

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050719\
 Data File : VL033681.D
 Acq On : 7 May 2019 14:17
 Operator : SY/AP
 Sample : K2241-13 0.1PPB
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Quant Time: May 08 02:24:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	887857	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2056432	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2061979	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1695254	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	27217	0.131	ppbv	92
3) Chlorodifluoromethane	3.01	51	18356	0.143	ppbv	98
4) Chloromethane	3.17	50	8977	0.135	ppbv	97
5) Vinyl Chloride	3.29	62	7691	0.119	ppbv	94
6) Bromomethane	3.52	94	4921	0.120	ppbv #	80
7) Chloroethane	3.59	64	2079	0.088	ppbv #	54
8) Dichlorotetrafluoroethane	3.22	85	21981	0.128	ppbv	99
9) Propene	3.03	41	5352	0.109	ppbv	96
10) Heptane	8.24	43	3707	0.031	ppbv #	1
11) Trichlorofluoromethane	4.01	101	25237	0.130	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.55	101	16198	0.124	ppbv	92
13) Ethanol	3.67	45	2253	0.154	ppbv	69
14) Bromoethene	3.80	108	2400	0.047	ppbv #	1
15) Acetone	3.92	43	22183	0.168	ppbv #	89
16) 1,3-Butadiene	3.36	39	6398	0.113	ppbv	96
18) 1,1-Dichloroethene	4.35	96	3498	0.062	ppbv	79
20) Methylene Chloride	4.41	84	9060	0.181	ppbv	90
21) Allyl Chloride	4.47	41	5784	0.072	ppbv #	19
22) trans-1,2-Dichloroethene	4.96	96	5397	0.095	ppbv #	73
23) Vinyl Acetate	5.16	43	15215	0.089	ppbv #	95
24) 1,1-Dichloroethane	5.08	63	14278	0.110	ppbv #	94
25) Ethyl Acetate	5.78	43	23453	0.109	ppbv #	94
26) Hexane	5.77	57	6560	0.071	ppbv #	1
27) Carbon Disulfide	4.62	76	13032	0.103	ppbv #	71
28) Methyl tert-Butyl Ether	5.14	73	14286	0.092	ppbv #	85
29) Chloroform	5.84	83	20256	0.122	ppbv	84
30) Cyclohexane	7.23	84	1386	0.018	ppbv #	1
31) cis-1,2-Dichloroethene	5.64	61	4574	0.050	ppbv #	72
32) 1,1,1-Trichloroethane	6.61	97	19628	0.114	ppbv	98
34) 2-Butanone	5.35	43	12608	0.096	ppbv #	83
35) Carbon Tetrachloride	7.13	117	11448	0.068	ppbv	87
36) Benzene	7.00	78	16736	0.091	ppbv	94
37) 1,2-Dichloroethane	6.41	62	14048	0.109	ppbv	98
38) Trichloroethene	7.95	130	2730	0.040	ppbv #	67
39) 1,2-Dichloropropane	7.29	63	542773	7.898	ppbv #	23
42) Bromodichloromethane	7.91	83	9680	0.058	ppbv	91
43) Methyl Methacrylate	8.13	69	835	0.012	ppbv #	1
44) 2,2,4-Trimethylpentane	7.98	57	11162	0.035	ppbv #	43
45) t-1,3-Dichloropropene	9.41	75	3463	0.041	ppbv	91
46) cis-1,3-Dichloropropene	8.81	75	2015	0.019	ppbv	88
47) 1,1,2-Trichloroethane	9.60	97	3990	0.051	ppbv #	83

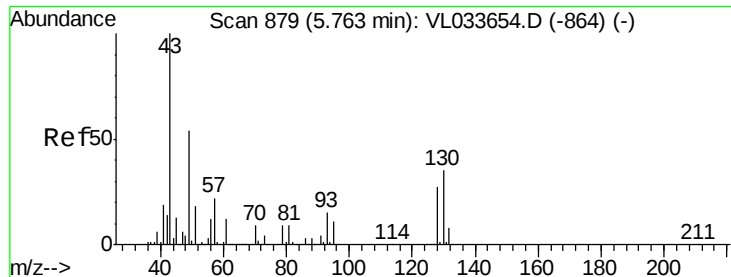
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050719\
 Data File : VL033681.D
 Acq On : 7 May 2019 14:17
 Operator : SY/AP
 Sample : K2241-13 0.1PPB
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Quant Time: May 08 02:24:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Dibromochloromethane	10.44	129	8934	0.067	ppbv	77
49) Bromoform	13.18	173	4546	0.039	ppbv #	18
52) Tetrachloroethene	11.35	164	1373	0.021	ppbv #	51
53) Toluene	9.94	91	7156	0.036	ppbv #	31
54) 1,2-Dibromoethane	10.74	107	2742	0.023	ppbv #	72
56) 1,1,1,2-Tetrachloroethane	12.27	131	4624	0.049	ppbv #	10
57) Chlorobenzene	12.29	112	19987	0.118	ppbv #	80
58) Ethyl Benzene	12.86	91	9845	0.037	ppbv	99
59) m/p-Xylene	13.13	91	2832	0.012	ppbv #	31
60) o-Xylene	13.84	91	6241	0.026	ppbv #	8
61) Styrene	13.68	104	6166	0.039	ppbv #	27
62) Isopropylbenzene	14.82	105	22283	0.068	ppbv	93
63) 1,1,2,2-Tetrachloroethane	13.83	83	11780	0.068	ppbv #	49
64) n-propylbenzene	15.71	120	1925	0.023	ppbv #	1
65) tert-Butylbenzene	16.89	119	5434	0.018	ppbv #	18
66) Benzyl Chloride	17.14	91	6737	0.049	ppbv #	89
67) sec-Butylbenzene	17.46	105	20592	0.049	ppbv	95
69) p-Isopropyltoluene	17.80	119	5621	0.016	ppbv #	68
70) n-Butylbenzene	18.69	91	5102	0.014	ppbv #	34
72) 4-Ethyltoluene	15.98	105	7247	0.026	ppbv #	56
73) 1,3,5-Trimethylbenzene	16.15	105	12017	0.044	ppbv #	79
74) 1,2,4-Trimethylbenzene	16.92	105	15880	0.052	ppbv #	82
75) 1,3-Dichlorobenzene	17.15	146	12446	0.068	ppbv #	21
76) 1,4-Dichlorobenzene	17.30	146	16704	0.096	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	9863	0.058	ppbv #	53
78) Hexachloro-1,3-Butadiene	23.53	225	6898	0.051	ppbv #	1
80) Naphthalene,2-methyl-	25.11	142	5691	0.054	ppbv	98
81) 1,2,4-Trichlorobenzene	22.12	180	3191	0.020	ppbv #	12

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

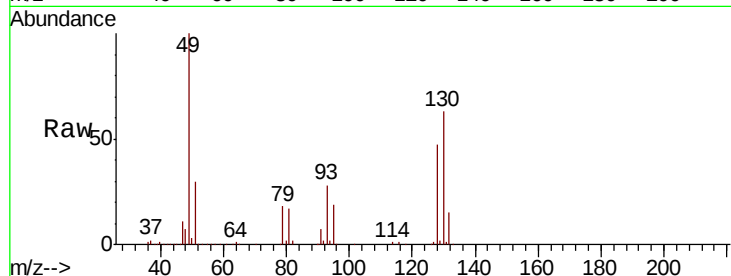
Tgt Ion: 49 Resp: 887857

Ion Ratio Lower Upper

49 100

128 49.4 24.8 74.3

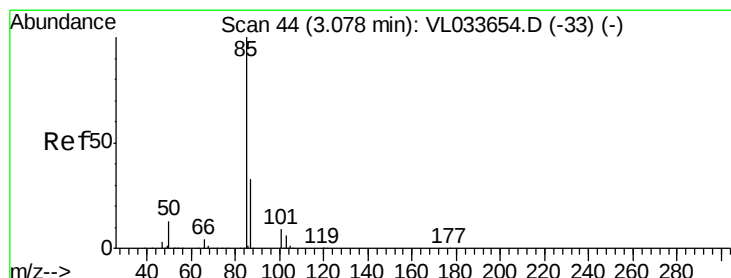
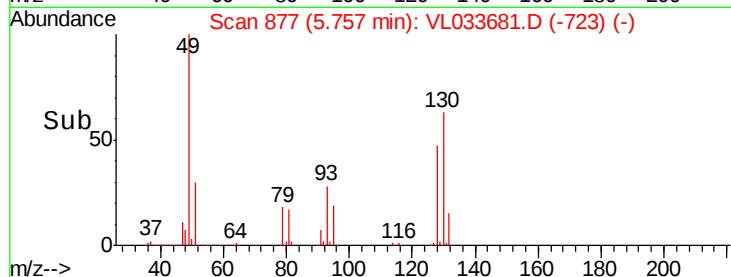
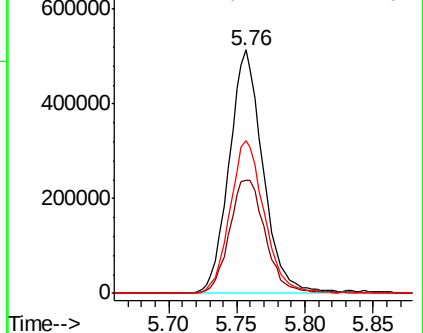
130 63.4 32.1 96.5



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: 0.131 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033681.D

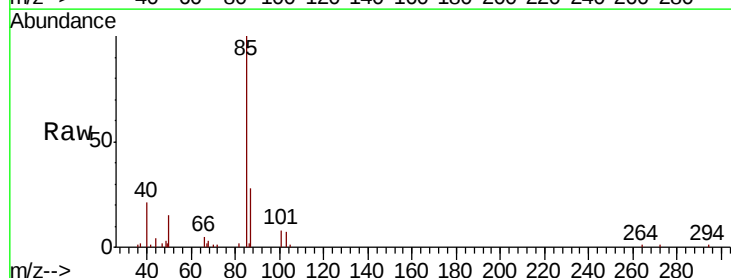
Acq: 7 May 2019 14:17

Tgt Ion: 85 Resp: 27217

Ion Ratio Lower Upper

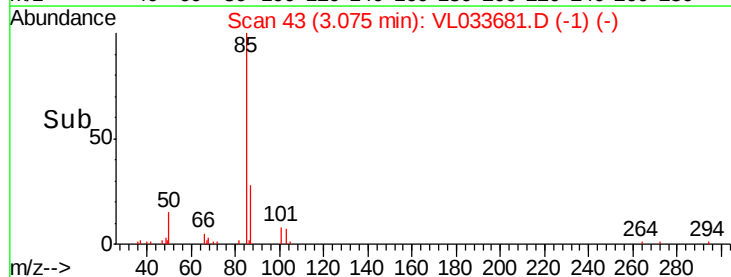
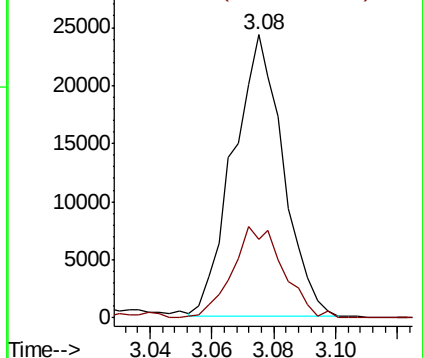
85 100

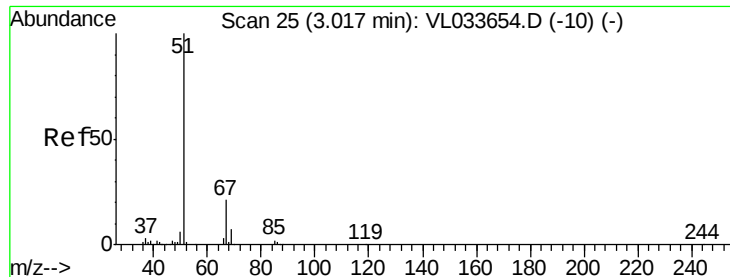
87 27.8 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.143 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

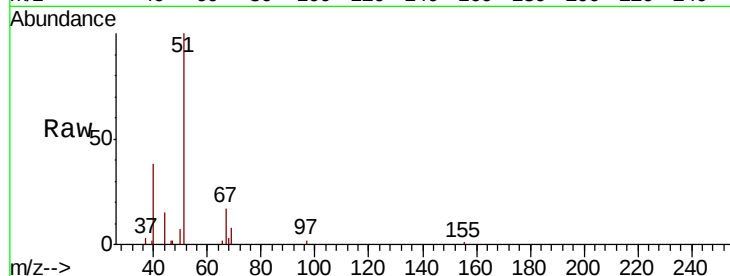
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 51 Resp: 18356

Ion Ratio Lower Upper

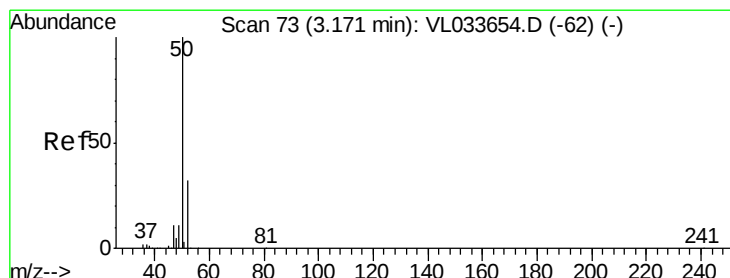
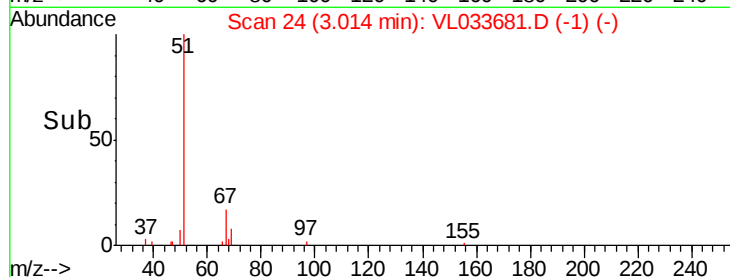
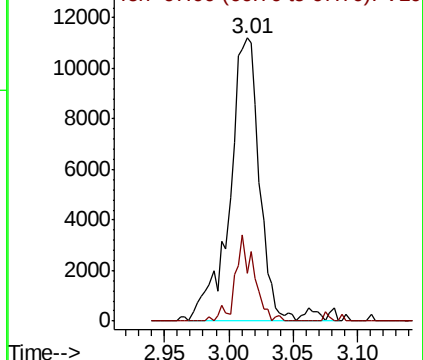
51 100

67 18.8 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.135 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033681.D

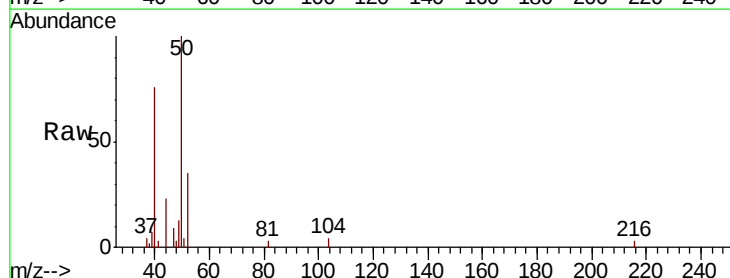
Acq: 7 May 2019 14:17

Tgt Ion: 50 Resp: 8977

Ion Ratio Lower Upper

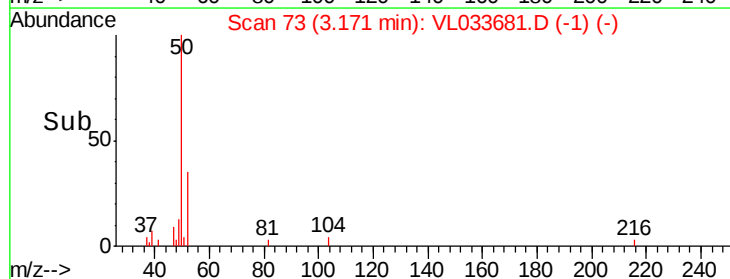
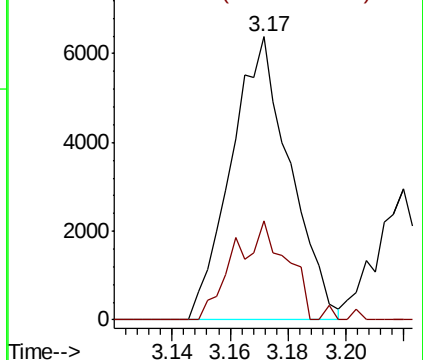
50 100

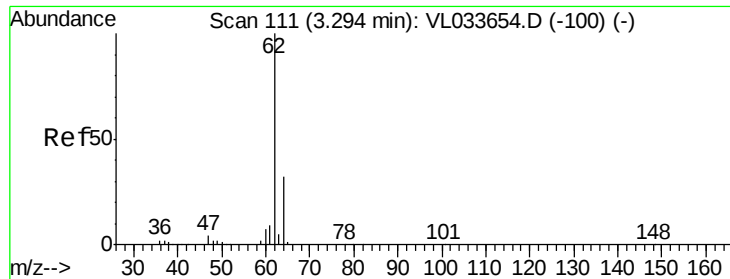
52 33.9 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.119 ppbv

RT: 3.29 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

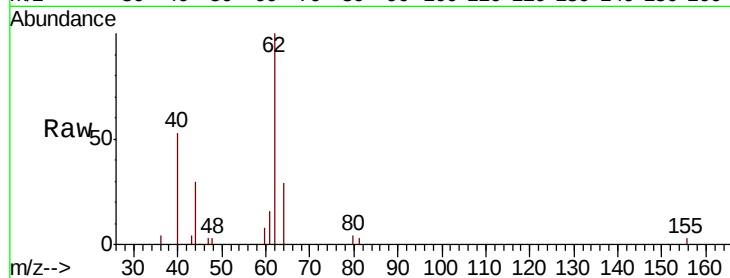
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 62 Resp: 7691

Ion Ratio Lower Upper

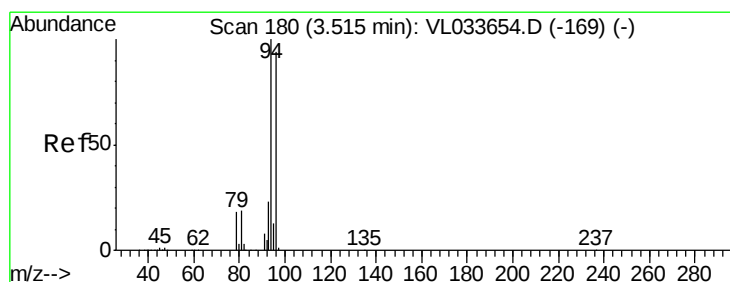
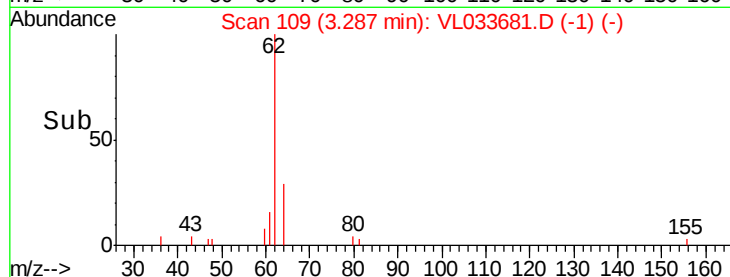
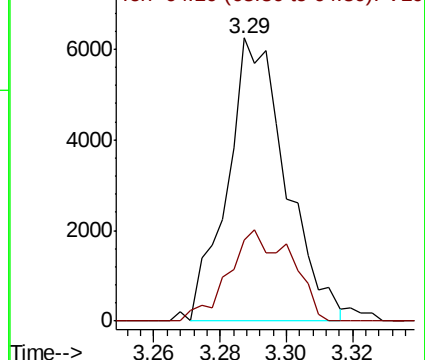
62 100

64 28.7 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.120 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL033681.D

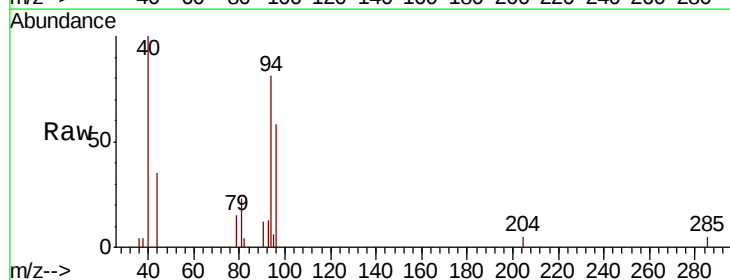
Acq: 7 May 2019 14:17

Tgt Ion: 94 Resp: 4921

Ion Ratio Lower Upper

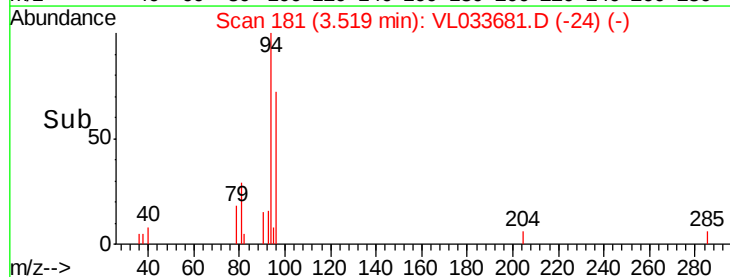
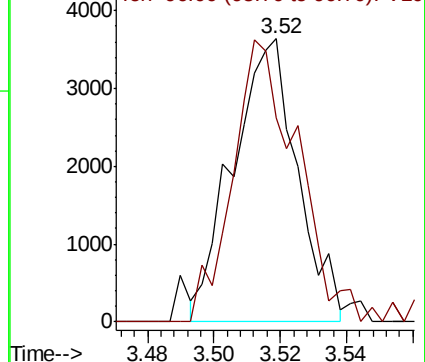
94 100

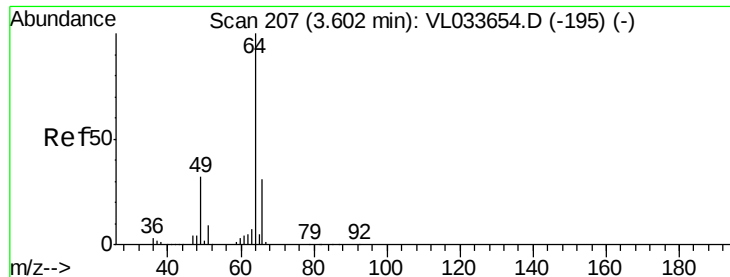
96 75.1 75.2 112.8#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.088 ppbv

RT: 3.59 min Scan# 204

Delta R.T. -0.01 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

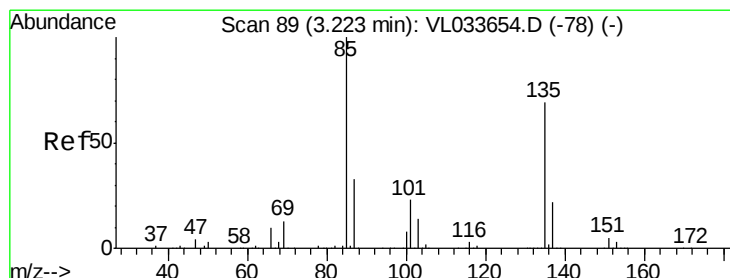
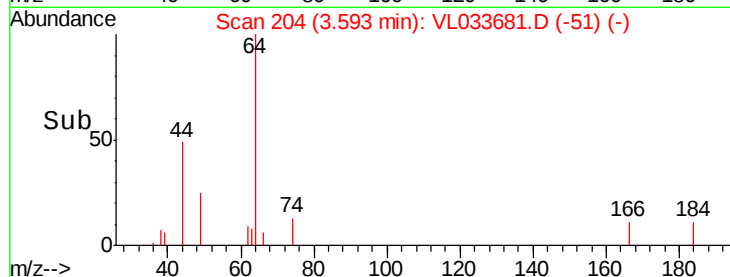
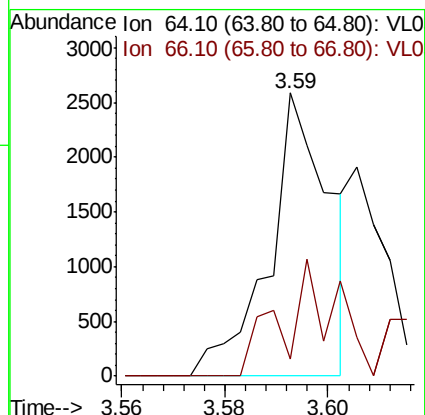
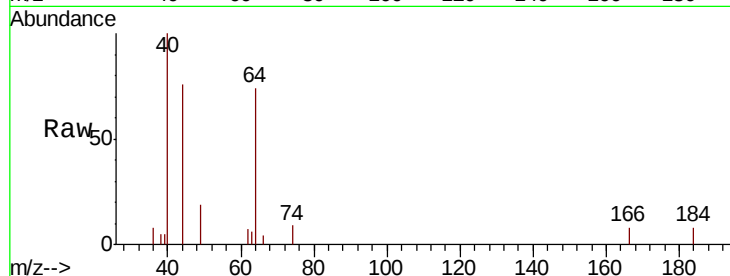
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 64 Resp: 2079

Ion Ratio Lower Upper

64 100

66 5.8 25.1 37.7#



#8

Dichlorotetrafluoroethane

Concen: 0.128 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.01 min

Lab File: VL033681.D

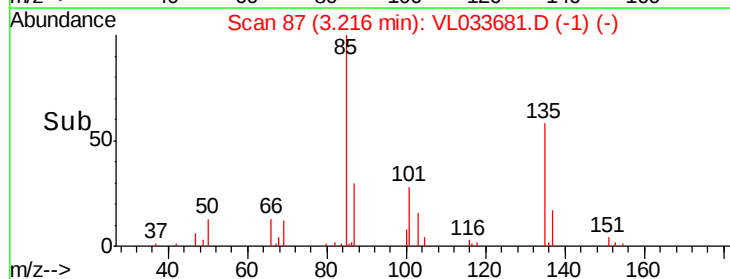
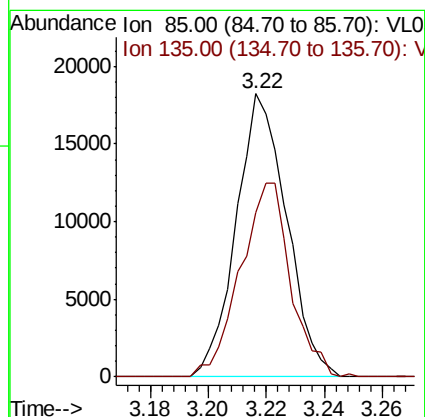
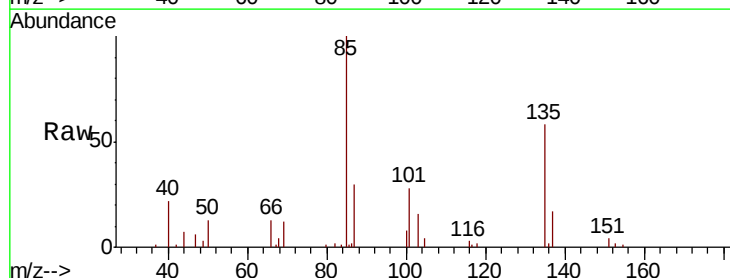
Acq: 7 May 2019 14:17

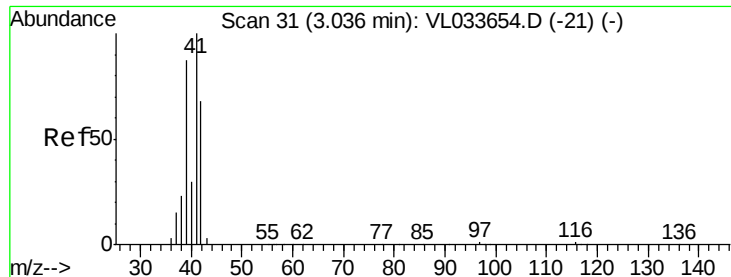
Tgt Ion: 85 Resp: 21981

Ion Ratio Lower Upper

85 100

135 68.5 54.3 81.5





#9

Propene

Concen: 0.109 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.00 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

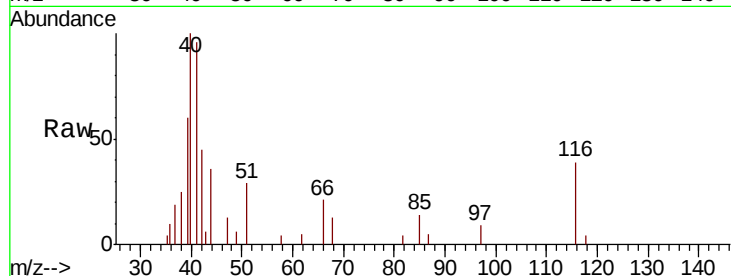
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 41 Resp: 5352

Ion Ratio Lower Upper

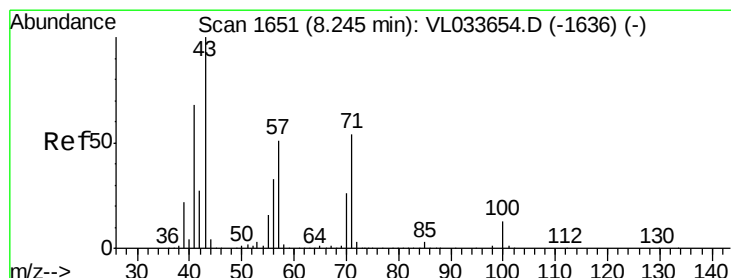
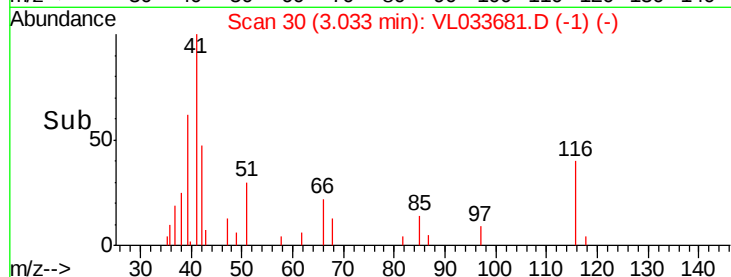
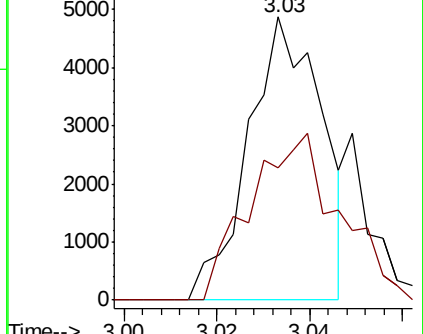
41 100

42 73.1 55.6 83.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.031 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VL033681.D

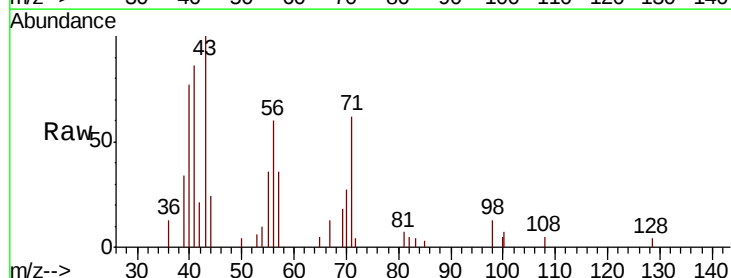
Acq: 7 May 2019 14:17

Tgt Ion: 43 Resp: 3707

Ion Ratio Lower Upper

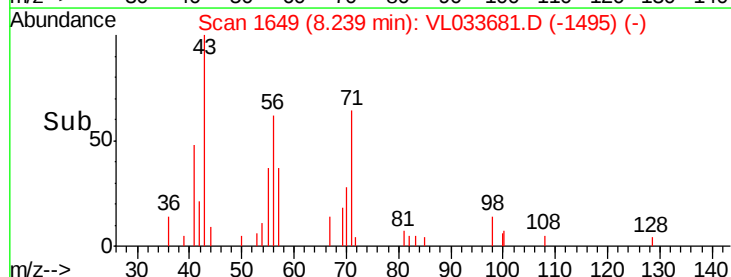
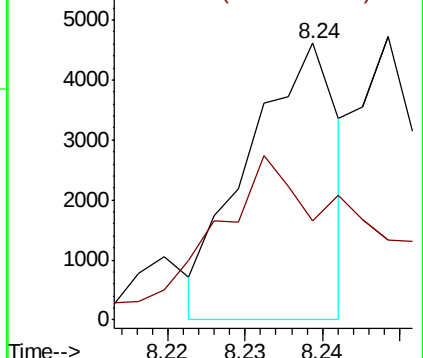
43 100

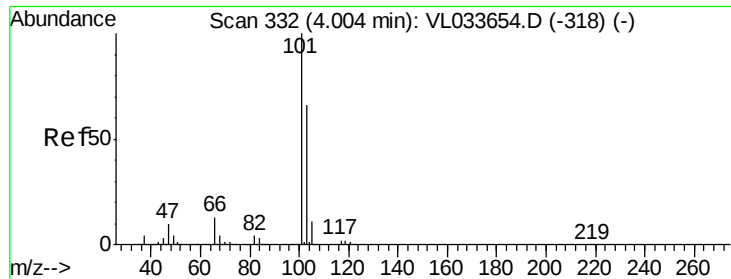
57 122.9 41.8 62.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

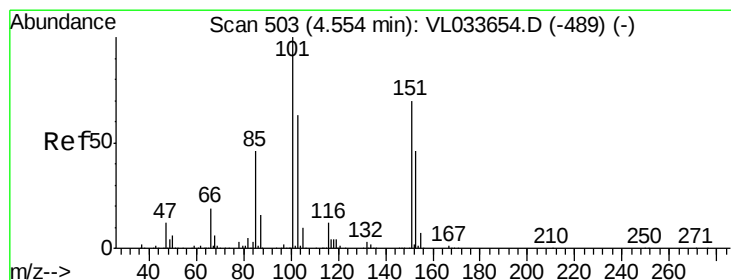
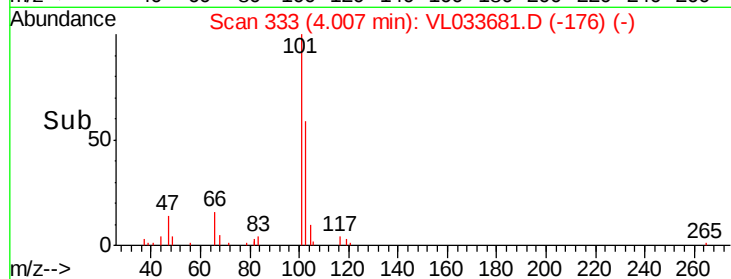
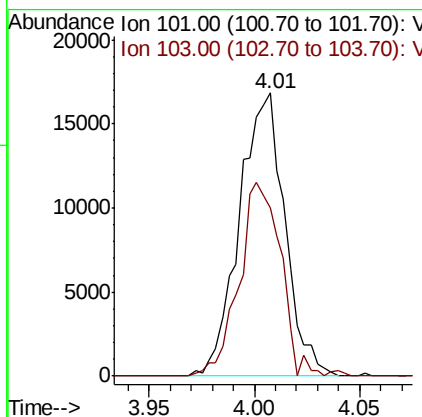
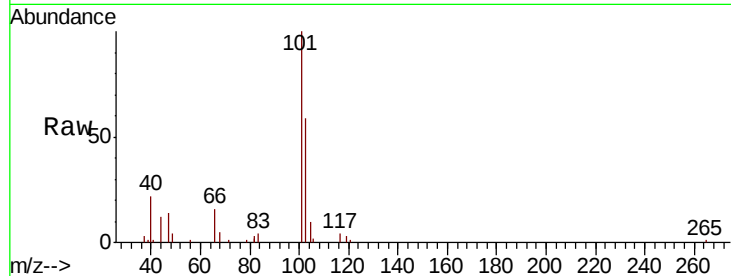




#11
 Trichlorofluoromethane
 Concen: 0.130 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL033681.D
 Acq: 7 May 2019 14:17

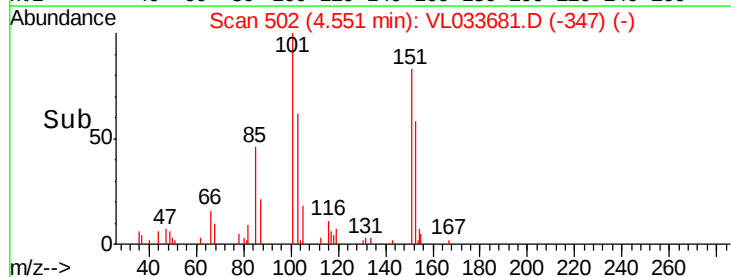
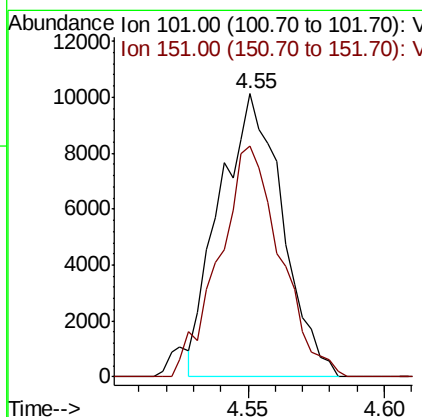
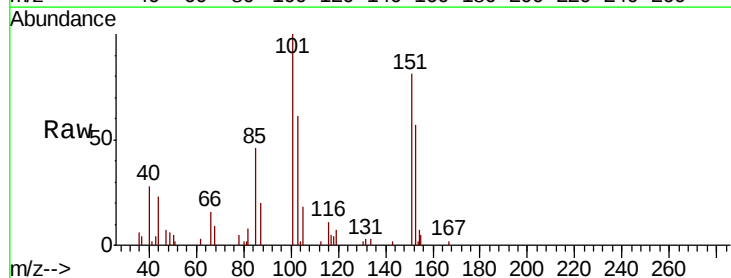
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

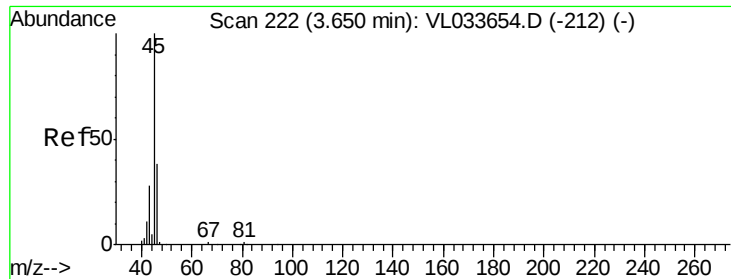
Tgt Ion:101 Resp: 25237
 Ion Ratio Lower Upper
 101 100
 103 59.4 52.7 79.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.124 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033681.D
 Acq: 7 May 2019 14:17

Tgt Ion:101 Resp: 16198
 Ion Ratio Lower Upper
 101 100
 151 79.5 58.0 87.0





#13

Ethanol

Concen: 0.154 ppbv

RT: 3.67 min Scan# 227

Delta R.T. 0.02 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

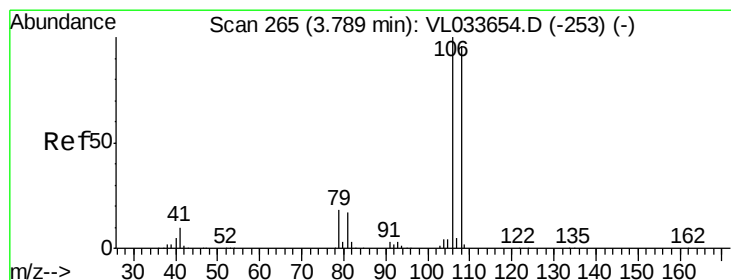
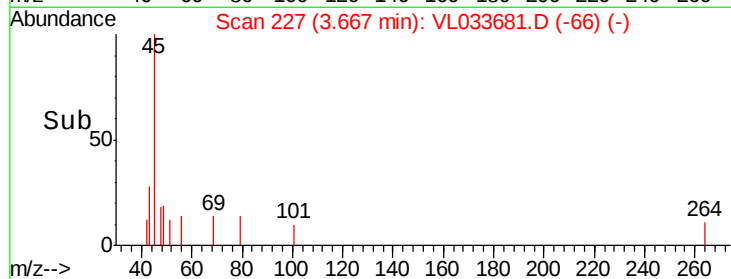
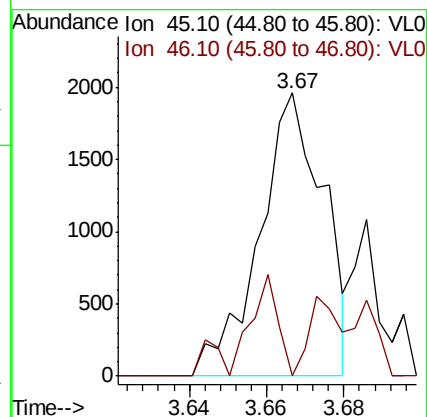
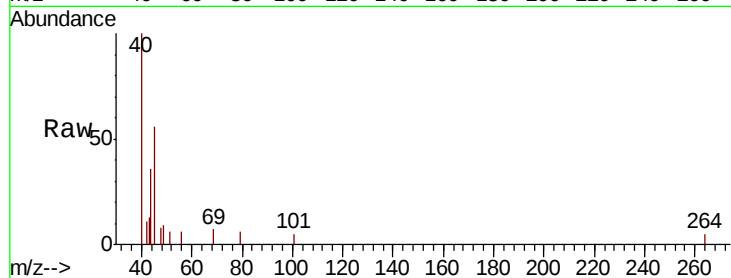
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 45 Resp: 2253

Ion Ratio Lower Upper

45 100

46 18.9 14.9 59.7



#14

Bromoethene

Concen: 0.047 ppbv

RT: 3.80 min Scan# 267

Delta R.T. 0.01 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

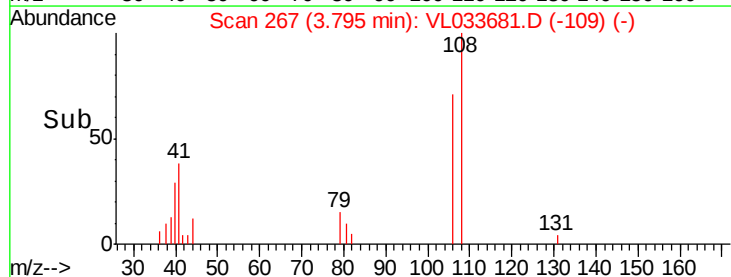
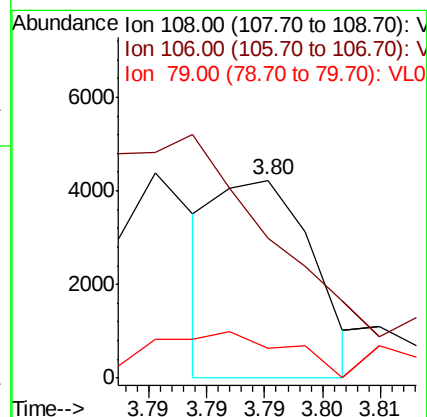
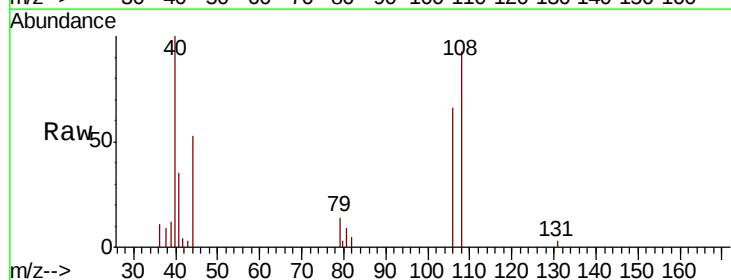
Tgt Ion: 108 Resp: 2400

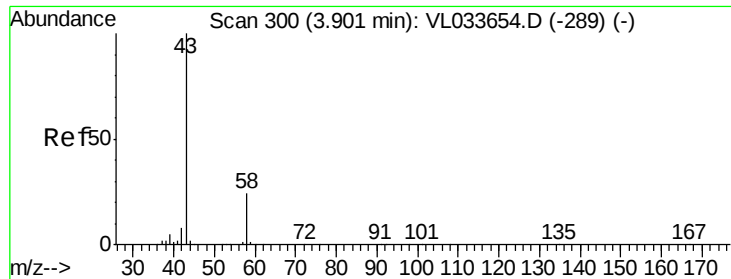
Ion Ratio Lower Upper

108 100

106 297.0 85.7 128.5#

79 74.1 15.2 22.8#





#15

Acetone

Concen: 0.168 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.02 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

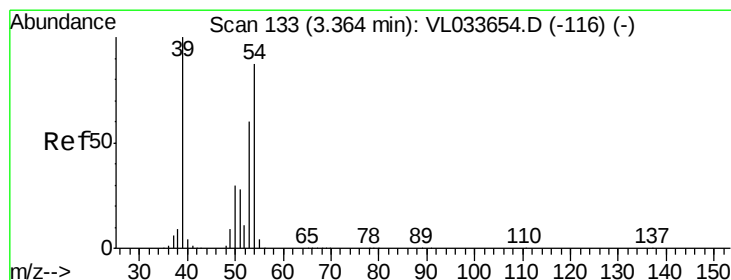
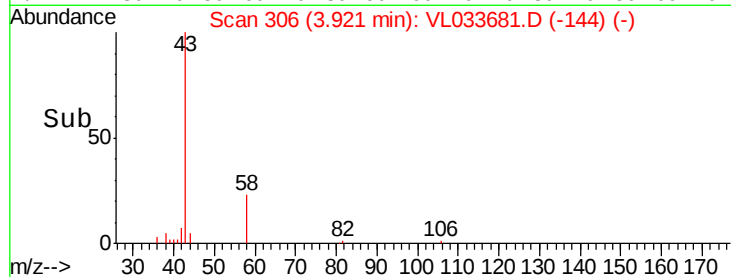
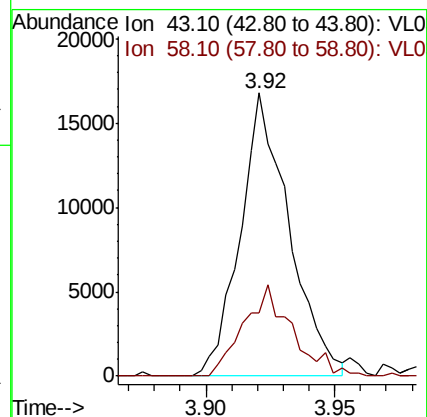
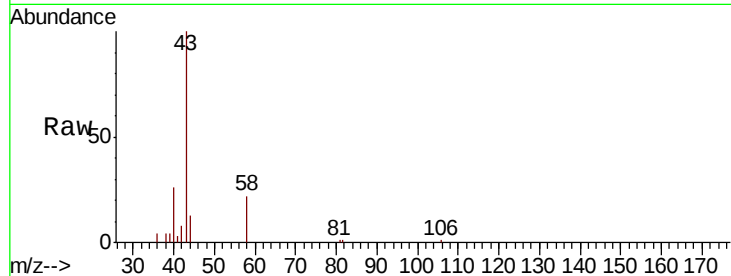
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 43 Resp: 22183

Ion Ratio Lower Upper

43 100

58 31.9 20.9 31.3#



#16

1,3-Butadiene

Concen: 0.113 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033681.D

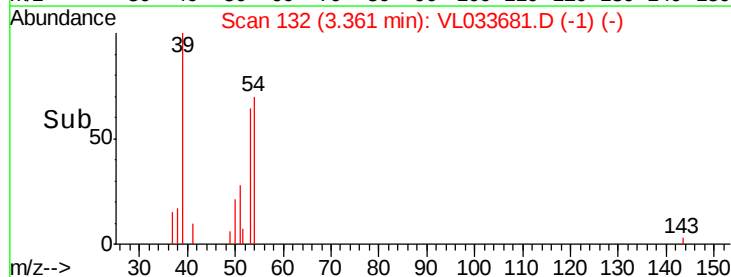
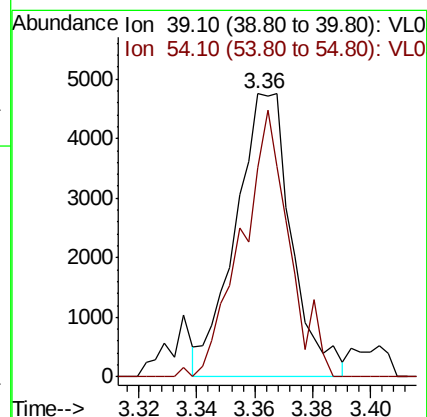
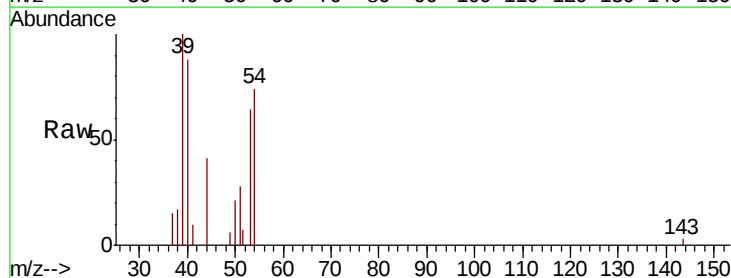
Acq: 7 May 2019 14:17

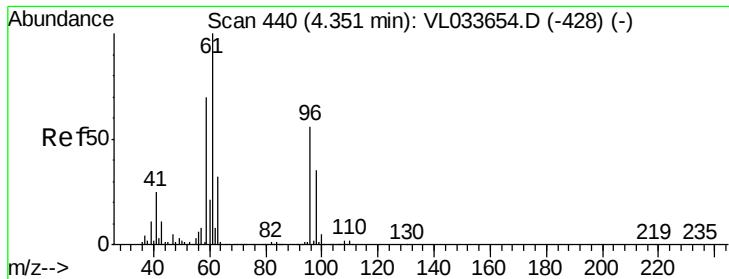
Tgt Ion: 39 Resp: 6398

Ion Ratio Lower Upper

39 100

54 80.0 67.0 100.4

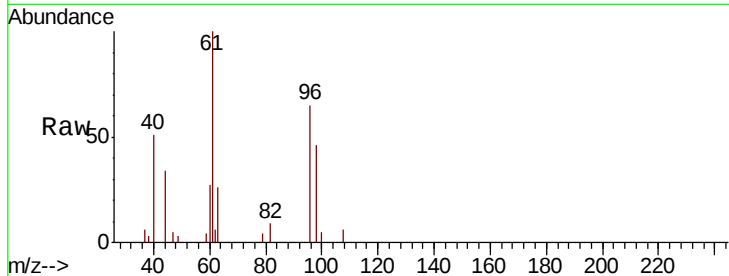




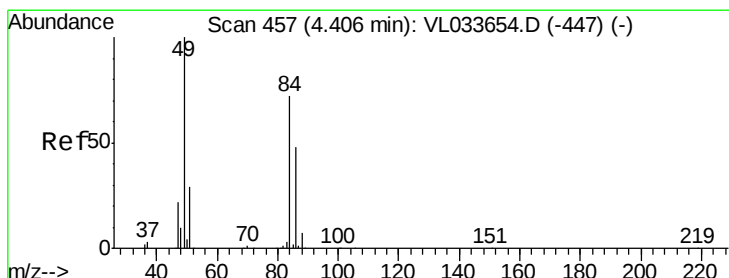
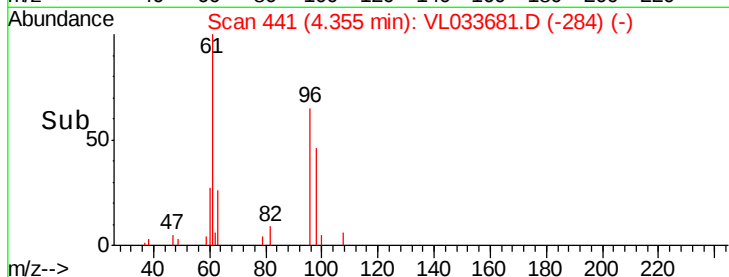
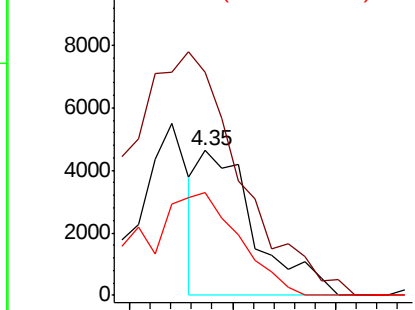
#18
 1,1-Dichloroethene
 Concen: 0.062 ppbv
 RT: 4.35 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VL033681.D
 Acq: 7 May 2019 14:17

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 96 Resp: 3498
 Ion Ratio Lower Upper
 96 100
 61 143.7 143.4 215.0
 98 70.7 50.4 75.6

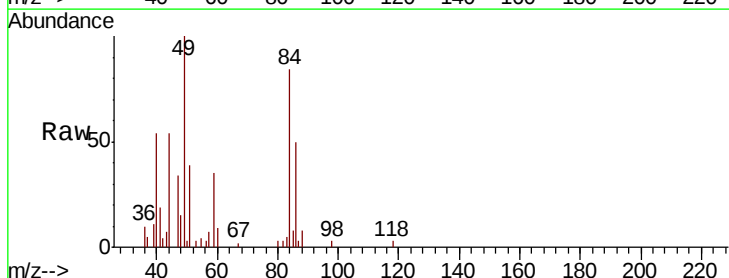


Abundance Ion 96.00 (95.70 to 96.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0

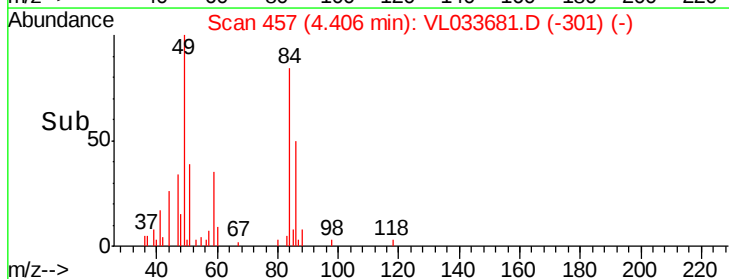
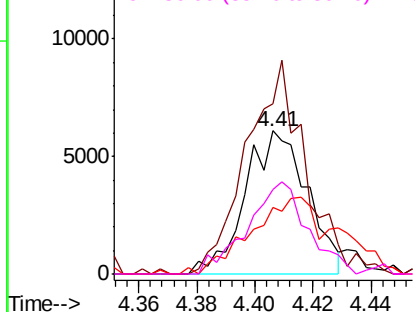


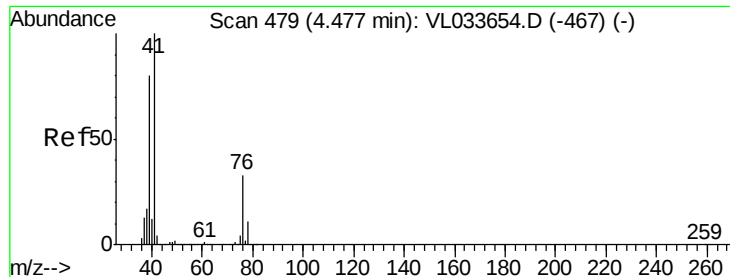
#20
 Methylene Chloride
 Concen: 0.181 ppbv
 RT: 4.41 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VL033681.D
 Acq: 7 May 2019 14:17

Tgt Ion: 84 Resp: 9060
 Ion Ratio Lower Upper
 84 100
 49 123.4 111.8 167.6
 51 42.9 32.3 48.5
 86 62.9 53.9 80.9



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

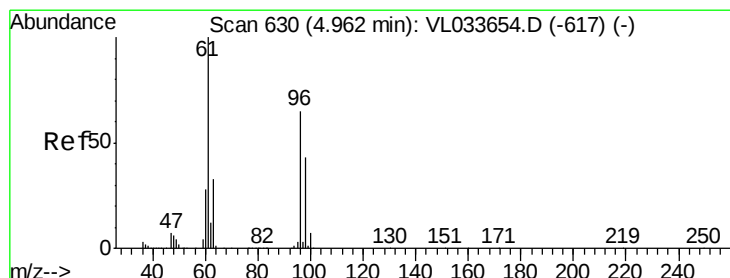
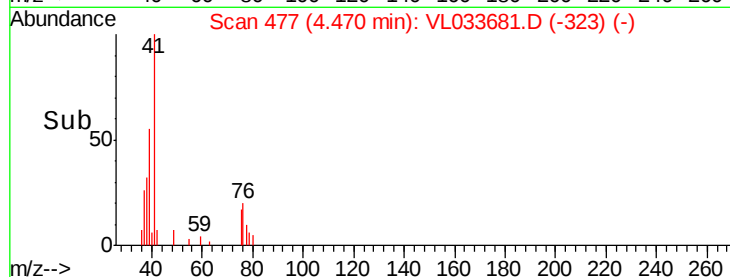
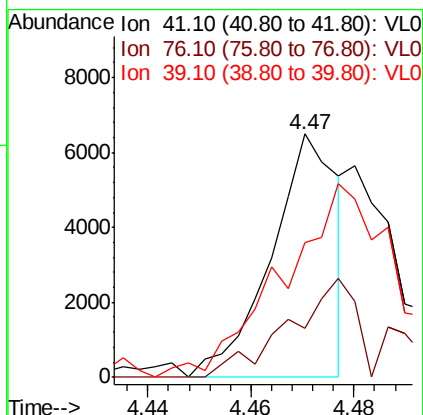
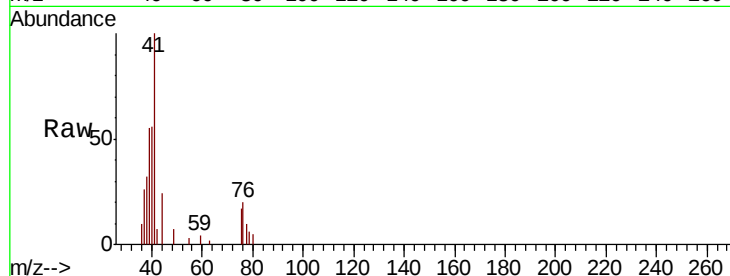




#21
 Allyl Chloride
 Concen: 0.072 ppbv
 RT: 4.47 min Scan# 477
 Delta R.T. -0.01 min
 Lab File: VL033681.D
 Acq: 7 May 2019 14:17

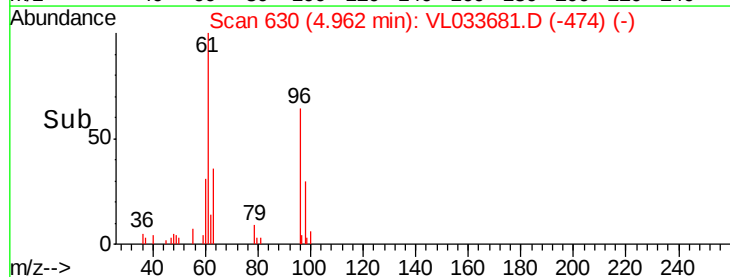
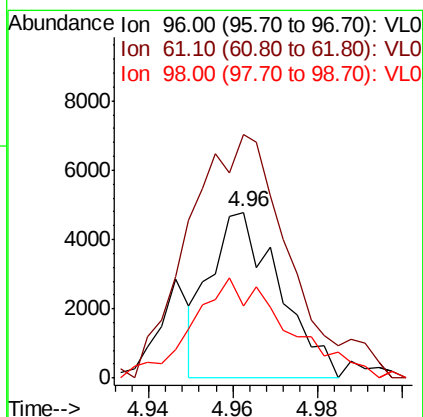
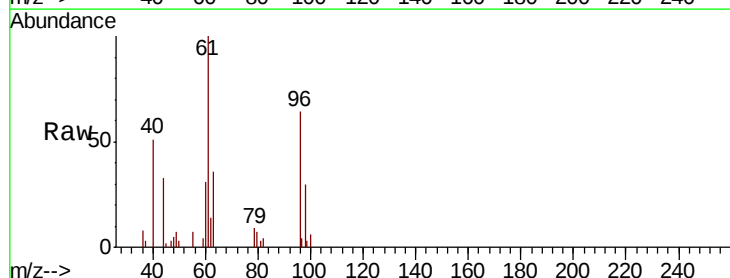
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

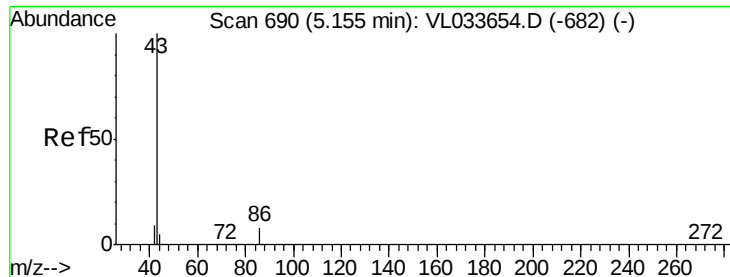
Tgt Ion: 41 Resp: 5784
 Ion Ratio Lower Upper
 41 100
 76 0.0 26.0 39.0#
 39 0.0 64.4 96.6#



#22
 trans-1,2-Dichloroethene
 Concen: 0.095 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VL033681.D
 Acq: 7 May 2019 14:17

Tgt Ion: 96 Resp: 5397
 Ion Ratio Lower Upper
 96 100
 61 127.2 123.1 184.7
 98 31.8 52.6 79.0#





#23

Vinyl Acetate

Concen: 0.089 ppbv

RT: 5.16 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

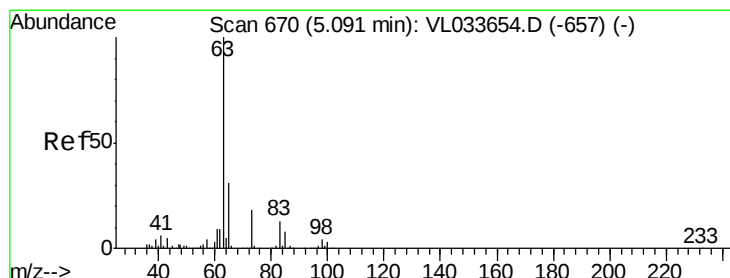
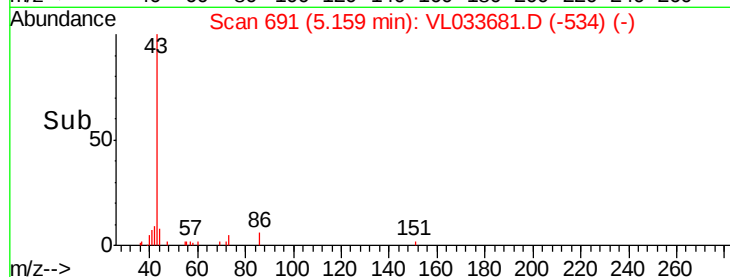
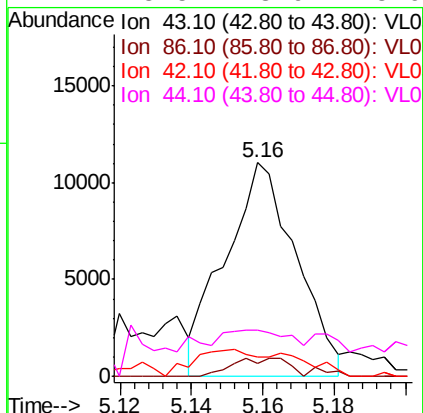
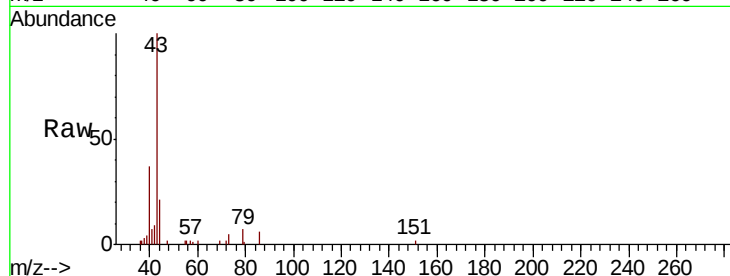
Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tgt Ion:	43	Resp:	15215
Ion	Ratio	Lower	Upper
43	100		
86	6.7	6.0	9.0
42	6.8	8.0	12.0#
44	5.5	3.9	5.9



#24

1,1-Dichloroethane

Concen: 0.110 ppbv

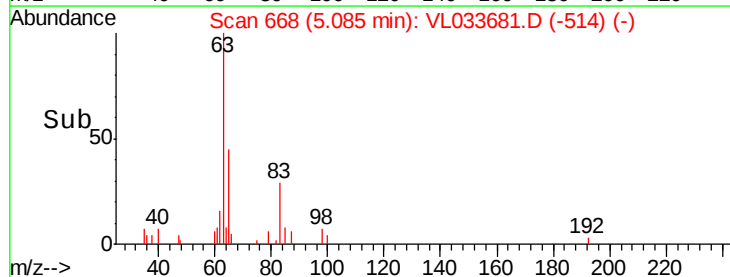
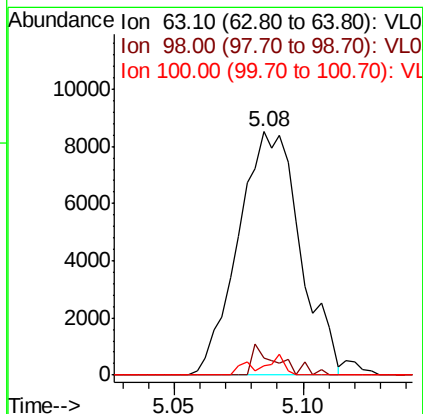
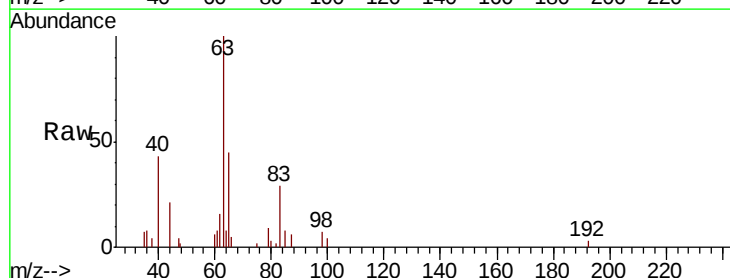
RT: 5.08 min Scan# 668

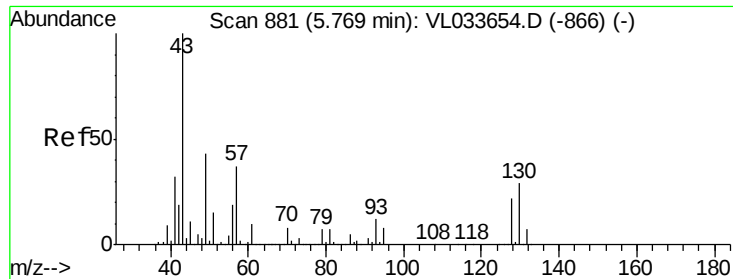
Delta R.T. -0.01 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Tgt Ion:	63	Resp:	14278
Ion	Ratio	Lower	Upper
63	100		
98	6.8	2.1	6.2#
100	3.8	1.5	4.4





#25

Ethyl Acetate

Concen: 0.109 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.01 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 43 Resp: 23453

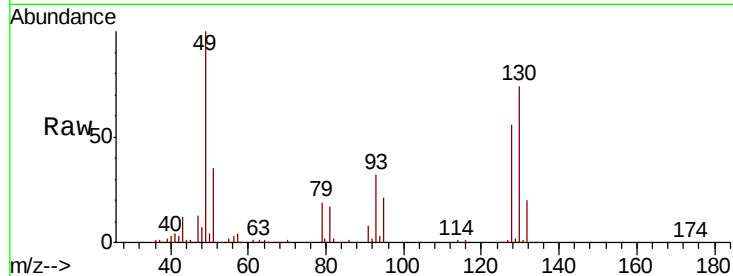
Ion Ratio Lower Upper

43 100

45 12.8 8.0 12.0#

61 12.2 7.5 11.3#

70 7.5 5.8 8.8

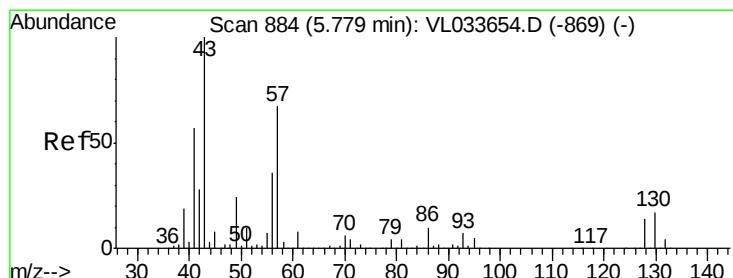
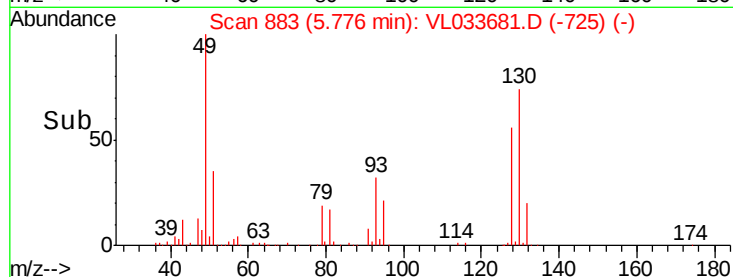
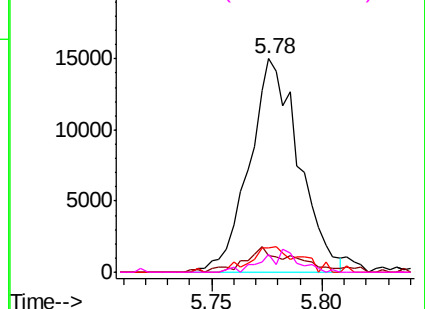


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.071 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.01 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Tgt Ion: 57 Resp: 6560

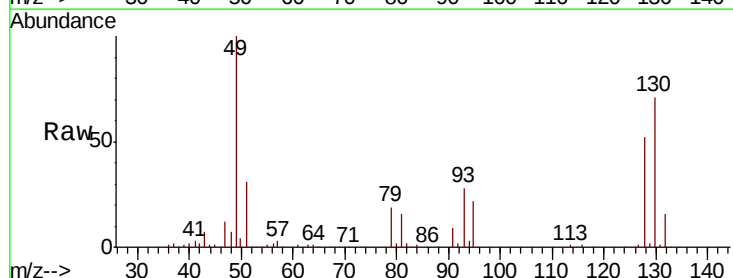
Ion Ratio Lower Upper

57 100

41 0.0 69.7 104.5#

43 0.0 181.9 272.9#

56 94.1 42.5 63.7#

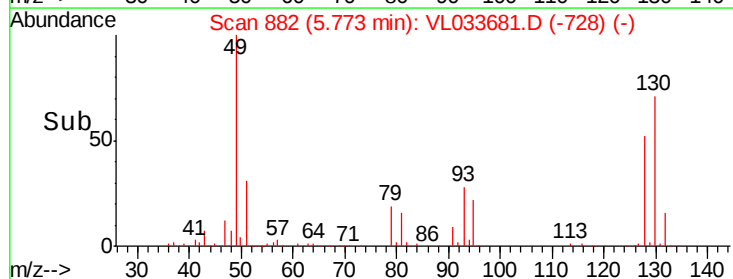
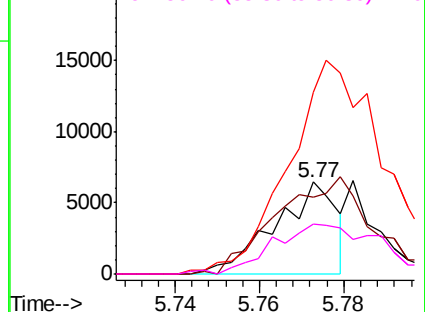


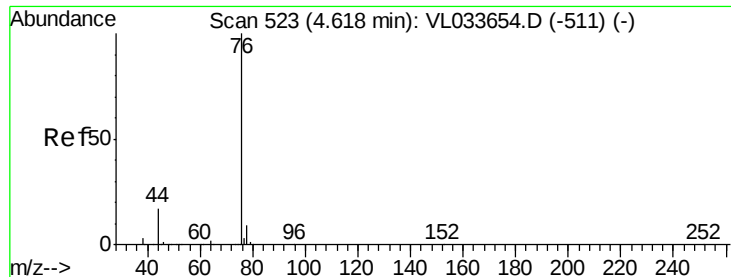
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.103 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

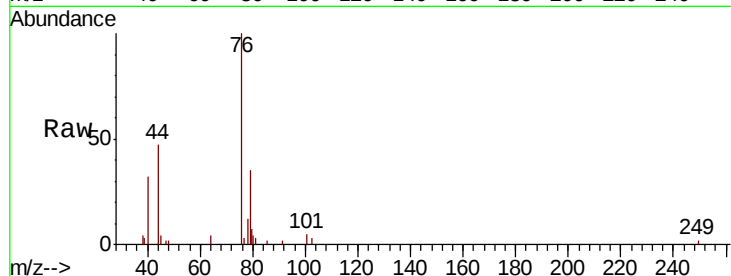
Tgt Ion: 76 Resp: 13032

Ion Ratio Lower Upper

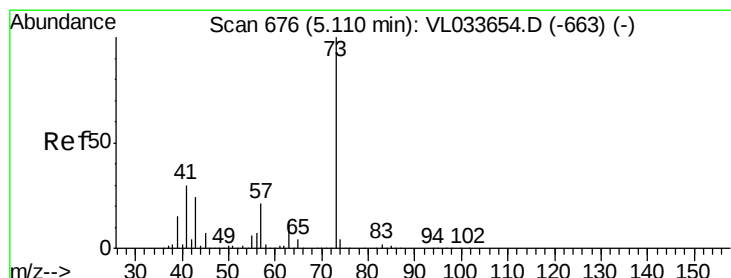
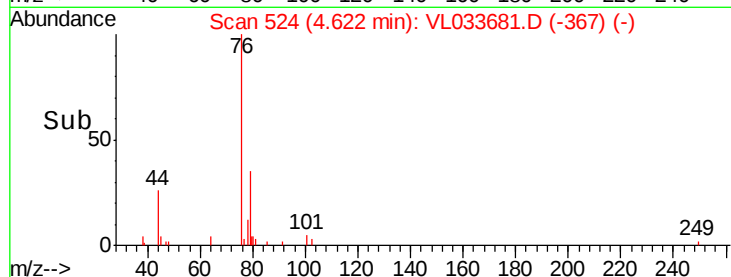
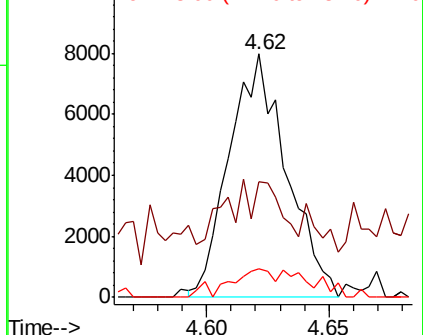
76 100

44 33.3 14.4 21.6#

78 15.9 7.4 11.2#



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: 0.092 ppbv

RT: 5.14 min Scan# 684

Delta R.T. 0.03 min

Lab File: VL033681.D

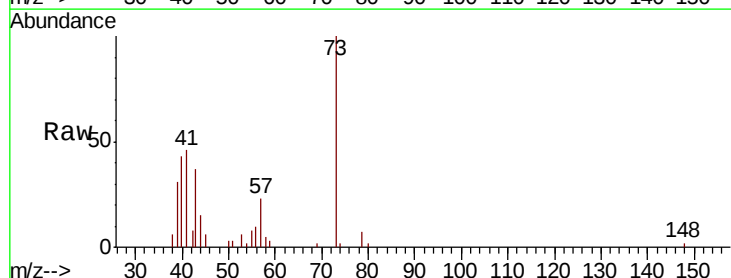
Acq: 7 May 2019 14:17

Tgt Ion: 73 Resp: 14286

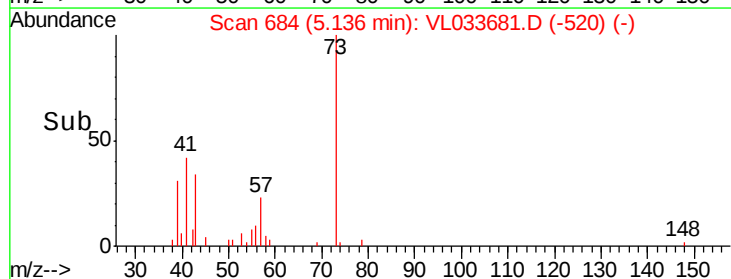
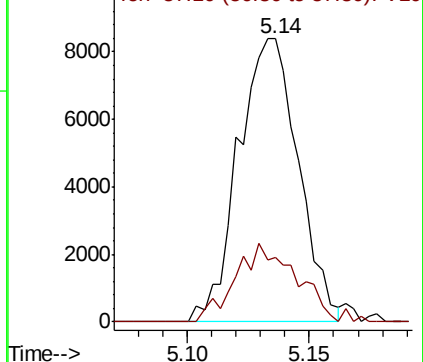
Ion Ratio Lower Upper

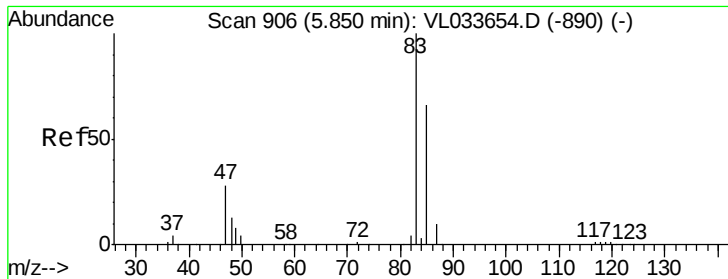
73 100

57 28.6 17.4 26.0#



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

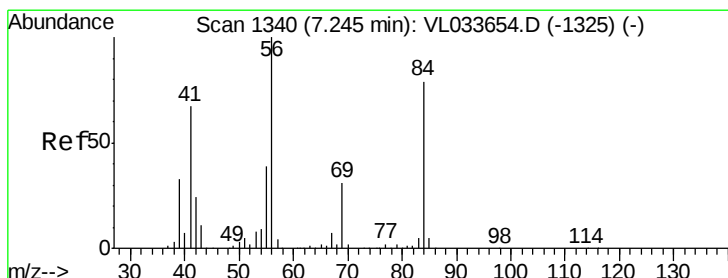
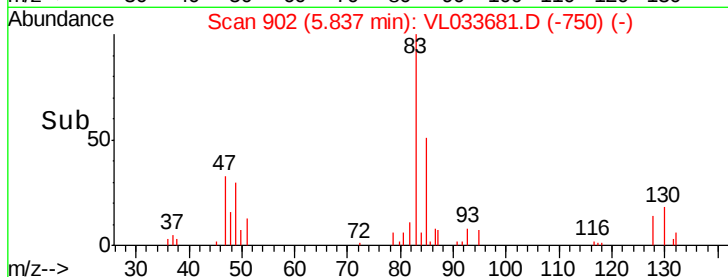
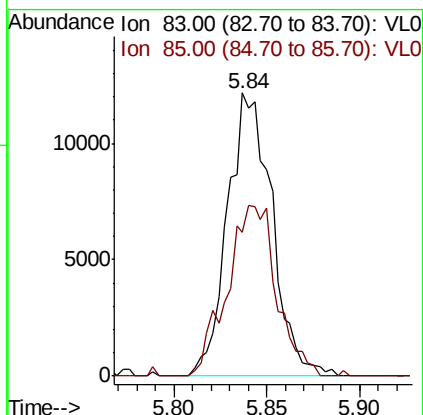
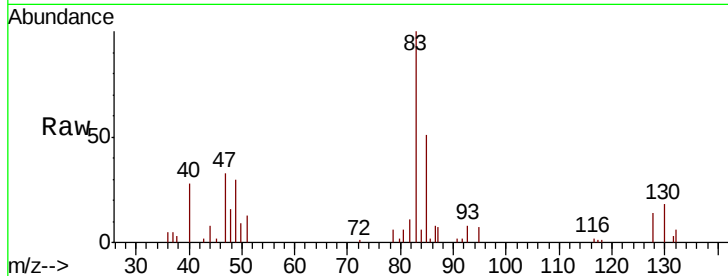




#29
Chloroform
Concen: 0.122 ppbv
RT: 5.84 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL033681.D
Acq: 7 May 2019 14:17

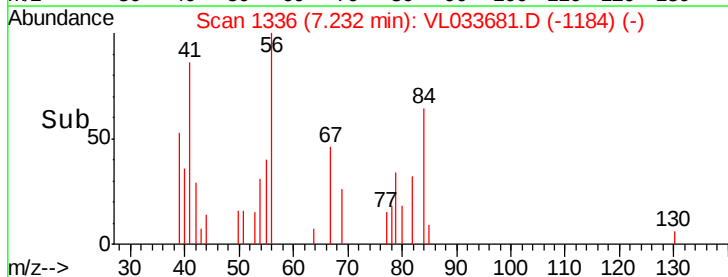
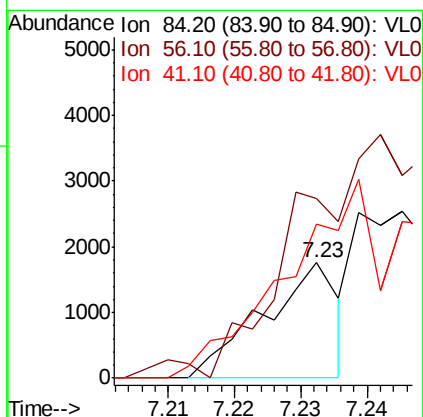
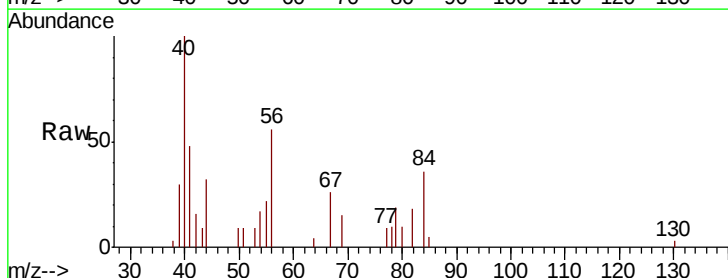
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

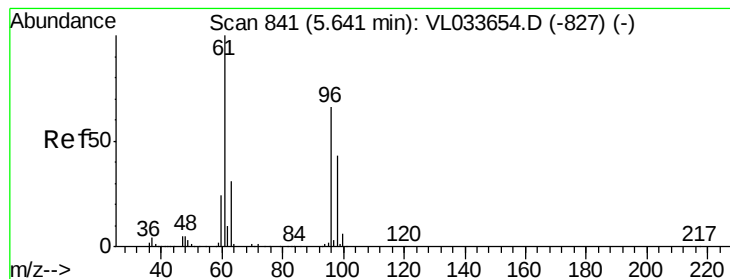
Tgt Ion: 83 Resp: 20256
Ion Ratio Lower Upper
83 100
85 53.1 52.6 78.8



#30
Cyclohexane
Concen: 0.018 ppbv
RT: 7.23 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VL033681.D
Acq: 7 May 2019 14:17

Tgt Ion: 84 Resp: 1386
Ion Ratio Lower Upper
84 100
56 0.0 107.0 160.4#
41 0.0 66.6 99.8#





#31

cis-1,2-Dichloroethene

Concen: 0.050 ppbv

RT: 5.64 min Scan# 840

Delta R.T. -0.00 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

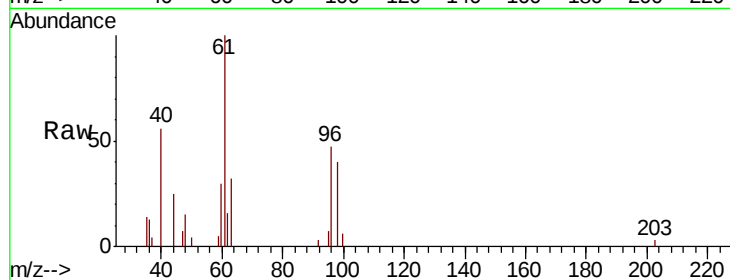
Tgt Ion: 61 Resp: 4574

Ion Ratio Lower Upper

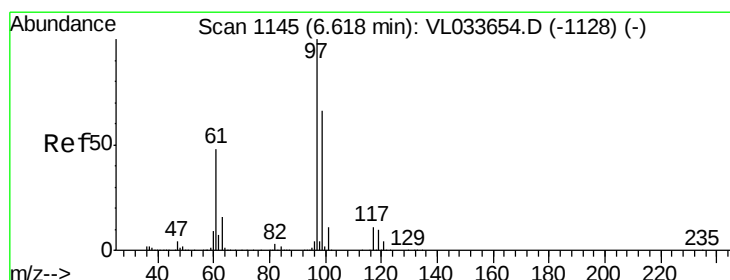
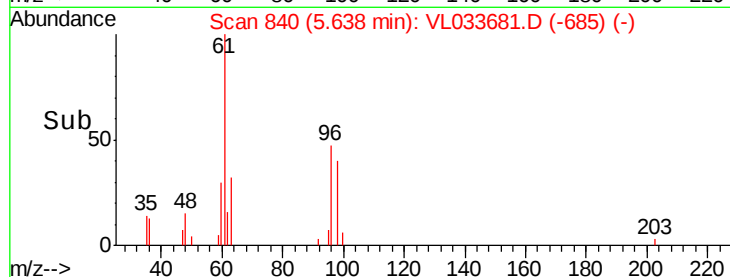
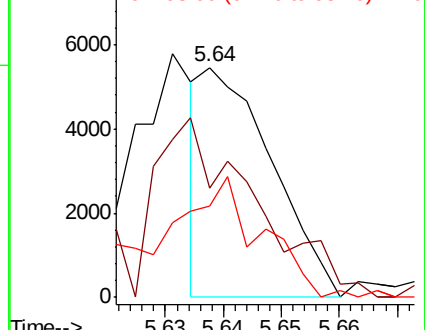
61 100

96 37.4 53.2 79.8#

98 33.1 34.2 51.4#



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



#32

1,1,1-Trichloroethane

Concen: 0.114 ppbv

RT: 6.61 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

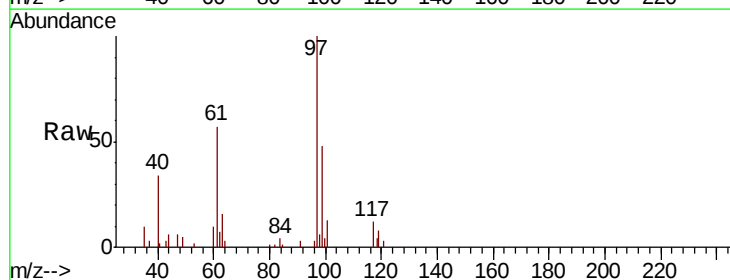
Tgt Ion: 97 Resp: 19628

Ion Ratio Lower Upper

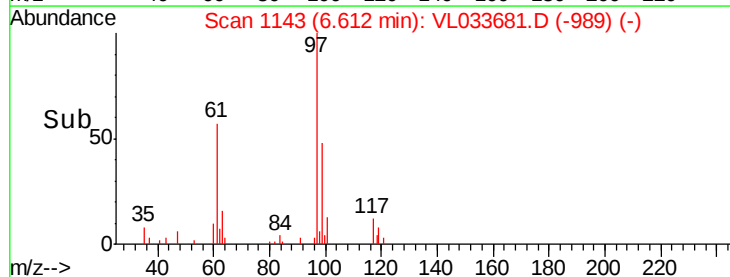
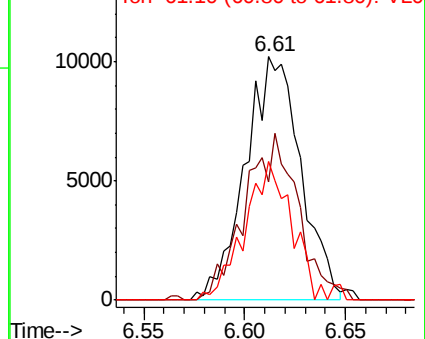
97 100

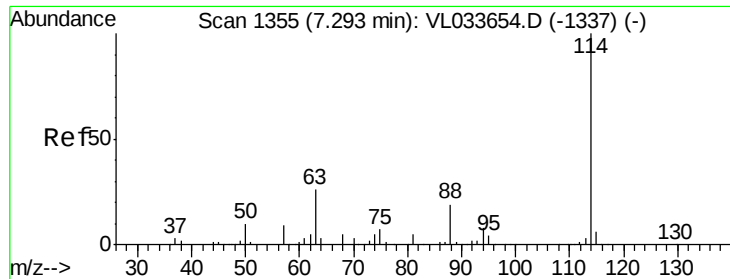
99 65.8 51.4 77.2

61 49.5 38.5 57.7



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

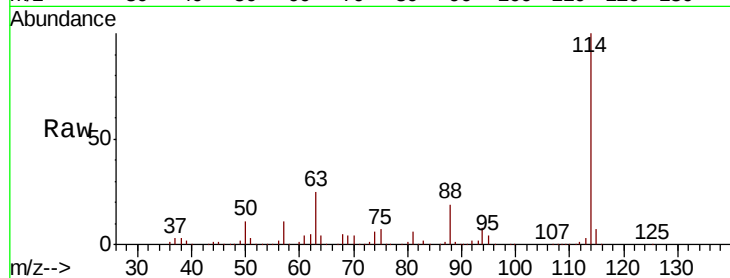




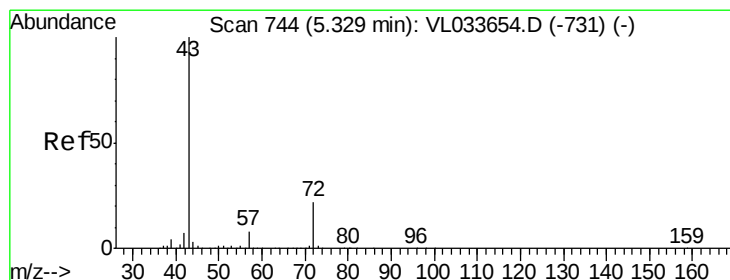
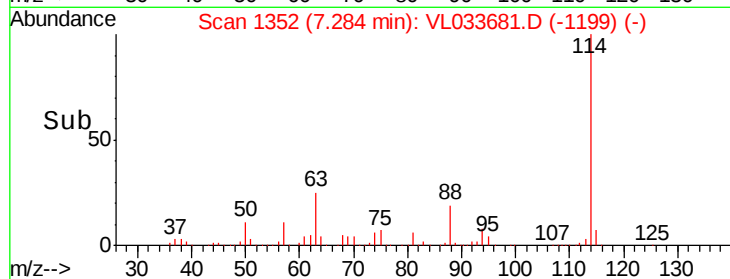
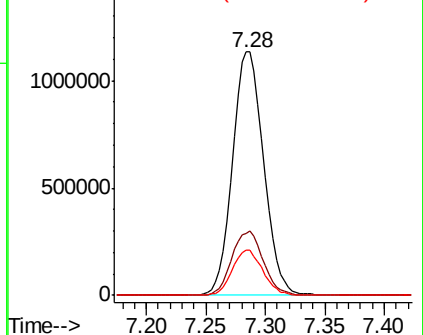
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033681.D
 Acq: 7 May 2019 14:17

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Tgt Ion:114 Resp: 2056432
 Ion Ratio Lower Upper
 114 100
 63 26.7 21.3 31.9
 88 18.2 14.4 21.6

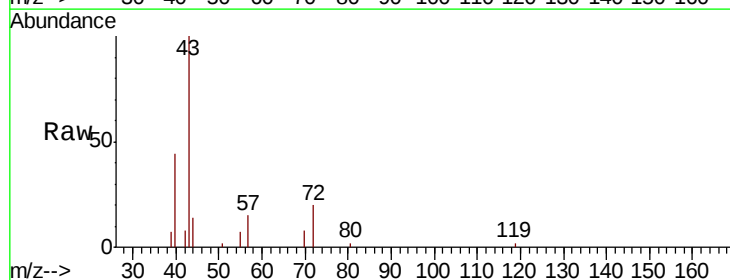


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

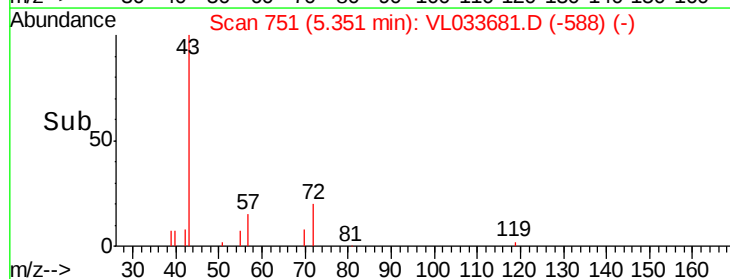
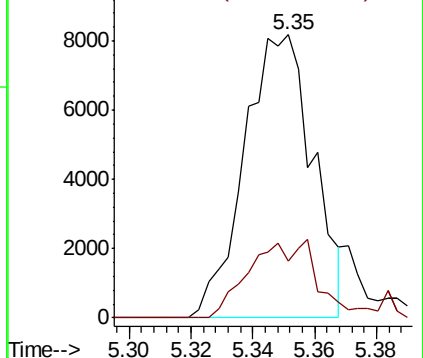


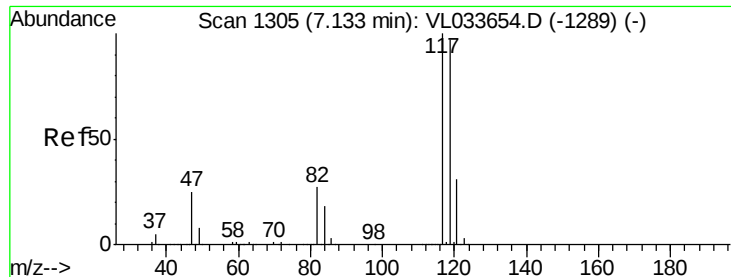
#34
 2-Butanone
 Concen: 0.096 ppbv
 RT: 5.35 min Scan# 751
 Delta R.T. 0.02 min
 Lab File: VL033681.D
 Acq: 7 May 2019 14:17

Tgt Ion: 43 Resp: 12608
 Ion Ratio Lower Upper
 43 100
 72 29.9 17.5 26.3#



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

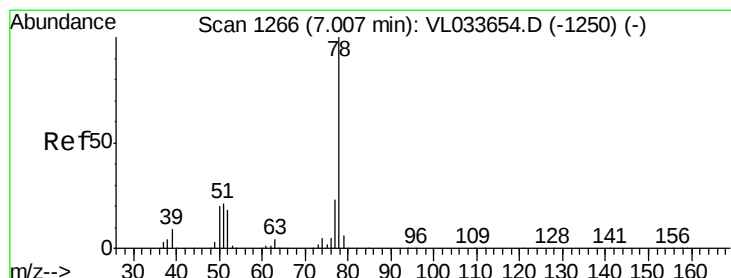
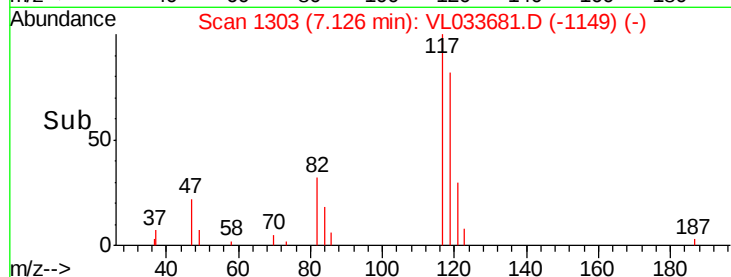
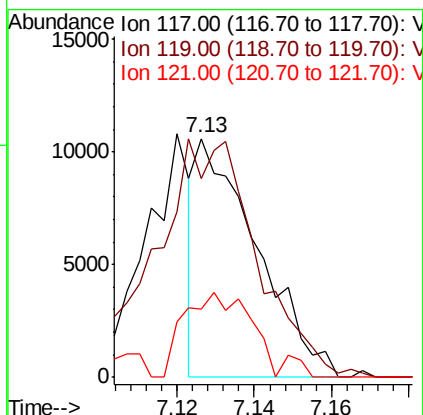
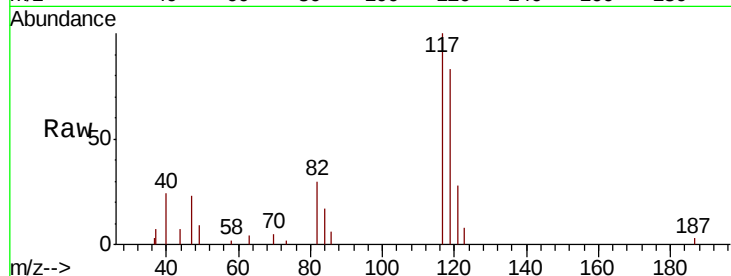




#35
Carbon Tetrachloride
Concen: 0.068 ppbv
RT: 7.13 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VL033681.D
Acq: 7 May 2019 14:17

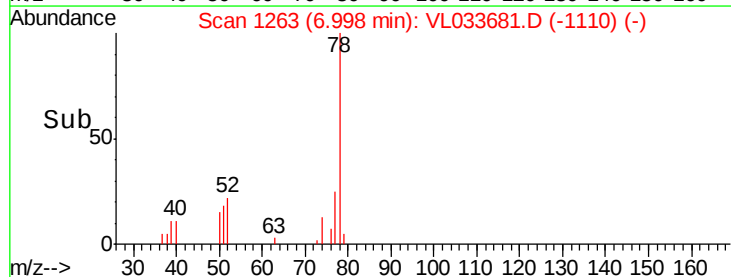
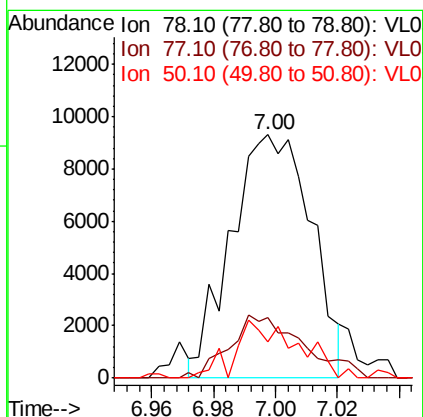
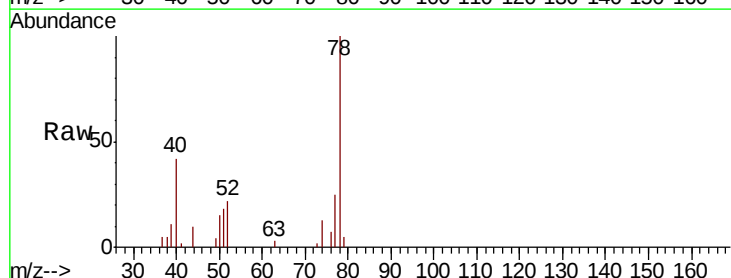
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

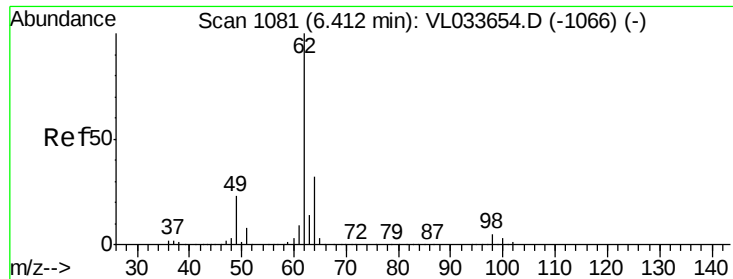
Tgt Ion: 117 Resp: 11448
Ion Ratio Lower Upper
117 100
119 81.6 77.9 116.9
121 28.4 25.0 37.6



#36
Benzene
Concen: 0.091 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033681.D
Acq: 7 May 2019 14:17

Tgt Ion: 78 Resp: 16736
Ion Ratio Lower Upper
78 100
77 24.8 18.2 27.2
50 16.2 15.8 23.6

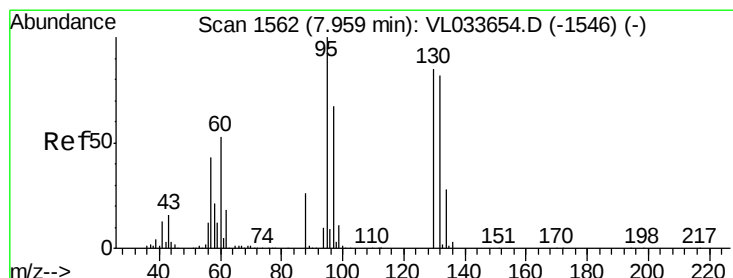
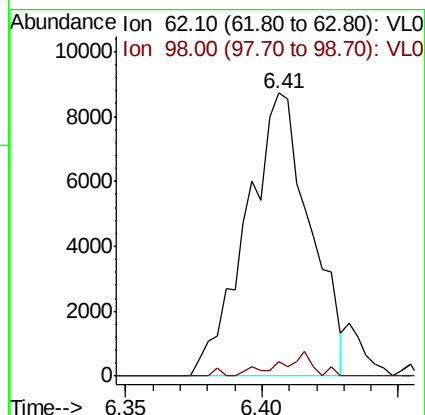
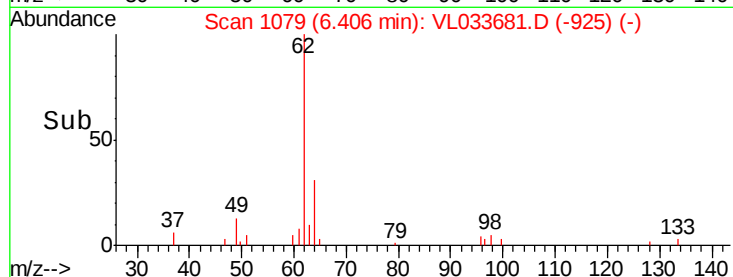
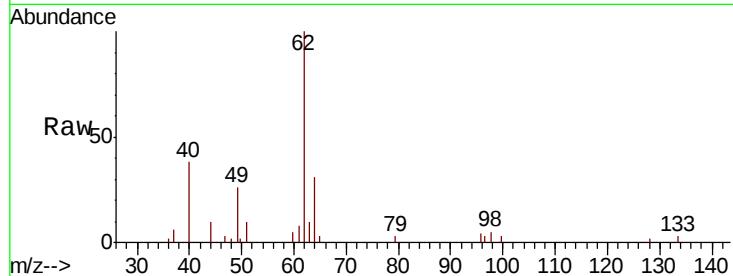




#37
 1,2-Dichloroethane
 Concen: 0.109 ppbv
 RT: 6.41 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: VL033681.D
 Acq: 7 May 2019 14:17

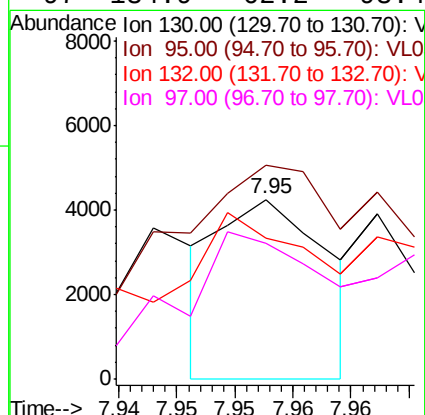
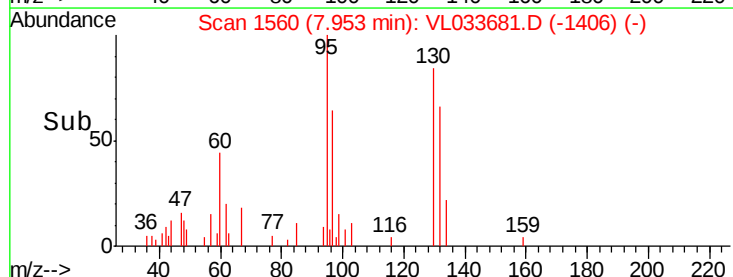
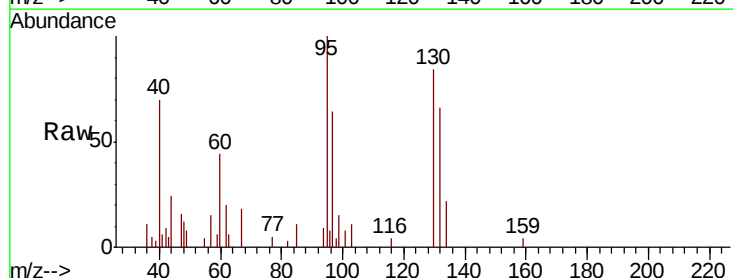
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

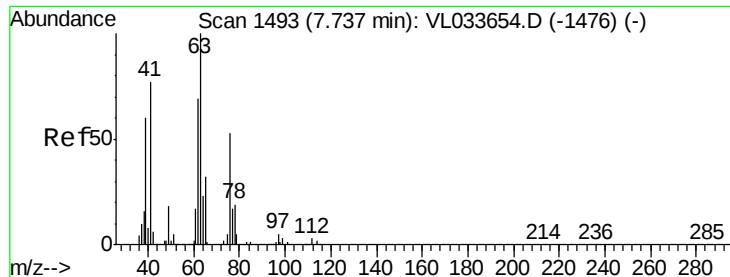
Tgt Ion: 62 Resp: 14048
 Ion Ratio Lower Upper
 62 100
 98 4.9 4.5 6.7



#38
 Trichloroethene
 Concen: 0.040 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: VL033681.D
 Acq: 7 May 2019 14:17

Tgt Ion: 130 Resp: 2730
 Ion Ratio Lower Upper
 130 100
 95 135.4 93.4 140.0
 132 69.3 76.2 114.4#
 97 134.9 62.2 93.4#





#39

1,2-Dichloropropane

Concen: 7.898 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.45 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

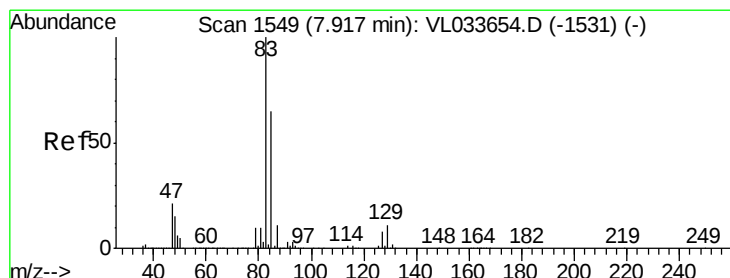
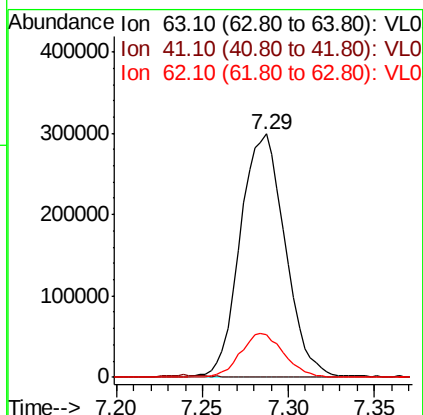
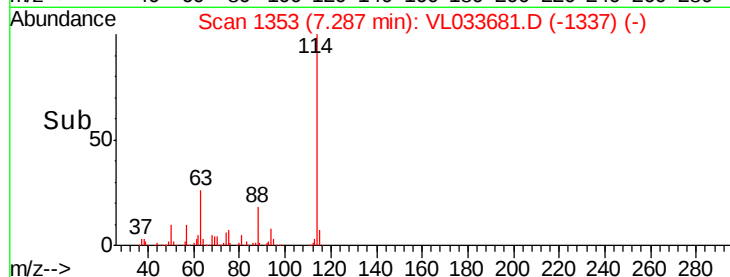
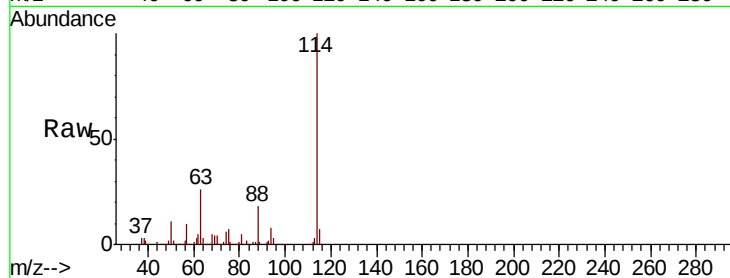
Tgt Ion: 63 Resp: 542773

Ion Ratio Lower Upper

63 100

41 0.0 61.6 92.4#

62 17.3 55.0 82.6#



#42

Bromodichloromethane

Concen: 0.058 ppbv

RT: 7.91 min Scan# 1548

Delta R.T. -0.00 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

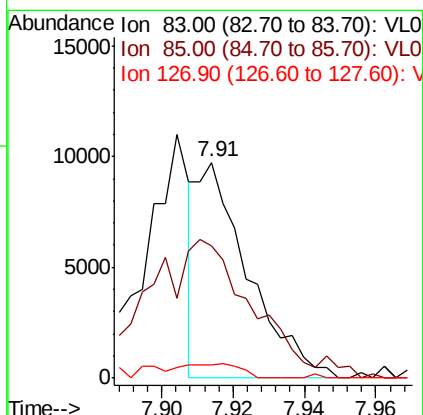
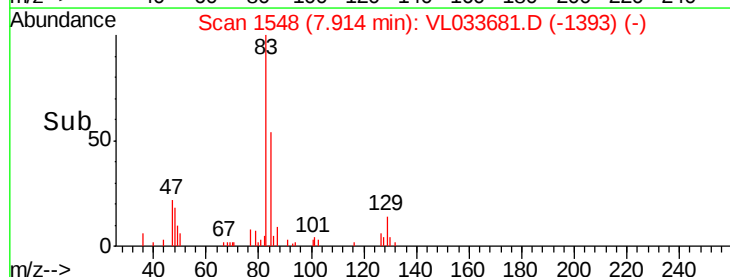
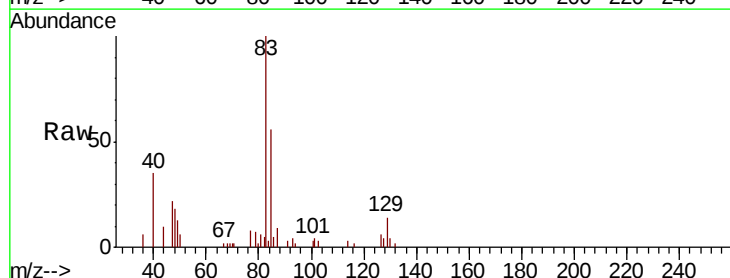
Tgt Ion: 83 Resp: 9680

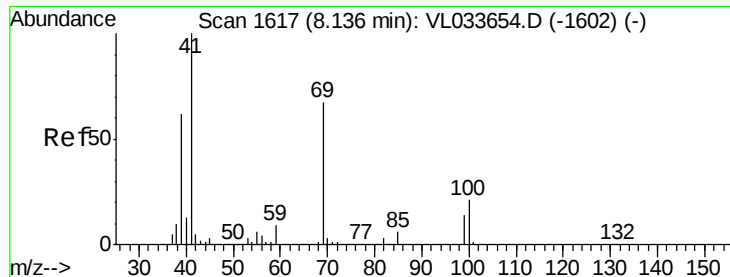
Ion Ratio Lower Upper

83 100

85 57.5 52.4 78.6

127 9.7 6.6 9.8





#43

Methyl Methacrylate

Concen: 0.012 ppbv

RT: 8.13 min Scan# 1614

Delta R.T. -0.01 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

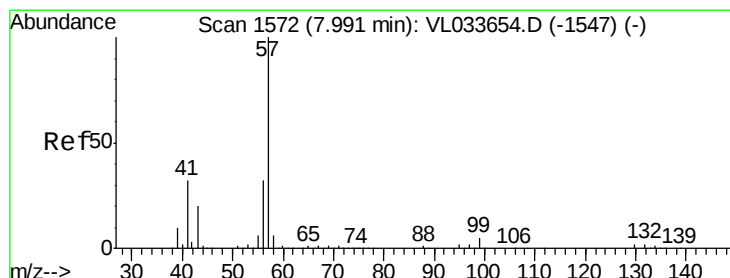
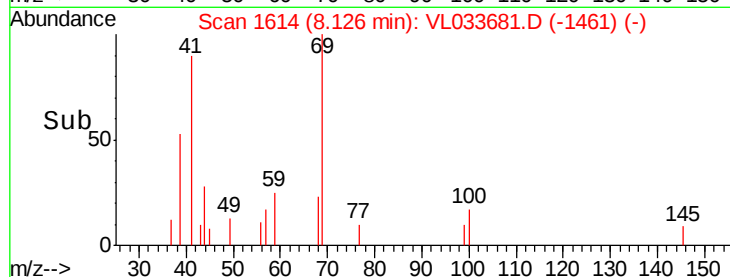
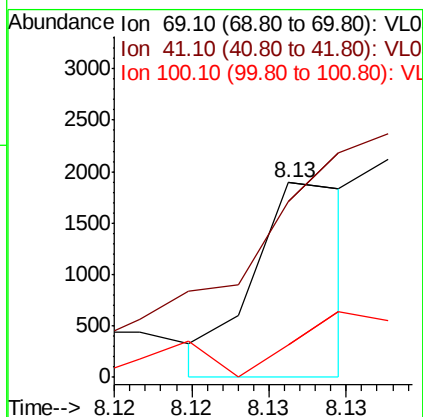
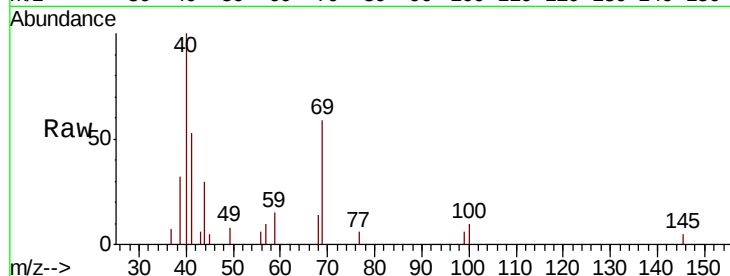
Tgt Ion: 69 Resp: 835

Ion Ratio Lower Upper

69 100

41 0.0 116.6 175.0#

100 0.0 24.6 37.0#



#44

2,2,4-Trimethylpentane

Concen: 0.035 ppbv

RT: 7.98 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

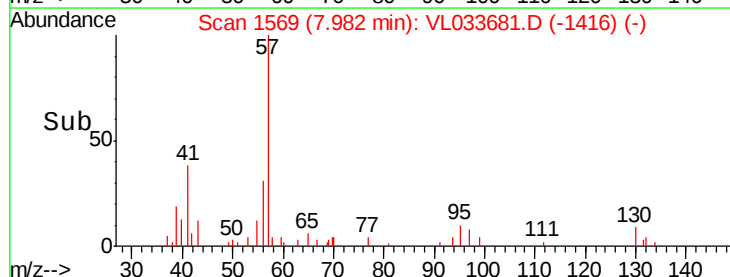
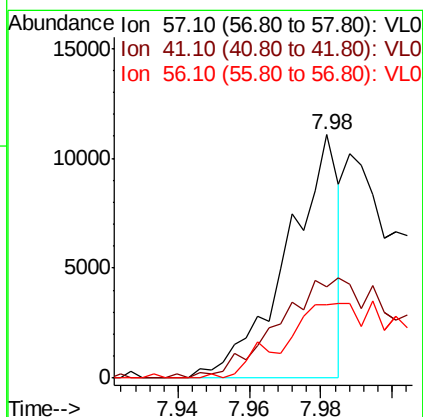
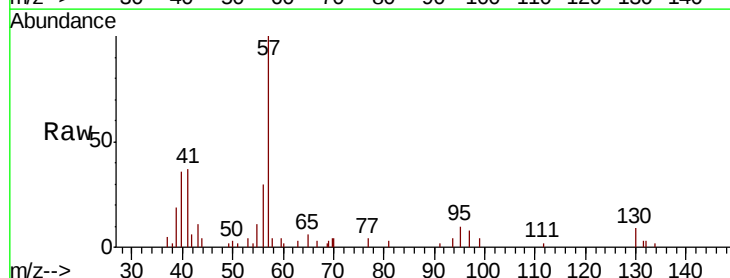
Tgt Ion: 57 Resp: 11162

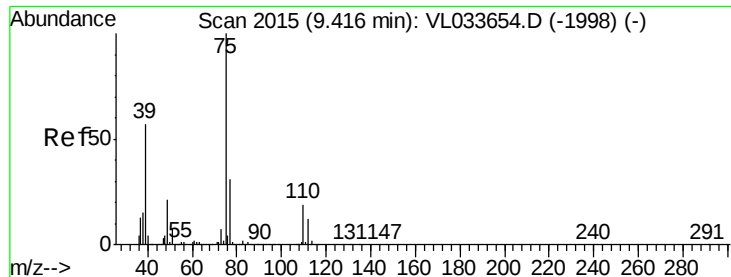
Ion Ratio Lower Upper

57 100

41 0.0 25.7 38.5#

56 0.0 25.0 37.6#





#45

t-1,3-Dichloropropene

Concen: 0.041 ppbv

RT: 9.41 min Scan# 2012

Delta R.T. -0.01 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

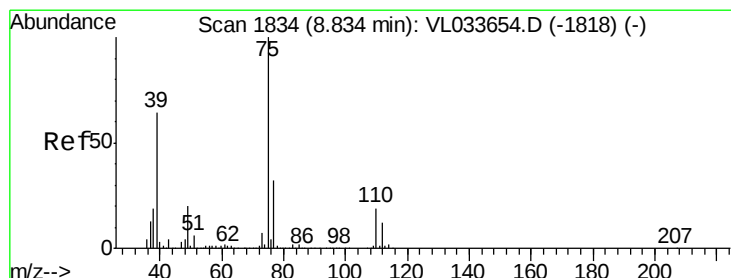
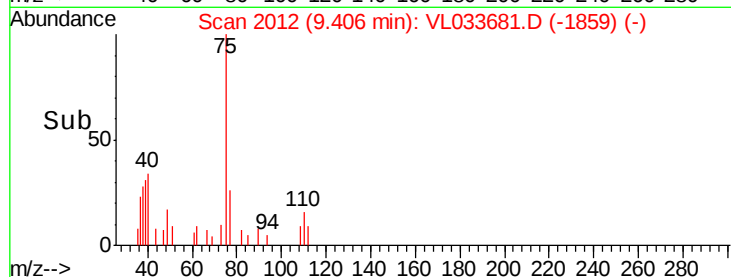
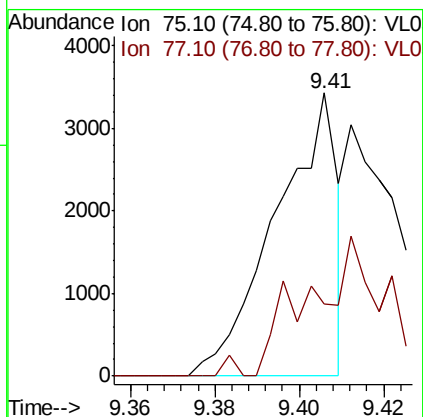
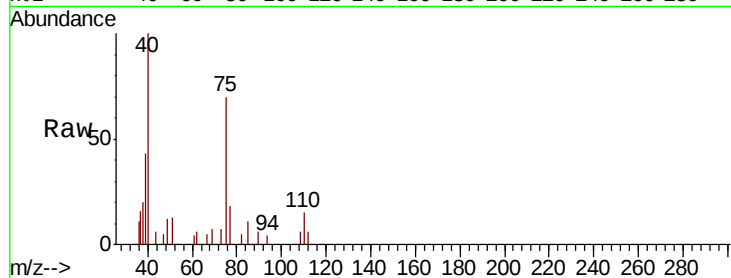
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 75 Resp: 3463

Ion Ratio Lower Upper

75 100

77 25.7 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 0.019 ppbv

RT: 8.81 min Scan# 1828

Delta R.T. -0.02 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

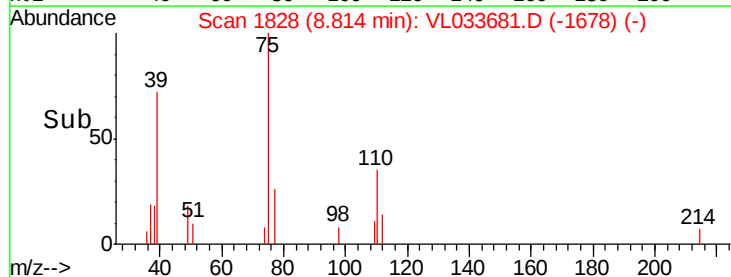
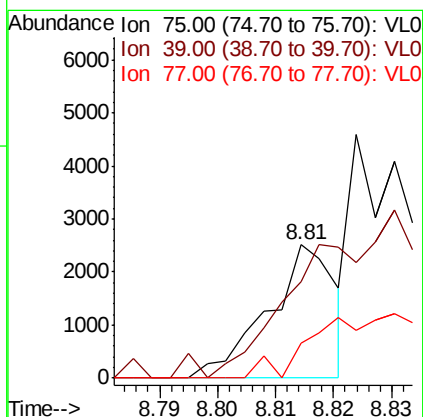
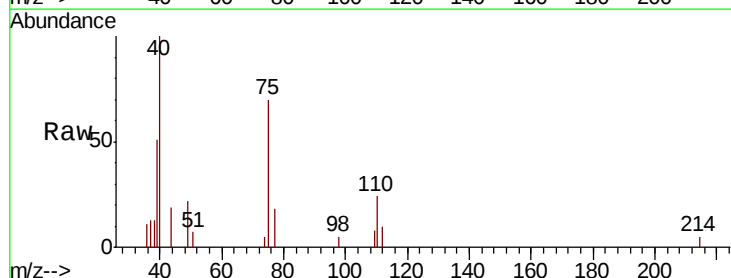
Tgt Ion: 75 Resp: 2015

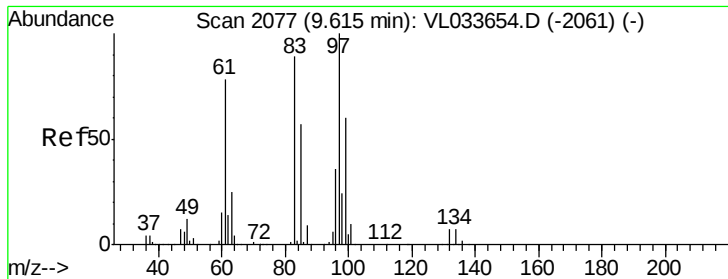
Ion Ratio Lower Upper

75 100

39 54.1 51.5 77.3

77 26.2 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 0.051 ppbv

RT: 9.60 min Scan# 2073

Delta R.T. -0.01 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 97 Resp: 3990

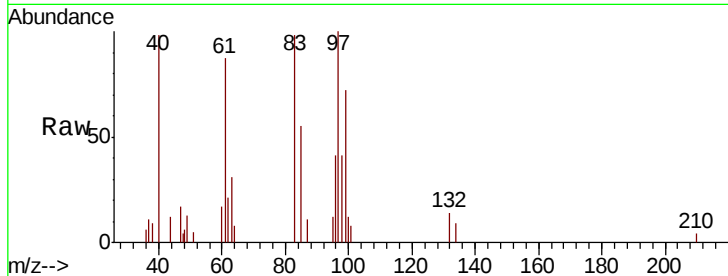
Ion Ratio Lower Upper

97 100

83 98.2 70.9 106.3

85 47.5 45.8 68.6

99 83.7 48.2 72.4#

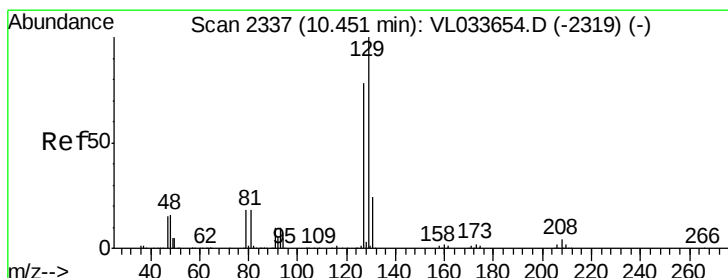
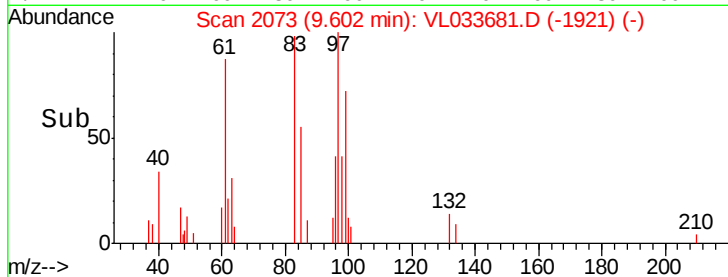
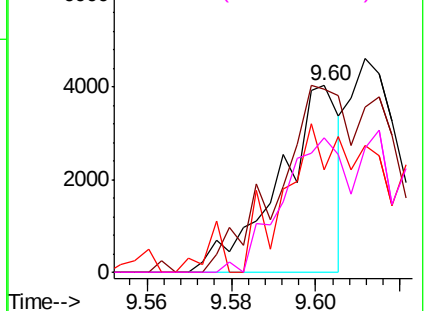


Abundance Ion 97.00 (96.70 to 97.70): VL0

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



#48

Dibromochloromethane

Concen: 0.067 ppbv

RT: 10.44 min Scan# 2335

Delta R.T. -0.01 min

Lab File: VL033681.D

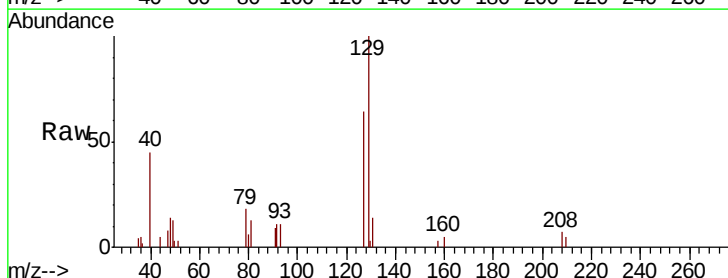
Acq: 7 May 2019 14:17

Tgt Ion: 129 Resp: 8934

Ion Ratio Lower Upper

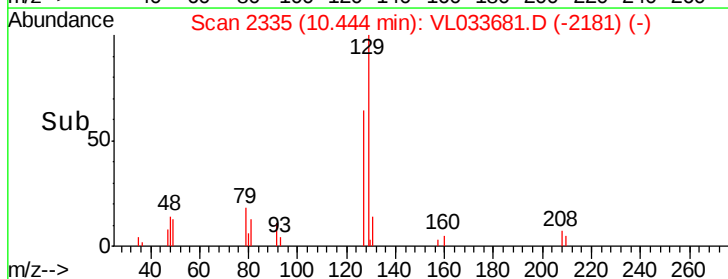
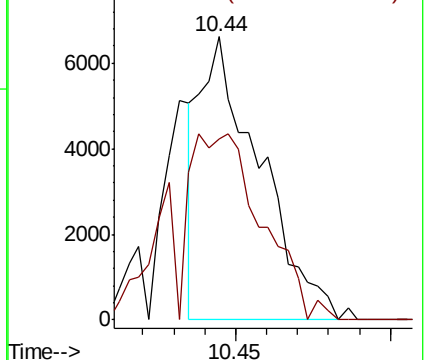
129 100

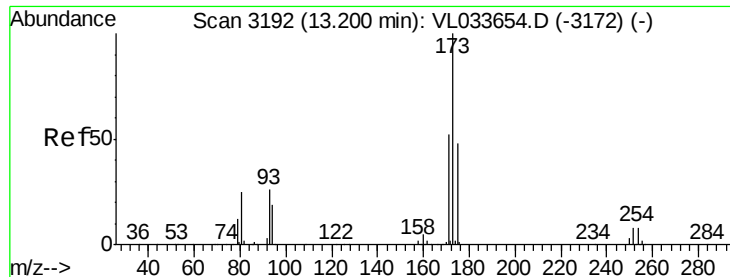
127 98.5 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.039 ppbv

RT: 13.18 min Scan# 3187

Delta R.T. -0.02 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

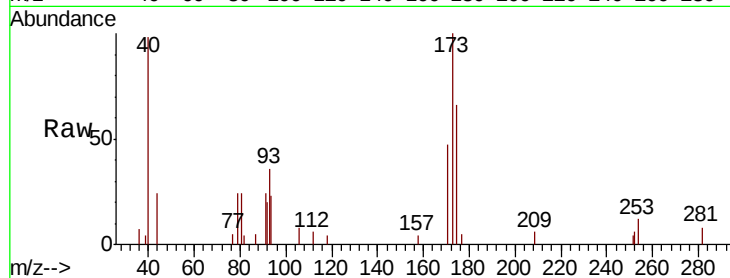
Tgt Ion:173 Resp: 4546

Ion Ratio Lower Upper

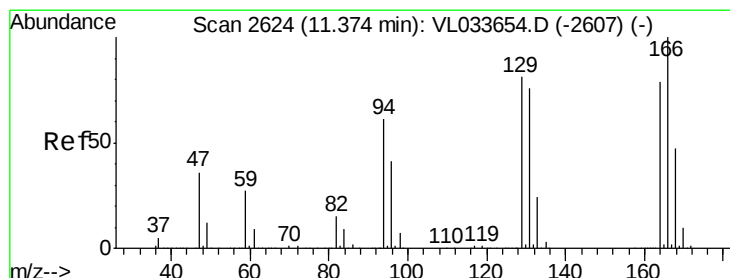
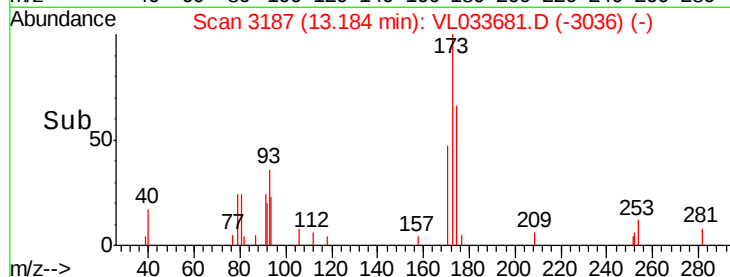
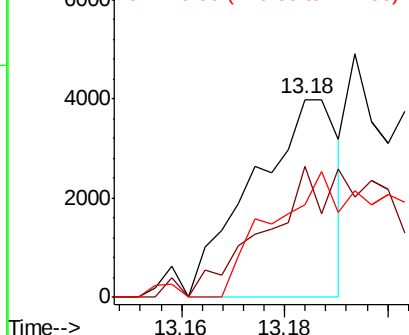
173 100

175 113.3 39.3 58.9#

171 101.9 41.5 62.3#



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



#52

Tetrachloroethene

Concen: 0.021 ppbv

RT: 11.35 min Scan# 2617

Delta R.T. -0.02 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Tgt Ion:164 Resp: 1373

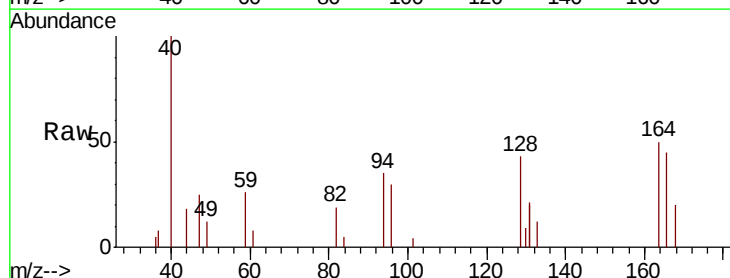
Ion Ratio Lower Upper

164 100

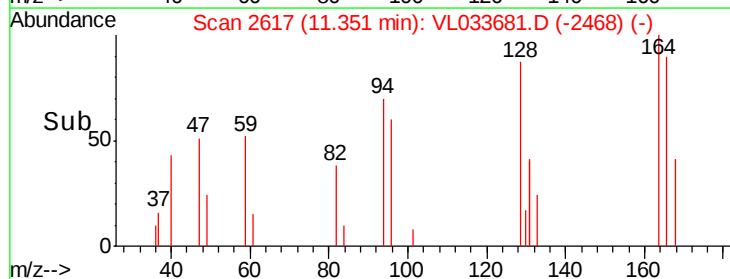
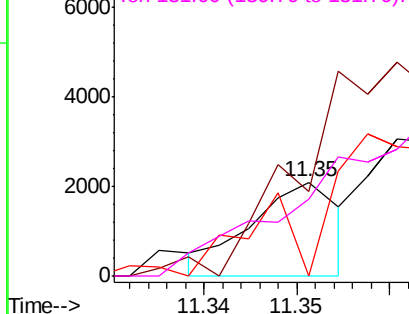
166 90.6 100.6 151.0#

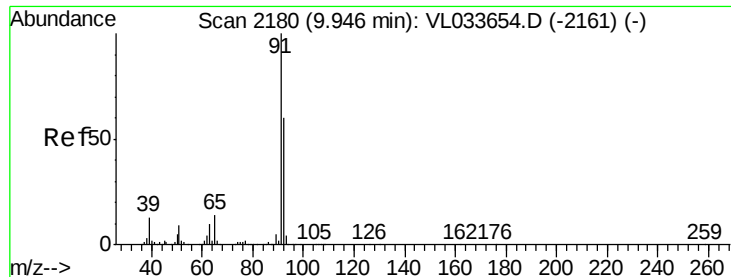
129 0.0 81.0 121.6#

131 76.4 76.4 114.6#



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: 0.036 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

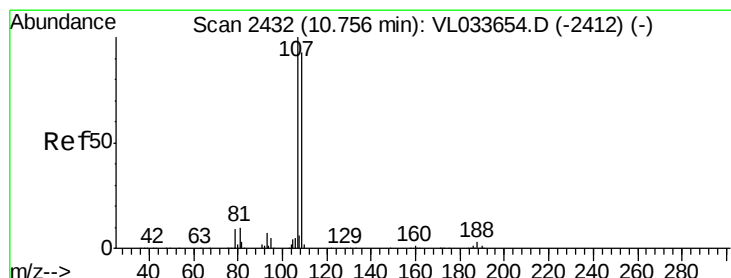
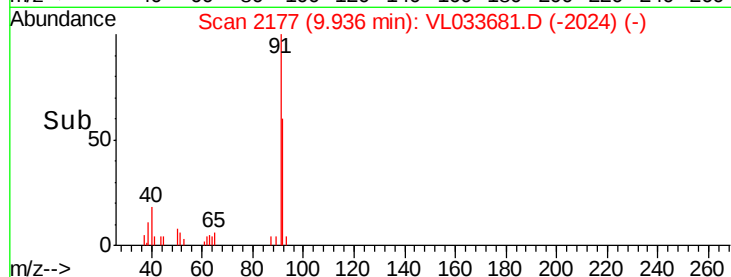
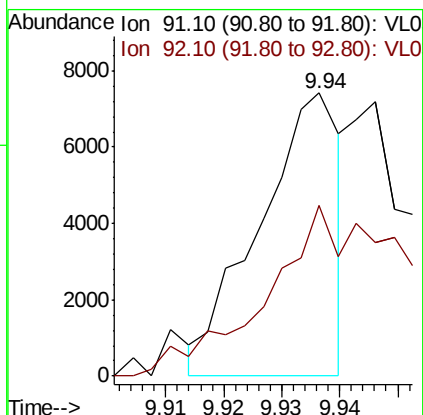
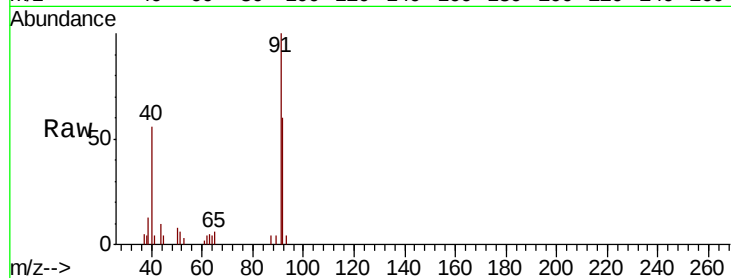
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 91 Resp: 7156

Ion Ratio Lower Upper

91 100

92 111.4 47.7 71.5#



#54

1,2-Dibromoethane

Concen: 0.023 ppbv

RT: 10.74 min Scan# 2427

Delta R.T. -0.02 min

Lab File: VL033681.D

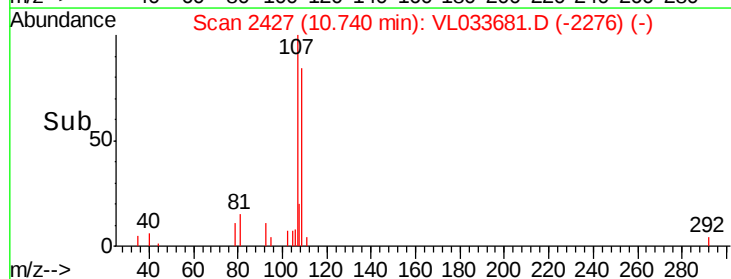
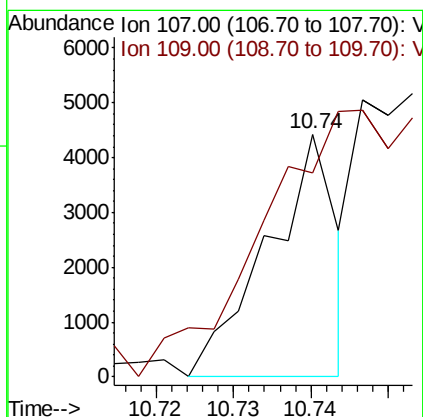
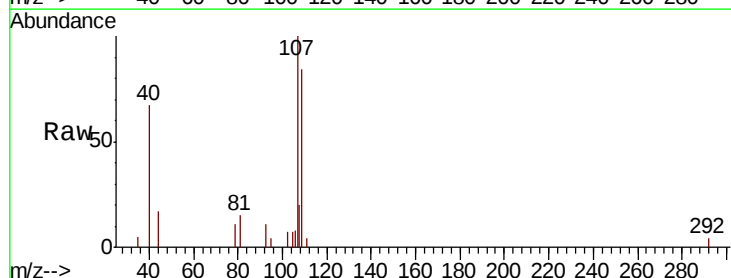
Acq: 7 May 2019 14:17

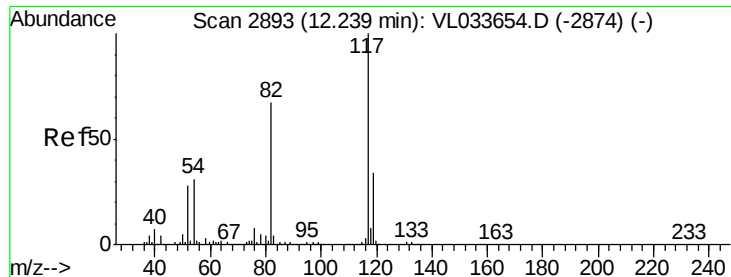
Tgt Ion: 107 Resp: 2742

Ion Ratio Lower Upper

107 100

109 66.3 74.6 111.8#

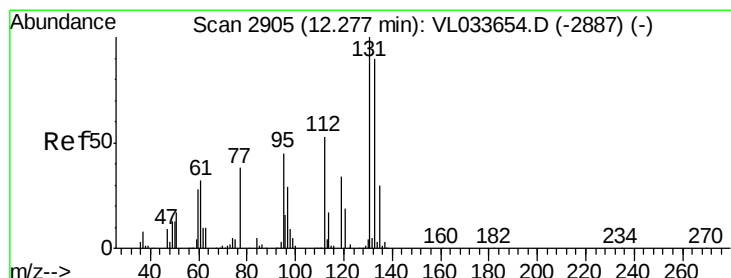
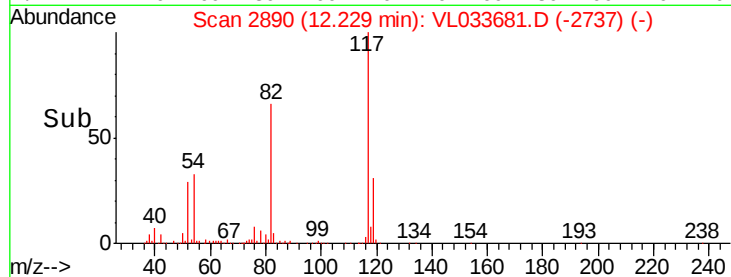
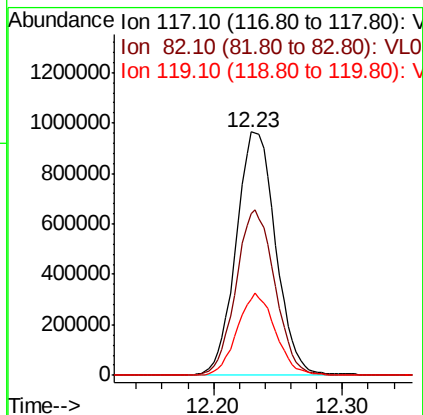
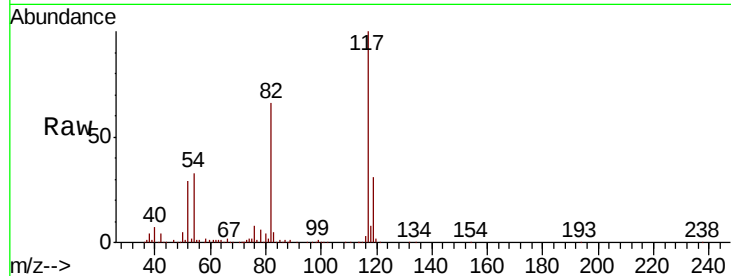




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033681.D
Acq: 7 May 2019 14:17

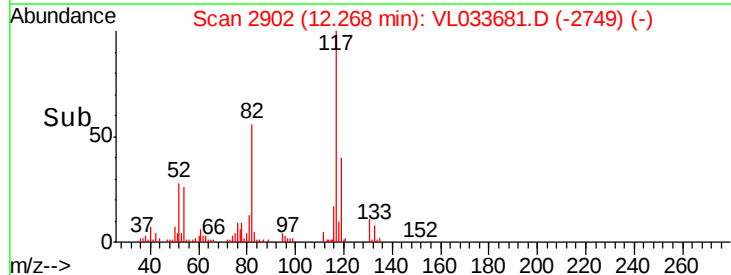
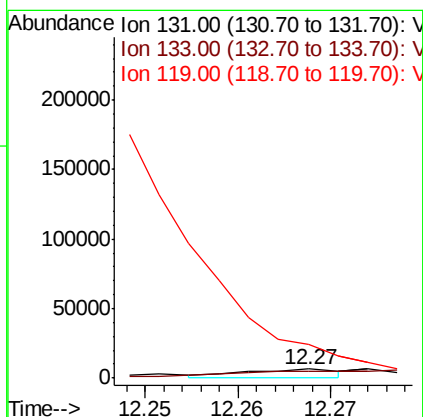
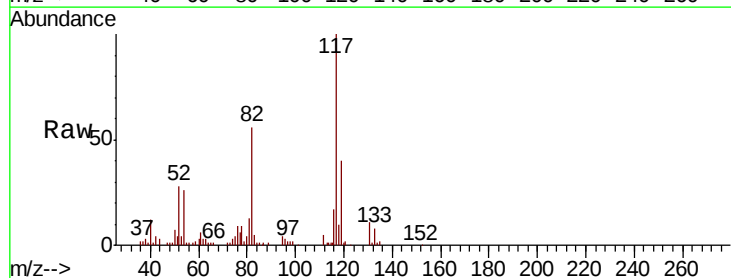
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

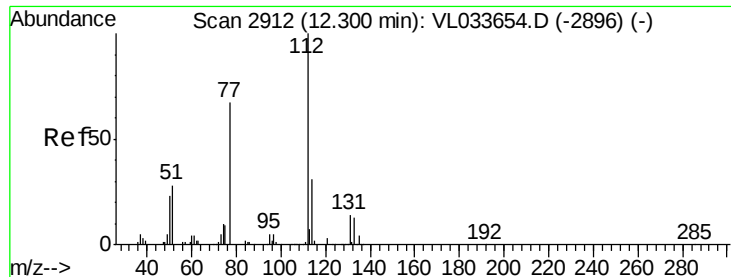
Tgt Ion:117 Resp: 2061979
Ion Ratio Lower Upper
117 100
82 67.0 49.7 74.5
119 32.7 24.8 37.2



#56
1,1,1,2-Tetrachloroethane
Concen: 0.049 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL033681.D
Acq: 7 May 2019 14:17

Tgt Ion:131 Resp: 4624
Ion Ratio Lower Upper
131 100
133 0.0 76.0 114.0#
119 0.0 45.4 68.2#





#57

Chlorobenzene

Concen: 0.118 ppbv

RT: 12.29 min Scan# 2909

Delta R.T. -0.01 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

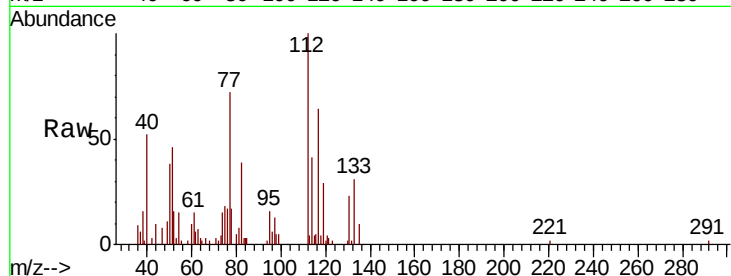
Tgt Ion: 112 Resp: 19987

Ion Ratio Lower Upper

112 100

77 52.5 54.4 81.6#

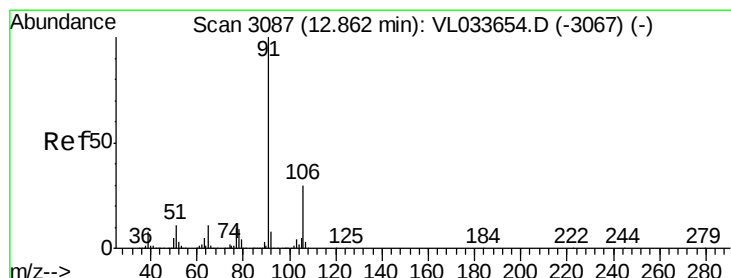
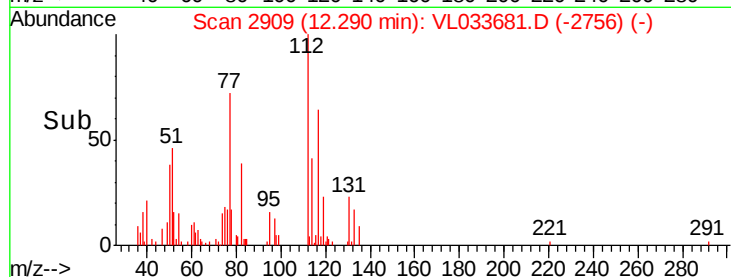
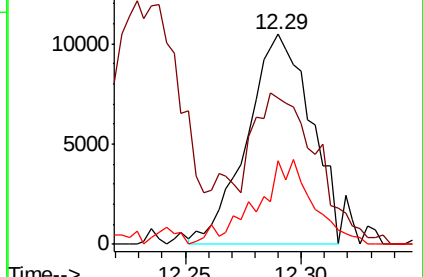
114 43.8 28.2 34.4#



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: 0.037 ppbv

RT: 12.86 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VL033681.D

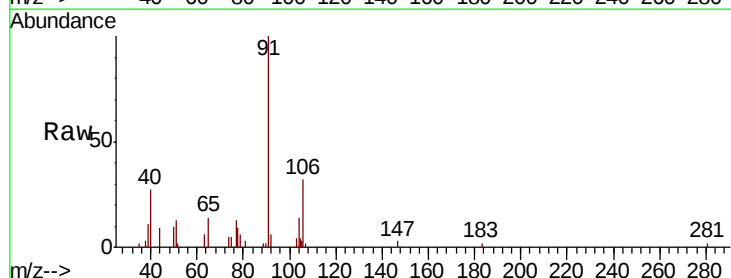
Acq: 7 May 2019 14:17

Tgt Ion: 91 Resp: 9845

Ion Ratio Lower Upper

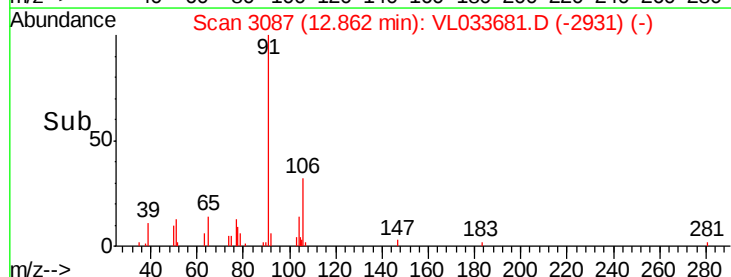
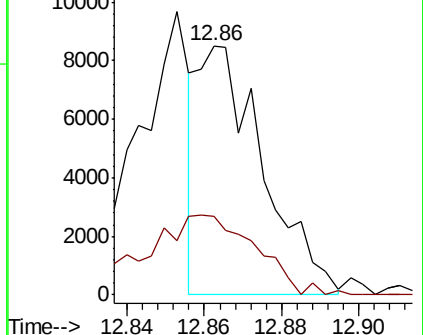
91 100

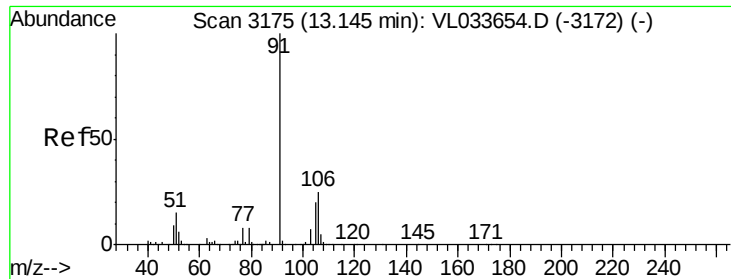
106 30.4 23.7 35.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

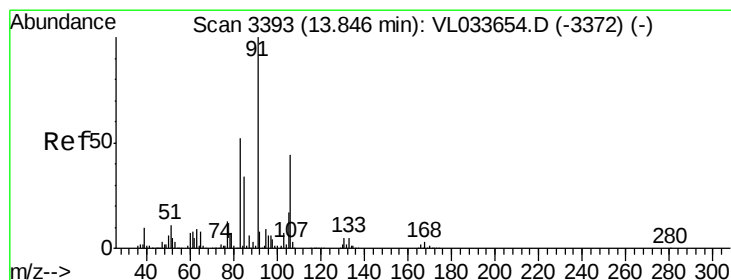
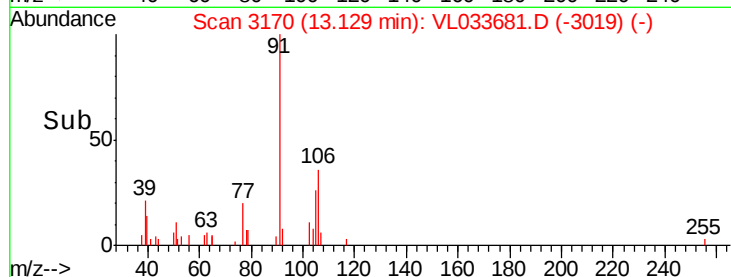
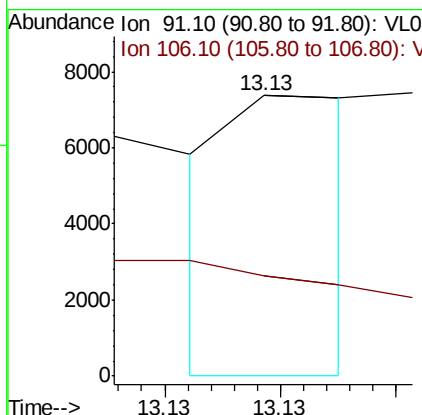
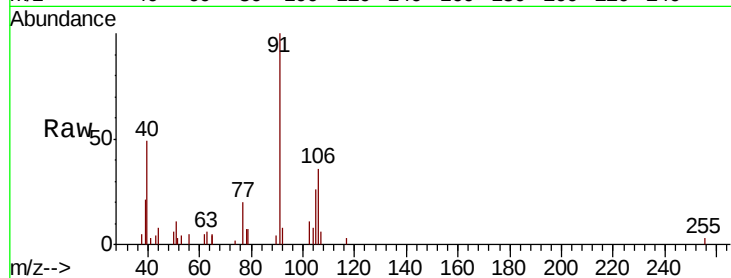




#59
m/p-Xylene
Concen: 0.012 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.02 min
Lab File: VL033681.D
Acq: 7 May 2019 14:17

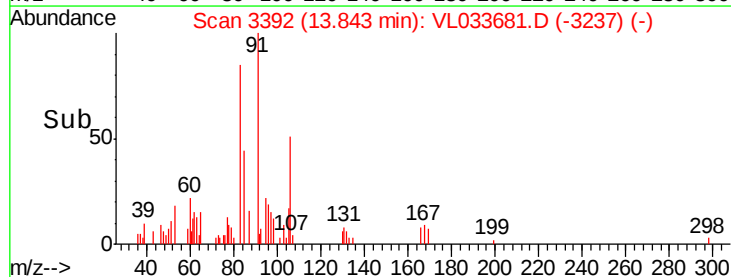
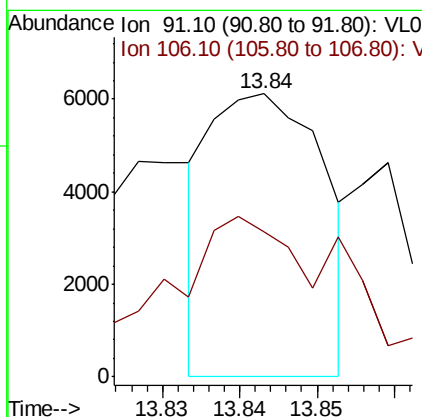
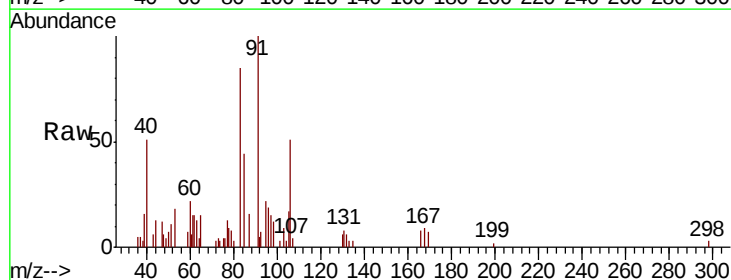
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

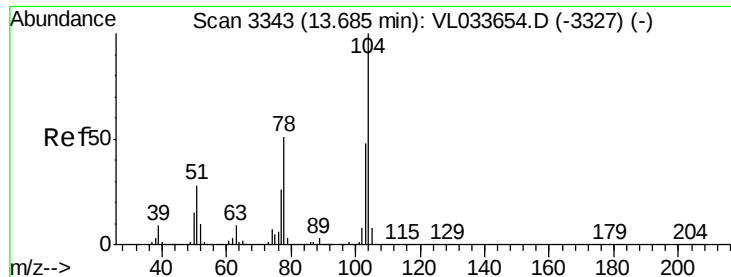
Tgt Ion: 91 Resp: 2832
Ion Ratio Lower Upper
91 100
106 0.0 36.2 54.2#



#60
o-Xylene
Concen: 0.026 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VL033681.D
Acq: 7 May 2019 14:17

Tgt Ion: 91 Resp: 6241
Ion Ratio Lower Upper
91 100
106 102.7 21.7 65.1#

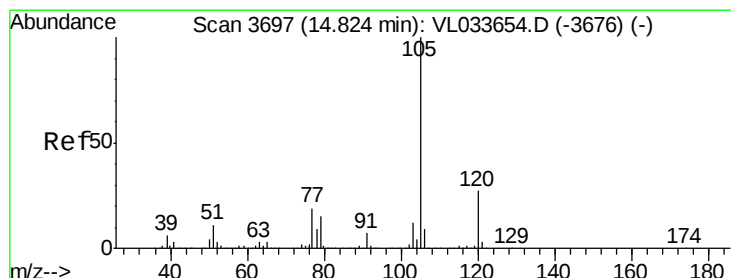
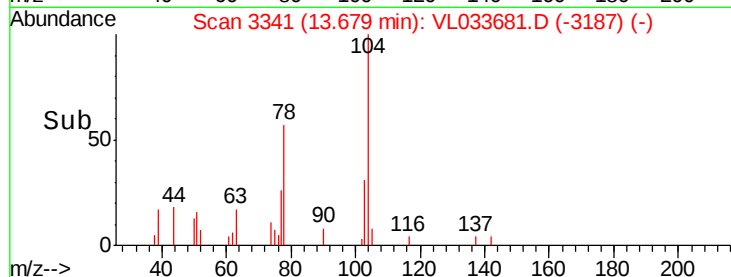
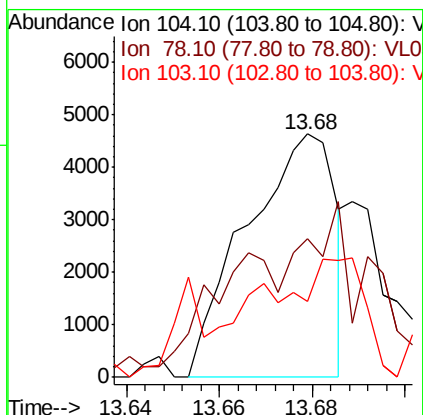
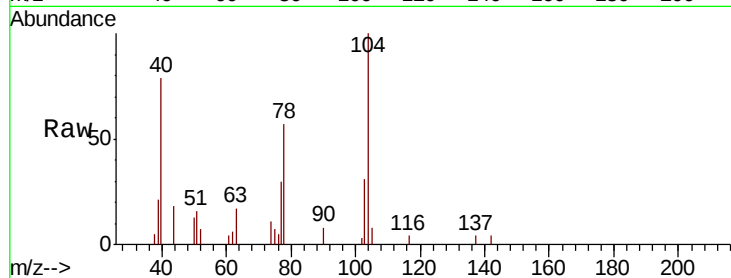




#61
Styrene
Concen: 0.039 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL033681.D
Acq: 7 May 2019 14:17

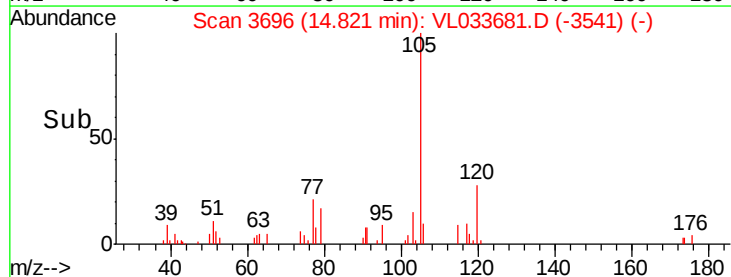
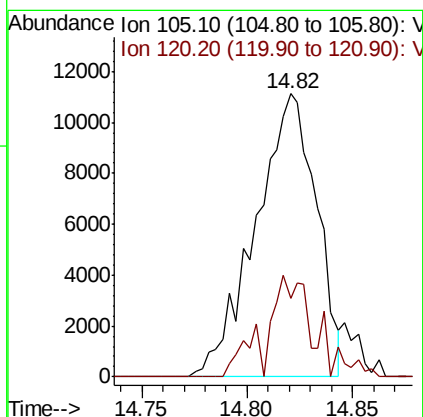
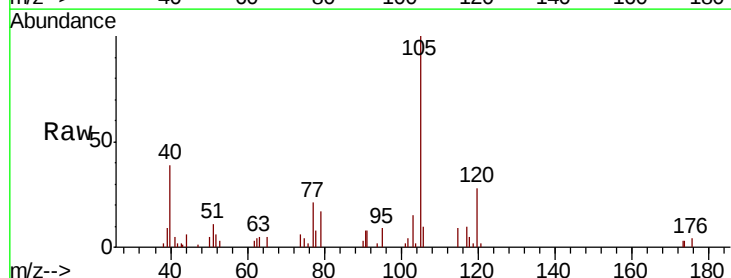
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

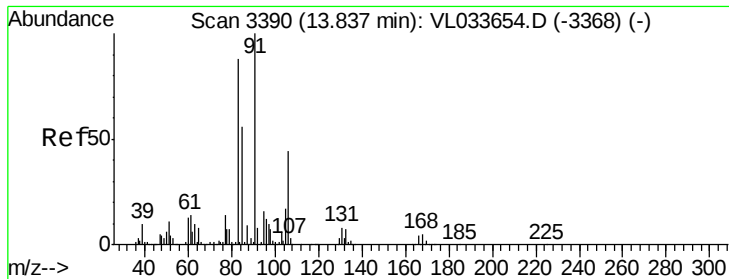
Tgt Ion:104 Resp: 6166
Ion Ratio Lower Upper
104 100
78 0.0 43.0 64.6#
103 0.0 38.1 57.1#



#62
Isopropylbenzene
Concen: 0.068 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL033681.D
Acq: 7 May 2019 14:17

Tgt Ion:105 Resp: 22283
Ion Ratio Lower Upper
105 100
120 29.2 20.5 30.7

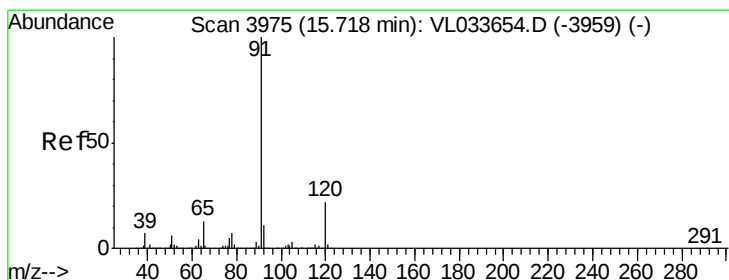
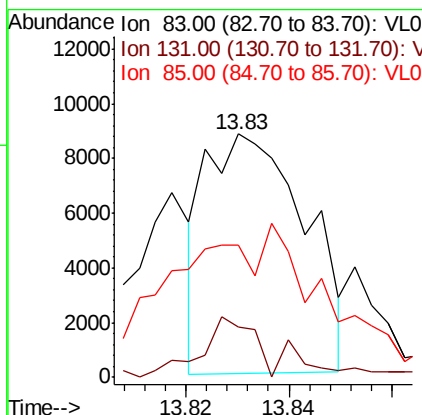
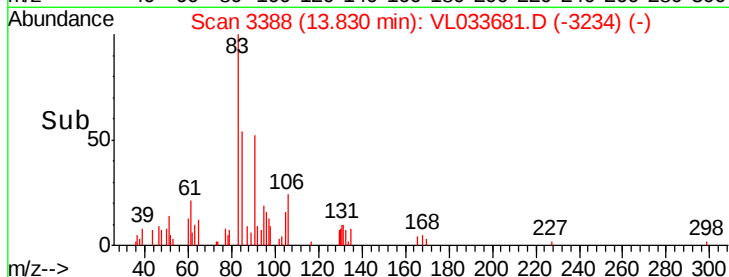
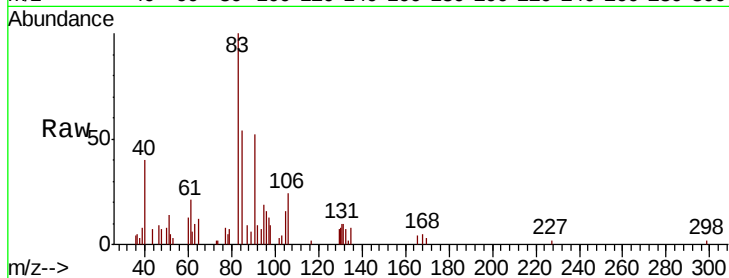




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.068 ppbv
 RT: 13.83 min Scan# 3388
 Delta R.T. -0.01 min
 Lab File: VL033681.D
 Acq: 7 May 2019 14:17

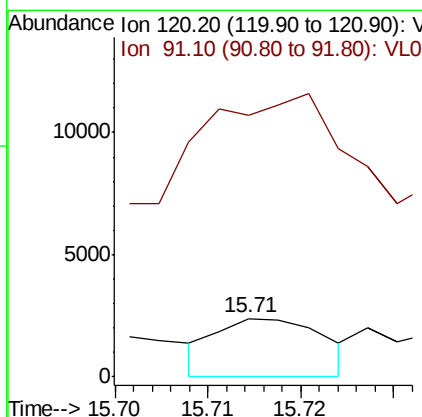
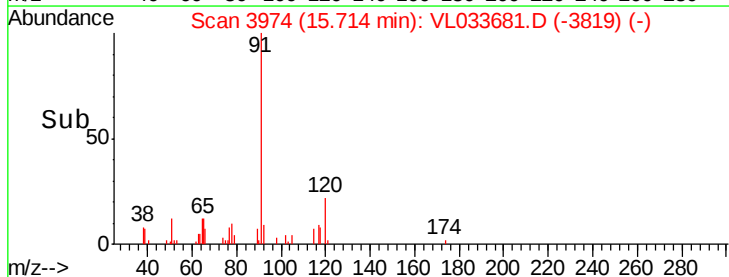
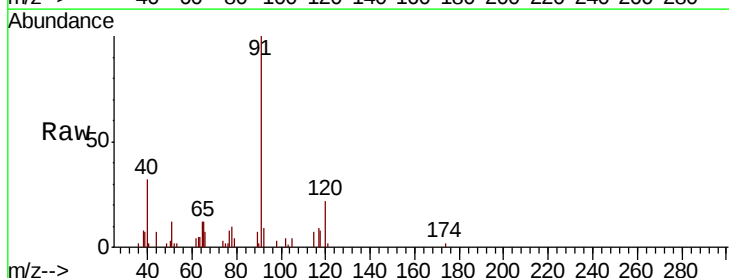
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

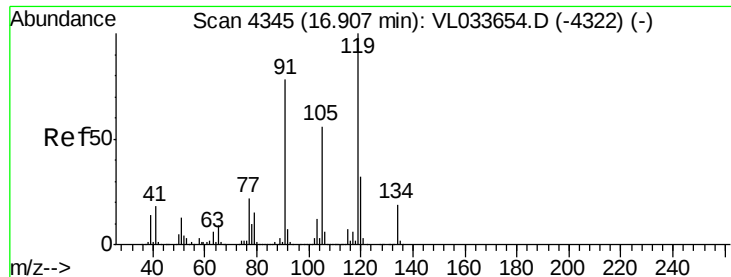
Tgt Ion: 83 Resp: 11780
 Ion Ratio Lower Upper
 83 100
 131 21.9 4.8 14.3#
 85 107.2 32.5 97.4#



#64
 n-propylbenzene
 Concen: 0.023 ppbv
 RT: 15.71 min Scan# 3974
 Delta R.T. -0.00 min
 Lab File: VL033681.D
 Acq: 7 May 2019 14:17

Tgt Ion: 120 Resp: 1925
 Ion Ratio Lower Upper
 120 100
 91 0.0 379.0 568.6#





#65

tert-Butylbenzene

Concen: 0.018 ppbv

RT: 16.89 min Scan# 4340

Delta R.T. -0.02 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

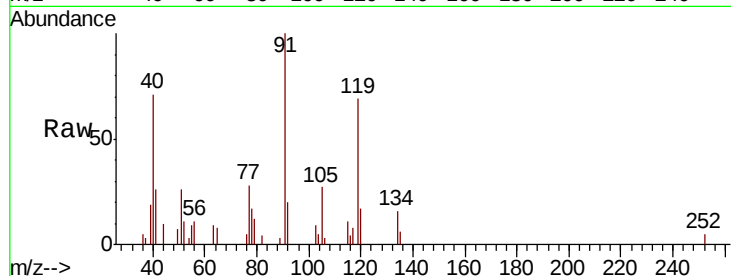
Tgt Ion: 119 Resp: 5434

Ion Ratio Lower Upper

119 100

91 0.0 65.9 98.9#

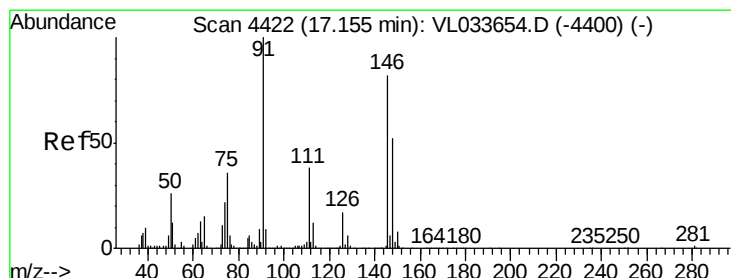
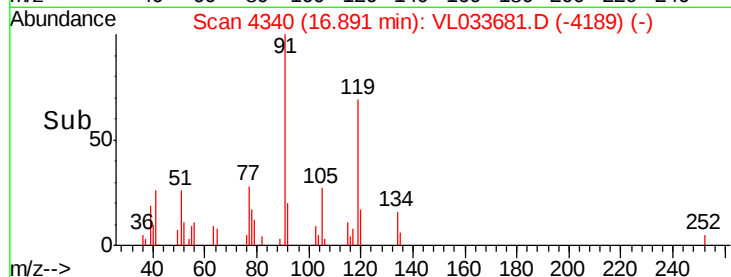
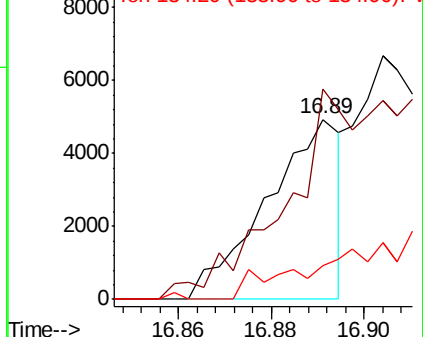
134 0.0 15.5 23.3#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.049 ppbv

RT: 17.14 min Scan# 4418

Delta R.T. -0.01 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

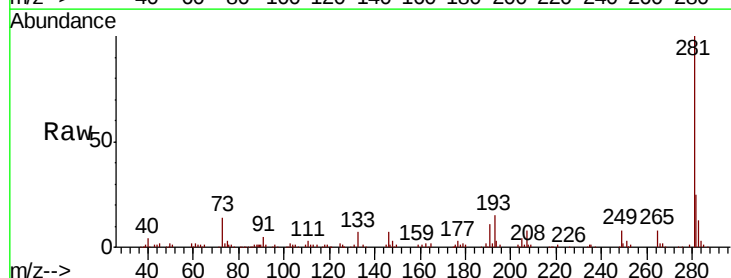
Tgt Ion: 91 Resp: 6737

Ion Ratio Lower Upper

91 100

126 21.4 13.4 20.2#

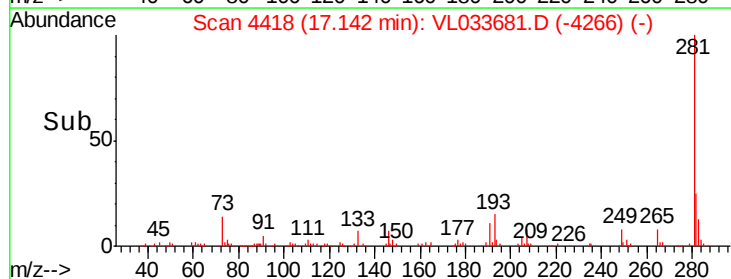
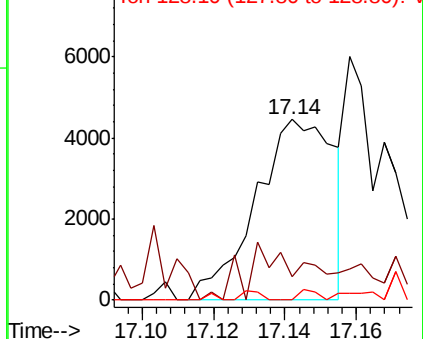
128 1.7 4.4 6.6#

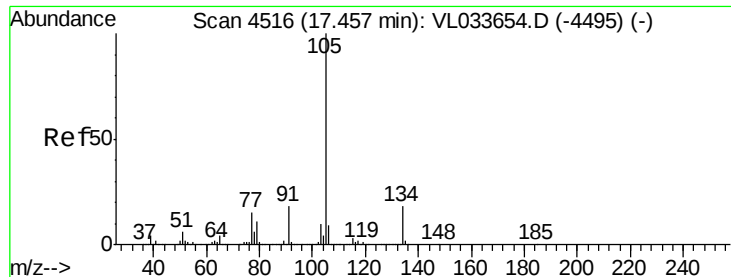


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.049 ppbv

RT: 17.46 min Scan# 4516

Delta R.T. 0.00 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

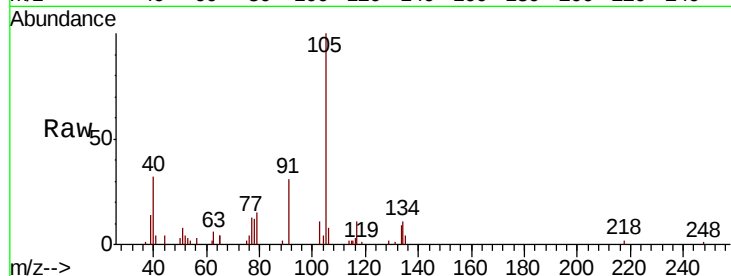
LOD-MDL-AIR-01-QT2-2019

Tgt Ion:105 Resp: 20592

Ion Ratio Lower Upper

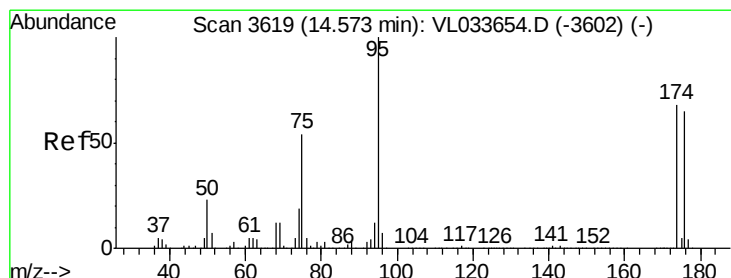
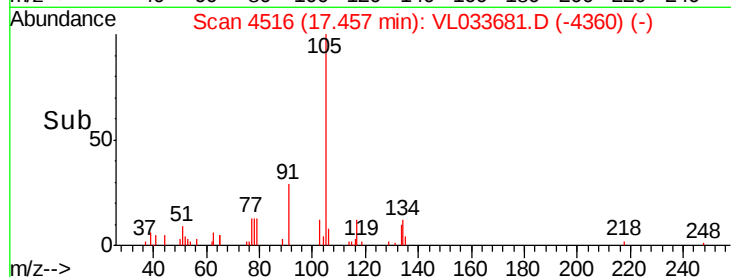
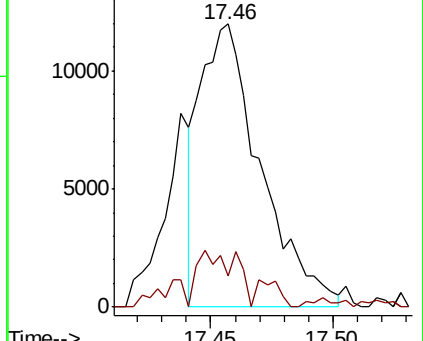
105 100

134 20.5 14.6 22.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.030 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.00 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

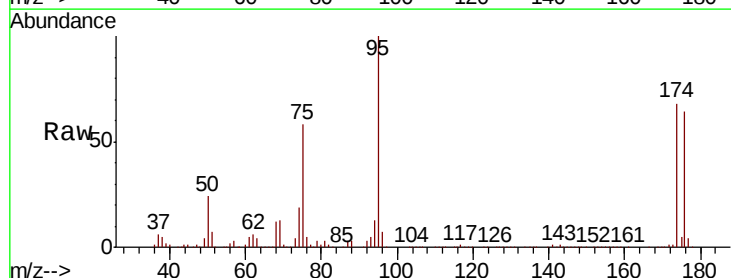
Tgt Ion: 95 Resp: 1695254

Ion Ratio Lower Upper

95 100

174 66.5 54.0 81.0

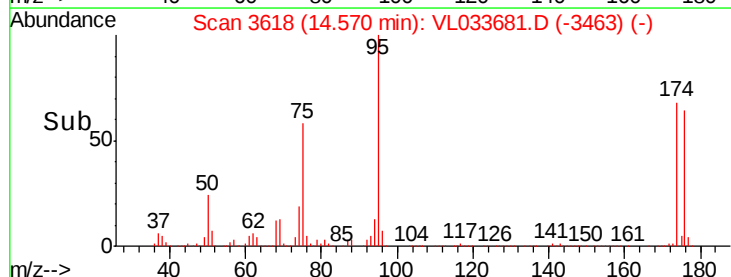
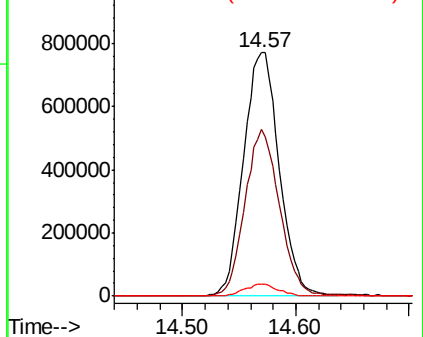
175 4.8 3.8 5.8

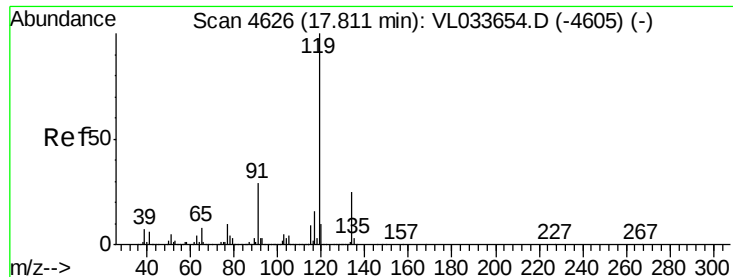


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

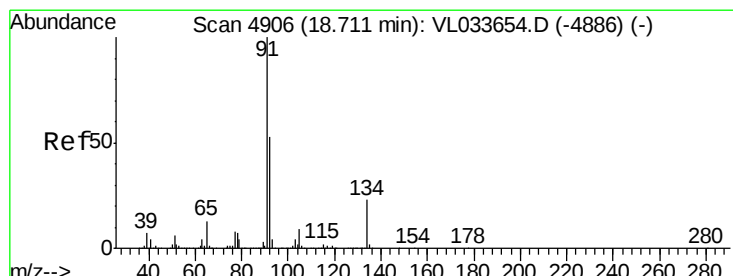
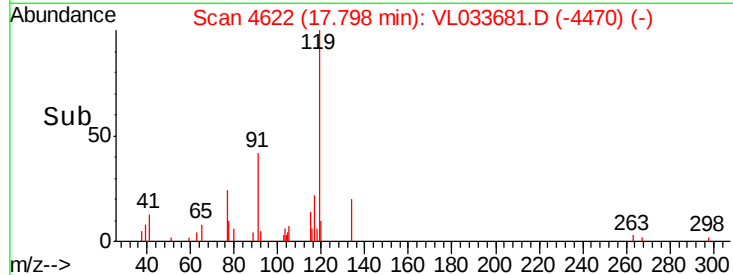
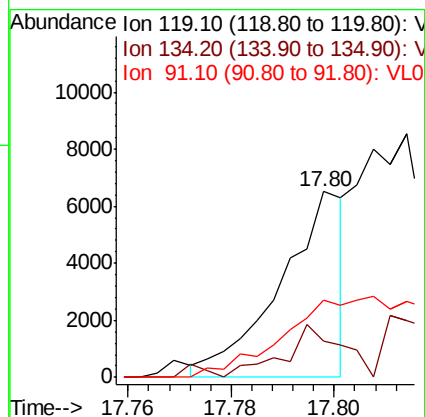
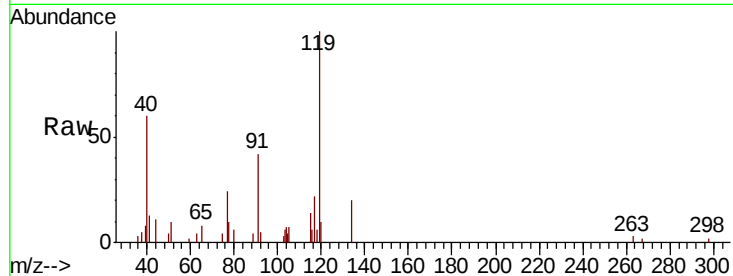




#69
p-Isopropyltoluene
Concen: 0.016 ppbv
RT: 17.80 min Scan# 4622
Delta R.T. -0.01 min
Lab File: VL033681.D
Acq: 7 May 2019 14:17

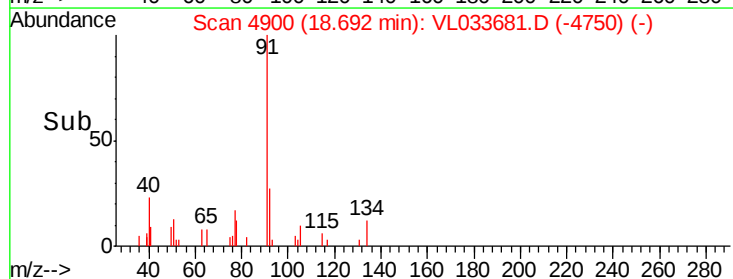
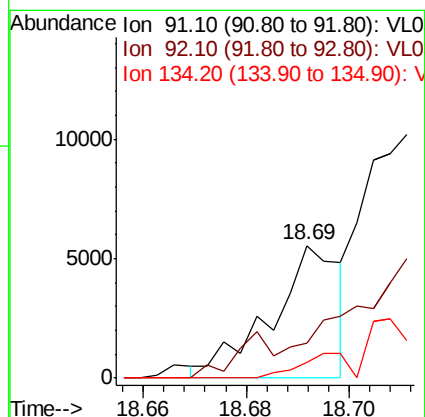
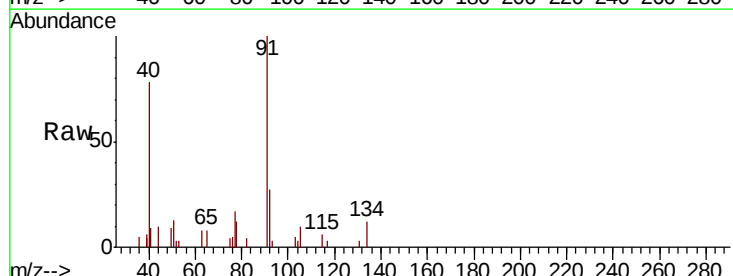
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

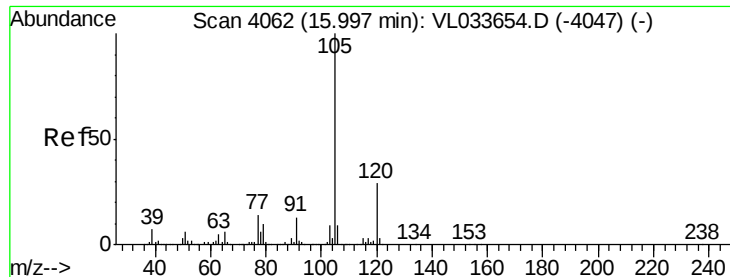
Tgt Ion: 119 Resp: 5621
Ion Ratio Lower Upper
119 100
134 27.5 20.2 30.2
91 0.0 23.4 35.2#



#70
n-Butylbenzene
Concen: 0.014 ppbv
RT: 18.69 min Scan# 4900
Delta R.T. -0.02 min
Lab File: VL033681.D
Acq: 7 May 2019 14:17

Tgt Ion: 91 Resp: 5102
Ion Ratio Lower Upper
91 100
92 0.0 42.5 63.7#
134 0.0 18.0 27.0#





#72

4-Ethyltoluene

Concen: 0.026 ppbv

RT: 15.98 min Scan# 4057

Delta R.T. -0.02 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

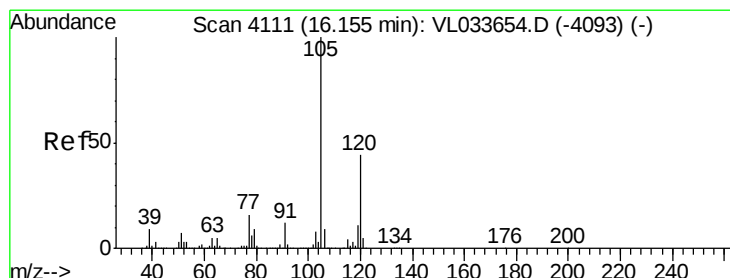
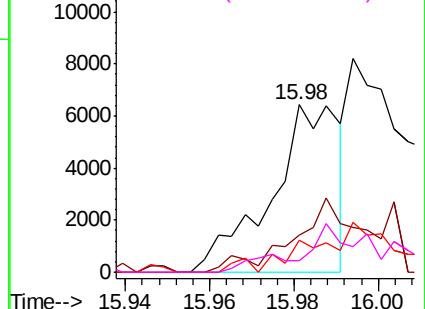
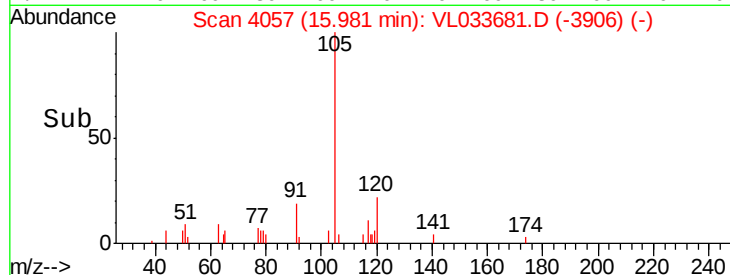
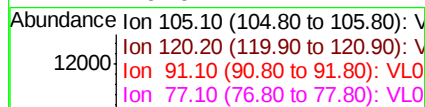
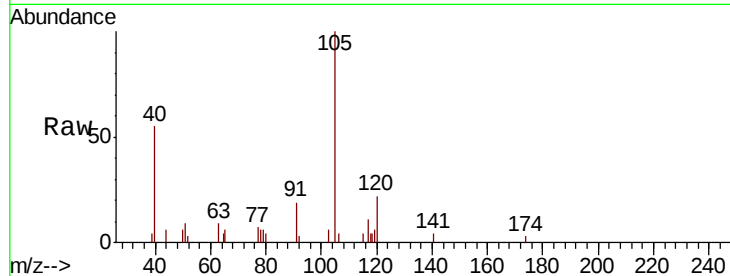
Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tgt Ion:	105	Resp:	7247
Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.0	34.6#
91	0.0	10.5	15.7#
77	0.0	11.4	17.2#



#73

1,3,5-Trimethylbenzene

Concen: 0.044 ppbv

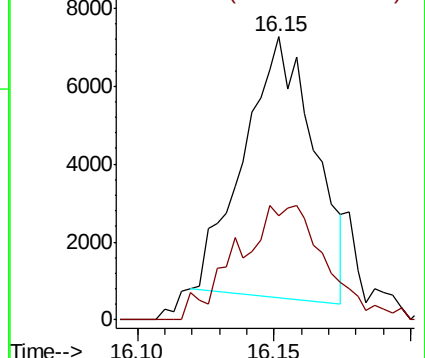
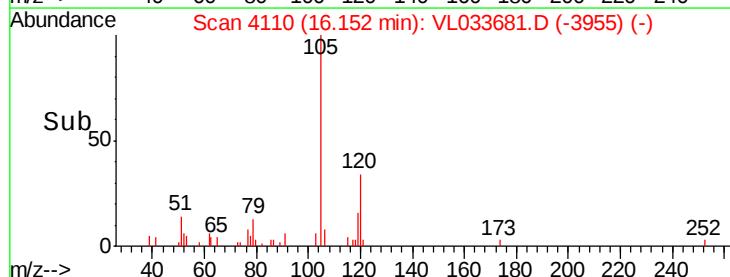
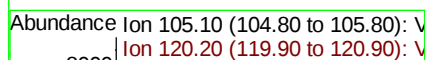
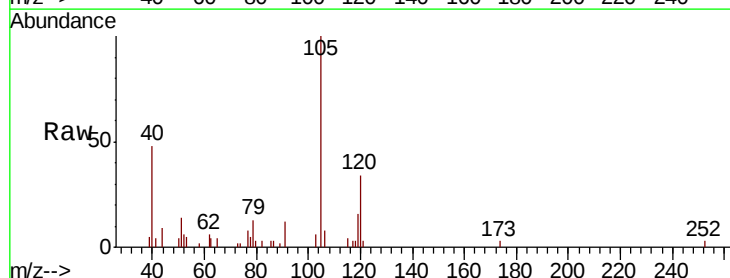
RT: 16.15 min Scan# 4110

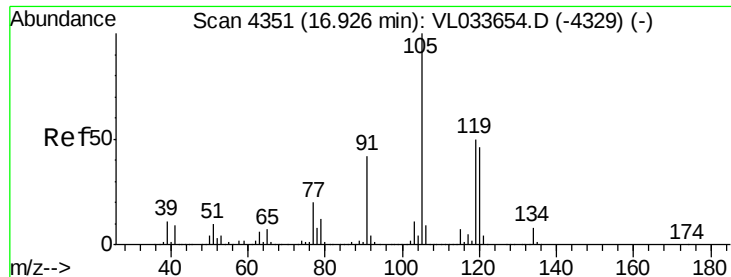
Delta R.T. -0.00 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Tgt Ion:	105	Resp:	12017
Ion	Ratio	Lower	Upper
105	100		
120	30.8	35.5	53.3#

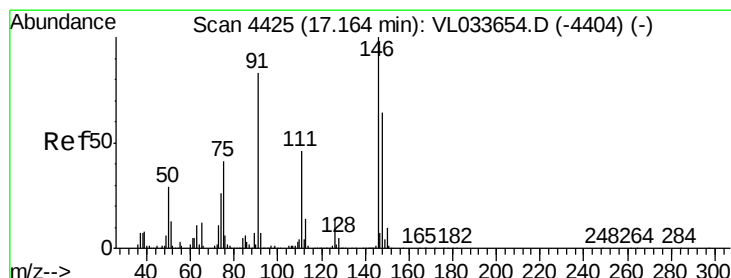
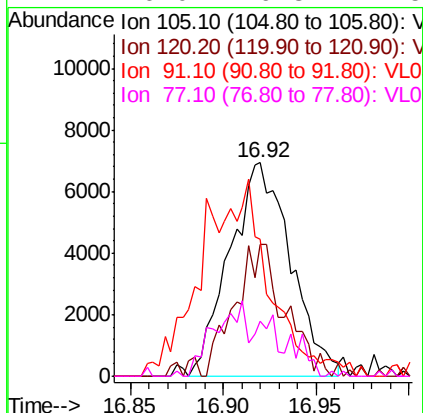
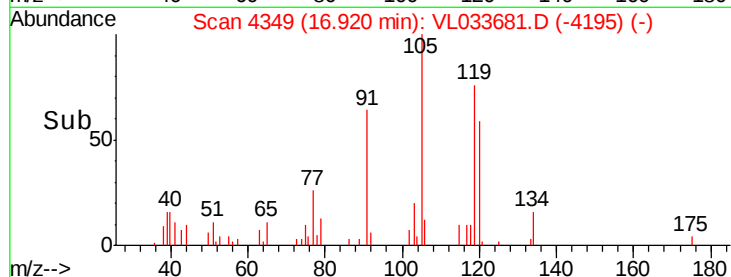
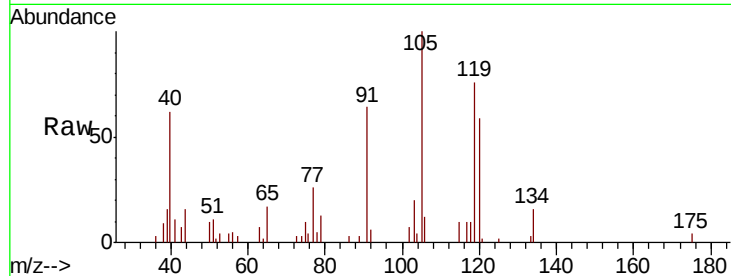




#74
 1,2,4-Trimethylbenzene
 Concen: 0.052 ppbv
 RT: 16.92 min Scan# 4349
 Delta R.T. -0.01 min
 Lab File: VL033681.D
 Acq: 7 May 2019 14:17

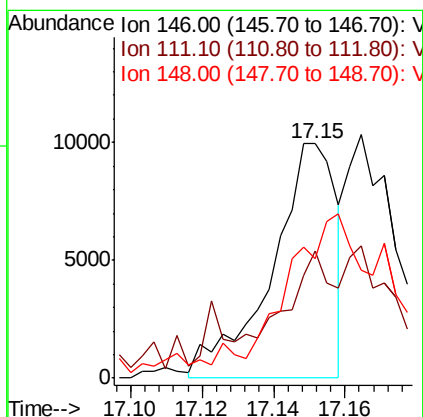
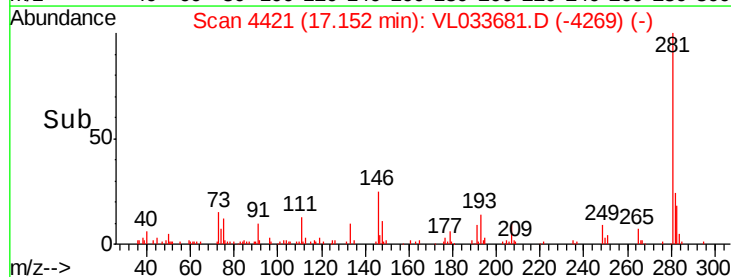
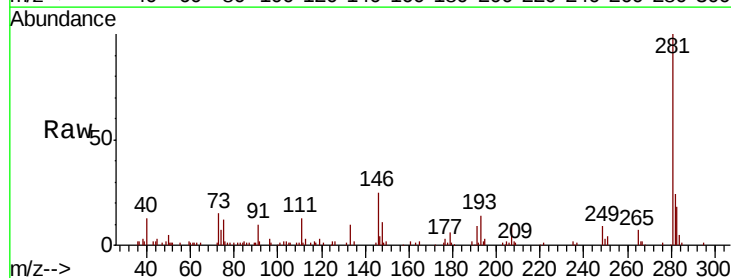
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

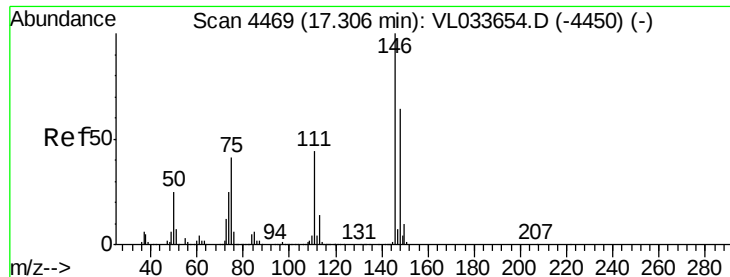
Tgt Ion:105 Resp: 15880
 Ion Ratio Lower Upper
 105 100
 120 55.2 36.5 54.7#
 91 57.8 33.7 50.5#
 77 26.0 16.3 24.5#



#75
 1,3-Dichlorobenzene
 Concen: 0.068 ppbv
 RT: 17.15 min Scan# 4421
 Delta R.T. -0.01 min
 Lab File: VL033681.D
 Acq: 7 May 2019 14:17

Tgt Ion:146 Resp: 12446
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.6 67.7#
 148 130.6 31.8 95.4#





#76

1,4-Dichlorobenzene

Concen: 0.096 ppbv

RT: 17.30 min Scan# 4467

Delta R.T. -0.01 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

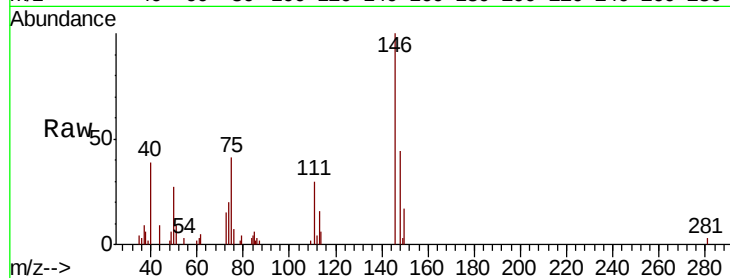
Tgt Ion:146 Resp: 16704

Ion Ratio Lower Upper

146 100

111 44.0 22.0 66.0

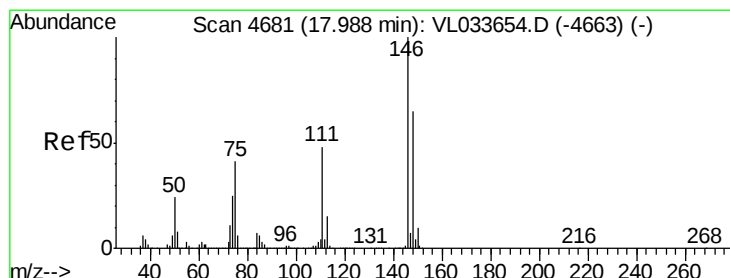
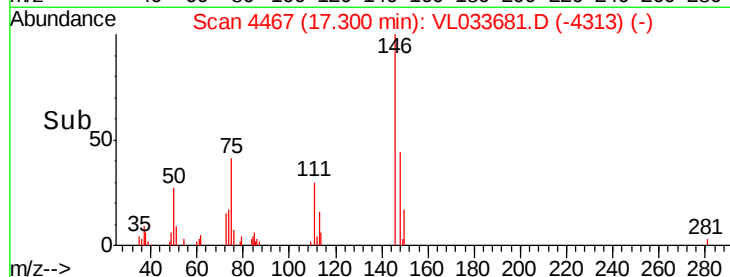
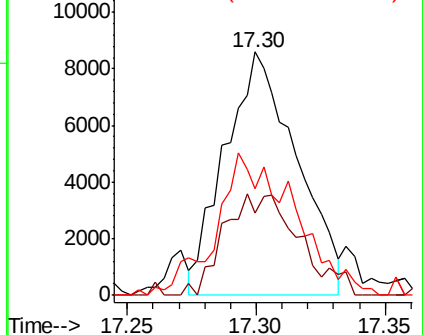
148 64.5 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#77

1,2-Dichlorobenzene

Concen: 0.058 ppbv

RT: 17.98 min Scan# 4680

Delta R.T. -0.00 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

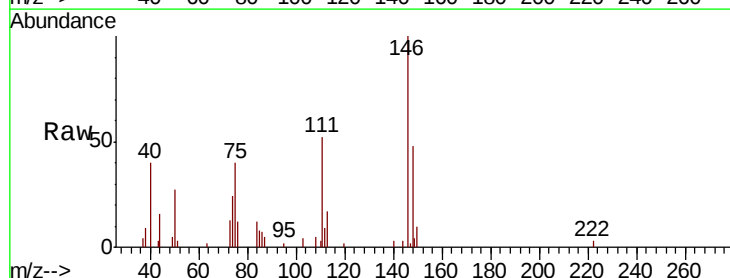
Tgt Ion:146 Resp: 9863

Ion Ratio Lower Upper

146 100

111 75.2 23.4 70.0#

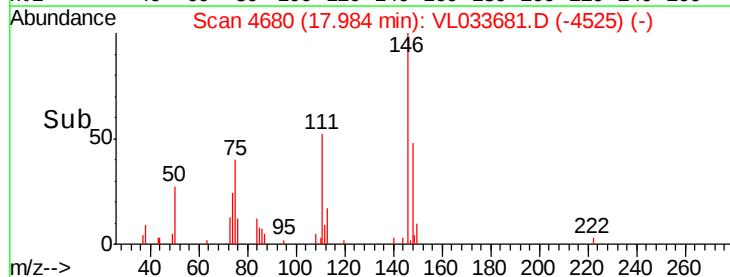
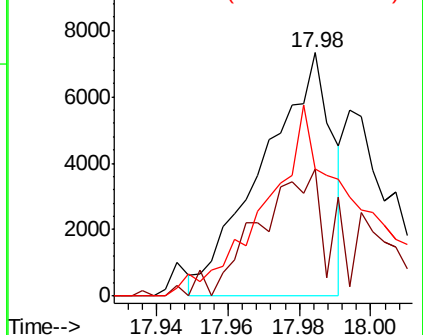
148 103.3 31.9 95.9#

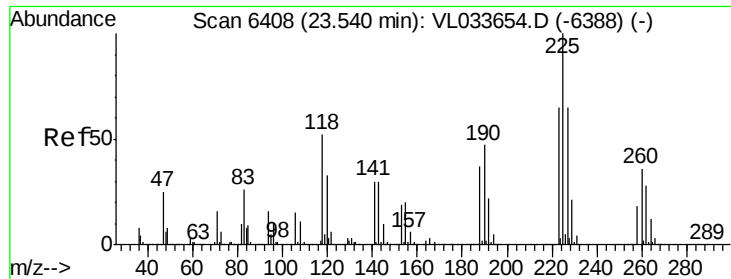


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#78

Hexachloro-1,3-Butadiene

Concen: 0.051 ppbv

RT: 23.53 min Scan# 6405

Delta R.T. -0.01 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

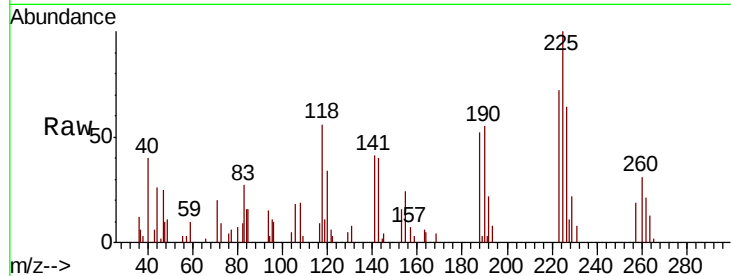
Tgt Ion: 225 Resp: 6898

Ion Ratio Lower Upper

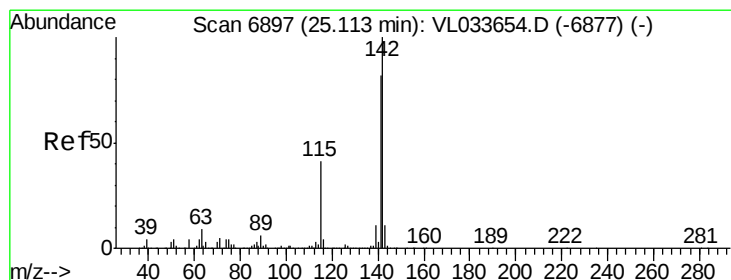
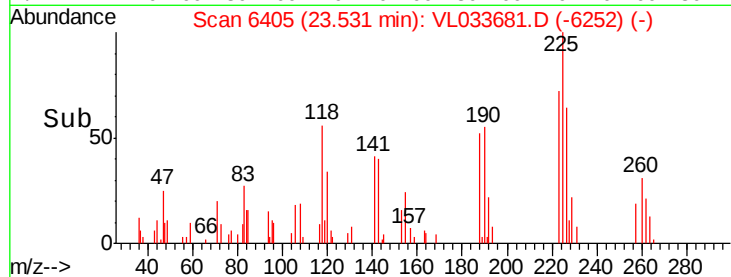
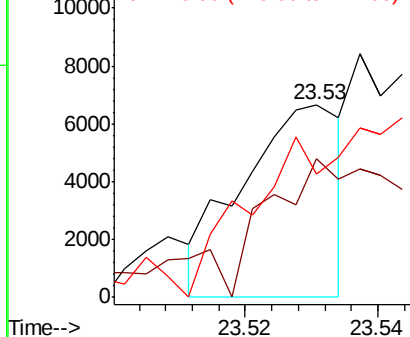
225 100

223 162.2 50.7 76.1#

227 0.0 51.4 77.2#



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V



#80

Naphthalene, 2-methyl-

Concen: 0.054 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. 0.00 min

Lab File: VL033681.D

Acq: 7 May 2019 14:17

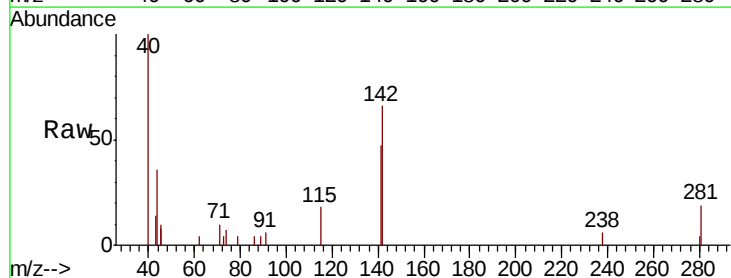
Tgt Ion: 142 Resp: 5691

Ion Ratio Lower Upper

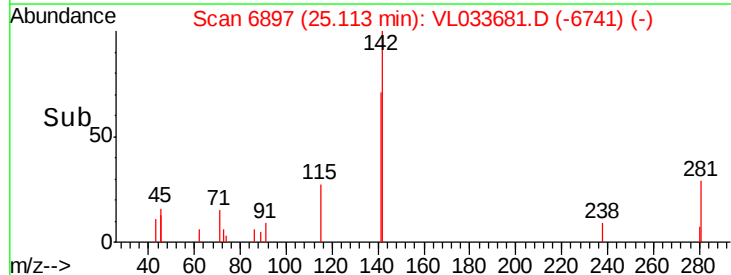
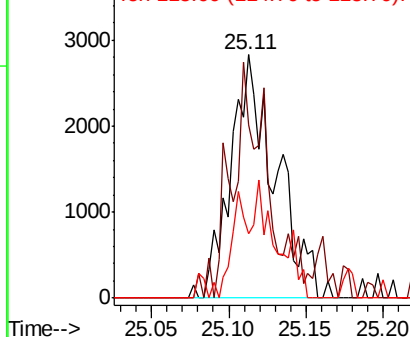
142 100

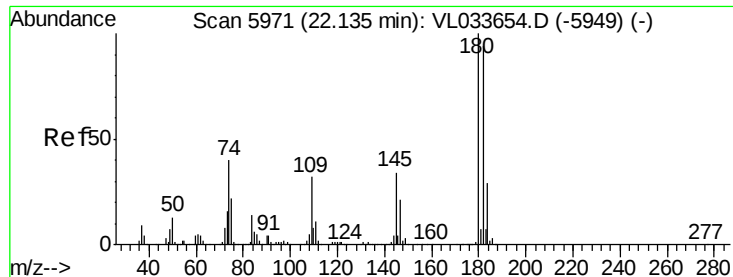
141 87.6 67.9 101.9

115 42.1 34.2 51.4



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: 0.020 ppbv
 RT: 22.12 min Scan# 5965
 Delta R.T. -0.02 min
 Lab File: VL033681.D
 Acq: 7 May 2019 14:17

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Tgt Ion:180 Resp: 3191
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.4 116.0#
 184 0.0 24.6 36.8#

