

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071218\
 Data File : VL032234.D
 Acq On : 12 Jul 2018 22:10
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: Jul 13 03:39:58 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 03:36:40 2018
 QLast Update : Fri Jul 13 03:36:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1760962	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	4140207	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	5240156	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.68	95	3887764	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.13	85	2293015	9.615	ppbv	99
3) Chlorodifluoromethane	3.06	51	2768277	12.524	ppbv	100
4) Chloromethane	3.23	50	1548419	12.950	ppbv	99
5) Vinyl Chloride	3.34	62	1462255	12.282	ppbv	98
6) Bromomethane	3.57	94	835894	12.298	ppbv	99
7) Chloroethane	3.66	64	537746	12.699	ppbv	95
8) Dichlorotetrafluoroethane	3.27	85	2983848	11.220	ppbv	98
9) Propene	3.09	41	1261122	12.446	ppbv	100
10) Heptane	8.34	43	3760726	12.897	ppbv	99
11) Trichlorofluoromethane	4.07	101	3098740	12.445	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1967163	11.919	ppbv	100
13) Ethanol	3.71	45	270995	8.978	ppbv	96
14) Bromoethene	3.85	108	946889	12.097	ppbv	98
15) Acetone	3.96	43	2536802	12.389	ppbv	100
16) 1,3-Butadiene	3.42	39	1298012	12.742	ppbv	99
17) tert-Butyl alcohol	4.42	59	1317788	10.529	ppbv	100
18) 1,1-Dichloroethene	4.42	96	979897	12.511	ppbv	98
19) Isopropyl Alcohol	4.09	45	1794674	10.854	ppbv	100
20) Methylene Chloride	4.48	84	895619	12.038	ppbv	98
21) Allyl Chloride	4.55	41	1756994	12.772	ppbv	99
22) trans-1,2-Dichloroethene	5.04	96	1037794	12.562	ppbv	99
23) Vinyl Acetate	5.23	43	5156899	13.844	ppbv	99
24) 1,1-Dichloroethane	5.17	63	3311091	13.739	ppbv	98
25) Ethyl Acetate	5.85	43	5625087	13.232	ppbv	100
26) Hexane	5.86	57	2523338	12.854	ppbv	98
27) Carbon Disulfide	4.69	76	2518933	13.184	ppbv	99
28) Methyl tert-Butyl Ether	5.19	73	4228266	12.366	ppbv	99
29) Chloroform	5.93	83	3820931	13.359	ppbv	100
30) Cyclohexane	7.34	84	2325067	12.394	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	2758219	13.991	ppbv	100
32) 1,1,1-Trichloroethane	6.71	97	3894167	12.805	ppbv	99
34) 2-Butanone	5.41	43	4141363	15.780	ppbv	99
35) Carbon Tetrachloride	7.22	117	3833838	13.384	ppbv	99
36) Benzene	7.10	78	5529878	13.579	ppbv	99
37) 1,2-Dichloroethane	6.50	62	3063925	15.027	ppbv	99
38) Trichloroethene	8.05	130	1806270	11.726	ppbv	99
39) 1,2-Dichloropropane	7.83	63	2299571	14.460	ppbv	98
40) 1,4-Dioxane	8.05	88	664041	11.146	ppbv #	26
41) Tetrahydrofuran	6.23	42	2412617	15.232	ppbv	99
42) Bromodichloromethane	8.01	83	4386151	14.128	ppbv	99
43) Methyl Methacrylate	8.23	69	2410861	14.616	ppbv	98

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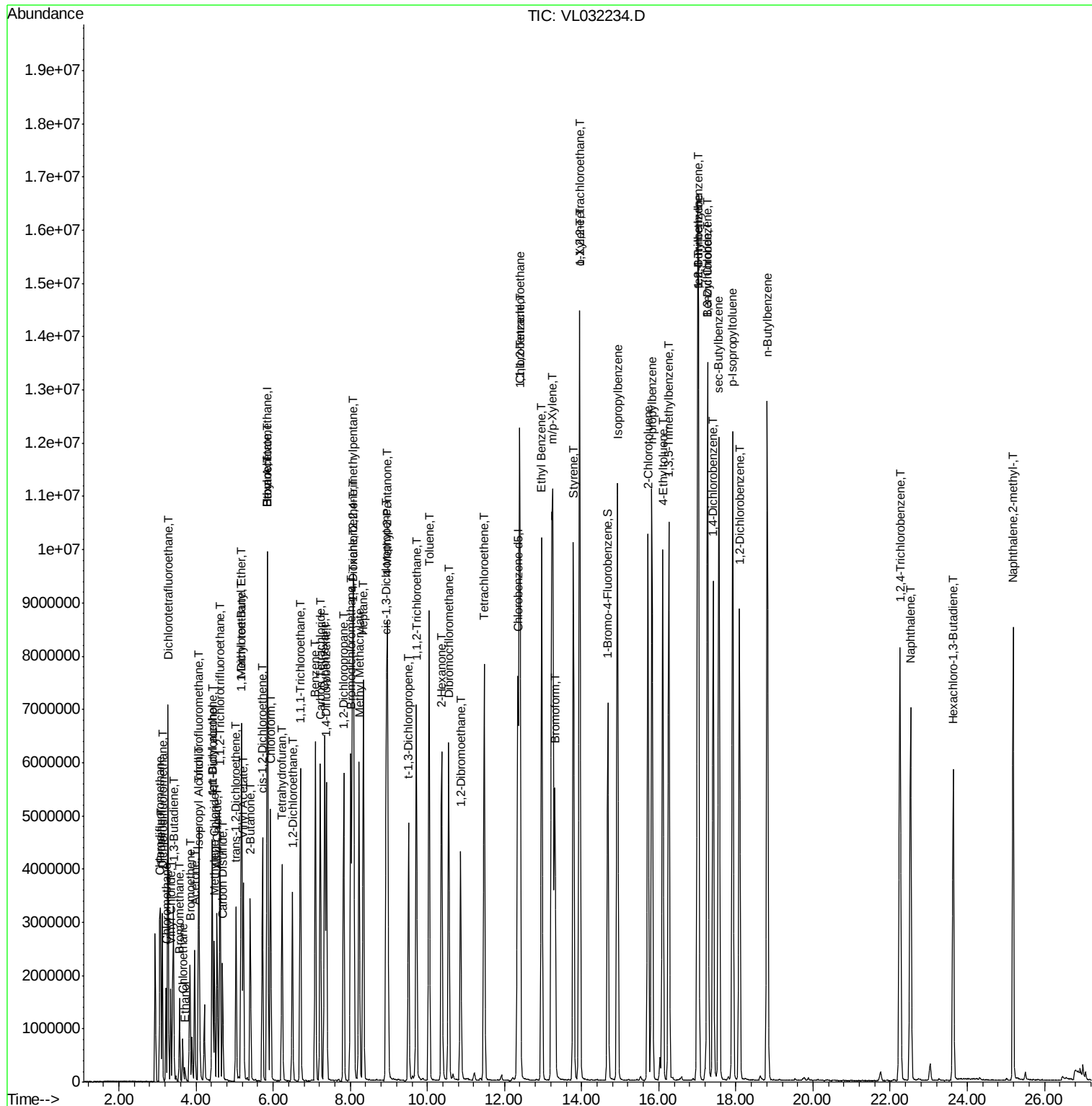
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	9342249	13.410	ppbv	99
45) t-1,3-Dichloropropene	9.51	75	3108939	15.078	ppbv	99
46) cis-1,3-Dichloropropene	8.93	75	4246781	17.102	ppbv	99
47) 1,1,2-Trichloroethane	9.71	97	2565068	15.610	ppbv	98
48) Dibromochloromethane	10.55	129	4195034	16.579	ppbv	100
49) Bromoform	13.31	173	3317159	15.740	ppbv	100
50) 4-Methyl-2-Pentanone	8.96	43	7331947	16.767	ppbv	100
51) 2-Hexanone	10.36	43	6328722	17.462	ppbv #	100
52) Tetrachloroethene	11.48	164	1942169	13.396	ppbv	97
53) Toluene	10.04	91	7386820	15.379	ppbv	100
54) 1,2-Dibromoethane	10.86	107	3984387	16.178	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.38	131	2759623	11.823	ppbv	89
57) Chlorobenzene	12.40	112	5234871	11.588	ppbv	98
58) Ethyl Benzene	12.96	91	9932694	11.792	ppbv	99
59) m/p-Xylene	13.25	91	8484742	12.549	ppbv #	41
60) o-Xylene	13.95	91	7549169	11.221	ppbv	99
61) Styrene	13.79	104	6431414	11.803	ppbv	100
62) Isopropylbenzene	14.93	105	10622673	10.351	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.94	83	5569045	10.615	ppbv	100
64) n-propylbenzene	15.83	120	2828970	10.630	ppbv	96
65) tert-Butylbenzene	17.01	119	8529142	9.473	ppbv	100
66) Benzyl Chloride	17.26	91	5915752	10.845	ppbv	100
67) sec-Butylbenzene	17.56	105	12830291	9.706	ppbv	99
69) p-Isopropyltoluene	17.92	119	10333905	9.795	ppbv	99
70) n-Butylbenzene	18.81	91	11491146	10.327	ppbv	99
71) 2-Chlorotoluene	15.72	91	8714066	10.918	ppbv	100
72) 4-Ethyltoluene	16.10	105	9169641	10.609	ppbv	100
73) 1,3,5-Trimethylbenzene	16.26	105	8676872	10.656	ppbv	99
74) 1,2,4-Trimethylbenzene	17.03	105	8221332	9.997	ppbv	96
75) 1,3-Dichlorobenzene	17.27	146	4618848	9.926	ppbv	100
76) 1,4-Dichlorobenzene	17.41	146	4855775	10.328	ppbv	99
77) 1,2-Dichlorobenzene	18.09	146	4738888	10.228	ppbv	100
78) Hexachloro-1,3-Butadiene	23.64	225	1458416	9.222	ppbv	99
79) Naphthalene	22.53	128	8983298	12.229	ppbv	98
80) Naphthalene,2-methyl-	25.19	142	4679788	18.025	ppbv	99
81) 1,2,4-Trichlorobenzene	22.25	180	3943714	11.940	ppbv	100

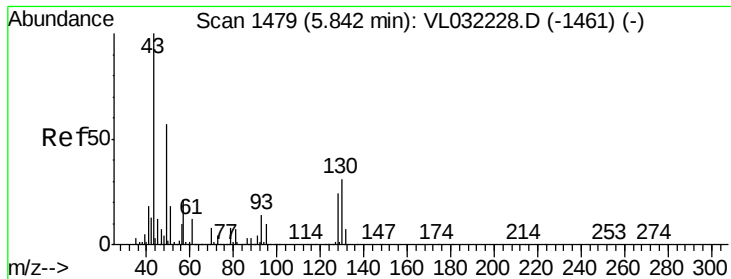
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_L\DATA\VL071218\
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Misc : 400ml/MSV0A_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 13 03:36:40 2018
QLast Update : Fri Jul 13 03:36:40 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.85 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

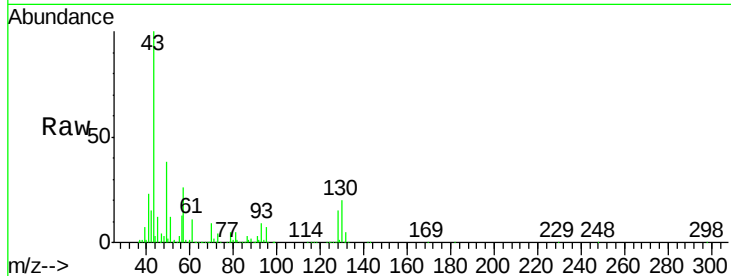
Tgt Ion: 49 Resp: 1760962

Ion Ratio Lower Upper

49 100

128 40.5 20.9 62.8

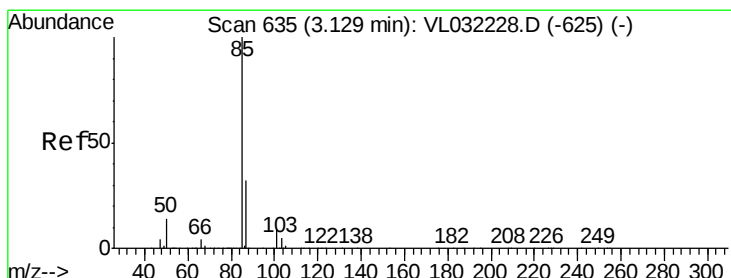
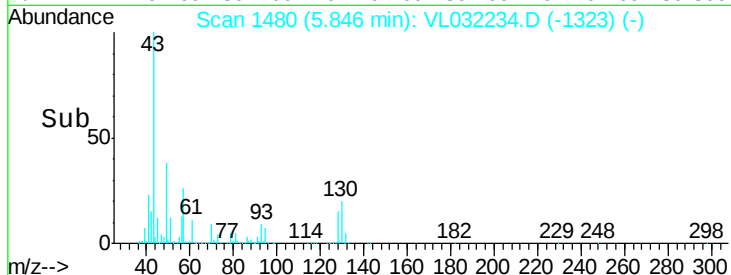
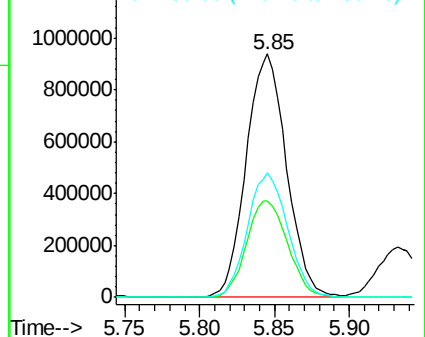
130 51.3 27.0 81.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.615 ppbv

RT: 3.13 min Scan# 635

Delta R.T. 0.00 min

Lab File: VL032234.D

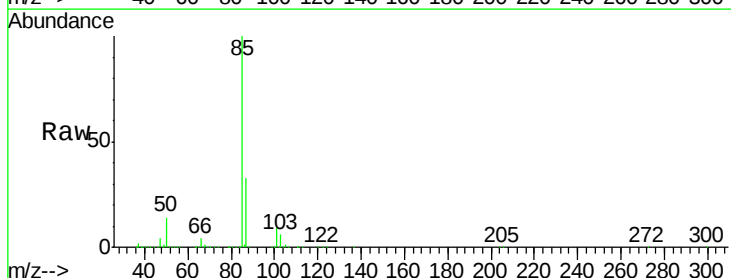
Acq: 12 Jul 2018 22:10

Tgt Ion: 85 Resp: 2293015

Ion Ratio Lower Upper

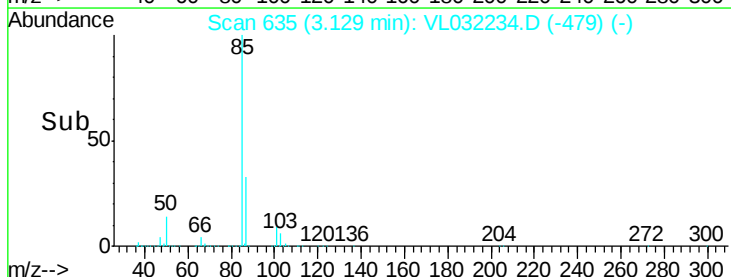
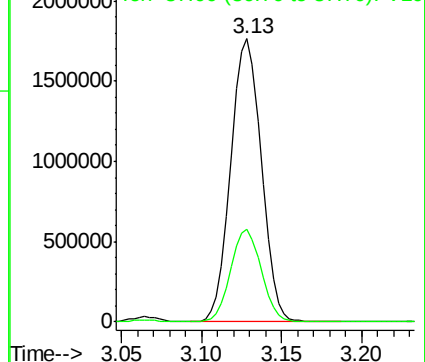
85 100

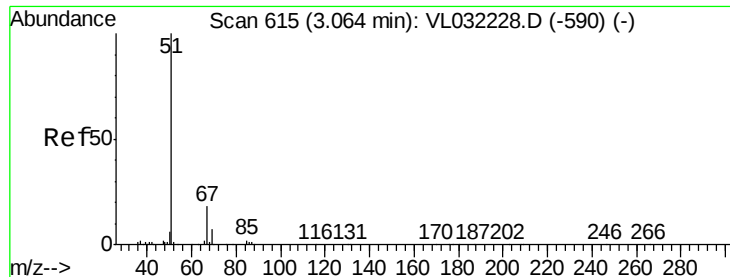
87 32.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 12.524 ppbv

RT: 3.06 min Scan# 615

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

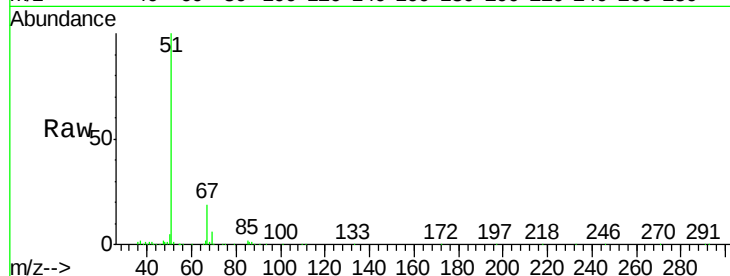
VSTDIC015

Tgt Ion: 51 Resp: 2768277

Ion Ratio Lower Upper

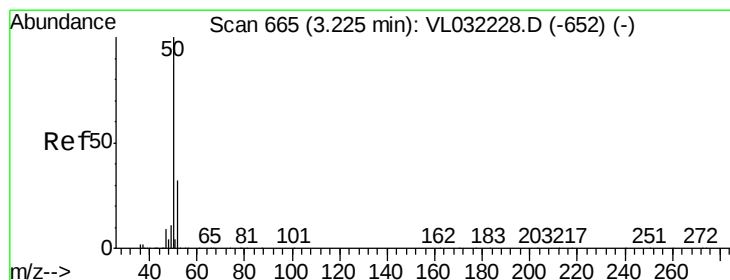
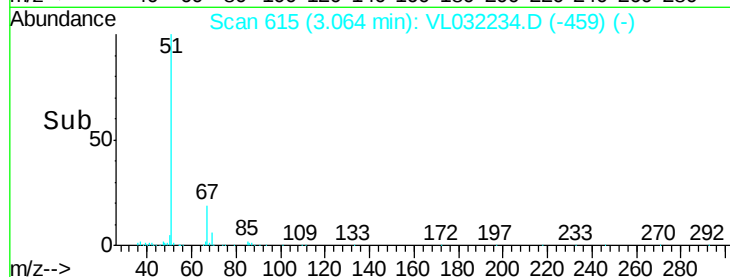
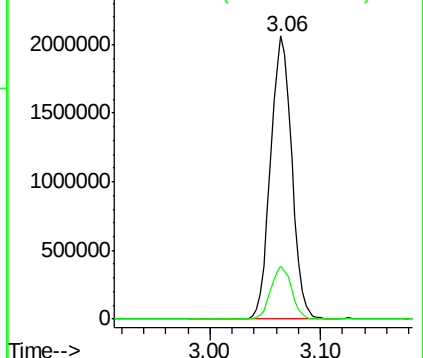
51 100

67 18.5 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: 12.950 ppbv

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VL032234.D

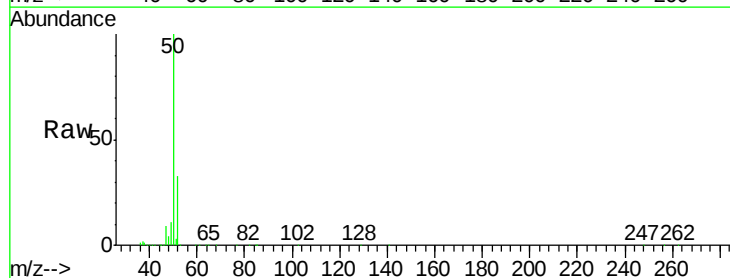
Acq: 12 Jul 2018 22:10

Tgt Ion: 50 Resp: 1548419

Ion Ratio Lower Upper

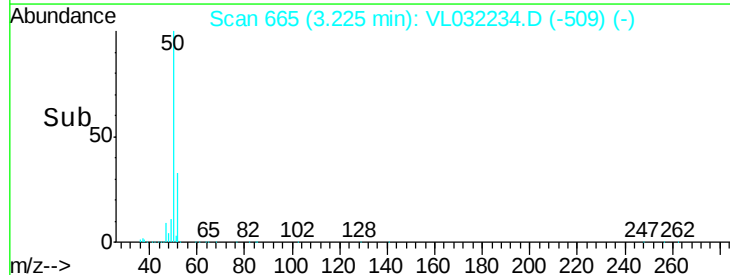
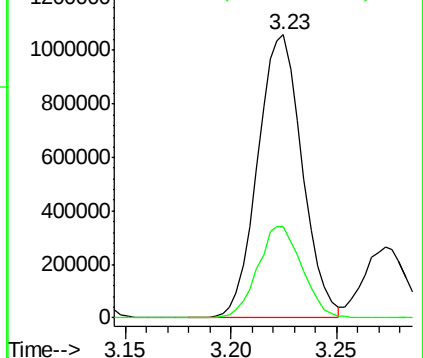
50 100

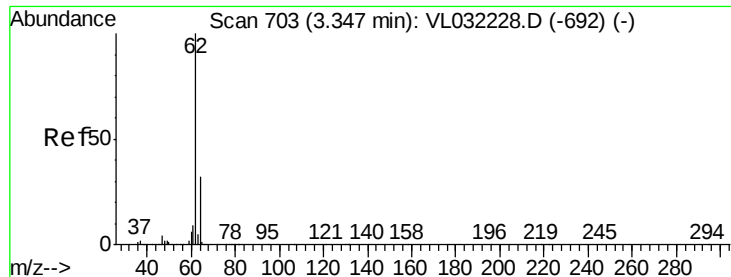
52 32.6 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 12.282 ppbv

RT: 3.34 min Scan# 702

Delta R.T. -0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

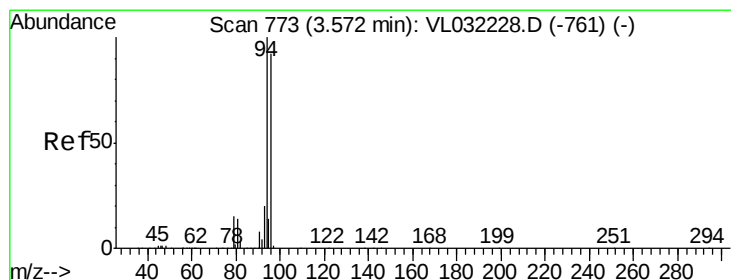
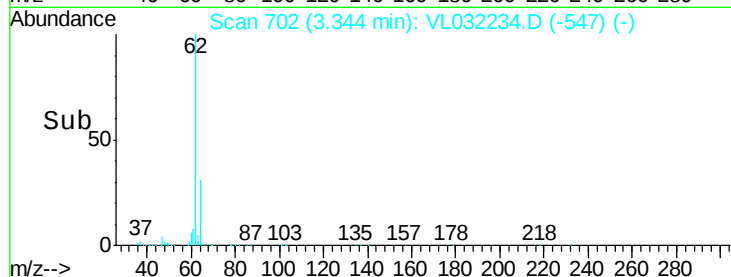
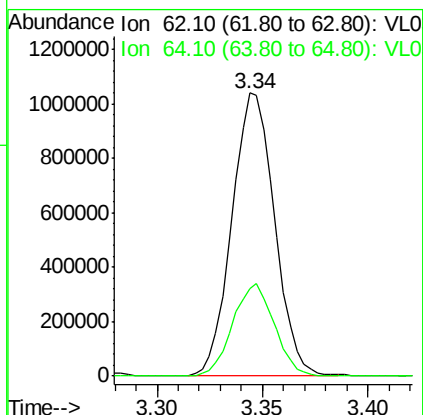
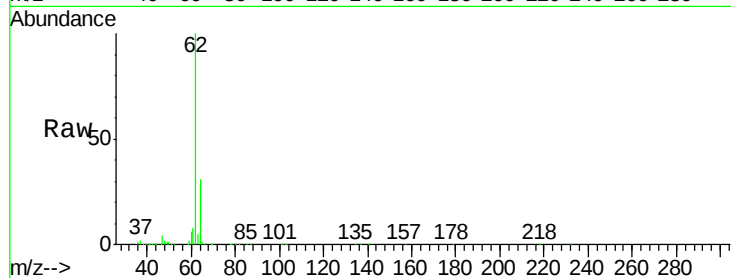
VSTDIC015

Tgt Ion: 62 Resp: 1462255

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.6



#6

Bromomethane

Concen: 12.298 ppbv

RT: 3.57 min Scan# 773

Delta R.T. 0.00 min

Lab File: VL032234.D

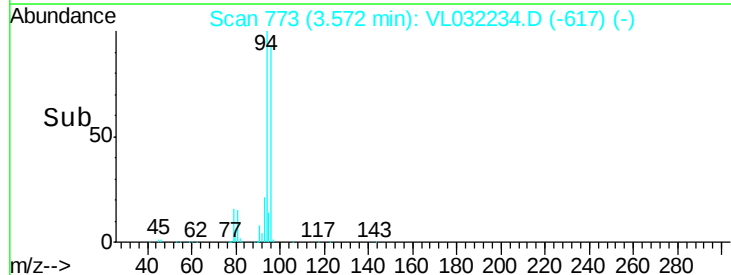
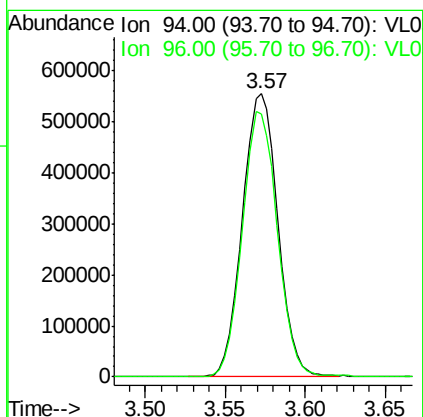
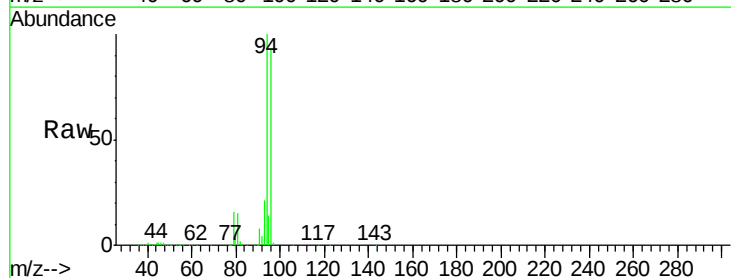
Acq: 12 Jul 2018 22:10

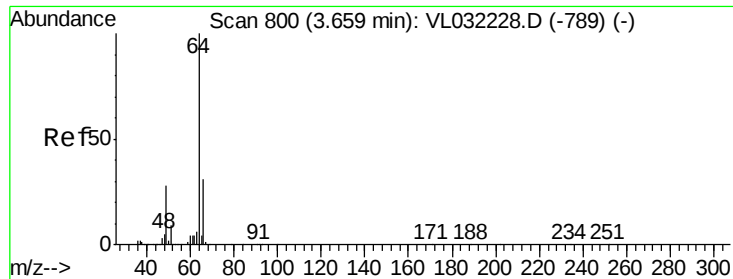
Tgt Ion: 94 Resp: 835894

Ion Ratio Lower Upper

94 100

96 92.7 73.5 110.3





#7

Chloroethane

Concen: 12.699 ppbv

RT: 3.66 min Scan# 800

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

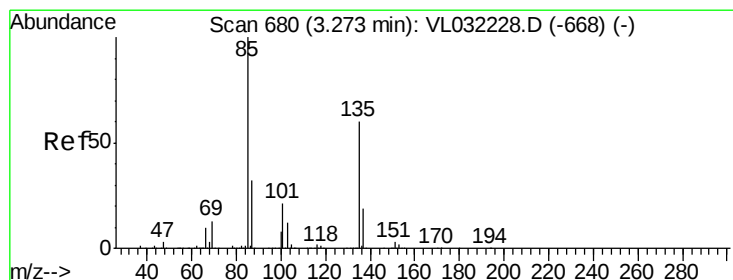
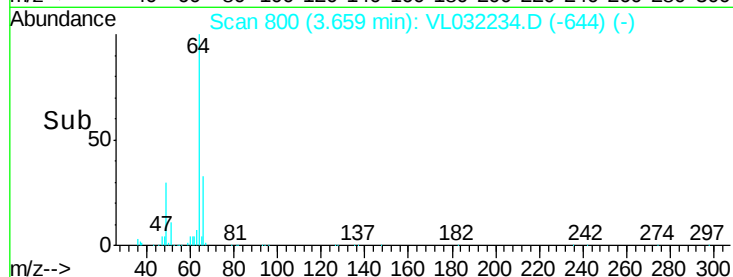
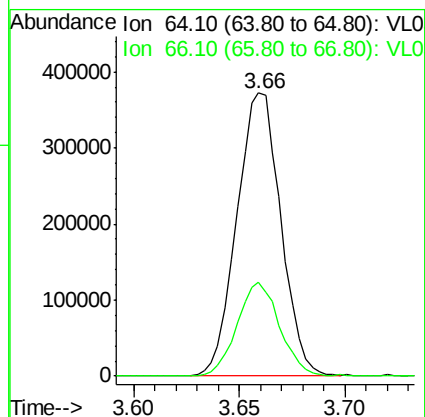
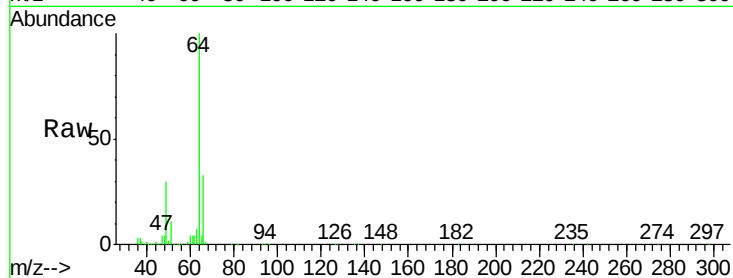
VSTDIC015

Tgt Ion: 64 Resp: 537746

Ion Ratio Lower Upper

64 100

66 33.0 24.4 36.6



#8

Dichlorotetrafluoroethane

Concen: 11.220 ppbv

RT: 3.27 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL032234.D

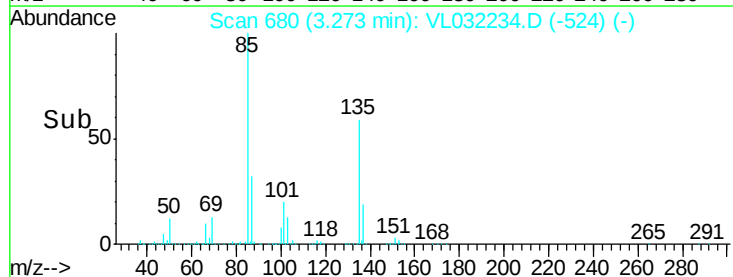
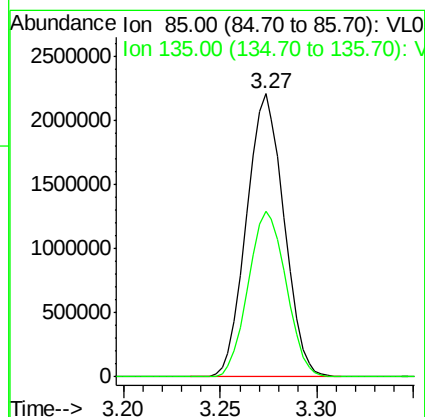
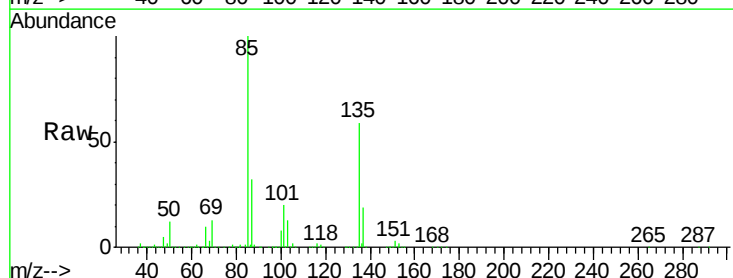
Acq: 12 Jul 2018 22:10

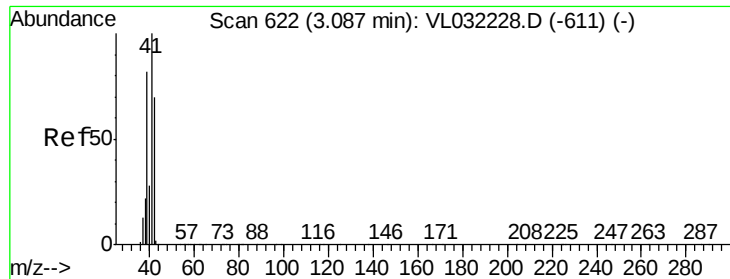
Tgt Ion: 85 Resp: 2983848

Ion Ratio Lower Upper

85 100

135 59.4 48.6 72.8





#9

Propene

Concen: 12.446 ppbv

RT: 3.09 min Scan# 622

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

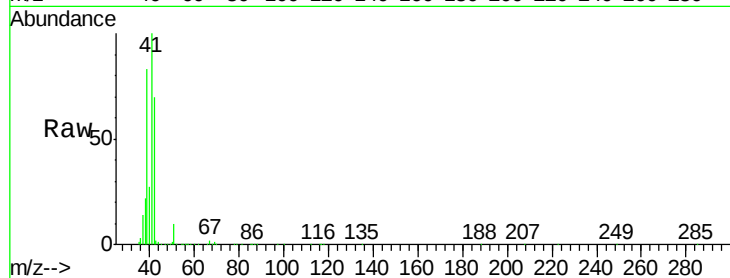
VSTDIC015

Tgt Ion: 41 Resp: 1261122

Ion Ratio Lower Upper

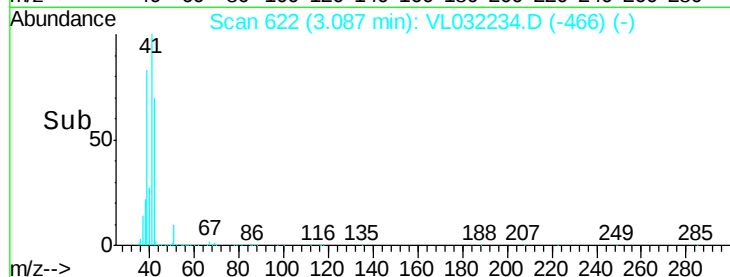
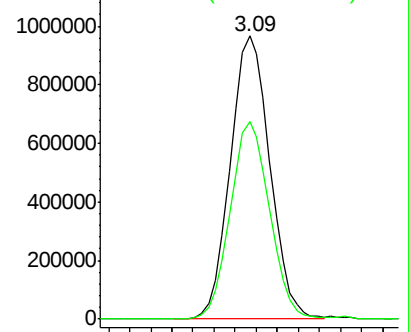
41 100

42 70.0 56.2 84.4

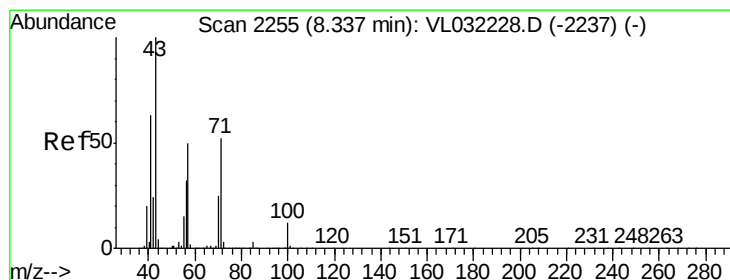


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



Time-->



#10

Heptane

Concen: 12.897 ppbv

RT: 8.34 min Scan# 2256

Delta R.T. 0.00 min

Lab File: VL032234.D

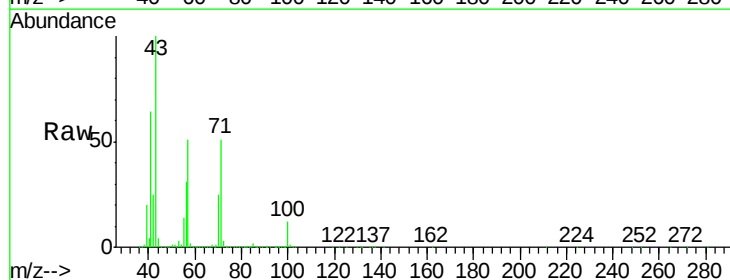
Acq: 12 Jul 2018 22:10

Tgt Ion: 43 Resp: 3760726

Ion Ratio Lower Upper

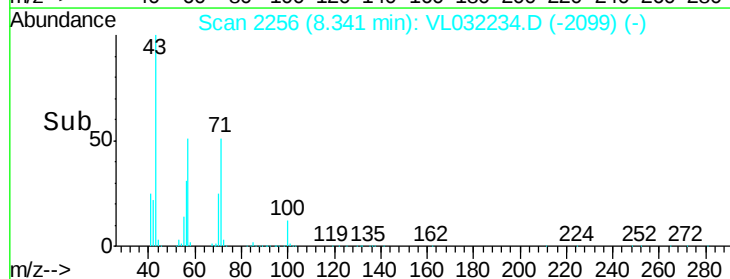
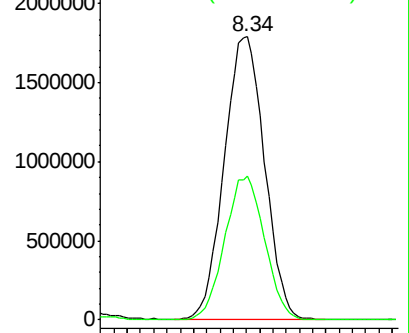
43 100

57 50.3 40.7 61.1

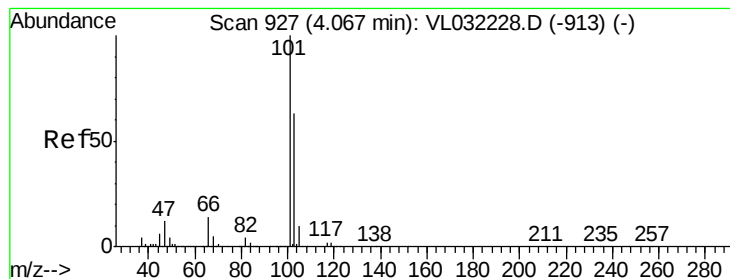


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



Time-->



#11

Trichlorofluoromethane

Concen: 12.445 ppbv

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

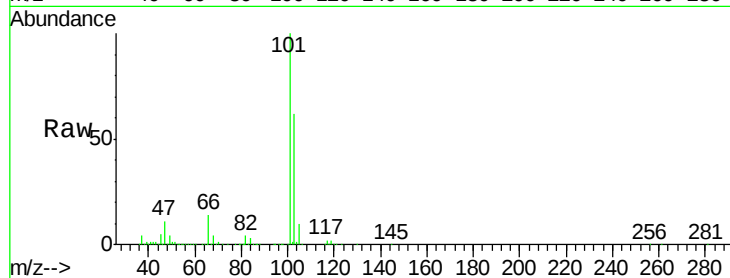
VSTDIC015

Tgt Ion:101 Resp: 3098740

Ion Ratio Lower Upper

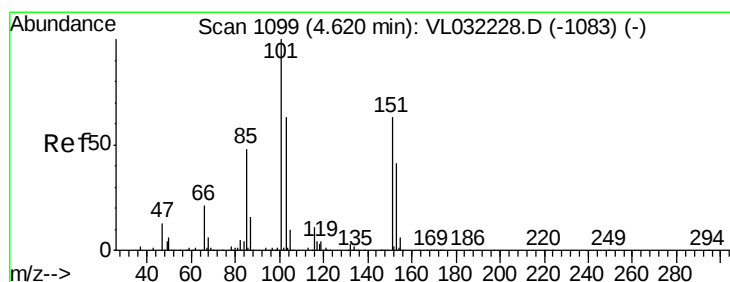
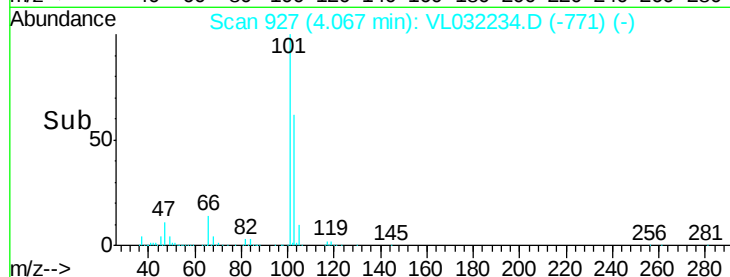
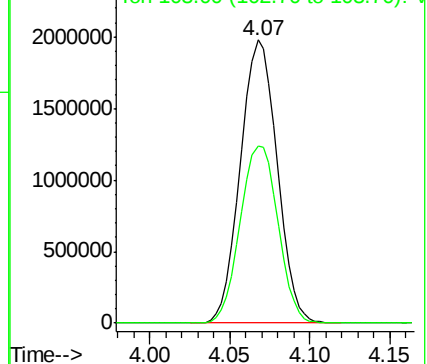
101 100

103 62.4 50.2 75.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.919 ppbv

RT: 4.62 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VL032234.D

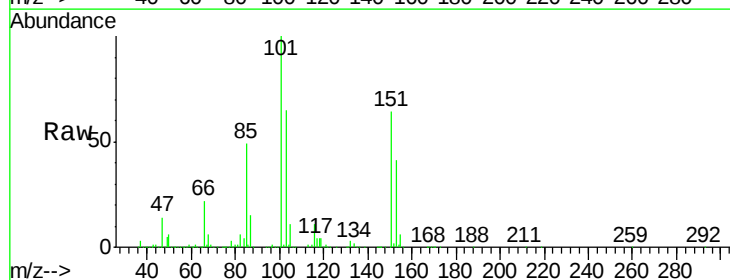
Acq: 12 Jul 2018 22:10

Tgt Ion:101 Resp: 1967163

Ion Ratio Lower Upper

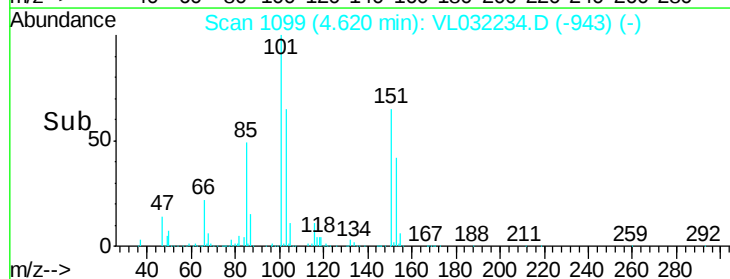
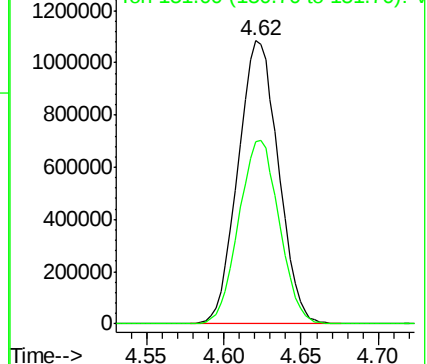
101 100

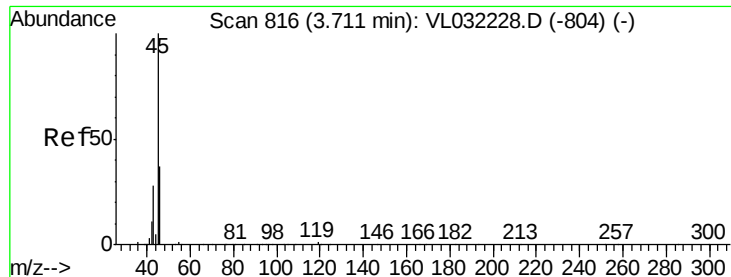
151 65.1 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.978 ppbv

RT: 3.71 min Scan# 817

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

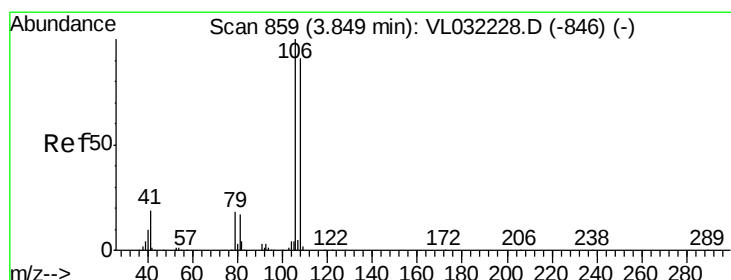
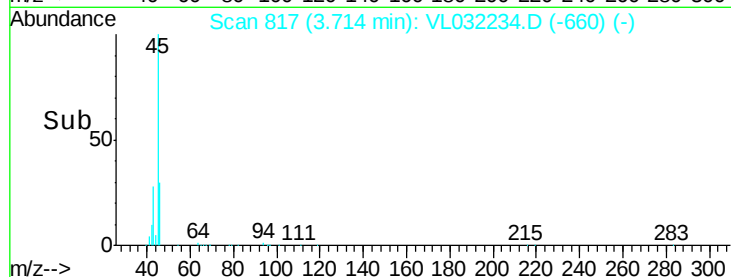
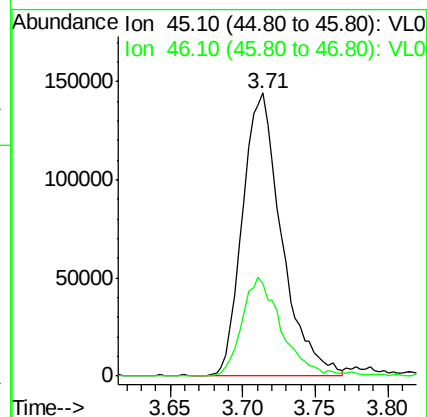
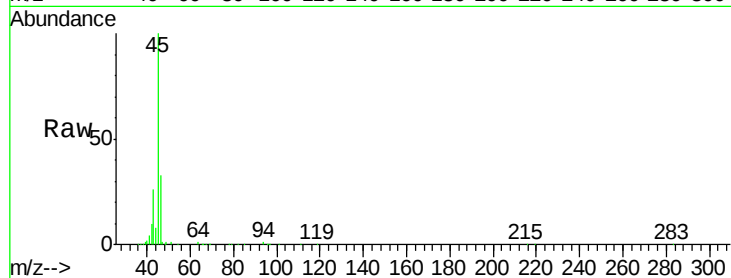
VSTDIC015

Tgt Ion: 45 Resp: 270995

Ion Ratio Lower Upper

45 100

46 36.2 15.5 61.9



#14

Bromoethene

Concen: 12.097 ppbv

RT: 3.85 min Scan# 859

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

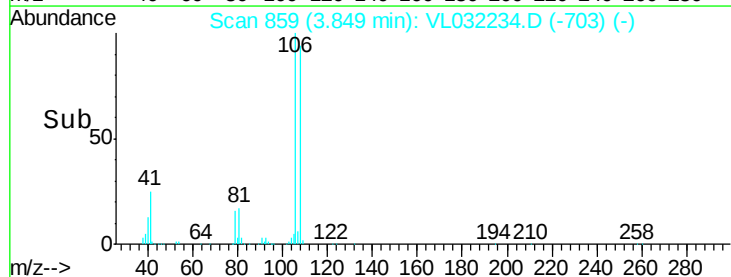
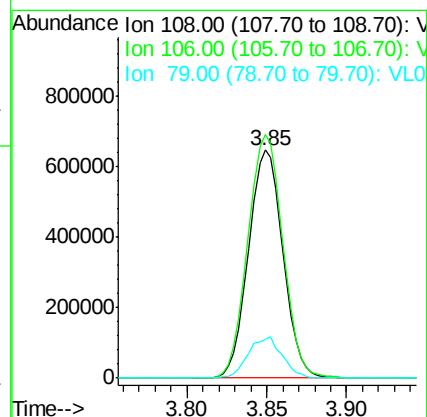
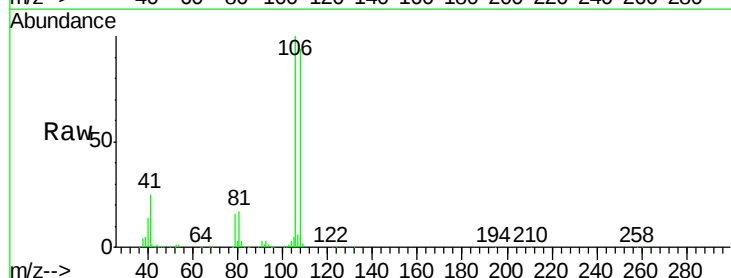
Tgt Ion: 108 Resp: 946889

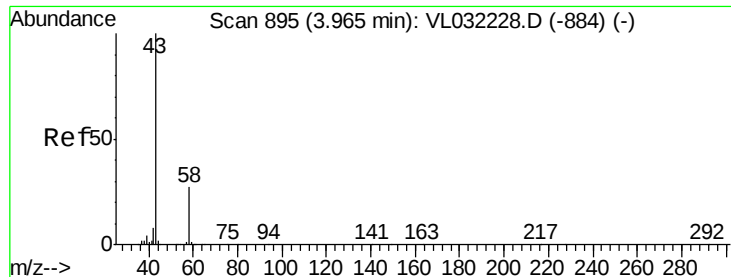
Ion Ratio Lower Upper

108 100

106 109.0 85.5 128.3

79 17.9 14.2 21.4





#15

Acetone

Concen: 12.389 ppbv

RT: 3.96 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

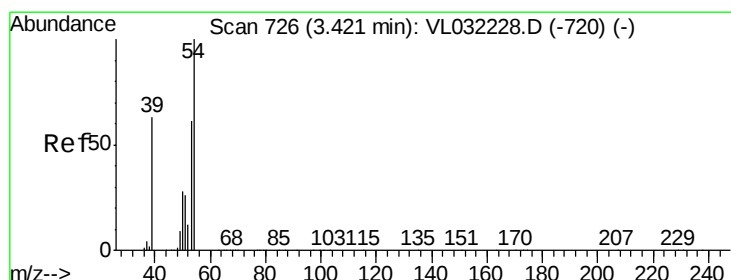
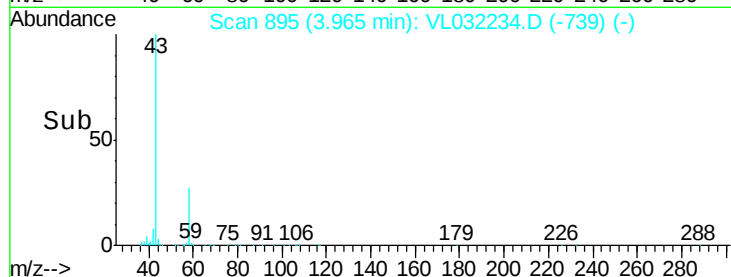
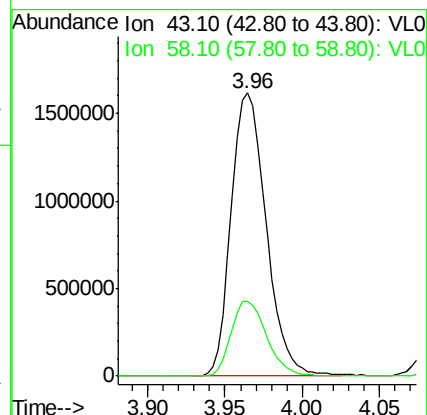
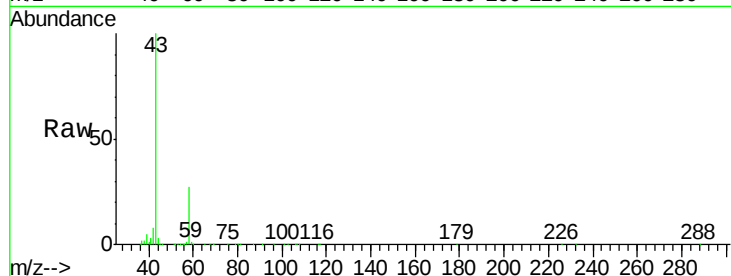
VSTDIC015

Tgt Ion: 43 Resp: 2536802

Ion Ratio Lower Upper

43 100

58 27.0 21.5 32.3



#16

1,3-Butadiene

Concen: 12.742 ppbv

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VL032234.D

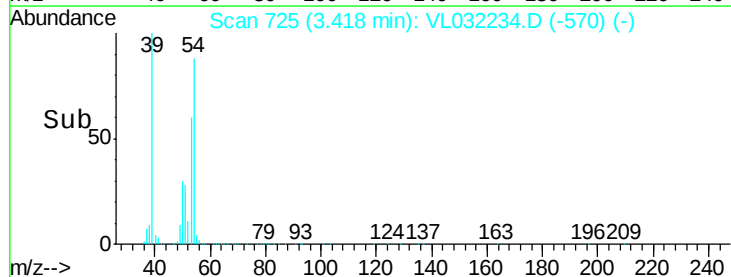
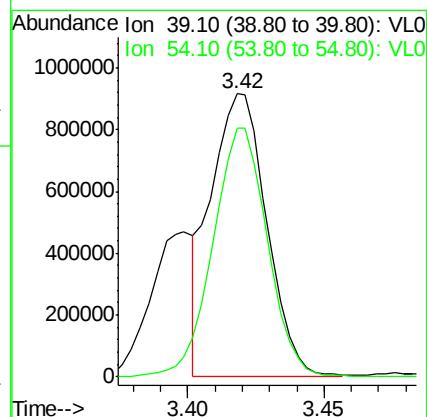
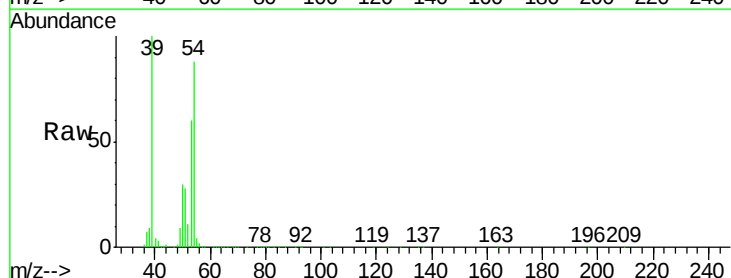
Acq: 12 Jul 2018 22:10

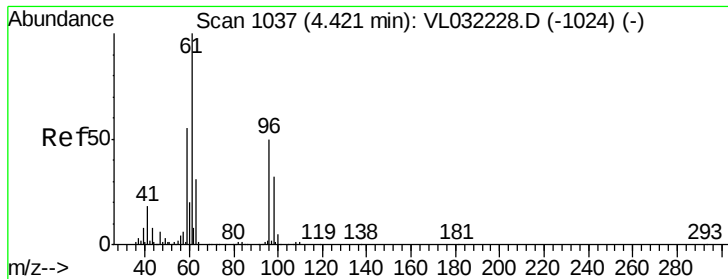
Tgt Ion: 39 Resp: 1298012

Ion Ratio Lower Upper

39 100

54 86.7 70.0 105.0

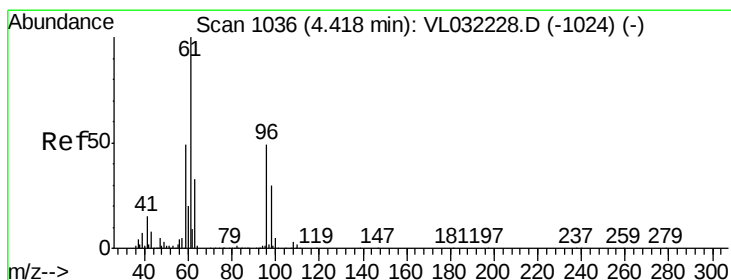
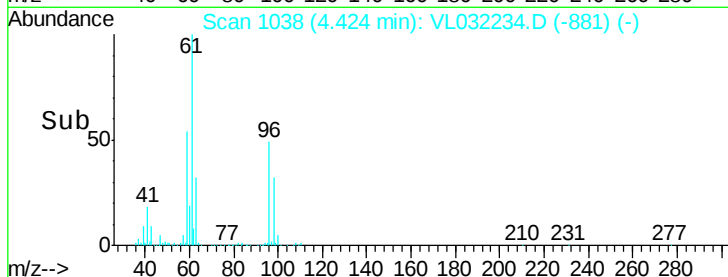
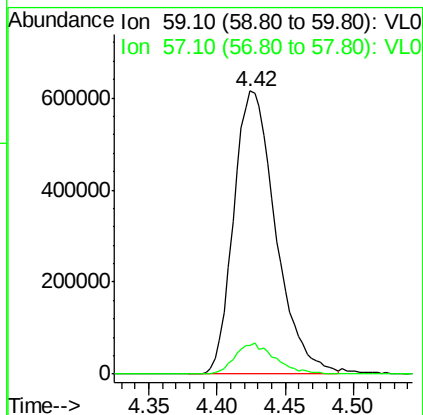
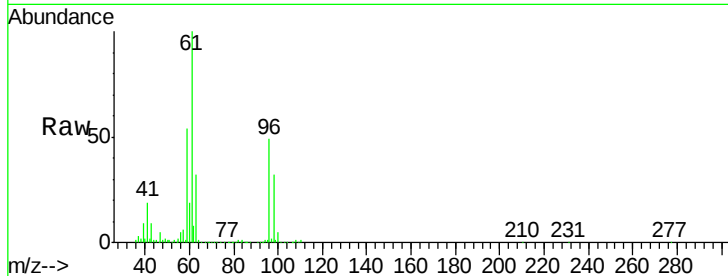




#17
tert-Butyl alcohol
Concen: 10.529 ppbv
RT: 4.42 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

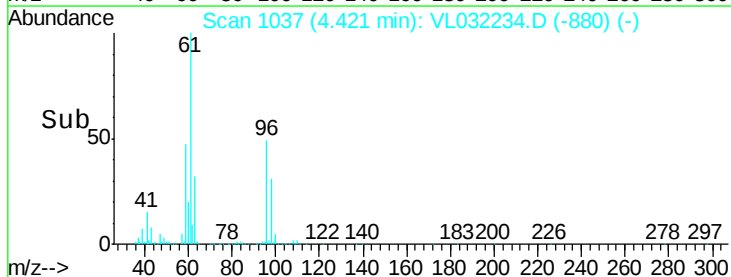
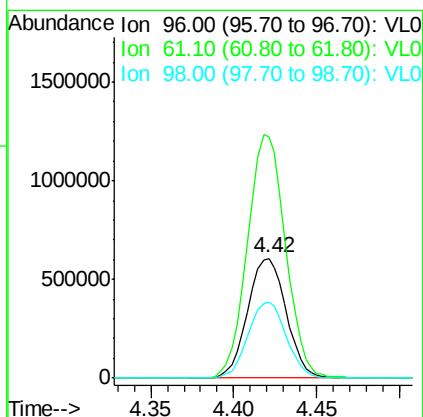
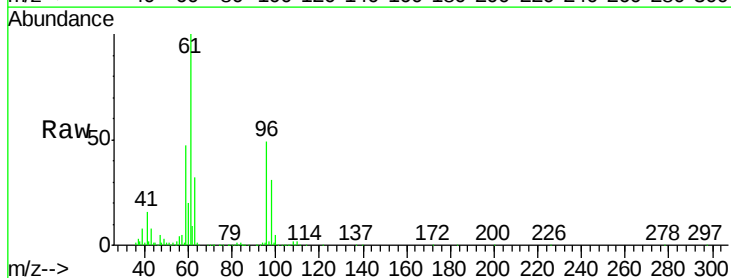
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

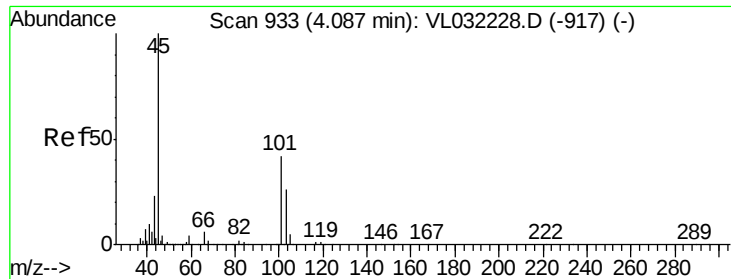
Tgt Ion: 59 Resp: 1317788
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6



#18
1,1-Dichloroethene
Concen: 12.511 ppbv
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

Tgt Ion: 96 Resp: 979897
Ion Ratio Lower Upper
96 100
61 202.2 163.0 244.4
98 63.2 48.5 72.7

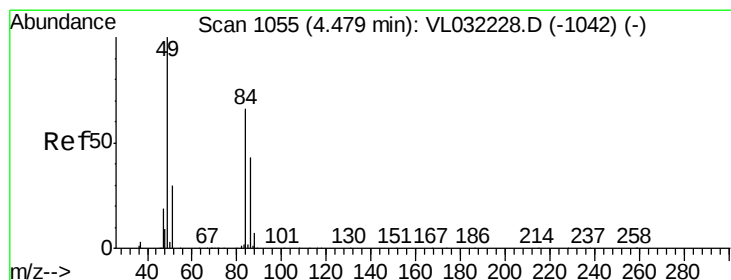
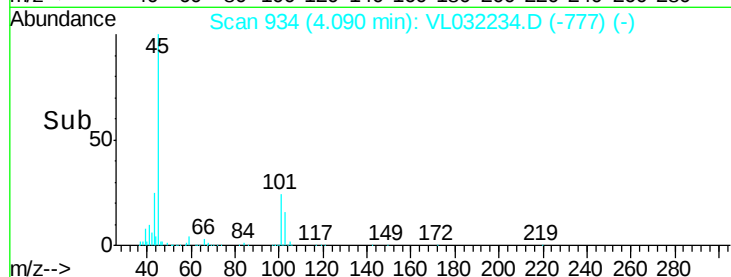
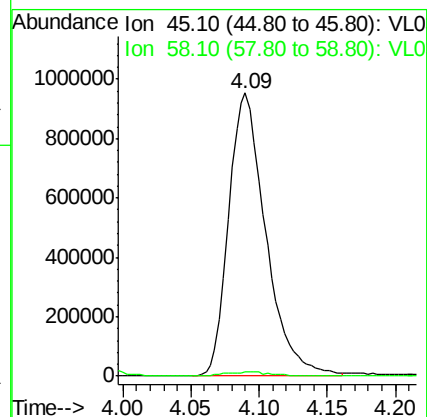
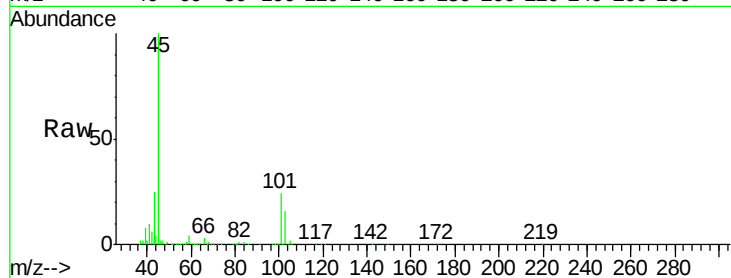




#19
Isopropyl Alcohol
Concen: 10.854 ppbv
RT: 4.09 min Scan# 934
Delta R.T. 0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

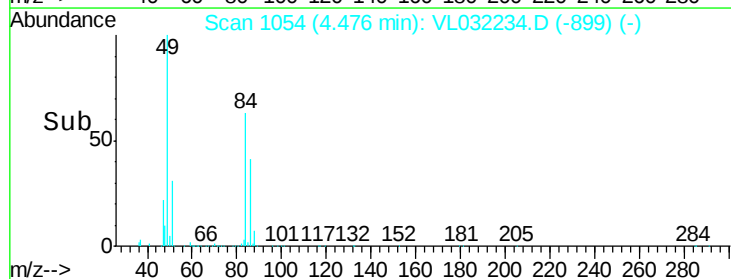
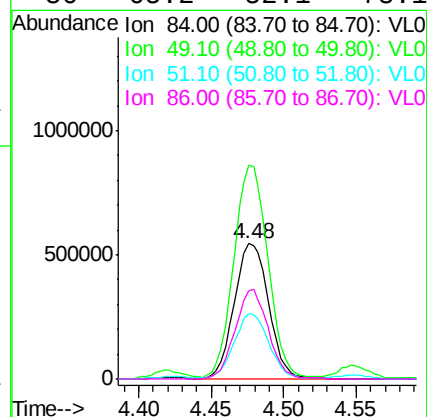
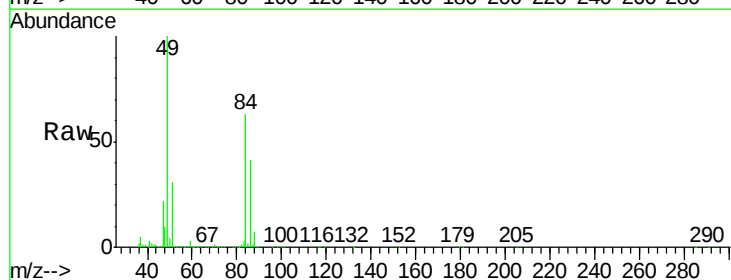
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

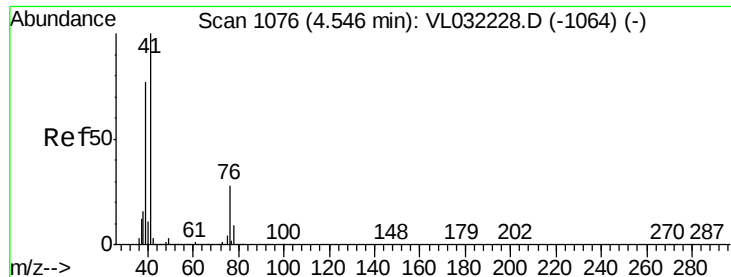
Tgt Ion: 45 Resp: 1794674
Ion Ratio Lower Upper
45 100
58 1.7 1.3 1.9



#20
Methylene Chloride
Concen: 12.038 ppbv
RT: 4.48 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

Tgt Ion: 84 Resp: 895619
Ion Ratio Lower Upper
84 100
49 156.3 121.8 182.6
51 47.3 36.3 54.5
86 65.2 52.1 78.1

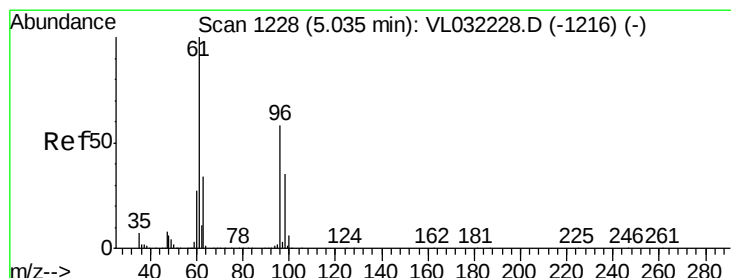
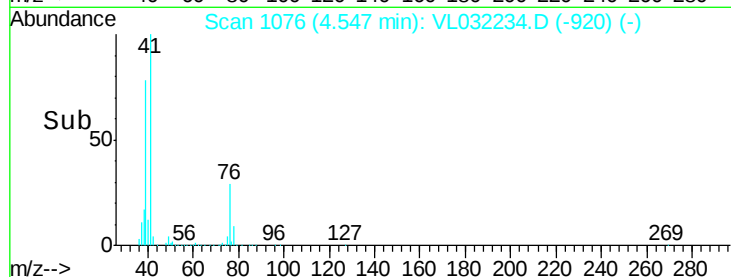
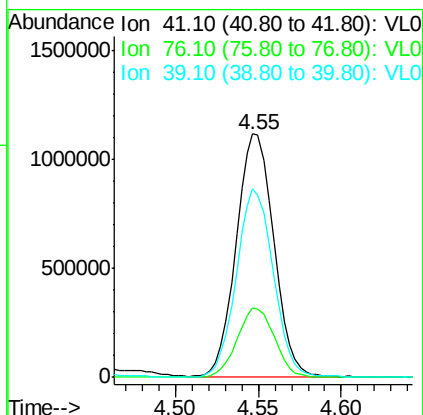
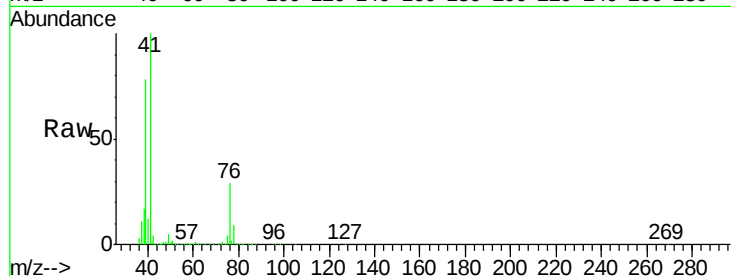




#21
 Allyl Chloride
 Concen: 12.772 ppbv
 RT: 4.55 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

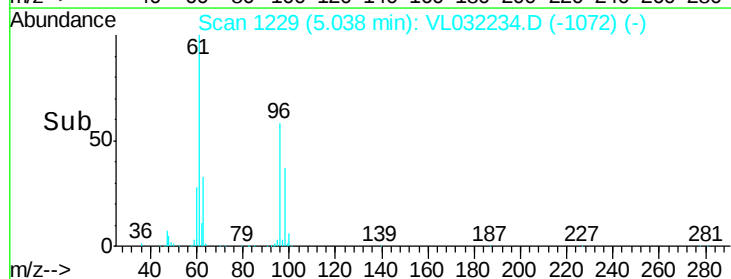
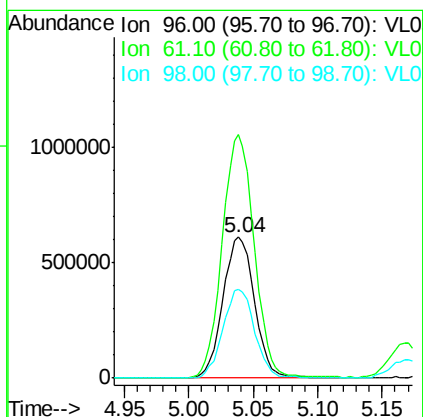
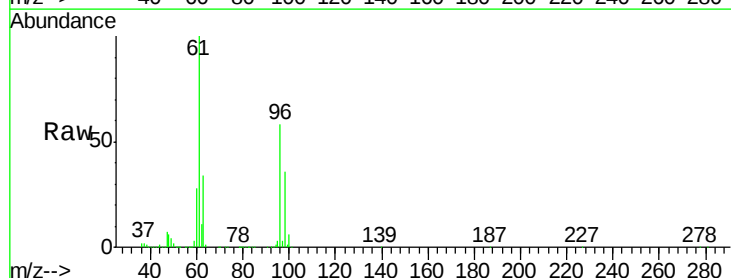
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

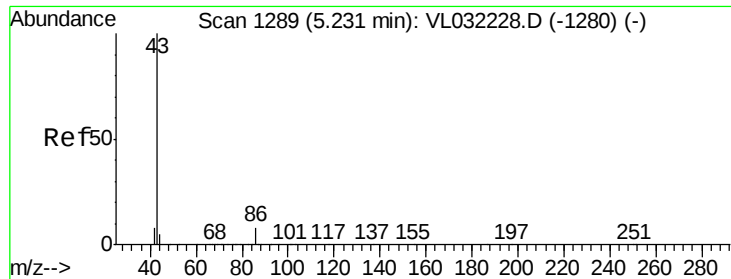
Tgt Ion: 41 Resp: 1756994
 Ion Ratio Lower Upper
 41 100
 76 28.6 22.9 34.3
 39 76.5 62.3 93.5



#22
 trans-1,2-Dichloroethene
 Concen: 12.562 ppbv
 RT: 5.04 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

Tgt Ion: 96 Resp: 1037794
 Ion Ratio Lower Upper
 96 100
 61 173.1 139.1 208.7
 98 63.1 48.4 72.6





#23

Vinyl Acetate

Concen: 13.844 ppbv

RT: 5.23 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 5156899

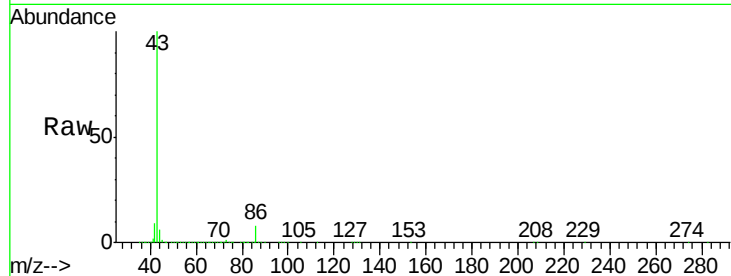
Ion Ratio Lower Upper

43 100

86 7.6 5.9 8.9

42 9.3 7.0 10.6

44 5.7 4.2 6.2

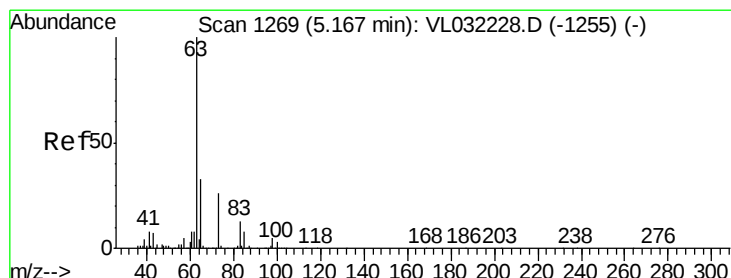
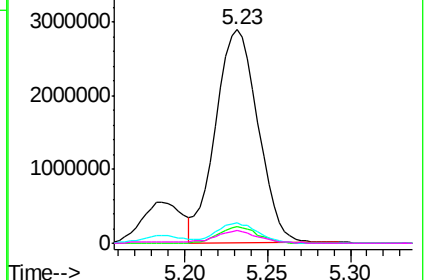
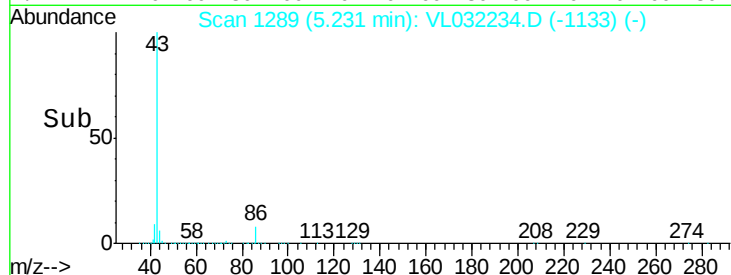


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 13.739 ppbv

RT: 5.17 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

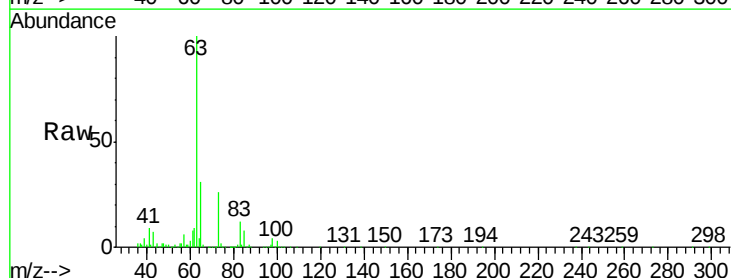
Tgt Ion: 63 Resp: 3311091

Ion Ratio Lower Upper

63 100

98 4.1 2.4 7.1

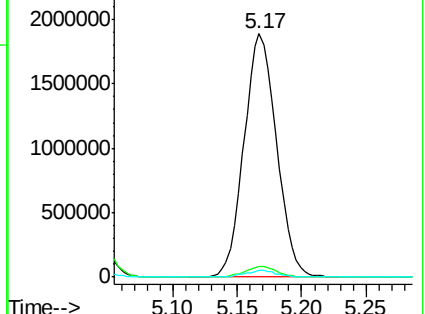
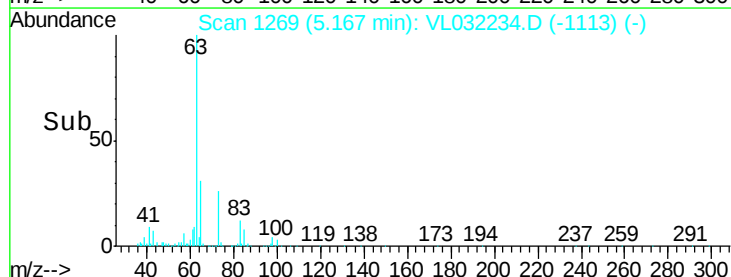
100 2.6 1.5 4.4

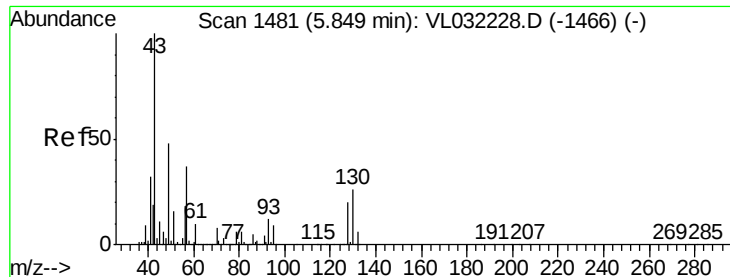


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



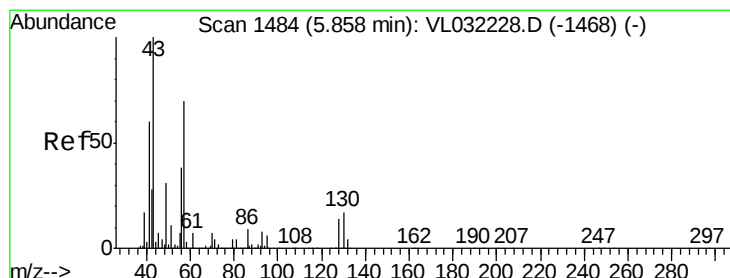
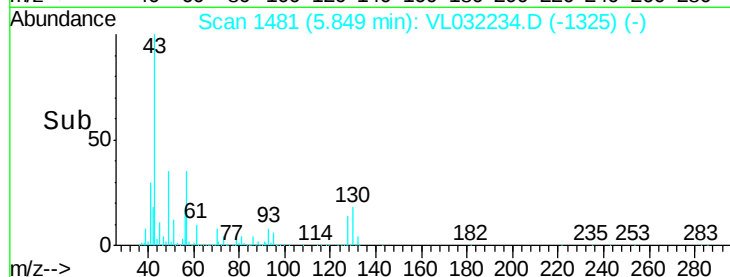
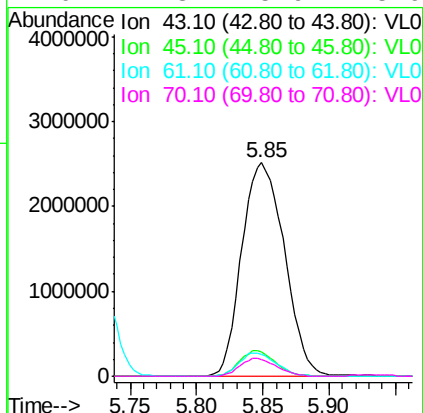
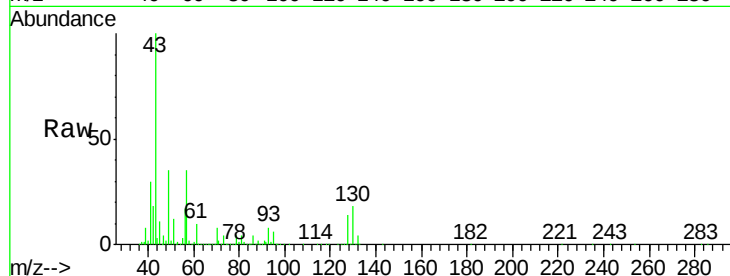


#25
Ethyl Acetate
Concen: 13.232 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. 0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 5625087

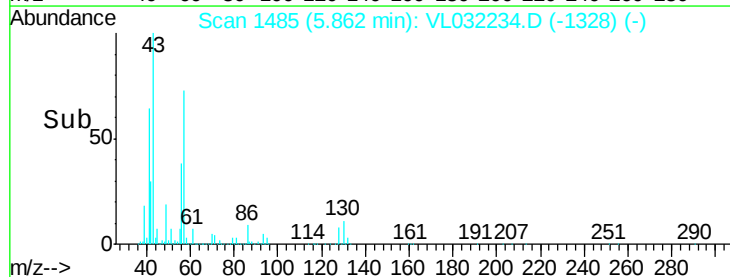
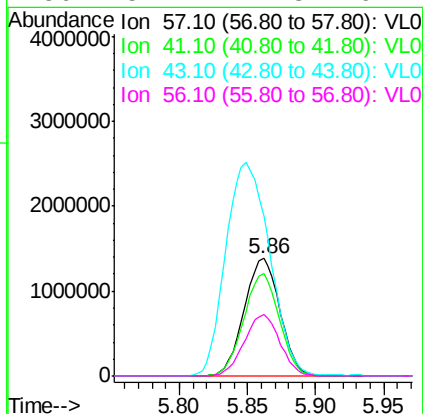
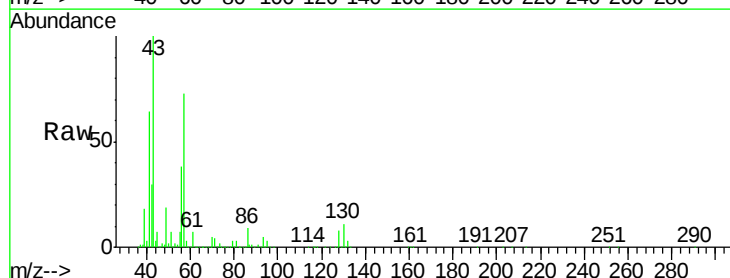
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.5	7.7	11.5
70	7.3	5.9	8.9

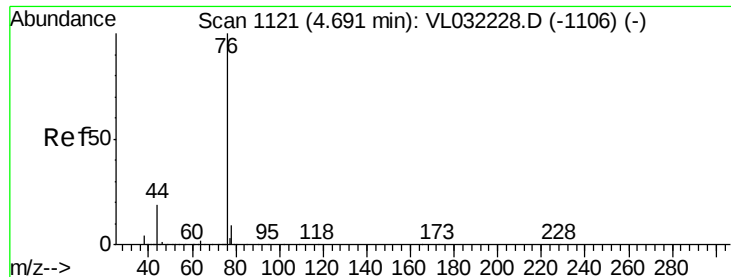


#26
Hexane
Concen: 12.854 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. 0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

Tgt Ion: 57 Resp: 2523338

Ion	Ratio	Lower	Upper
57	100		
41	86.9	68.7	103.1
43	224.2	176.2	264.2
56	52.1	42.8	64.2





#27

Carbon Disulfide

Concen: 13.184 ppbv

RT: 4.69 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

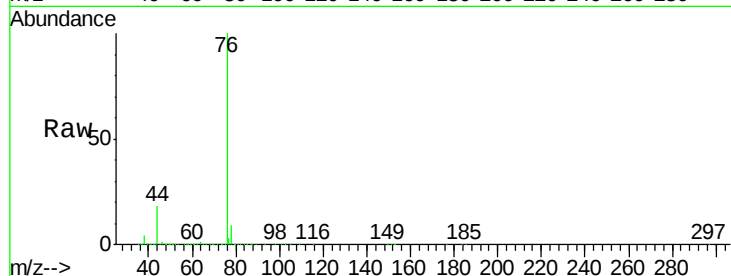
Tgt Ion: 76 Resp: 2518933

Ion Ratio Lower Upper

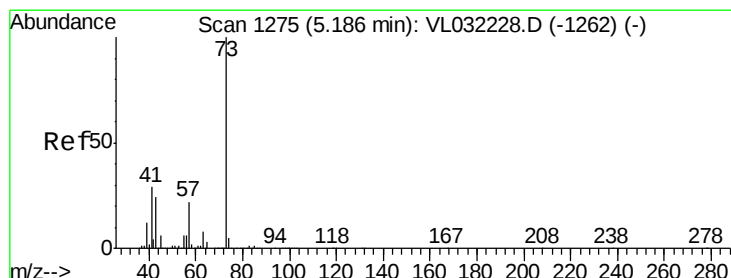
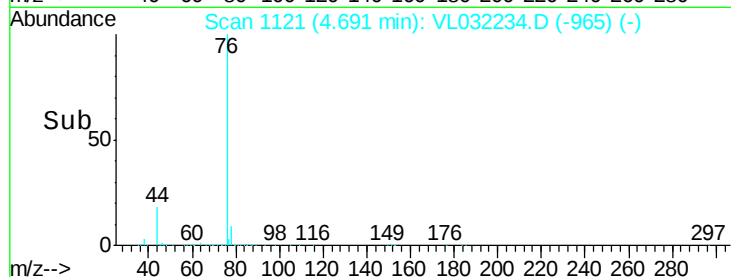
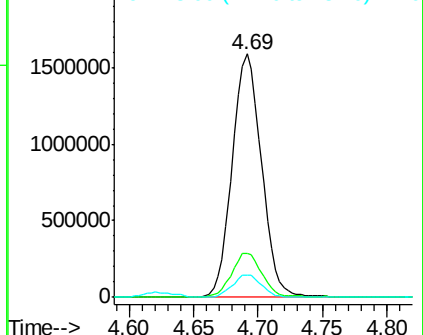
76 100

44 18.5 15.1 22.7

78 9.1 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: 12.366 ppbv

RT: 5.19 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VL032234.D

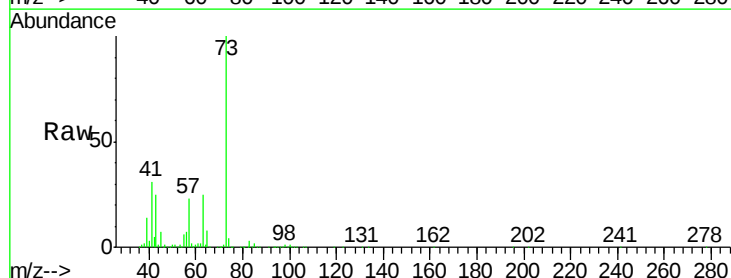
Acq: 12 Jul 2018 22:10

Tgt Ion: 73 Resp: 4228266

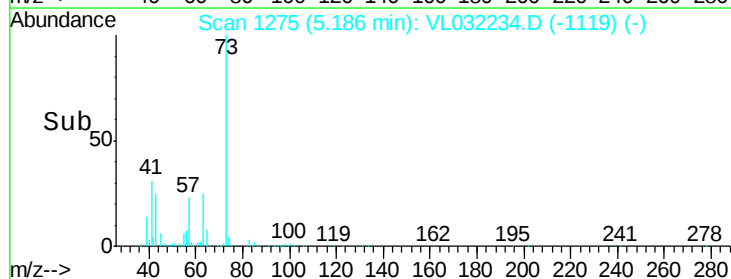
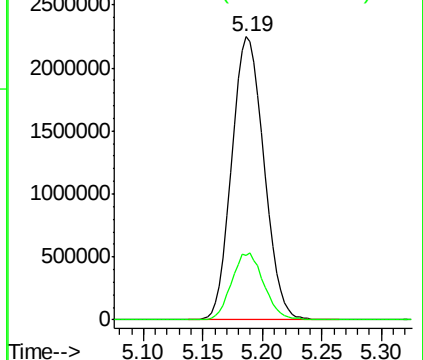
Ion Ratio Lower Upper

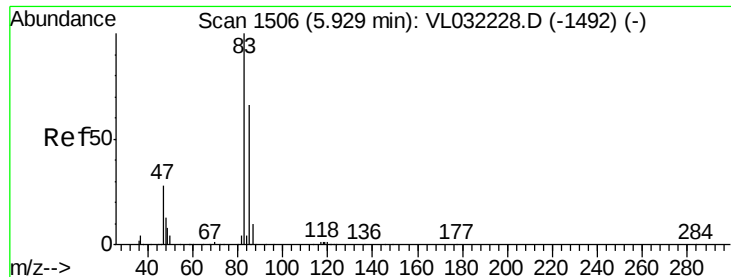
73 100

57 23.8 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: 13.359 ppbv

RT: 5.93 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

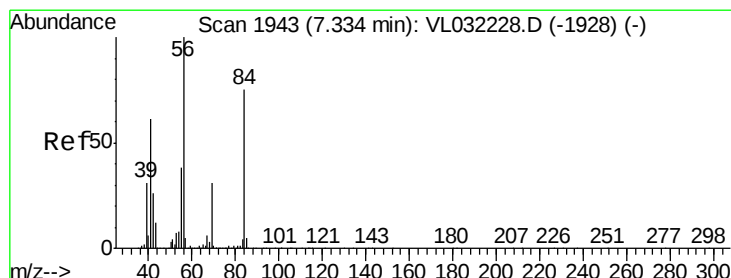
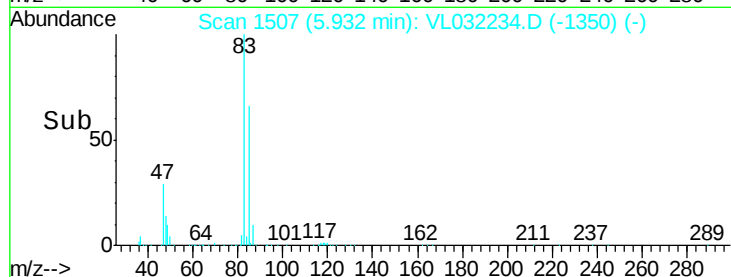
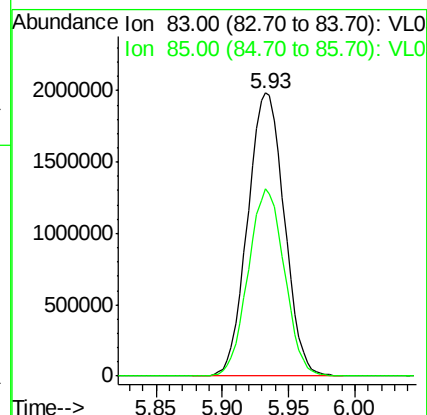
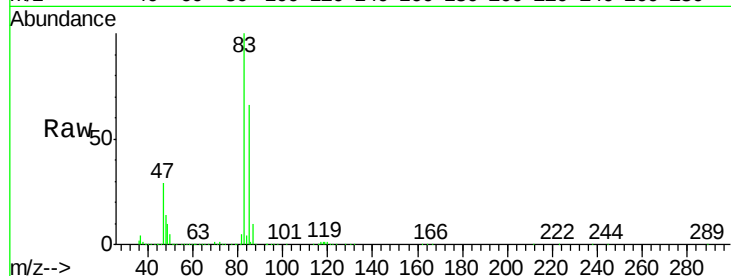
VSTDIC015

Tgt Ion: 83 Resp: 3820931

Ion Ratio Lower Upper

83 100

85 66.3 52.7 79.1



#30

Cyclohexane

Concen: 12.394 ppbv

RT: 7.34 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

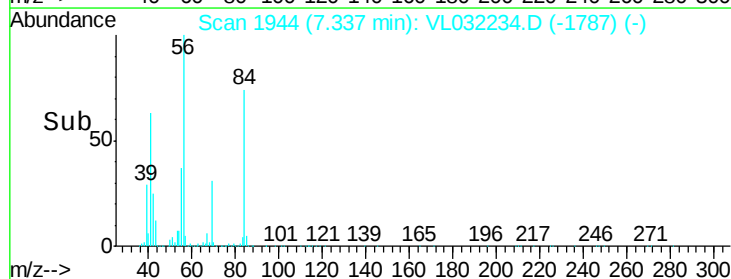
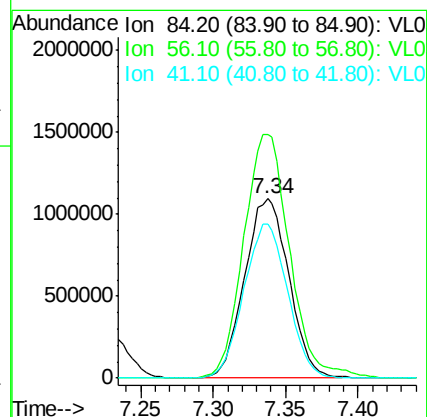
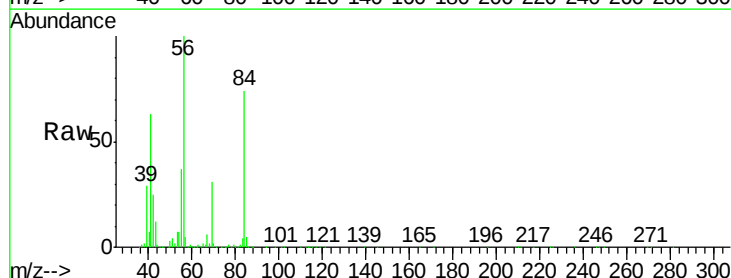
Tgt Ion: 84 Resp: 2325067

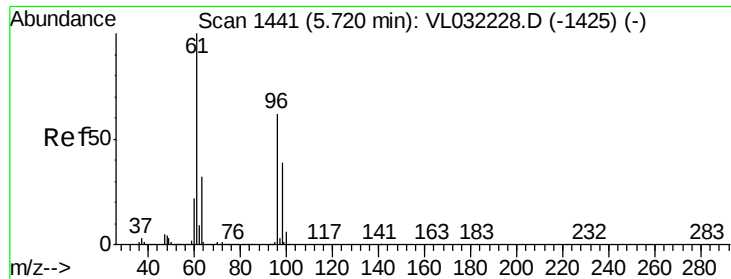
Ion Ratio Lower Upper

84 100

56 141.1 112.6 168.8

41 85.4 67.0 100.6

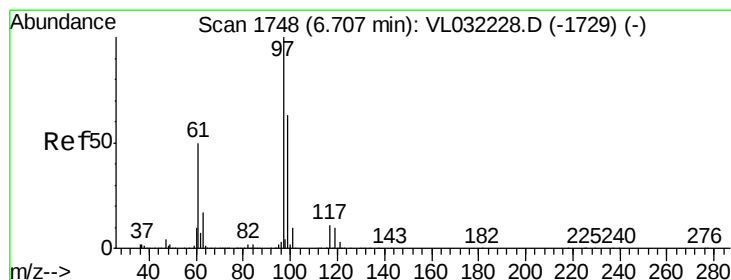
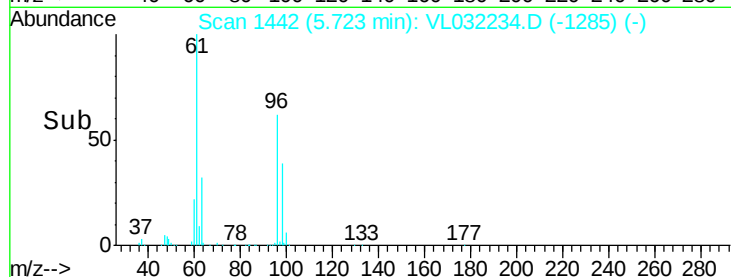
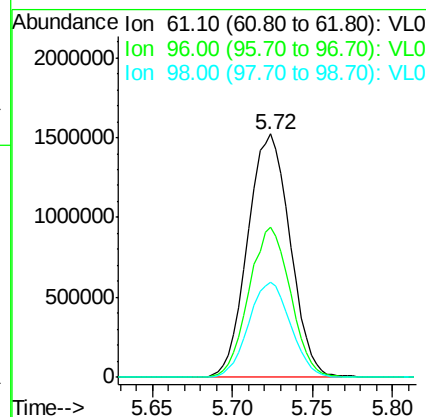
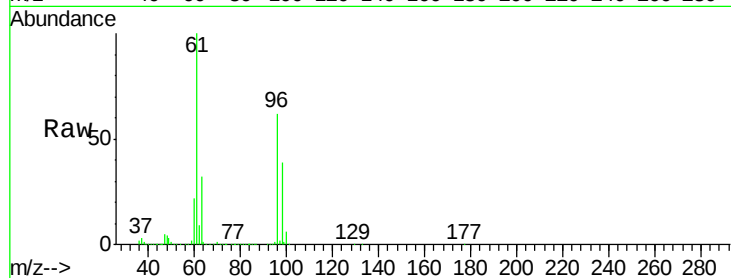




#31
 cis-1,2-Dichloroethene
 Concen: 13.991 ppbv
 RT: 5.72 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

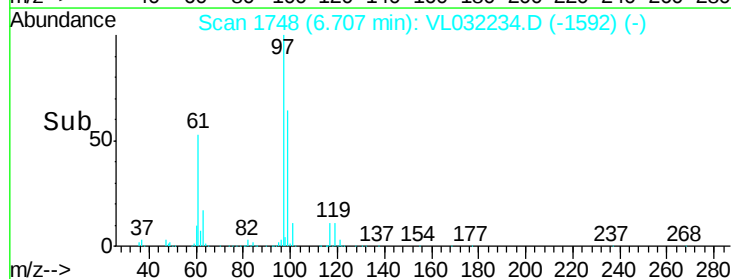
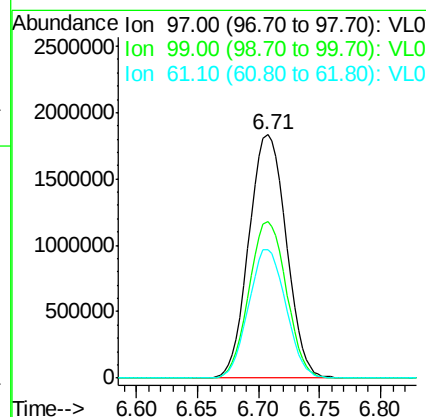
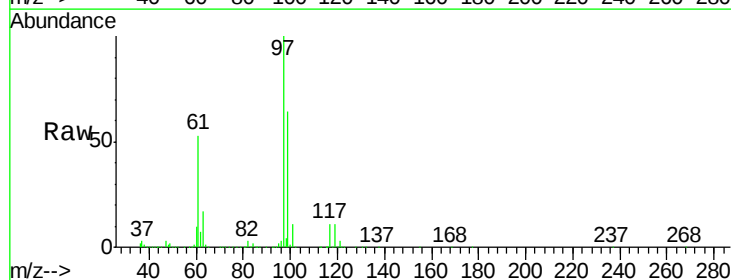
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

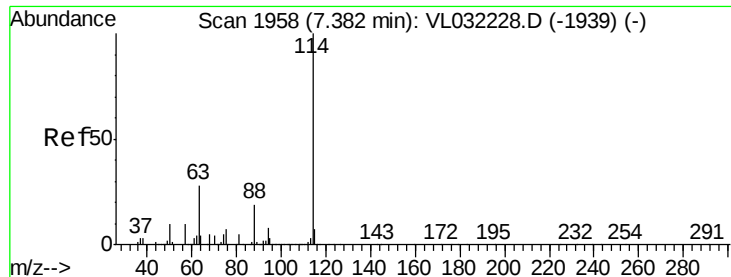
Tgt Ion: 61 Resp: 2758219
 Ion Ratio Lower Upper
 61 100
 96 61.8 49.8 74.8
 98 39.3 31.4 47.2



#32
 1,1,1-Trichloroethane
 Concen: 12.805 ppbv
 RT: 6.71 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

Tgt Ion: 97 Resp: 3894167
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.2 76.8
 61 52.5 41.3 61.9

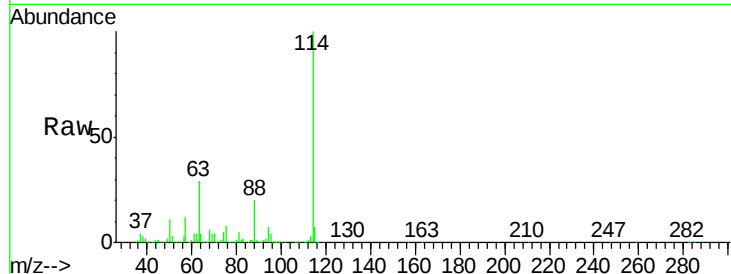




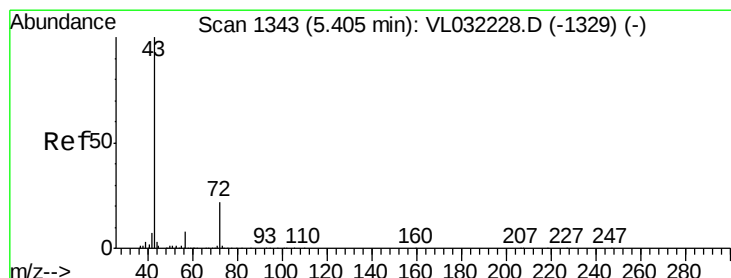
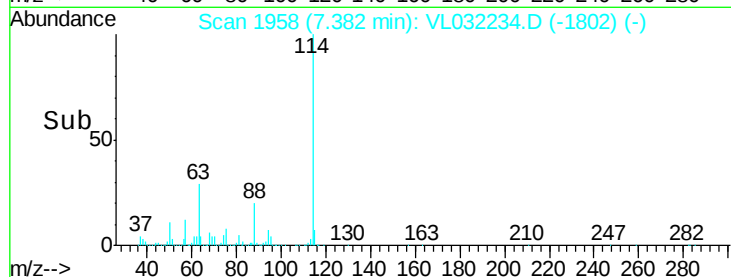
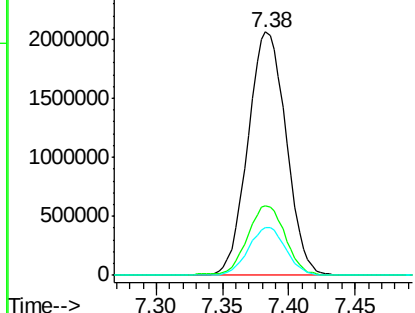
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 114 Resp: 4140207
 Ion Ratio Lower Upper
 114 100
 63 28.8 22.5 33.7
 88 19.3 15.4 23.0

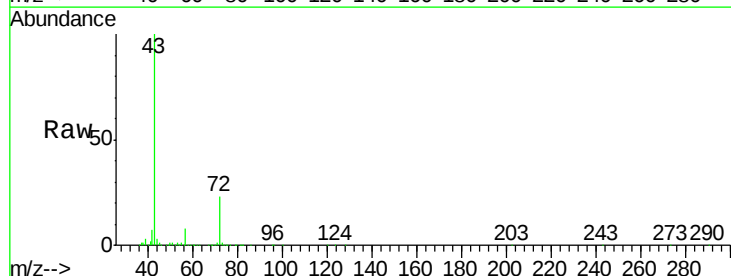


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

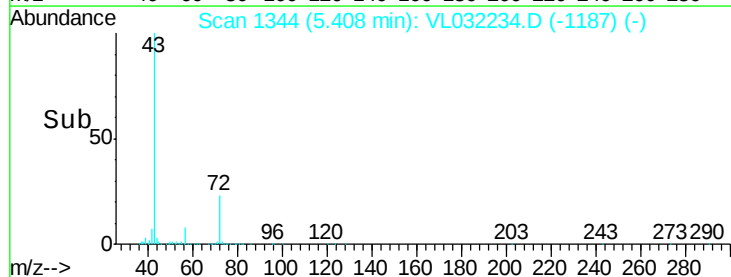
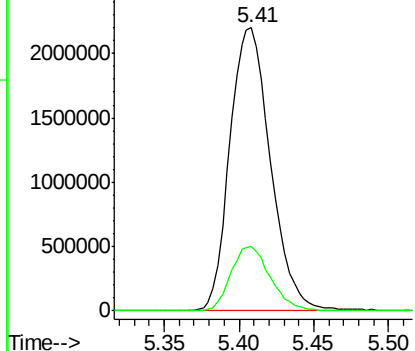


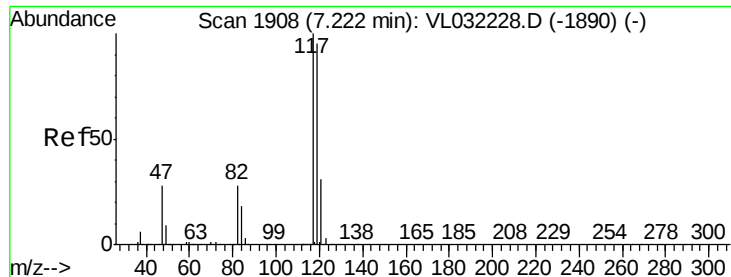
#34
 2-Butanone
 Concen: 15.780 ppbv
 RT: 5.41 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

Tgt Ion: 43 Resp: 4141363
 Ion Ratio Lower Upper
 43 100
 72 22.3 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: 13.384 ppbv

RT: 7.22 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

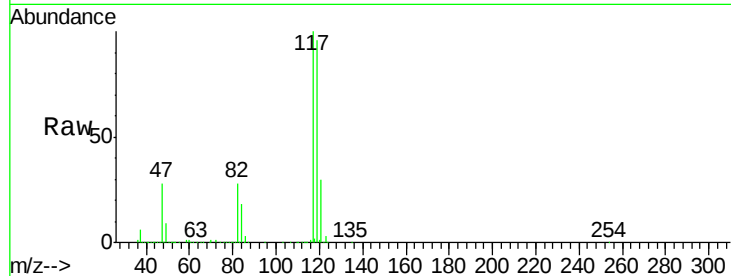
Tgt Ion:117 Resp: 3833838

Ion Ratio Lower Upper

117 100

119 95.5 75.7 113.5

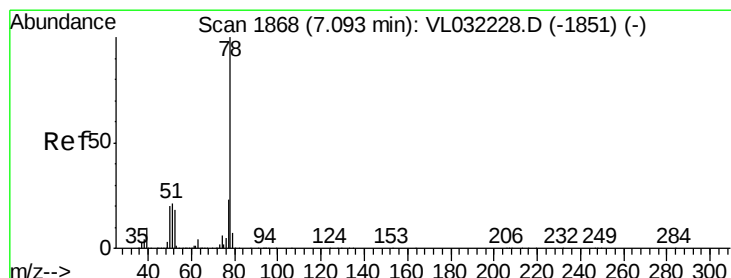
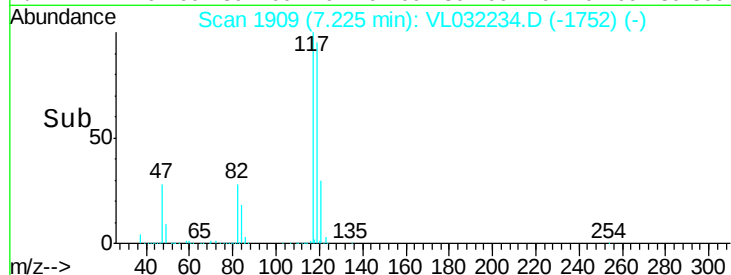
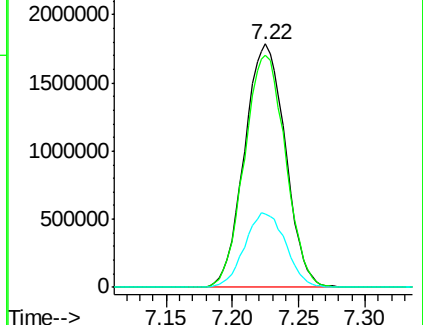
121 30.3 24.6 37.0



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: 13.579 ppbv

RT: 7.10 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

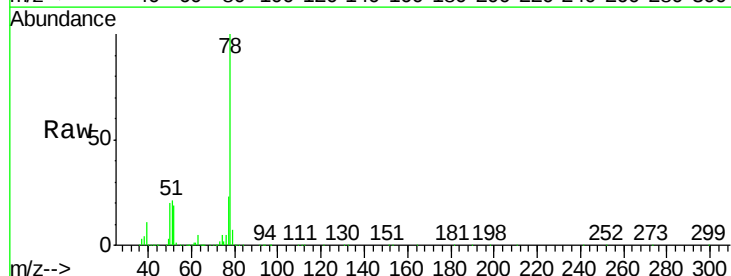
Tgt Ion: 78 Resp: 5529878

Ion Ratio Lower Upper

78 100

77 23.2 18.0 27.0

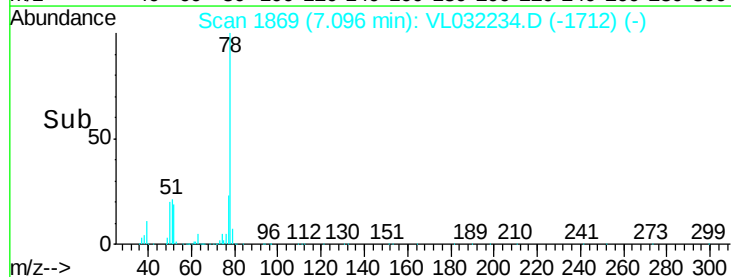
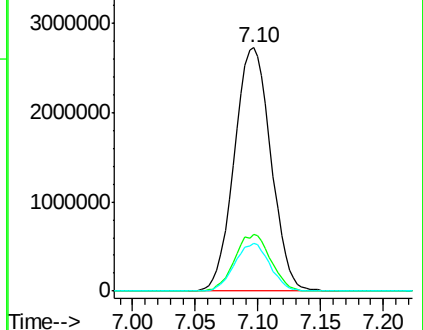
50 19.6 15.8 23.8

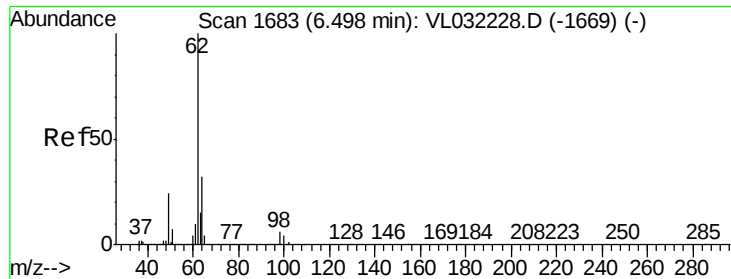


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

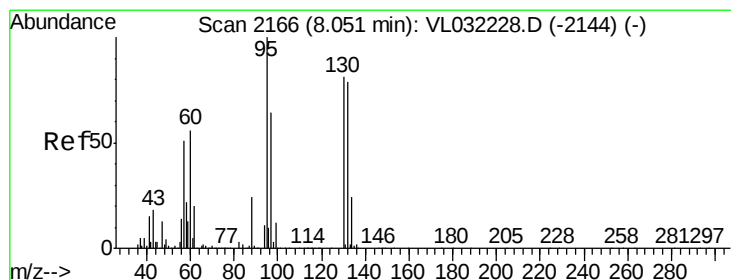
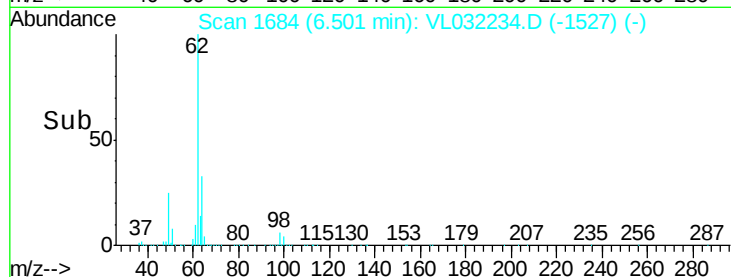
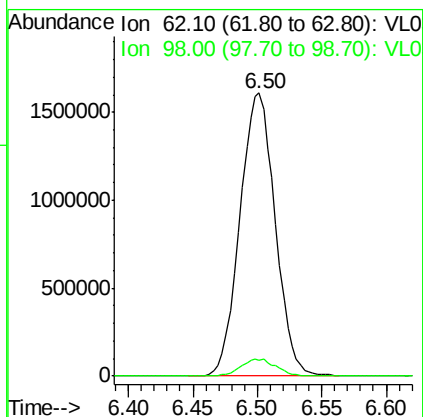
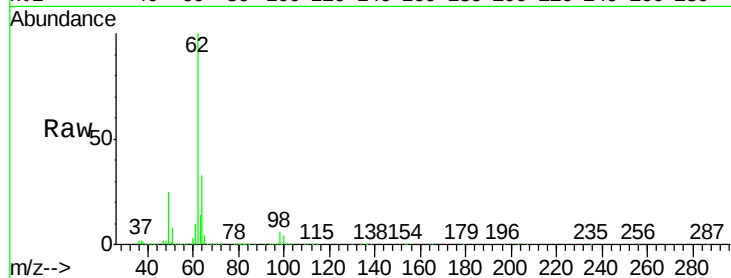




#37
 1,2-Dichloroethane
 Concen: 15.027 ppbv
 RT: 6.50 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

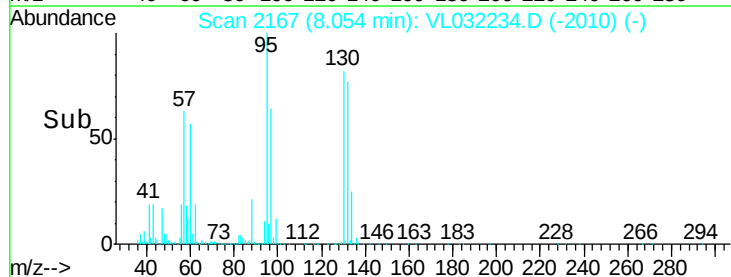
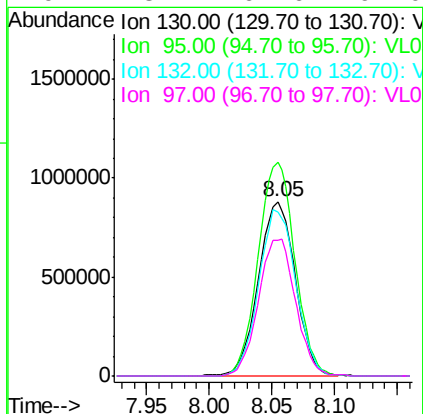
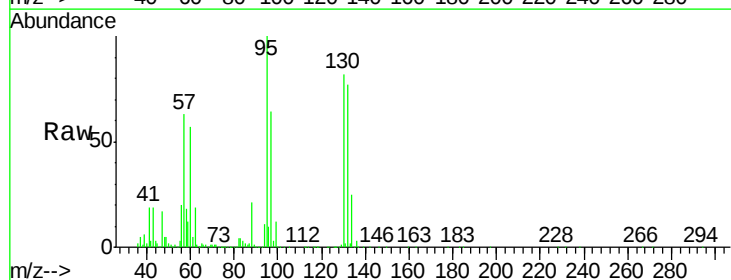
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

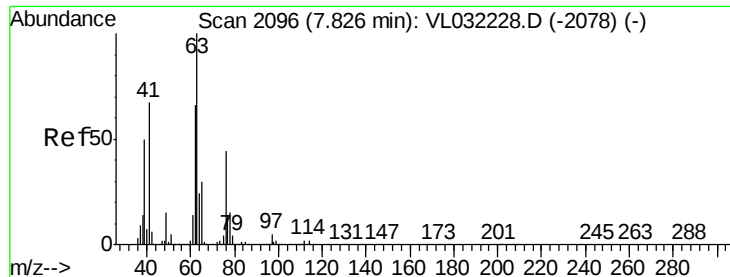
Tgt Ion: 62 Resp: 3063925
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.6 7.0



#38
 Trichloroethene
 Concen: 11.726 ppbv
 RT: 8.05 min Scan# 2167
 Delta R.T. 0.00 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

Tgt Ion: 130 Resp: 1806270
 Ion Ratio Lower Upper
 130 100
 95 123.2 98.3 147.5
 132 94.6 78.1 117.1
 97 78.4 62.6 94.0





#39

1,2-Dichloropropane

Concen: 14.460 ppbv

RT: 7.83 min Scan# 2097

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

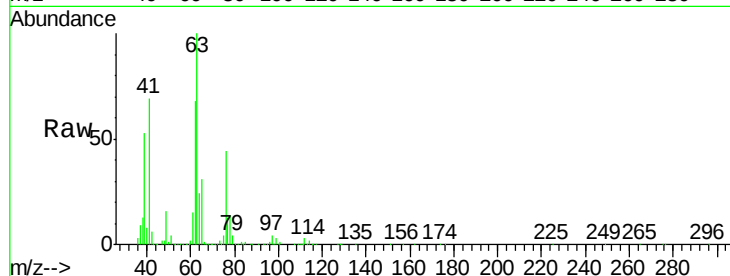
Tgt Ion: 63 Resp: 2299571

Ion Ratio Lower Upper

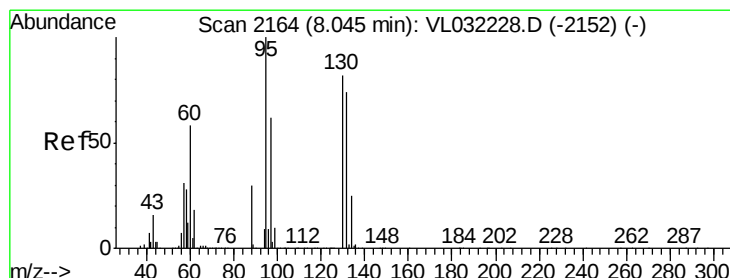
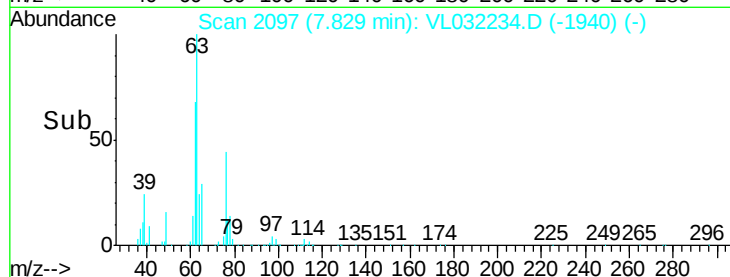
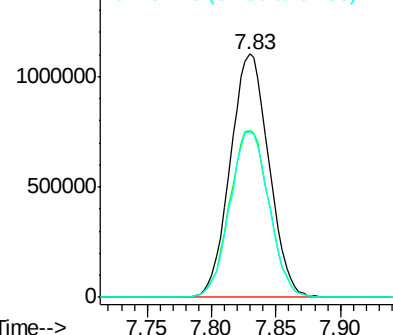
63 100

41 68.7 53.8 80.6

62 68.2 53.1 79.7



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 11.146 ppbv

RT: 8.05 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Tgt Ion: 88 Resp: 664041

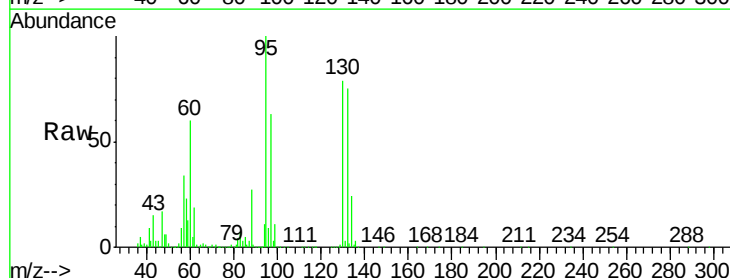
Ion Ratio Lower Upper

88 100

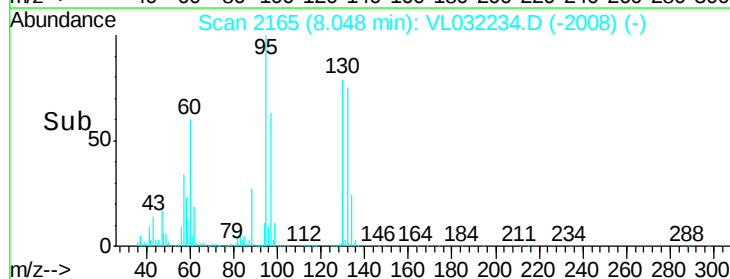
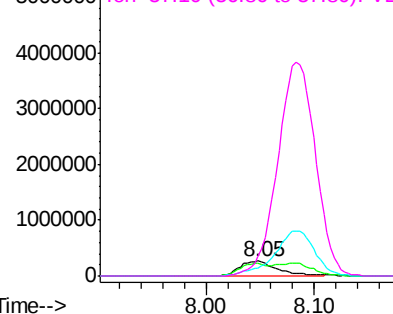
58 54.5 117.4 176.2#

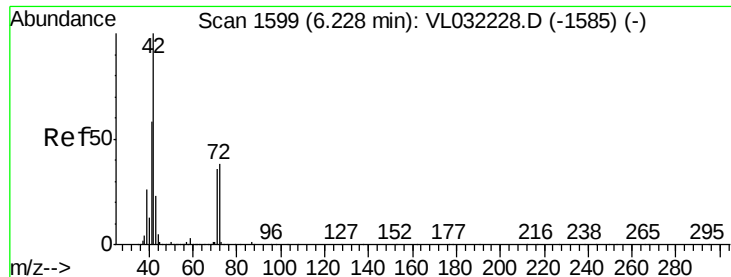
43 0.0 0.0 0.0

57 0.0 0.0 0.0



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 15.232 ppbv

RT: 6.23 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

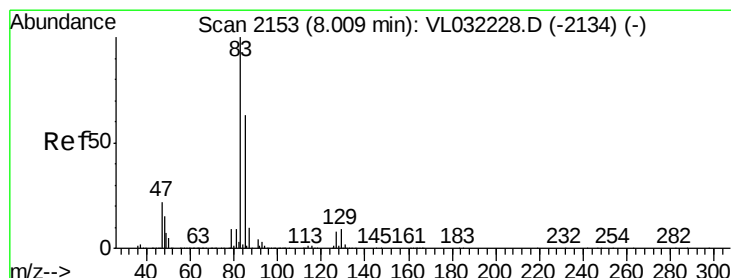
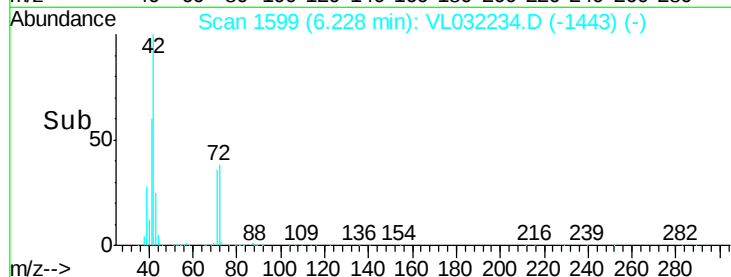
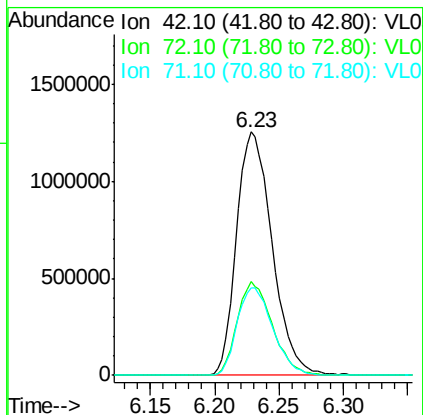
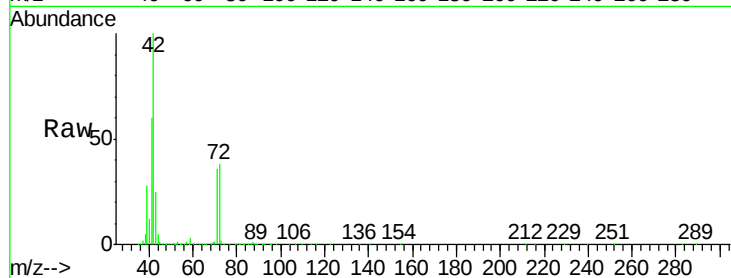
Tgt Ion: 42 Resp: 2412617

Ion Ratio Lower Upper

42 100

72 38.0 30.6 45.8

71 36.3 29.7 44.5



#42

Bromodichloromethane

Concen: 14.128 ppbv

RT: 8.01 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

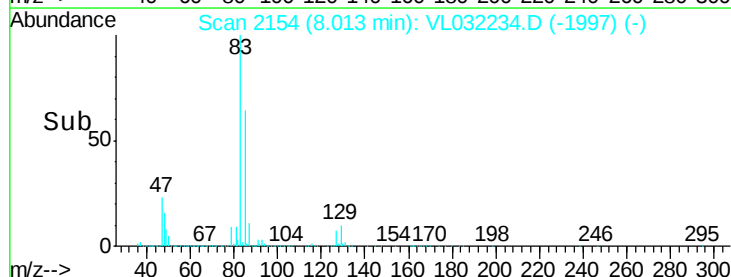
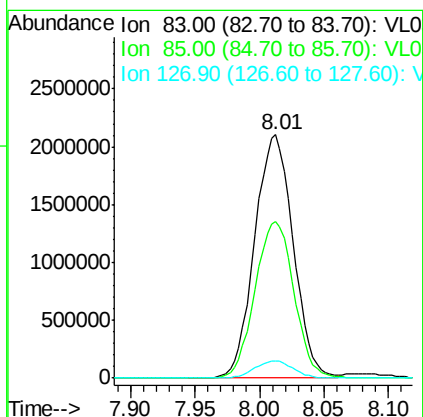
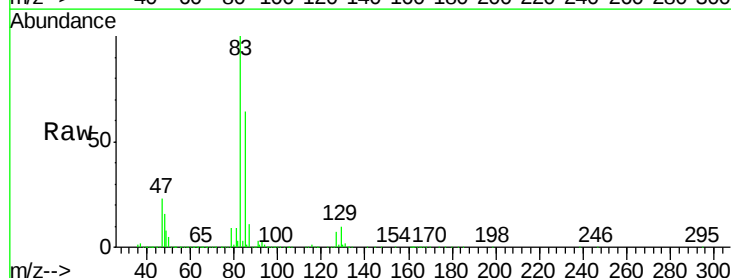
Tgt Ion: 83 Resp: 4386151

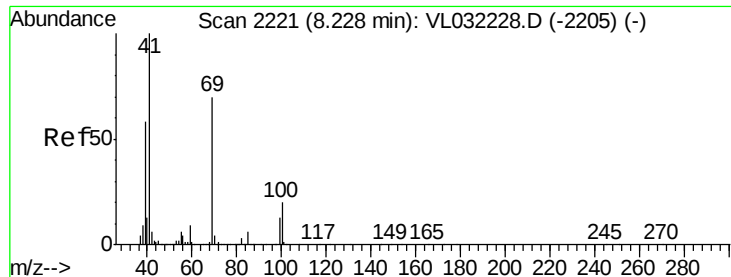
Ion Ratio Lower Upper

83 100

85 64.1 50.6 76.0

127 6.9 6.1 9.1

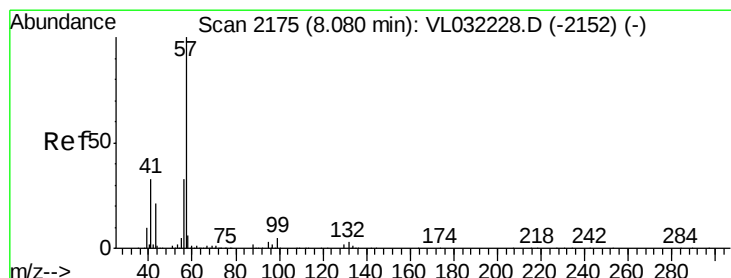
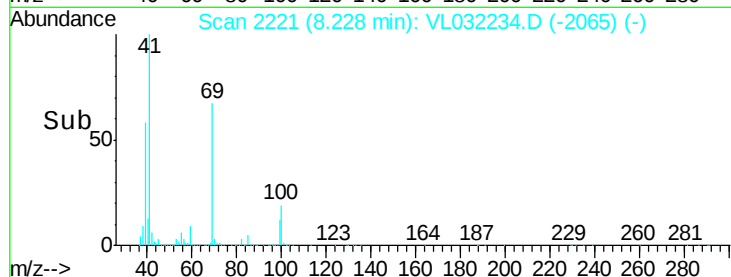
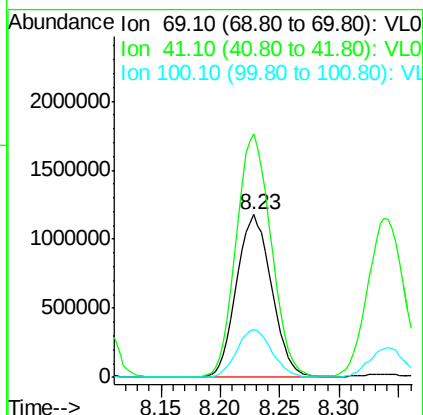
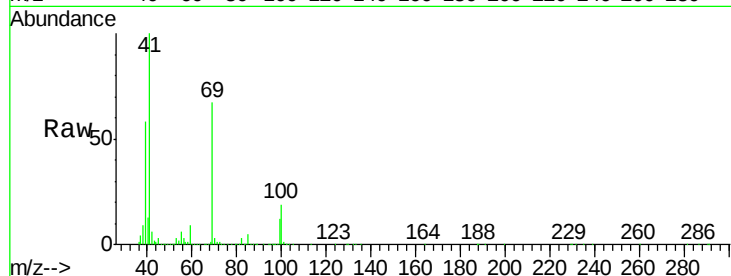




#43
Methyl Methacrylate
Concen: 14.616 ppbv
RT: 8.23 min Scan# 2221
Delta R.T. 0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

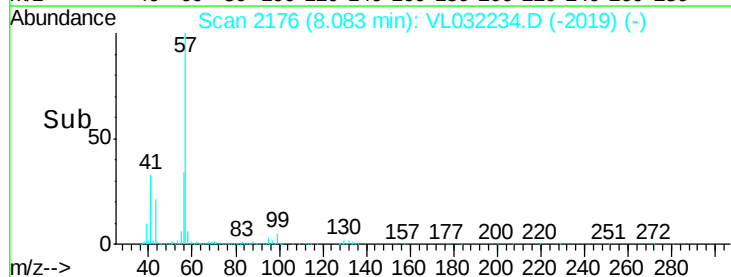
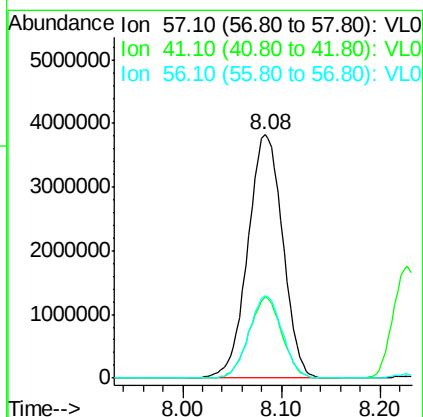
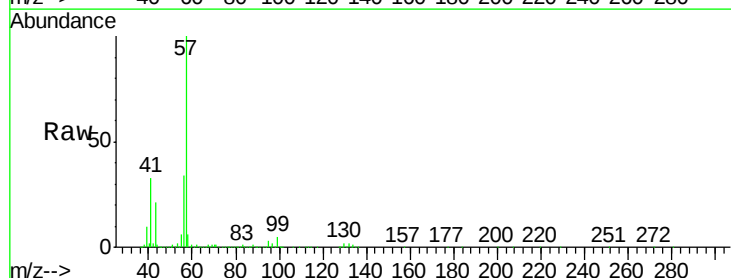
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

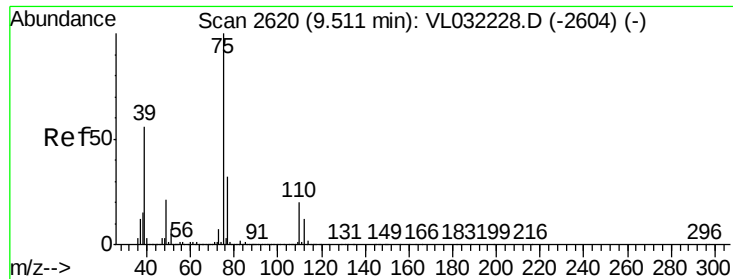
Tgt Ion: 69 Resp: 2410861
Ion Ratio Lower Upper
69 100
41 148.9 116.3 174.5
100 29.4 23.8 35.8



#44
2,2,4-Trimethylpentane
Concen: 13.410 ppbv
RT: 8.08 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

Tgt Ion: 57 Resp: 9342249
Ion Ratio Lower Upper
57 100
41 31.4 24.7 37.1
56 32.2 25.4 38.0

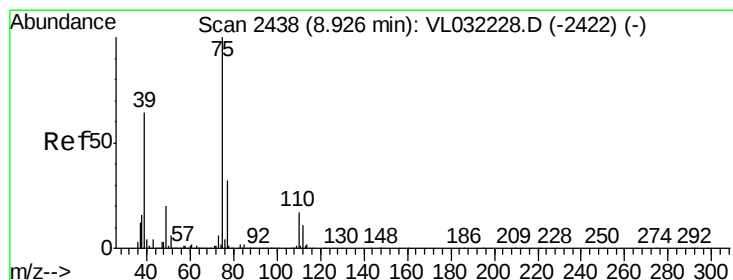
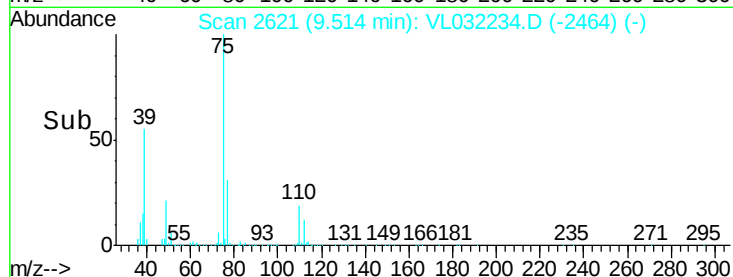
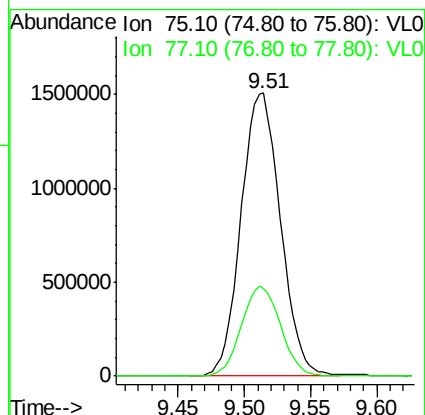
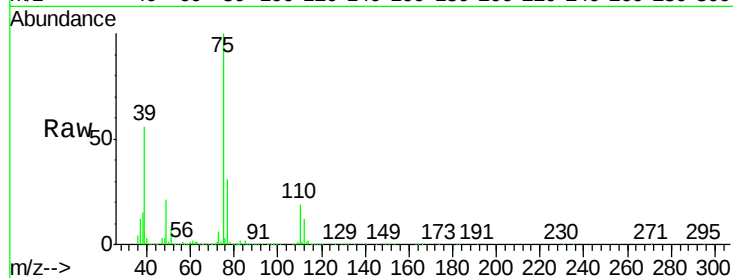




#45
t-1,3-Dichloropropene
Concen: 15.078 ppbv
RT: 9.51 min Scan# 2621
Delta R.T. 0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

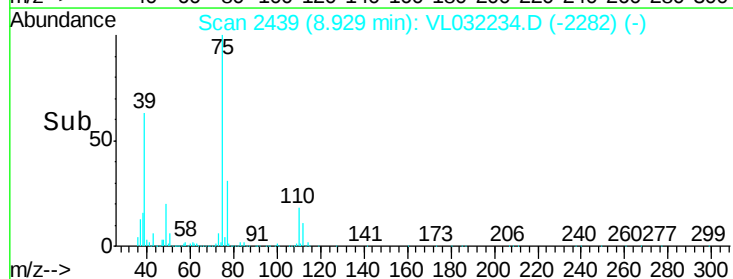
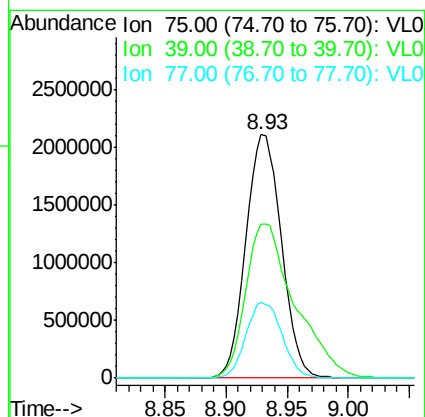
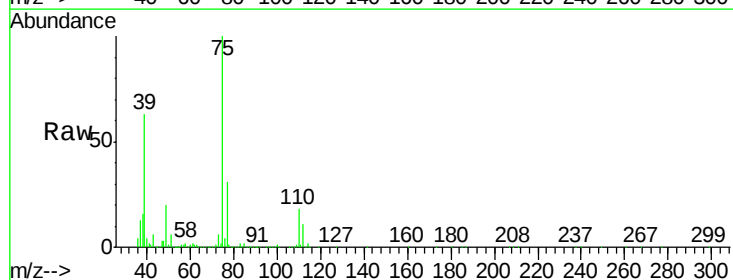
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

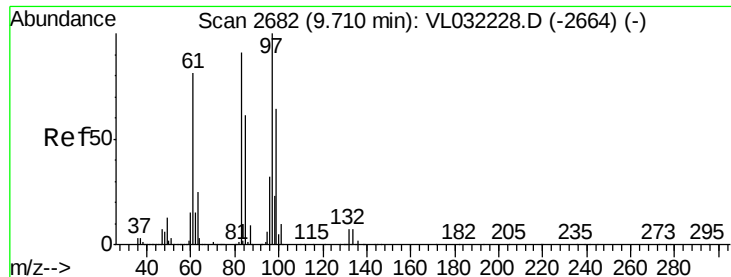
Tgt Ion: 75 Resp: 3108939
Ion Ratio Lower Upper
75 100
77 31.1 25.5 38.3



#46
cis-1,3-Dichloropropene
Concen: 17.102 ppbv
RT: 8.93 min Scan# 2439
Delta R.T. 0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

Tgt Ion: 75 Resp: 4246781
Ion Ratio Lower Upper
75 100
39 62.9 50.9 76.3
77 31.1 25.3 37.9



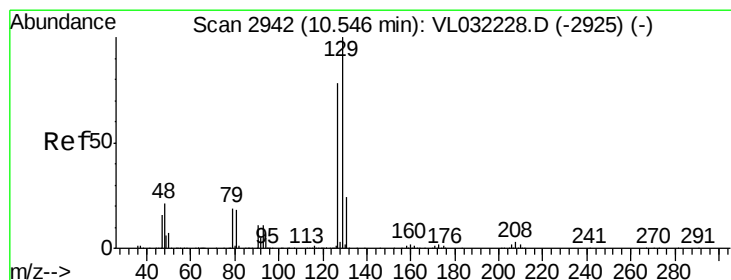
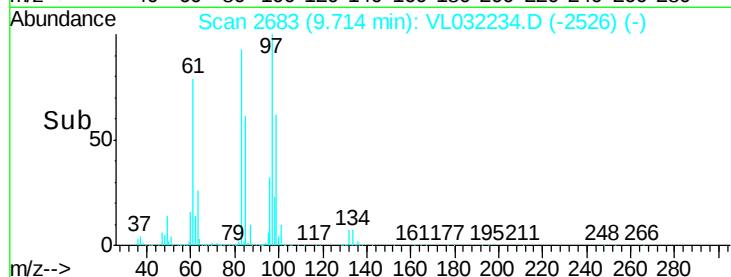
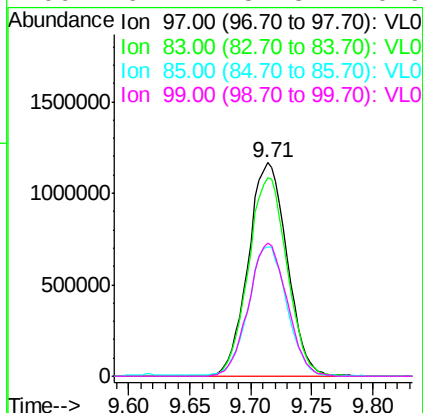
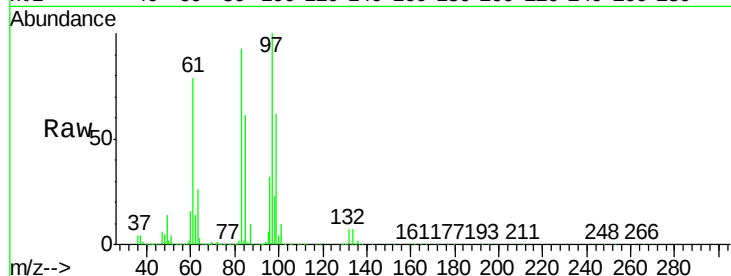


#47
 1,1,2-Trichloroethane
 Concen: 15.610 ppbv
 RT: 9.71 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 97 Resp: 2565068

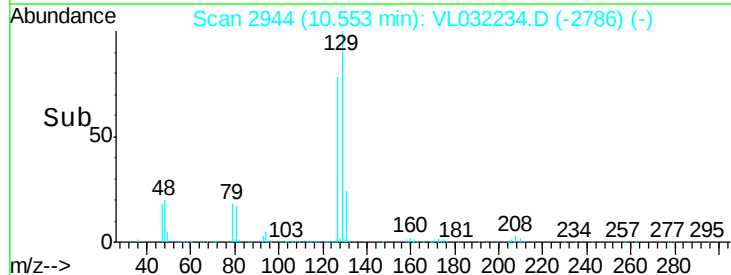
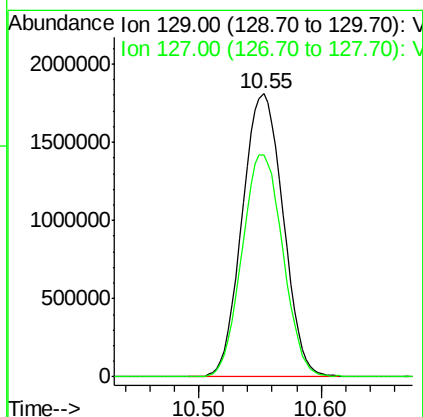
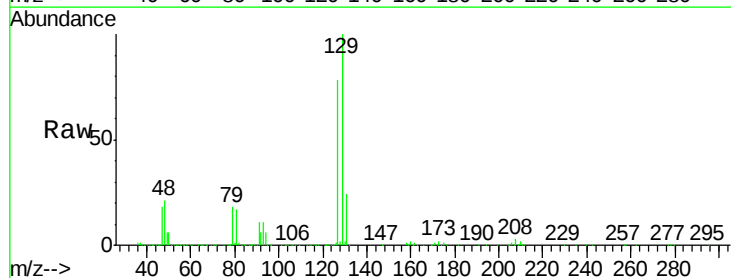
Ion	Ratio	Lower	Upper
97	100		
83	92.7	72.9	109.3
85	60.6	49.3	73.9
99	62.1	51.3	76.9

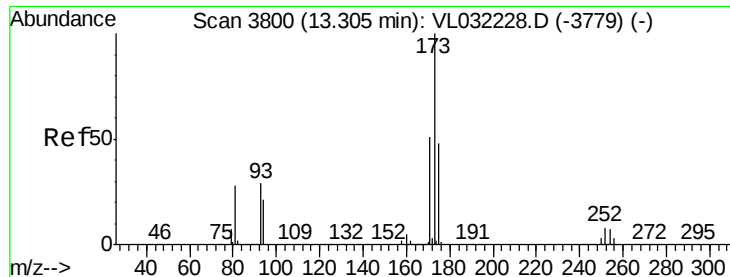


#48
 Dibromochloromethane
 Concen: 16.579 ppbv
 RT: 10.55 min Scan# 2944
 Delta R.T. 0.01 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

Tgt Ion: 129 Resp: 4195034

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.3	117.9





#49

Bromoform

Concen: 15.740 ppbv

RT: 13.31 min Scan# 3801

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

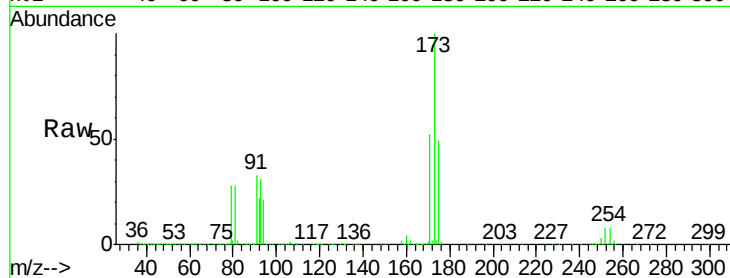
Tgt Ion:173 Resp: 3317159

Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.2

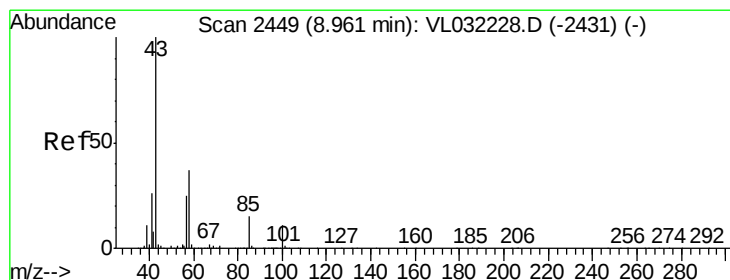
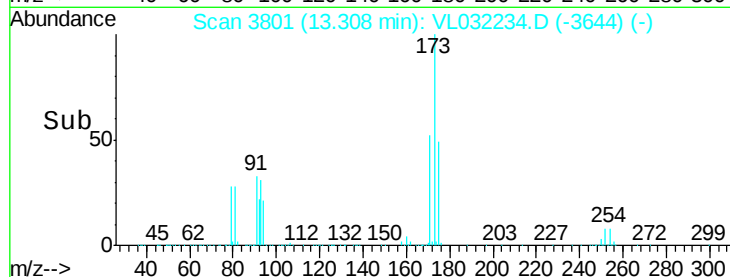
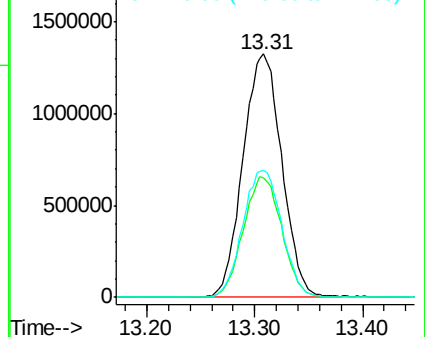
171 52.8 41.8 62.6



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: 16.767 ppbv

RT: 8.96 min Scan# 2450

Delta R.T. 0.00 min

Lab File: VL032234.D

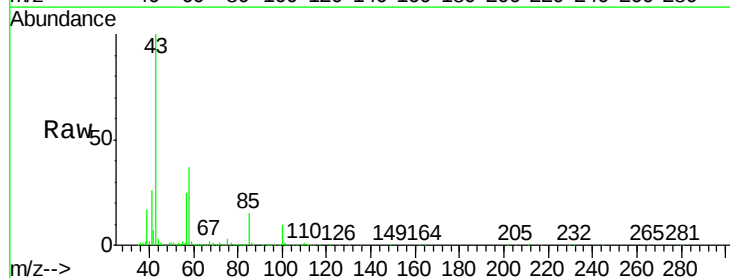
Acq: 12 Jul 2018 22:10

Tgt Ion: 43 Resp: 7331947

Ion Ratio Lower Upper

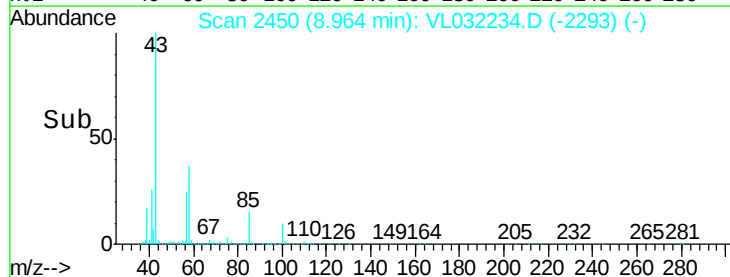
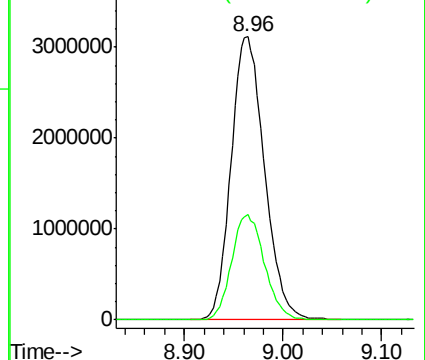
43 100

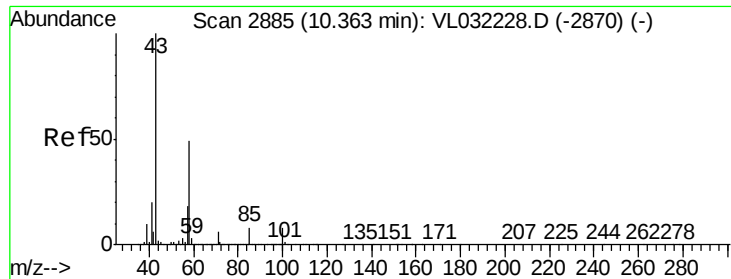
58 36.8 29.5 44.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



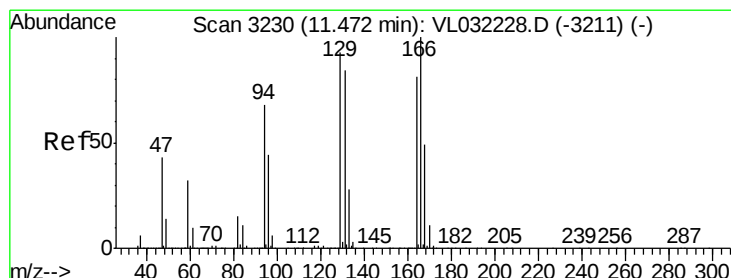
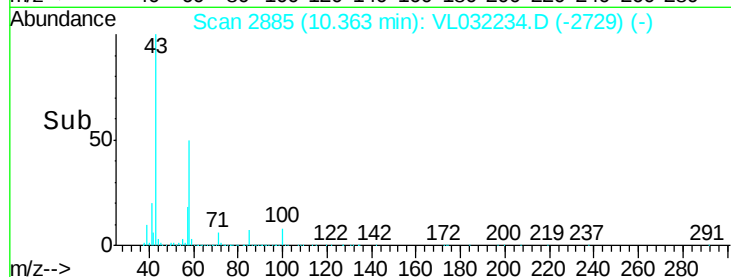
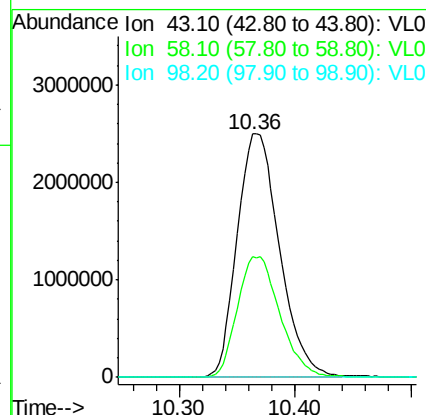
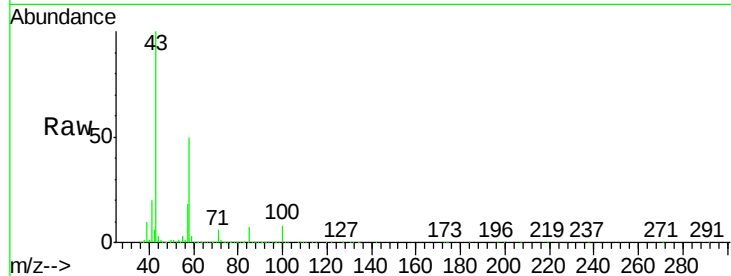


#51
2-Hexanone
Concen: 17.462 ppbv
RT: 10.36 min Scan# 2885
Delta R.T. 0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 6328722

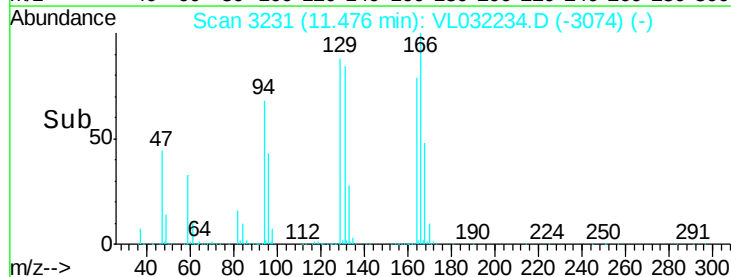
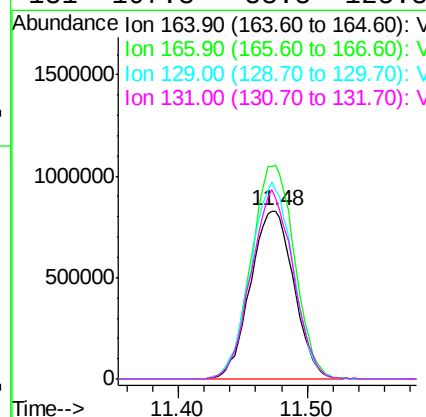
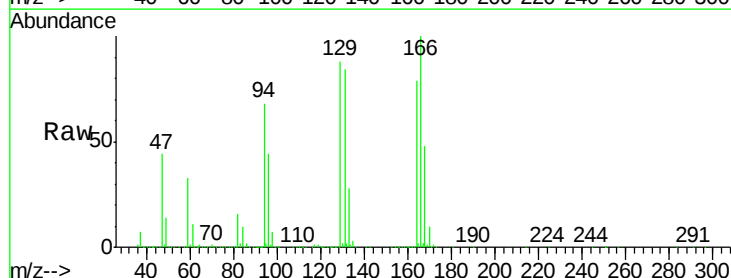
Ion	Ratio	Lower	Upper
43	100		
58	50.0	39.9	59.9
98	0.2	0.2	0.4#

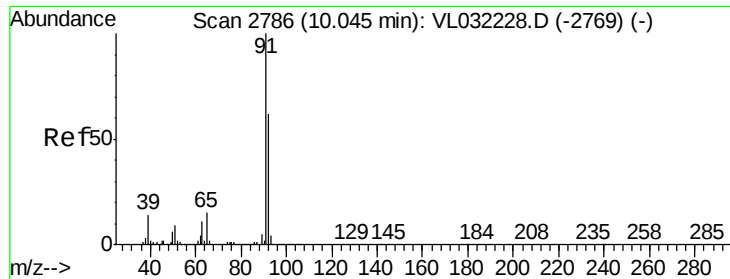


#52
Tetrachloroethene
Concen: 13.396 ppbv
RT: 11.48 min Scan# 3231
Delta R.T. 0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

Tgt Ion: 164 Resp: 1942169

Ion	Ratio	Lower	Upper
164	100		
166	127.2	99.3	148.9
129	112.2	92.0	138.0
131	107.3	83.8	125.8





#53

Toluene

Concen: 15.379 ppbv

RT: 10.04 min Scan# 2786

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

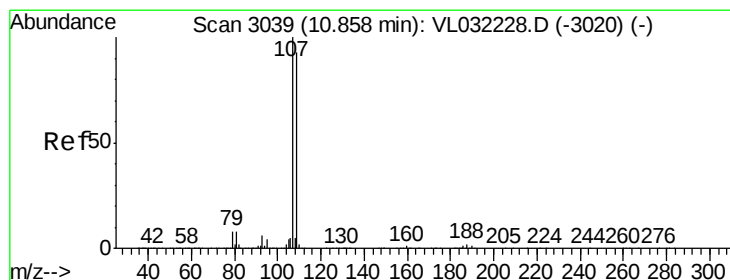
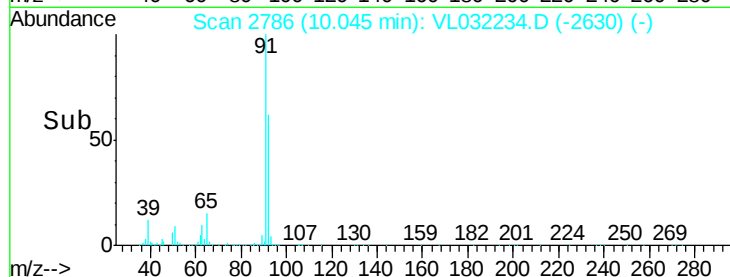
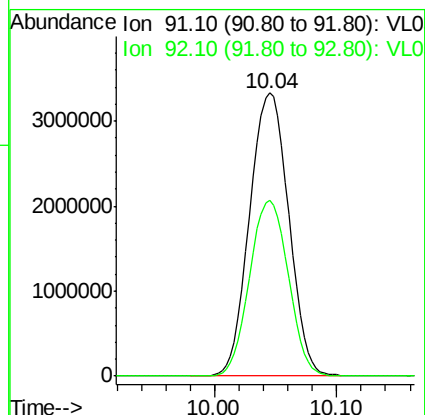
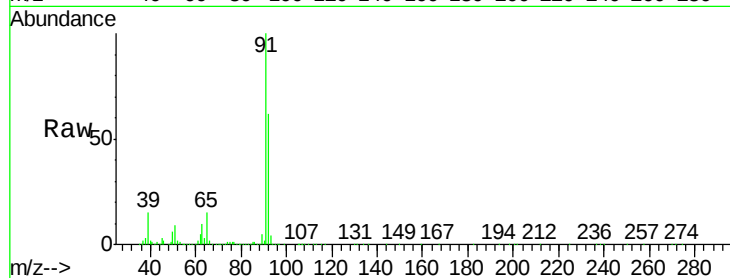
VSTDIC015

Tgt Ion: 91 Resp: 7386820

Ion Ratio Lower Upper

91 100

92 61.5 49.0 73.4



#54

1,2-Dibromoethane

Concen: 16.178 ppbv

RT: 10.86 min Scan# 3040

Delta R.T. 0.00 min

Lab File: VL032234.D

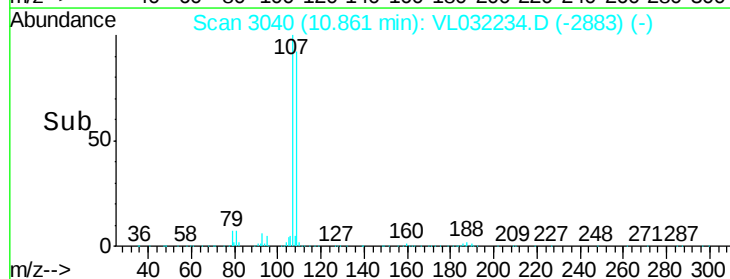
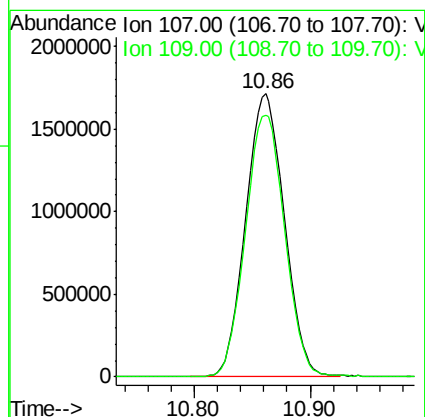
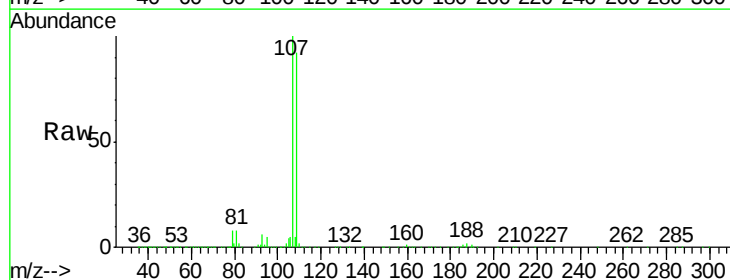
Acq: 12 Jul 2018 22:10

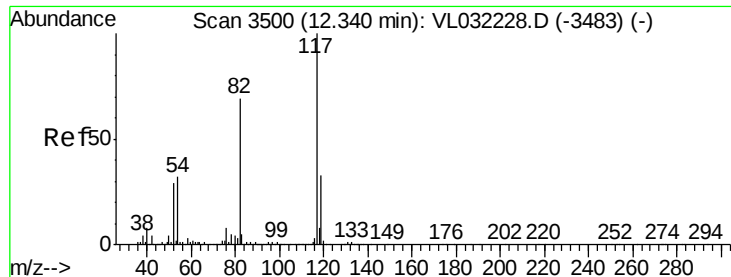
Tgt Ion: 107 Resp: 3984387

Ion Ratio Lower Upper

107 100

109 92.3 74.3 111.5

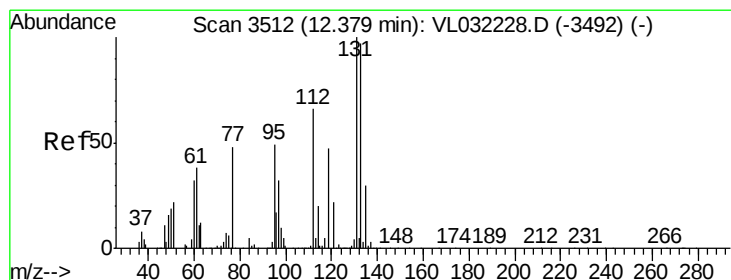
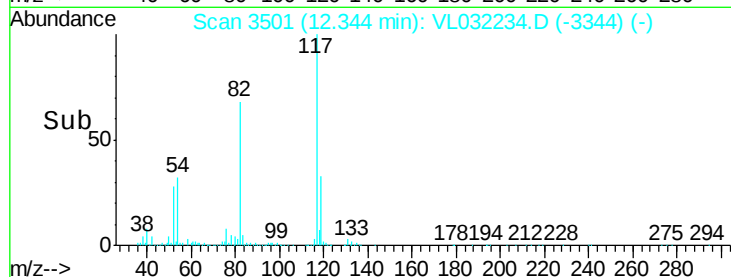
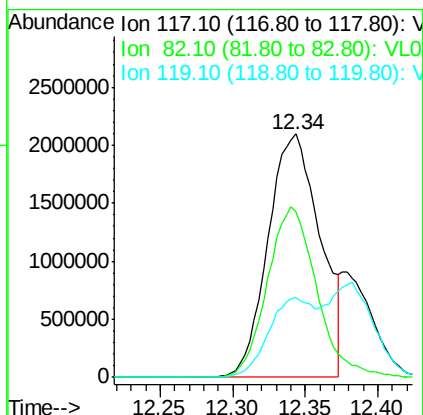
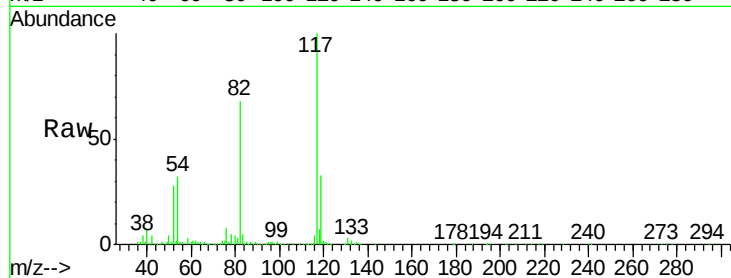




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3501
Delta R.T. 0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

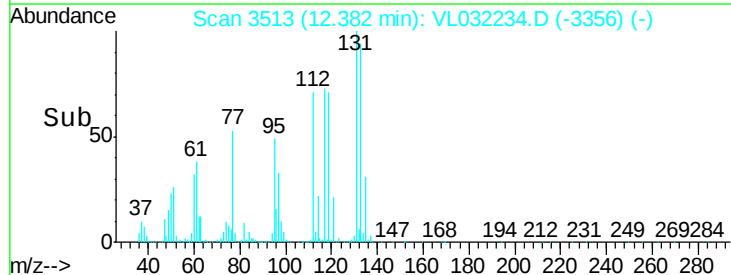
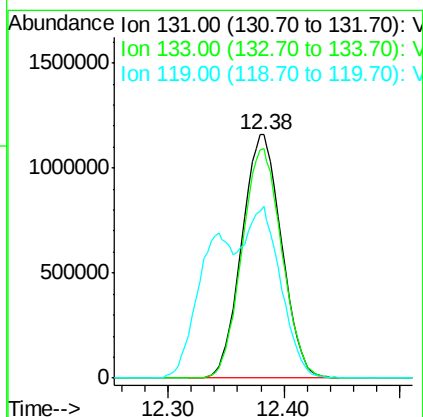
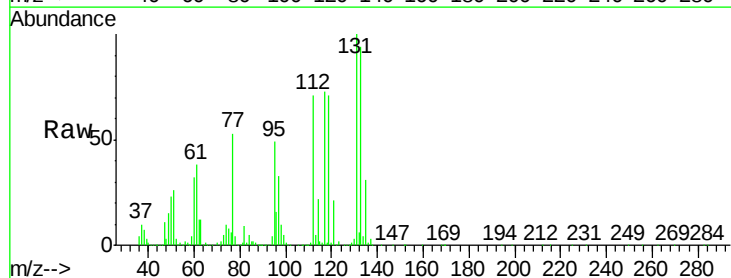
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

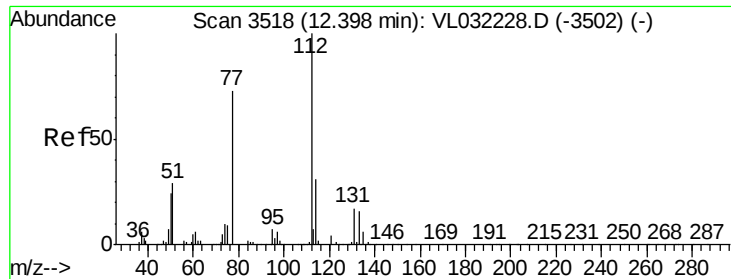
Tgt Ion:117 Resp: 5240156
Ion Ratio Lower Upper
117 100
82 66.5 53.2 79.8
119 0.0 43.9 65.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 11.823 ppbv
RT: 12.38 min Scan# 3513
Delta R.T. 0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

Tgt Ion:131 Resp: 2759623
Ion Ratio Lower Upper
131 100
133 94.8 75.2 112.8
119 121.4 113.9 170.9





#57

Chlorobenzene

Concen: 11.588 ppbv

RT: 12.40 min Scan# 3519

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

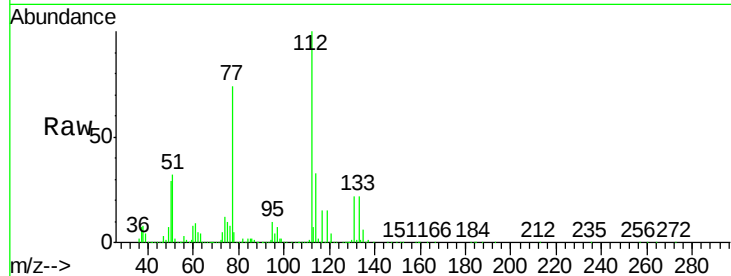
Tgt Ion: 112 Resp: 5234871

Ion Ratio Lower Upper

112 100

77 74.1 58.8 88.2

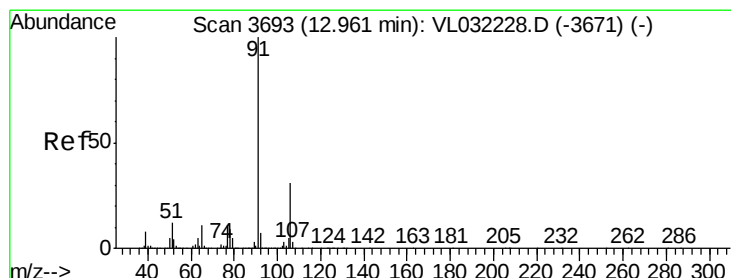
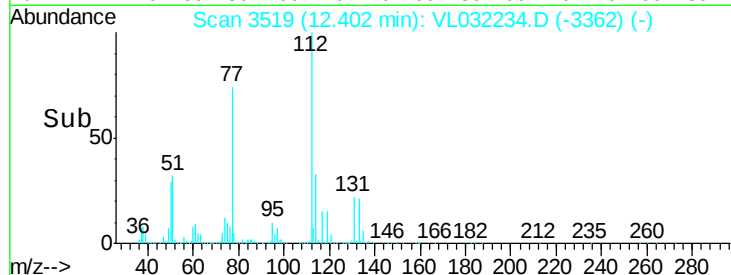
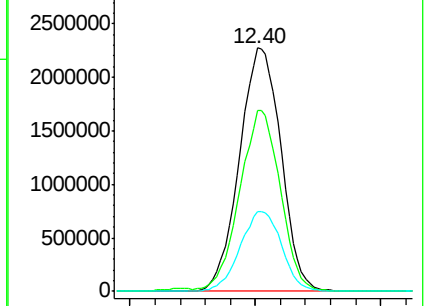
114 32.9 27.9 34.1



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: 11.792 ppbv

RT: 12.96 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VL032234.D

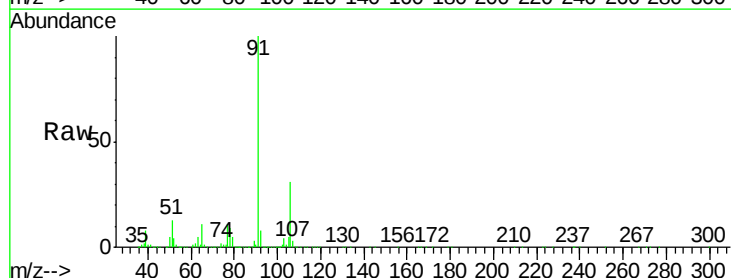
Acq: 12 Jul 2018 22:10

Tgt Ion: 91 Resp: 9932694

Ion Ratio Lower Upper

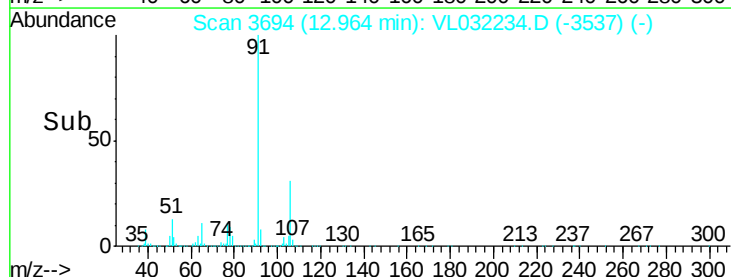
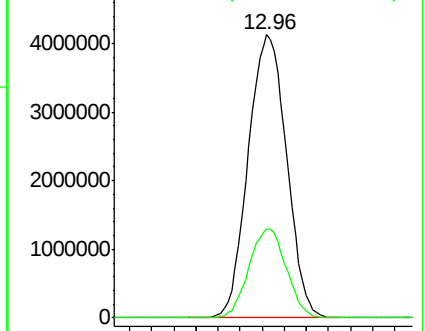
91 100

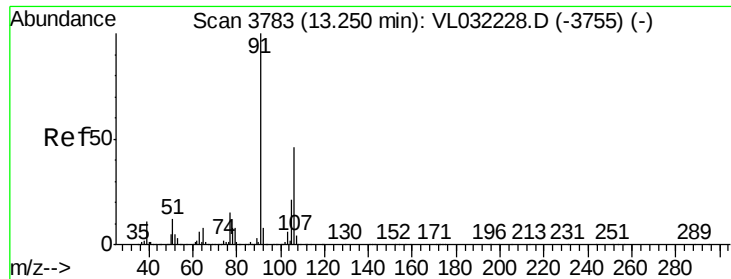
106 31.3 24.5 36.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

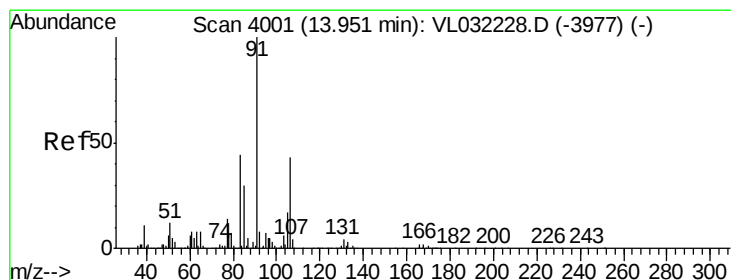
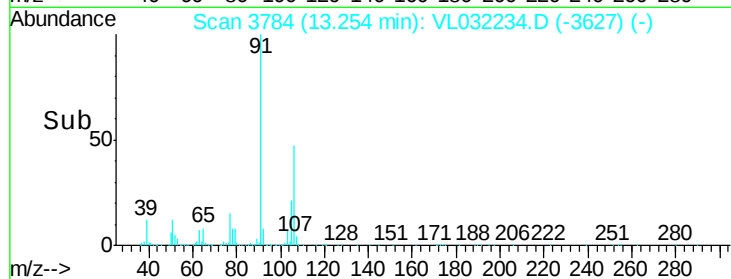
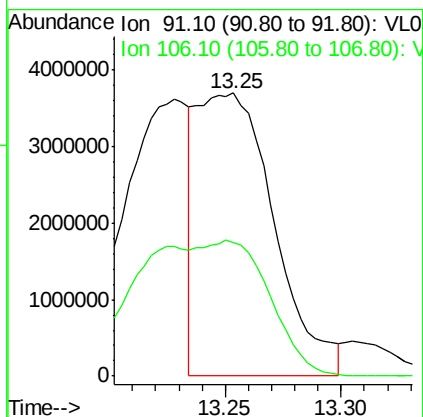
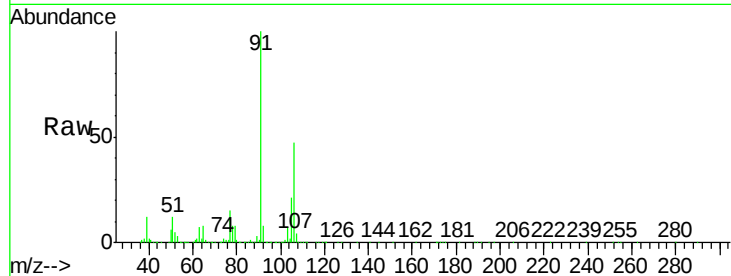




#59
m/p-Xylene
Concen: 12.549 ppbv
RT: 13.25 min Scan# 3784
Delta R.T. 0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

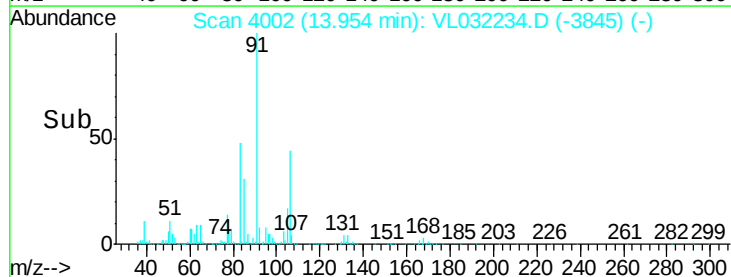
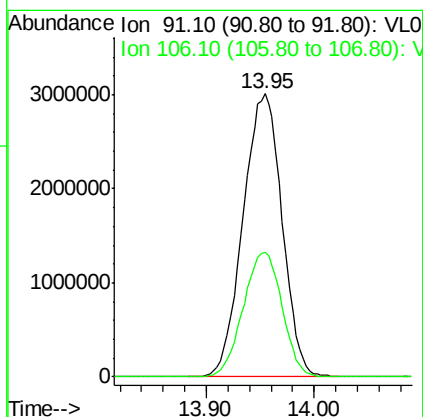
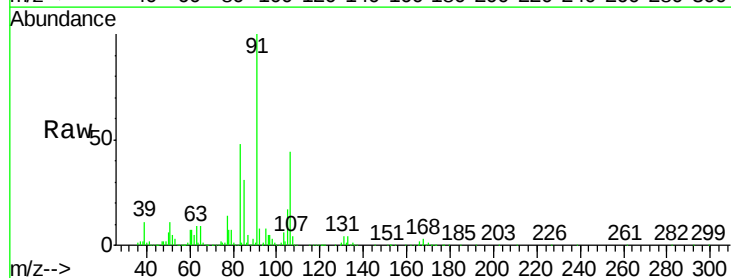
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

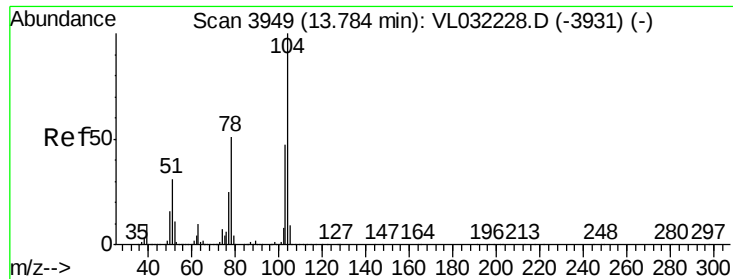
Tgt Ion: 91 Resp: 8484742
Ion Ratio Lower Upper
91 100
106 84.2 36.4 54.6#



#60
o-Xylene
Concen: 11.221 ppbv
RT: 13.95 min Scan# 4002
Delta R.T. 0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

Tgt Ion: 91 Resp: 7549169
Ion Ratio Lower Upper
91 100
106 44.0 21.9 65.5





#61

Styrene

Concen: 11.803 ppbv

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

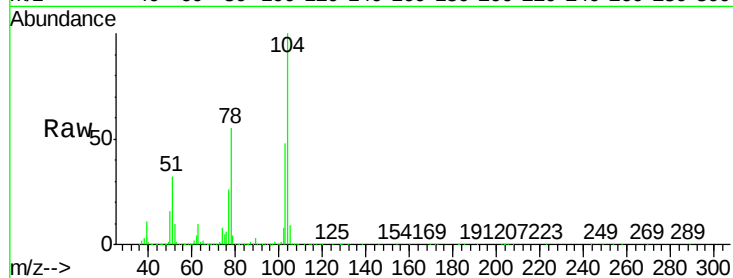
Tgt Ion:104 Resp: 6431414

Ion Ratio Lower Upper

104 100

78 54.1 43.4 65.0

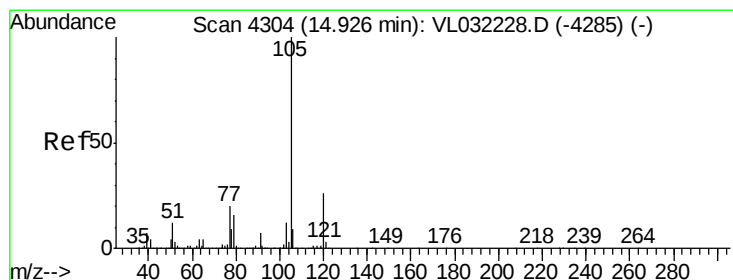
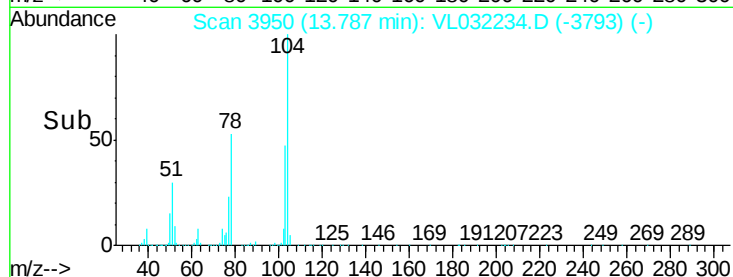
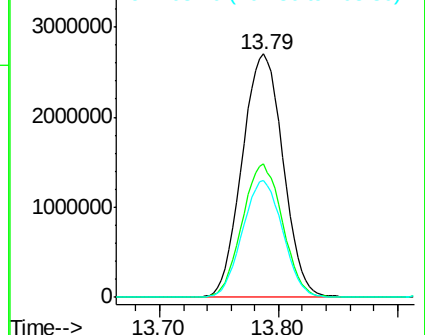
103 47.3 38.0 57.0



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: 10.351 ppbv

RT: 14.93 min Scan# 4305

Delta R.T. 0.00 min

Lab File: VL032234.D

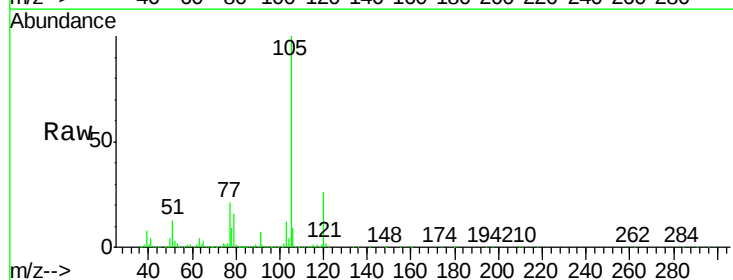
Acq: 12 Jul 2018 22:10

Tgt Ion:105 Resp:10622673

Ion Ratio Lower Upper

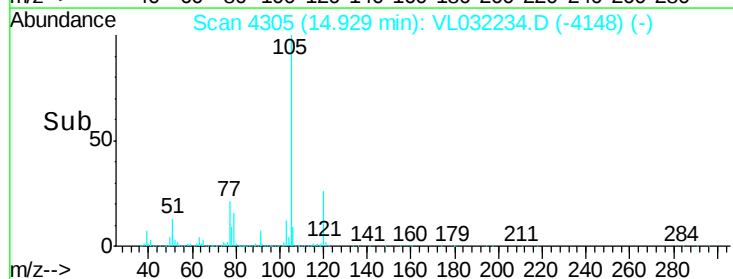
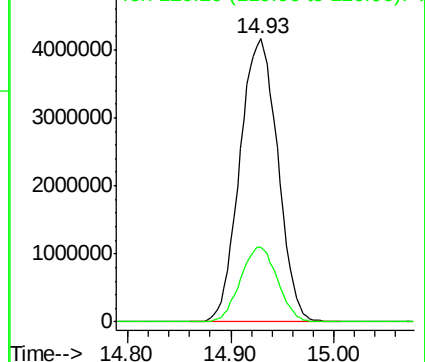
105 100

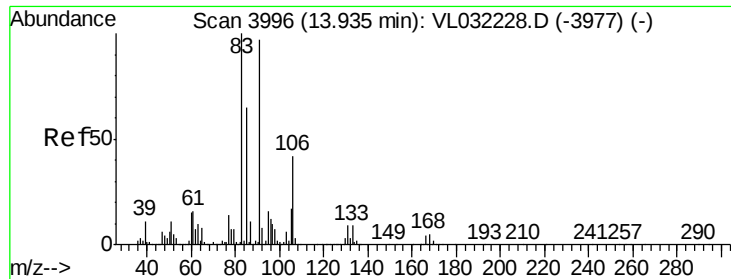
120 25.9 20.2 30.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

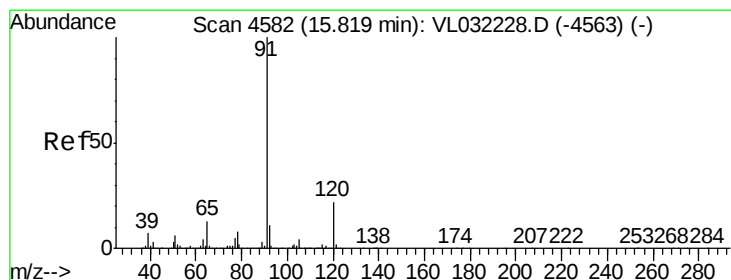
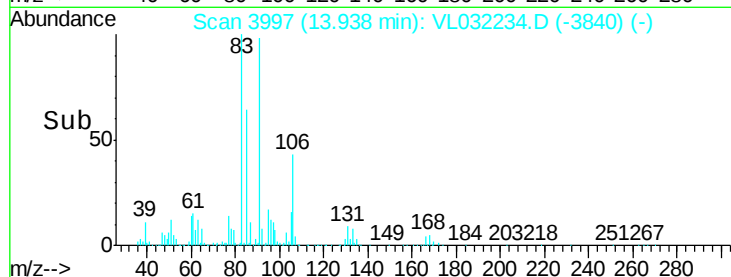
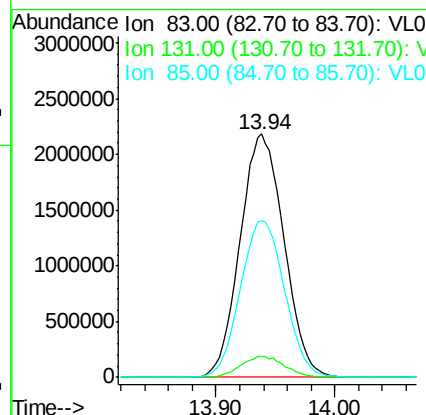
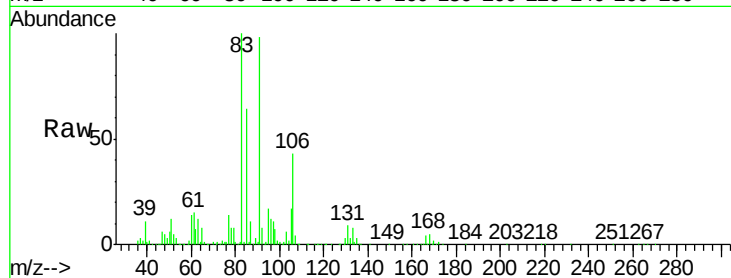




#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.615 ppbv
 RT: 13.94 min Scan# 3997
 Delta R.T. 0.00 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

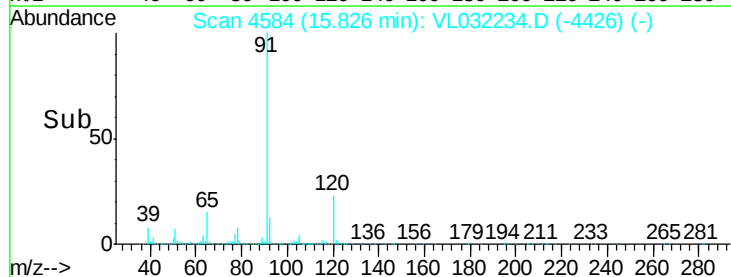
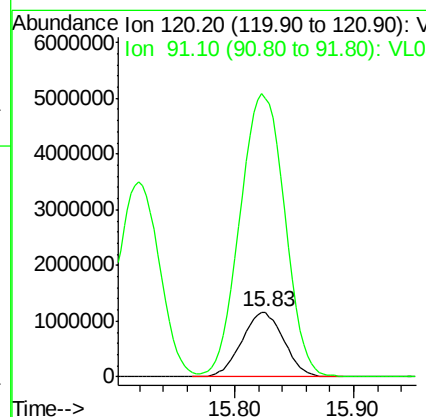
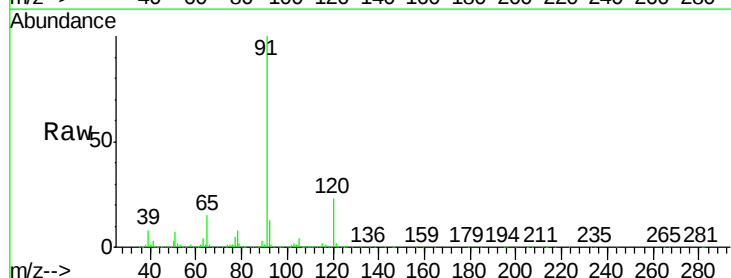
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

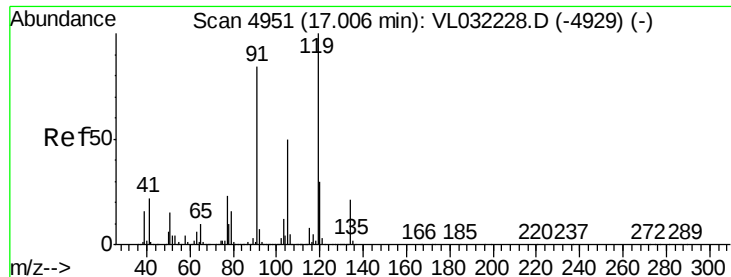
Tgt Ion: 83 Resp: 5569045
 Ion Ratio Lower Upper
 83 100
 131 8.6 4.3 12.8
 85 65.0 32.5 97.5



#64
 n-propylbenzene
 Concen: 10.630 ppbv
 RT: 15.83 min Scan# 4584
 Delta R.T. 0.01 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

Tgt Ion: 120 Resp: 2828970
 Ion Ratio Lower Upper
 120 100
 91 469.2 385.0 577.4





#65

tert-Butylbenzene

Concen: 9.473 ppbv

RT: 17.01 min Scan# 4952

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

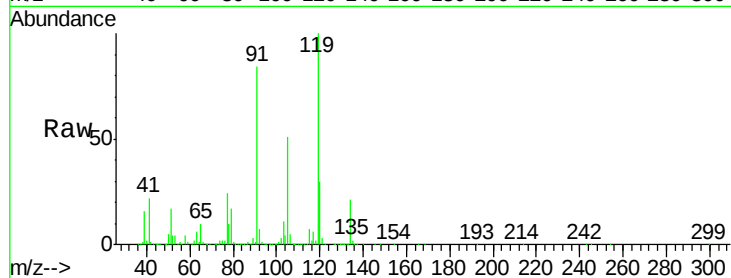
Tgt Ion: 119 Resp: 8529142

Ion Ratio Lower Upper

119 100

91 85.7 68.6 102.8

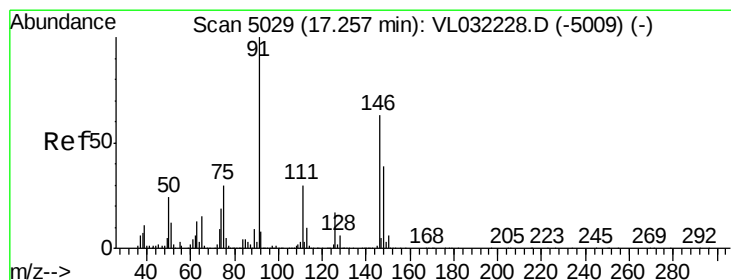
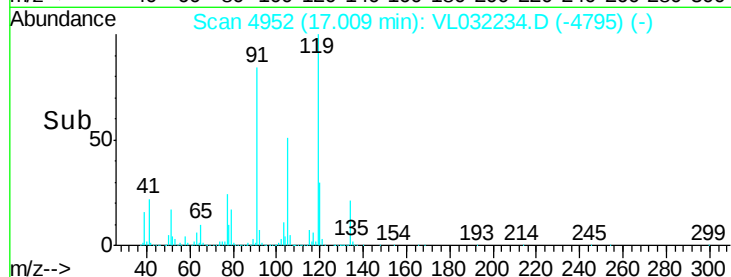
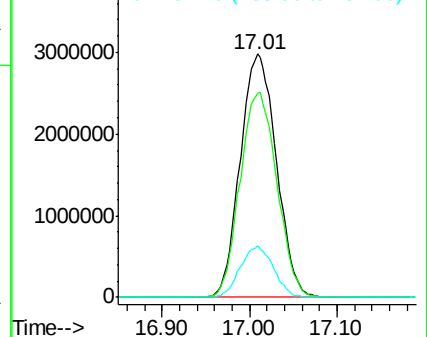
134 19.4 15.4 23.2



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: 10.845 ppbv

RT: 17.26 min Scan# 5030

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

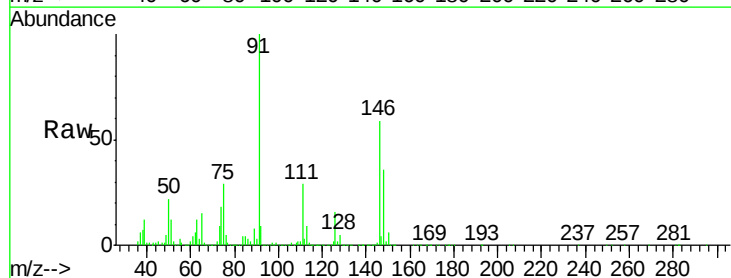
Tgt Ion: 91 Resp: 5915752

Ion Ratio Lower Upper

91 100

126 16.7 13.4 20.0

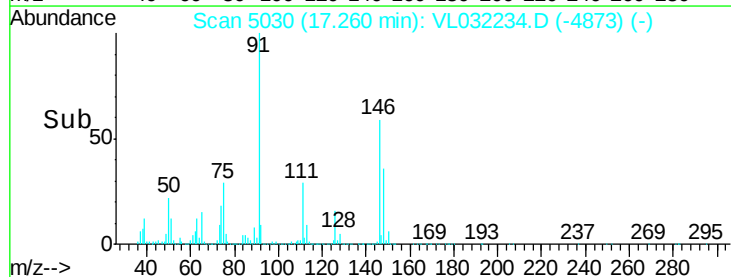
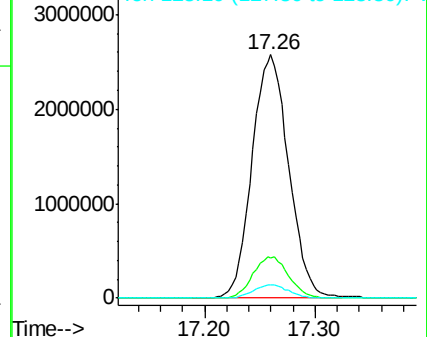
128 5.3 4.5 6.7

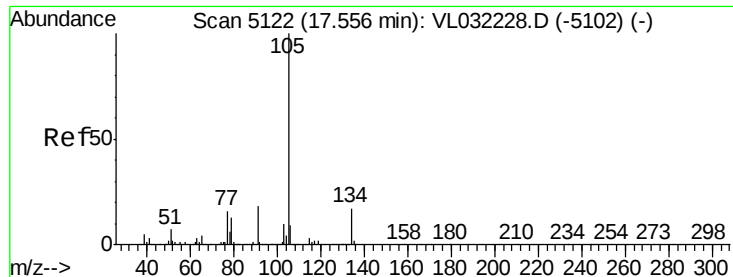


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

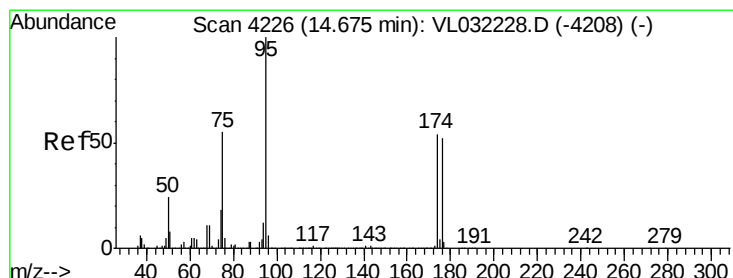
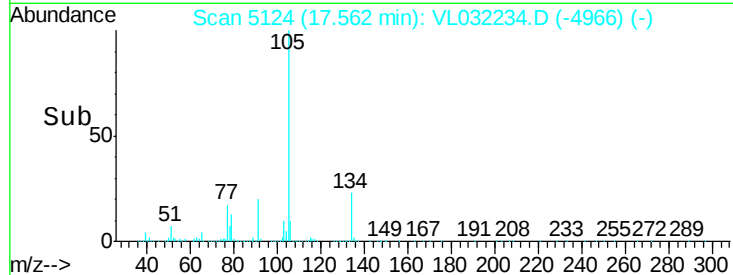
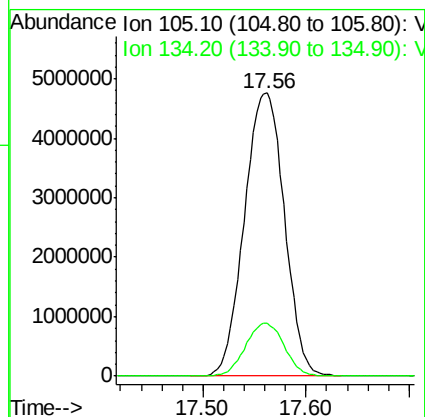
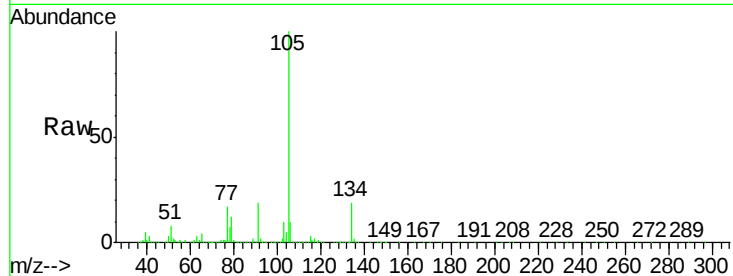




#67
 sec-Butylbenzene
 Concen: 9.706 ppbv
 RT: 17.56 min Scan# 5124
 Delta R.T. 0.01 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

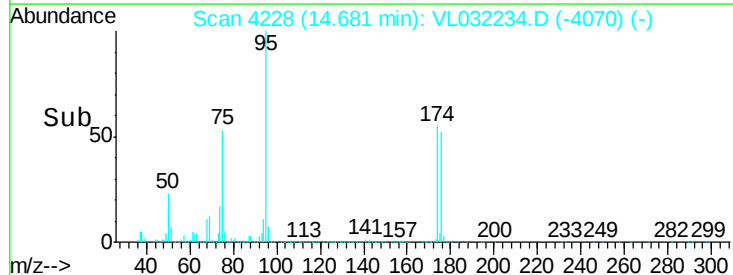
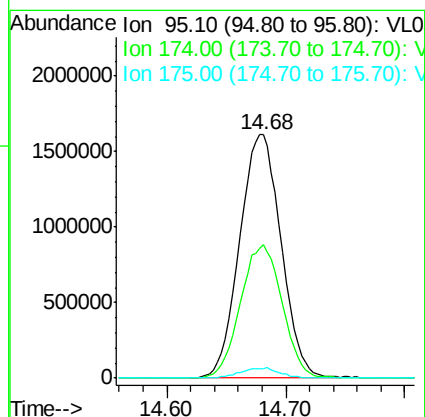
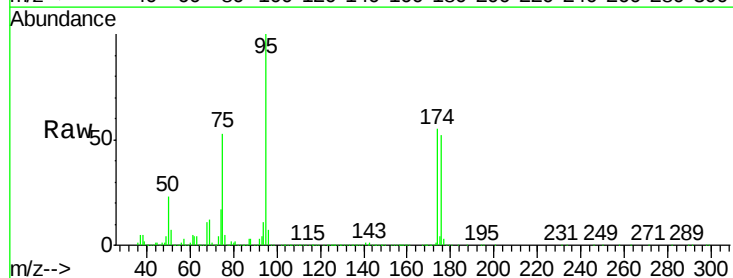
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

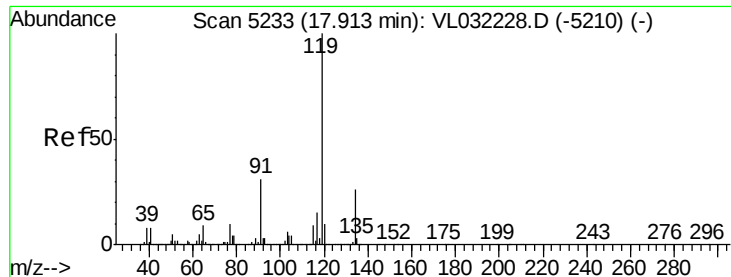
Tgt Ion: 105 Resp: 12830291
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.2 21.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.664 ppbv
 RT: 14.68 min Scan# 4228
 Delta R.T. 0.01 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

Tgt Ion: 95 Resp: 3887764
 Ion Ratio Lower Upper
 95 100
 174 55.3 44.6 67.0
 175 4.0 3.3 4.9

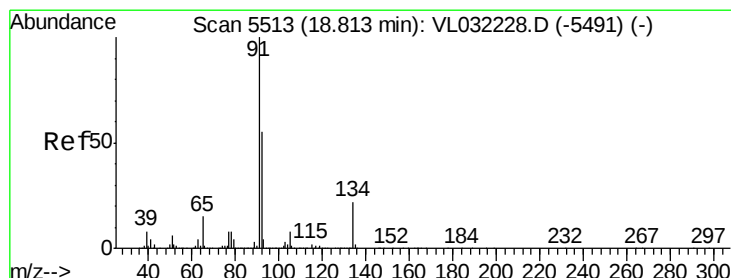
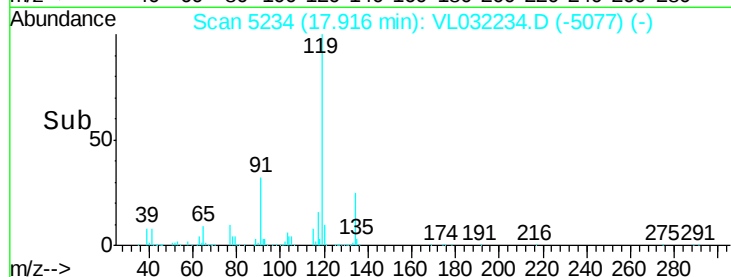
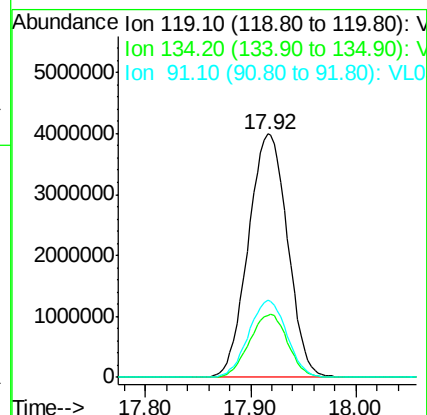
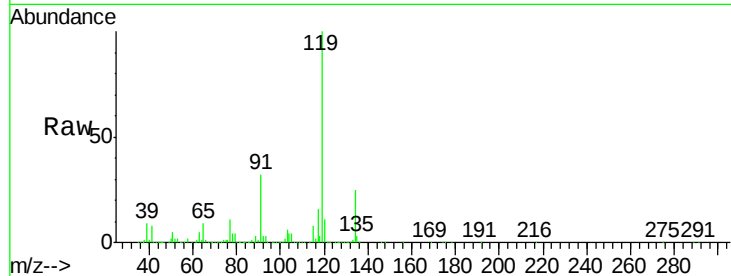




#69
p-Isopropyltoluene
Concen: 9.795 ppbv
RT: 17.92 min Scan# 5234
Delta R.T. 0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

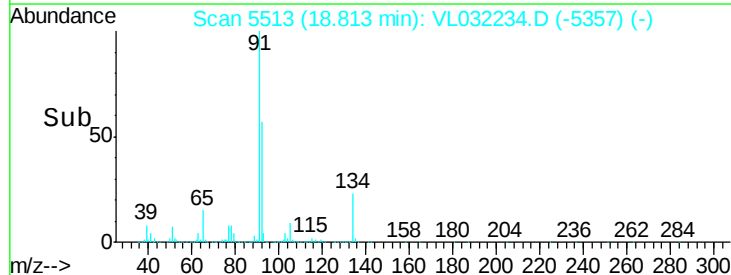
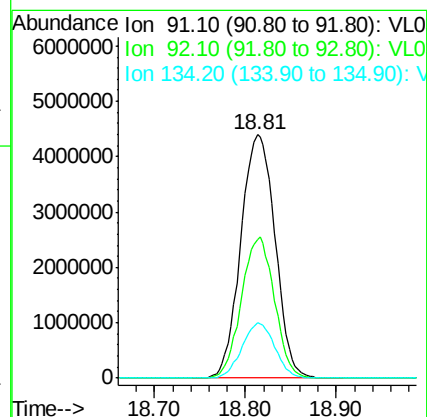
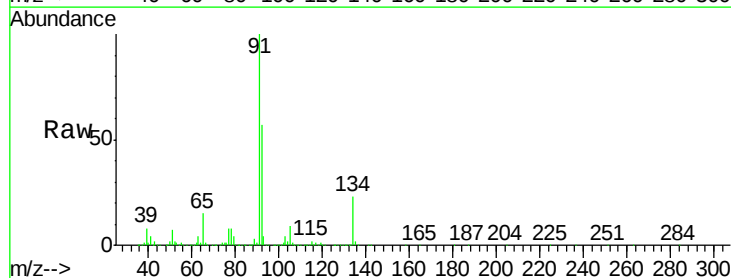
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

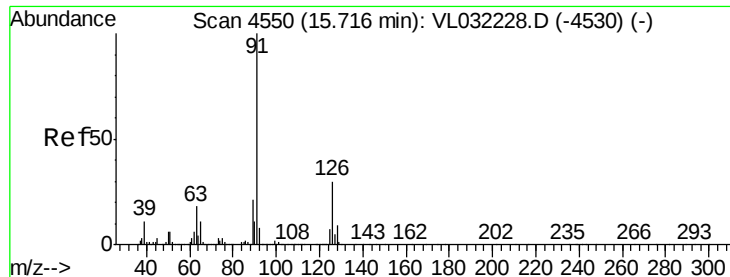
Tgt Ion:119 Resp:10333905
Ion Ratio Lower Upper
119 100
134 25.4 20.1 30.1
91 30.9 24.2 36.2



#70
n-Butylbenzene
Concen: 10.327 ppbv
RT: 18.81 min Scan# 5513
Delta R.T. 0.00 min
Lab File: VL032234.D
Acq: 12 Jul 2018 22:10

Tgt Ion: 91 Resp:11491146
Ion Ratio Lower Upper
91 100
92 55.8 43.6 65.4
134 21.7 17.1 25.7





#71

2-Chlorotoluene

Concen: 10.918 ppbv

RT: 15.72 min Scan# 4551

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

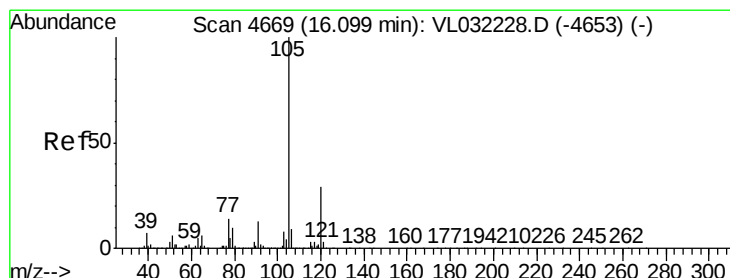
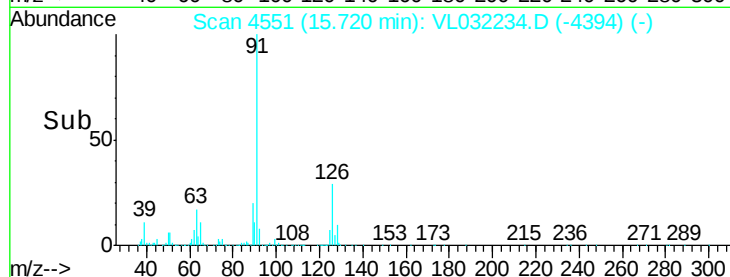
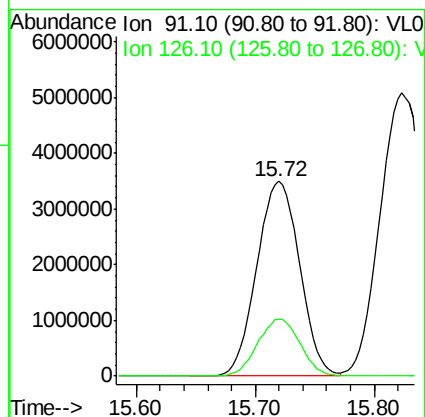
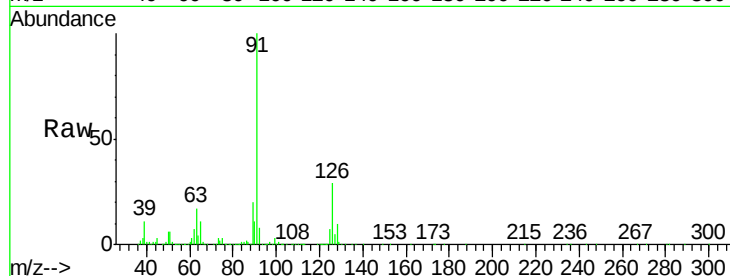
VSTDIC015

Tgt Ion: 91 Resp: 8714066

Ion Ratio Lower Upper

91 100

126 29.0 11.7 46.7



#72

4-Ethyltoluene

Concen: 10.609 ppbv

RT: 16.10 min Scan# 4669

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Tgt Ion: 105 Resp: 9169641

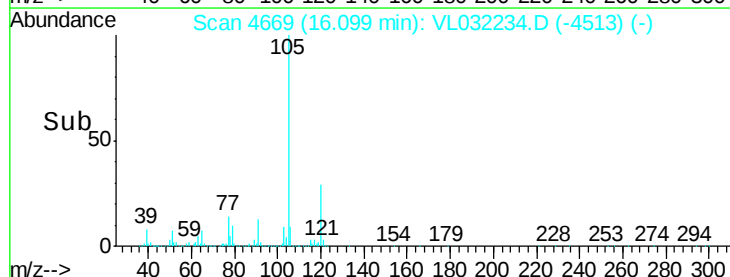
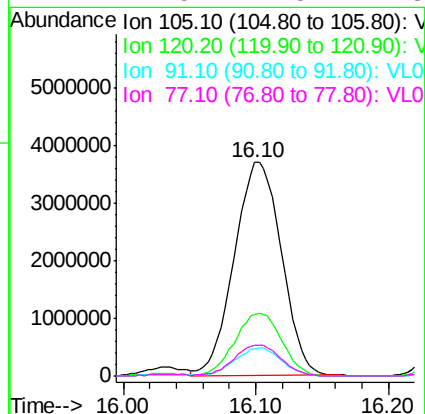
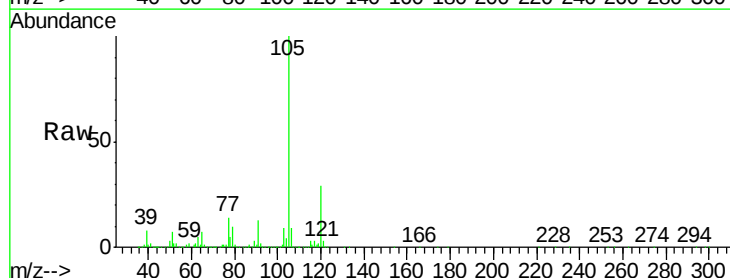
Ion Ratio Lower Upper

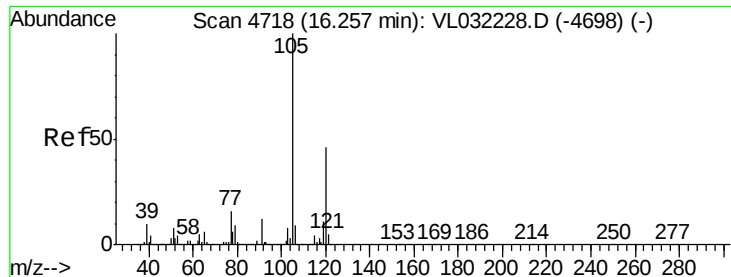
105 100

120 29.4 23.3 34.9

91 12.8 10.3 15.5

77 14.5 11.5 17.3

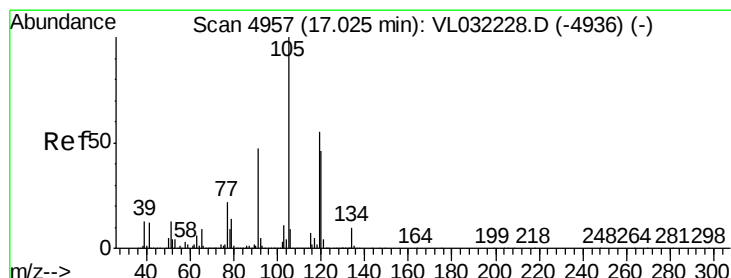
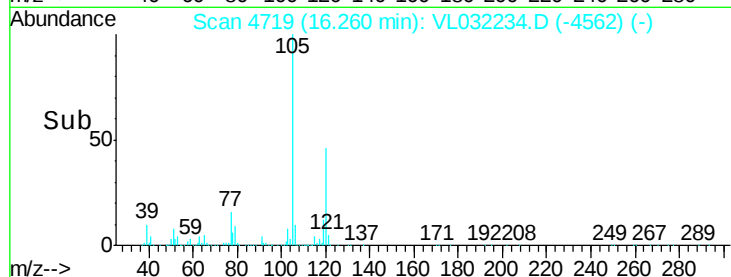
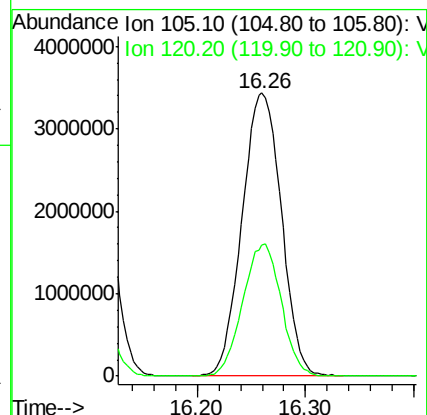
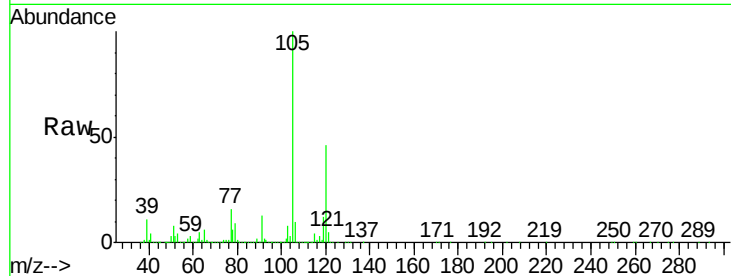




#73
 1,3,5-Trimethylbenzene
 Concen: 10.656 ppbv
 RT: 16.26 min Scan# 4719
 Delta R.T. 0.00 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

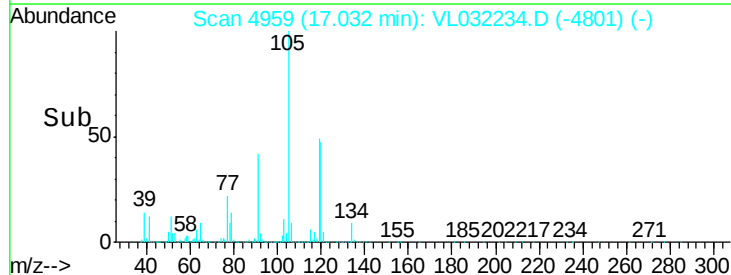
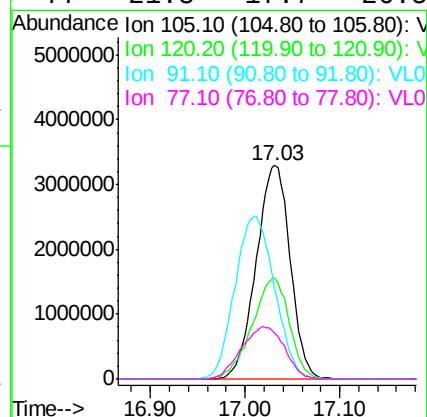
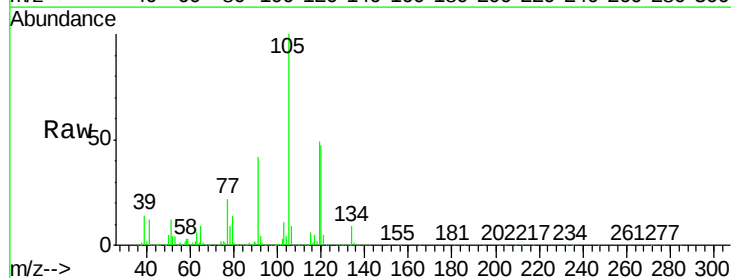
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

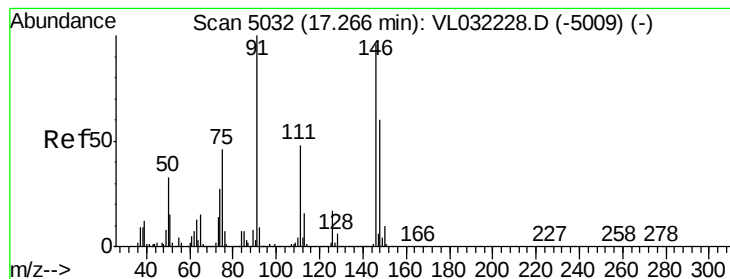
Tgt Ion:105 Resp: 8676872
 Ion Ratio Lower Upper
 105 100
 120 46.1 36.6 54.8



#74
 1,2,4-Trimethylbenzene
 Concen: 9.997 ppbv
 RT: 17.03 min Scan# 4959
 Delta R.T. 0.01 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

Tgt Ion:105 Resp: 8221332
 Ion Ratio Lower Upper
 105 100
 120 47.1 37.0 55.4
 91 42.3 38.2 57.2
 77 21.8 17.7 26.5





#75

1,3-Dichlorobenzene

Concen: 9.926 ppbv

RT: 17.27 min Scan# 5034

Delta R.T. 0.01 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

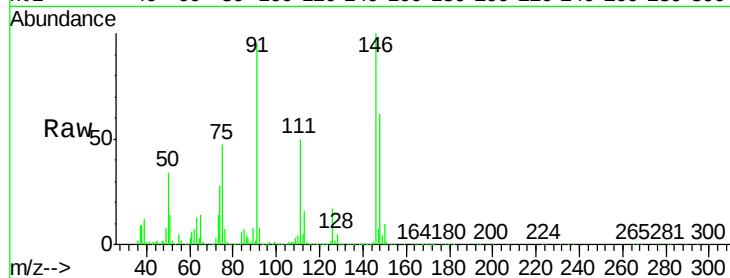
Tgt Ion:146 Resp: 4618848

Ion Ratio Lower Upper

146 100

111 50.0 24.9 74.7

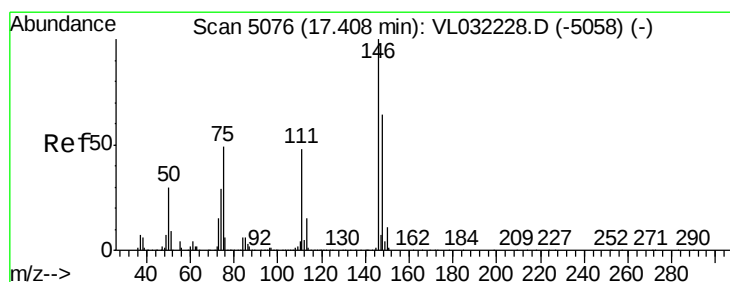
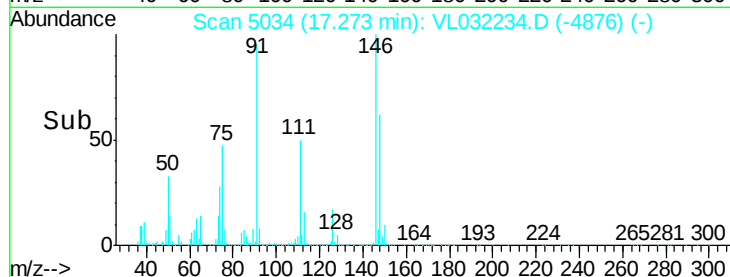
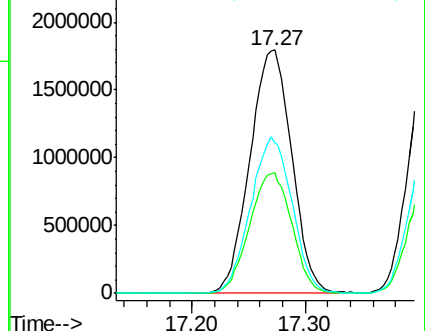
148 63.7 31.9 95.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.328 ppbv

RT: 17.41 min Scan# 5077

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

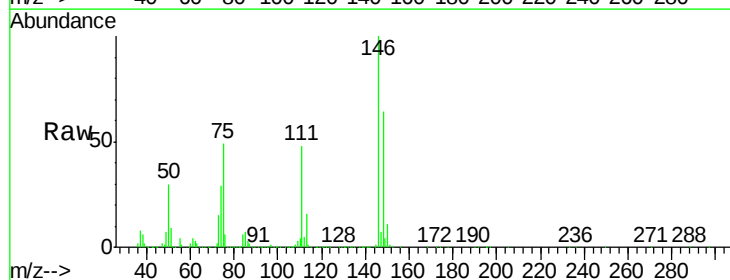
Tgt Ion:146 Resp: 4855775

Ion Ratio Lower Upper

146 100

111 48.6 24.6 73.6

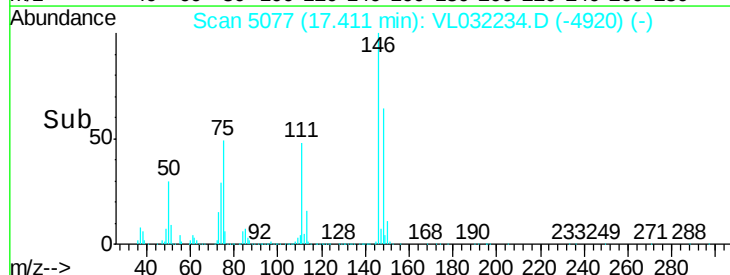
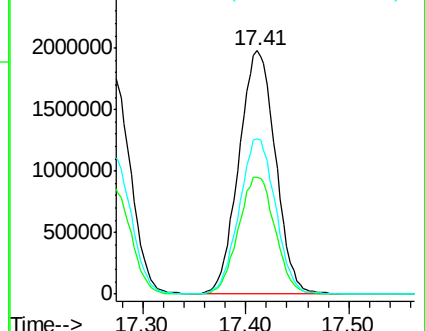
148 63.5 32.3 96.9

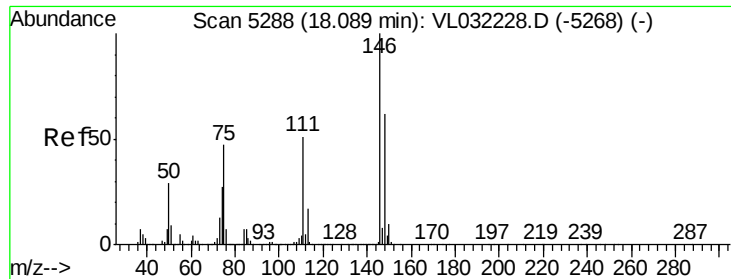


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

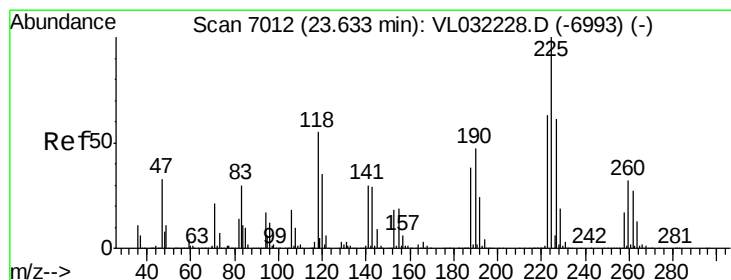
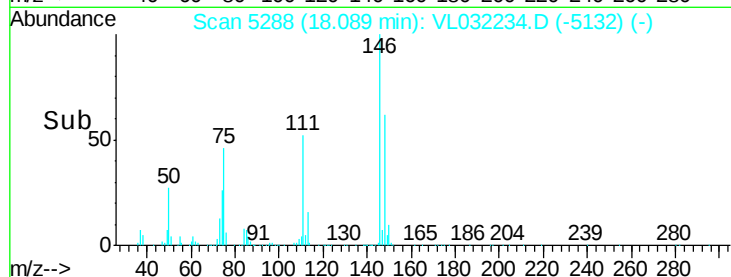
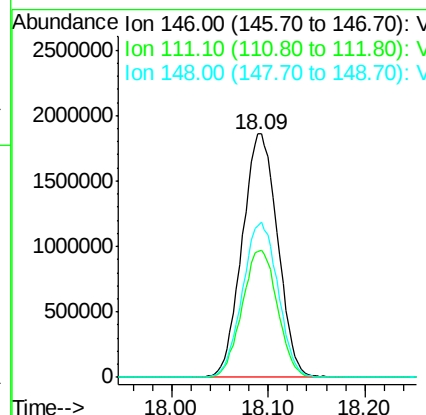
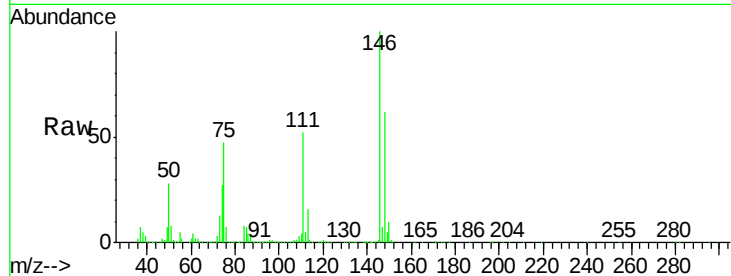




#77
 1,2-Dichlorobenzene
 Concen: 10.228 ppbv
 RT: 18.09 min Scan# 5288
 Delta R.T. 0.00 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

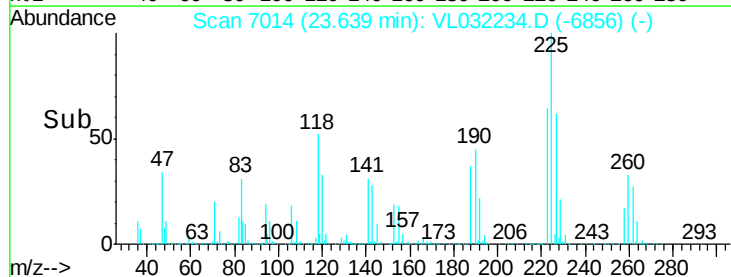
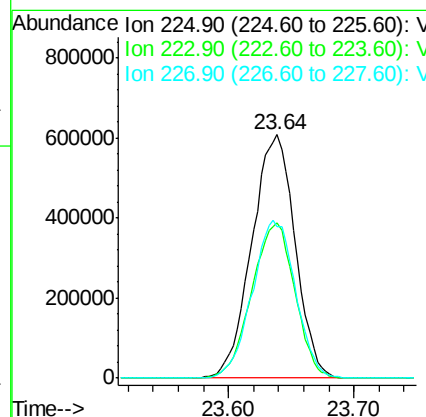
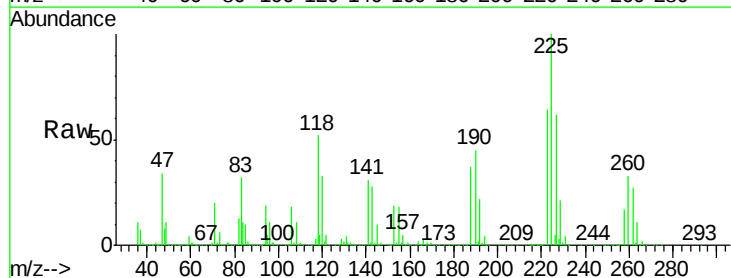
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

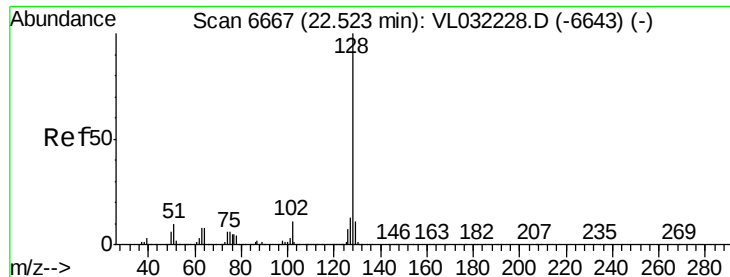
Tgt Ion:146 Resp: 4738888
 Ion Ratio Lower Upper
 146 100
 111 52.1 26.1 78.3
 148 63.7 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.222 ppbv
 RT: 23.64 min Scan# 7014
 Delta R.T. 0.01 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

Tgt Ion:225 Resp: 1458416
 Ion Ratio Lower Upper
 225 100
 223 63.7 50.3 75.5
 227 64.9 50.9 76.3





#79

Naphthalene

Concen: 12.229 ppbv

RT: 22.53 min Scan# 6669

Delta R.T. 0.01 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

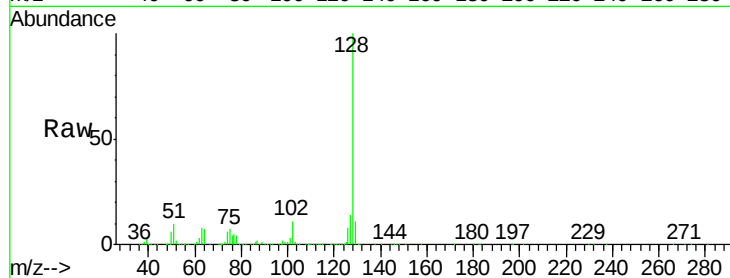
Tgt Ion:128 Resp: 8983298

Ion Ratio Lower Upper

128 100

127 13.8 10.0 15.0

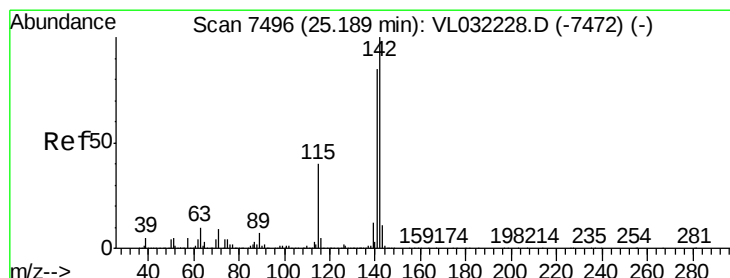
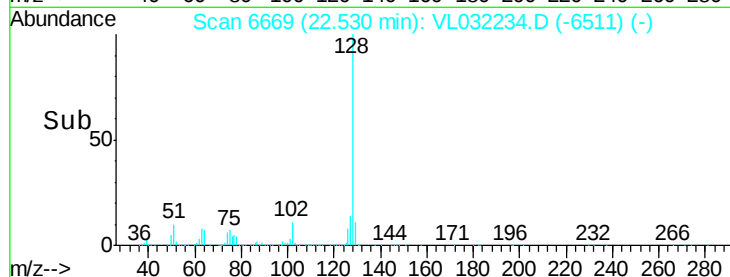
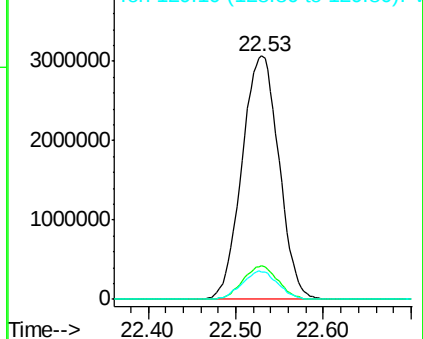
129 11.5 9.0 13.4



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: 18.025 ppbv

RT: 25.19 min Scan# 7496

Delta R.T. 0.00 min

Lab File: VL032234.D

Acq: 12 Jul 2018 22:10

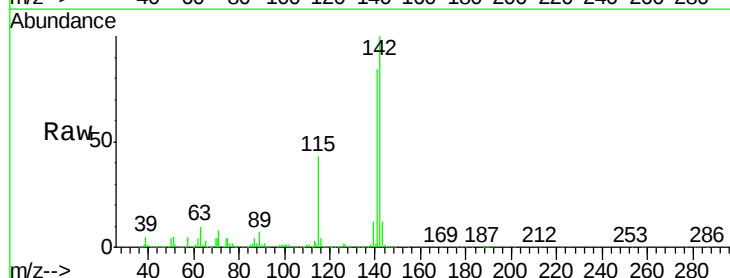
Tgt Ion:142 Resp: 4679788

Ion Ratio Lower Upper

142 100

141 84.4 67.0 100.6

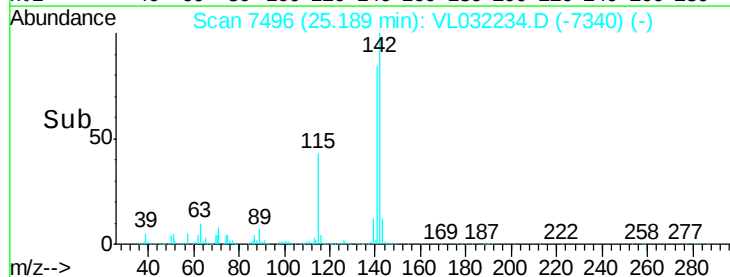
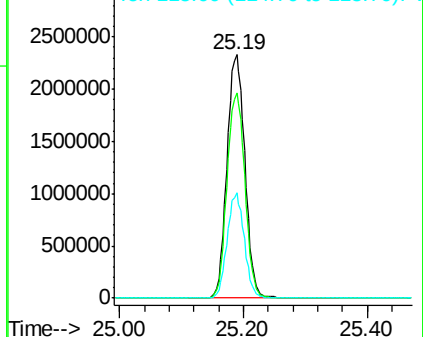
115 41.3 32.6 49.0

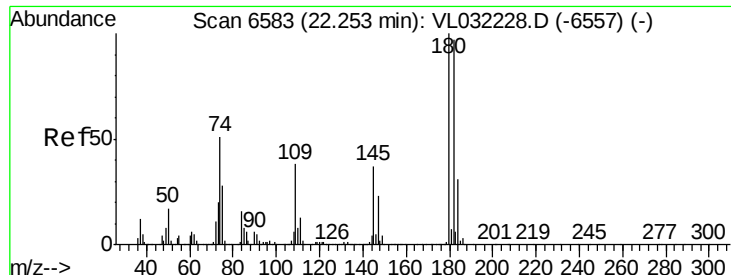


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 11.940 ppbv
 RT: 22.25 min Scan# 6583
 Delta R.T. 0.00 min
 Lab File: VL032234.D
 Acq: 12 Jul 2018 22:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 3943714
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.1 114.1
 184 30.4 24.2 36.4

