

Data File : VL032876.D
Acq On : 4 Dec 2018 13:20
Operator : SY/AP
Sample : VL1204ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

Quant Time: Dec 05 05:46:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1357241	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3603914	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3808329	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2664839	9.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1022354	5.240	ppbv	98
3) Chlorodifluoromethane	3.02	51	950258	8.831	ppbv	98
4) Chloromethane	3.18	50	499149	8.366	ppbv	98
5) Vinyl Chloride	3.30	62	517611	8.187	ppbv	99
6) Bromomethane	3.52	94	351955	9.100	ppbv	96
7) Chloroethane	3.61	64	199574	8.758	ppbv	93
8) Dichlorotetrafluoroethane	3.23	85	1348034	8.768	ppbv	99
9) Propene	3.04	41	368846	8.566	ppbv	98
10) Heptane	8.26	43	1583262	9.631	ppbv	100
11) Trichlorofluoromethane	4.01	101	1576616	8.575	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1616660	10.765	ppbv	97
13) Ethanol	3.65	45	93986	6.664	ppbv	96
14) Bromoethene	3.80	108	470059	9.434	ppbv	99
15) Acetone	3.91	43	995461	8.031	ppbv	99
16) 1,3-Butadiene	3.37	39	445650	9.284	ppbv	96
17) tert-Butyl alcohol	4.36	59	454427	11.690	ppbv	99
18) 1,1-Dichloroethene	4.36	96	727055	9.845	ppbv	97
19) Isopropyl Alcohol	4.03	45	756476	9.162	ppbv	100
20) Methylene Chloride	4.42	84	636164	9.914	ppbv	96
21) Allyl Chloride	4.48	41	1139070	10.936	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	743681	10.313	ppbv	98
23) Vinyl Acetate	5.16	43	2211276	9.787	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1801193	10.027	ppbv	99
25) Ethyl Acetate	5.78	43	2658940	9.204	ppbv	99
26) Hexane	5.79	57	1215619	9.453	ppbv	99
27) Carbon Disulfide	4.63	76	1862547	11.422	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2226690	10.858	ppbv	100
29) Chloroform	5.86	83	2105692	9.187	ppbv	97
30) Cyclohexane	7.25	84	1122174	9.977	ppbv	97
31) cis-1,2-Dichloroethene	5.65	61	1272957	9.846	ppbv	97
32) 1,1,1-Trichloroethane	6.63	97	2320979	9.239	ppbv	99
34) 2-Butanone	5.34	43	1657190	8.866	ppbv	100
35) Carbon Tetrachloride	7.14	117	2536409	8.755	ppbv	98
36) Benzene	7.01	78	2599687	9.059	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1750083	9.059	ppbv	100
38) Trichloroethene	7.97	130	1115986	9.609	ppbv	99
39) 1,2-Dichloropropane	7.75	63	973964	8.907	ppbv	96
40) 1,4-Dioxane	7.97	88	347932	8.909	ppbv	100
41) Tetrahydrofuran	6.16	42	1020066	9.514	ppbv	100
42) Bromodichloromethane	7.93	83	2428515	9.273	ppbv	98
43) Methyl Methacrylate	8.15	69	1045535	9.759	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4411731	9.199	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1482255	10.310	ppbv	100
46) cis-1,3-Dichloropropene	8.85	75	1693028	9.747	ppbv	99
47) 1,1,2-Trichloroethane	9.63	97	1128950	8.732	ppbv	94
48) Dibromochloromethane	10.46	129	2112900	9.615	ppbv	99
49) Bromoform	13.21	173	1872097	10.315	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	2702532	9.257	ppbv	100
51) 2-Hexanone	10.28	43	1938858	10.308	ppbv #	99
52) Tetrachloroethene	11.39	164	973877	9.755	ppbv	99
53) Toluene	9.96	91	3337879	11.149	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1776571	9.720	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1641856	9.243	ppbv	98
57) Chlorobenzene	12.32	112	2618245	8.981	ppbv	98
58) Ethyl Benzene	12.88	91	4275842	9.329	ppbv	100
59) m/p-Xylene	13.14	91	3698644	9.065	ppbv #	31
60) o-Xylene	13.86	91	3561655	8.682	ppbv	100
61) Styrene	13.70	104	2599950	9.735	ppbv	99
62) Isopropylbenzene	14.84	105	5079617	9.160	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2436070	7.617	ppbv	99
64) n-propylbenzene	15.73	120	1299943	8.913	ppbv	97
65) tert-Butylbenzene	16.92	119	4542861	9.139	ppbv	99
66) Benzyl Chloride	17.17	91	2572177	9.360	ppbv	99
67) sec-Butylbenzene	17.47	105	6278097	8.764	ppbv	99
69) p-Isopropyltoluene	17.83	119	5151291	9.044	ppbv	99
70) n-Butylbenzene	18.73	91	5094453	8.808	ppbv	100
71) 2-Chlorotoluene	15.63	91	3726704	9.012	ppbv	98
72) 4-Ethyltoluene	16.02	105	4078768	9.071	ppbv	98
73) 1,3,5-Trimethylbenzene	16.17	105	3945494	8.974	ppbv	97
74) 1,2,4-Trimethylbenzene	16.94	105	3992330	8.486	ppbv	97
75) 1,3-Dichlorobenzene	17.18	146	2230846	8.266	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2194653	8.706	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2176899	8.719	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	407129	3.022	ppbv #	12
79) Naphthalene	22.43	128	2922358	9.455	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	792897	10.243	ppbv	98
81) 1,2,4-Trichlorobenzene	22.15	180	1505853	9.702	ppbv	99

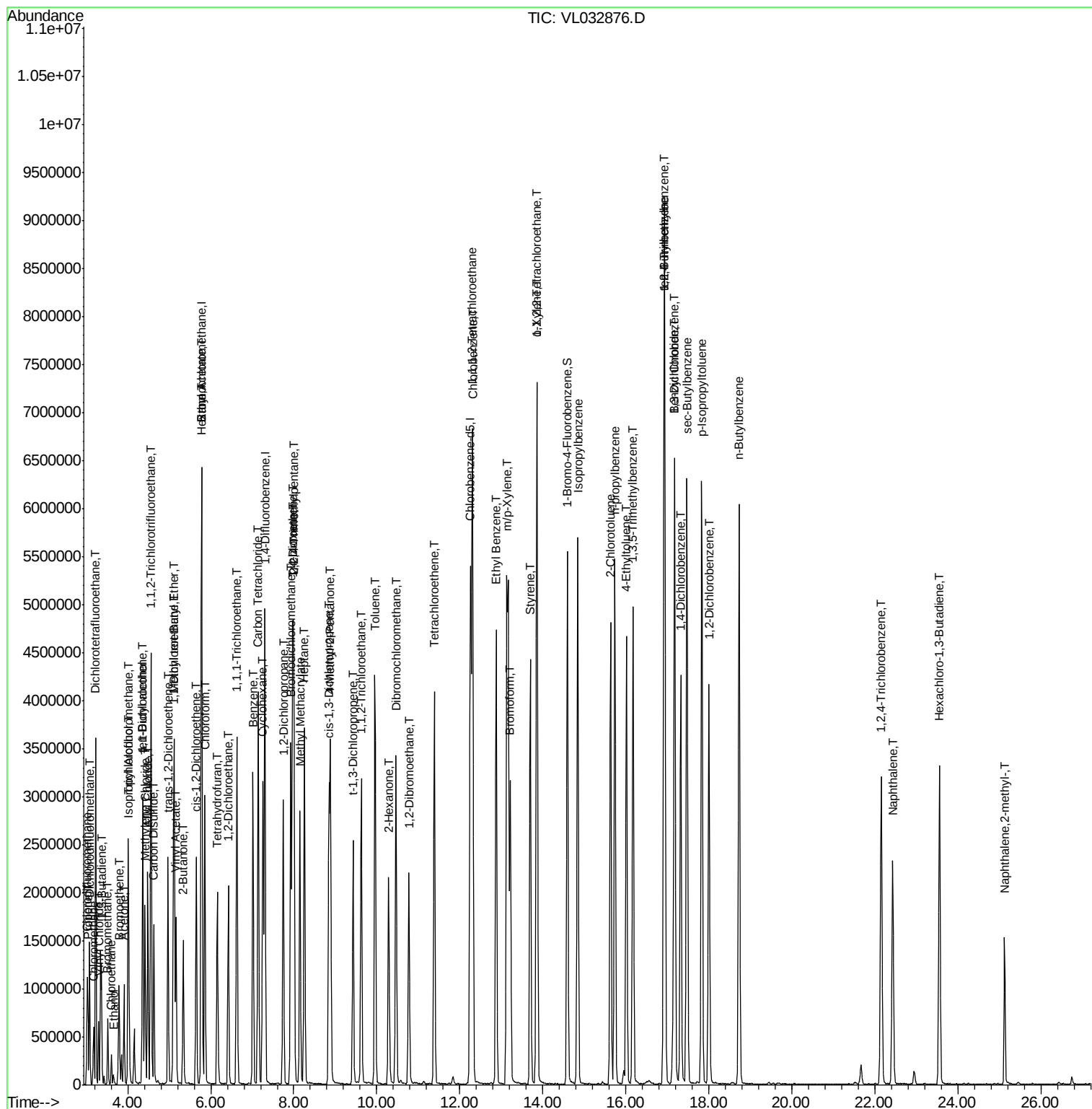
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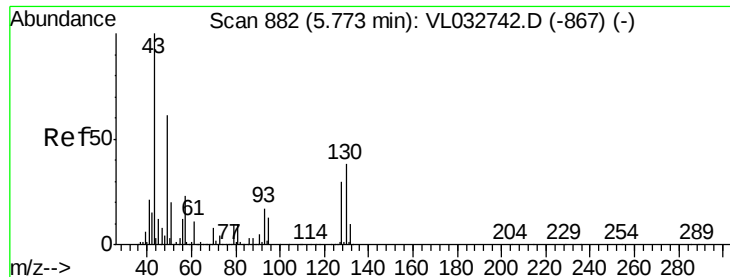
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032876.D

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Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

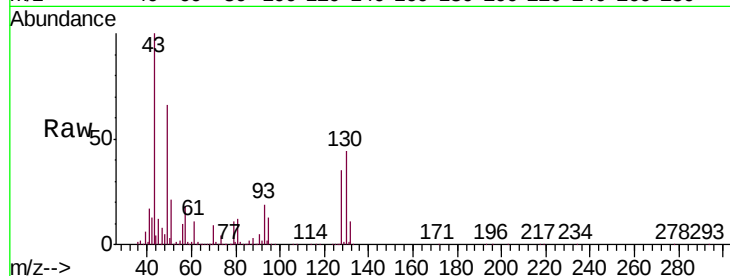
Tgt Ion: 49 Resp: 1357241

Ion Ratio Lower Upper

49 100

128 53.3 24.9 74.6

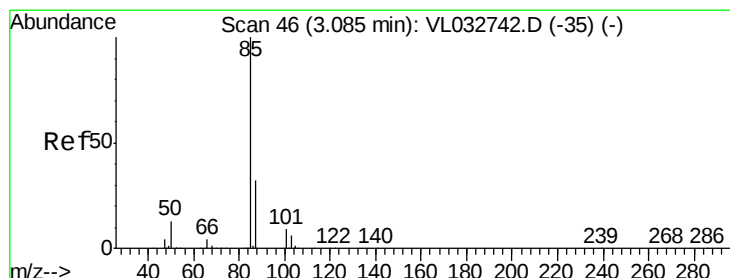
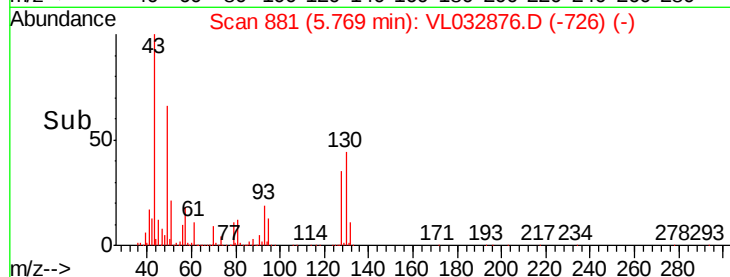
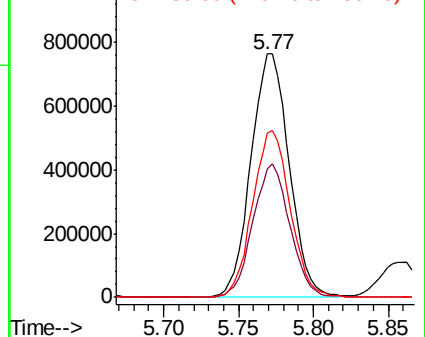
130 67.8 31.4 94.2



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: 5.240 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL032876.D

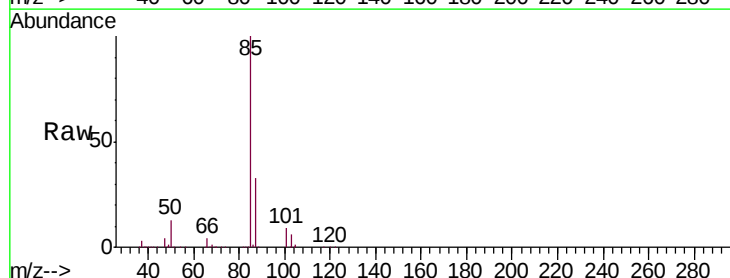
Acq: 4 Dec 2018 13:20

Tgt Ion: 85 Resp: 1022354

Ion Ratio Lower Upper

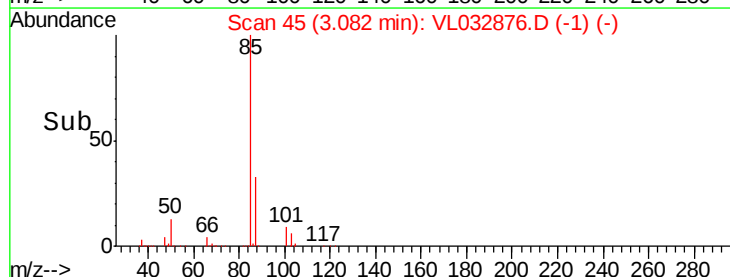
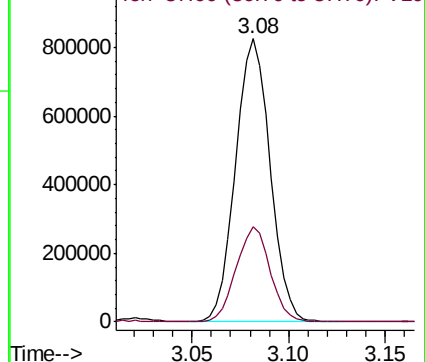
85 100

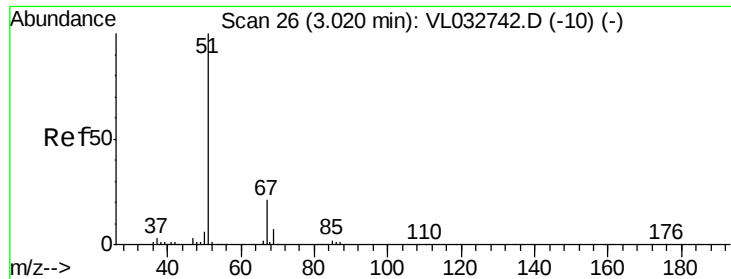
87 33.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

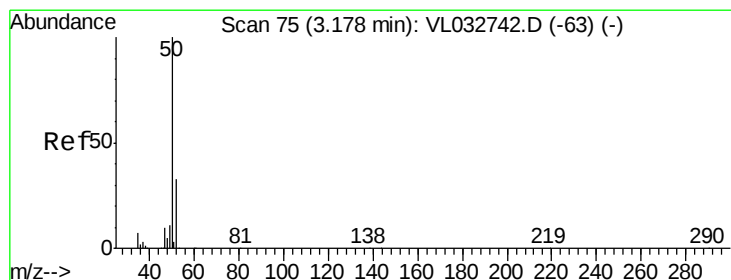
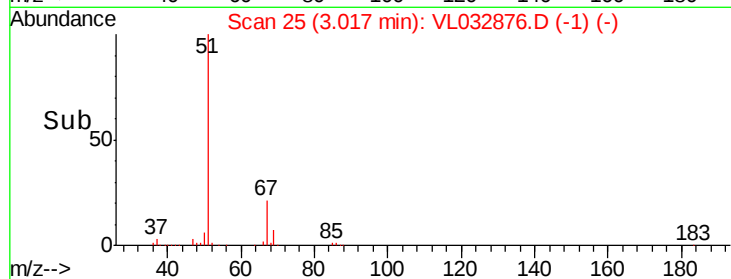
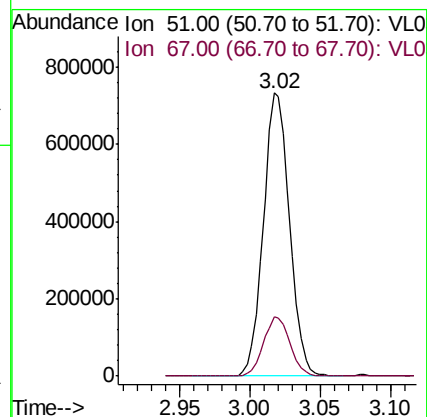
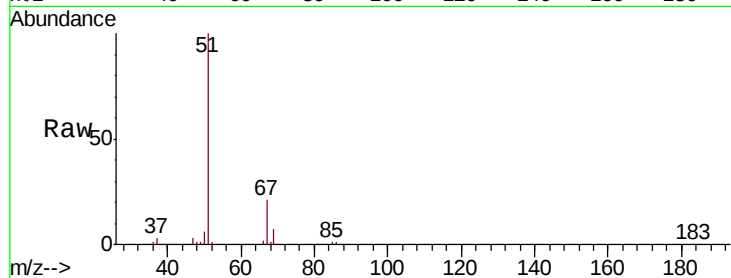




#3
Chlorodifluoromethane
Concen: 8.831 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

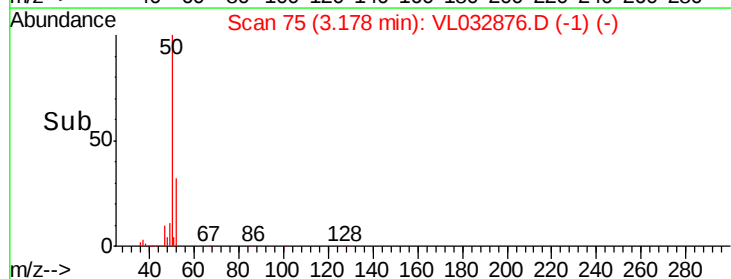
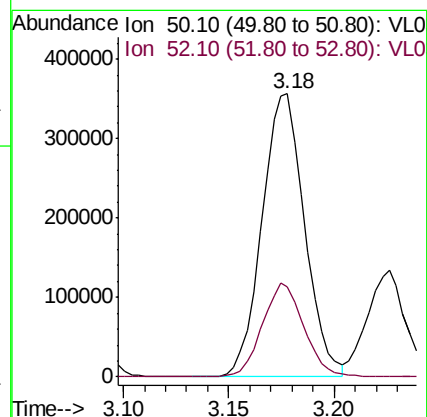
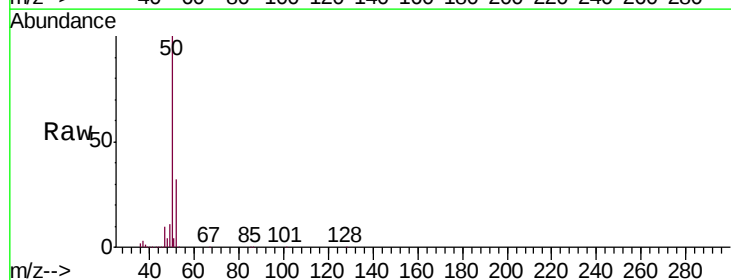
Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

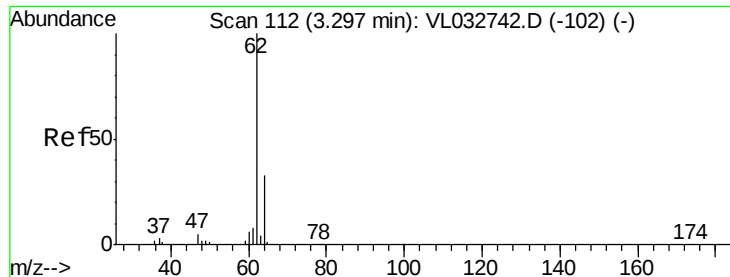
Tgt Ion: 51 Resp: 950258
Ion Ratio Lower Upper
51 100
67 21.1 16.1 24.1



#4
Chloromethane
Concen: 8.366 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion: 50 Resp: 499149
Ion Ratio Lower Upper
50 100
52 31.9 26.6 40.0





#5

Vinyl Chloride

Concen: 8.187 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

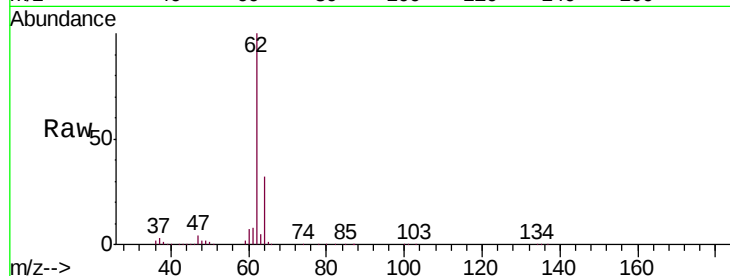
VL1204ABS01

Tgt Ion: 62 Resp: 517611

Ion Ratio Lower Upper

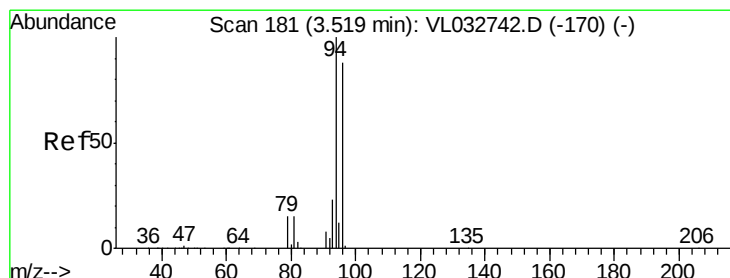
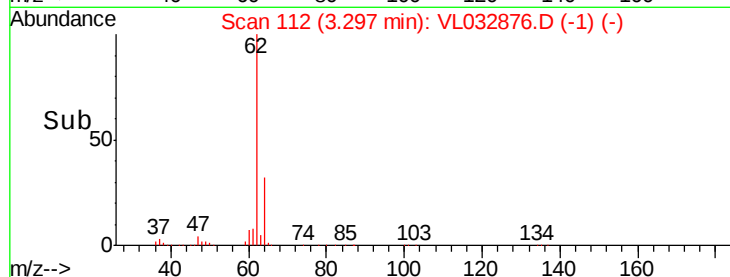
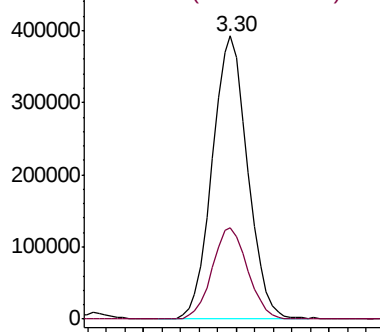
62 100

64 32.1 26.2 39.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.100 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL032876.D

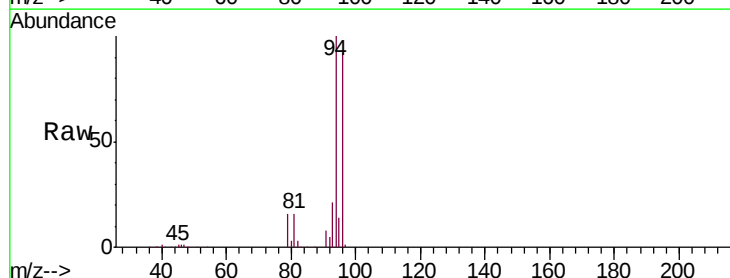
Acq: 4 Dec 2018 13:20

Tgt Ion: 94 Resp: 351955

Ion Ratio Lower Upper

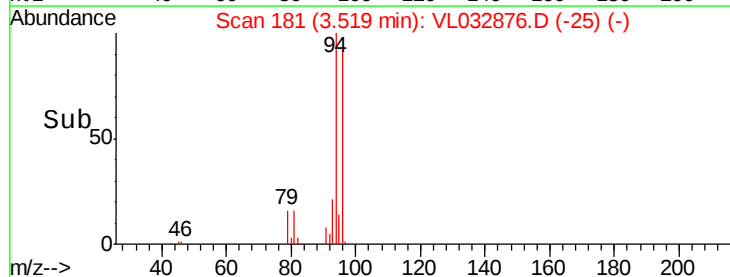
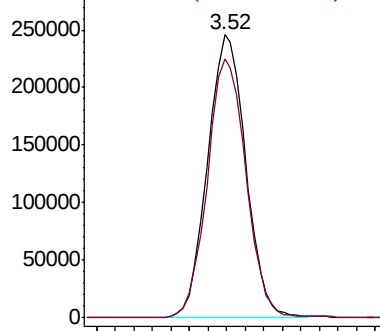
94 100

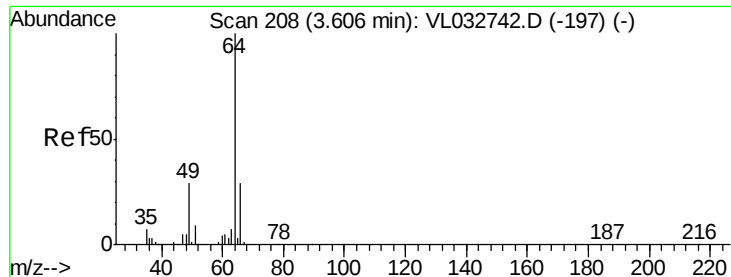
96 91.5 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.758 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

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ClientSampleId :

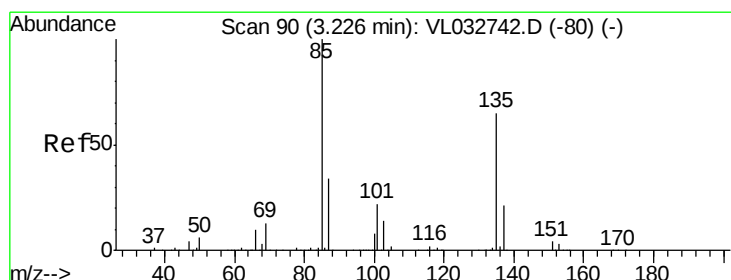
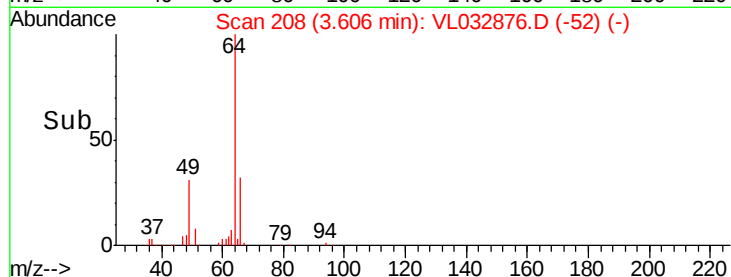
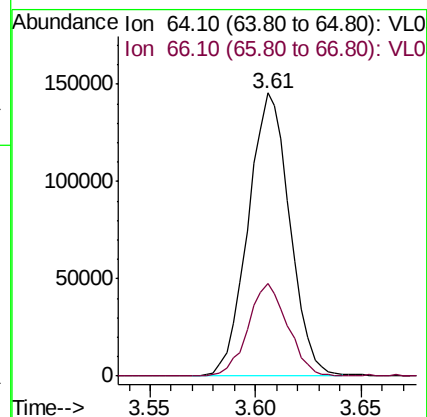
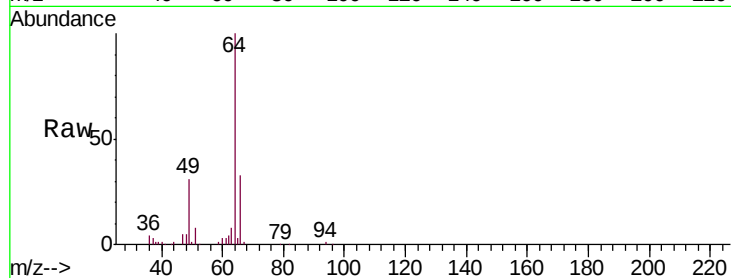
VL1204ABS01

Tgt Ion: 64 Resp: 199574

Ion Ratio Lower Upper

64 100

66 32.6 23.2 34.8



#8

Dichlorotetrafluoroethane

Concen: 8.768 ppbv

RT: 3.23 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL032876.D

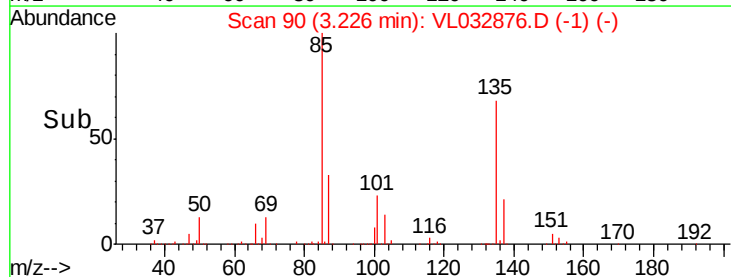
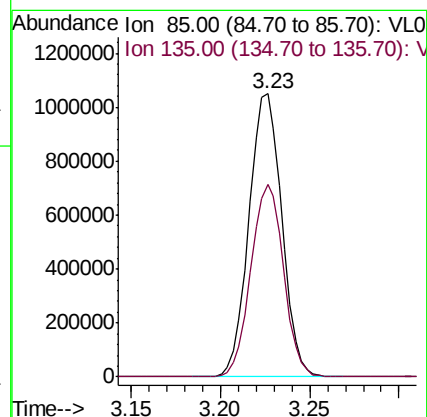
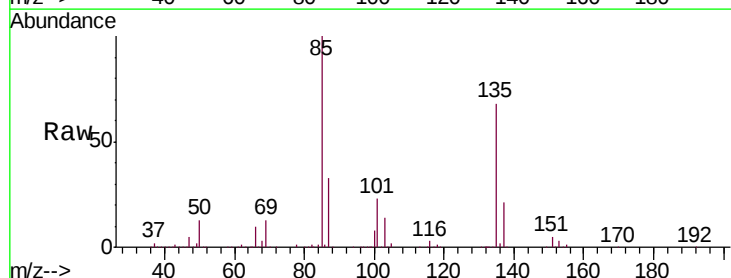
Acq: 4 Dec 2018 13:20

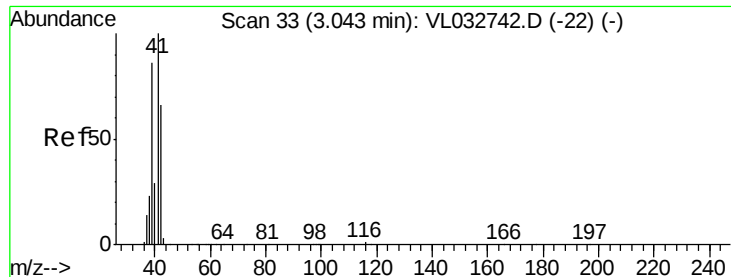
Tgt Ion: 85 Resp: 1348034

Ion Ratio Lower Upper

85 100

135 67.9 53.8 80.8





#9

Propene

Concen: 8.566 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

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ClientSampleId :

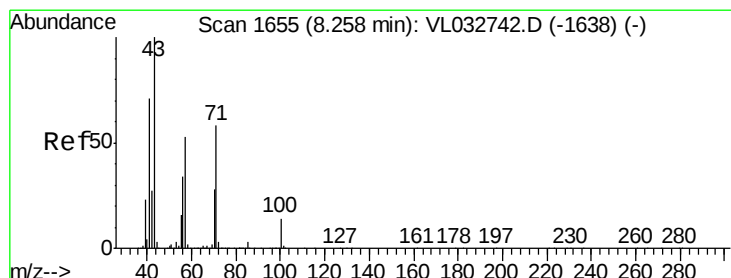
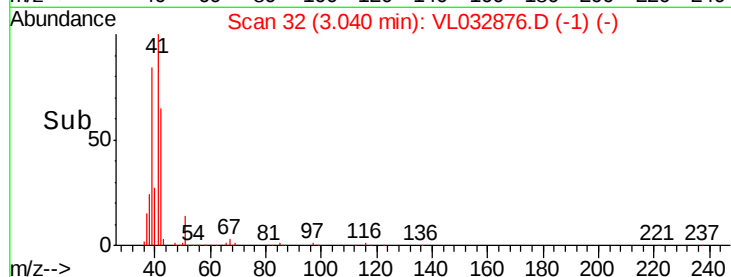
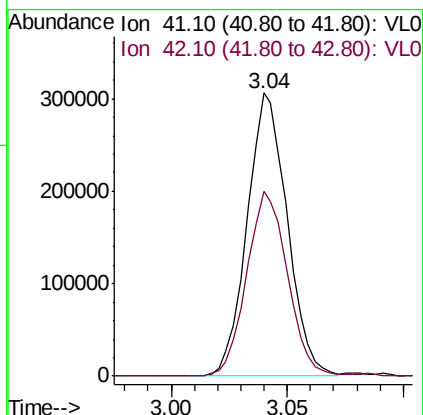
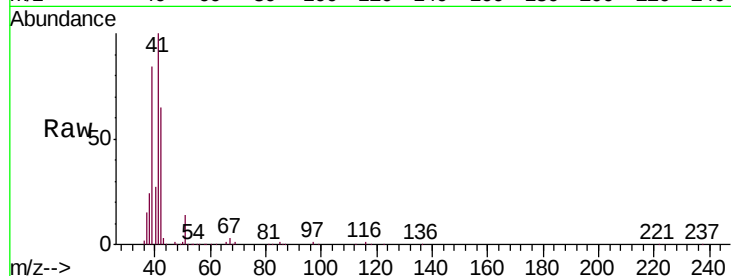
VL1204ABS01

Tgt Ion: 41 Resp: 368846

Ion Ratio Lower Upper

41 100

42 67.2 55.0 82.6



#10

Heptane

Concen: 9.631 ppbv

RT: 8.26 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VL032876.D

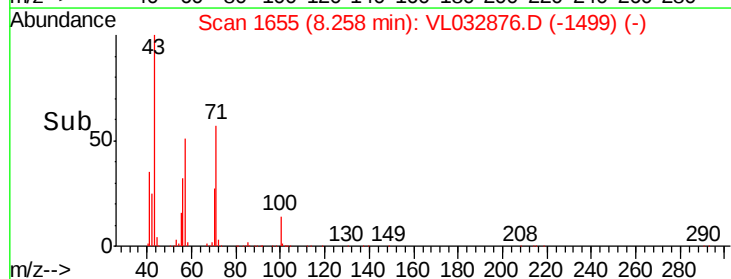
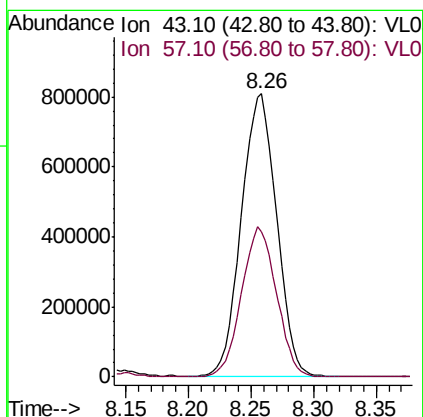
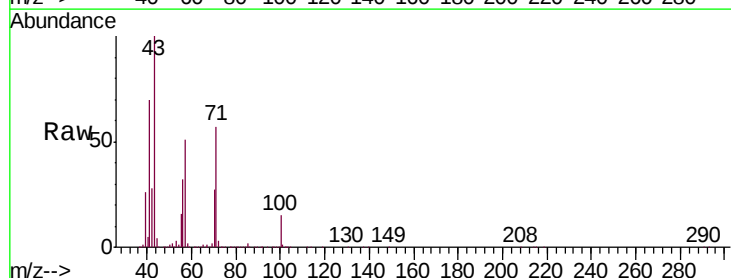
Acq: 4 Dec 2018 13:20

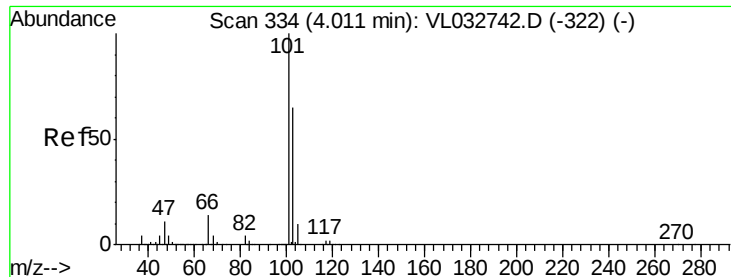
Tgt Ion: 43 Resp: 1583262

Ion Ratio Lower Upper

43 100

57 52.6 41.8 62.8

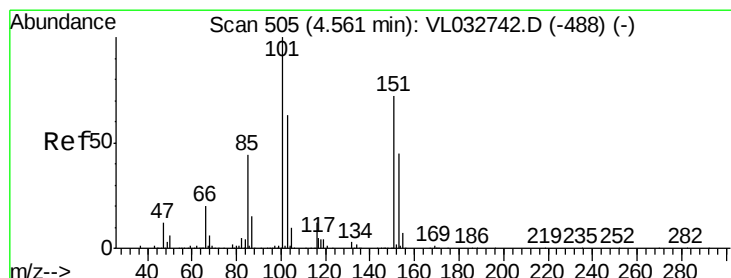
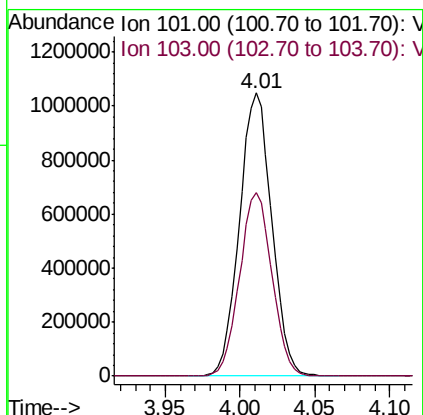
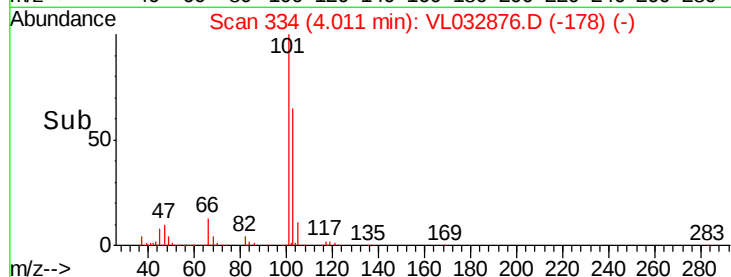
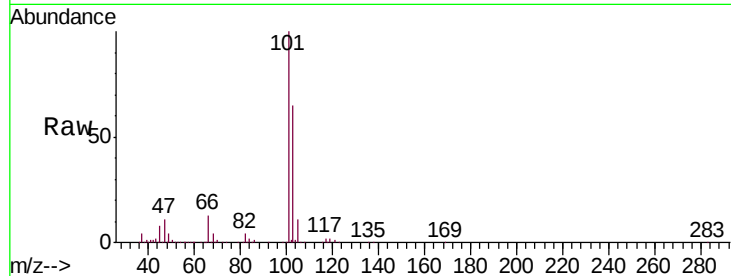




#11
 Trichlorofluoromethane
 Concen: 8.575 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

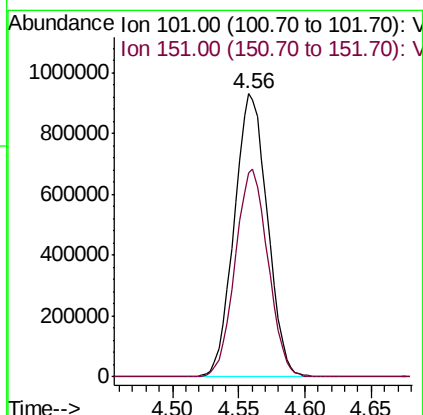
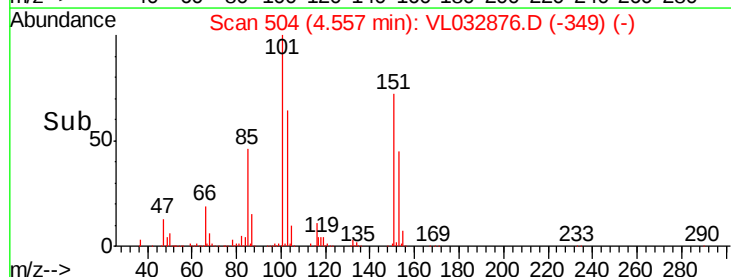
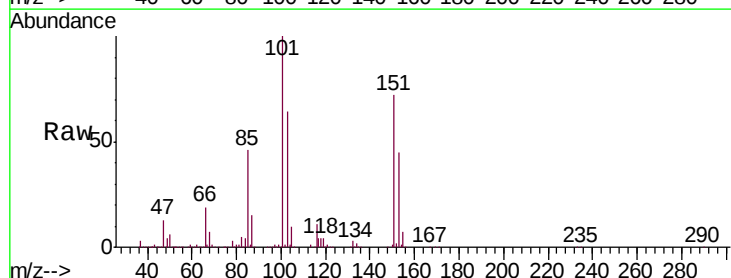
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

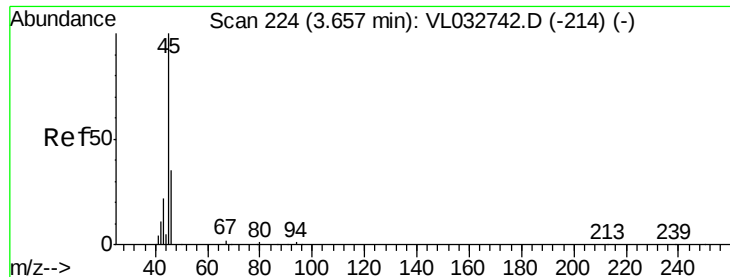
Tgt Ion:101 Resp: 1576616
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.765 ppbv
 RT: 4.56 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion:101 Resp: 1616660
 Ion Ratio Lower Upper
 101 100
 151 73.0 56.7 85.1





#13

Ethanol

Concen: 6.664 ppbv

RT: 3.65 min Scan# 223

Delta R.T. -0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

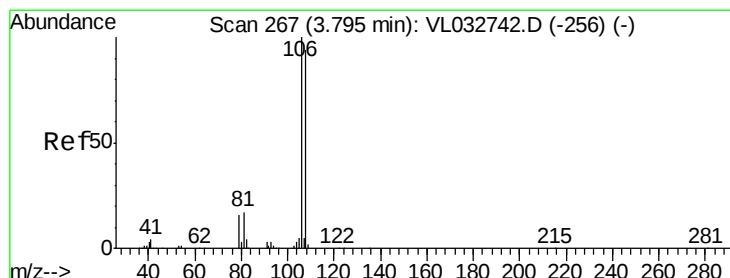
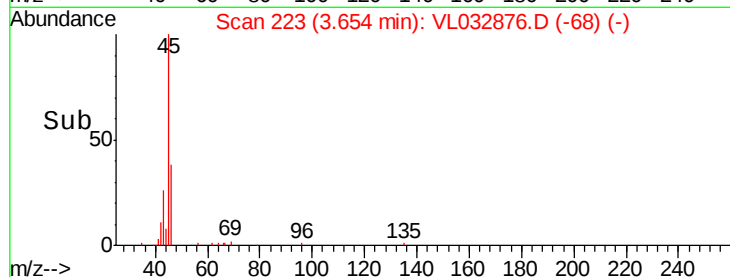
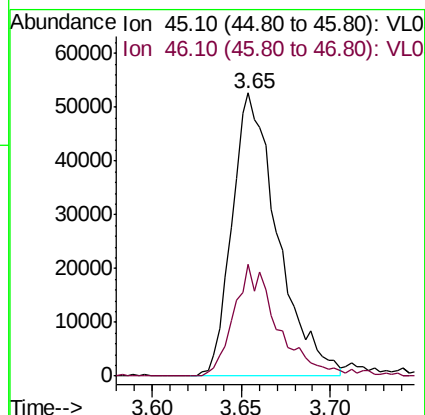
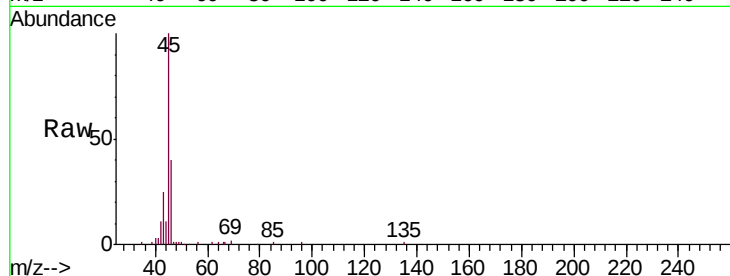
VL1204ABS01

Tgt Ion: 45 Resp: 93986

Ion Ratio Lower Upper

45 100

46 38.6 14.5 57.9



#14

Bromoethene

Concen: 9.434 ppbv

RT: 3.80 min Scan# 267

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

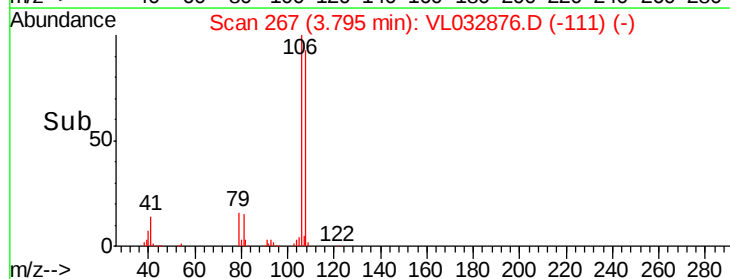
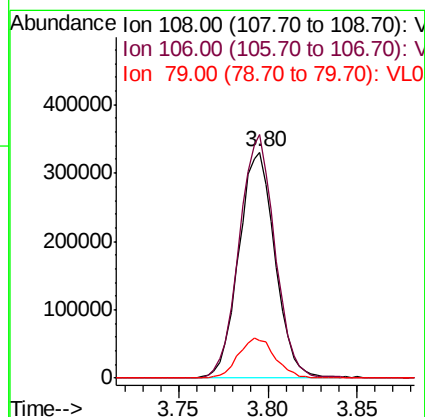
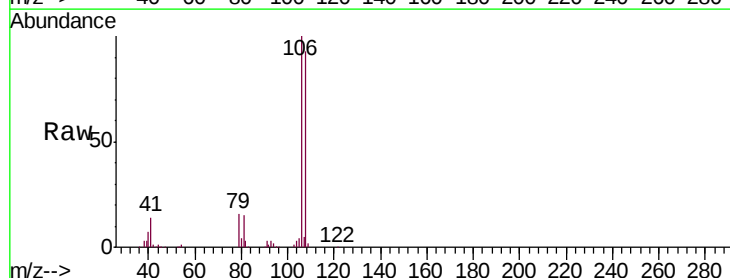
Tgt Ion: 108 Resp: 470059

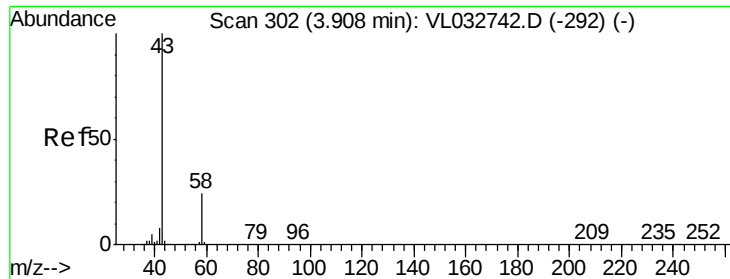
Ion Ratio Lower Upper

108 100

106 106.8 84.9 127.3

79 18.3 14.2 21.4





#15

Acetone

Concen: 8.031 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

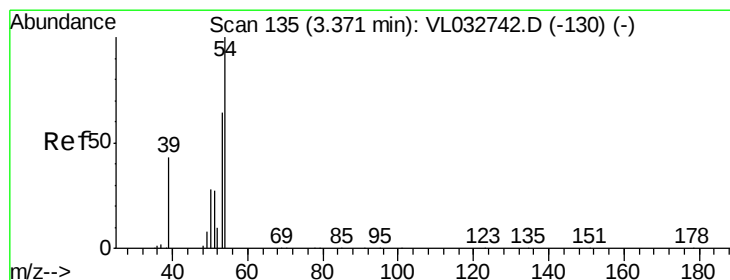
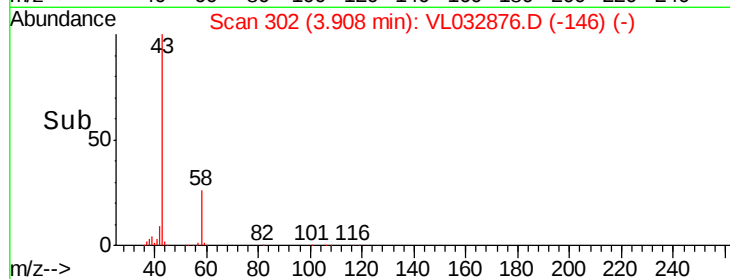
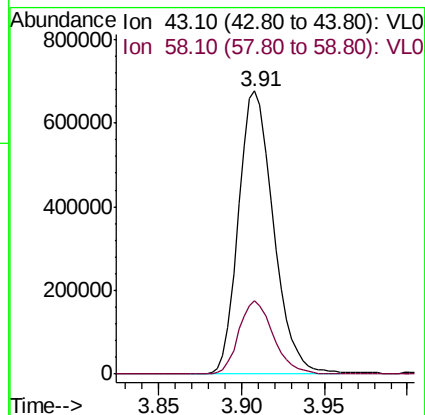
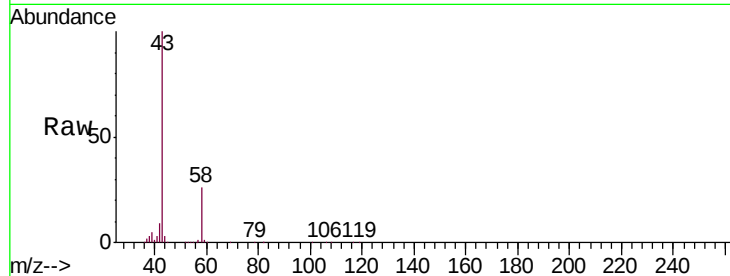
VL1204ABS01

Tgt Ion: 43 Resp: 995461

Ion Ratio Lower Upper

43 100

58 25.7 21.1 31.7



#16

1,3-Butadiene

Concen: 9.284 ppbv

RT: 3.37 min Scan# 134

Delta R.T. -0.00 min

Lab File: VL032876.D

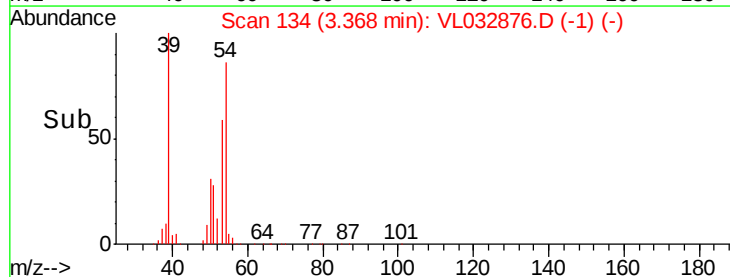
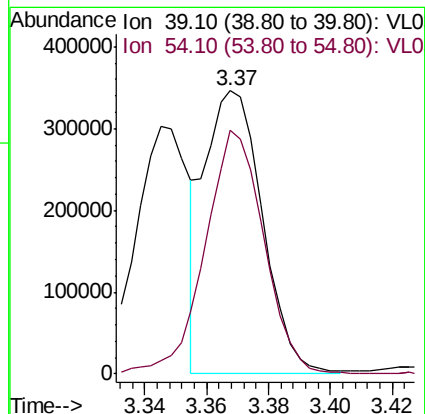
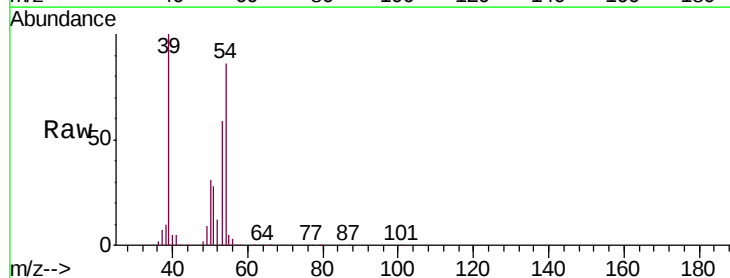
Acq: 4 Dec 2018 13:20

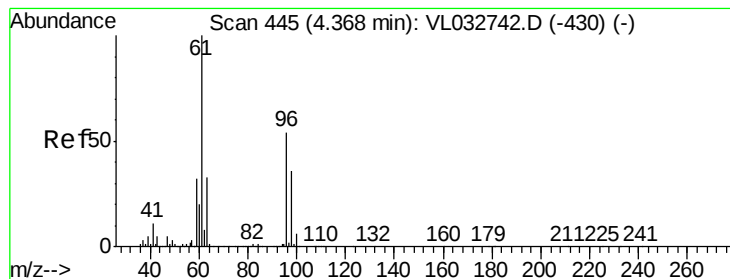
Tgt Ion: 39 Resp: 445650

Ion Ratio Lower Upper

39 100

54 89.4 68.9 103.3





#17

tert-Butyl alcohol

Concen: 11.690 ppbv

RT: 4.36 min Scan# 444

Delta R.T. -0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

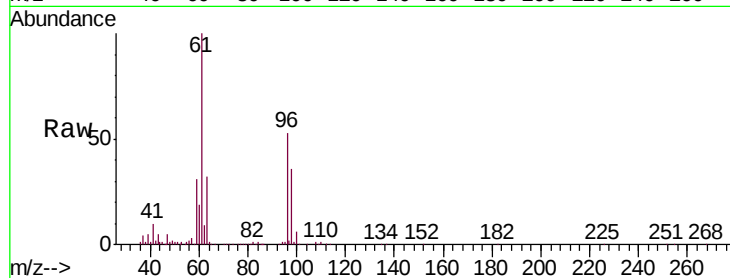
VL1204ABS01

Tgt Ion: 59 Resp: 454427

Ion Ratio Lower Upper

59 100

57 10.0 7.8 11.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.36

250000

200000

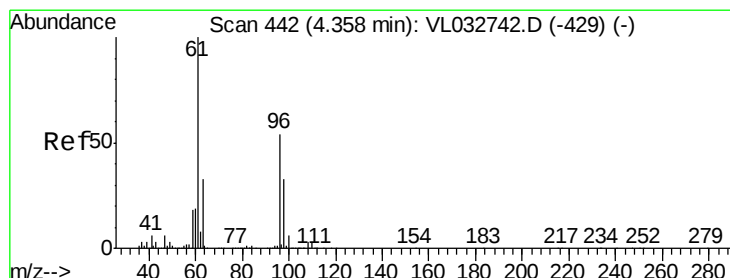
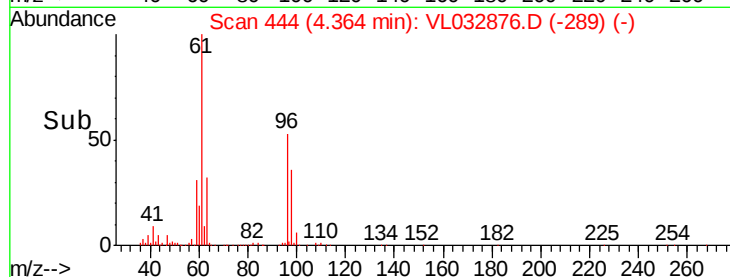
150000

100000

50000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.845 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

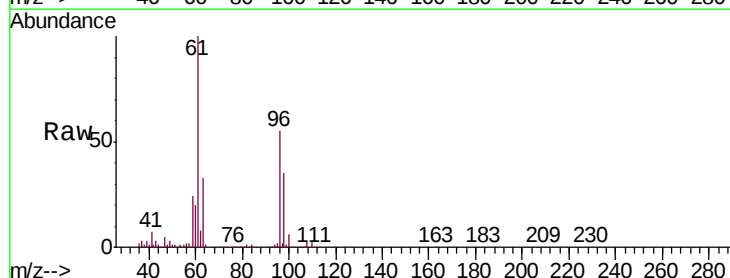
Tgt Ion: 96 Resp: 727055

Ion Ratio Lower Upper

96 100

61 182.4 148.5 222.7

98 63.4 48.6 72.8



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1200000

1000000

800000

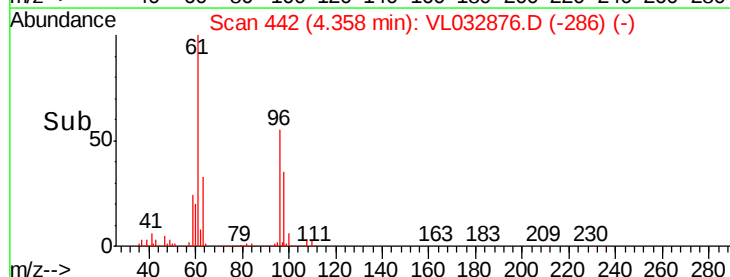
600000

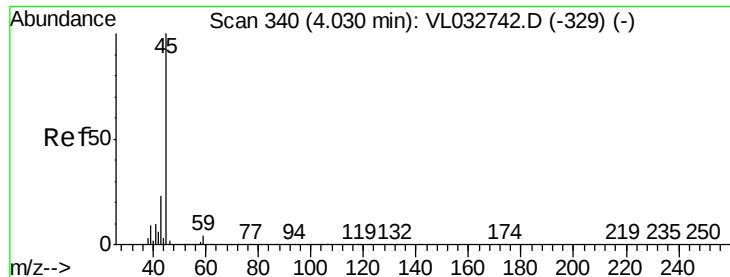
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.162 ppbv

RT: 4.03 min Scan# 339

Delta R.T. -0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

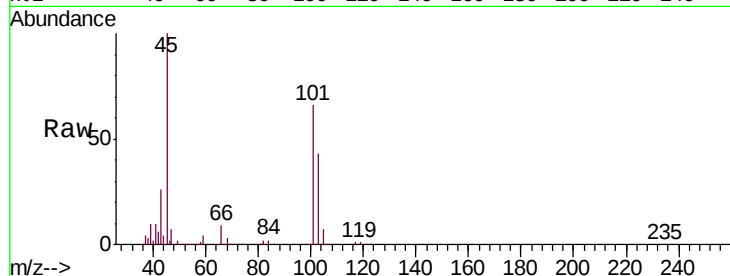
VL1204ABS01

Tgt Ion: 45 Resp: 756476

Ion Ratio Lower Upper

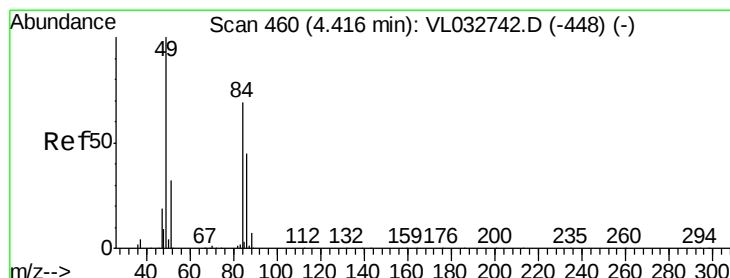
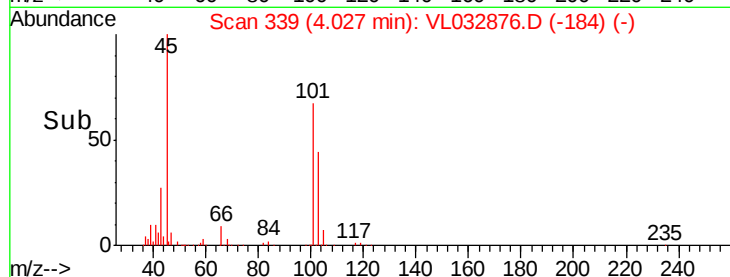
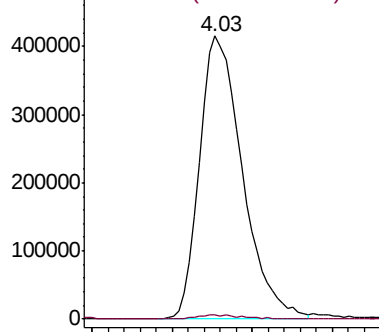
45 100

58 1.6 1.4 2.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.914 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Tgt Ion: 84 Resp: 636164

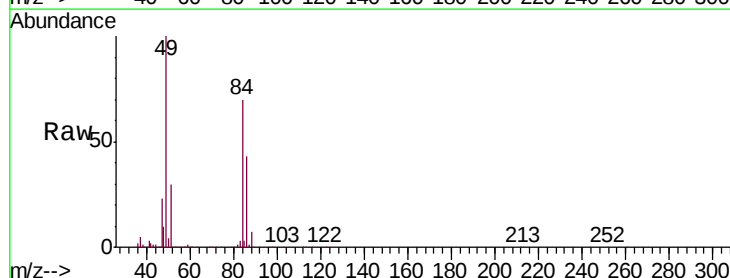
Ion Ratio Lower Upper

84 100

49 142.3 115.8 173.6

51 41.7 36.9 55.3

86 60.8 52.4 78.6

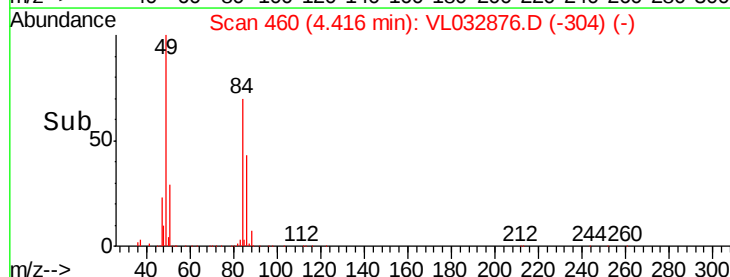
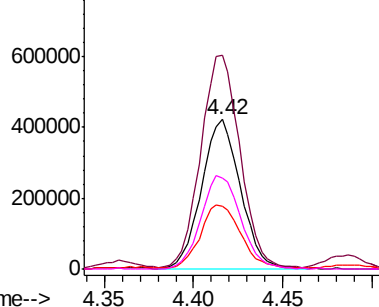


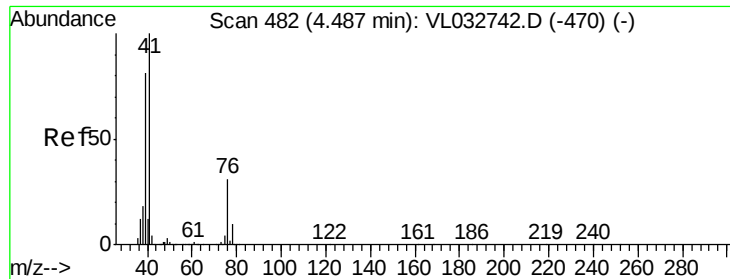
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

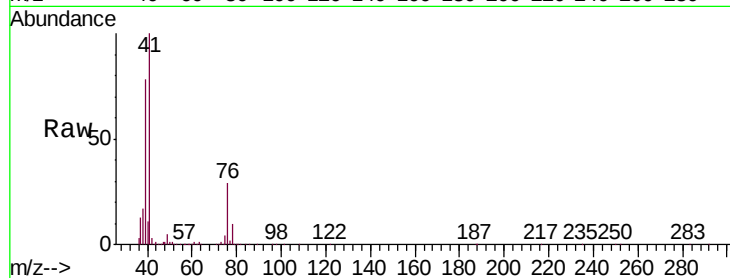




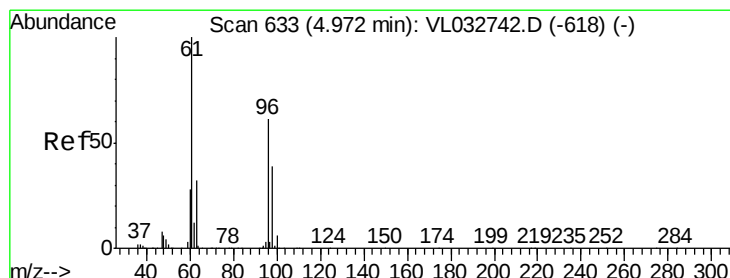
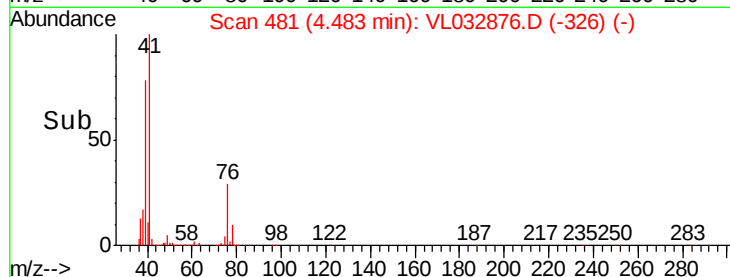
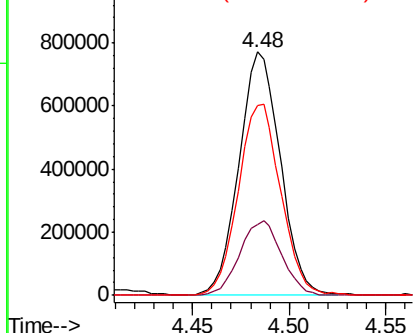
#21
 Allyl Chloride
 Concen: 10.936 ppbv
 RT: 4.48 min Scan# 481
 Delta R.T. -0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

Tgt Ion: 41 Resp: 1139070
 Ion Ratio Lower Upper
 41 100
 76 31.6 24.4 36.6
 39 81.5 63.5 95.3

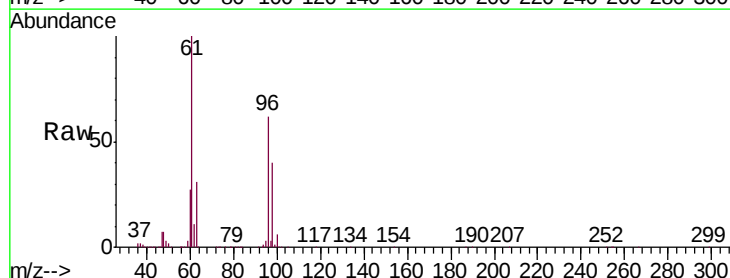


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

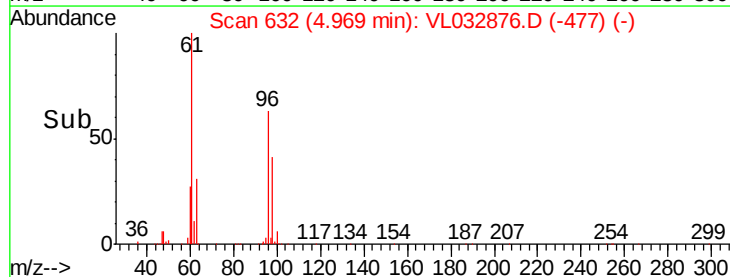
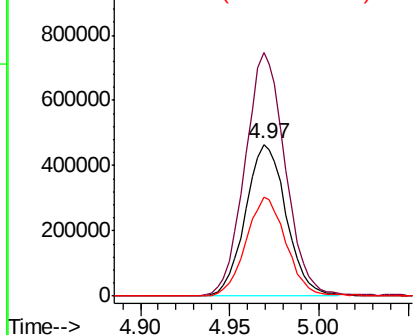


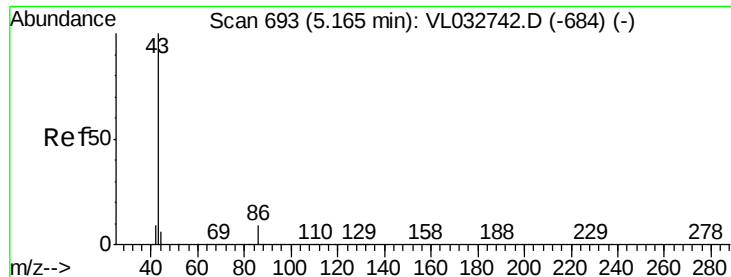
#22
 trans-1,2-Dichloroethene
 Concen: 10.313 ppbv
 RT: 4.97 min Scan# 632
 Delta R.T. -0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion: 96 Resp: 743681
 Ion Ratio Lower Upper
 96 100
 61 160.0 130.2 195.2
 98 64.8 50.2 75.2



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



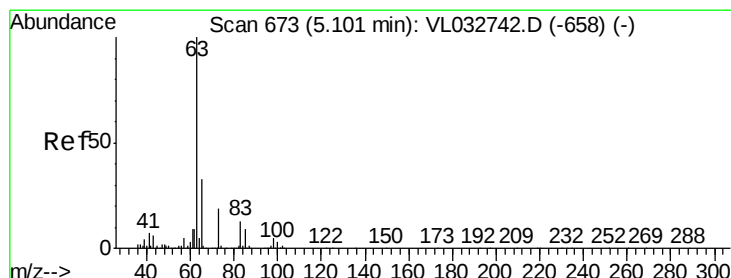
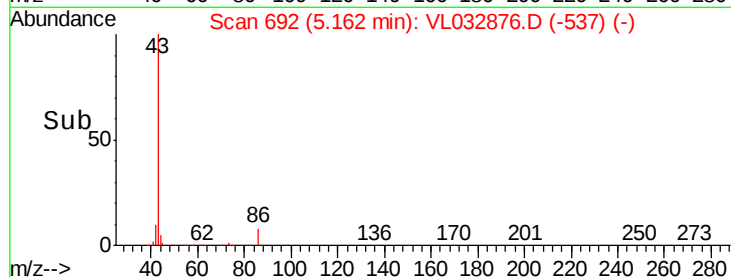
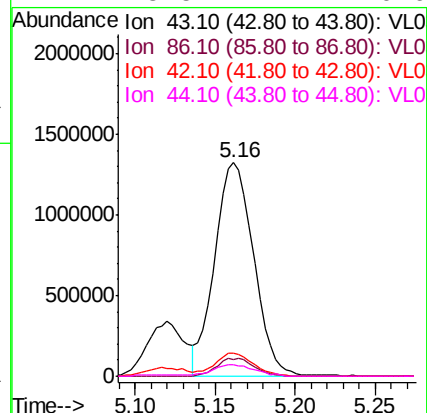
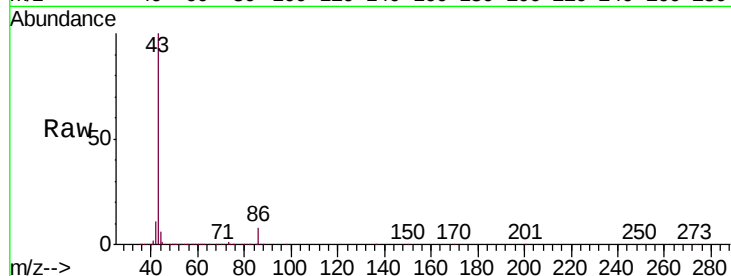


#23
 Vinyl Acetate
 Concen: 9.787 ppbv
 RT: 5.16 min Scan# 692
 Delta R.T. -0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

Tgt Ion: 43 Resp: 2211276

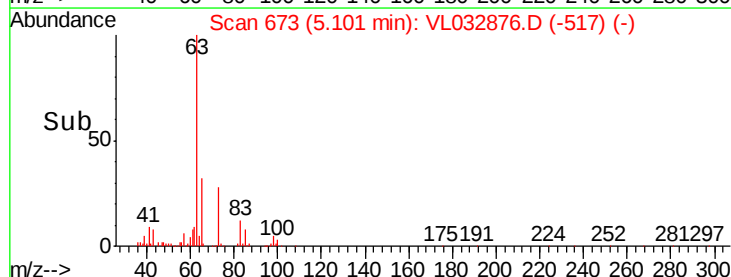
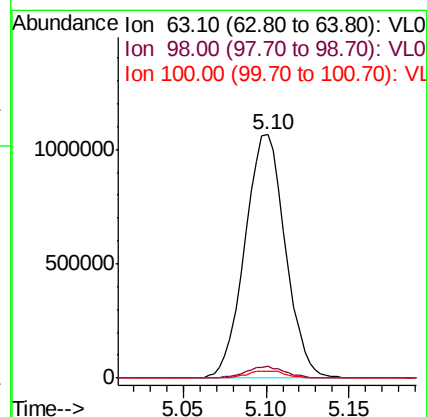
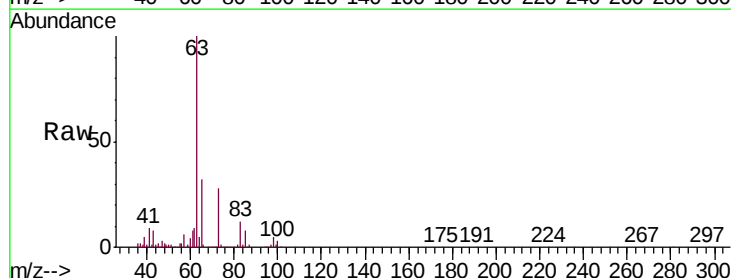
Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.2	9.4
42	10.5	7.8	11.6
44	5.5	4.4	6.6

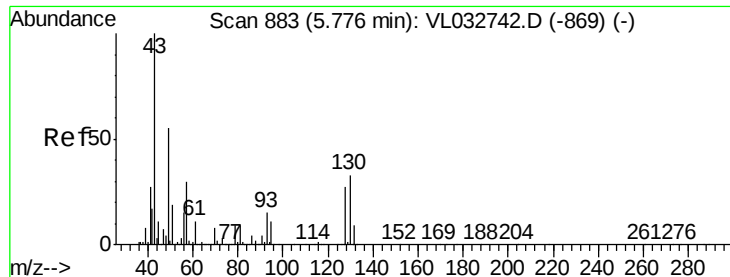


#24
 1,1-Dichloroethane
 Concen: 10.027 ppbv
 RT: 5.10 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion: 63 Resp: 1801193

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.3	6.8
100	2.8	1.4	4.2





#25

Ethyl Acetate

Concen: 9.204 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

Tgt Ion: 43 Resp: 2658940

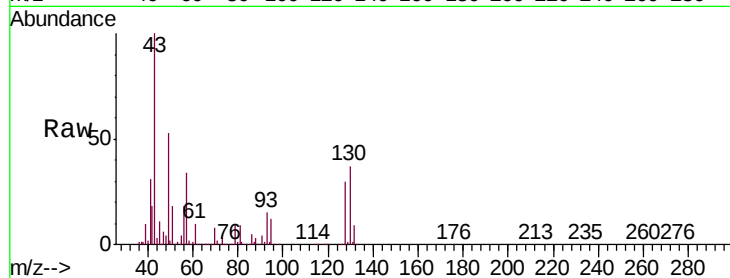
Ion Ratio Lower Upper

43 100

45 9.8 7.9 11.9

61 9.1 7.8 11.6

70 7.2 5.8 8.6

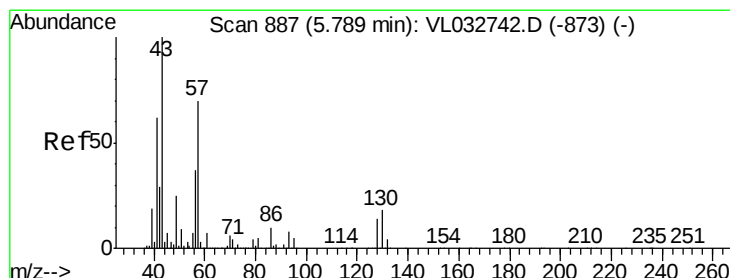
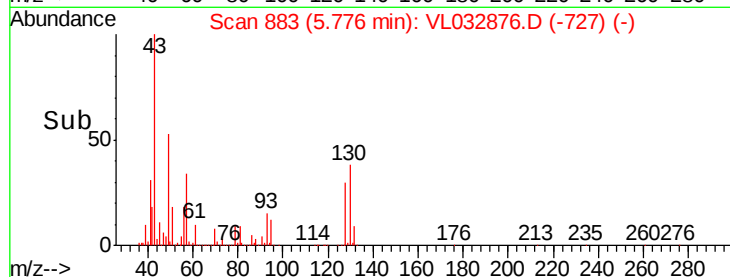
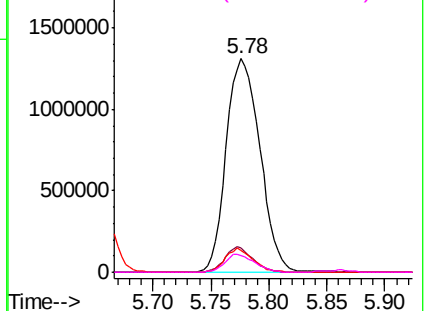


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.453 ppbv

RT: 5.79 min Scan# 887

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Tgt Ion: 57 Resp: 1215619

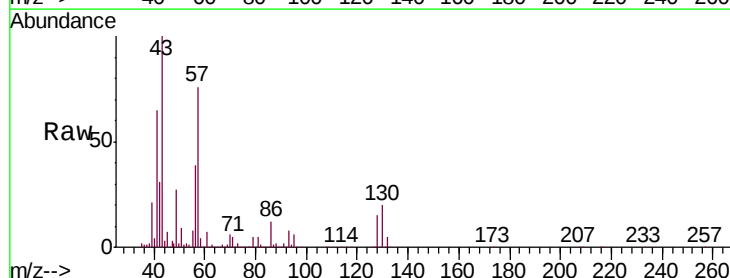
Ion Ratio Lower Upper

57 100

41 90.4 70.3 105.5

43 219.2 174.0 261.0

56 53.0 42.3 63.5

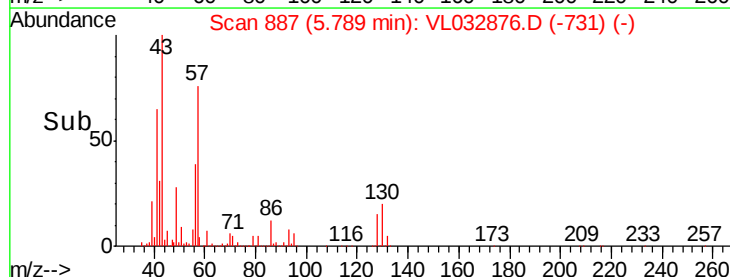
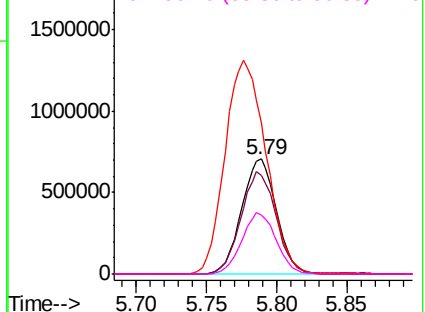


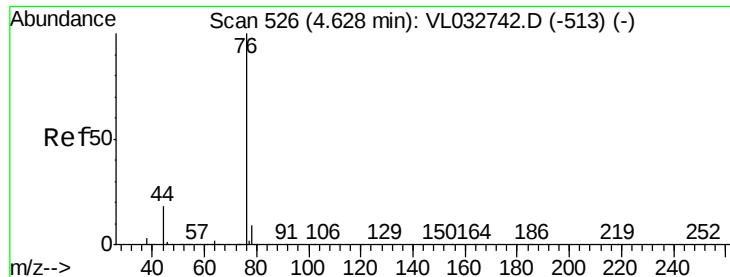
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 11.422 ppbv

RT: 4.63 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

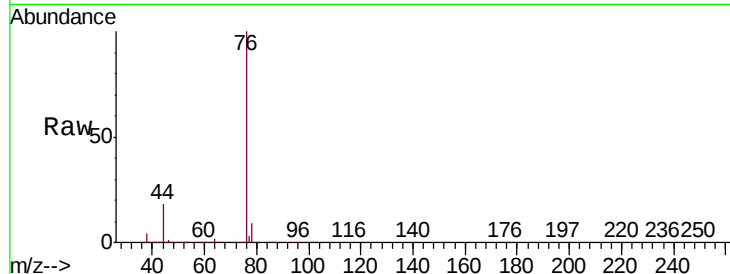
Tgt Ion: 76 Resp: 1862547

Ion Ratio Lower Upper

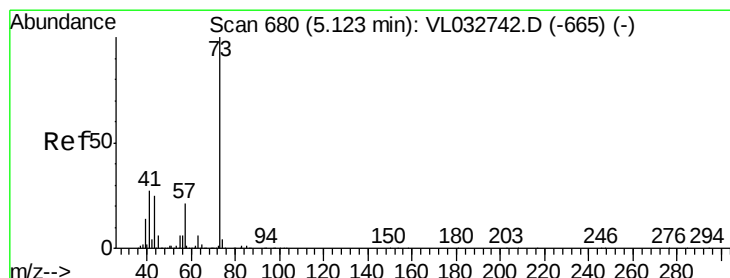
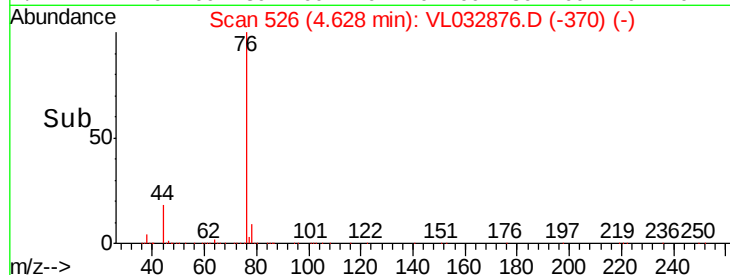
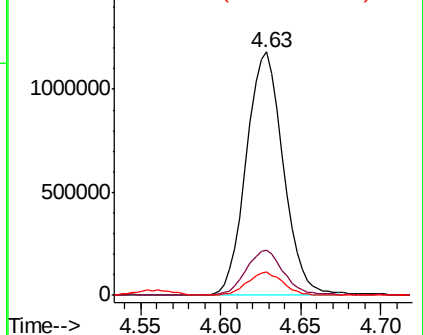
76 100

44 18.6 14.4 21.6

78 9.2 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.858 ppbv

RT: 5.12 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL032876.D

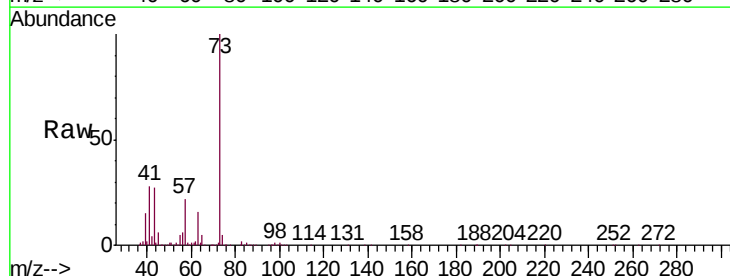
Acq: 4 Dec 2018 13:20

Tgt Ion: 73 Resp: 2226690

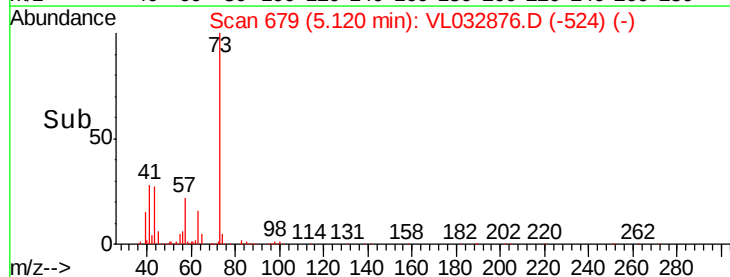
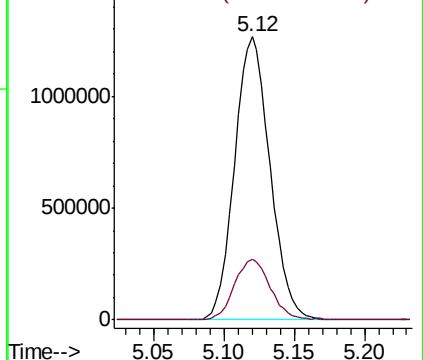
Ion Ratio Lower Upper

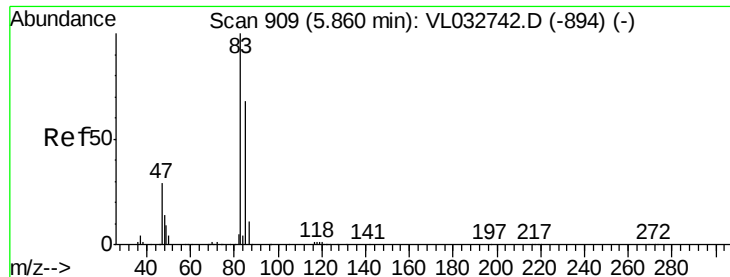
73 100

57 21.9 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

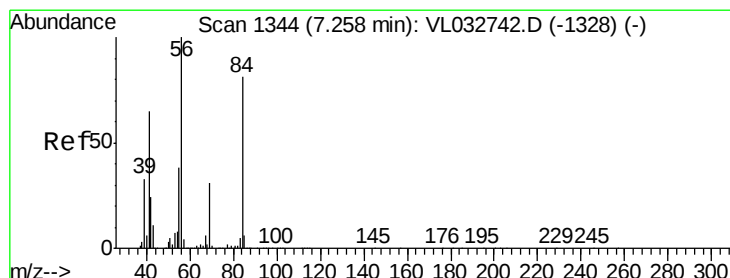
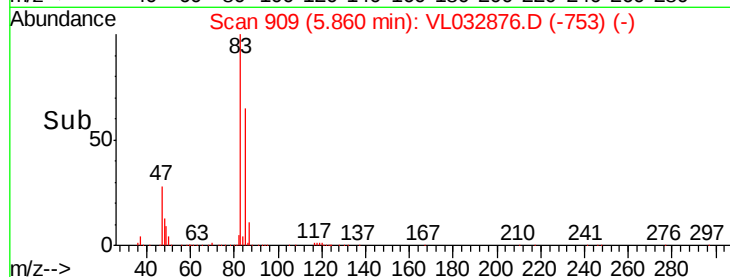
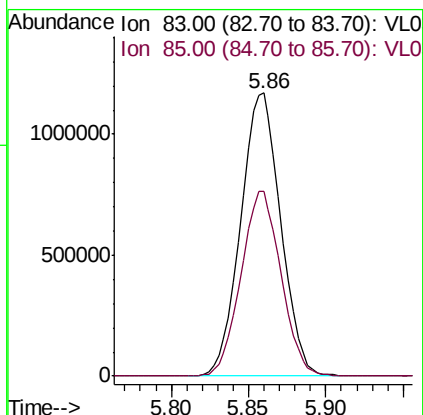
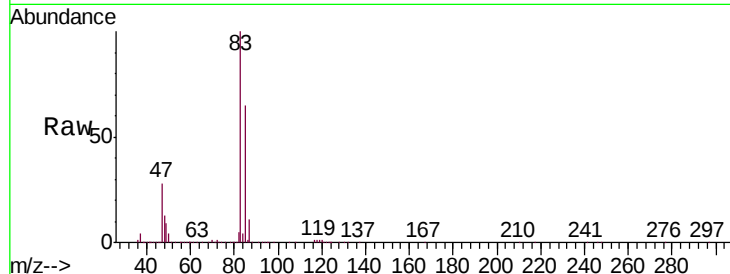




#29
Chloroform
Concen: 9.187 ppbv
RT: 5.86 min Scan# 909
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

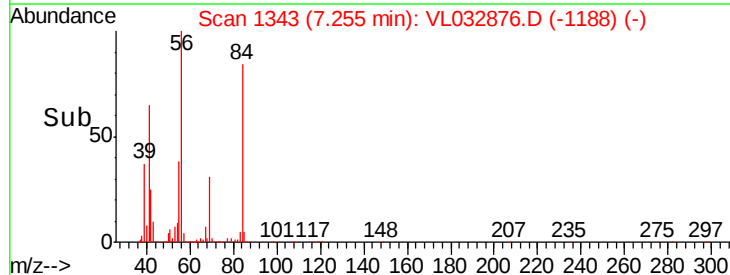
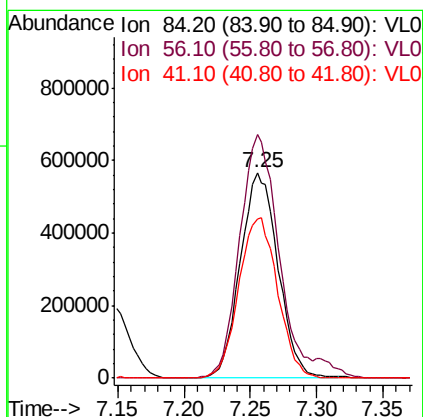
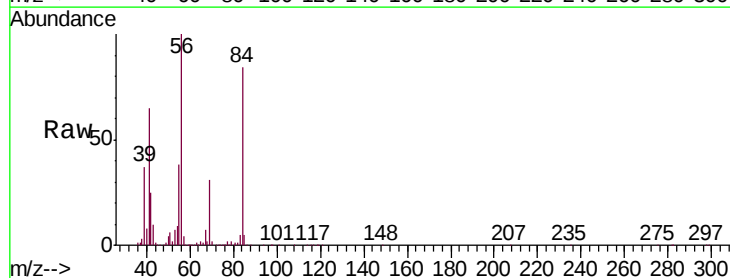
Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

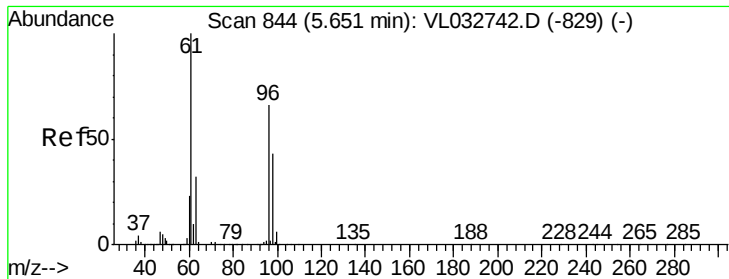
Tgt Ion: 83 Resp: 2105692
Ion Ratio Lower Upper
83 100
85 65.1 54.2 81.4



#30
Cyclohexane
Concen: 9.977 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion: 84 Resp: 1122174
Ion Ratio Lower Upper
84 100
56 126.8 105.0 157.4
41 80.5 65.3 97.9



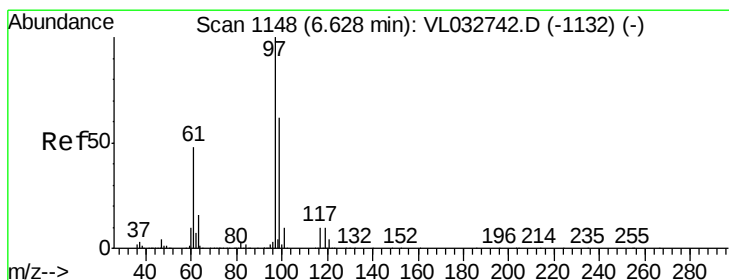
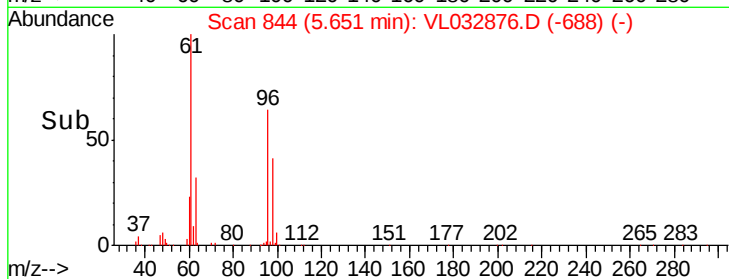
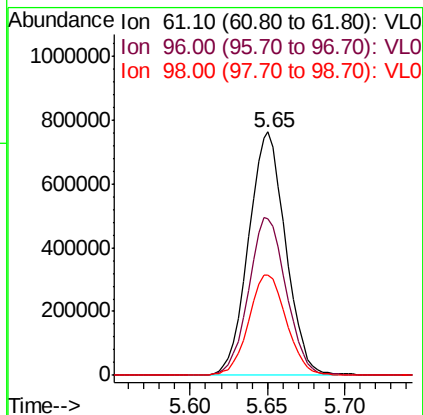
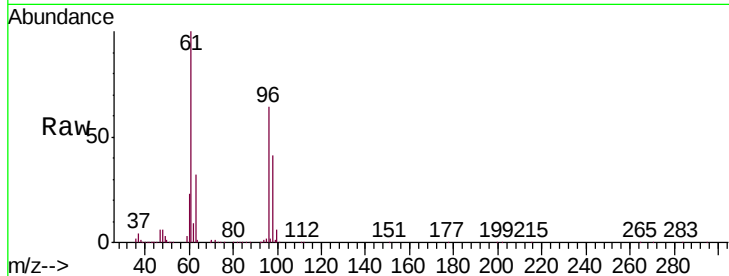


#31

cis-1,2-Dichloroethene
 Concen: 9.846 ppbv
 RT: 5.65 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

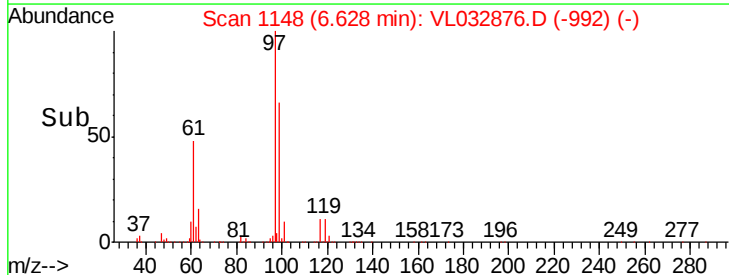
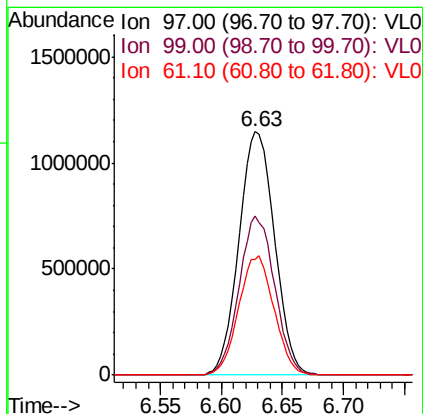
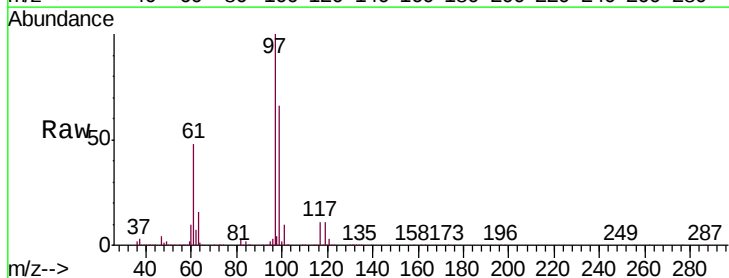
Tgt Ion: 61 Resp: 1272957
 Ion Ratio Lower Upper
 61 100
 96 64.3 53.2 79.8
 98 41.3 34.4 51.6

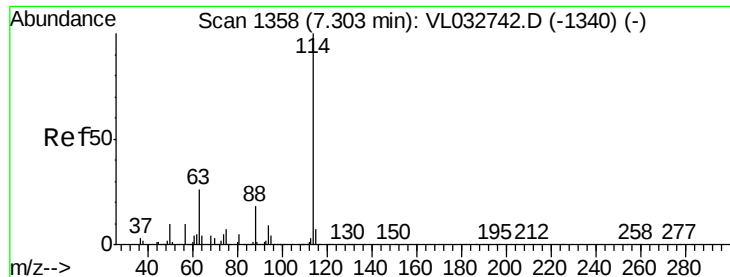


#32

1,1,1-Trichloroethane
 Concen: 9.239 ppbv
 RT: 6.63 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion: 97 Resp: 2320979
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.8 77.6
 61 48.6 39.7 59.5

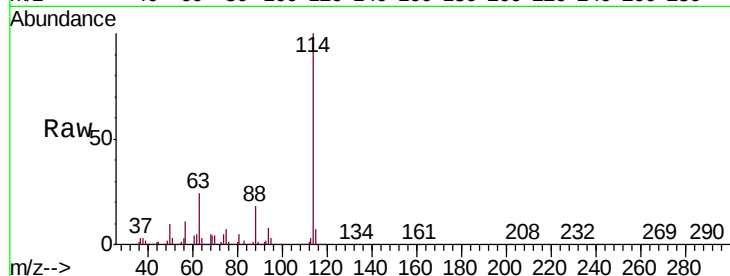




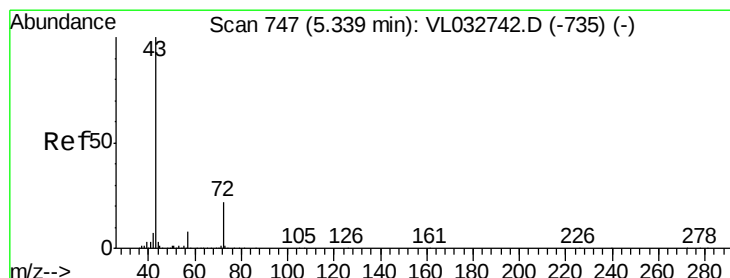
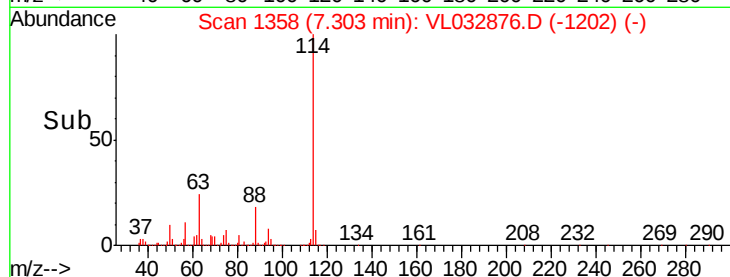
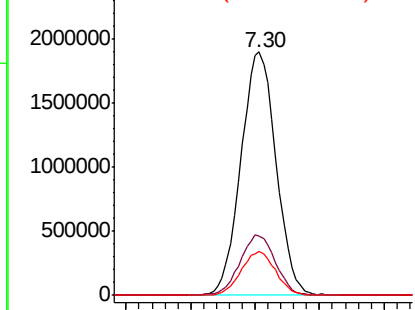
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

Tgt Ion: 114 Resp: 3603914
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.9 31.3
 88 17.7 14.4 21.6

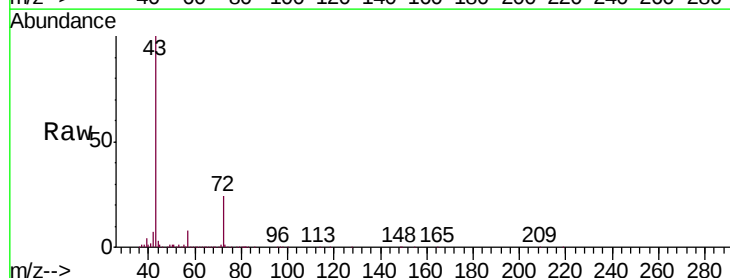


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

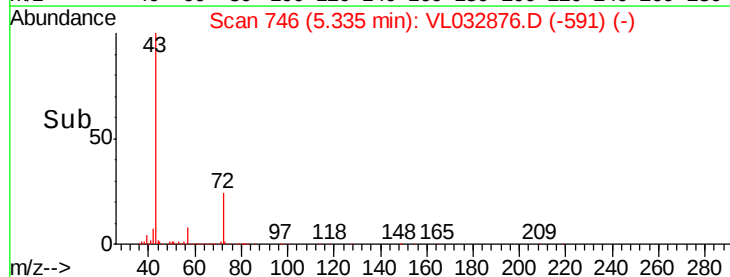
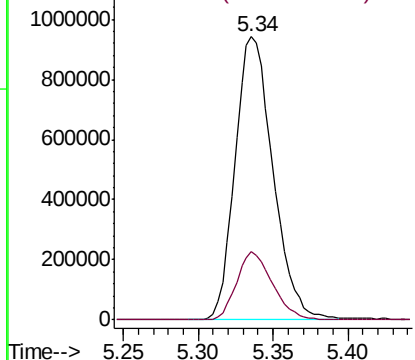


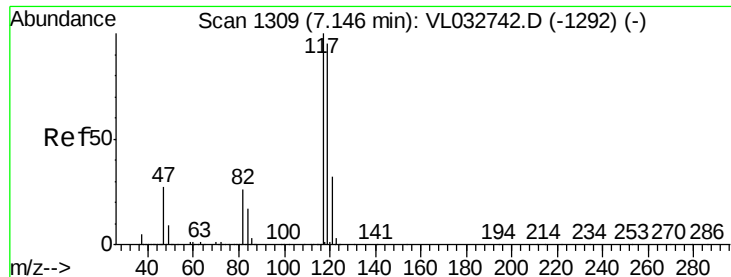
#34
 2-Butanone
 Concen: 8.866 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion: 43 Resp: 1657190
 Ion Ratio Lower Upper
 43 100
 72 23.1 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: 8.755 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. -0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

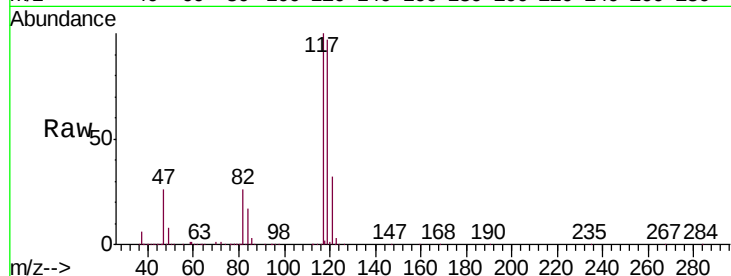
Tgt Ion:117 Resp: 2536409

Ion Ratio Lower Upper

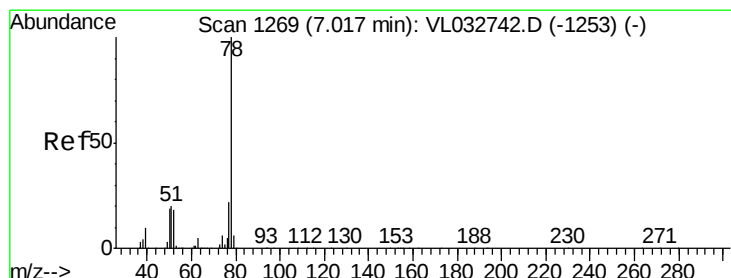
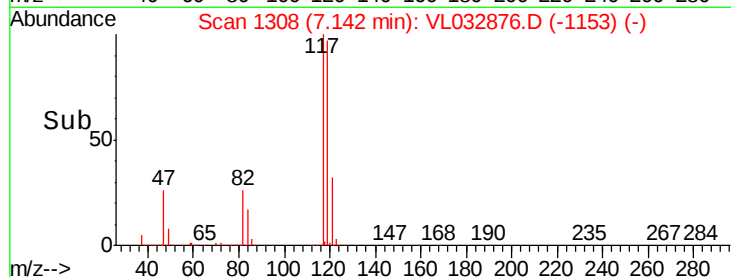
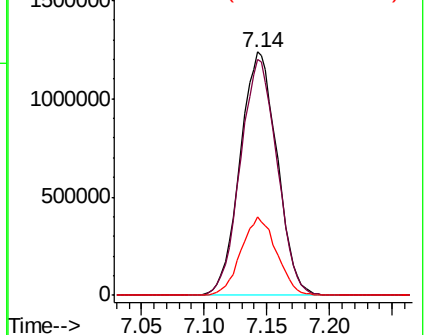
117 100

119 96.9 76.1 114.1

121 32.1 25.4 38.0



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: 9.059 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

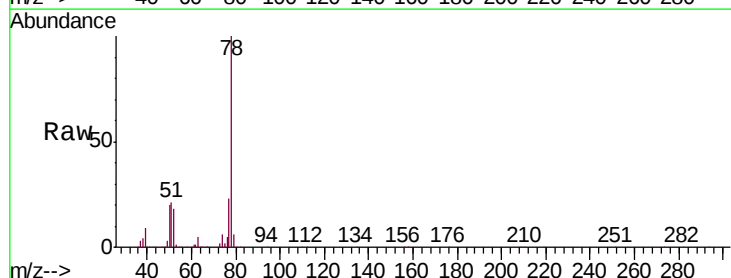
Tgt Ion: 78 Resp: 2599687

Ion Ratio Lower Upper

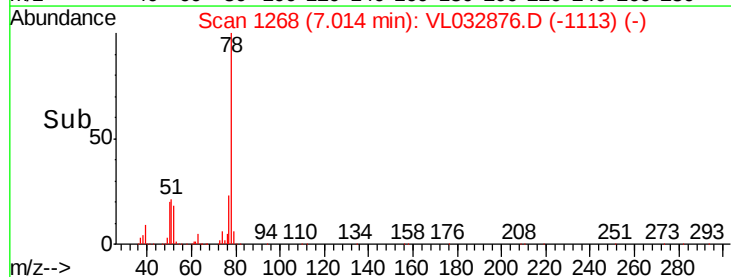
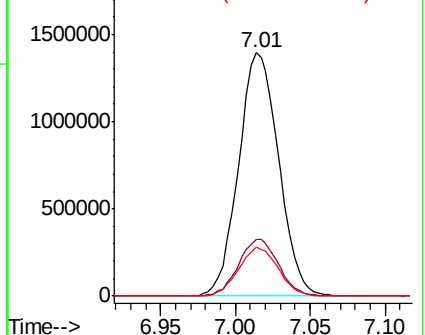
78 100

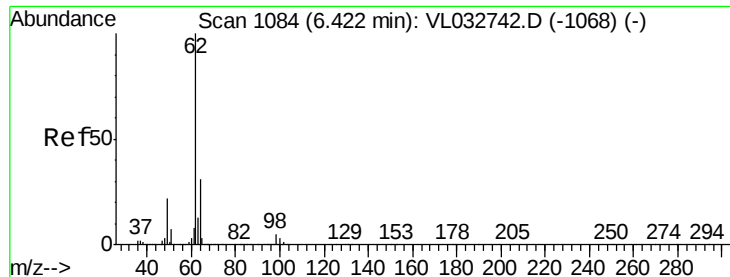
77 23.2 17.8 26.8

50 20.2 15.4 23.0



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

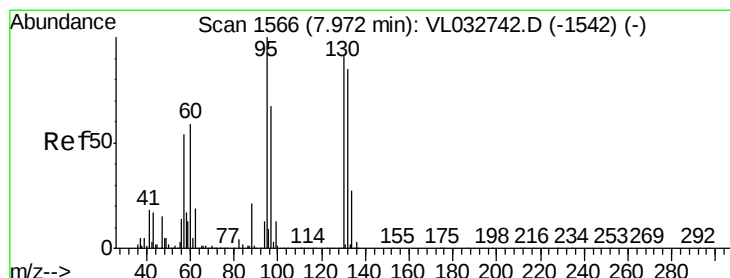
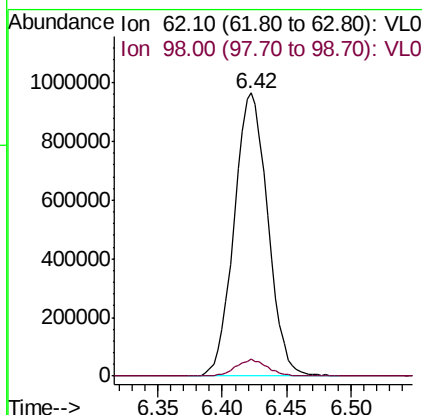
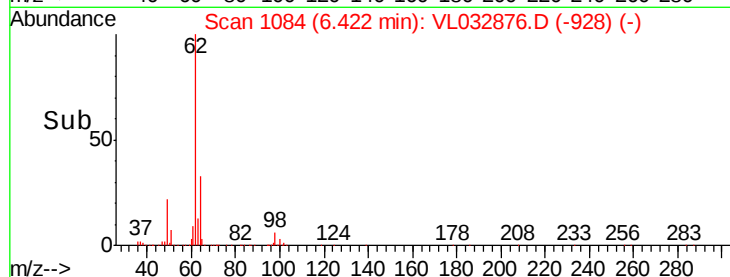
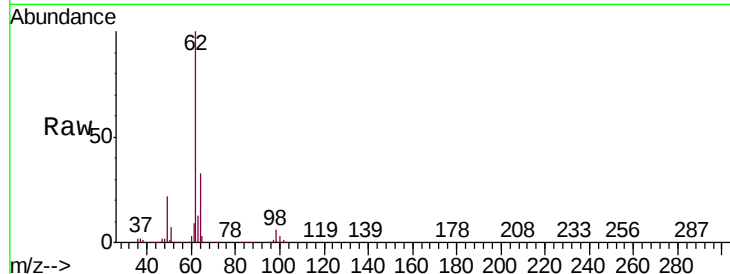




#37
 1,2-Dichloroethane
 Concen: 9.059 ppbv
 RT: 6.42 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

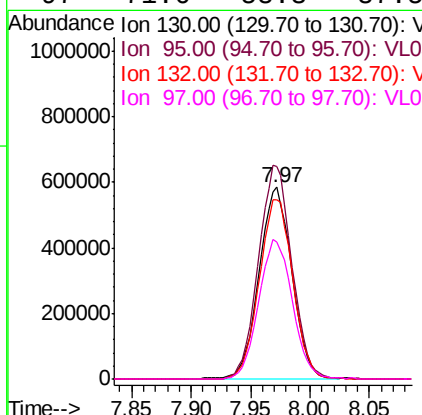
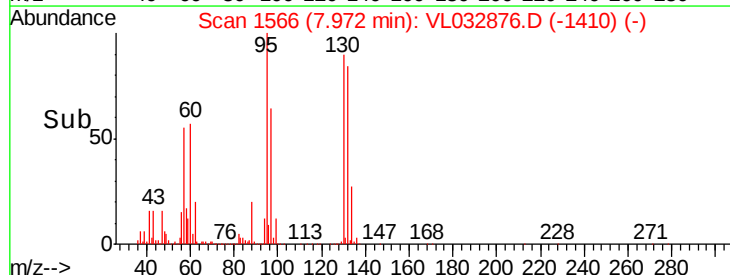
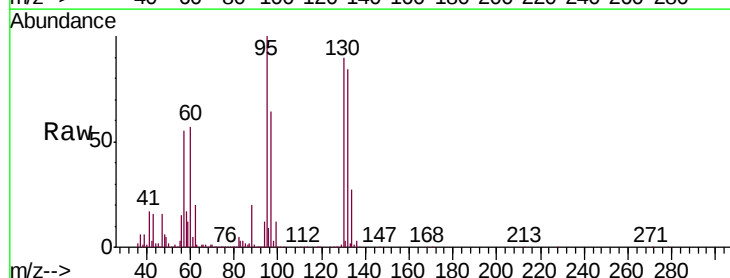
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

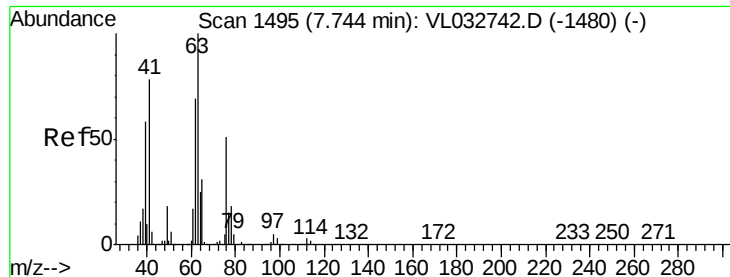
Tgt Ion: 62 Resp: 1750083
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.5 6.7



#38
 Trichloroethene
 Concen: 9.609 ppbv
 RT: 7.97 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion: 130 Resp: 1115986
 Ion Ratio Lower Upper
 130 100
 95 111.2 87.7 131.5
 132 93.4 74.6 111.8
 97 71.6 58.3 87.5





#39

1,2-Dichloropropane

Concen: 8.907 ppbv

RT: 7.75 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

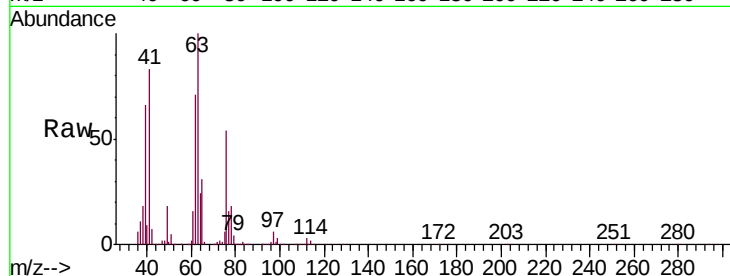
Tgt Ion: 63 Resp: 973964

Ion Ratio Lower Upper

63 100

41 83.1 62.0 93.0

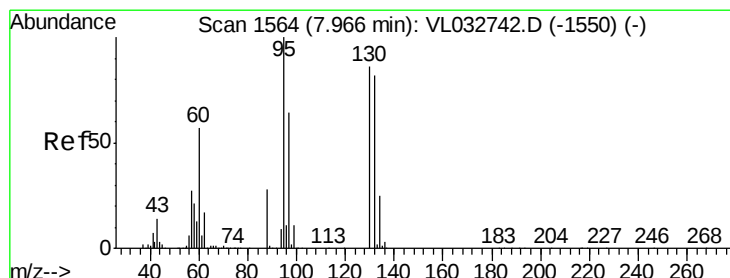
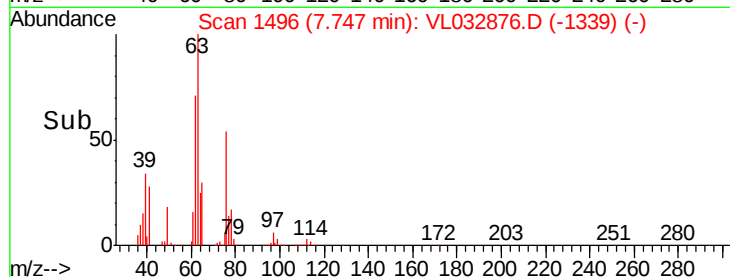
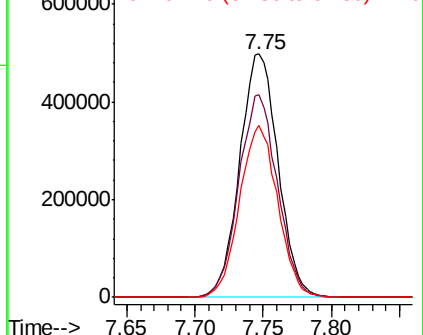
62 70.5 55.4 83.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.909 ppbv

RT: 7.97 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Tgt Ion: 88 Resp: 347932

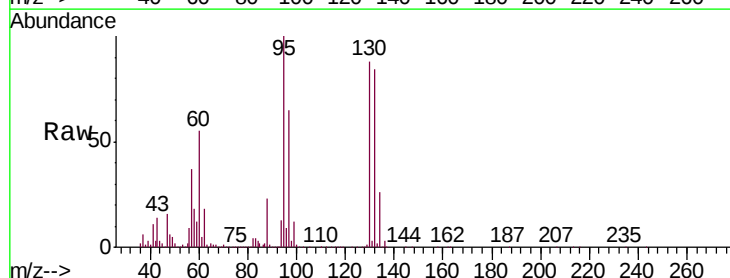
Ion Ratio Lower Upper

88 100

58 130.4 105.3 157.9

43 283.3 226.1 339.1

57 1269.8 1015.2 1522.8

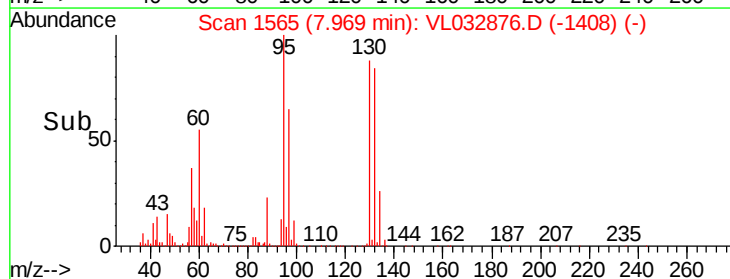
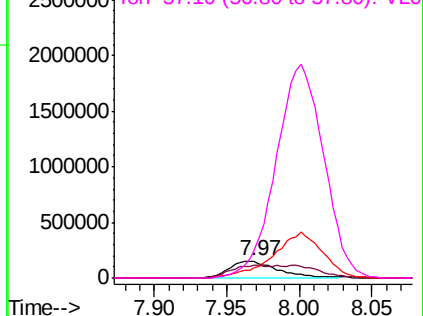


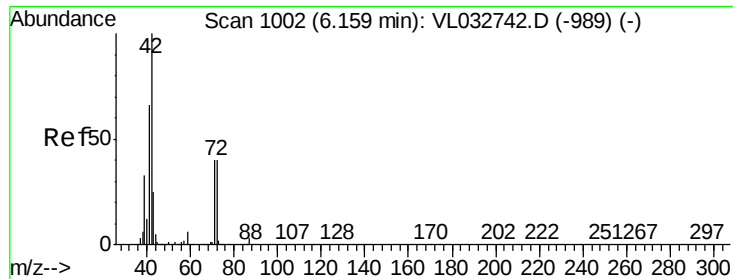
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

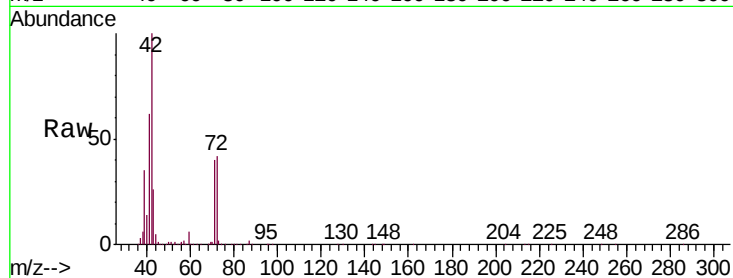




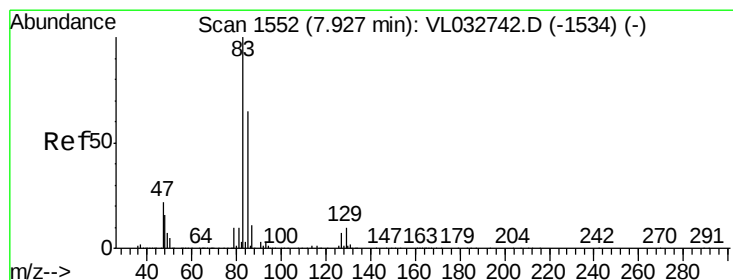
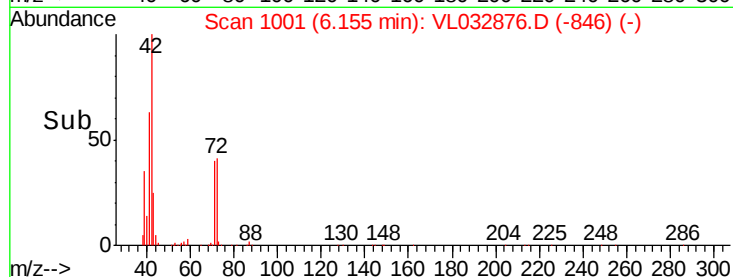
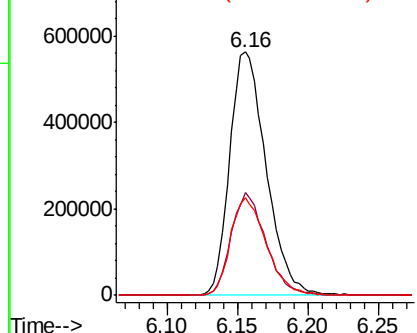
#41
Tetrahydrofuran
Concen: 9.514 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

Tgt Ion: 42 Resp: 1020066
Ion Ratio Lower Upper
42 100
72 40.3 32.4 48.6
71 39.4 31.6 47.4

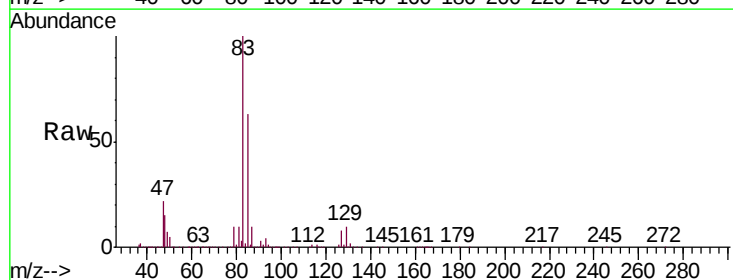


Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

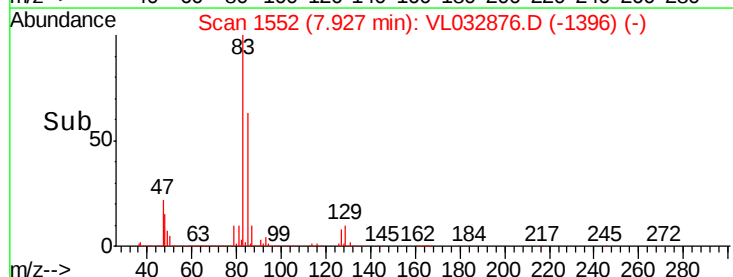
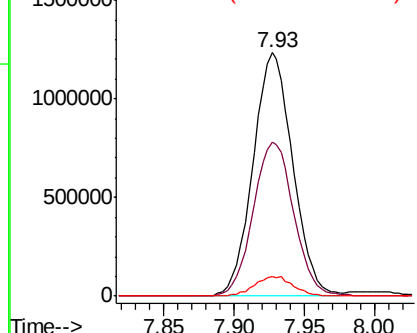


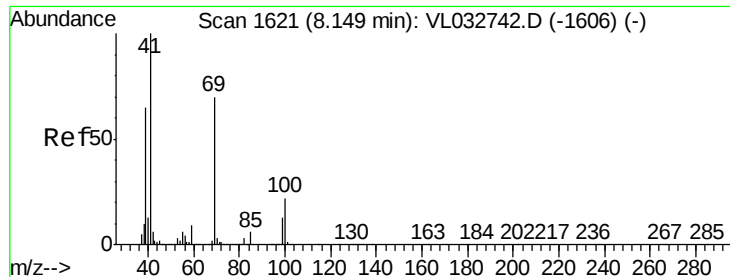
#42
Bromodichloromethane
Concen: 9.273 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion: 83 Resp: 2428515
Ion Ratio Lower Upper
83 100
85 63.0 51.8 77.8
127 7.8 5.9 8.9



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

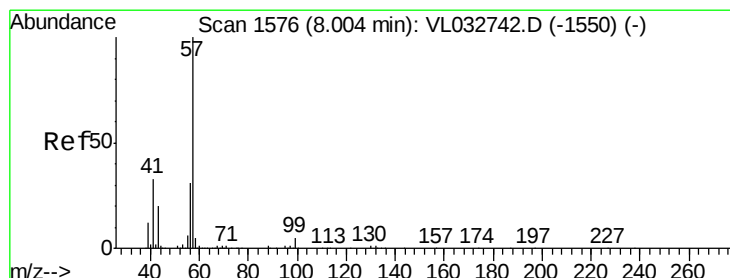
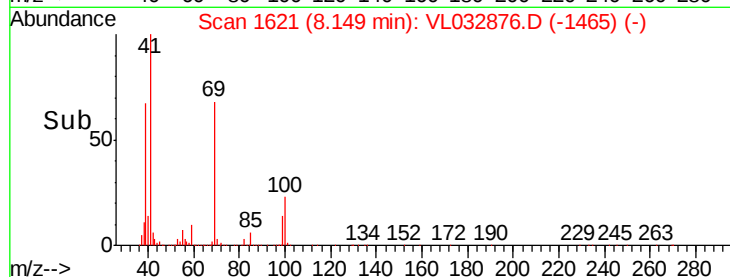
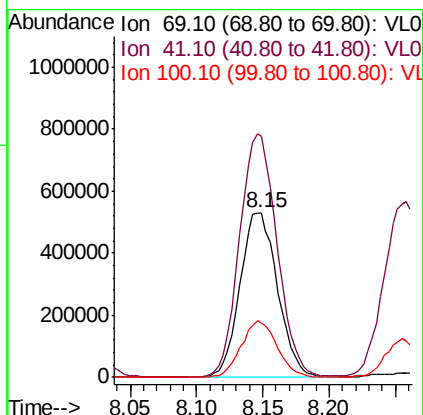
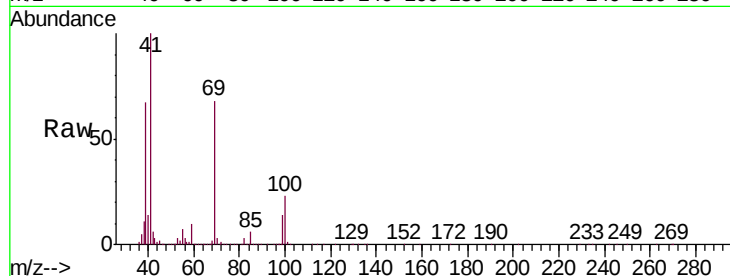




#43
Methyl Methacrylate
Concen: 9.759 ppbv
RT: 8.15 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

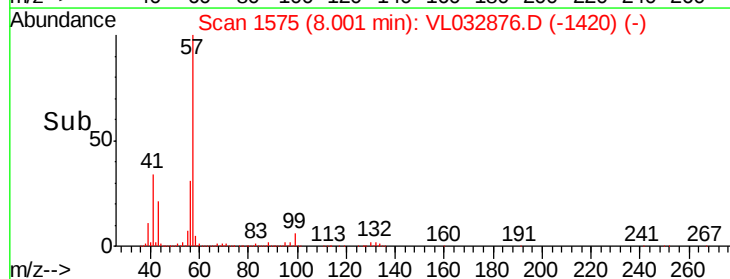
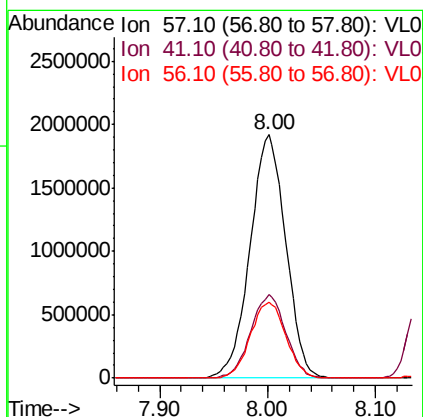
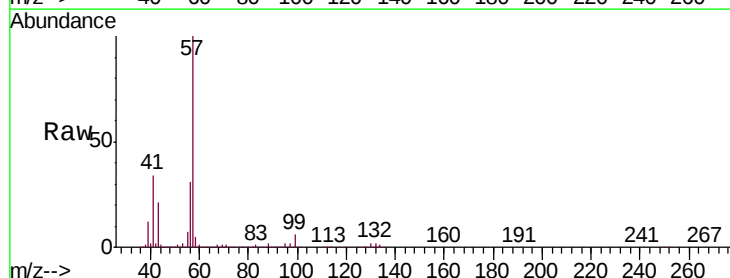
Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

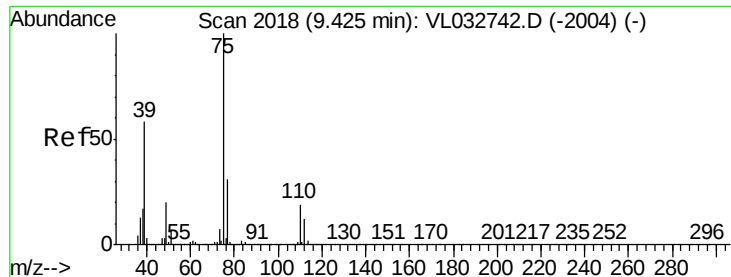
Tgt Ion: 69 Resp: 1045535
Ion Ratio Lower Upper
69 100
41 147.2 115.0 172.4
100 32.7 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 9.199 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion: 57 Resp: 4411731
Ion Ratio Lower Upper
57 100
41 33.9 26.6 39.8
56 31.1 24.8 37.2

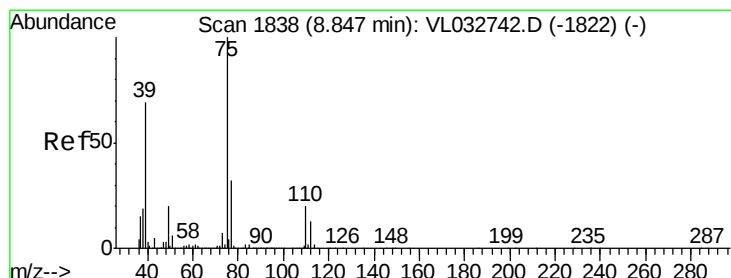
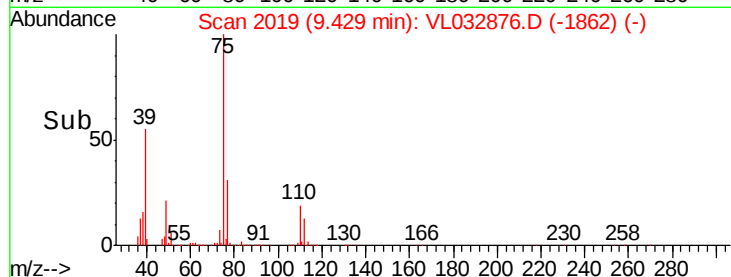
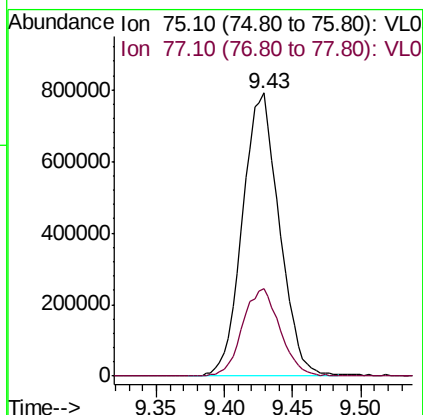
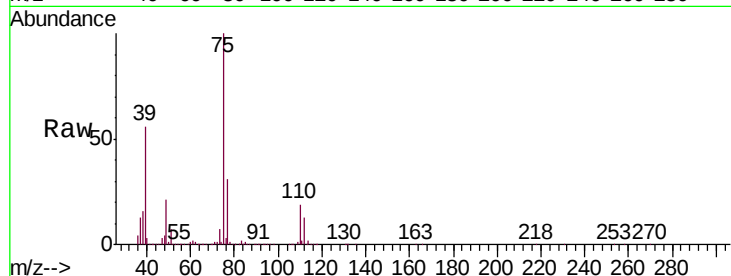




#45
 t-1,3-Dichloropropene
 Concen: 10.310 ppbv
 RT: 9.43 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

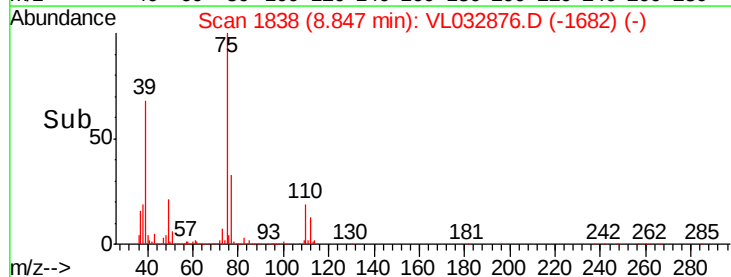
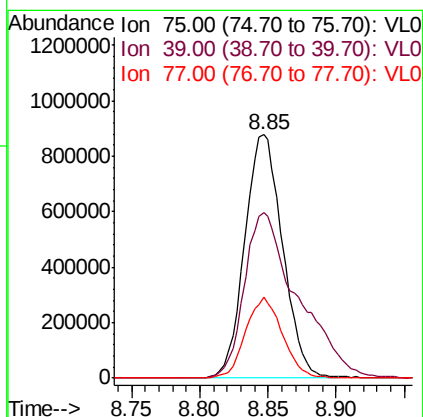
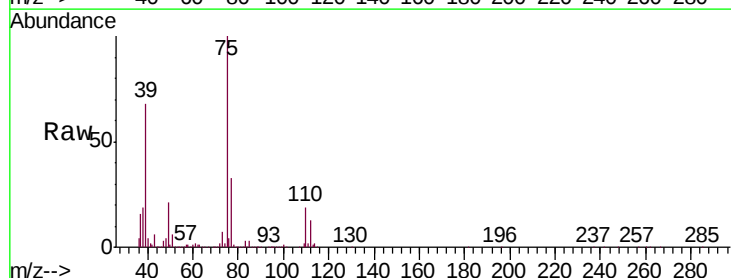
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

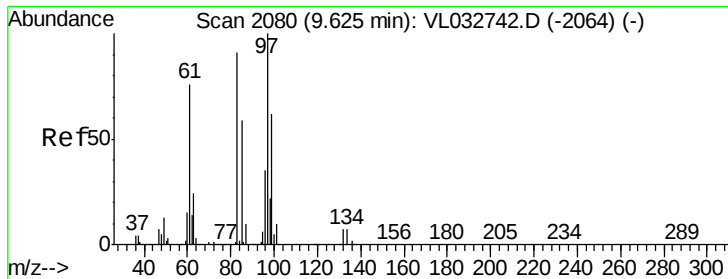
Tgt Ion: 75 Resp: 1482255
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.6 36.8



#46
 cis-1,3-Dichloropropene
 Concen: 9.747 ppbv
 RT: 8.85 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion: 75 Resp: 1693028
 Ion Ratio Lower Upper
 75 100
 39 68.0 55.2 82.8
 77 33.3 25.8 38.6

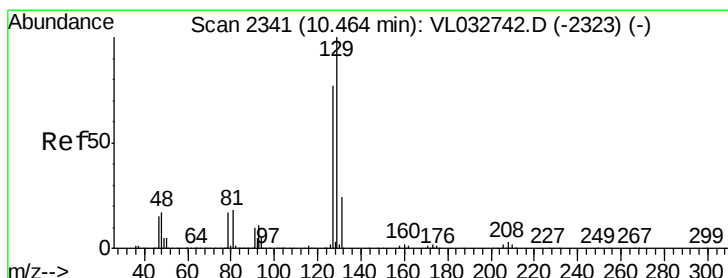
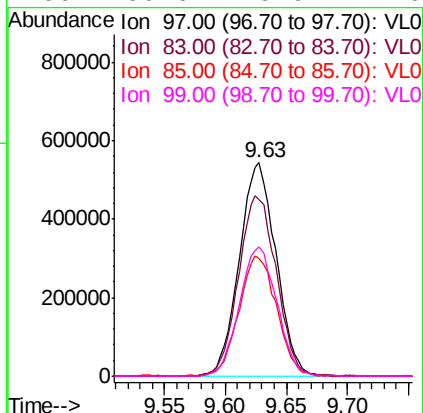
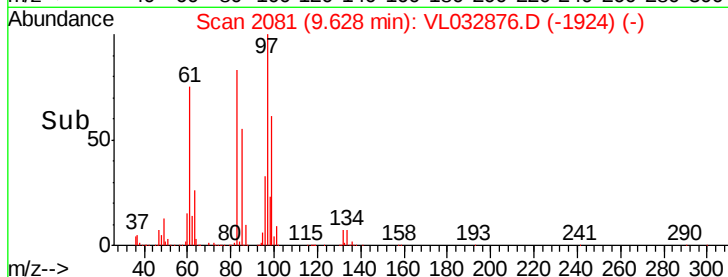
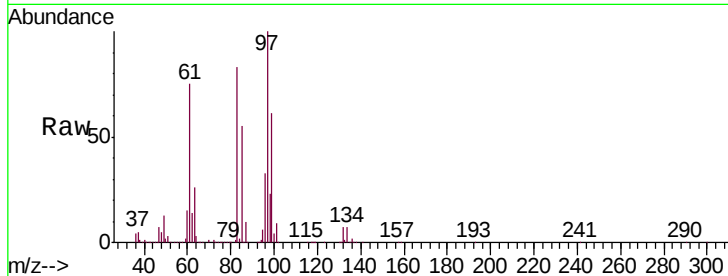




#47
 1,1,2-Trichloroethane
 Concen: 8.732 ppbv
 RT: 9.63 min Scan# 2081
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

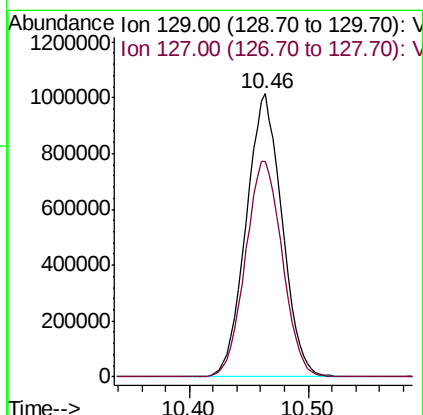
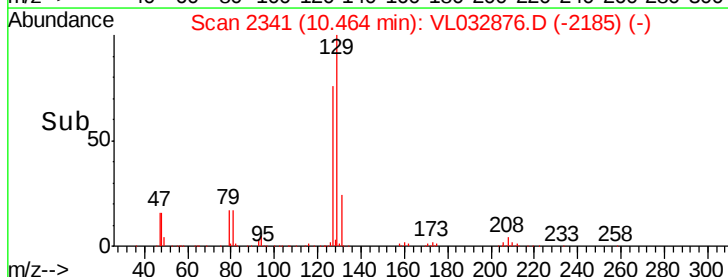
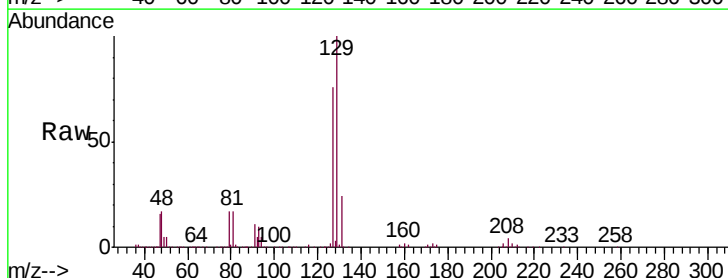
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

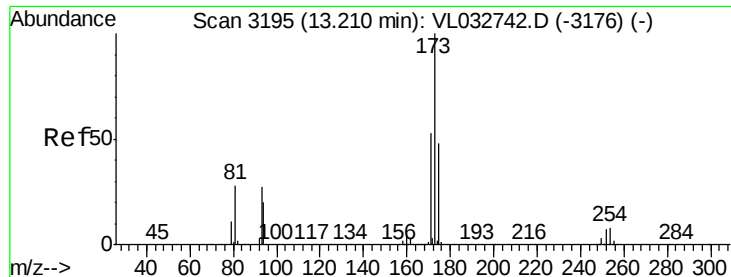
Tgt Ion: 97 Resp: 1128950
 Ion Ratio Lower Upper
 97 100
 83 82.6 73.0 109.4
 85 54.7 47.0 70.4
 99 60.6 49.9 74.9



#48
 Dibromochloromethane
 Concen: 9.615 ppbv
 RT: 10.46 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion: 129 Resp: 2112900
 Ion Ratio Lower Upper
 129 100
 127 78.6 39.0 117.0





#49

Bromoform

Concen: 10.315 ppbv

RT: 13.21 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

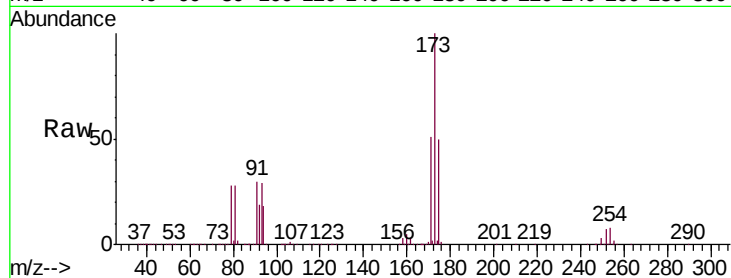
Tgt Ion:173 Resp: 1872097

Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.0

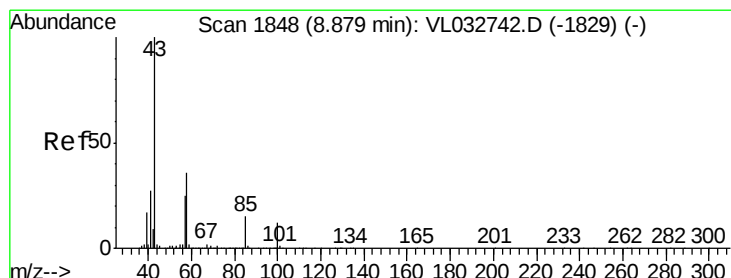
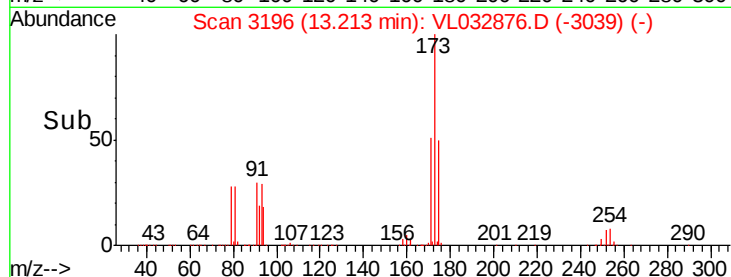
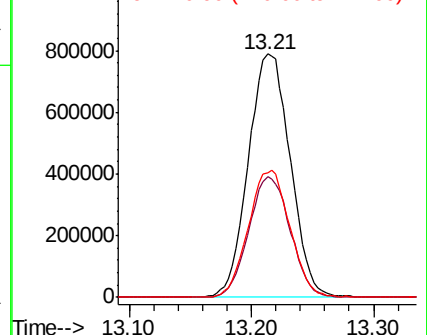
171 52.0 42.0 63.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.257 ppbv

RT: 8.88 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VL032876.D

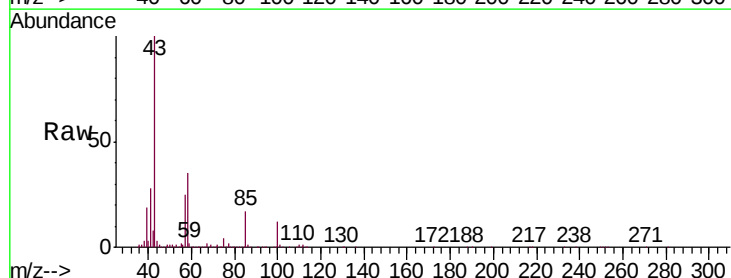
Acq: 4 Dec 2018 13:20

Tgt Ion: 43 Resp: 2702532

Ion Ratio Lower Upper

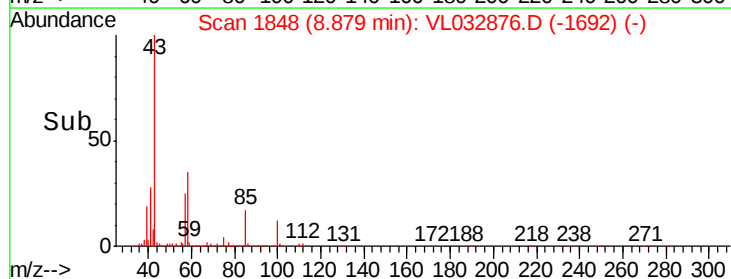
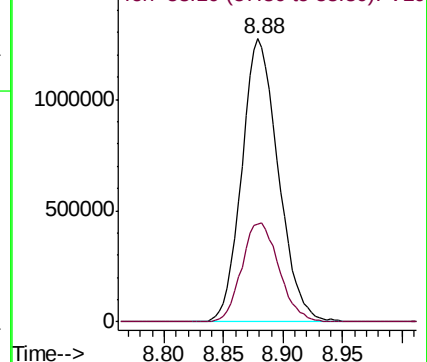
43 100

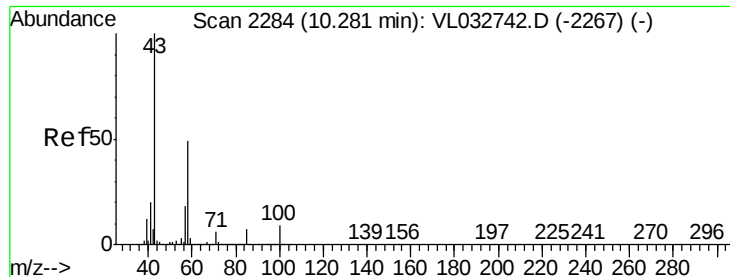
58 35.9 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

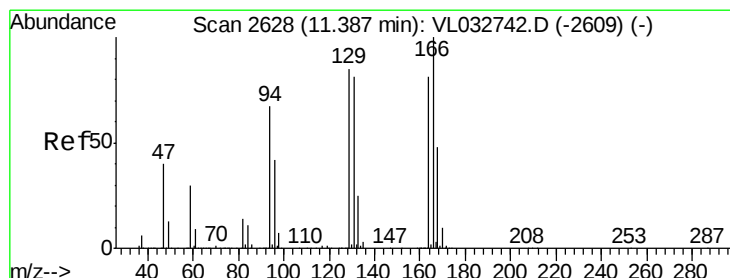
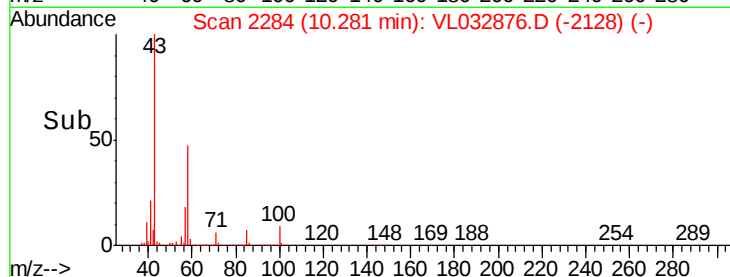
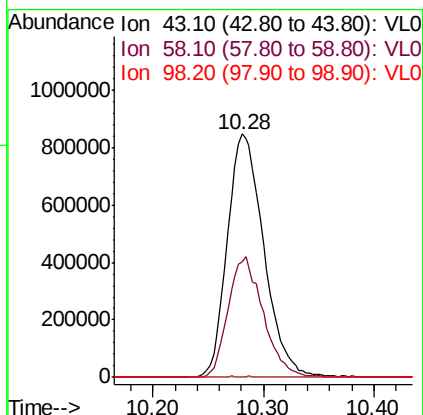
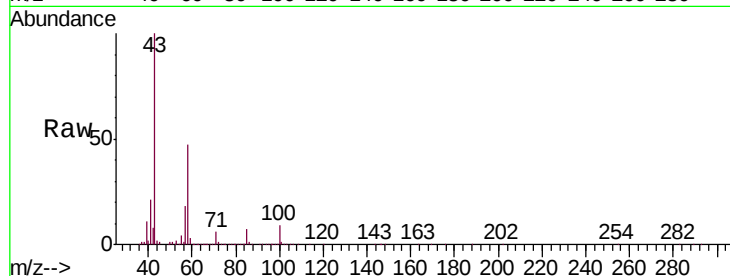




#51
2-Hexanone
Concen: 10.308 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

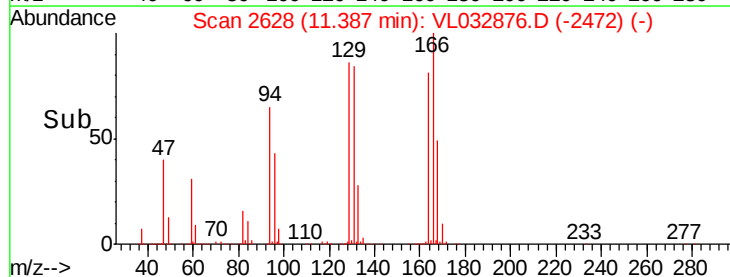
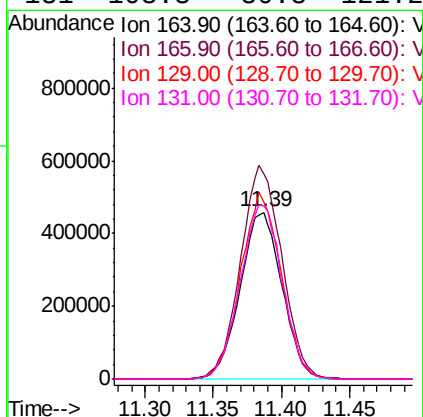
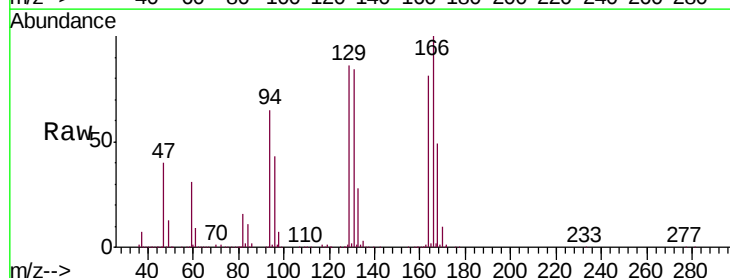
Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

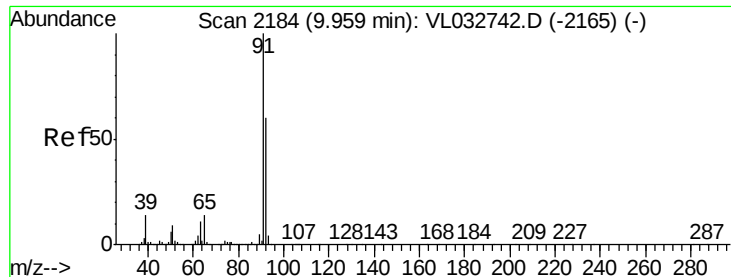
Tgt Ion: 43 Resp: 1938858
Ion Ratio Lower Upper
43 100
58 48.0 38.9 58.3
98 0.5 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.755 ppbv
RT: 11.39 min Scan# 2628
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion: 164 Resp: 973877
Ion Ratio Lower Upper
164 100
166 122.7 99.3 148.9
129 105.8 83.9 125.9
131 103.3 80.8 121.2





#53

Toluene

Concen: 11.149 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

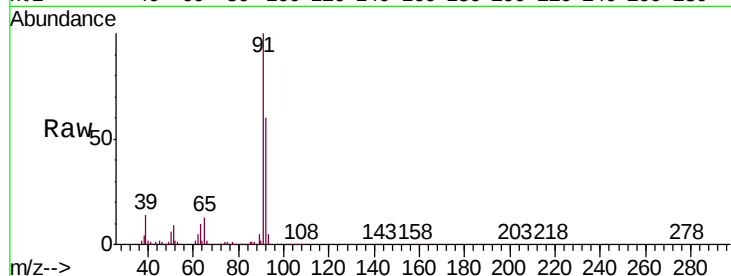
VL1204ABS01

Tgt Ion: 91 Resp: 3337879

Ion Ratio Lower Upper

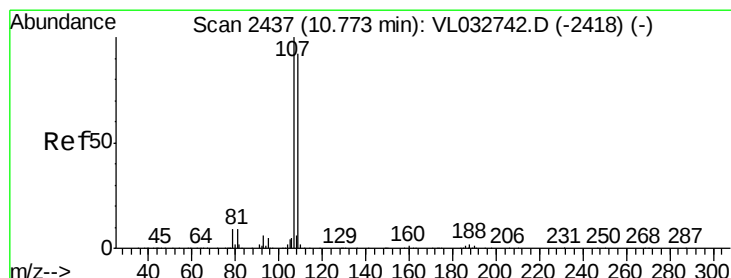
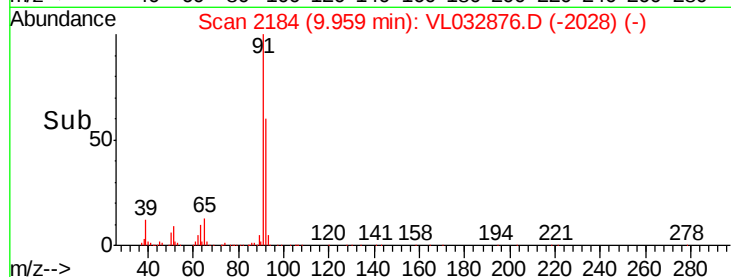
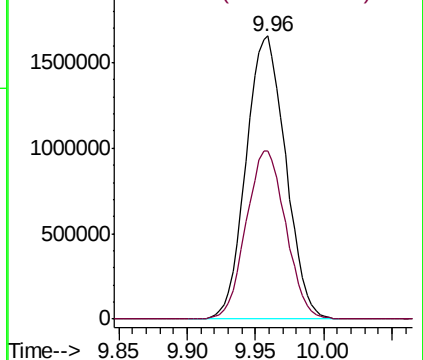
91 100

92 59.7 47.9 71.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.720 ppbv

RT: 10.77 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL032876.D

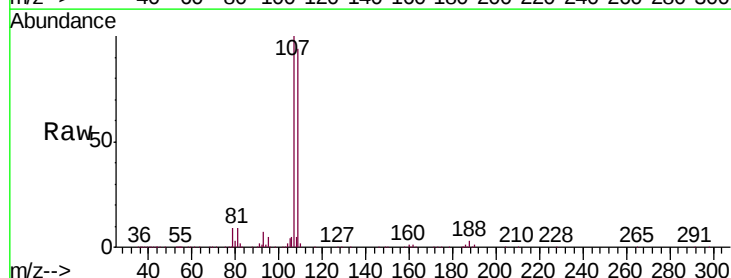
Acq: 4 Dec 2018 13:20

Tgt Ion: 107 Resp: 1776571

Ion Ratio Lower Upper

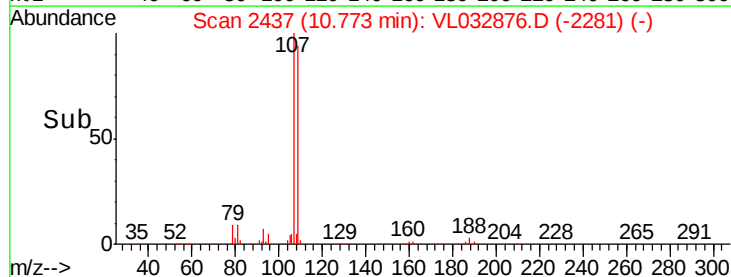
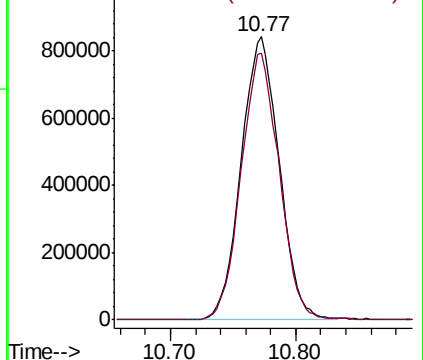
107 100

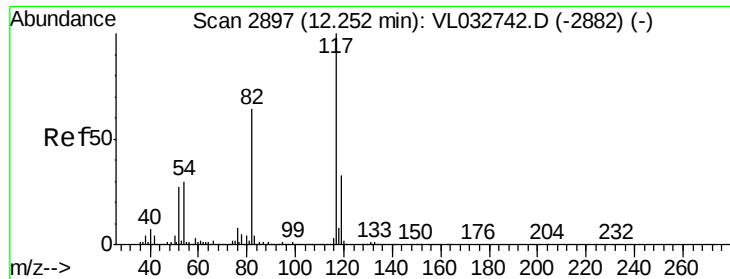
109 94.3 73.8 110.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

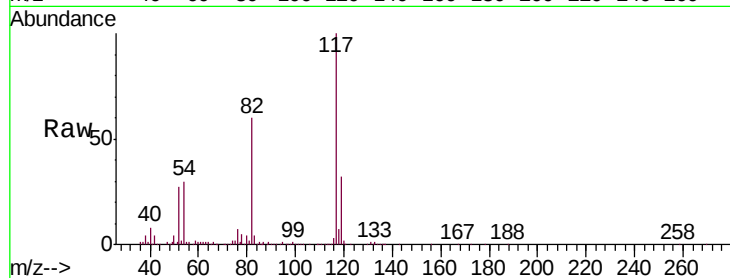




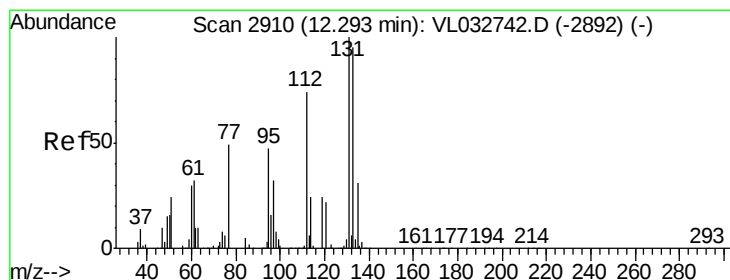
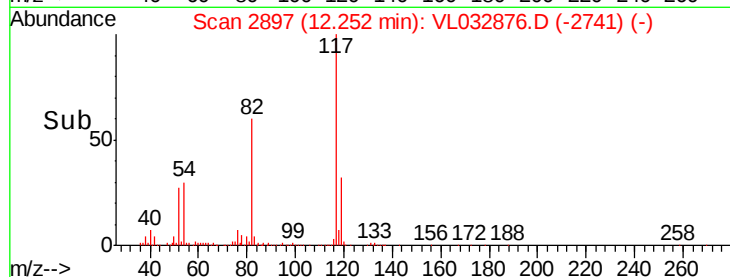
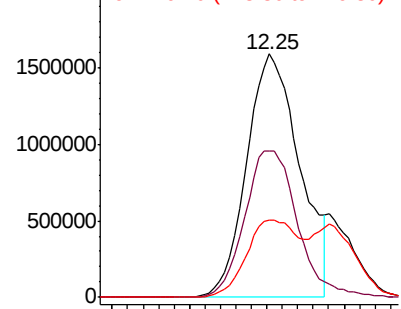
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

Tgt Ion:117 Resp: 3808329
Ion Ratio Lower Upper
117 100
82 60.0 51.0 76.6
119 30.8 28.0 42.0

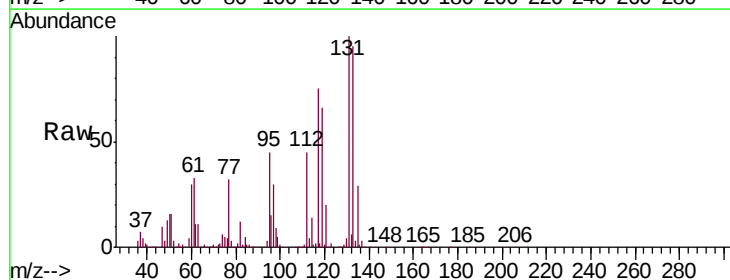


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

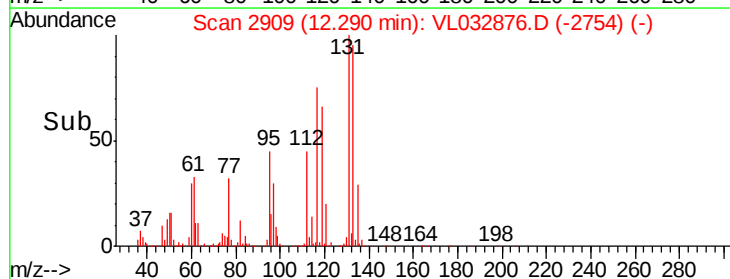
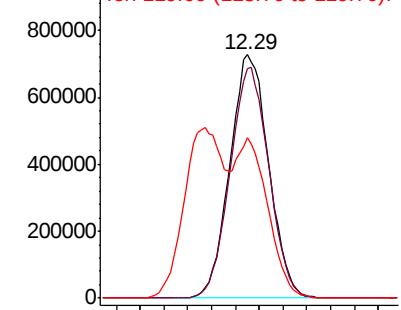


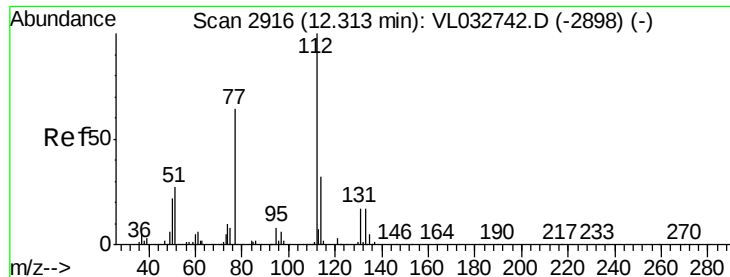
#56
1,1,1,2-Tetrachloroethane
Concen: 9.243 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion:131 Resp: 1641856
Ion Ratio Lower Upper
131 100
133 94.9 75.8 113.6
119 53.0 45.2 67.8



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

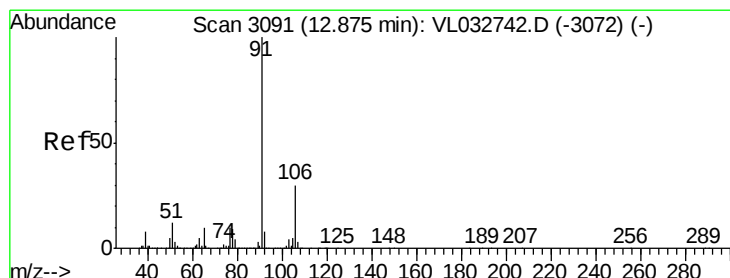
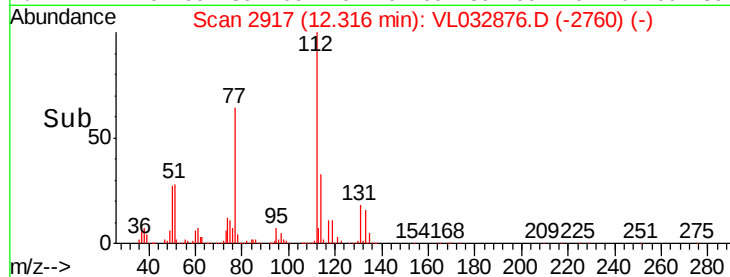
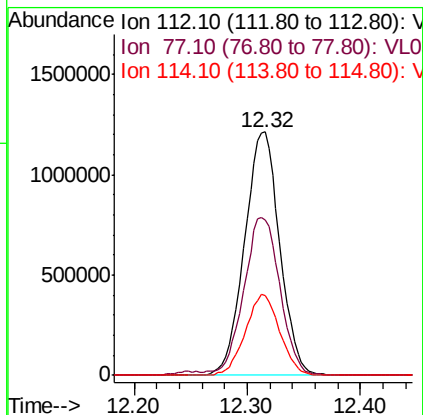
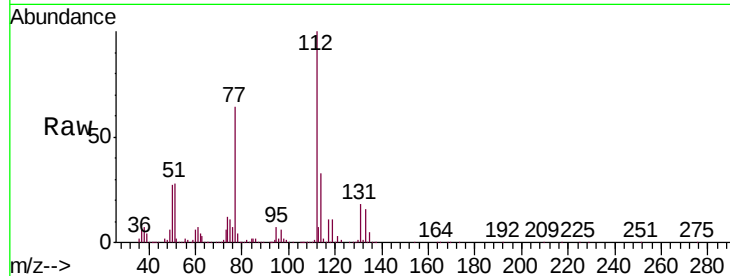




#57
Chlorobenzene
Concen: 8.981 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

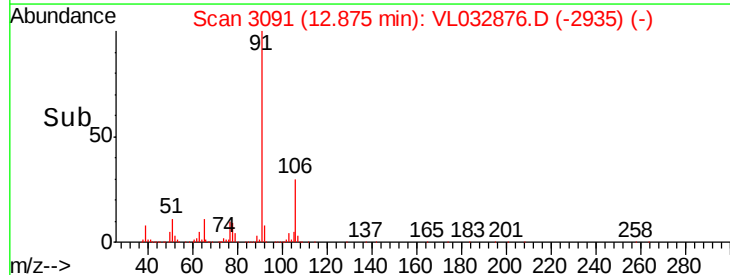
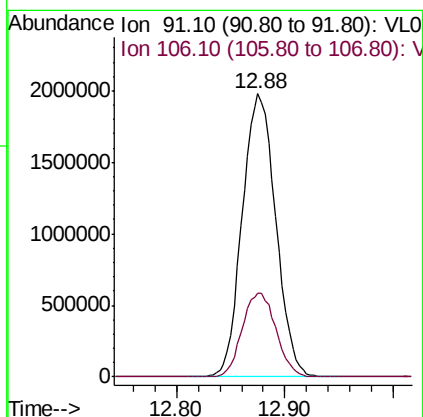
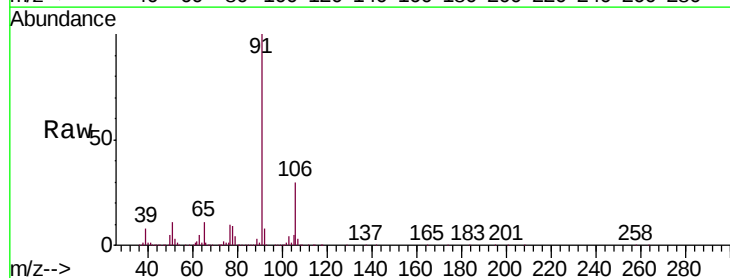
Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

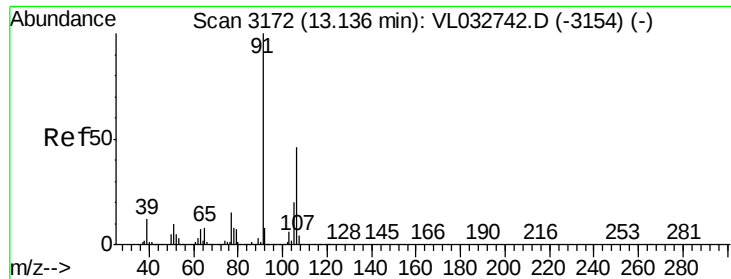
Tgt Ion: 112 Resp: 2618245
Ion Ratio Lower Upper
112 100
77 63.7 52.3 78.5
114 32.5 28.4 34.8



#58
Ethyl Benzene
Concen: 9.329 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion: 91 Resp: 4275842
Ion Ratio Lower Upper
91 100
106 29.6 23.6 35.4





#59

m/p-Xylene

Concen: 9.065 ppbv

RT: 13.14 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

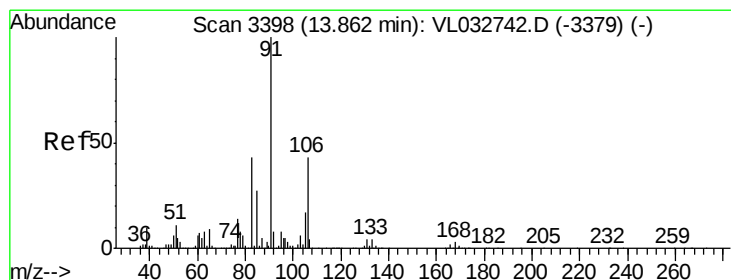
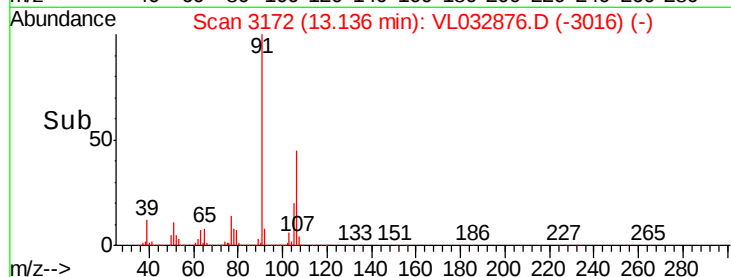
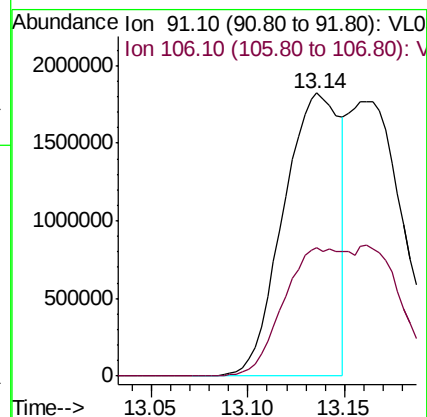
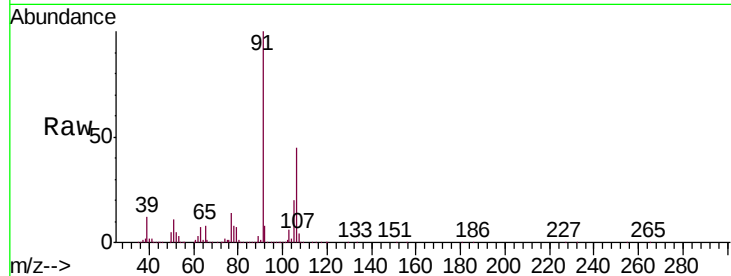
VL1204ABS01

Tgt Ion: 91 Resp: 3698644

Ion Ratio Lower Upper

91 100

106 0.0 36.1 54.1#



#60

o-Xylene

Concen: 8.682 ppbv

RT: 13.86 min Scan# 3397

Delta R.T. -0.00 min

Lab File: VL032876.D

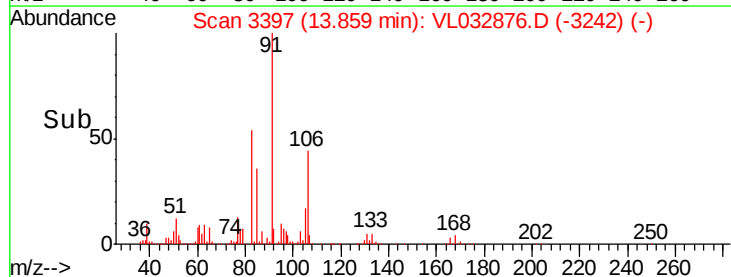
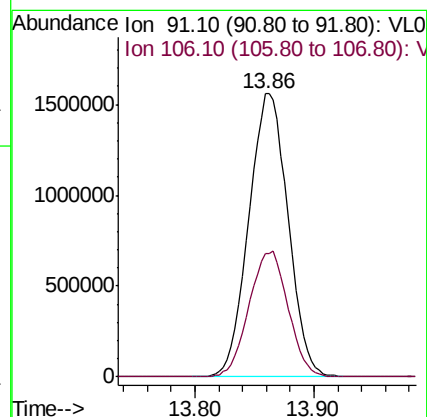
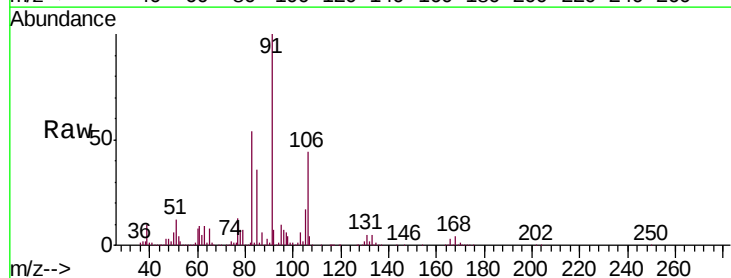
Acq: 4 Dec 2018 13:20

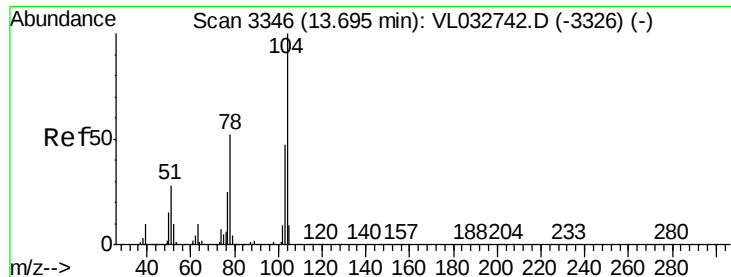
Tgt Ion: 91 Resp: 3561655

Ion Ratio Lower Upper

91 100

106 44.1 21.9 65.7





#61

Styrene

Concen: 9.735 ppbv

RT: 13.70 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

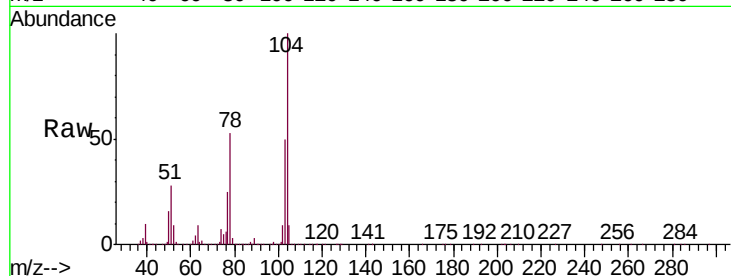
Tgt Ion:104 Resp: 2599950

Ion Ratio Lower Upper

104 100

78 52.5 42.2 63.4

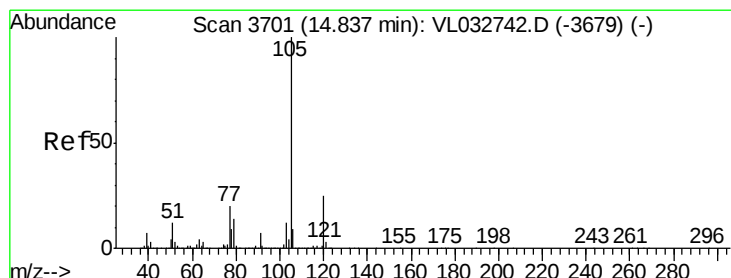
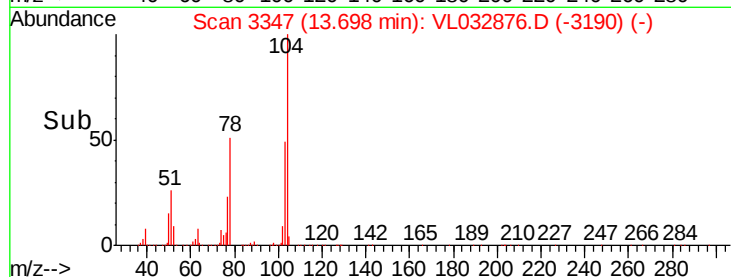
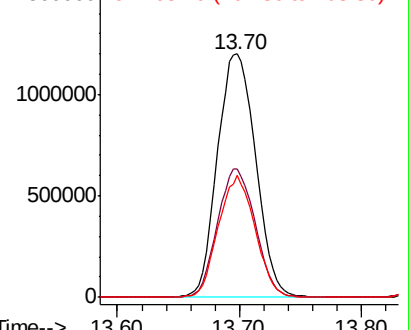
103 48.1 38.2 57.2



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: 9.160 ppbv

RT: 14.84 min Scan# 3702

Delta R.T. 0.00 min

Lab File: VL032876.D

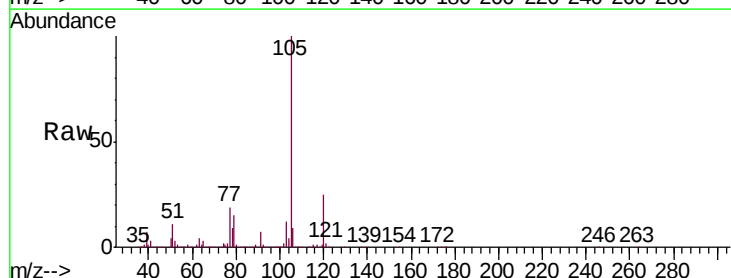
Acq: 4 Dec 2018 13:20

Tgt Ion:105 Resp: 5079617

Ion Ratio Lower Upper

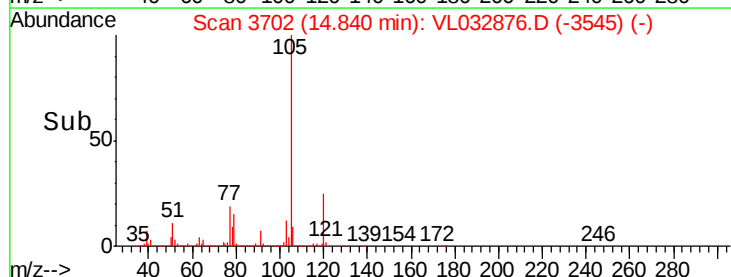
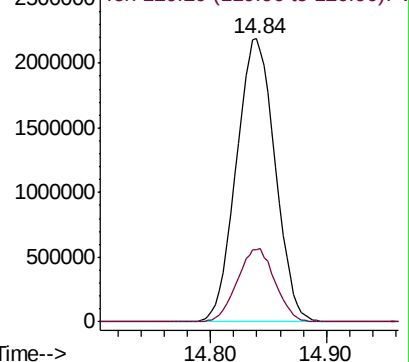
105 100

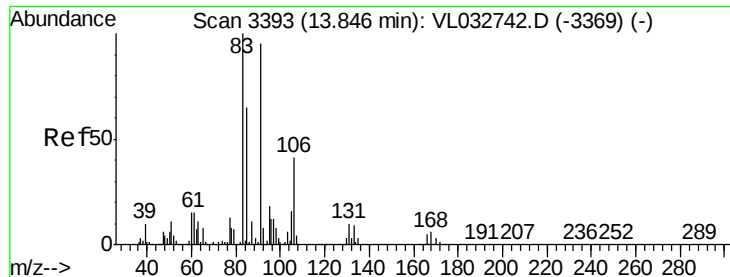
120 25.4 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

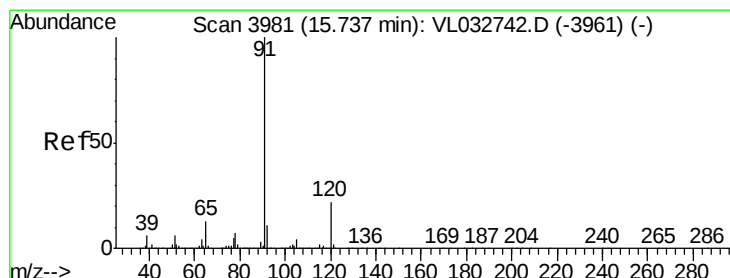
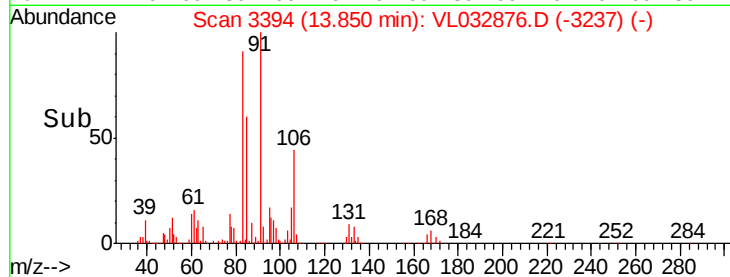
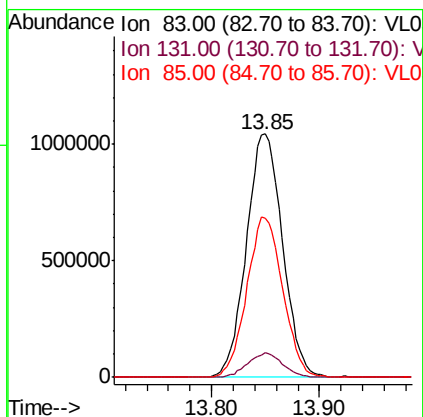
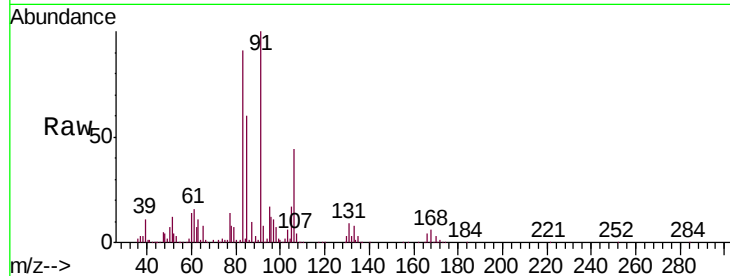




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.617 ppbv
 RT: 13.85 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

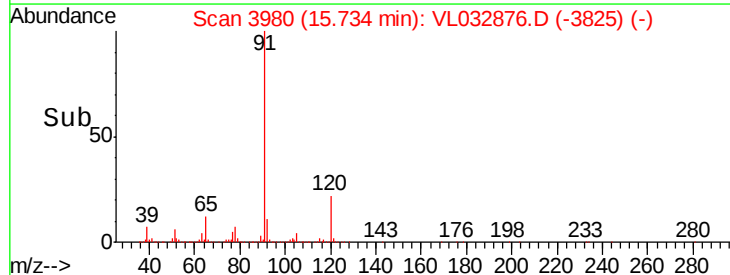
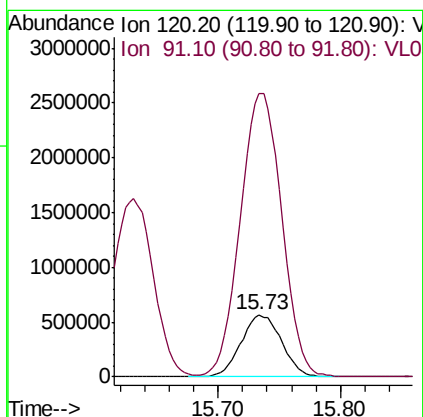
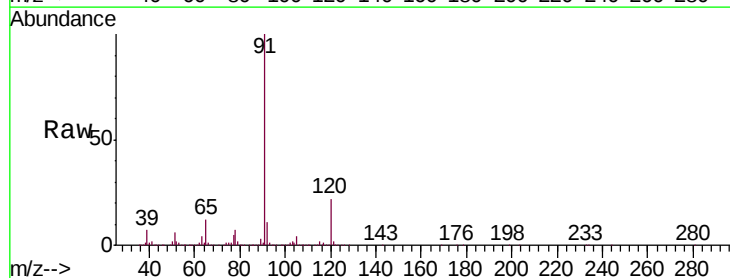
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

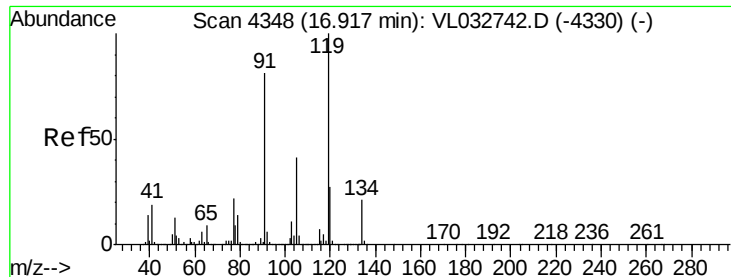
Tgt Ion: 83 Resp: 2436070
 Ion Ratio Lower Upper
 83 100
 131 9.9 4.7 14.1
 85 65.5 32.5 97.4



#64
 n-propylbenzene
 Concen: 8.913 ppbv
 RT: 15.73 min Scan# 3980
 Delta R.T. -0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion: 120 Resp: 1299943
 Ion Ratio Lower Upper
 120 100
 91 468.9 381.7 572.5

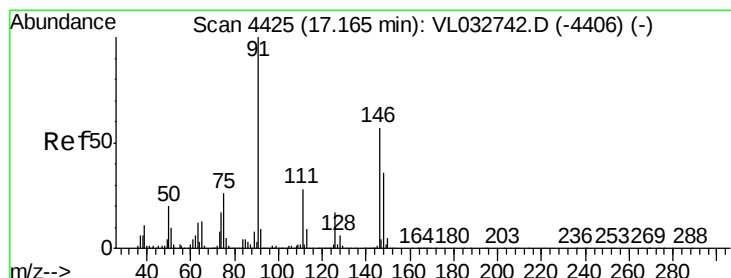
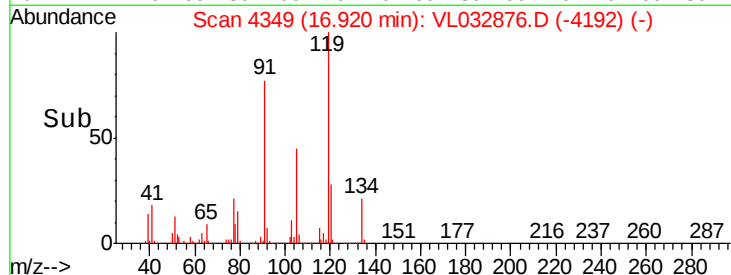
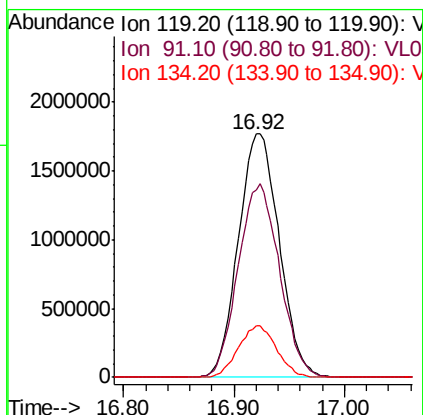
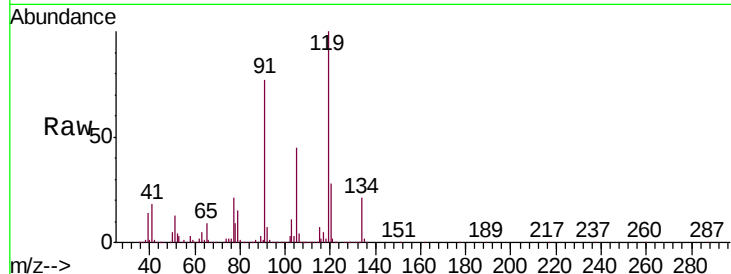




#65
 tert-Butylbenzene
 Concen: 9.139 ppbv
 RT: 16.92 min Scan# 4349
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

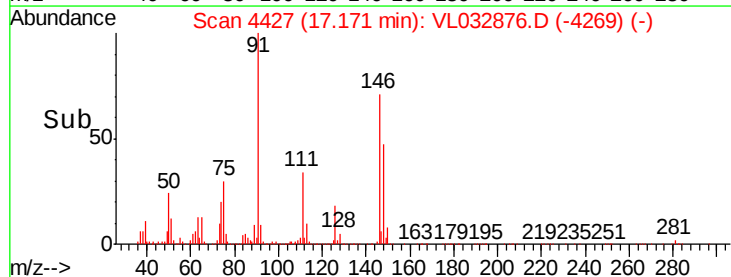
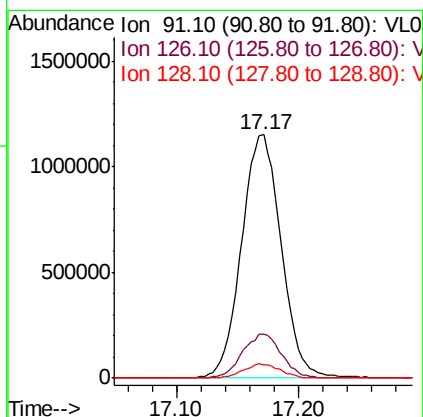
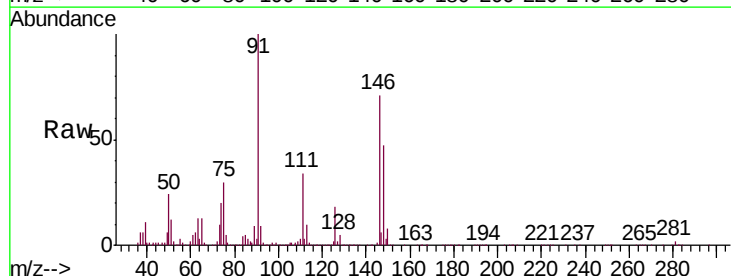
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

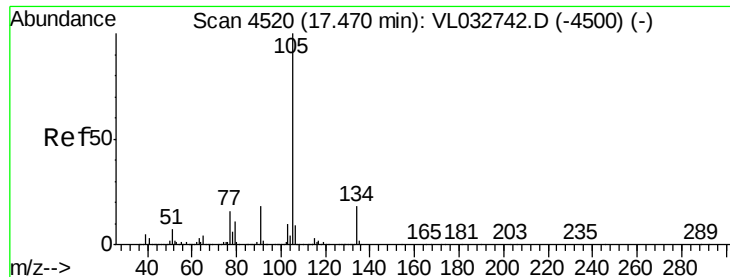
Tgt Ion: 119 Resp: 4542861
 Ion Ratio Lower Upper
 119 100
 91 80.6 65.6 98.4
 134 19.9 15.9 23.9



#66
 Benzyl Chloride
 Concen: 9.360 ppbv
 RT: 17.17 min Scan# 4427
 Delta R.T. 0.01 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion: 91 Resp: 2572177
 Ion Ratio Lower Upper
 91 100
 126 18.0 14.2 21.2
 128 5.6 4.5 6.7

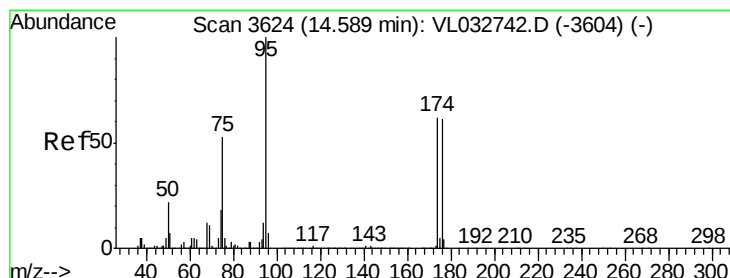
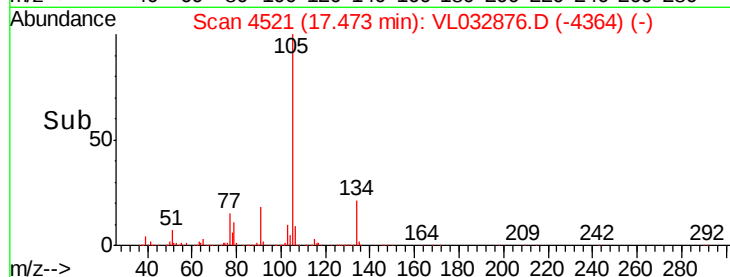
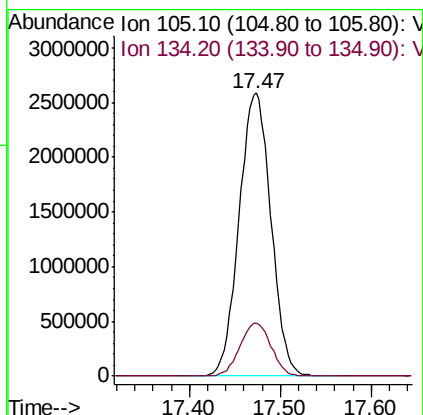
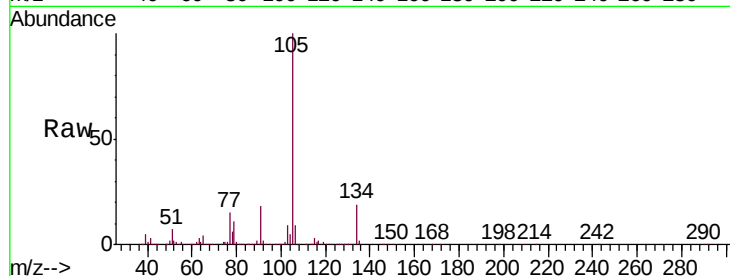




#67
 sec-Butylbenzene
 Concen: 8.764 ppbv
 RT: 17.47 min Scan# 4521
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

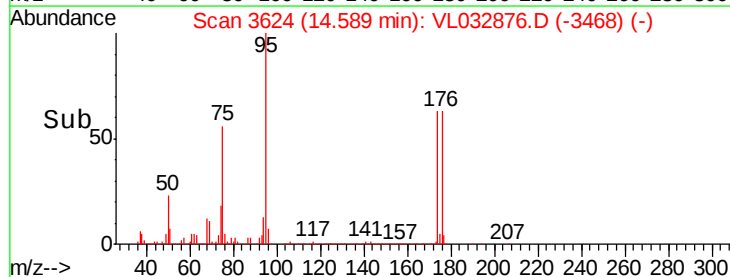
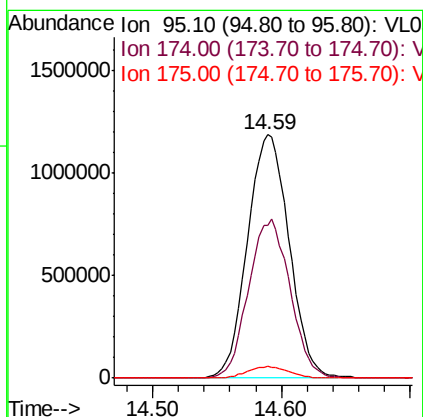
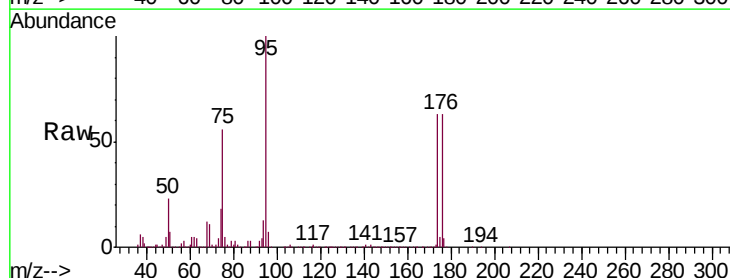
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

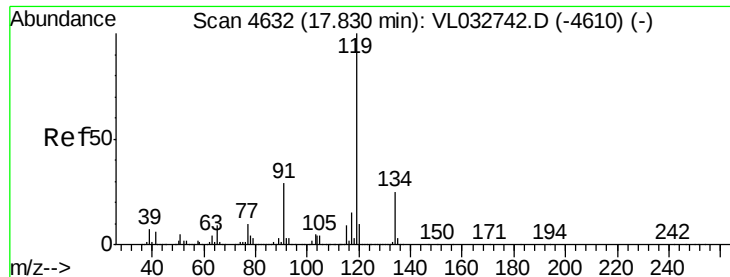
Tgt Ion: 105 Resp: 6278097
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.355 ppbv
 RT: 14.59 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion: 95 Resp: 2664839
 Ion Ratio Lower Upper
 95 100
 174 65.2 50.7 76.1
 175 4.8 3.8 5.6





#69

p-Isopropyltoluene

Concen: 9.044 ppbv

RT: 17.83 min Scan# 4632

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

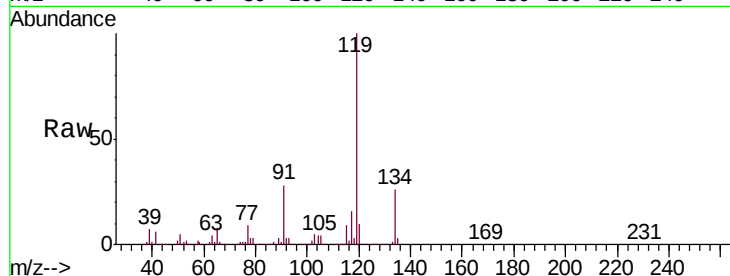
Tgt Ion: 119 Resp: 5151291

Ion Ratio Lower Upper

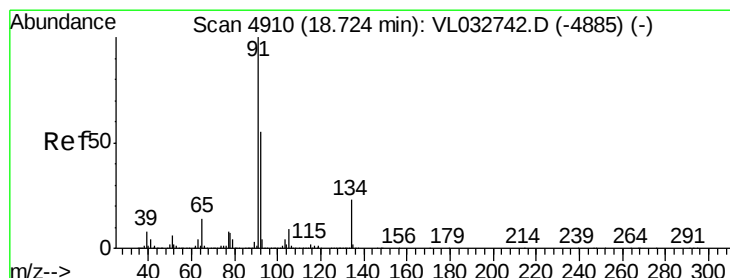
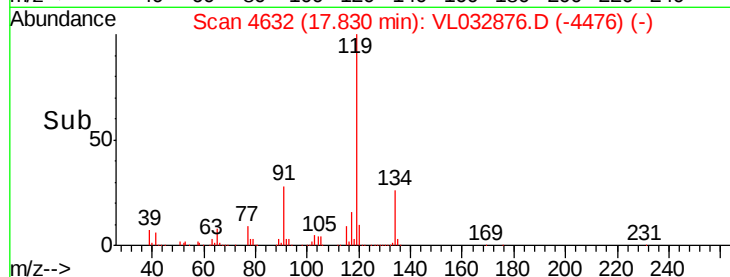
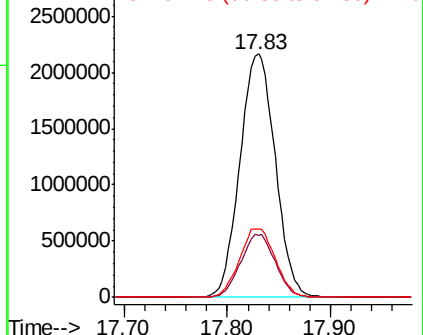
119 100

134 25.3 20.2 30.4

91 28.6 23.5 35.3



Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 8.808 ppbv

RT: 18.73 min Scan# 4911

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

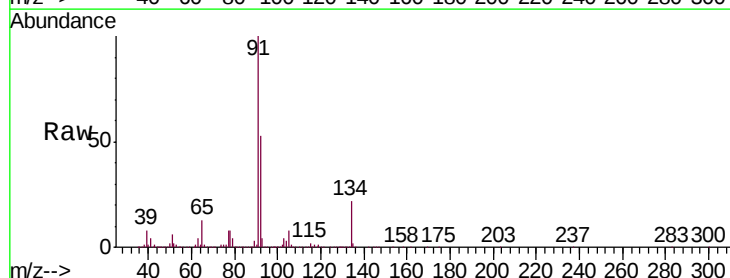
Tgt Ion: 91 Resp: 5094453

Ion Ratio Lower Upper

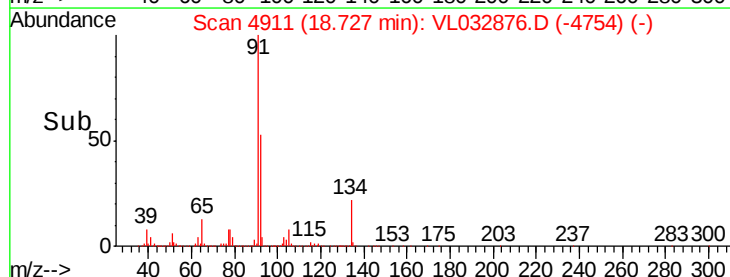
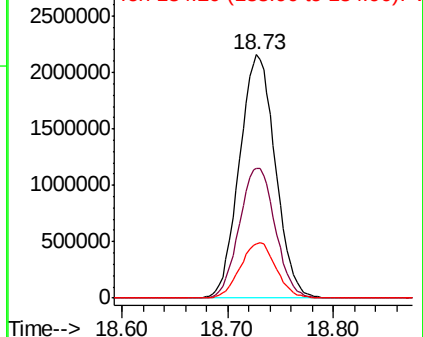
91 100

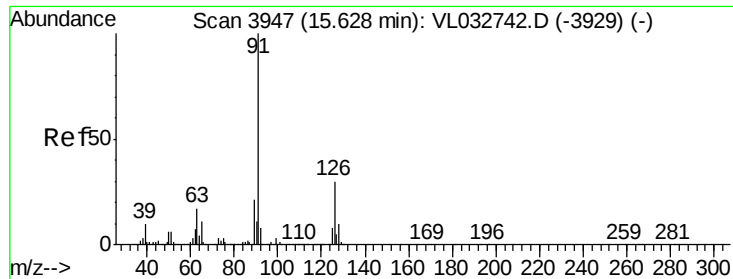
92 53.7 42.9 64.3

134 22.7 17.8 26.8



Abundance Ion 91.10 (90.80 to 91.80): V
Ion 92.10 (91.80 to 92.80): V
Ion 134.20 (133.90 to 134.90): V

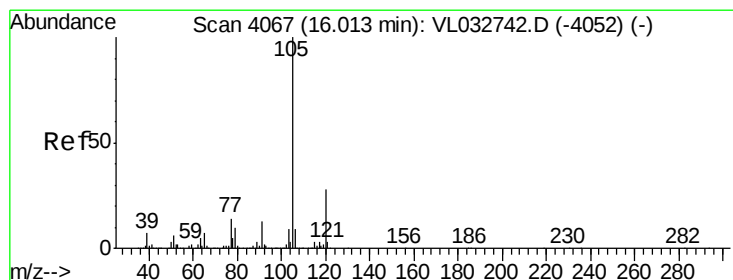
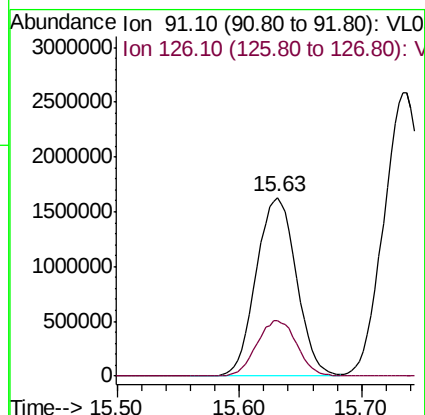
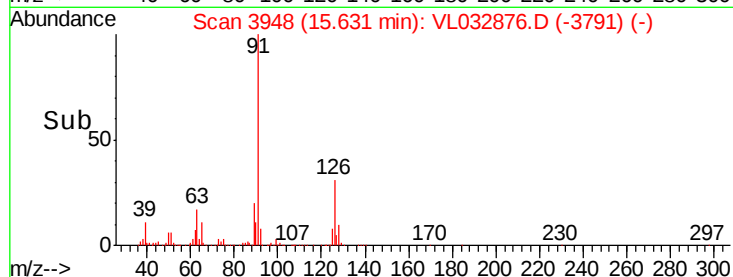
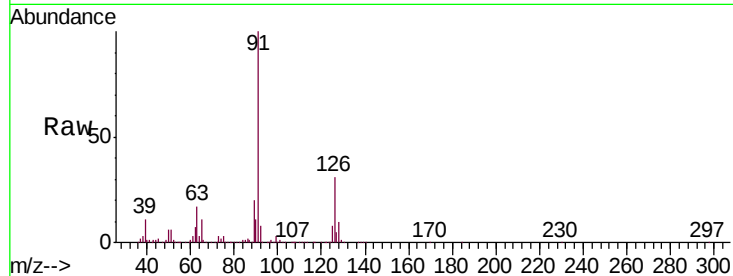




#71
2-Chlorotoluene
Concen: 9.012 ppbv
RT: 15.63 min Scan# 3948
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

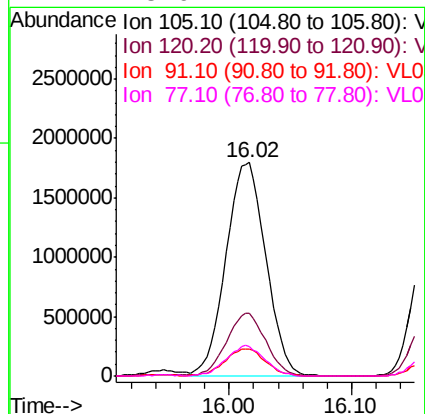
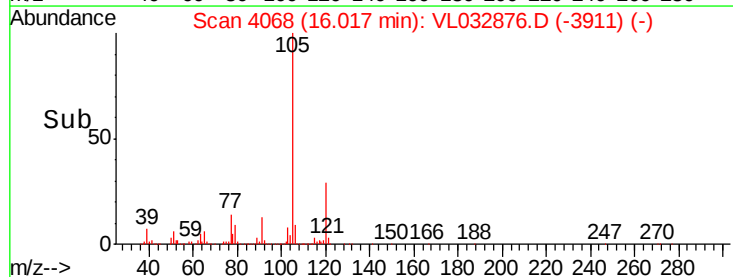
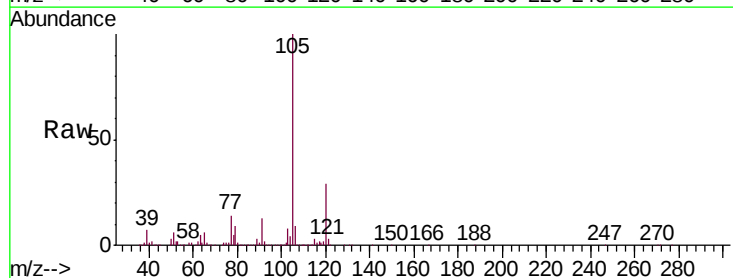
Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

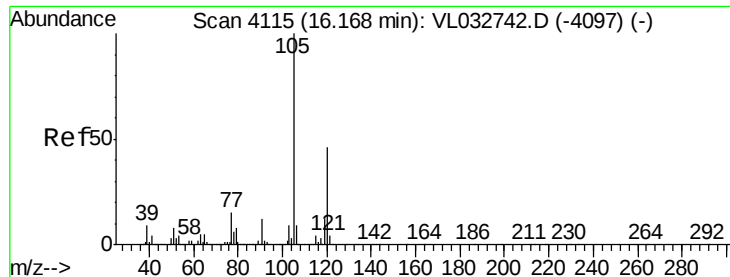
Tgt Ion: 91 Resp: 3726704
Ion Ratio Lower Upper
91 100
126 31.2 12.1 48.5



#72
4-Ethyltoluene
Concen: 9.071 ppbv
RT: 16.02 min Scan# 4068
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion: 105 Resp: 4078768
Ion Ratio Lower Upper
105 100
120 29.7 22.9 34.3
91 12.9 10.6 15.8
77 13.9 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 8.974 ppbv

RT: 16.17 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

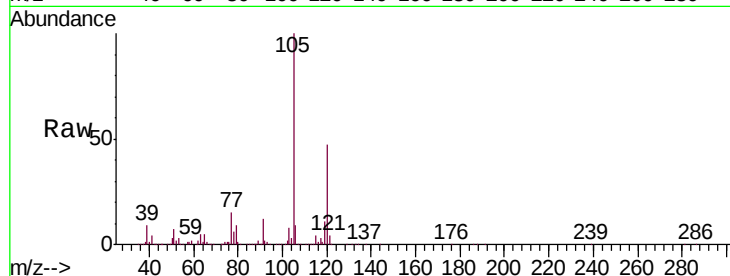
VL1204ABS01

Tgt Ion:105 Resp: 3945494

Ion Ratio Lower Upper

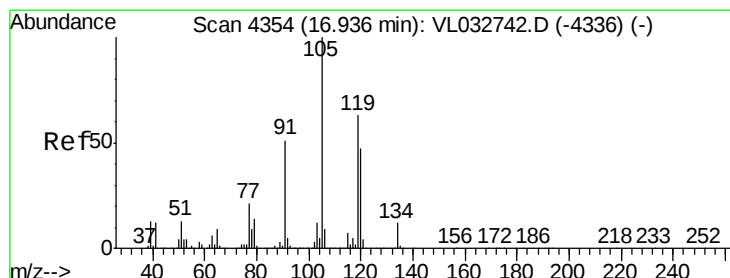
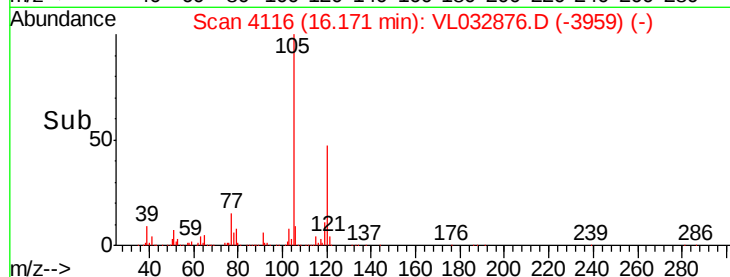
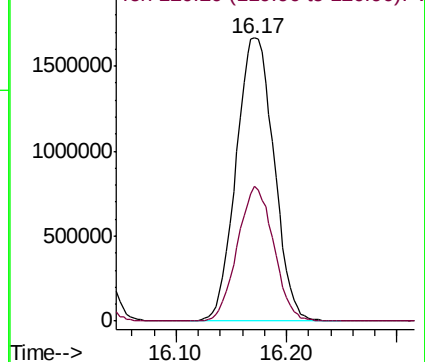
105 100

120 47.5 36.6 55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.486 ppbv

RT: 16.94 min Scan# 4355

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Tgt Ion:105 Resp: 3992330

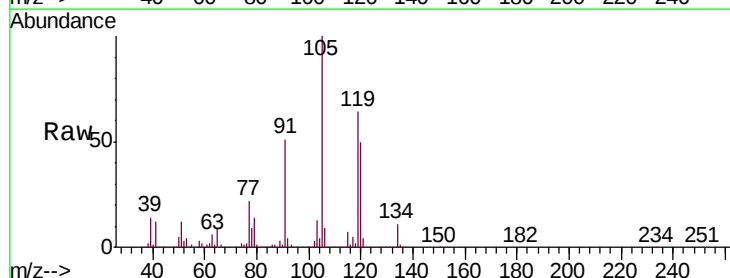
Ion Ratio Lower Upper

105 100

120 50.0 37.6 56.4

91 51.2 42.5 63.7

77 22.1 17.4 26.2

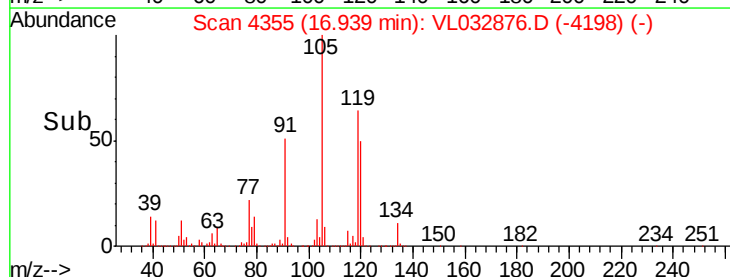
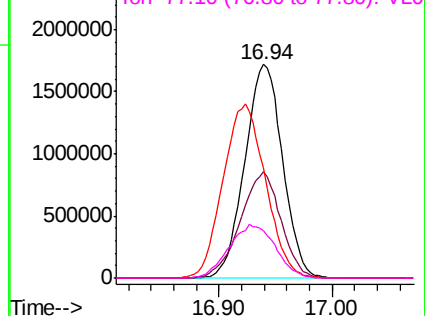


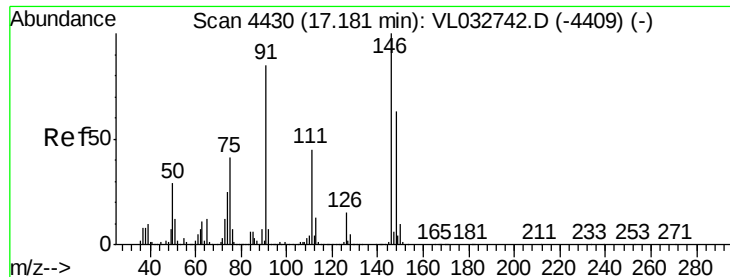
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

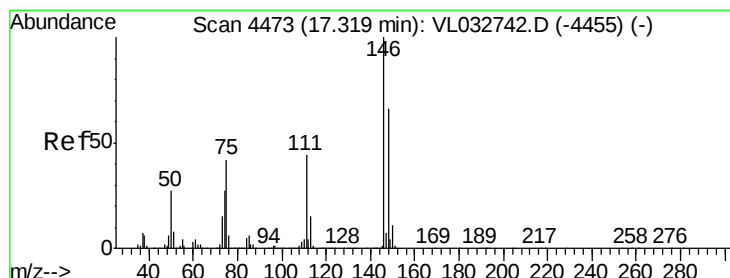
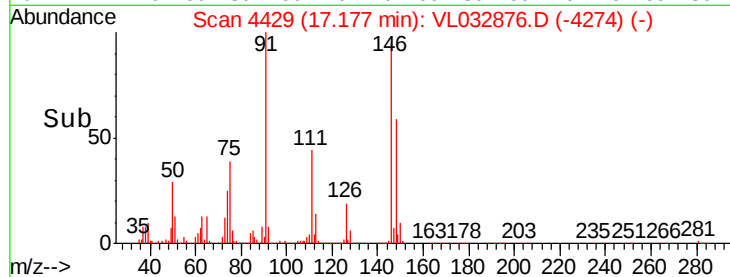
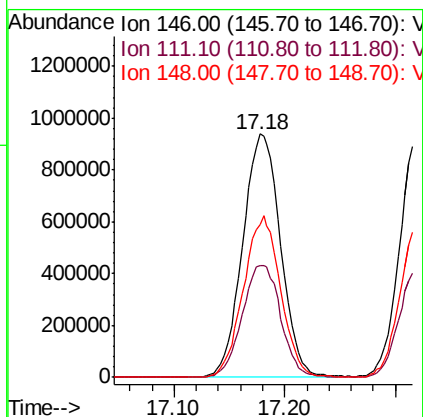
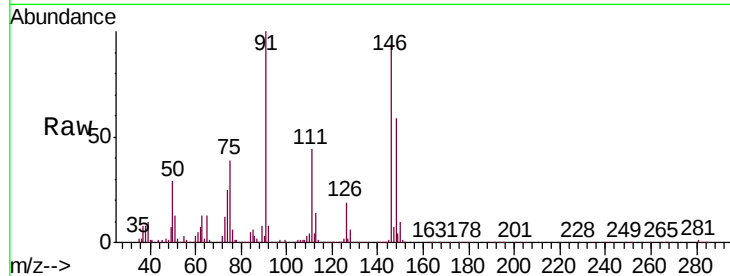




#75
 1,3-Dichlorobenzene
 Concen: 8.266 ppbv
 RT: 17.18 min Scan# 4429
 Delta R.T. -0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

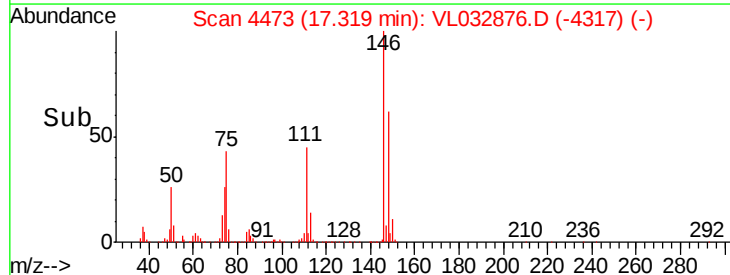
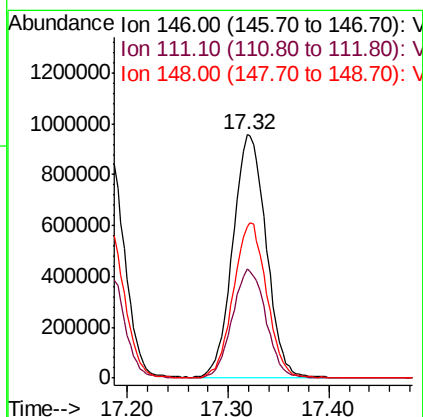
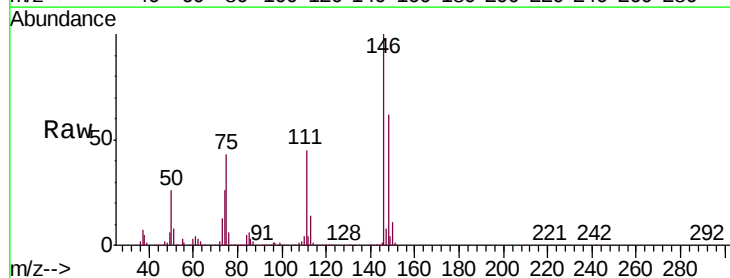
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

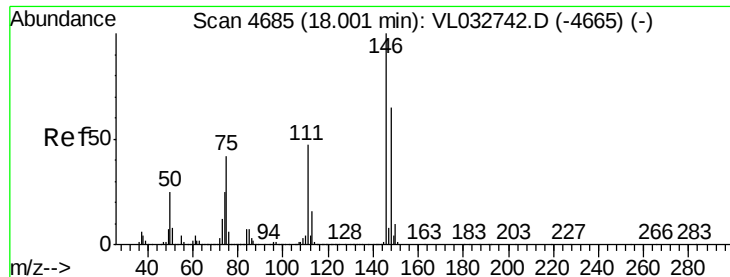
Tgt Ion:146 Resp: 2230846
 Ion Ratio Lower Upper
 146 100
 111 47.0 23.5 70.6
 148 65.1 31.8 95.3



#76
 1,4-Dichlorobenzene
 Concen: 8.706 ppbv
 RT: 17.32 min Scan# 4473
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion:146 Resp: 2194653
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.5 67.5
 148 64.1 32.5 97.5

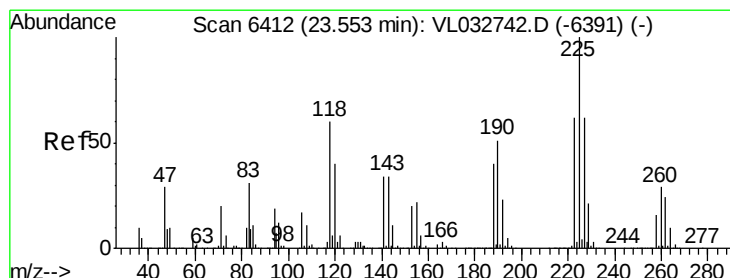
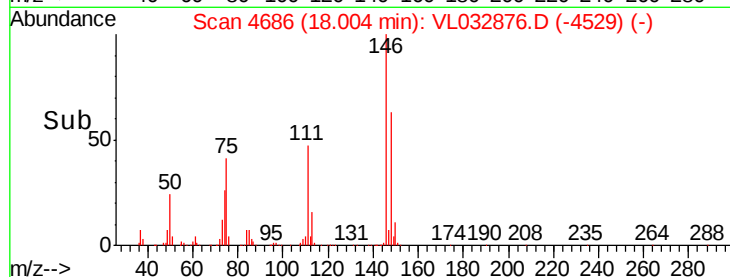
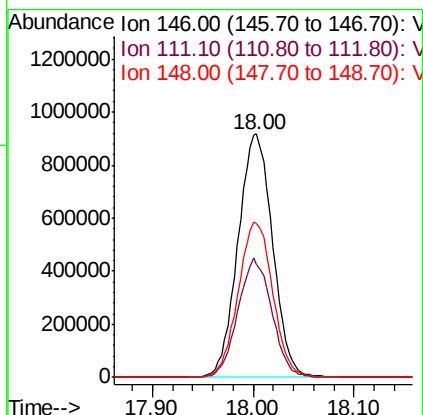
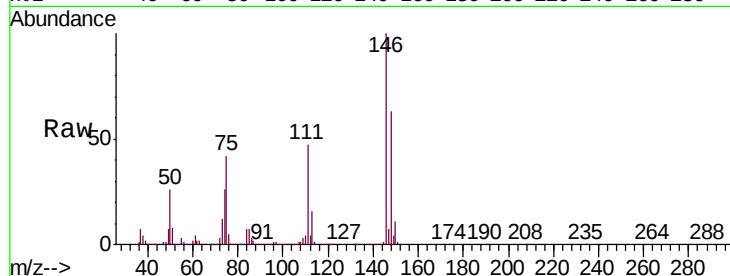




#77
 1,2-Dichlorobenzene
 Concen: 8.719 ppbv
 RT: 18.00 min Scan# 4686
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

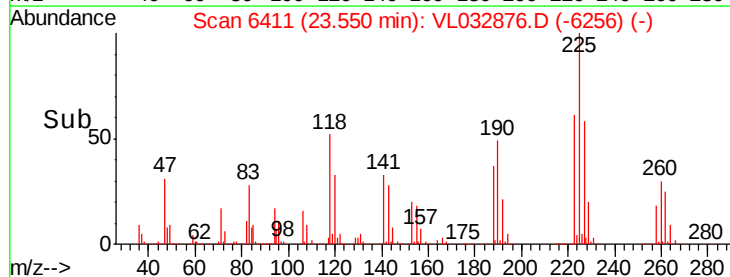
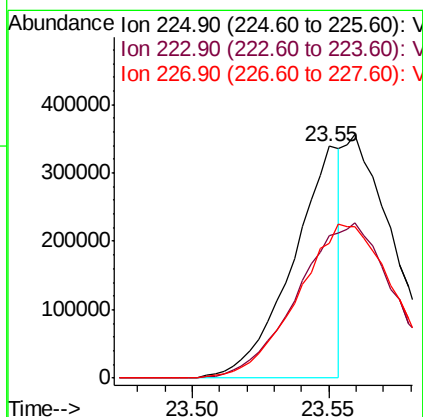
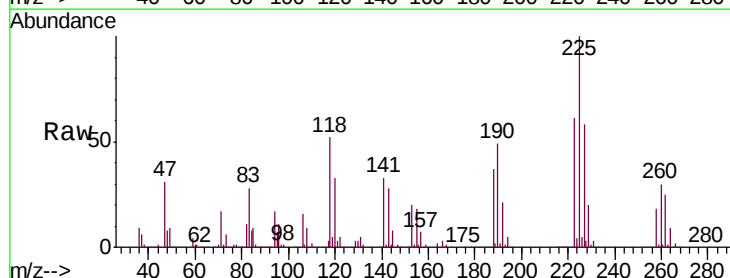
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

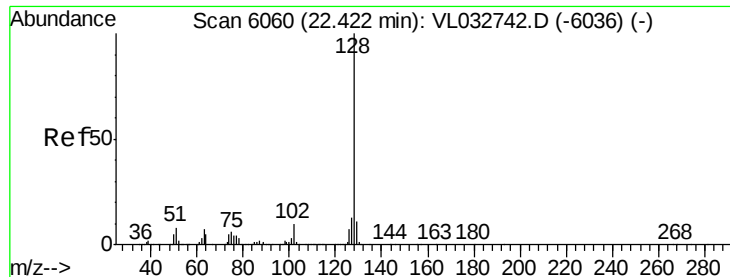
Tgt Ion:146 Resp: 2176899
 Ion Ratio Lower Upper
 146 100
 111 48.1 24.4 73.2
 148 63.9 32.2 96.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 3.022 ppbv
 RT: 23.55 min Scan# 6411
 Delta R.T. -0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion:225 Resp: 407129
 Ion Ratio Lower Upper
 225 100
 223 0.0 50.3 75.5#
 227 135.8 50.2 75.4#





#79

Naphthalene

Concen: 9.455 ppbv

RT: 22.43 min Scan# 6062

Delta R.T. 0.01 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

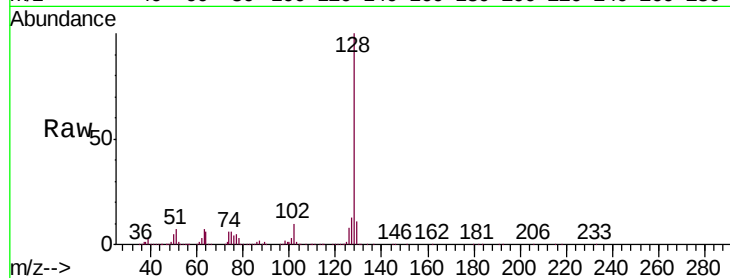
Tgt Ion:128 Resp: 2922358

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

129 10.8 8.9 13.3

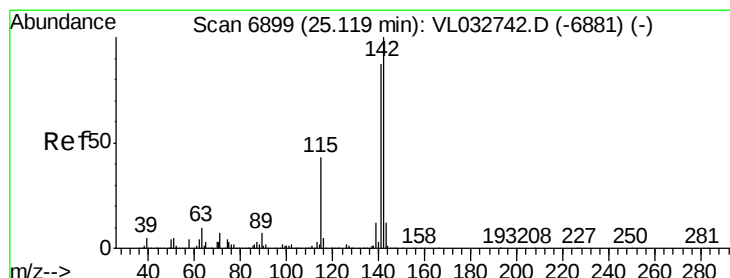
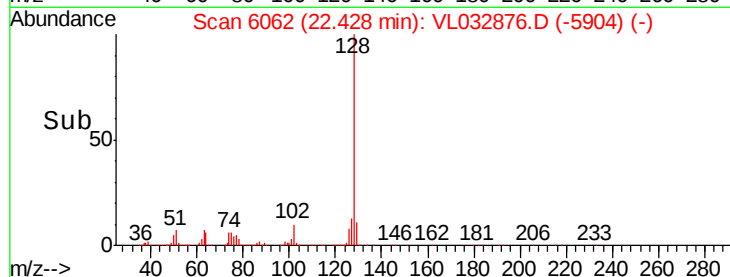
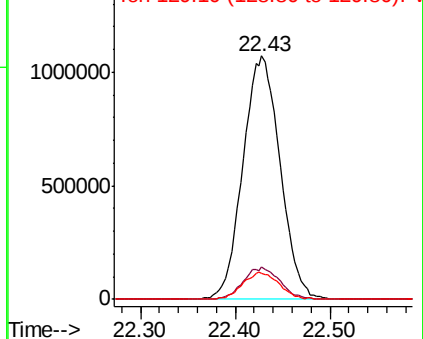


Abundance

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: 10.243 ppbv

RT: 25.12 min Scan# 6900

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

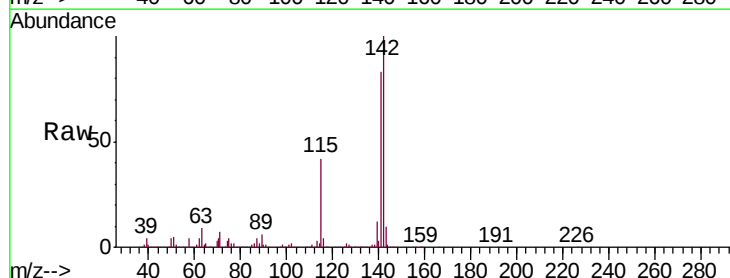
Tgt Ion:142 Resp: 792897

Ion Ratio Lower Upper

142 100

141 84.2 68.7 103.1

115 43.5 35.5 53.3

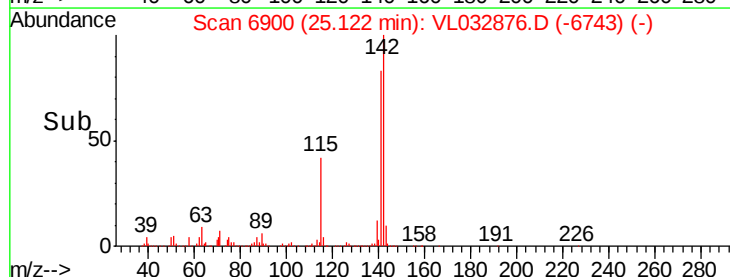
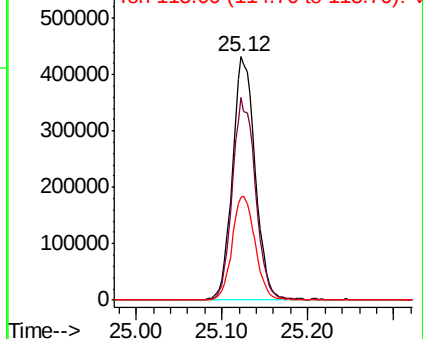


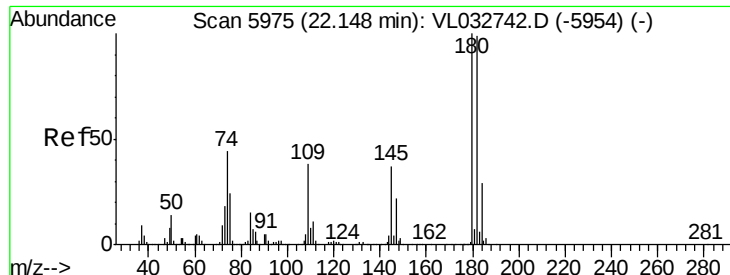
Abundance

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: 9.702 ppbv

RT: 22.15 min Scan# 5976

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

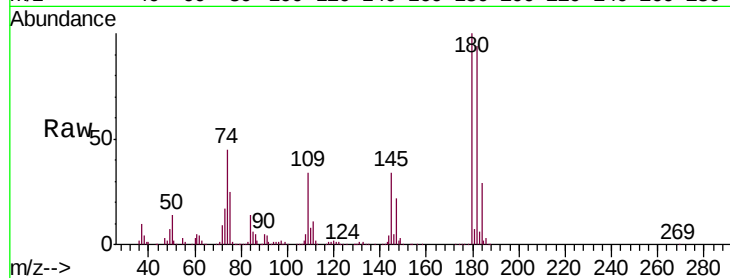
Tgt Ion:180 Resp: 1505853

Ion Ratio Lower Upper

180 100

182 95.8 77.3 115.9

184 30.7 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

