

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036501.D
 Acq On : 26 Mar 2021 00:57
 Operator :
 Sample : M1748-36DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 26 03:54:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1425521	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3481830	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3022029	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2298040	9.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%

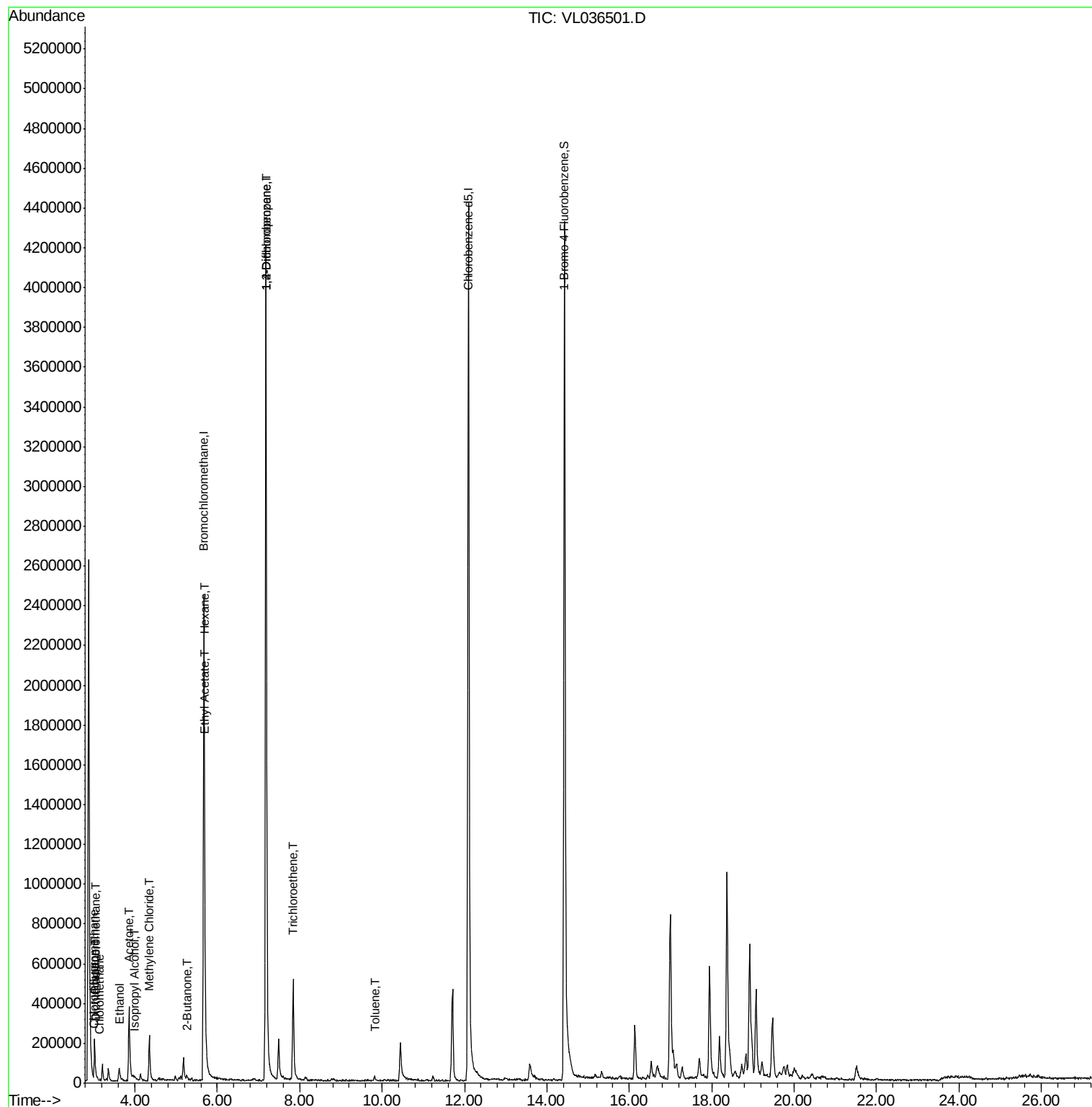
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	11444	0.049 ppbv	98
3) Chlorodifluoromethane	2.99	51	18184	0.068 ppbv #	88
4) Chloromethane	3.15	50	3170	0.034 ppbv #	84
9) Propene	3.02	41	53797	0.634 ppbv #	71
13) Ethanol	3.61	45	82710	8.180 ppbv	98
15) Acetone	3.86	43	492002	3.507 ppbv	94
19) Isopropyl Alcohol	3.99	45	12520	0.162 ppbv #	89
20) Methylene Chloride	4.35	84	40838	0.622 ppbv	88
25) Ethyl Acetate	5.70	43	55716	0.167 ppbv #	82
26) Hexane	5.69	57	75431	0.487 ppbv #	49
34) 2-Butanone	5.26	43	17067	0.100 ppbv #	54
38) Trichloroethene	7.84	130	167656	1.342 ppbv	91
39) 1,2-Dichloropropane	7.18	63	931282	7.149 ppbv #	24
53) Toluene	9.82	91	8995	0.026 ppbv #	35

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

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QLast Update : Thu Mar 25 09:42:40 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 26 Mar 2021 00:57

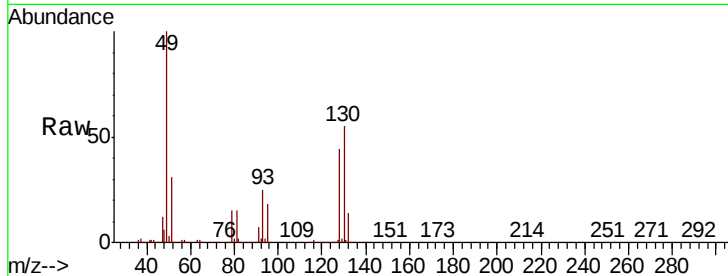
Tot Ion: 49 Resp: 1425521

Ion Ratio Lower Upper

49 100

128 46.5 23.5 70.6

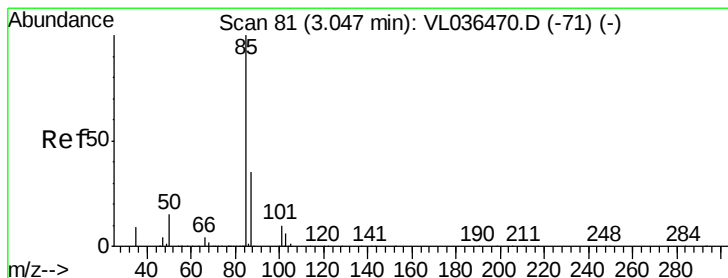
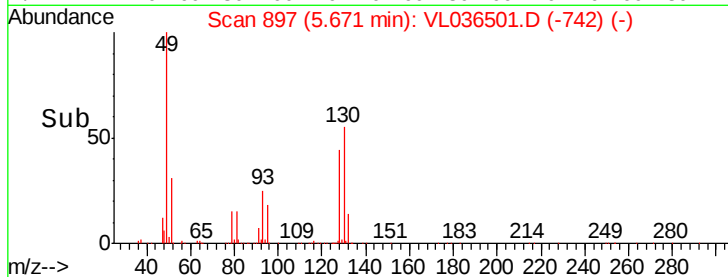
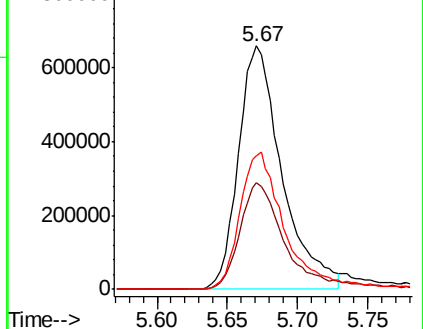
130 60.3 29.1 87.4



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: 0.049 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL036501.D

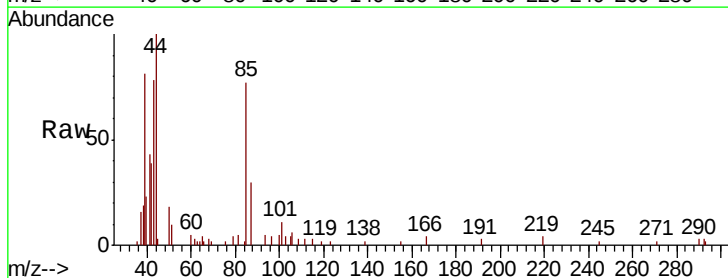
Acq: 26 Mar 2021 00:57

Tgt Ion: 85 Resp: 11444

Ion Ratio Lower Upper

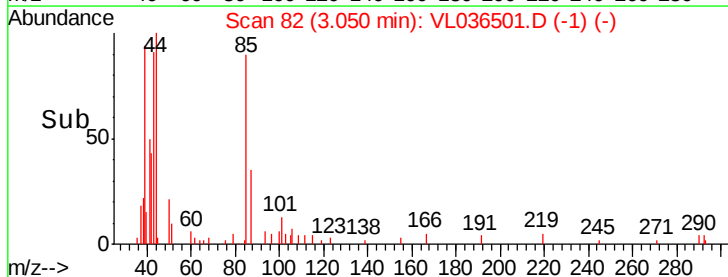
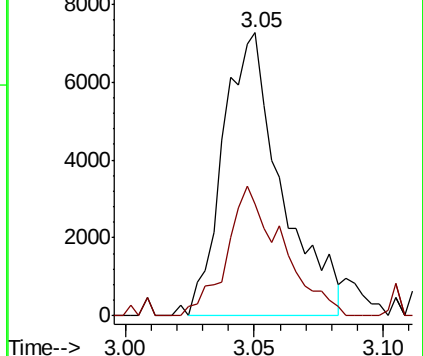
85 100

87 35.9 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.068 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

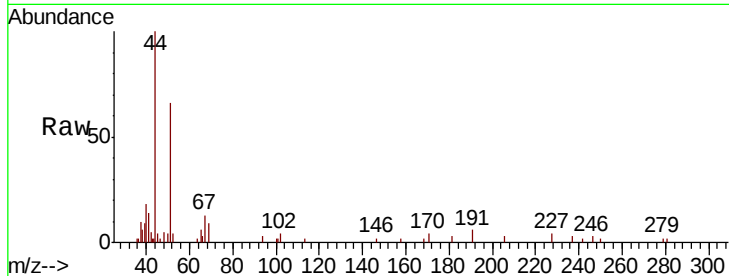
Acq: 26 Mar 2021 00:57

Tot Ion: 51 Resp: 18184

Ion Ratio Lower Upper

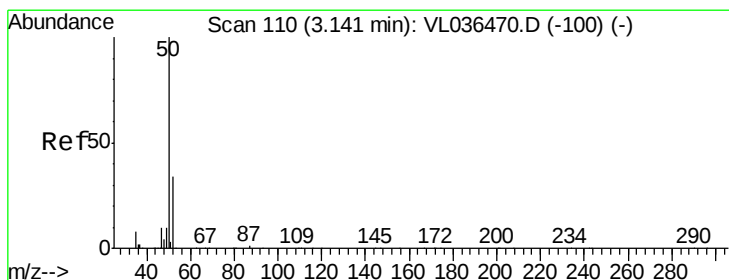
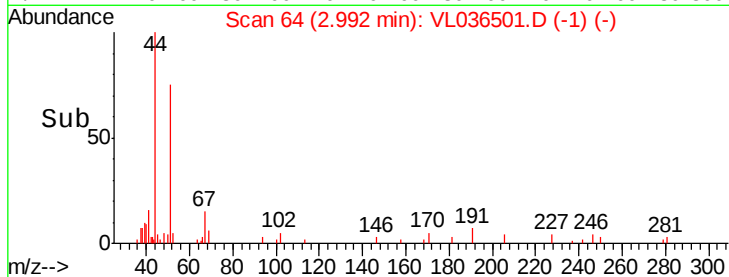
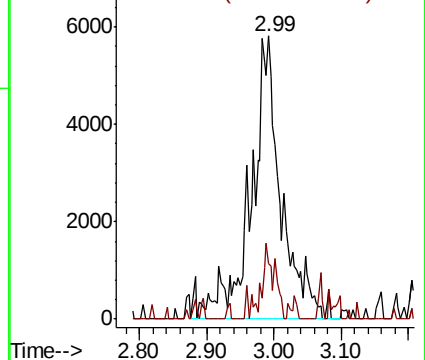
51 100

67 13.1 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.034 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL036501.D

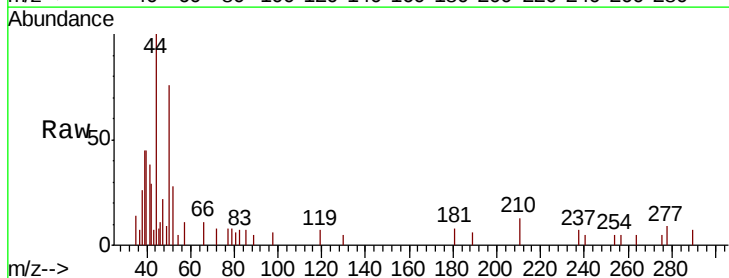
Acq: 26 Mar 2021 00:57

Tgt Ion: 50 Resp: 3170

Ion Ratio Lower Upper

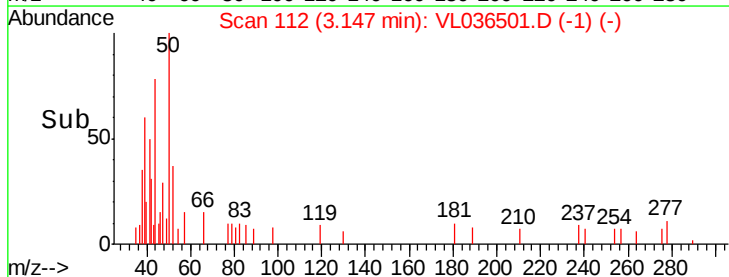
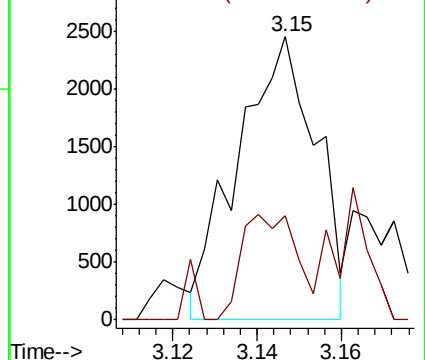
50 100

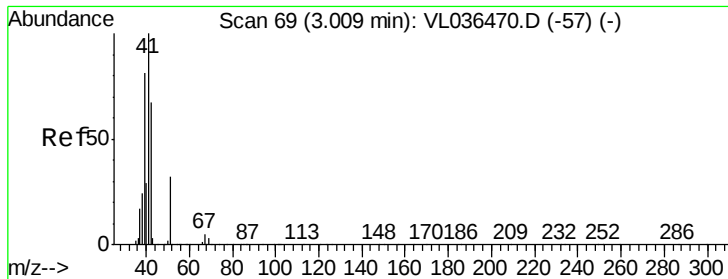
52 24.8 27.0 40.6#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.634 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

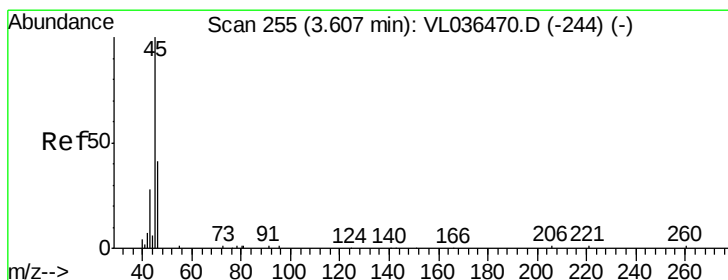
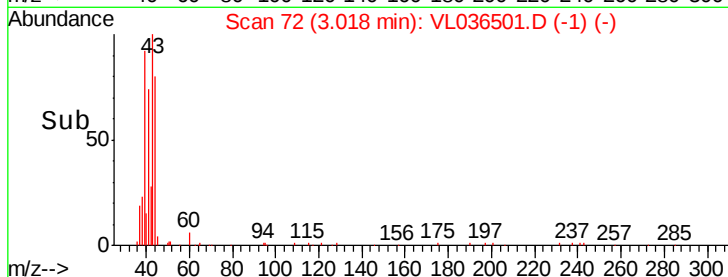
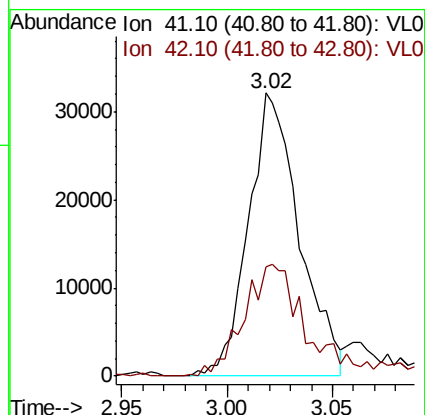
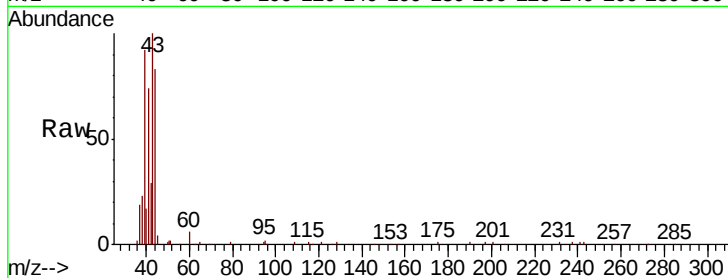
Acq: 26 Mar 2021 00:57

Tot Ion: 41 Resp: 53797

Ion Ratio Lower Upper

41 100

42 47.5 57.0 85.4#



#13

Ethanol

Concen: 8.180 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL036501.D

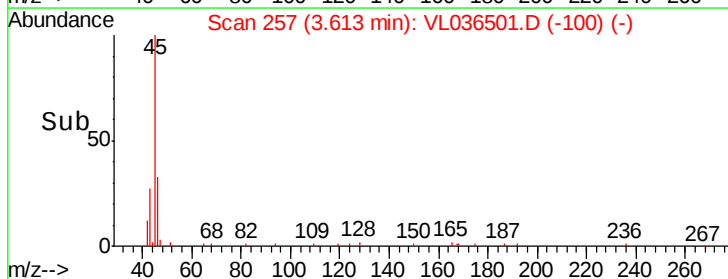
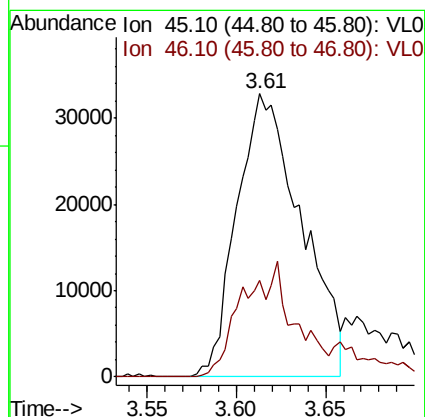
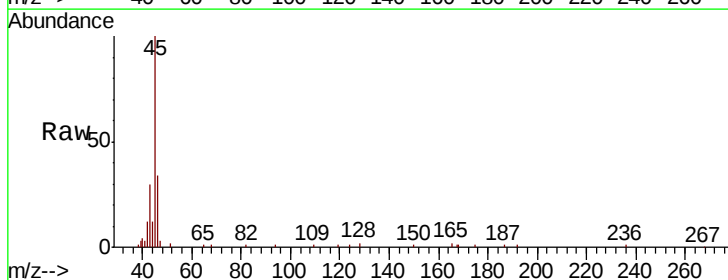
Acq: 26 Mar 2021 00:57

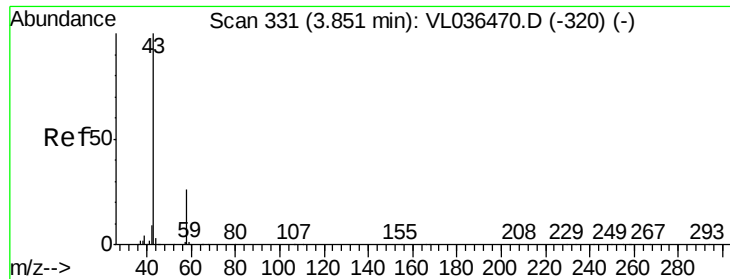
Tgt Ion: 45 Resp: 82710

Ion Ratio Lower Upper

45 100

46 42.5 16.6 66.2





#15

Acetone

Concen: 3.507 ppbv

RT: 3.86 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

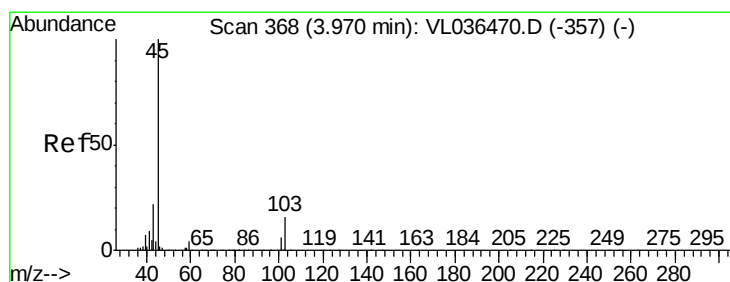
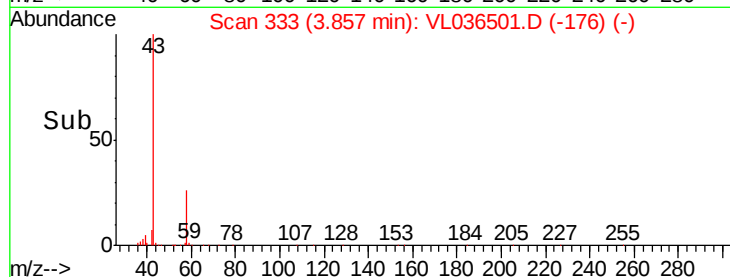
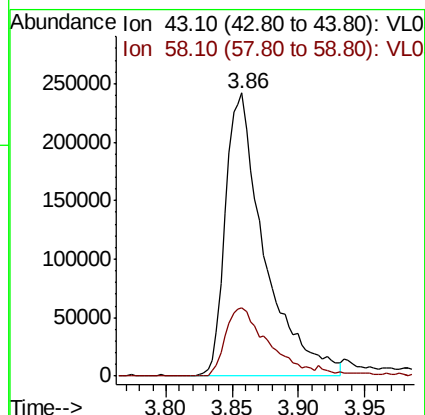
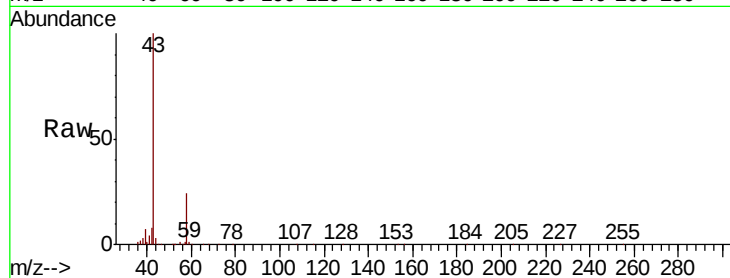
Acq: 26 Mar 2021 00:57

Tot Ion: 43 Resp: 492002

Ion Ratio Lower Upper

43 100

58 29.5 21.2 31.8



#19

Isopropyl Alcohol

Concen: 0.162 ppbv

RT: 3.99 min Scan# 374

Delta R.T. 0.02 min

Lab File: VL036501.D

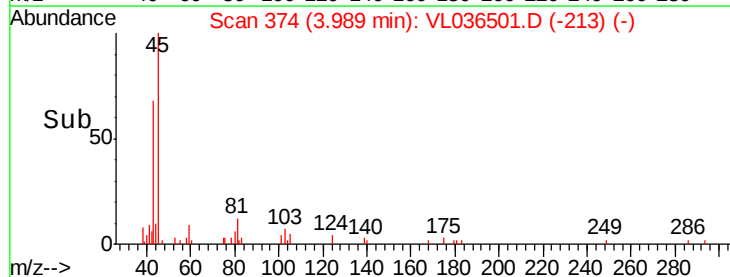
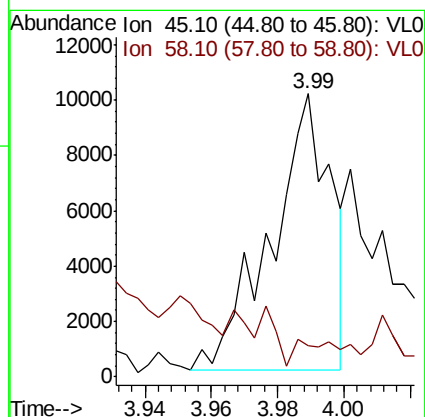
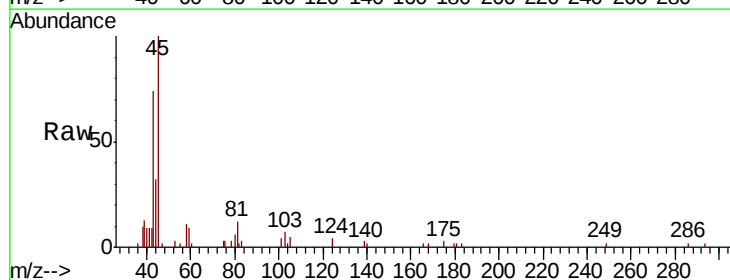
Acq: 26 Mar 2021 00:57

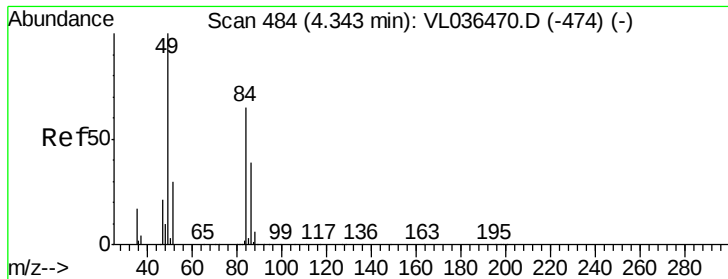
Tgt Ion: 45 Resp: 12520

Ion Ratio Lower Upper

45 100

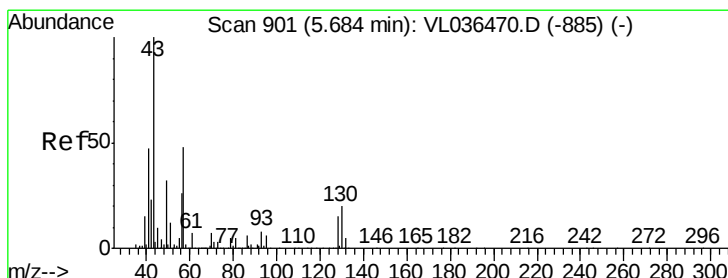
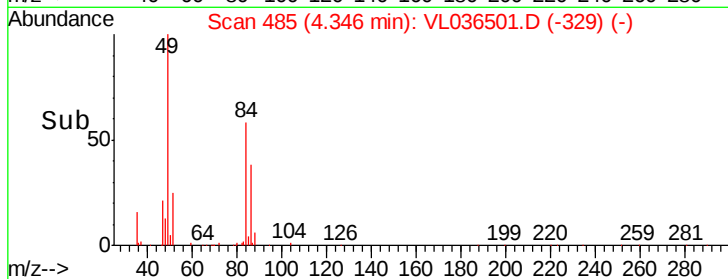
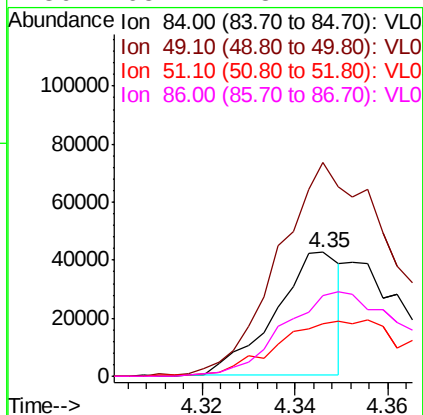
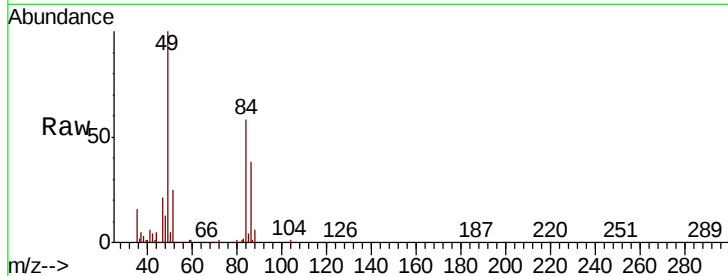
58 0.0 2.9 4.3#





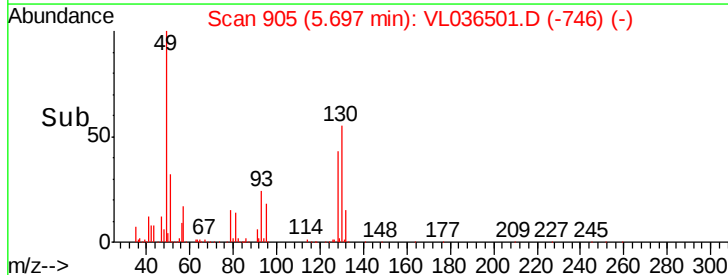
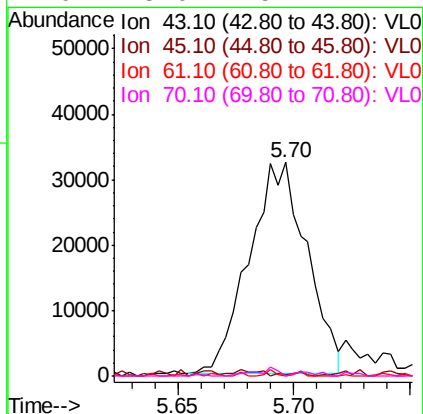
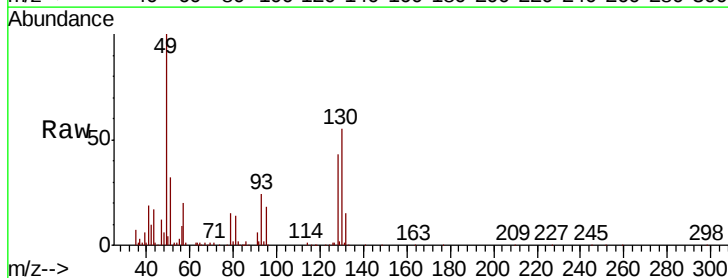
#20
Methvlene Chloride
Concen: 0.622 ppbv
RT: 4.35 Instrument: MSVOA_1
Delta R.T. ClientSampleId:
Lab File:
Acq: 26 Mar 2021 00:57

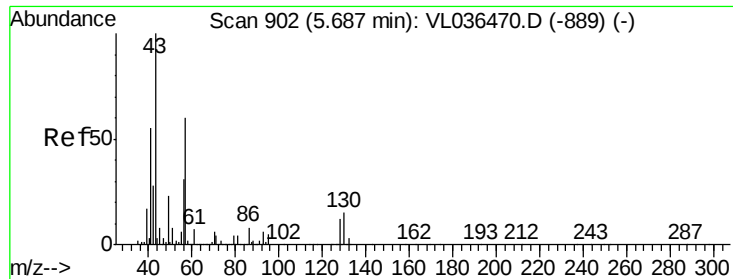
Tot Ion:	84	Resp:	40838
Ion	Ratio	Lower	Upper
84	100		
49	173.3	122.9	184.3
51	42.1	36.9	55.3
86	65.1	48.2	72.4



#25
Ethyl Acetate
Concen: 0.167 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL036501.D
Acq: 26 Mar 2021 00:57

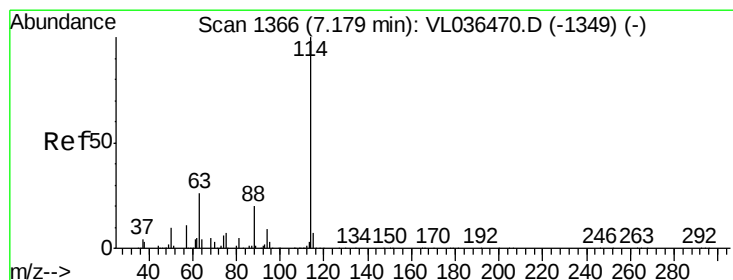
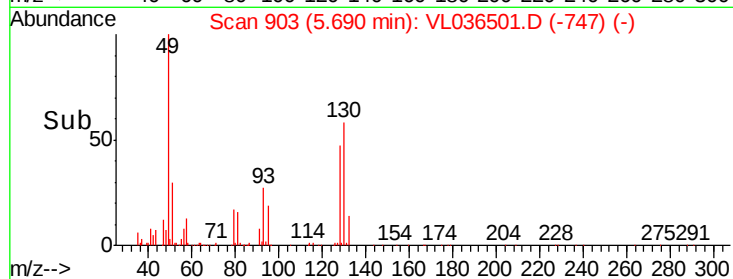
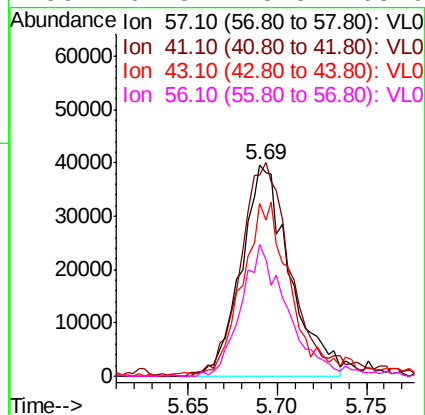
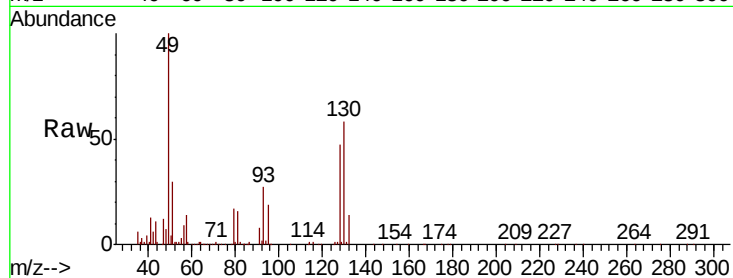
Tgt Ion:	43	Resp:	55716
Ion	Ratio	Lower	Upper
43	100		
45	2.7	7.9	11.9#
61	0.9	7.4	11.2#
70	3.0	5.1	7.7#





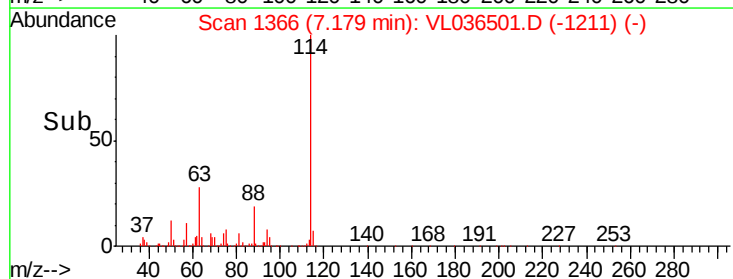
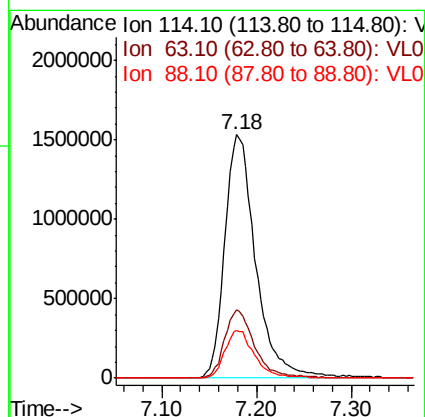
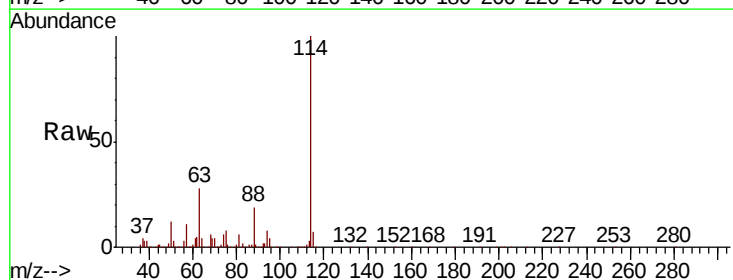
#26
Hexane
Concen: 0.487 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 26 Mar 2021 00:57

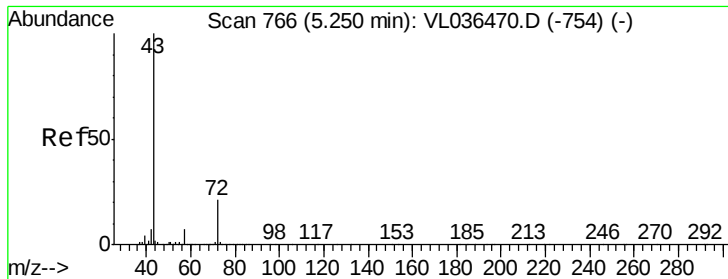
Tot Ion:	57	Resp:	75431
Ion	Ratio	Lower	Upper
57	100		
41	107.3	77.2	115.8
43	90.1	173.8	260.6#
56	61.3	43.8	65.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T.: -0.00 min
Lab File: VL036501.D
Acq: 26 Mar 2021 00:57

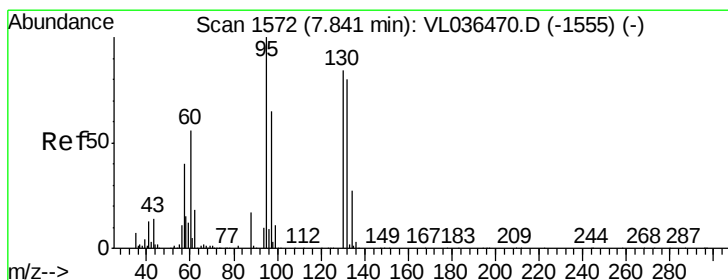
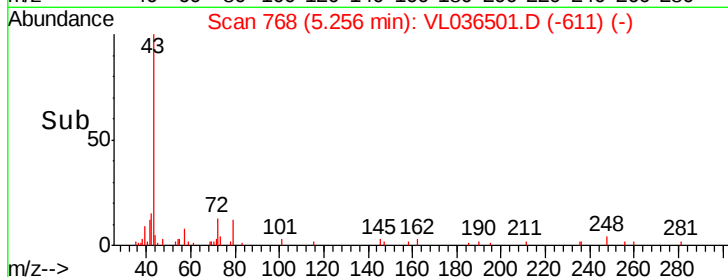
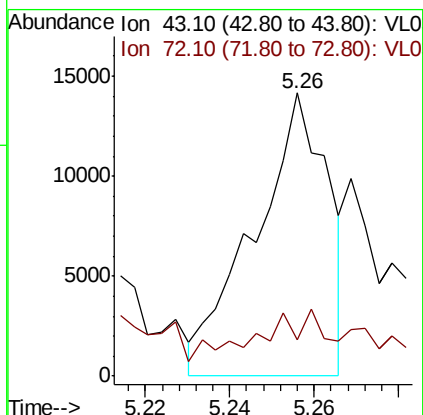
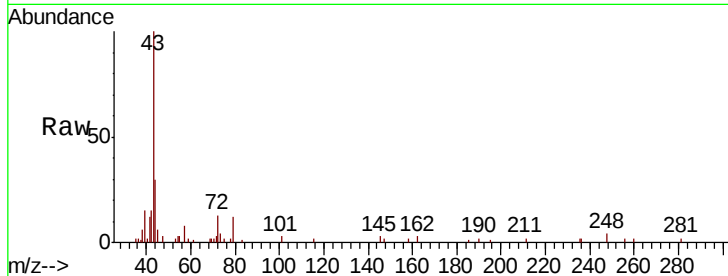
Tgt Ion:	114	Resp:	3481830
Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.4	33.6
88	19.1	15.4	23.0





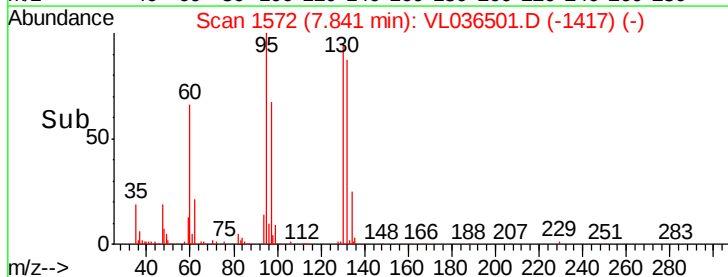
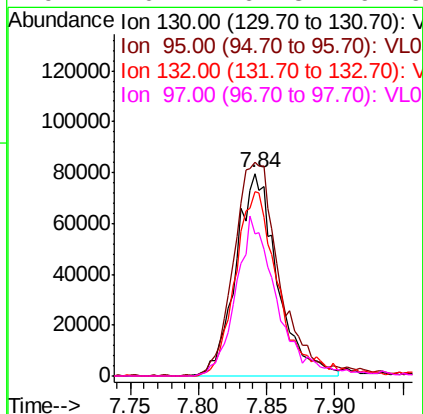
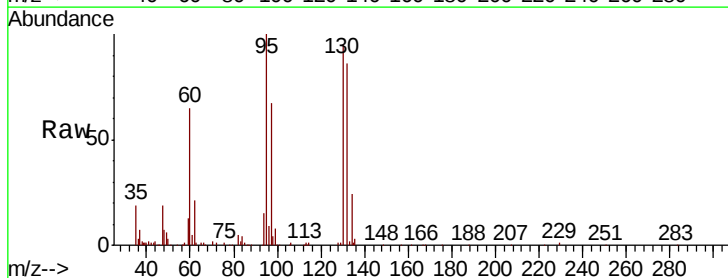
#34
 2-Butanone
 Concen: 0.100 ppbv
 RT: 5.26 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 26 Mar 2021 00:57

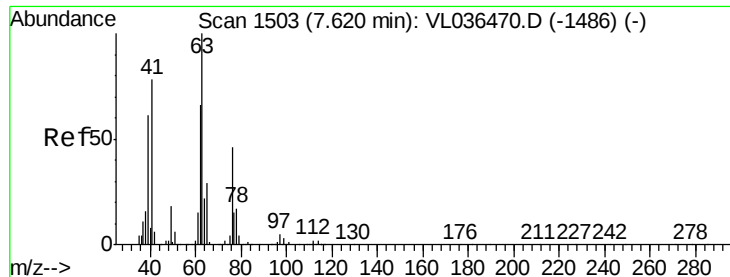
Tot Ion: 43 Resp: 17067
 Ion Ratio Lower Upper
 43 100
 72 42.8 17.0 25.6#



#38
 Trichloroethene
 Concen: 1.342 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL036501.D
 Acq: 26 Mar 2021 00:57

Tgt Ion:130 Resp: 167656
 Ion Ratio Lower Upper
 130 100
 95 104.7 95.7 143.5
 132 90.7 76.2 114.4
 97 70.2 61.8 92.6





#39

1,2-Dichloropropane

Concen: 7.149 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 26 Mar 2021 00:57

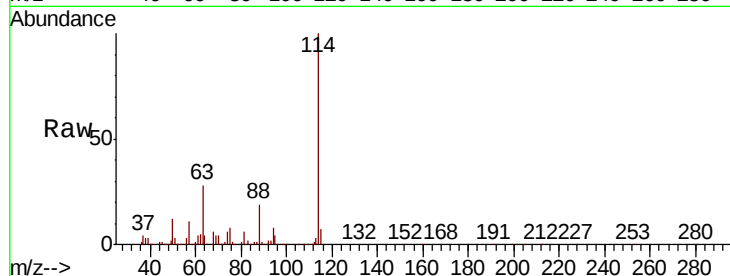
Tot Ion: 63 Resp: 931282

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

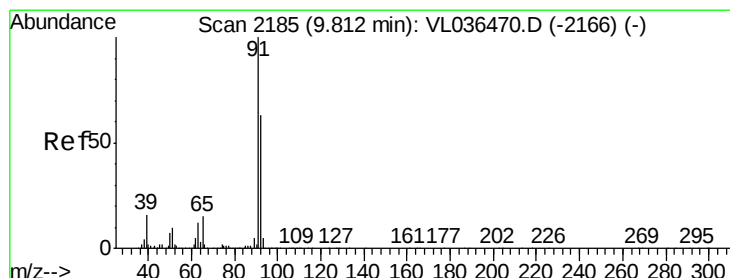
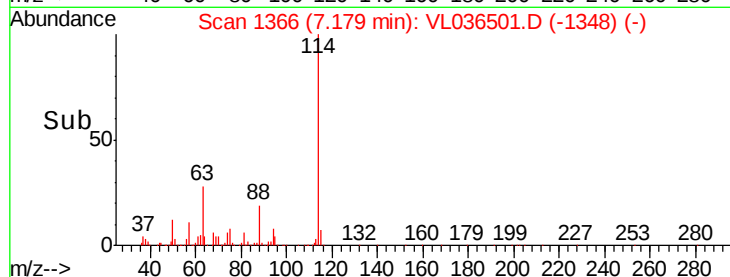
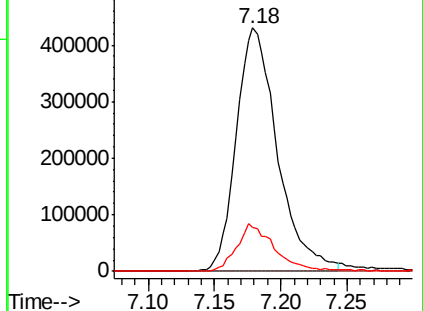
62 18.1 52.8 79.2#



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



#53

Toluene

Concen: 0.026 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.01 min

Lab File: VL036501.D

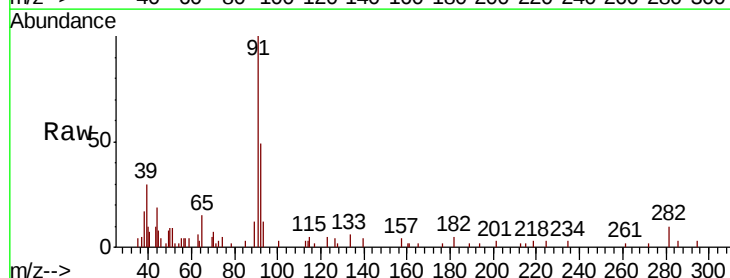
Acq: 26 Mar 2021 00:57

Tgt Ion: 91 Resp: 8995

Ion Ratio Lower Upper

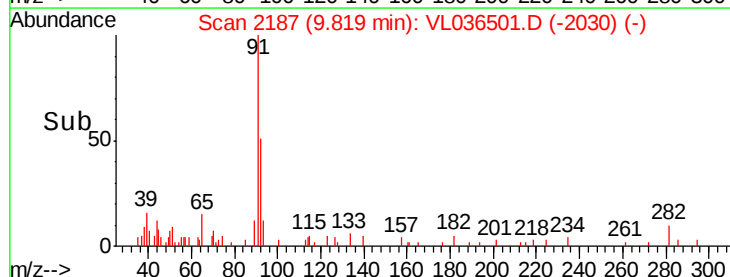
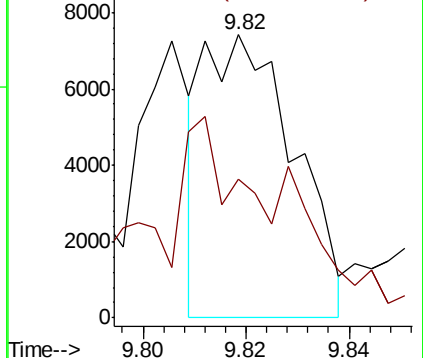
91 100

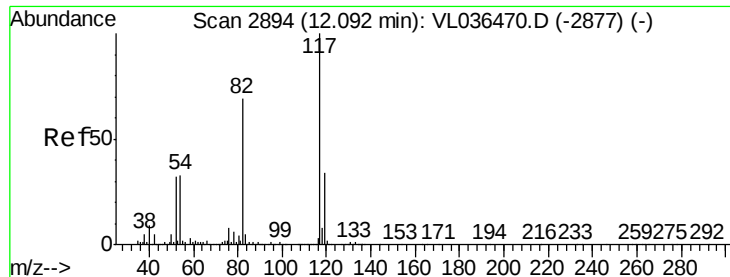
92 110.6 48.8 73.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

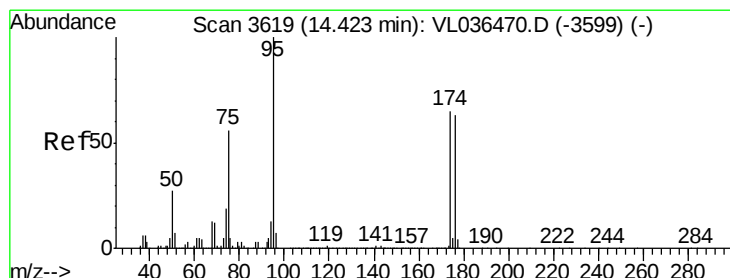
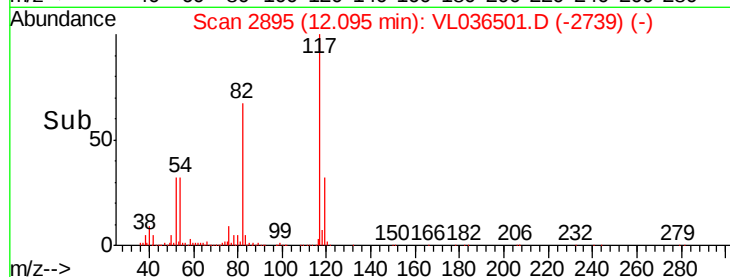
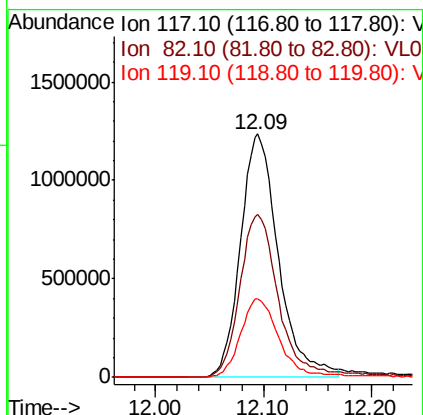
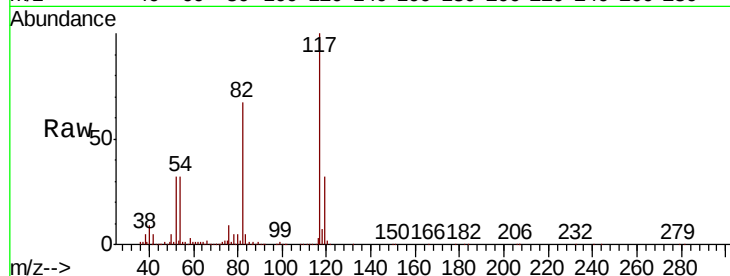
Ion 92.10 (91.80 to 92.80): VL0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 26 Mar 2021 00:57

Tot Ion: 117 Resp: 3022029
Ion Ratio Lower Upper
117 100
82 70.7 57.4 86.0
119 34.1 47.4 71.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.541 ppbv
RT: 14.43 min Scan# 3620
Delta R.T.: 0.00 min
Lab File: VL036501.D
Acq: 26 Mar 2021 00:57

Tgt Ion: 95 Resp: 2298040
Ion Ratio Lower Upper
95 100
174 68.3 51.0 76.6
175 5.0 3.9 5.9

