

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035366.D
 Acq On : 7 Aug 2020 1:44
 Operator : SY/AP
 Sample : L3540-01 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 07 06:31:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 05 13:04:46 2020
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1273498	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3139696	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2987638	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2469388	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

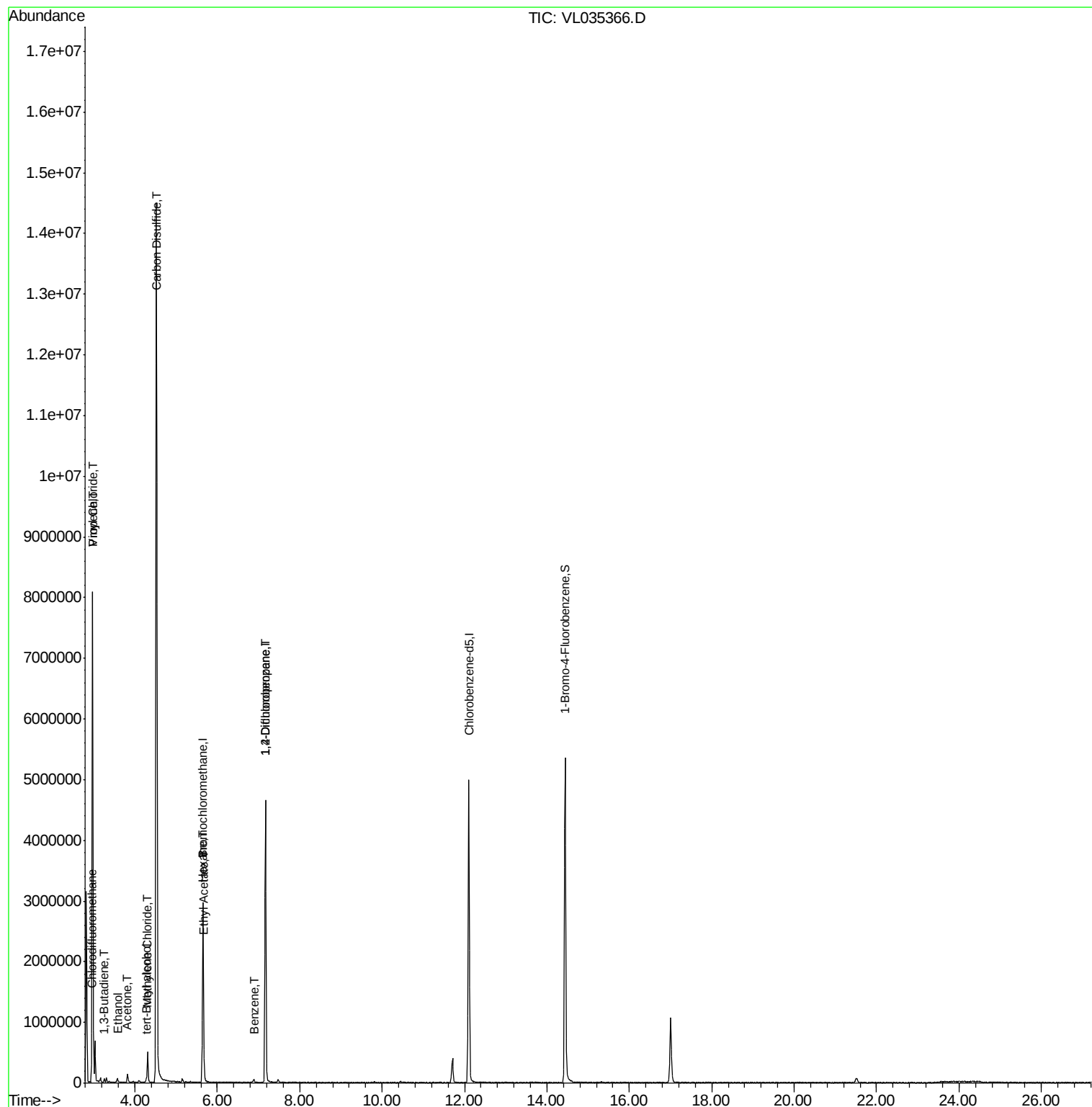
Target Compounds					Ovalue
3) Chlorodifluoromethane	2.94	51	5862	0.040	ppbv 93
5) Vinyl Chloride	2.97	62	1156220	13.657	ppbv # 48
9) Propene	2.96	41	136643	2.638	ppbv 94
13) Ethanol	3.57	45	72519	4.059	ppbv 100
15) Acetone	3.82	43	130717	0.723	ppbv # 81
16) 1,3-Butadiene	3.25	39	16396	0.236	ppbv # 18
17) tert-Butyl alcohol	4.27	59	23859	0.144	ppbv # 71
20) Methylene Chloride	4.31	84	152488	2.068	ppbv 96
25) Ethyl Acetate	5.67	43	60482	0.220	ppbv # 78
26) Hexane	5.66	57	48378	0.406	ppbv # 1
27) Carbon Disulfide	4.52	76	15928492	95.569	ppbv # 57
36) Benzene	6.89	78	43861	0.207	ppbv # 73
39) 1,2-Dichloropropane	7.17	63	827778	9.645	ppbv # 24

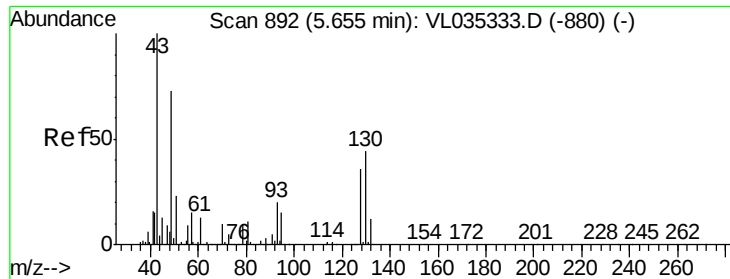
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 07 06:31:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 05 13:04:46 2020
QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL035366.D

Acq: 7 Aug 2020 1:44

Instrument :
MSVOA_L
ClientSampleId :

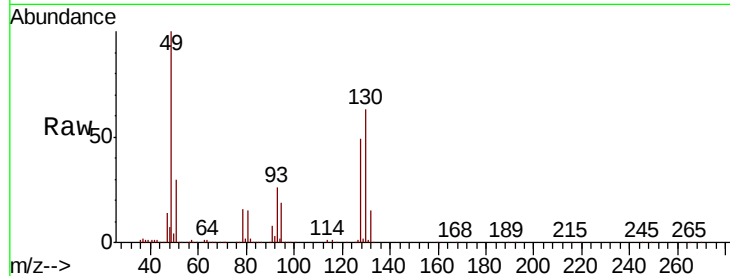
Tot Ion: 49 Resp: 1273498

Ion Ratio Lower Upper

49 100

128 51.7 25.4 76.0

130 64.0 32.1 96.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.65

800000

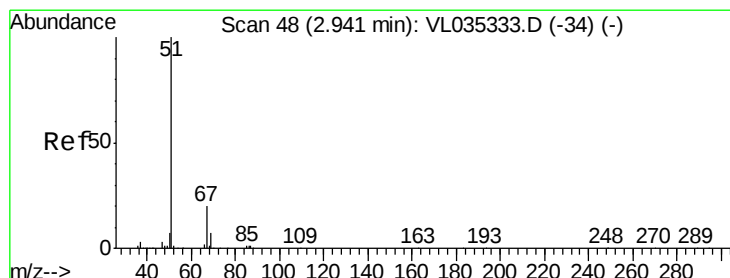
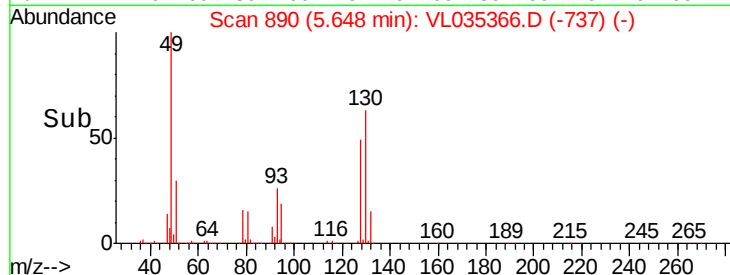
600000

400000

200000

0

Time--> 5.55 5.60 5.65 5.70 5.75



#3

Chlorodifluoromethane

Concen: 0.040 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.00 min

Lab File: VL035366.D

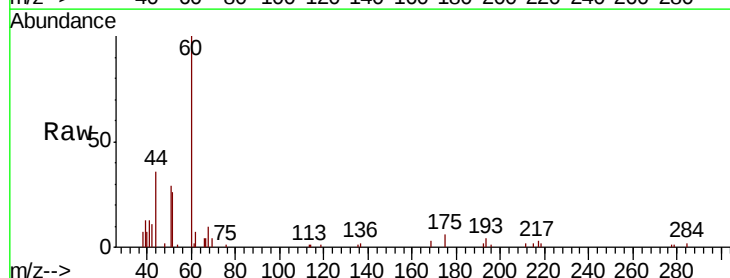
Acq: 7 Aug 2020 1:44

Tgt Ion: 51 Resp: 5862

Ion Ratio Lower Upper

51 100

67 23.9 16.6 25.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

8000

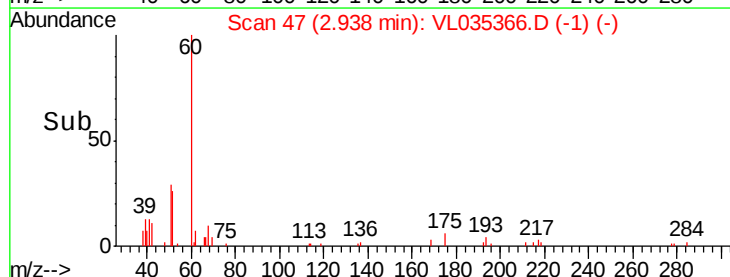
6000

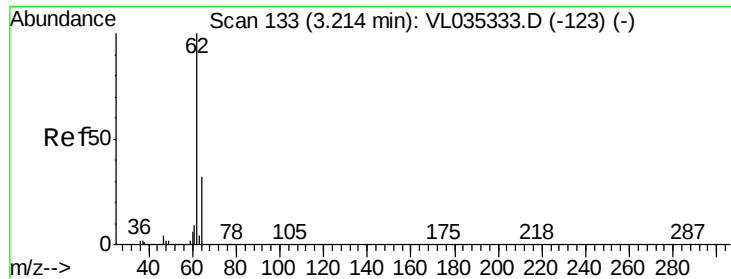
4000

2000

0

Time--> 2.92 2.94 2.96 2.98





#5

Vinyl Chloride

Concen: 13.657 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.24 min

Lab File: VL035366.D

Acq: 7 Aug 2020 1:44

Instrument :

MSVOA_L

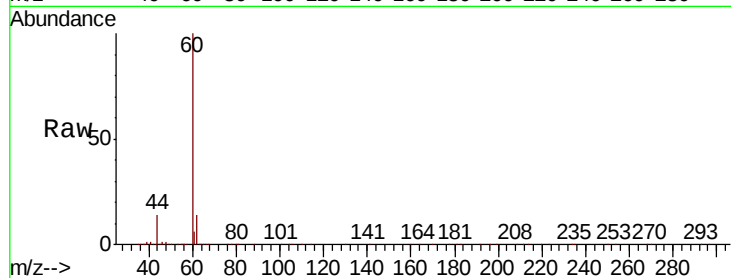
ClientSampleId :

Tot Ion: 62 Resp: 1156220

Ion Ratio Lower Upper

62 100

64 3.0 25.8 38.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

2.97

800000

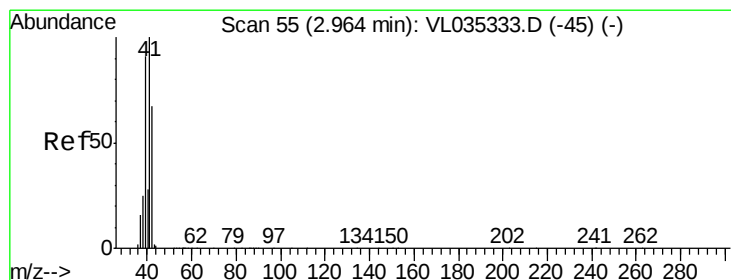
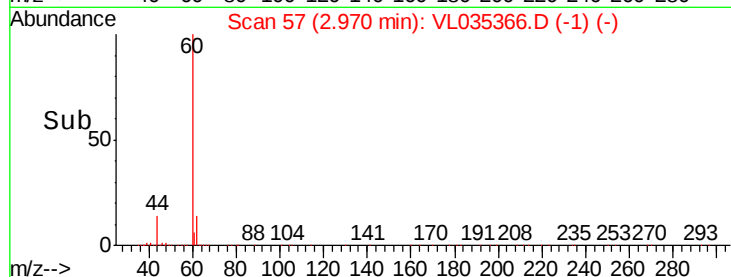
600000

400000

200000

0

Time--> 2.90 2.95 3.00



#9

Propene

Concen: 2.638 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL035366.D

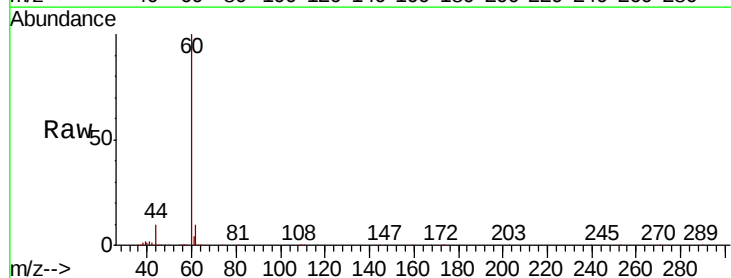
Acq: 7 Aug 2020 1:44

Tgt Ion: 41 Resp: 136643

Ion Ratio Lower Upper

41 100

42 63.9 55.3 82.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.96

120000

100000

80000

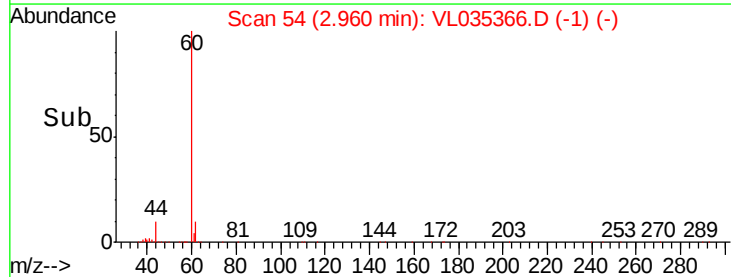
60000

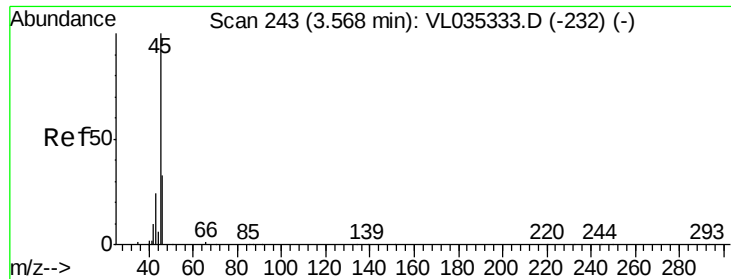
40000

20000

0

Time--> 2.90 2.95 3.00

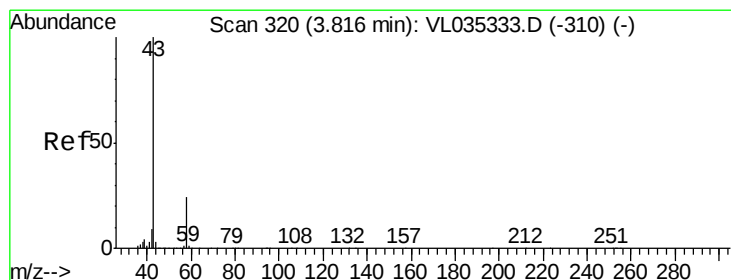
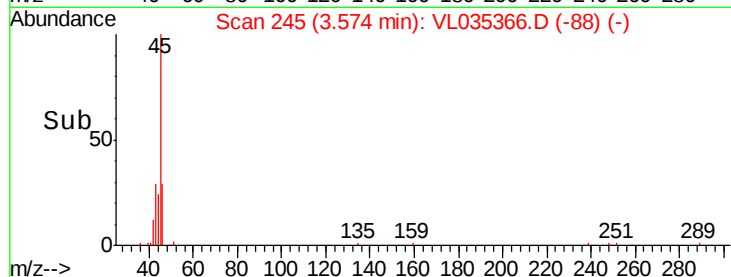
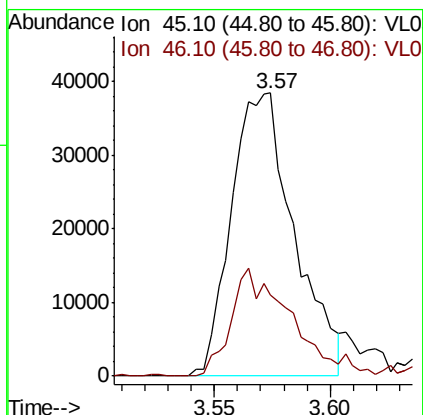
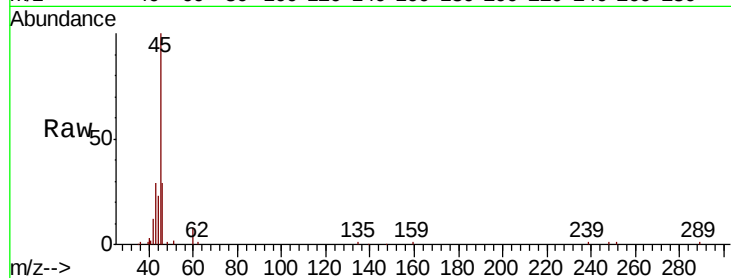




#13
Ethanol
Concen: 4.059 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.01 min
Lab File: VL035366.D
Acq: 7 Aug 2020 1:44

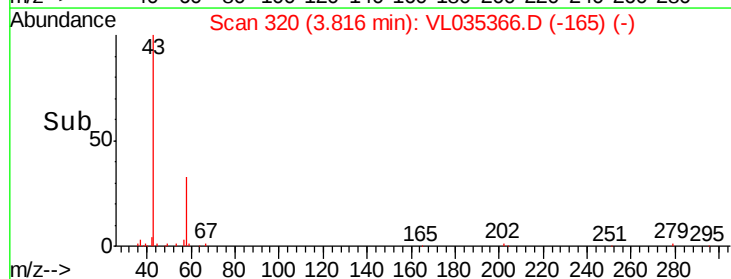
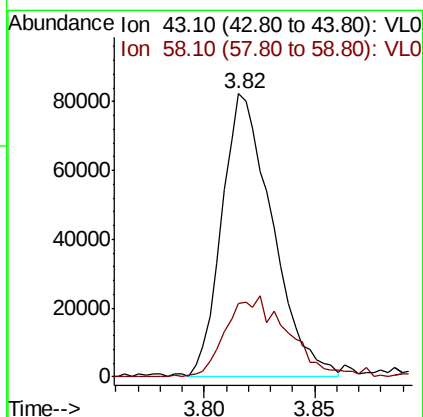
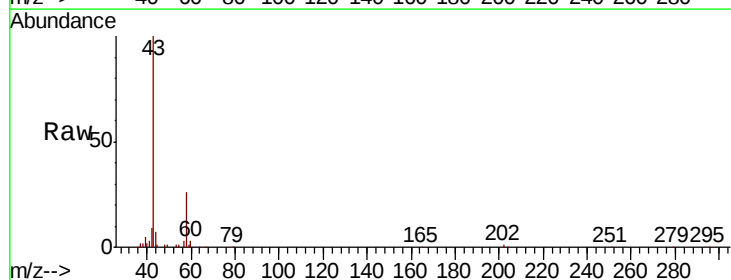
Instrument :
MSVOA_L
ClientSampleId :

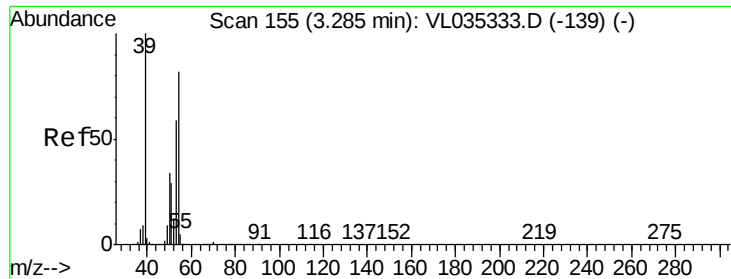
Tot Ion: 45 Resp: 72519
Ion Ratio Lower Upper
45 100
46 37.9 15.2 61.0



#15
Acetone
Concen: 0.723 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.00 min
Lab File: VL035366.D
Acq: 7 Aug 2020 1:44

Tgt Ion: 43 Resp: 130717
Ion Ratio Lower Upper
43 100
58 36.2 21.0 31.4#

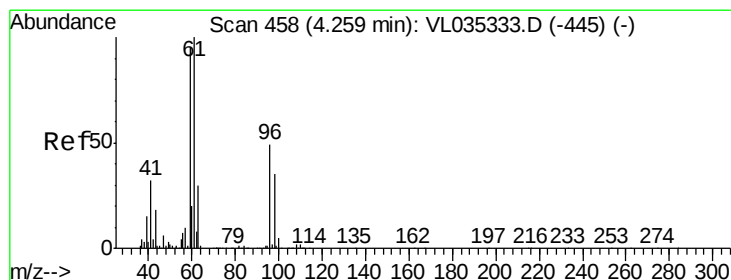
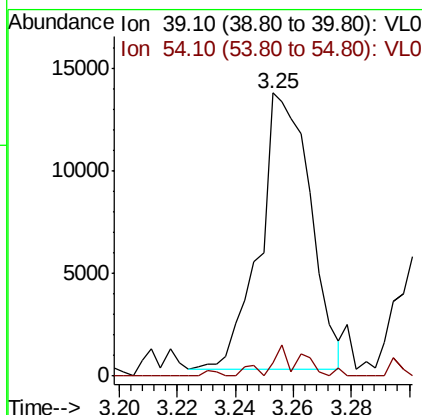
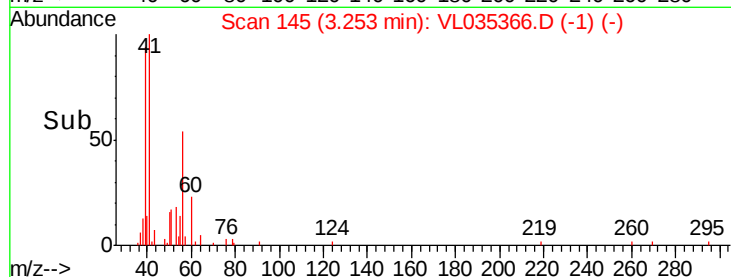
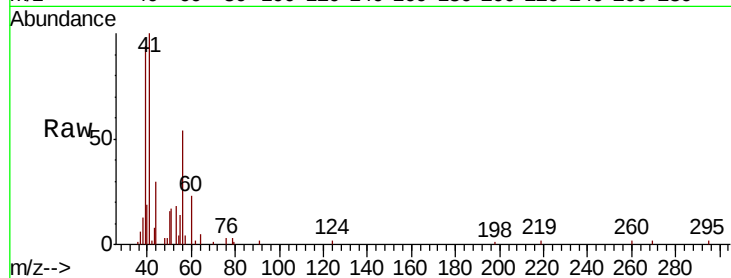




#16
1,3-Butadiene
Concen: 0.236 ppbv
RT: 3.25 min Scan# 145
Delta R.T. -0.03 min
Lab File: VL035366.D
Acq: 7 Aug 2020 1:44

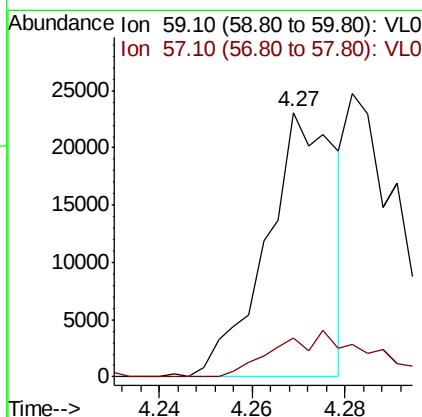
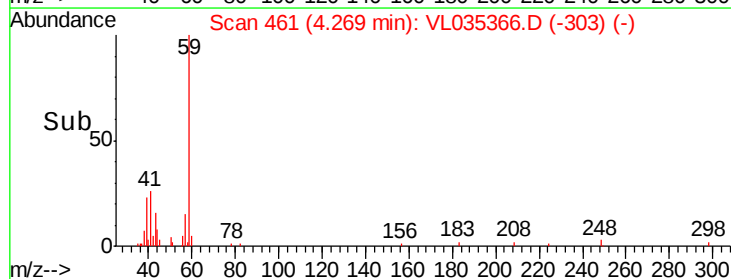
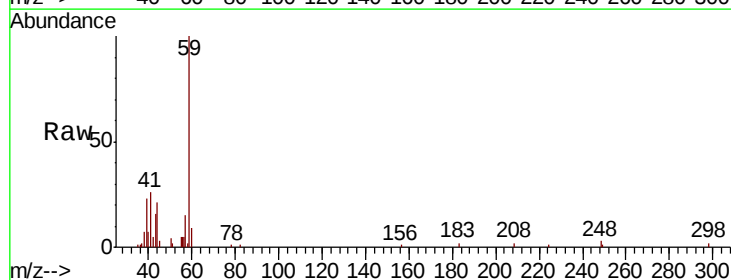
Instrument :
MSVOA_L
ClientSampleId :

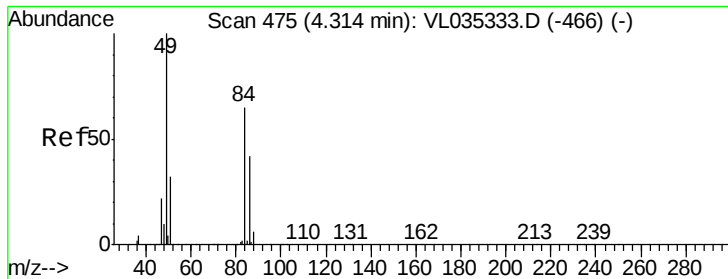
Tot Ion: 39 Resp: 16396
Ion Ratio Lower Upper
39 100
54 7.6 64.4 96.6#



#17
tert-Butyl alcohol
Concen: 0.144 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL035366.D
Acq: 7 Aug 2020 1:44

Tgt Ion: 59 Resp: 23859
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

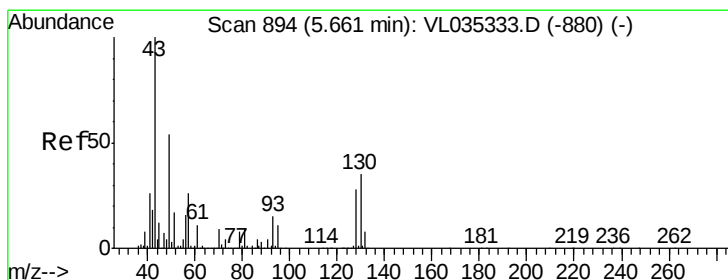
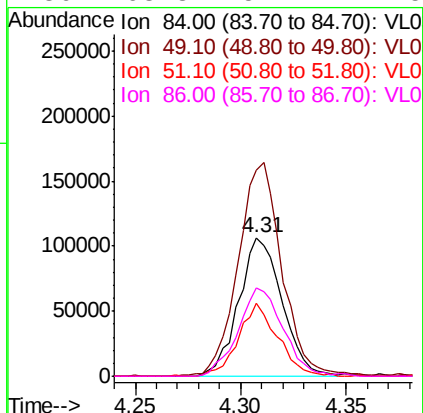
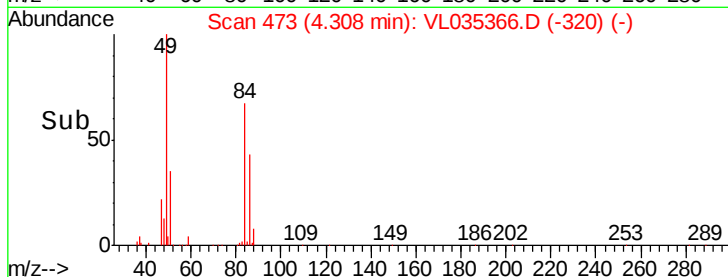
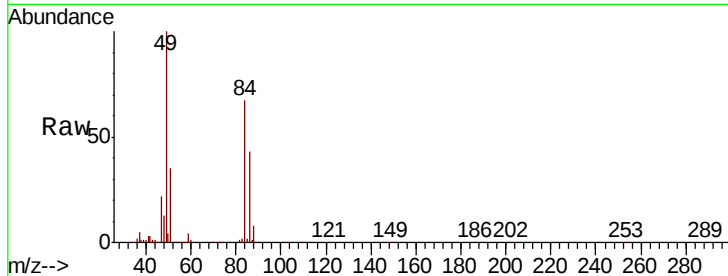




#20
Methvlene Chloride
Concen: 2.068 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.01 min
Lab File: VL035366.D
Acq: 7 Aug 2020 1:44

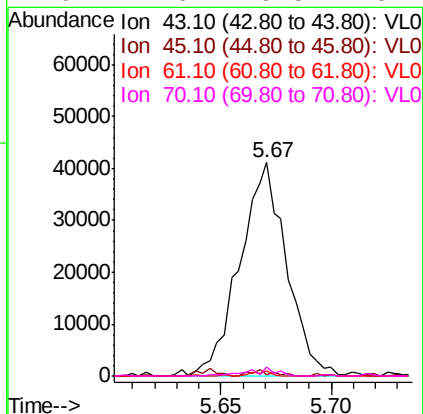
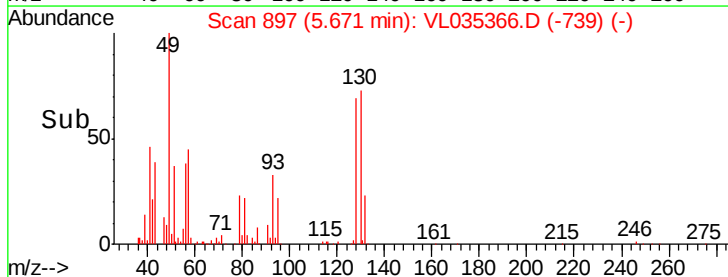
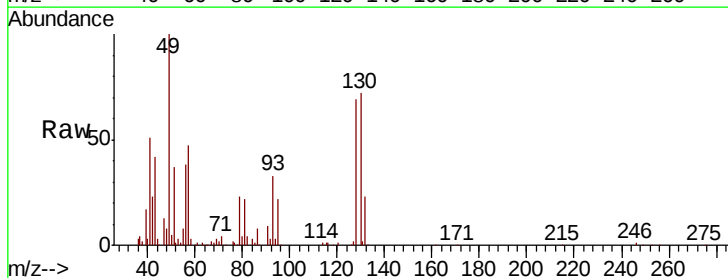
Instrument :
MSVOA_L
ClientSampleId :

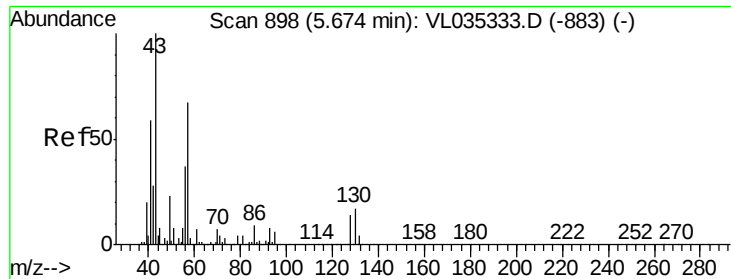
Tot Ion:	84	Resp:	152488
Ion	Ratio	Lower	Upper
84	100		
49	147.2	122.8	184.2
51	52.3	40.1	60.1
86	63.3	51.7	77.5



#25
Ethyl Acetate
Concen: 0.220 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL035366.D
Acq: 7 Aug 2020 1:44

Tgt Ion:	43	Resp:	60482
Ion	Ratio	Lower	Upper
43	100		
45	1.6	8.5	12.7#
61	1.0	8.1	12.1#
70	2.6	6.5	9.7#

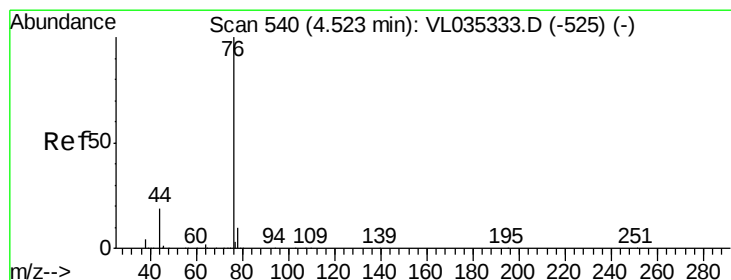
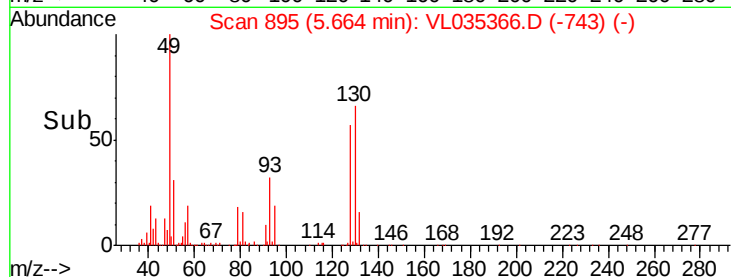
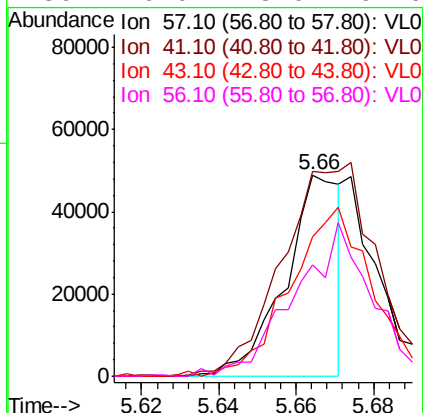
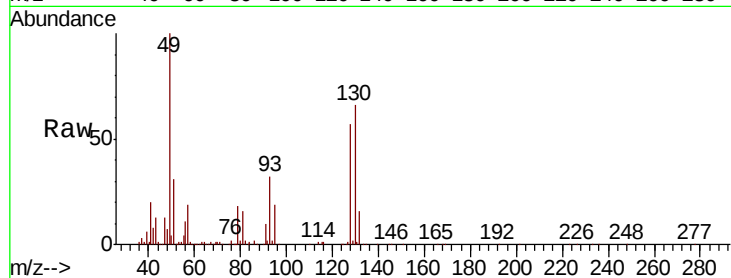




#26
Hexane
Concen: 0.406 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035366.D
Acq: 7 Aug 2020 1:44

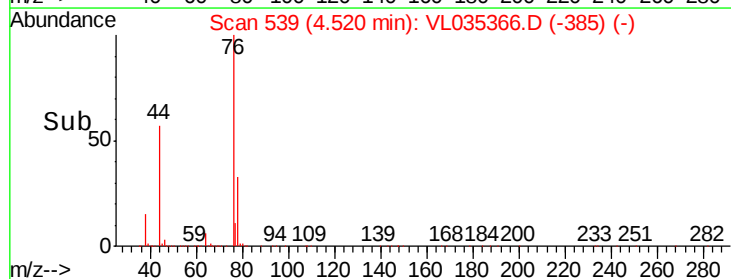
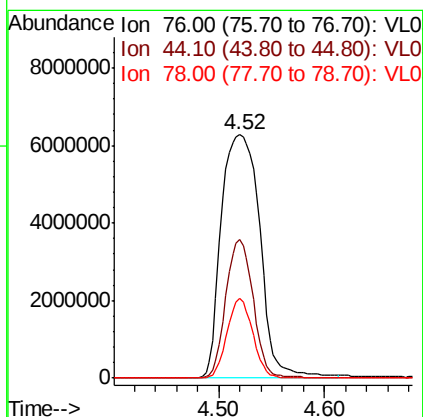
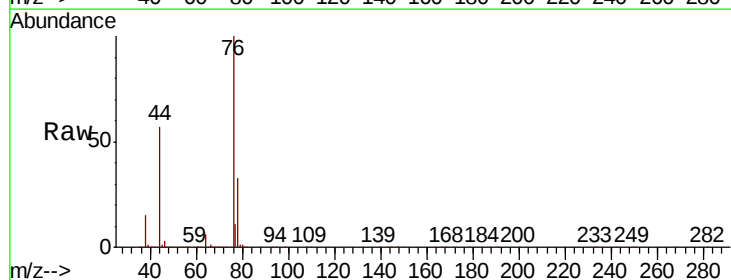
Instrument :
MSVOA_L
ClientSampleId :

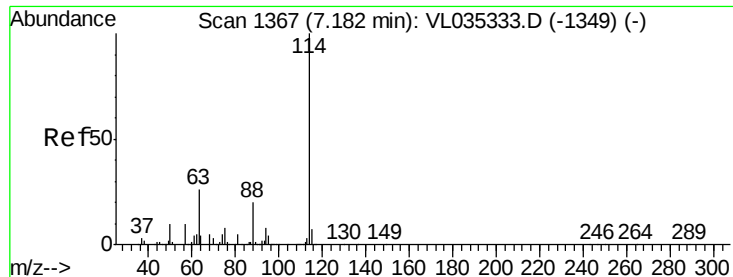
Tot Ion: 57 Resp: 48378
Ion Ratio Lower Upper
57 100
41 0.0 75.2 112.8#
43 0.0 180.6 270.8#
56 0.0 43.0 64.6#



#27
Carbon Disulfide
Concen: 95.569 ppbv
RT: 4.52 min Scan# 539
Delta R.T. -0.00 min
Lab File: VL035366.D
Acq: 7 Aug 2020 1:44

Tgt Ion: 76 Resp:15928492
Ion Ratio Lower Upper
76 100
44 40.5 15.4 23.2#
78 22.0 7.7 11.5#

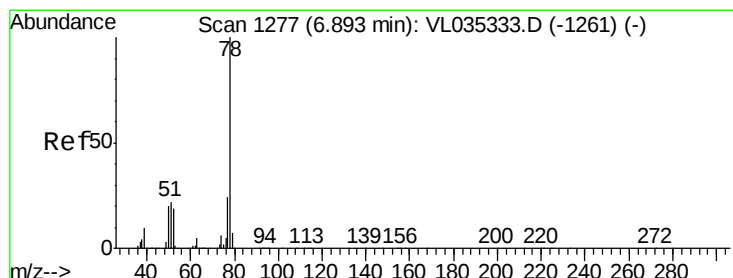
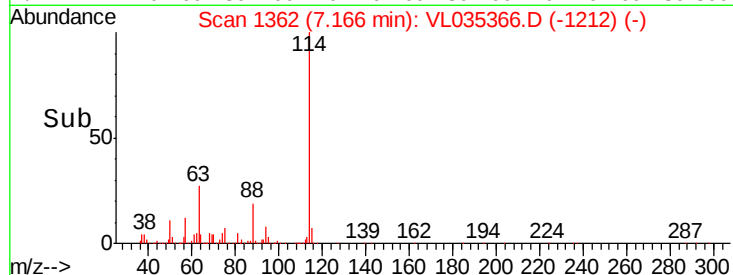
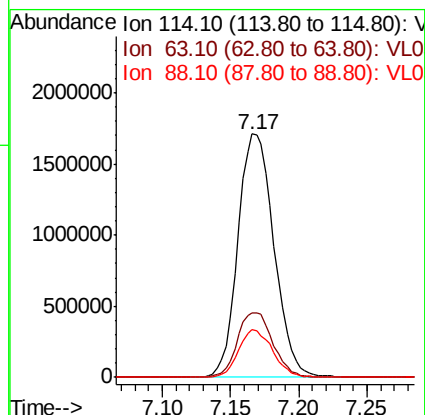
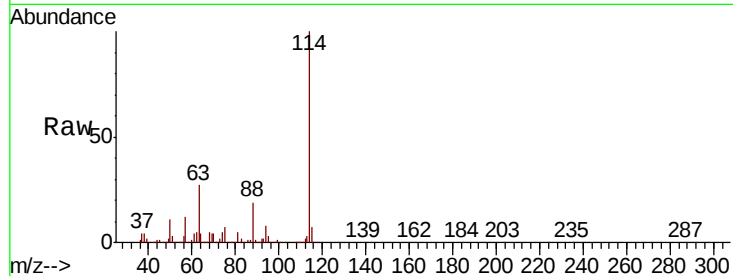




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.02 min
 Lab File: VL035366.D
 Acq: 7 Aug 2020 1:44

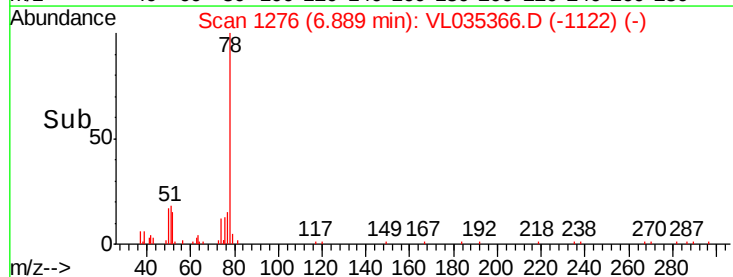
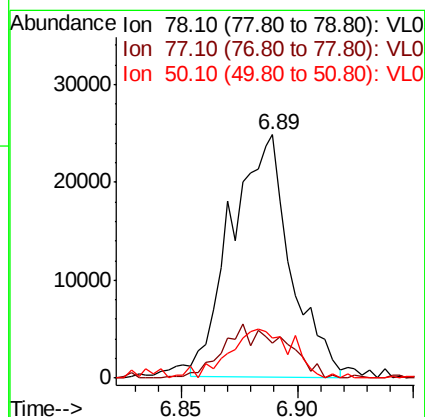
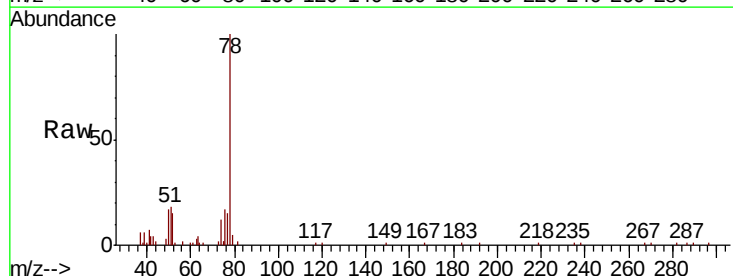
Instrument :
 MSVOA_L
 ClientSampleId :

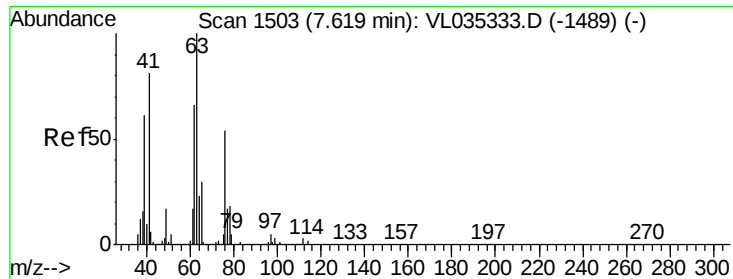
Tot Ion:114 Resp: 3139696
 Ion Ratio Lower Upper
 114 100
 63 26.6 21.3 31.9
 88 18.7 15.3 22.9



#36
 Benzene
 Concen: 0.207 ppbv
 RT: 6.89 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VL035366.D
 Acq: 7 Aug 2020 1:44

Tgt Ion: 78 Resp: 43861
 Ion Ratio Lower Upper
 78 100
 77 12.8 19.3 28.9#
 50 35.6 16.3 24.5#

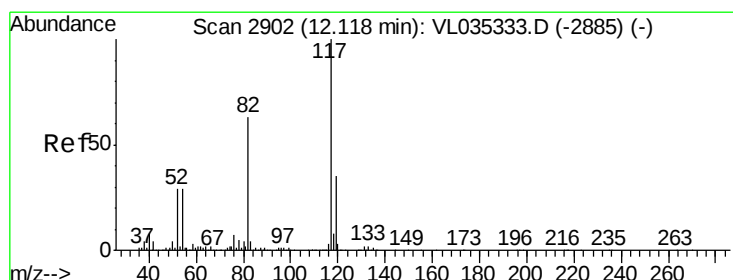
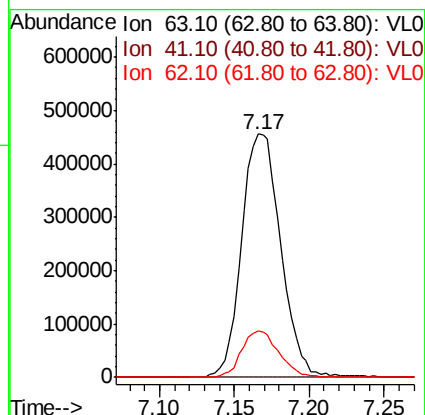
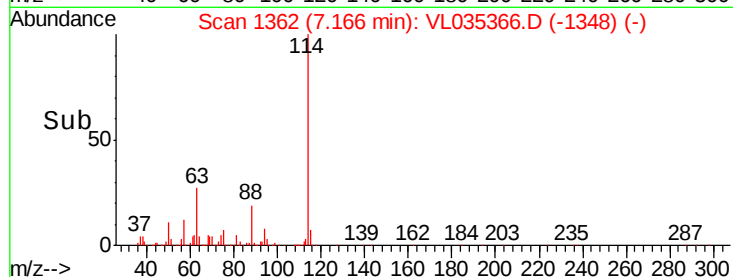
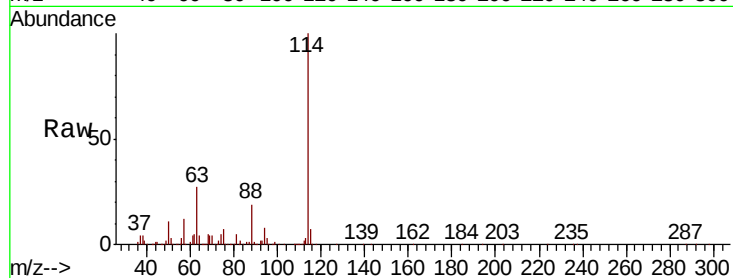




#39
 1,2-Dichloropropane
 Concen: 9.645 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.45 min
 Lab File: VL035366.D
 Acq: 7 Aug 2020 1:44

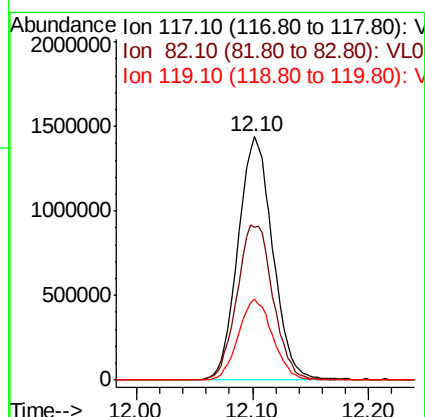
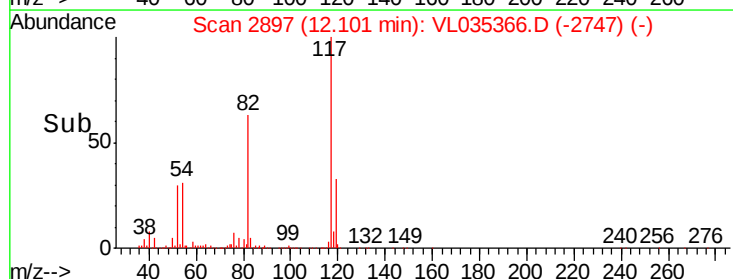
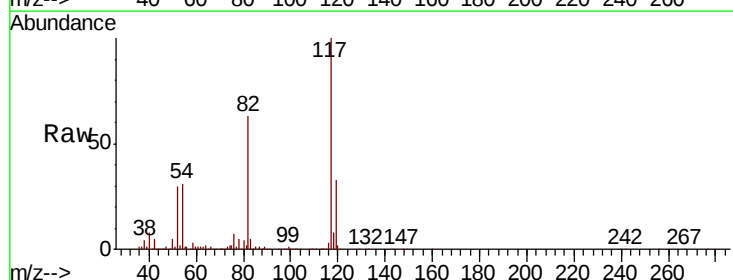
Instrument :
 MSVOA_L
 ClientSampleId :

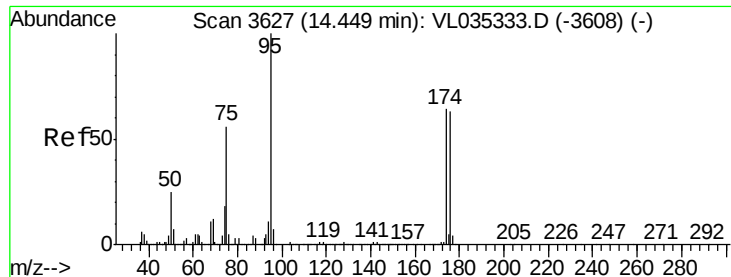
Tot Ion: 63 Resp: 827778
 Ion Ratio Lower Upper
 63 100
 41 0.0 64.4 96.6#
 62 19.1 52.6 78.8#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2897
 Delta R.T. -0.02 min
 Lab File: VL035366.D
 Acq: 7 Aug 2020 1:44

Tgt Ion: 117 Resp: 2987638
 Ion Ratio Lower Upper
 117 100
 82 66.4 51.0 76.4
 119 33.1 24.7 37.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.911 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. -0.01 min
 Lab File: VL035366.D
 Acq: 7 Aug 2020 1:44

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 2469388
 Ion Ratio Lower Upper
 95 100
 174 67.4 53.5 80.3
 175 5.0 4.2 6.2

