

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122018\
 Data File : VL033047.D
 Acq On : 21 Dec 2018 9:31
 Operator : SY/AP
 Sample : J6522-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 22 05:36:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	999472	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2319800	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2284052	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	1748197	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	81974	0.614	ppbv	100
3) Chlorodifluoromethane	2.99	51	2898896	38.298	ppbv #	59
4) Chloromethane	3.17	50	27676	0.628	ppbv	91
7) Chloroethane	3.61	64	973	0.061	ppbv #	69
9) Propene	3.24	41	902825	30.164	ppbv	92
11) Trichlorofluoromethane	4.01	101	171825	1.367	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.57	101	10680	0.100	ppbv	96
13) Ethanol	3.67	45	3613670	350.664	ppbv	96
15) Acetone	3.90	43	6569968	76.584	ppbv	98
16) 1,3-Butadiene	3.35	39	1085691	31.899	ppbv #	8
17) tert-Butyl alcohol	4.37	59	1550365	70.982	ppbv #	79
18) 1,1-Dichloroethene	4.36	96	3572	0.085	ppbv #	47
19) Isopropyl Alcohol	4.04	45	354244	6.575	ppbv #	1
20) Methylene Chloride	4.42	84	1398249	33.348	ppbv	96
21) Allyl Chloride	4.37	41	493349	7.057	ppbv #	62
23) Vinyl Acetate	5.15	43	2624094	18.066	ppbv #	11
24) 1,1-Dichloroethane	5.14	63	6422	0.051	ppbv #	87
25) Ethyl Acetate	5.79	43	976053	4.816	ppbv #	78
26) Hexane	5.79	57	1425657	15.237	ppbv #	44
27) Carbon Disulfide	4.63	76	490043	4.189	ppbv	99
28) Methyl tert-Butyl Ether	5.13	73	56587	0.403	ppbv #	54
29) Chloroform	5.86	83	2209401	13.234	ppbv	95
31) cis-1,2-Dichloroethene	5.65	61	140896	1.641	ppbv	95
32) 1,1,1-Trichloroethane	6.62	97	5829	0.033	ppbv #	1
34) 2-Butanone	5.20	43	13252016	131.148	ppbv #	57
36) Benzene	7.02	78	11167	0.065	ppbv #	83
37) 1,2-Dichloroethane	6.42	62	4607	0.040	ppbv #	84
39) 1,2-Dichloropropane	7.30	63	585489	9.048	ppbv #	20
41) Tetrahydrofuran	6.16	42	21789	0.347	ppbv #	82
42) Bromodichloromethane	7.92	83	18549	0.115	ppbv #	91
47) 1,1,2-Trichloroethane	9.63	97	2645	0.037	ppbv	93
50) 4-Methyl-2-Pentanone	8.89	43	5720	0.035	ppbv #	39
51) 2-Hexanone	10.25	43	300567	2.743	ppbv #	31
52) Tetrachloroethene	11.39	164	7888	0.127	ppbv	84
53) Toluene	9.96	91	93586	0.517	ppbv	97
58) Ethyl Benzene	12.87	91	15163	0.062	ppbv	97
59) m/p-Xylene	13.13	91	70140	0.318	ppbv #	100
60) o-Xylene	13.86	91	9175	0.041	ppbv #	1
62) Isopropylbenzene	14.84	105	22892	0.074	ppbv	98

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

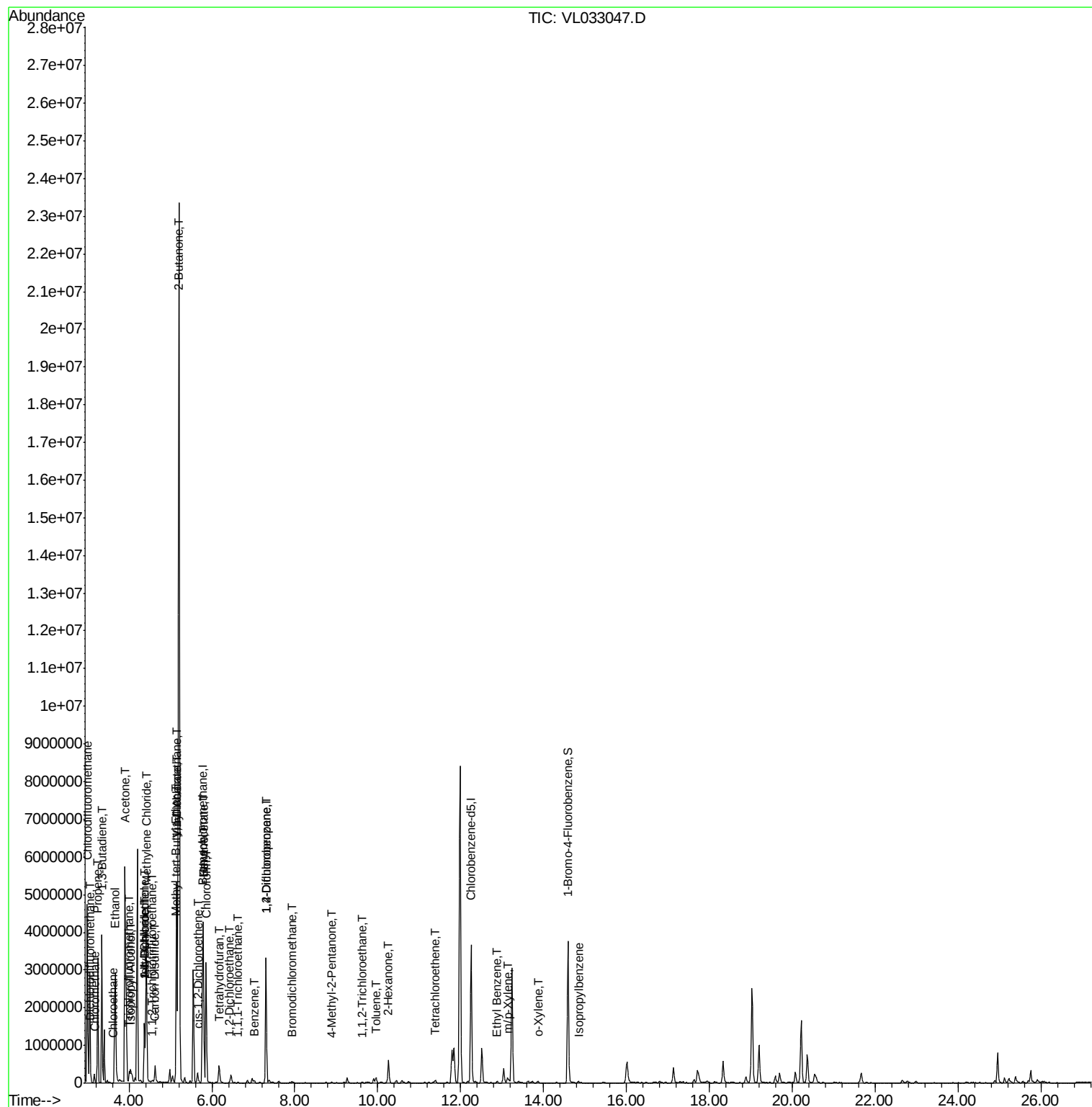
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

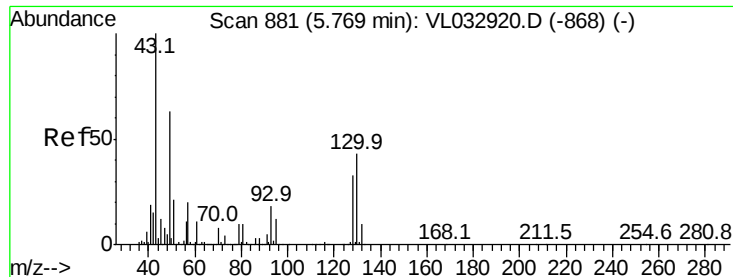
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

Lab File: VL033047.D

Acq: 21 Dec 2018 9:31

Instrument :
MSVOA_L
ClientSampled :

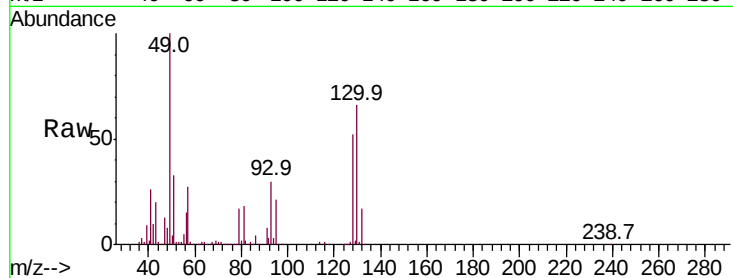
Tot Ion: 49 Resp: 999472

Ion Ratio Lower Upper

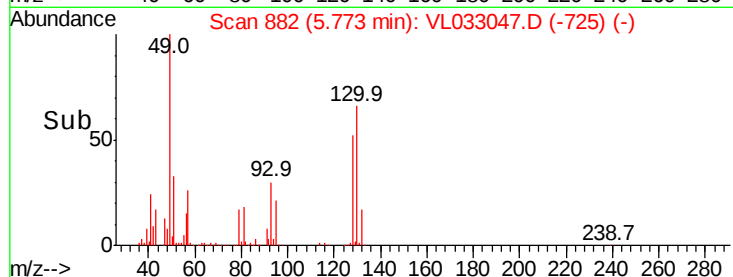
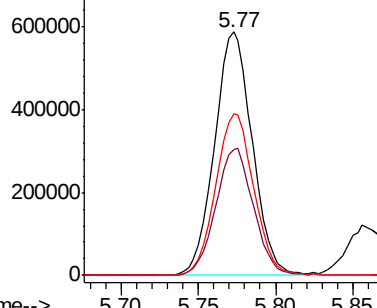
49 100

128 52.6 26.3 78.8

130 67.3 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0
800000 Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.614 ppbv

RT: 3.08 min Scan# 45

Delta R.T. 0.00 min

Lab File: VL033047.D

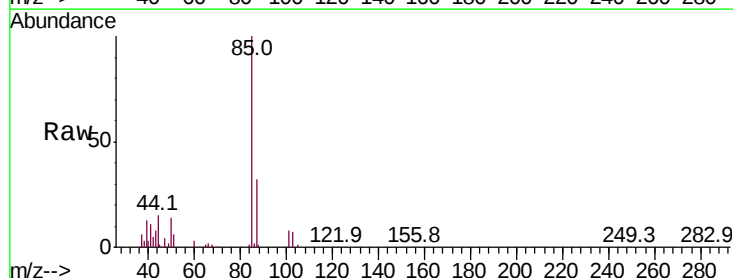
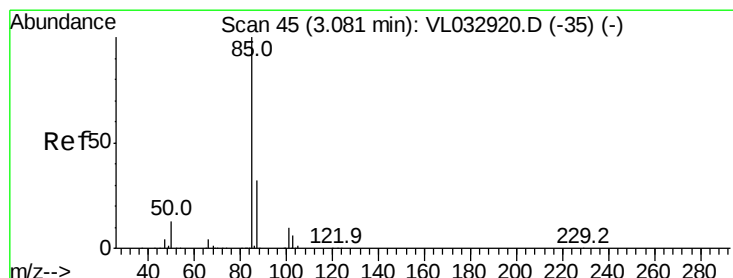
Acq: 21 Dec 2018 9:31

Tgt Ion: 85 Resp: 81974

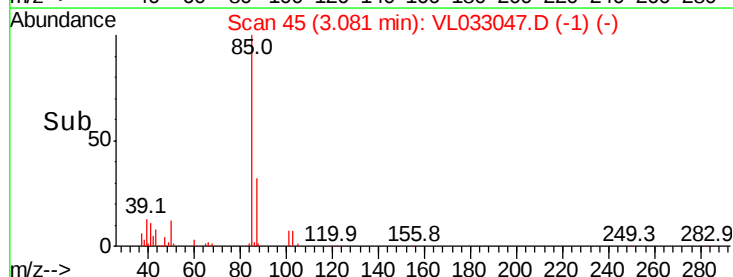
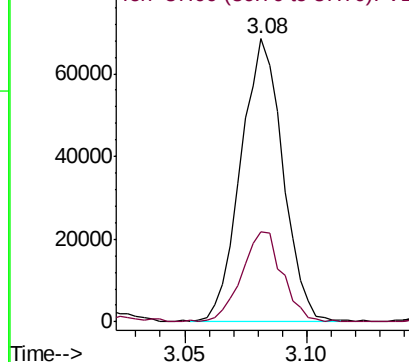
Ion Ratio Lower Upper

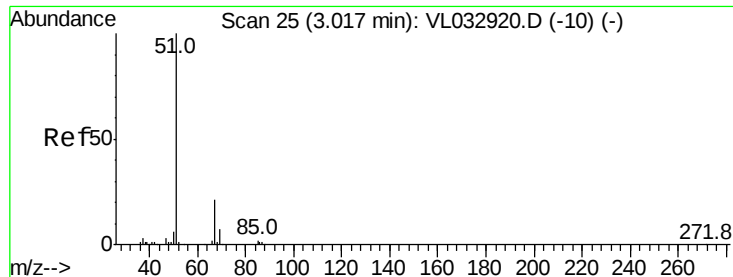
85 100

87 32.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0
80000 Ion 87.00 (86.70 to 87.70): VL0

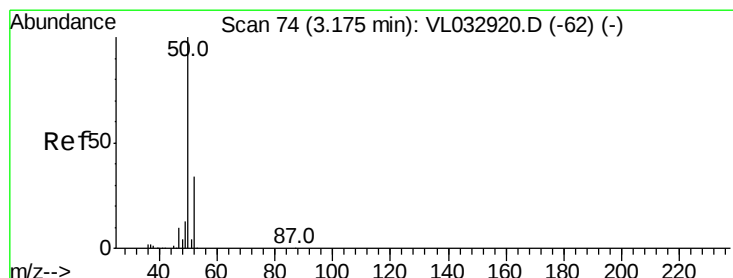
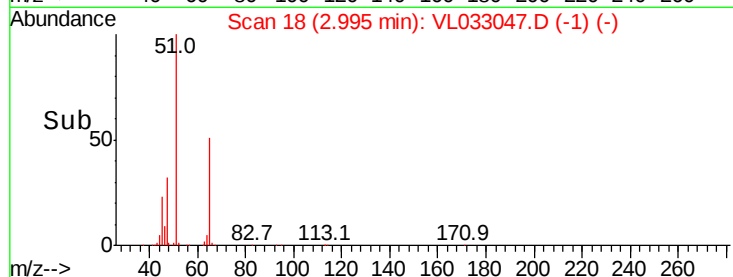
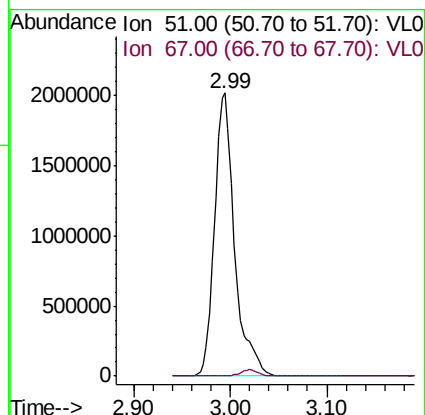
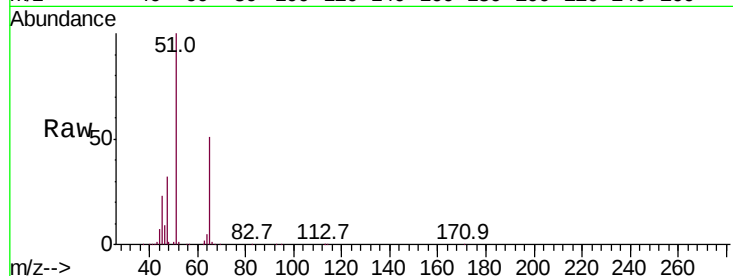




#3
 Chlorodifluoromethane
 Concen: 38.298 ppbv
 RT: 2.99 min Scan# 18
 Delta R.T. -0.02 min
 Lab File: VL033047.D
 Acq: 21 Dec 2018 9:31

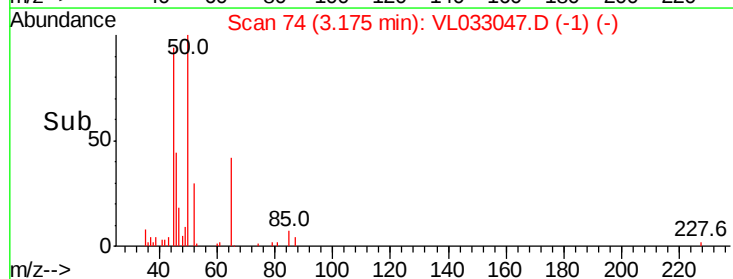
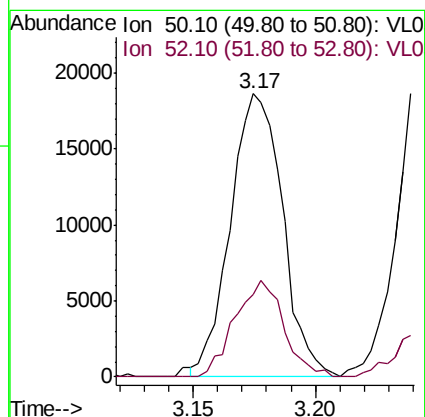
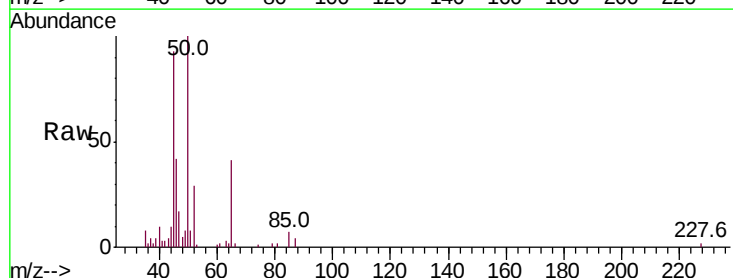
Instrument :
 MSVOA_L
 ClientSampleId :

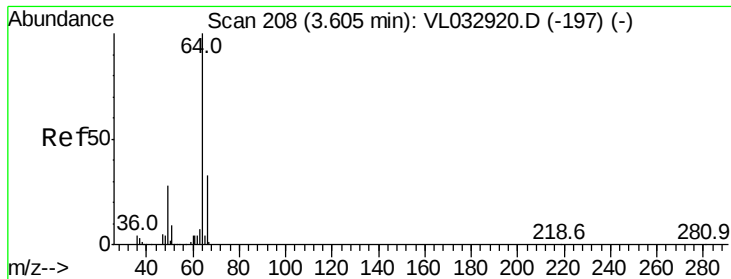
Tot Ion: 51 Resp: 2898896
 Ion Ratio Lower Upper
 51 100
 67 2.0 16.8 25.2#



#4
 Chloromethane
 Concen: 0.628 ppbv
 RT: 3.17 min Scan# 74
 Delta R.T. 0.00 min
 Lab File: VL033047.D
 Acq: 21 Dec 2018 9:31

Tgt Ion: 50 Resp: 27676
 Ion Ratio Lower Upper
 50 100
 52 29.1 27.3 40.9





#7

Chloroethane

Concen: 0.061 ppbv

RT: 3.61 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL033047.D

Acq: 21 Dec 2018 9:31

Instrument :

MSVOA_L

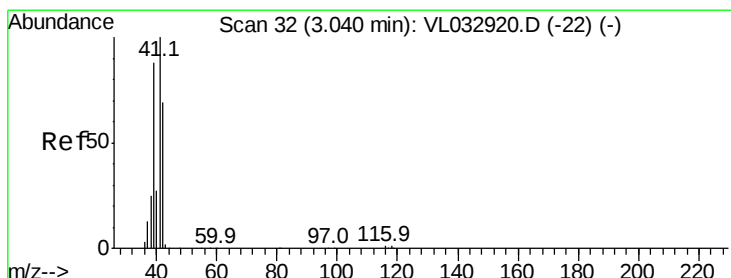
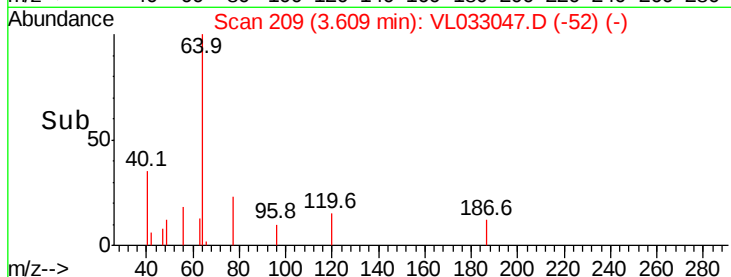
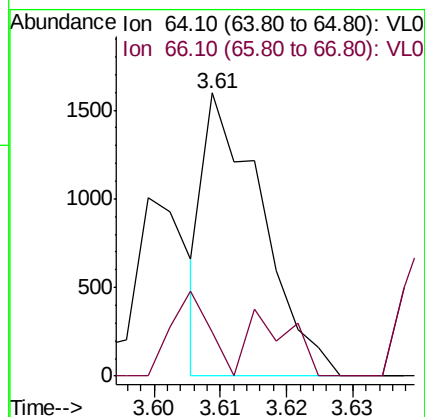
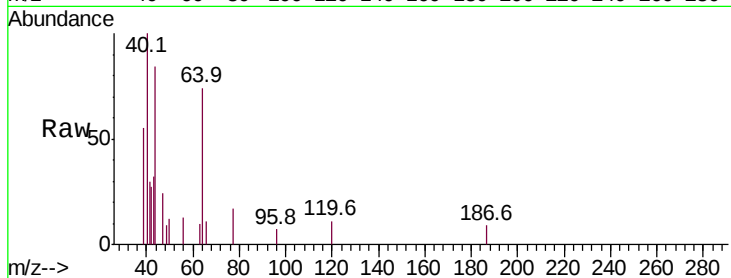
ClientSampled :

Tot Ion: 64 Resp: 973

Ion Ratio Lower Upper

64 100

66 15.5 26.6 40.0#



#9

Propene

Concen: 30.164 ppbv

RT: 3.24 min Scan# 95

Delta R.T. 0.20 min

Lab File: VL033047.D

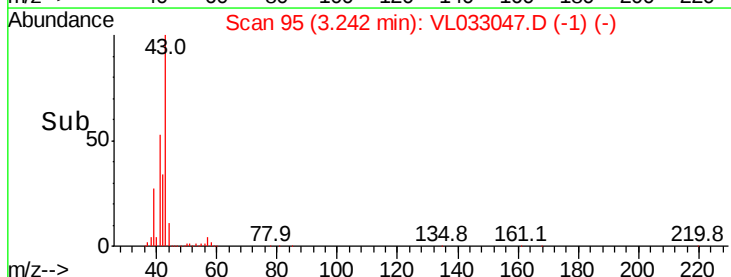
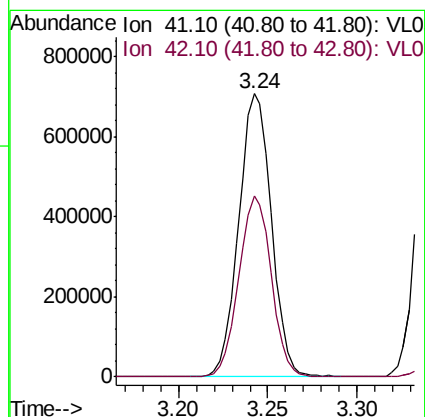
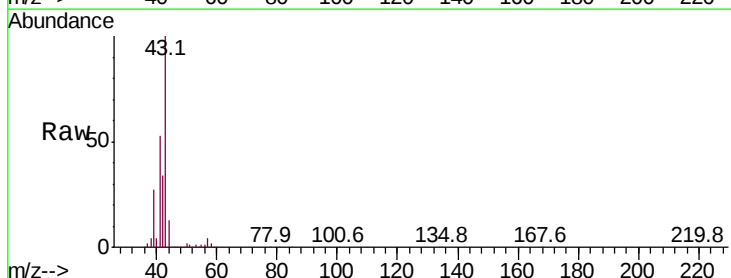
Acq: 21 Dec 2018 9:31

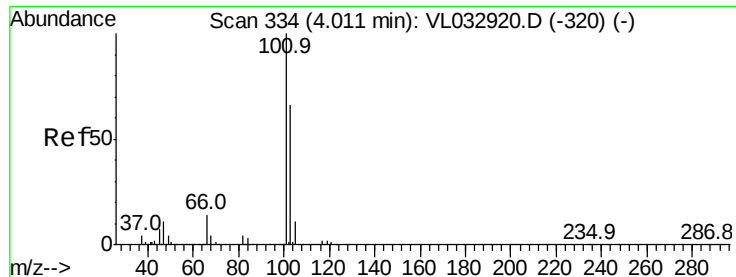
Tgt Ion: 41 Resp: 902825

Ion Ratio Lower Upper

41 100

42 63.5 56.2 84.2

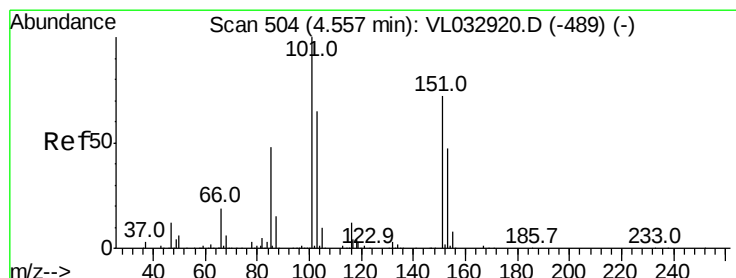
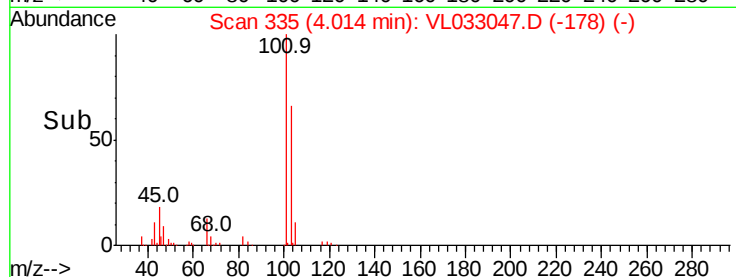
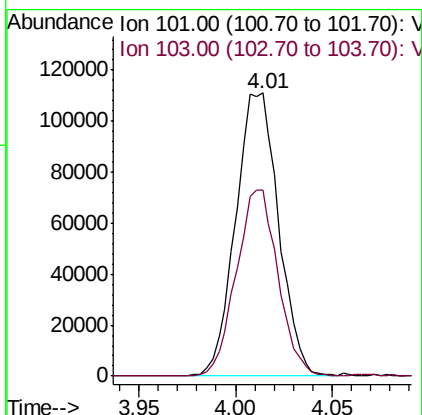
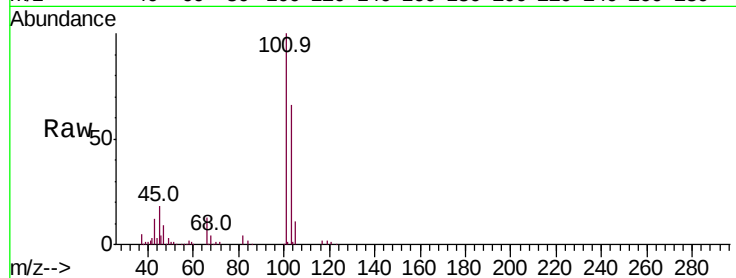




#11
 Trichlorofluoromethane
 Concen: 1.367 ppbv
 RT: 4.01 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VL033047.D
 Acq: 21 Dec 2018 9:31

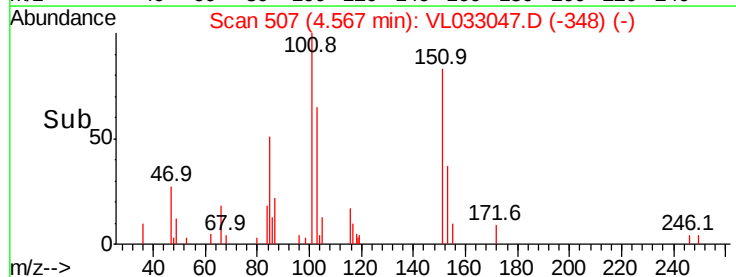
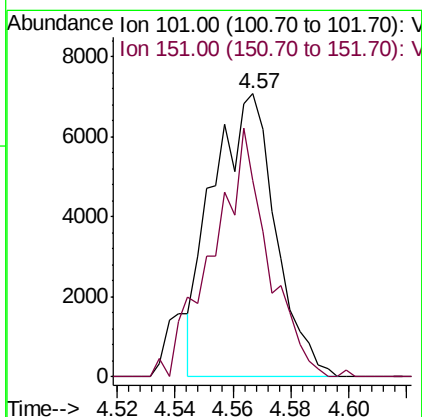
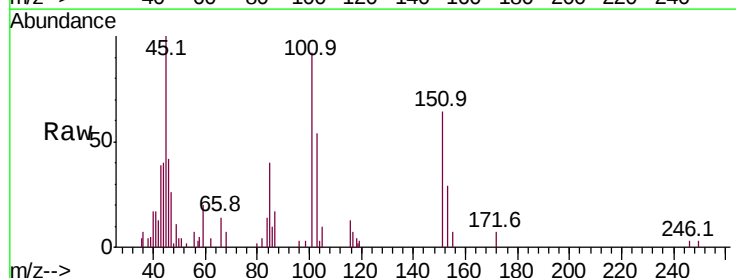
Instrument :
 MSVOA_L
 ClientSampleId :

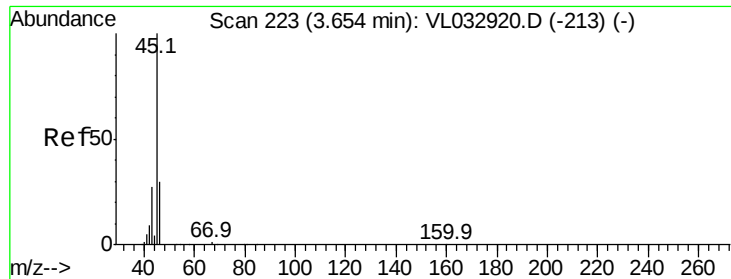
Tot Ion:101 Resp: 171825
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.7 79.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.100 ppbv
 RT: 4.57 min Scan# 507
 Delta R.T. 0.01 min
 Lab File: VL033047.D
 Acq: 21 Dec 2018 9:31

Tgt Ion:101 Resp: 10680
 Ion Ratio Lower Upper
 101 100
 151 77.2 59.3 88.9





#13

Ethanol

Concen: 350.664 ppbv

RT: 3.67 min Scan# 227

Delta R.T. 0.01 min

Lab File: VL033047.D

Acq: 21 Dec 2018 9:31

Instrument :

MSVOA_L

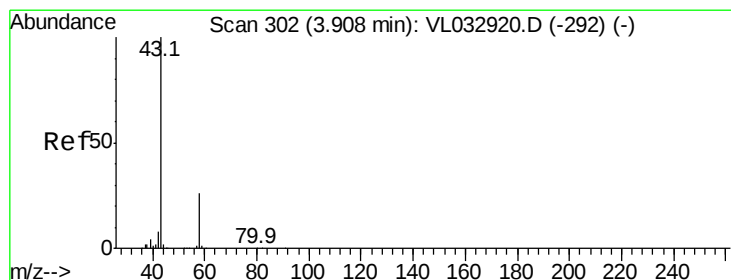
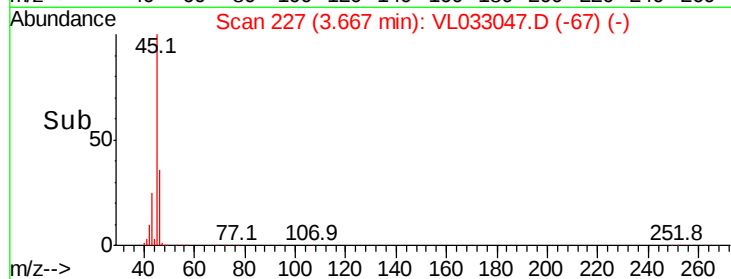
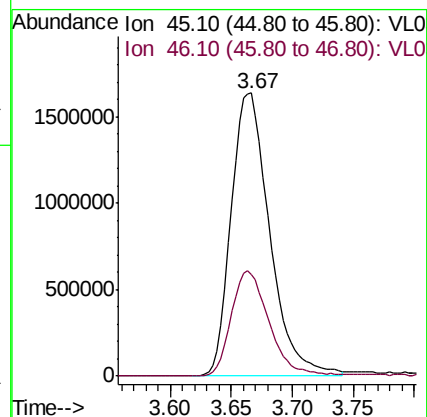
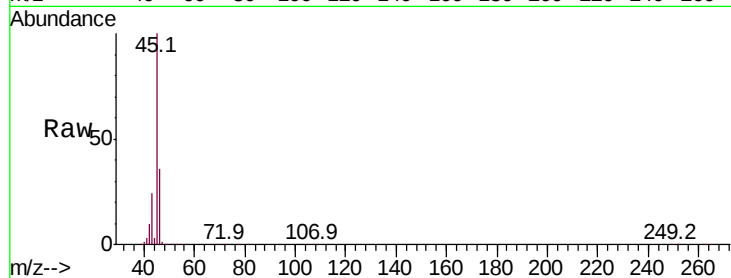
ClientSampleId :

Tot Ion: 45 Resp: 3613670

Ion Ratio Lower Upper

45 100

46 37.1 13.8 55.4



#15

Acetone

Concen: 76.584 ppbv

RT: 3.90 min Scan# 301

Delta R.T. -0.00 min

Lab File: VL033047.D

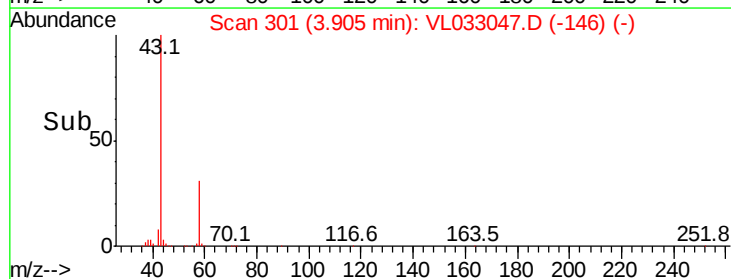
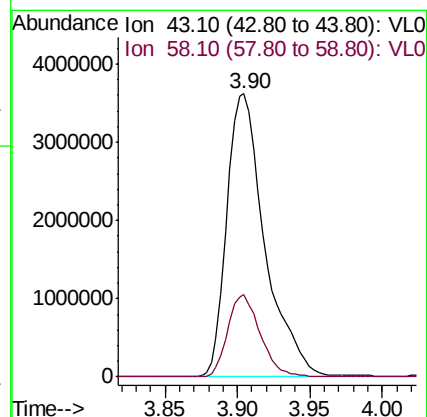
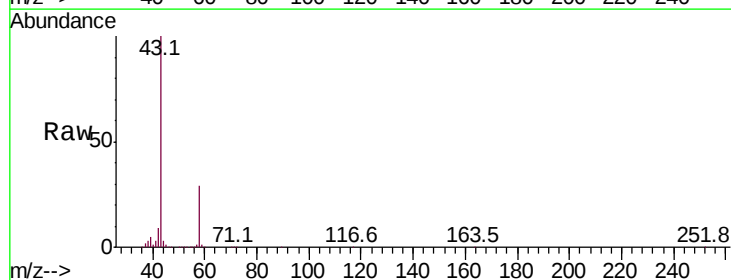
Acq: 21 Dec 2018 9:31

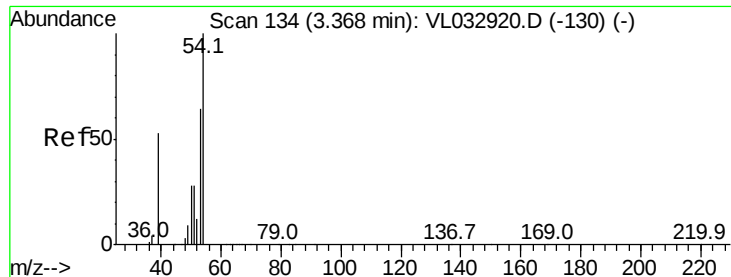
Tgt Ion: 43 Resp: 6569968

Ion Ratio Lower Upper

43 100

58 24.9 20.6 30.8

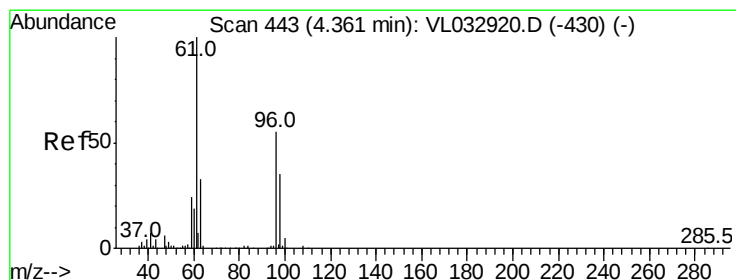
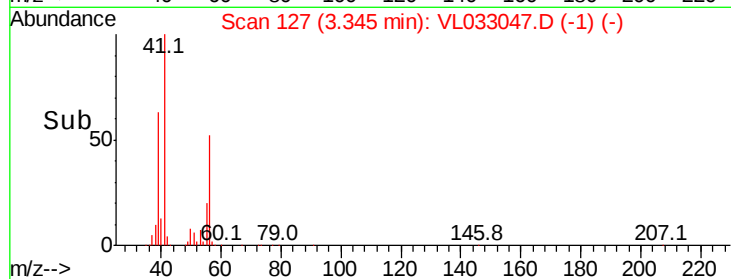
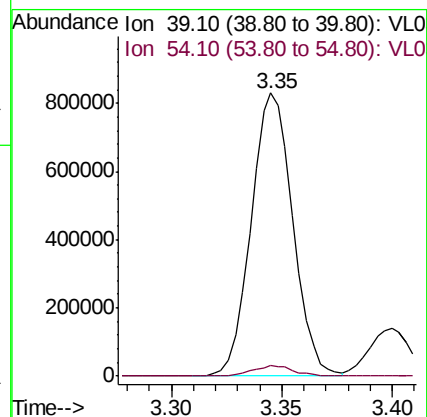
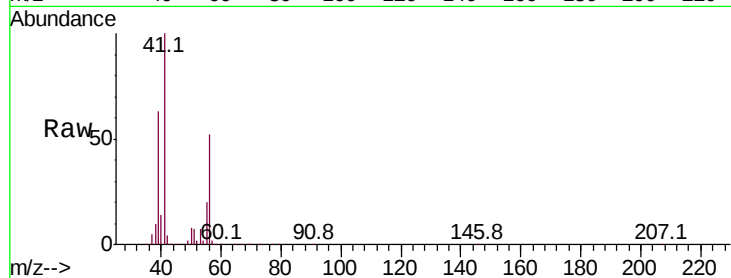




#16
 1,3-Butadiene
 Concen: 31.899 ppbv
 RT: 3.35 min Scan# 127
 Delta R.T. -0.02 min
 Lab File: VL033047.D
 Acq: 21 Dec 2018 9:31

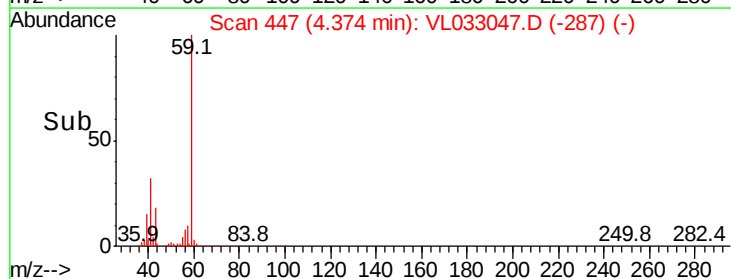
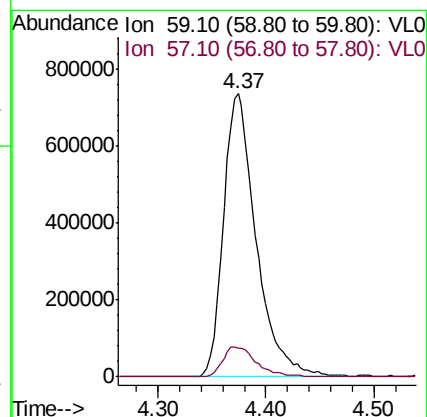
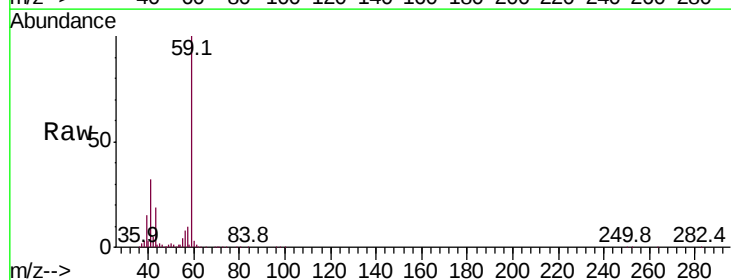
Instrument :
 MSVOA_L
 ClientSampleId :

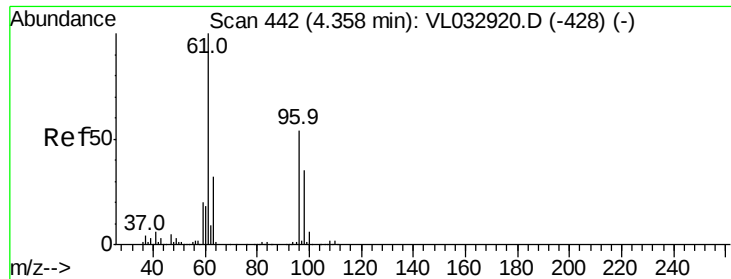
Tot Ion: 39 Resp: 1085691
 Ion Ratio Lower Upper
 39 100
 54 3.7 72.7 109.1#



#17
 tert-Butyl alcohol
 Concen: 70.982 ppbv
 RT: 4.37 min Scan# 447
 Delta R.T. 0.01 min
 Lab File: VL033047.D
 Acq: 21 Dec 2018 9:31

Tgt Ion: 59 Resp: 1550365
 Ion Ratio Lower Upper
 59 100
 57 11.2 0.6 1.0#





#18

1,1-Dichloroethene

Concen: 0.085 ppbv

RT: 4.36 min Scan# 443

Delta R.T. 0.00 min

Lab File: VL033047.D

Acq: 21 Dec 2018 9:31

Instrument :

MSVOA_L

ClientSampleId :

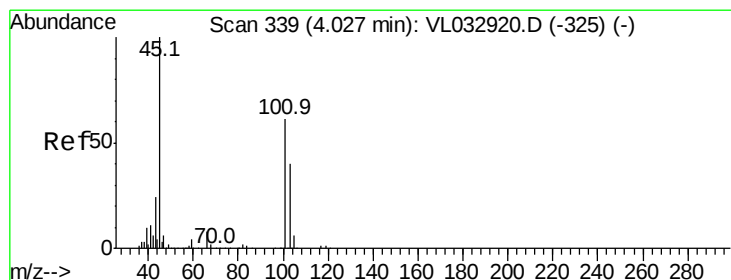
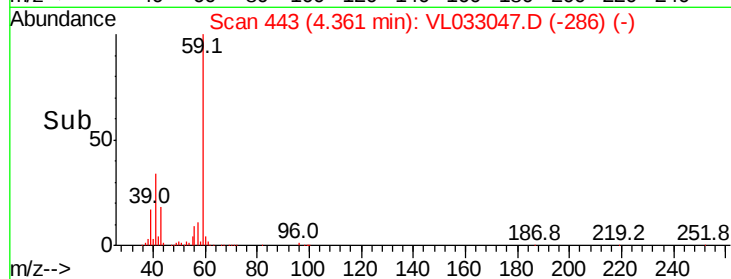
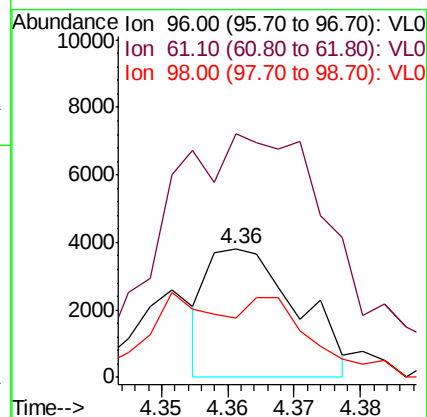
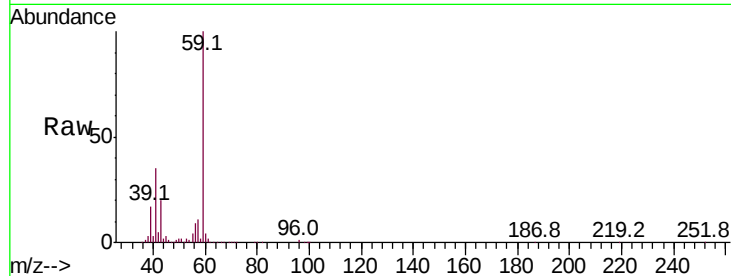
Tot Ion: 96 Resp: 3572

Ion Ratio Lower Upper

96 100

61 97.2 147.0 220.4#

98 37.9 50.7 76.1#



#19

Isopropyl Alcohol

Concen: 6.575 ppbv

RT: 4.04 min Scan# 344

Delta R.T. 0.02 min

Lab File: VL033047.D

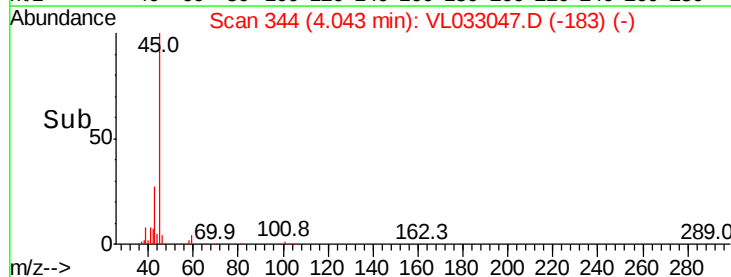
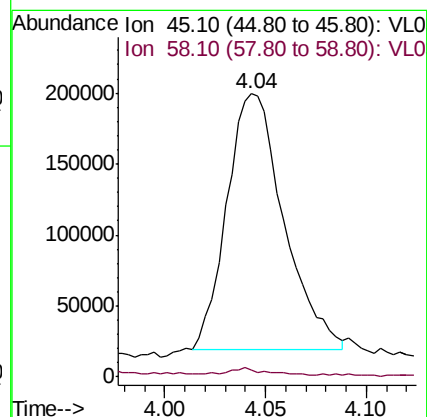
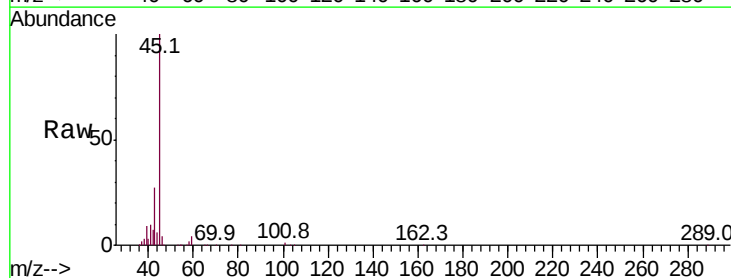
Acq: 21 Dec 2018 9:31

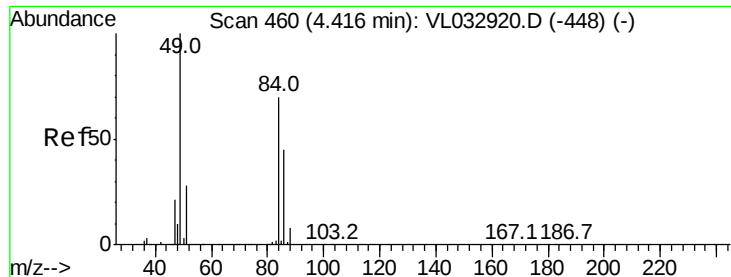
Tgt Ion: 45 Resp: 354244

Ion Ratio Lower Upper

45 100

58 462.1 1.4 2.2#



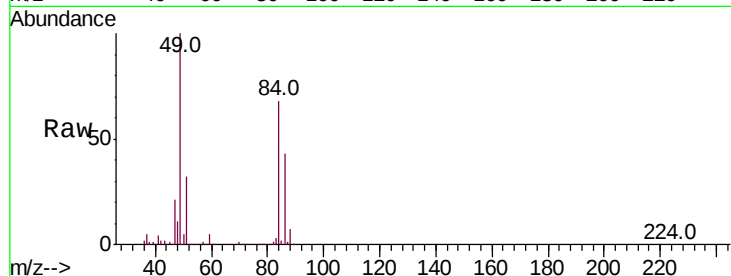


#20
Methvlene Chloride
Concen: 33.348 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL033047.D
Acq: 21 Dec 2018 9:31

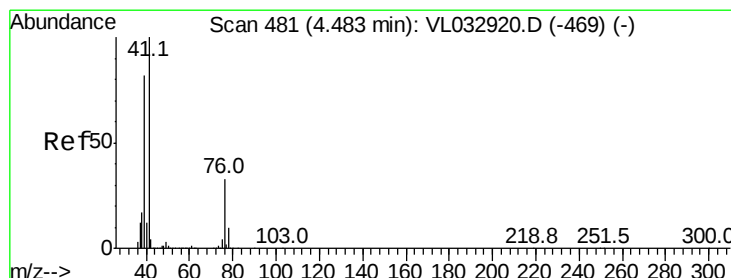
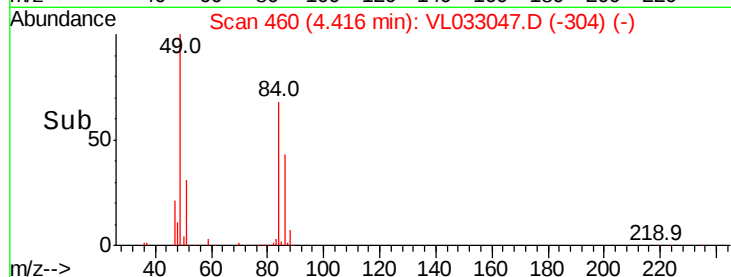
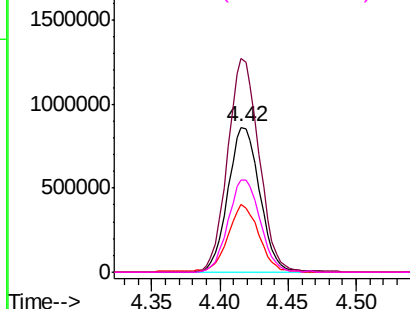
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 1398249

Ion	Ratio	Lower	Upper
84	100		
49	147.2	113.8	170.8
51	46.5	31.8	47.8
86	63.7	50.8	76.2



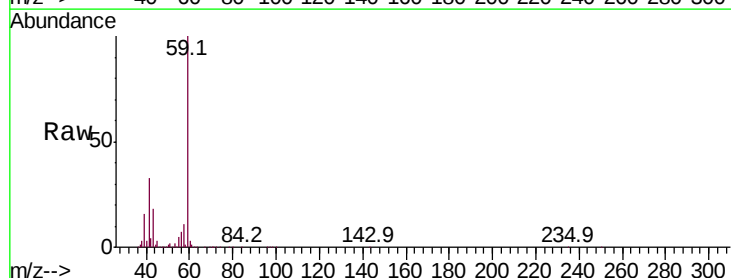
Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0



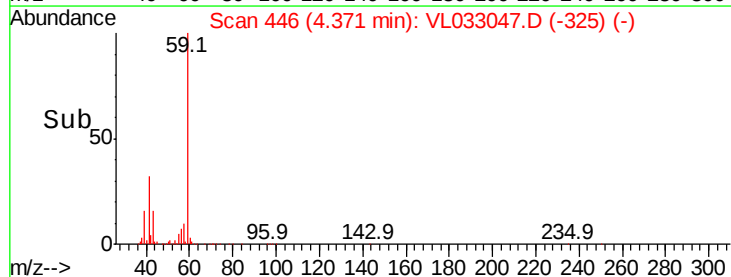
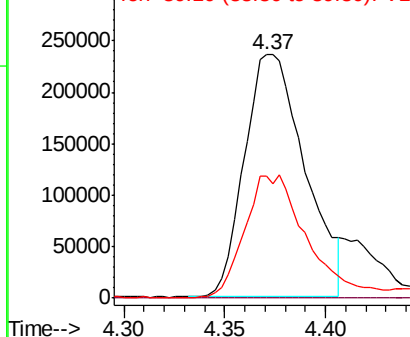
#21
Allyl Chloride
Concen: 7.057 ppbv
RT: 4.37 min Scan# 446
Delta R.T. -0.11 min
Lab File: VL033047.D
Acq: 21 Dec 2018 9:31

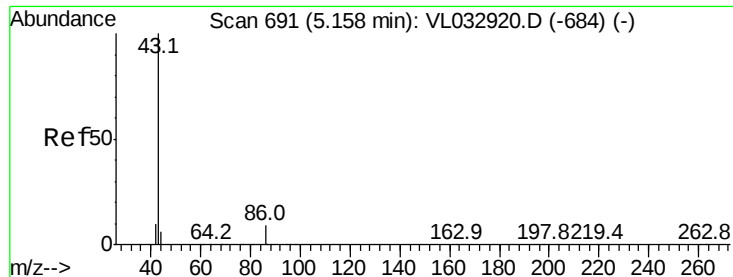
Tgt Ion: 41 Resp: 493349

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.2	37.8#
39	54.0	65.2	97.8#



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





#23

Vinyl Acetate

Concen: 18.066 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.01 min

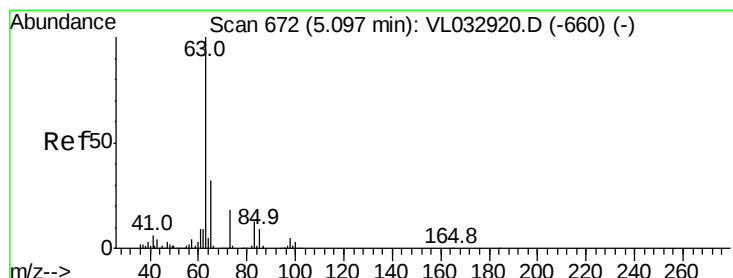
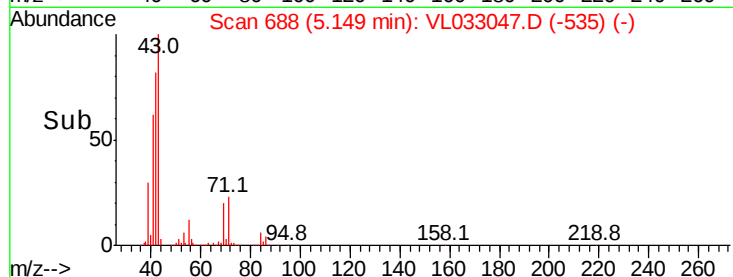
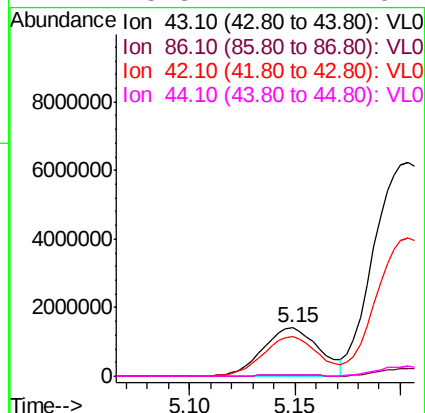
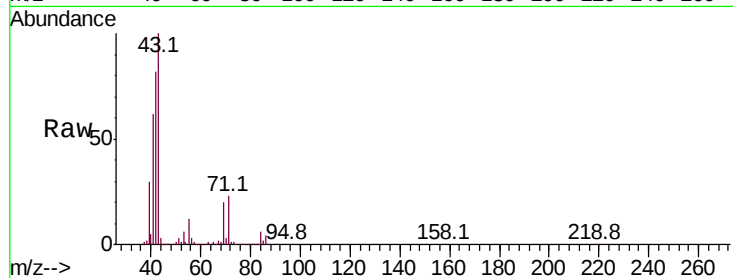
Lab File: VL033047.D

Acq: 21 Dec 2018 9:31

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 2624094

Ion	Ratio	Lower	Upper
43	100		
86	3.8	6.6	9.8#
42	81.9	8.3	12.5#
44	3.3	4.2	6.4#



#24

1,1-Dichloroethane

Concen: 0.051 ppbv

RT: 5.14 min Scan# 686

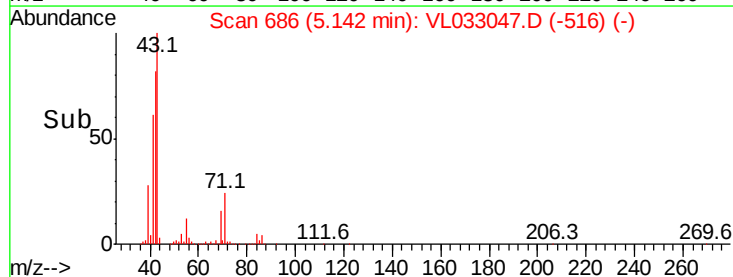
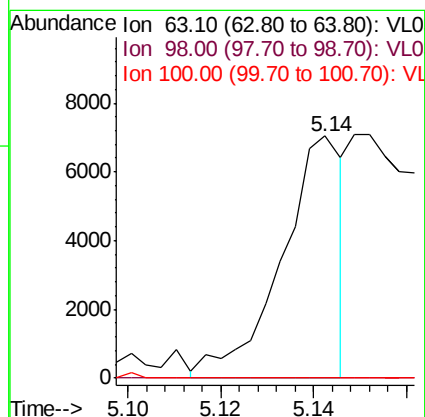
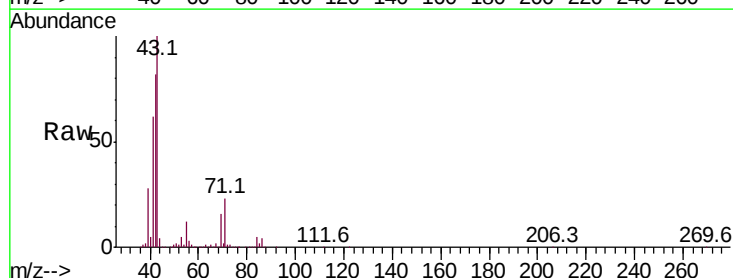
Delta R.T. 0.05 min

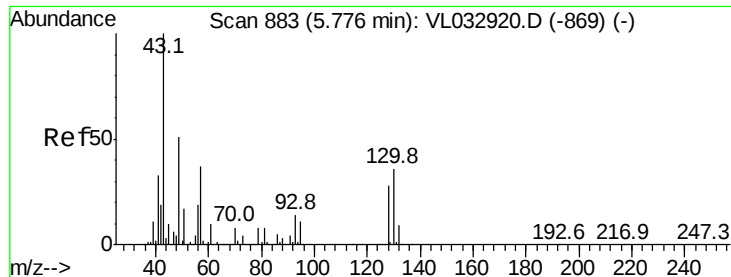
Lab File: VL033047.D

Acq: 21 Dec 2018 9:31

Tgt Ion: 63 Resp: 6422

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.5	7.5#
100	0.0	1.4	4.2#

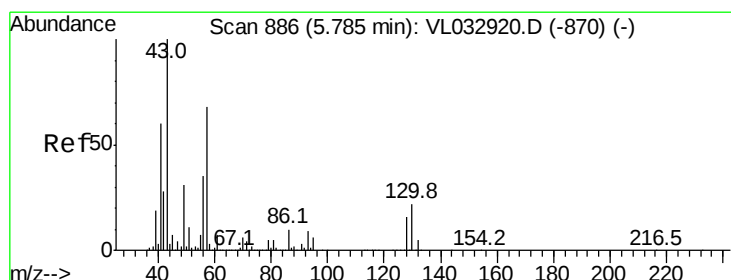
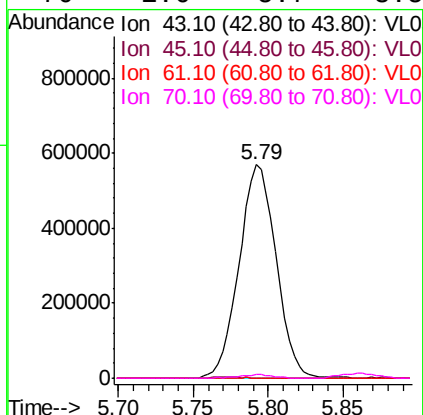
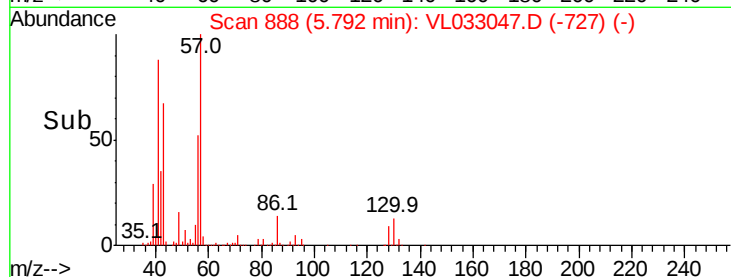
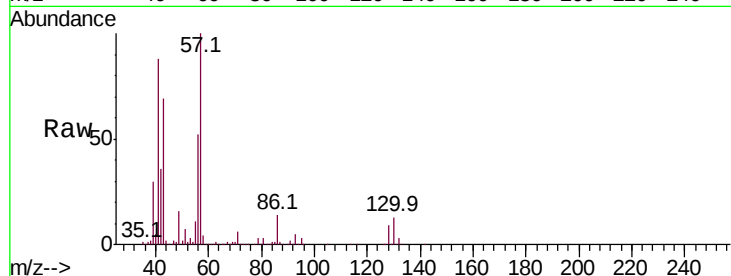




#25
Ethyl Acetate
Concen: 4.816 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.02 min
Lab File: VL033047.D
Acq: 21 Dec 2018 9:31

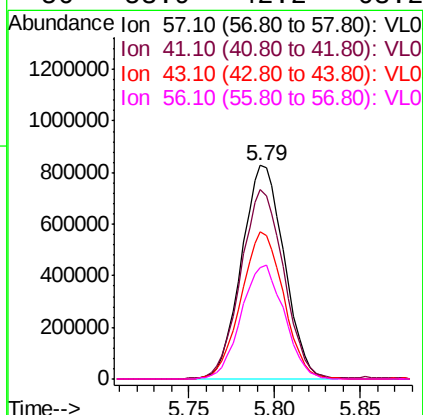
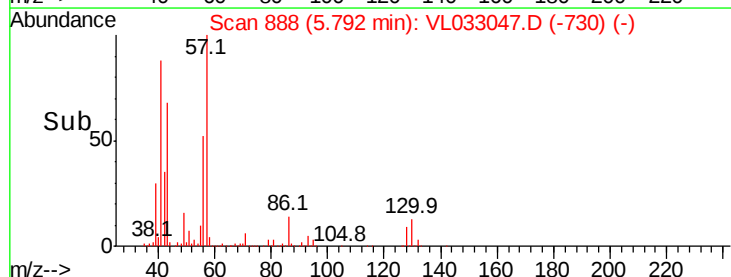
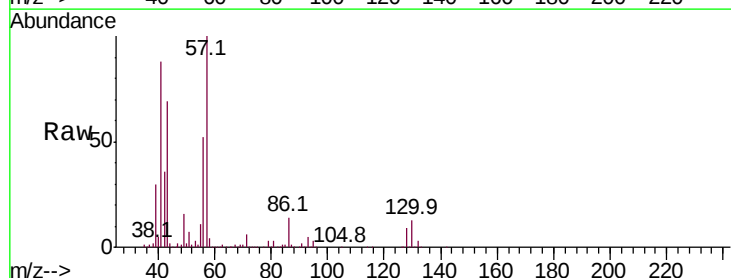
Instrument :
MSVOA_L
ClientSampleId :

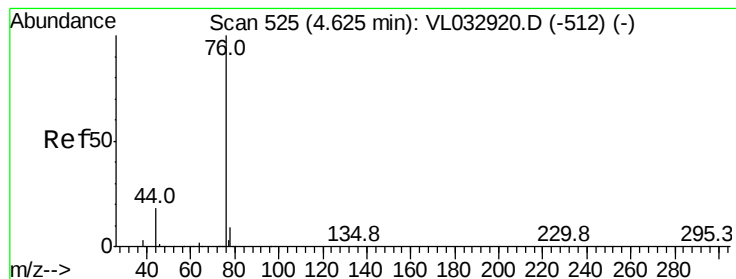
Tot Ion:	43	Resp:	976053
Ion	Ratio	Lower	Upper
43	100		
45	0.6	7.8	11.6#
61	0.4	7.4	11.2#
70	1.6	5.7	8.5#



#26
Hexane
Concen: 15.237 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.01 min
Lab File: VL033047.D
Acq: 21 Dec 2018 9:31

Tgt Ion:	57	Resp:	1425657
Ion	Ratio	Lower	Upper
57	100		
41	89.8	72.2	108.2
43	68.9	171.9	257.9#
56	53.9	42.2	63.2





#27

Carbon Disulfide

Concen: 4.189 ppbv

RT: 4.63 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL033047.D

Acq: 21 Dec 2018 9:31

Instrument :

MSVOA_L

ClientSampled :

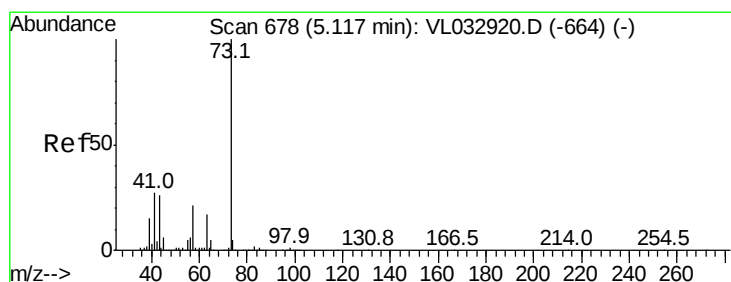
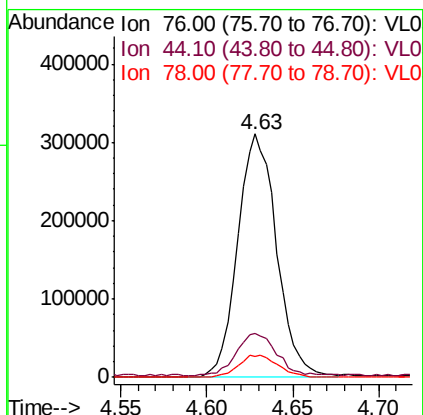
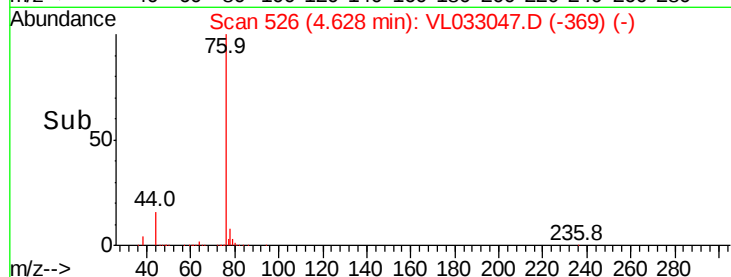
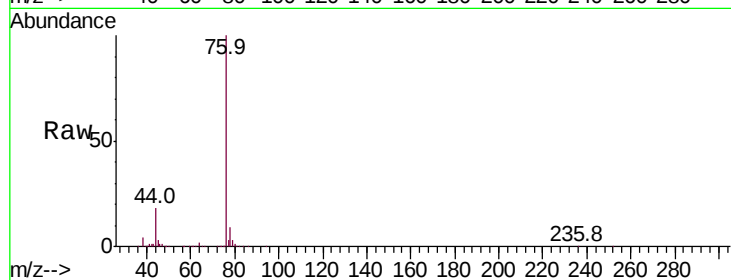
Tot Ion: 76 Resp: 490043

Ion Ratio Lower Upper

76 100

44 18.6 14.7 22.1

78 9.5 7.4 11.2



#28

Methyl tert-Butyl Ether

Concen: 0.403 ppbv

RT: 5.13 min Scan# 681

Delta R.T. 0.01 min

Lab File: VL033047.D

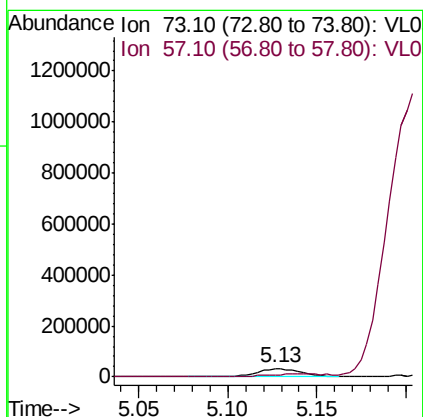
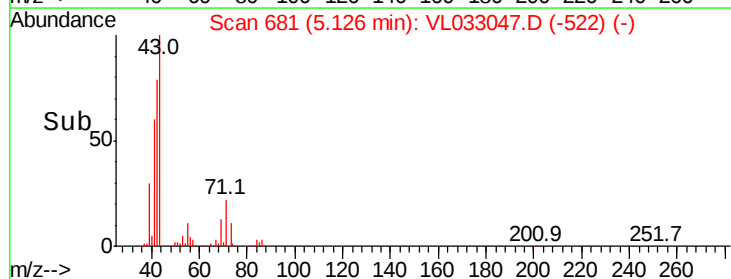
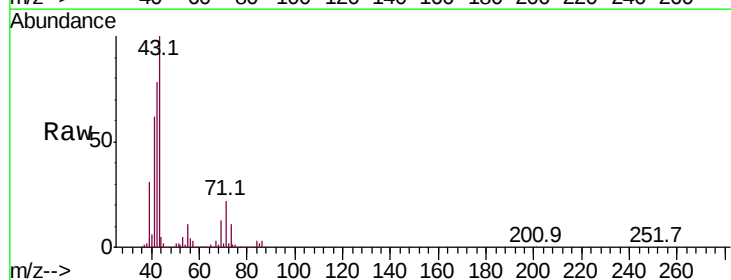
Acq: 21 Dec 2018 9:31

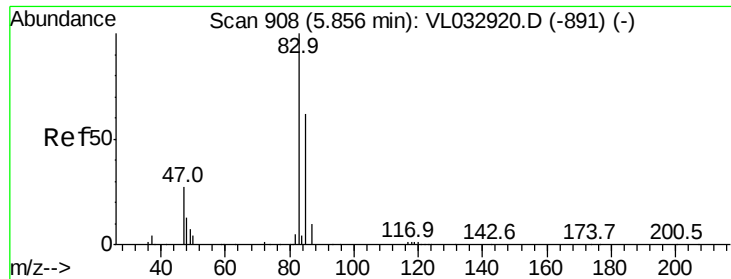
Tgt Ion: 73 Resp: 56587

Ion Ratio Lower Upper

73 100

57 0.0 17.4 26.0#





#29

Chloroform

Concen: 13.234 ppbv

RT: 5.86 min Scan# 909

Delta R.T. 0.00 min

Lab File: VL033047.D

Acq: 21 Dec 2018 9:31

Instrument :

MSVOA_L

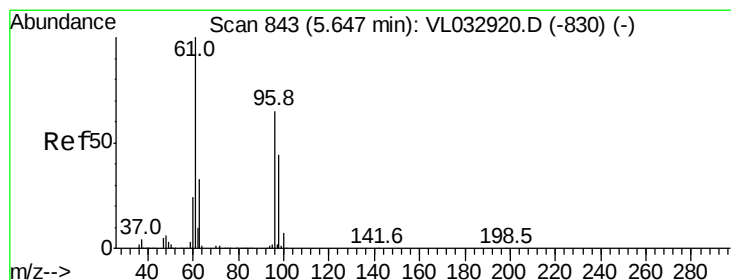
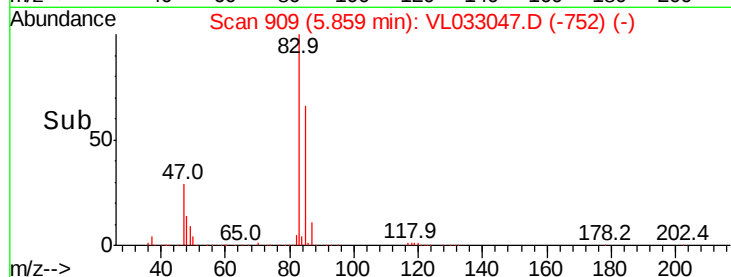
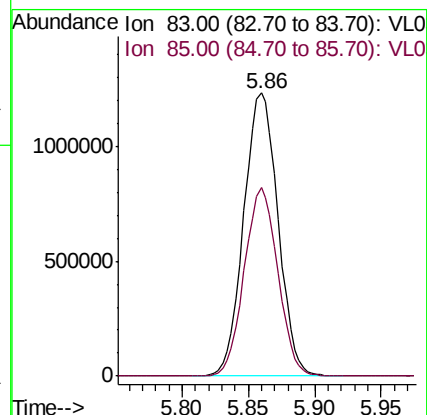
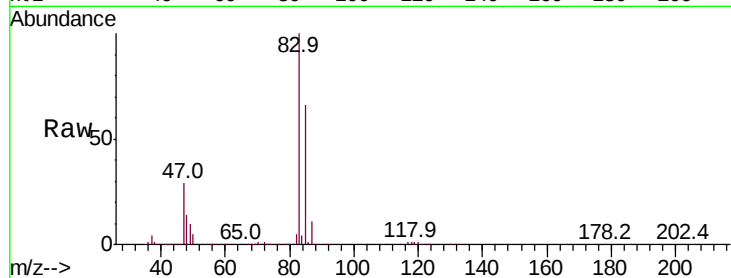
ClientSampled :

Tot Ion: 83 Resp: 2209401

Ion Ratio Lower Upper

83 100

85 66.3 49.8 74.8



#31

cis-1,2-Dichloroethene

Concen: 1.641 ppbv

RT: 5.65 min Scan# 845

Delta R.T. 0.01 min

Lab File: VL033047.D

Acq: 21 Dec 2018 9:31

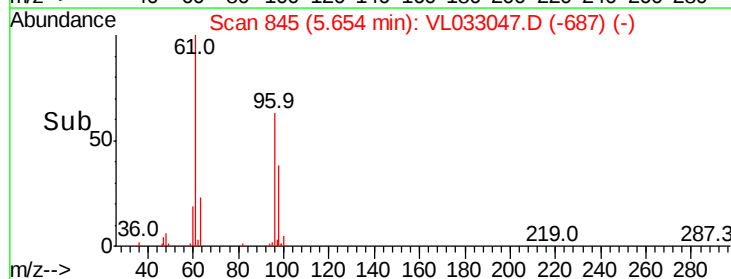
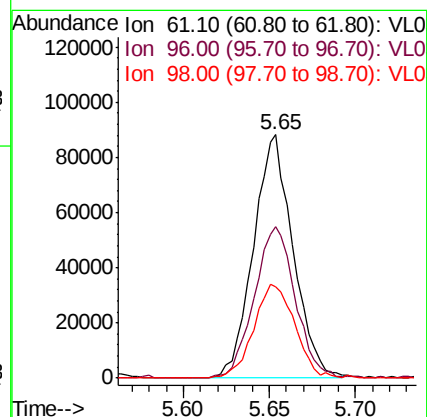
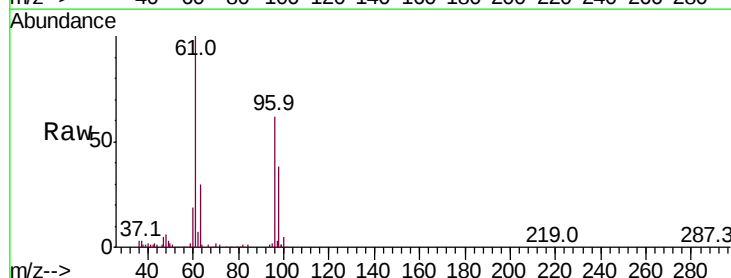
Tgt Ion: 61 Resp: 140896

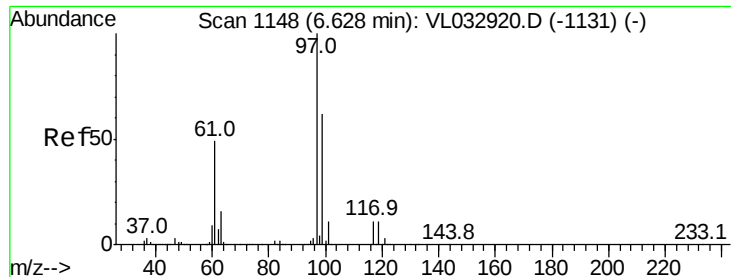
Ion Ratio Lower Upper

61 100

96 62.0 51.9 77.9

98 38.4 35.0 52.4





#32

1,1,1-Trichloroethane

Concen: 0.033 ppbv

RT: 6.62 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VL033047.D

Acq: 21 Dec 2018 9:31

Instrument :

MSVOA_L

ClientSampleId :

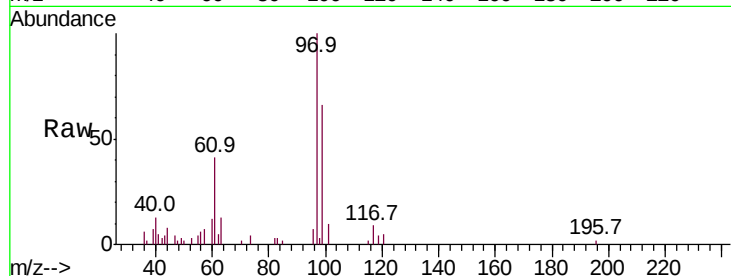
Tot Ion: 97 Resp: 5829

Ion Ratio Lower Upper

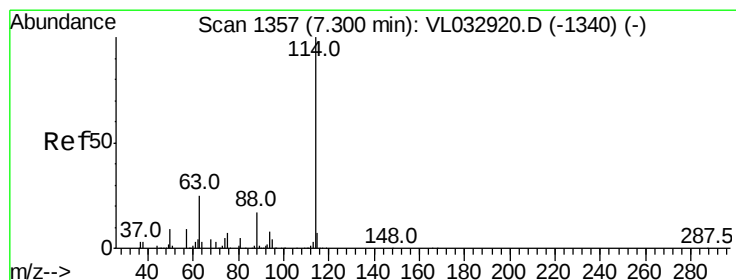
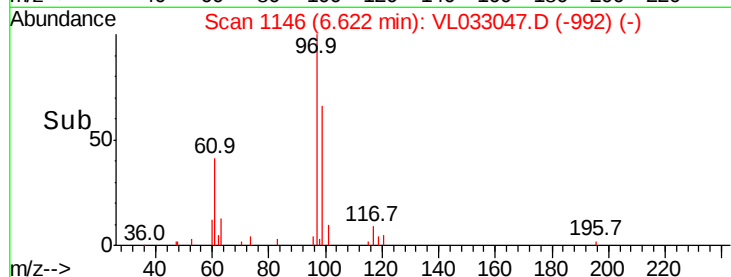
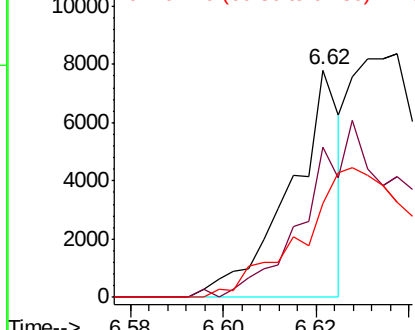
97 100

99 160.8 51.1 76.7#

61 138.2 39.3 58.9#



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: 7.30 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VL033047.D

Acq: 21 Dec 2018 9:31

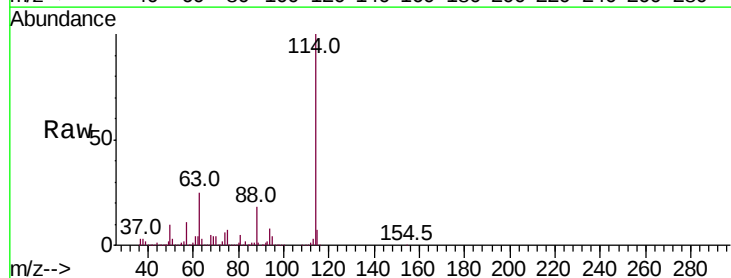
Tgt Ion: 114 Resp: 2319800

Ion Ratio Lower Upper

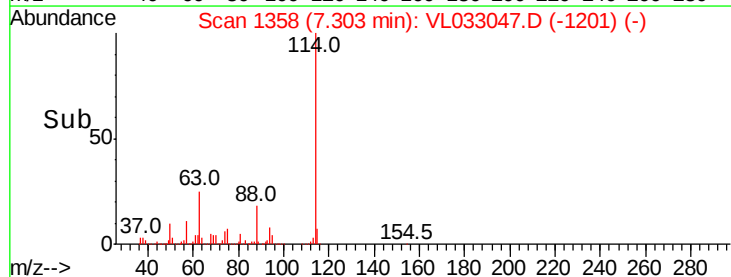
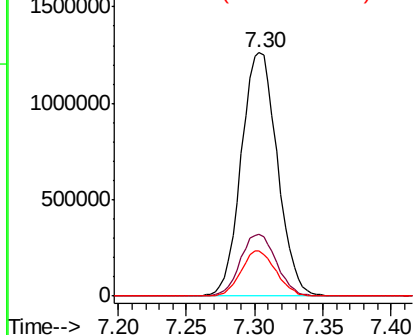
114 100

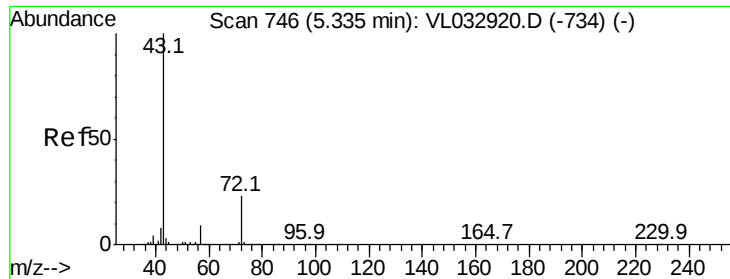
63 25.3 20.1 30.1

88 18.1 14.2 21.4



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

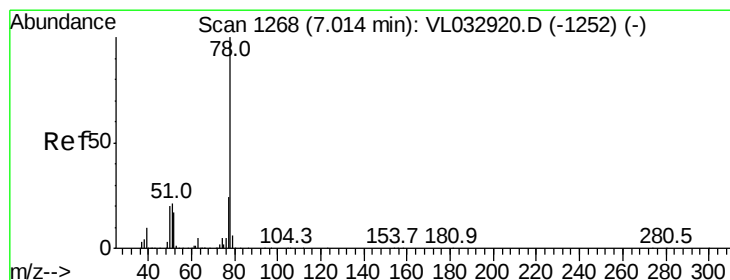
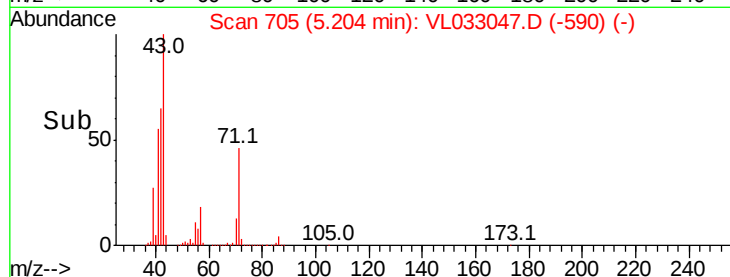
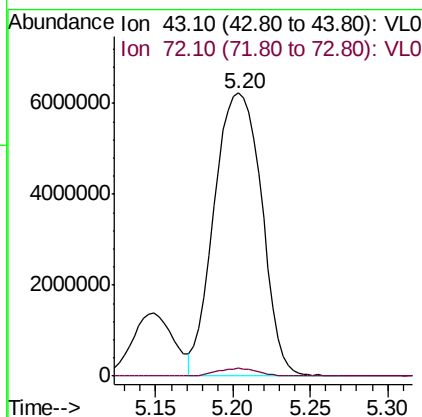
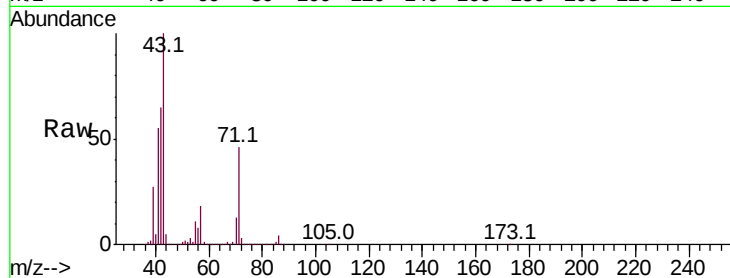




#34
2-Butanone
Concen: 131.148 ppbv
RT: 5.20 min Scan# 705
Delta R.T. -0.13 min
Lab File: VL033047.D
Acq: 21 Dec 2018 9:31

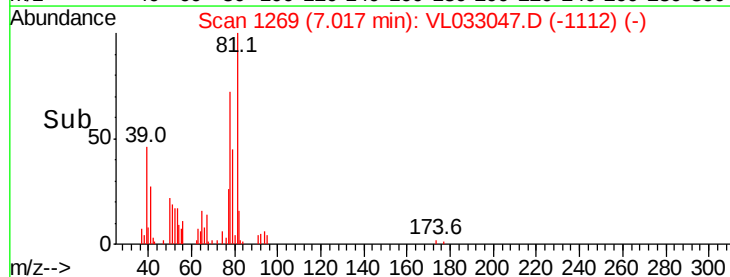
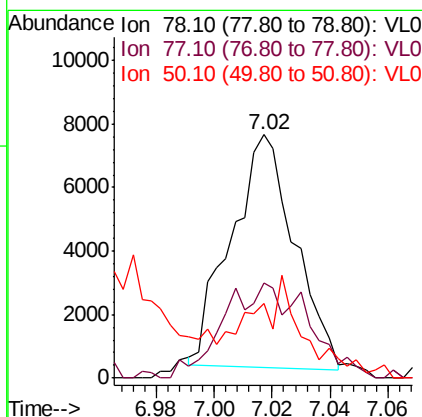
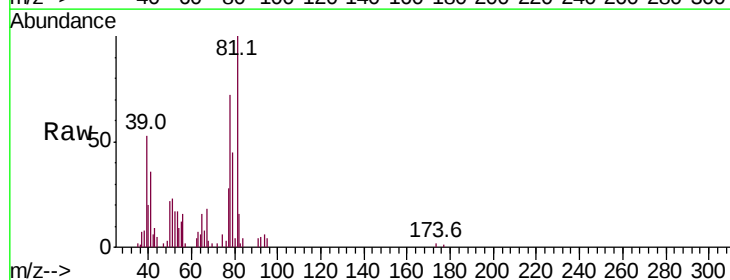
Instrument :
MSVOA_L
ClientSampleId :

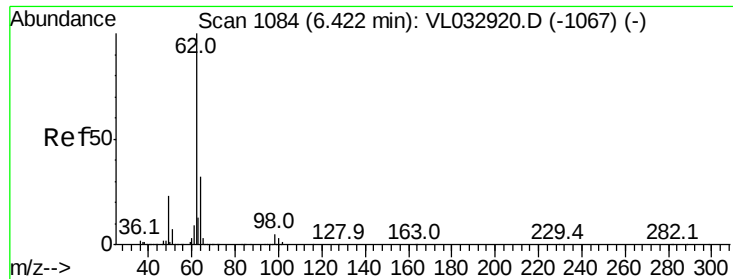
Tot Ion: 43 Resp:13252016
Ion Ratio Lower Upper
43 100
72 2.5 18.8 28.2#



#36
Benzene
Concen: 0.065 ppbv
RT: 7.02 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VL033047.D
Acq: 21 Dec 2018 9:31

Tgt Ion: 78 Resp: 11167
Ion Ratio Lower Upper
78 100
77 35.6 18.9 28.3#
50 23.8 16.1 24.1

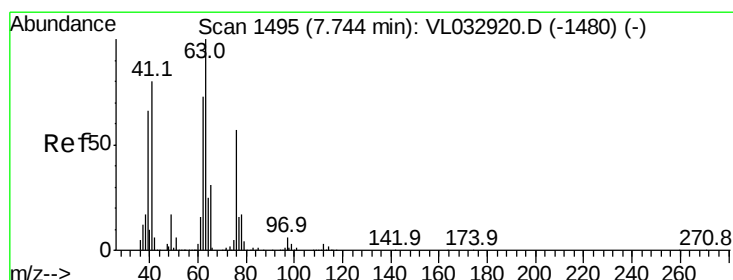
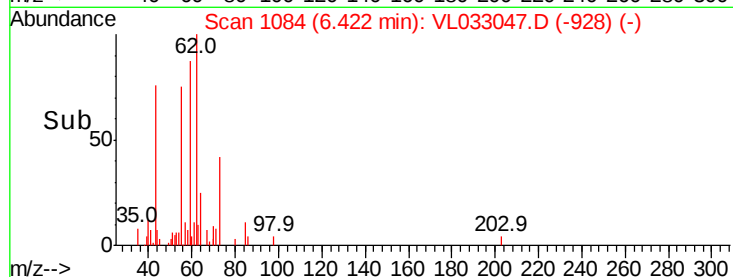
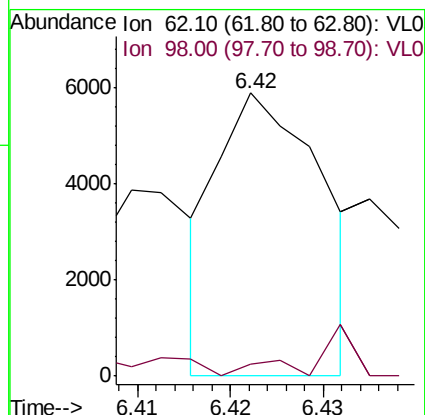
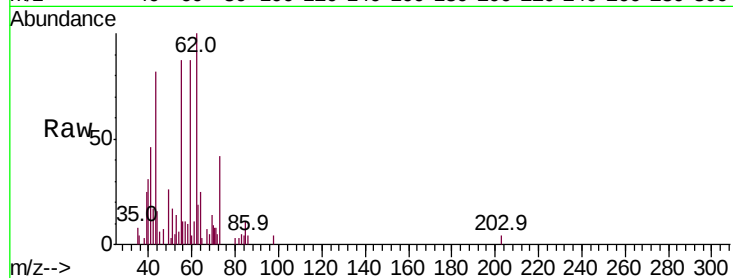




#37
 1,2-Dichloroethane
 Concen: 0.040 ppbv
 RT: 6.42 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: VL033047.D
 Acq: 21 Dec 2018 9:31

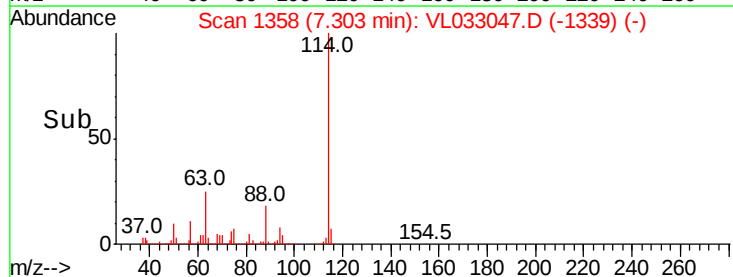
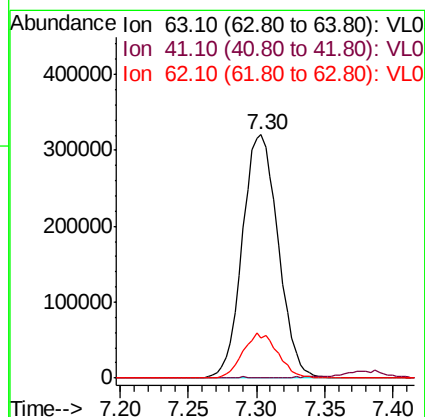
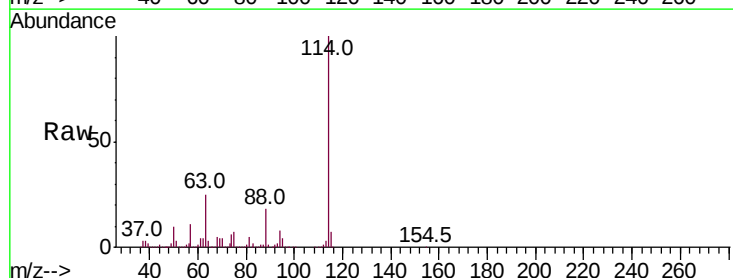
Instrument :
 MSVOA_L
 ClientSampleId :

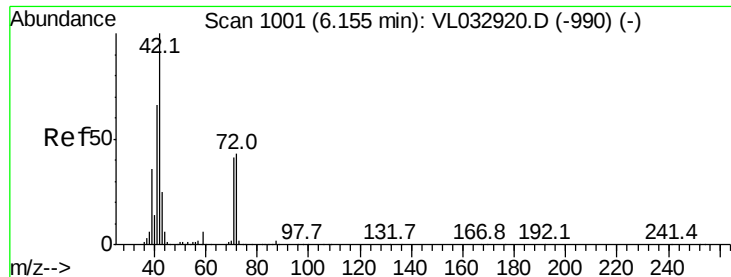
Tot Ion: 62 Resp: 4607
 Ion Ratio Lower Upper
 62 100
 98 0.0 4.3 6.5#



#39
 1,2-Dichloropropane
 Concen: 9.048 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. -0.44 min
 Lab File: VL033047.D
 Acq: 21 Dec 2018 9:31

Tgt Ion: 63 Resp: 585489
 Ion Ratio Lower Upper
 63 100
 41 0.1 63.9 95.9#
 62 16.3 58.8 88.2#

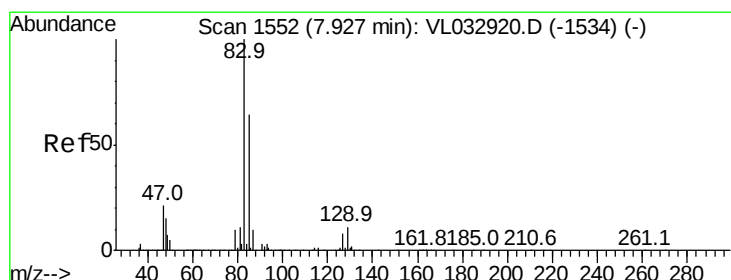
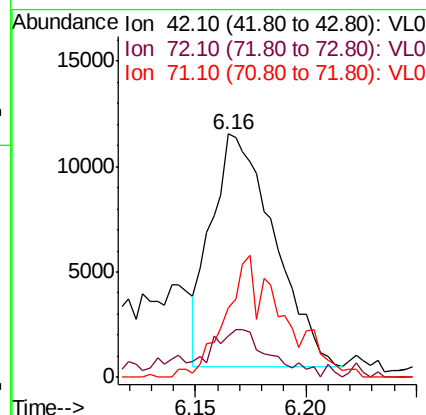
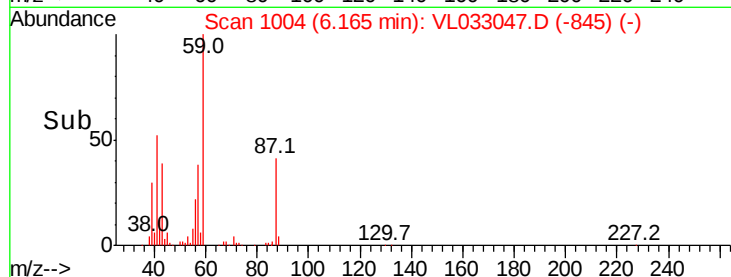
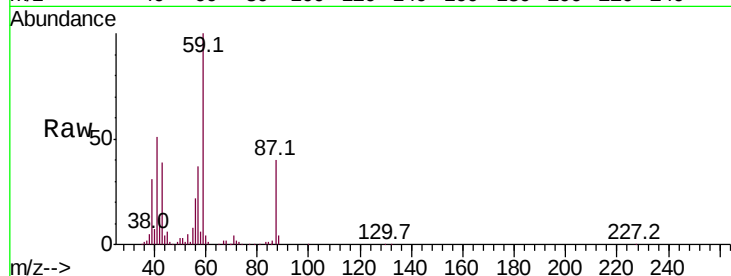




#41
Tetrahydrofuran
Concen: 0.347 ppbv
RT: 6.16 min Scan# 1004
Delta R.T. 0.01 min
Lab File: VL033047.D
Acq: 21 Dec 2018 9:31

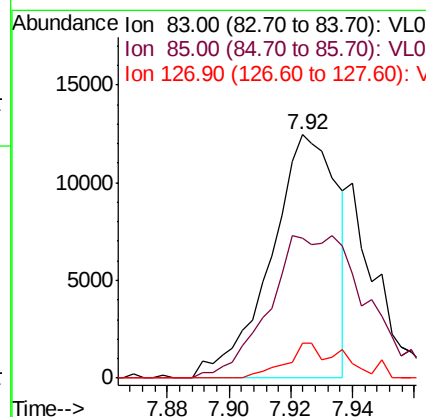
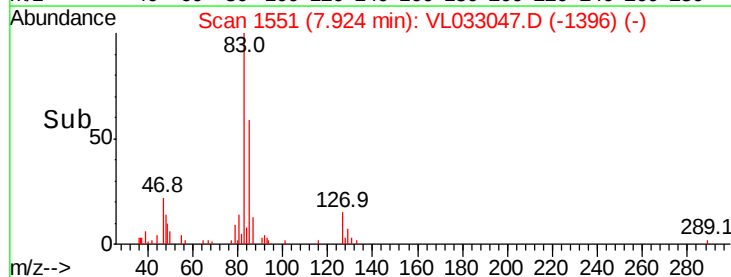
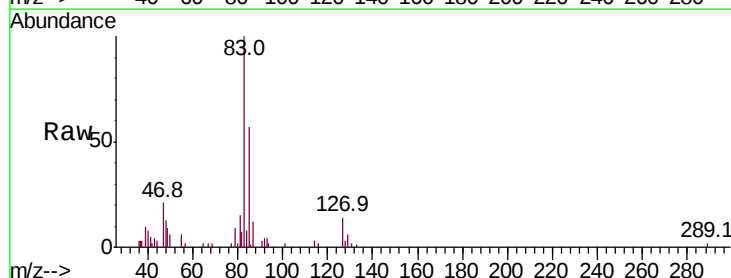
Instrument :
MSVOA_L
ClientSampled :

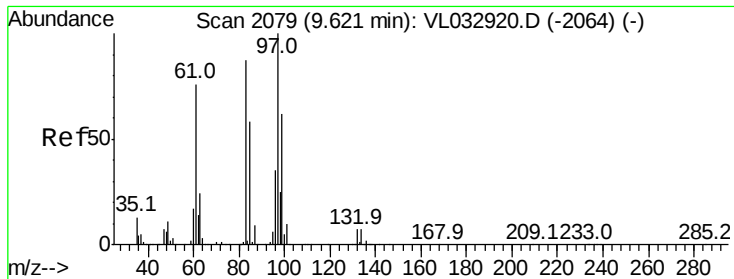
Tot Ion: 42 Resp: 21789
Ion Ratio Lower Upper
42 100
72 27.0 32.9 49.3#
71 48.7 32.0 48.0#



#42
Bromodichloromethane
Concen: 0.115 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL033047.D
Acq: 21 Dec 2018 9:31

Tgt Ion: 83 Resp: 18549
Ion Ratio Lower Upper
83 100
85 57.2 50.9 76.3
127 14.5 6.7 10.1#





#47

1,1,2-Trichloroethane

Concen: 0.037 ppbv

RT: 9.63 min Scan# 2082

Delta R.T. 0.01 min

Lab File: VL033047.D

Acq: 21 Dec 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 97 Resp: 2645

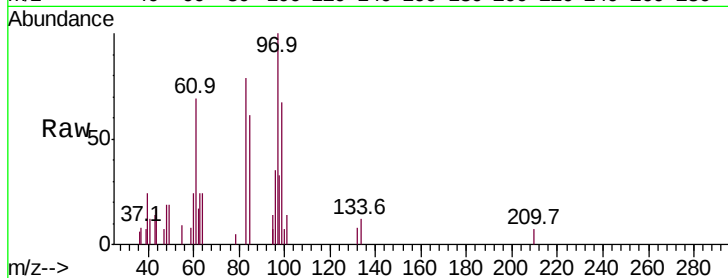
Ion Ratio Lower Upper

97 100

83 78.9 69.8 104.8

85 60.6 46.7 70.1

99 67.1 49.2 73.8

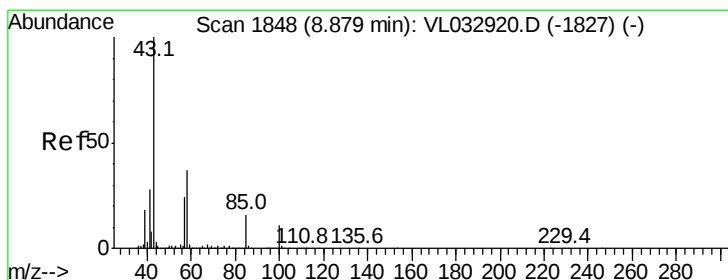
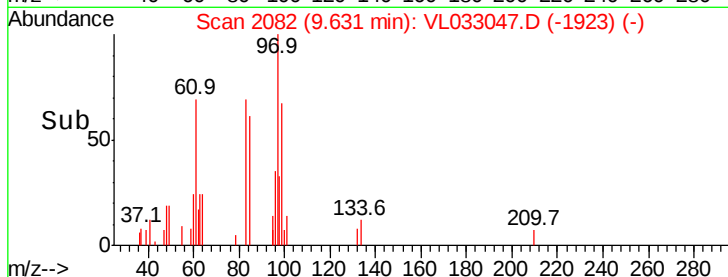
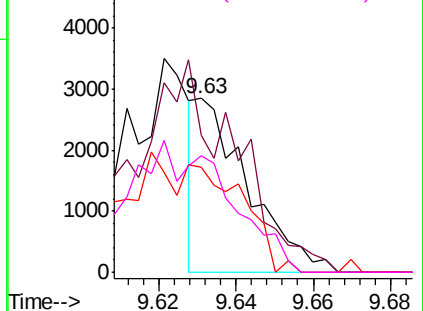


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#50

4-Methyl-2-Pentanone

Concen: 0.035 ppbv

RT: 8.89 min Scan# 1851

Delta R.T. 0.01 min

Lab File: VL033047.D

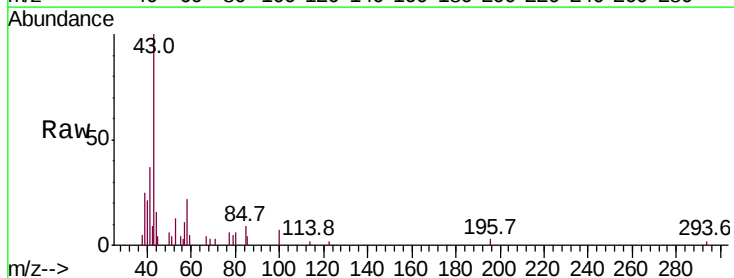
Acq: 21 Dec 2018 9:31

Tgt Ion: 43 Resp: 5720

Ion Ratio Lower Upper

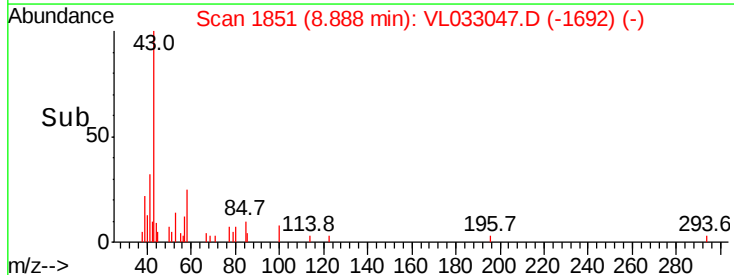
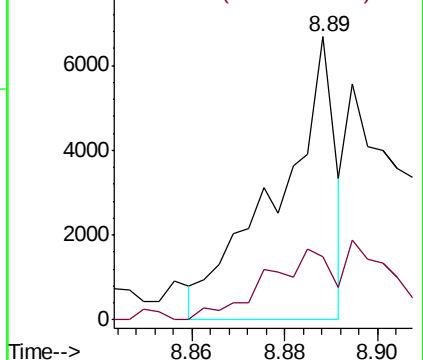
43 100

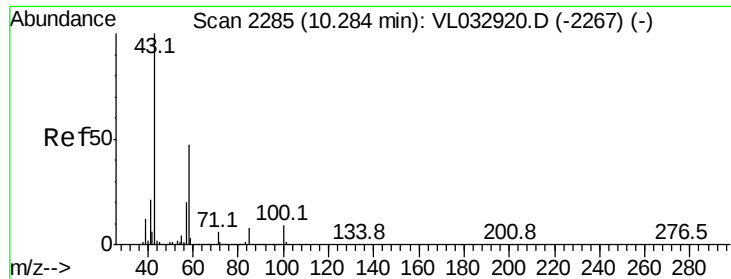
58 0.0 29.0 43.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

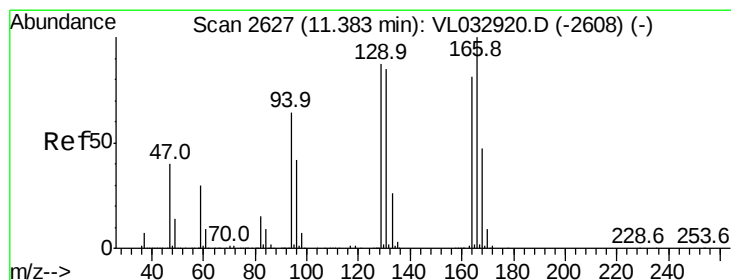
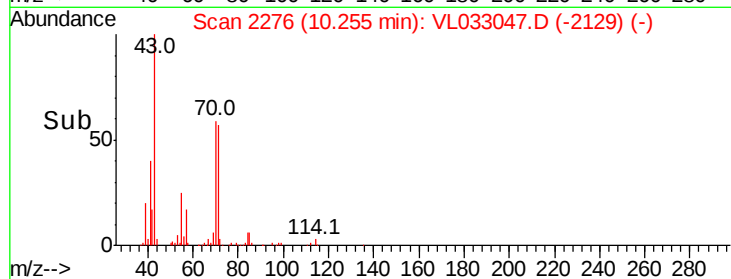
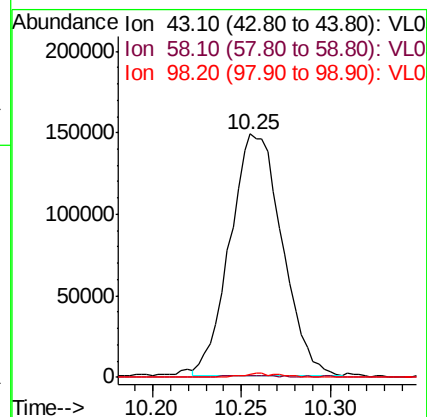
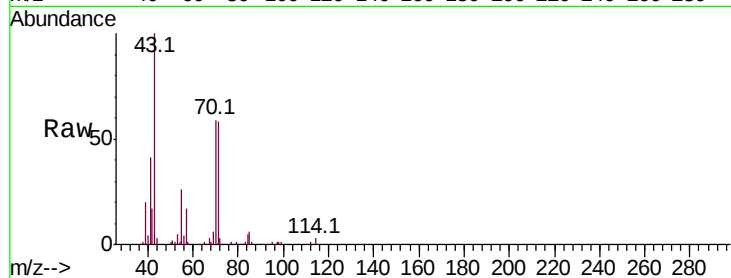




#51
2-Hexanone
Concen: 2.743 ppbv
RT: 10.25 min Scan# 2276
Delta R.T. -0.03 min
Lab File: VL033047.D
Acq: 21 Dec 2018 9:31

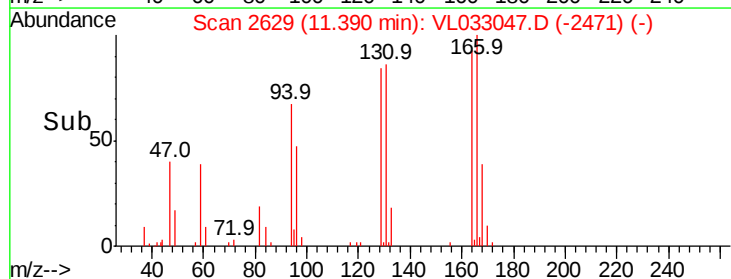
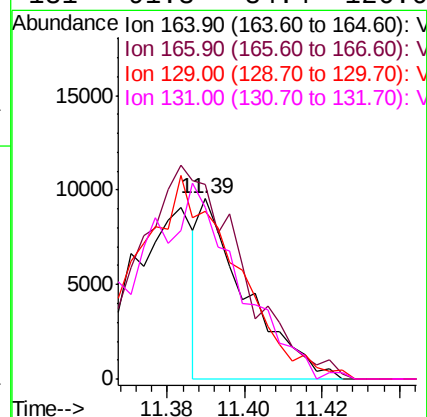
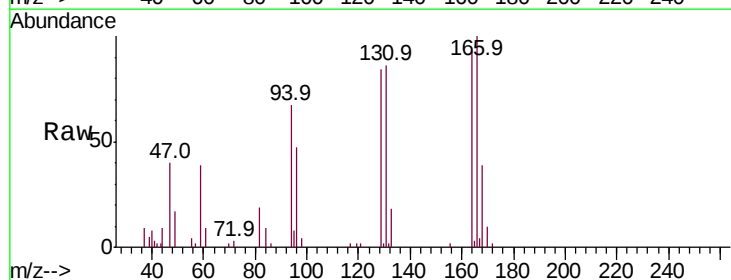
Instrument :
MSVOA_L
ClientSampleId :

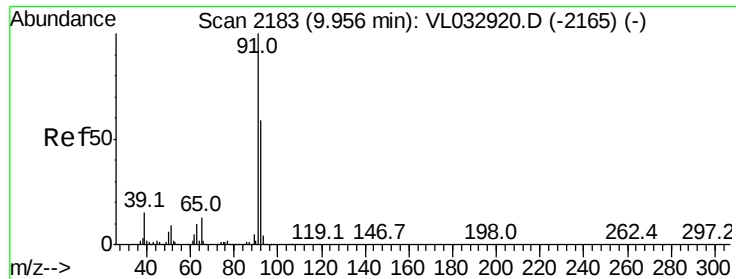
Tot Ion: 43 Resp: 300567
Ion Ratio Lower Upper
43 100
58 0.8 38.1 57.1#
98 1.4 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.127 ppbv
RT: 11.39 min Scan# 2629
Delta R.T. 0.01 min
Lab File: VL033047.D
Acq: 21 Dec 2018 9:31

Tgt Ion:164 Resp: 7888
Ion Ratio Lower Upper
164 100
166 105.0 98.8 148.2
129 88.2 85.5 128.3
131 91.3 84.4 126.6





#53

Toluene

Concen: 0.517 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL033047.D

Acq: 21 Dec 2018 9:31

Instrument :

MSVOA_L

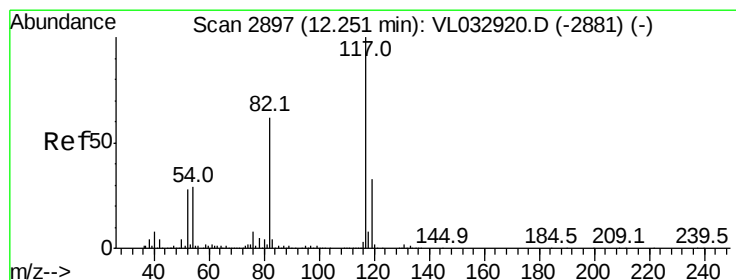
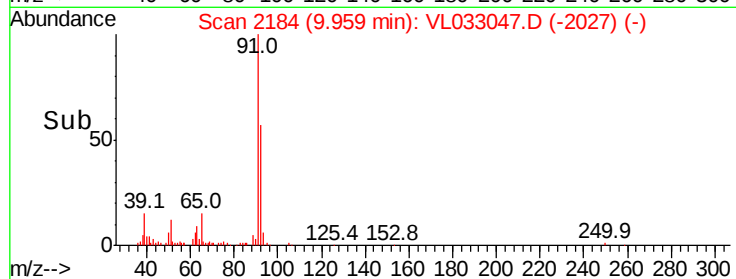
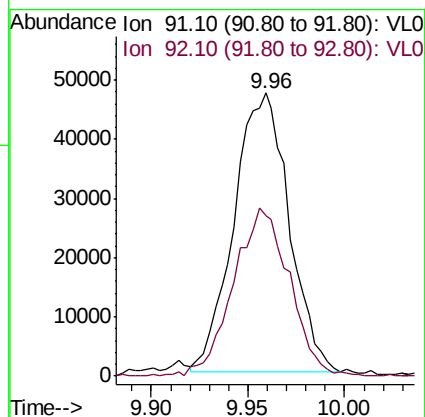
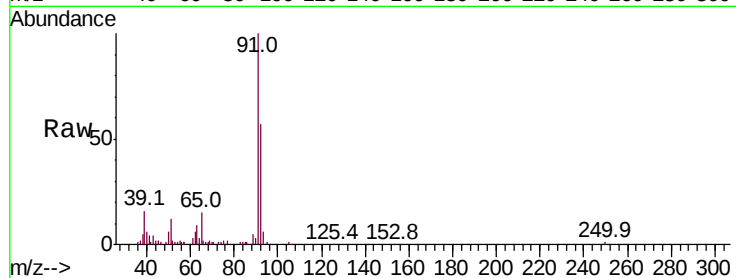
ClientSampleId :

Tot Ion: 91 Resp: 93586

Ion Ratio Lower Upper

91 100

92 61.3 47.4 71.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VL033047.D

Acq: 21 Dec 2018 9:31

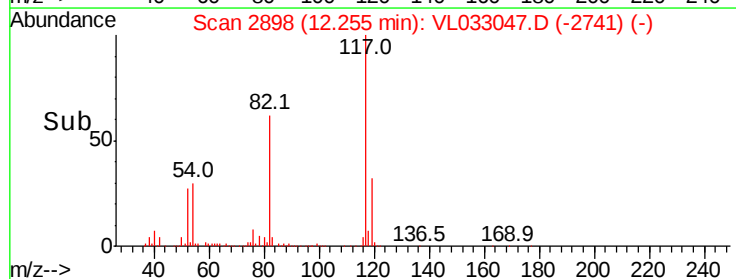
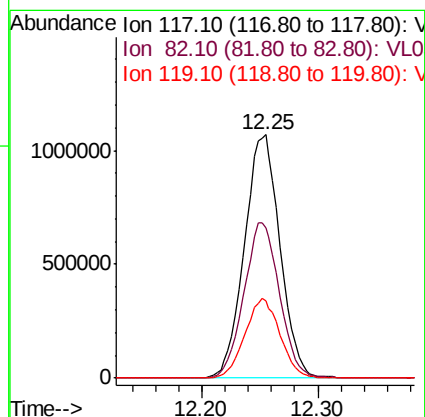
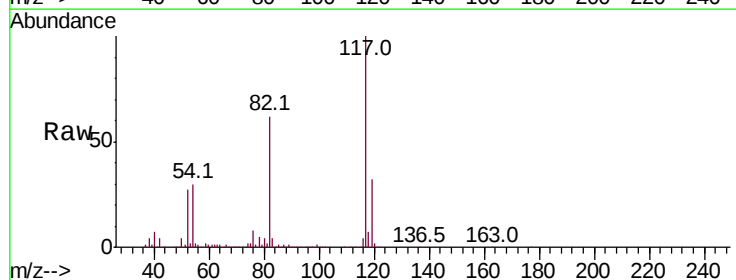
Tgt Ion: 117 Resp: 2284052

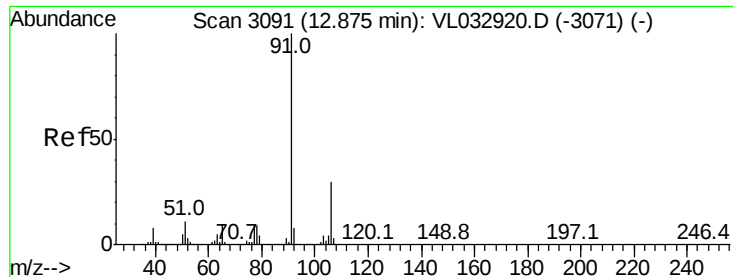
Ion Ratio Lower Upper

117 100

82 64.0 47.8 71.8

119 32.5 43.1 64.7#





#58

Ethyl Benzene

Concen: 0.062 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. -0.01 min

Lab File: VL033047.D

Acq: 21 Dec 2018 9:31

Instrument :

MSVOA_L

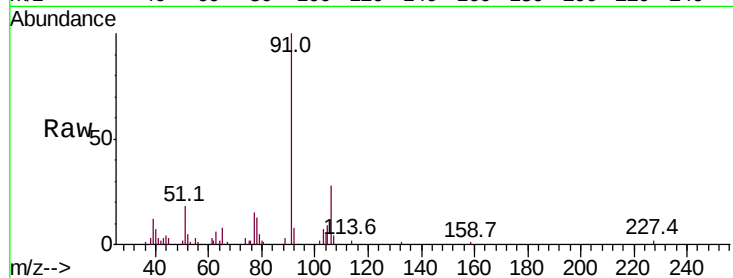
ClientSampleId :

Tot Ion: 91 Resp: 15163

Ion Ratio Lower Upper

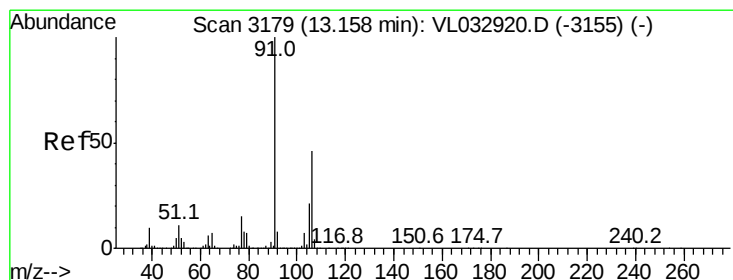
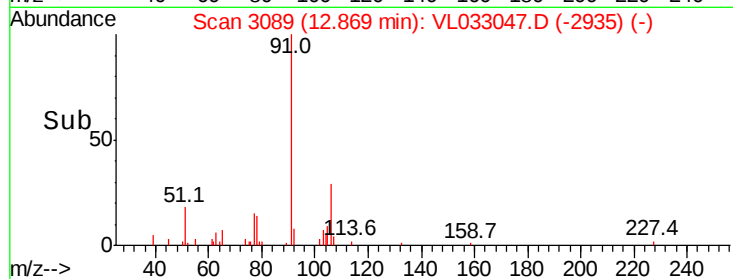
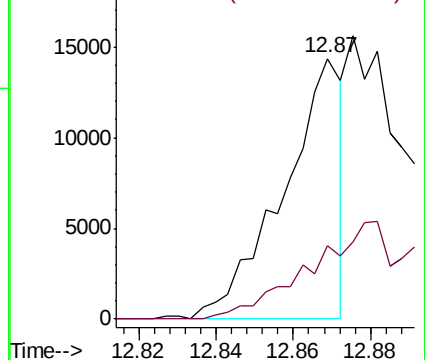
91 100

106 28.2 23.9 35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.318 ppbv

RT: 13.13 min Scan# 3171

Delta R.T. -0.03 min

Lab File: VL033047.D

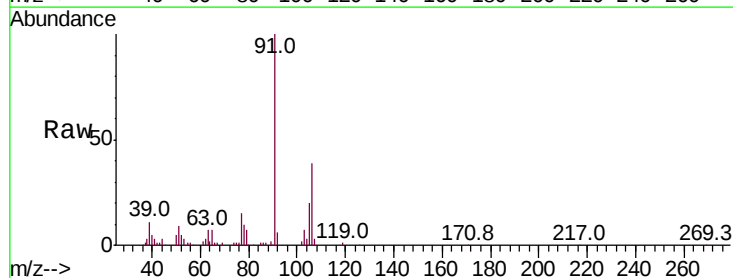
Acq: 21 Dec 2018 9:31

Tgt Ion: 91 Resp: 70140

Ion Ratio Lower Upper

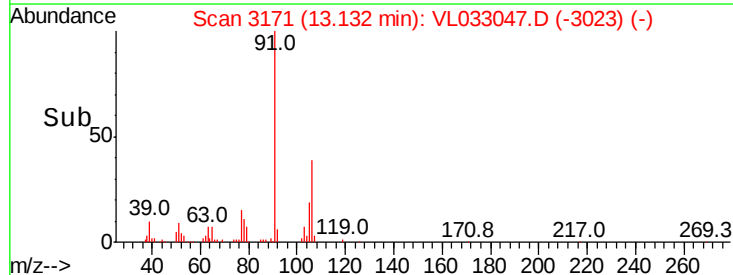
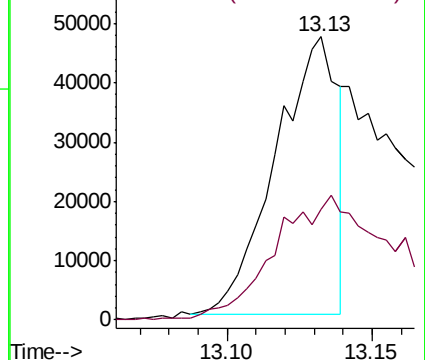
91 100

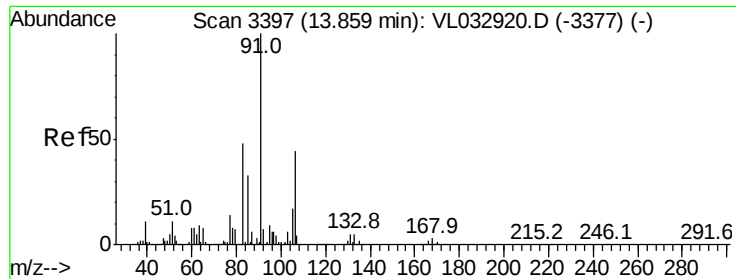
106 92.4 0.0 0.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

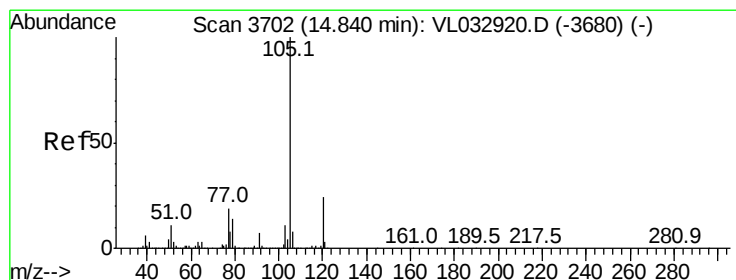
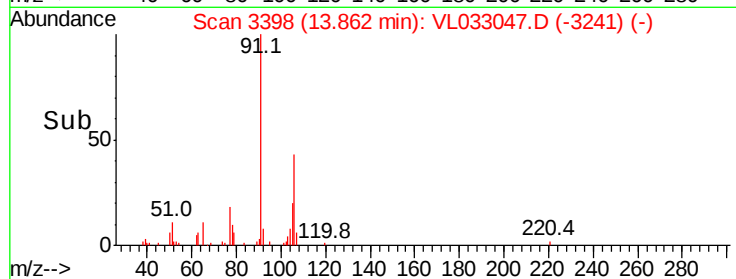
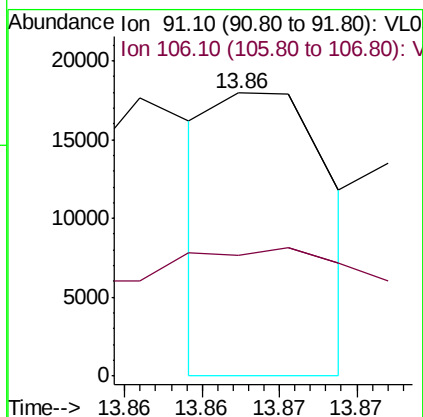
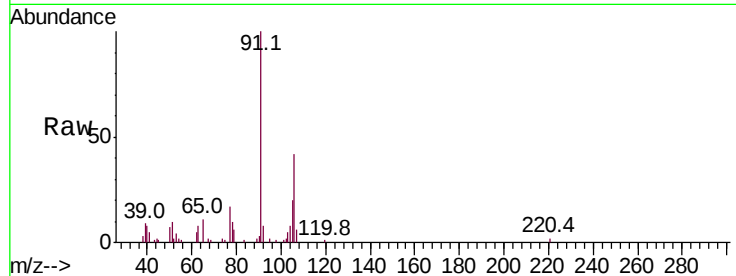




#60
o-Xylene
Concen: 0.041 ppbv
RT: 13.86 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VL033047.D
Acq: 21 Dec 2018 9:31

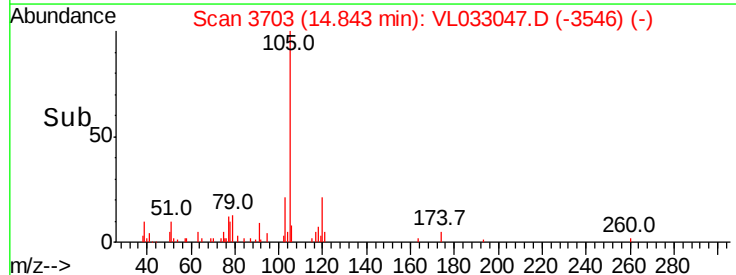
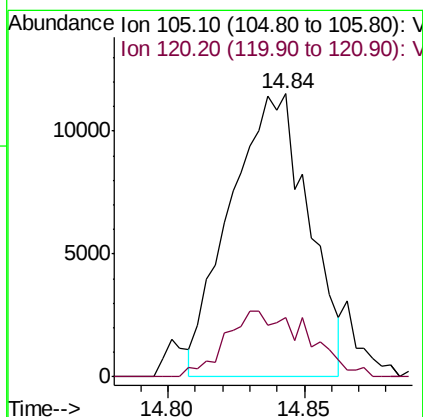
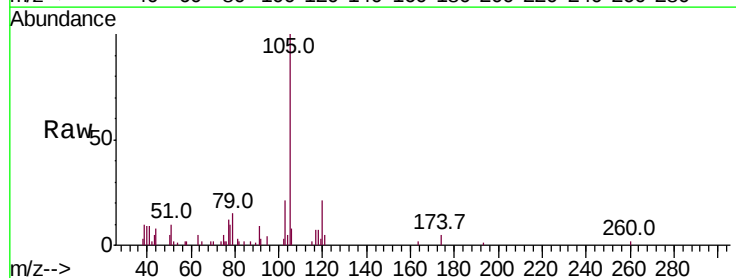
Instrument :
MSVOA_L
ClientSampleId :

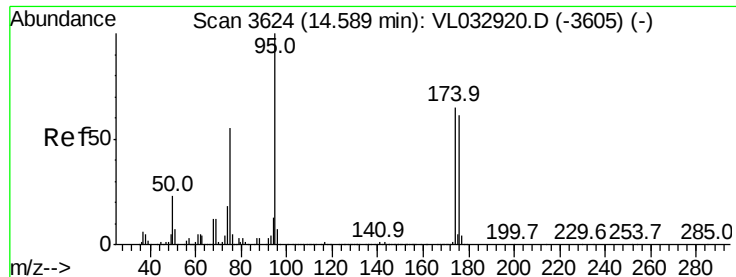
Tot Ion: 91 Resp: 9175
Ion Ratio Lower Upper
91 100
106 191.9 21.9 65.8#



#62
Isopropylbenzene
Concen: 0.074 ppbv
RT: 14.84 min Scan# 3703
Delta R.T. 0.00 min
Lab File: VL033047.D
Acq: 21 Dec 2018 9:31

Tgt Ion: 105 Resp: 22892
Ion Ratio Lower Upper
105 100
120 24.5 20.3 30.5





#68

1-Bromo-4-Fluorobenzene

Concen: 10.360 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL033047.D

Acq: 21 Dec 2018 9:31

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 1748197

Ion Ratio Lower Upper

95 100

174 65.3 51.4 77.0

175 4.8 3.8 5.6

