

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041922\
 Data File : VL038952.D
 Acq On : 19 Apr 2022 16:31
 Operator : SY/AP
 Sample : N2465-01DL 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Quant Time: Apr 20 04:25:31 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1081833	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	2938913	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2572253	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1996880	10.23	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

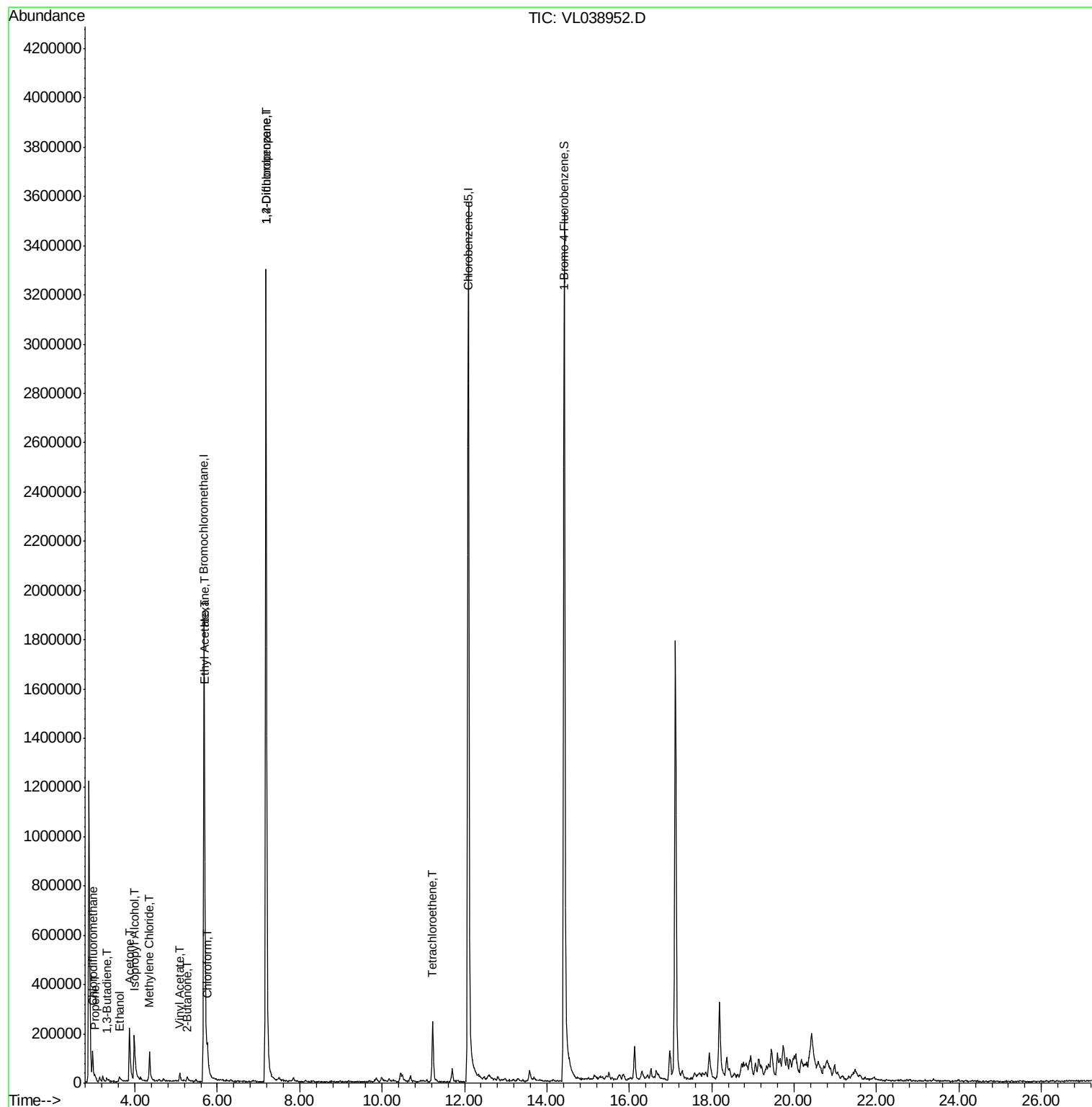
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	96288	0.729	ppbv #	62
9) Propene	3.02	41	4646	0.067	ppbv #	17
13) Ethanol	3.62	45	9105	2.145	ppbv #	100
15) Acetone	3.87	43	284782	2.644	ppbv	99
16) 1,3-Butadiene	3.32	39	2726	0.044	ppbv #	20
19) Isopropyl Alcohol	3.98	45	244578	4.443	ppbv #	100
20) Methylene Chloride	4.35	84	43973	1.126	ppbv	91
23) Vinyl Acetate	5.09	43	39256	0.374	ppbv #	90
25) Ethyl Acetate	5.70	43	57295	0.210	ppbv #	78
26) Hexane	5.69	57	77136	0.620	ppbv #	36
29) Chloroform	5.76	83	51567	0.296	ppbv	94
34) 2-Butanone	5.25	43	3929	0.034	ppbv #	55
39) 1,2-Dichloropropane	7.18	63	709417	6.937	ppbv #	26
52) Tetrachloroethene	11.23	164	60267	0.645	ppbv	93

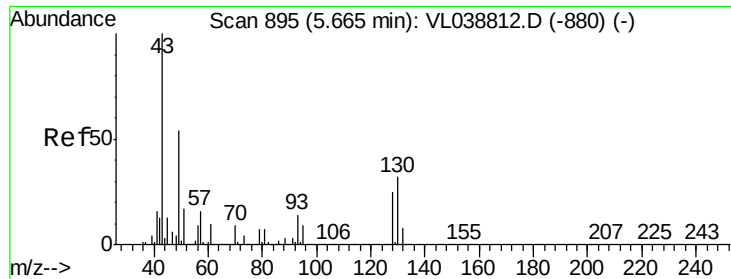
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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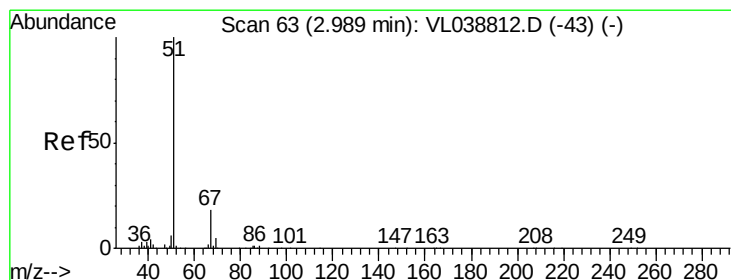
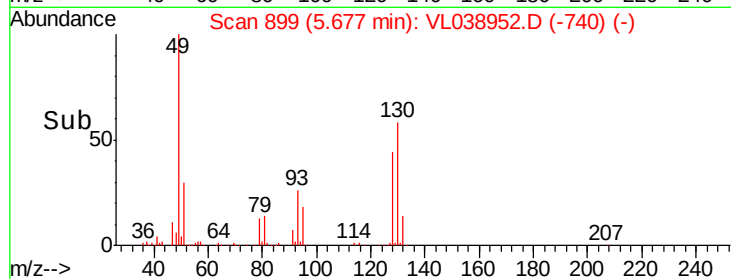
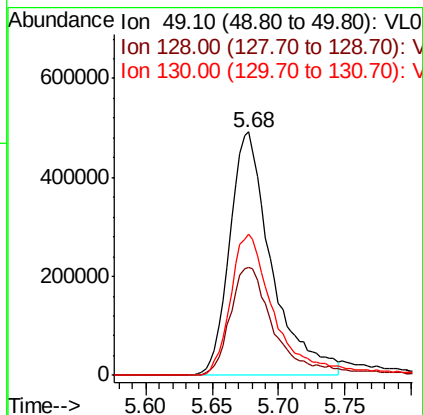
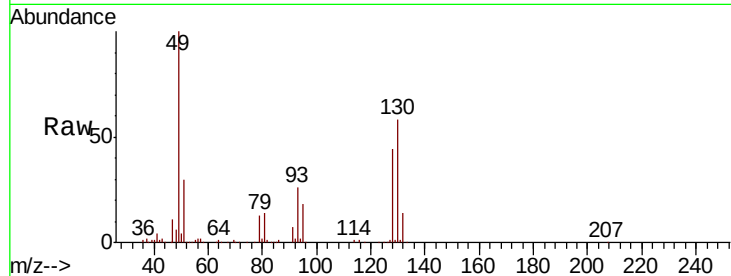
Quant Time: Apr 20 04:25:31 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
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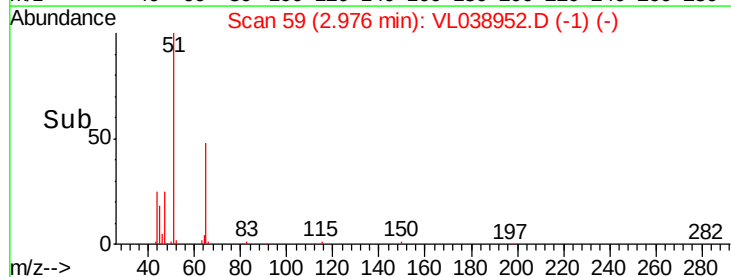
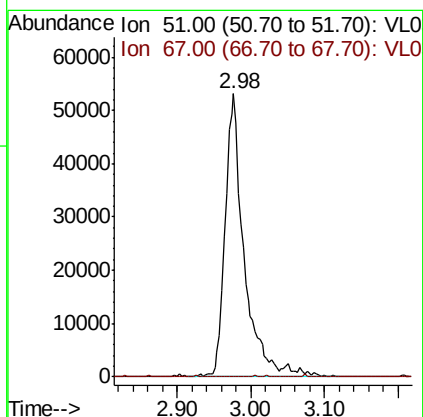
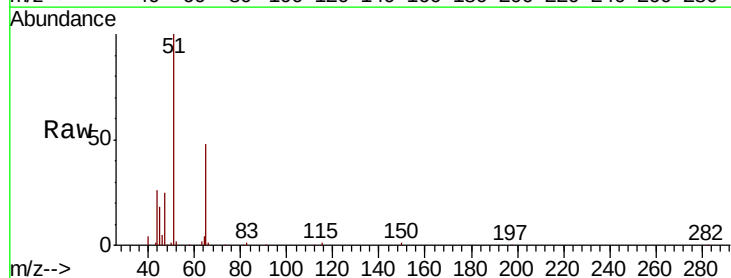
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 SV-1DL
 Acq: 19 Apr 2022 16:31

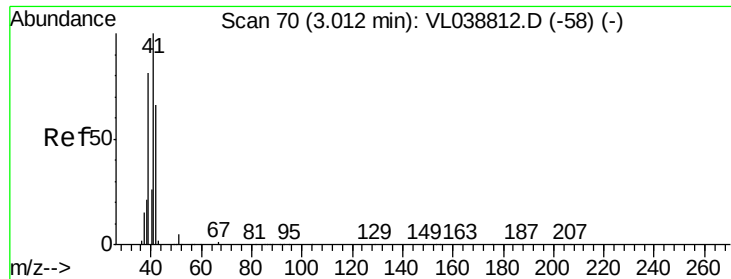
Tot Ion: 49 Resp: 1081833
 Ion Ratio Lower Upper
 49 100
 128 49.1 24.1 72.3
 130 63.4 30.9 92.8



#3
 Chlorodifluoromethane
 Concen: 0.729 ppbv
 RT: 2.98 min Scan# 59
 Delta R.T.: -0.01 min
 Lab File: VL038952.D
 Acq: 19 Apr 2022 16:31

Tgt Ion: 51 Resp: 96288
 Ion Ratio Lower Upper
 51 100
 67 0.2 13.4 20.0#





#9

Propene

Concen: 0.067 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

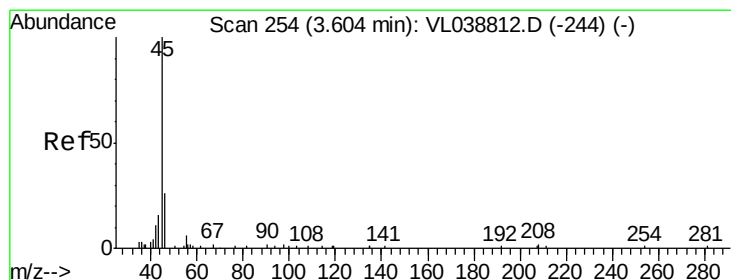
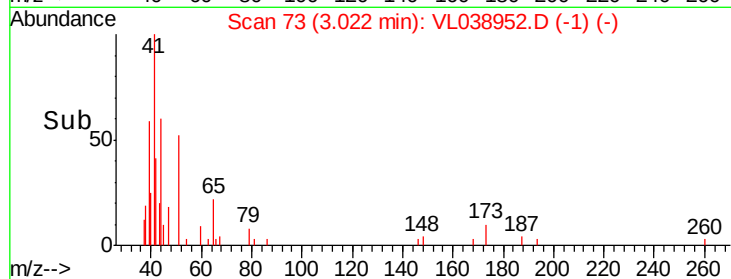
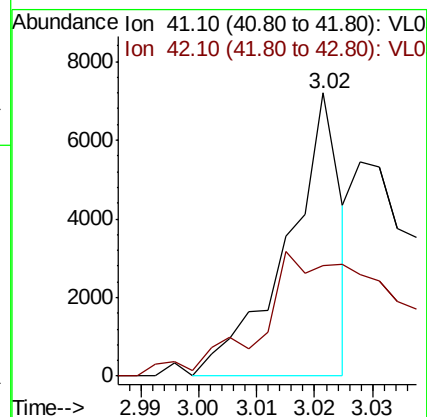
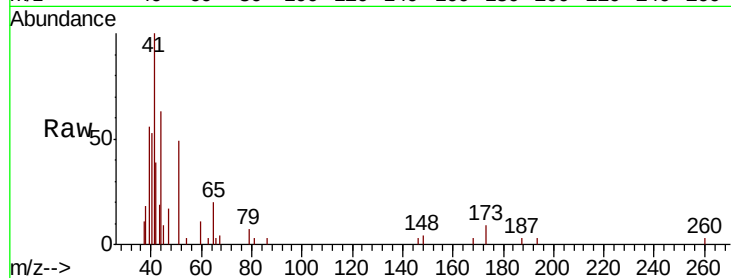
Acq: 19 Apr 2022 16:31 SV-1DL

Tot Ion: 41 Resp: 4646

Ion Ratio Lower Upper

41 100

42 135.0 54.2 81.4#



#13

Ethanol

Concen: 2.145 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL038952.D

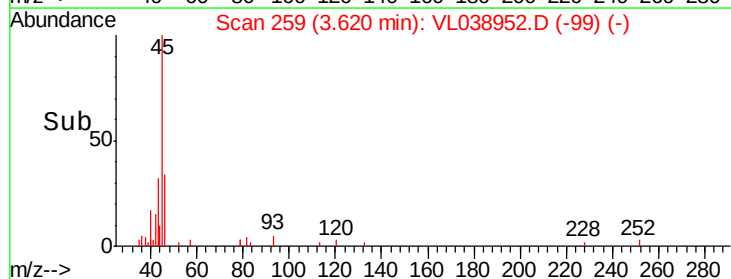
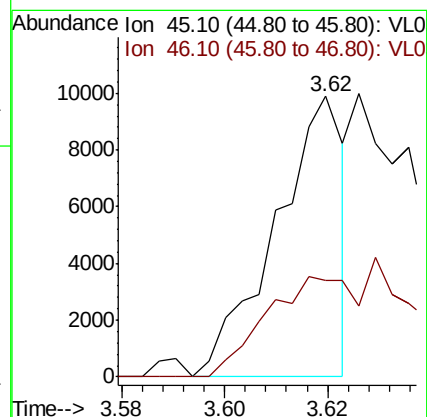
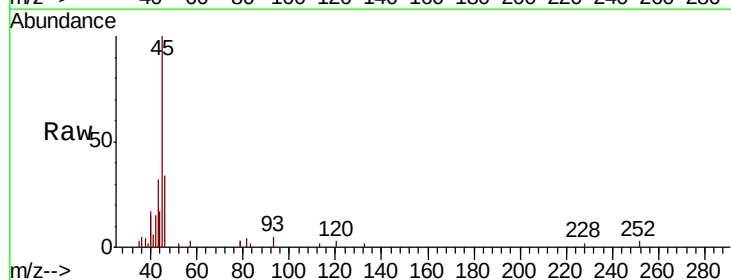
Acq: 19 Apr 2022 16:31

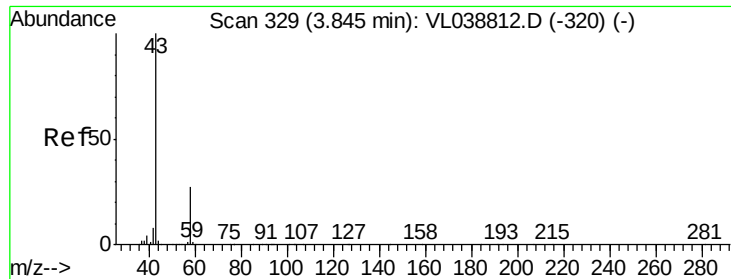
Tgt Ion: 45 Resp: 9105

Ion Ratio Lower Upper

45 100

46 121.3 0.0 0.0#





#15

Acetone

Concen: 2.644 ppbv

RT: 3.87

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

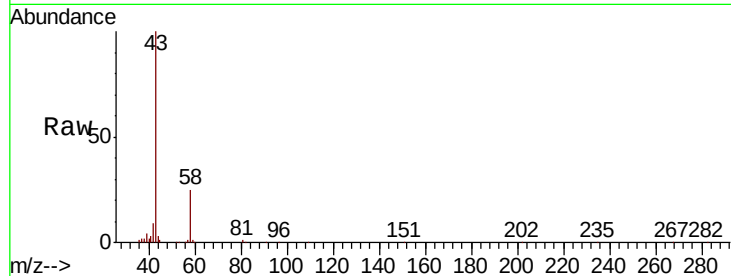
Acq: 19 Apr 2022 16:31

Tot Ion: 43 Resp: 284782

Ion Ratio Lower Upper

43 100

58 28.7 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.87

150000

100000

50000

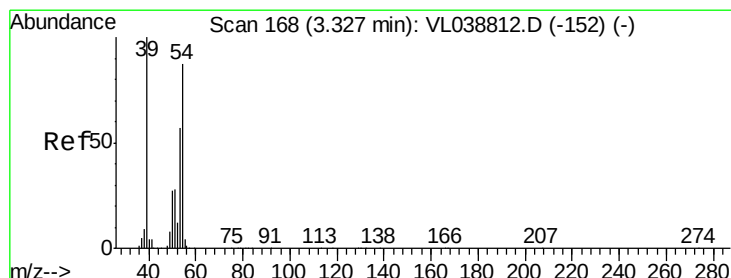
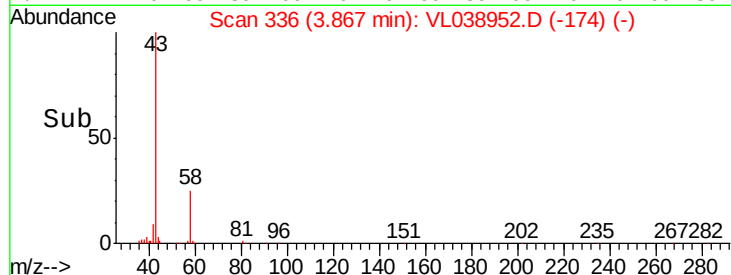
0

Time-->

3.80

3.85

3.90



#16

1,3-Butadiene

Concen: 0.044 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.01 min

Lab File: VL038952.D

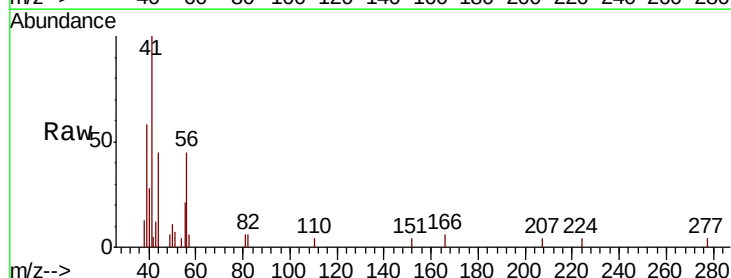
Acq: 19 Apr 2022 16:31

Tgt Ion: 39 Resp: 2726

Ion Ratio Lower Upper

39 100

54 9.8 64.8 97.2#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

3000

2000

1000

0

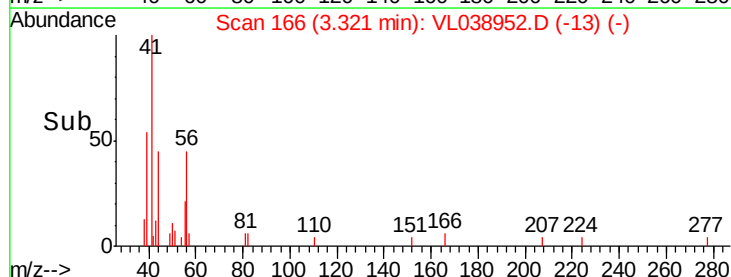
Time-->

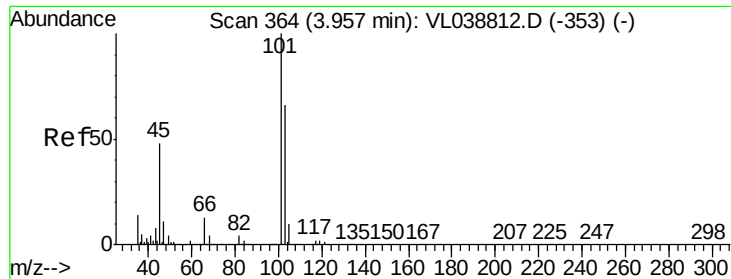
3.31

3.32

3.33

3.34





#19

Isopropyl Alcohol

Concen: 4.443 ppbv

RT: 3.98 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: SV-1DL

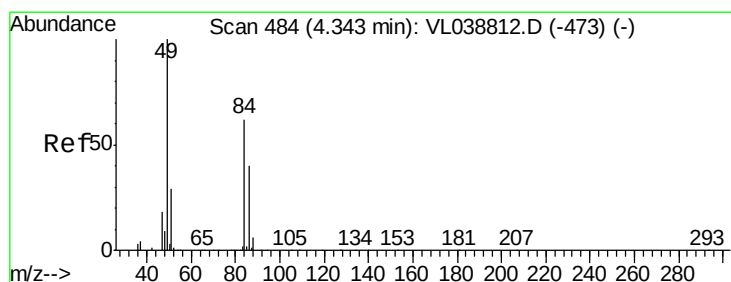
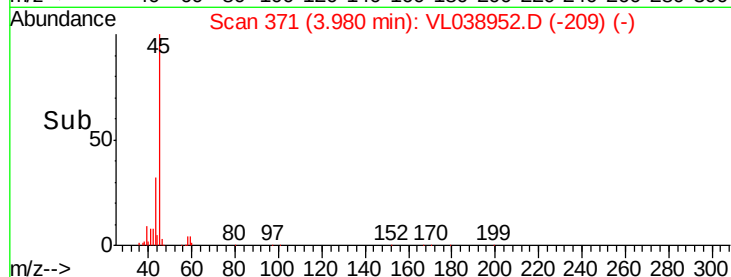
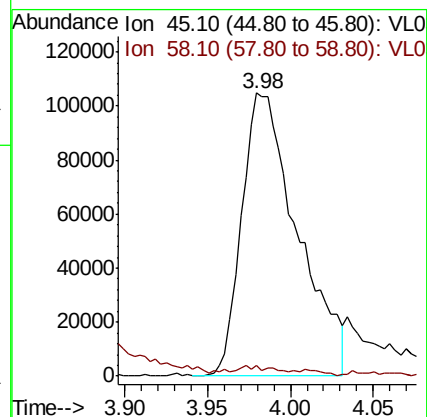
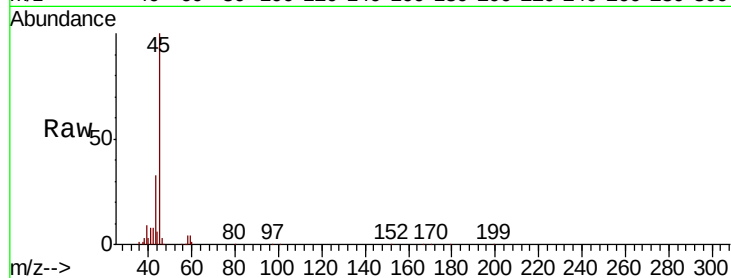
Acq: 19 Apr 2022 16:31

Tot Ion: 45 Resp: 244578

Ion Ratio Lower Upper

45 100

58 3.8 0.0 0.0#



#20

Methylene Chloride

Concen: 1.126 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL038952.D

Acq: 19 Apr 2022 16:31

Tgt Ion: 84 Resp: 43973

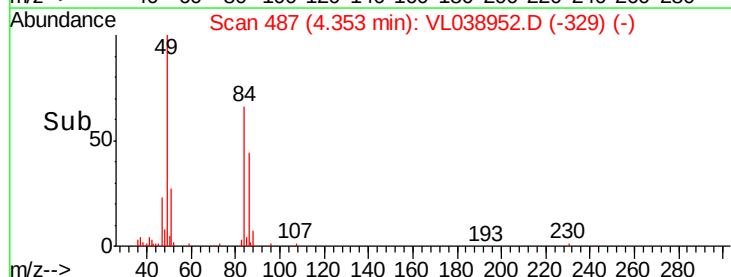
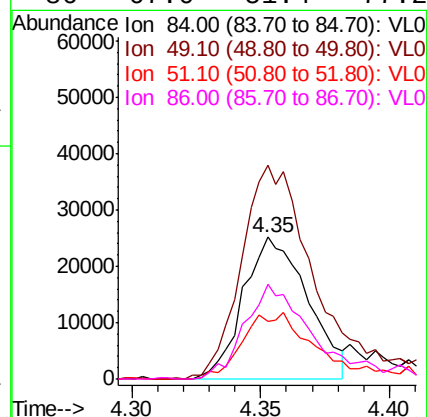
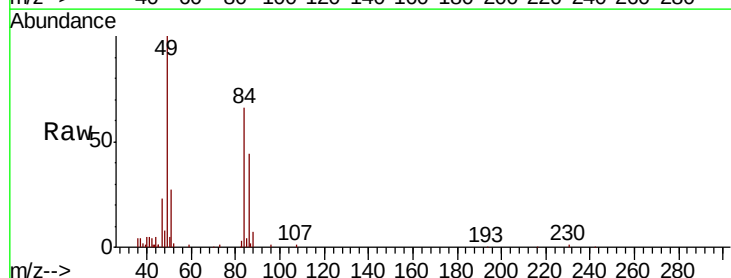
Ion Ratio Lower Upper

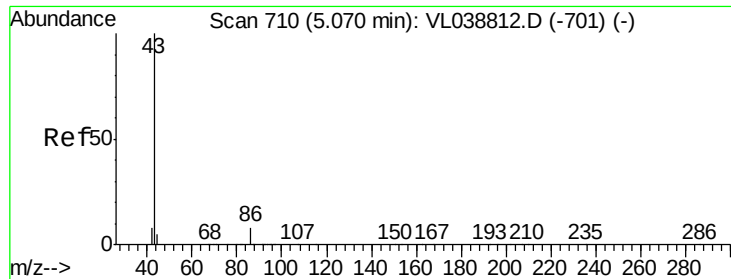
84 100

49 147.9 129.4 194.0

51 40.6 37.4 56.2

86 67.0 51.4 77.2





#23

Vinyl Acetate

Concen: 0.374 ppbv

RT: 5.09 Instrument: MSVOA_1

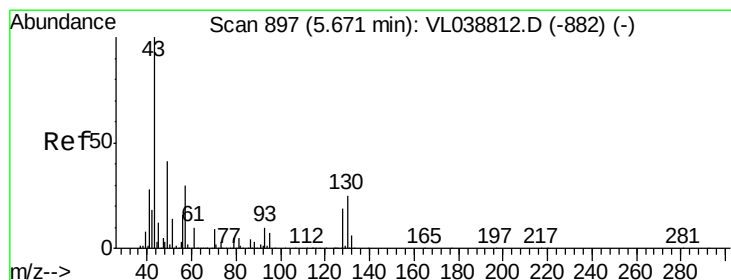
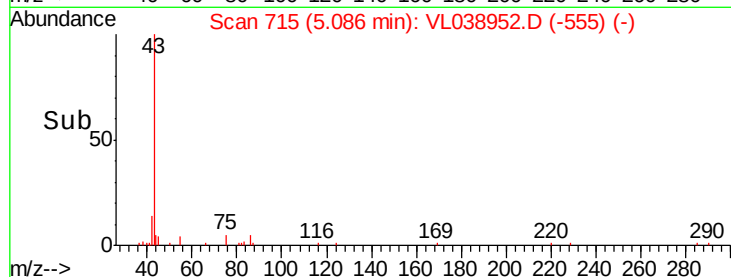
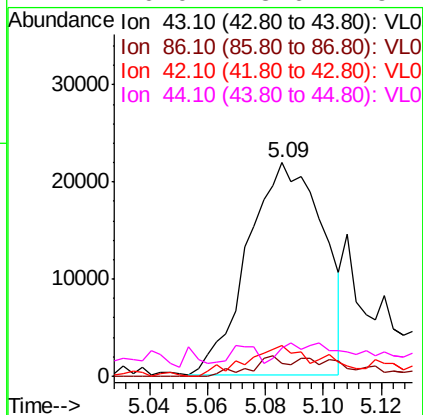
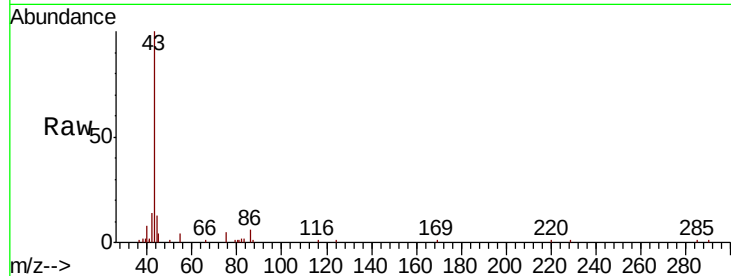
Delta R.T.

Lab File: ClientSampleId:

Acq: 19 Apr 2022 16:31

Tot Ion: 43 Resp: 39256

Ion	Ratio	Lower	Upper
43	100		
86	5.8	5.8	8.6
42	14.3	7.8	11.6#
44	0.0	3.6	5.4#



#25

Ethyl Acetate

Concen: 0.210 ppbv

RT: 5.70 min Scan# 905

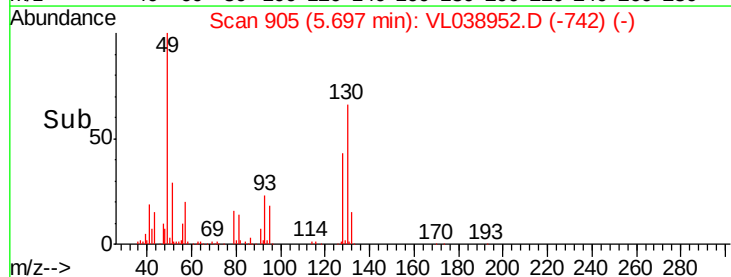
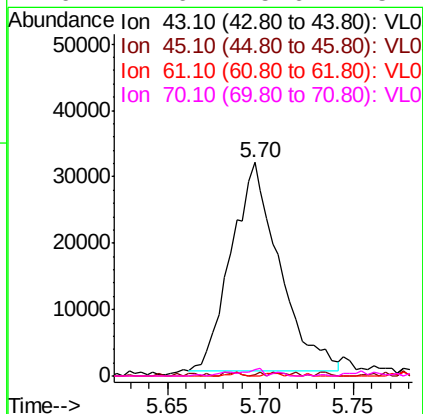
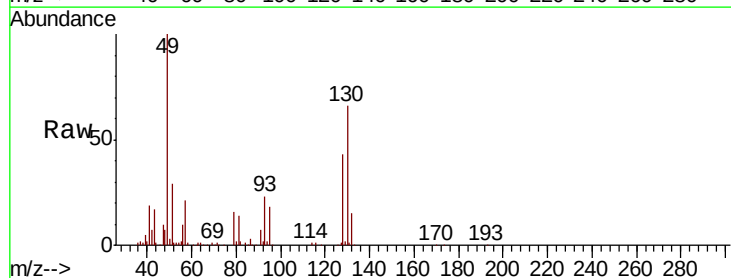
Delta R.T. 0.03 min

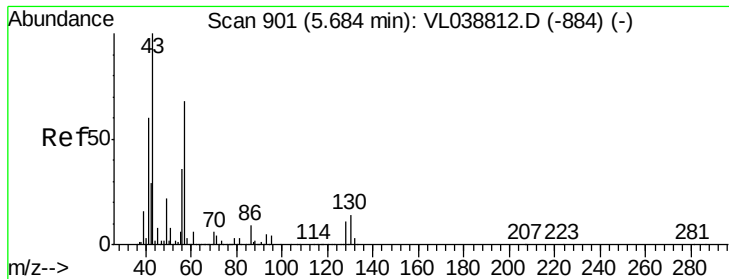
Lab File: VL038952.D

Acq: 19 Apr 2022 16:31

Tgt Ion: 43 Resp: 57295

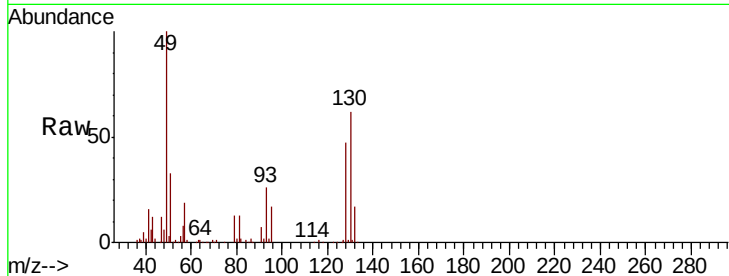
Ion	Ratio	Lower	Upper
43	100		
45	0.9	8.4	12.6#
61	0.9	7.9	11.9#
70	2.6	5.6	8.4#



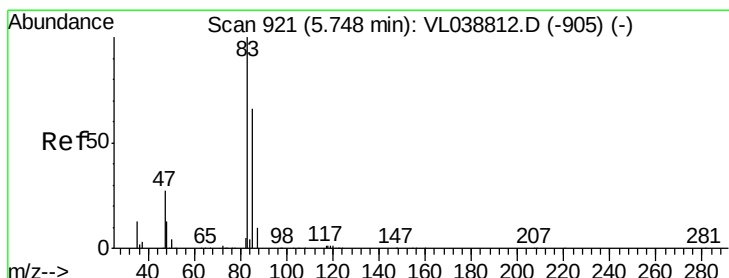
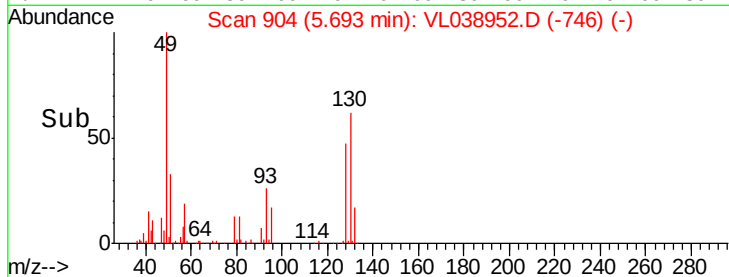
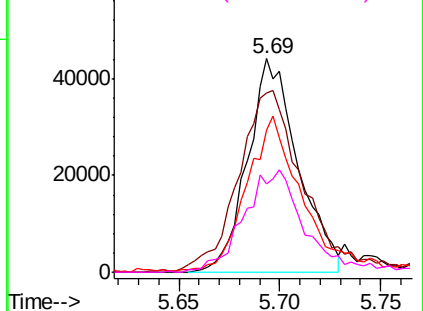


#26
Hexane
Concen: 0.620 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Apr 2022 16:31

Tot Ion:	57	Resp:	77136
Ion	Ratio	Lower	Upper
57	100		
41	114.3	72.0	108.0#
43	81.6	186.6	280.0#
56	59.1	42.8	64.2

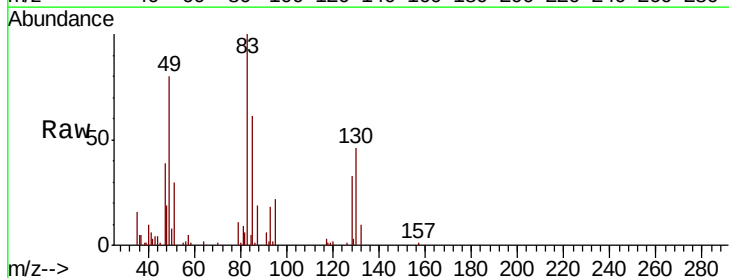


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

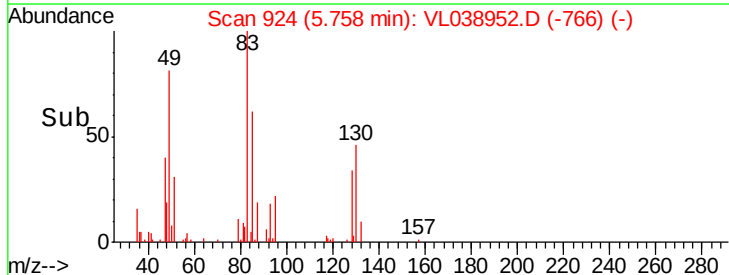
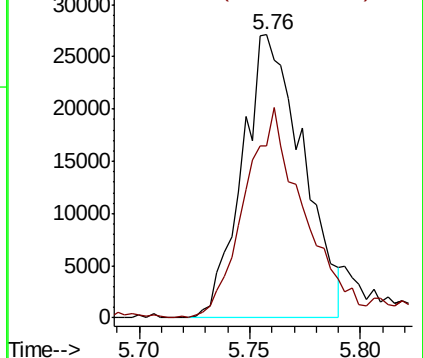


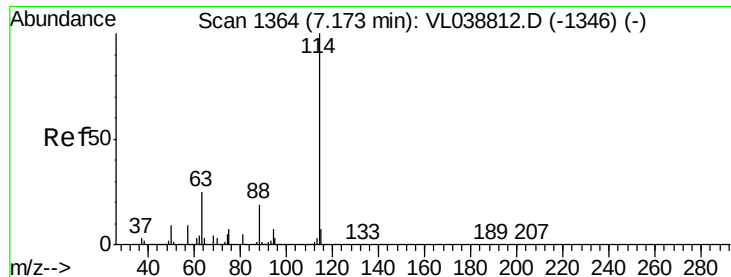
#29
Chloroform
Concen: 0.296 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.01 min
Lab File: VL038952.D
Acq: 19 Apr 2022 16:31

Tgt Ion:	83	Resp:	51567
Ion	Ratio	Lower	Upper
83	100		
85	60.7	52.5	78.7



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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 Instrument: MSVOA_1

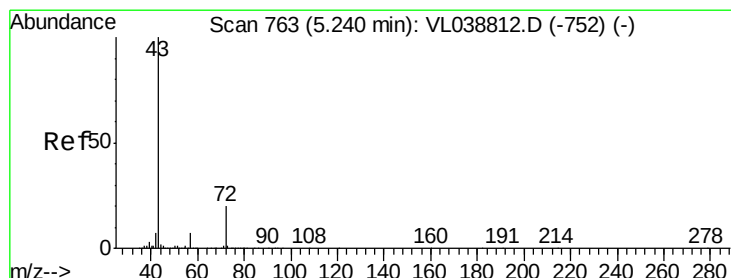
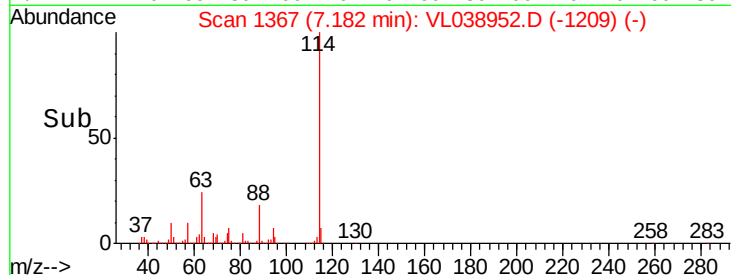
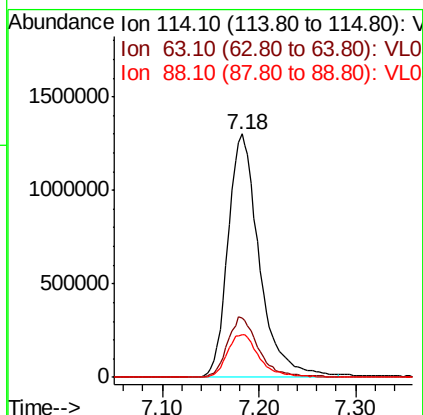
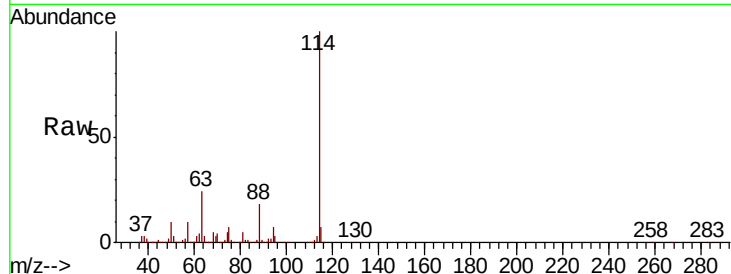
Delta R.T. ClientSampleId:

Lab File: SV-1DL

Acq: 19 Apr 2022 16:31

Tot Ion:114 Resp: 2938913

Ion	Ratio	Lower	Upper
114	100		
63	24.9	19.8	29.8
88	18.4	14.2	21.4



#34

2-Butanone

Concen: 0.034 ppbv

RT: 5.25 min Scan# 767

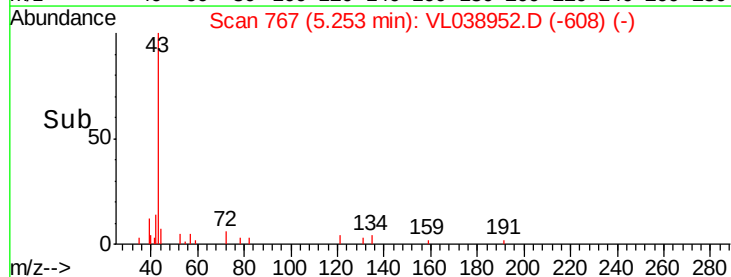
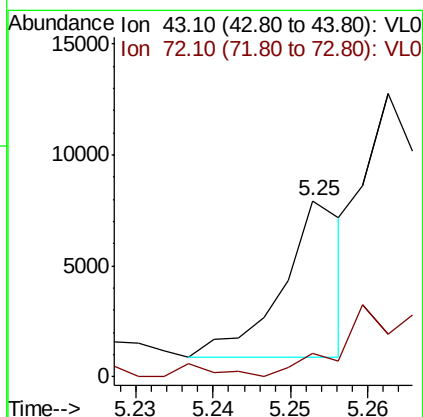
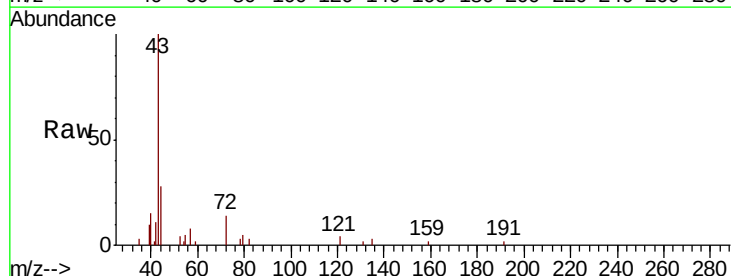
Delta R.T. 0.01 min

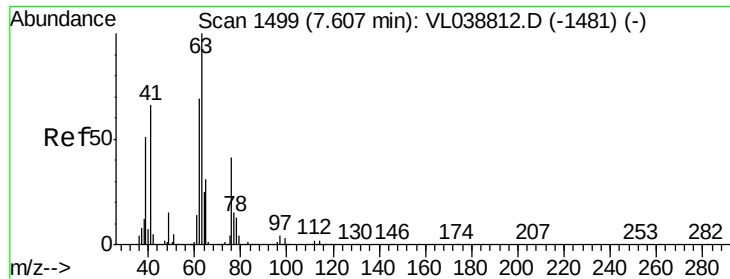
Lab File: VL038952.D

Acq: 19 Apr 2022 16:31

Tgt Ion: 43 Resp: 3929

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.9	25.3#





#39

1,2-Dichloropropane

Concen: 6.937 ppbv

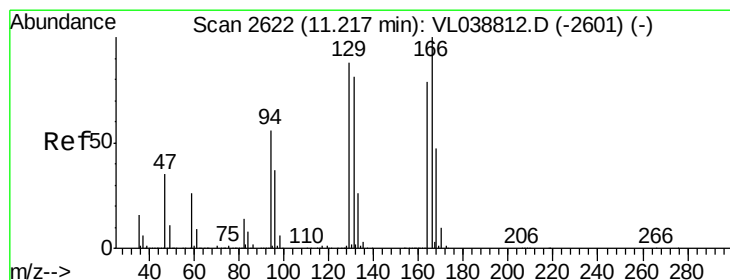
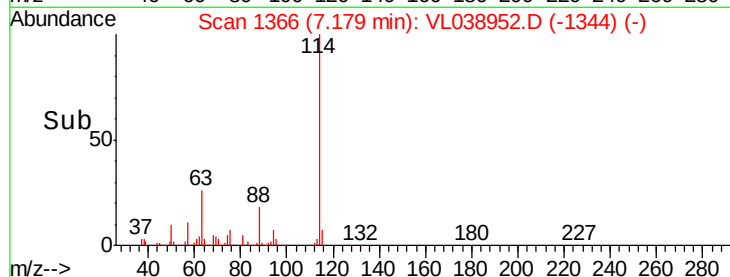
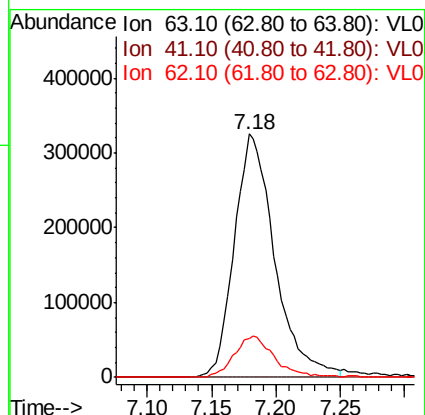
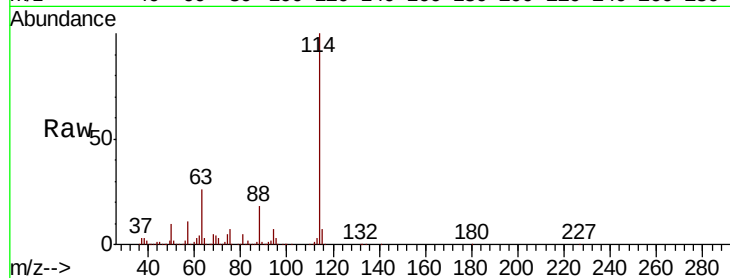
RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Apr 2022 16:31 SV-1DL

Tot Ion:	63	Resp:	709417
Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	16.2	55.0	82.4#



#52

Tetrachloroethene

Concen: 0.645 ppbv

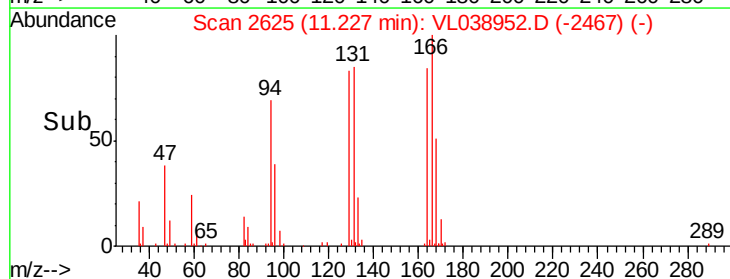
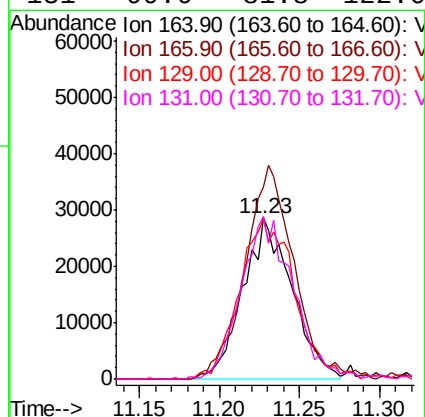
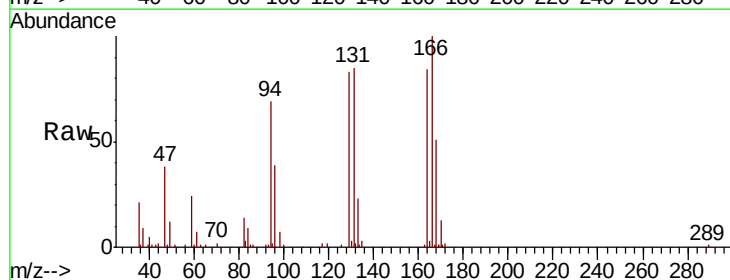
RT: 11.23 min Scan# 2625

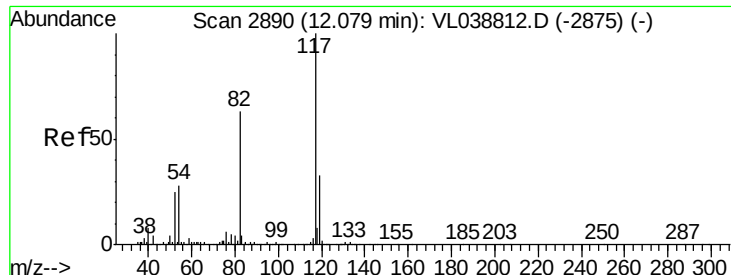
Delta R.T. 0.01 min

Lab File: VL038952.D

Acq: 19 Apr 2022 16:31

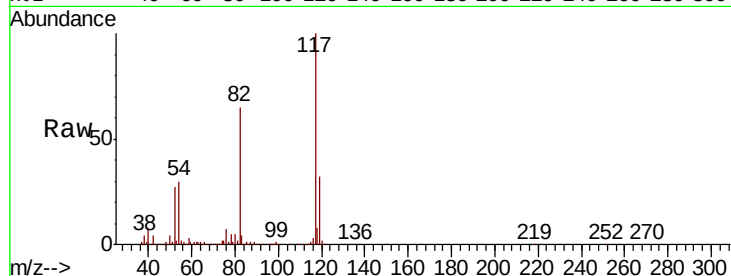
Tgt Ion:	164	Resp:	60267
Ion	Ratio	Lower	Upper
164	100		
166	119.1	101.0	151.6
129	99.1	88.7	133.1
131	99.6	81.8	122.6



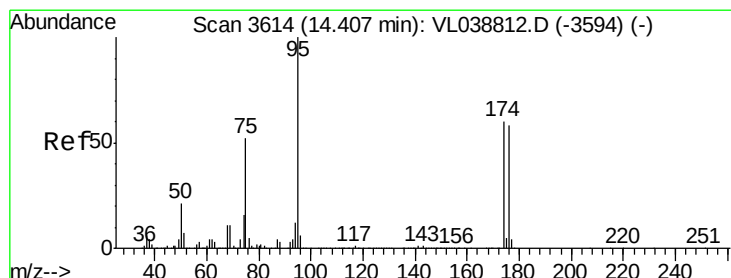
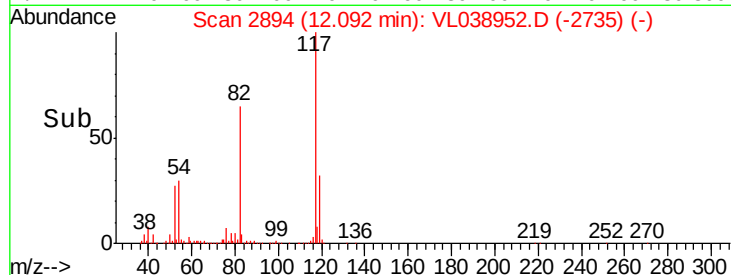
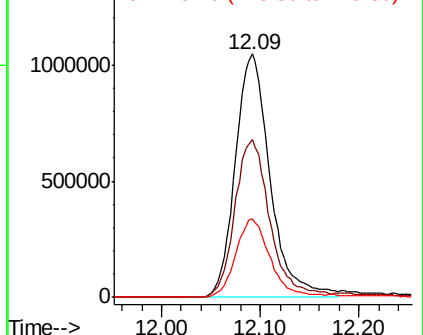


#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SV-1DL
 Acq: 19 Apr 2022 16:31

Tot Ion:117 Resp: 2572253
 Ion Ratio Lower Upper
 117 100
 82 68.1 53.0 79.6
 119 34.0 24.9 37.3

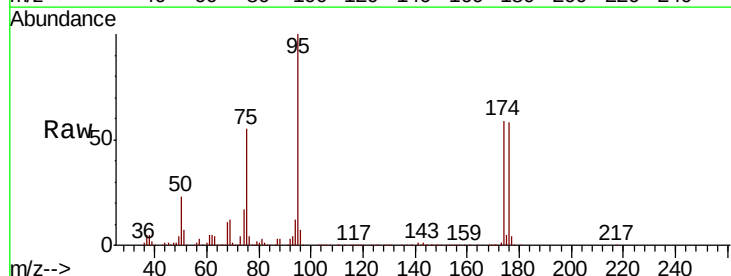


Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.234 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T.: 0.01 min
 Lab File: VL038952.D
 Acq: 19 Apr 2022 16:31

Tgt Ion: 95 Resp: 1996880
 Ion Ratio Lower Upper
 95 100
 174 63.9 52.0 78.0
 175 4.8 4.0 6.0



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

