

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060322\
 Data File : VL039165.D
 Acq On : 3 Jun 2022 23:11
 Operator : SY/AP
 Sample : N3106-01DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Jun 04 00:18:05 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1072935	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2567333	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2264234	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1930899	10.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

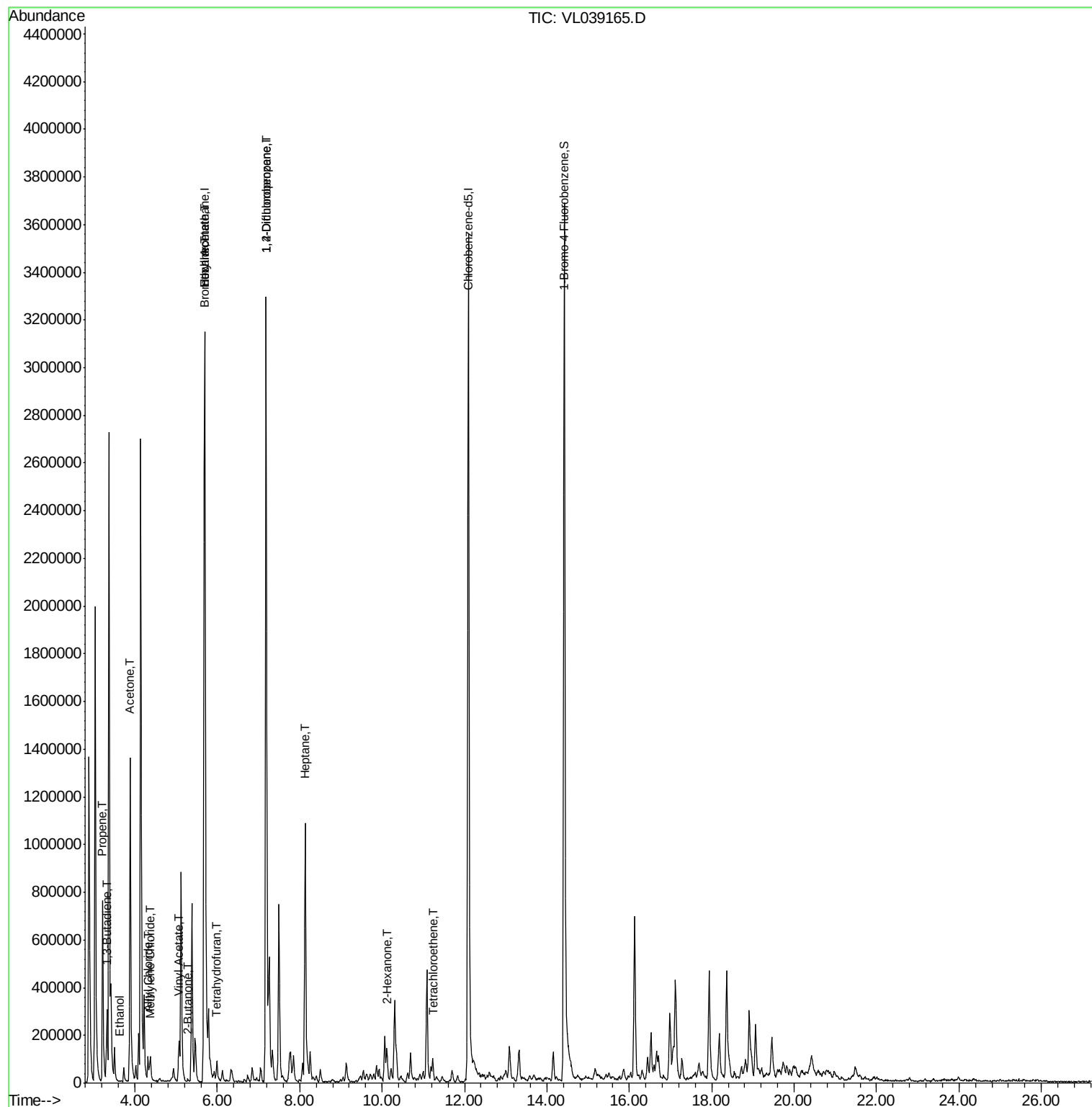
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.21	41	289965	4.871	ppbv	90
10) Heptane	8.13	43	496111	3.573	ppbv	100
13) Ethanol	3.62	45	691	0.213	ppbv #	100
15) Acetone	3.89	43	566855	5.072	ppbv #	55
16) 1,3-Butadiene	3.32	39	87613	1.458	ppbv #	14
20) Methylene Chloride	4.36	84	12731	0.270	ppbv #	75
21) Allyl Chloride	4.32	41	11787	0.156	ppbv #	2
23) Vinyl Acetate	5.06	43	28221	0.305	ppbv #	1
25) Ethyl Acetate	5.70	43	671992	2.668	ppbv #	76
26) Hexane	5.70	57	971801	8.779	ppbv #	38
34) 2-Butanone	5.28	43	9671	0.069	ppbv #	46
39) 1,2-Dichloropropane	7.19	63	724929	8.744	ppbv #	24
41) Tetrahydrofuran	6.00	42	6080	0.072	ppbv #	37
51) 2-Hexanone	10.12	43	75288	0.463	ppbv #	29
52) Tetrachloroethene	11.25	164	3823	0.047	ppbv	87

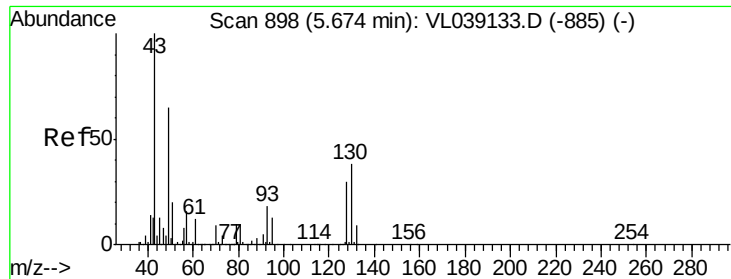
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Quant Time: Jun 04 00:18:05 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId:

Acq: 3 Jun 2022 23:11 SV1DL

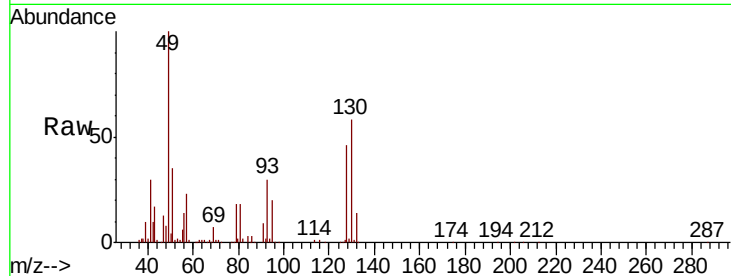
Tot Ion: 49 Resp: 1072935

Ion Ratio Lower Upper

49 100

128 48.6 24.7 74.1

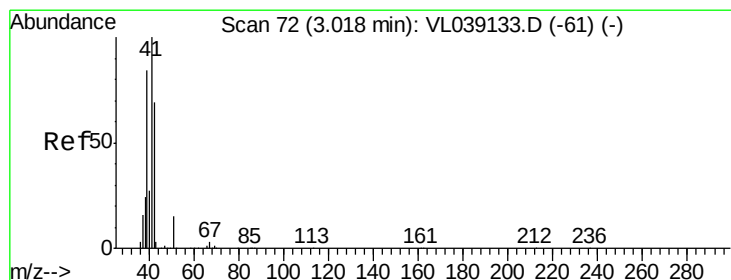
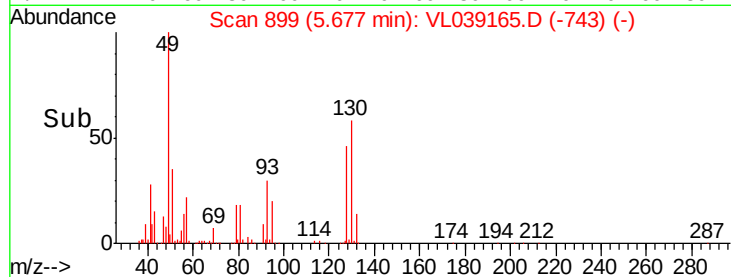
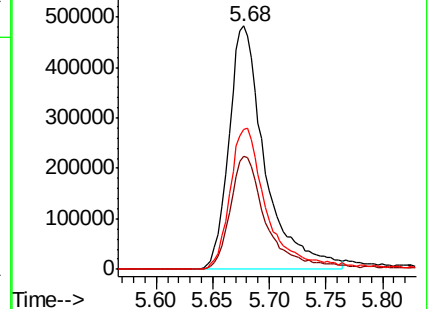
130 61.7 31.4 94.0



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



#9

Propene

Concen: 4.871 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.20 min

Lab File: VL039165.D

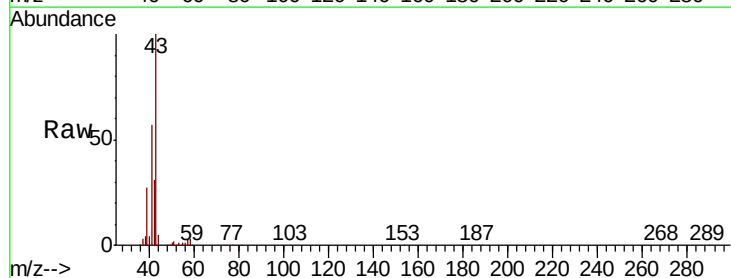
Acq: 3 Jun 2022 23:11

Tgt Ion: 41 Resp: 289965

Ion Ratio Lower Upper

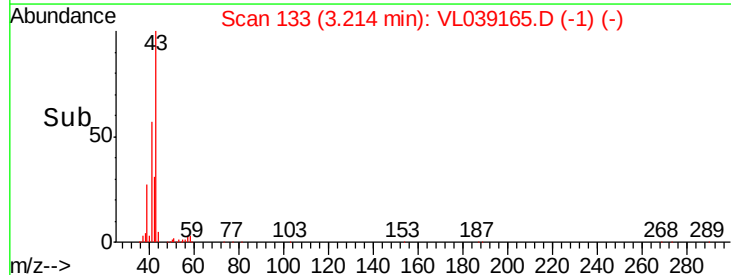
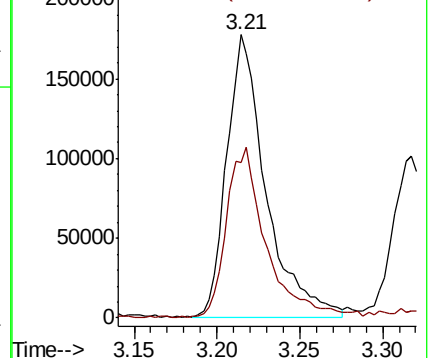
41 100

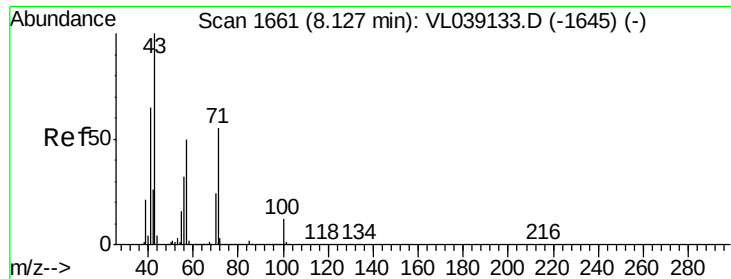
42 61.5 55.4 83.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

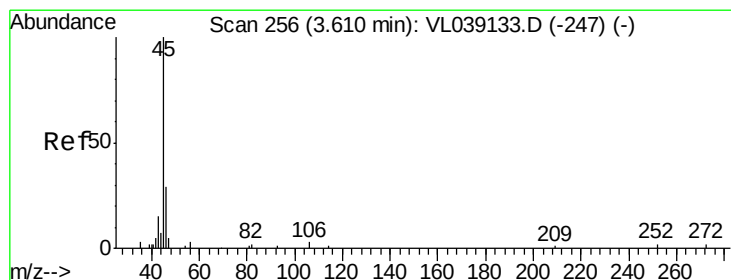
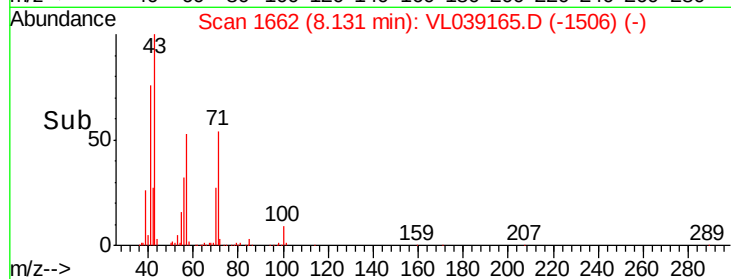
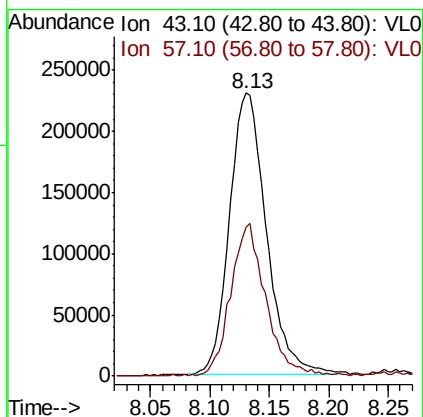
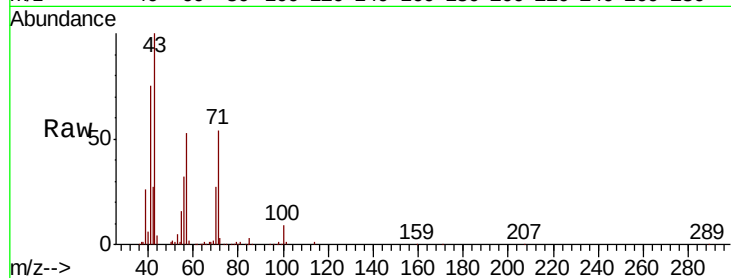
Ion 42.10 (41.80 to 42.80): VL0





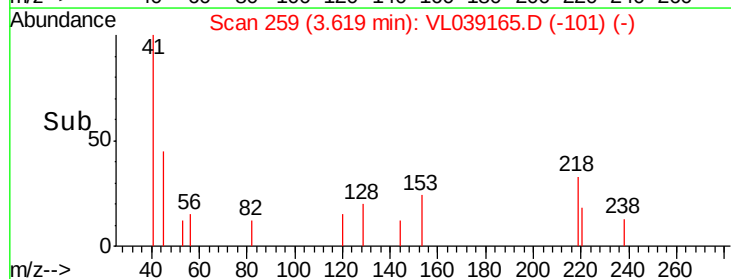
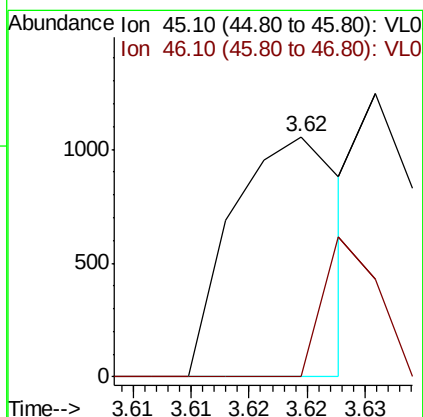
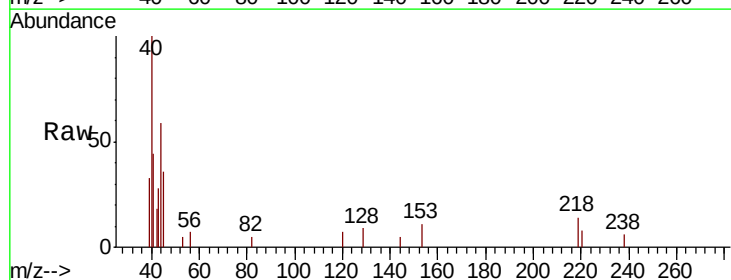
#10
Heptane
Concen: 3.573 ppbv
RT: 8.13
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Jun 2022 23:11

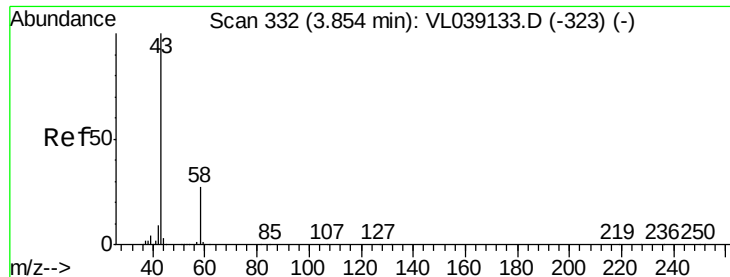
Tot Ion: 43 Resp: 496111
Ion Ratio Lower Upper
43 100
57 52.1 41.4 62.2



#13
Ethanol
Concen: 0.213 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.01 min
Lab File: VL039165.D
Acq: 3 Jun 2022 23:11

Tgt Ion: 45 Resp: 691
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0





#15

Acetone

Concen: 5.072 ppbv

RT: 3.89 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

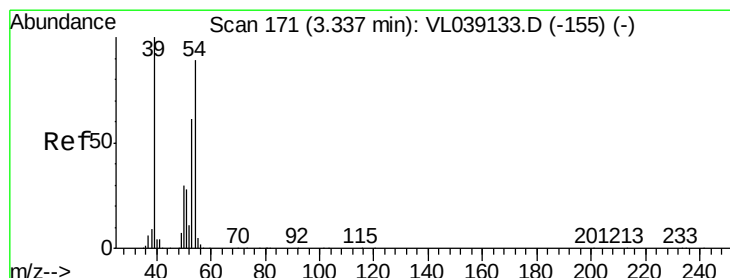
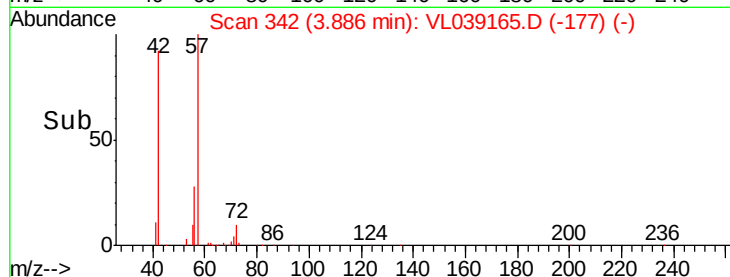
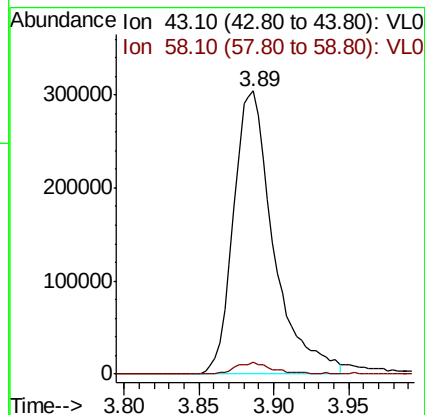
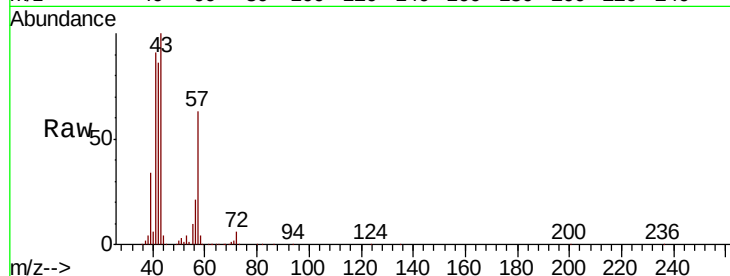
Acq: 3 Jun 2022 23:11 SV1DL

Tot Ion: 43 Resp: 566855

Ion Ratio Lower Upper

43 100

58 4.4 22.5 33.7#



#16

1,3-Butadiene

Concen: 1.458 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.02 min

Lab File: VL039165.D

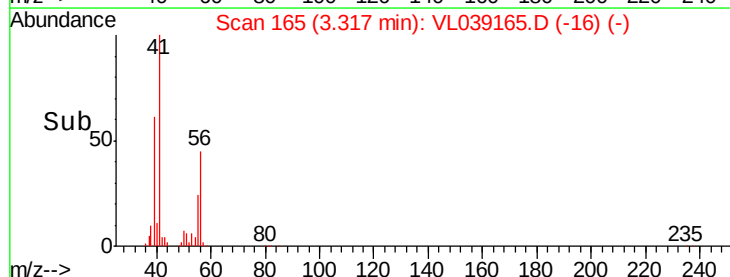
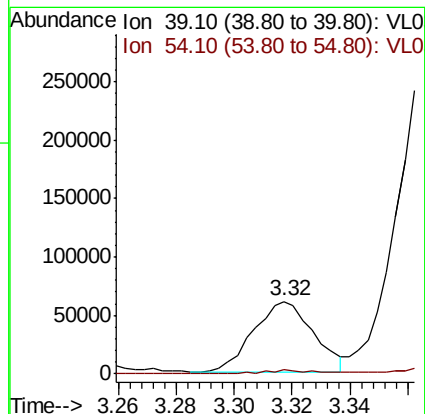
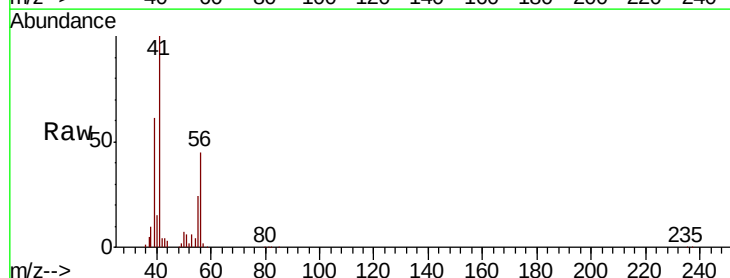
Acq: 3 Jun 2022 23:11

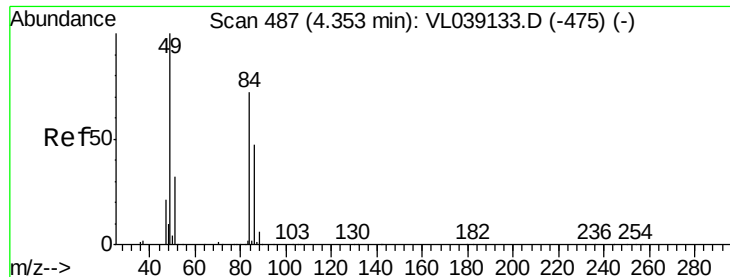
Tgt Ion: 39 Resp: 87613

Ion Ratio Lower Upper

39 100

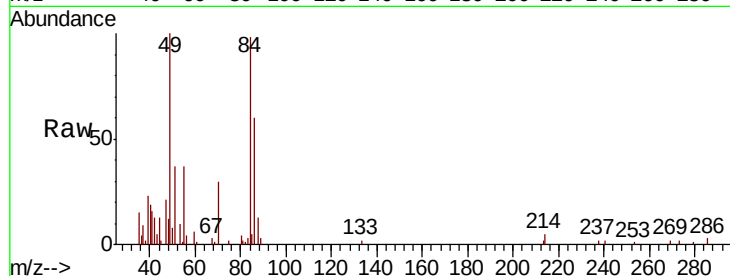
54 5.2 65.8 98.6#





#20
Methylene Chloride
Concen: 0.270 ppbv
RT: 4.36
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SV1DL
Acq: 3 Jun 2022 23:11

Tot Ion:	84	Resp:	12731
Ion	Ratio	Lower	Upper
84	100		
49	98.2	111.1	166.7#
51	27.7	35.3	52.9#
86	59.5	51.9	77.9



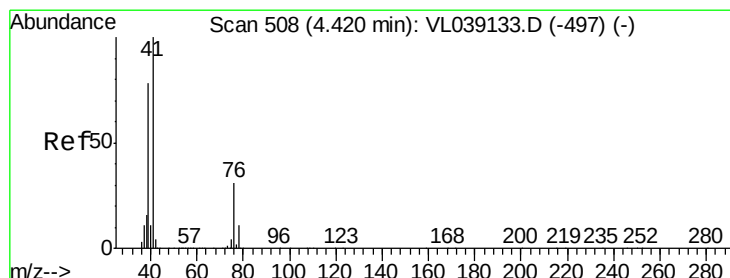
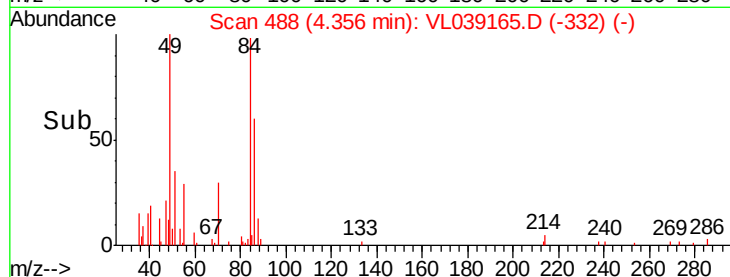
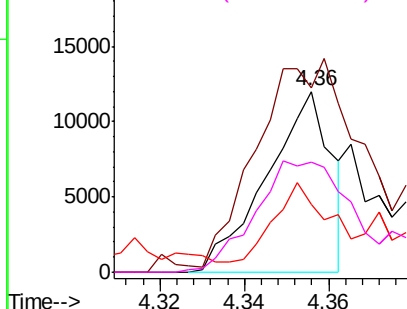
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

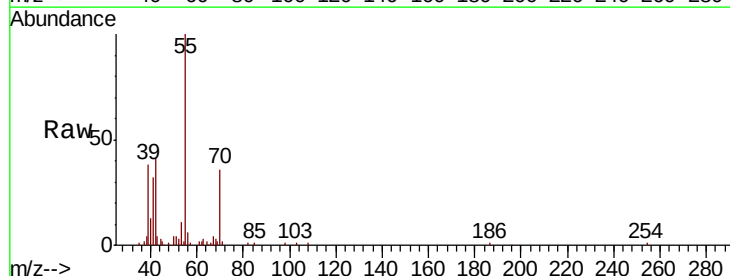
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21
Allyl Chloride
Concen: 0.156 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.10 min
Lab File: VL039165.D
Acq: 3 Jun 2022 23:11

Tgt Ion:	41	Resp:	11787
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.2	36.2#
39	176.7	62.2	93.2#

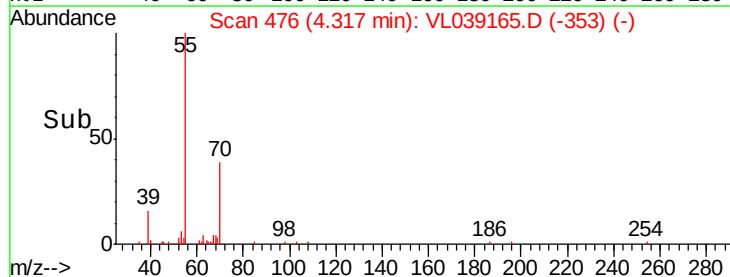
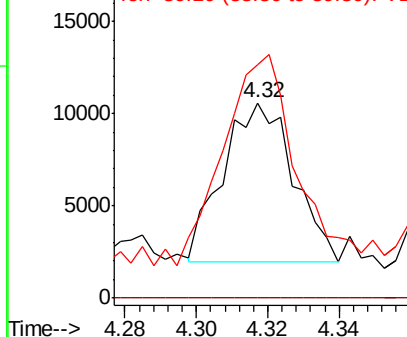


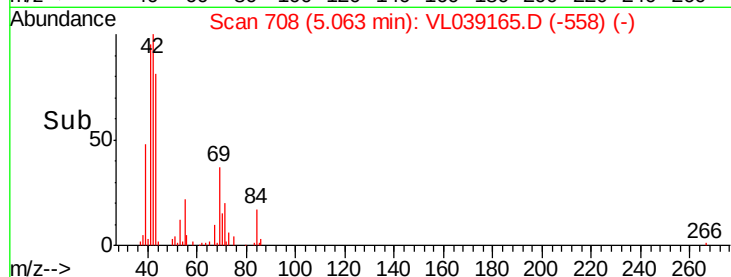
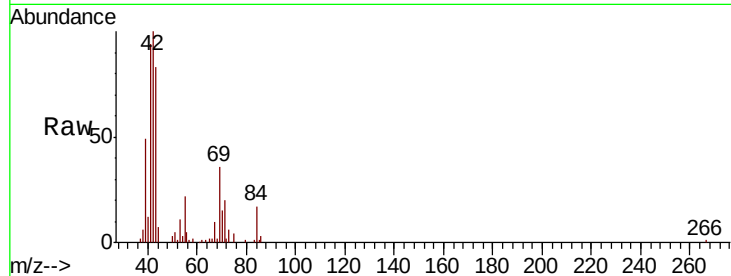
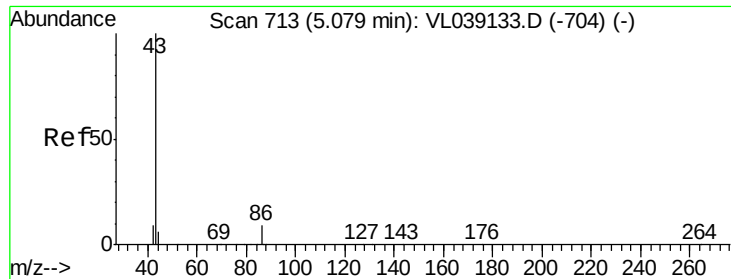
Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

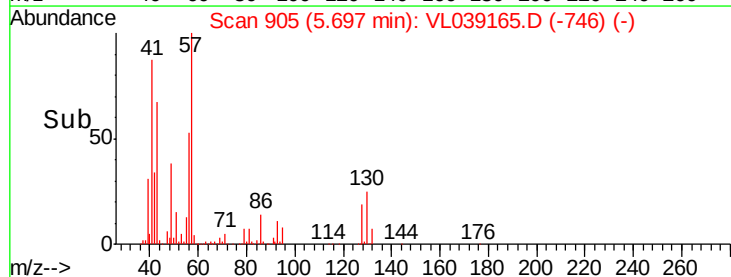
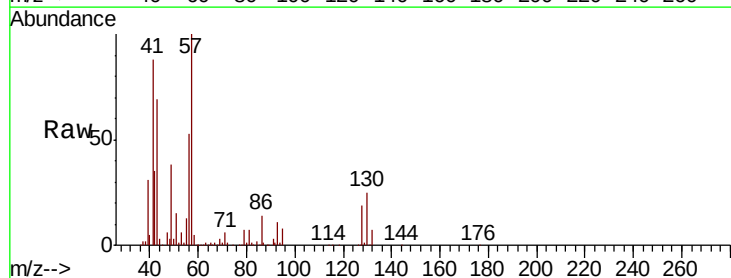
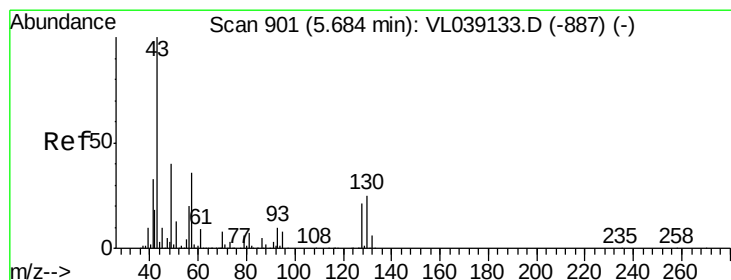
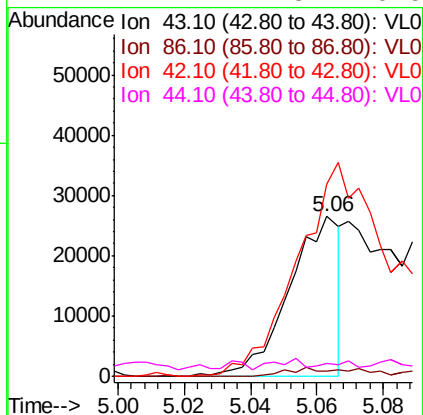
Ion 39.10 (38.80 to 39.80): VL0





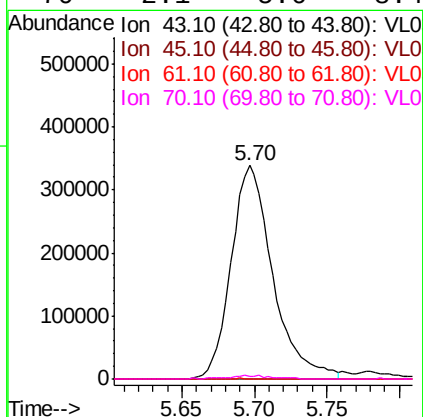
#23
 Vinyl Acetate
 Concen: 0.305 ppbv
 RT: 5.06
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV1DL
 Acq: 3 Jun 2022 23:11

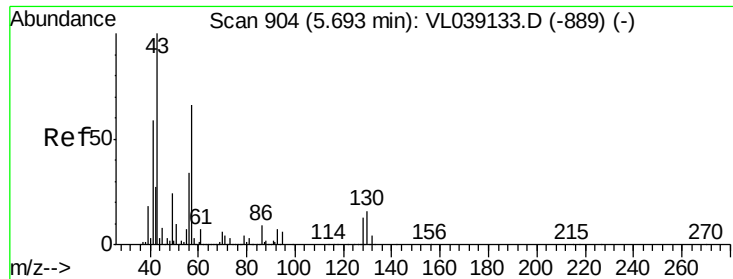
Tot Ion:	43	Resp:	28221
Ion	Ratio	Lower	Upper
43	100		
86	3.3	6.0	9.0#
42	120.0	8.2	12.4#
44	2.1	4.3	6.5#



#25
 Ethyl Acetate
 Concen: 2.668 ppbv
 RT: 5.70 min Scan# 905
 Delta R.T. 0.01 min
 Lab File: VL039165.D
 Acq: 3 Jun 2022 23:11

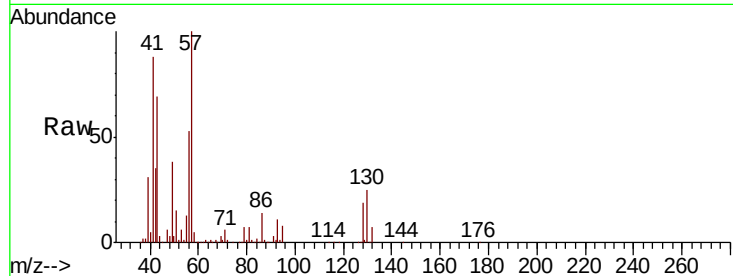
Tgt Ion:	43	Resp:	671992
Ion	Ratio	Lower	Upper
43	100		
45	0.1	8.2	12.2#
61	0.2	8.4	12.6#
70	2.1	5.6	8.4#



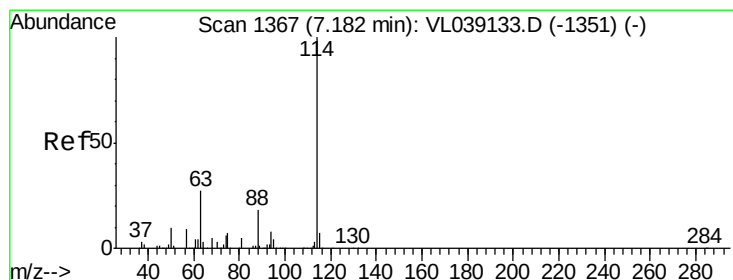
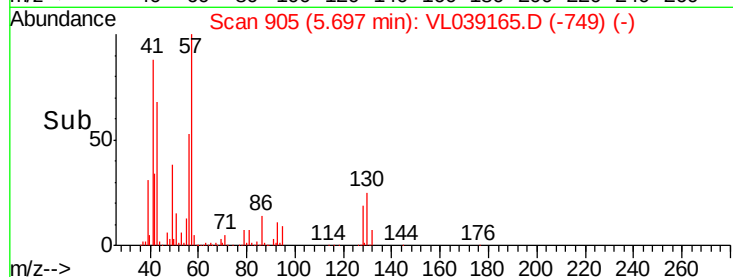
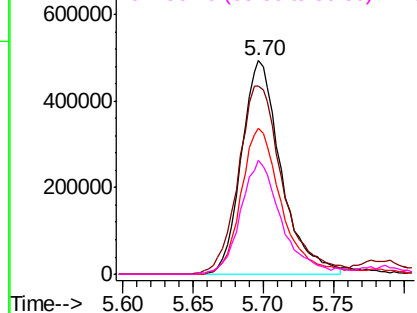


#26
Hexane
Concen: 8.779 ppbv
RT: 5.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV1DL
Acq: 3 Jun 2022 23:11

Tot Ion:	57	Resp:	971801
Ion	Ratio	Lower	Upper
57	100		
41	98.7	72.4	108.6
43	72.9	187.0	280.6#
56	55.3	41.8	62.6

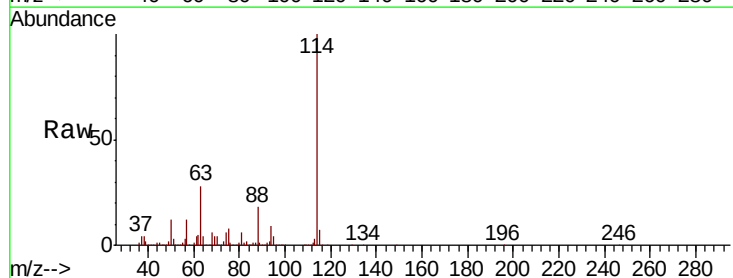


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

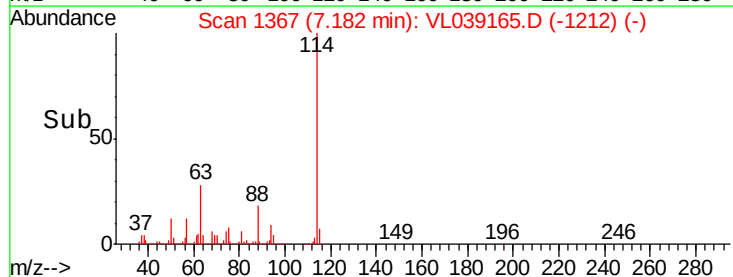
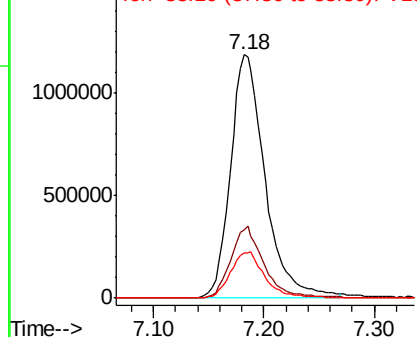


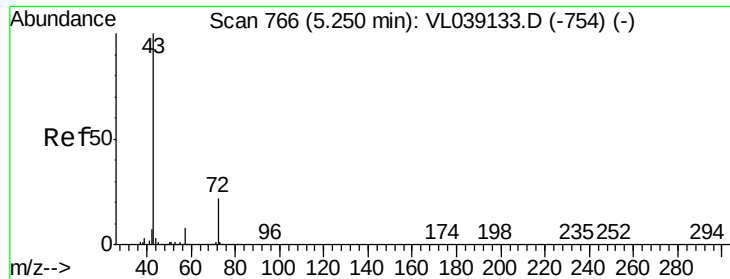
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VL039165.D
Acq: 3 Jun 2022 23:11

Tgt Ion:	114	Resp:	2567333
Ion	Ratio	Lower	Upper
114	100		
63	28.7	21.7	32.5
88	19.2	14.8	22.2



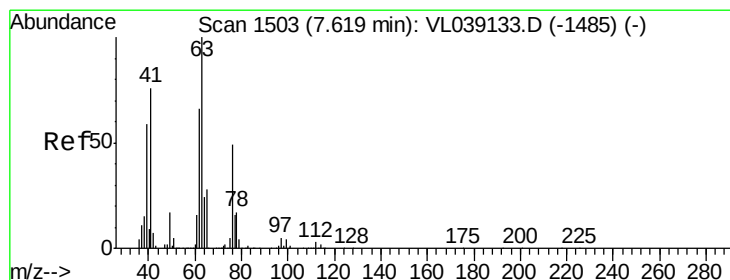
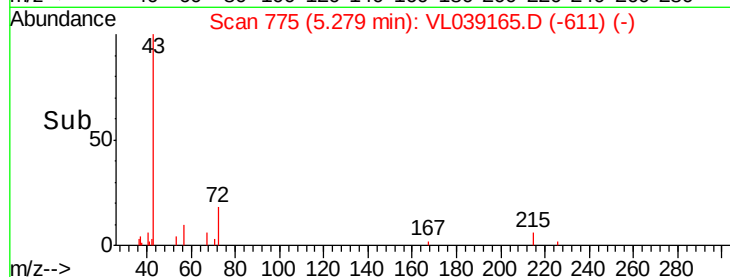
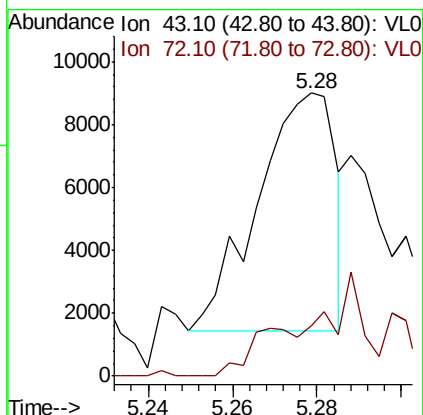
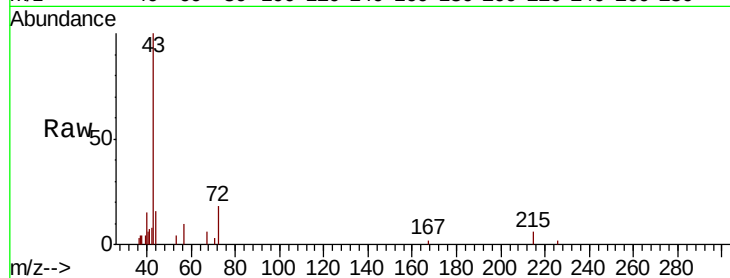
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





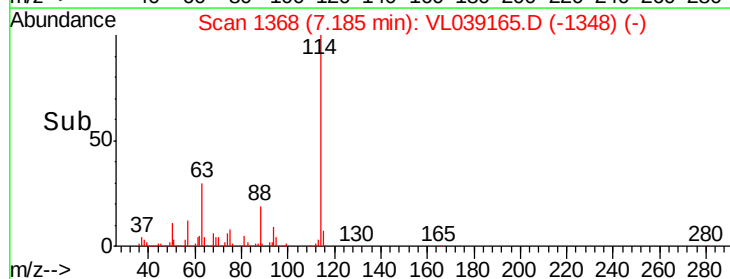
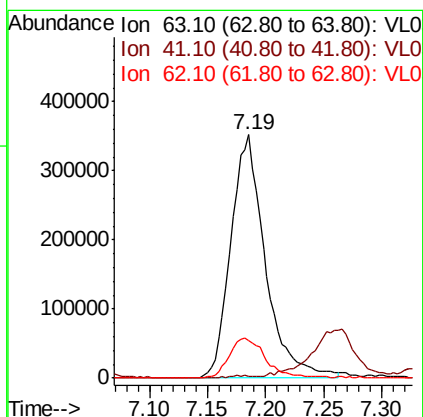
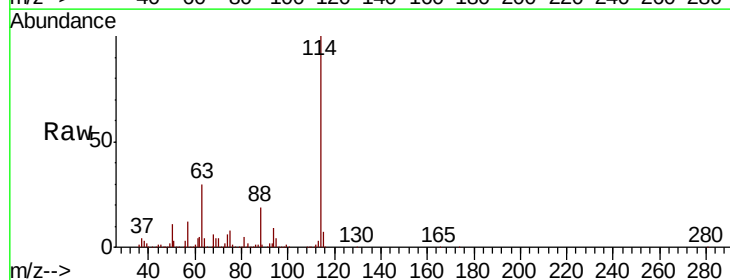
#34
 2-Butanone
 Concen: 0.069 ppbv
 RT: 5.28
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV1DL
 Acq: 3 Jun 2022 23:11

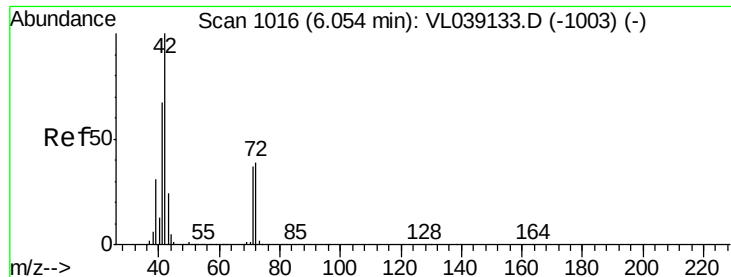
Tot Ion: 43 Resp: 9671
 Ion Ratio Lower Upper
 43 100
 72 48.8 18.2 27.2#



#39
 1,2-Dichloropropane
 Concen: 8.744 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.43 min
 Lab File: VL039165.D
 Acq: 3 Jun 2022 23:11

Tgt Ion: 63 Resp: 724929
 Ion Ratio Lower Upper
 63 100
 41 0.8 60.8 91.2#
 62 15.6 52.9 79.3#





#41

Tetrahydrofuran

Concen: 0.072 ppbv

RT: 6.00 Instrument:

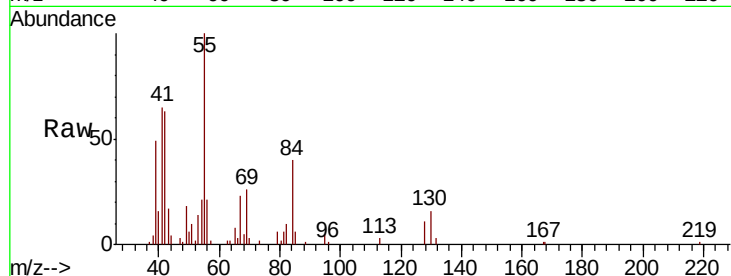
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

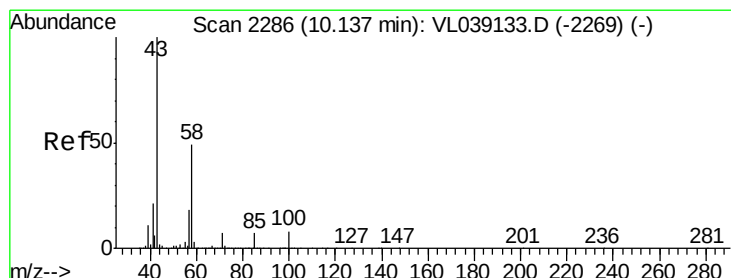
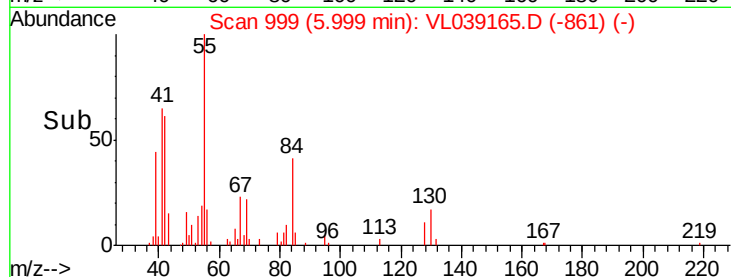
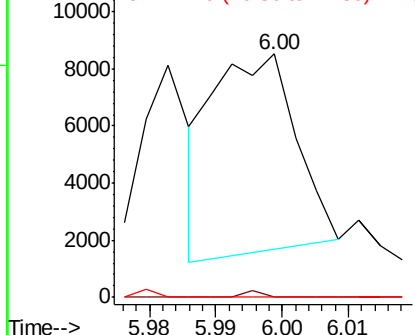
Acq: 3 Jun 2022 23:11 SV1DL

Tot Ion: 42 Resp: 6080

Ion	Ratio	Lower	Upper
42	100		
72	2.1	32.0	48.0#
71	0.0	31.1	46.7#



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



#51

2-Hexanone

Concen: 0.463 ppbv

RT: 10.12 min Scan# 2280

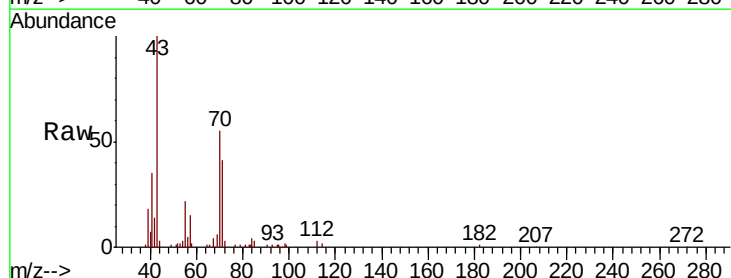
Delta R.T. -0.02 min

Lab File: VL039165.D

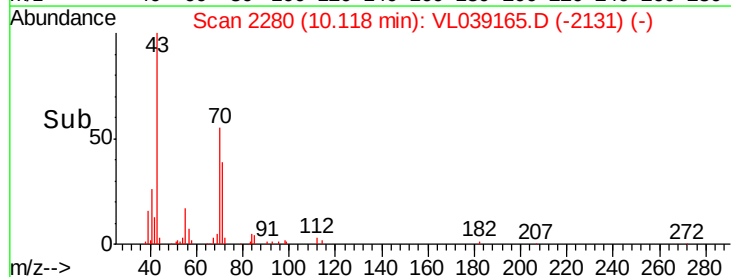
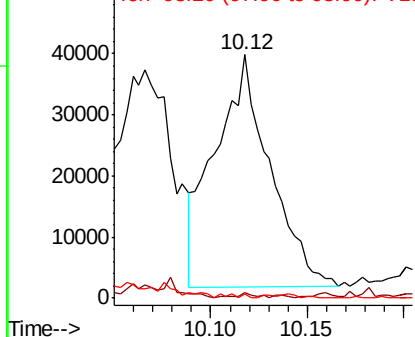
Acq: 3 Jun 2022 23:11

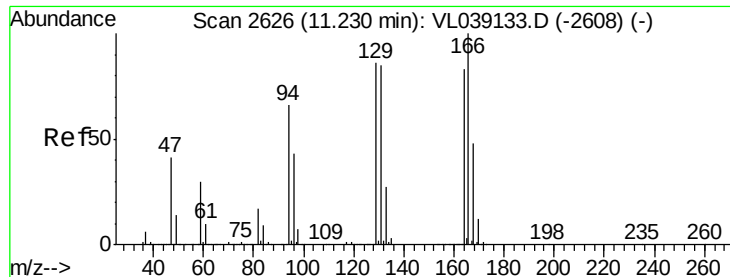
Tgt Ion: 43 Resp: 75288

Ion	Ratio	Lower	Upper
43	100		
58	1.1	40.0	60.0#
98	1.2	0.1	0.1#



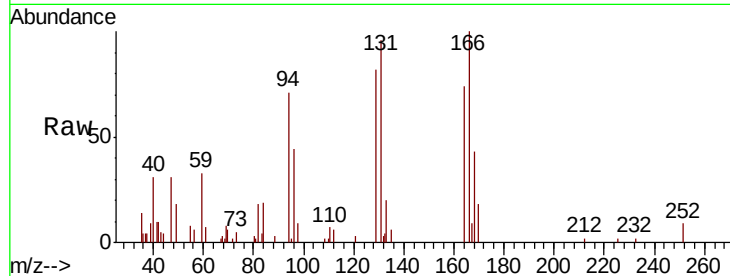
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



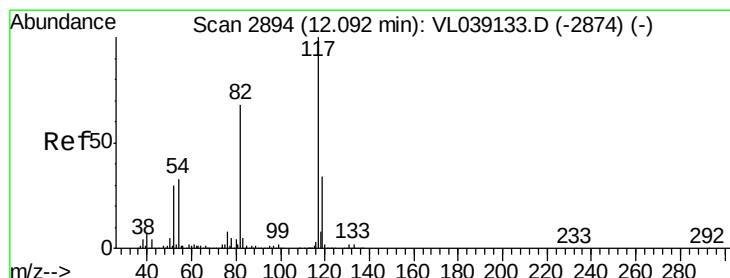
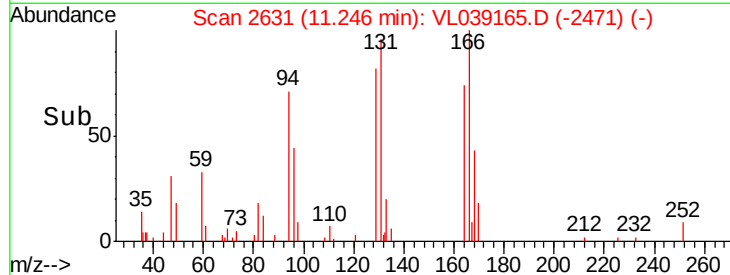
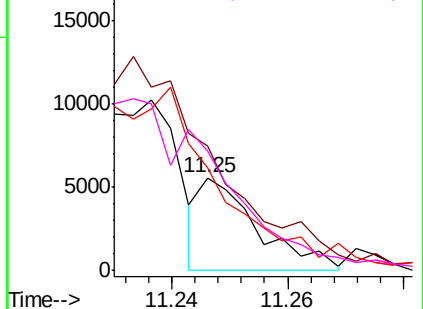


#52
Tetrachloroethene
Concen: 0.047 ppbv
RT: 11.25
Delta R.T. MSVOA_L
Lab File: ClientSampleId : SV1DL
Acq: 3 Jun 2022 23:11

Tot Ion:164 Resp: 3823
Ion Ratio Lower Upper
164 100
166 122.4 96.3 144.5
129 84.0 82.5 123.7
131 122.6 82.1 123.1

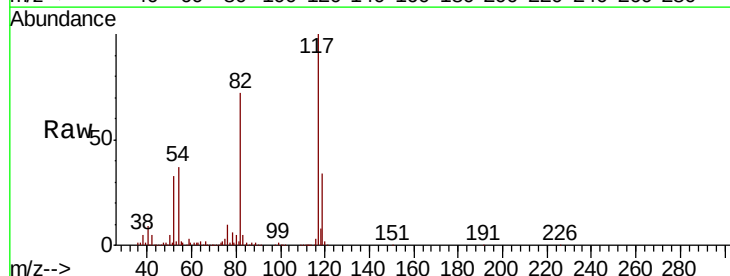


Abundance Ion 163.90 (163.60 to 164.60): V
20000
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V

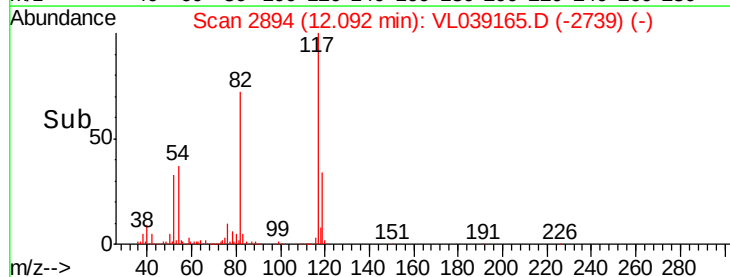
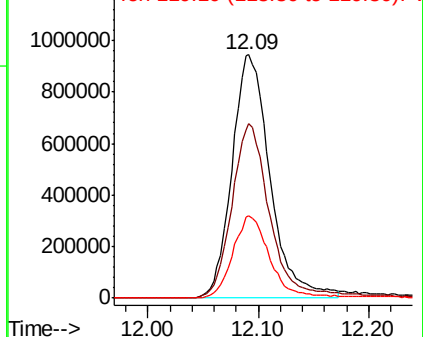


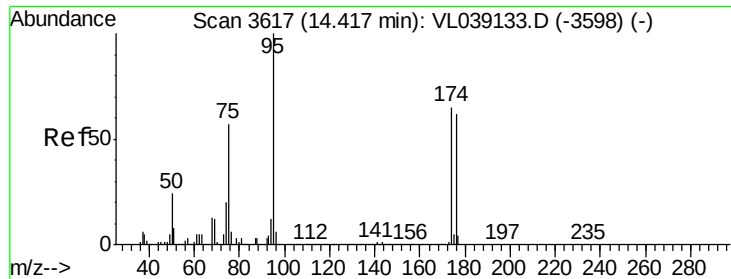
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL039165.D
Acq: 3 Jun 2022 23:11

Tgt Ion:117 Resp: 2264234
Ion Ratio Lower Upper
117 100
82 74.1 55.1 82.7
119 34.2 24.7 37.1



Abundance Ion 117.10 (116.80 to 117.80): V
1200000
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.315 ppbv

RT: 14.42 Instrument:

Delta R.T MSVOA_L

Lab File: ClientSampleId :

SV1DL

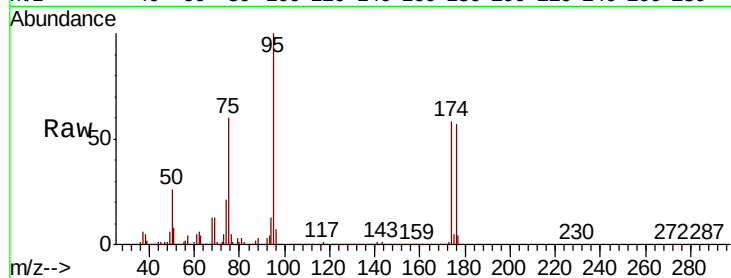
Tot Ion: 95 Resp: 1930899

Ion Ratio Lower Upper

95 100

174 64.7 53.8 80.8

175 4.7 4.1 6.1



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

