

Data File : VL034931.D
Acq On : 23 Mar 2020 15:54
Operator : SY/AP
Sample : L2004-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AIR-01

Quant Time: Mar 24 01:50:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1023224	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2193724	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2194723	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.44 95 1809898 10.57 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 105.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	77445	0.553	ppbv	93
3) Chlorodifluoromethane	2.94	51	536260	4.692	ppbv #	83
4) Chloromethane	3.10	50	25113	0.389	ppbv #	81
7) Chloroethane	3.52	64	907	0.040	ppbv #	83
9) Propene	2.98	41	69972	1.282	ppbv #	71
11) Trichlorofluoromethane	3.92	101	61710	0.414	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.45	101	3328	0.032	ppbv #	11
13) Ethanol	3.58	45	1787719	107.751	ppbv	94
15) Acetone	3.82	43	1762869	13.293	ppbv #	89
16) 1,3-Butadiene	3.27	39	423764	7.066	ppbv #	13
17) tert-Butyl alcohol	4.28	59	152707	1.195	ppbv	96
18) 1,1-Dichloroethene	4.25	96	3379	0.073	ppbv #	56
19) Isopropyl Alcohol	3.95	45	496213	5.925	ppbv #	43
20) Methylene Chloride	4.31	84	622765	14.852	ppbv	94
21) Allyl Chloride	4.32	41	29645	0.348	ppbv #	20
22) trans-1,2-Dichloroethene	4.86	96	8271	0.176	ppbv	92
23) Vinyl Acetate	5.04	43	306608	1.565	ppbv #	4
25) Ethyl Acetate	5.67	43	396935	1.680	ppbv #	80
26) Hexane	5.67	57	522059	5.131	ppbv #	42
27) Carbon Disulfide	4.53	76	100726	0.872	ppbv #	91
29) Chloroform	5.74	83	1158478	7.463	ppbv	95
30) Cyclohexane	7.12	84	2550	0.030	ppbv #	1
31) cis-1,2-Dichloroethene	5.53	61	121499	1.168	ppbv	88
34) 2-Butanone	5.09	43	2674423	18.345	ppbv #	58
35) Carbon Tetrachloride	7.02	117	4332	0.032	ppbv #	78
36) Benzene	6.88	78	8168	0.042	ppbv #	87
37) 1,2-Dichloroethane	6.31	62	3874	0.035	ppbv #	81
38) Trichloroethene	7.84	130	4999435	67.321	ppbv	98
39) 1,2-Dichloropropane	7.83	63	7371	0.095	ppbv #	1
41) Tetrahydrofuran	6.30	42	20301	0.257	ppbv #	37
42) Bromodichloromethane	7.80	83	28201	0.188	ppbv	97
51) 2-Hexanone	10.12	43	18622	0.109	ppbv #	31
52) Tetrachloroethene	11.25	164	3481	0.045	ppbv #	1
53) Toluene	9.81	91	17394	0.077	ppbv #	20
78) Hexachloro-1,3-Butadiene	23.40	225	4760	0.035	ppbv #	18
80) Naphthalene,2-methyl-	25.01	142	2451	0.043	ppbv #	77

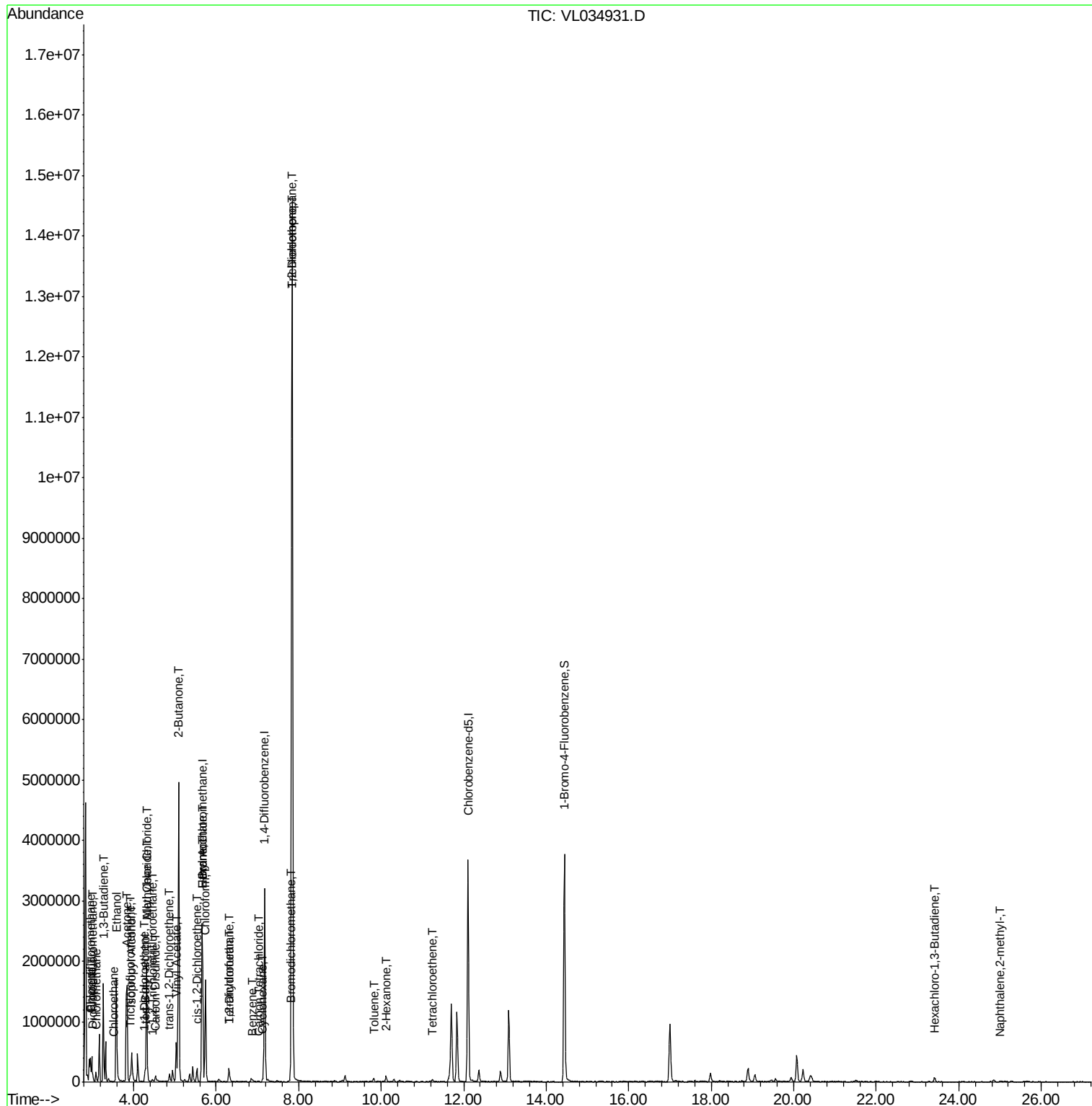
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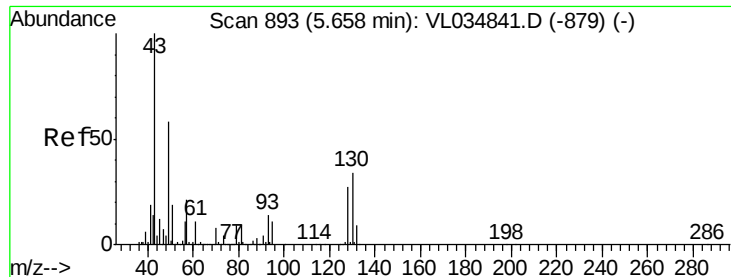
Data File : VL034931.D

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Acq On       : 23 Mar 2020  15:54
Operator     : SY/AP
Sample       : L2004-01
Misc         : 400ml/MSVOA_L
ALS Vial     : 1      Sample Multipl
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Instrument :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL034931.D

Acq: 23 Mar 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

AIR-01

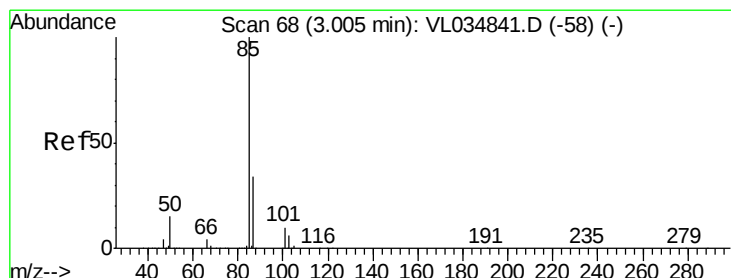
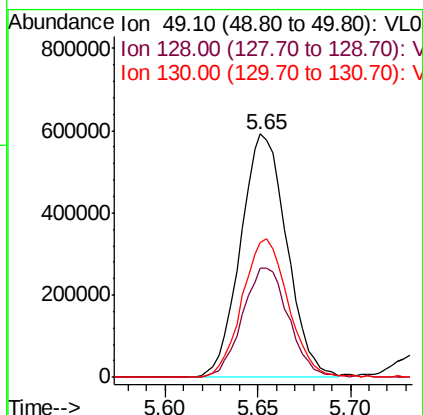
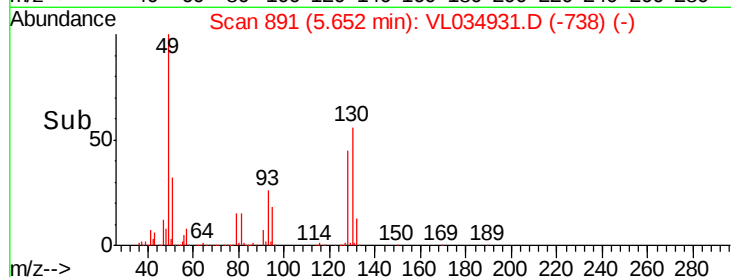
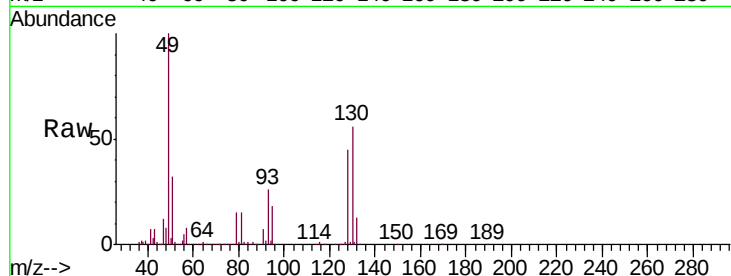
Tgt Ion: 49 Resp: 1023224

Ion Ratio Lower Upper

49 100

128 45.7 23.4 70.3

130 57.1 30.0 90.0



#2

Dichlorodifluoromethane

Concen: 0.553 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL034931.D

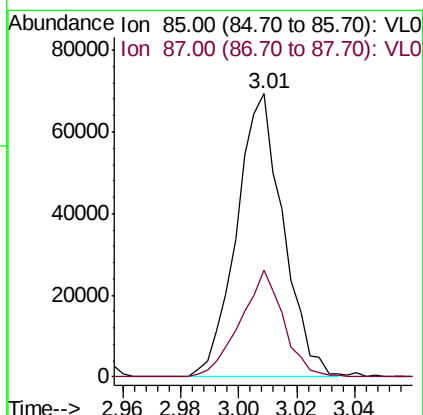
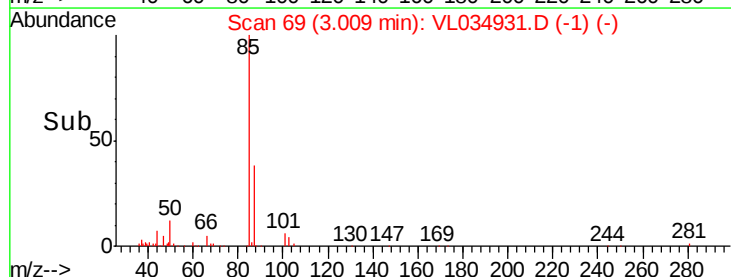
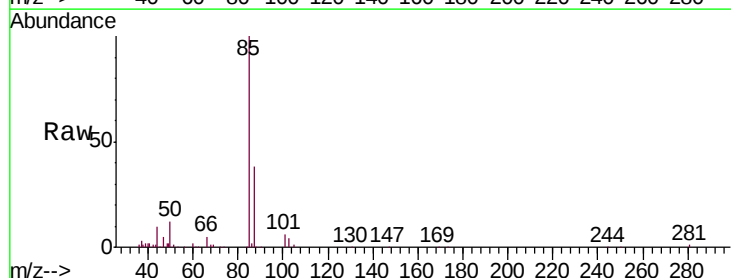
Acq: 23 Mar 2020 15:54

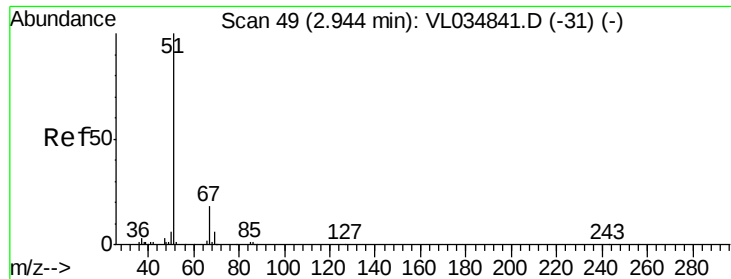
Tgt Ion: 85 Resp: 77445

Ion Ratio Lower Upper

85 100

87 37.5 26.9 40.3

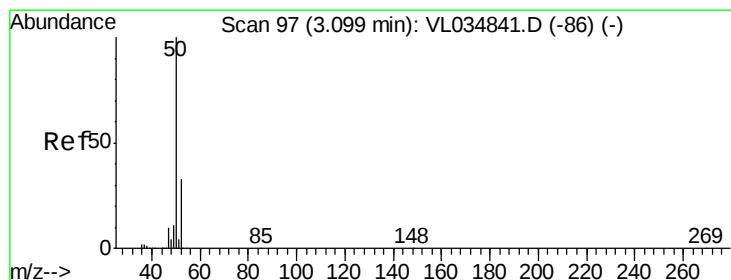
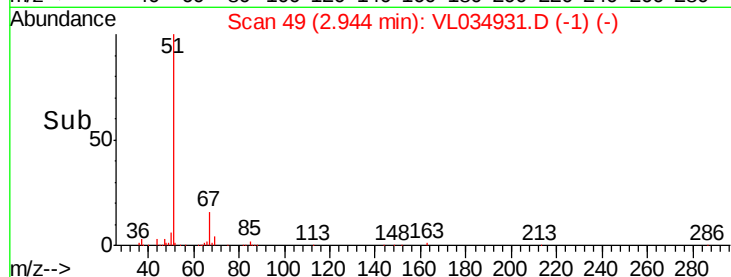
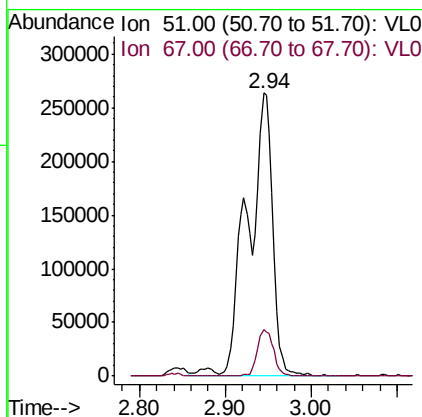
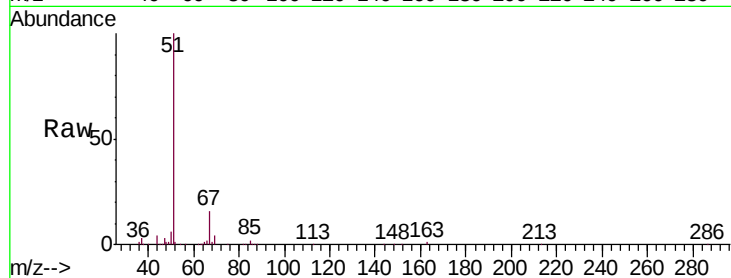




#3
 Chlorodifluoromethane
 Concen: 4.692 ppbv
 RT: 2.94 min Scan# 49
 Delta R.T. -0.00 min
 Lab File: VL034931.D
 Acq: 23 Mar 2020 15:54

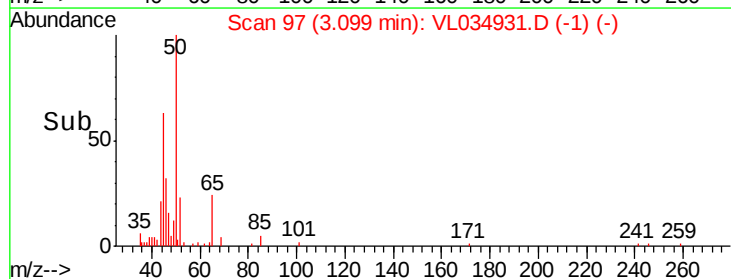
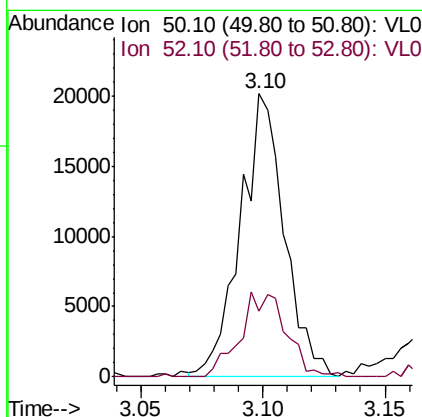
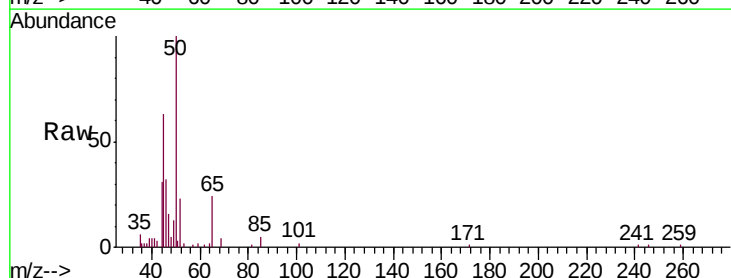
Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01

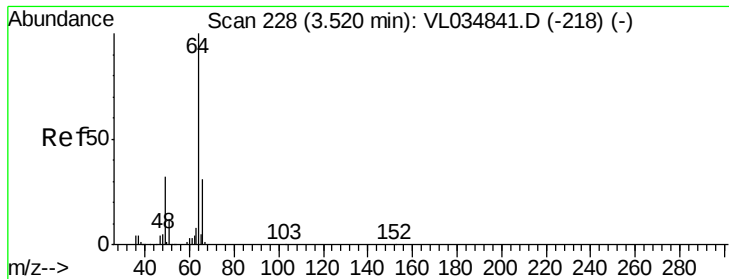
Tgt Ion: 51 Resp: 536260
 Ion Ratio Lower Upper
 51 100
 67 10.6 14.3 21.5#



#4
 Chloromethane
 Concen: 0.389 ppbv
 RT: 3.10 min Scan# 97
 Delta R.T. -0.00 min
 Lab File: VL034931.D
 Acq: 23 Mar 2020 15:54

Tgt Ion: 50 Resp: 25113
 Ion Ratio Lower Upper
 50 100
 52 22.4 26.8 40.2#





#7

Chloroethane

Concen: 0.040 ppbv

RT: 3.52 min Scan# 228

Delta R.T. -0.00 min

Lab File: VL034931.D

Acq: 23 Mar 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

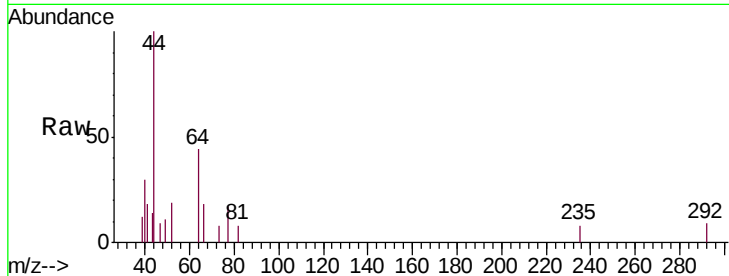
AIR-01

Tgt Ion: 64 Resp: 907

Ion Ratio Lower Upper

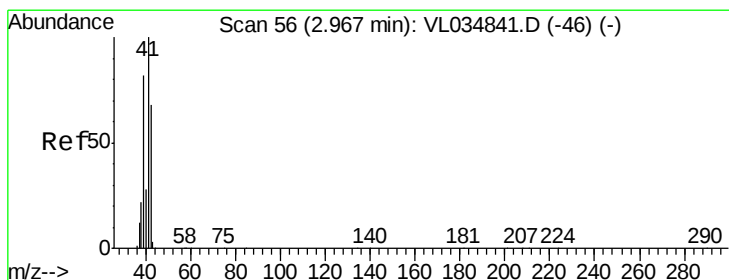
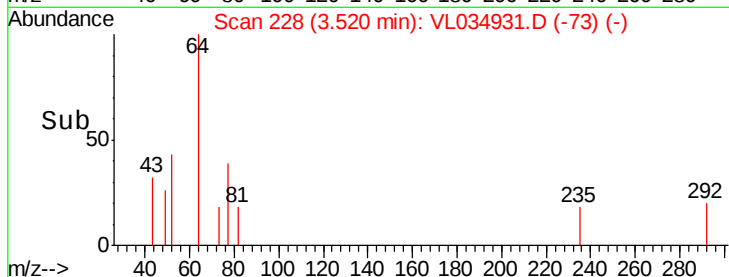
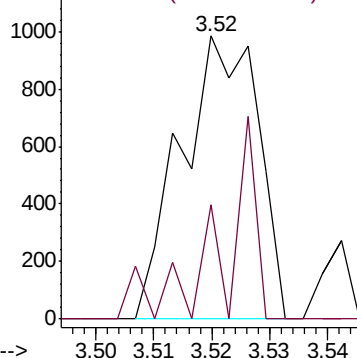
64 100

66 40.2 24.8 37.2#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 1.282 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL034931.D

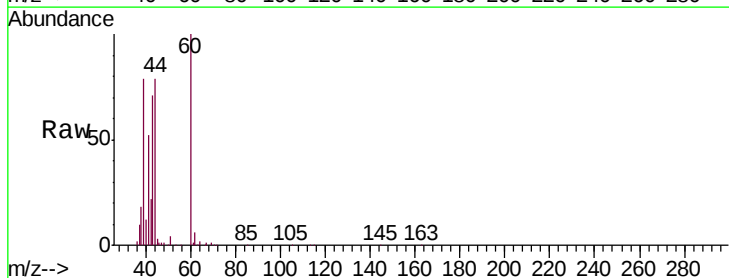
Acq: 23 Mar 2020 15:54

Tgt Ion: 41 Resp: 69972

Ion Ratio Lower Upper

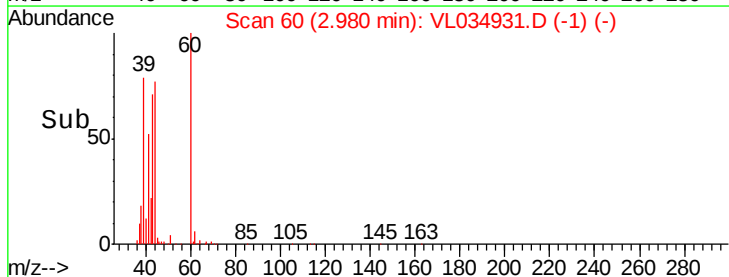
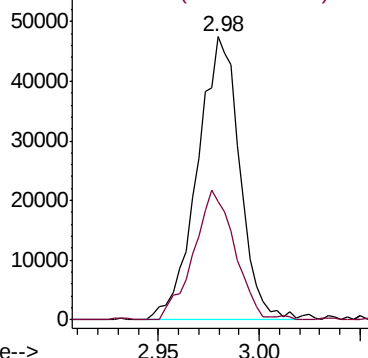
41 100

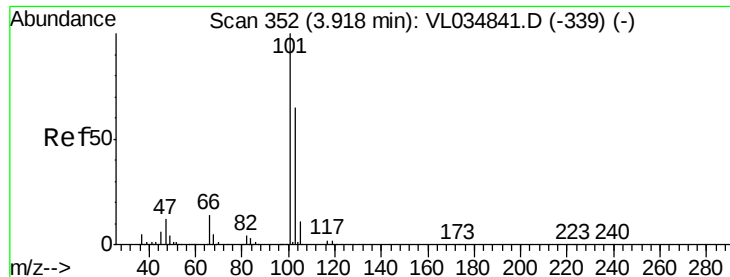
42 45.2 55.2 82.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

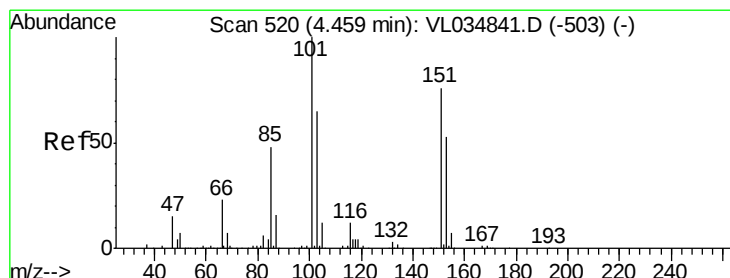
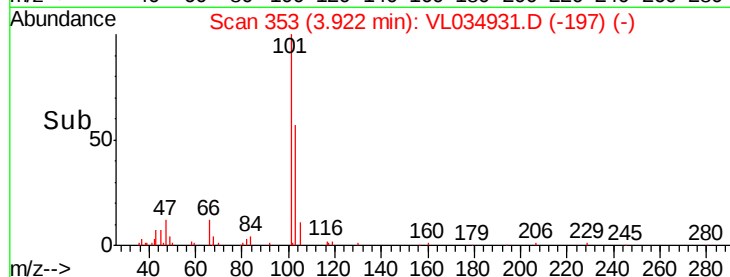
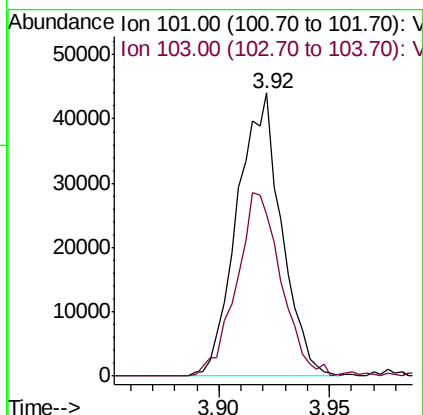
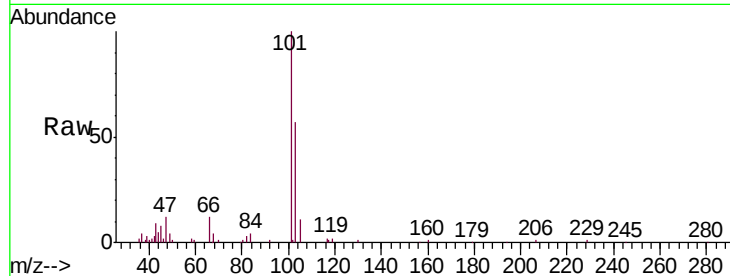




#11
 Trichlorofluoromethane
 Concen: 0.414 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VL034931.D
 Acq: 23 Mar 2020 15:54

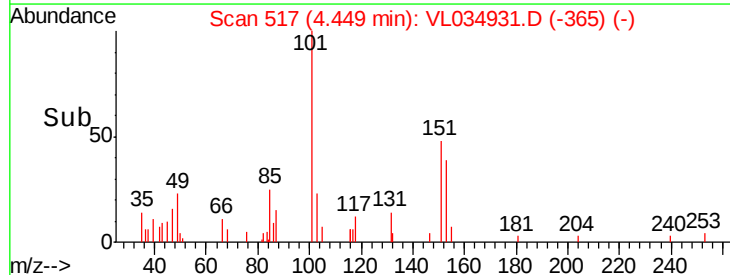
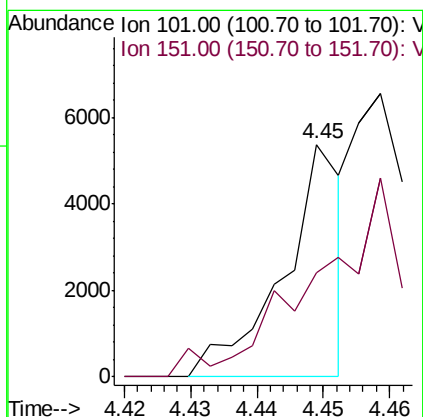
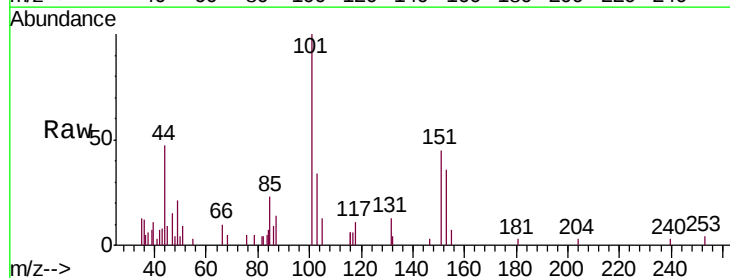
Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01

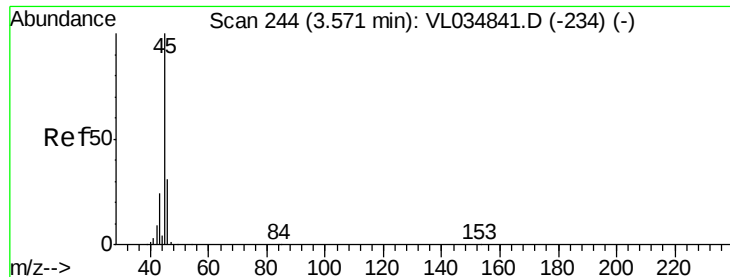
Tgt Ion:101 Resp: 61710
 Ion Ratio Lower Upper
 101 100
 103 57.4 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.032 ppbv
 RT: 4.45 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VL034931.D
 Acq: 23 Mar 2020 15:54

Tgt Ion:101 Resp: 3328
 Ion Ratio Lower Upper
 101 100
 151 0.0 60.8 91.2#





#13

Ethanol

Concen: 107.751 ppbv

RT: 3.58 min Scan# 246

Delta R.T. 0.01 min

Lab File: VL034931.D

Acq: 23 Mar 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

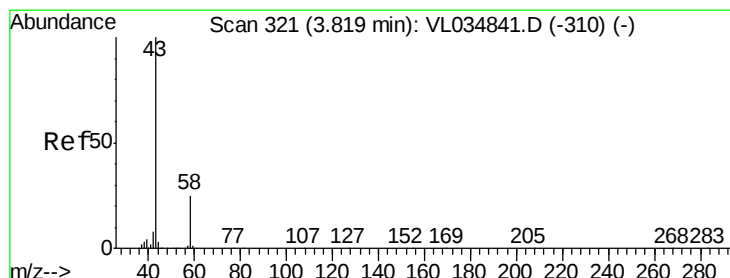
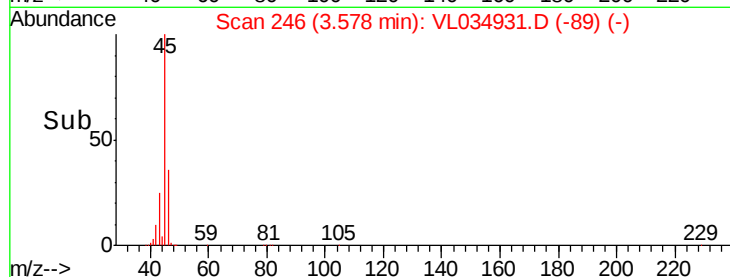
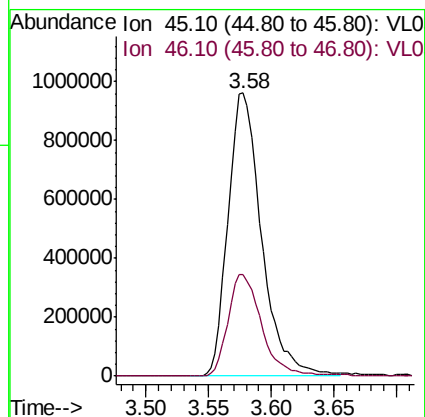
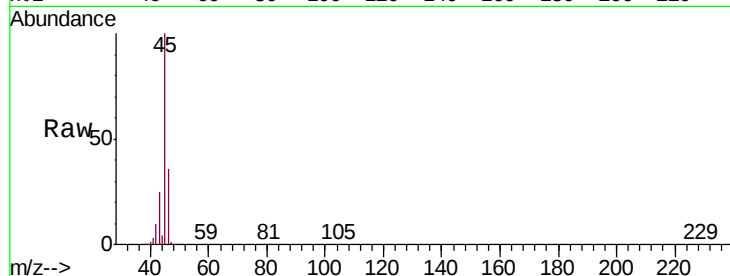
AIR-01

Tgt Ion: 45 Resp: 1787719

Ion Ratio Lower Upper

45 100

46 36.2 16.0 64.0



#15

Acetone

Concen: 13.293 ppbv

RT: 3.82 min Scan# 321

Delta R.T. -0.00 min

Lab File: VL034931.D

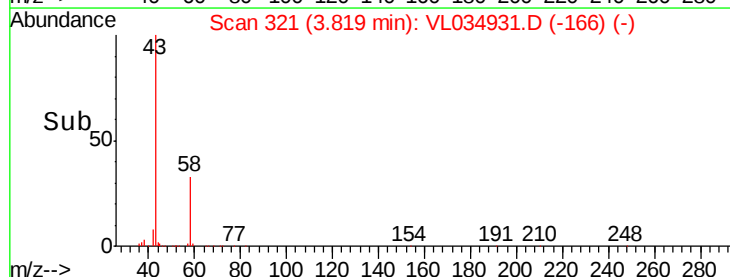
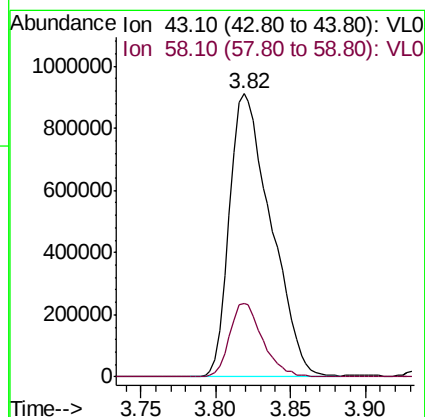
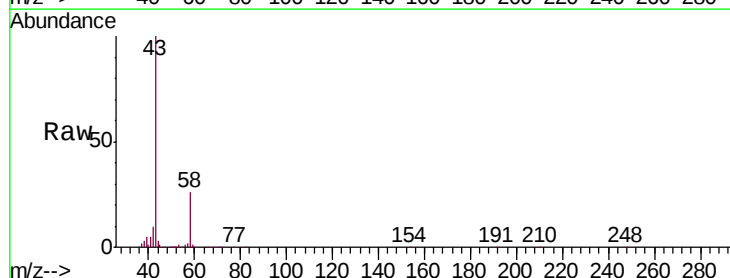
Acq: 23 Mar 2020 15:54

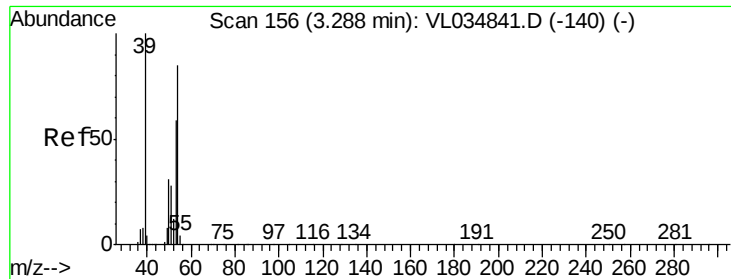
Tgt Ion: 43 Resp: 1762869

Ion Ratio Lower Upper

43 100

58 20.7 21.0 31.6#

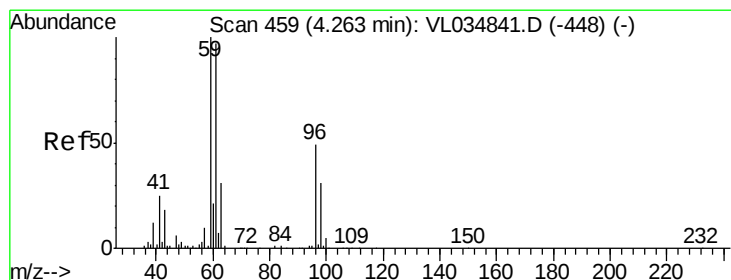
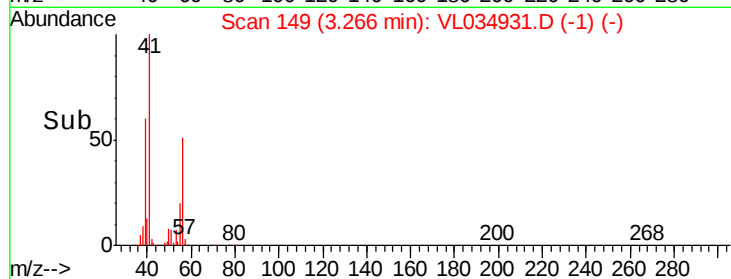
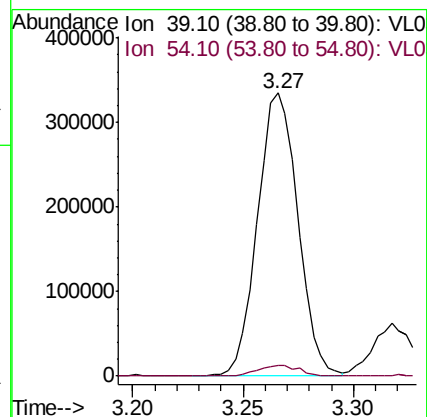
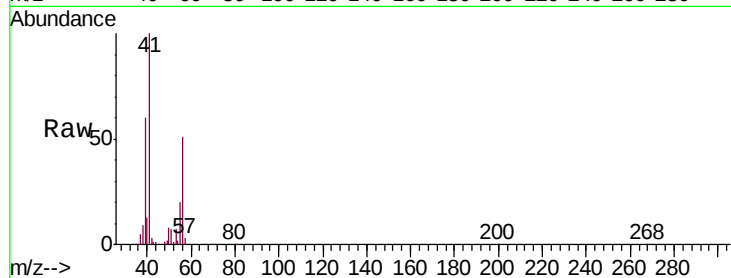




#16
 1,3-Butadiene
 Concen: 7.066 ppbv
 RT: 3.27 min Scan# 149
 Delta R.T. -0.02 min
 Lab File: VL034931.D
 Acq: 23 Mar 2020 15:54

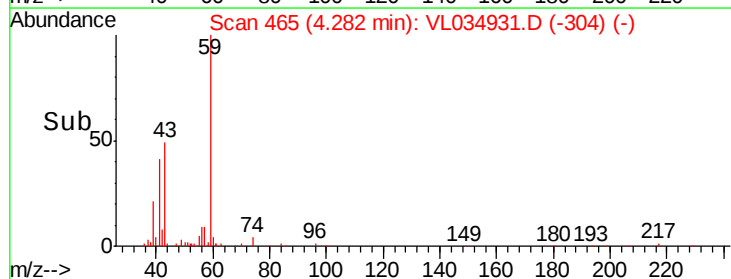
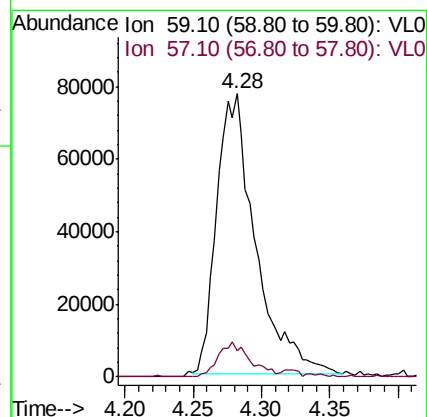
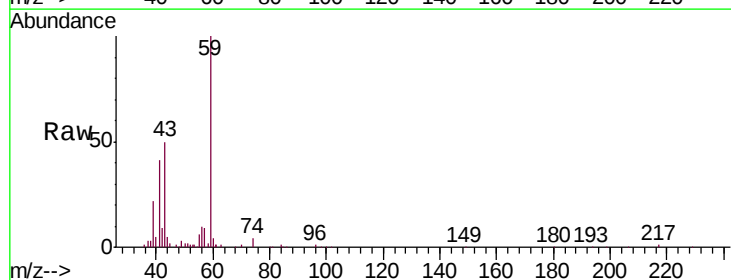
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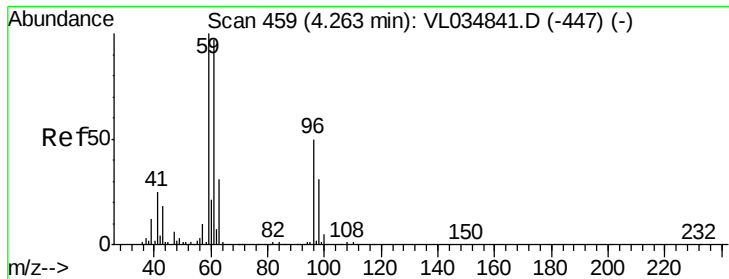
Tgt Ion: 39 Resp: 423764
 Ion Ratio Lower Upper
 39 100
 54 4.1 65.0 97.6#



#17
 tert-Butyl alcohol
 Concen: 1.195 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. 0.02 min
 Lab File: VL034931.D
 Acq: 23 Mar 2020 15:54

Tgt Ion: 59 Resp: 152707
 Ion Ratio Lower Upper
 59 100
 57 11.8 8.3 12.5

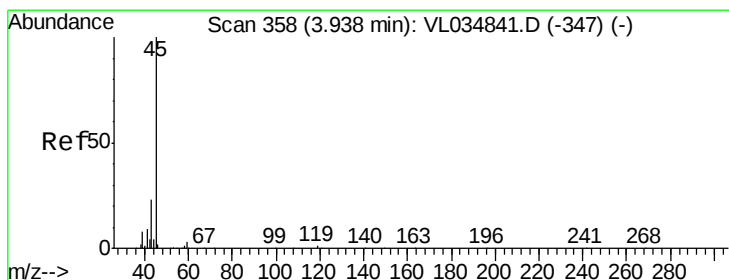
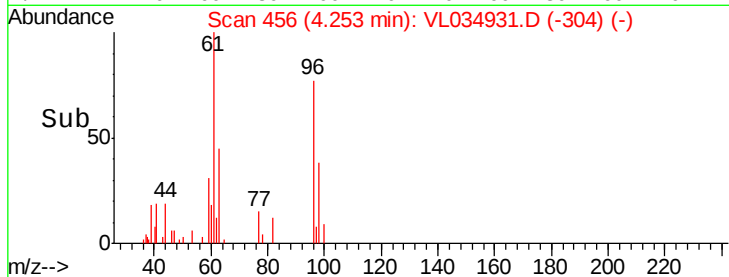
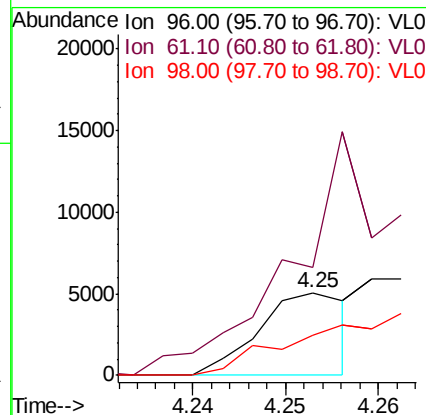
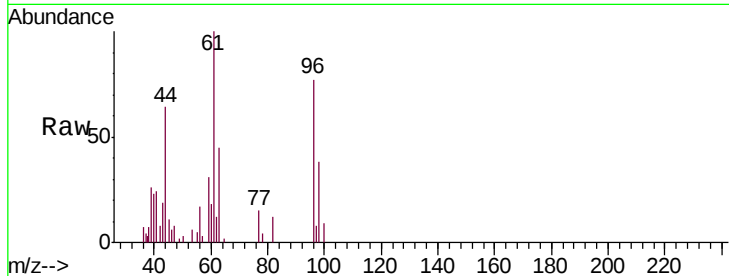




#18
 1,1-Dichloroethene
 Concen: 0.073 ppbv
 RT: 4.25 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: VL034931.D
 Acq: 23 Mar 2020 15:54

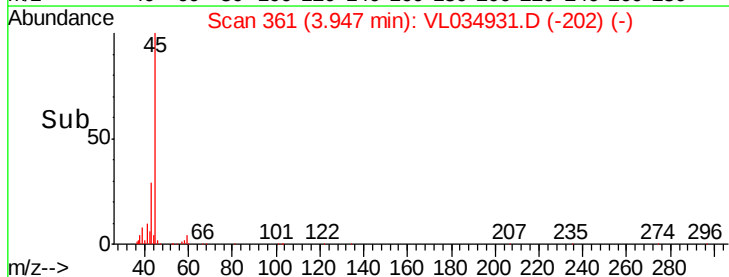
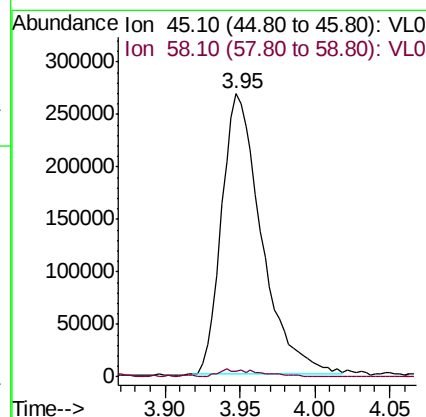
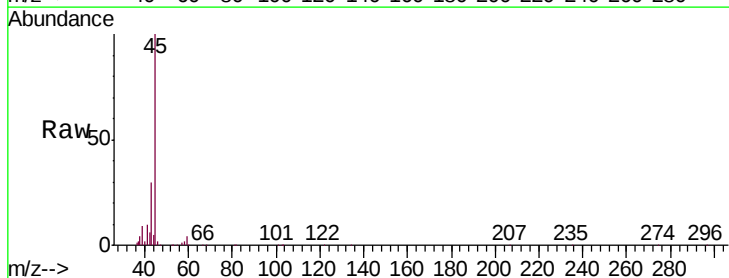
Instrument :
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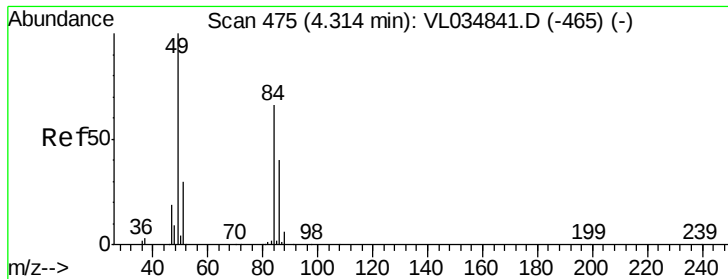
Tgt Ion: 96 Resp: 3379
 Ion Ratio Lower Upper
 96 100
 61 119.1 157.3 235.9#
 98 49.0 50.2 75.4#



#19
 Isopropyl Alcohol
 Concen: 5.925 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.01 min
 Lab File: VL034931.D
 Acq: 23 Mar 2020 15:54

Tgt Ion: 45 Resp: 496213
 Ion Ratio Lower Upper
 45 100
 58 3.6 30.5 45.7#

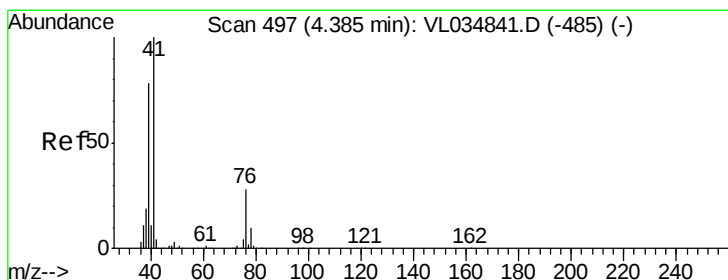
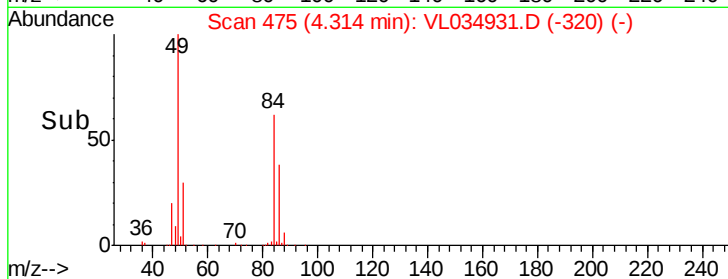
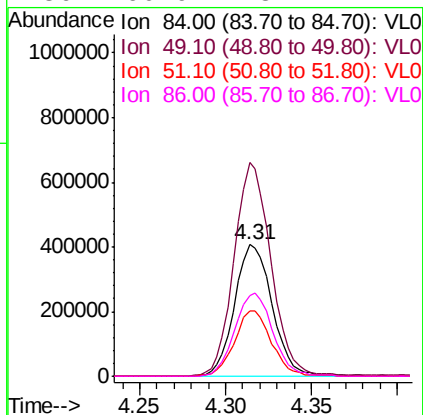
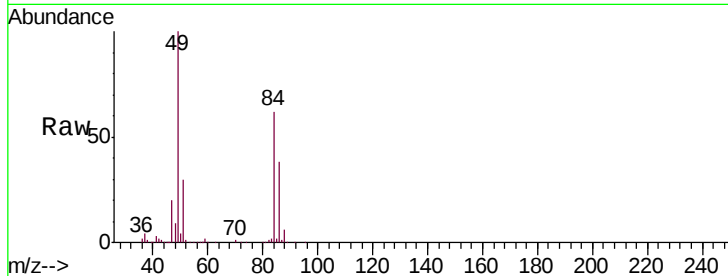




#20
Methylene Chloride
Concen: 14.852 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.00 min
Lab File: VL034931.D
Acq: 23 Mar 2020 15:54

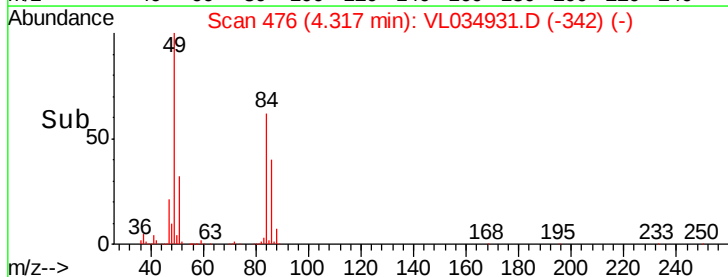
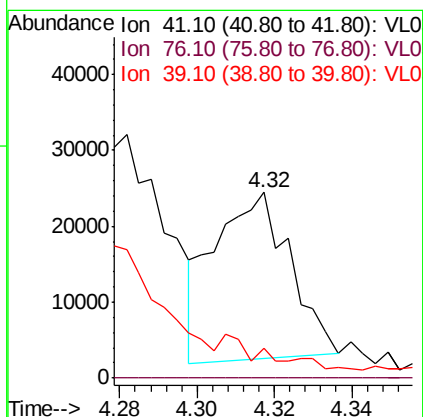
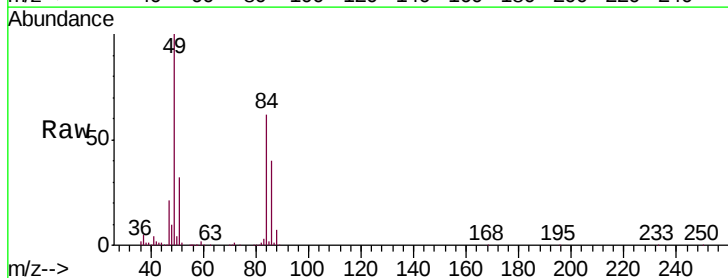
Instrument :
MSVOA_L
ClientSampleId :
AIR-01

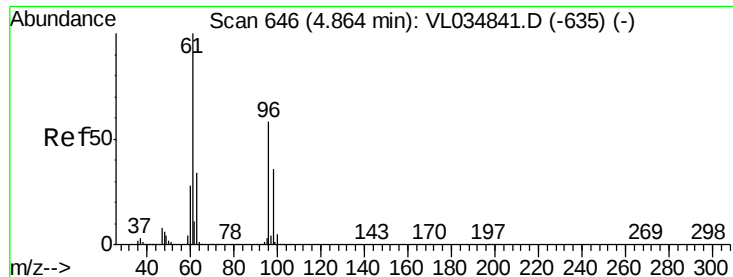
Tgt Ion:	84	Resp:	622765
Ion	Ratio	Lower	Upper
84	100		
49	161.6	121.5	182.3
51	48.8	36.6	55.0
86	60.9	48.2	72.2



#21
Allyl Chloride
Concen: 0.348 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.07 min
Lab File: VL034931.D
Acq: 23 Mar 2020 15:54

Tgt Ion:	41	Resp:	29645
Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.2	33.2#
39	0.0	62.6	93.8#





#22

trans-1,2-Dichloroethene

Concen: 0.176 ppbv

RT: 4.86 min Scan# 645

Delta R.T. -0.00 min

Lab File: VL034931.D

Acq: 23 Mar 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

AIR-01

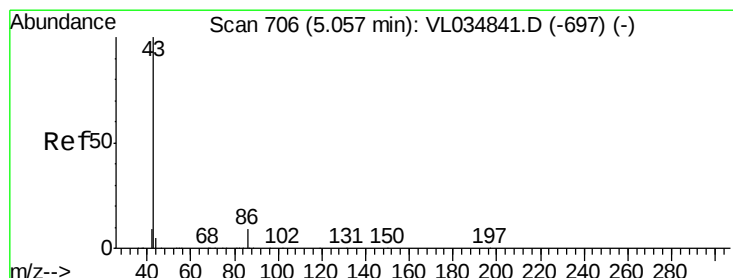
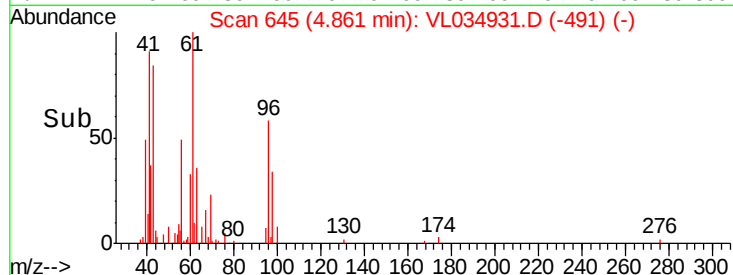
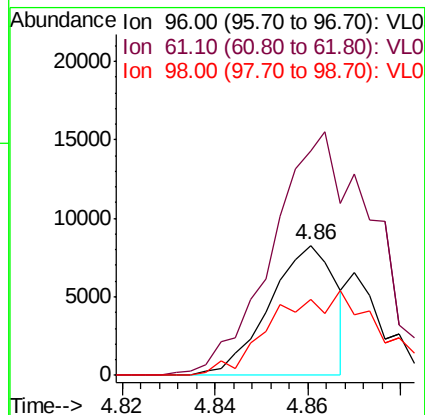
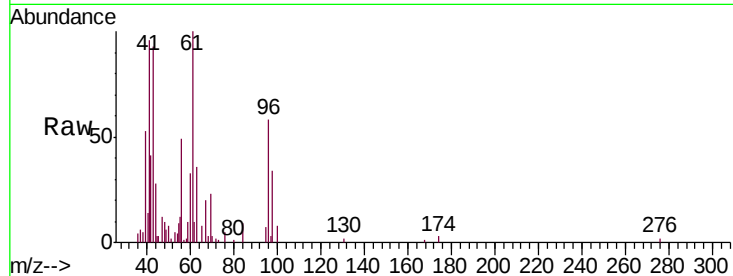
Tgt Ion: 96 Resp: 8271

Ion Ratio Lower Upper

96 100

61 186.1 139.0 208.6

98 58.6 50.3 75.5



#23

Vinyl Acetate

Concen: 1.565 ppbv

RT: 5.04 min Scan# 700

Delta R.T. -0.02 min

Lab File: VL034931.D

Acq: 23 Mar 2020 15:54

Tgt Ion: 43 Resp: 306608

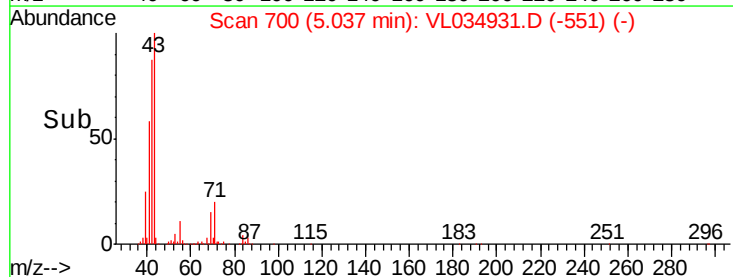
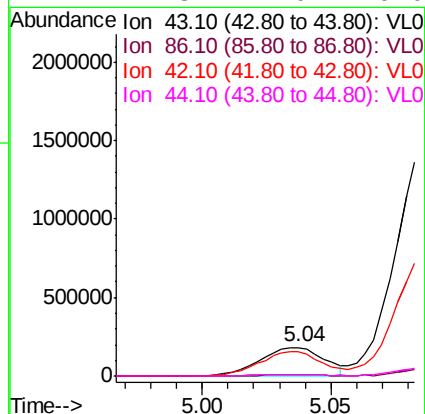
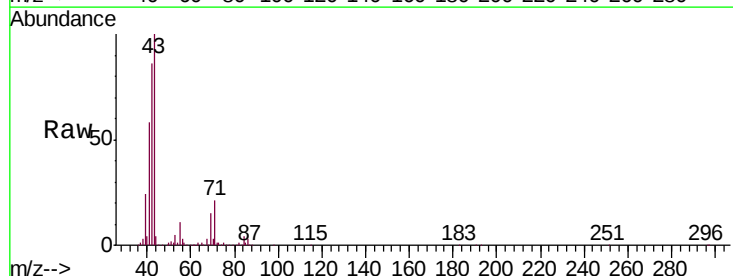
Ion Ratio Lower Upper

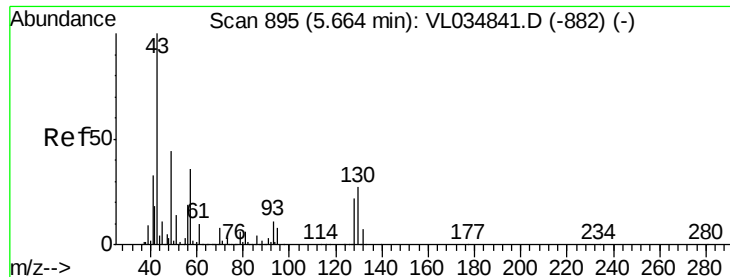
43 100

86 2.7 6.3 9.5#

42 85.7 7.8 11.8#

44 2.3 4.0 6.0#

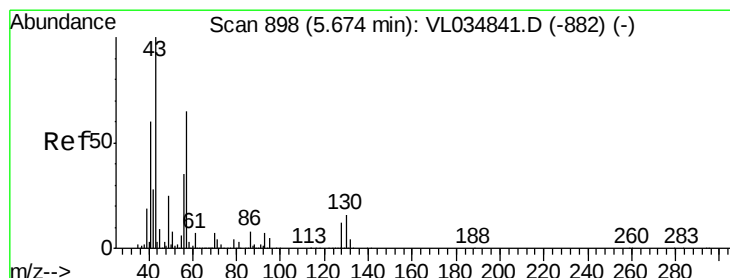
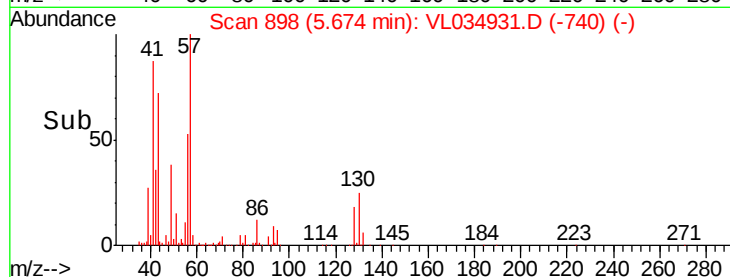
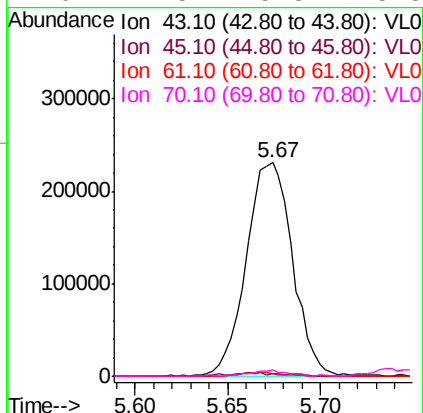
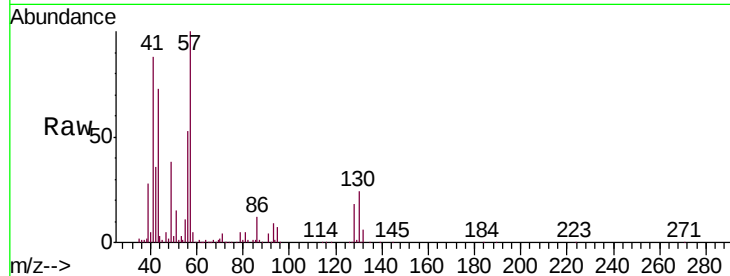




#25
Ethyl Acetate
Concen: 1.680 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL034931.D
Acq: 23 Mar 2020 15:54

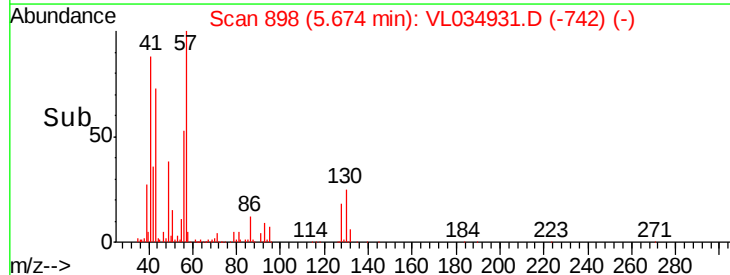
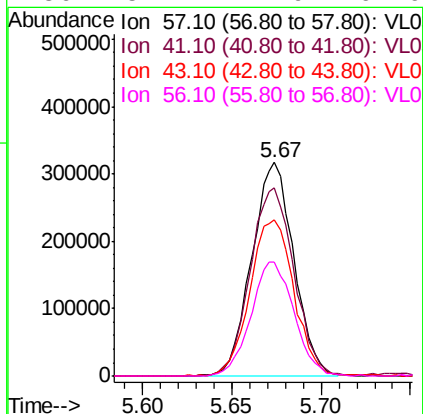
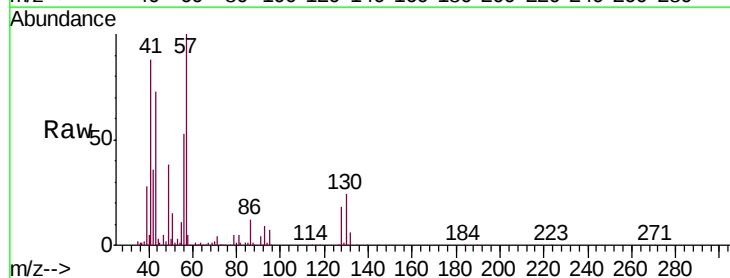
Instrument :
MSVOA_L
ClientSampleId :
AIR-01

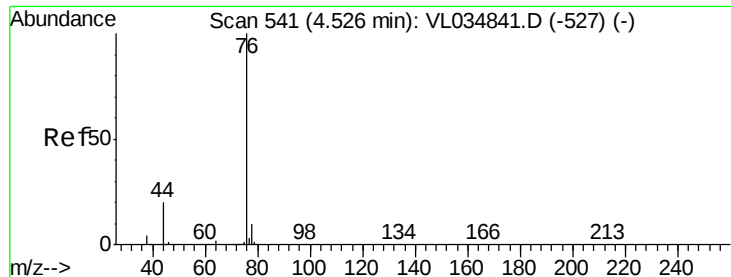
Tgt Ion:	43	Resp:	396935
Ion	Ratio	Lower	Upper
43	100		
45	2.0	8.2	12.2#
61	1.8	7.8	11.6#
70	2.5	5.8	8.8#



#26
Hexane
Concen: 5.131 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL034931.D
Acq: 23 Mar 2020 15:54

Tgt Ion:	57	Resp:	522059
Ion	Ratio	Lower	Upper
57	100		
41	92.1	72.6	109.0
43	77.0	183.8	275.6#
56	54.7	41.9	62.9





#27

Carbon Disulfide

Concen: 0.872 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.00 min

Lab File: VL034931.D

Acq: 23 Mar 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

AIR-01

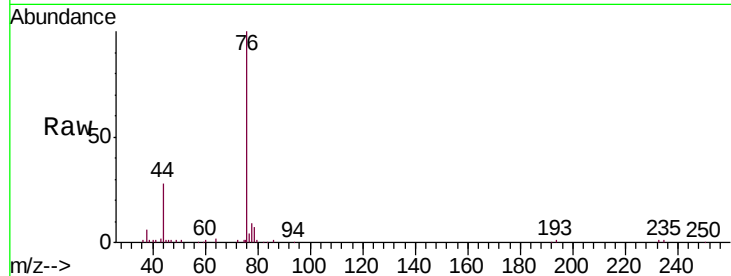
Tgt Ion: 76 Resp: 100726

Ion Ratio Lower Upper

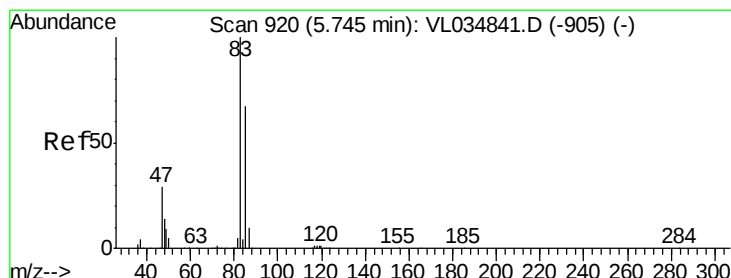
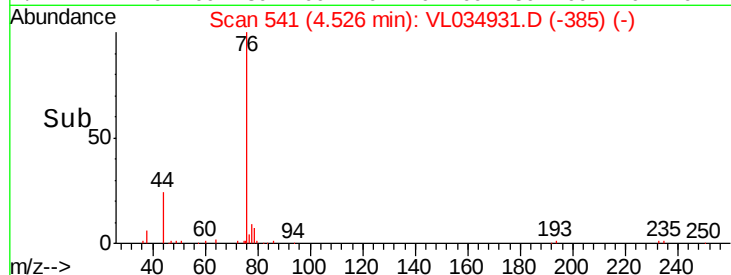
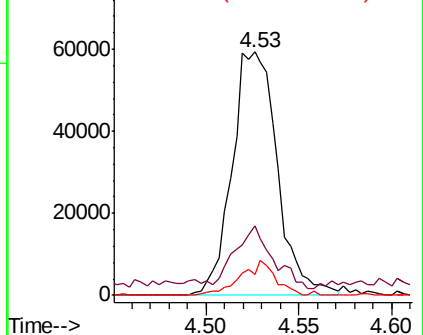
76 100

44 25.0 16.2 24.2#

78 11.3 7.8 11.6



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



#29

Chloroform

Concen: 7.463 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.00 min

Lab File: VL034931.D

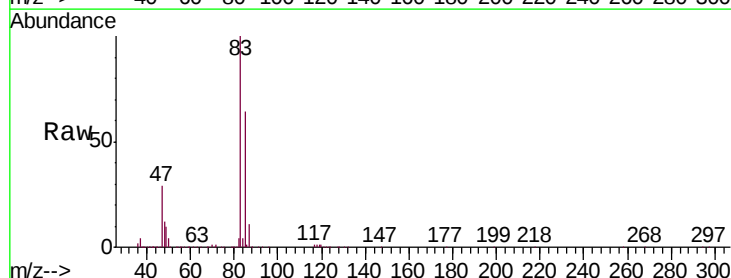
Acq: 23 Mar 2020 15:54

Tgt Ion: 83 Resp: 1158478

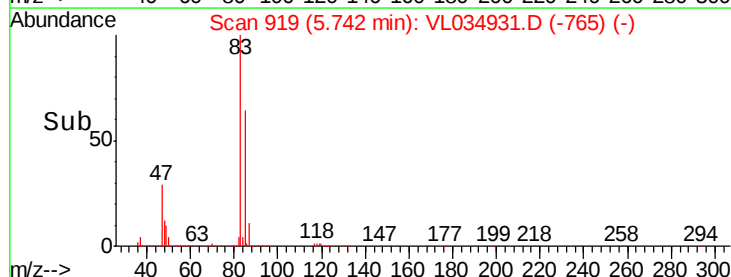
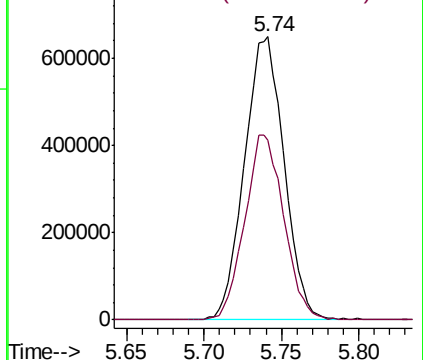
Ion Ratio Lower Upper

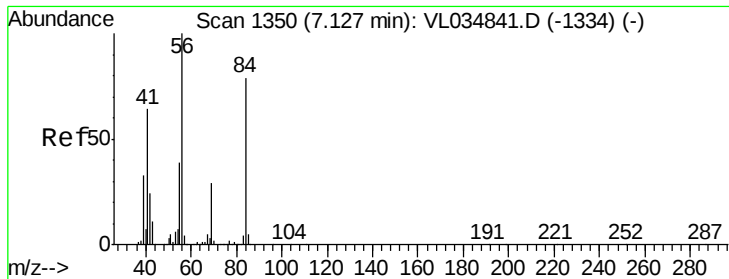
83 100

85 63.6 53.8 80.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

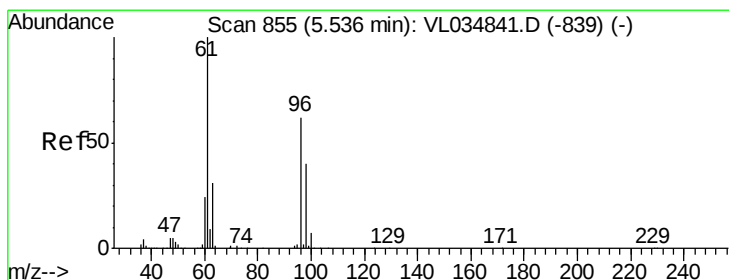
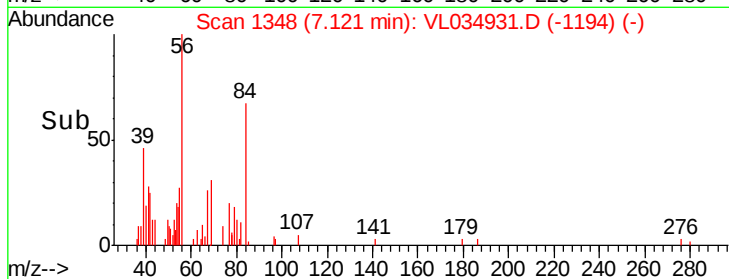
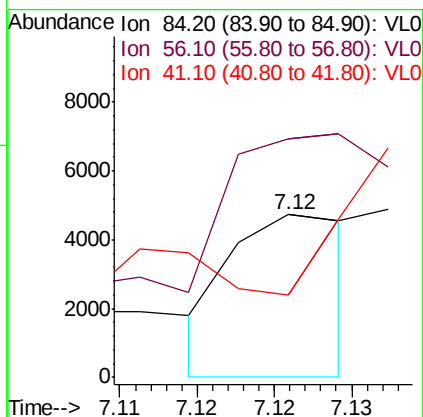
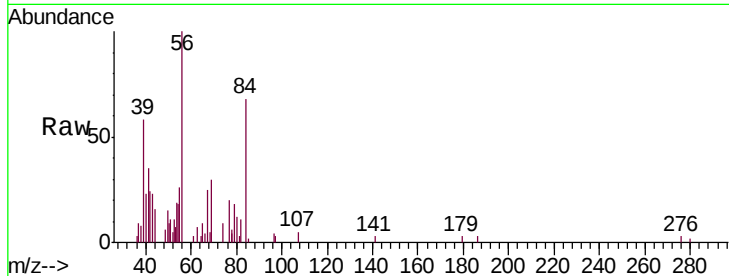




#30
Cyclohexane
Concen: 0.030 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL034931.D
Acq: 23 Mar 2020 15:54

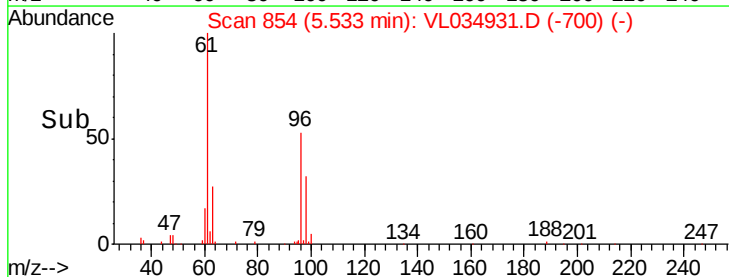
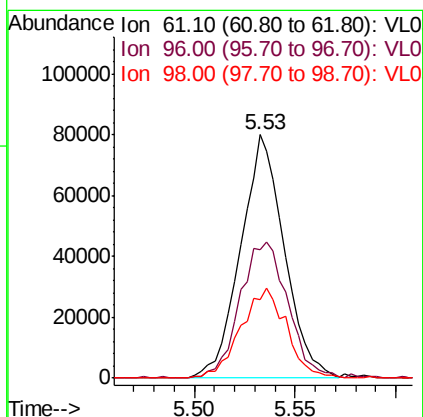
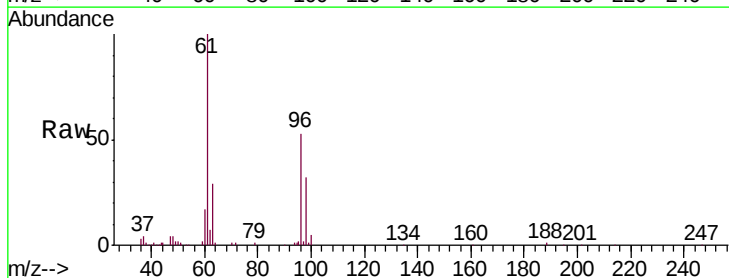
Instrument :
MSVOA_L
ClientSampleId :
AIR-01

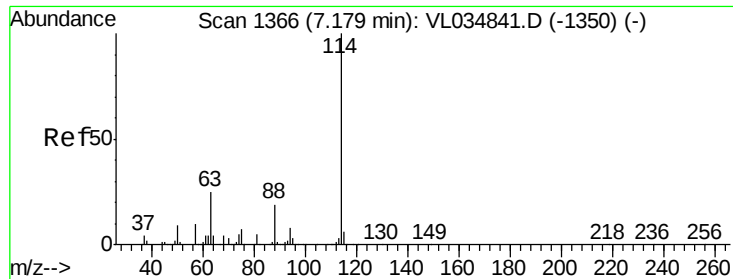
Tgt Ion: 84 Resp: 2550
Ion Ratio Lower Upper
84 100
56 0.0 110.5 165.7#
41 0.0 68.2 102.4#



#31
cis-1,2-Dichloroethene
Concen: 1.168 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL034931.D
Acq: 23 Mar 2020 15:54

Tgt Ion: 61 Resp: 121499
Ion Ratio Lower Upper
61 100
96 52.8 49.8 74.8
98 32.4 32.2 48.4

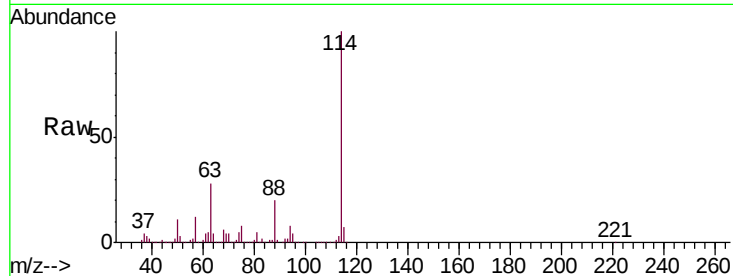




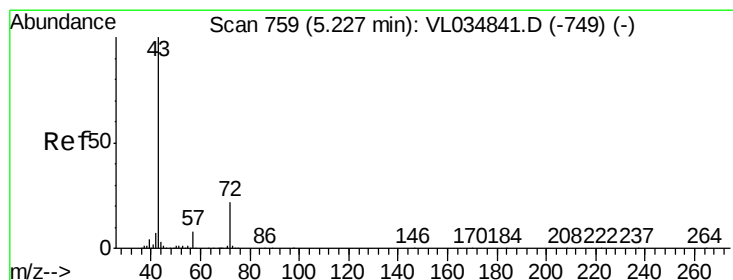
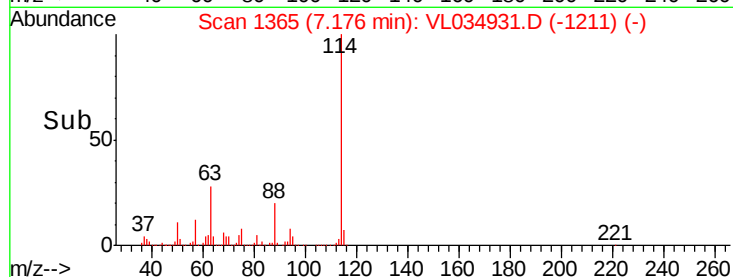
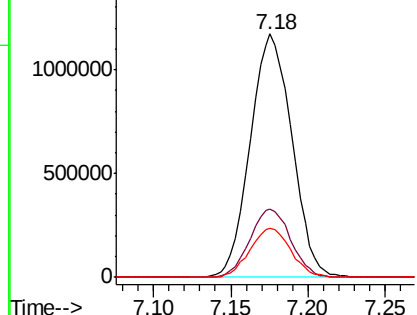
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL034931.D
 Acq: 23 Mar 2020 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01

Tgt Ion:114 Resp: 2193724
 Ion Ratio Lower Upper
 114 100
 63 27.6 20.6 31.0
 88 19.7 15.0 22.6

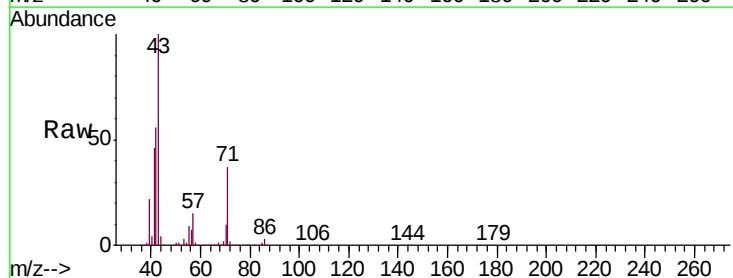


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

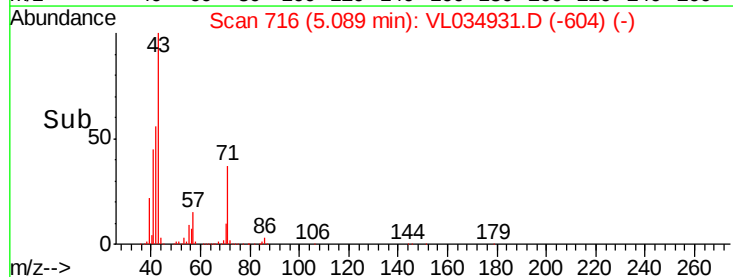
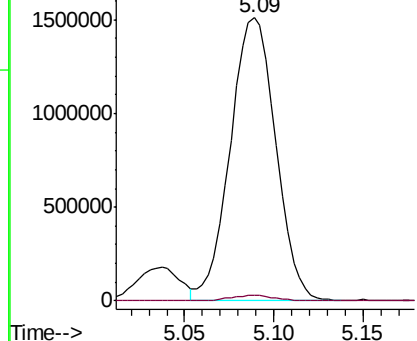


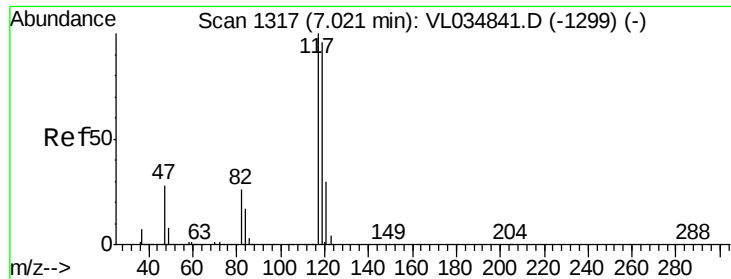
#34
 2-Butanone
 Concen: 18.345 ppbv
 RT: 5.09 min Scan# 716
 Delta R.T. -0.14 min
 Lab File: VL034931.D
 Acq: 23 Mar 2020 15:54

Tgt Ion: 43 Resp: 2674423
 Ion Ratio Lower Upper
 43 100
 72 1.9 17.6 26.4#



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





#35

Carbon Tetrachloride

Concen: 0.032 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL034931.D

Acq: 23 Mar 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

AIR-01

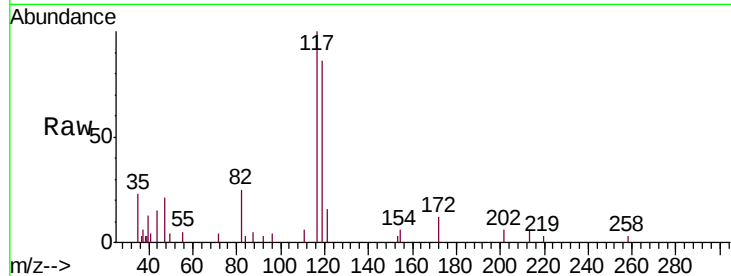
Tgt Ion: 117 Resp: 4332

Ion Ratio Lower Upper

117 100

119 78.3 77.0 115.4

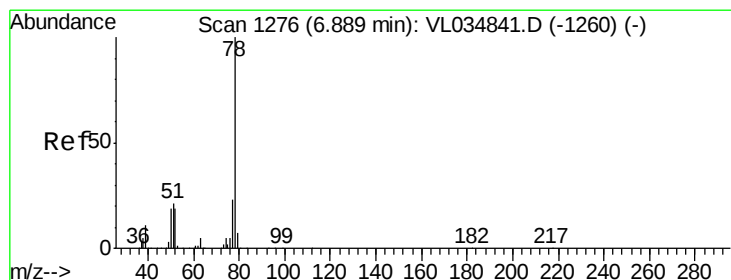
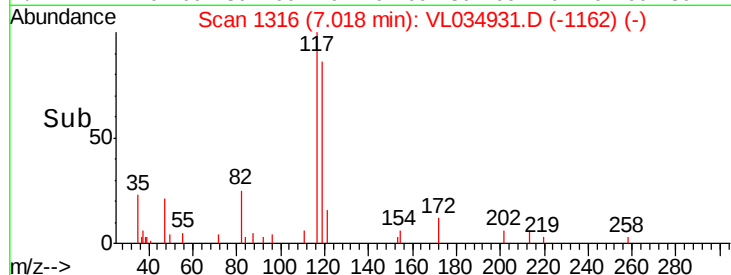
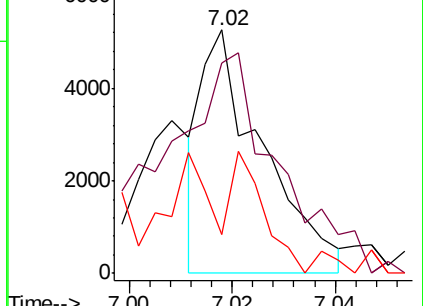
121 11.6 24.0 36.0#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.042 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL034931.D

Acq: 23 Mar 2020 15:54

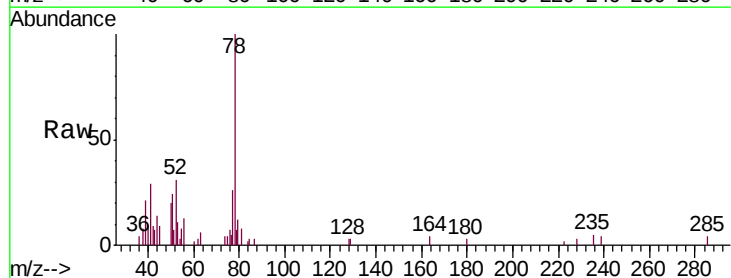
Tgt Ion: 78 Resp: 8168

Ion Ratio Lower Upper

78 100

77 24.6 18.2 27.2

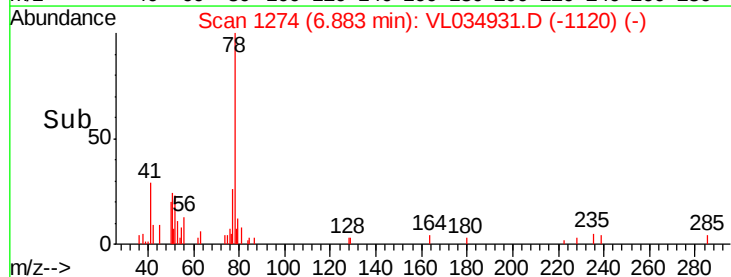
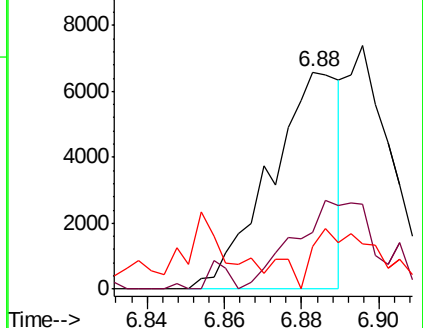
50 8.2 15.2 22.8#

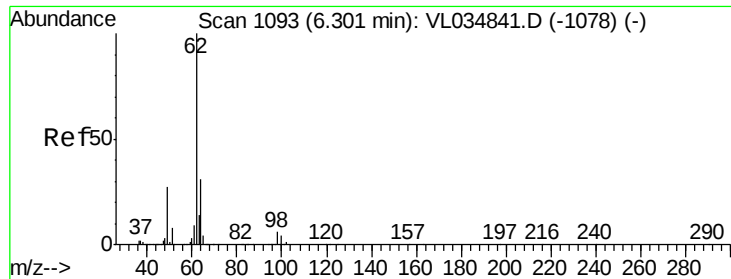


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

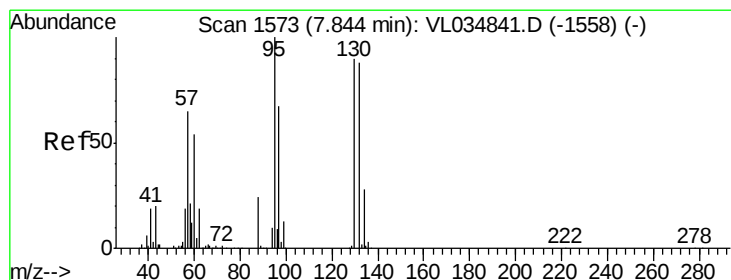
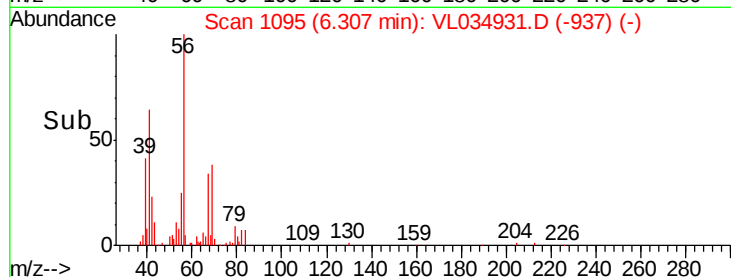
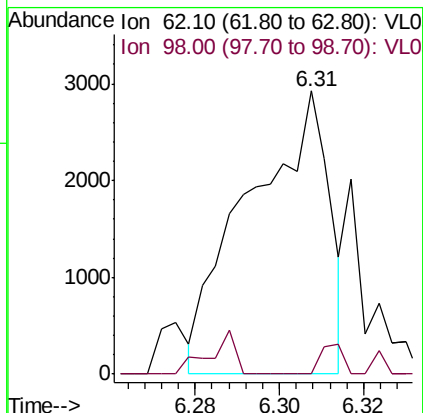
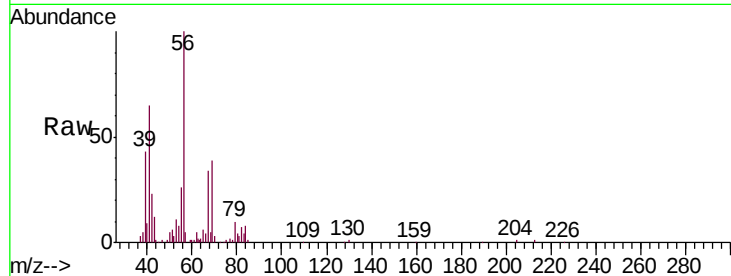




#37
 1,2-Dichloroethane
 Concen: 0.035 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. 0.01 min
 Lab File: VL034931.D
 Acq: 23 Mar 2020 15:54

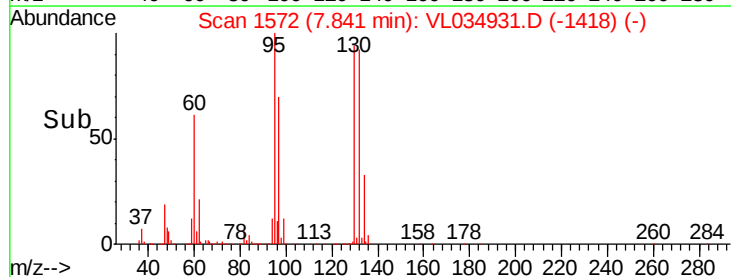
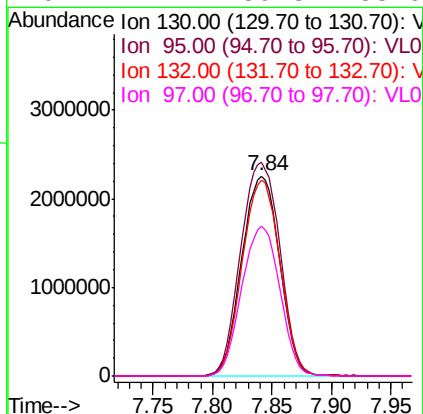
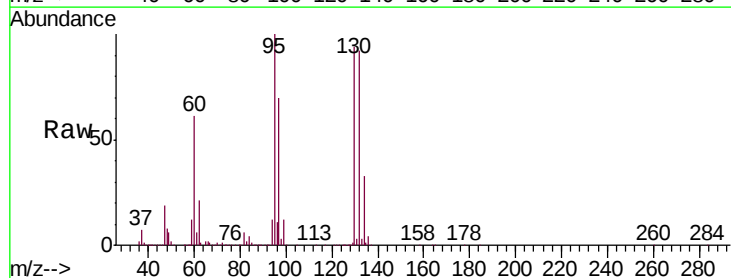
Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01

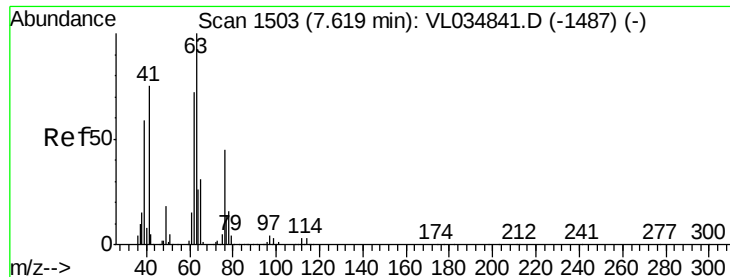
Tgt Ion: 62 Resp: 3874
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.2 7.8#



#38
 Trichloroethene
 Concen: 67.321 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL034931.D
 Acq: 23 Mar 2020 15:54

Tgt Ion: 130 Resp: 4999435
 Ion Ratio Lower Upper
 130 100
 95 106.8 88.5 132.7
 132 97.9 78.0 117.0
 97 74.7 59.3 88.9





#39

1,2-Dichloropropane

Concen: 0.095 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.21 min

Lab File: VL034931.D

Acq: 23 Mar 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

AIR-01

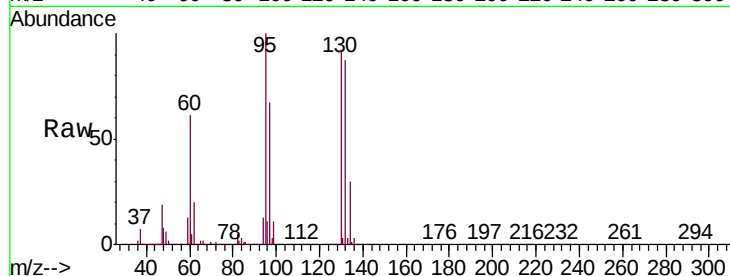
Tgt Ion: 63 Resp: 7371

Ion Ratio Lower Upper

63 100

41 4.0 59.8 89.8#

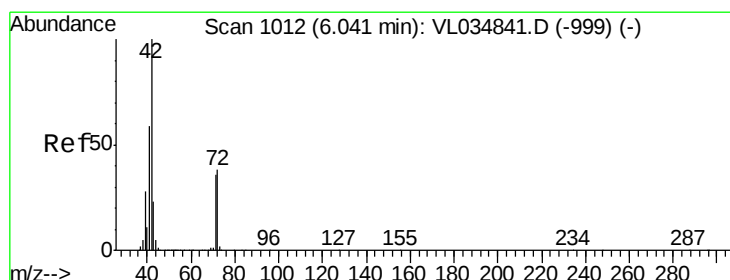
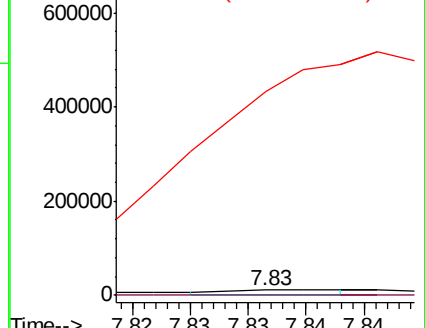
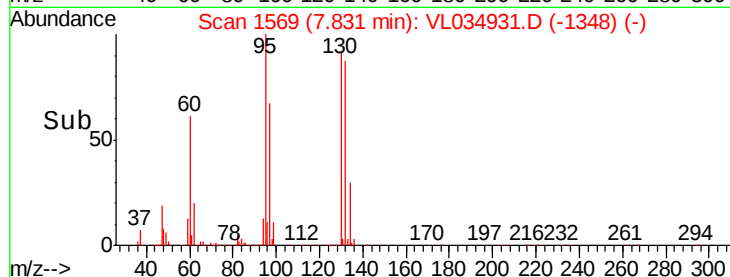
62 2747.4 57.6 86.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 0.257 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. 0.26 min

Lab File: VL034931.D

Acq: 23 Mar 2020 15:54

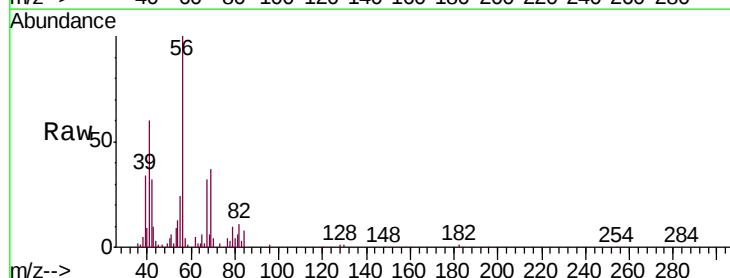
Tgt Ion: 42 Resp: 20301

Ion Ratio Lower Upper

42 100

72 0.0 30.8 46.2#

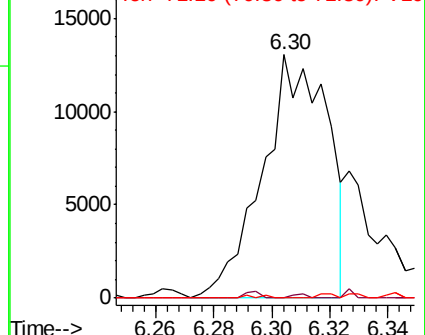
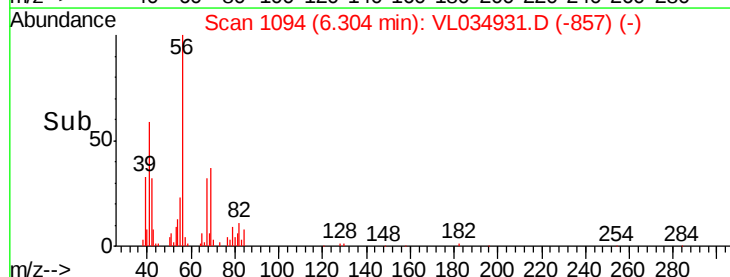
71 0.0 30.1 45.1#

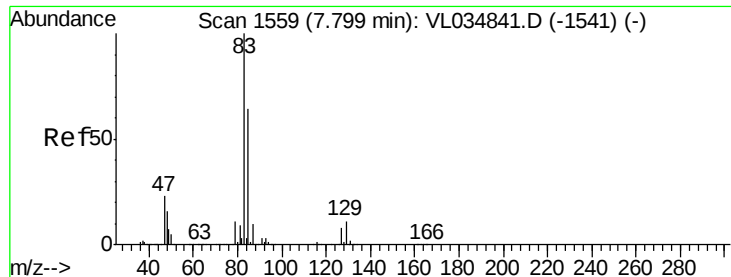


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.188 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VL034931.D

Acq: 23 Mar 2020 15:54

Instrument :

MSVOA_L

ClientSampled :

AIR-01

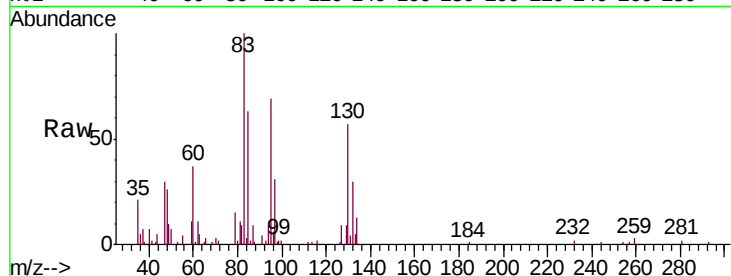
Tgt Ion: 83 Resp: 28201

Ion Ratio Lower Upper

83 100

85 62.2 51.4 77.2

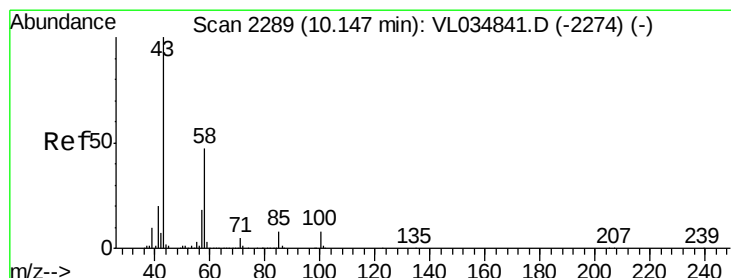
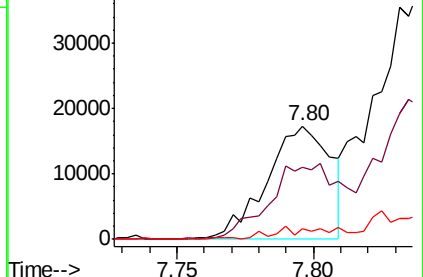
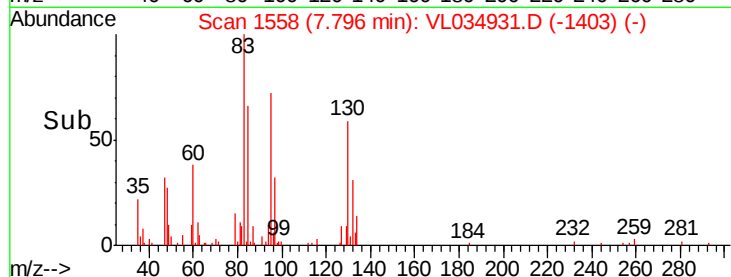
127 8.9 6.2 9.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V



#51

2-Hexanone

Concen: 0.109 ppbv

RT: 10.12 min Scan# 2282

Delta R.T. -0.02 min

Lab File: VL034931.D

Acq: 23 Mar 2020 15:54

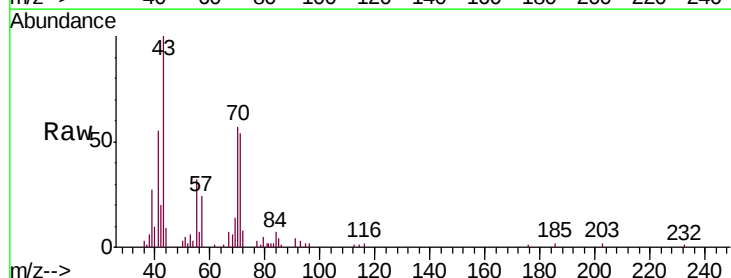
Tgt Ion: 43 Resp: 18622

Ion Ratio Lower Upper

43 100

58 1.6 38.6 58.0#

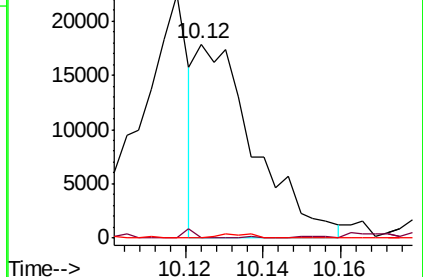
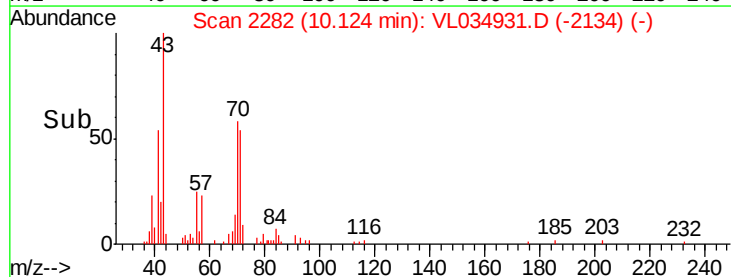
98 1.2 0.1 0.1#

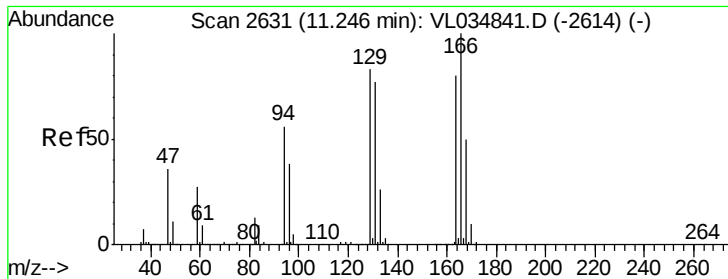


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0





#52

Tetrachloroethene

Concen: 0.045 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. -0.00 min

Lab File: VL034931.D

Acq: 23 Mar 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

AIR-01

Tgt Ion:164 Resp: 3481

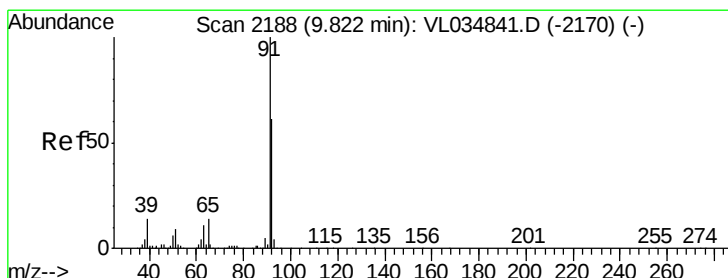
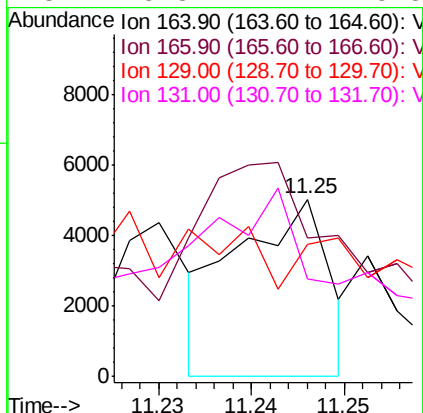
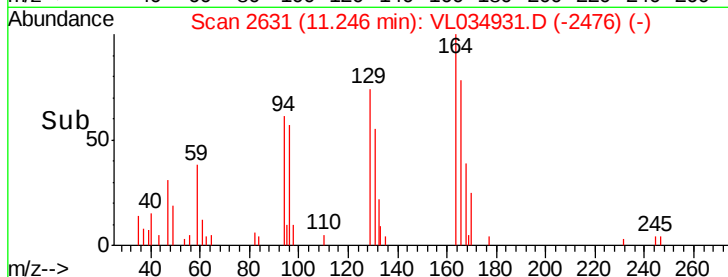
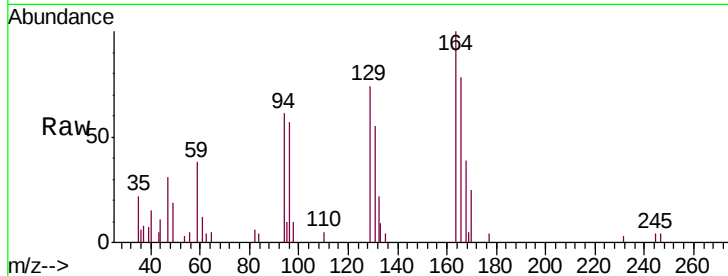
Ion Ratio Lower Upper

164 100

166 0.0 100.0 150.0#

129 0.0 83.1 124.7#

131 5.3 77.2 115.8#



#53

Toluene

Concen: 0.077 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.01 min

Lab File: VL034931.D

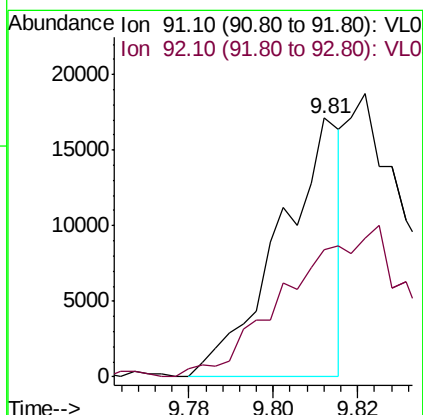
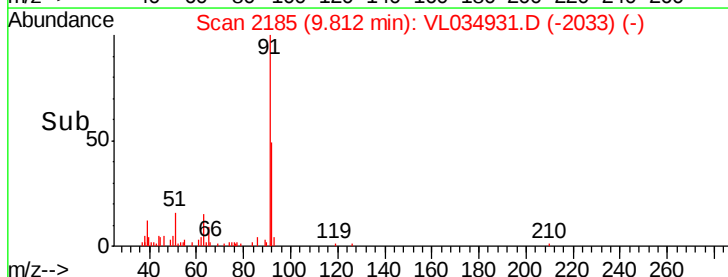
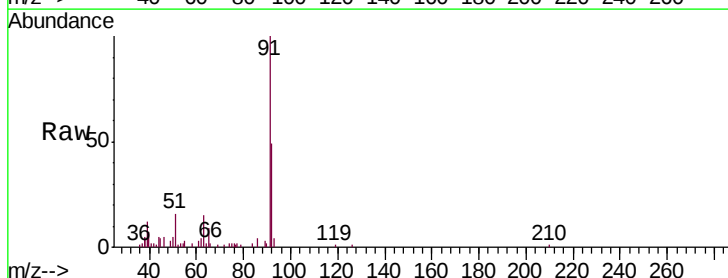
Acq: 23 Mar 2020 15:54

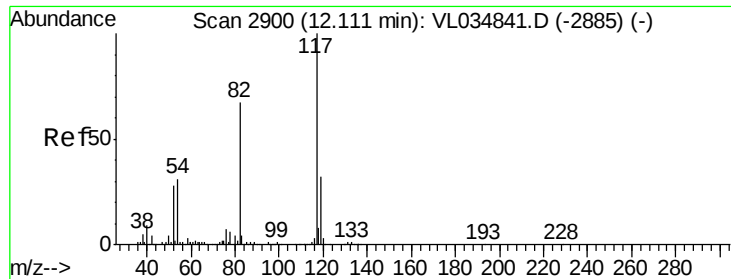
Tgt Ion: 91 Resp: 17394

Ion Ratio Lower Upper

91 100

92 0.0 48.6 72.8#

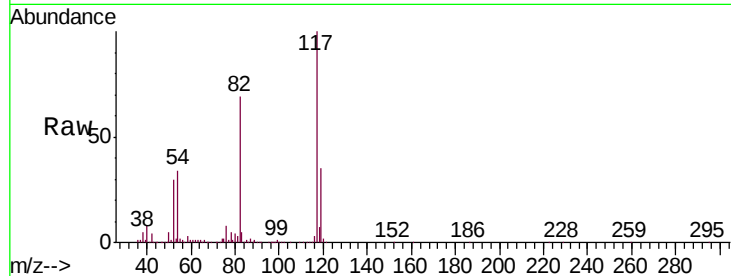




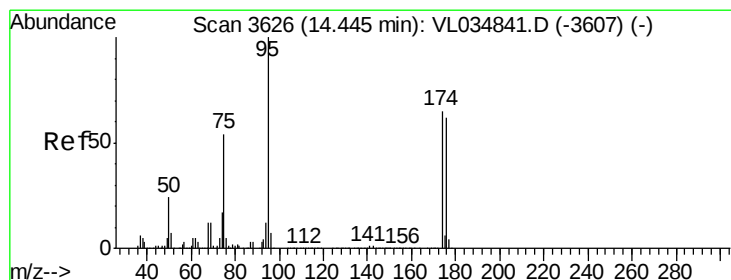
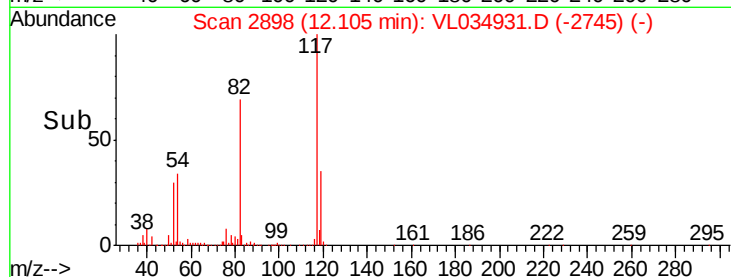
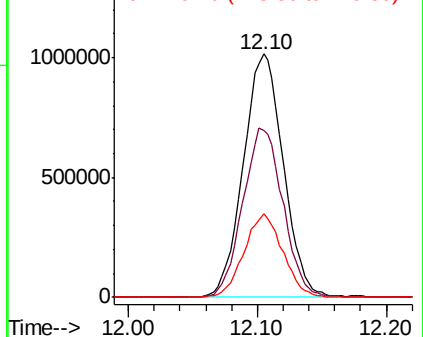
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL034931.D
Acq: 23 Mar 2020 15:54

Instrument :
MSVOA_L
ClientSampleId :
AIR-01

Tgt Ion: 117 Resp: 2194723
Ion Ratio Lower Upper
117 100
82 70.4 51.1 76.7
119 33.2 27.3 40.9

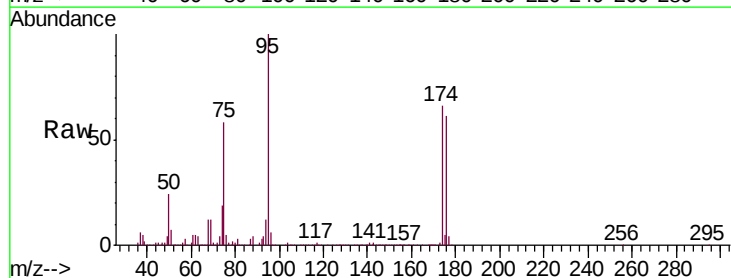


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

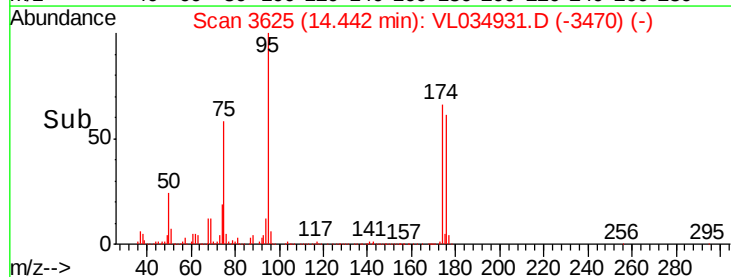
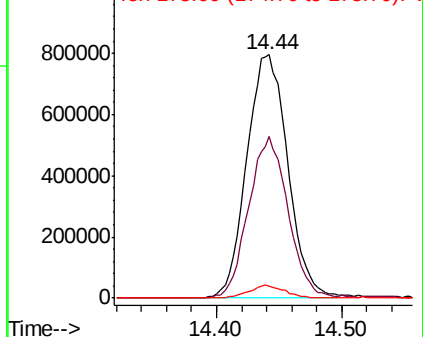


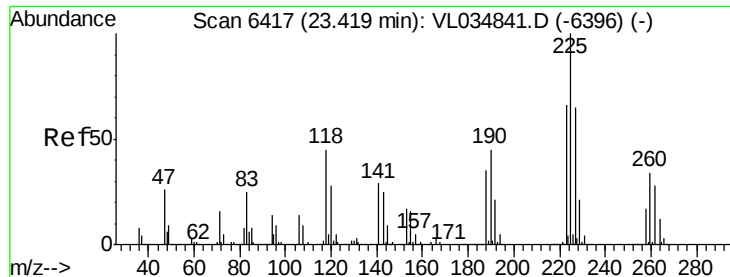
#68
1-Bromo-4-Fluorobenzene
Concen: 10.574 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL034931.D
Acq: 23 Mar 2020 15:54

Tgt Ion: 95 Resp: 1809898
Ion Ratio Lower Upper
95 100
174 64.5 55.2 82.8
175 4.7 4.3 6.5



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





#78

Hexachloro-1,3-Butadiene

Concen: 0.035 ppbv

RT: 23.40 min Scan# 6410

Delta R.T. -0.02 min

Lab File: VL034931.D

Acq: 23 Mar 2020 15:54

Instrument :

MSVOA_L

ClientSampleId :

AIR-01

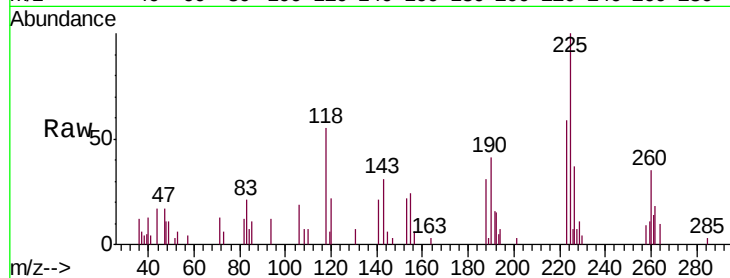
Tgt Ion:225 Resp: 4760

Ion Ratio Lower Upper

225 100

223 0.0 51.1 76.7#

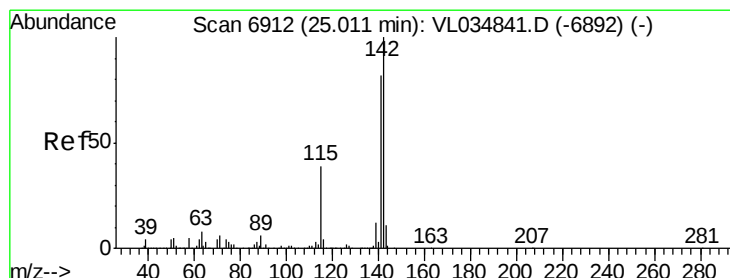
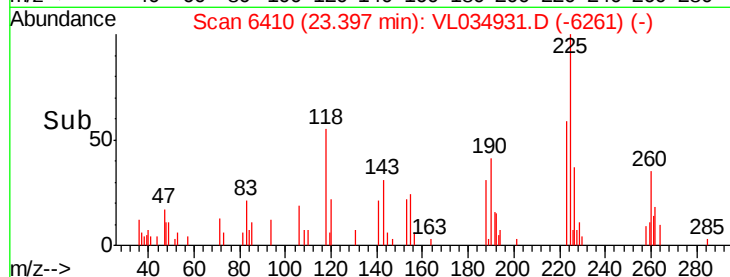
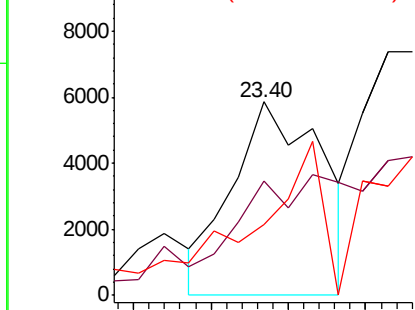
227 0.0 51.8 77.6#



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: 0.043 ppbv

RT: 25.01 min Scan# 6913

Delta R.T. 0.00 min

Lab File: VL034931.D

Acq: 23 Mar 2020 15:54

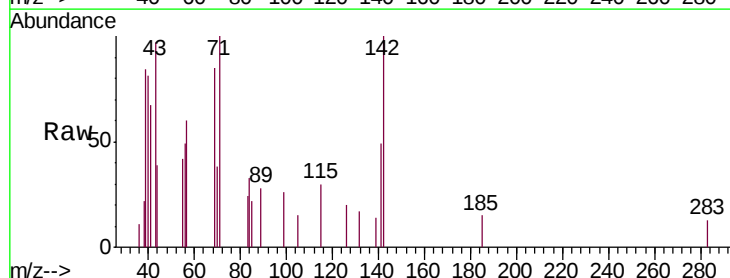
Tgt Ion:142 Resp: 2451

Ion Ratio Lower Upper

142 100

141 61.6 68.9 103.3#

115 31.1 33.2 49.8#



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

