

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100318\
 Data File : VL032594.D
 Acq On : 4 Oct 2018 9:32
 Operator : SY/AP
 Sample : OC092418 CAN 10288
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 04 09:57:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018
 QLast Update : Mon Oct 01 06:49:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1118403	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.31	114	2563353	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	2722152	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	1955962	9.53	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.09	85	11333	0.110	ppbv 95
3) Chlorodifluoromethane	3.03	51	1040750	11.190	ppbv 94
4) Chloromethane	3.19	50	6927	0.128	ppbv 97
5) Vinyl Chloride	3.31	62	8692	0.159	ppbv # 74
6) Bromomethane	3.53	94	949	0.032	ppbv # 26
7) Chloroethane	3.62	64	1278	0.065	ppbv # 82
8) Dichlorotetrafluoroethane	3.23	85	21471	0.190	ppbv 89
9) Propene	3.06	41	9259	0.229	ppbv # 75
11) Trichlorofluoromethane	4.02	101	14910	0.121	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	10976	0.109	ppbv 97
13) Ethanol	3.68	45	4671	0.385	ppbv # 39
14) Bromoethene	3.80	108	2675	0.075	ppbv # 58
15) Acetone	3.93	43	104612	1.066	ppbv 98
16) 1,3-Butadiene	3.39	39	2369	0.060	ppbv # 1
18) 1,1-Dichloroethene	4.37	96	4231	0.090	ppbv # 42
20) Methylene Chloride	4.43	84	16616	0.350	ppbv 97
21) Allyl Chloride	4.50	41	2595	0.032	ppbv # 1
22) trans-1,2-Dichloroethene	4.98	96	4092	0.092	ppbv # 78
23) Vinyl Acetate	5.17	43	10085	0.058	ppbv # 72
24) 1,1-Dichloroethane	5.11	63	4365	0.030	ppbv # 87
25) Ethyl Acetate	5.80	43	24649	0.103	ppbv 99
26) Hexane	5.79	57	5823	0.054	ppbv # 1
27) Carbon Disulfide	4.64	76	11503	0.099	ppbv # 67
29) Chloroform	5.87	83	21125	0.128	ppbv # 78
32) 1,1,1-Trichloroethane	6.64	97	15290	0.087	ppbv # 84
34) 2-Butanone	5.36	43	7628	0.050	ppbv # 54
35) Carbon Tetrachloride	7.16	117	7148	0.040	ppbv # 67
36) Benzene	7.03	78	9383	0.045	ppbv # 82
37) 1,2-Dichloroethane	6.43	62	9712	0.078	ppbv # 85
39) 1,2-Dichloropropane	7.31	63	690899	7.401	ppbv # 25
42) Bromodichloromethane	7.94	83	20987	0.112	ppbv # 97
47) 1,1,2-Trichloroethane	9.63	97	3131	0.030	ppbv # 60
49) Bromoform	13.22	173	3962	0.032	ppbv # 27
50) 4-Methyl-2-Pentanone	8.92	43	7345	0.031	ppbv # 39
56) 1,1,1,2-Tetrachloroethane	12.31	131	4183	0.034	ppbv # 1
58) Ethyl Benzene	12.88	91	12445	0.038	ppbv 97
63) 1,1,2,2-Tetrachloroethane	13.86	83	11173	0.044	ppbv # 23
66) Benzyl Chloride	17.18	91	12795	0.064	ppbv # 68
74) 1,2,4-Trimethylbenzene	16.94	105	10424	0.032	ppbv # 67
80) Naphthalene,2-methyl-	25.12	142	1769	0.032	ppbv # 72

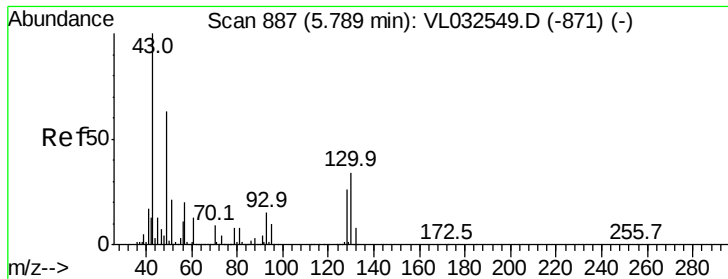
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100318\
Data File : VL032594.D
Acq On : 4 Oct 2018 9:32
Operator : SY/AP
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Instrument :
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ClientSampleId :

Quant Time: Oct 04 09:57:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.03 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Instrument :

MSVOA_L

ClientSampleId :

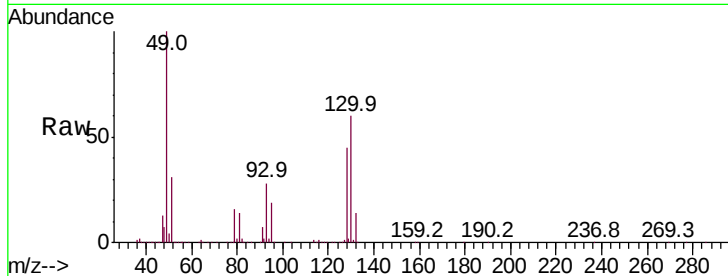
Tot Ion: 49 Resp: 1118403

Ion Ratio Lower Upper

49 100

128 46.7 20.7 62.1

130 59.8 26.6 79.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

800000

600000

400000

200000

0

5.78

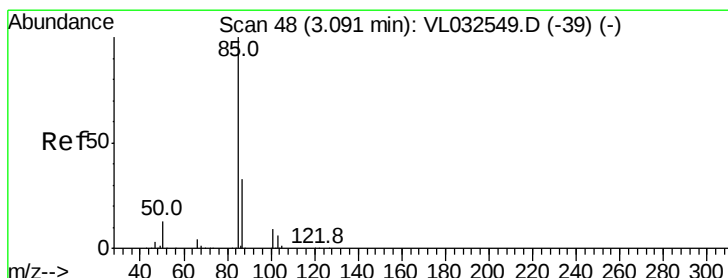
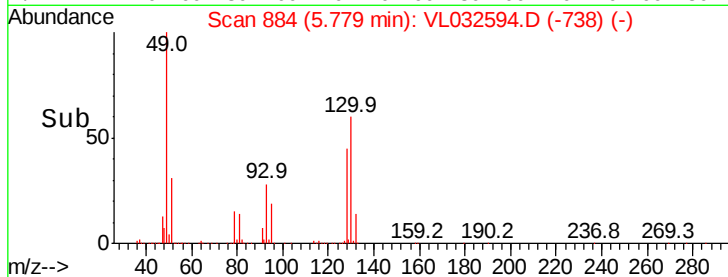
5.70

5.75

5.80

5.85

Time-->



#2

Dichlorodifluoromethane

Concen: 0.110 ppbv

RT: 3.09 min Scan# 47

Delta R.T. -0.02 min

Lab File: VL032594.D

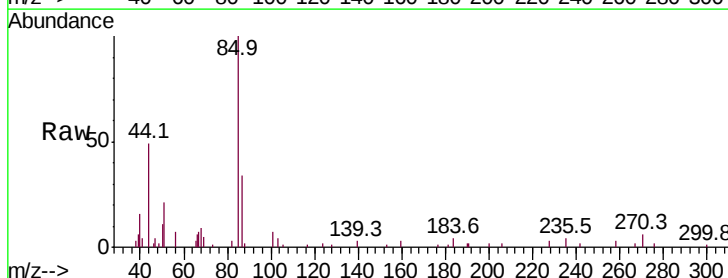
Acq: 4 Oct 2018 9:32

Tgt Ion: 85 Resp: 11333

Ion Ratio Lower Upper

85 100

87 35.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

12000

10000

8000

6000

4000

2000

0

3.09

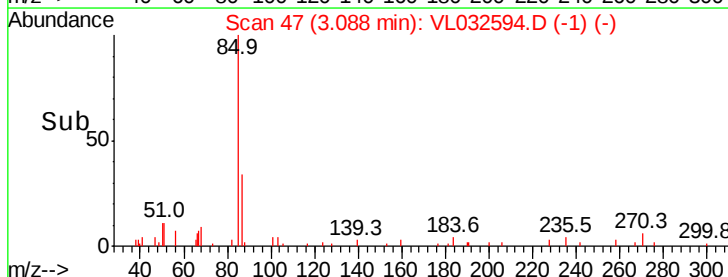
3.06

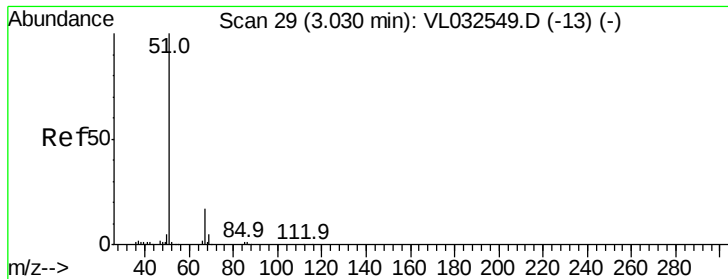
3.08

3.10

3.12

Time-->





#3

Chlorodifluoromethane

Concen: 11.190 ppbv

RT: 3.03 min Scan# 28

Delta R.T. -0.02 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Instrument :

MSVOA_L

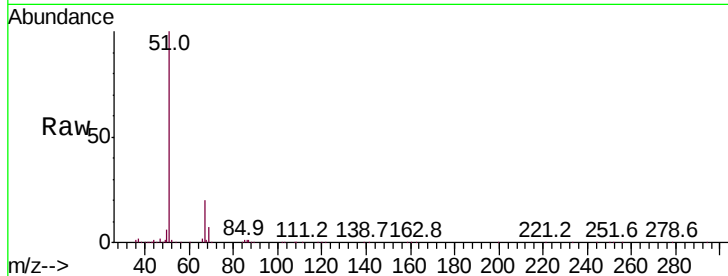
ClientSampleId :

Tot Ion: 51 Resp: 1040750

Ion Ratio Lower Upper

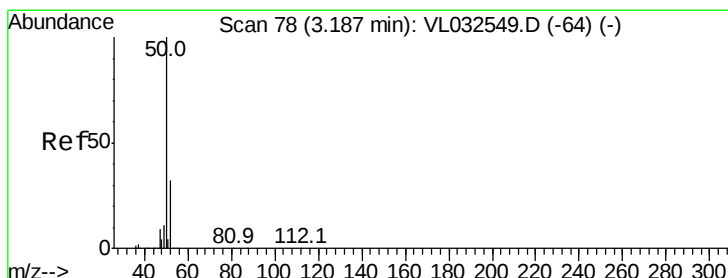
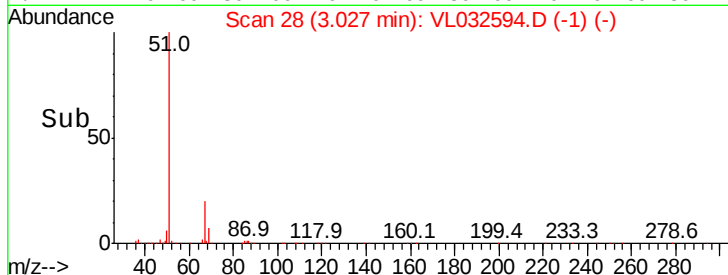
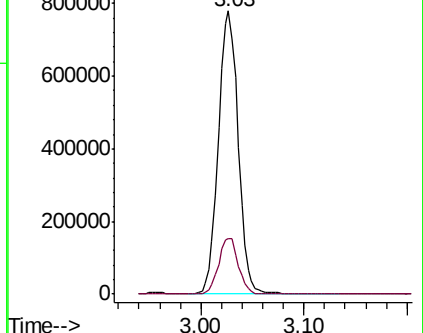
51 100

67 19.7 13.8 20.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.128 ppbv

RT: 3.19 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL032594.D

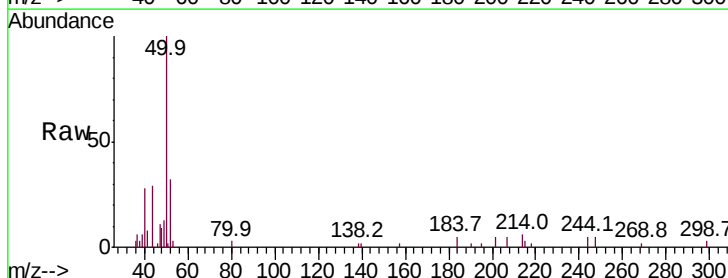
Acq: 4 Oct 2018 9:32

Tgt Ion: 50 Resp: 6927

Ion Ratio Lower Upper

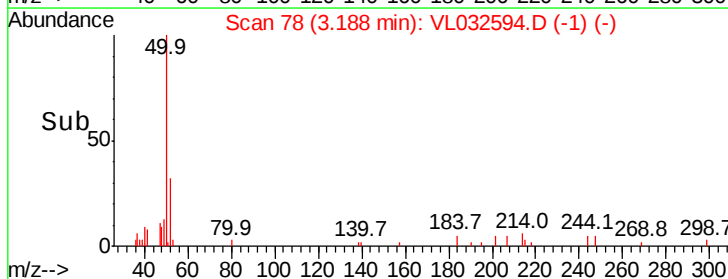
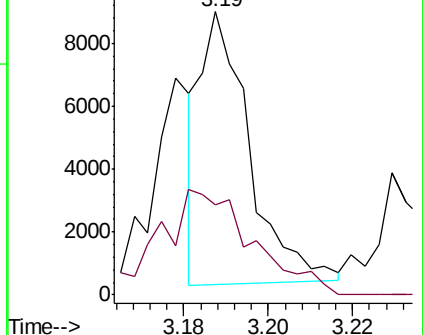
50 100

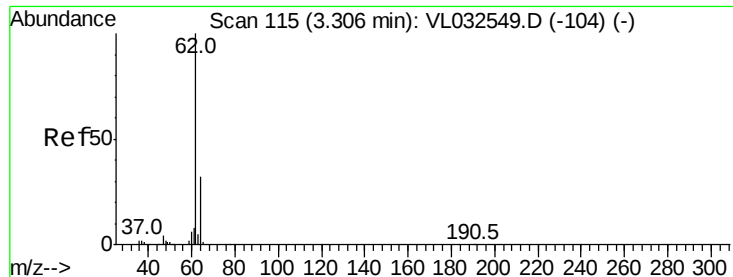
52 33.6 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.159 ppbv

RT: 3.31 min Scan# 115

Delta R.T. -0.02 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Instrument :

MSVOA_L

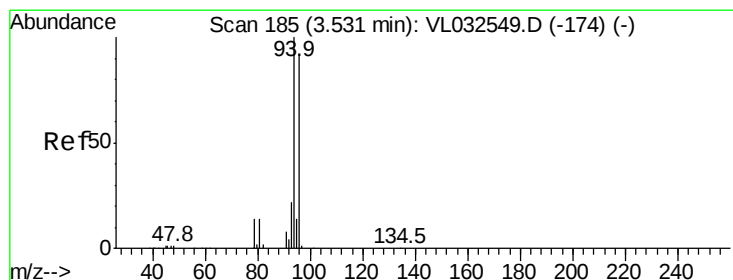
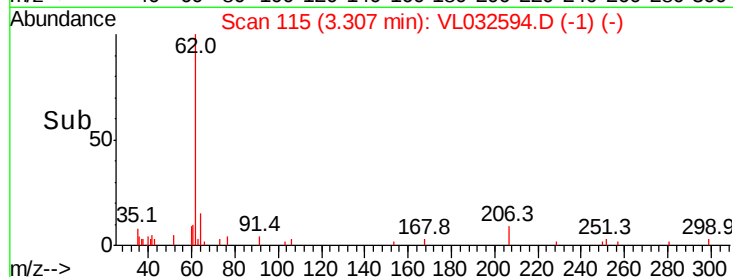
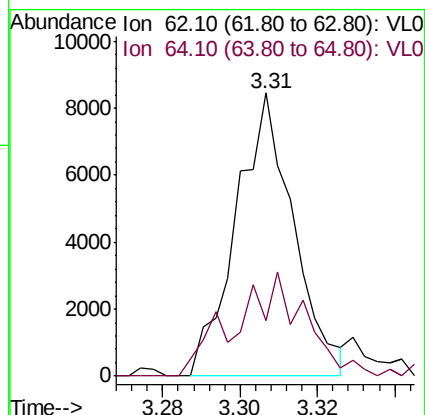
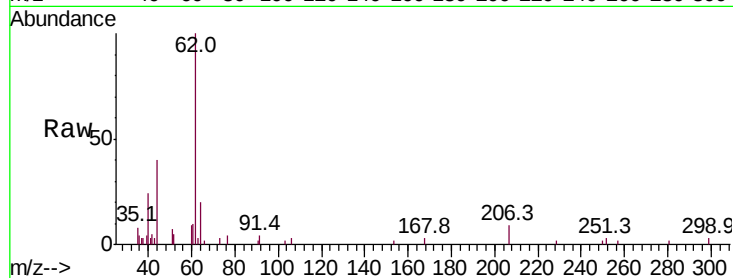
ClientSampleId :

Tot Ion: 62 Resp: 8692

Ion Ratio Lower Upper

62 100

64 16.7 25.0 37.6#



#6

Bromomethane

Concen: 0.032 ppbv

RT: 3.53 min Scan# 184

Delta R.T. -0.02 min

Lab File: VL032594.D

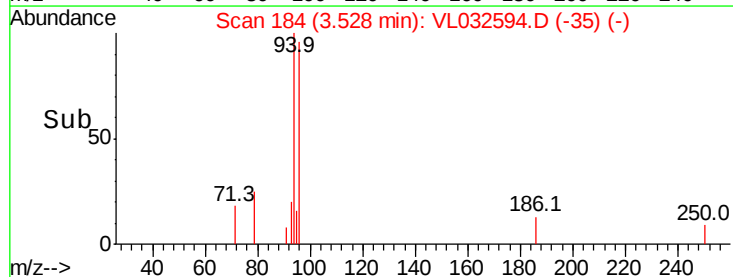
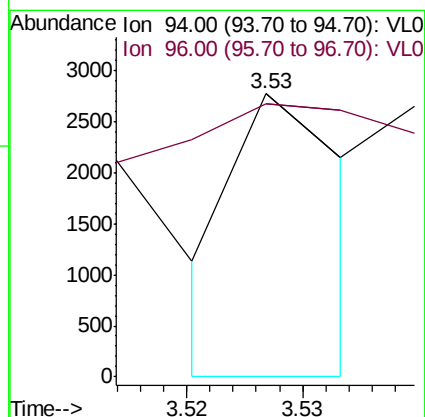
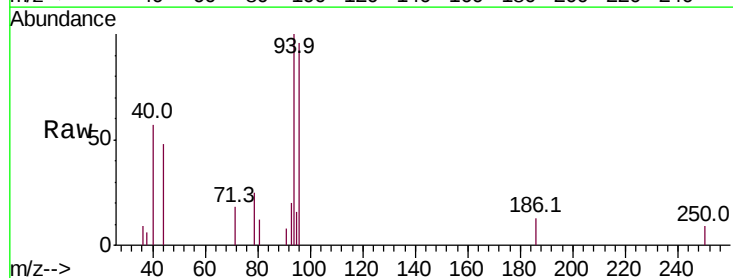
Acq: 4 Oct 2018 9:32

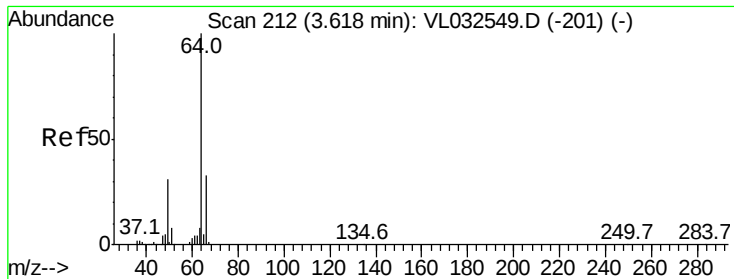
Tgt Ion: 94 Resp: 949

Ion Ratio Lower Upper

94 100

96 20.9 72.8 109.2#





#7

Chloroethane

Concen: 0.065 ppbv

RT: 3.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Instrument :

MSVOA_L

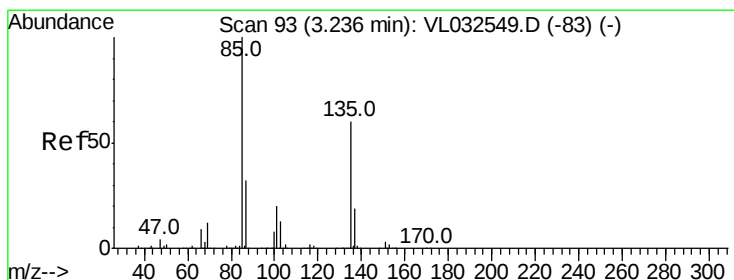
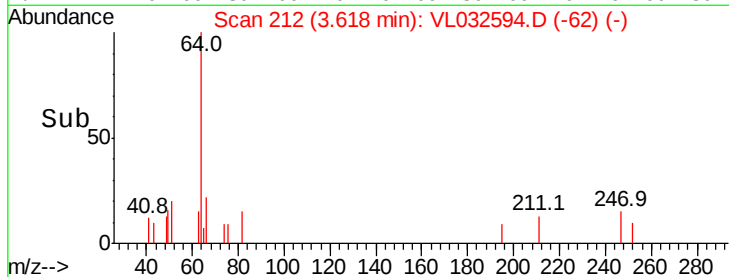
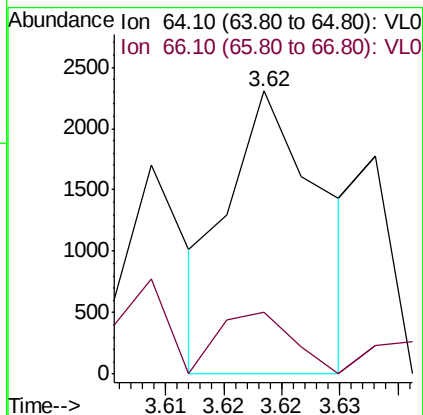
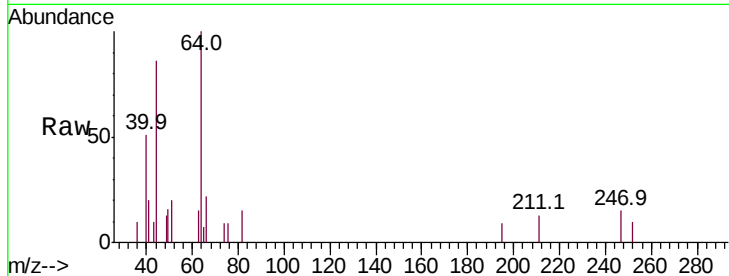
ClientSampleId :

Tot Ion: 64 Resp: 1278

Ion Ratio Lower Upper

64 100

66 21.9 25.8 38.6#



#8

Dichlorotetrafluoroethane

Concen: 0.190 ppbv

RT: 3.23 min Scan# 92

Delta R.T. -0.02 min

Lab File: VL032594.D

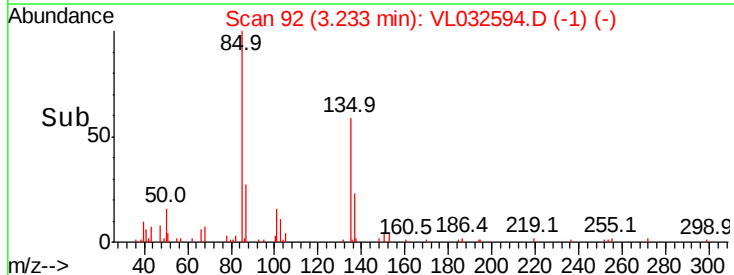
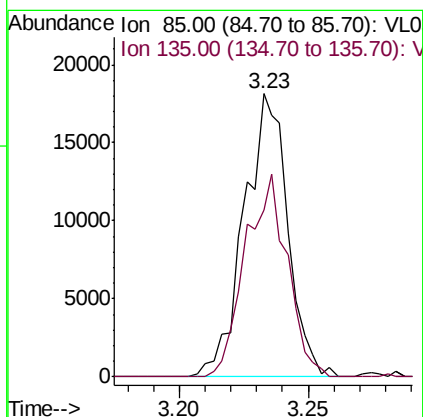
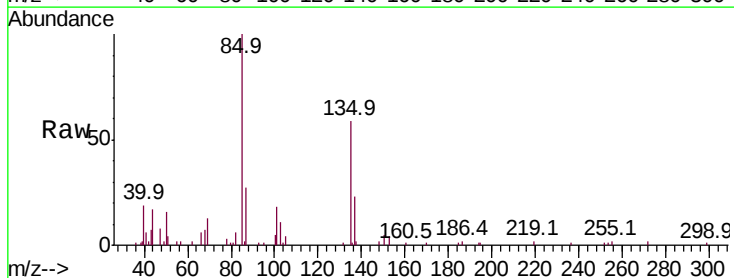
Acq: 4 Oct 2018 9:32

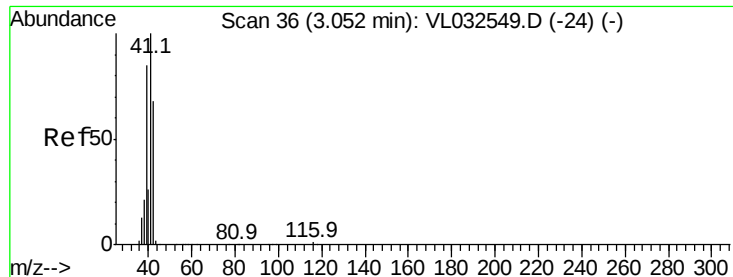
Tgt Ion: 85 Resp: 21471

Ion Ratio Lower Upper

85 100

135 68.9 48.6 72.8





#9

Propene

Concen: 0.229 ppbv

RT: 3.06 min Scan# 37

Delta R.T. -0.01 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Instrument :

MSVOA_L

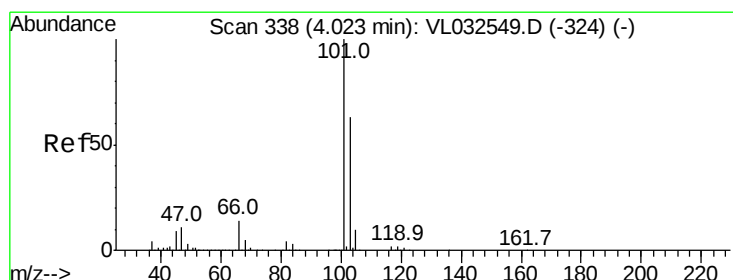
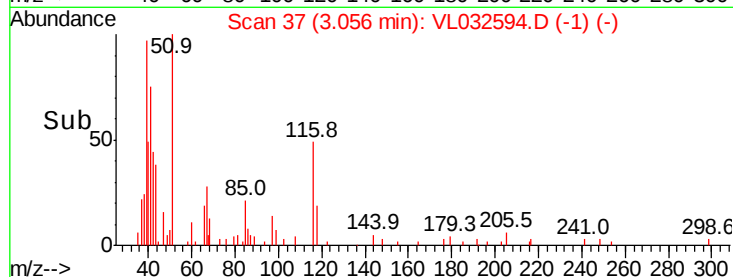
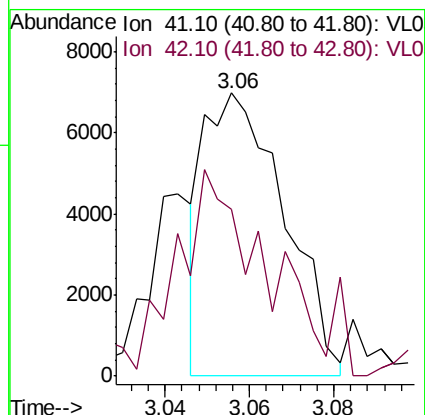
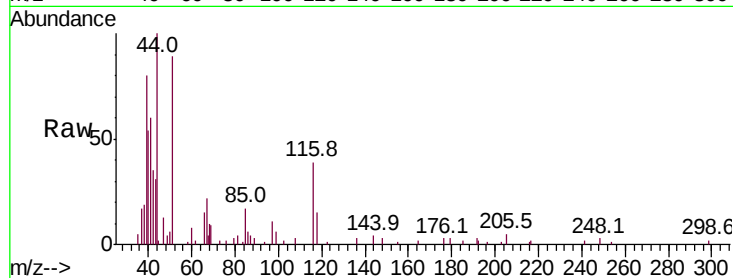
ClientSampleId :

Tot Ion: 41 Resp: 9259

Ion Ratio Lower Upper

41 100

42 91.0 56.6 84.8#



#11

Trichlorofluoromethane

Concen: 0.121 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.02 min

Lab File: VL032594.D

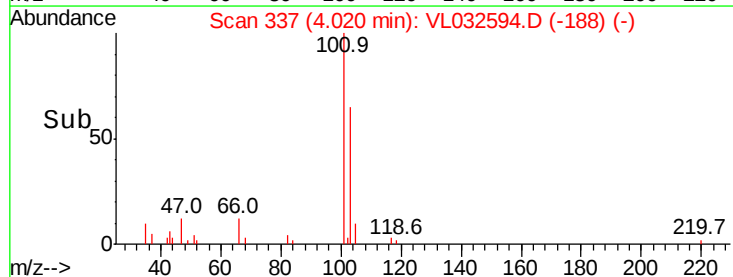
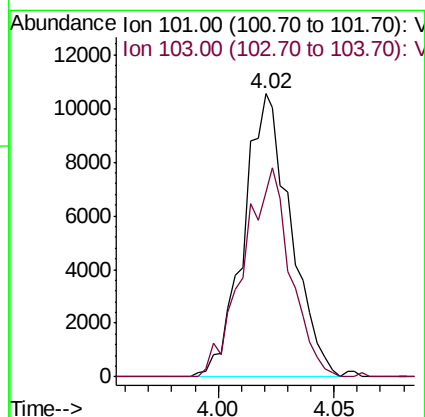
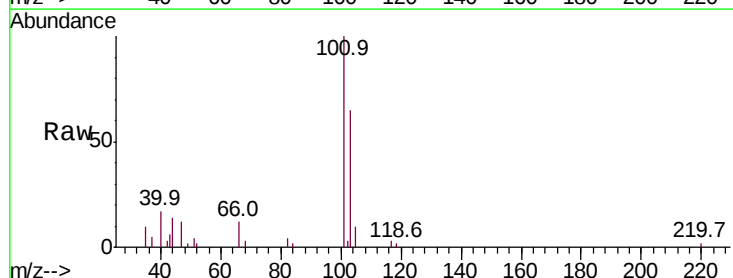
Acq: 4 Oct 2018 9:32

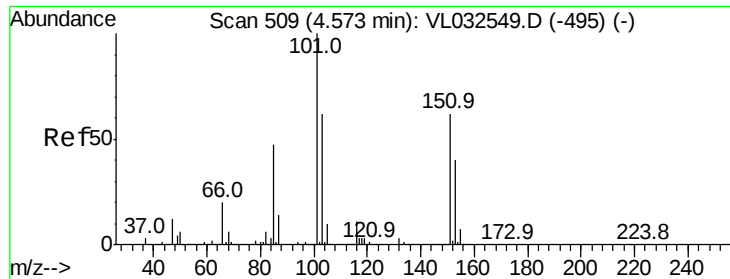
Tgt Ion: 101 Resp: 14910

Ion Ratio Lower Upper

101 100

103 65.1 52.8 79.2





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.109 ppbv

RT: 4.57 min Scan# 509

Delta R.T. -0.02 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Instrument :

MSVOA_L

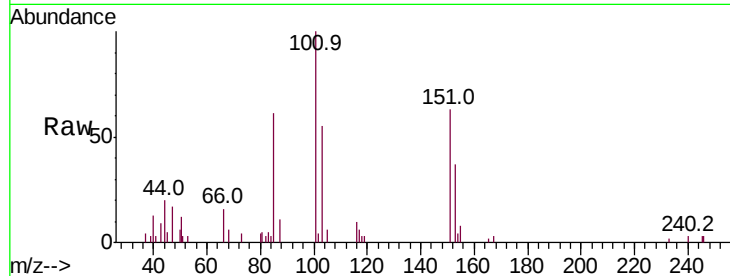
ClientSampleId :

Tot Ion:101 Resp: 10976

Ion Ratio Lower Upper

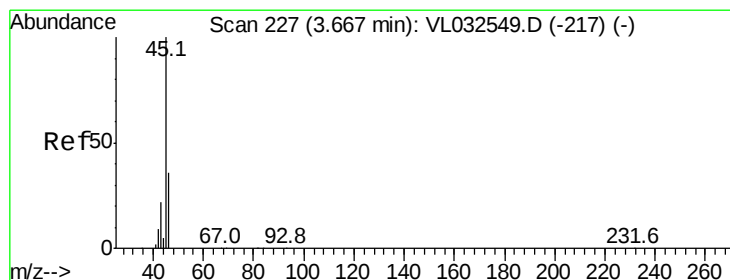
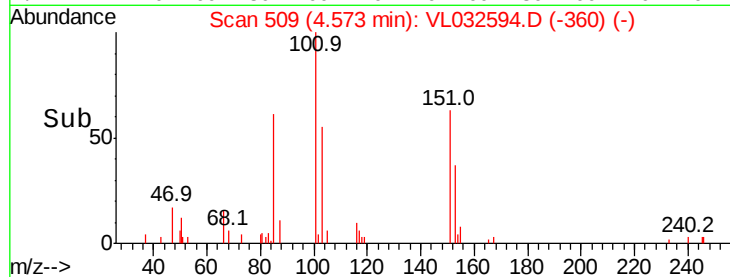
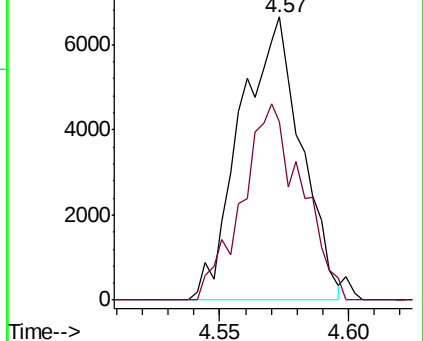
101 100

151 68.0 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 0.385 ppbv

RT: 3.68 min Scan# 230

Delta R.T. -0.01 min

Lab File: VL032594.D

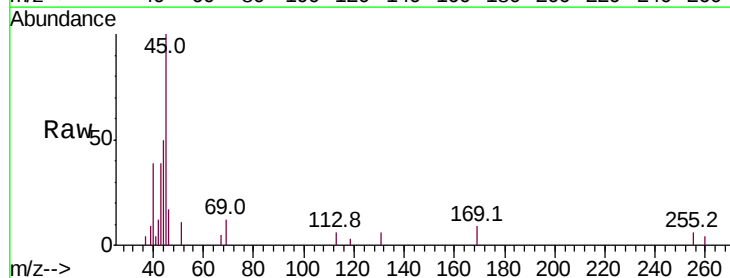
Acq: 4 Oct 2018 9:32

Tgt Ion: 45 Resp: 4671

Ion Ratio Lower Upper

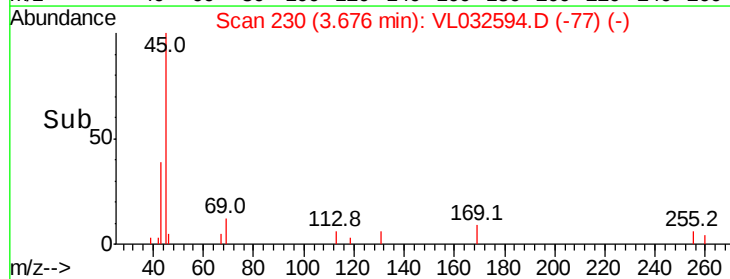
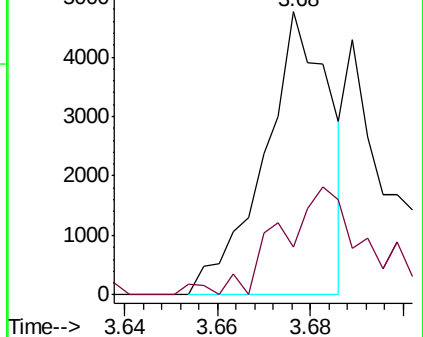
45 100

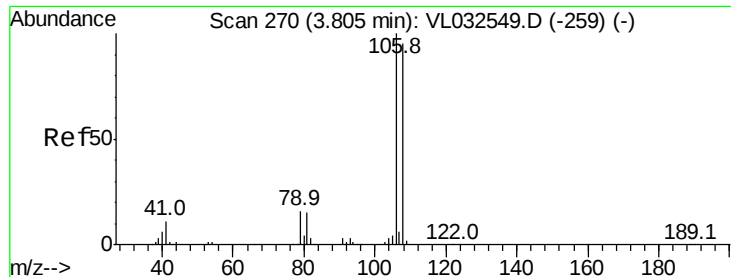
46 0.0 14.2 56.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#14

Bromoethene

Concen: 0.075 ppbv

RT: 3.80 min Scan# 270

Delta R.T. -0.02 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Instrument :

MSVOA_L

ClientSampled :

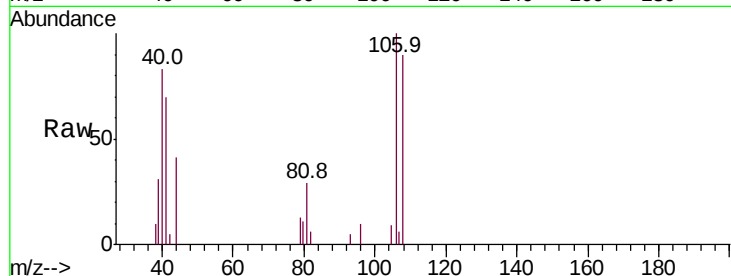
Tot Ion:108 Resp: 2675

Ion Ratio Lower Upper

108 100

106 145.3 85.5 128.3#

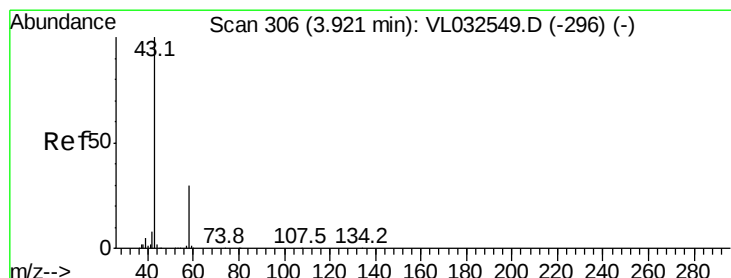
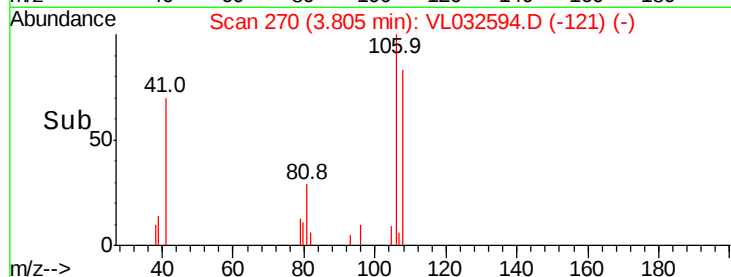
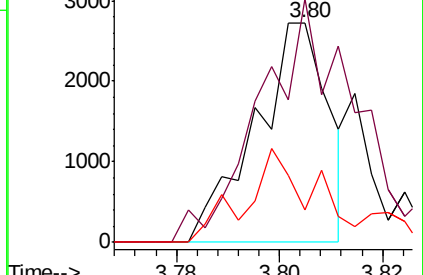
79 48.9 13.0 19.6#



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VLO



#15

Acetone

Concen: 1.066 ppbv

RT: 3.93 min Scan# 309

Delta R.T. -0.01 min

Lab File: VL032594.D

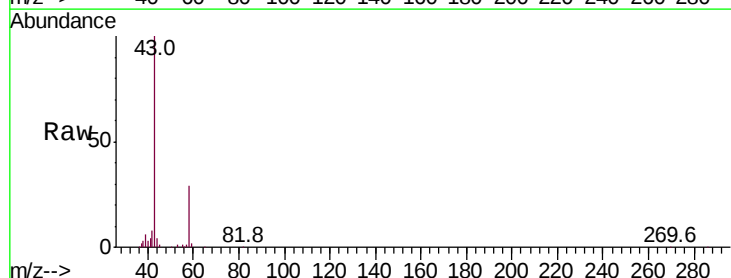
Acq: 4 Oct 2018 9:32

Tgt Ion: 43 Resp: 104612

Ion Ratio Lower Upper

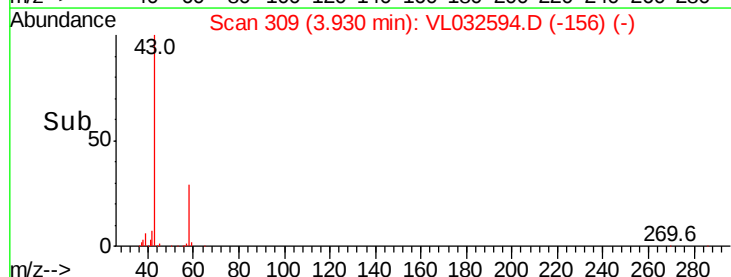
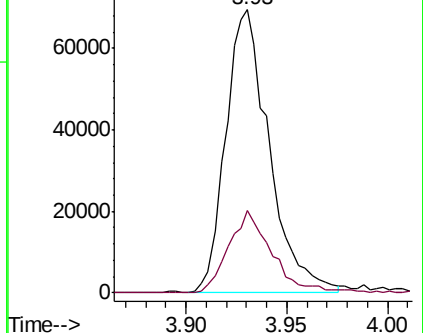
43 100

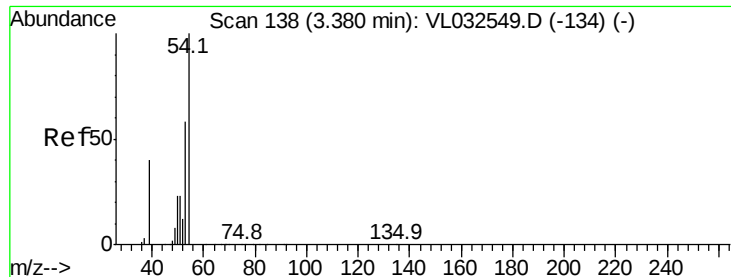
58 29.3 22.6 33.8



Abundance Ion 43.10 (42.80 to 43.80): VLO

Ion 58.10 (57.80 to 58.80): VLO





#16

1,3-Butadiene

Concen: 0.060 ppbv

RT: 3.39 min Scan# 140

Delta R.T. -0.01 min

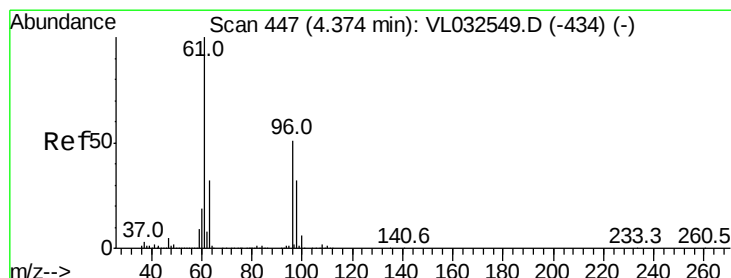
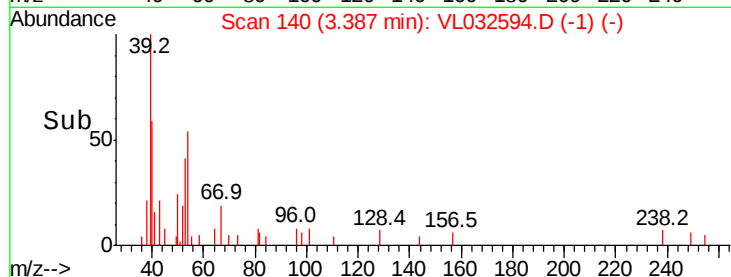
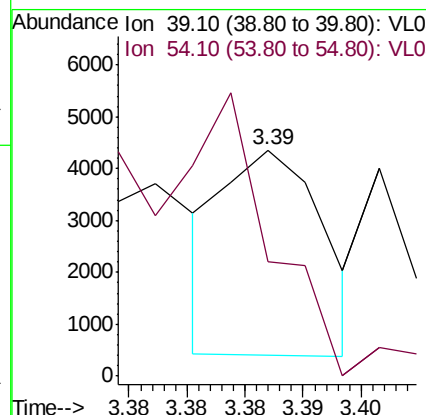
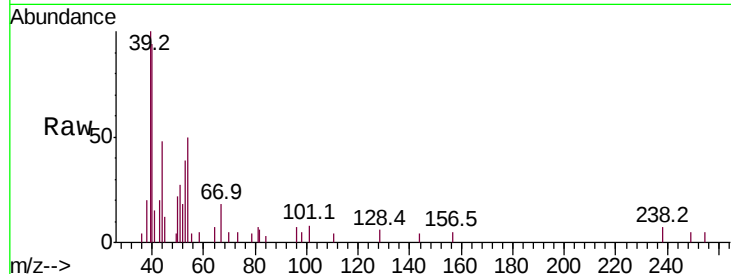
Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 39 Resp: 2369

Ion	Ratio	Lower	Upper
39	100		
54	264.9	80.8	121.2#



#18

1,1-Dichloroethene

Concen: 0.090 ppbv

RT: 4.37 min Scan# 447

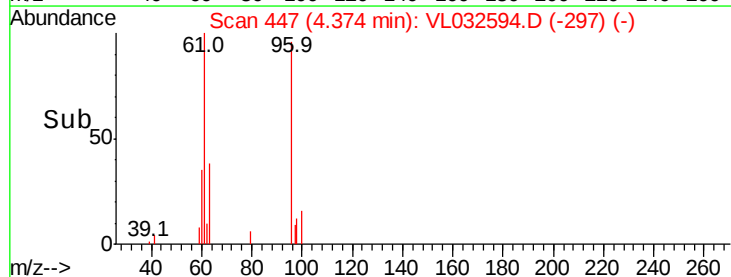
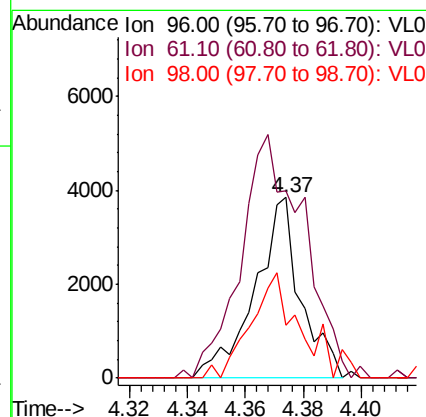
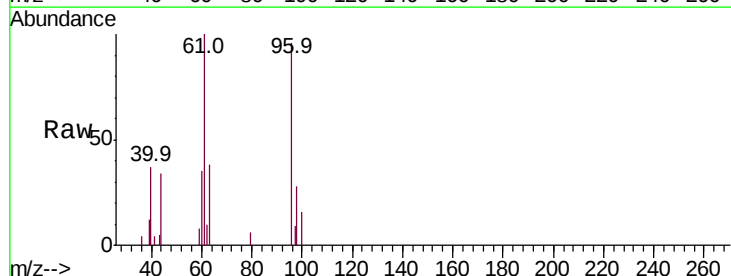
Delta R.T. -0.02 min

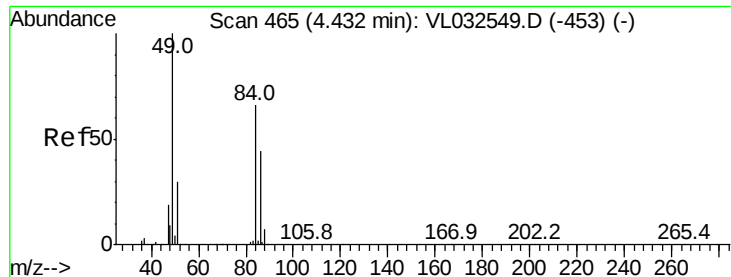
Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Tgt Ion: 96 Resp: 4231

Ion	Ratio	Lower	Upper
96	100		
61	104.0	159.2	238.8#
98	29.3	51.0	76.4#

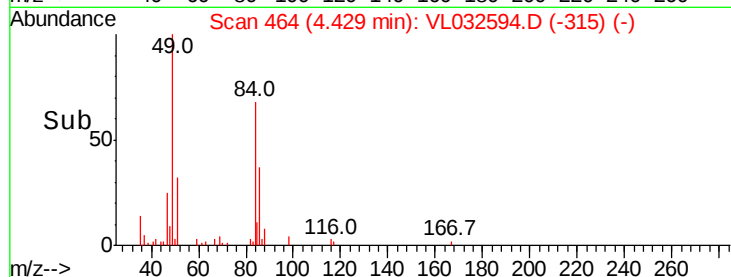
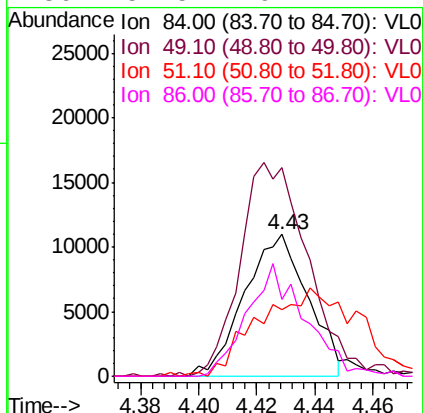
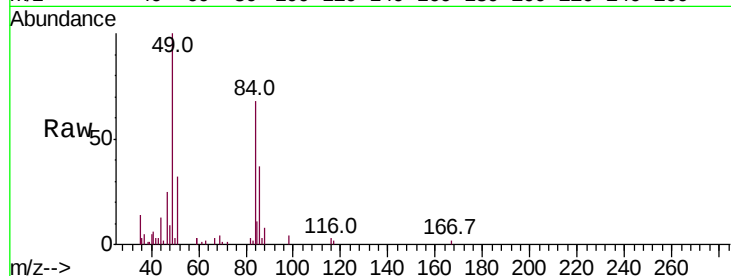




#20
Methylene Chloride
Concen: 0.350 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL032594.D
Acq: 4 Oct 2018 9:32

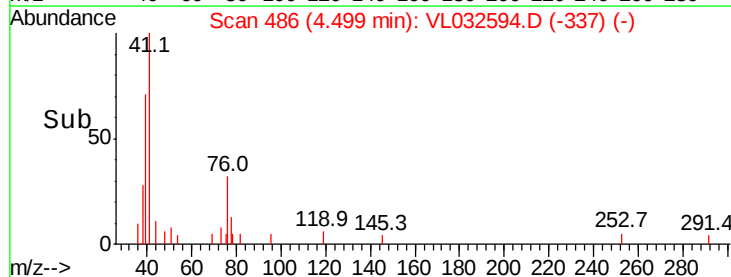
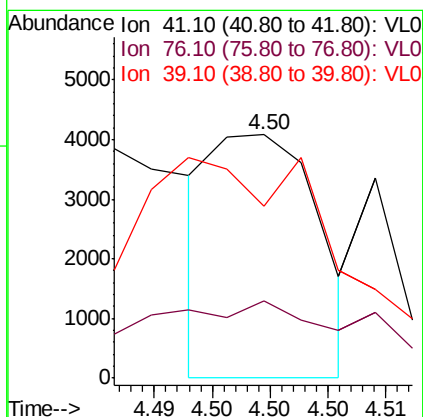
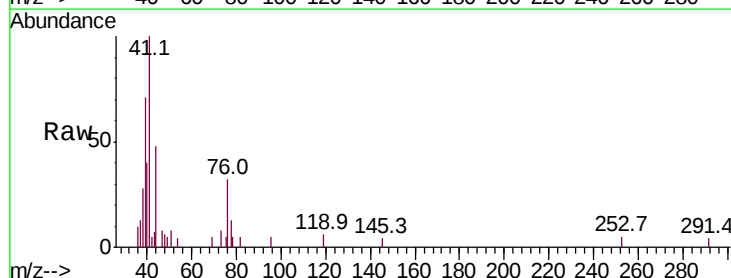
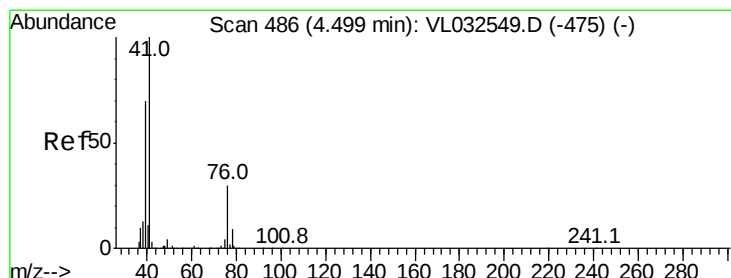
Instrument :
MSVOA_L
ClientSampleId :

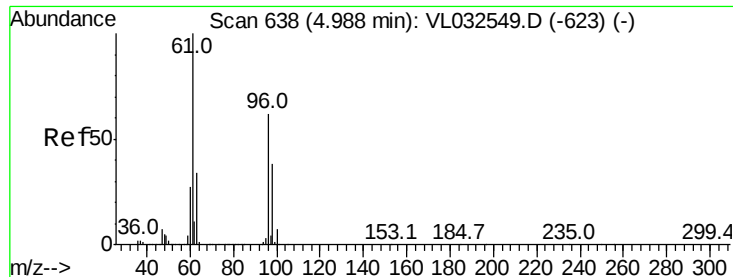
Tot Ion:	84	Resp:	16616
Ion	Ratio	Lower	Upper
84	100		
49	147.3	119.1	178.7
51	45.4	35.2	52.8
86	54.5	49.4	74.2



#21
Allyl Chloride
Concen: 0.032 ppbv
RT: 4.50 min Scan# 486
Delta R.T. -0.02 min
Lab File: VL032594.D
Acq: 4 Oct 2018 9:32

Tgt Ion:	41	Resp:	2595
Ion	Ratio	Lower	Upper
41	100		
76	81.2	23.6	35.4#
39	250.6	57.7	86.5#





#22

trans-1,2-Dichloroethene

Concen: 0.092 ppbv

RT: 4.98 min Scan# 635

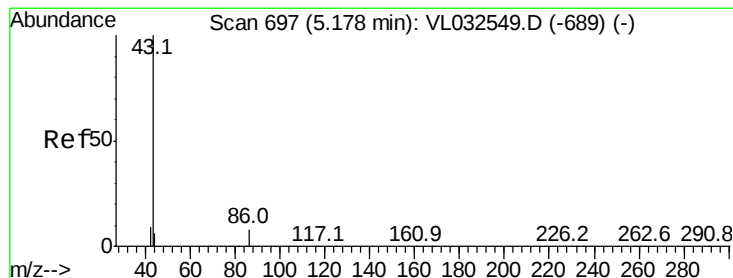
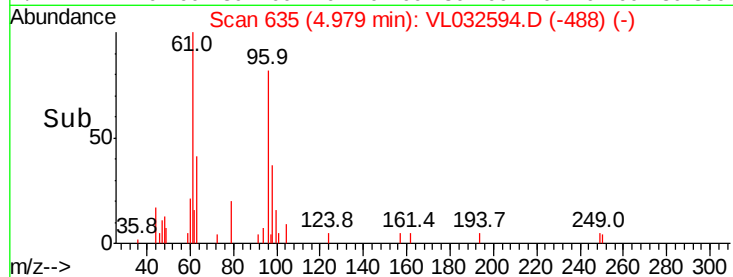
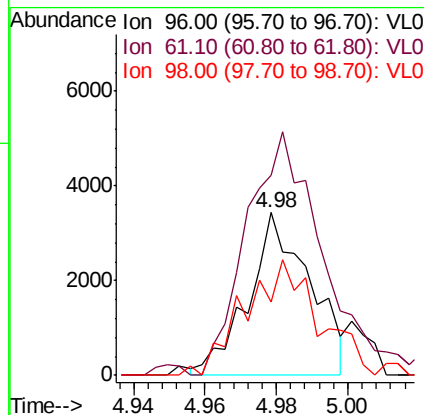
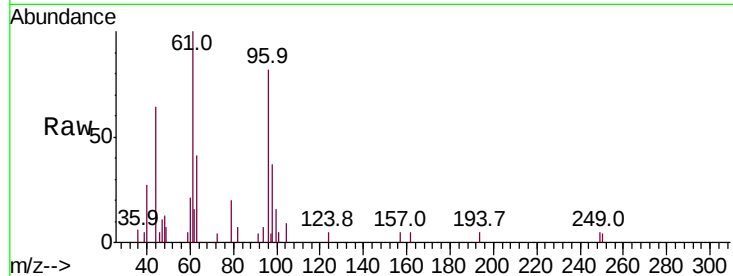
Delta R.T. -0.03 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	96	Resp:	4092
Ion	Ratio	Lower	Upper
96	100		
61	142.3	136.2	204.4
98	41.7	50.4	75.6#



#23

Vinyl Acetate

Concen: 0.058 ppbv

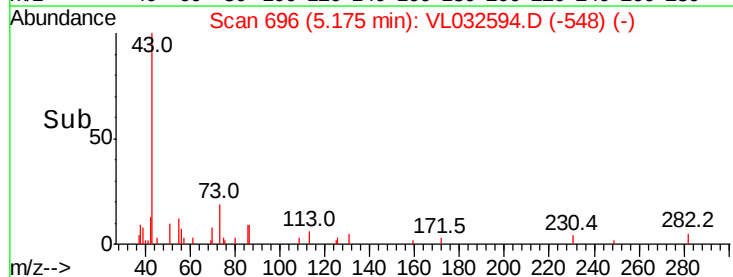
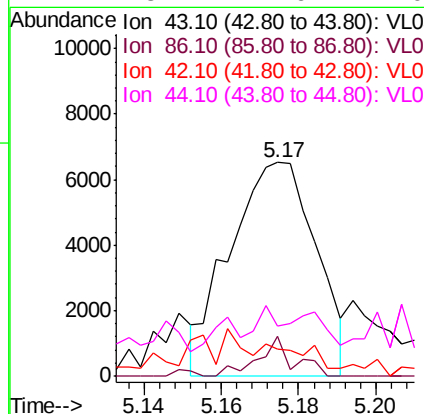
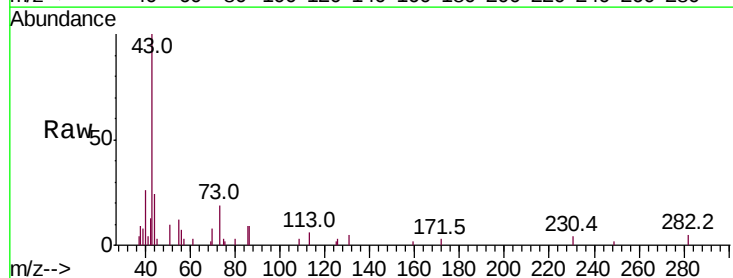
RT: 5.17 min Scan# 696

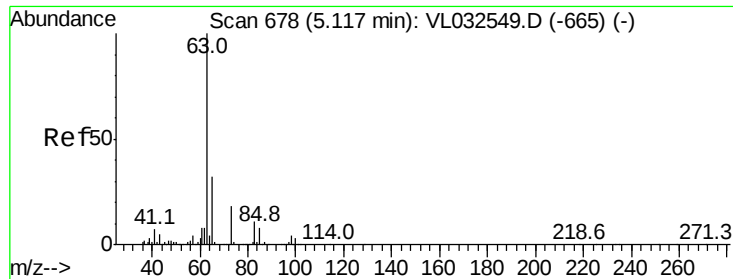
Delta R.T. -0.02 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Tgt Ion:	43	Resp:	10085
Ion	Ratio	Lower	Upper
43	100		
86	24.4	5.9	8.9#
42	12.3	6.9	10.3#
44	15.7	4.6	7.0#





#24

1,1-Dichloroethane

Concen: 0.030 ppbv

RT: 5.11 min Scan# 677

Delta R.T. -0.02 min

Lab File: VL032594.D

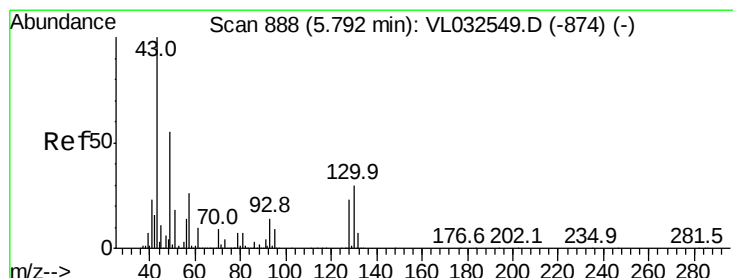
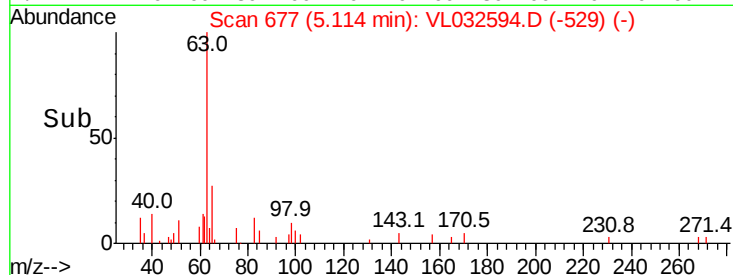
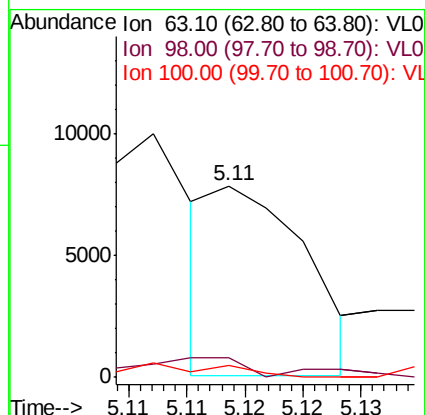
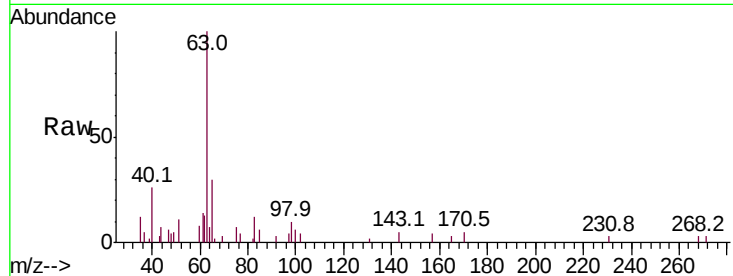
Acq: 4 Oct 2018 9:32

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	63	Resp:	4365
Ion	Ratio	Lower	Upper
63	100		
98	8.0	2.1	6.5#
100	8.1	1.5	4.4#



#25

Ethyl Acetate

Concen: 0.103 ppbv

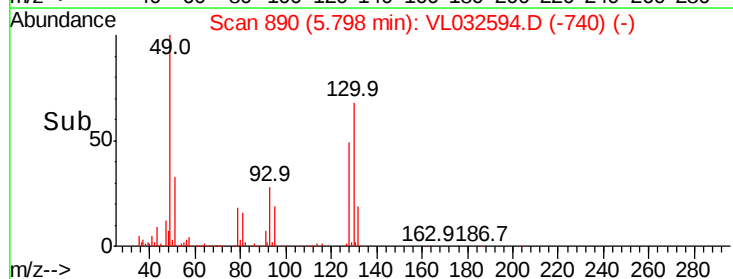
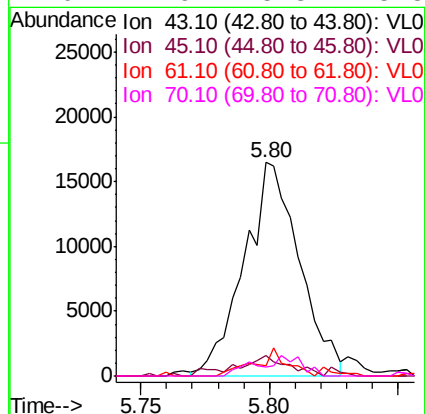
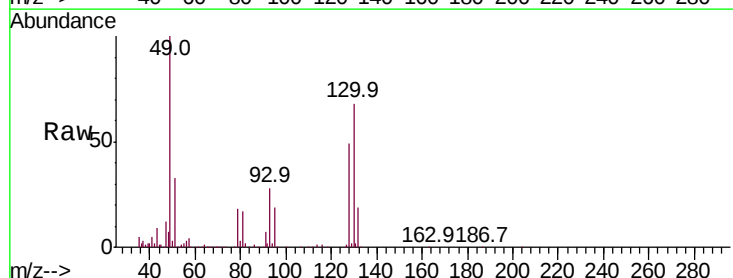
RT: 5.80 min Scan# 890

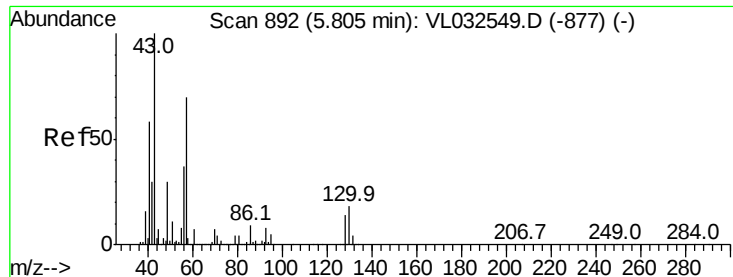
Delta R.T. -0.02 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Tgt Ion:	43	Resp:	24649
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	8.9	7.6	11.4
70	7.6	5.8	8.8





#26

Hexane

Concen: 0.054 ppbv

RT: 5.79 min Scan# 888

Delta R.T. -0.03 min

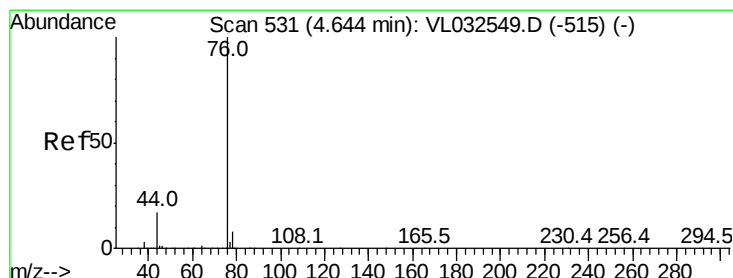
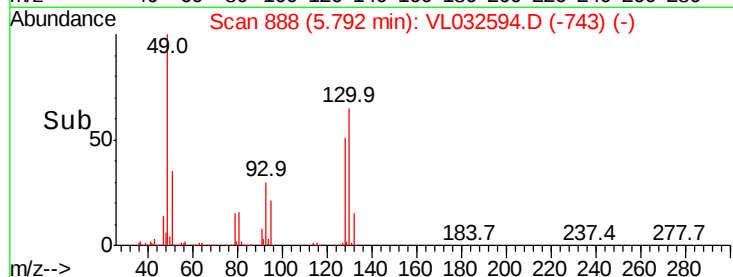
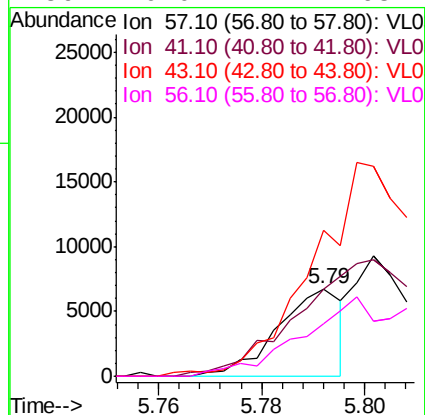
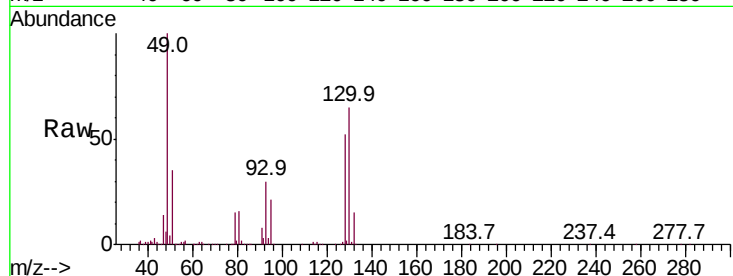
Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 5823

Ion	Ratio	Lower	Upper
57	100		
41	0.0	69.0	103.4#
43	0.0	172.1	258.1#
56	0.0	42.2	63.2#



#27

Carbon Disulfide

Concen: 0.099 ppbv

RT: 4.64 min Scan# 529

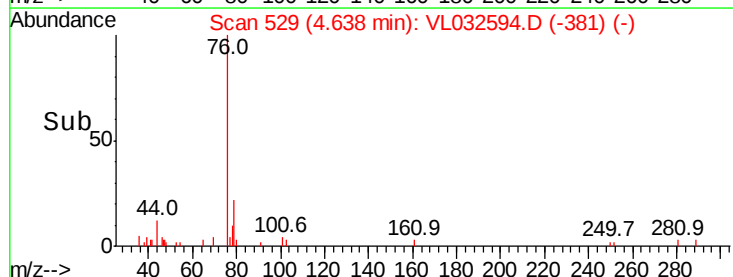
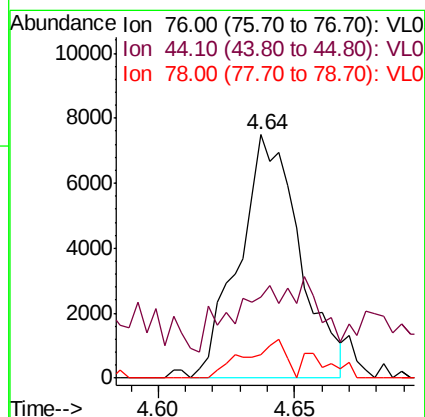
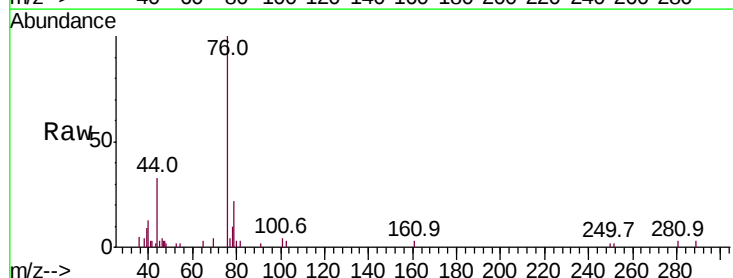
Delta R.T. -0.02 min

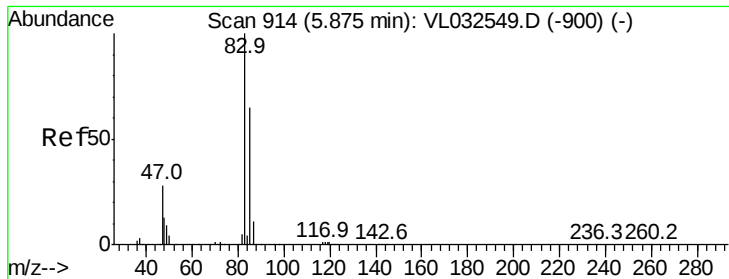
Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Tgt Ion: 76 Resp: 11503

Ion	Ratio	Lower	Upper
76	100		
44	36.0	14.0	21.0#
78	15.6	7.5	11.3#





#29

Chloroform

Concen: 0.128 ppbv

RT: 5.87 min Scan# 911

Delta R.T. -0.03 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Instrument :

MSVOA_L

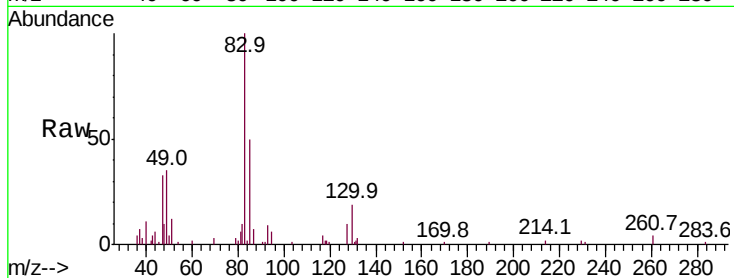
ClientSampleId :

Tot Ion: 83 Resp: 21125

Ion Ratio Lower Upper

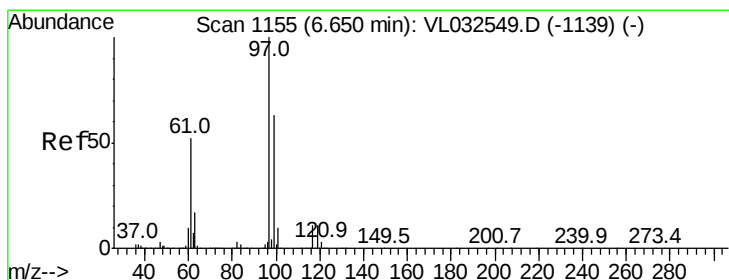
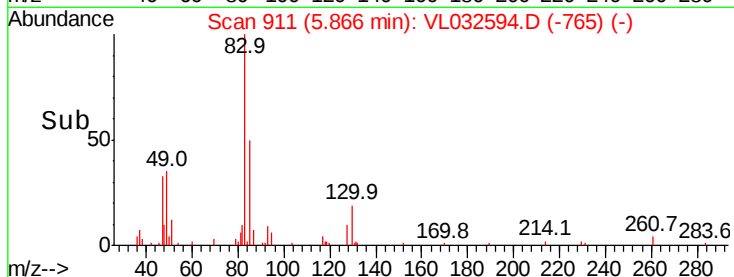
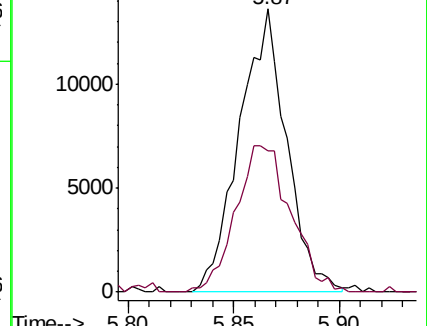
83 100

85 48.3 52.5 78.7#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.087 ppbv

RT: 6.64 min Scan# 1151

Delta R.T. -0.03 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

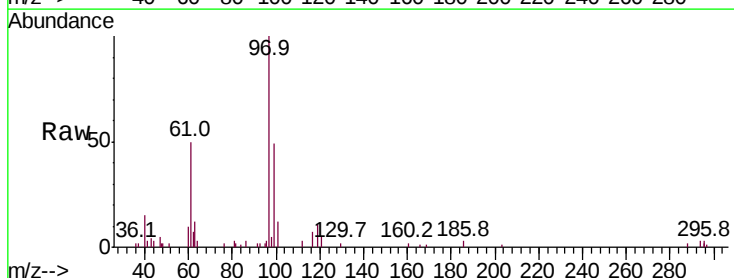
Tgt Ion: 97 Resp: 15290

Ion Ratio Lower Upper

97 100

99 76.1 52.1 78.1

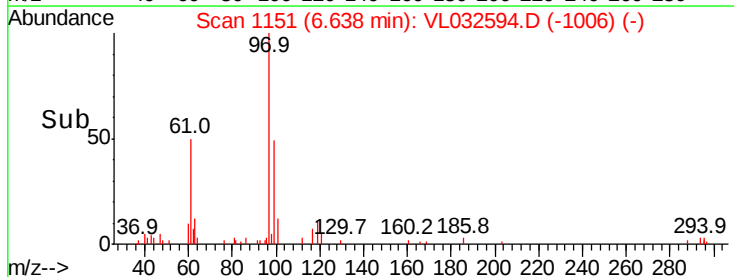
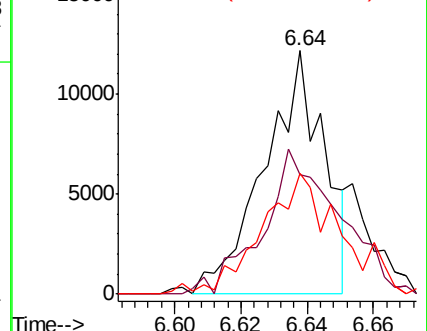
61 65.8 42.5 63.7#

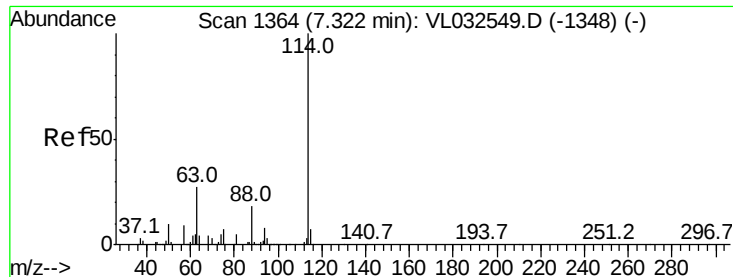


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.31 min Scan# 1361

Delta R.T. -0.03 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Instrument :

MSVOA_L

ClientSampleId :

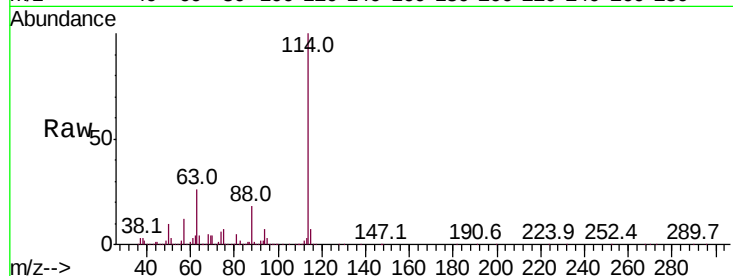
Tot Ion:114 Resp: 2563353

Ion Ratio Lower Upper

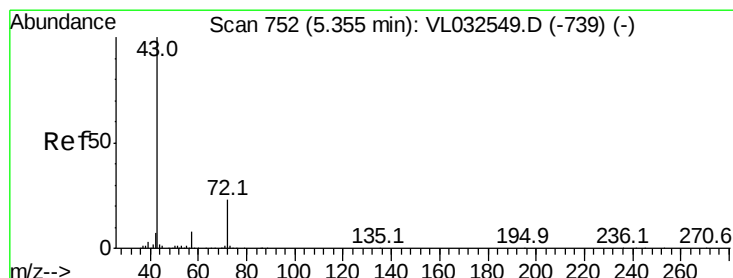
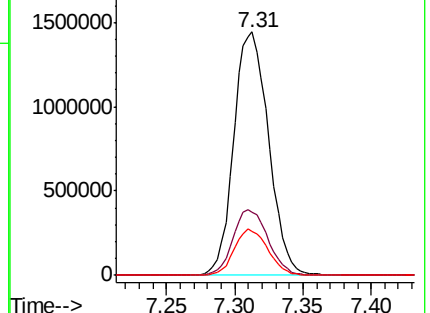
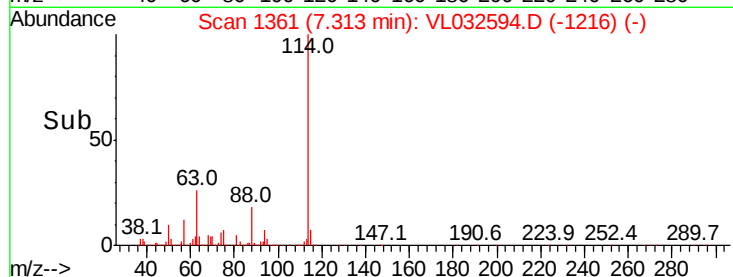
114 100

63 27.1 22.2 33.4

88 18.7 15.0 22.4



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



#34

2-Butanone

Concen: 0.050 ppbv

RT: 5.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VL032594.D

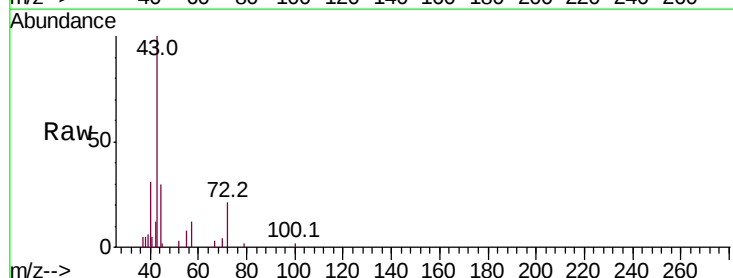
Acq: 4 Oct 2018 9:32

Tgt Ion: 43 Resp: 7628

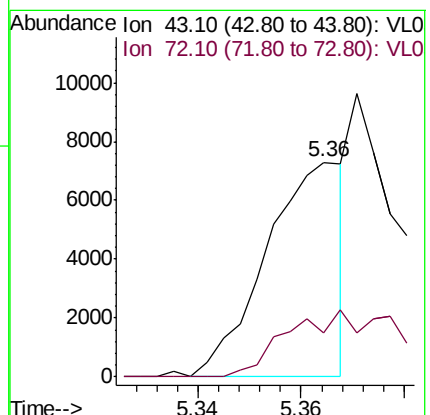
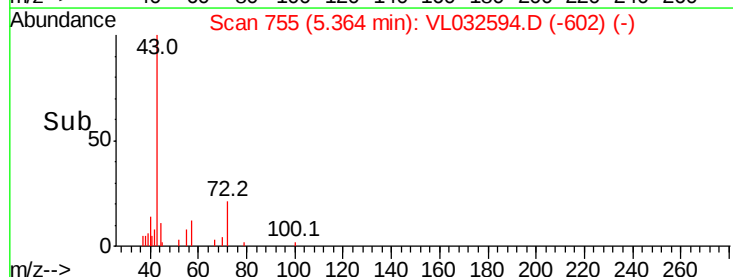
Ion Ratio Lower Upper

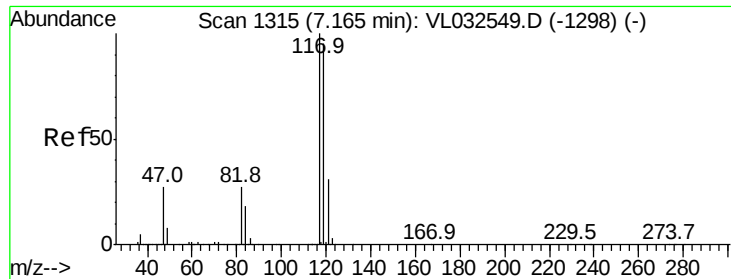
43 100

72 0.0 17.8 26.6#



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





#35

Carbon Tetrachloride

Concen: 0.040 ppbv

RT: 7.16 min Scan# 1312

Delta R.T. -0.03 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Instrument :

MSVOA_L

ClientSampleId :

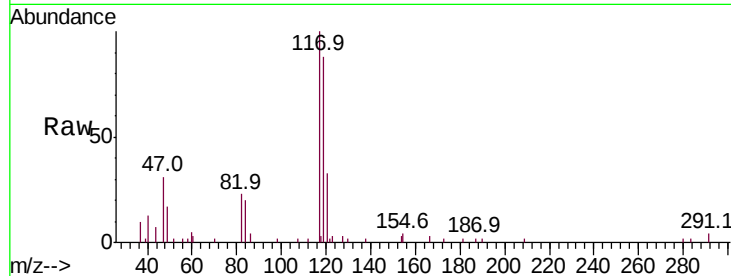
Tot Ion:117 Resp: 7148

Ion Ratio Lower Upper

117 100

119 66.7 76.6 115.0#

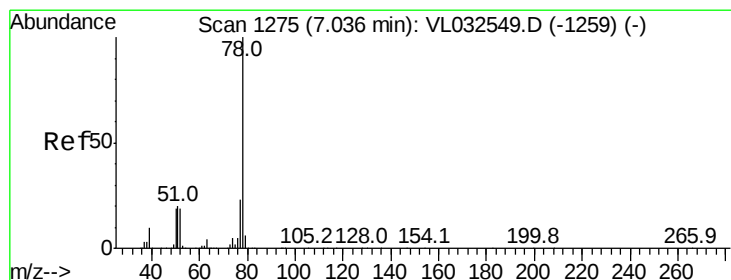
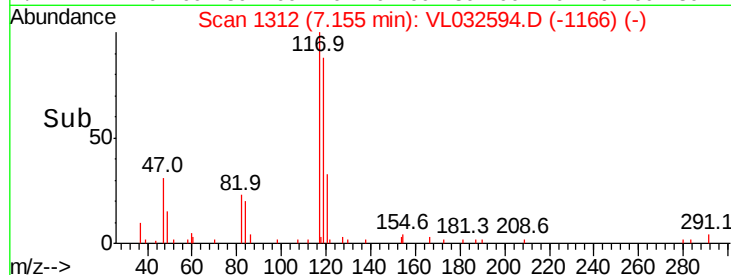
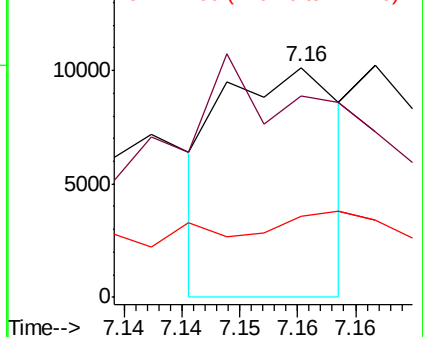
121 7.0 24.6 36.8#



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: 0.045 ppbv

RT: 7.03 min Scan# 1273

Delta R.T. -0.03 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

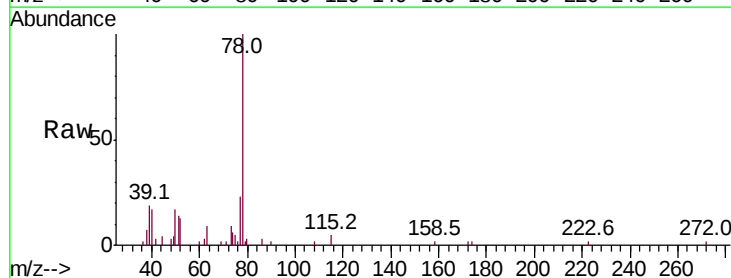
Tgt Ion: 78 Resp: 9383

Ion Ratio Lower Upper

78 100

77 14.7 18.4 27.6#

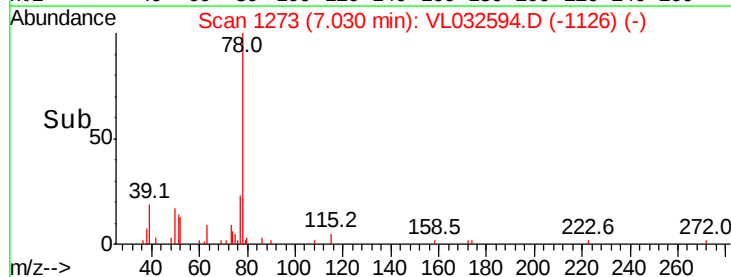
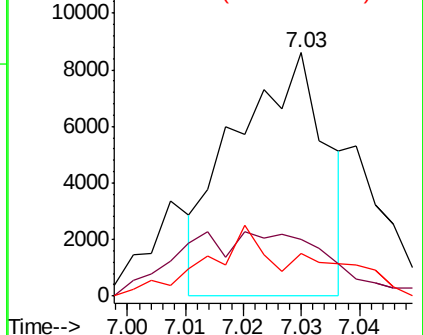
50 9.2 14.4 21.6#

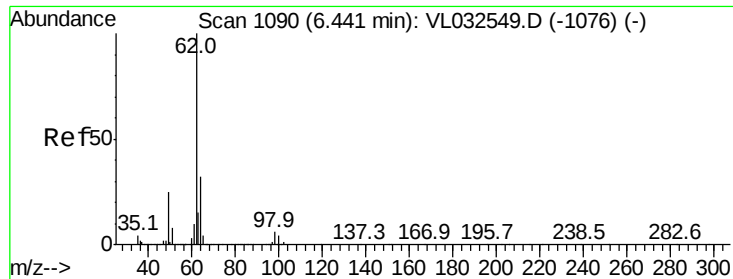


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

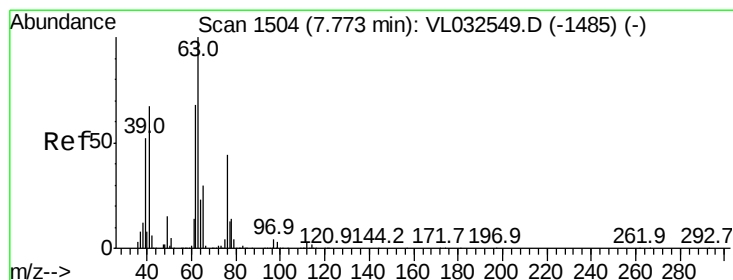
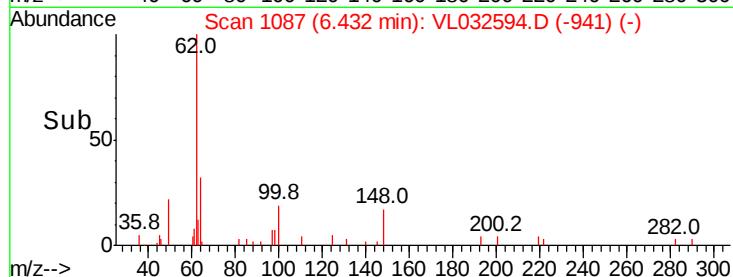
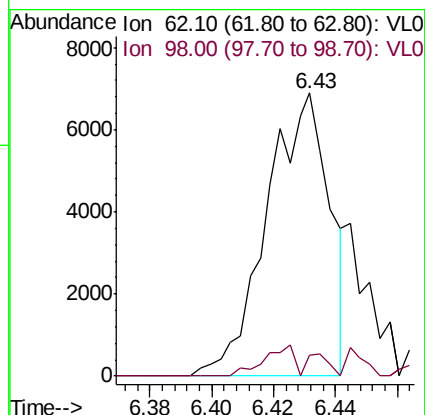
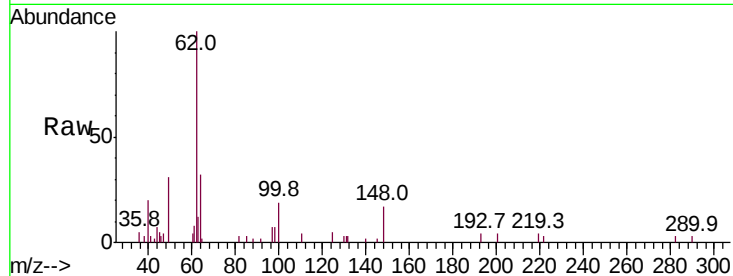




#37
 1,2-Dichloroethane
 Concen: 0.078 ppbv
 RT: 6.43 min Scan# 1087
 Delta R.T. -0.03 min
 Lab File: VL032594.D
 Acq: 4 Oct 2018 9:32

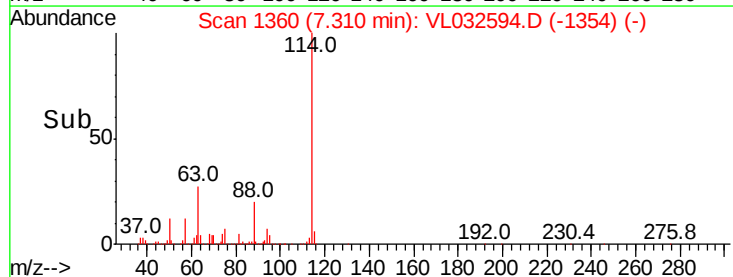
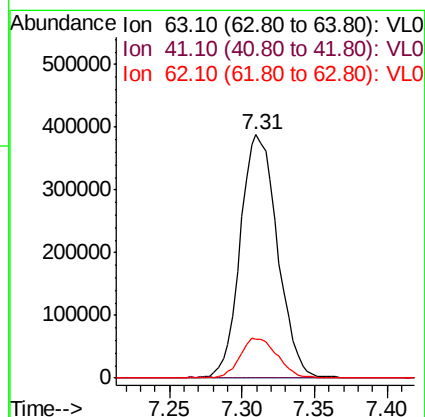
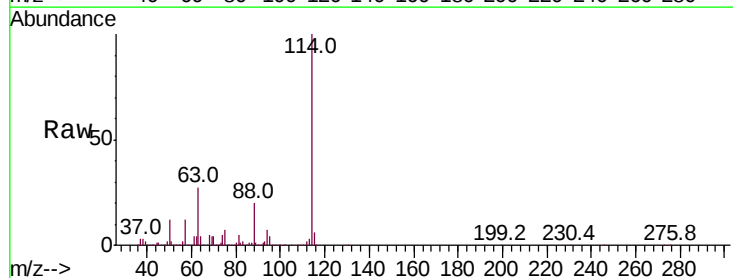
Instrument :
 MSVOA_L
 ClientSampleId :

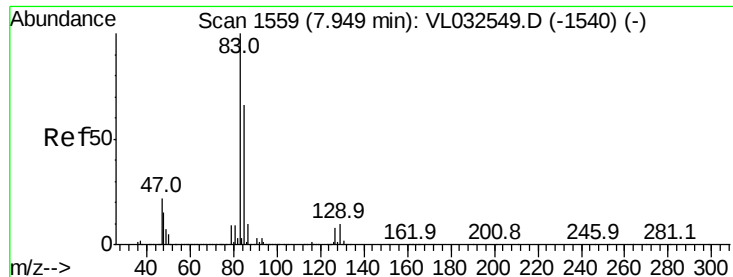
Tot Ion: 62 Resp: 9712
 Ion Ratio Lower Upper
 62 100
 98 11.5 5.0 7.6#



#39
 1,2-Dichloropropane
 Concen: 7.401 ppbv
 RT: 7.31 min Scan# 1360
 Delta R.T. -0.48 min
 Lab File: VL032594.D
 Acq: 4 Oct 2018 9:32

Tgt Ion: 63 Resp: 690899
 Ion Ratio Lower Upper
 63 100
 41 0.1 55.4 83.0#
 62 16.1 55.4 83.0#





#42

Bromodichloromethane

Concen: 0.112 ppbv

RT: 7.94 min Scan# 1556

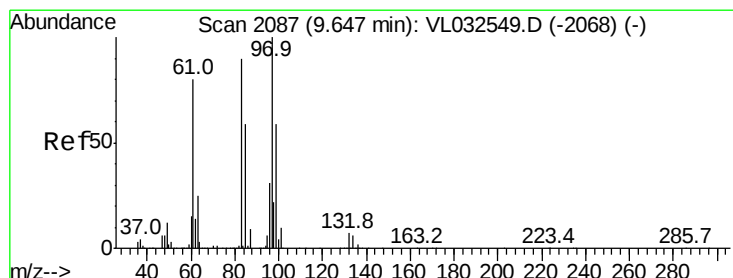
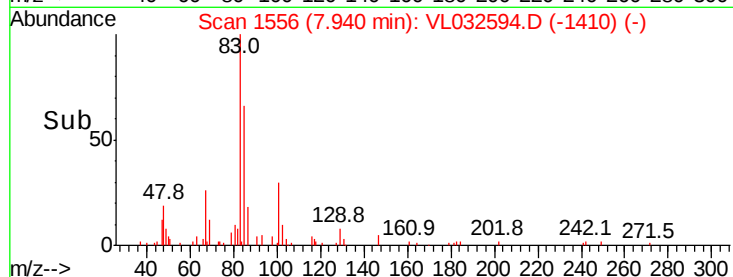
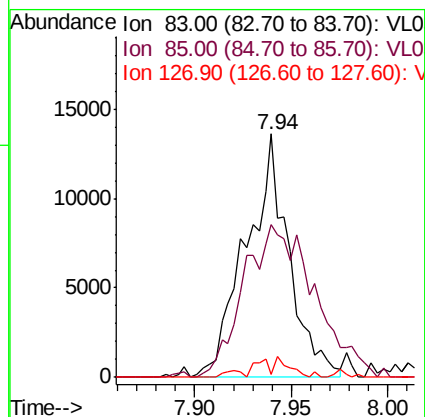
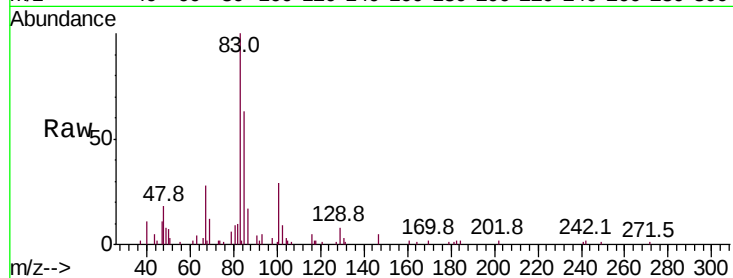
Delta R.T. -0.03 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	83	Resp:	20987
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	1.4	5.8	8.8#



#47

1,1,2-Trichloroethane

Concen: 0.030 ppbv

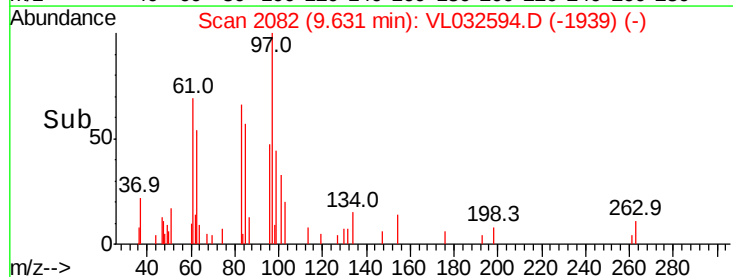
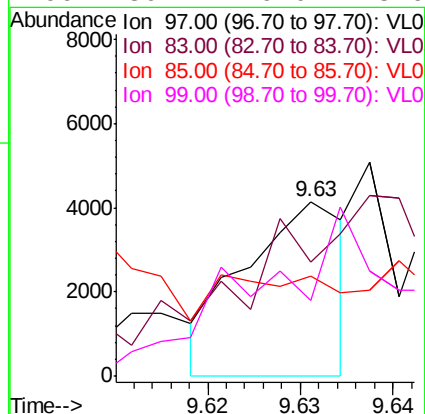
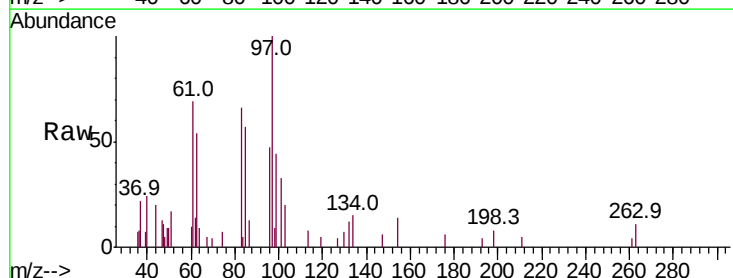
RT: 9.63 min Scan# 2082

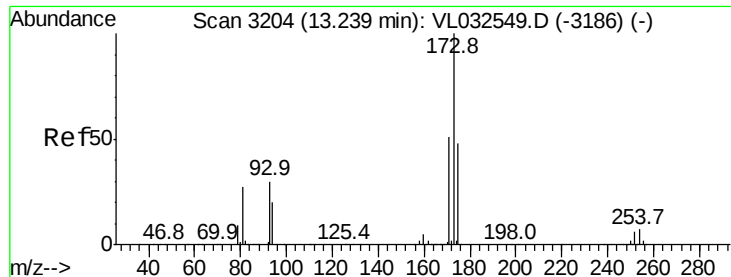
Delta R.T. -0.04 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Tgt Ion:	97	Resp:	3131
Ion	Ratio	Lower	Upper
97	100		
83	48.3	75.0	112.4#
85	37.0	47.5	71.3#
99	30.7	49.0	73.6#





#49

Bromoform

Concen: 0.032 ppbv

RT: 13.22 min Scan# 3197

Delta R.T. -0.04 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Instrument :

MSVOA_L

ClientSampleId :

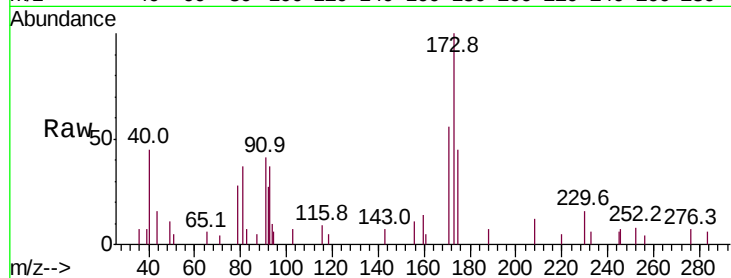
Tot Ion:173 Resp: 3962

Ion Ratio Lower Upper

173 100

175 0.0 38.9 58.3#

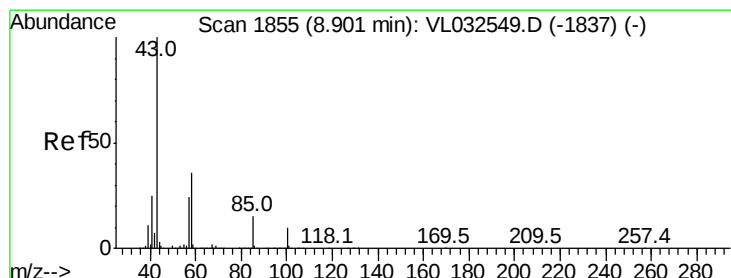
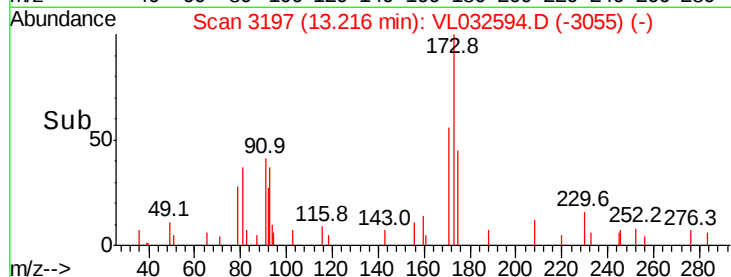
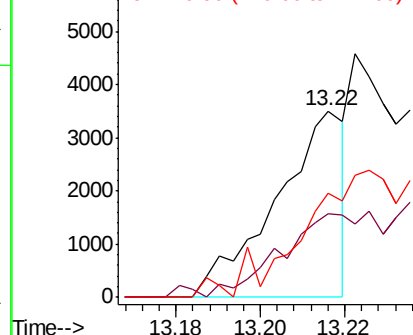
171 0.0 41.6 62.4#



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: 0.031 ppbv

RT: 8.92 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VL032594.D

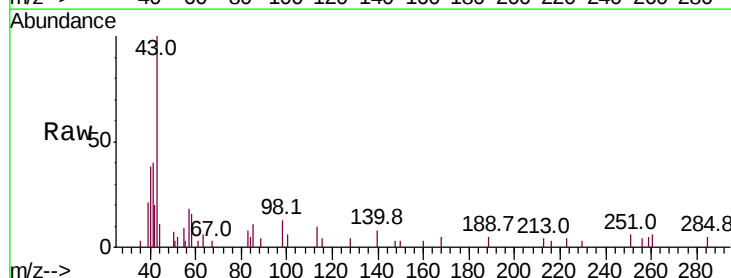
Acq: 4 Oct 2018 9:32

Tgt Ion: 43 Resp: 7345

Ion Ratio Lower Upper

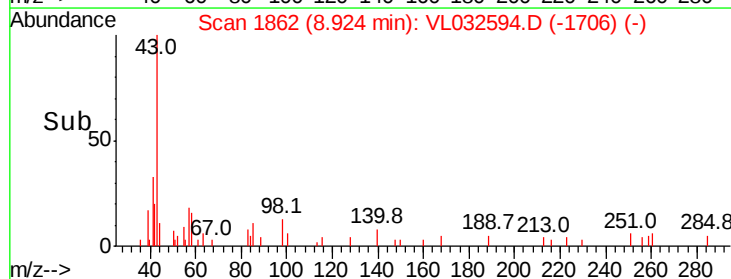
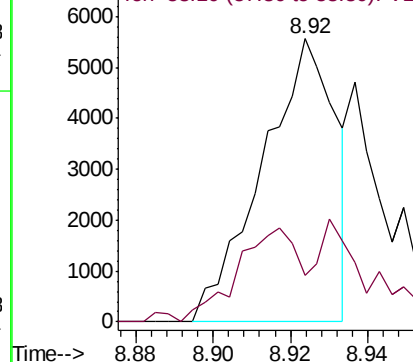
43 100

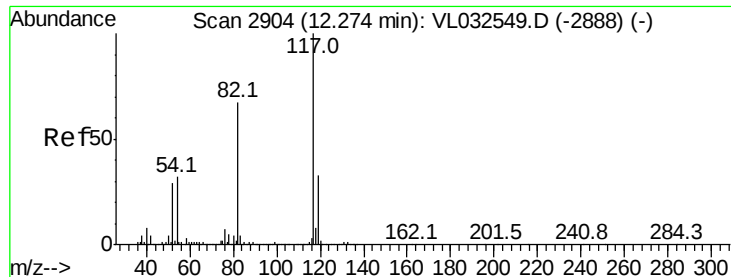
58 0.0 29.0 43.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

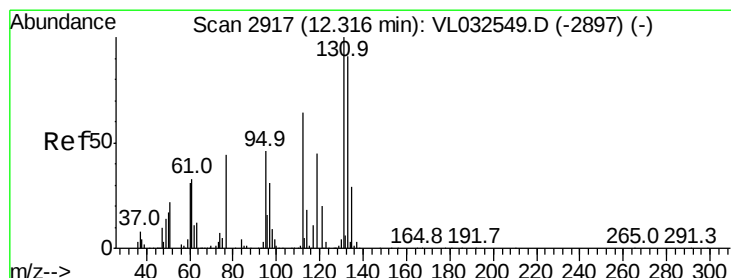
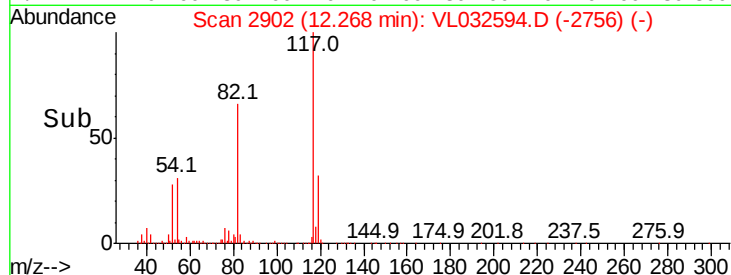
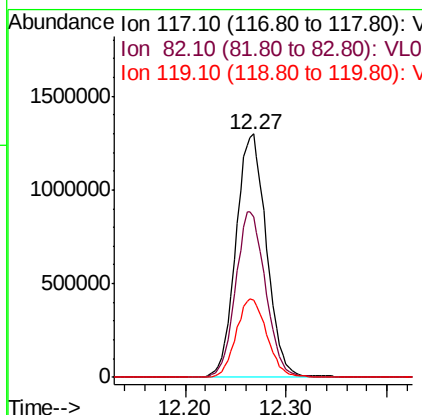
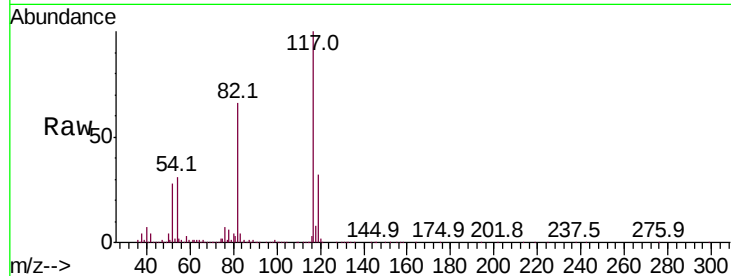




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.03 min
Lab File: VL032594.D
Acq: 4 Oct 2018 9:32

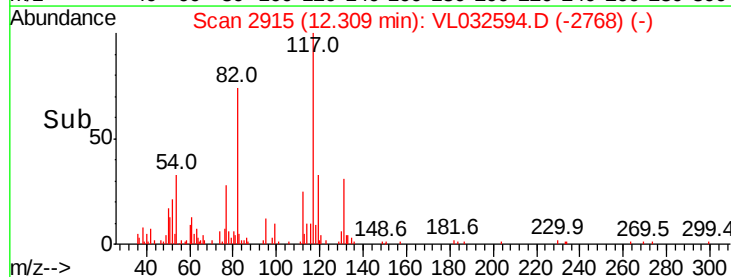
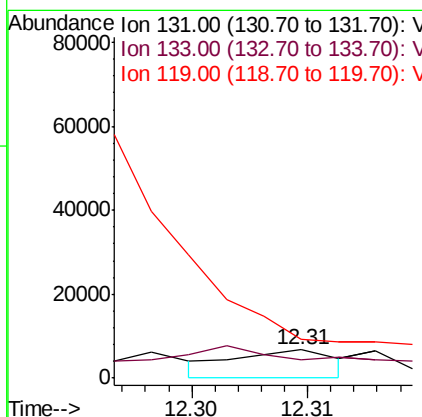
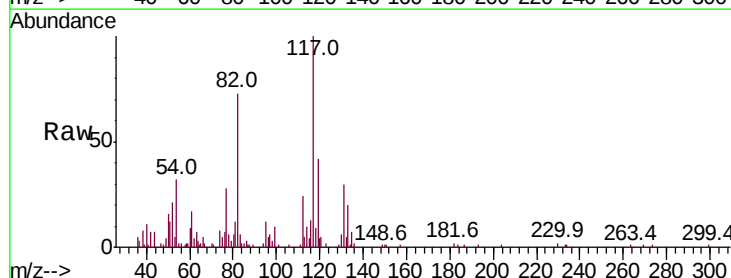
Instrument :
MSVOA_L
ClientSampleId :

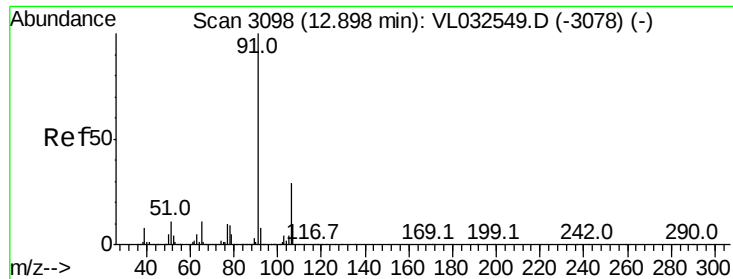
Tot Ion:117 Resp: 2722152
Ion Ratio Lower Upper
117 100
82 67.0 53.0 79.6
119 32.7 45.9 68.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.034 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. -0.03 min
Lab File: VL032594.D
Acq: 4 Oct 2018 9:32

Tgt Ion:131 Resp: 4183
Ion Ratio Lower Upper
131 100
133 325.2 77.0 115.4#
119 0.0 114.2 171.2#





#58

Ethyl Benzene

Concen: 0.038 ppbv

RT: 12.88 min Scan# 3094

Delta R.T. -0.04 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Instrument :

MSVOA_L

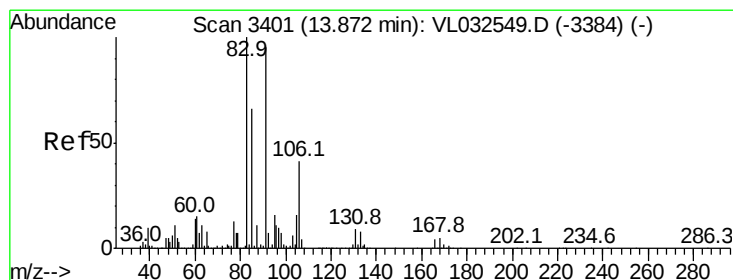
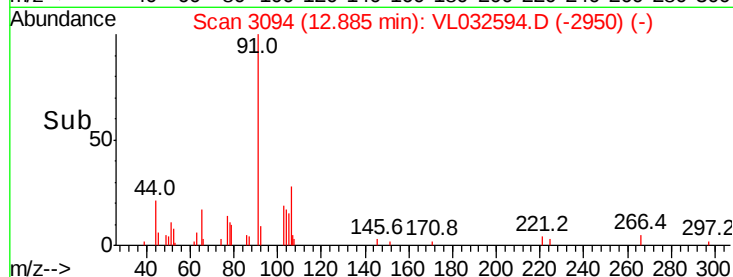
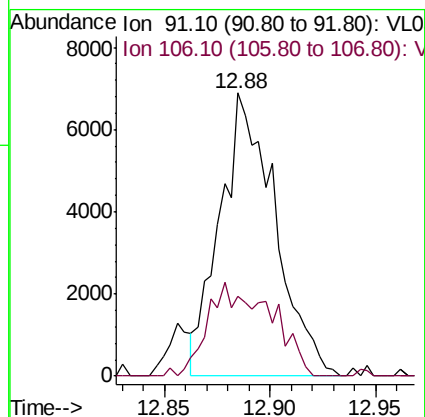
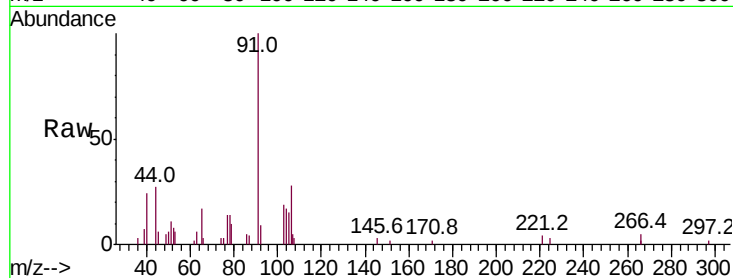
ClientSampleId :

Tot Ion: 91 Resp: 12445

Ion Ratio Lower Upper

91 100

106 32.7 24.8 37.2



#63

1,1,2,2-Tetrachloroethane

Concen: 0.044 ppbv

RT: 13.86 min Scan# 3397

Delta R.T. -0.04 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

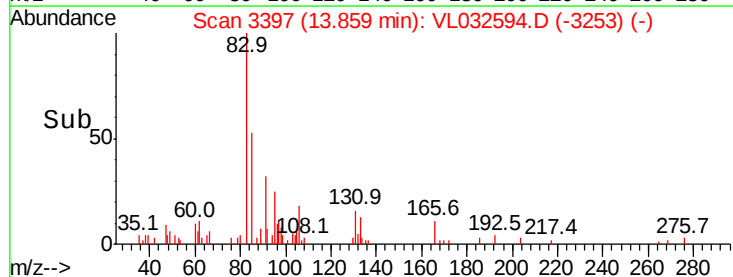
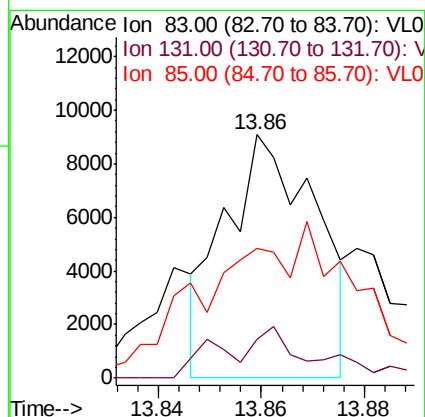
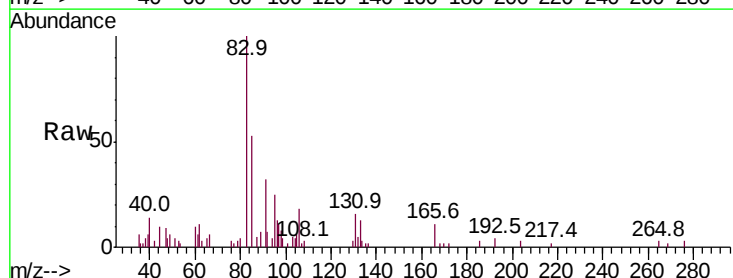
Tgt Ion: 83 Resp: 11173

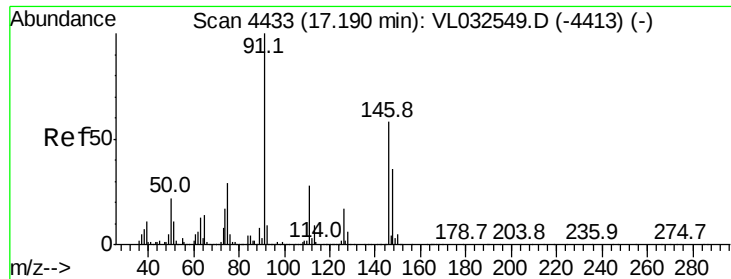
Ion Ratio Lower Upper

83 100

131 21.3 4.3 12.8#

85 0.0 32.3 96.8#

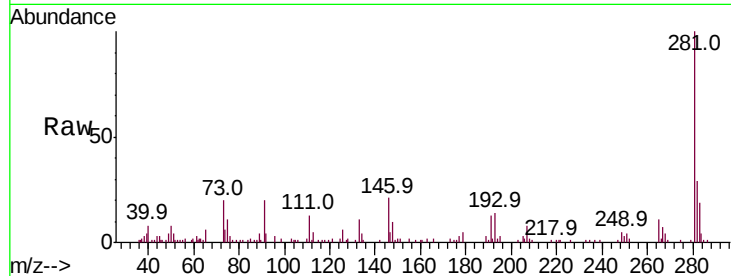




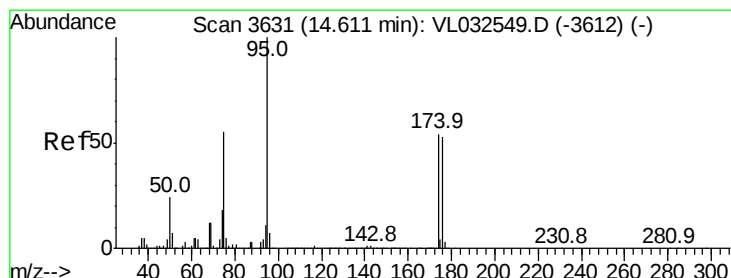
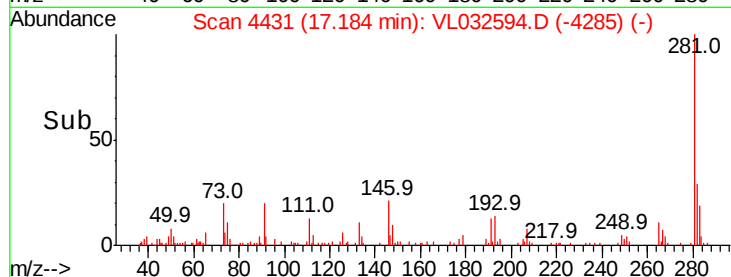
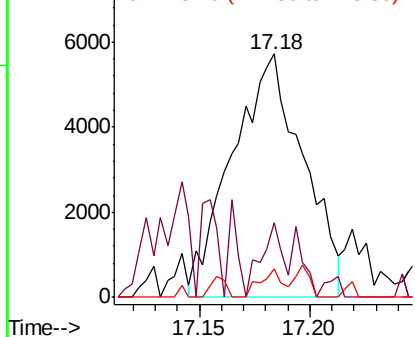
#66
Benzyl Chloride
Concen: 0.064 ppbv
RT: 17.18 min Scan# 4431
Delta R.T. -0.03 min
Lab File: VL032594.D
Acq: 4 Oct 2018 9:32

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 91 Resp: 12795
Ion Ratio Lower Upper
91 100
126 0.0 13.8 20.8#
128 8.5 4.4 6.6#

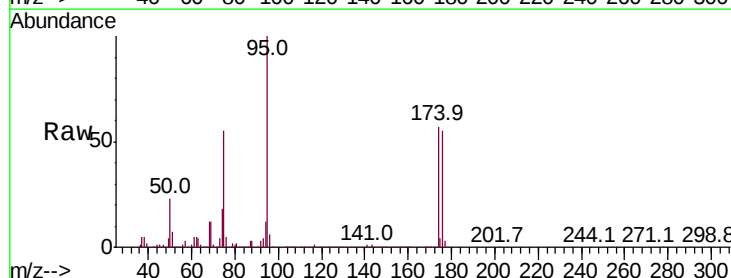


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

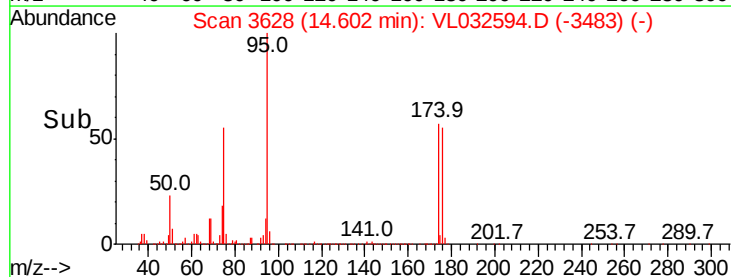
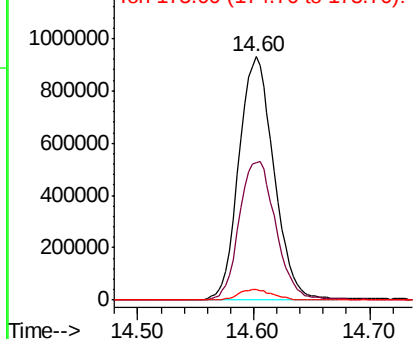


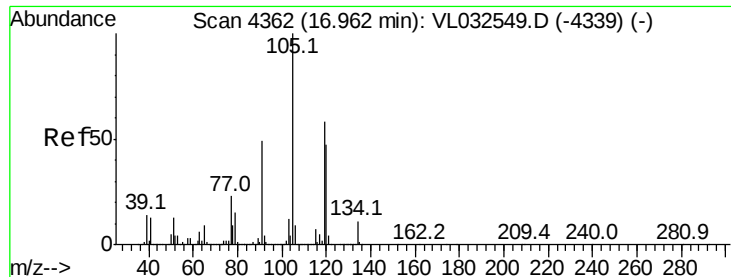
#68
1-Bromo-4-Fluorobenzene
Concen: 9.528 ppbv
RT: 14.60 min Scan# 3628
Delta R.T. -0.03 min
Lab File: VL032594.D
Acq: 4 Oct 2018 9:32

Tgt Ion: 95 Resp: 1955962
Ion Ratio Lower Upper
95 100
174 59.9 46.3 69.5
175 4.3 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V





#74

1,2,4-Trimethylbenzene

Concen: 0.032 ppbv

RT: 16.94 min Scan# 4355

Delta R.T. -0.04 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 10424

Ion Ratio Lower Upper

105 100

120 36.3 37.8 56.8#

91 7.9 41.4 62.0#

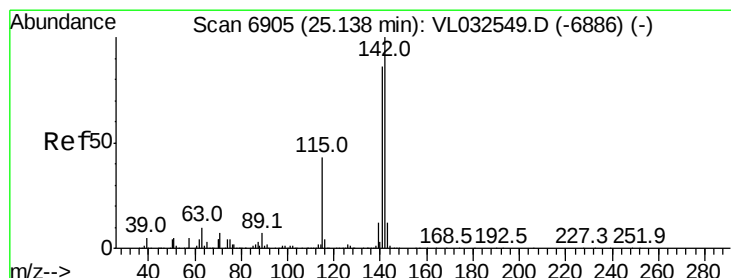
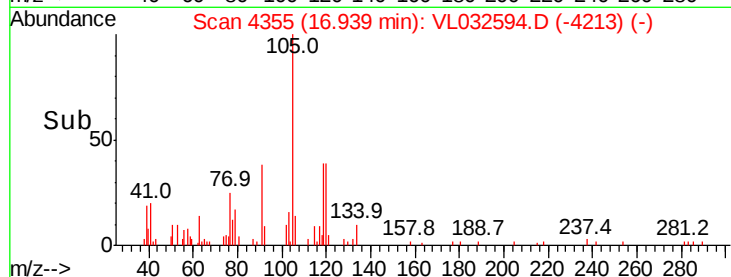
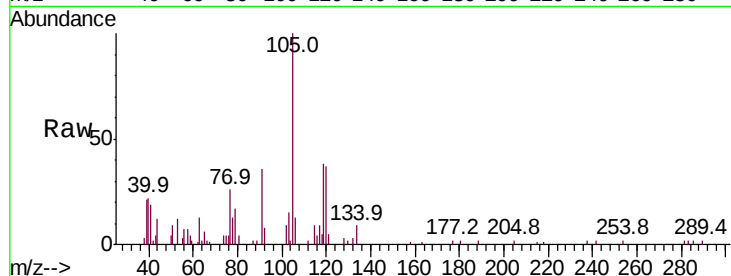
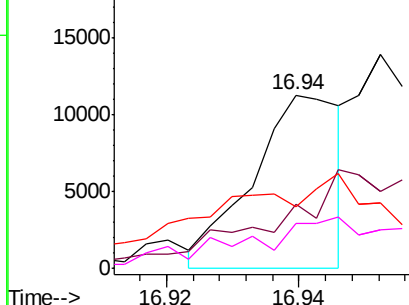
77 23.0 18.6 28.0

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



#80

Naphthalene, 2-methyl-

Concen: 0.032 ppbv

RT: 25.12 min Scan# 6900

Delta R.T. -0.03 min

Lab File: VL032594.D

Acq: 4 Oct 2018 9:32

Tgt Ion:142 Resp: 1769

Ion Ratio Lower Upper

142 100

141 73.4 67.0 100.6

115 0.0 31.3 46.9#

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

