

Data File : VL032743.D

Acq On : 14 Nov 2018 3:08

Operator : SY/AP

Sample : VSTDIC002

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Nov 14 05:42:20 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 05:38:10 2018

QLast Update : Wed Nov 14 05:38:10 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1684331	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	4210053	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4352065	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2905778	8.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	502442	2.615	ppbv	97
3) Chlorodifluoromethane	3.02	51	280438	2.105	ppbv	96
4) Chloromethane	3.18	50	152061	2.054	ppbv	93
5) Vinyl Chloride	3.30	62	152832	1.908	ppbv	100
6) Bromomethane	3.52	94	100747	2.001	ppbv	100
7) Chloroethane	3.61	64	56587	1.912	ppbv	100
8) Dichlorotetrafluoroethane	3.23	85	395473	2.155	ppbv	98
9) Propene	3.04	41	111253	2.053	ppbv	98
10) Heptane	8.25	43	430549	2.047	ppbv	100
11) Trichlorofluoromethane	4.01	101	436265	1.913	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	378763	2.056	ppbv	100
13) Ethanol	3.66	45	38525	2.516	ppbv	98
14) Bromoethene	3.80	108	127795	2.016	ppbv	98
15) Acetone	3.91	43	280522	1.792	ppbv	97
16) 1,3-Butadiene	3.37	39	126773	2.136	ppbv	92
17) tert-Butyl alcohol	4.37	59	36793	0.832	ppbv #	73
18) 1,1-Dichloroethene	4.36	96	183586	2.209	ppbv	94
19) Isopropyl Alcohol	4.04	45	190438	1.745	ppbv #	98
20) Methylene Chloride	4.42	84	170107	2.135	ppbv	95
21) Allyl Chloride	4.48	41	275976	2.203	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	190650	2.230	ppbv	95
23) Vinyl Acetate	5.16	43	544234	1.926	ppbv	98
24) 1,1-Dichloroethane	5.10	63	440707	1.983	ppbv	98
25) Ethyl Acetate	5.78	43	754476	2.105	ppbv	99
26) Hexane	5.79	57	343110	2.034	ppbv	97
27) Carbon Disulfide	4.63	76	399220	1.973	ppbv	97
28) Methyl tert-Butyl Ether	5.12	73	513650	2.052	ppbv	99
29) Chloroform	5.85	83	590170	2.162	ppbv	98
30) Cyclohexane	7.26	84	292583	2.162	ppbv	86
31) cis-1,2-Dichloroethene	5.65	61	334011	2.120	ppbv	96
32) 1,1,1-Trichloroethane	6.63	97	625726	2.236	ppbv	99
34) 2-Butanone	5.34	43	464668	2.056	ppbv	99
35) Carbon Tetrachloride	7.14	117	667046	2.211	ppbv	97
36) Benzene	7.01	78	705075	2.073	ppbv	99
37) 1,2-Dichloroethane	6.42	62	468225	2.215	ppbv	99
38) Trichloroethene	7.97	130	282165	2.215	ppbv	95
39) 1,2-Dichloropropane	7.74	63	262749	2.001	ppbv	97
40) 1,4-Dioxane	7.98	88	56412	1.263	ppbv #	1
41) Tetrahydrofuran	6.17	42	274288	2.193	ppbv	99
42) Bromodichloromethane	7.92	83	656528	2.222	ppbv	97
43) Methyl Methacrylate	8.15	69	270716	2.166	ppbv	97

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Response via : Initial Calibration

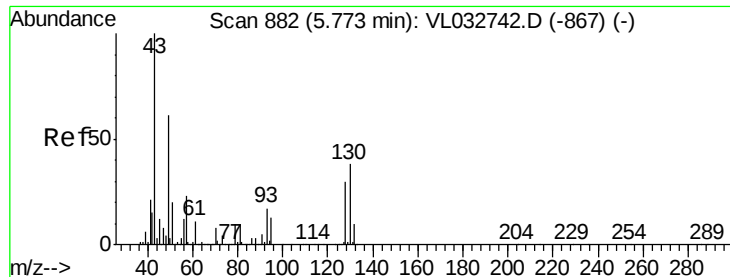
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	1254458	2.159	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	347065	2.074	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	424328	2.183	ppbv	91
47) 1,1,2-Trichloroethane	9.62	97	334910	2.159	ppbv	94
48) Dibromochloromethane	10.46	129	541245	2.071	ppbv	99
49) Bromoform	13.21	173	480382	2.341	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	754178	2.231	ppbv	98
51) 2-Hexanone	10.29	43	470744	1.935	ppbv #	98
52) Tetrachloroethene	11.38	164	246038	2.064	ppbv	92
53) Toluene	9.96	91	773342	2.011	ppbv	100
54) 1,2-Dibromoethane	10.77	107	469836	2.252	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.29	131	428878	2.219	ppbv #	1
57) Chlorobenzene	12.31	112	701578	2.167	ppbv	100
58) Ethyl Benzene	12.87	91	1168566	2.288	ppbv	100
59) m/p-Xylene	13.13	91	1002731	2.206	ppbv #	31
60) o-Xylene	13.85	91	1014975	2.299	ppbv	99
61) Styrene	13.69	104	678601	2.297	ppbv	99
62) Isopropylbenzene	14.83	105	1303799	2.090	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	720640	2.099	ppbv	98
64) n-propylbenzene	15.73	120	341588	2.187	ppbv	96
65) tert-Butylbenzene	16.92	119	1206886	2.245	ppbv	97
66) Benzyl Chloride	17.16	91	635242	2.263	ppbv	99
67) sec-Butylbenzene	17.47	105	1730105	2.267	ppbv	100
69) p-Isopropyltoluene	17.82	119	1386331	2.287	ppbv	100
70) n-Butylbenzene	18.72	91	1418650	2.282	ppbv	98
71) 2-Chlorotoluene	15.63	91	993114	2.217	ppbv	100
72) 4-Ethyltoluene	16.01	105	1073806	2.259	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	1033486	2.231	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	1111320	2.249	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	637498	2.240	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	581123	2.208	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	590953	2.201	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	291677	2.144	ppbv	98
79) Naphthalene	22.42	128	760406	2.447	ppbv	97
80) Naphthalene,2-methyl-	25.13	142	173249	2.329	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	366206	2.304	ppbv	99

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

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

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VSTDIC002

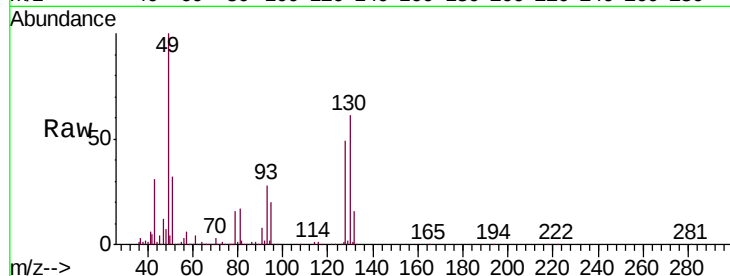
Tgt Ion: 49 Resp: 1684331

Ion Ratio Lower Upper

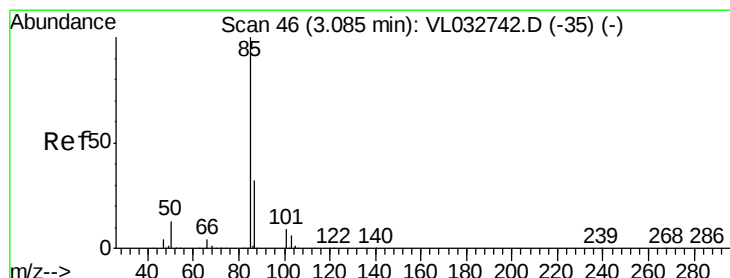
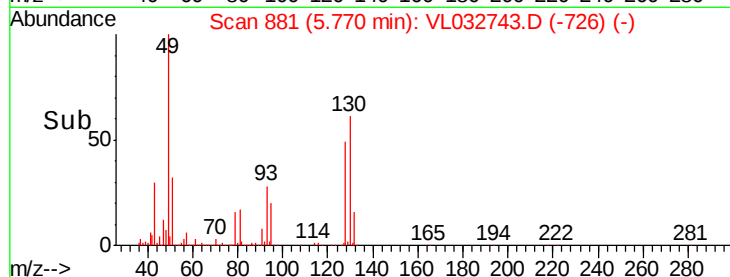
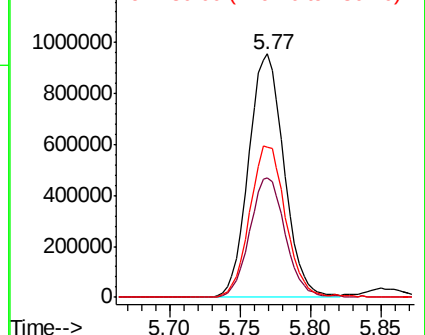
49 100

128 49.6 24.9 74.6

130 63.4 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: 2.615 ppbv

RT: 3.08 min Scan# 46

Delta R.T. 0.00 min

Lab File: VL032743.D

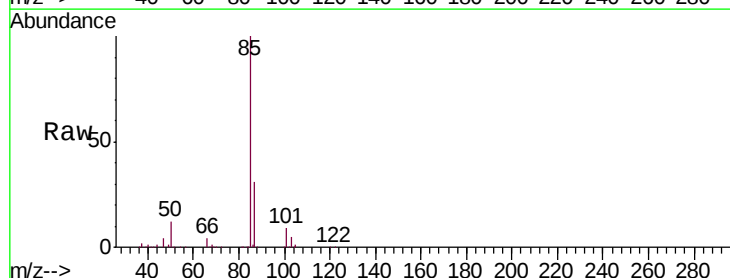
Acq: 14 Nov 2018 3:08

Tgt Ion: 85 Resp: 502442

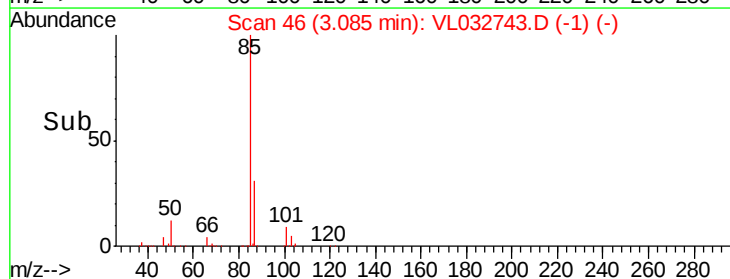
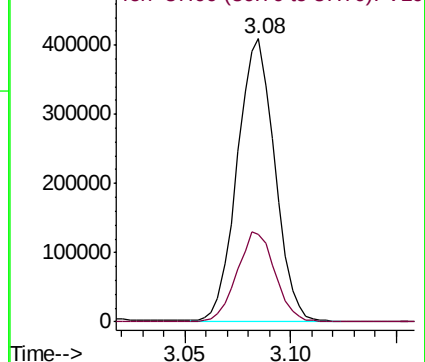
Ion Ratio Lower Upper

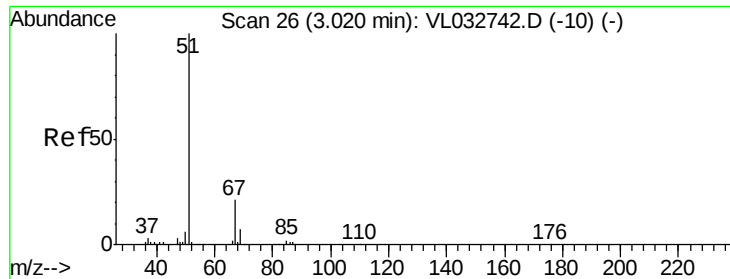
85 100

87 30.7 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: 2.105 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

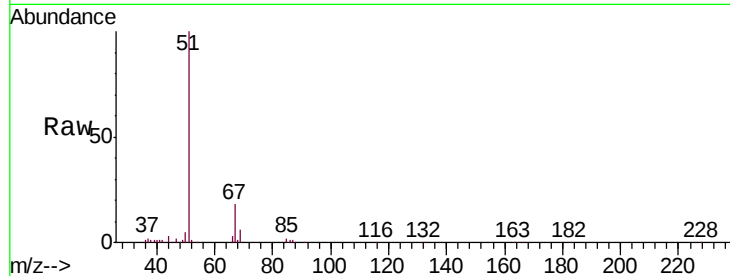
VSTDIC002

Tgt Ion: 51 Resp: 280438

Ion Ratio Lower Upper

51 100

67 18.5 16.1 24.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

250000

200000

150000

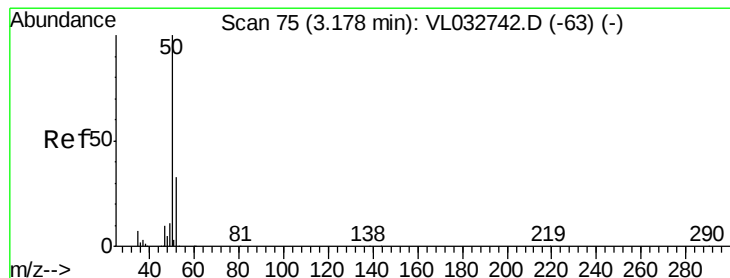
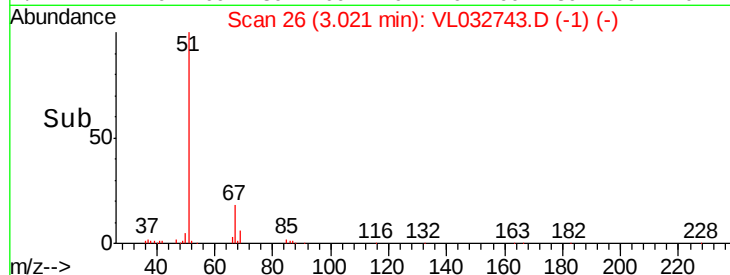
100000

50000

0

Time-->

2.95 3.00 3.05



#4

Chloromethane

Concen: 2.054 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL032743.D

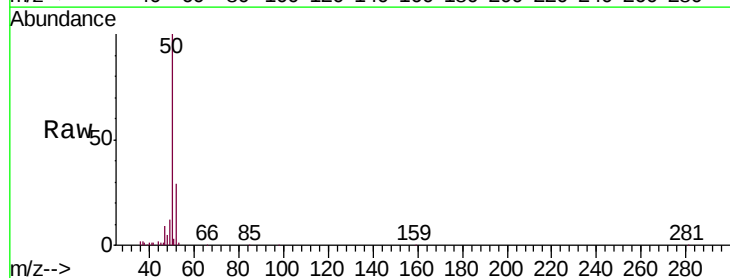
Acq: 14 Nov 2018 3:08

Tgt Ion: 50 Resp: 152061

Ion Ratio Lower Upper

50 100

52 29.5 26.6 40.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

120000

100000

80000

60000

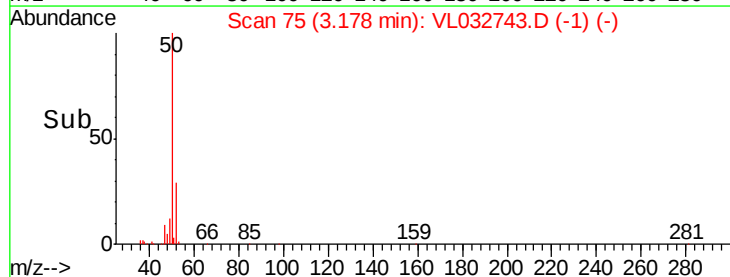
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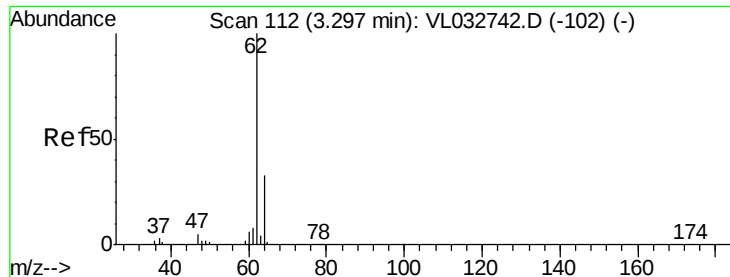
20000

0

Time-->

3.15 3.20





#5

Vinyl Chloride

Concen: 1.908 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

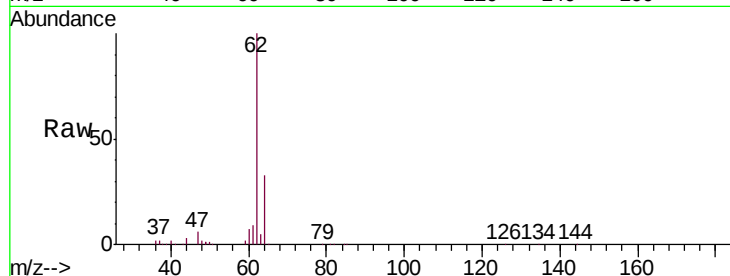
VSTDIC002

Tgt Ion: 62 Resp: 152832

Ion Ratio Lower Upper

62 100

64 32.9 26.2 39.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.30

120000

100000

80000

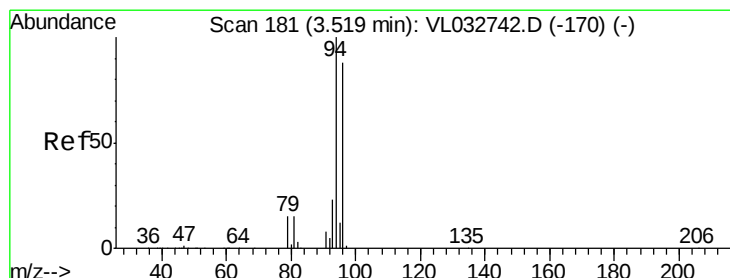
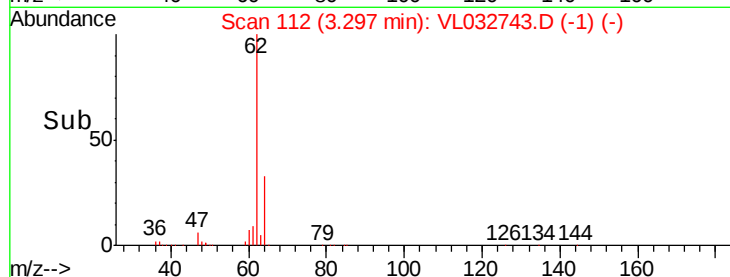
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 2.001 ppbv

RT: 3.52 min Scan# 182

Delta R.T. 0.00 min

Lab File: VL032743.D

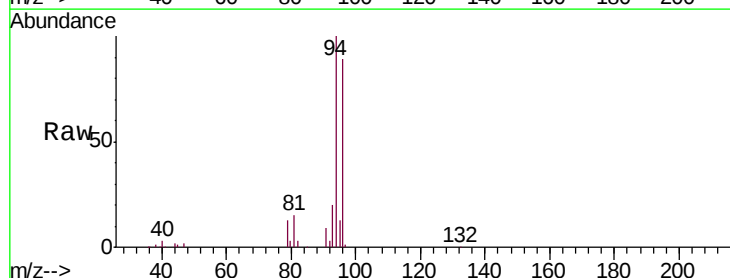
Acq: 14 Nov 2018 3:08

Tgt Ion: 94 Resp: 100747

Ion Ratio Lower Upper

94 100

96 88.1 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.52

80000

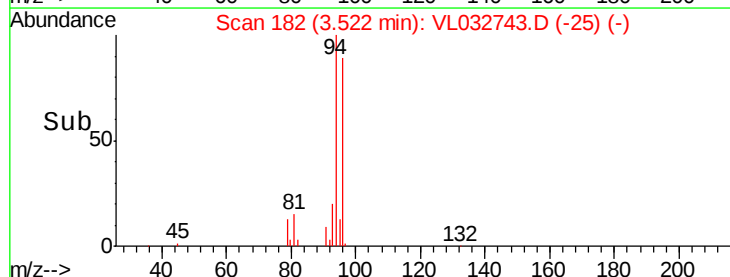
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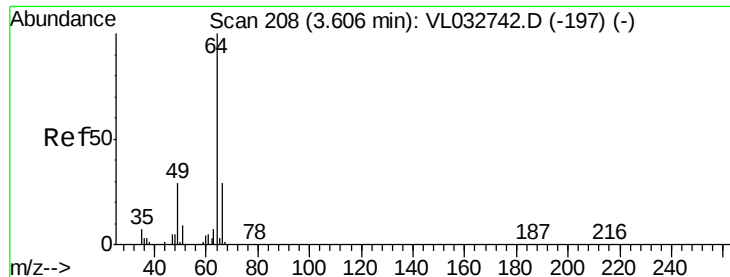
40000

20000

0

Time-->





#7

Chloroethane

Concen: 1.912 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

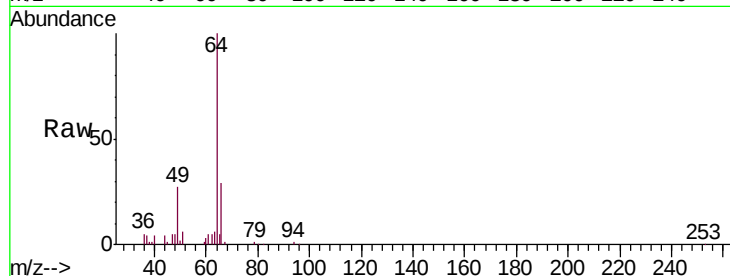
VSTDIC002

Tgt Ion: 64 Resp: 56587

Ion Ratio Lower Upper

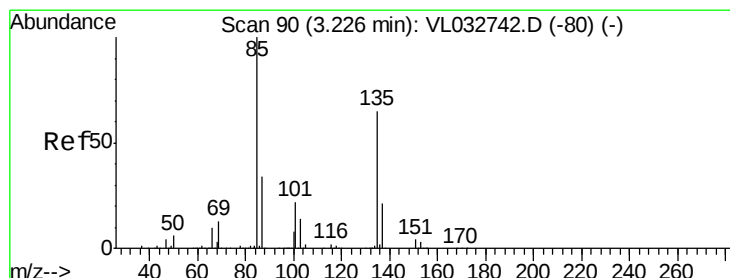
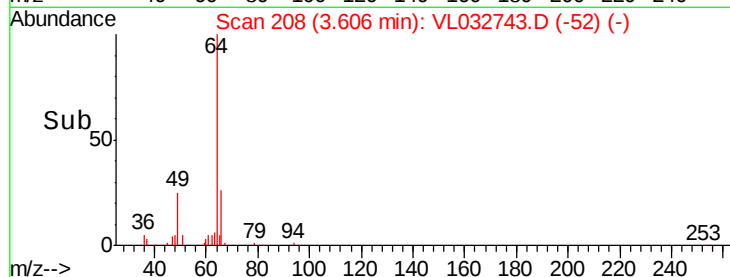
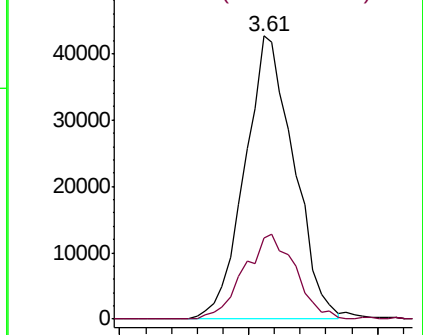
64 100

66 28.8 23.2 34.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 2.155 ppbv

RT: 3.23 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL032743.D

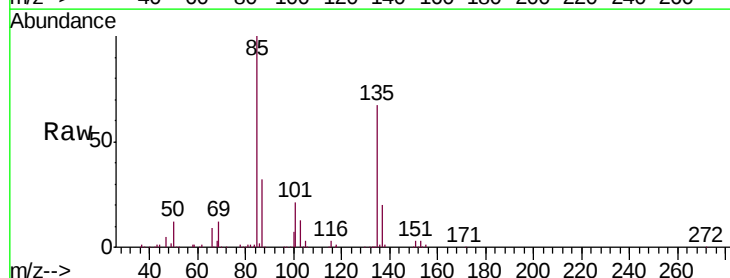
Acq: 14 Nov 2018 3:08

Tgt Ion: 85 Resp: 395473

Ion Ratio Lower Upper

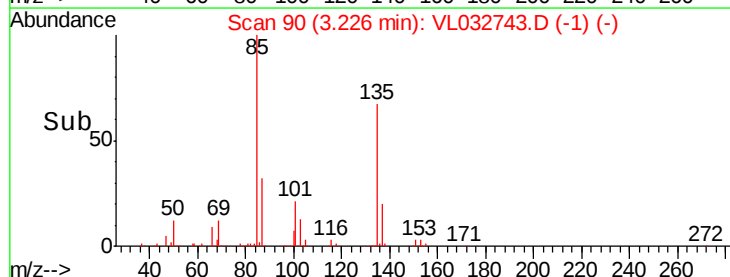
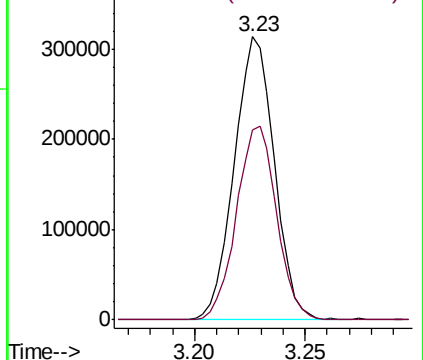
85 100

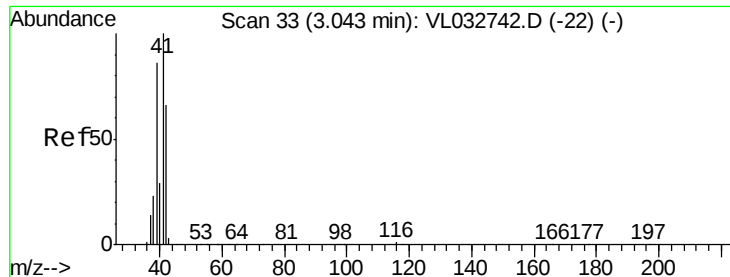
135 69.0 53.8 80.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 2.053 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL032743.D

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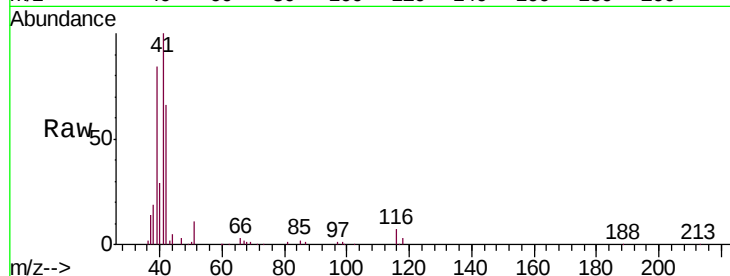
VSTDIC002

Tgt Ion: 41 Resp: 111253

Ion Ratio Lower Upper

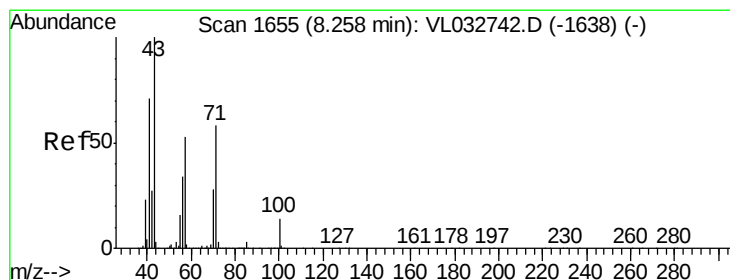
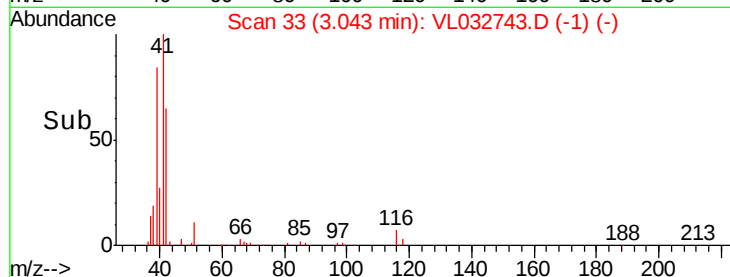
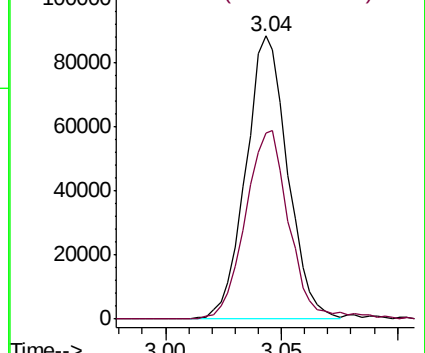
41 100

42 70.1 55.0 82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 2.047 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. -0.01 min

Lab File: VL032743.D

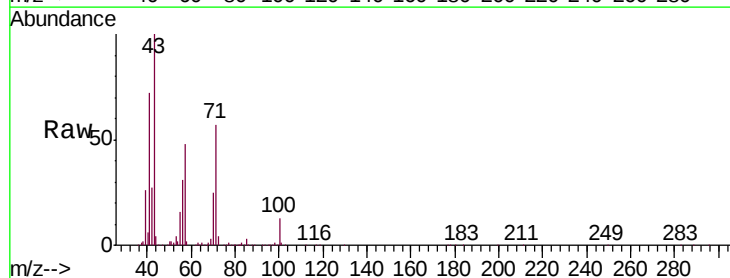
Acq: 14 Nov 2018 3:08

Tgt Ion: 43 Resp: 430549

Ion Ratio Lower Upper

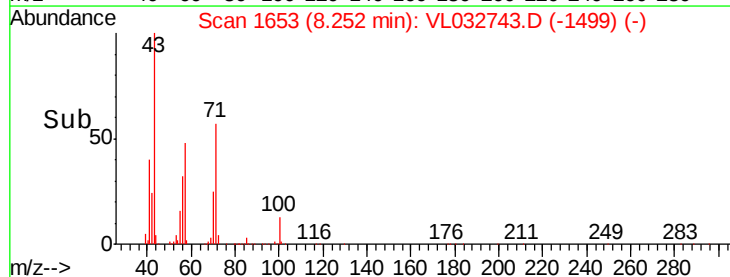
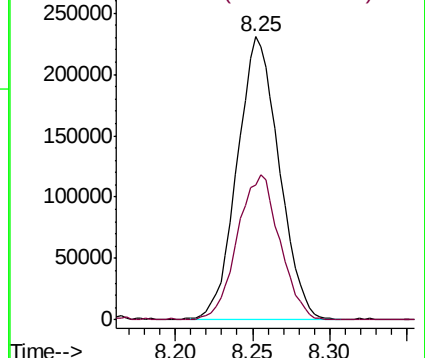
43 100

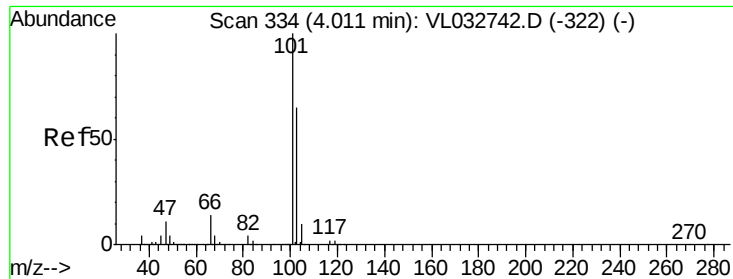
57 52.6 41.8 62.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

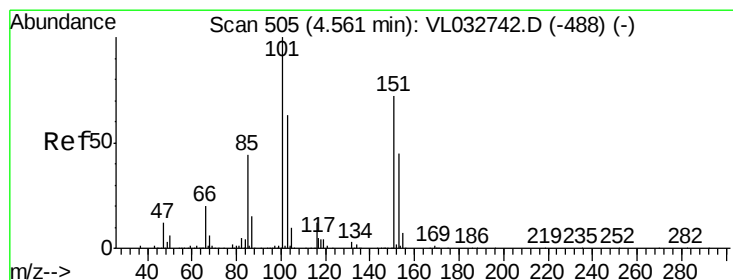
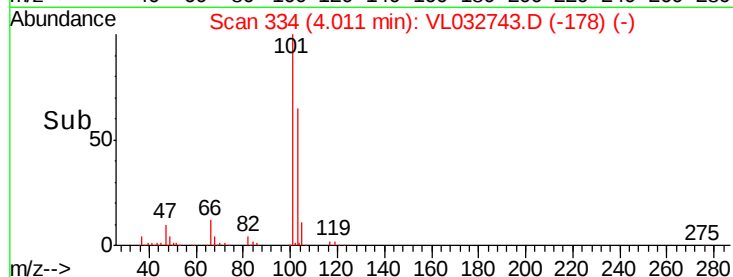
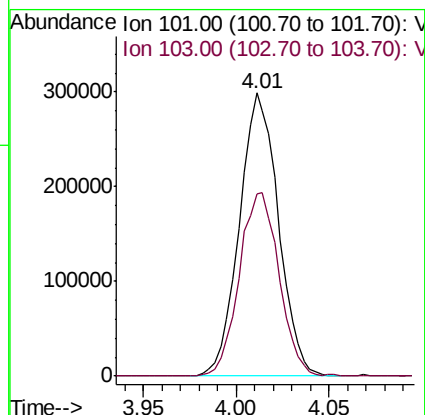
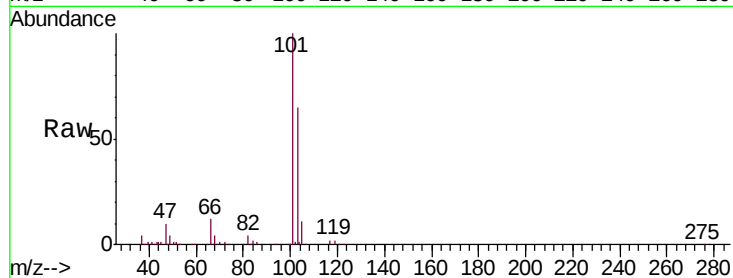




#11
 Trichlorofluoromethane
 Concen: 1.913 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

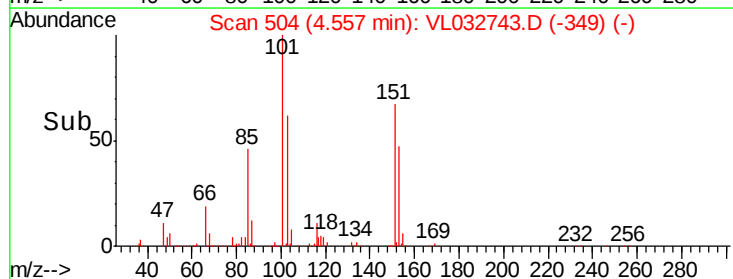
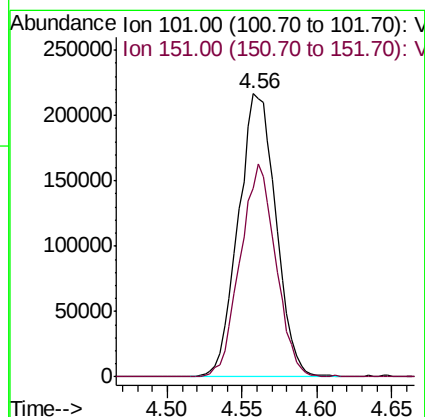
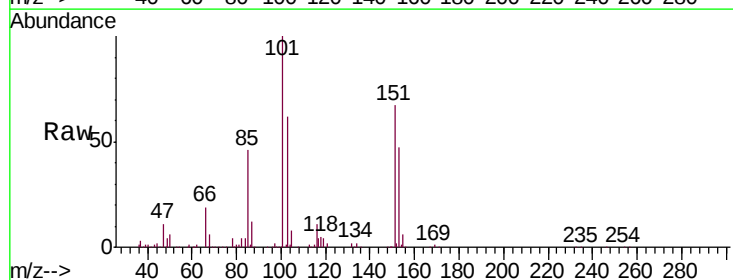
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

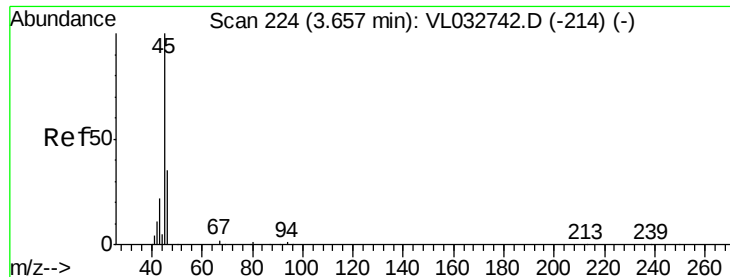
Tgt Ion:101 Resp: 436265
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.056 ppbv
 RT: 4.56 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

Tgt Ion:101 Resp: 378763
 Ion Ratio Lower Upper
 101 100
 151 71.2 56.7 85.1





#13

Ethanol

Concen: 2.516 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

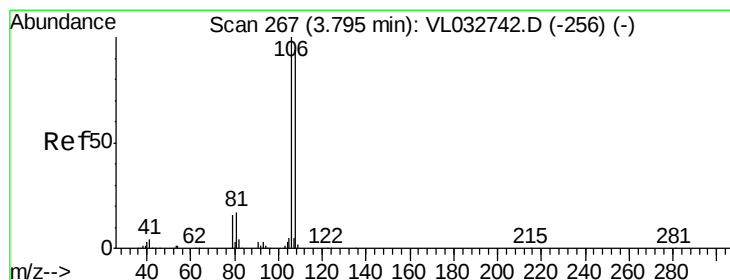
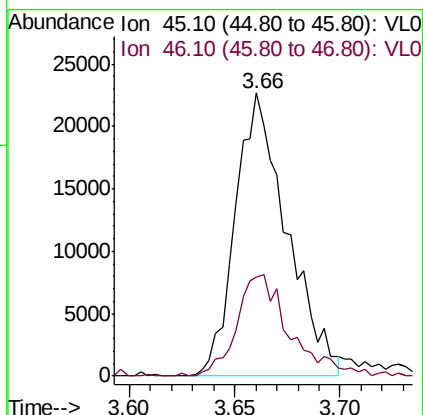
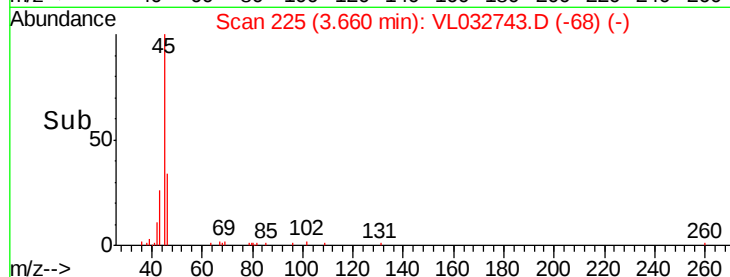
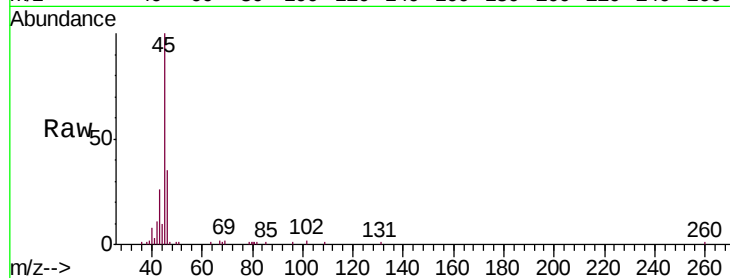
VSTDIC002

Tgt Ion: 45 Resp: 38525

Ion Ratio Lower Upper

45 100

46 37.5 14.5 57.9



#14

Bromoethene

Concen: 2.016 ppbv

RT: 3.80 min Scan# 267

Delta R.T. 0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

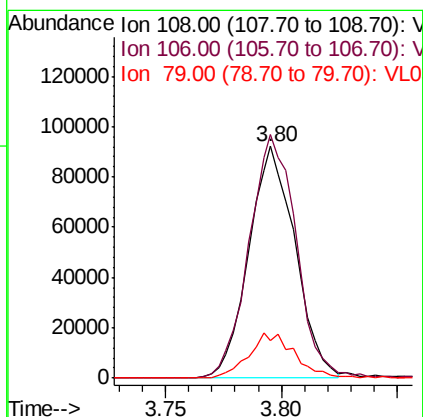
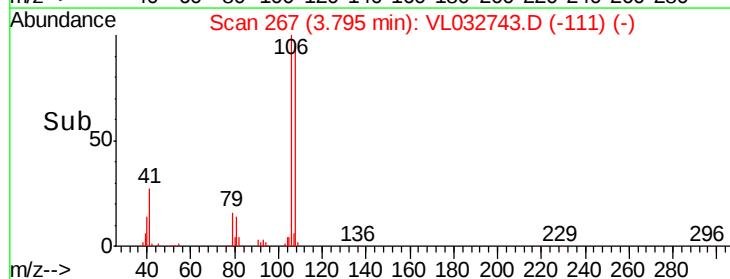
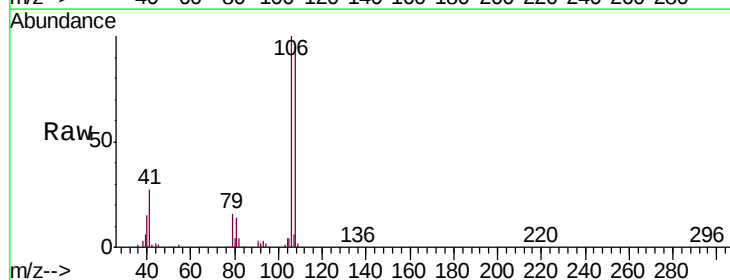
Tgt Ion: 108 Resp: 127795

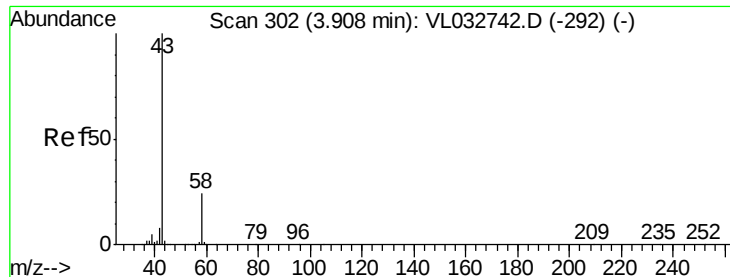
Ion Ratio Lower Upper

108 100

106 107.7 84.9 127.3

79 19.7 14.2 21.4





#15

Acetone

Concen: 1.792 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.01 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

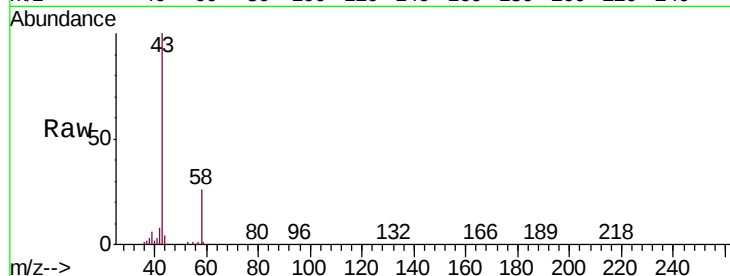
VSTDIC002

Tgt Ion: 43 Resp: 280522

Ion Ratio Lower Upper

43 100

58 27.9 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.91

200000

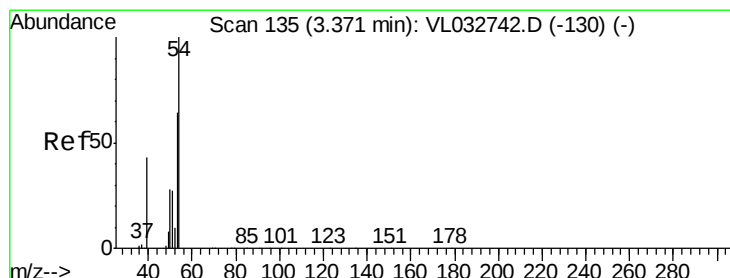
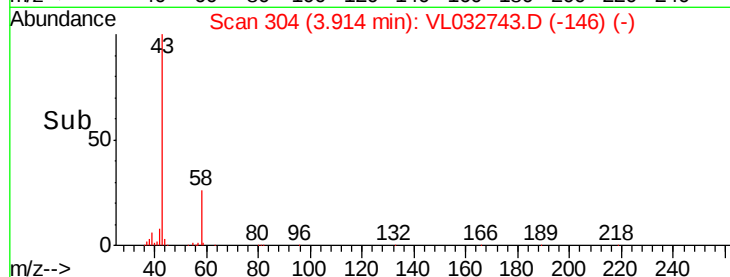
150000

100000

50000

0

Time--> 3.85 3.90 3.95



#16

1,3-Butadiene

Concen: 2.136 ppbv

RT: 3.37 min Scan# 134

Delta R.T. -0.00 min

Lab File: VL032743.D

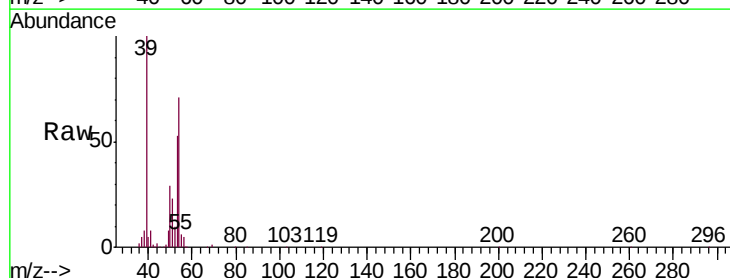
Acq: 14 Nov 2018 3:08

Tgt Ion: 39 Resp: 126773

Ion Ratio Lower Upper

39 100

54 93.3 68.9 103.3



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.37

120000

100000

80000

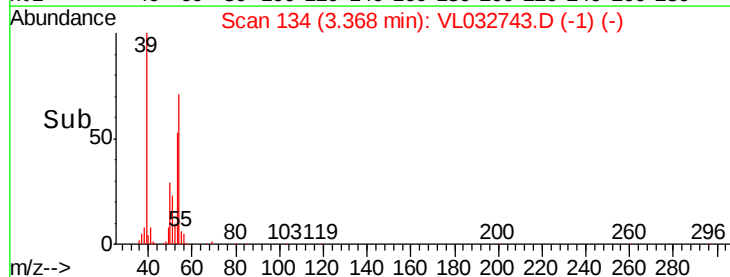
60000

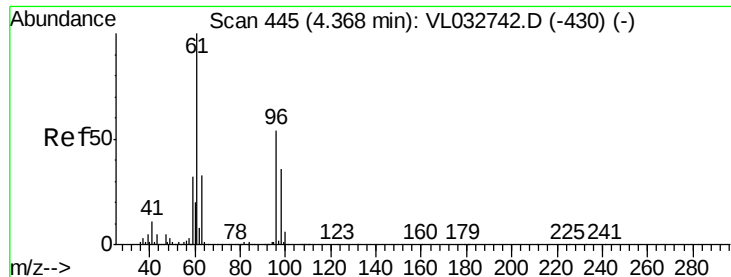
40000

20000

0

Time--> 3.34 3.36 3.38 3.40





#17

tert-Butyl alcohol

Concen: 0.832 ppbv

RT: 4.37 min Scan# 445

Delta R.T. 0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

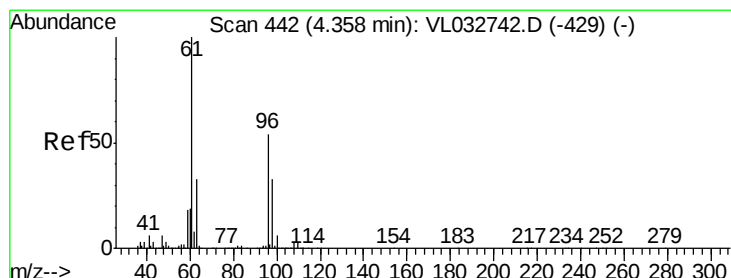
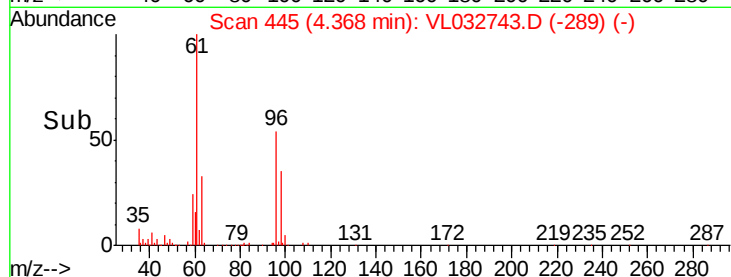
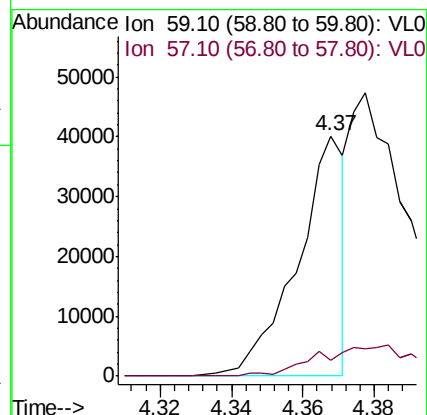
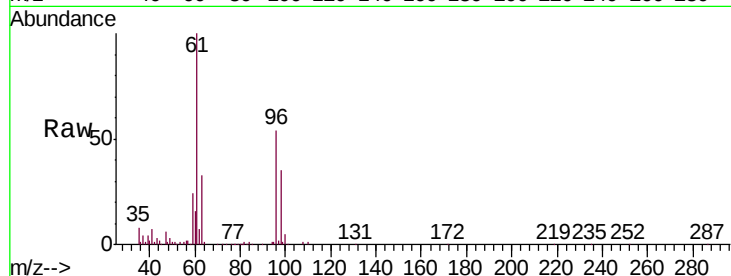
VSTDIC002

Tgt Ion: 59 Resp: 36793

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#18

1,1-Dichloroethene

Concen: 2.209 ppbv

RT: 4.36 min Scan# 443

Delta R.T. 0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

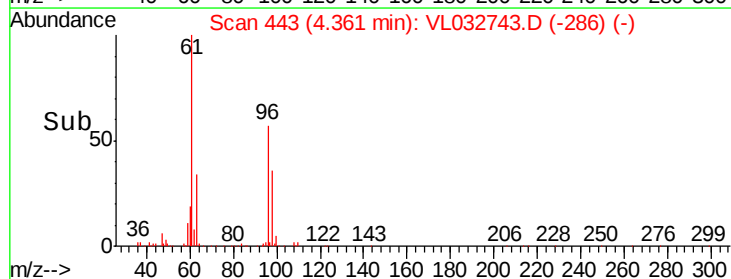
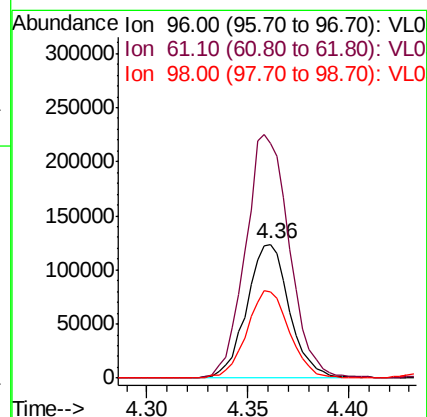
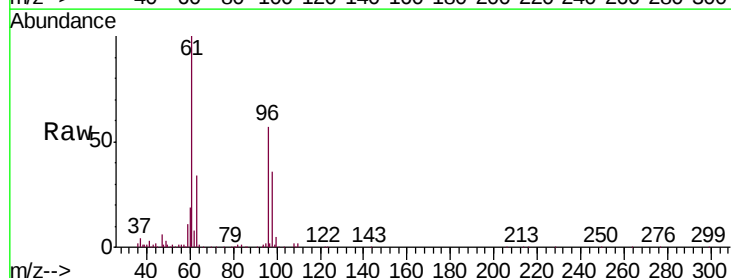
Tgt Ion: 96 Resp: 183586

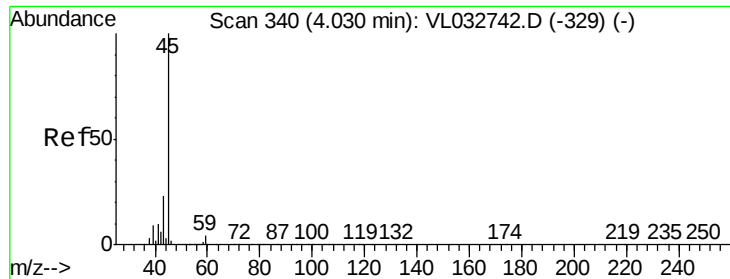
Ion Ratio Lower Upper

96 100

61 176.3 148.5 222.7

98 64.1 48.6 72.8





#19

Isopropyl Alcohol

Concen: 1.745 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.01 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

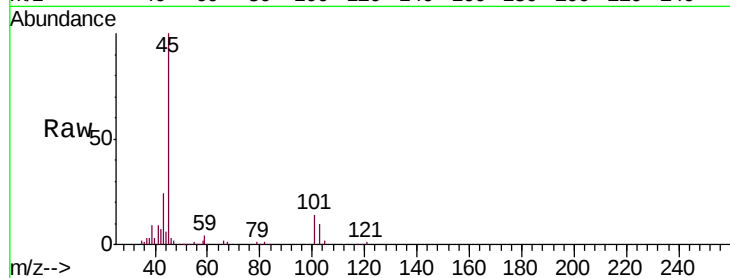
VSTDIC002

Tgt Ion: 45 Resp: 190438

Ion Ratio Lower Upper

45 100

58 2.4 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

120000

100000

80000

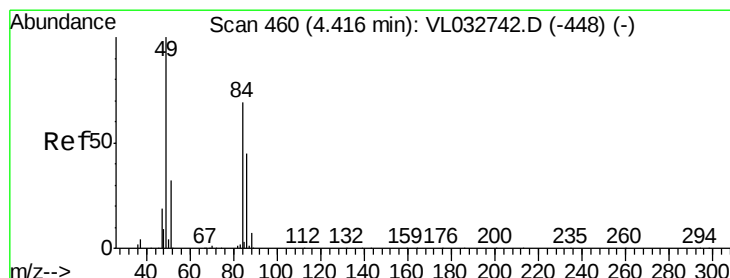
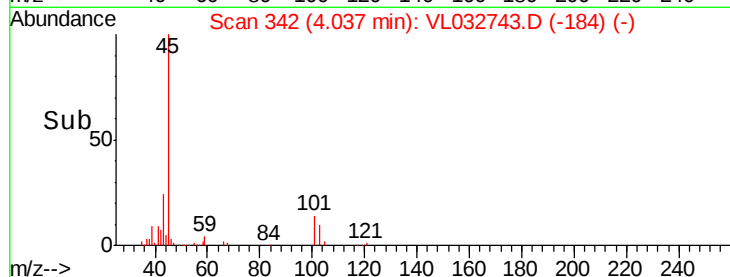
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 2.135 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Tgt Ion: 84 Resp: 170107

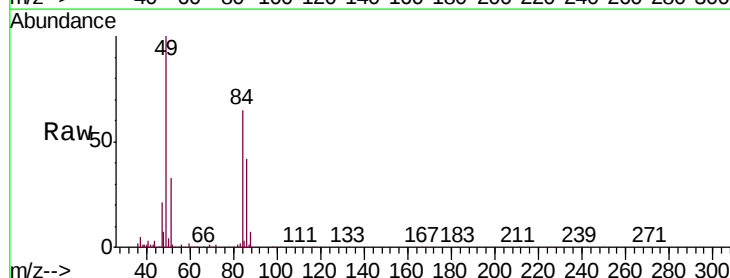
Ion Ratio Lower Upper

84 100

49 151.9 115.8 173.6

51 49.9 36.9 55.3

86 64.4 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

250000

200000

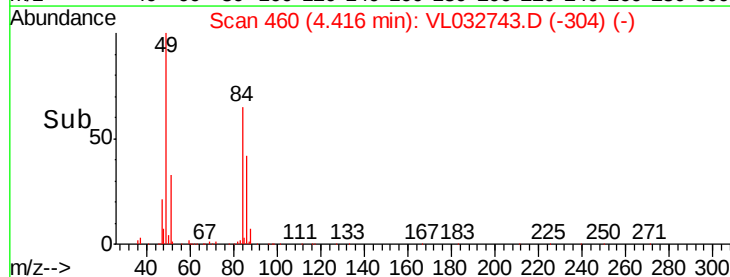
150000

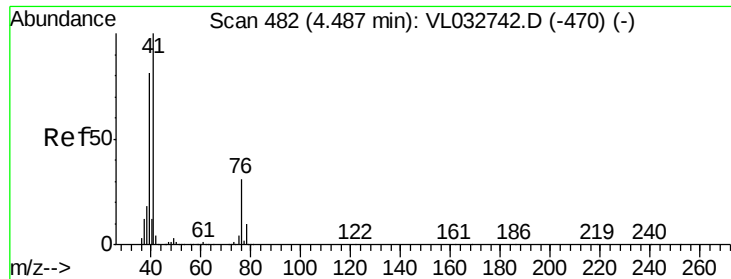
100000

50000

0

Time-->

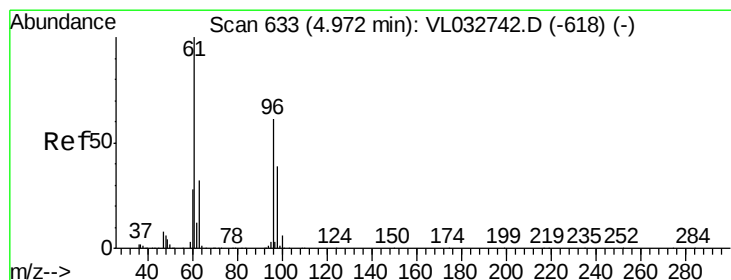
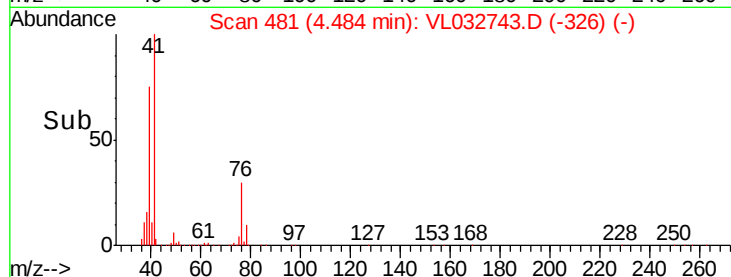
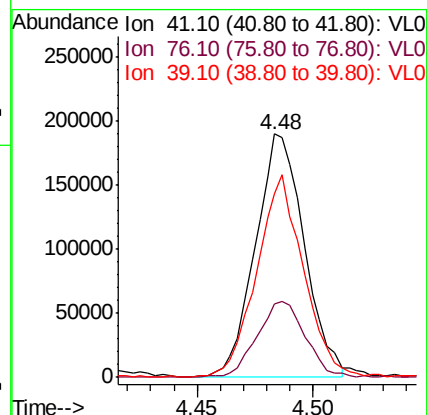
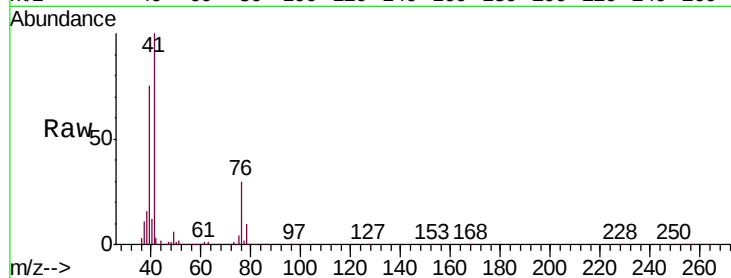




#21
 Allyl Chloride
 Concen: 2.203 ppbv
 RT: 4.48 min Scan# 481
 Delta R.T. -0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

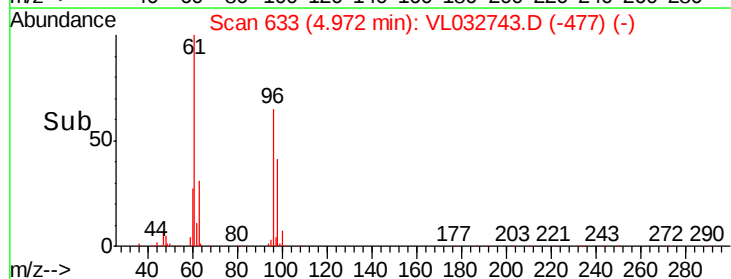
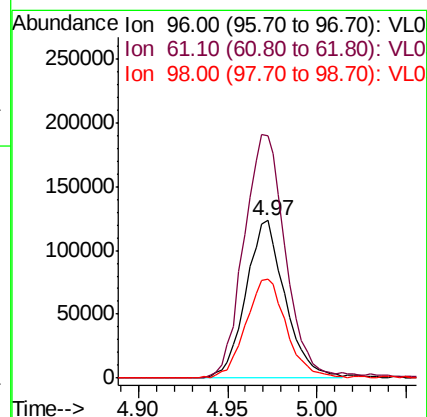
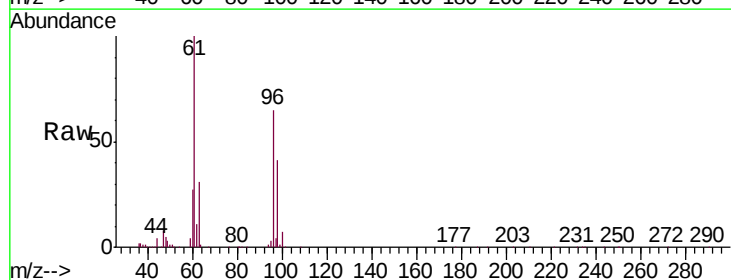
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

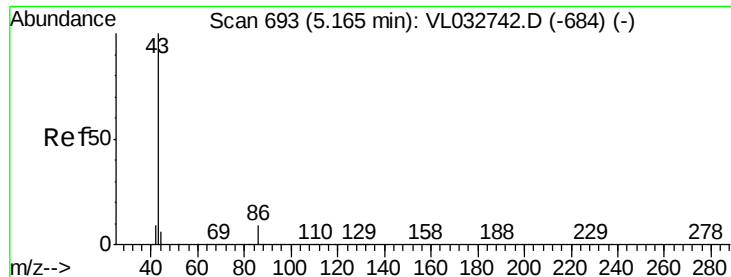
Tgt Ion: 41 Resp: 275976
 Ion Ratio Lower Upper
 41 100
 76 31.1 24.4 36.6
 39 79.9 63.5 95.3



#22
 trans-1,2-Dichloroethene
 Concen: 2.230 ppbv
 RT: 4.97 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

Tgt Ion: 96 Resp: 190650
 Ion Ratio Lower Upper
 96 100
 61 153.3 130.2 195.2
 98 62.6 50.2 75.2

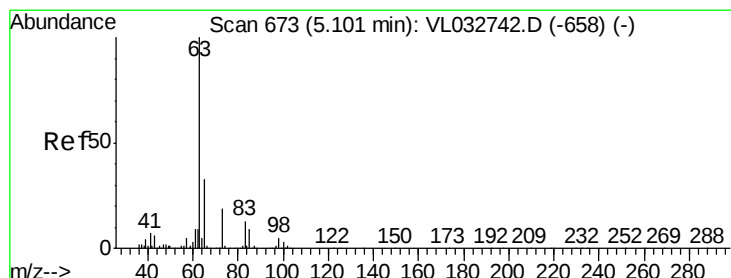
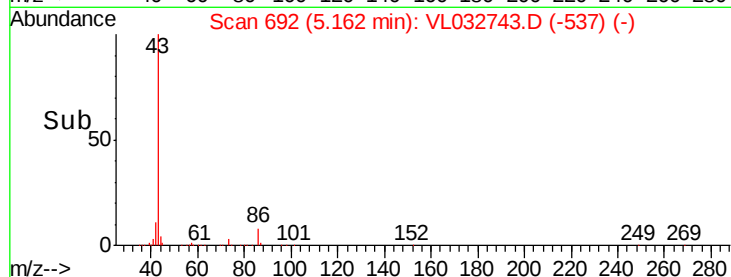
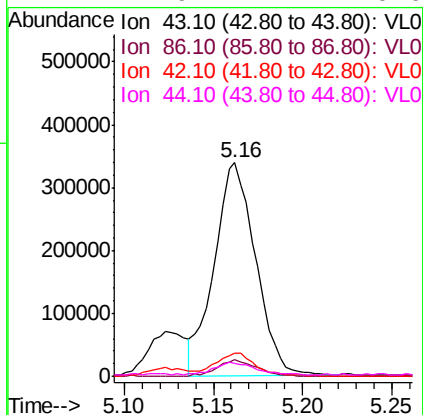
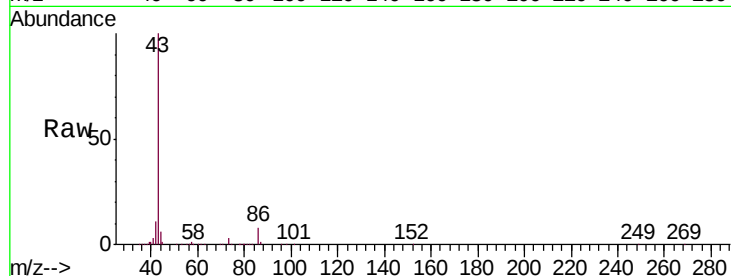




#23
 Vinyl Acetate
 Concen: 1.926 ppbv
 RT: 5.16 min Scan# 692
 Delta R.T. -0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

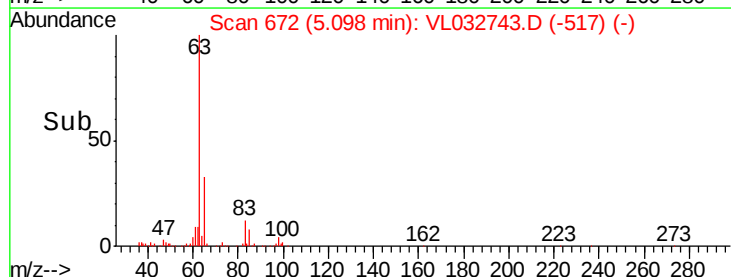
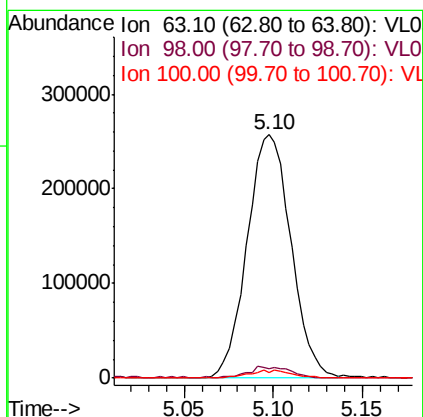
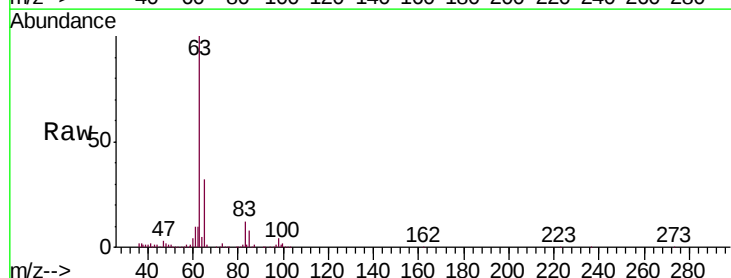
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

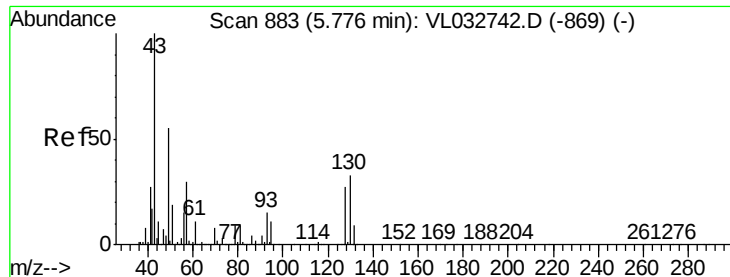
Tgt Ion:	43	Resp:	544234
Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.2	9.4
42	10.7	7.8	11.6
44	4.9	4.4	6.6



#24
 1,1-Dichloroethane
 Concen: 1.983 ppbv
 RT: 5.10 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

Tgt Ion:	63	Resp:	440707
Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.3	6.8
100	2.4	1.4	4.2

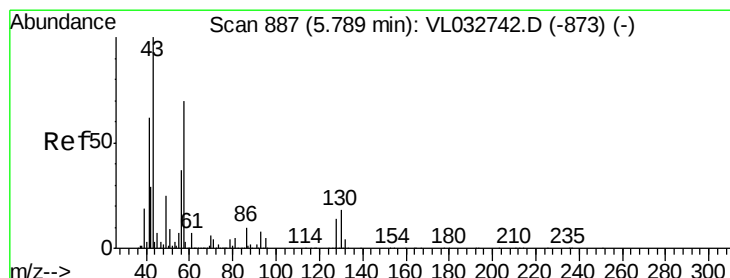
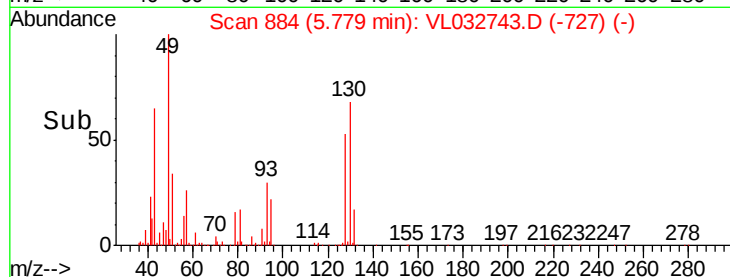
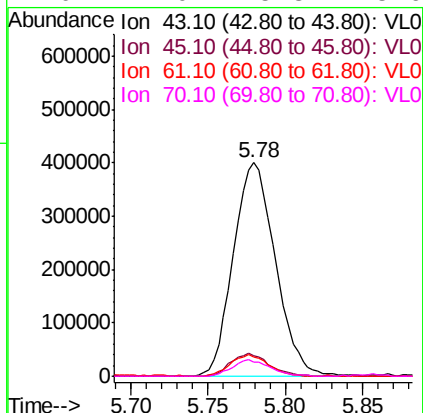
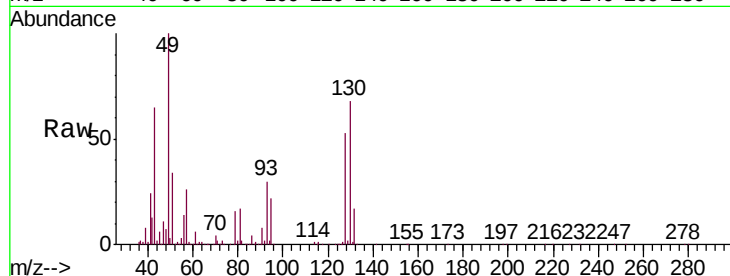




#25
Ethyl Acetate
Concen: 2.105 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

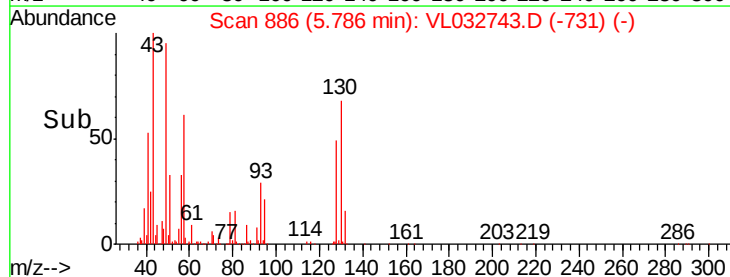
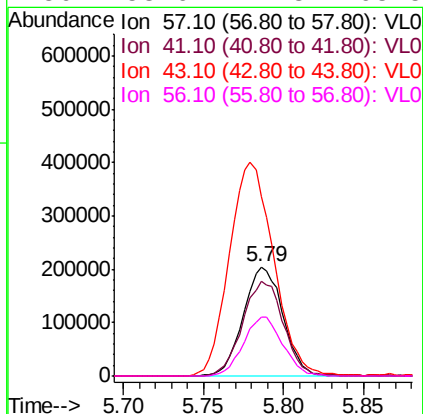
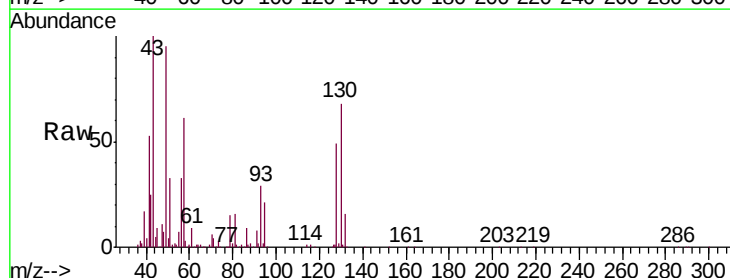
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

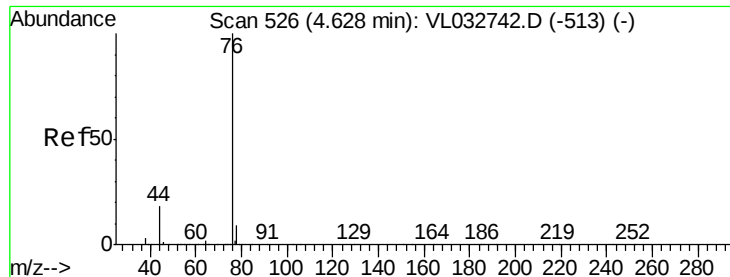
Tgt Ion:	43	Resp:	754476
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.1	7.8	11.6
70	7.0	5.8	8.6



#26
Hexane
Concen: 2.034 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:	57	Resp:	343110
Ion	Ratio	Lower	Upper
57	100		
41	90.3	70.3	105.5
43	222.1	174.0	261.0
56	53.6	42.3	63.5





#27

Carbon Disulfide

Concen: 1.973 ppbv

RT: 4.63 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

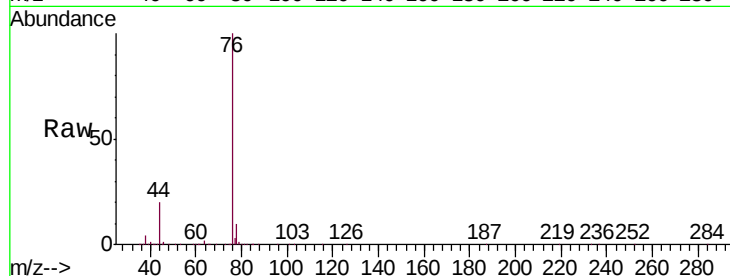
Tgt Ion: 76 Resp: 399220

Ion Ratio Lower Upper

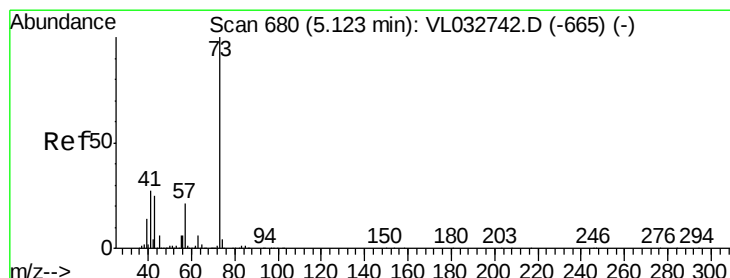
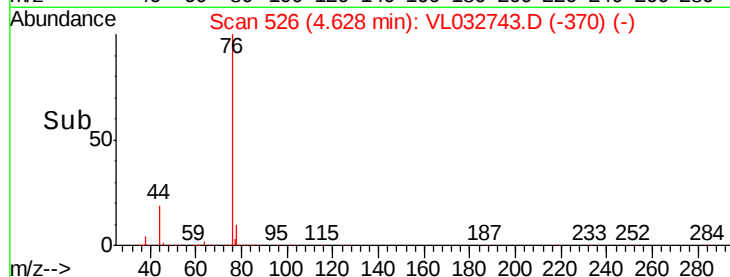
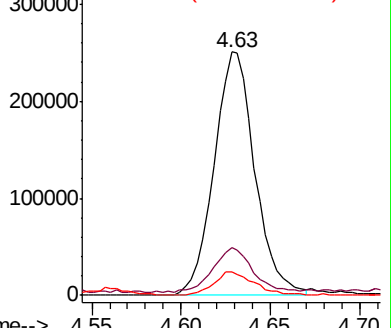
76 100

44 19.7 14.4 21.6

78 10.0 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: 2.052 ppbv

RT: 5.12 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL032743.D

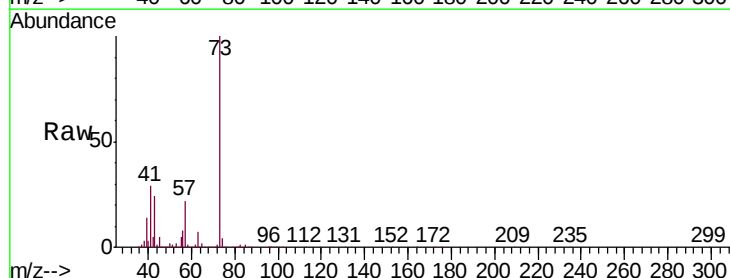
Acq: 14 Nov 2018 3:08

Tgt Ion: 73 Resp: 513650

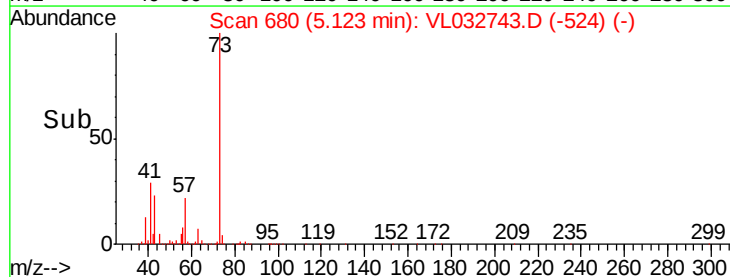
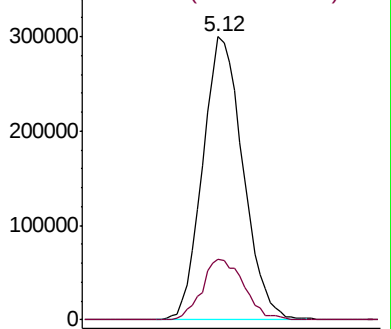
Ion Ratio Lower Upper

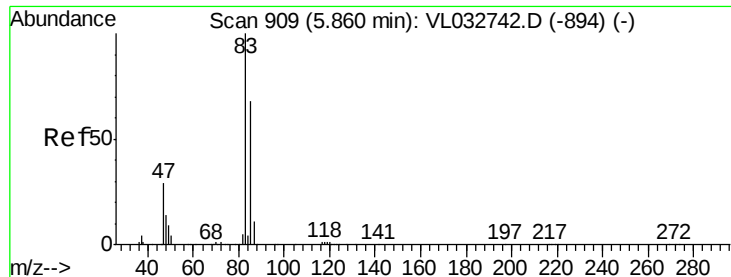
73 100

57 22.4 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: 2.162 ppbv

RT: 5.85 min Scan# 907

Delta R.T. -0.01 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

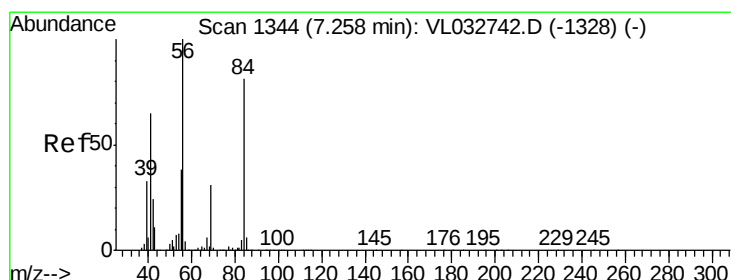
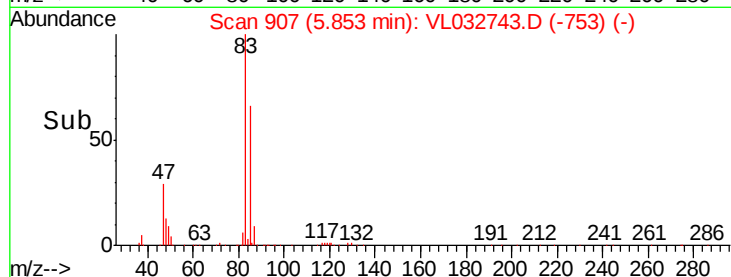
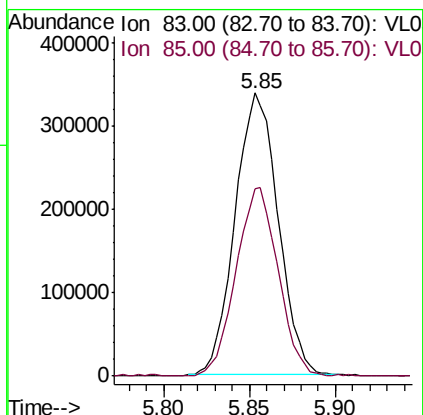
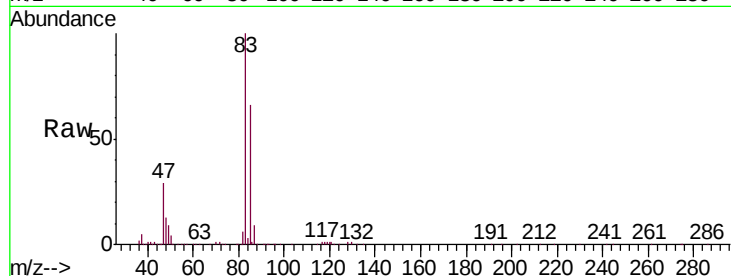
VSTDIC002

Tgt Ion: 83 Resp: 590170

Ion Ratio Lower Upper

83 100

85 66.2 54.2 81.4



#30

Cyclohexane

Concen: 2.162 ppbv

RT: 7.26 min Scan# 1343

Delta R.T. -0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

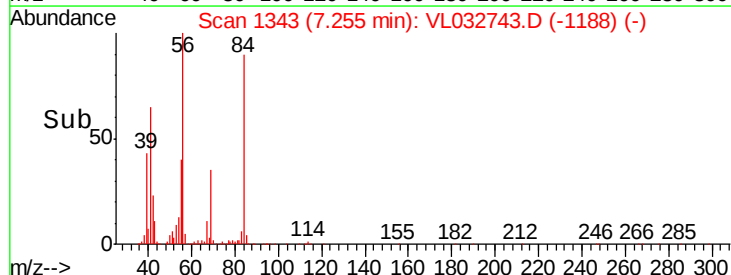
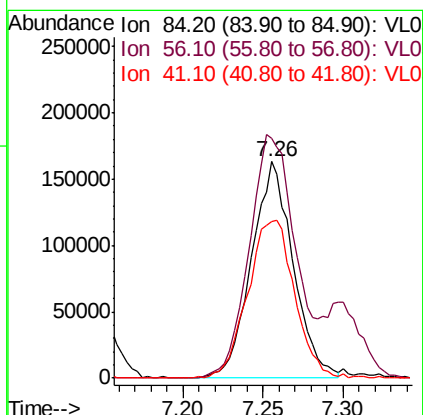
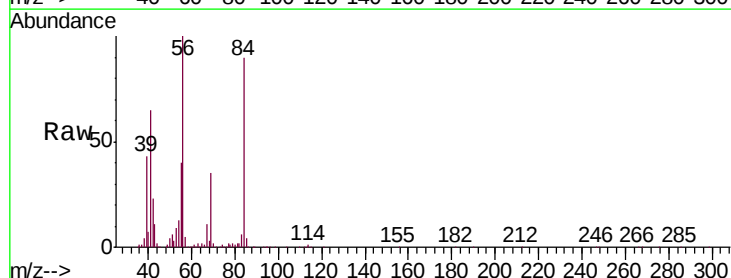
Tgt Ion: 84 Resp: 292583

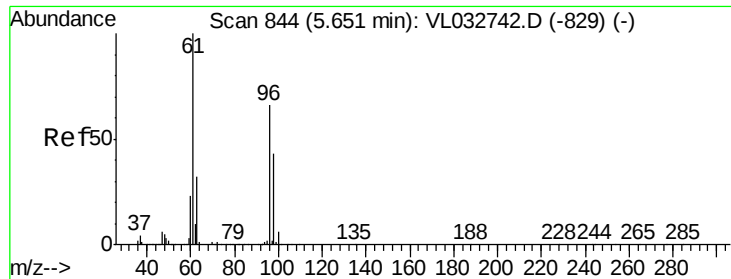
Ion Ratio Lower Upper

84 100

56 155.9 105.0 157.4

41 82.9 65.3 97.9



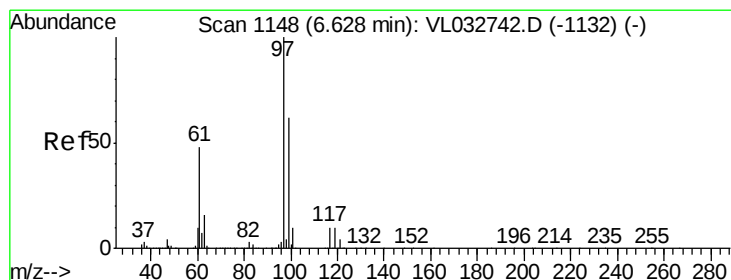
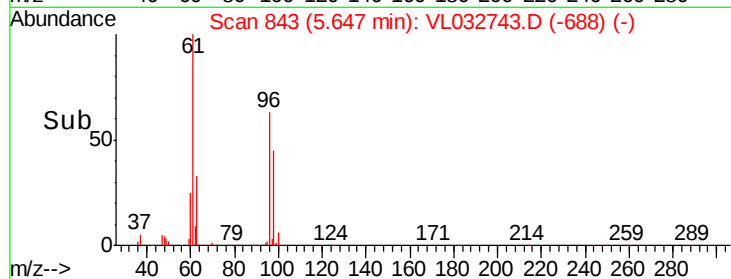
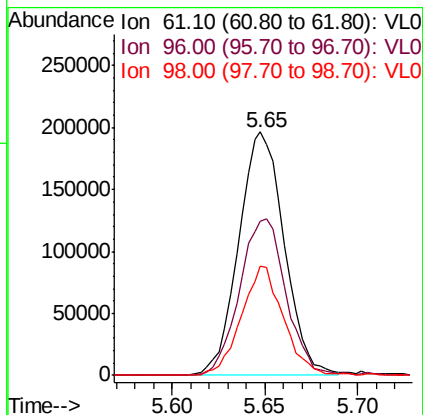
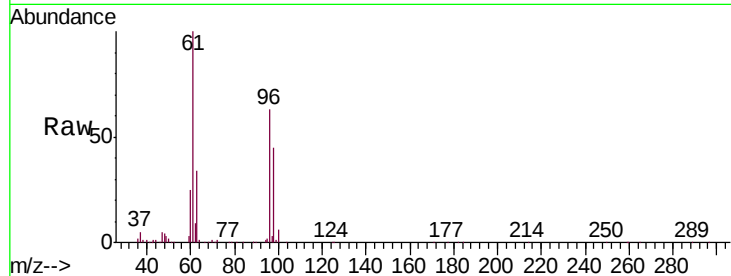


#31

cis-1,2-Dichloroethene
 Concen: 2.120 ppbv
 RT: 5.65 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

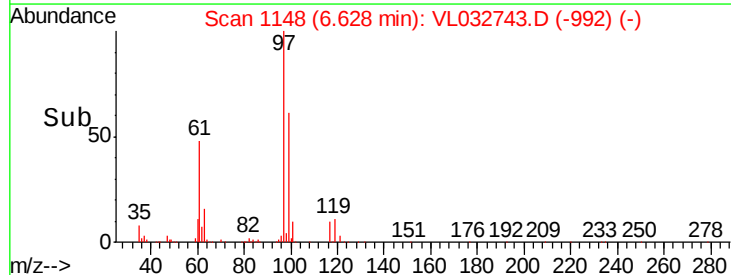
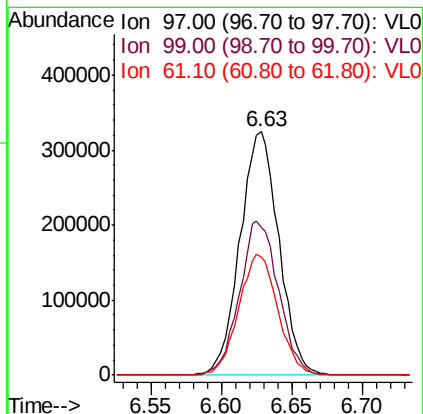
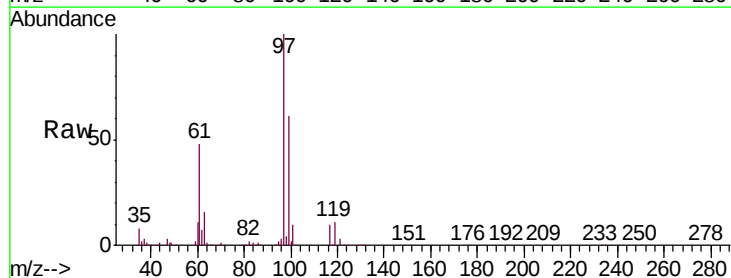
Tgt Ion	Ratio	Lower	Upper
61	100		
96	62.9	53.2	79.8
98	44.7	34.4	51.6

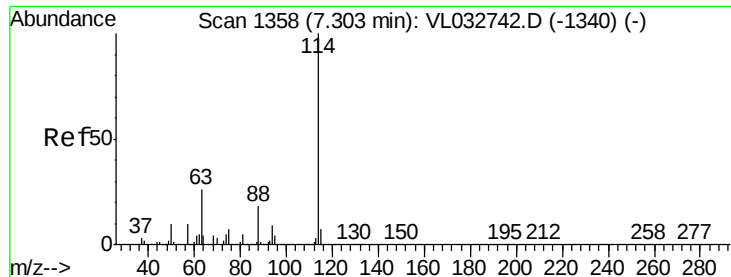


#32

1,1,1-Trichloroethane
 Concen: 2.236 ppbv
 RT: 6.63 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.6
61	50.2	39.7	59.5

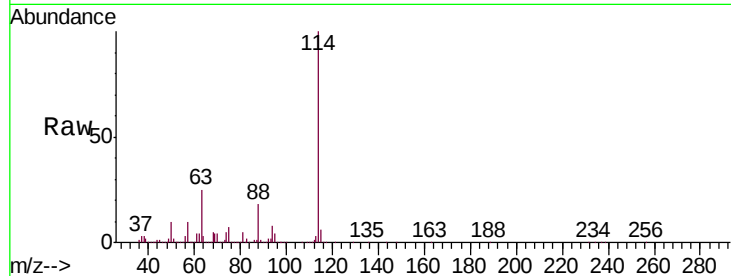




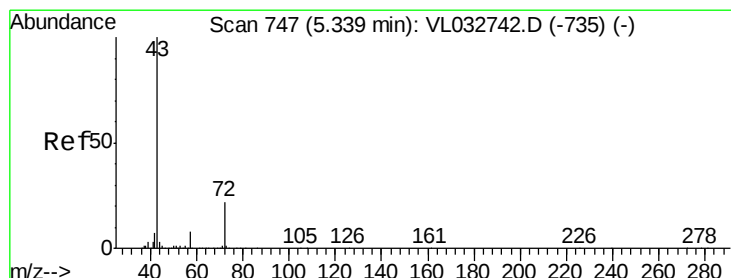
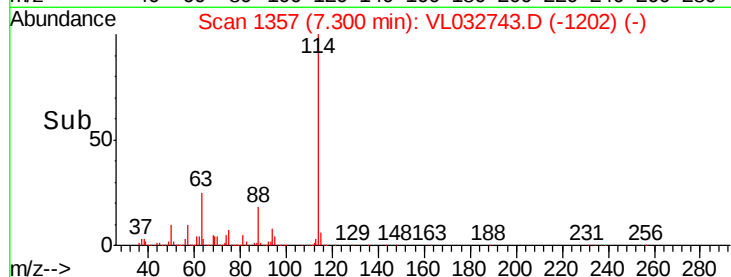
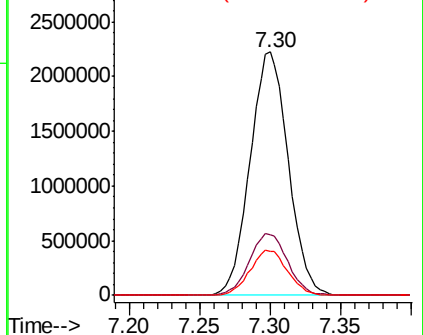
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 114 Resp: 4210053
 Ion Ratio Lower Upper
 114 100
 63 25.6 20.9 31.3
 88 18.2 14.4 21.6

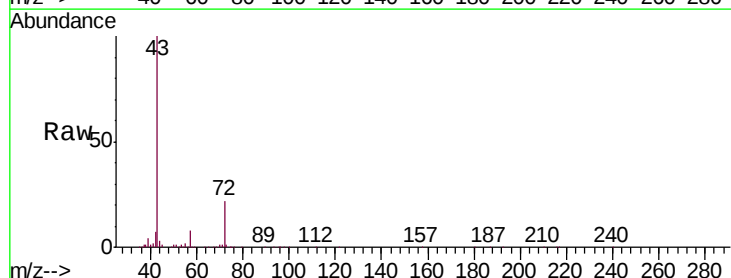


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

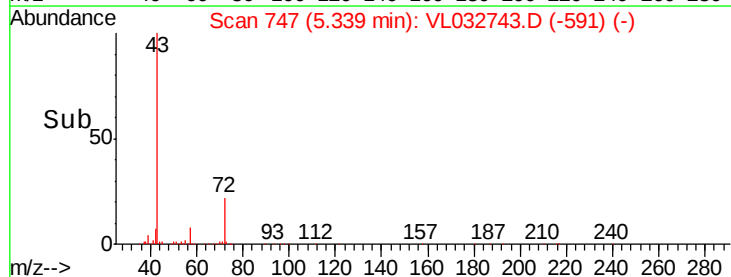
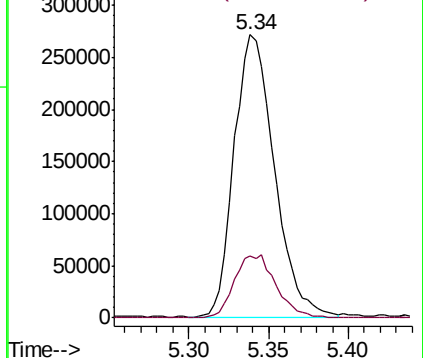


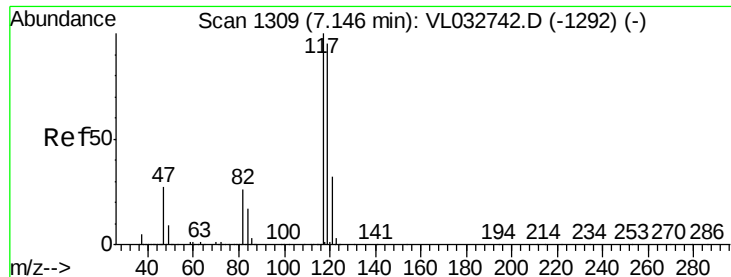
#34
 2-Butanone
 Concen: 2.056 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

Tgt Ion: 43 Resp: 464668
 Ion Ratio Lower Upper
 43 100
 72 23.3 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: 2.211 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. -0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

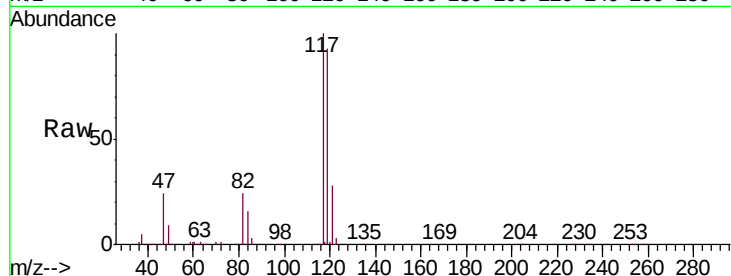
Tgt Ion: 117 Resp: 667046

Ion Ratio Lower Upper

117 100

119 92.8 76.1 114.1

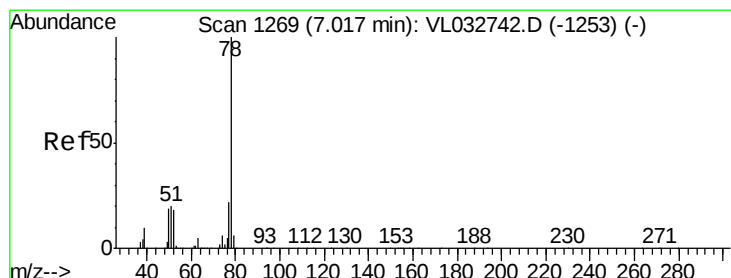
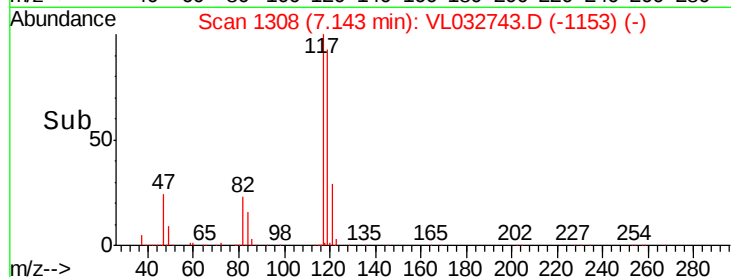
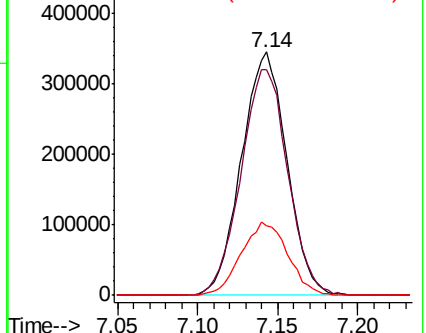
121 28.5 25.4 38.0



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: 2.073 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

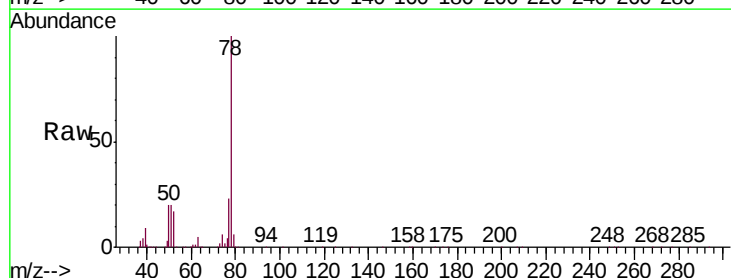
Tgt Ion: 78 Resp: 705075

Ion Ratio Lower Upper

78 100

77 23.1 17.8 26.8

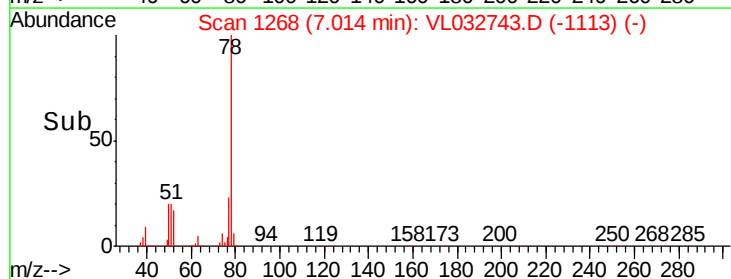
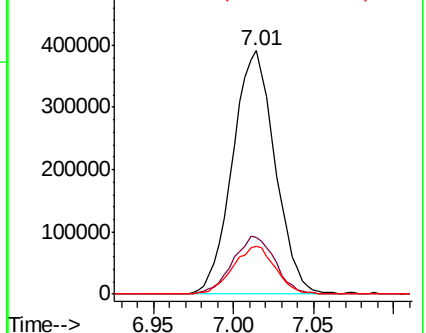
50 19.5 15.4 23.0

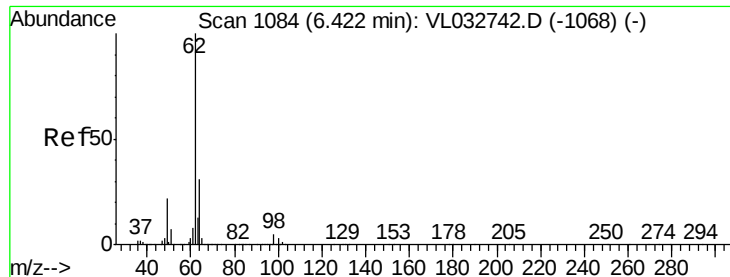


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

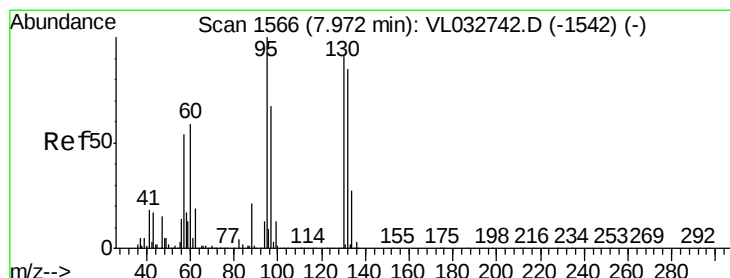
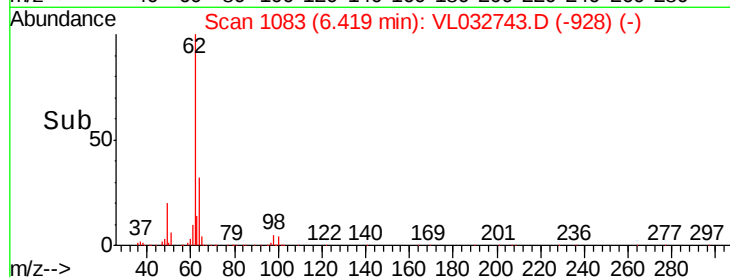
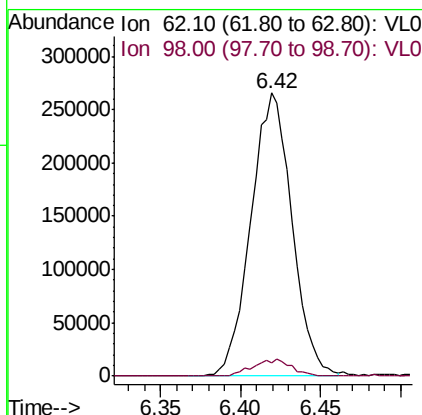
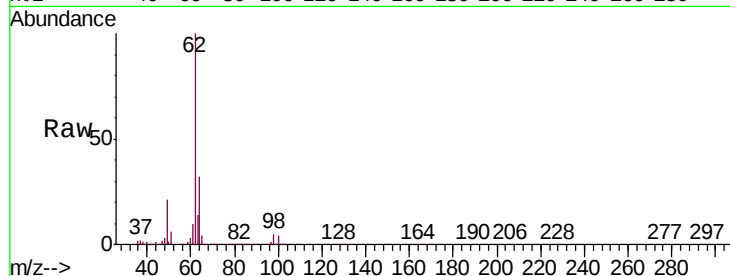




#37
 1,2-Dichloroethane
 Concen: 2.215 ppbv
 RT: 6.42 min Scan# 1083
 Delta R.T. -0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

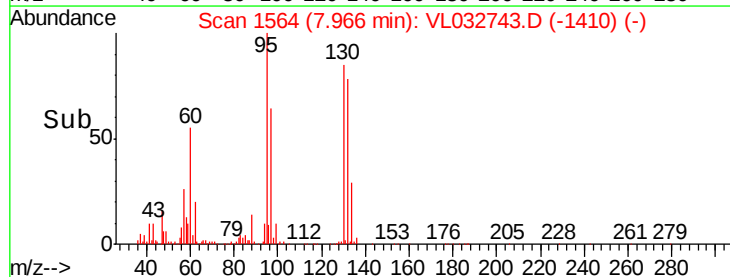
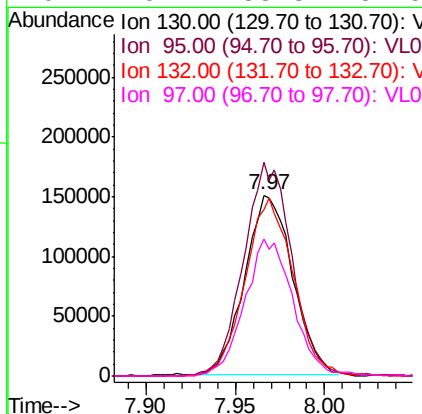
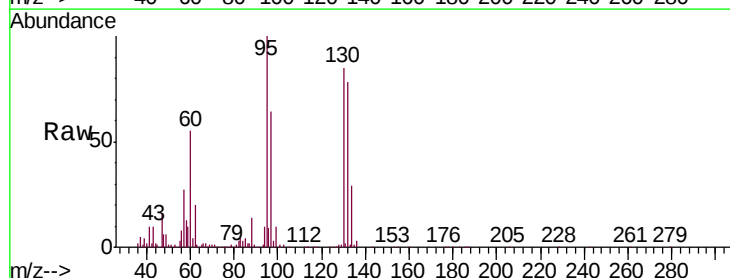
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

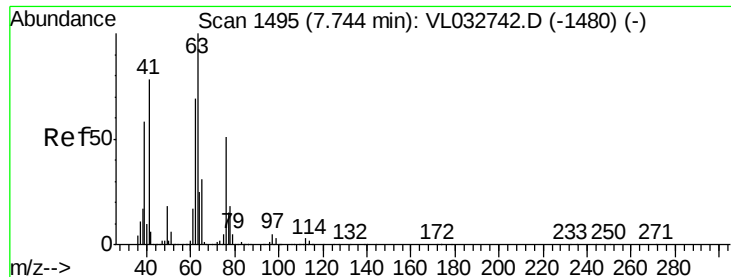
Tgt Ion: 62 Resp: 468225
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.5 6.7



#38
 Trichloroethene
 Concen: 2.215 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

Tgt Ion: 130 Resp: 282165
 Ion Ratio Lower Upper
 130 100
 95 118.5 87.7 131.5
 132 92.1 74.6 111.8
 97 76.4 58.3 87.5





#39

1,2-Dichloropropane

Concen: 2.001 ppbv

RT: 7.74 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

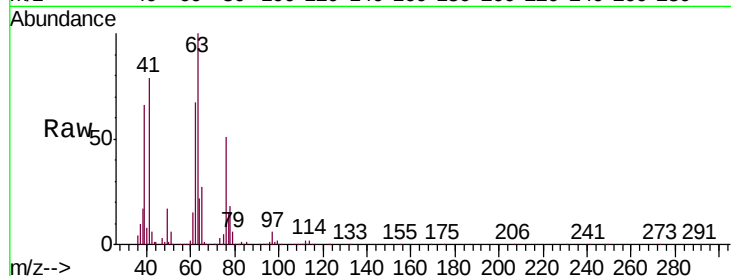
Tgt Ion: 63 Resp: 262749

Ion Ratio Lower Upper

63 100

41 79.1 62.0 93.0

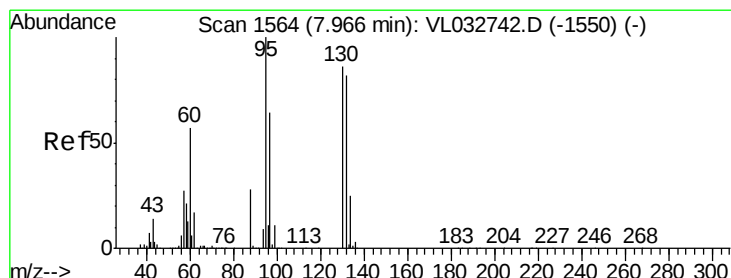
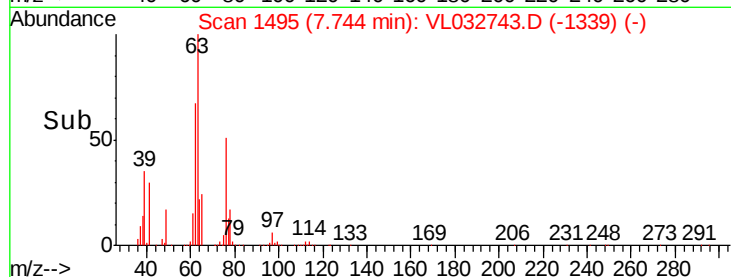
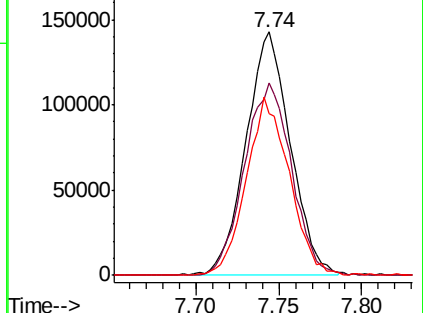
62 66.5 55.4 83.2



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: 1.263 ppbv

RT: 7.98 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Tgt Ion: 88 Resp: 56412

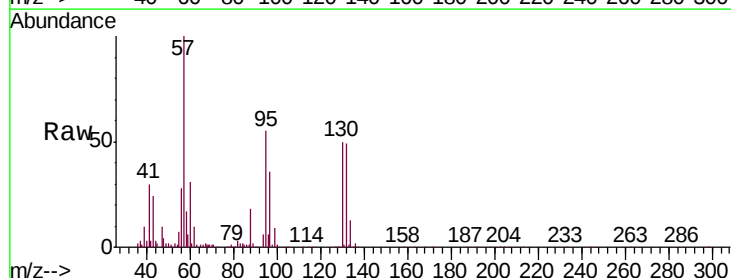
Ion Ratio Lower Upper

88 100

58 0.0 105.3 157.9#

43 0.0 226.1 339.1#

57 0.0 1015.2 1522.8#

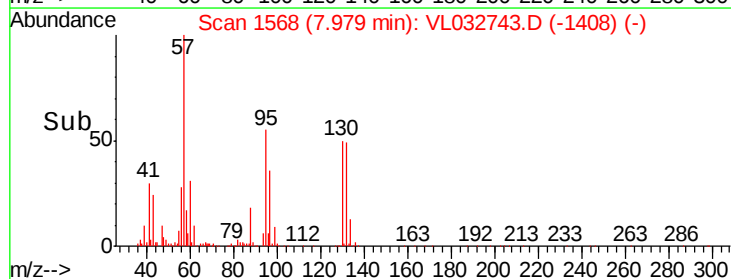
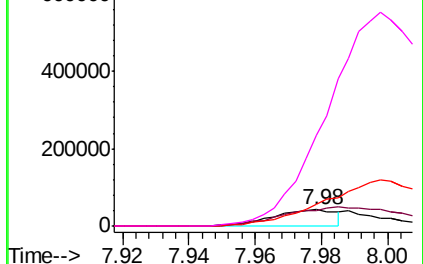


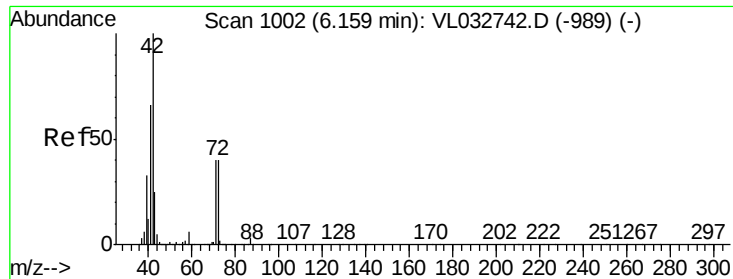
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

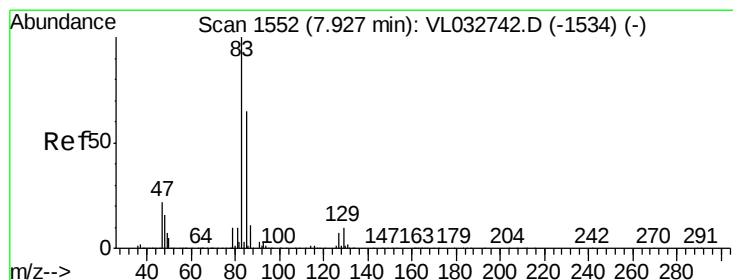
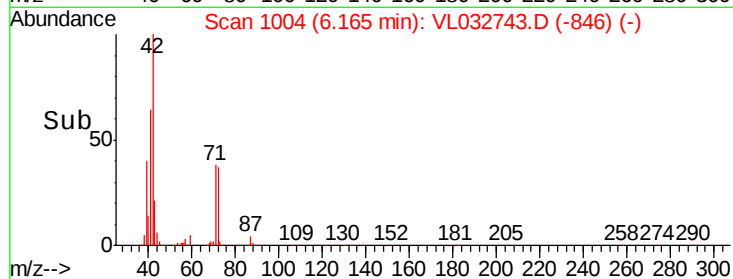
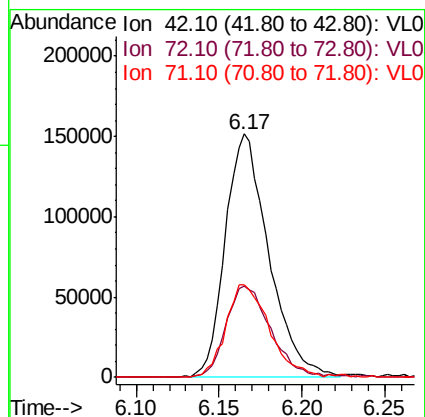
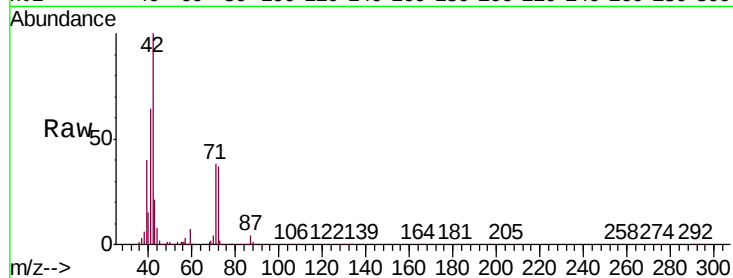




#41
Tetrahydrofuran
Concen: 2.193 ppbv
RT: 6.17 min Scan# 1004
Delta R.T. 0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

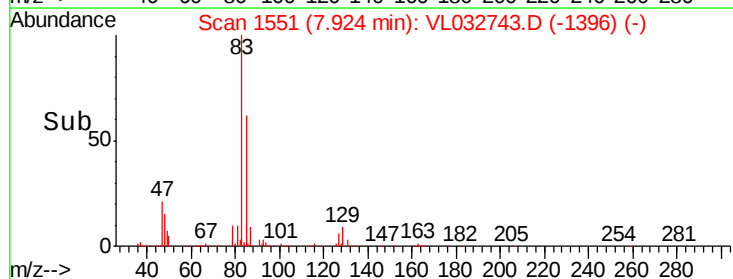
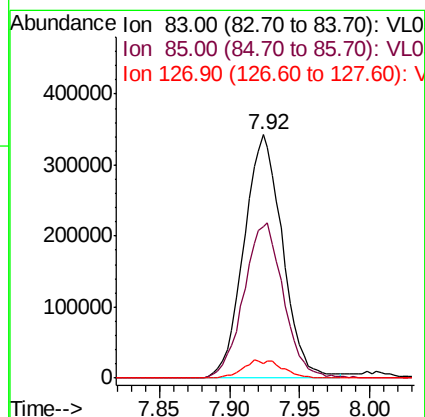
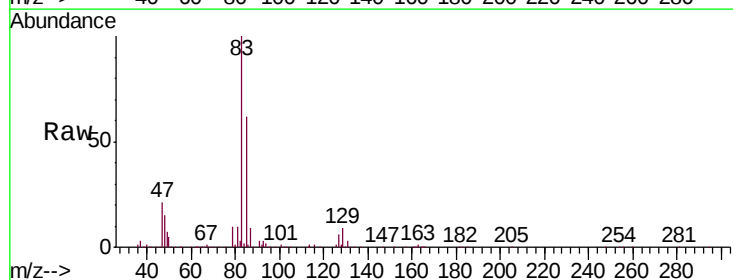
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

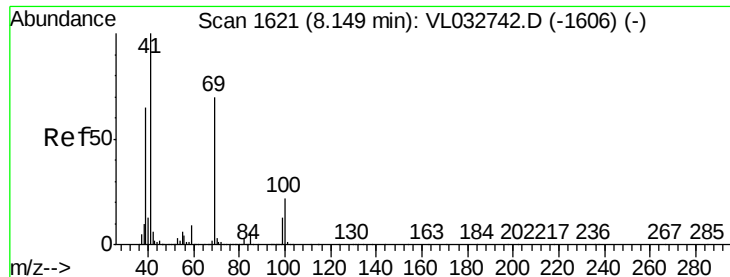
Tgt Ion: 42 Resp: 274288
Ion Ratio Lower Upper
42 100
72 39.4 32.4 48.6
71 39.0 31.6 47.4



#42
Bromodichloromethane
Concen: 2.222 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 83 Resp: 656528
Ion Ratio Lower Upper
83 100
85 62.4 51.8 77.8
127 6.1 5.9 8.9

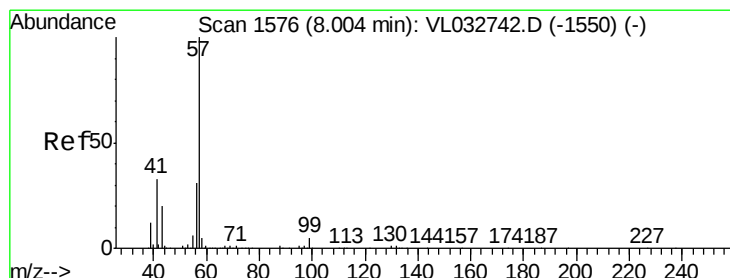
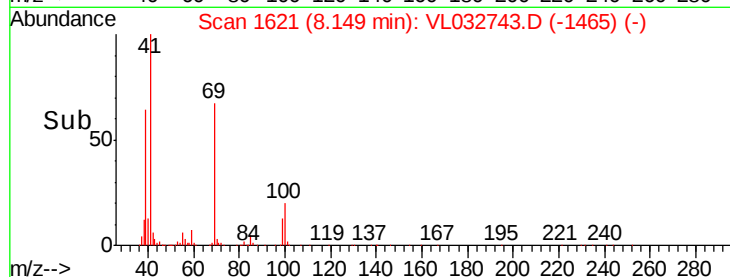
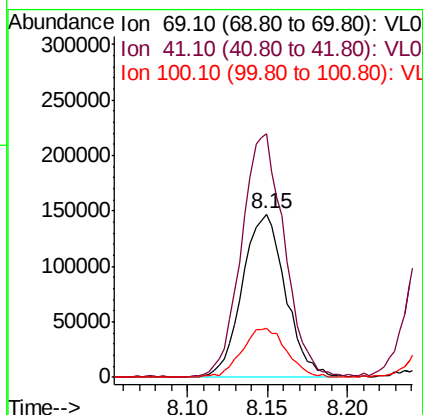
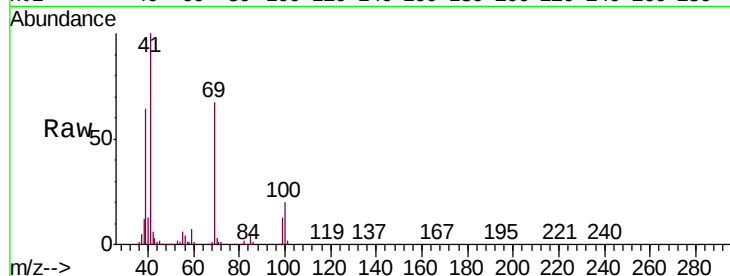




#43
Methyl Methacrylate
Concen: 2.166 ppbv
RT: 8.15 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

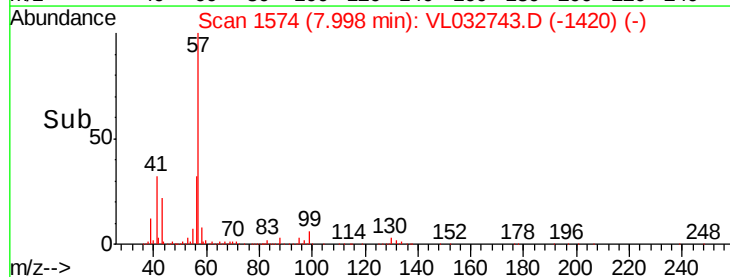
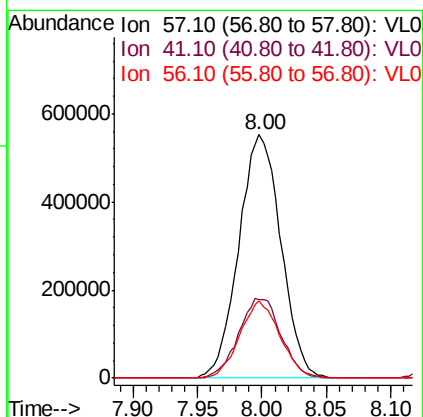
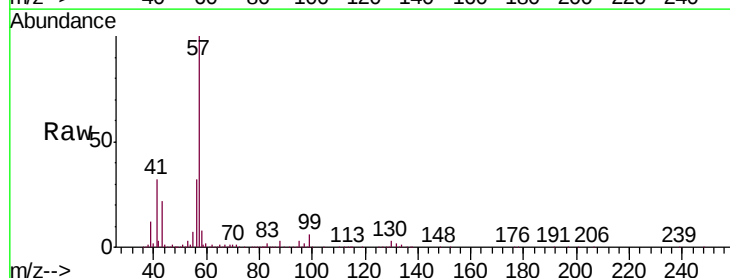
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

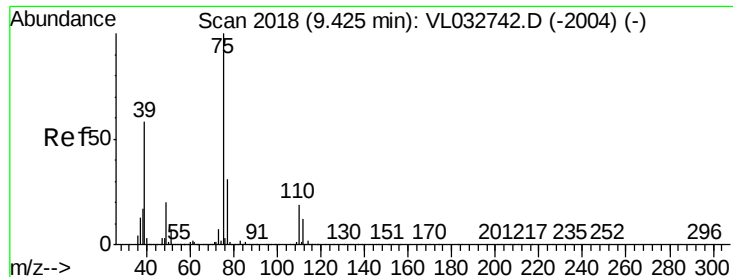
Tgt Ion: 69 Resp: 270716
Ion Ratio Lower Upper
69 100
41 148.1 115.0 172.4
100 31.4 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 2.159 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 57 Resp: 1254458
Ion Ratio Lower Upper
57 100
41 33.2 26.6 39.8
56 30.4 24.8 37.2

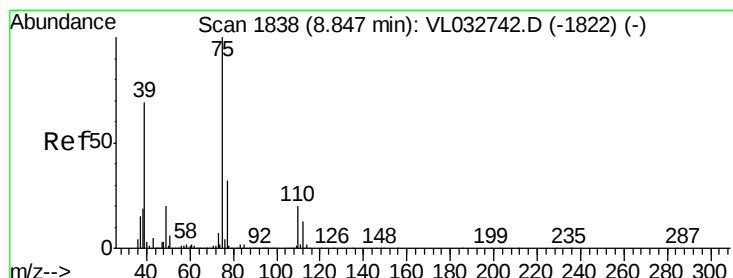
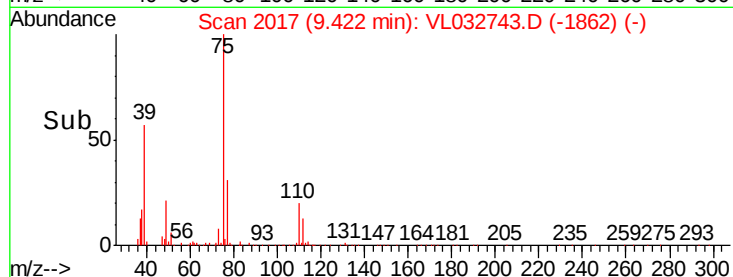
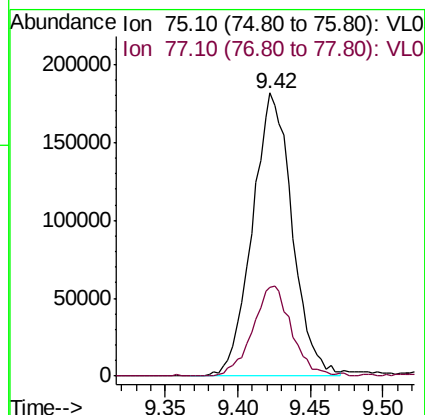
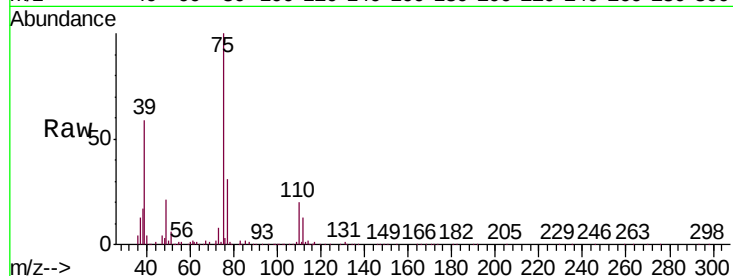




#45
 t-1,3-Dichloropropene
 Concen: 2.074 ppbv
 RT: 9.42 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

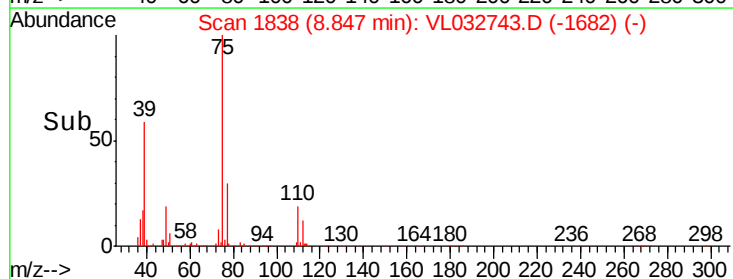
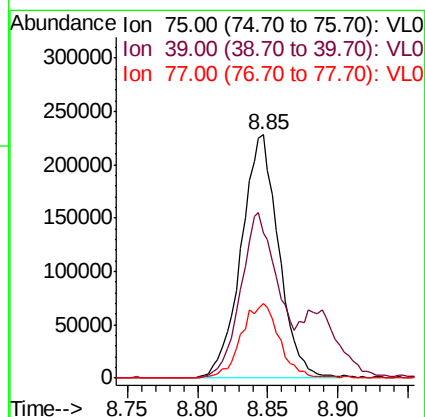
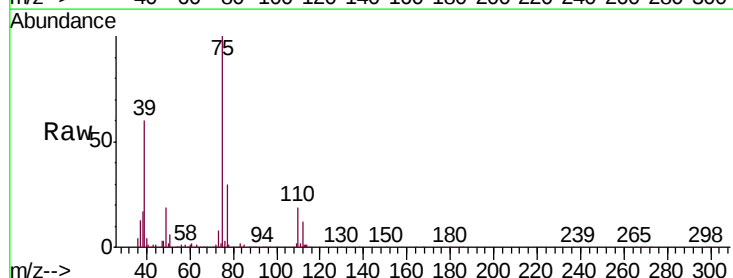
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

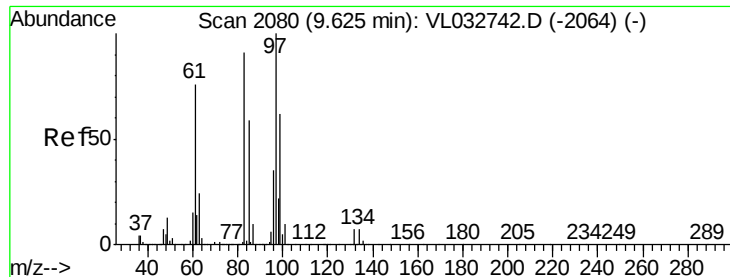
Tgt Ion: 75 Resp: 347065
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.6 36.8



#46
 cis-1,3-Dichloropropene
 Concen: 2.183 ppbv
 RT: 8.85 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

Tgt Ion: 75 Resp: 424328
 Ion Ratio Lower Upper
 75 100
 39 59.3 55.2 82.8
 77 30.2 25.8 38.6

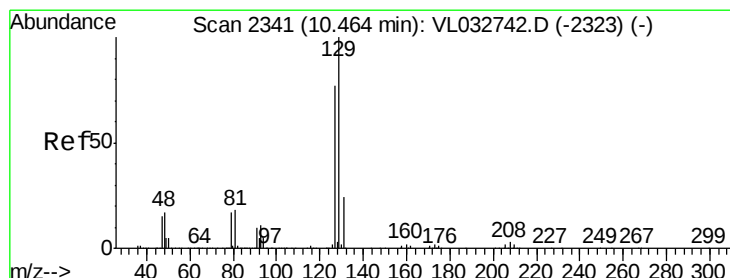
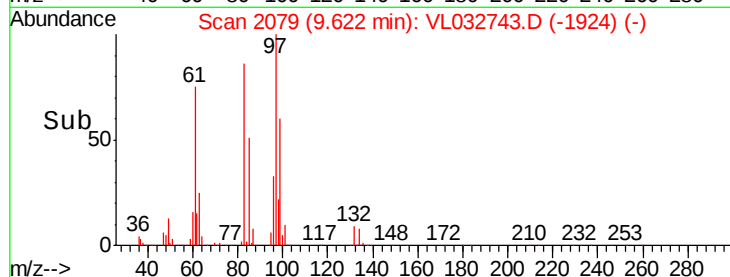
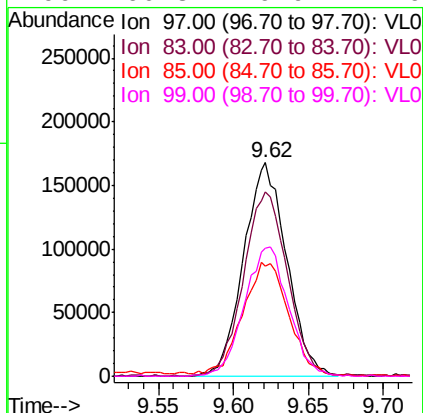
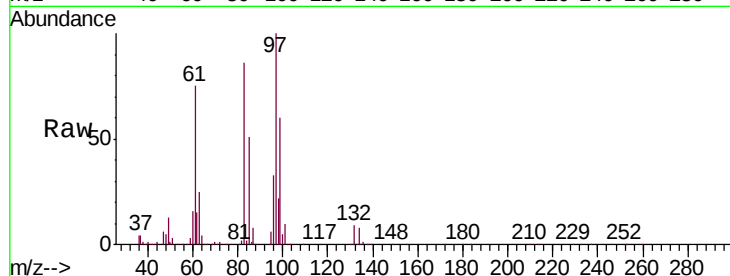




#47
 1,1,2-Trichloroethane
 Concen: 2.159 ppbv
 RT: 9.62 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

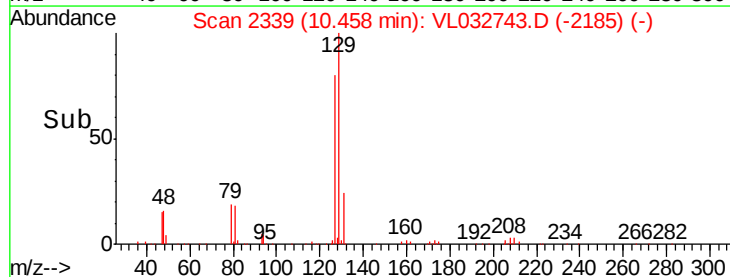
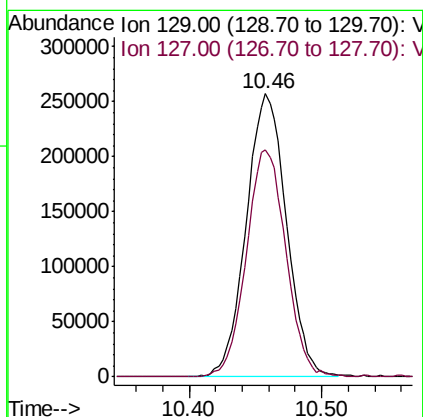
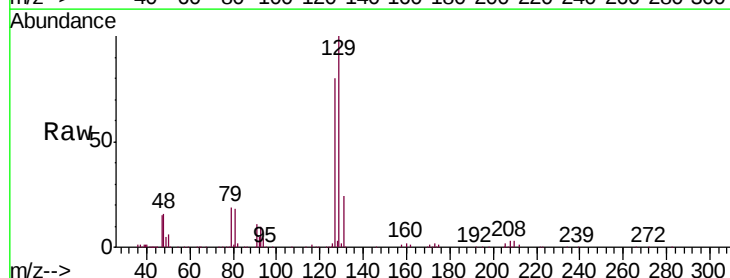
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

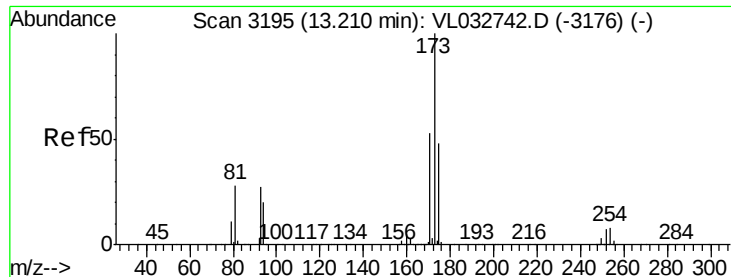
Tgt Ion: 97 Resp: 334910
 Ion Ratio Lower Upper
 97 100
 83 86.2 73.0 109.4
 85 51.1 47.0 70.4
 99 60.3 49.9 74.9



#48
 Dibromochloromethane
 Concen: 2.071 ppbv
 RT: 10.46 min Scan# 2339
 Delta R.T. -0.01 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

Tgt Ion: 129 Resp: 541245
 Ion Ratio Lower Upper
 129 100
 127 79.2 39.0 117.0





#49

Bromoform

Concen: 2.341 ppbv

RT: 13.21 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

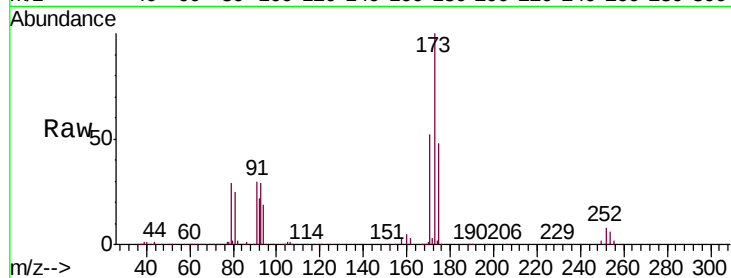
Tgt Ion:173 Resp: 480382

Ion Ratio Lower Upper

173 100

175 48.6 39.4 59.0

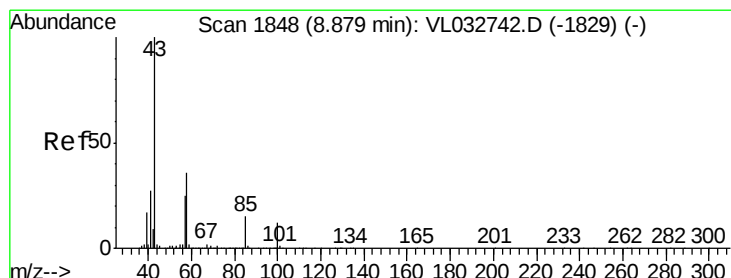
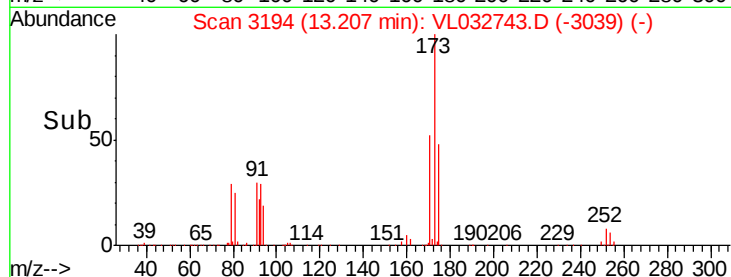
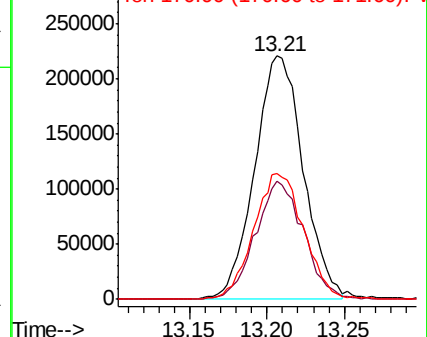
171 53.7 42.0 63.0



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: 2.231 ppbv

RT: 8.89 min Scan# 1850

Delta R.T. 0.01 min

Lab File: VL032743.D

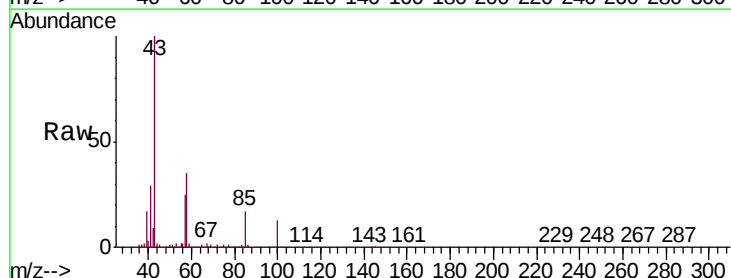
Acq: 14 Nov 2018 3:08

Tgt Ion: 43 Resp: 754178

Ion Ratio Lower Upper

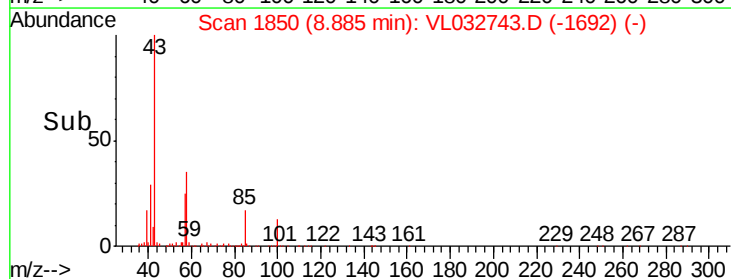
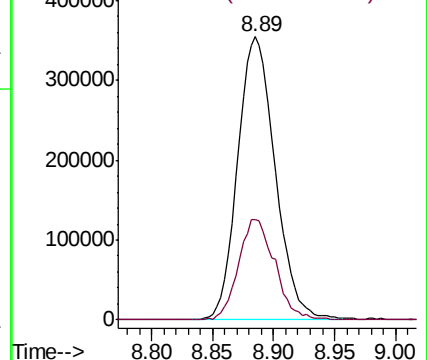
43 100

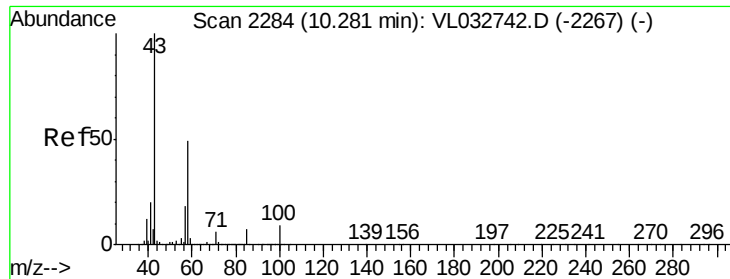
58 34.7 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 1.935 ppbv

RT: 10.29 min Scan# 2287

Delta R.T. 0.01 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

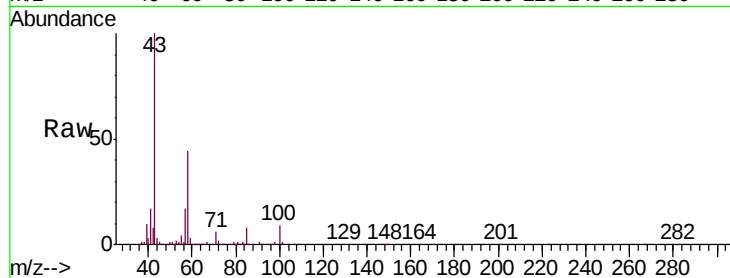
Tgt Ion: 43 Resp: 470744

Ion Ratio Lower Upper

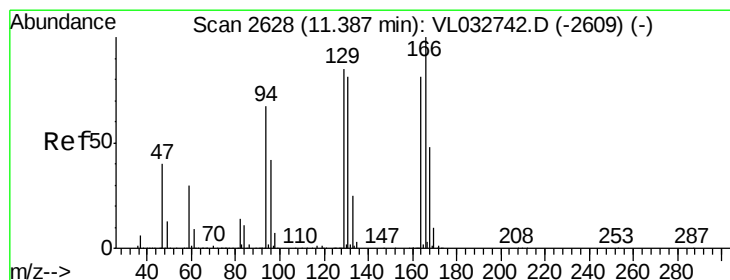
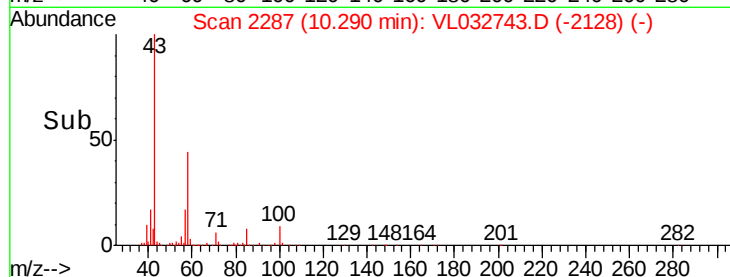
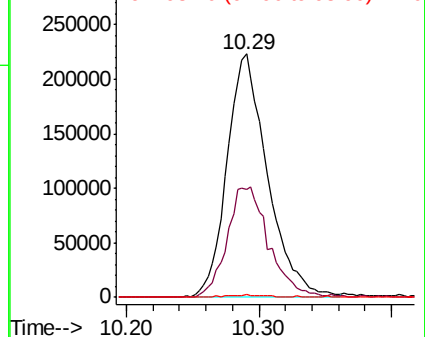
43 100

58 47.5 38.9 58.3

98 1.1 0.2 0.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 2.064 ppbv

RT: 11.38 min Scan# 2626

Delta R.T. -0.01 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Tgt Ion: 164 Resp: 246038

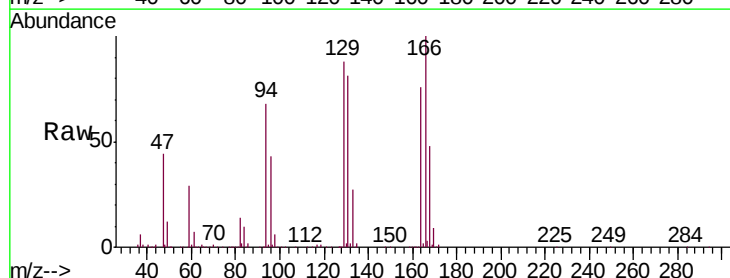
Ion Ratio Lower Upper

164 100

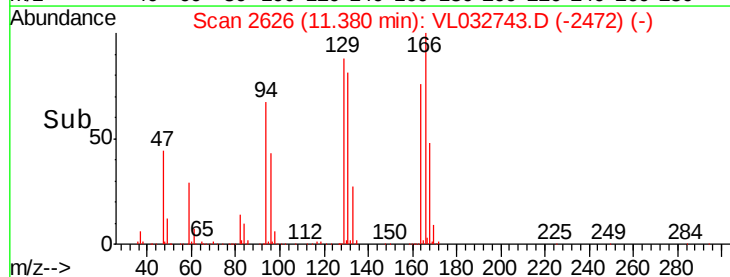
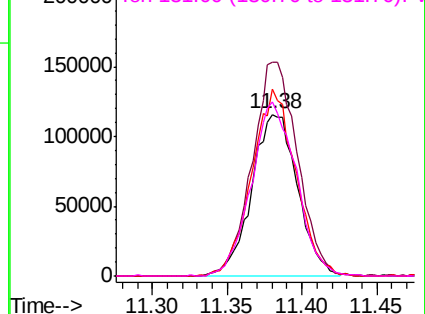
166 132.2 99.3 148.9

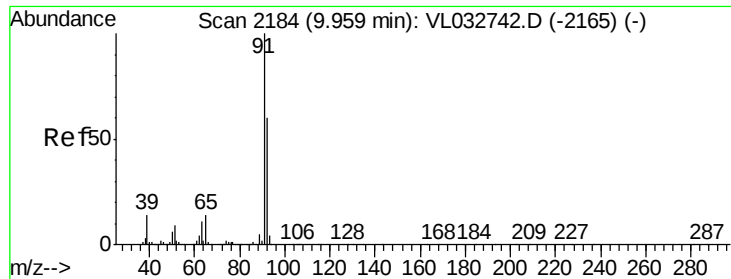
129 115.5 83.9 125.9

131 106.9 80.8 121.2



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 2.011 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. -0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

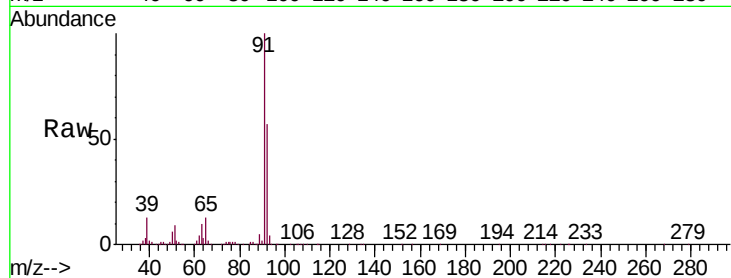
VSTDIC002

Tgt Ion: 91 Resp: 773342

Ion Ratio Lower Upper

91 100

92 60.0 47.9 71.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.96

400000

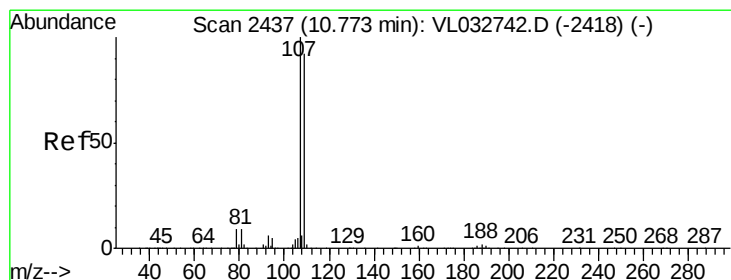
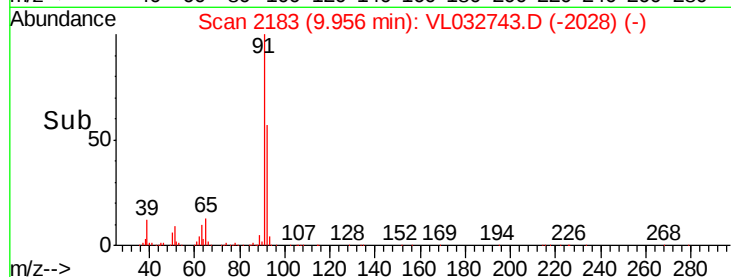
300000

200000

100000

0

Time--> 9.85 9.90 9.95 10.00



#54

1,2-Dibromoethane

Concen: 2.252 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. -0.01 min

Lab File: VL032743.D

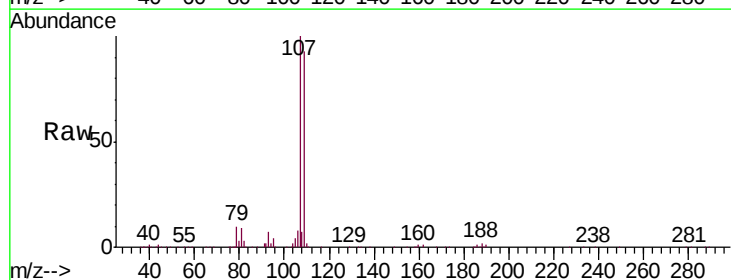
Acq: 14 Nov 2018 3:08

Tgt Ion: 107 Resp: 469836

Ion Ratio Lower Upper

107 100

109 93.4 73.8 110.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.77

250000

200000

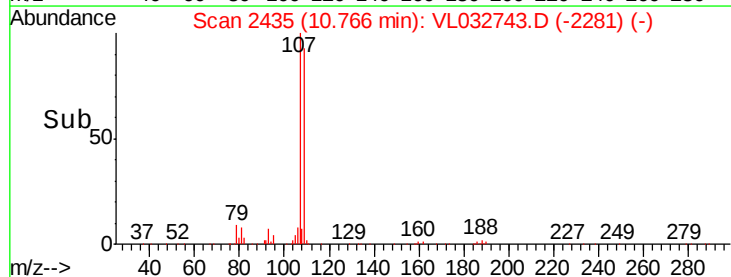
150000

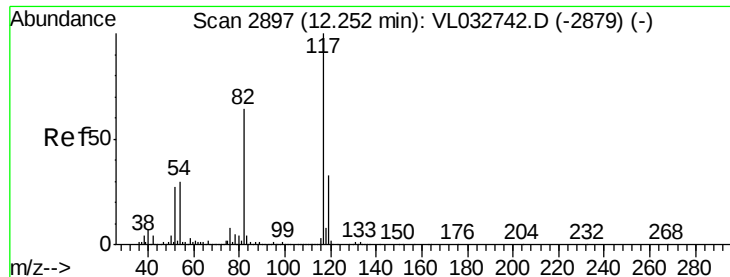
100000

50000

0

Time--> 10.70 10.75 10.80

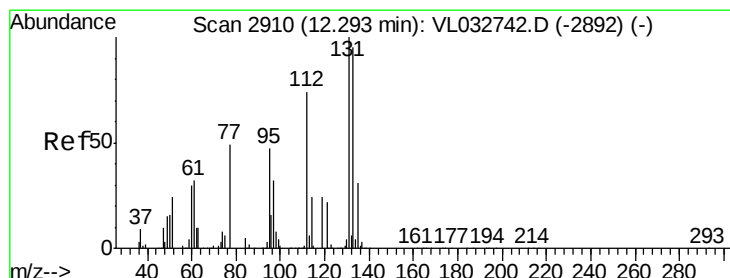
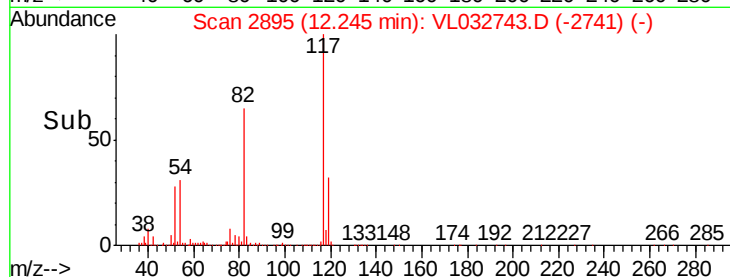
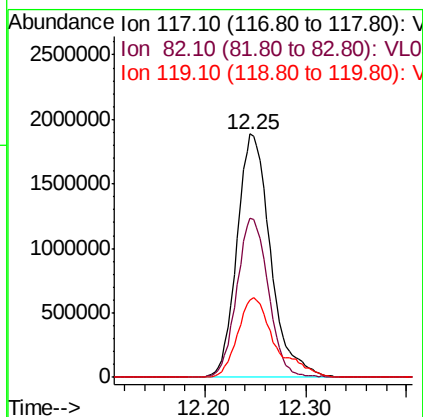
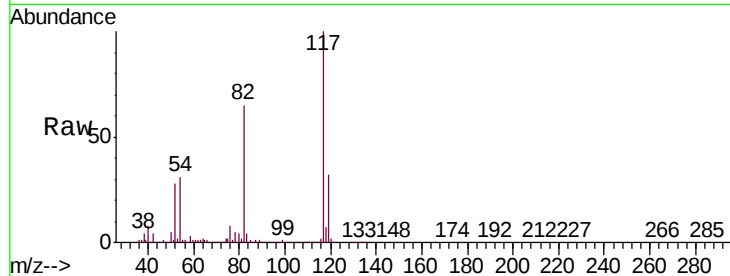




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

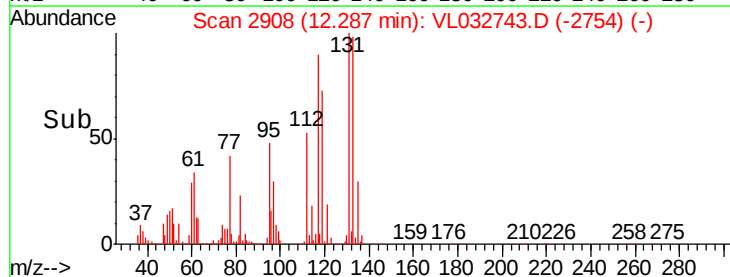
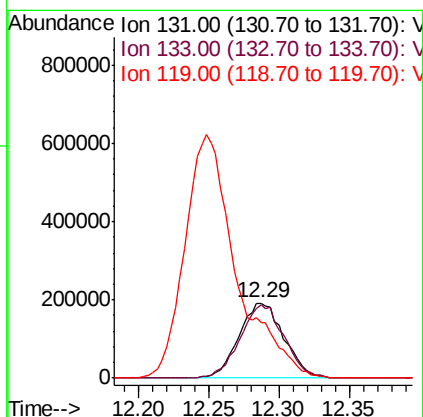
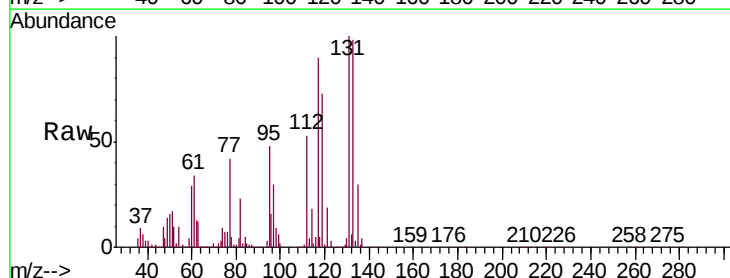
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

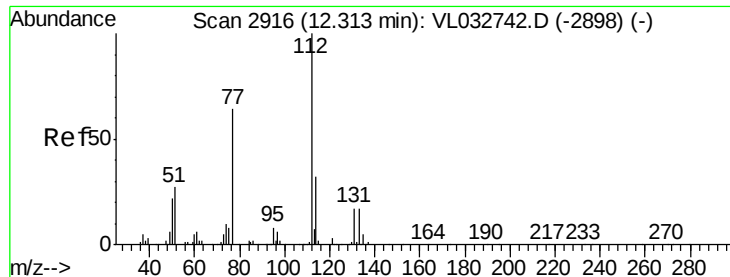
Tgt Ion:117 Resp: 4352065
Ion Ratio Lower Upper
117 100
82 61.9 51.0 76.6
119 36.4 28.0 42.0



#56
1,1,1,2-Tetrachloroethane
Concen: 2.219 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:131 Resp: 428878
Ion Ratio Lower Upper
131 100
133 95.6 75.8 113.6
119 369.2 45.2 67.8#





#57

Chlorobenzene

Concen: 2.167 ppbv

RT: 12.31 min Scan# 2916

Delta R.T. 0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

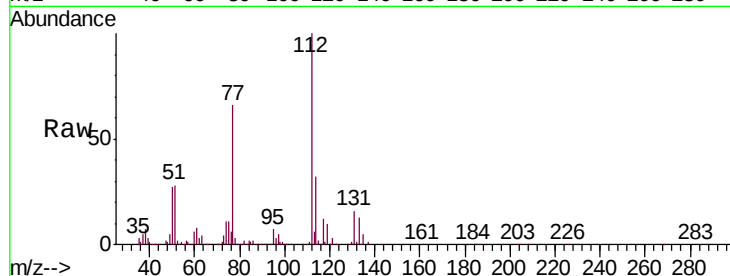
Tgt Ion: 112 Resp: 701578

Ion Ratio Lower Upper

112 100

77 65.3 52.3 78.5

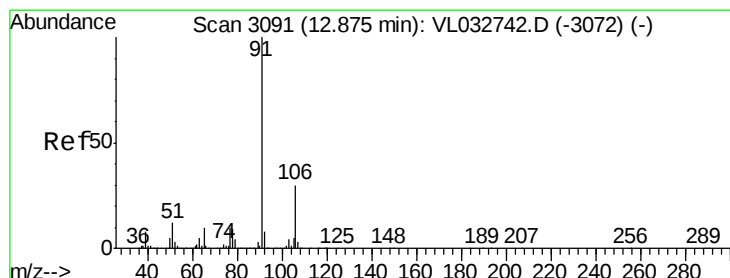
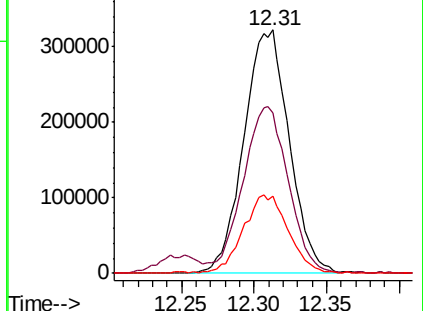
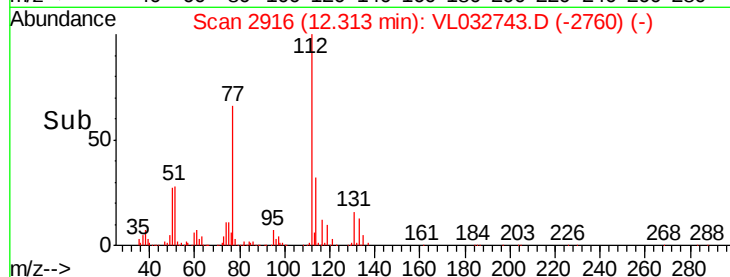
114 31.5 28.4 34.8



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: 2.288 ppbv

RT: 12.87 min Scan# 3090

Delta R.T. -0.00 min

Lab File: VL032743.D

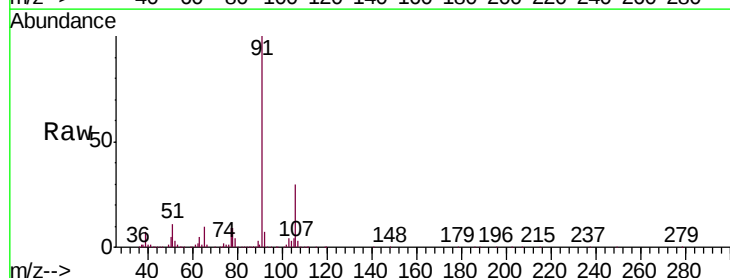
Acq: 14 Nov 2018 3:08

Tgt Ion: 91 Resp: 1168566

Ion Ratio Lower Upper

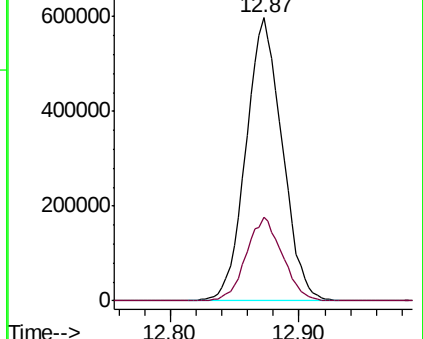
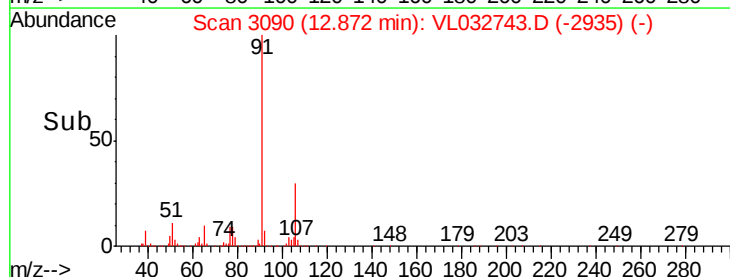
91 100

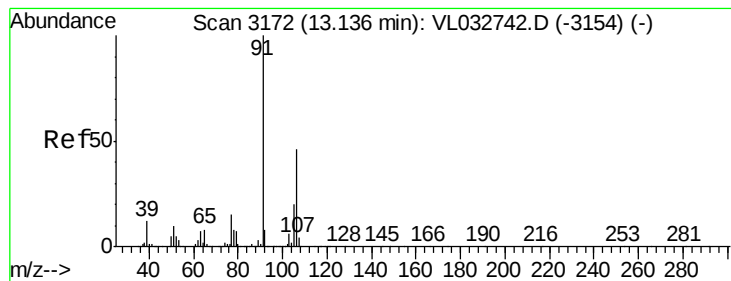
106 29.7 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 2.206 ppbv

RT: 13.13 min Scan# 3171

Delta R.T. -0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

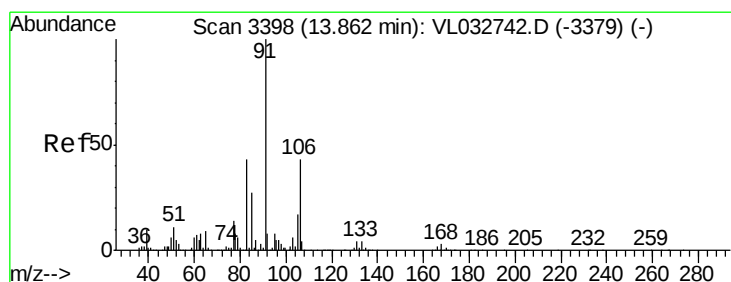
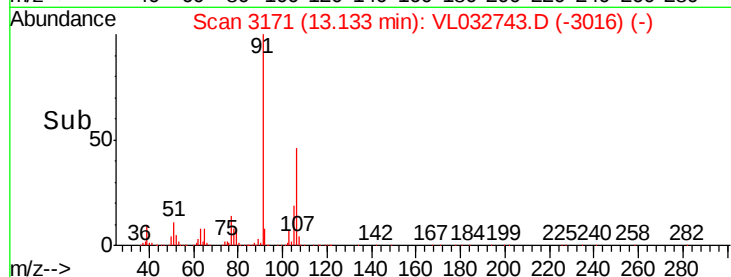
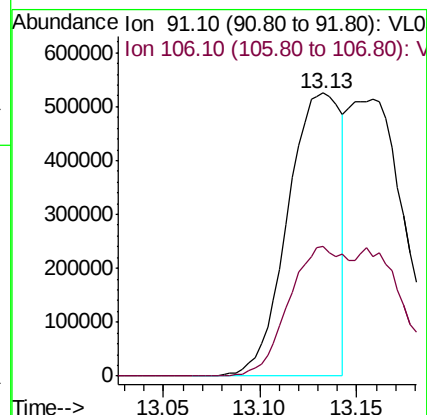
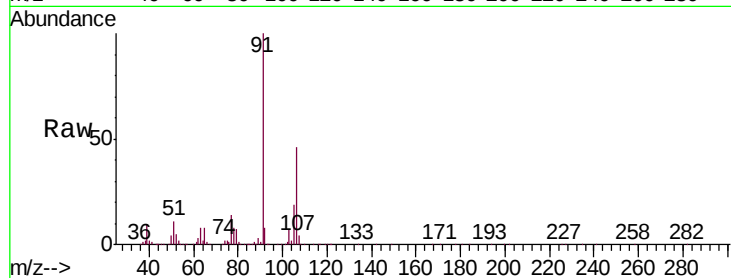
VSTDIC002

Tgt Ion: 91 Resp: 1002731

Ion Ratio Lower Upper

91 100

106 90.1 36.1 54.1#



#60

o-Xylene

Concen: 2.299 ppbv

RT: 13.85 min Scan# 3395

Delta R.T. -0.01 min

Lab File: VL032743.D

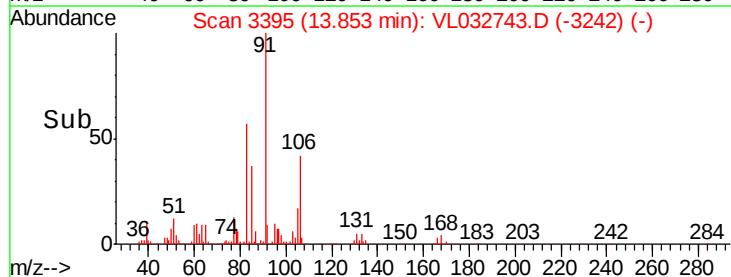
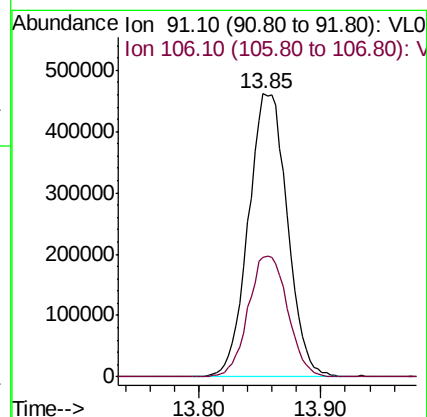
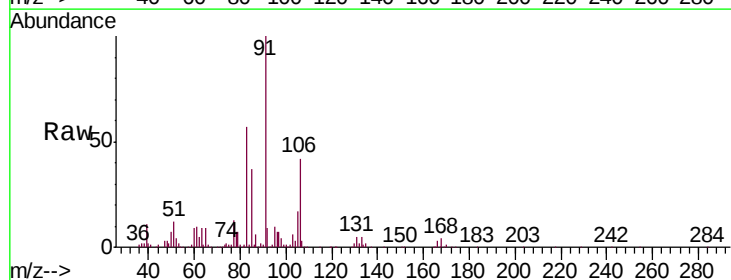
Acq: 14 Nov 2018 3:08

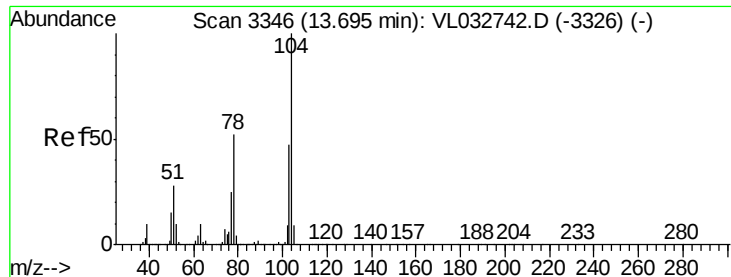
Tgt Ion: 91 Resp: 1014975

Ion Ratio Lower Upper

91 100

106 43.3 21.9 65.7

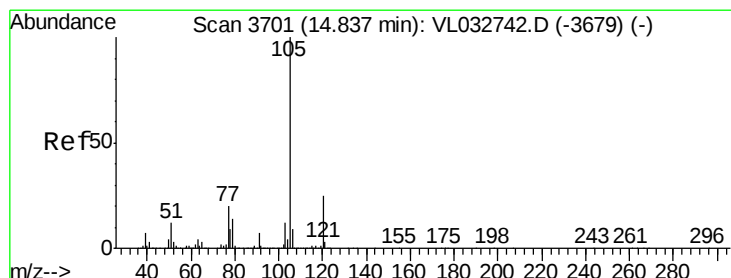
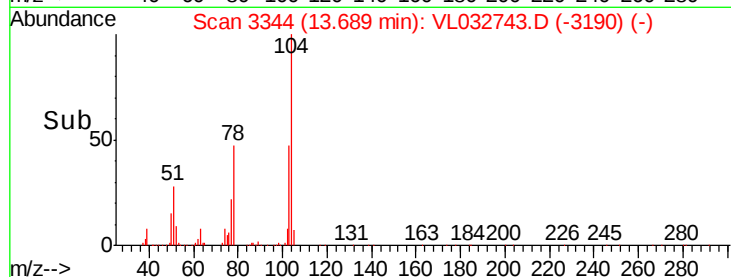
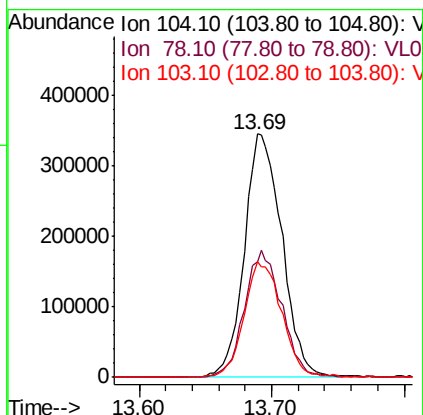
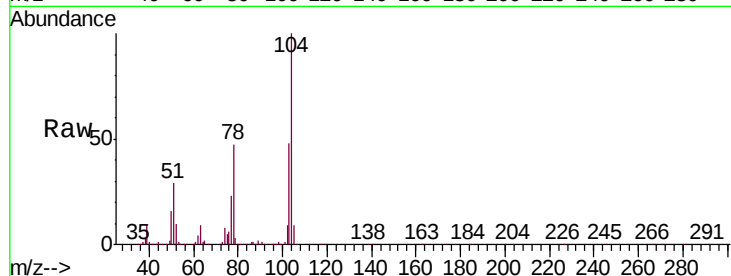




#61
Styrene
Concen: 2.297 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

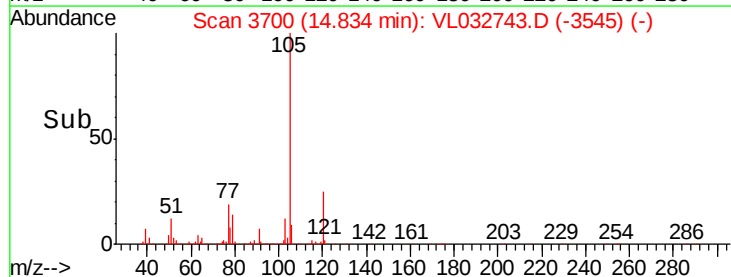
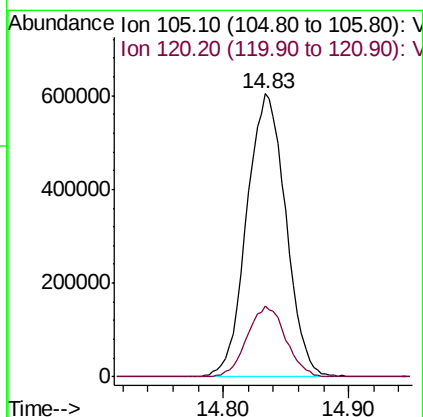
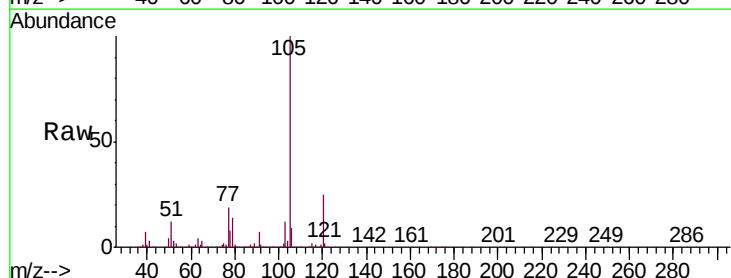
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

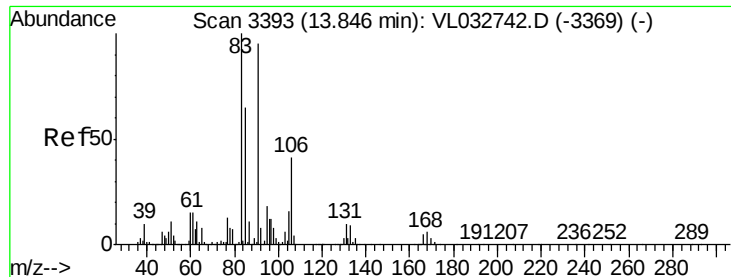
Tgt Ion:104 Resp: 678601
Ion Ratio Lower Upper
104 100
78 52.3 42.2 63.4
103 48.0 38.2 57.2



#62
Isopropylbenzene
Concen: 2.090 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:105 Resp: 1303799
Ion Ratio Lower Upper
105 100
120 24.8 20.1 30.1

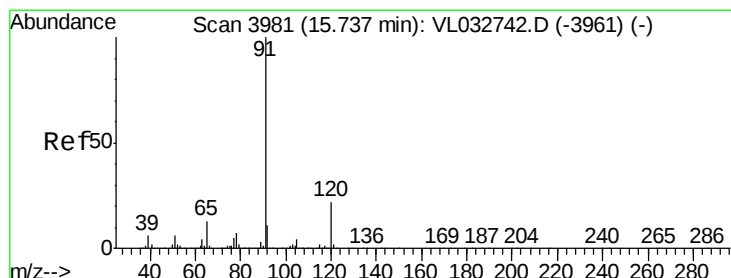
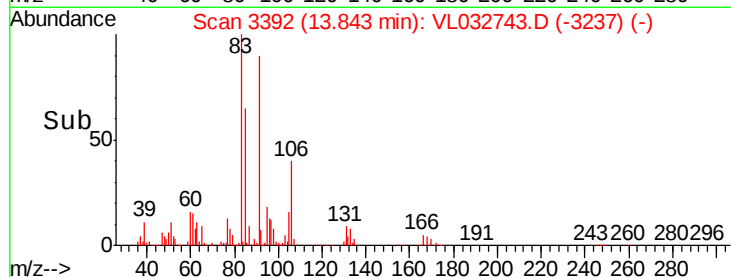
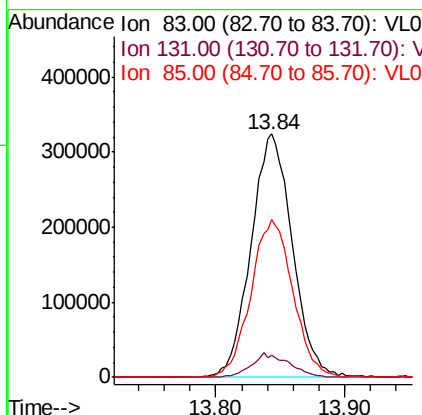
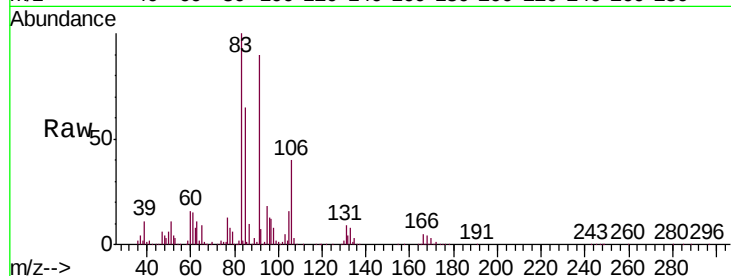




#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.099 ppbv
 RT: 13.84 min Scan# 3392
 Delta R.T. -0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

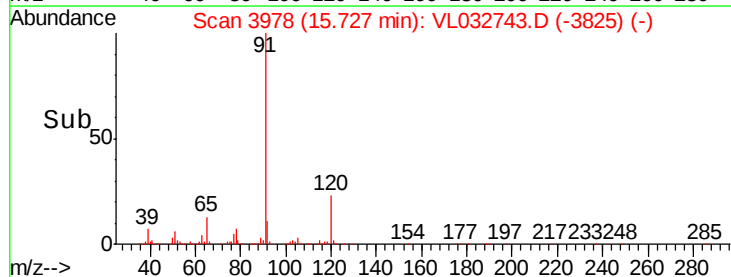
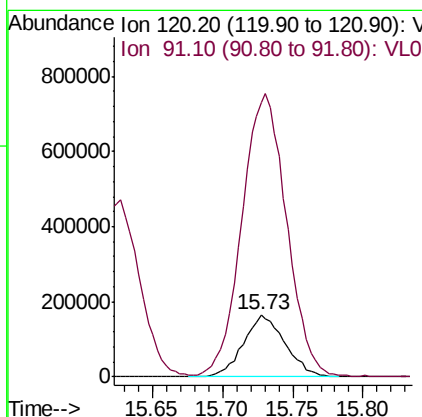
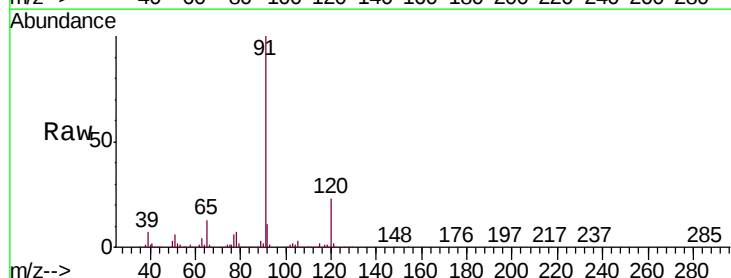
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

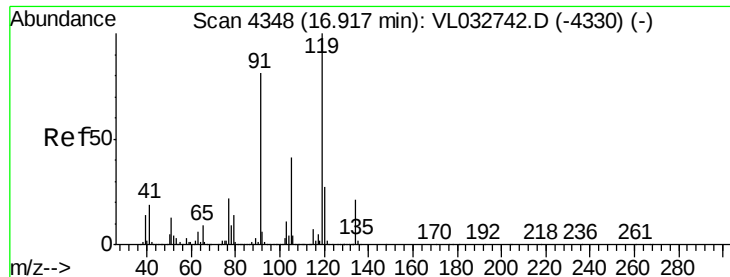
Tgt Ion: 83 Resp: 720640
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.7 14.1
 85 66.4 32.5 97.4



#64
 n-propylbenzene
 Concen: 2.187 ppbv
 RT: 15.73 min Scan# 3978
 Delta R.T. -0.01 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

Tgt Ion: 120 Resp: 341588
 Ion Ratio Lower Upper
 120 100
 91 487.3 381.7 572.5

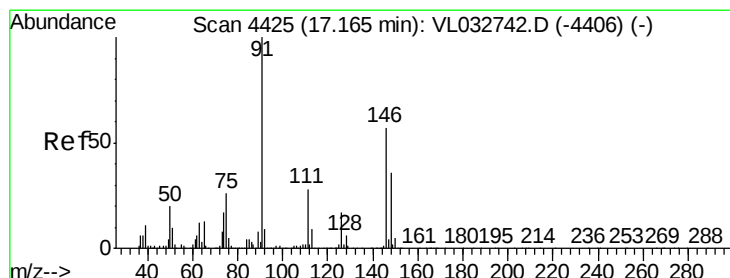
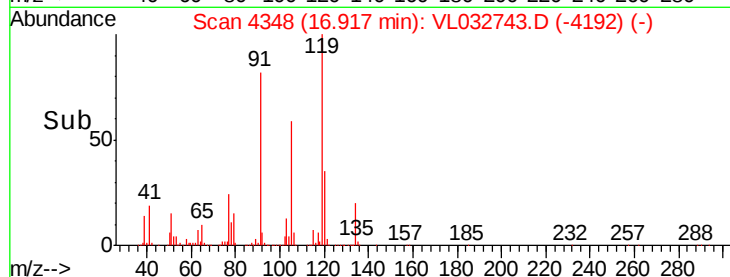
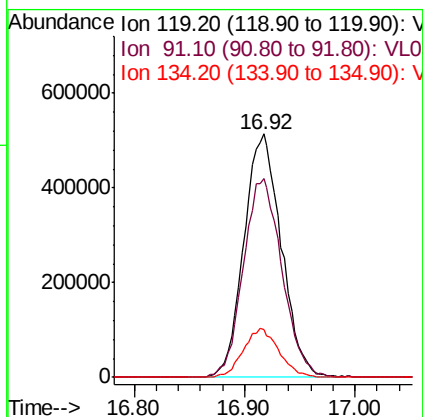
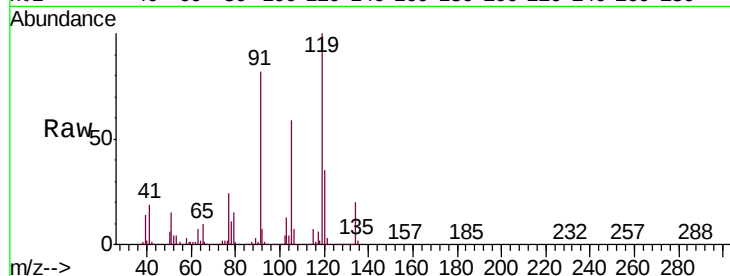




#65
tert-Butylbenzene
Concen: 2.245 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

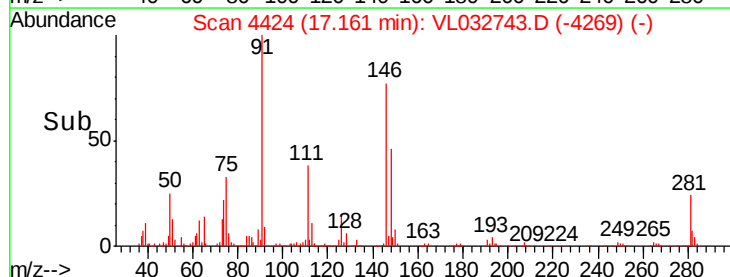
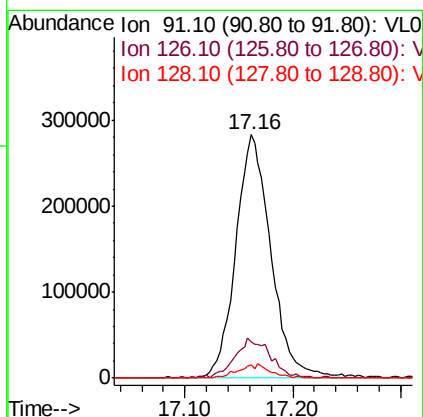
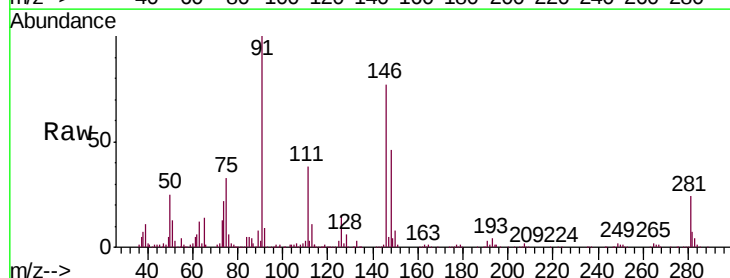
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

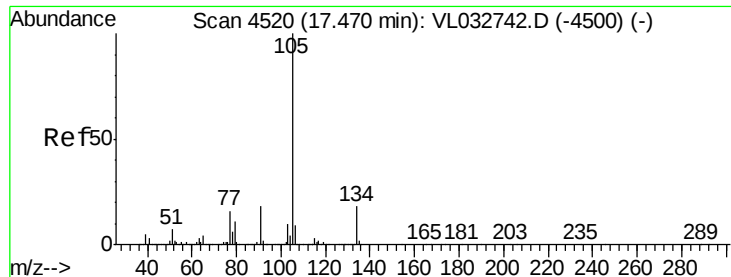
Tgt Ion: 119 Resp: 1206886
Ion Ratio Lower Upper
119 100
91 84.6 65.6 98.4
134 19.2 15.9 23.9



#66
Benzyl Chloride
Concen: 2.263 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 91 Resp: 635242
Ion Ratio Lower Upper
91 100
126 17.2 14.2 21.2
128 5.3 4.5 6.7

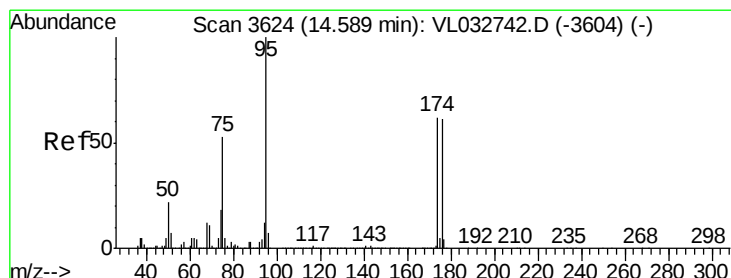
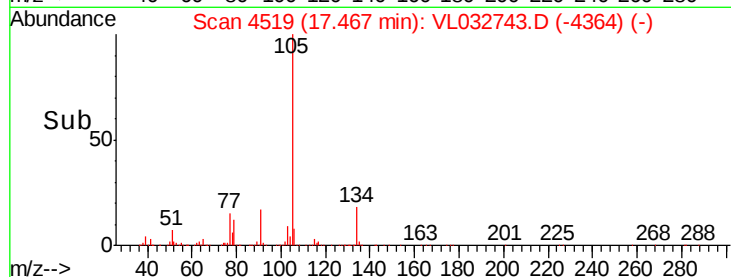
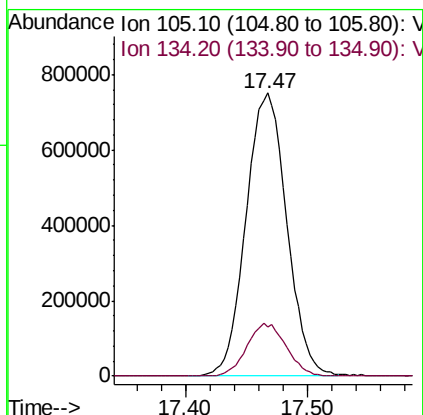
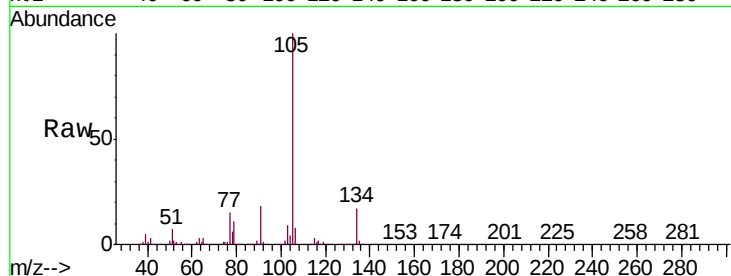




#67
 sec-Butylbenzene
 Concen: 2.267 ppbv
 RT: 17.47 min Scan# 4519
 Delta R.T. -0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

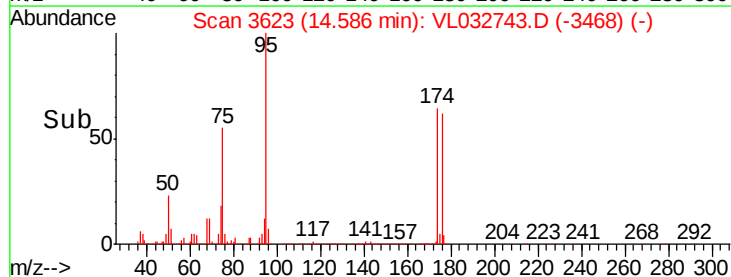
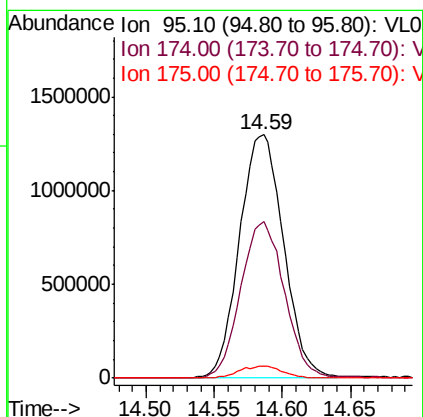
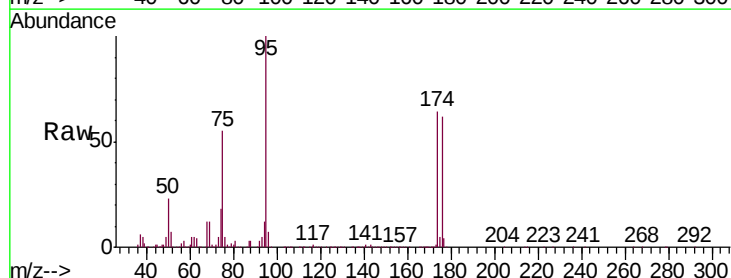
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

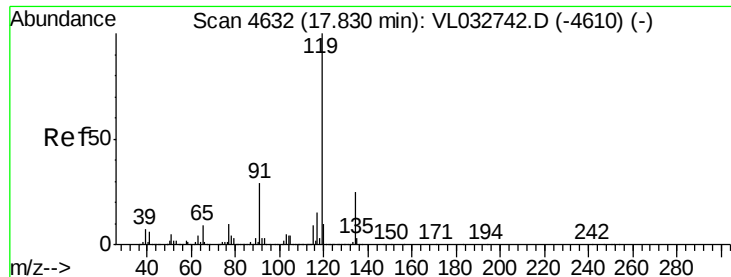
Tgt Ion: 105 Resp: 1730105
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.859 ppbv
 RT: 14.59 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

Tgt Ion: 95 Resp: 2905778
 Ion Ratio Lower Upper
 95 100
 174 64.3 50.7 76.1
 175 4.8 3.8 5.6

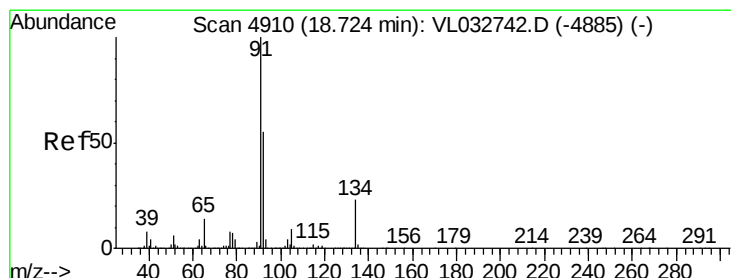
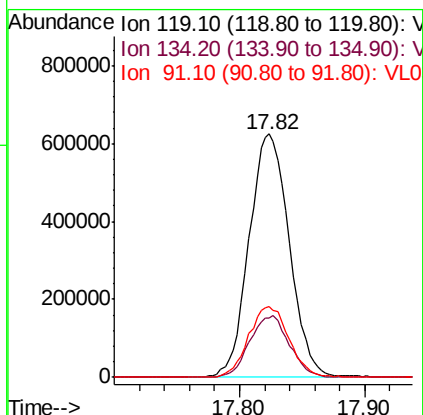
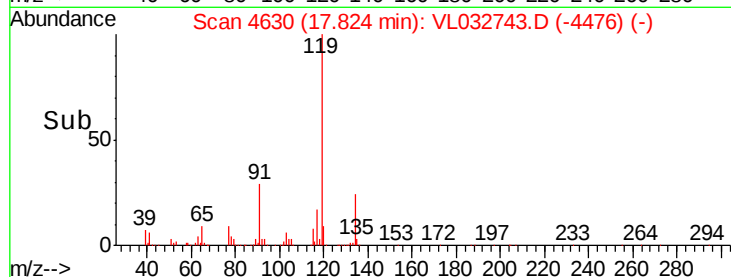
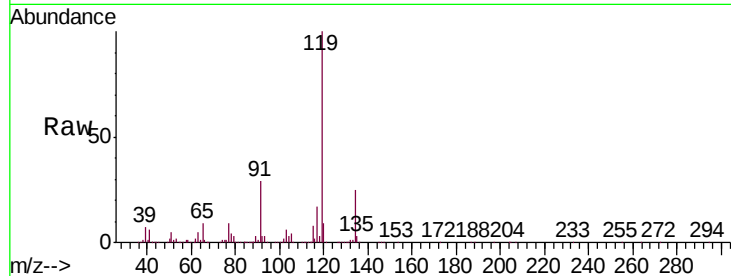




#69
p-Isopropyltoluene
Concen: 2.287 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

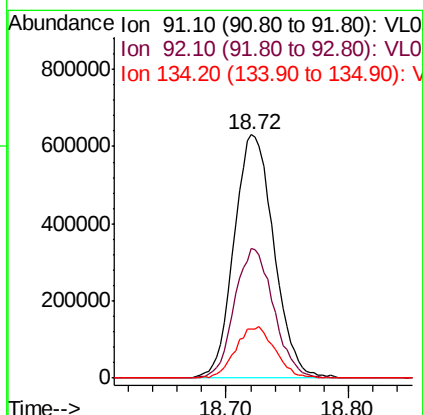
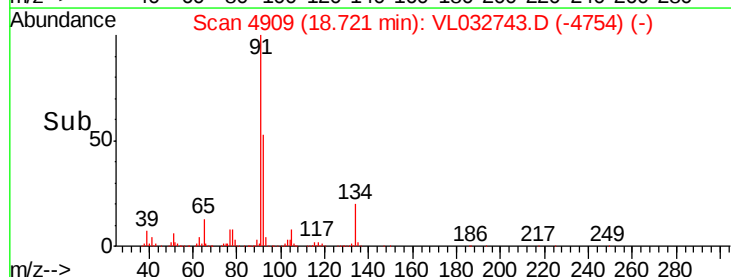
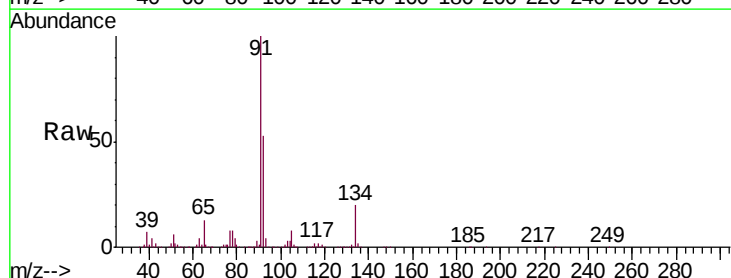
Instrument :
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ClientSampleId :
VSTDIC002

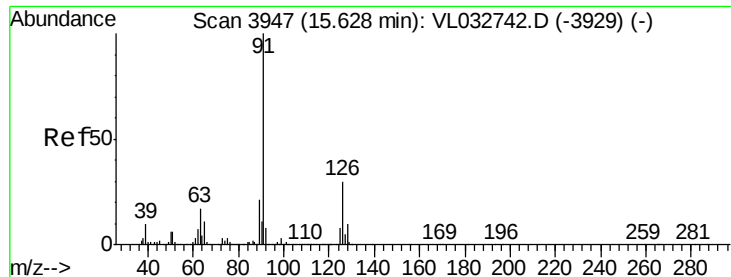
Tgt Ion: 119 Resp: 1386331
Ion Ratio Lower Upper
119 100
134 25.2 20.2 30.4
91 29.5 23.5 35.3



#70
n-Butylbenzene
Concen: 2.282 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 91 Resp: 1418650
Ion Ratio Lower Upper
91 100
92 52.7 42.9 64.3
134 20.8 17.8 26.8





#71

2-Chlorotoluene

Concen: 2.217 ppbv

RT: 15.63 min Scan# 3947

Delta R.T. 0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

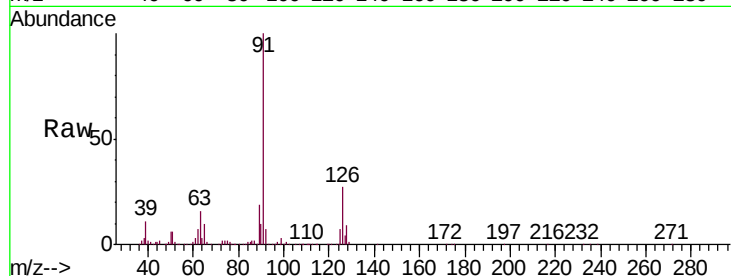
VSTDIC002

Tgt Ion: 91 Resp: 993114

Ion Ratio Lower Upper

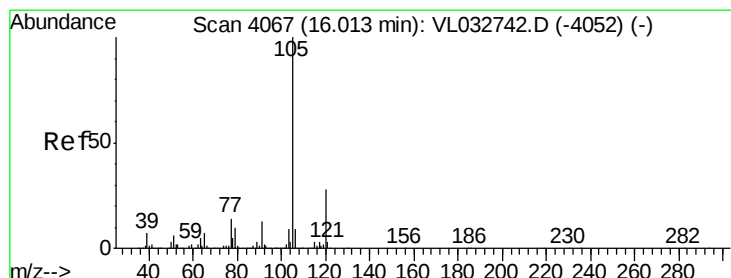
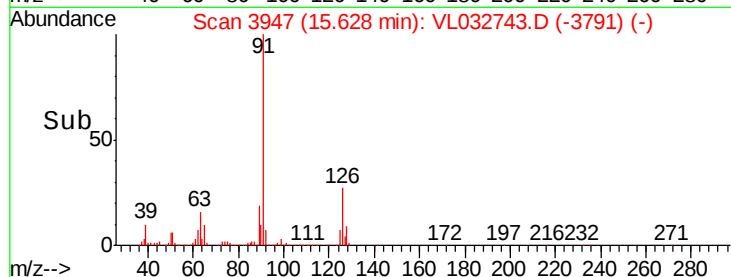
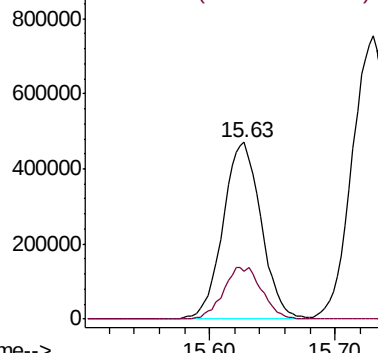
91 100

126 30.1 12.1 48.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 2.259 ppbv

RT: 16.01 min Scan# 4065

Delta R.T. -0.01 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Tgt Ion: 105 Resp: 1073806

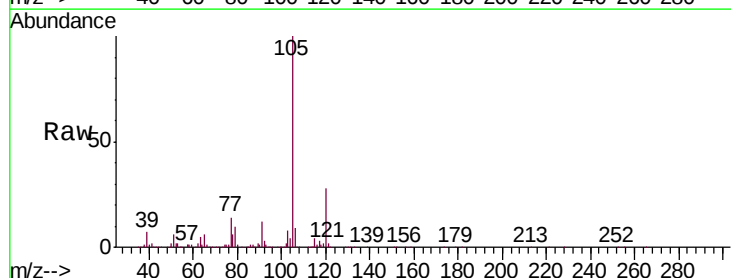
Ion Ratio Lower Upper

105 100

120 29.1 22.9 34.3

91 13.1 10.6 15.8

77 14.4 11.4 17.2

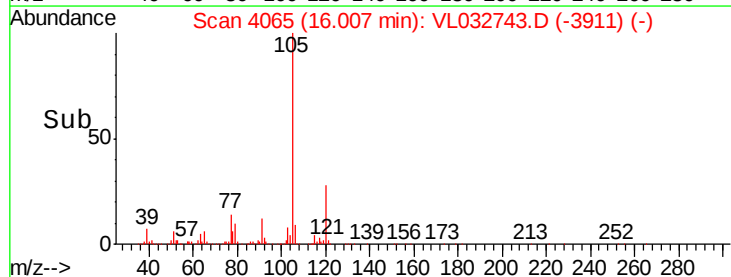
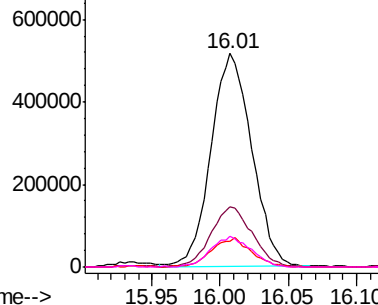


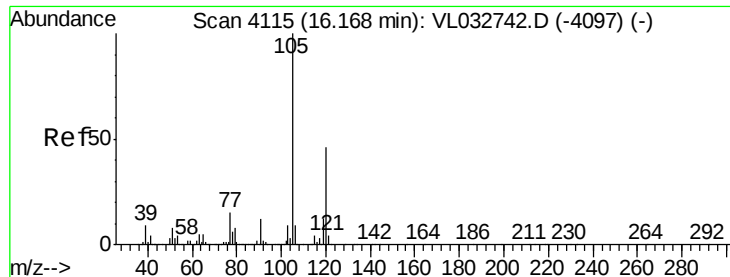
Abundance Ion 105.10 (104.80 to 105.80): V

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

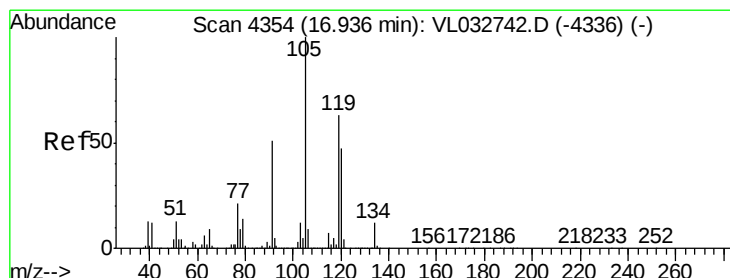
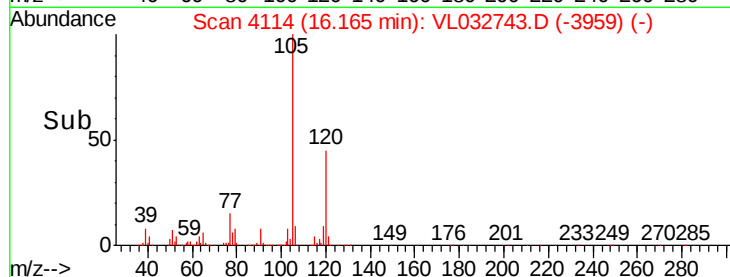
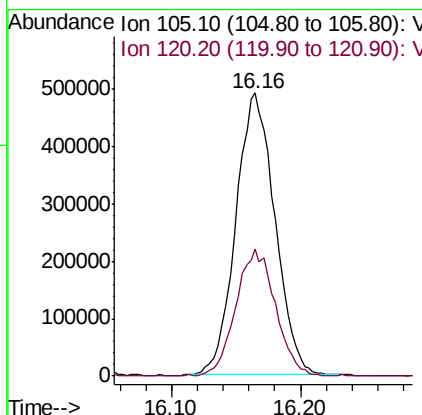
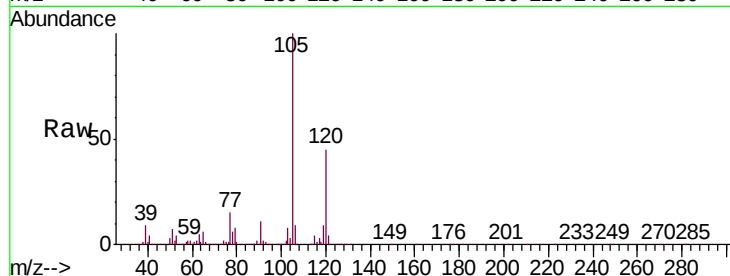




#73
 1,3,5-Trimethylbenzene
 Concen: 2.231 ppbv
 RT: 16.16 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

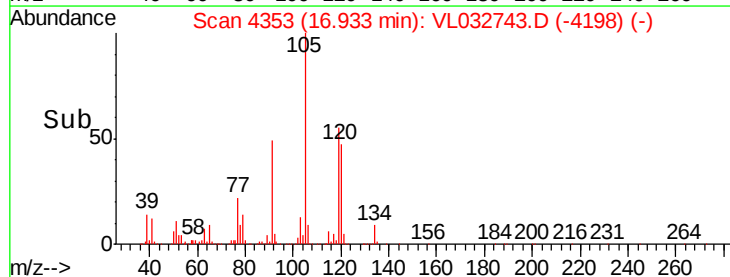
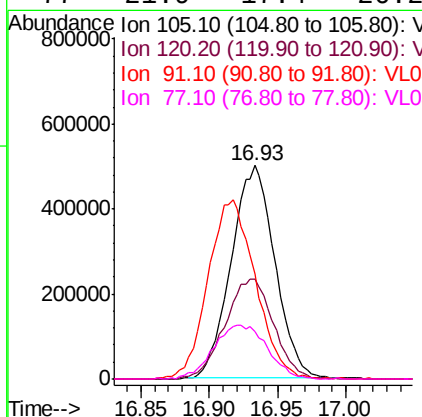
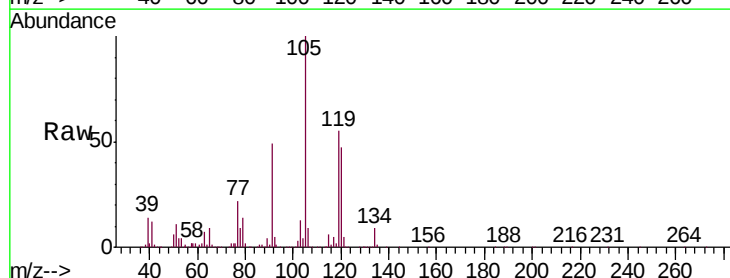
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

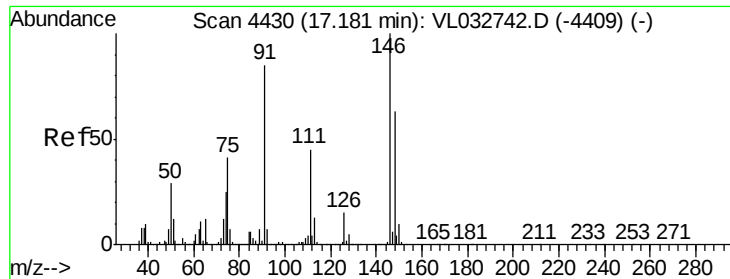
Tgt Ion:105 Resp: 1033486
 Ion Ratio Lower Upper
 105 100
 120 44.8 36.6 55.0



#74
 1,2,4-Trimethylbenzene
 Concen: 2.249 ppbv
 RT: 16.93 min Scan# 4353
 Delta R.T. -0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

Tgt Ion:105 Resp: 1111320
 Ion Ratio Lower Upper
 105 100
 120 46.6 37.6 56.4
 91 48.6 42.5 63.7
 77 21.9 17.4 26.2

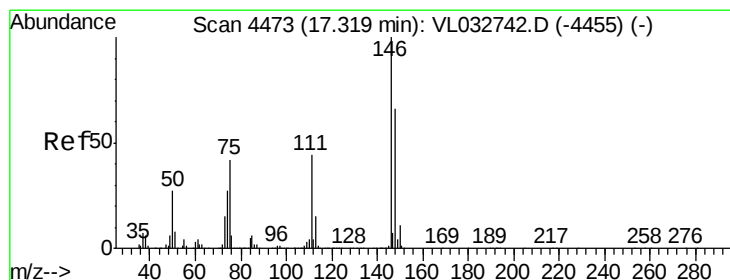
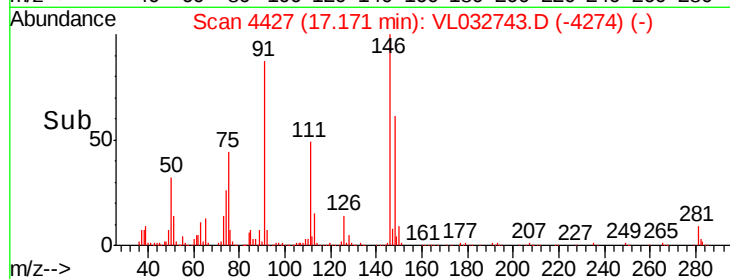
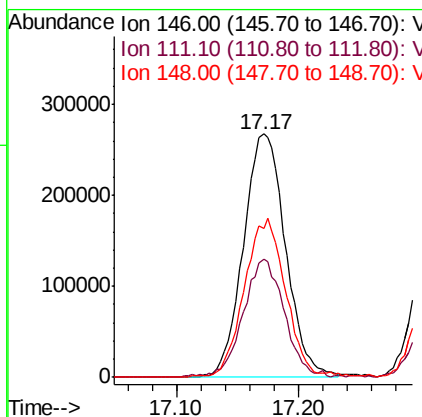
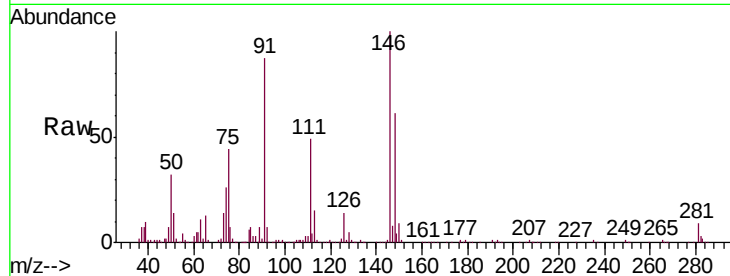




#75
 1,3-Dichlorobenzene
 Concen: 2.240 ppbv
 RT: 17.17 min Scan# 4427
 Delta R.T. -0.01 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

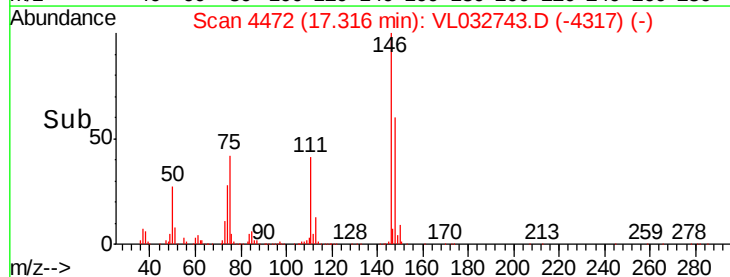
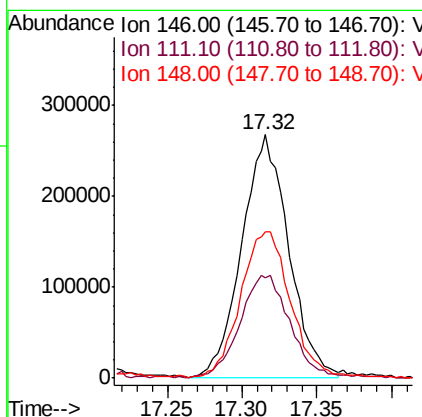
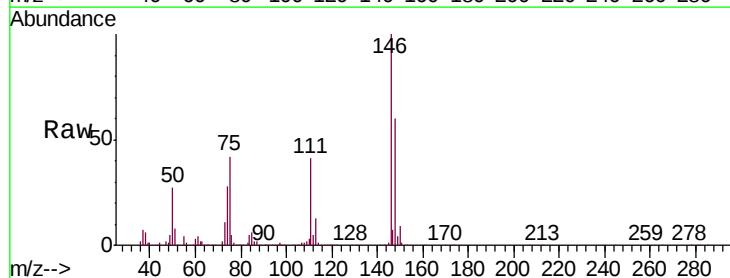
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

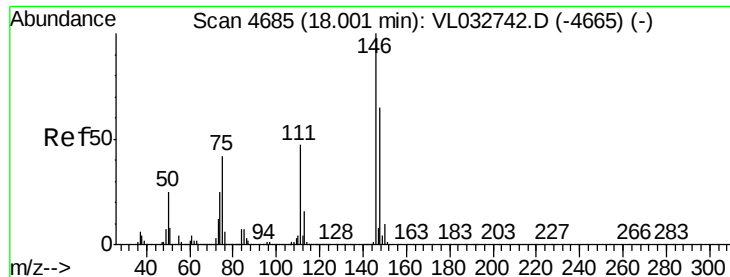
Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.7	23.5	70.6
148	64.8	31.8	95.3



#76
 1,4-Dichlorobenzene
 Concen: 2.208 ppbv
 RT: 17.32 min Scan# 4472
 Delta R.T. -0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.5	67.5
148	64.5	32.5	97.5

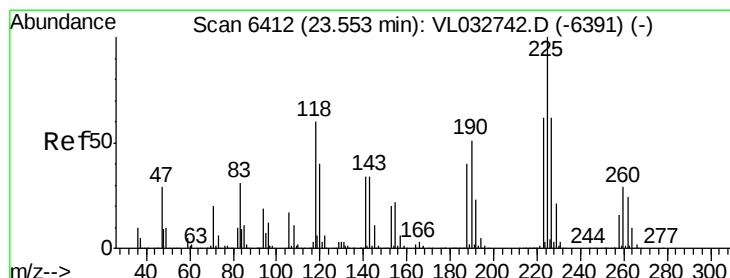
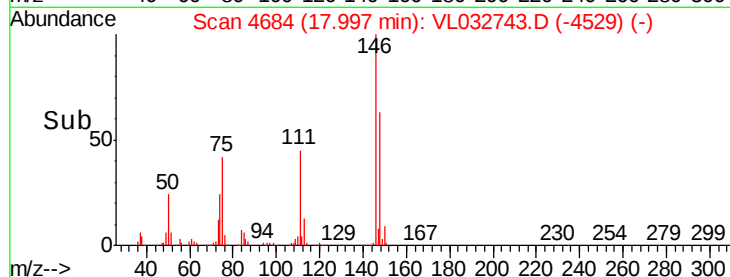
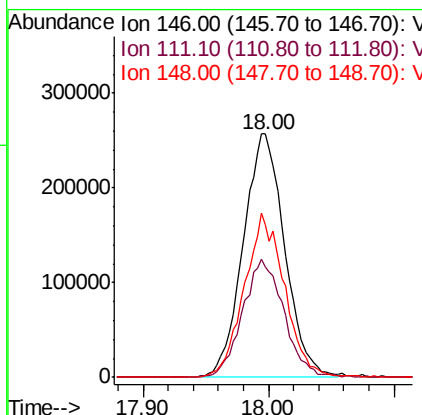
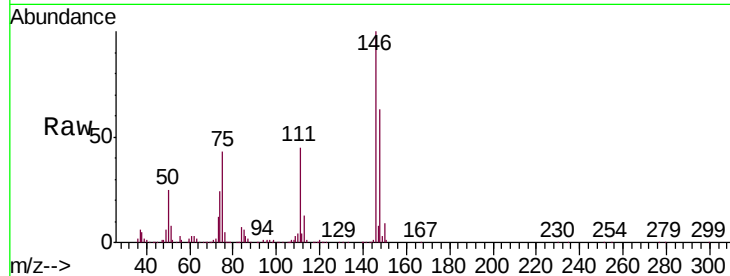




#77
 1,2-Dichlorobenzene
 Concen: 2.201 ppbv
 RT: 18.00 min Scan# 4684
 Delta R.T. -0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

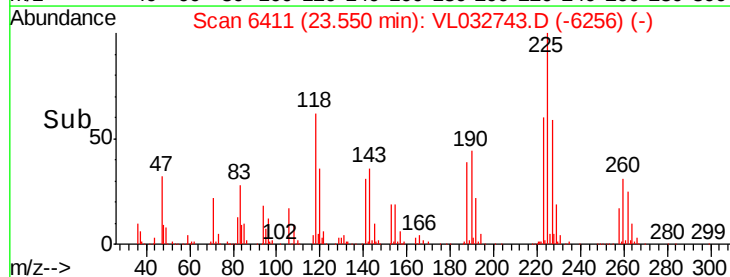
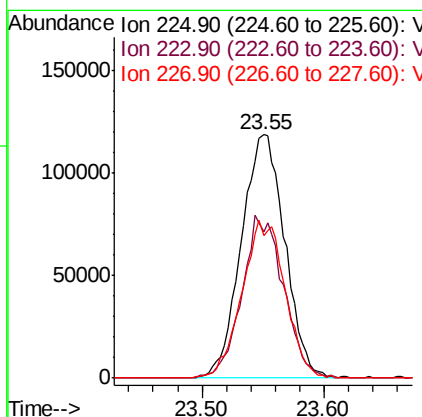
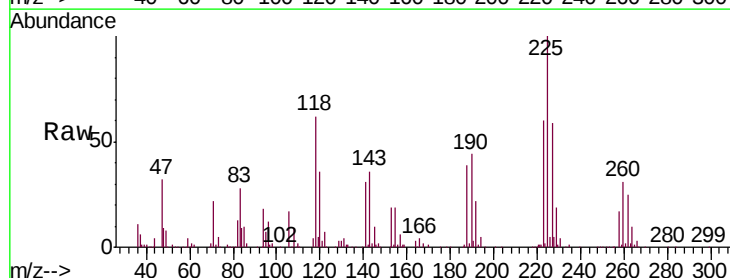
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

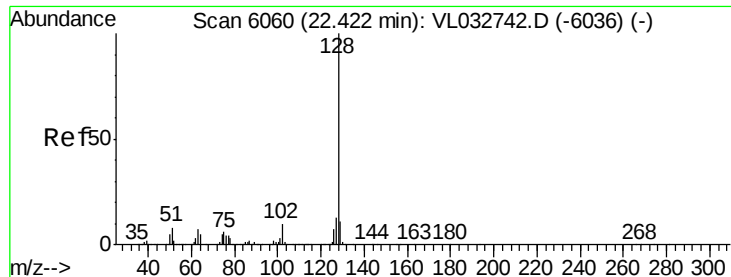
Tgt Ion:146 Resp: 590953
 Ion Ratio Lower Upper
 146 100
 111 48.7 24.4 73.2
 148 65.7 32.2 96.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.144 ppbv
 RT: 23.55 min Scan# 6411
 Delta R.T. -0.00 min
 Lab File: VL032743.D
 Acq: 14 Nov 2018 3:08

Tgt Ion:225 Resp: 291677
 Ion Ratio Lower Upper
 225 100
 223 63.8 50.3 75.5
 227 64.2 50.2 75.4

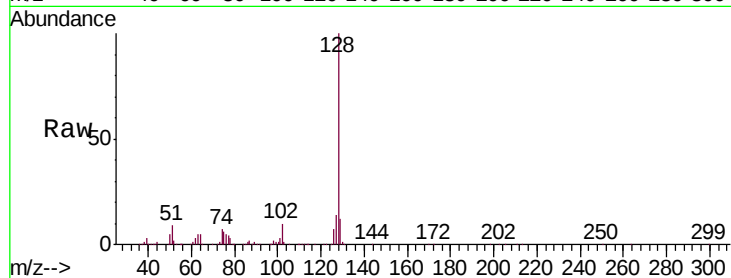




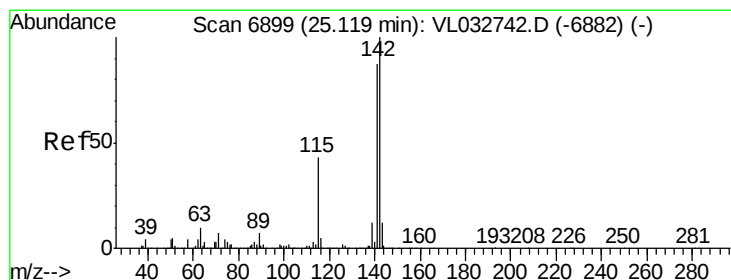
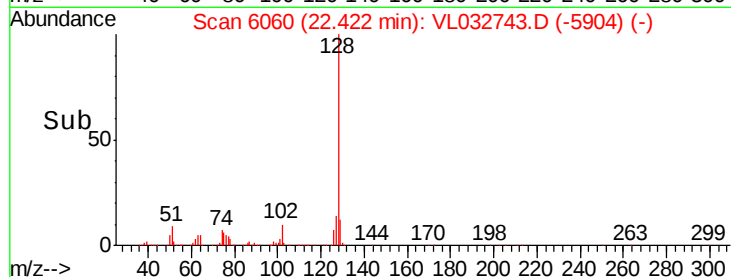
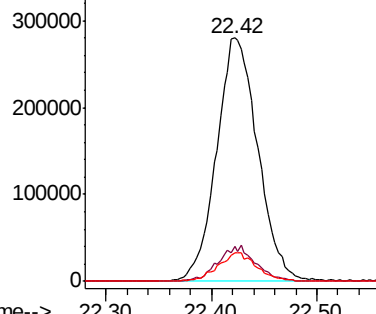
#79
Naphthalene
Concen: 2.447 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:128 Resp: 760406
Ion Ratio Lower Upper
128 100
127 14.5 10.1 15.1
129 11.6 8.9 13.3

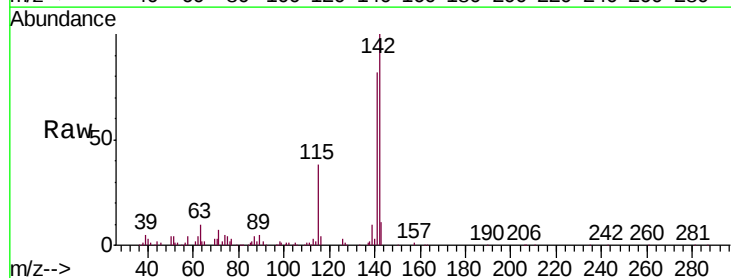


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

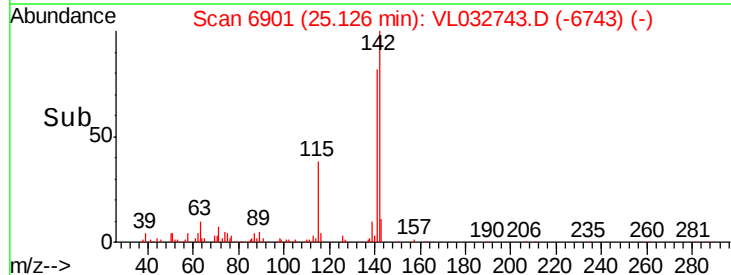
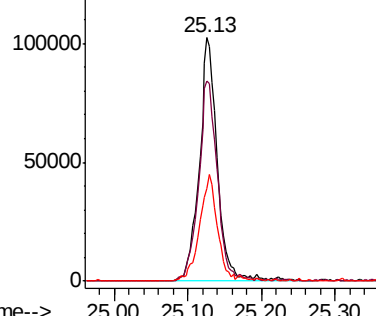


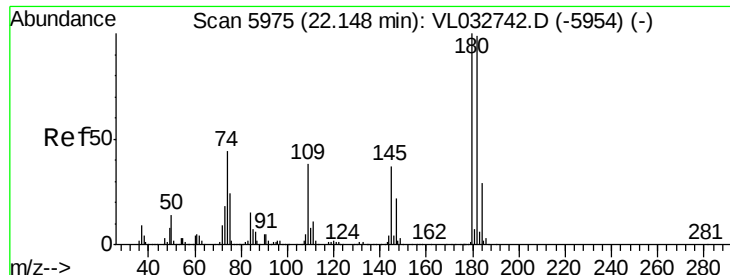
#80
Naphthalene, 2-methyl-
Concen: 2.329 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. 0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:142 Resp: 173249
Ion Ratio Lower Upper
142 100
141 86.5 68.7 103.1
115 44.6 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: 2.304 ppbv

RT: 22.15 min Scan# 5976

Delta R.T. 0.00 min

Lab File: VL032743.D

Acq: 14 Nov 2018 3:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

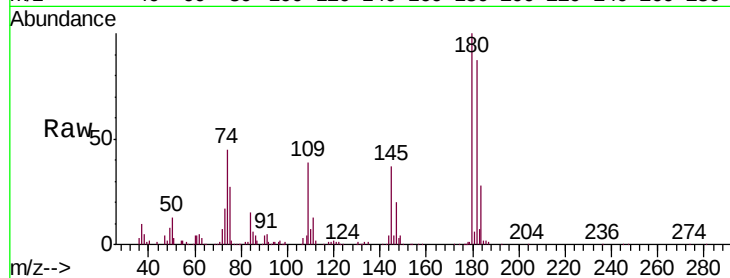
Tgt Ion:180 Resp: 366206

Ion Ratio Lower Upper

180 100

182 95.7 77.3 115.9

184 30.2 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

