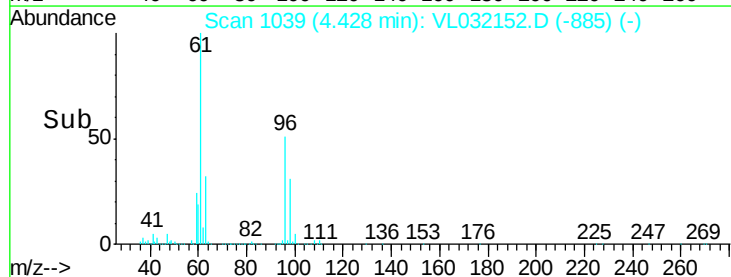
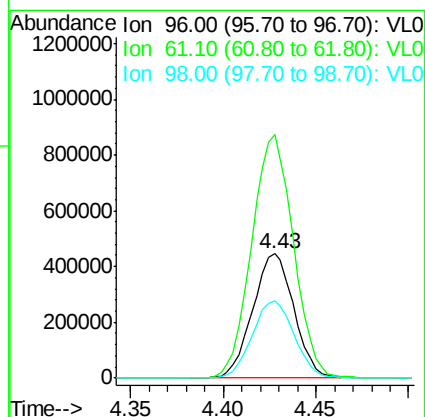
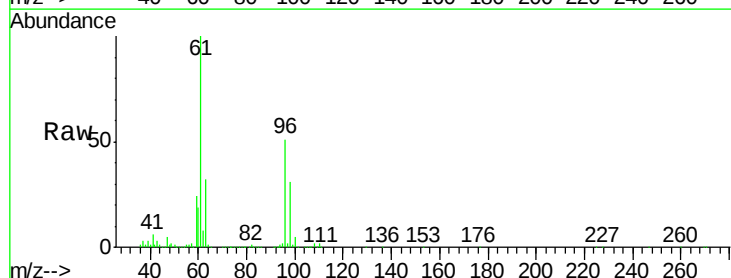
Tgt Ion: 96 Resp: 686978

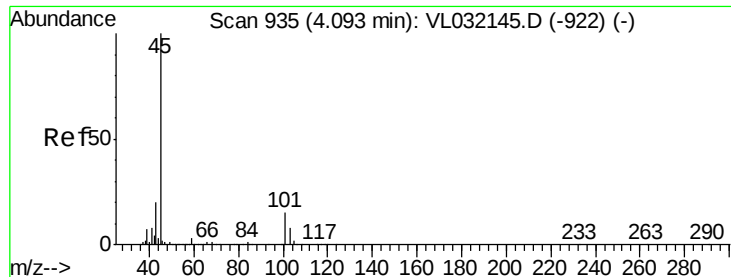
Ion Ratio Lower Upper

96 100

61 196.0 154.1 231.1

98 61.7 50.3 75.5





#19

Isopropyl Alcohol

Concen: 7.730 ppbv

RT: 4.09 min Scan# 935

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

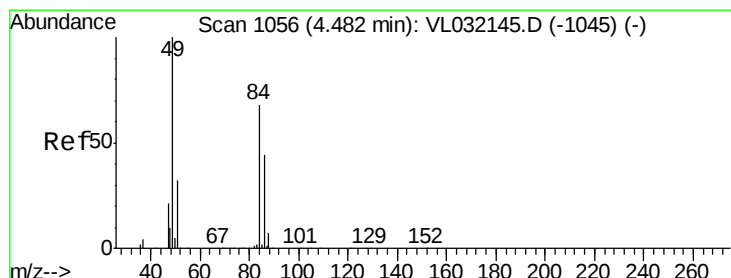
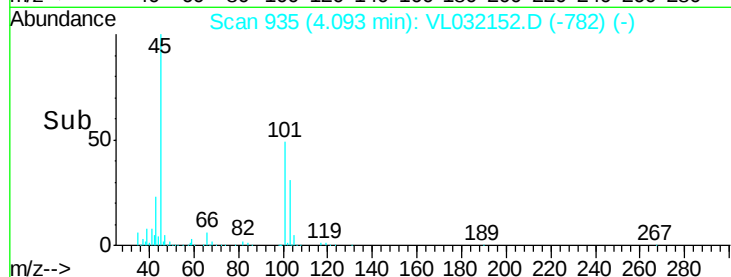
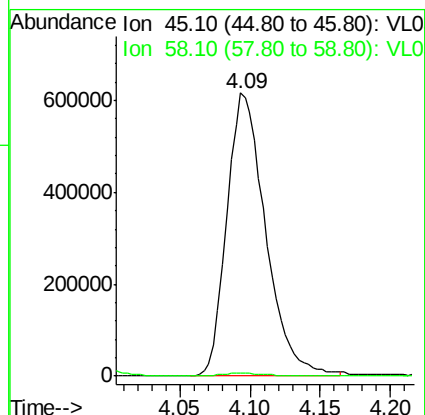
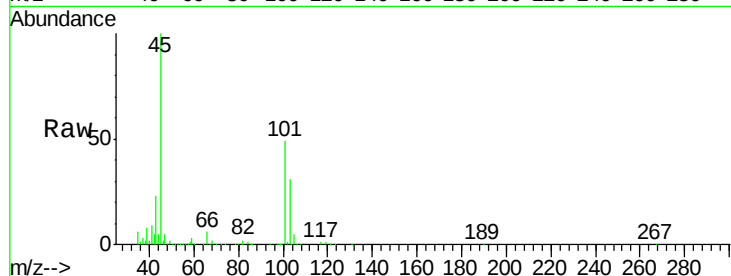
ICVVL062918

Tgt Ion: 45 Resp: 1183406

Ion Ratio Lower Upper

45 100

58 1.3 29.4 44.0#



#20

Methylene Chloride

Concen: 9.136 ppbv

RT: 4.48 min Scan# 1056

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Tgt Ion: 84 Resp: 615162

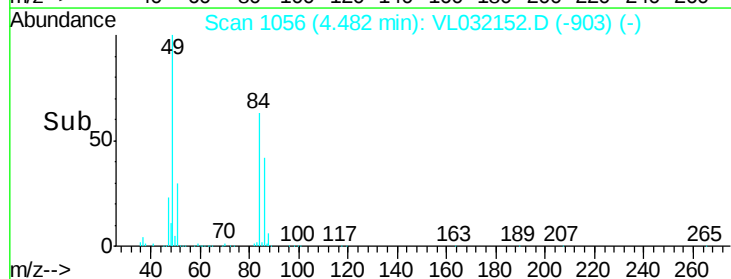
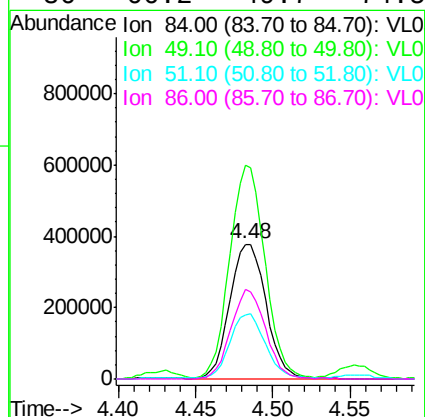
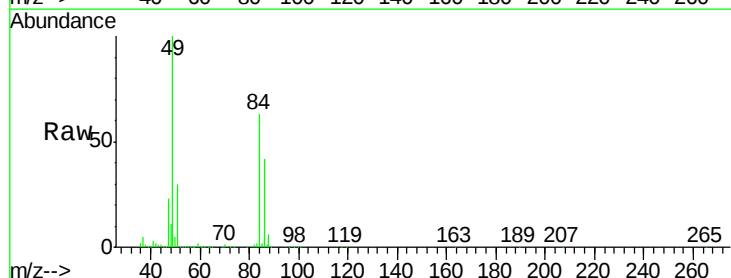
Ion Ratio Lower Upper

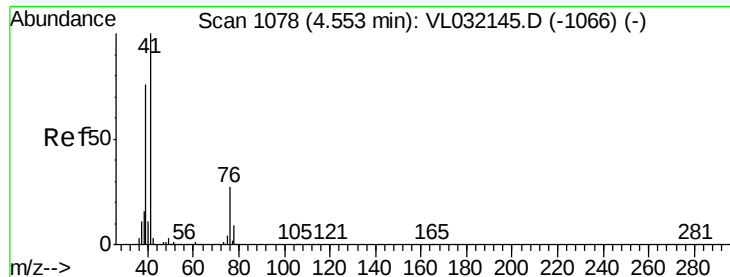
84 100

49 157.3 119.6 179.4

51 46.9 36.3 54.5

86 66.2 49.7 74.5

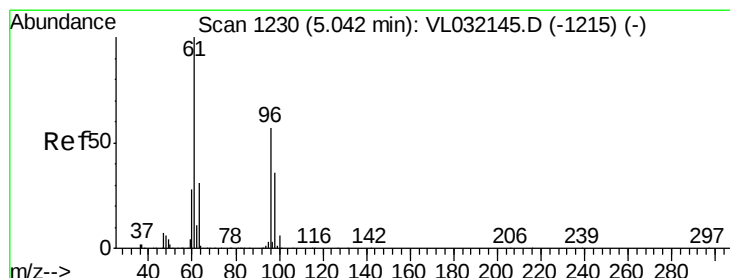
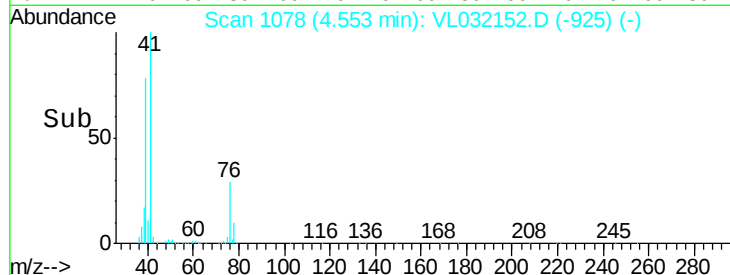
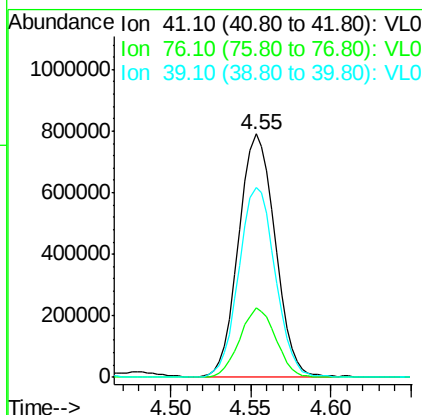
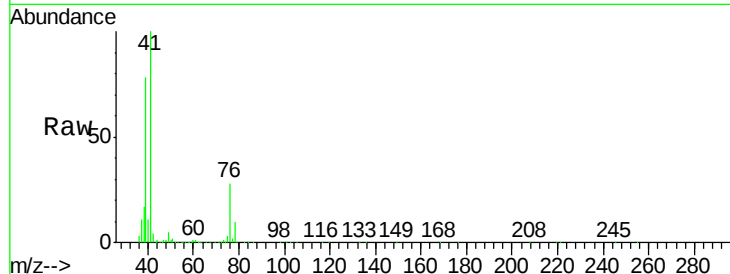




#21
 Allyl Chloride
 Concen: 9.705 ppbv
 RT: 4.55 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: VL032152.D
 Acq: 29 Jun 2018 23:11

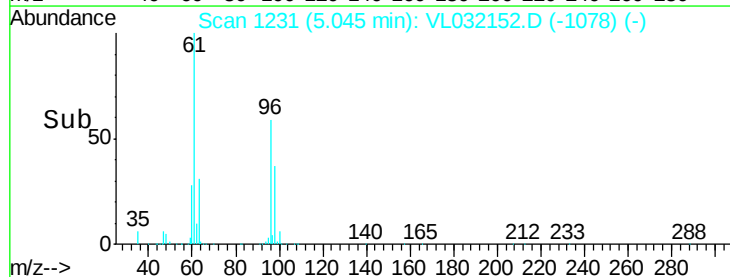
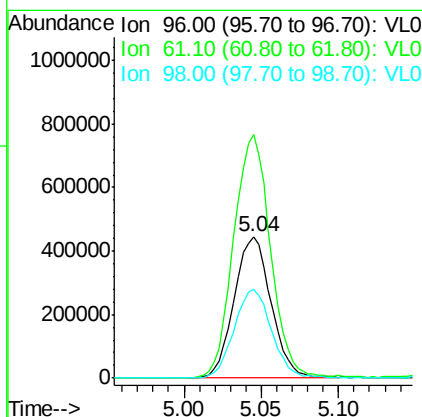
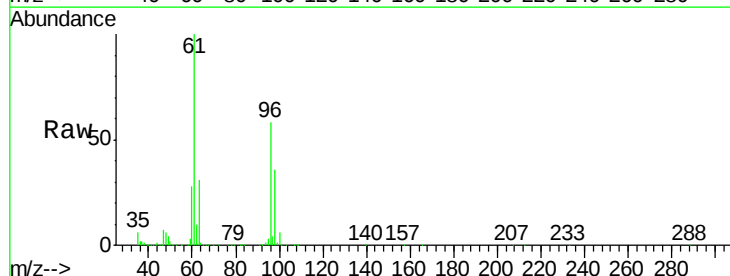
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL062918

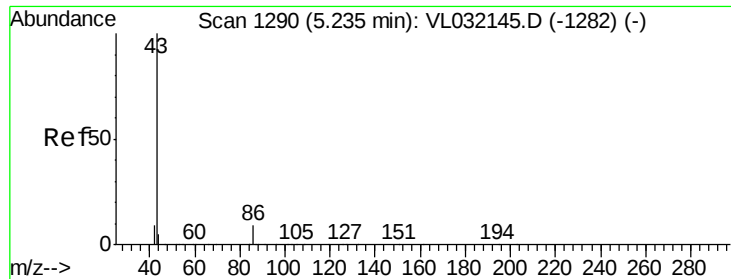
Tgt Ion: 41 Resp: 1221127
 Ion Ratio Lower Upper
 41 100
 76 28.5 22.5 33.7
 39 78.8 60.5 90.7



#22
 trans-1,2-Dichloroethene
 Concen: 9.858 ppbv
 RT: 5.04 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VL032152.D
 Acq: 29 Jun 2018 23:11

Tgt Ion: 96 Resp: 736995
 Ion Ratio Lower Upper
 96 100
 61 171.7 135.2 202.8
 98 62.7 49.7 74.5





#23

Vinyl Acetate

Concen: 9.365 ppbv

RT: 5.24 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL062918

Tgt Ion: 43 Resp: 3129080

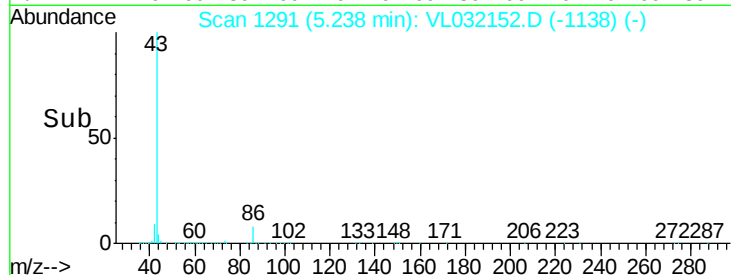
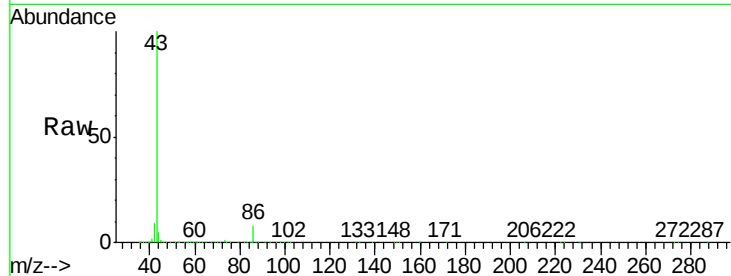
Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.2	9.4
42	9.4	6.9	10.3
44	4.7	3.8	5.8

43 100

86 7.9 6.2 9.4

42 9.4 6.9 10.3

44 4.7 3.8 5.8

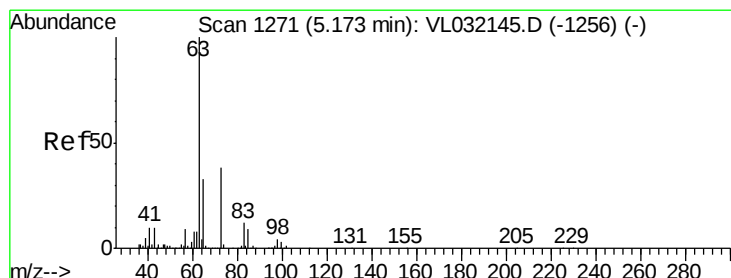
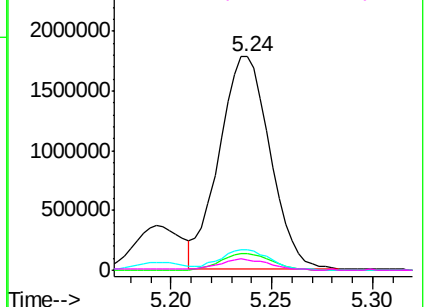


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.602 ppbv

RT: 5.17 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

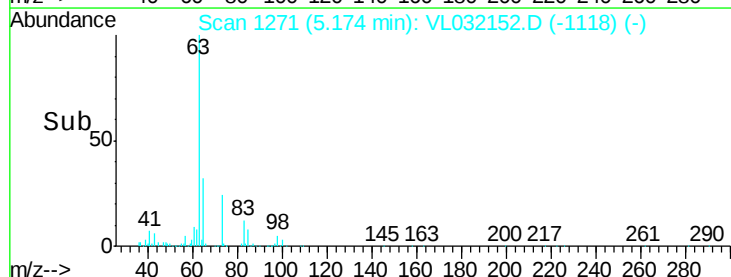
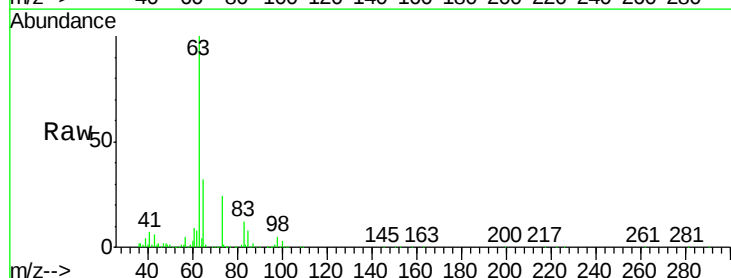
Tgt Ion: 63 Resp: 2055222

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.4	7.2
100	3.0	1.7	5.0

63 100

98 5.2 2.4 7.2

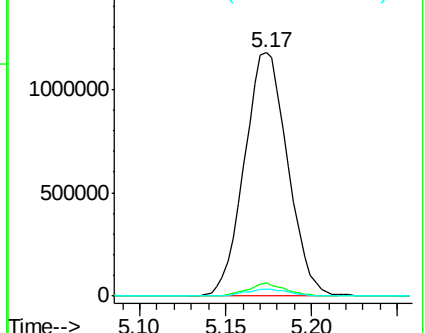
100 3.0 1.7 5.0

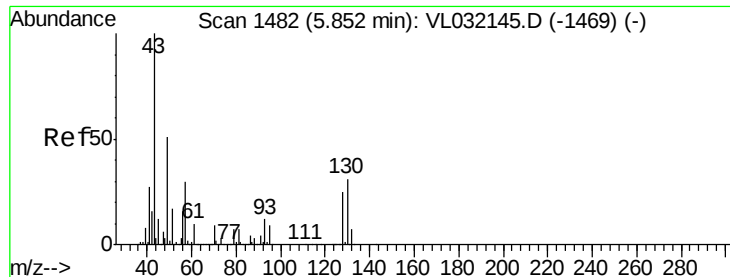


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.050 ppbv

RT: 5.86 min Scan# 1483

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL062918

Tgt Ion: 43 Resp: 3450043

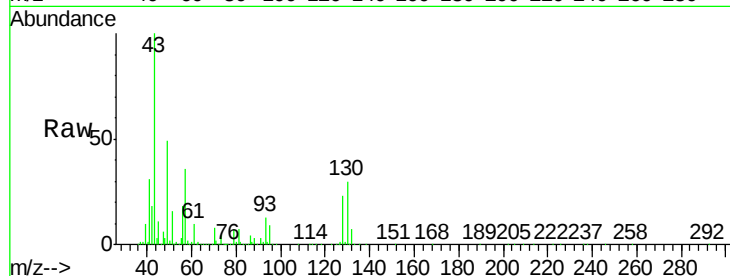
Ion Ratio Lower Upper

43 100

45 10.0 7.8 11.8

61 9.5 7.4 11.0

70 7.4 6.1 9.1

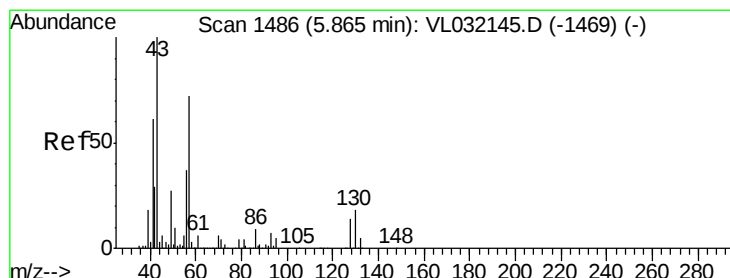
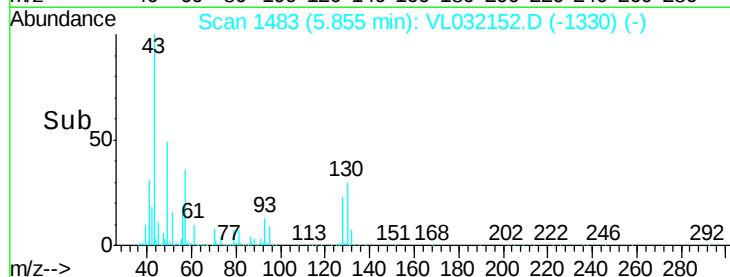
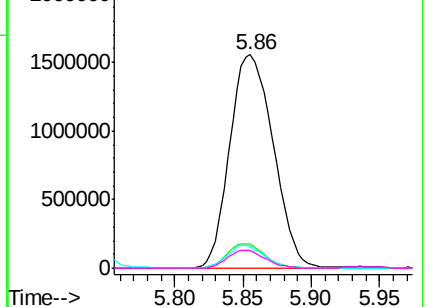


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.092 ppbv

RT: 5.87 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Tgt Ion: 57 Resp: 1596149

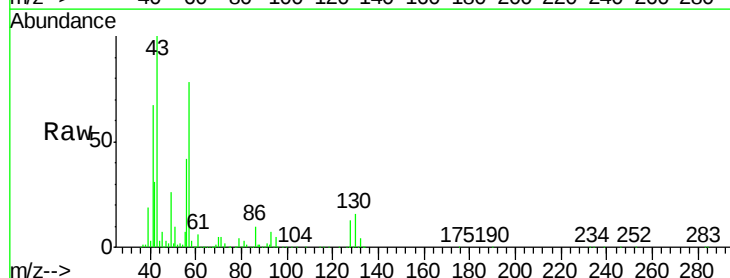
Ion Ratio Lower Upper

57 100

41 86.2 68.6 103.0

43 217.6 168.6 252.8

56 52.3 41.0 61.6

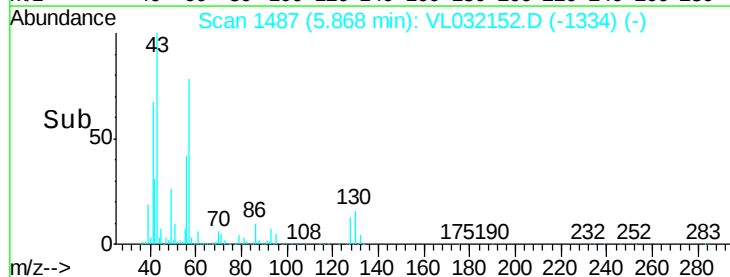
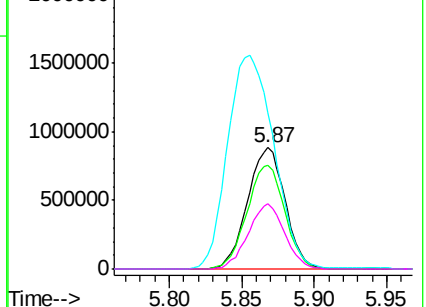


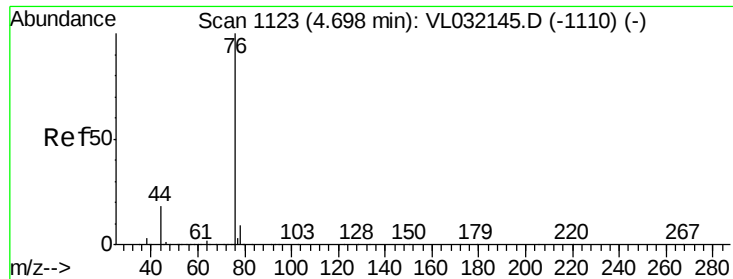
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

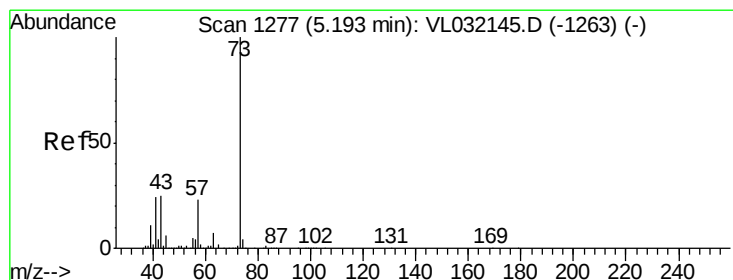
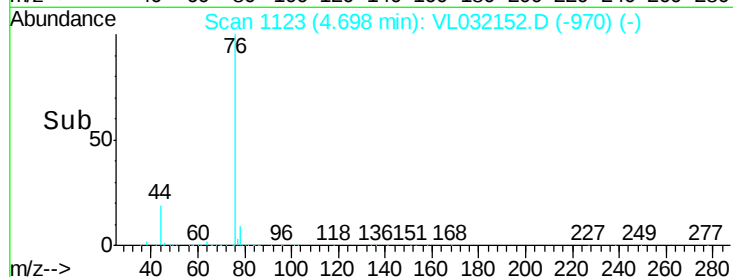
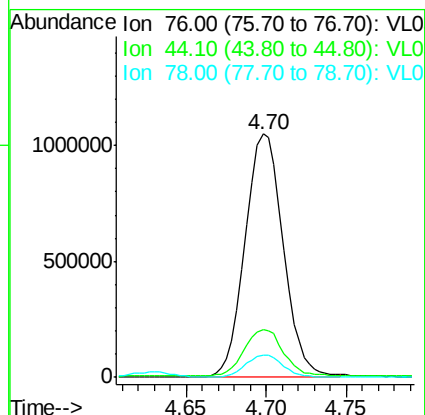
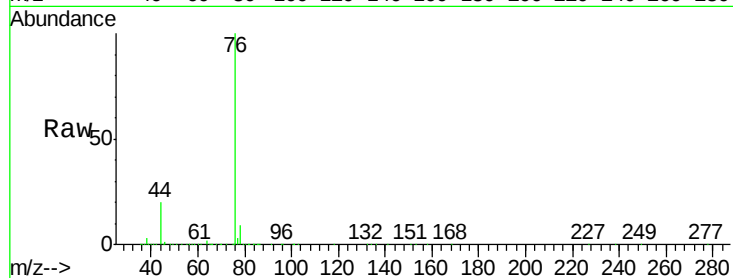




#27
Carbon Disulfide
Concen: 9.791 ppbv
RT: 4.70 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VL032152.D
Acq: 29 Jun 2018 23:11

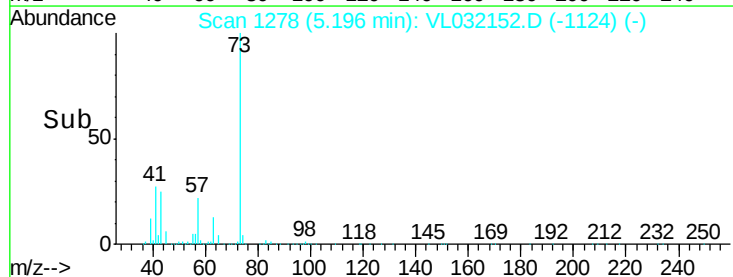
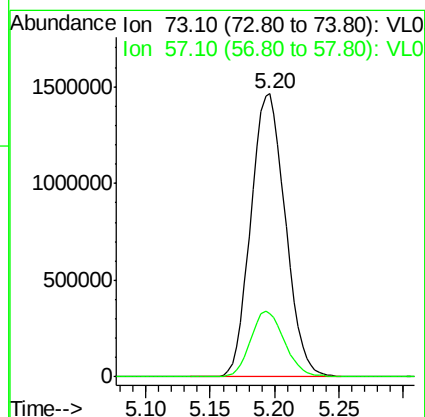
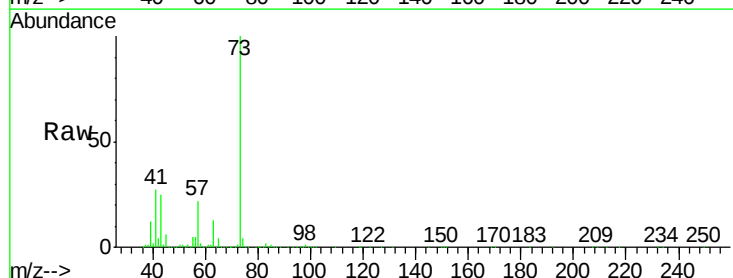
Instrument :
MSVOA_L
ClientSampleId :
ICVVL062918

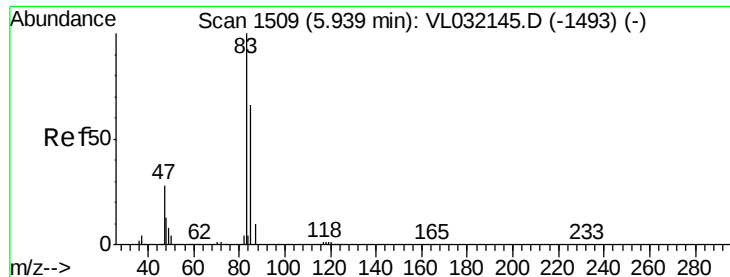
Tgt Ion: 76 Resp: 1708640
Ion Ratio Lower Upper
76 100
44 19.8 15.1 22.7
78 9.1 7.2 10.8



#28
Methyl tert-Butyl Ether
Concen: 8.823 ppbv
RT: 5.20 min Scan# 1278
Delta R.T. -0.01 min
Lab File: VL032152.D
Acq: 29 Jun 2018 23:11

Tgt Ion: 73 Resp: 2737594
Ion Ratio Lower Upper
73 100
57 22.9 18.6 27.8





#29

Chloroform

Concen: 9.434 ppbv

RT: 5.94 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

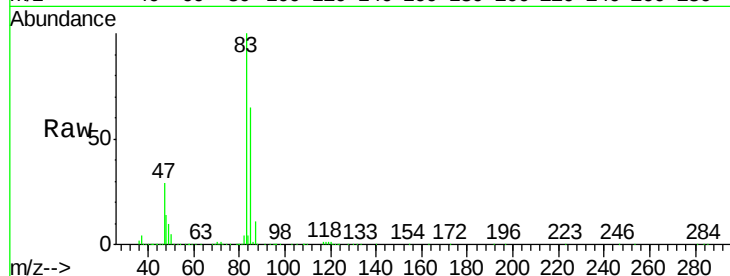
ICVVL062918

Tgt Ion: 83 Resp: 2410765

Ion Ratio Lower Upper

83 100

85 64.4 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

1500000

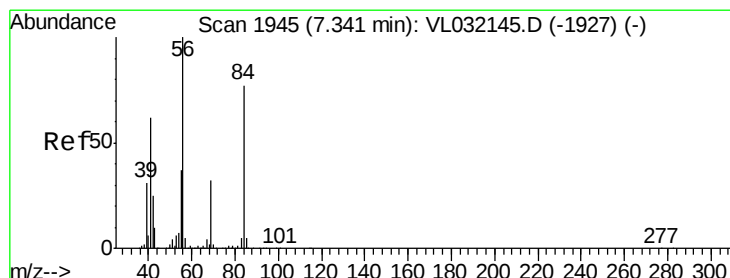
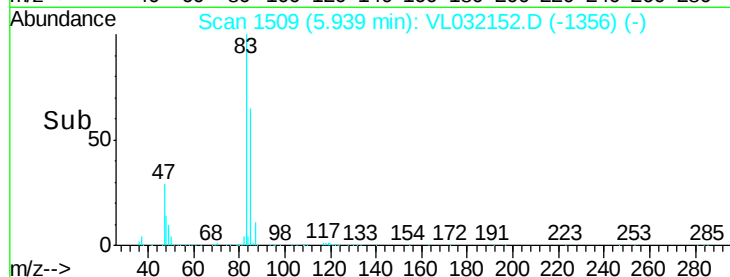
1000000

500000

0

5.85 5.90 5.95 6.00

Time-->



#30

Cyclohexane

Concen: 9.784 ppbv

RT: 7.34 min Scan# 1946

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

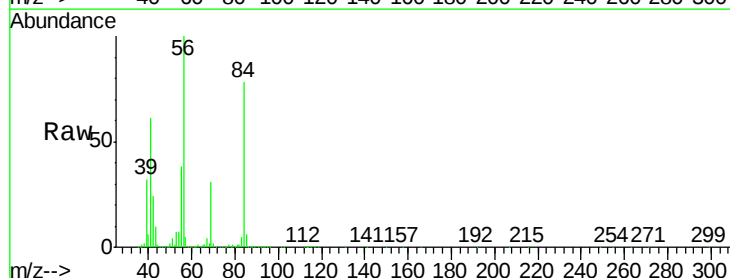
Tgt Ion: 84 Resp: 1618884

Ion Ratio Lower Upper

84 100

56 135.8 109.1 163.7

41 80.0 64.6 96.8



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

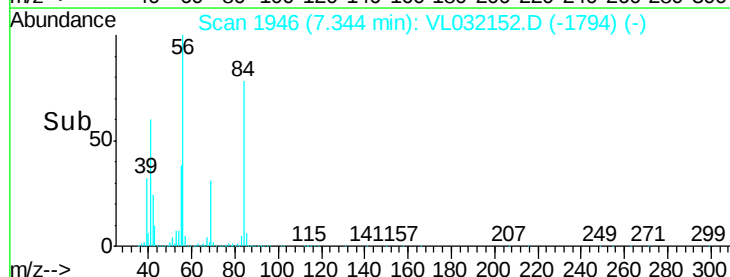
1000000

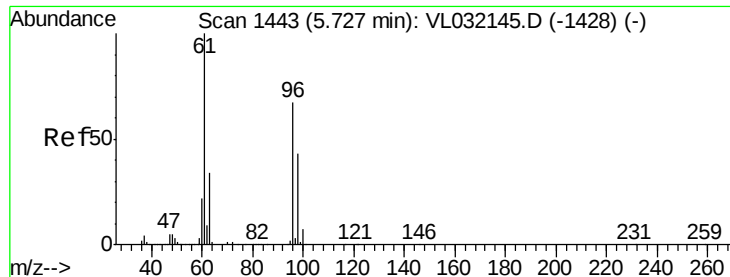
500000

0

7.25 7.30 7.35 7.40

Time-->





#31

cis-1,2-Dichloroethene

Concen: 9.789 ppbv

RT: 5.72 min Scan# 1442

Delta R.T. -0.02 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL062918

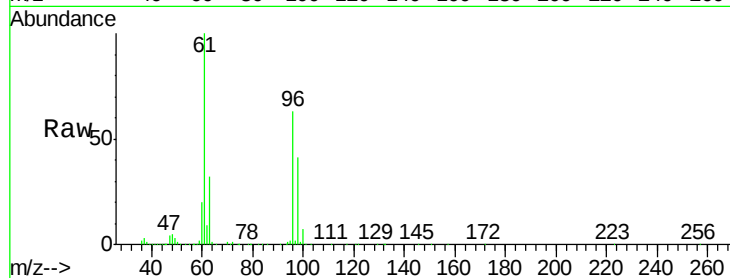
Tgt Ion: 61 Resp: 1717444

Ion Ratio Lower Upper

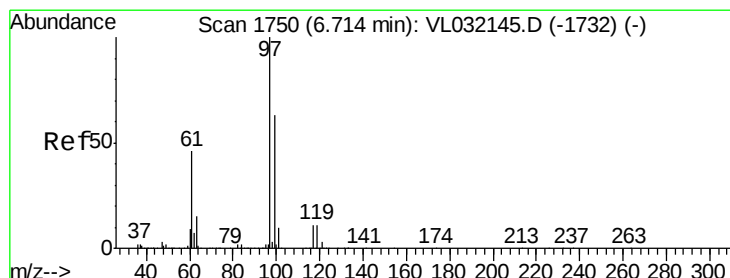
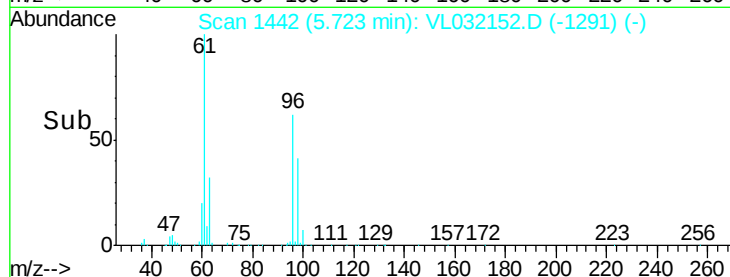
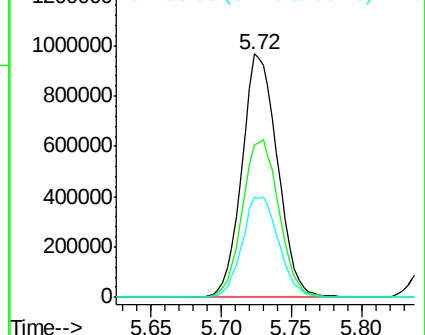
61 100

96 62.4 54.2 81.4

98 41.3 34.6 52.0



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



#32

1,1,1-Trichloroethane

Concen: 9.866 ppbv

RT: 6.71 min Scan# 1749

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

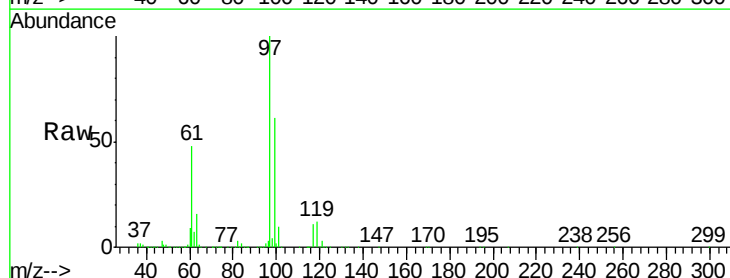
Tgt Ion: 97 Resp: 2642882

Ion Ratio Lower Upper

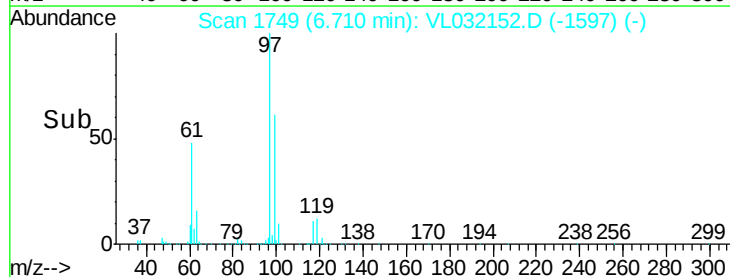
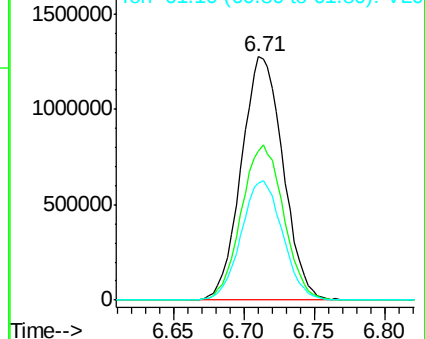
97 100

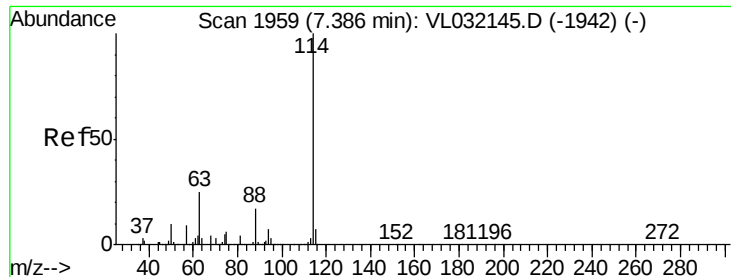
99 64.6 51.3 76.9

61 48.7 38.4 57.6



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

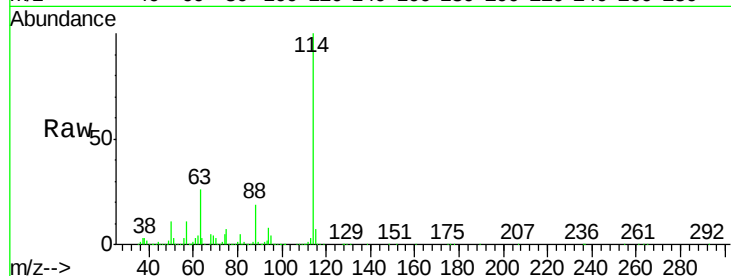




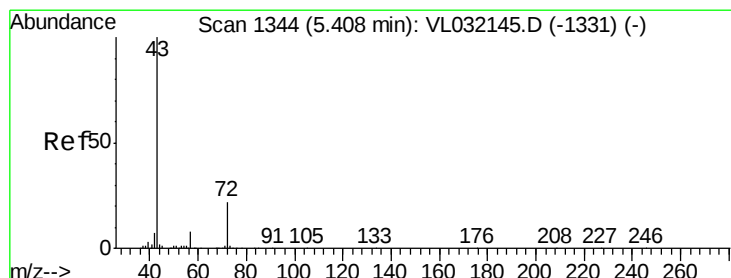
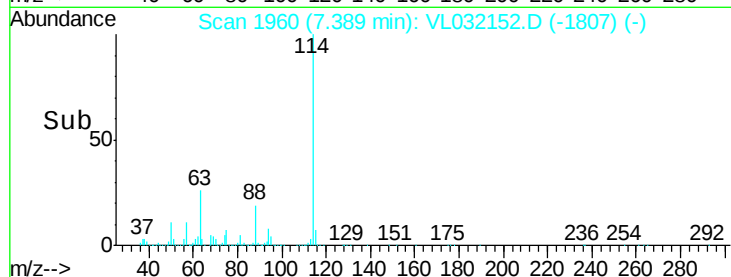
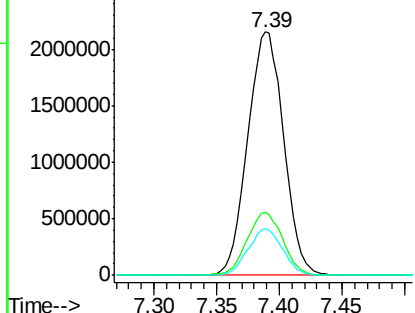
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.39 min Scan# 1960
 Delta R.T. -0.01 min
 Lab File: VL032152.D
 Acq: 29 Jun 2018 23:11

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL062918

Tgt Ion:114 Resp: 4296003
 Ion Ratio Lower Upper
 114 100
 63 26.0 19.1 28.7
 88 18.5 13.9 20.9

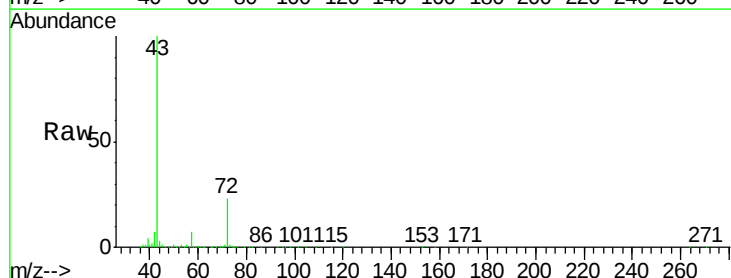


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

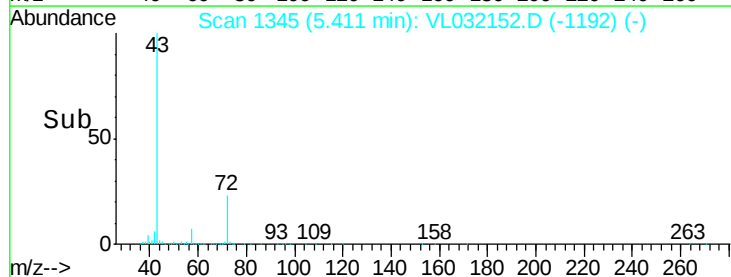
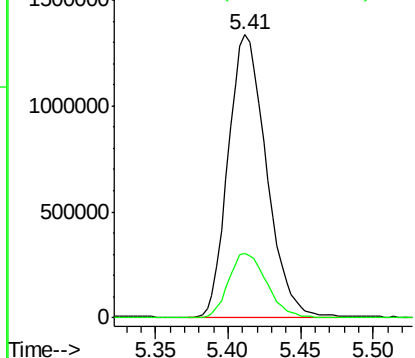


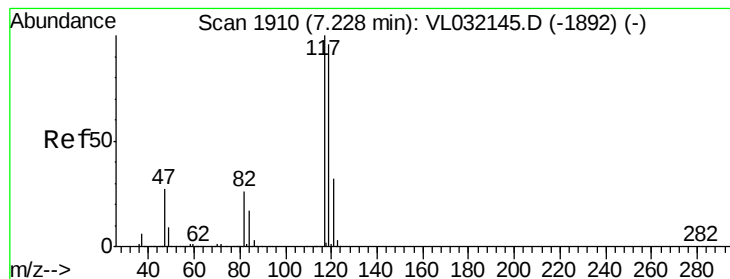
#34
 2-Butanone
 Concen: 8.911 ppbv
 RT: 5.41 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VL032152.D
 Acq: 29 Jun 2018 23:11

Tgt Ion: 43 Resp: 2429735
 Ion Ratio Lower Upper
 43 100
 72 23.2 18.4 27.6



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





#35

Carbon Tetrachloride

Concen: 9.254 ppbv

RT: 7.23 min Scan# 1910

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL062918

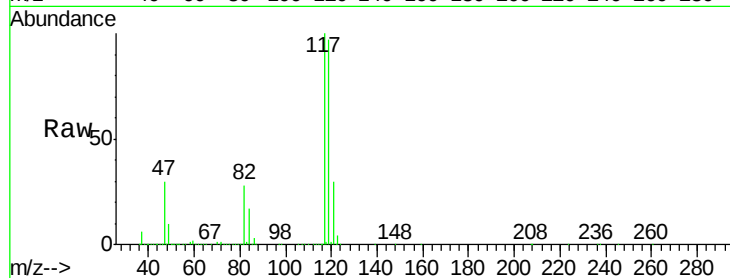
Tgt Ion:117 Resp: 2721455

Ion Ratio Lower Upper

117 100

119 96.6 74.8 112.2

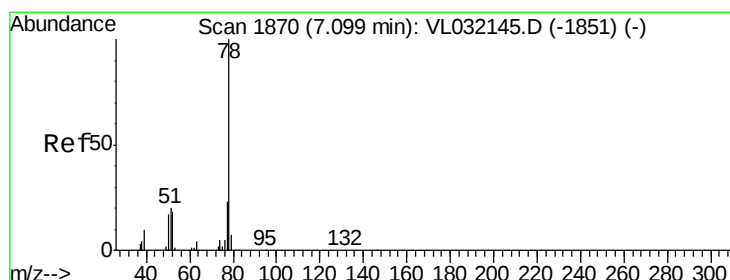
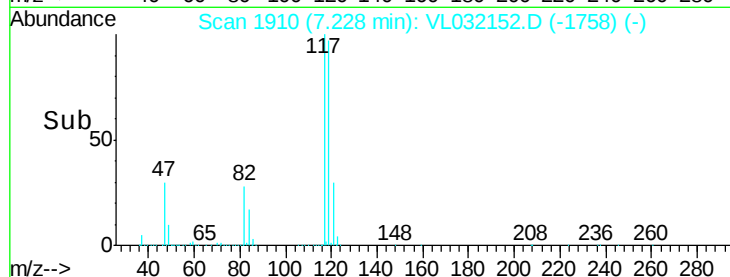
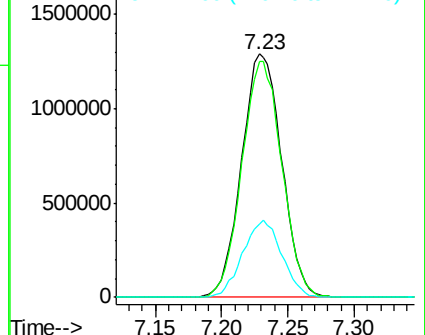
121 30.4 24.0 36.0



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: 9.495 ppbv

RT: 7.10 min Scan# 1871

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

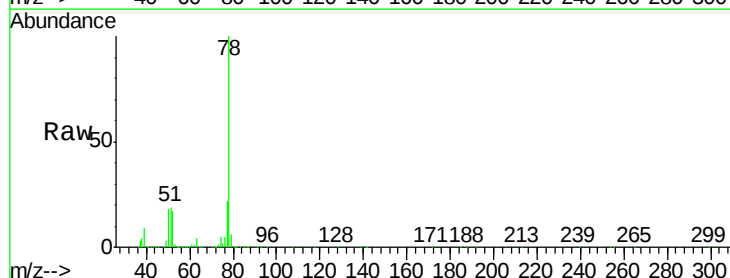
Tgt Ion: 78 Resp: 3947885

Ion Ratio Lower Upper

78 100

77 22.4 17.7 26.5

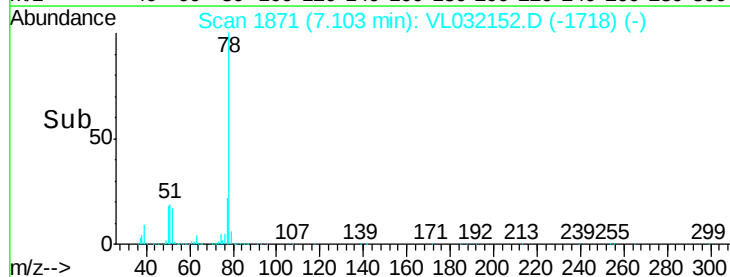
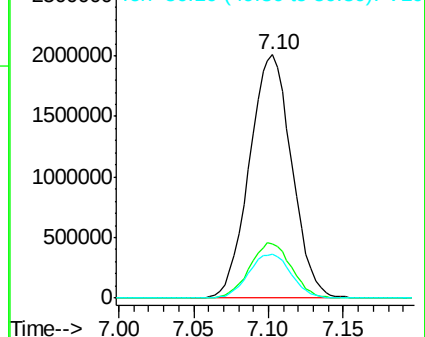
50 18.3 14.0 21.0

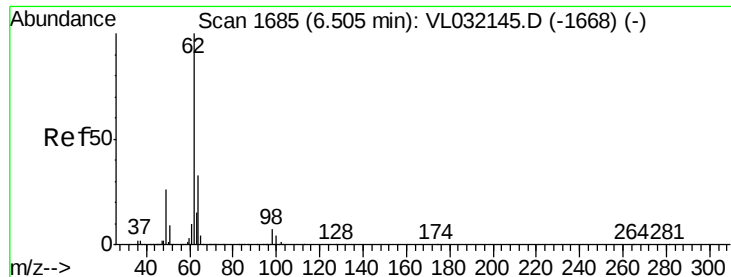


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

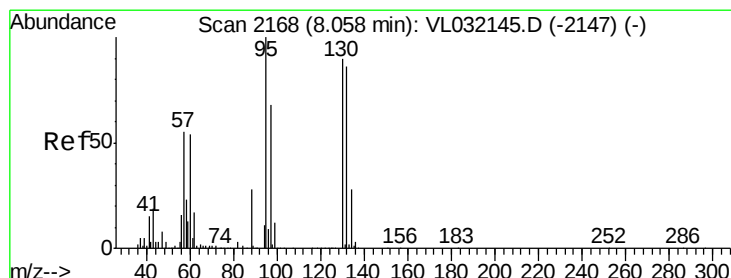
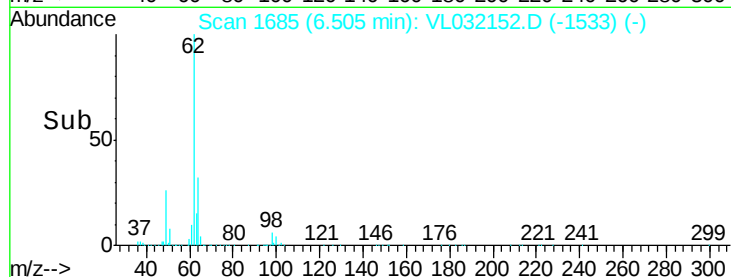
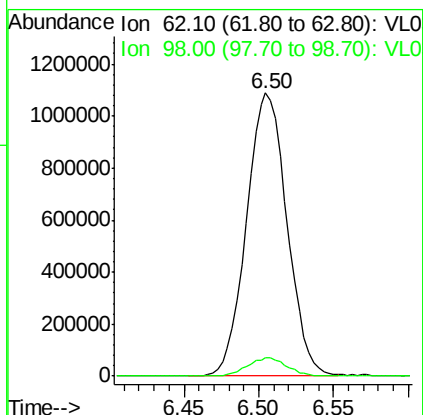
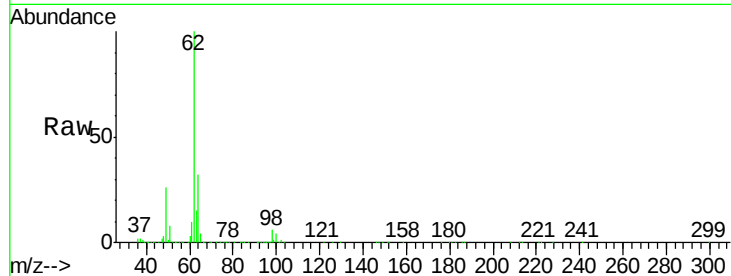




#37
 1,2-Dichloroethane
 Concen: 9.869 ppbv
 RT: 6.50 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: VL032152.D
 Acq: 29 Jun 2018 23:11

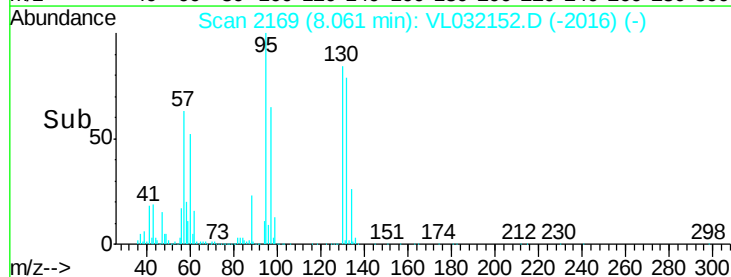
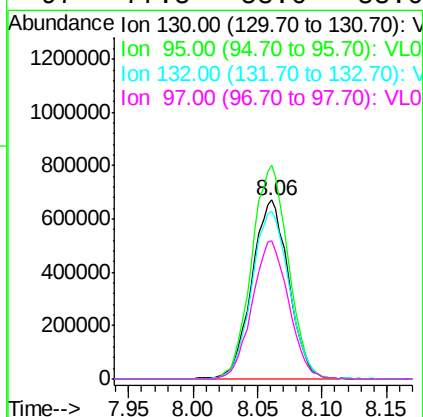
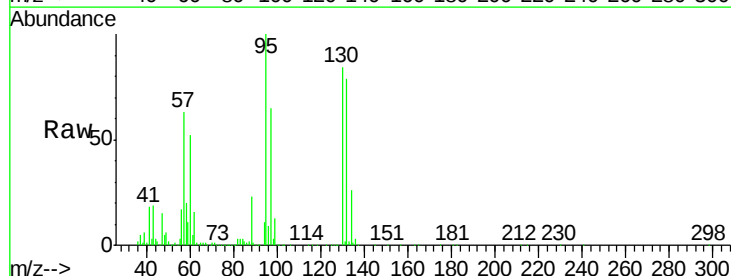
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL062918

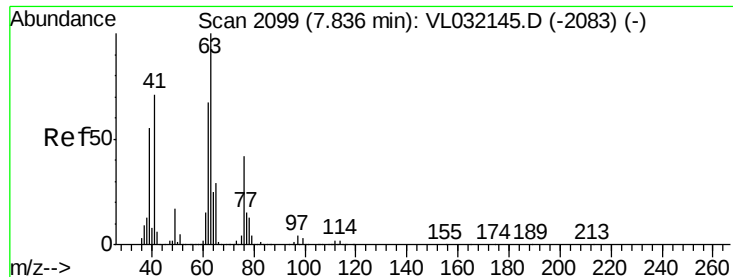
Tgt Ion: 62 Resp: 2044513
 Ion Ratio Lower Upper
 62 100
 98 6.5 5.8 8.6



#38
 Trichloroethene
 Concen: 8.206 ppbv
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VL032152.D
 Acq: 29 Jun 2018 23:11

Tgt Ion: 130 Resp: 1332871
 Ion Ratio Lower Upper
 130 100
 95 119.7 88.1 132.1
 132 94.2 74.6 112.0
 97 77.5 58.6 88.0

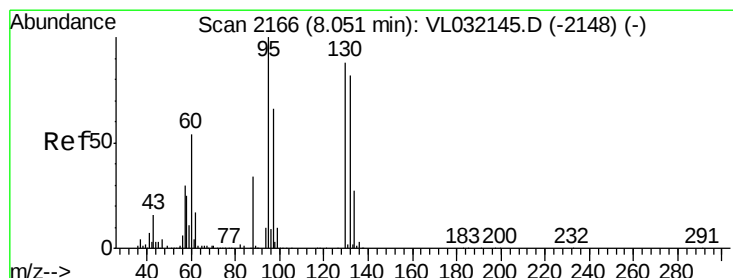
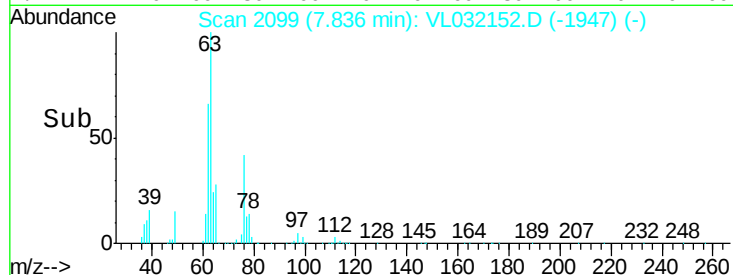
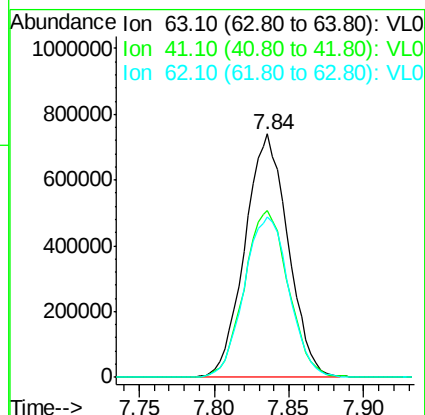
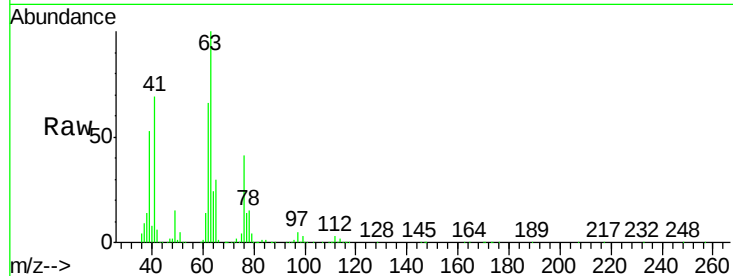




#39
 1,2-Dichloropropane
 Concen: 9.062 ppbv
 RT: 7.84 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: VL032152.D
 Acq: 29 Jun 2018 23:11

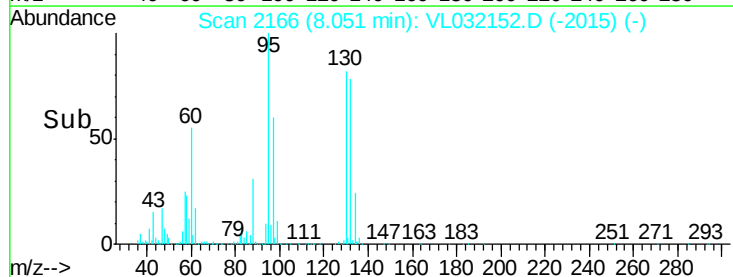
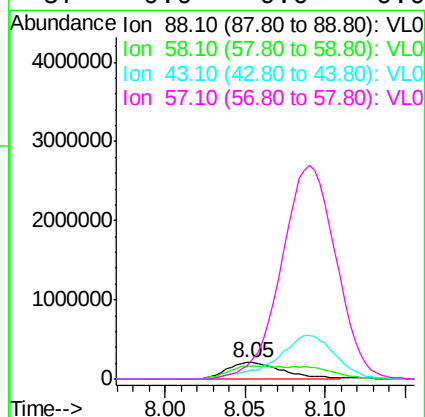
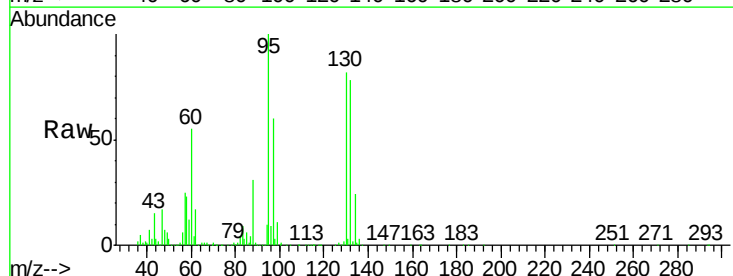
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL062918

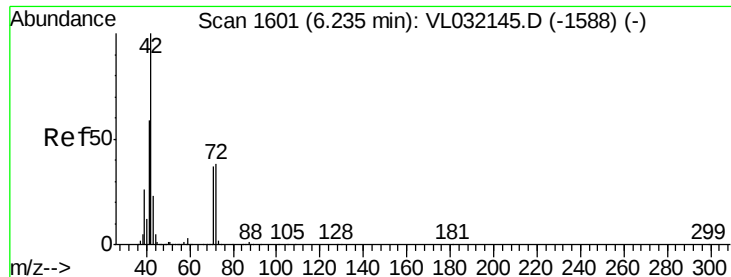
Tgt Ion: 63 Resp: 1486131
 Ion Ratio Lower Upper
 63 100
 41 68.7 53.3 79.9
 62 65.8 54.8 82.2



#40
 1,4-Dioxane
 Concen: 7.734 ppbv
 RT: 8.05 min Scan# 2166
 Delta R.T. -0.02 min
 Lab File: VL032152.D
 Acq: 29 Jun 2018 23:11

Tgt Ion: 88 Resp: 497392
 Ion Ratio Lower Upper
 88 100
 58 136.7 47.4 71.0#
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0

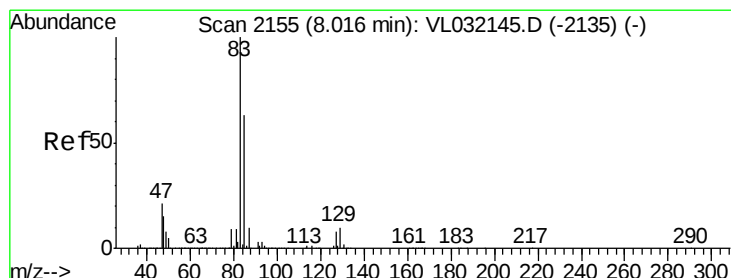
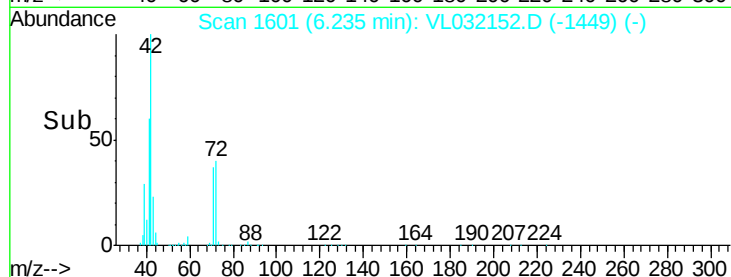
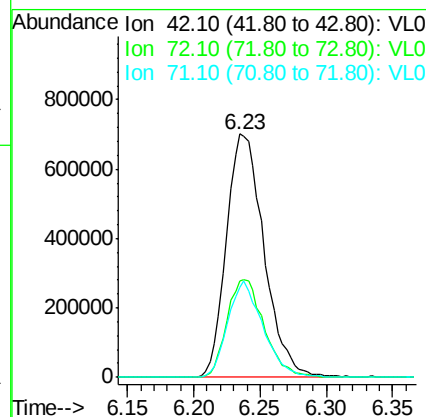
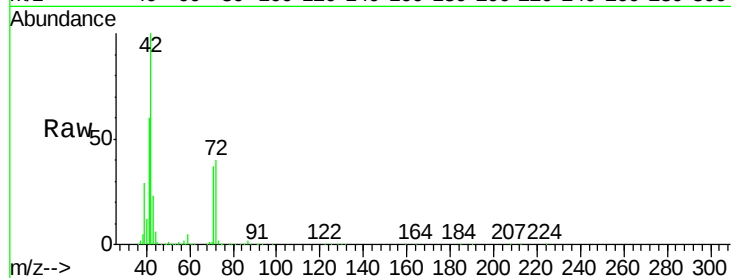




#41
Tetrahydrofuran
Concen: 8.415 ppbv
RT: 6.23 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VL032152.D
Acq: 29 Jun 2018 23:11

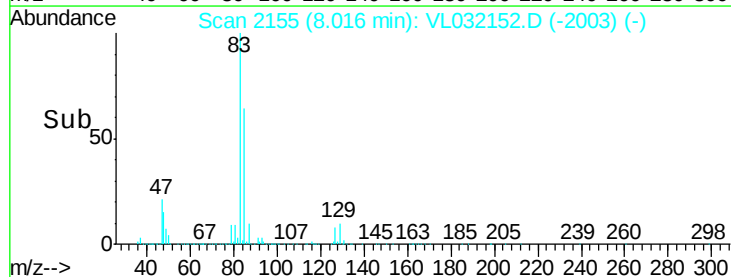
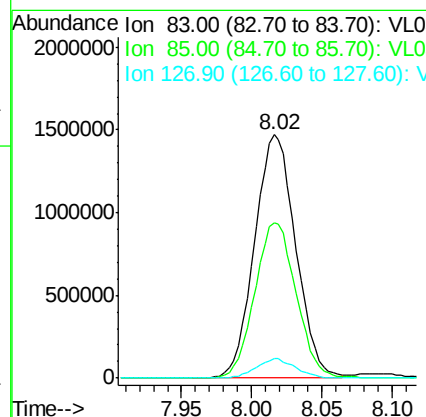
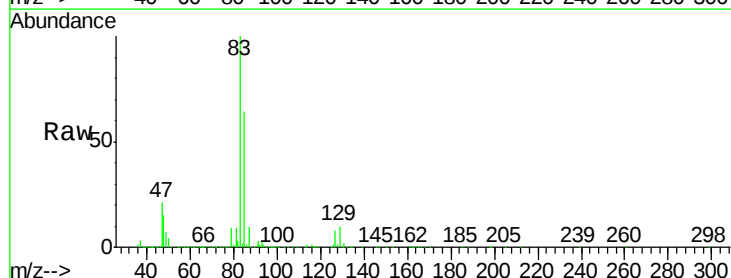
Instrument :
MSVOA_L
ClientSampleId :
ICVVL062918

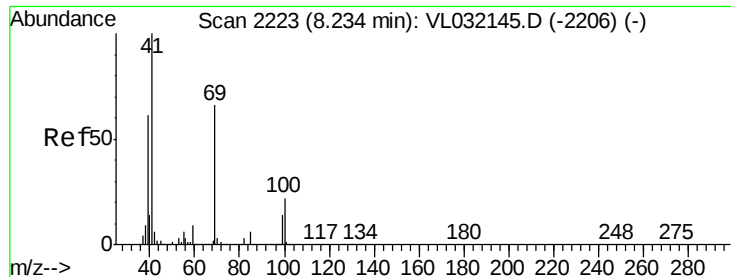
Tgt Ion: 42 Resp: 1375371
Ion Ratio Lower Upper
42 100
72 40.3 31.1 46.7
71 37.4 29.5 44.3



#42
Bromodichloromethane
Concen: 9.217 ppbv
RT: 8.02 min Scan# 2155
Delta R.T. -0.01 min
Lab File: VL032152.D
Acq: 29 Jun 2018 23:11

Tgt Ion: 83 Resp: 2992764
Ion Ratio Lower Upper
83 100
85 64.0 52.6 79.0
127 8.2 6.5 9.7

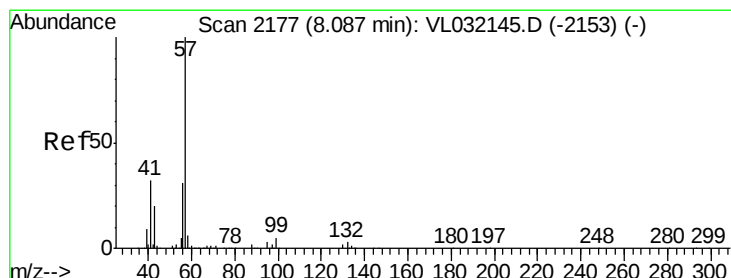
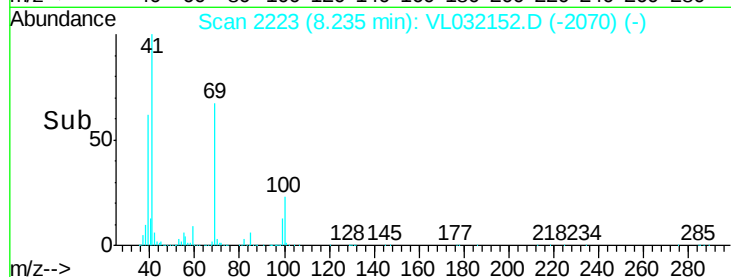
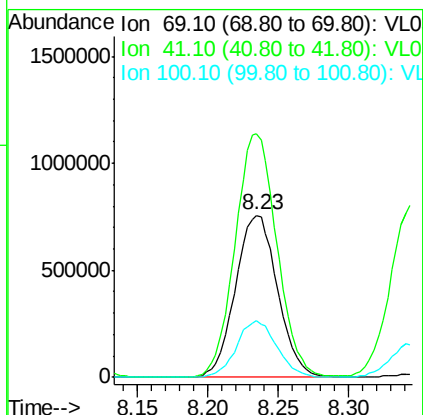
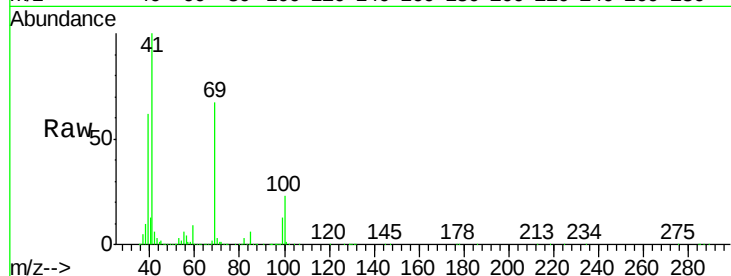




#43
Methyl Methacrylate
Concen: 9.155 ppbv
RT: 8.23 min Scan# 2223
Delta R.T. -0.01 min
Lab File: VL032152.D
Acq: 29 Jun 2018 23:11

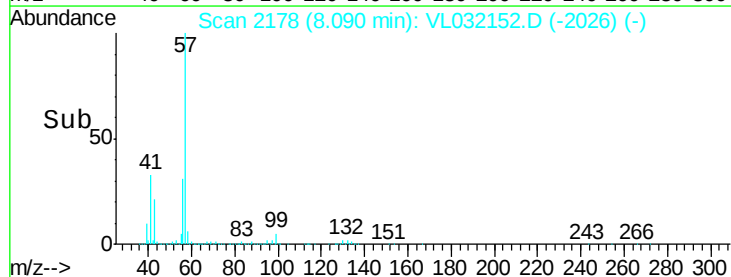
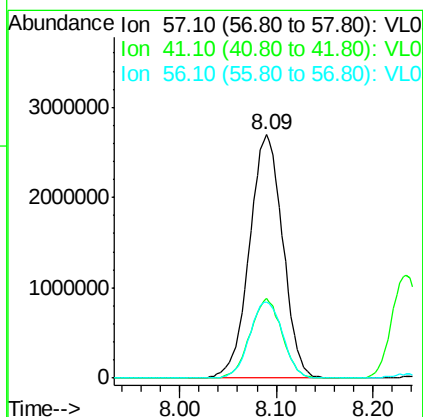
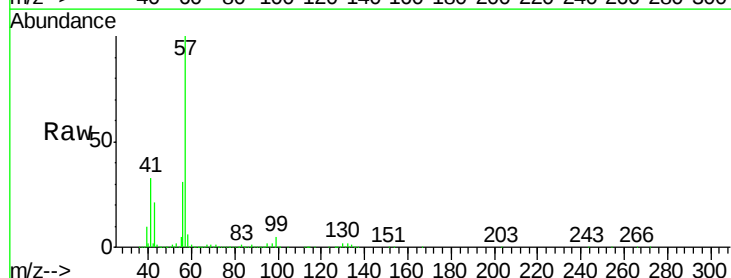
Instrument :
MSVOA_L
ClientSampleId :
ICVVL062918

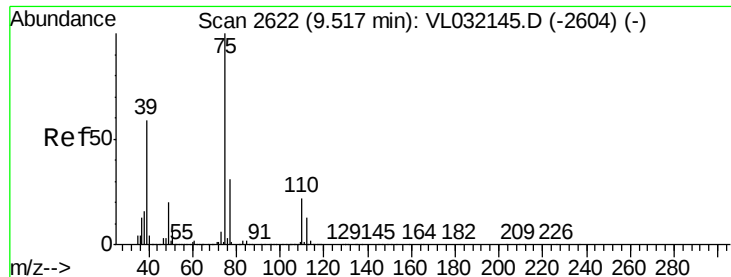
Tgt Ion: 69 Resp: 1577896
Ion Ratio Lower Upper
69 100
41 149.2 118.2 177.4
100 33.7 27.4 41.2



#44
2,2,4-Trimethylpentane
Concen: 8.839 ppbv
RT: 8.09 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL032152.D
Acq: 29 Jun 2018 23:11

Tgt Ion: 57 Resp: 6430377
Ion Ratio Lower Upper
57 100
41 31.3 24.3 36.5
56 31.2 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 9.916 ppbv

RT: 9.52 min Scan# 2622

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

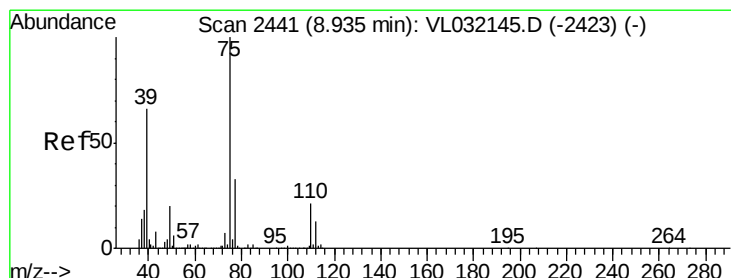
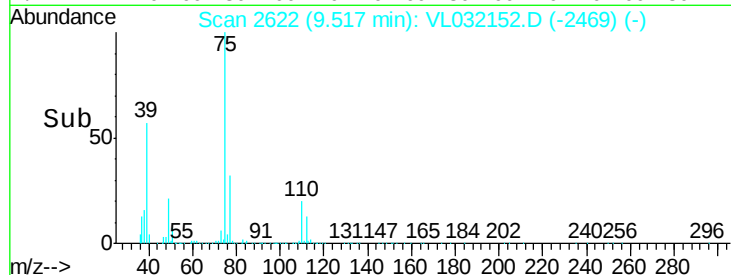
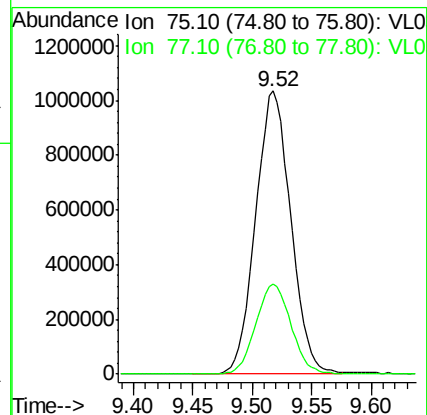
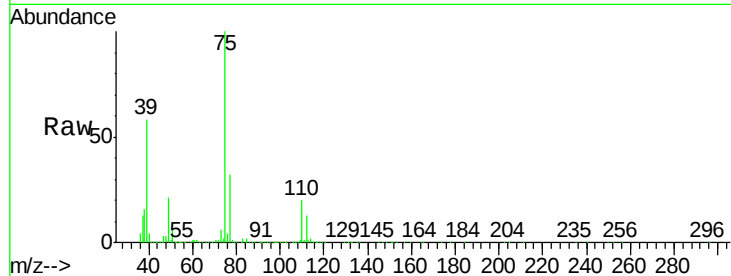
ICVVL062918

Tgt Ion: 75 Resp: 2117577

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 9.675 ppbv

RT: 8.94 min Scan# 2441

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

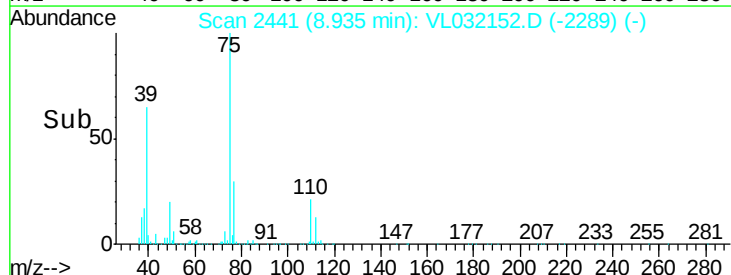
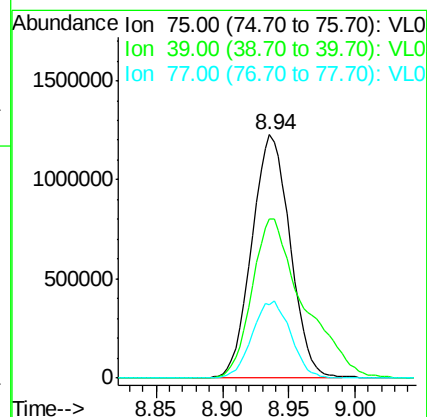
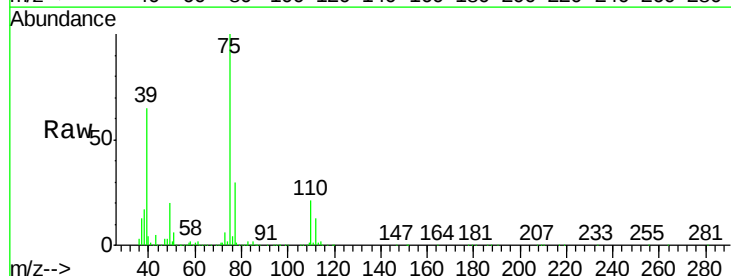
Tgt Ion: 75 Resp: 2466920

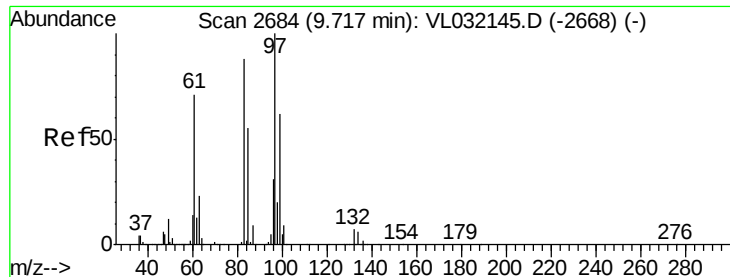
Ion Ratio Lower Upper

75 100

39 65.2 51.9 77.9

77 30.4 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 8.932 ppbv

RT: 9.72 min Scan# 2684

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL062918

Tgt Ion: 97 Resp: 1522443

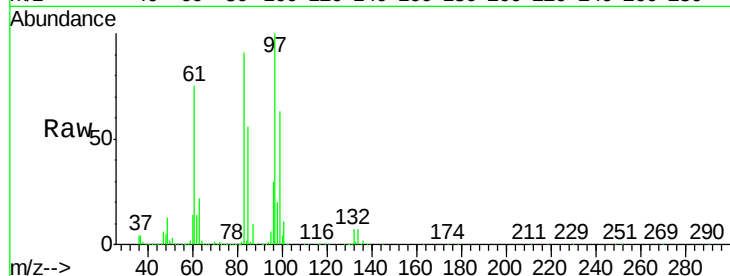
Ion Ratio Lower Upper

97 100

83 90.7 71.0 106.4

85 55.1 44.2 66.4

99 62.8 49.2 73.8

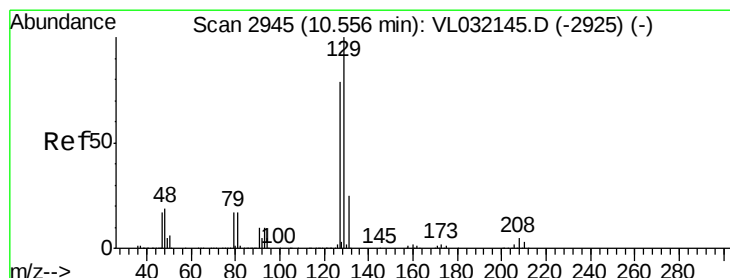
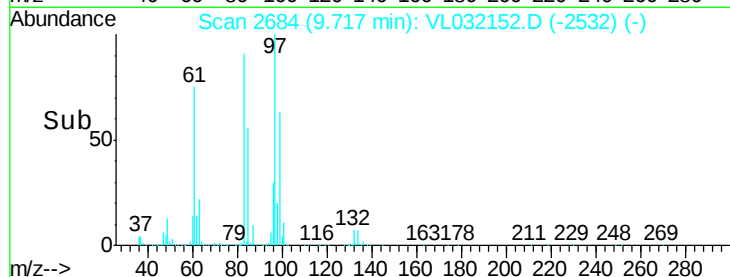
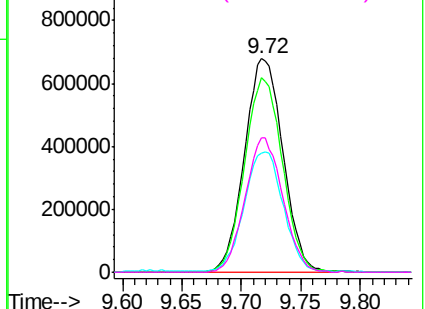


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 8.964 ppbv

RT: 10.56 min Scan# 2946

Delta R.T. -0.01 min

Lab File: VL032152.D

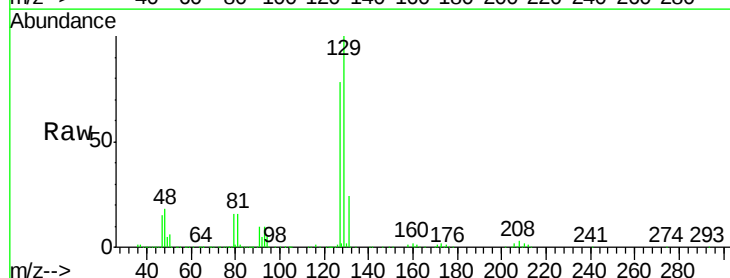
Acq: 29 Jun 2018 23:11

Tgt Ion: 129 Resp: 2365488

Ion Ratio Lower Upper

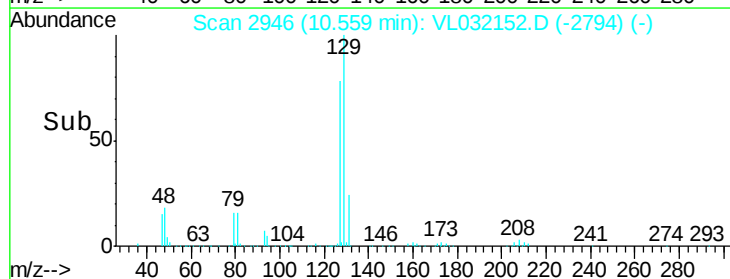
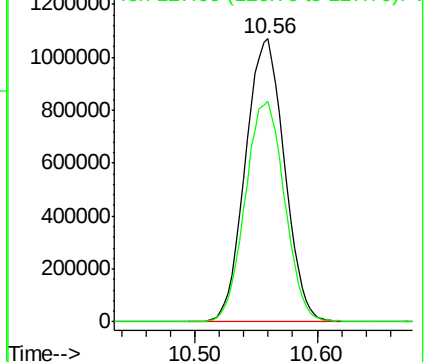
129 100

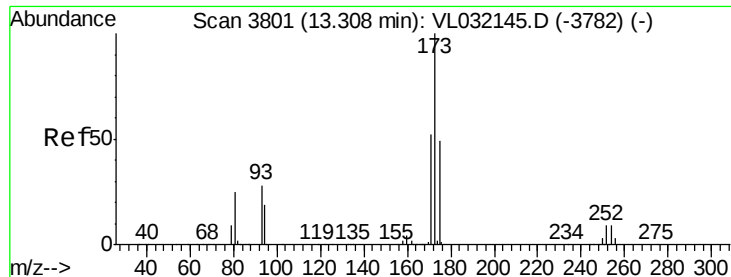
127 78.7 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 8.107 ppbv

RT: 13.31 min Scan# 3802

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL062918

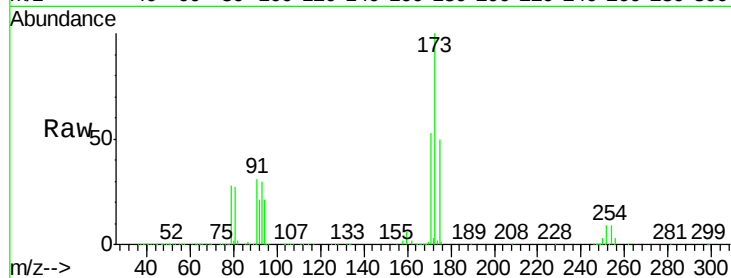
Tgt Ion:173 Resp: 1791459

Ion Ratio Lower Upper

173 100

175 48.8 39.4 59.0

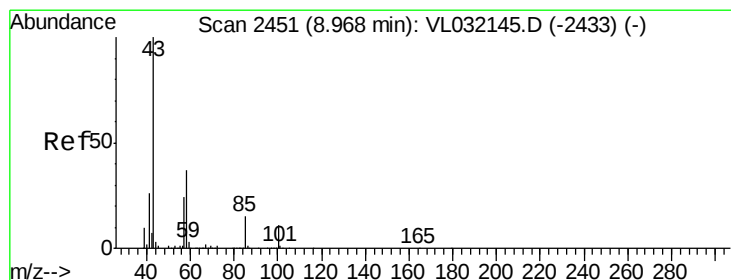
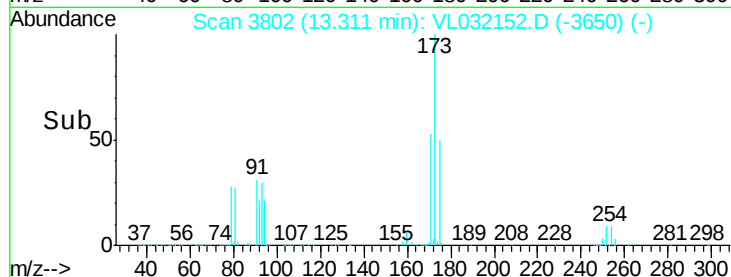
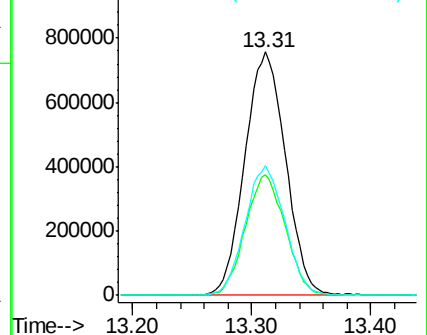
171 52.2 41.8 62.8



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.979 ppbv

RT: 8.97 min Scan# 2452

Delta R.T. -0.01 min

Lab File: VL032152.D

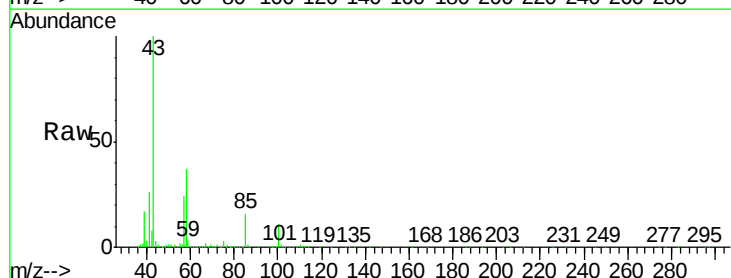
Acq: 29 Jun 2018 23:11

Tgt Ion: 43 Resp: 4010582

Ion Ratio Lower Upper

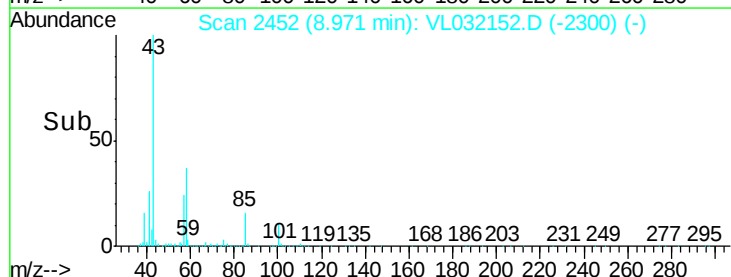
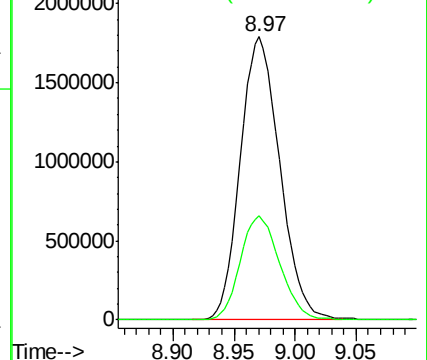
43 100

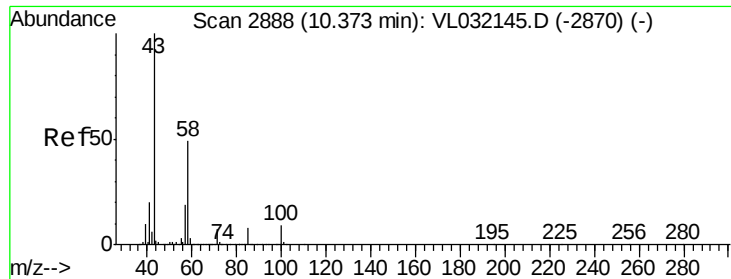
58 36.9 29.8 44.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 8.511 ppbv

RT: 10.38 min Scan# 2889

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL062918

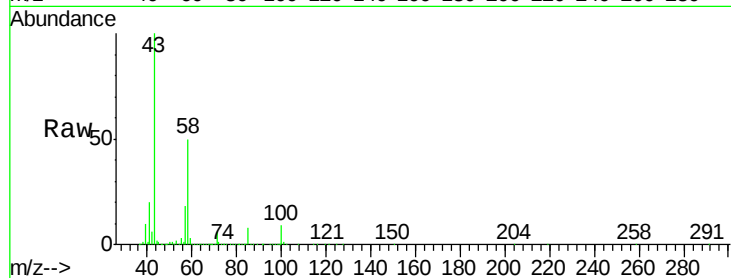
Tgt Ion: 43 Resp: 3151591

Ion Ratio Lower Upper

43 100

58 50.7 40.6 60.8

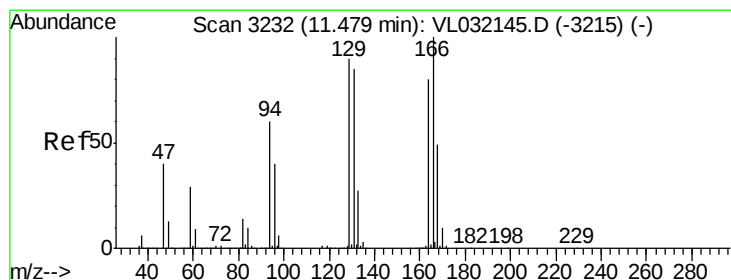
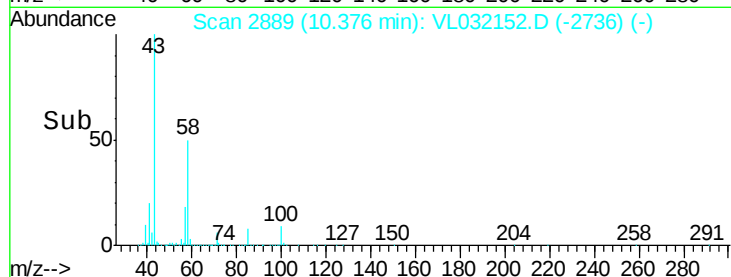
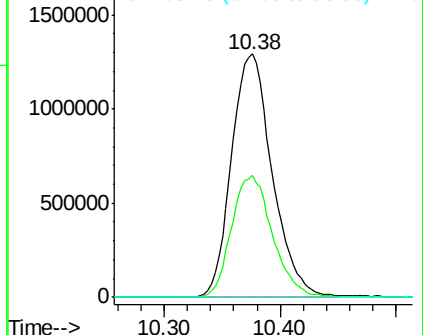
98 0.1 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 7.774 ppbv

RT: 11.48 min Scan# 3232

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Tgt Ion: 164 Resp: 1175403

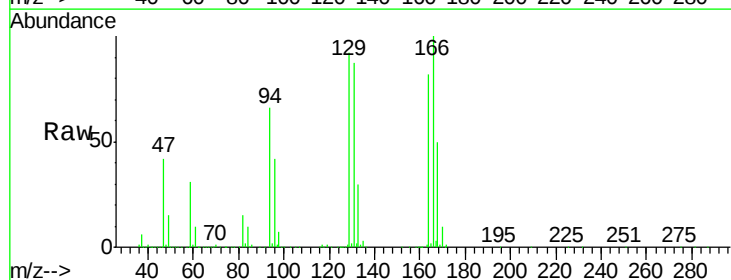
Ion Ratio Lower Upper

164 100

166 122.4 100.6 151.0

129 112.5 84.0 126.0

131 106.8 82.7 124.1

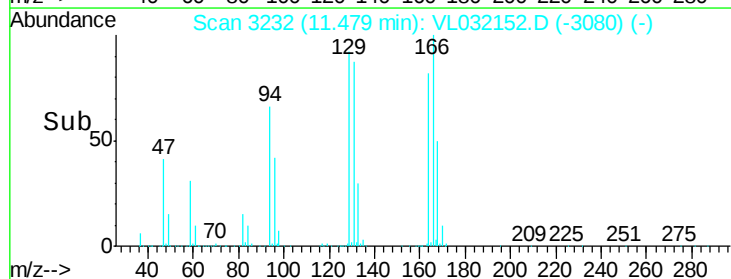
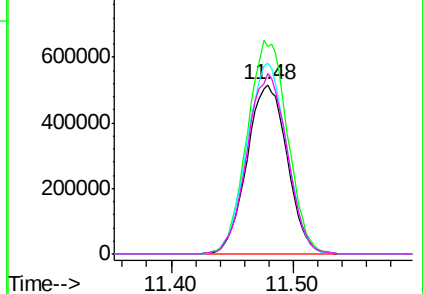


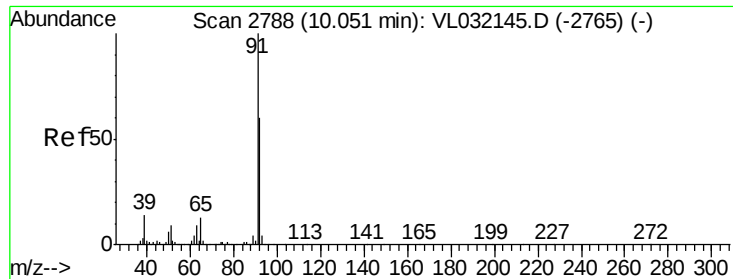
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 8.747 ppbv

RT: 10.05 min Scan# 2788

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

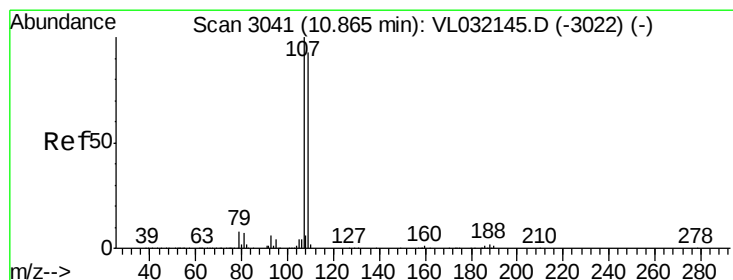
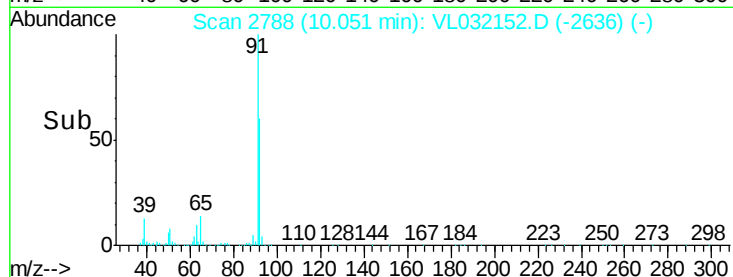
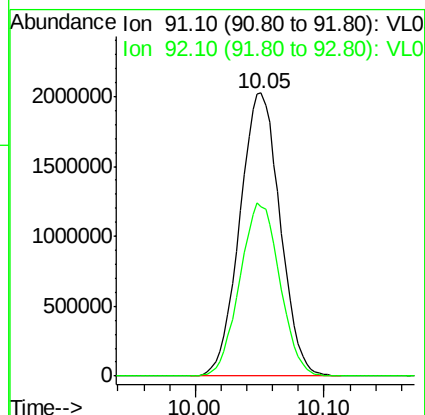
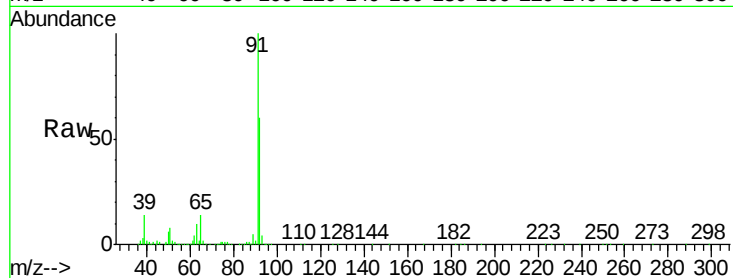
ICVVL062918

Tgt Ion: 91 Resp: 4395986

Ion Ratio Lower Upper

91 100

92 61.0 49.2 73.8



#54

1,2-Dibromoethane

Concen: 8.725 ppbv

RT: 10.87 min Scan# 3042

Delta R.T. -0.01 min

Lab File: VL032152.D

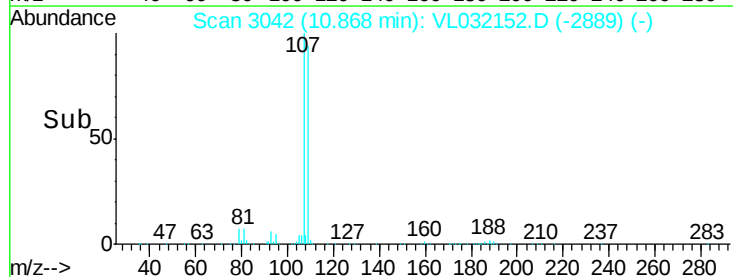
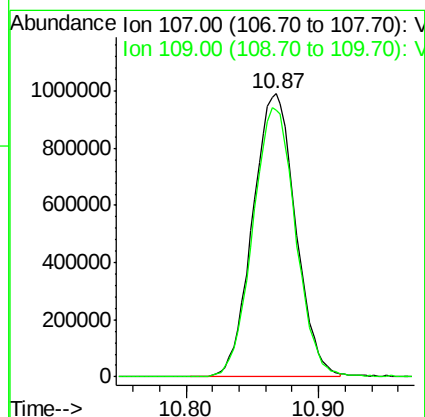
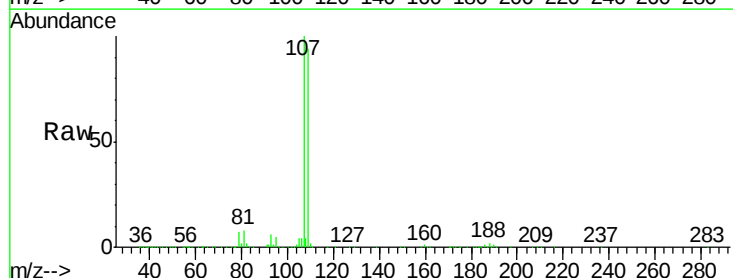
Acq: 29 Jun 2018 23:11

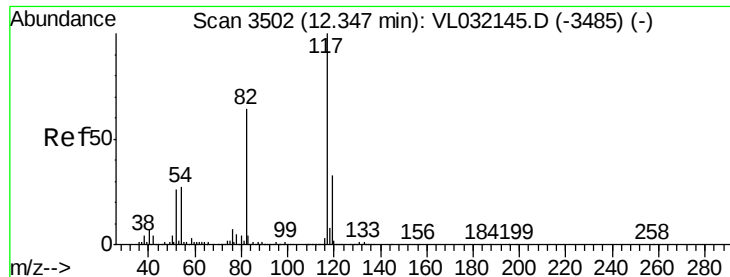
Tgt Ion: 107 Resp: 2235828

Ion Ratio Lower Upper

107 100

109 94.2 75.0 112.4

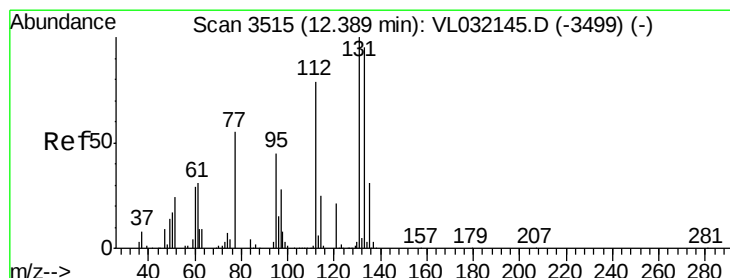
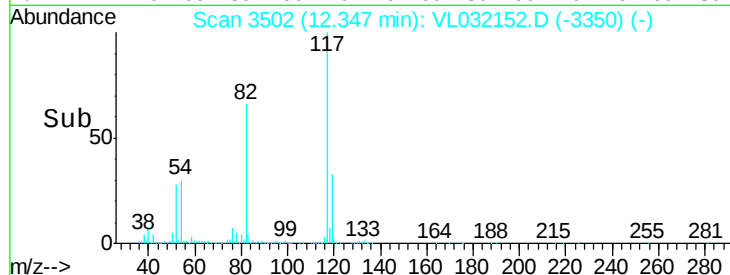
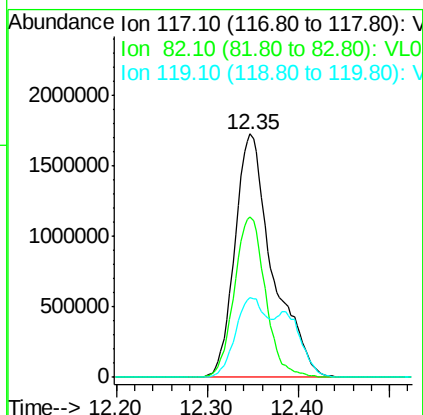
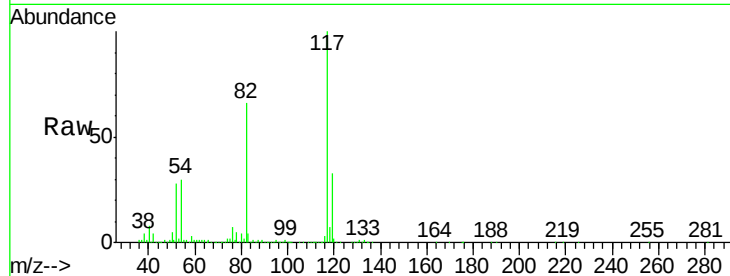




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.35 min Scan# 3502
Delta R.T. -0.01 min
Lab File: VL032152.D
Acq: 29 Jun 2018 23:11

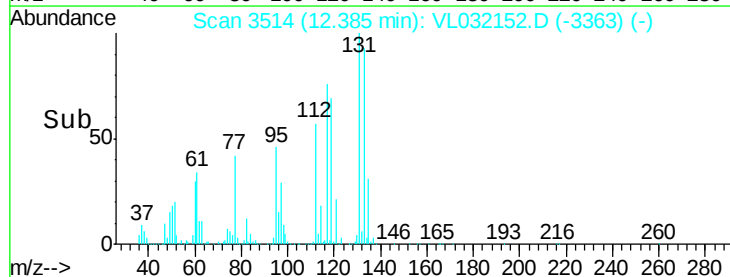
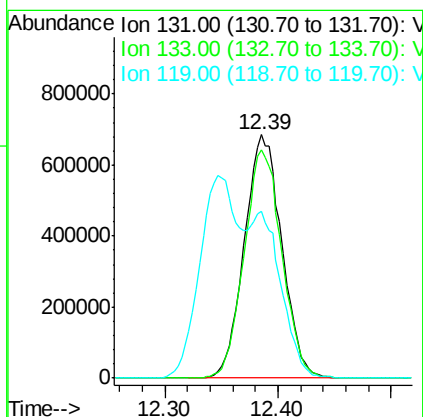
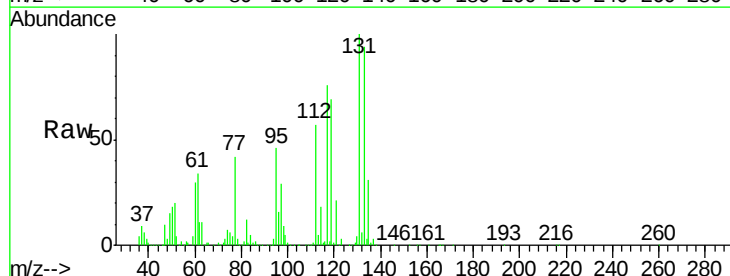
Instrument :
MSVOA_L
ClientSampleId :
ICVVL062918

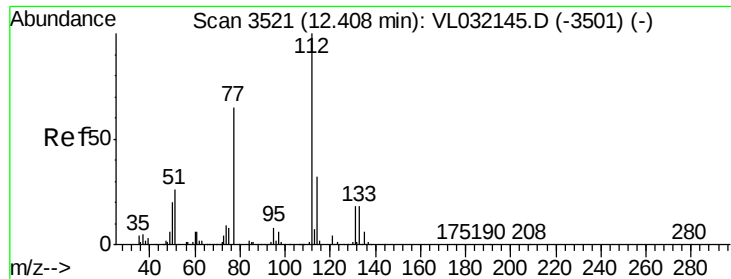
Tgt Ion:117 Resp: 4978123
Ion Ratio Lower Upper
117 100
82 54.6 47.8 71.8
119 46.3 43.3 64.9



#56
1,1,1,2-Tetrachloroethane
Concen: 7.067 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.02 min
Lab File: VL032152.D
Acq: 29 Jun 2018 23:11

Tgt Ion:131 Resp: 1570776
Ion Ratio Lower Upper
131 100
133 94.5 75.5 113.3
119 146.7 118.4 177.6





#57

Chlorobenzene

Concen: 7.031 ppbv

RT: 12.41 min Scan# 3521

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL062918

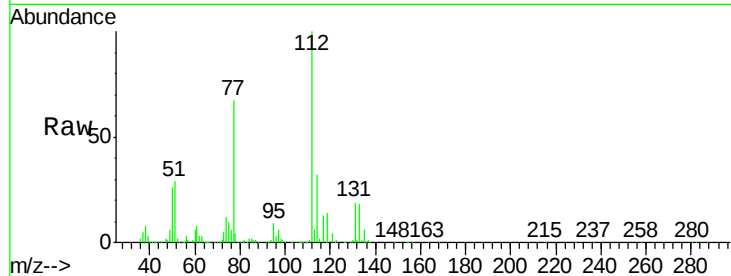
Tgt Ion: 112 Resp: 3031180

Ion Ratio Lower Upper

112 100

77 66.8 52.6 78.8

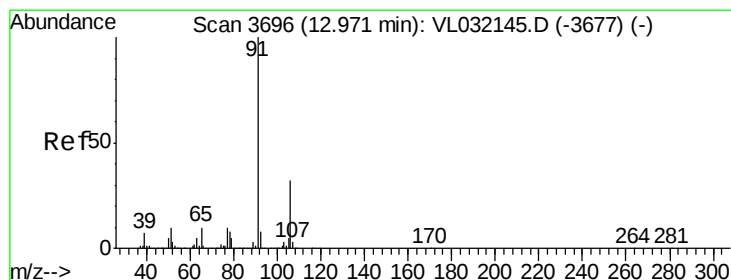
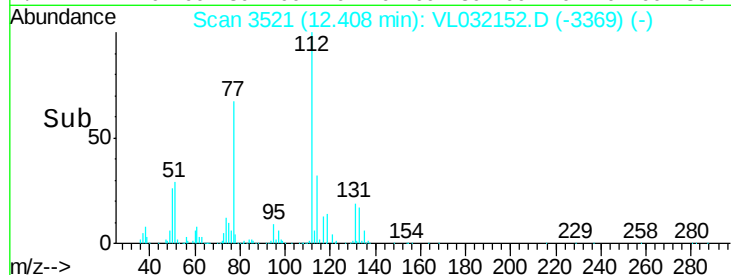
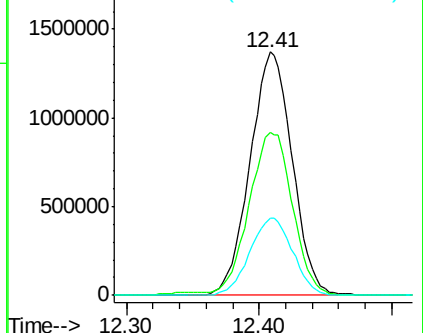
114 31.6 27.9 34.1



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: 7.136 ppbv

RT: 12.97 min Scan# 3696

Delta R.T. -0.01 min

Lab File: VL032152.D

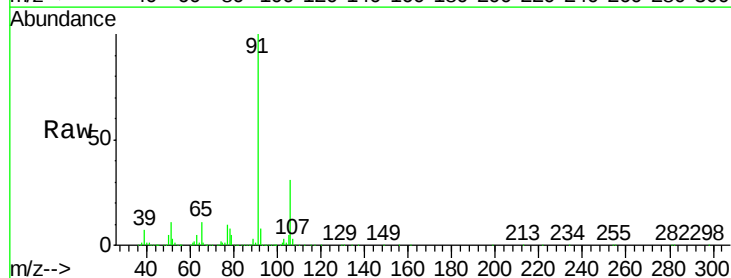
Acq: 29 Jun 2018 23:11

Tgt Ion: 91 Resp: 5724526

Ion Ratio Lower Upper

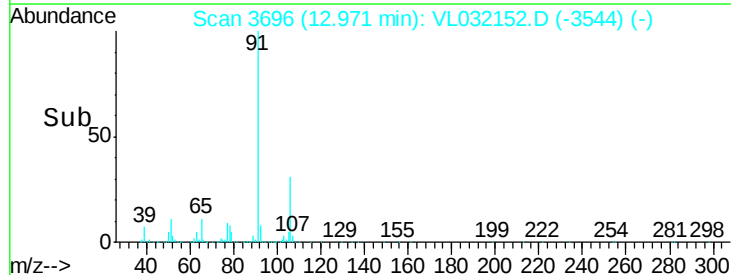
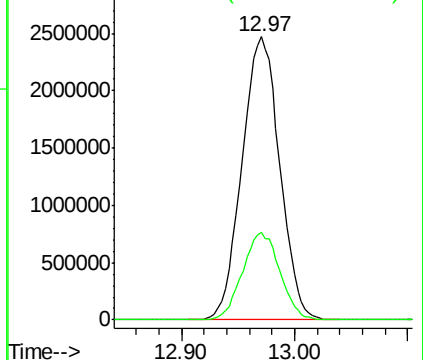
91 100

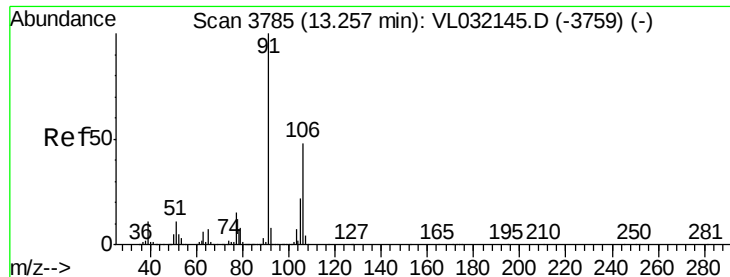
106 30.9 26.5 39.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

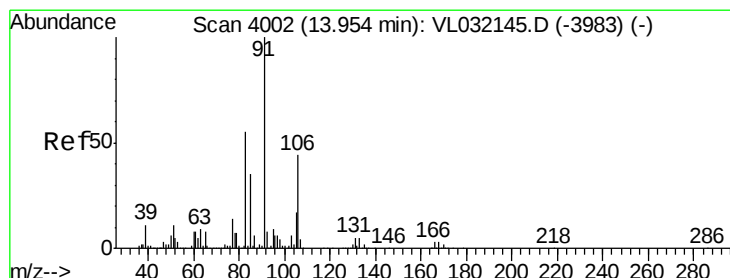
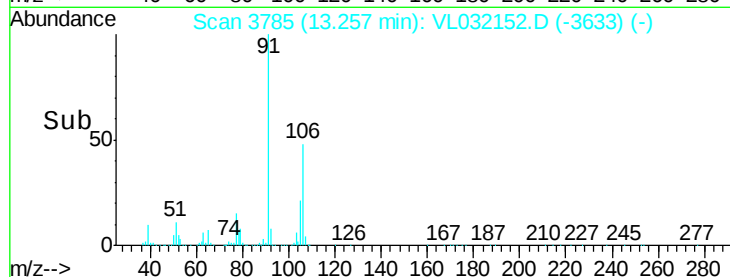
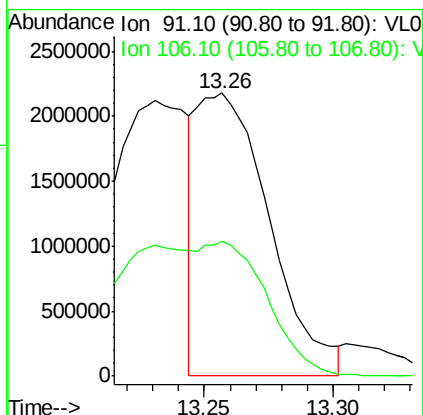
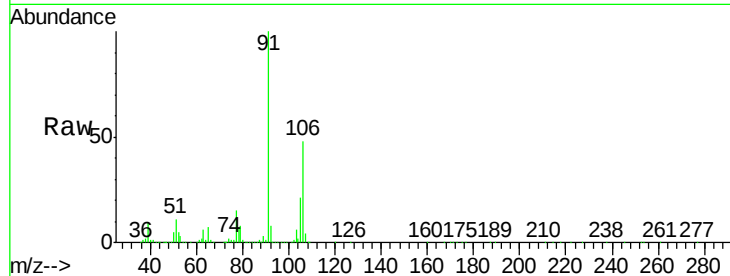




#59
m/p-Xylene
Concen: 6.603 ppbv
RT: 13.26 min Scan# 3785
Delta R.T. -0.01 min
Lab File: VL032152.D
Acq: 29 Jun 2018 23:11

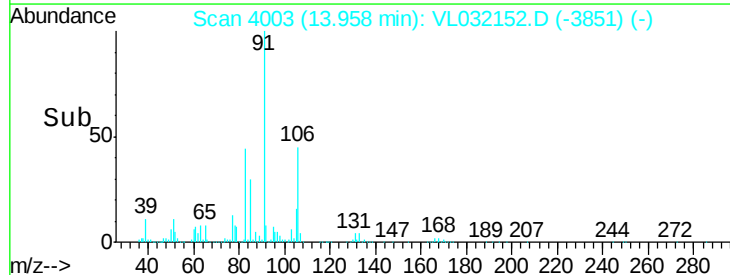
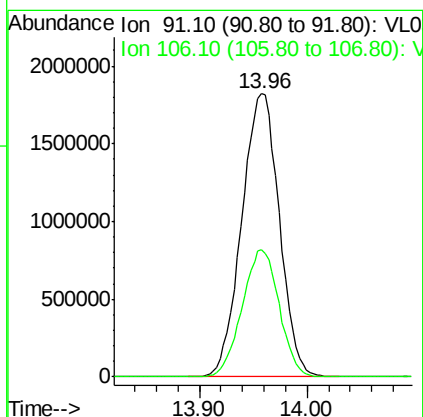
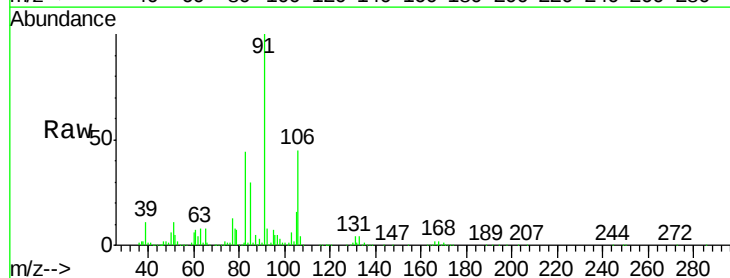
Instrument :
MSVOA_L
ClientSampleId :
ICVVL062918

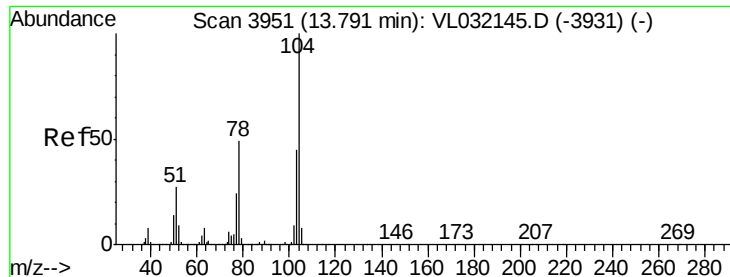
Tgt Ion: 91 Resp: 4246060
Ion Ratio Lower Upper
91 100
106 98.2 38.6 58.0#



#60
o-Xylene
Concen: 6.882 ppbv
RT: 13.96 min Scan# 4003
Delta R.T. -0.01 min
Lab File: VL032152.D
Acq: 29 Jun 2018 23:11

Tgt Ion: 91 Resp: 4414208
Ion Ratio Lower Upper
91 100
106 44.4 23.3 69.8





#61

Styrene

Concen: 6.785 ppbv

RT: 13.79 min Scan# 3951

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL062918

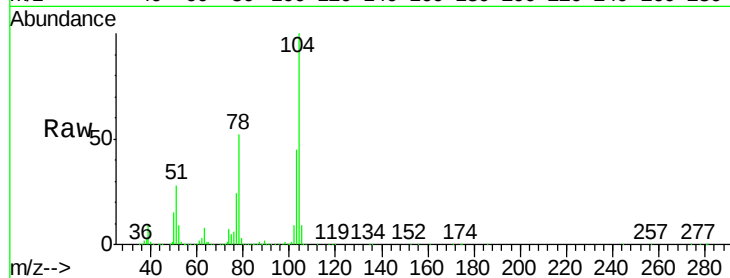
Tgt Ion:104 Resp: 3566189

Ion Ratio Lower Upper

104 100

78 51.6 37.9 56.9

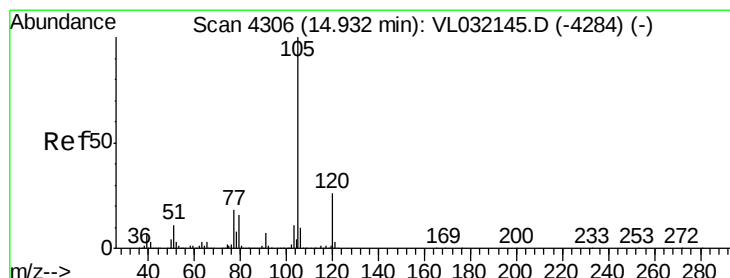
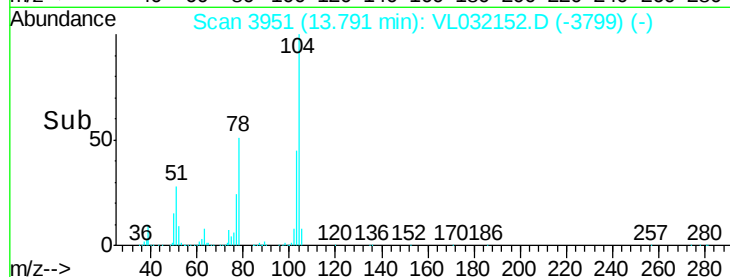
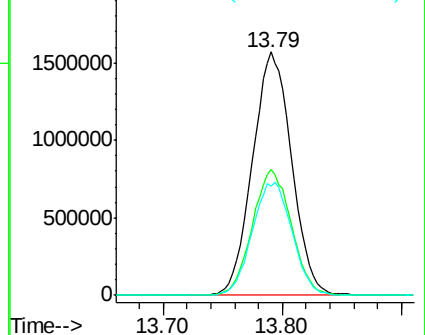
103 47.3 36.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 6.345 ppbv

RT: 14.93 min Scan# 4306

Delta R.T. -0.02 min

Lab File: VL032152.D

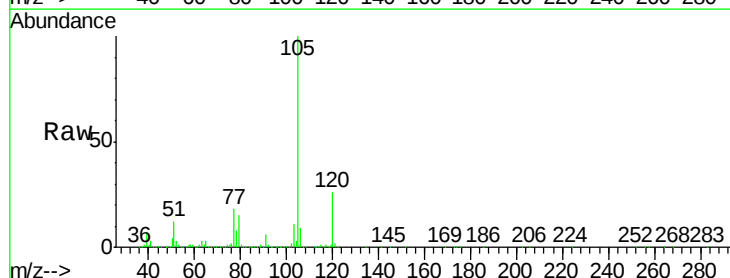
Acq: 29 Jun 2018 23:11

Tgt Ion:105 Resp: 6257366

Ion Ratio Lower Upper

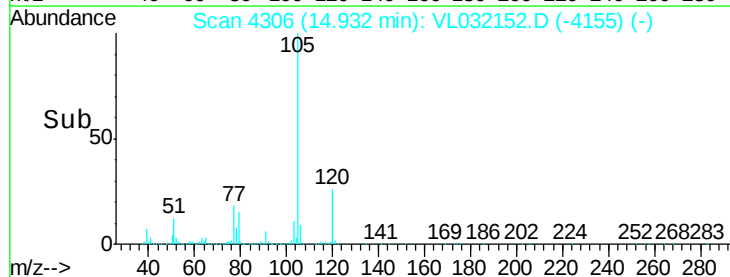
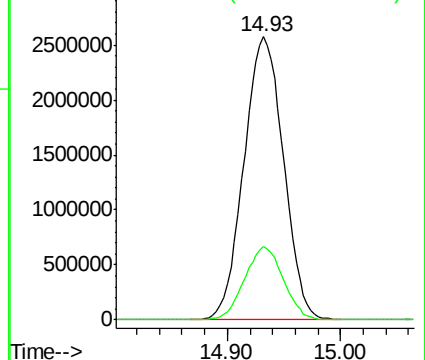
105 100

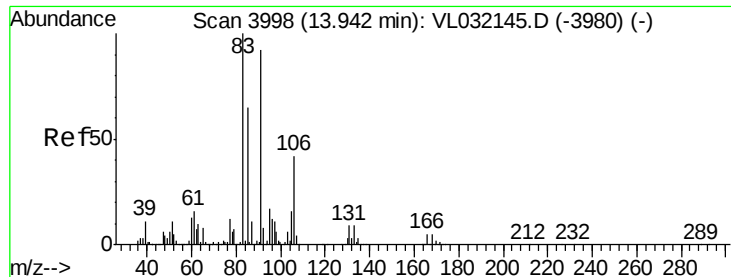
120 25.3 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 5.835 ppbv

RT: 13.94 min Scan# 3999

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL062918

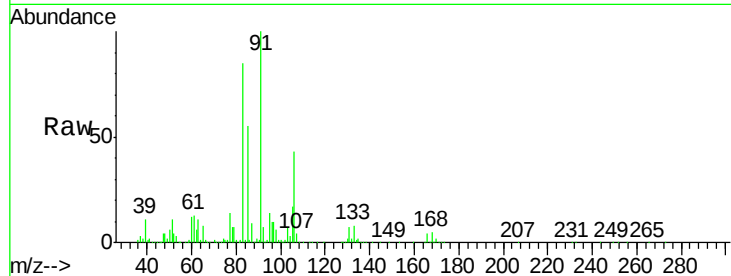
Tgt Ion: 83 Resp: 2897737

Ion Ratio Lower Upper

83 100

131 8.6 4.6 13.8

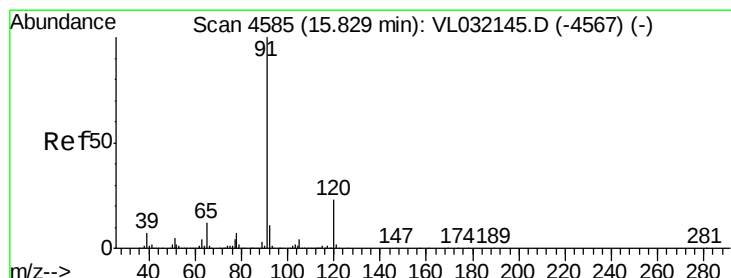
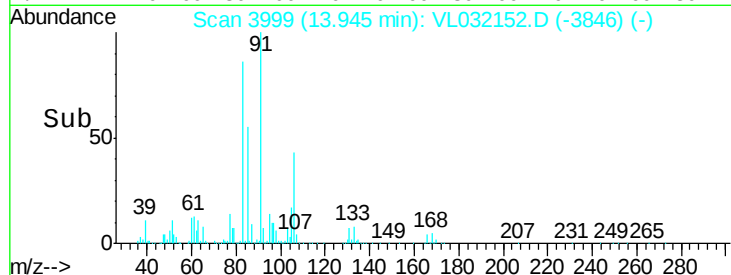
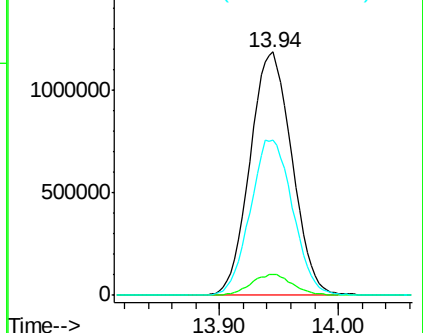
85 64.9 32.4 97.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 6.343 ppbv

RT: 15.83 min Scan# 4584

Delta R.T. -0.02 min

Lab File: VL032152.D

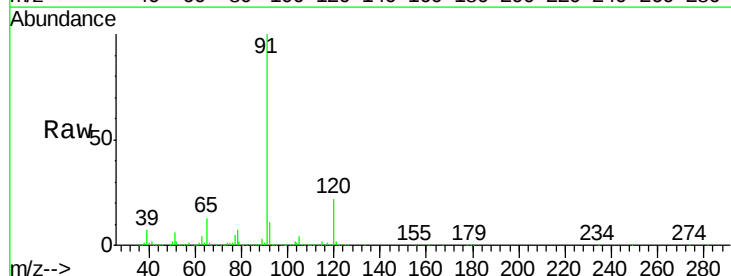
Acq: 29 Jun 2018 23:11

Tgt Ion: 120 Resp: 1619054

Ion Ratio Lower Upper

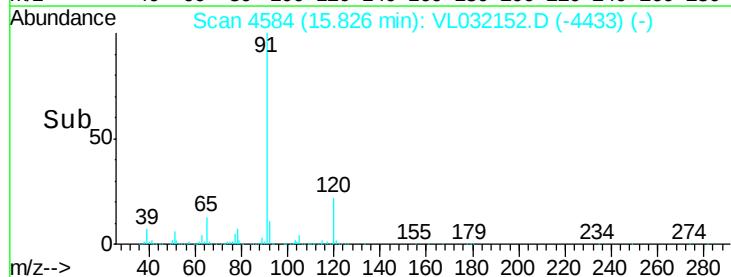
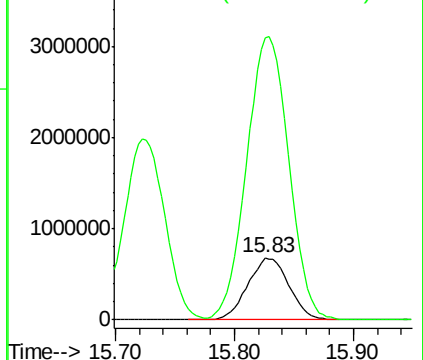
120 100

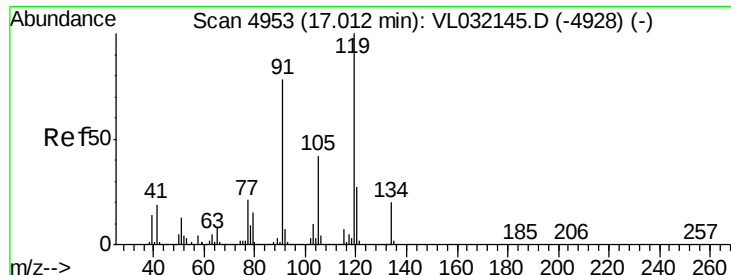
91 471.6 357.4 536.0



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

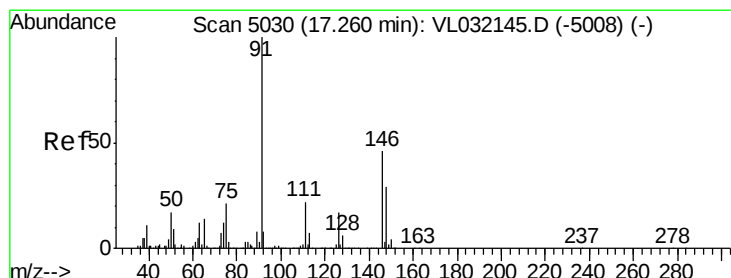
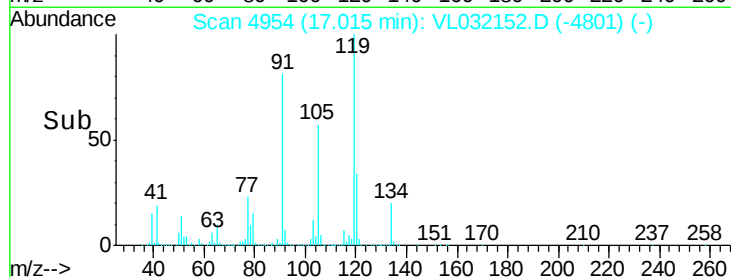
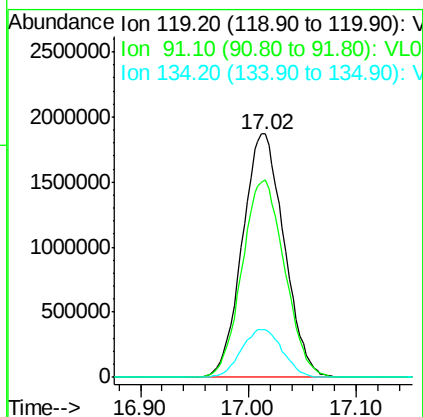
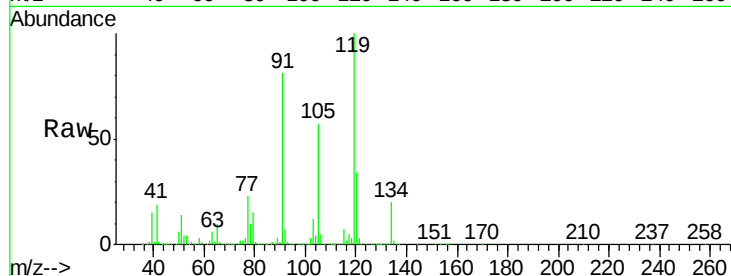




#65
 tert-Butylbenzene
 Concen: 5.795 ppbv
 RT: 17.02 min Scan# 4954
 Delta R.T. -0.01 min
 Lab File: VL032152.D
 Acq: 29 Jun 2018 23:11

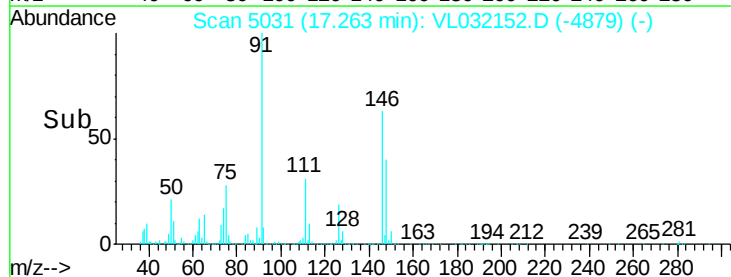
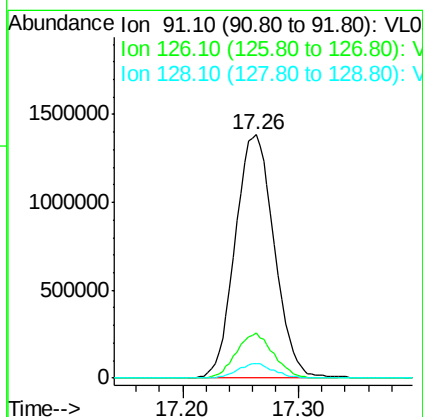
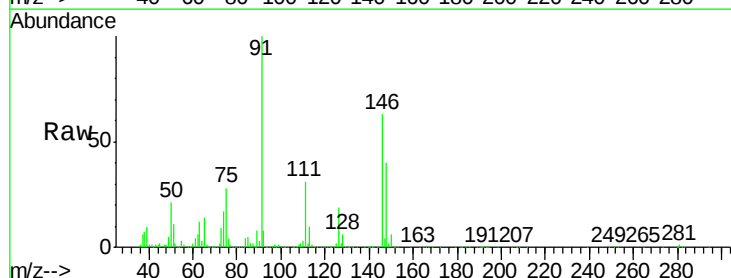
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL062918

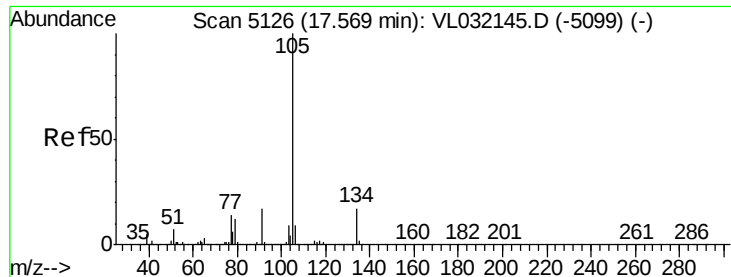
Tgt Ion: 119 Resp: 5022046
 Ion Ratio Lower Upper
 119 100
 91 82.5 62.2 93.2
 134 19.4 16.2 24.2



#66
 Benzyl Chloride
 Concen: 6.050 ppbv
 RT: 17.26 min Scan# 5031
 Delta R.T. -0.01 min
 Lab File: VL032152.D
 Acq: 29 Jun 2018 23:11

Tgt Ion: 91 Resp: 3237908
 Ion Ratio Lower Upper
 91 100
 126 17.8 15.7 23.5
 128 5.6 5.2 7.8





#67

sec-Butylbenzene

Concen: 5.737 ppbv

RT: 17.57 min Scan# 5125

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

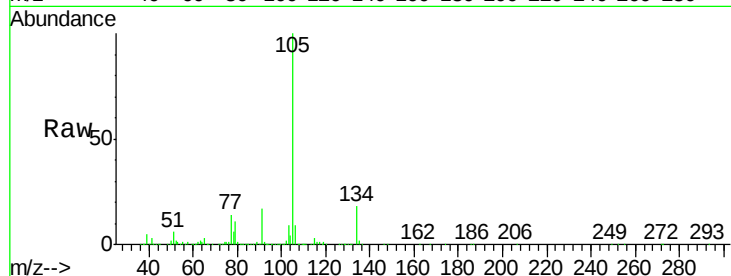
ICVVL062918

Tgt Ion:105 Resp: 7279650

Ion Ratio Lower Upper

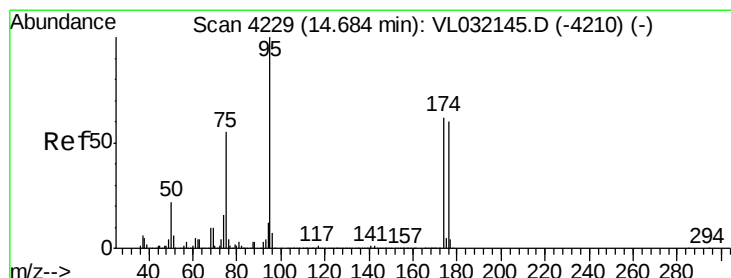
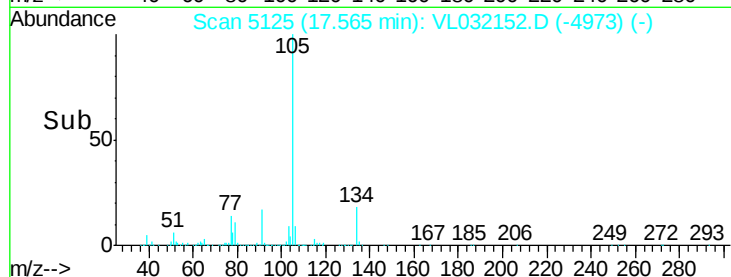
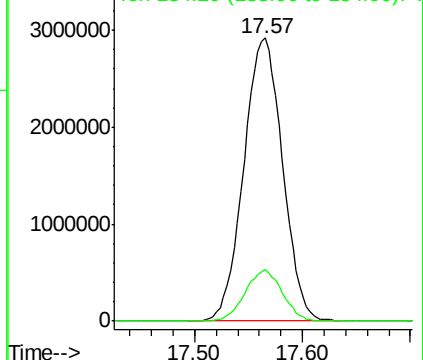
105 100

134 17.4 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.042 ppbv

RT: 14.68 min Scan# 4228

Delta R.T. -0.02 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

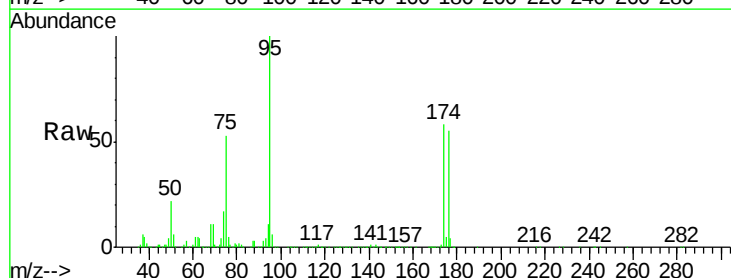
Tgt Ion: 95 Resp: 3060160

Ion Ratio Lower Upper

95 100

174 58.4 52.1 78.1

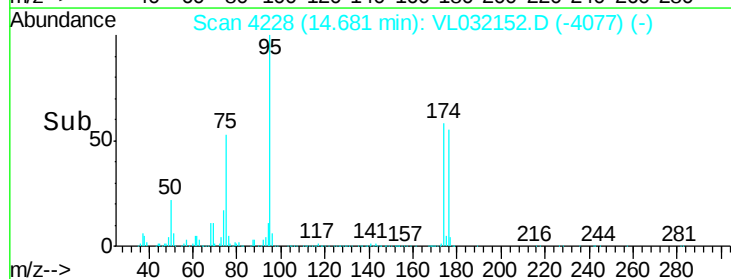
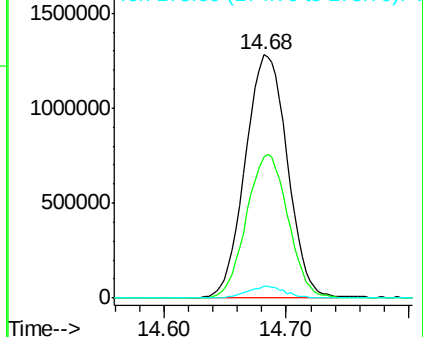
175 4.4 4.0 6.0

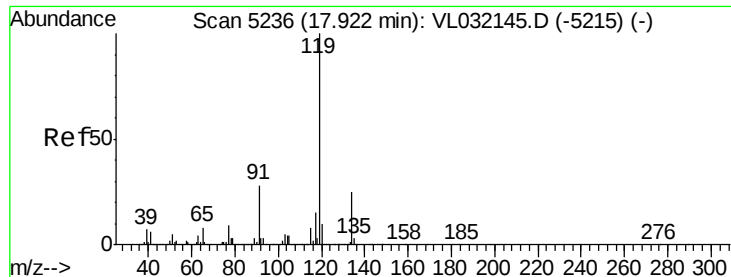


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

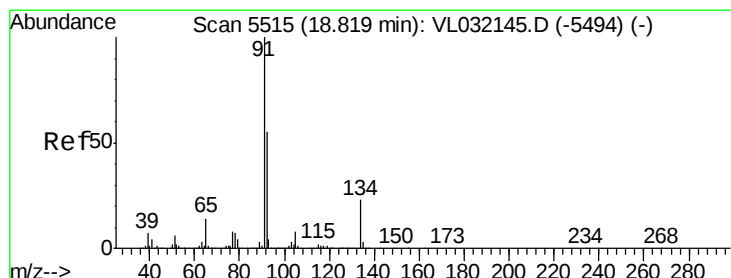
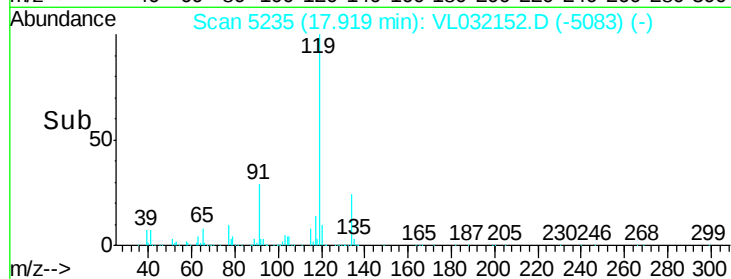
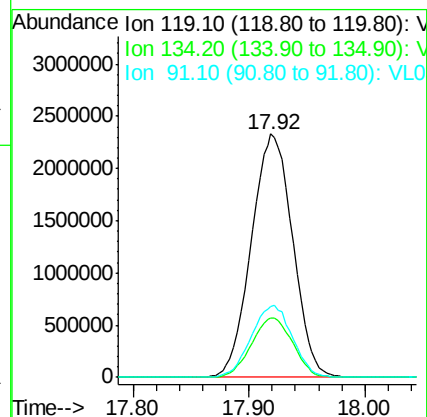
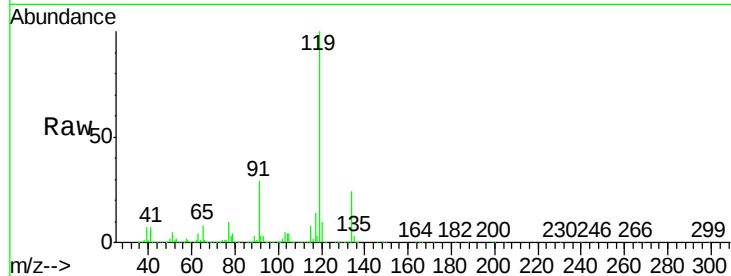




#69
 p-Isopropyltoluene
 Concen: 5.667 ppbv
 RT: 17.92 min Scan# 5235
 Delta R.T. -0.01 min
 Lab File: VL032152.D
 Acq: 29 Jun 2018 23:11

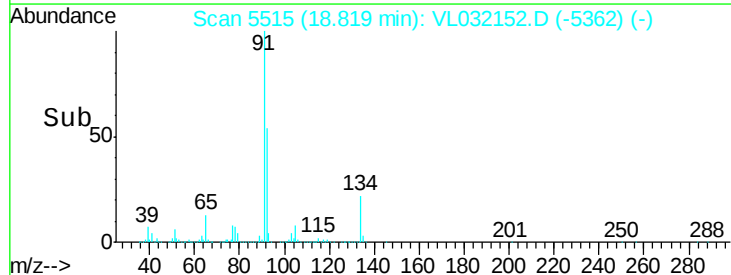
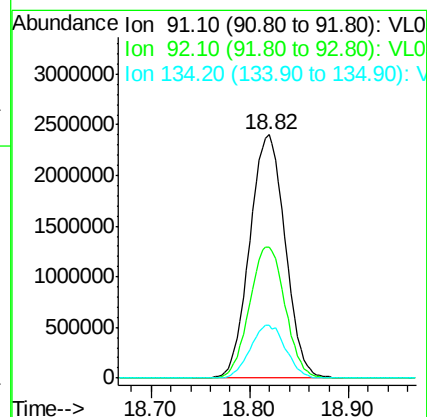
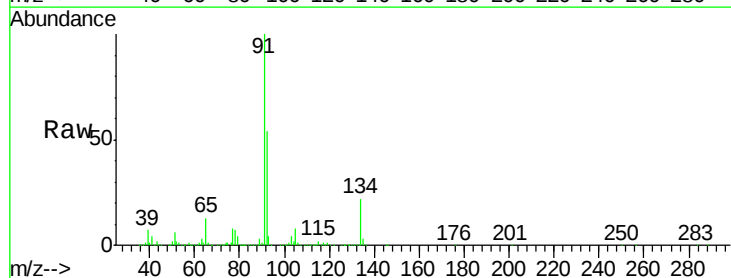
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL062918

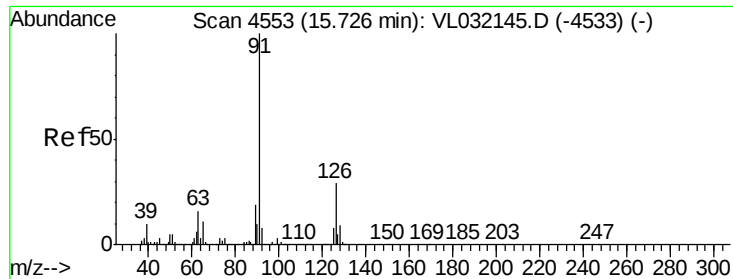
Tgt Ion: 119 Resp: 5767926
 Ion Ratio Lower Upper
 119 100
 134 24.5 20.7 31.1
 91 29.4 21.8 32.8



#70
 n-Butylbenzene
 Concen: 5.581 ppbv
 RT: 18.82 min Scan# 5515
 Delta R.T. -0.01 min
 Lab File: VL032152.D
 Acq: 29 Jun 2018 23:11

Tgt Ion: 91 Resp: 5932031
 Ion Ratio Lower Upper
 91 100
 92 54.3 43.7 65.5
 134 21.8 18.9 28.3





#71

2-Chlorotoluene

Concen: 6.340 ppbv

RT: 15.72 min Scan# 4552

Delta R.T. -0.02 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

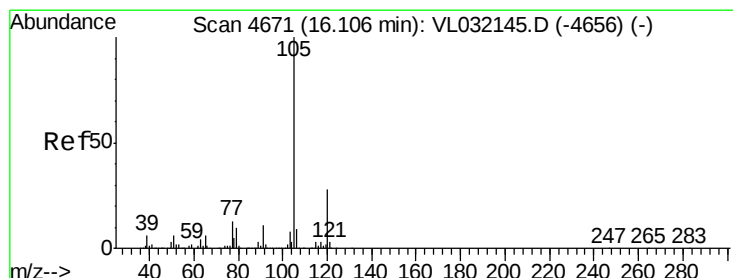
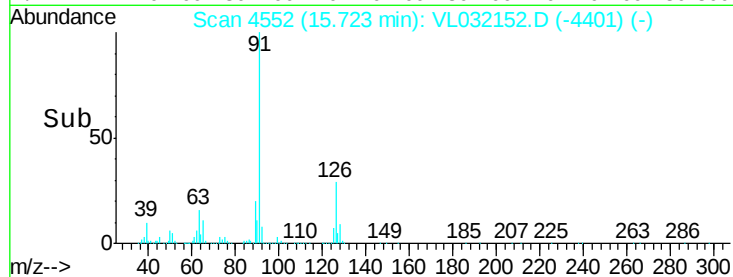
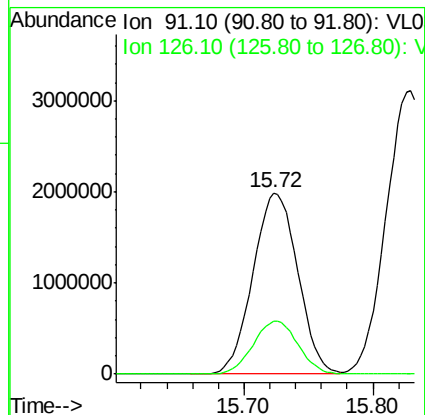
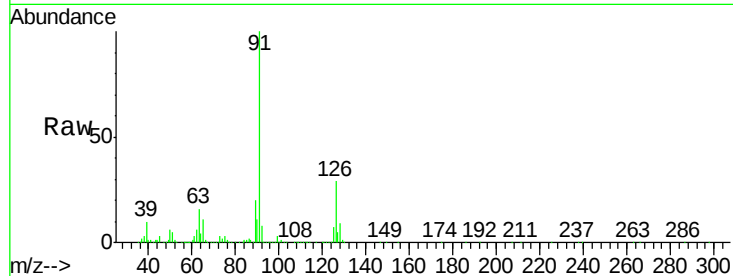
ICVVL062918

Tgt Ion: 91 Resp: 4814944

Ion Ratio Lower Upper

91 100

126 29.4 12.8 51.0



#72

4-Ethyltoluene

Concen: 6.338 ppbv

RT: 16.11 min Scan# 4671

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Tgt Ion: 105 Resp: 5250806

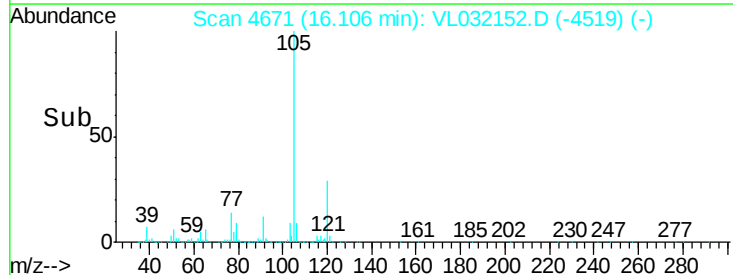
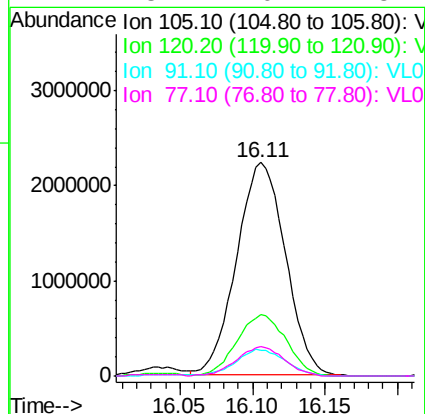
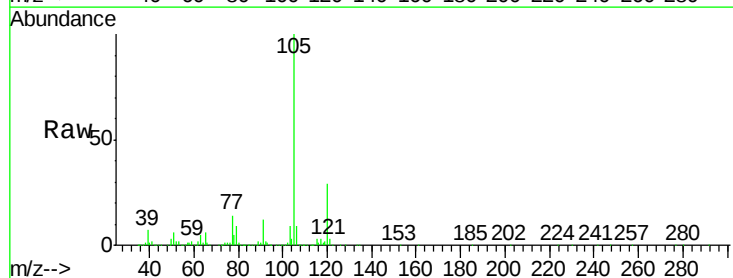
Ion Ratio Lower Upper

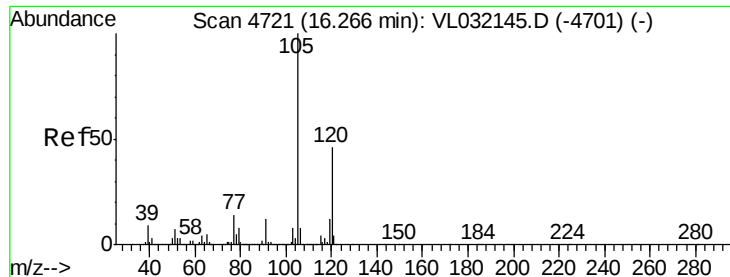
105 100

120 29.2 24.3 36.5

91 12.4 9.4 14.0

77 13.4 10.2 15.2

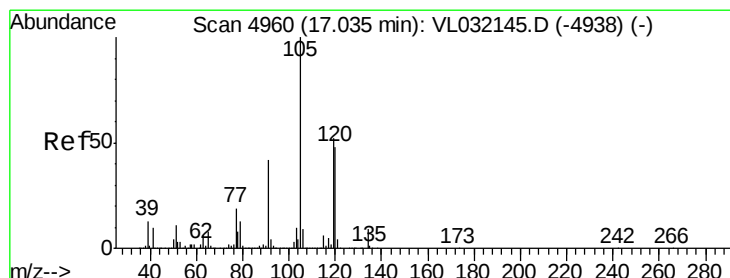
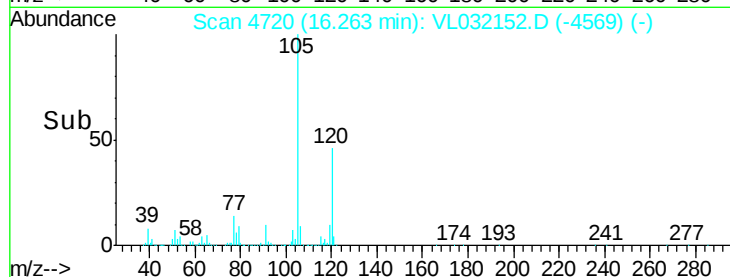
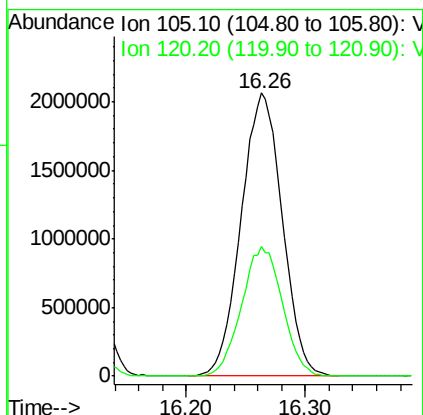
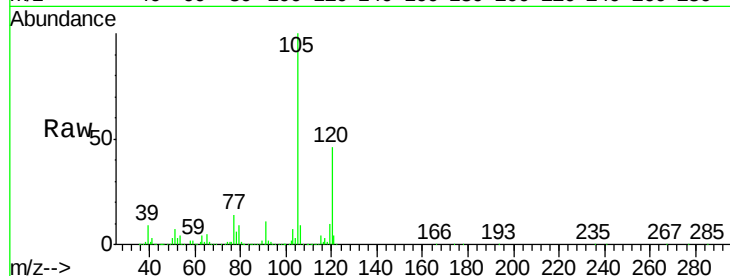




#73
 1,3,5-Trimethylbenzene
 Concen: 6.297 ppbv
 RT: 16.26 min Scan# 4720
 Delta R.T. -0.02 min
 Lab File: VL032152.D
 Acq: 29 Jun 2018 23:11

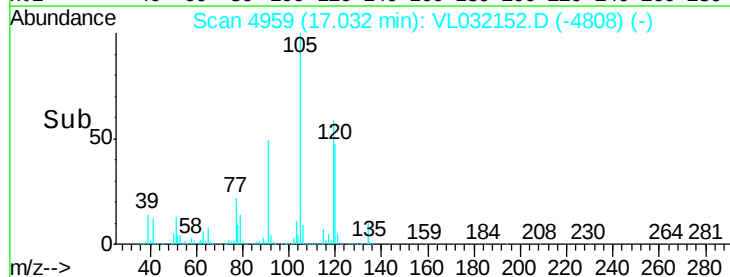
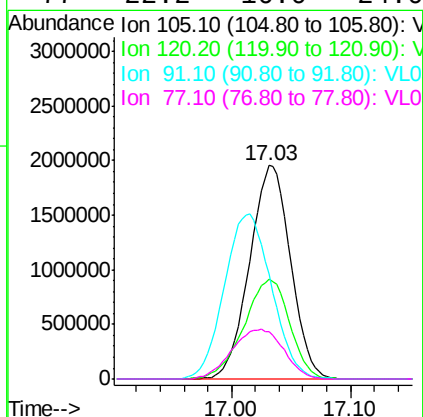
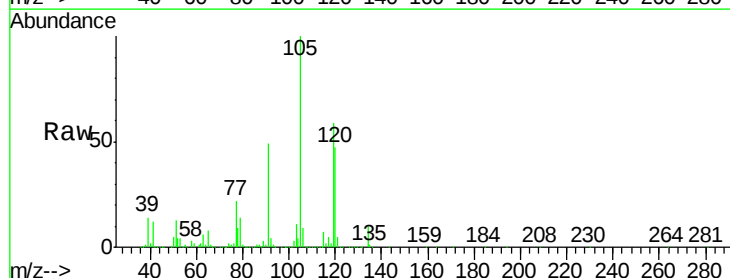
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL062918

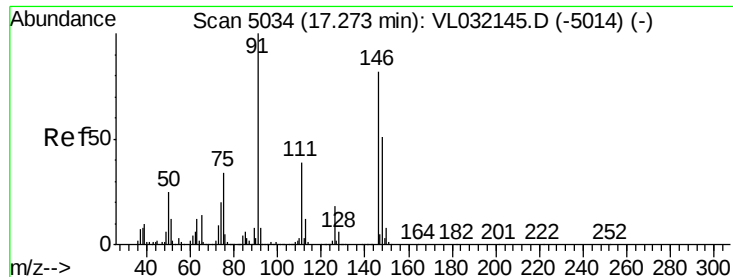
Tgt Ion:105 Resp: 4913988
 Ion Ratio Lower Upper
 105 100
 120 45.9 38.6 57.8



#74
 1,2,4-Trimethylbenzene
 Concen: 5.913 ppbv
 RT: 17.03 min Scan# 4959
 Delta R.T. -0.02 min
 Lab File: VL032152.D
 Acq: 29 Jun 2018 23:11

Tgt Ion:105 Resp: 4656778
 Ion Ratio Lower Upper
 105 100
 120 46.5 38.8 58.2
 91 48.9 33.6 50.4
 77 22.2 16.0 24.0





#75

1,3-Dichlorobenzene

Concen: 5.677 ppbv

RT: 17.27 min Scan# 5034

Delta R.T. -0.02 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL062918

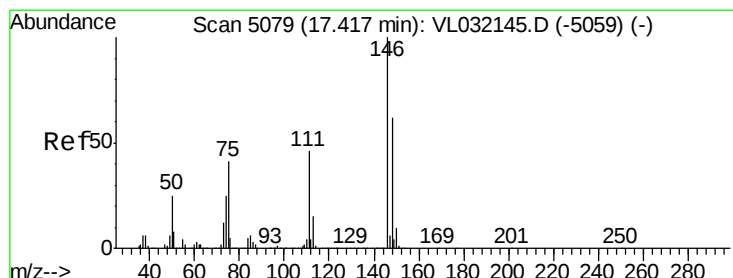
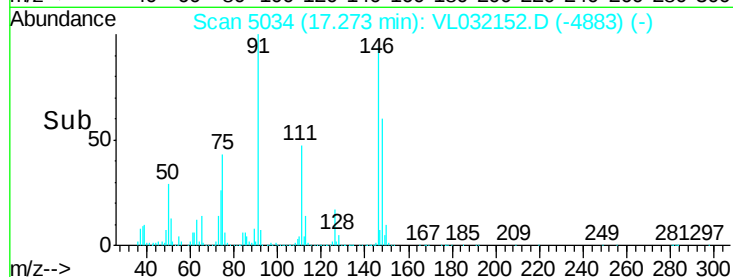
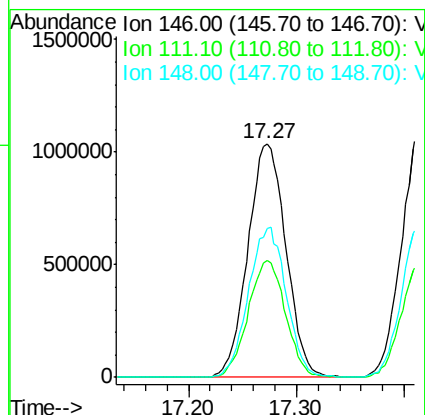
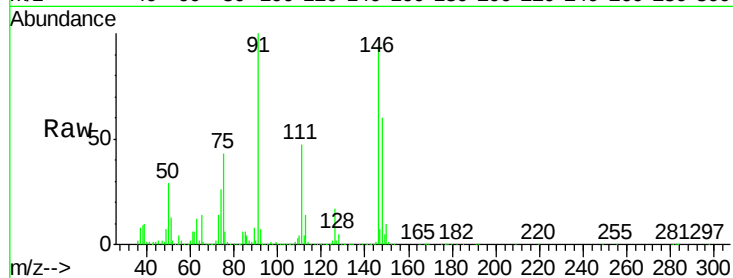
Tgt Ion:146 Resp: 2543006

Ion Ratio Lower Upper

146 100

111 49.2 22.9 68.8

148 64.0 31.7 95.1



#76

1,4-Dichlorobenzene

Concen: 5.630 ppbv

RT: 17.41 min Scan# 5078

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

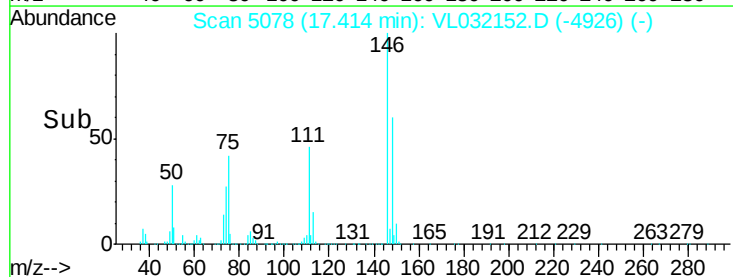
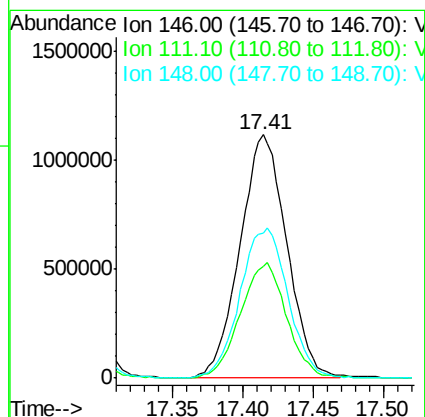
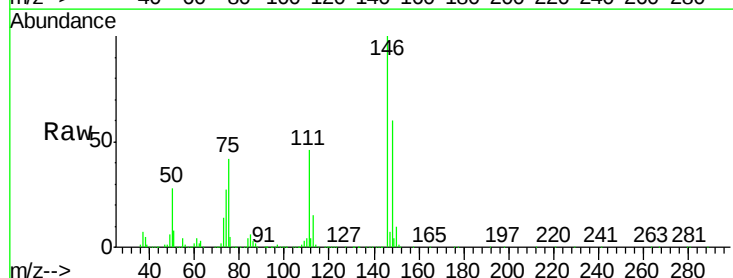
Tgt Ion:146 Resp: 2557315

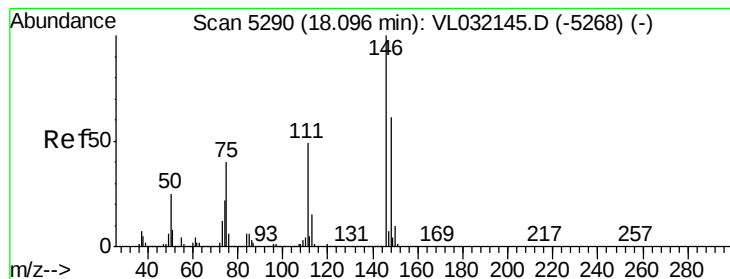
Ion Ratio Lower Upper

146 100

111 47.5 21.9 65.8

148 64.3 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 5.391 ppbv

RT: 18.10 min Scan# 5290

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL062918

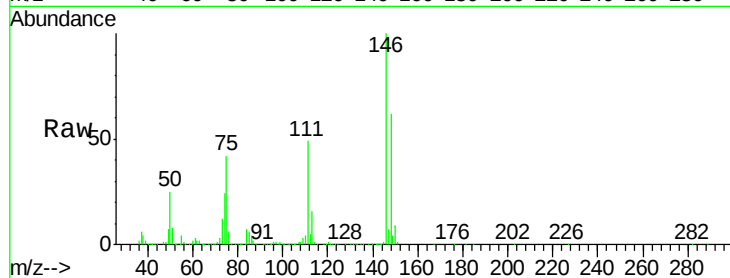
Tgt Ion:146 Resp: 2413540

Ion Ratio Lower Upper

146 100

111 50.4 23.4 70.3

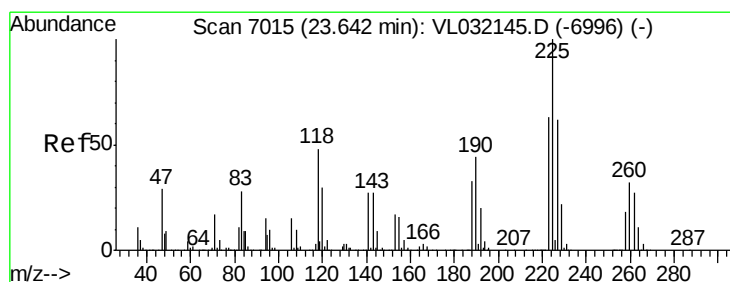
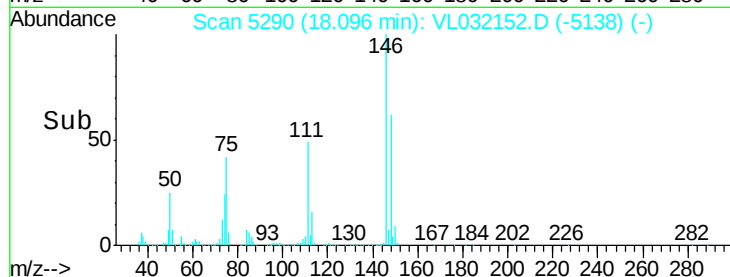
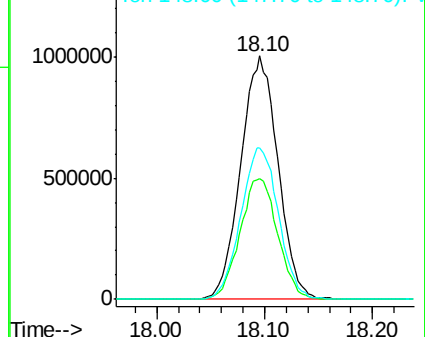
148 63.2 32.0 96.0



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: 3.897 ppbv

RT: 23.64 min Scan# 7014

Delta R.T. -0.02 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

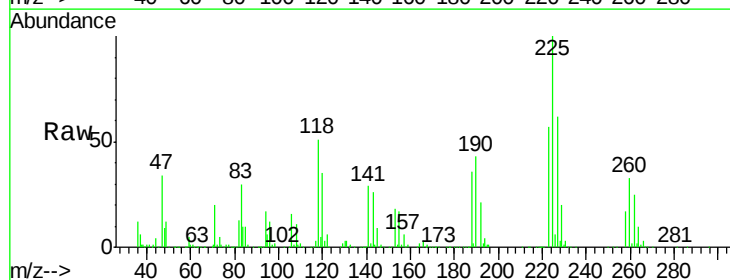
Tgt Ion:225 Resp: 607519

Ion Ratio Lower Upper

225 100

223 62.8 51.0 76.4

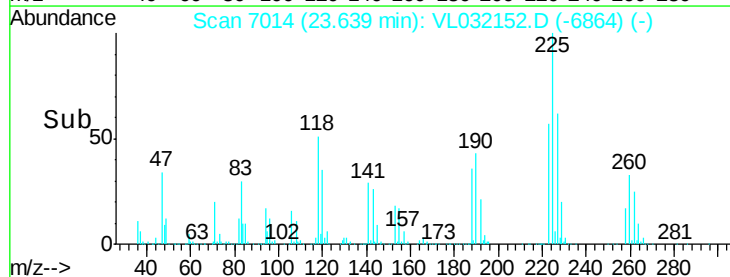
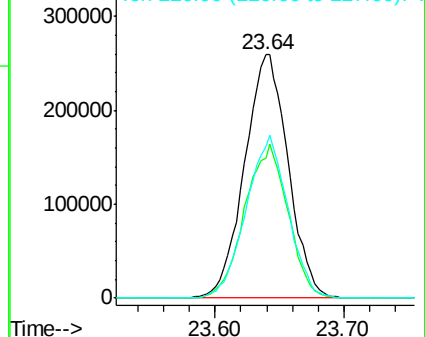
227 64.5 51.4 77.0

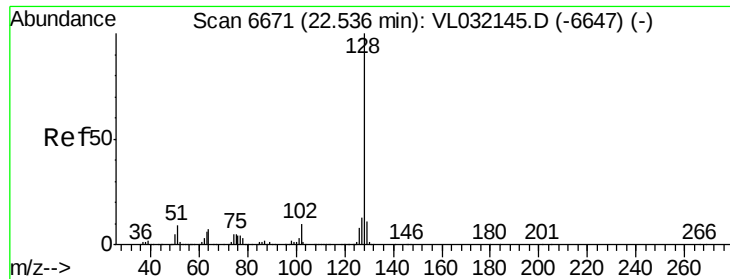


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 4.926 ppbv

RT: 22.53 min Scan# 6669

Delta R.T. -0.02 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL062918

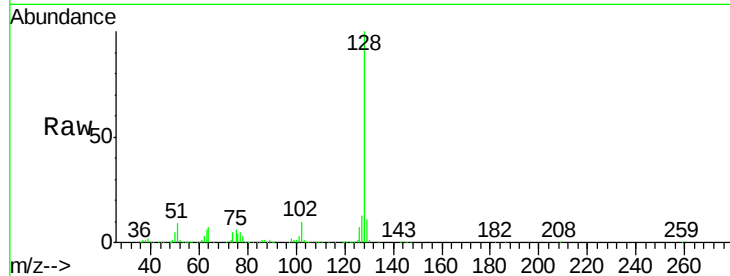
Tgt Ion:128 Resp: 3525924

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

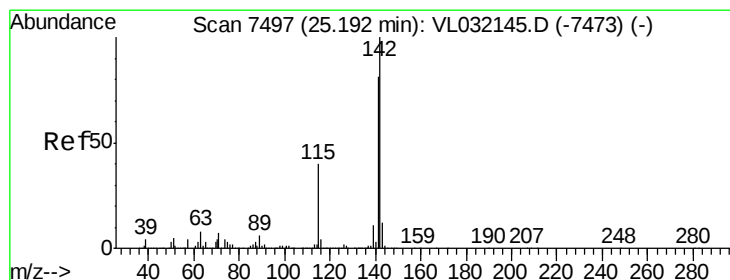
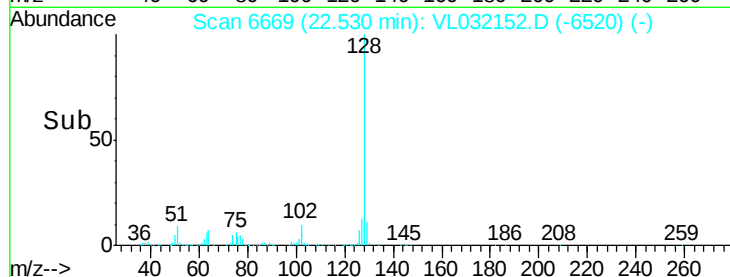
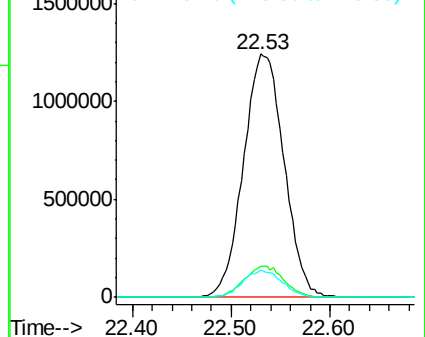
129 11.0 9.0 13.6



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 8.901 ppbv

RT: 25.19 min Scan# 7497

Delta R.T. -0.01 min

Lab File: VL032152.D

Acq: 29 Jun 2018 23:11

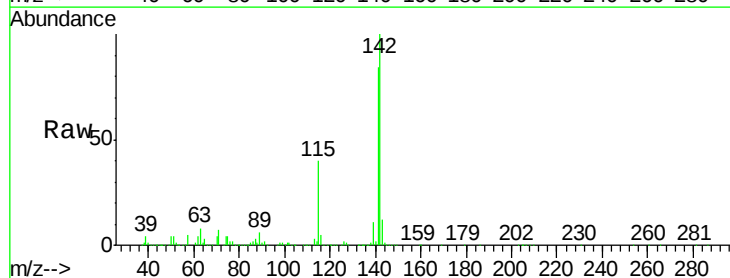
Tgt Ion:142 Resp: 2299861

Ion Ratio Lower Upper

142 100

141 83.9 65.8 98.6

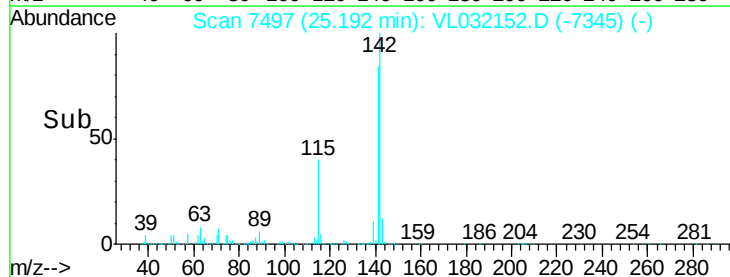
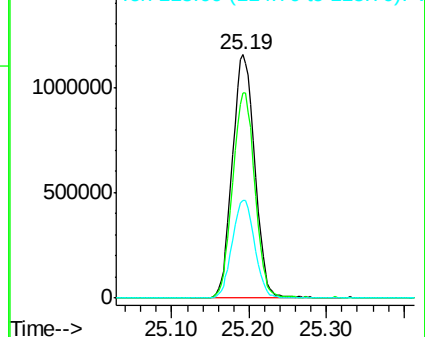
115 40.3 29.4 44.0

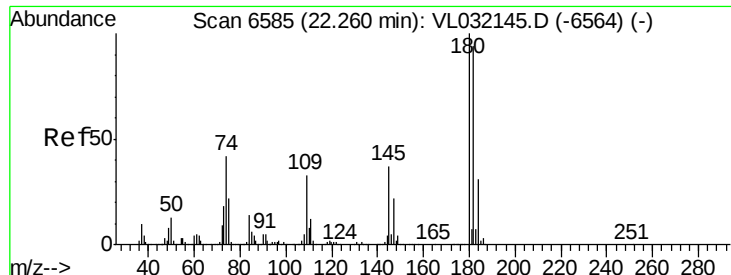


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

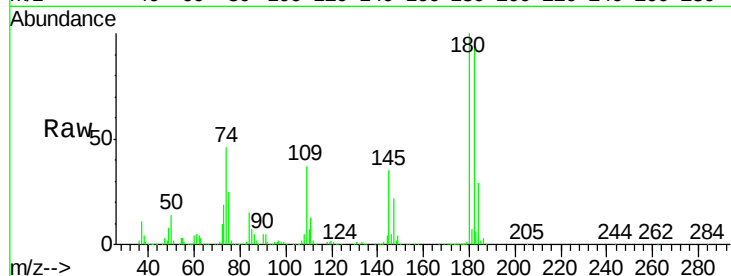




#81
 1,2,4-Trichlorobenzene
 Concen: 5.210 ppbv
 RT: 22.26 min Scan# 6584
 Delta R.T. -0.02 min
 Lab File: VL032152.D
 Acq: 29 Jun 2018 23:11

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL062918

Tgt Ion:180 Resp: 1684181
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.2 114.4
 184 30.3 24.4 36.6



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

