

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062422\
 Data File : VL039340.D
 Acq On : 24 Jun 2022 14:23
 Operator : SY/AP
 Sample : N3489-01DL 20X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1-20220622DL

Quant Time: Jun 27 01:48:51 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	5.66	49	1163938	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3361912	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2986611	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2225457	9.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.10%

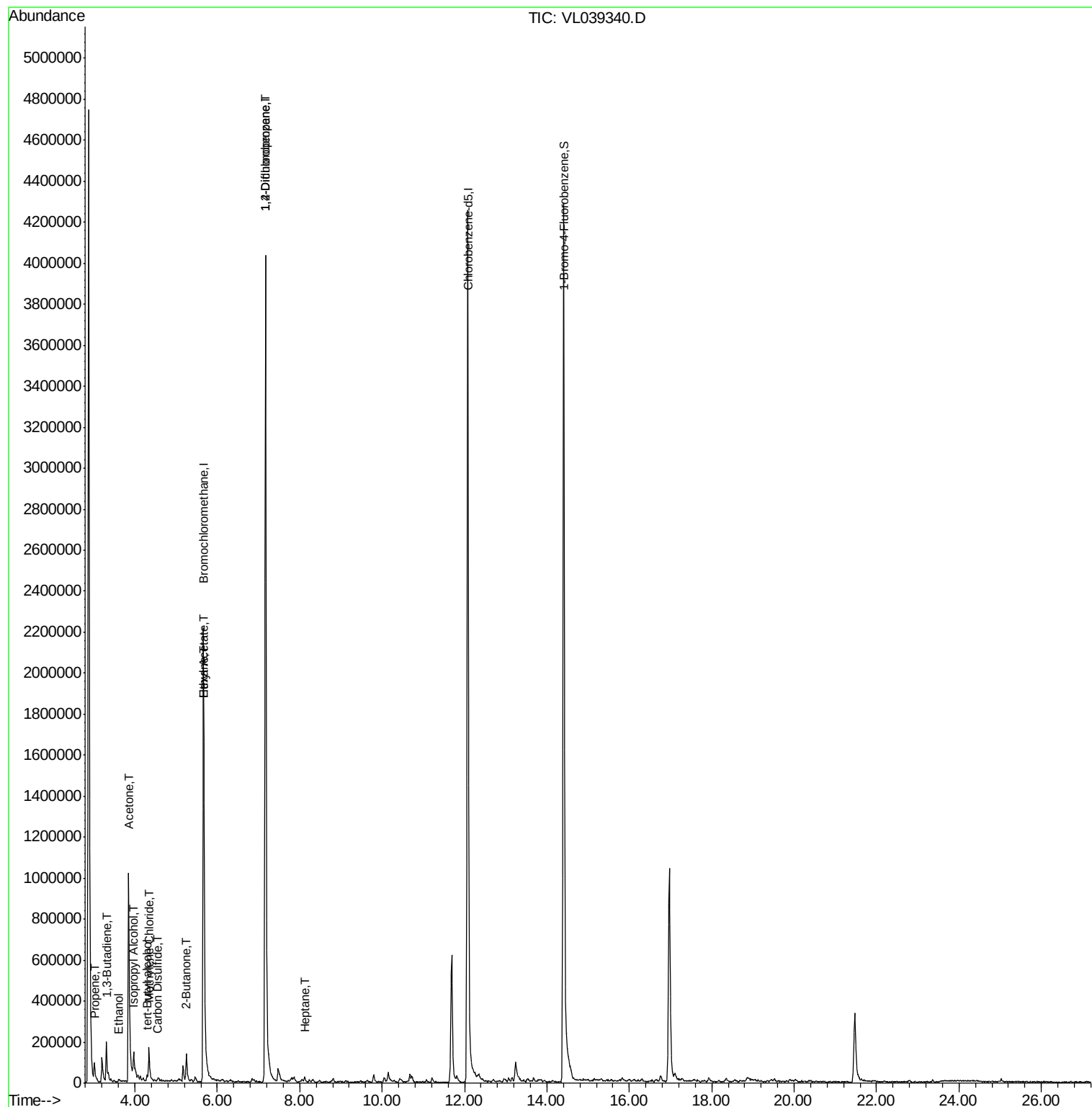
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	38944	0.603	ppbv	98
10) Heptane	8.11	43	4951	0.033	ppbv #	13
13) Ethanol	3.60	45	6452	1.832	ppbv #	100
15) Acetone	3.85	43	1395720	11.512	ppbv	97
16) 1,3-Butadiene	3.31	39	60509	0.928	ppbv #	20
17) tert-Butyl alcohol	4.30	59	4486	0.048	ppbv #	5
19) Isopropyl Alcohol	3.97	45	128056	2.252	ppbv #	93
20) Methylene Chloride	4.34	84	57024	1.116	ppbv	87
25) Ethyl Acetate	5.68	43	27520	0.101	ppbv #	85
26) Hexane	5.68	57	41534	0.346	ppbv #	33
27) Carbon Disulfide	4.55	76	5014	0.040	ppbv #	64
34) 2-Butanone	5.25	43	176659	0.967	ppbv #	90
39) 1,2-Dichloropropane	7.17	63	832690	7.670	ppbv #	23

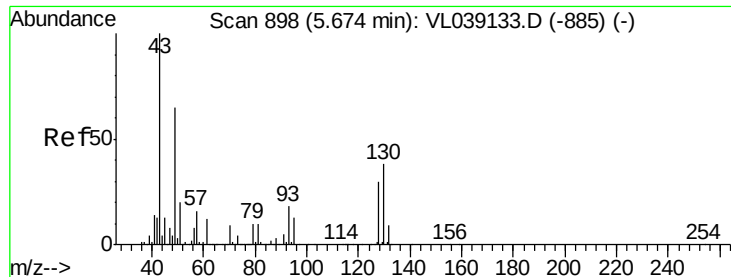
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_L
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SV-1-20220622DL

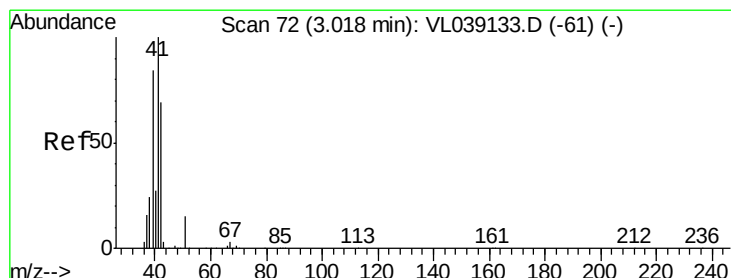
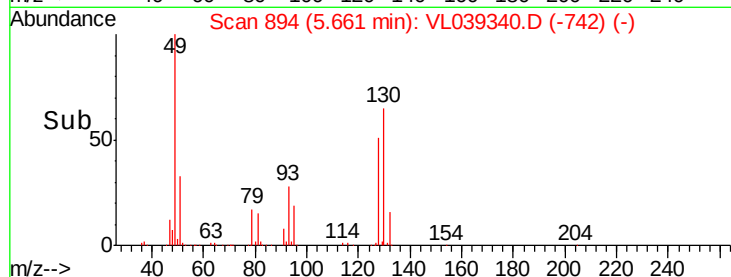
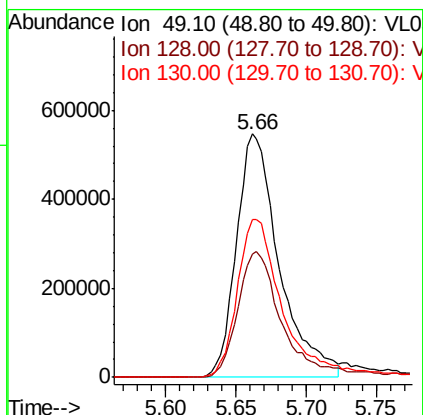
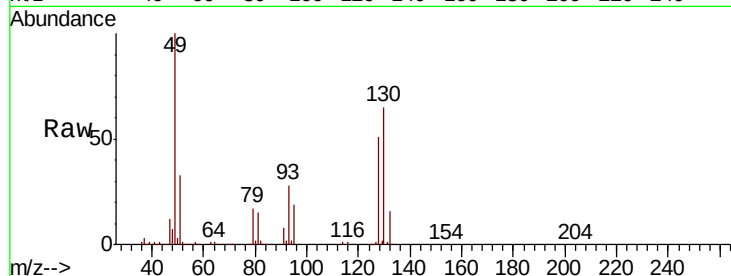
Quant Time: Jun 27 01:48:51 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022
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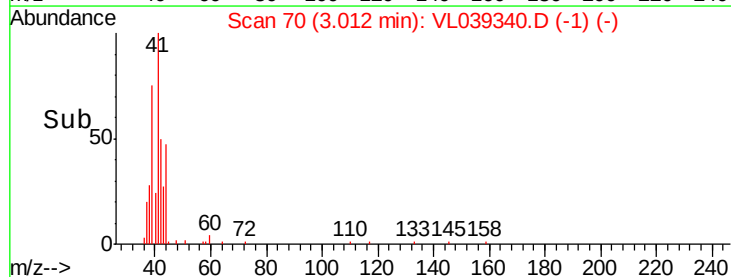
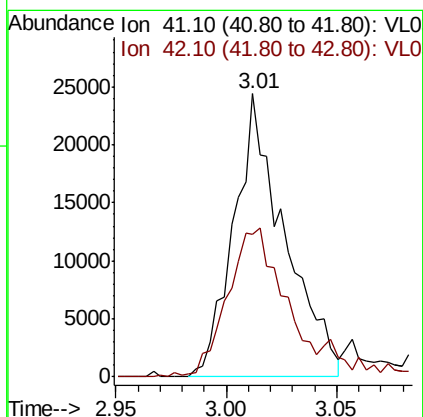
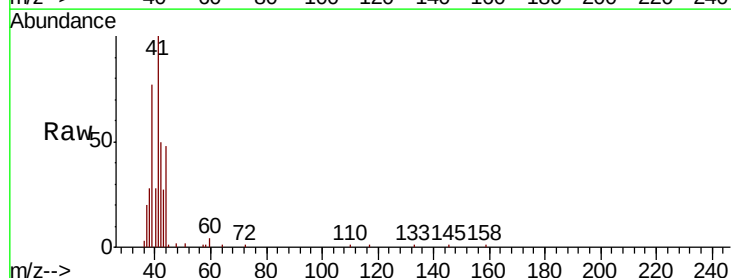
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 SV-1-20220622DL
 Acq: 24 Jun 2022 14:23

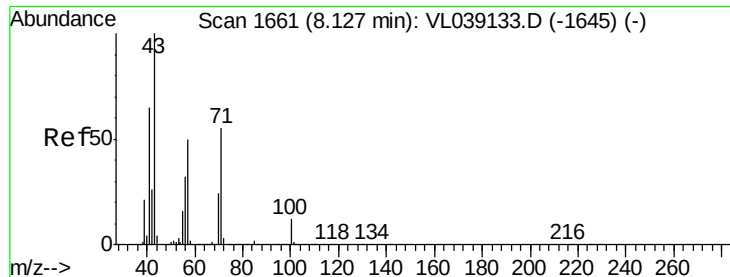
Tot Ion: 49 Resp: 1163938
 Ion Ratio Lower Upper
 49 100
 128 56.4 24.7 74.1
 130 71.1 31.4 94.0



#9
 Propene
 Concen: 0.603 ppbv
 RT: 3.01 min Scan# 70
 Delta R.T.: -0.01 min
 Lab File: VL039340.D
 Acq: 24 Jun 2022 14:23

Tgt Ion: 41 Resp: 38944
 Ion Ratio Lower Upper
 41 100
 42 67.9 55.4 83.2





#10

Heptane

Concen: 0.033 ppbv

RT: 8.11 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

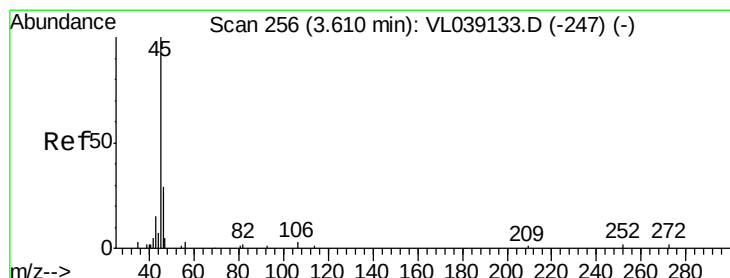
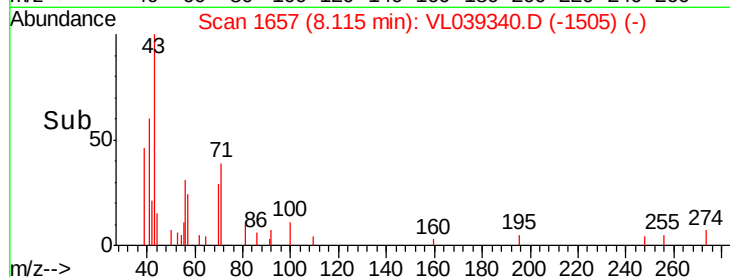
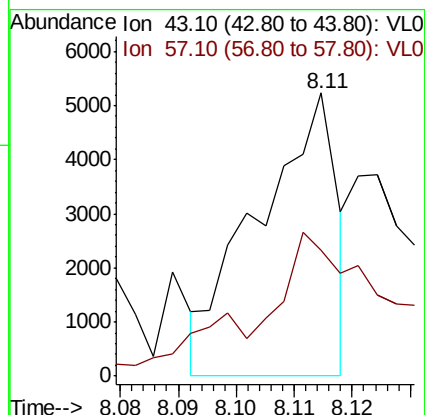
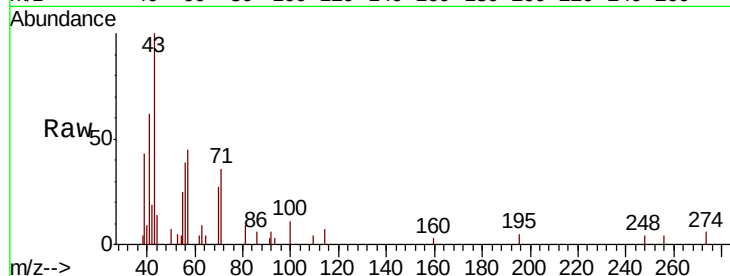
Acq: 24 Jun 2022 14:23 SV-1-20220622DL

Tot Ion: 43 Resp: 4951

Ion Ratio Lower Upper

43 100

57 113.1 41.4 62.2#



#13

Ethanol

Concen: 1.832 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.01 min

Lab File: VL039340.D

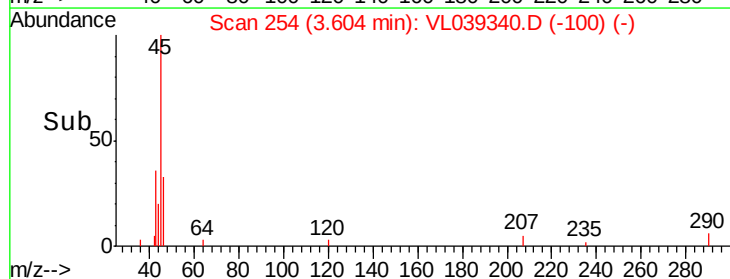
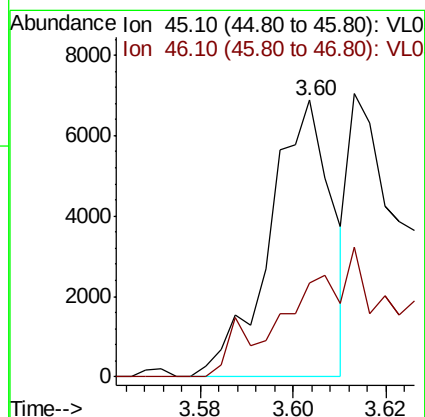
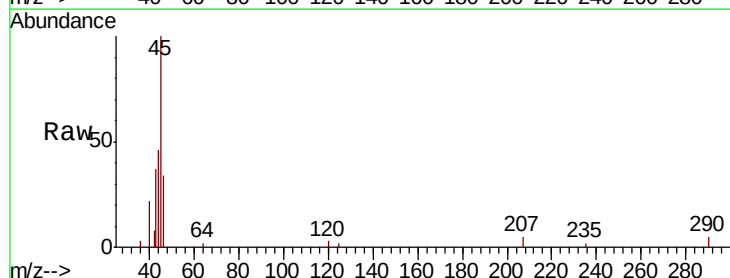
Acq: 24 Jun 2022 14:23

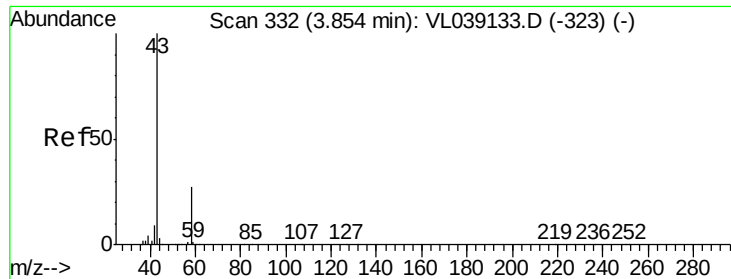
Tgt Ion: 45 Resp: 6452

Ion Ratio Lower Upper

45 100

46 0.0 0.0 0.0





#15

Acetone

Concen: 11.512 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

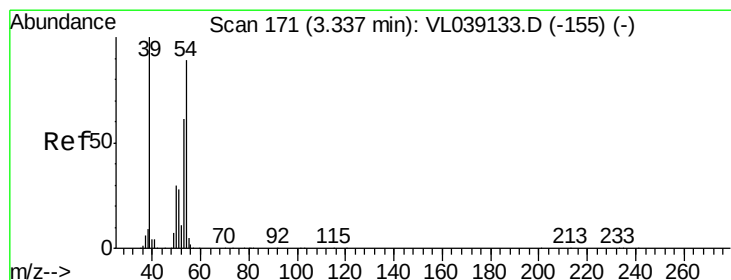
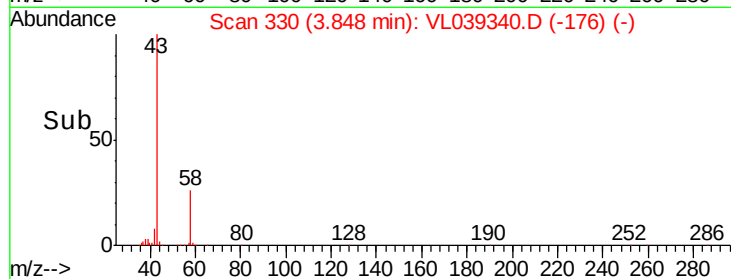
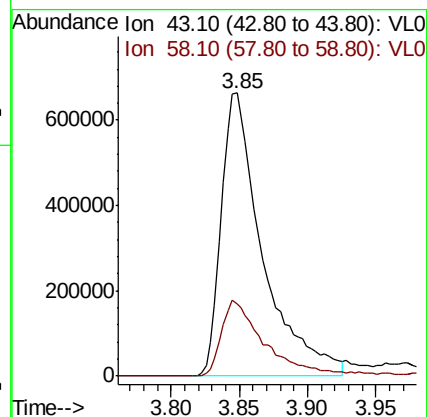
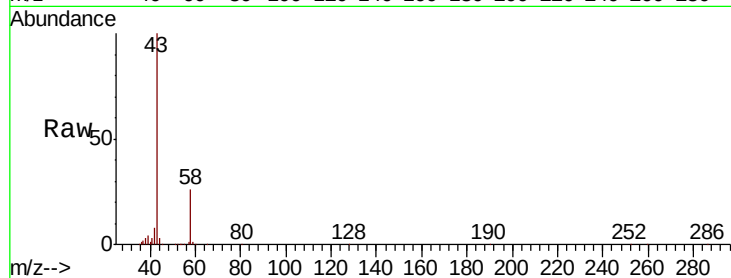
Acq: 24 Jun 2022 14:23 SV-1-20220622DL

Tot Ion: 43 Resp: 1395720

Ion Ratio Lower Upper

43 100

58 29.7 22.5 33.7



#16

1,3-Butadiene

Concen: 0.928 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.03 min

Lab File: VL039340.D

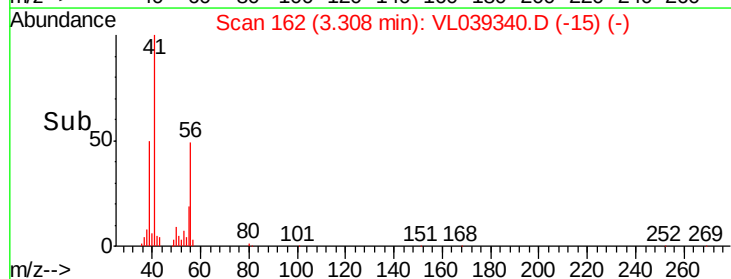
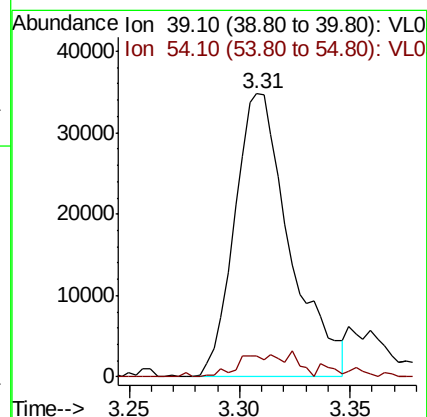
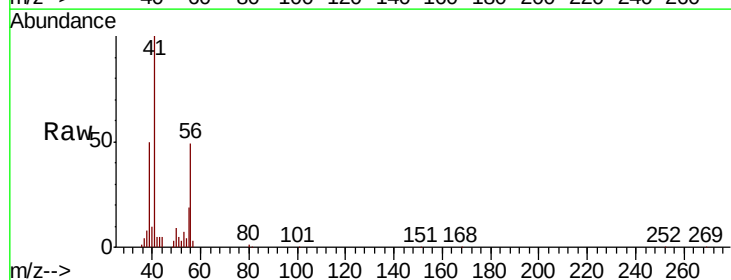
Acq: 24 Jun 2022 14:23

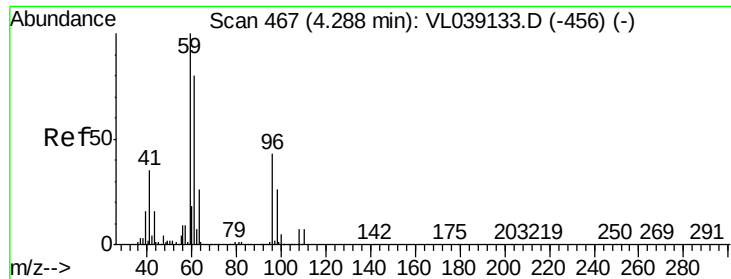
Tgt Ion: 39 Resp: 60509

Ion Ratio Lower Upper

39 100

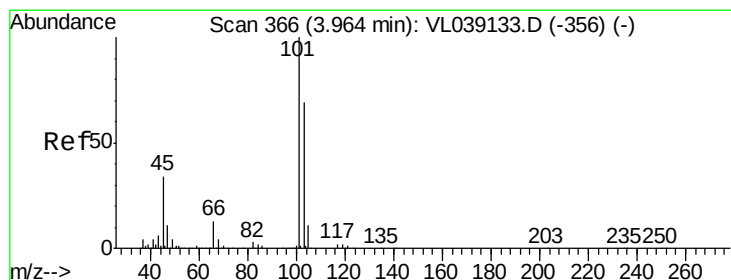
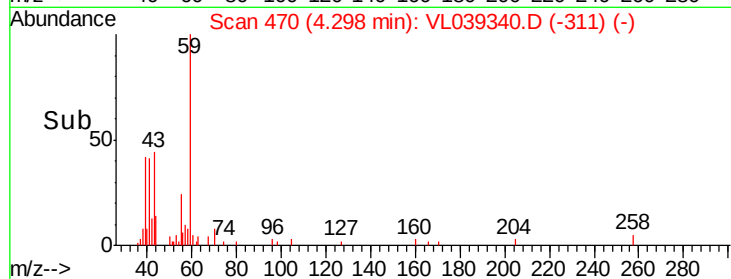
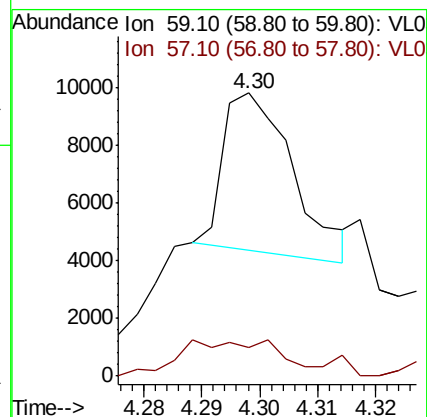
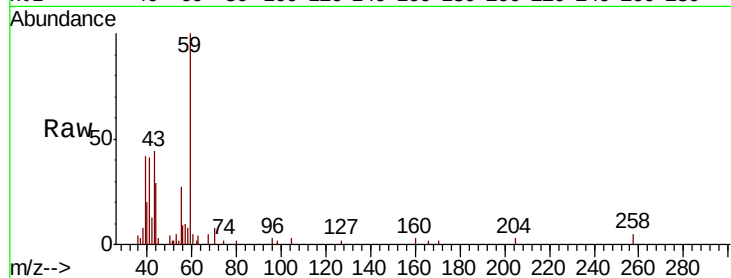
54 10.7 65.8 98.6#





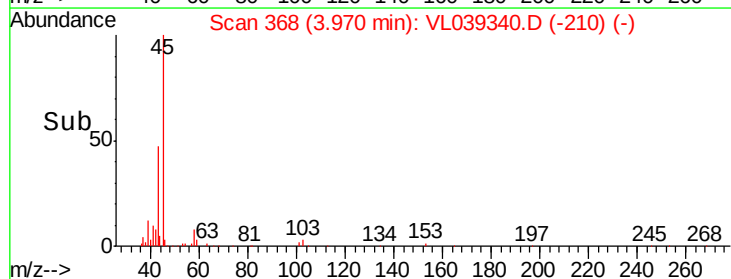
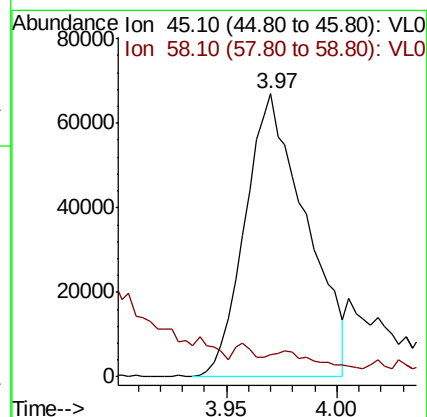
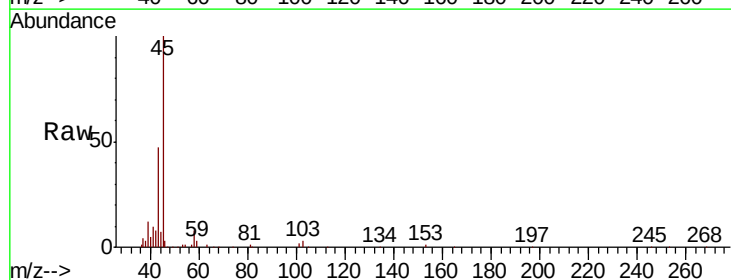
#17
 tert-Butyl alcohol
 Concen: 0.048 ppbv
 RT: 4.30
 Delta R.T. MSVOA.L
 Lab File: ClientSampleId :
 SV-1-20220622DL
 Acq: 24 Jun 2022 14:23

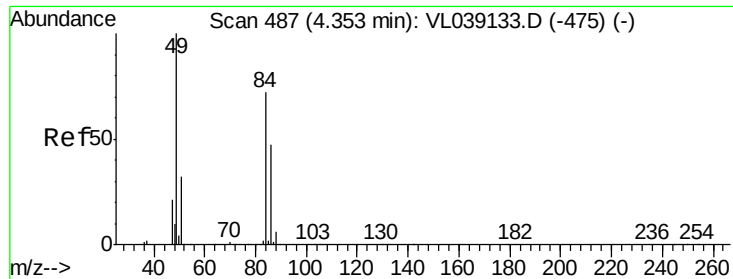
Tot Ion: 59 Resp: 4486
 Ion Ratio Lower Upper
 59 100
 57 47.7 9.1 13.7#



#19
 Isopropyl Alcohol
 Concen: 2.252 ppbv
 RT: 3.97 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VL039340.D
 Acq: 24 Jun 2022 14:23

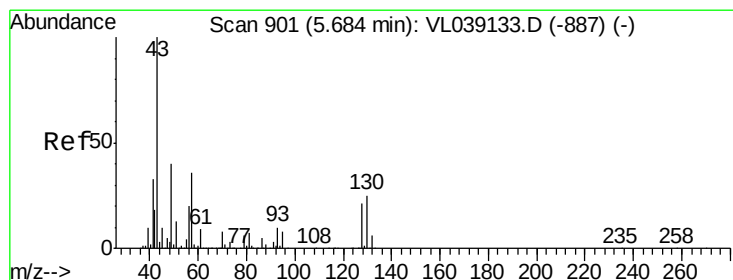
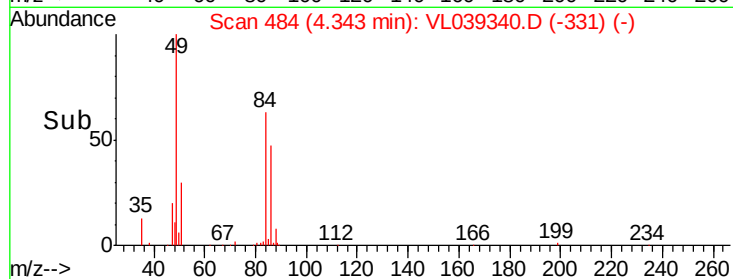
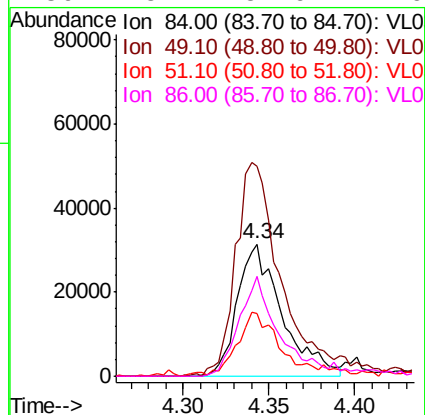
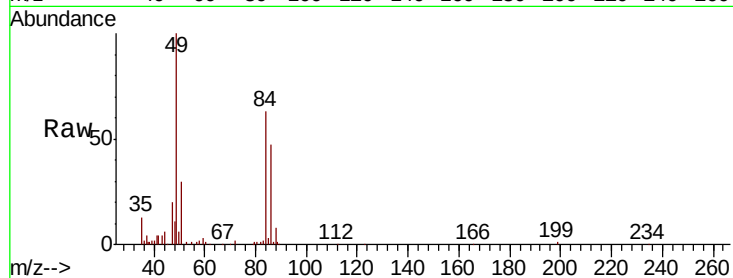
Tgt Ion: 45 Resp: 128056
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.8 2.8#





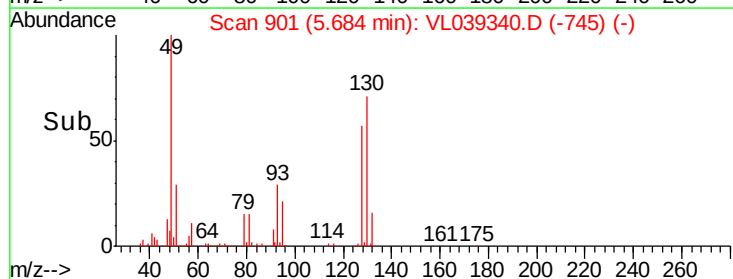
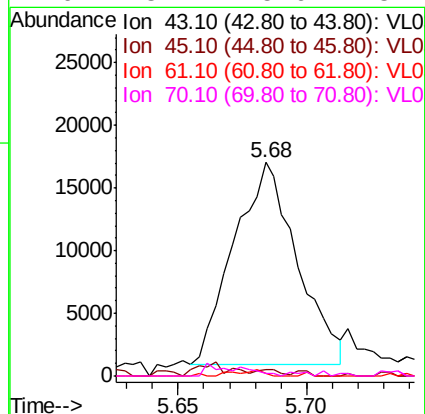
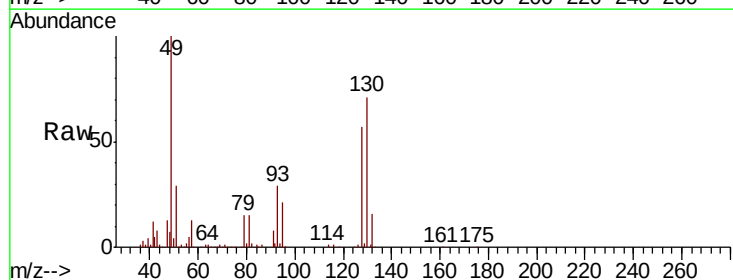
#20
Methvlene Chloride
Concen: 1.116 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Jun 2022 14:23

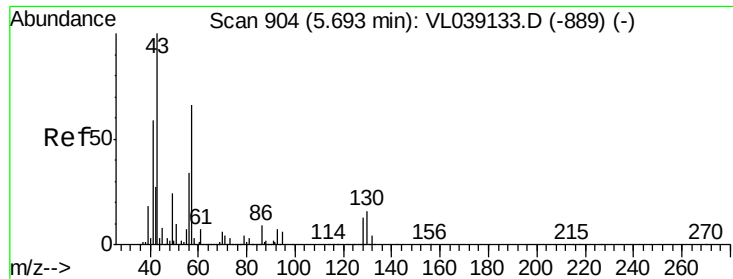
Tot Ion:	84	Resp:	57024
Ion	Ratio	Lower	Upper
84	100		
49	158.1	111.1	166.7
51	45.5	35.3	52.9
86	75.4	51.9	77.9



#25
Ethyl Acetate
Concen: 0.101 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL039340.D
Acq: 24 Jun 2022 14:23

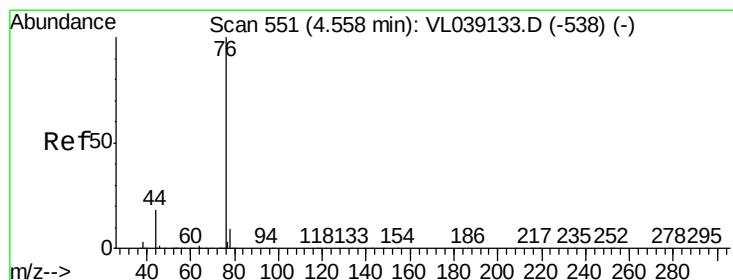
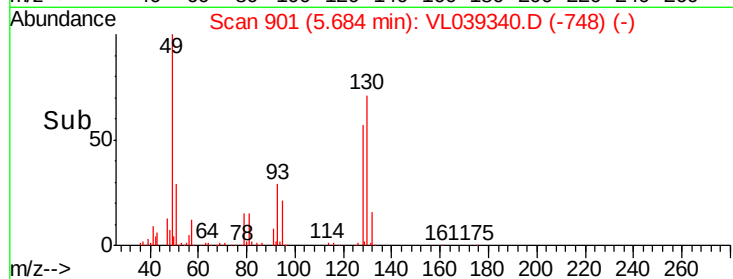
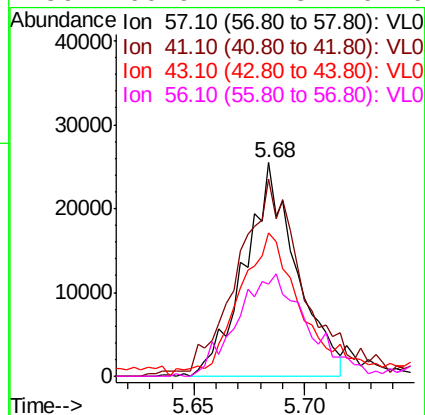
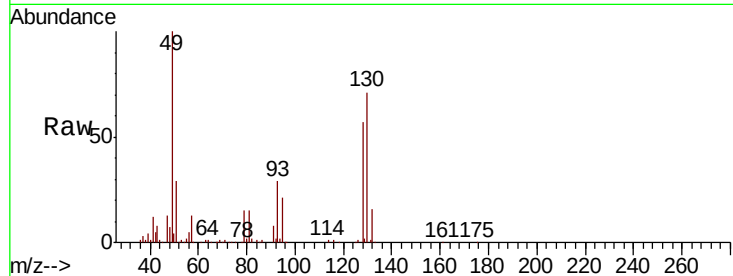
Tgt Ion:	43	Resp:	27520
Ion	Ratio	Lower	Upper
43	100		
45	5.9	8.2	12.2#
61	1.7	8.4	12.6#
70	3.7	5.6	8.4#





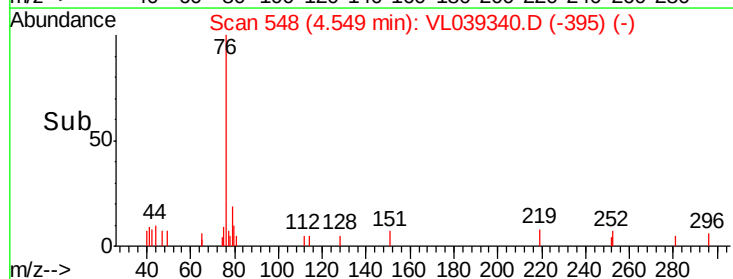
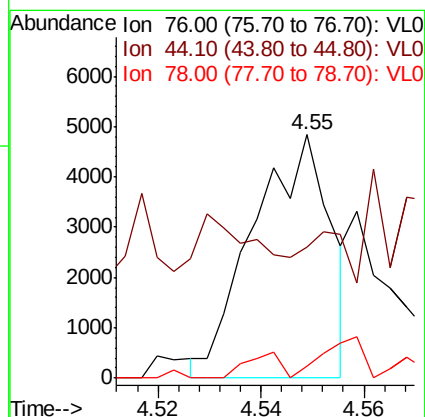
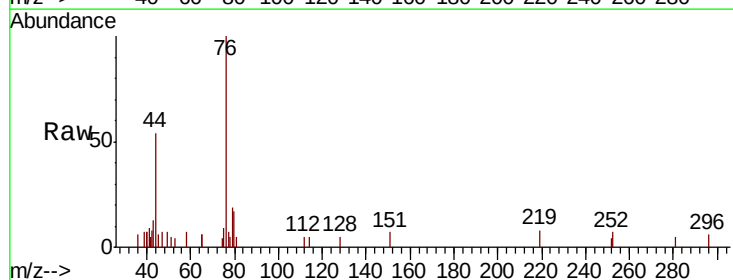
#26
Hexane
Concen: 0.346 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jun 2022 14:23

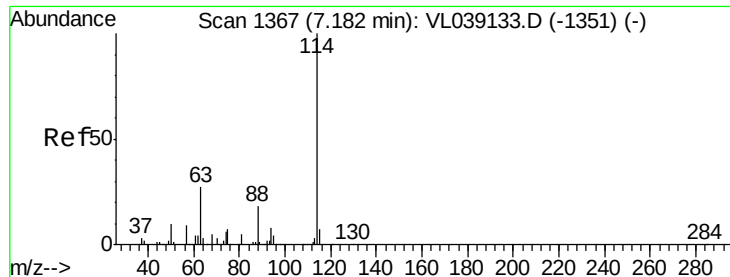
Tot Ion:	57	Resp:	41534
Ion	Ratio	Lower	Upper
57	100		
41	122.1	72.4	108.6#
43	83.1	187.0	280.6#
56	66.9	41.8	62.6#



#27
Carbon Disulfide
Concen: 0.040 ppbv
RT: 4.55 min Scan# 548
Delta R.T. -0.01 min
Lab File: VL039340.D
Acq: 24 Jun 2022 14:23

Tgt Ion:	76	Resp:	5014
Ion	Ratio	Lower	Upper
76	100		
44	0.0	14.4	21.6#
78	0.0	7.7	11.5#

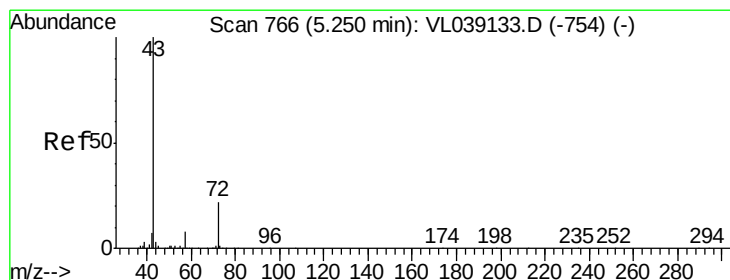
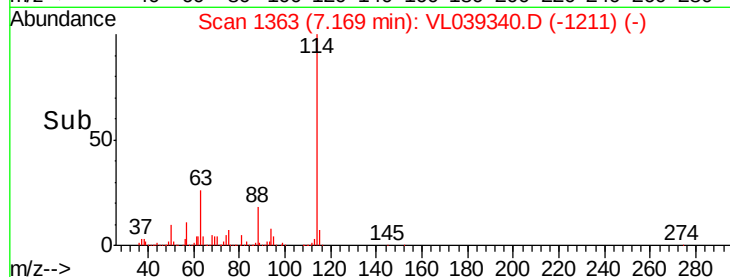
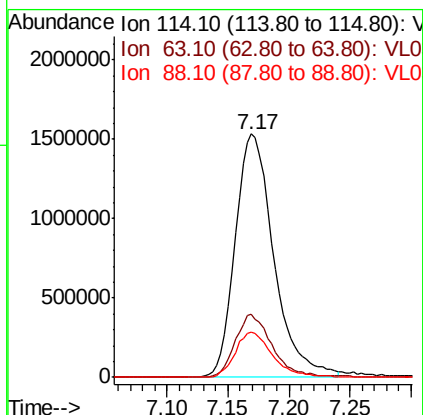
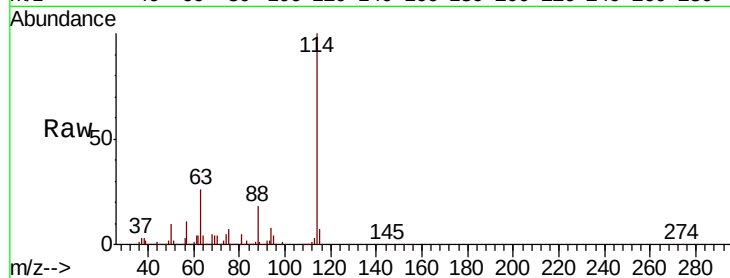




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV-1-20220622DL
 Acq: 24 Jun 2022 14:23

Tot Ion:114 Resp: 3361912

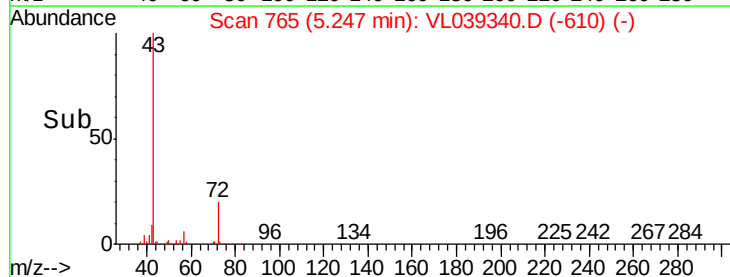
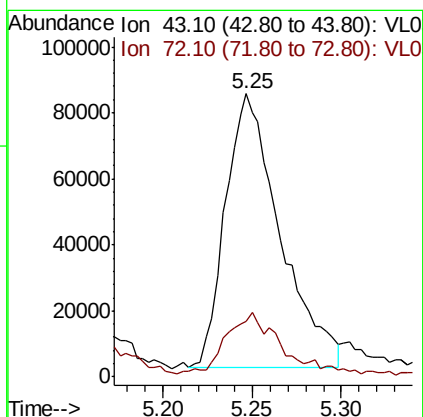
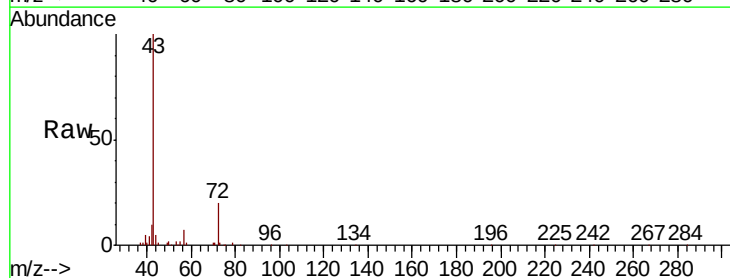
Ion	Ratio	Lower	Upper
114	100		
63	25.4	21.7	32.5
88	18.3	14.8	22.2

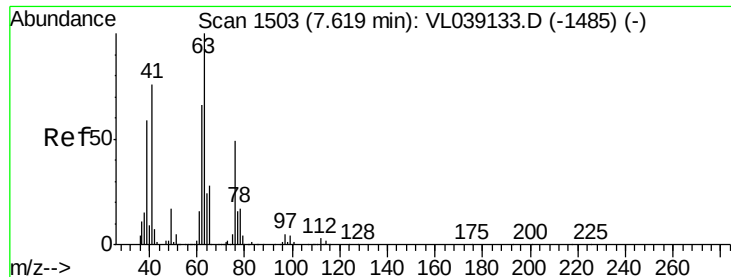


#34
 2-Butanone
 Concen: 0.967 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VL039340.D
 Acq: 24 Jun 2022 14:23

Tgt Ion: 43 Resp: 176659

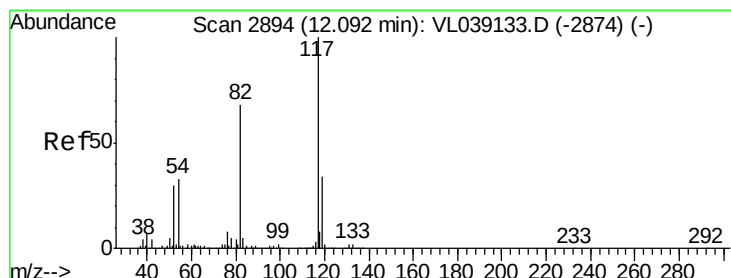
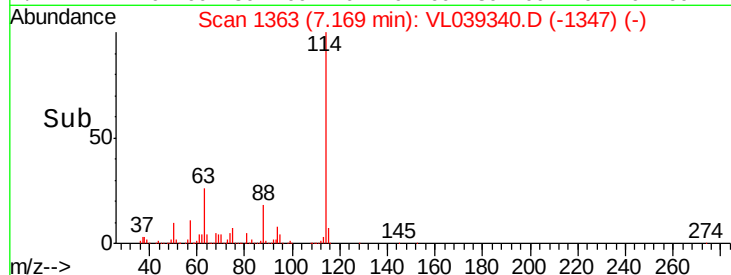
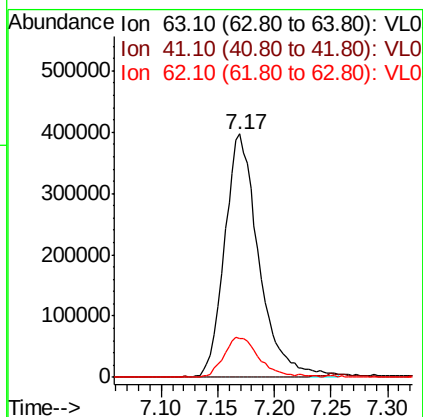
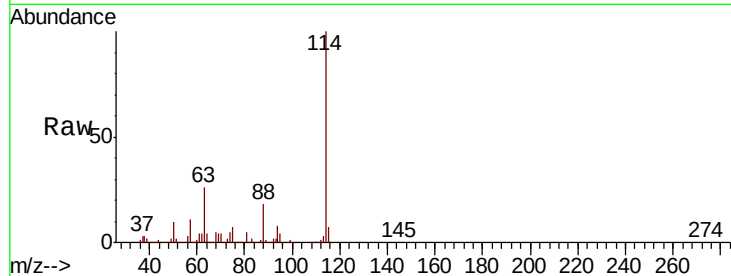
Ion	Ratio	Lower	Upper
43	100		
72	27.4	18.2	27.2#





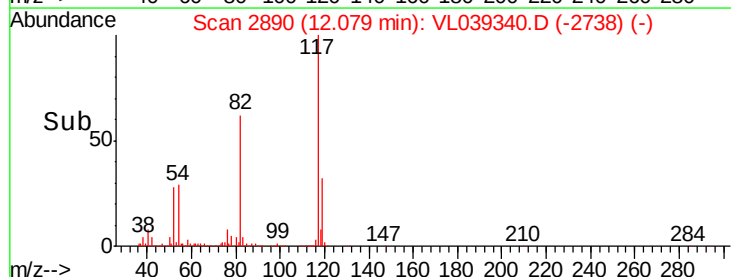
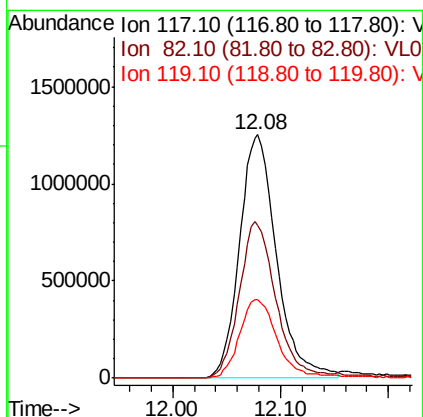
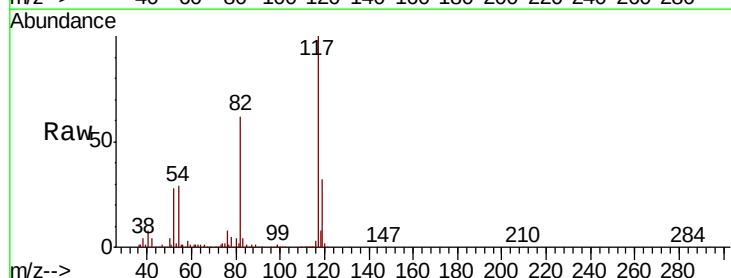
#39
 1,2-Dichloropropane
 Concen: 7.670 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 SV-1-20220622DL
 Acq: 24 Jun 2022 14:23

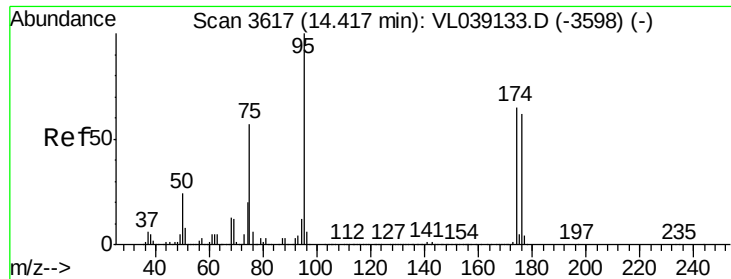
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	15.8	52.9	79.3#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min Scan# 2890
 Delta R.T. -0.01 min
 Lab File: VL039340.D
 Acq: 24 Jun 2022 14:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.5	55.1	82.7
119	34.3	24.7	37.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.013 ppbv

RT: 14.41 Instrument:

Delta R.T MSVOA_L

Lab File: ClientSampleId:

SV-1-20220622DL

Acq: 24 Jun 2022 14.25

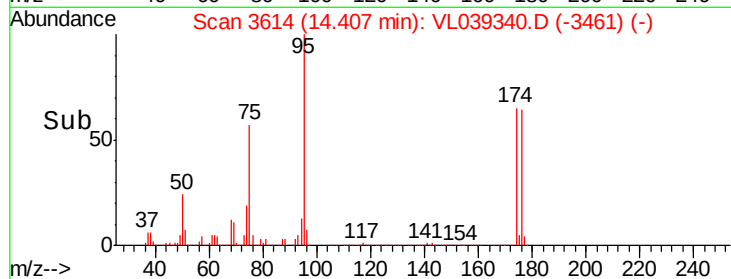
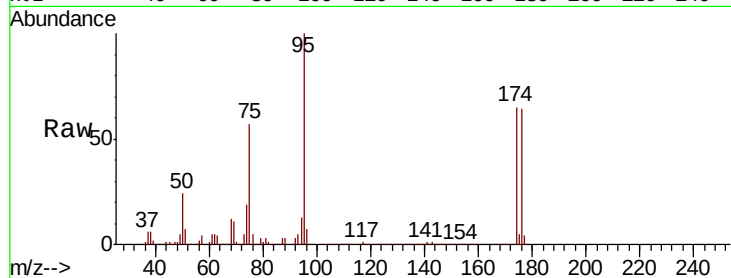
Tot Ion: 95 Resp: 2225457

Ion Ratio Lower Upper

95 100

174 71.4 53.8 80.8

175 5.4 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

