

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062722\
 Data File : VL039391.D
 Acq On : 28 Jun 2022 13:09
 Operator : SY/AP
 Sample : N3508-03DL 100X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-9-20220624DL

Quant Time: Jun 29 06:04:39 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	5.65	49	1079497	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2967073	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2592047	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1833370	8.56	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.60%

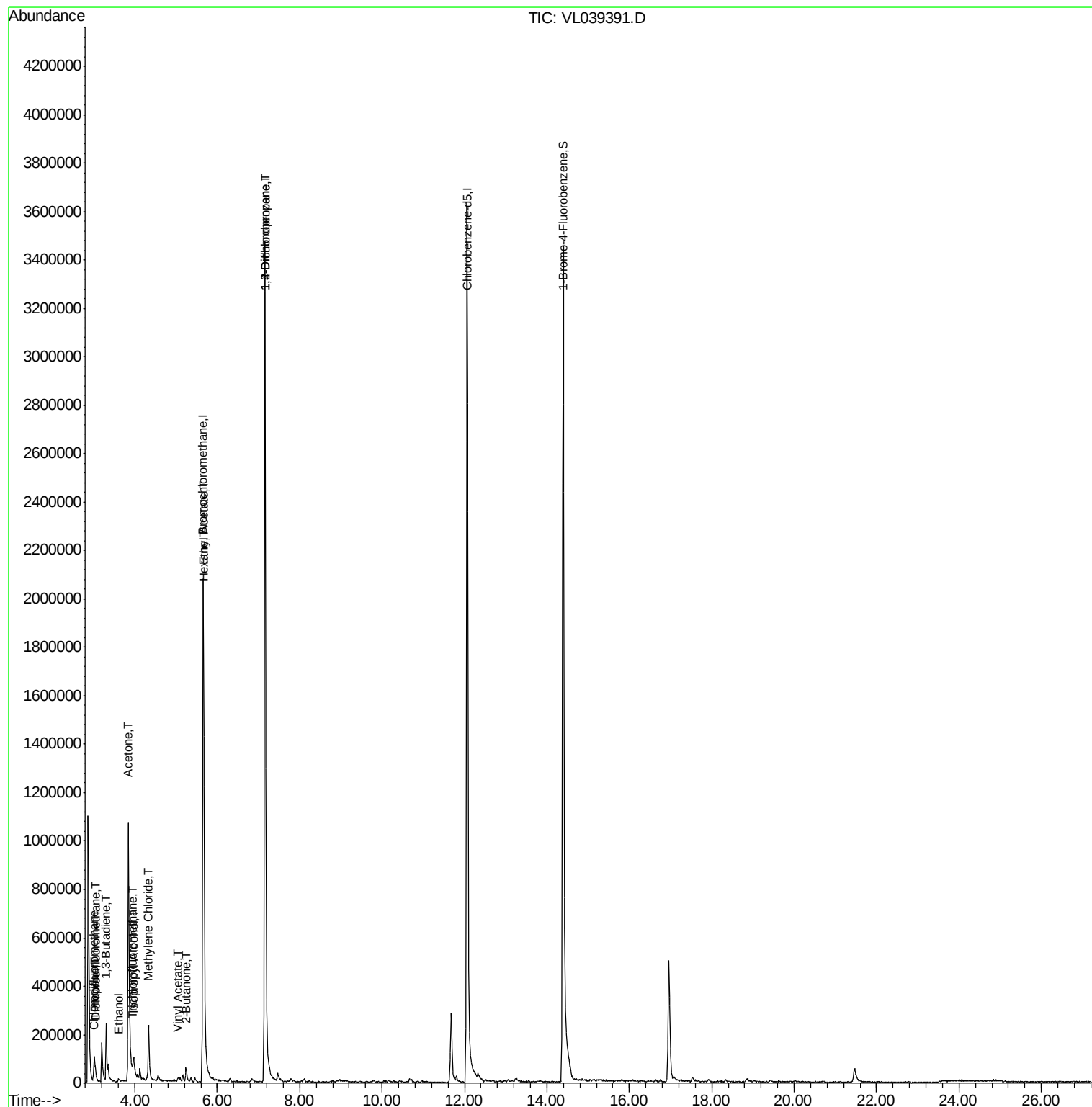
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	36873	0.194	ppbv	96
3) Chlorodifluoromethane	2.98	51	8786	0.064	ppbv	94
9) Propene	3.01	41	40975	0.684	ppbv	94
11) Trichlorofluoromethane	3.94	101	11823	0.069	ppbv	88
13) Ethanol	3.60	45	4645	1.422	ppbv #	100
15) Acetone	3.84	43	1517770	13.497	ppbv	98
16) 1,3-Butadiene	3.30	39	69021	1.142	ppbv #	19
19) Isopropyl Alcohol	3.97	45	76171	1.444	ppbv #	93
20) Methylene Chloride	4.33	84	84616	1.786	ppbv	90
23) Vinyl Acetate	5.06	43	3034	0.033	ppbv #	85
25) Ethyl Acetate	5.67	43	221589	0.874	ppbv #	76
26) Hexane	5.67	57	321890	2.890	ppbv #	39
34) 2-Butanone	5.24	43	58973	0.366	ppbv #	75
39) 1,2-Dichloropropane	7.16	63	715420	7.467	ppbv #	24

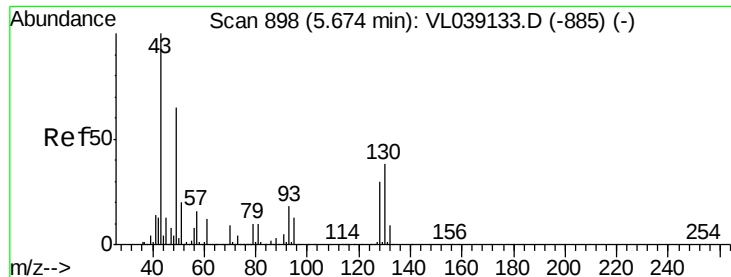
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062722\
Data File : VL039391.D
Acq On : 28 Jun 2022 13:09
Operator : SY/AP
Sample : N3508-03DL 100X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-9-20220624DL

Quant Time: Jun 29 06:04:39 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: 5.65 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 28 Jun 2022 13:09 SV-9-20220624DL

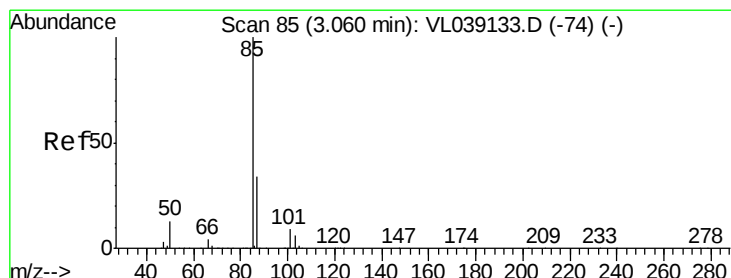
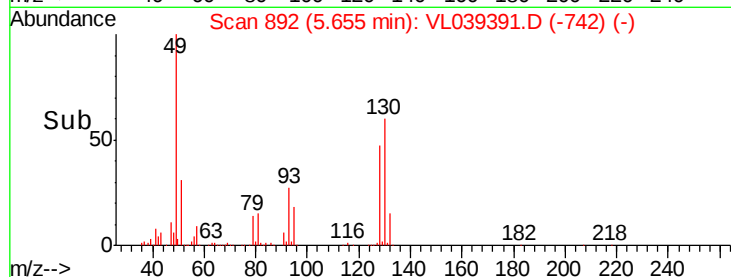
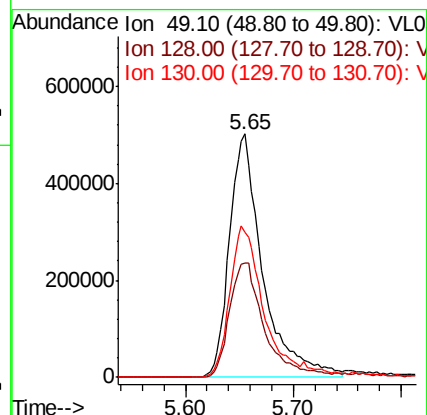
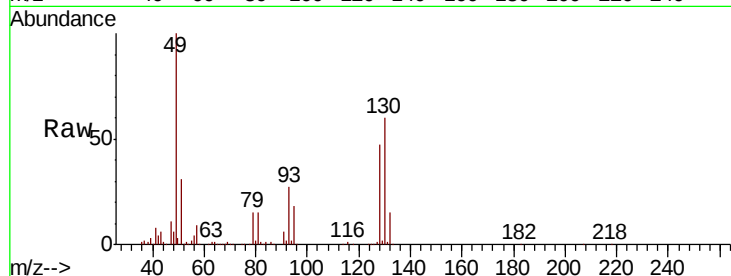
Tot Ion: 49 Resp: 1079497

Ion Ratio Lower Upper

49 100

128 52.2 24.7 74.1

130 67.3 31.4 94.0



#2

Dichlorodifluoromethane

Concen: 0.194 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.02 min

Lab File: VL039391.D

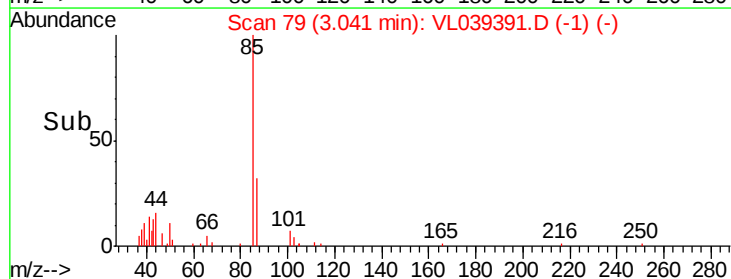
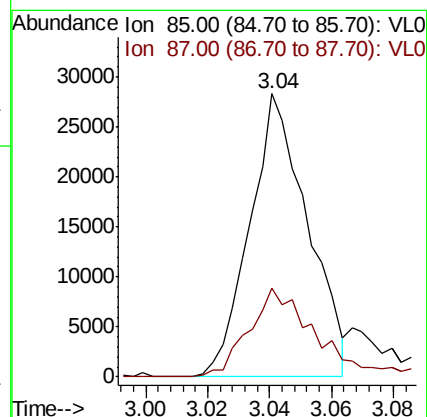
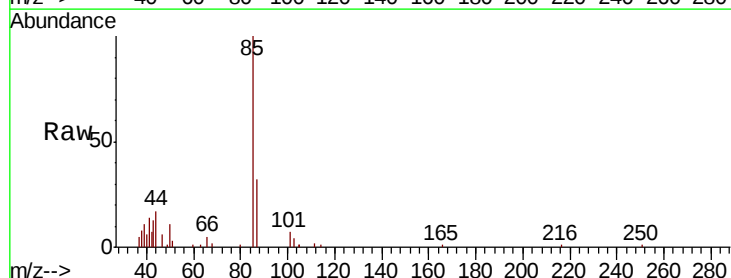
Acq: 28 Jun 2022 13:09

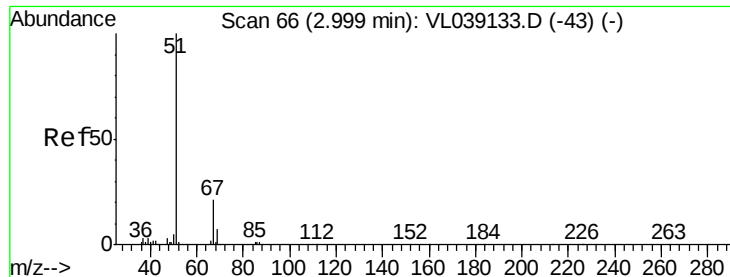
Tgt Ion: 85 Resp: 36873

Ion Ratio Lower Upper

85 100

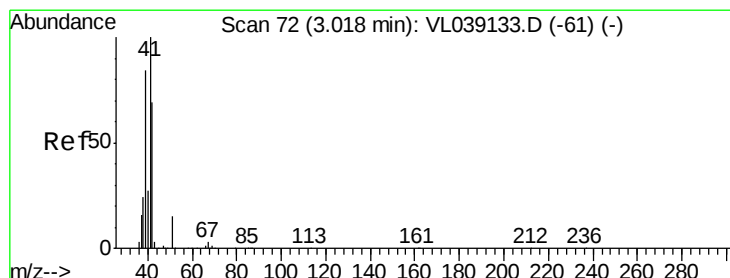
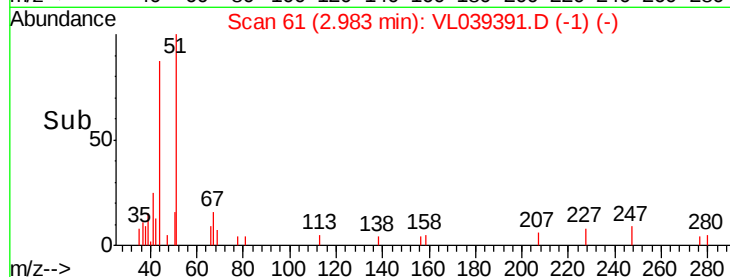
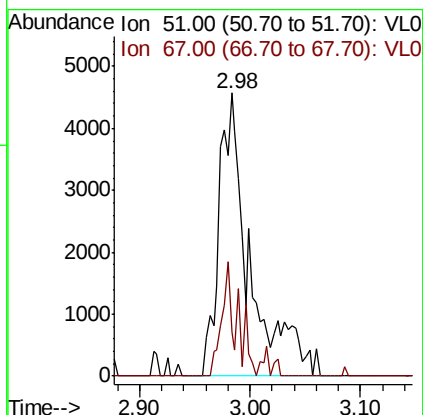
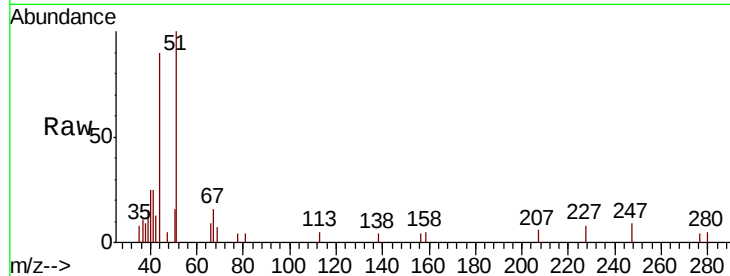
87 31.5 26.9 40.3





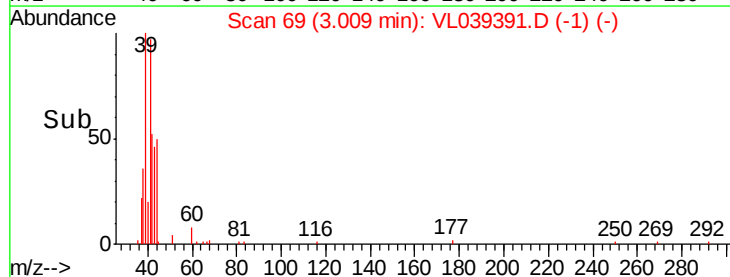
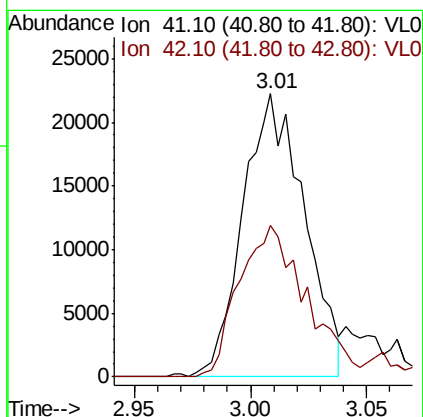
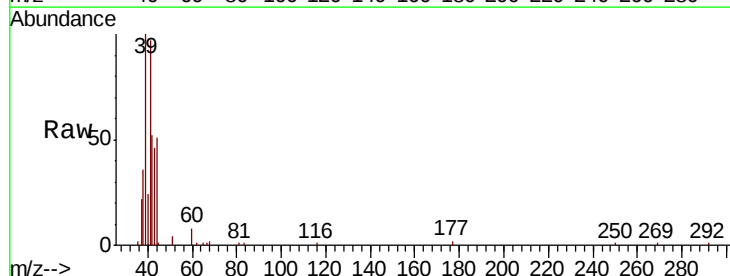
#3
 Chlorodifluoromethane
 Concen: 0.064 ppbv
 RT: 2.98
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : SV-9-20220624DL
 Acq: 28 Jun 2022 13:09

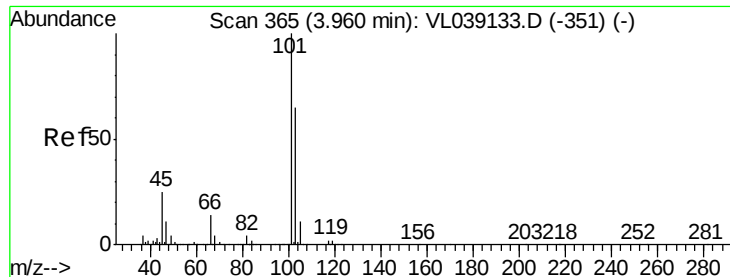
Tot Ion: 51 Resp: 8786
 Ion Ratio Lower Upper
 51 100
 67 23.1 16.2 24.4



#9
 Propene
 Concen: 0.684 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T.: -0.01 min
 Lab File: VL039391.D
 Acq: 28 Jun 2022 13:09

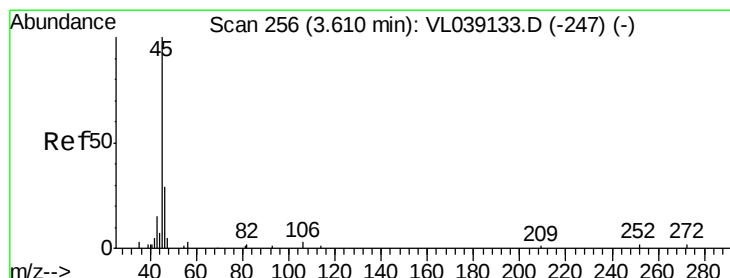
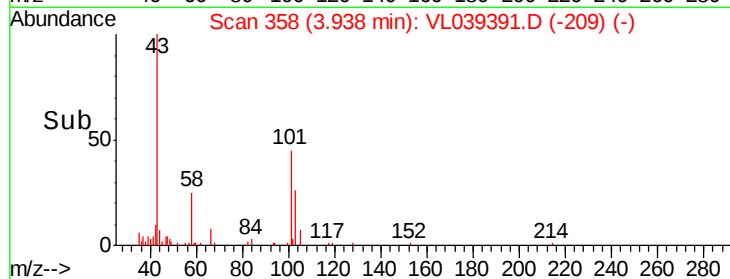
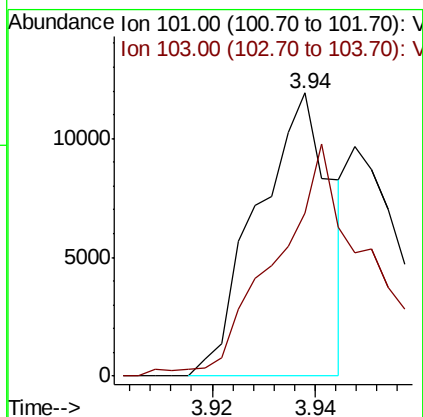
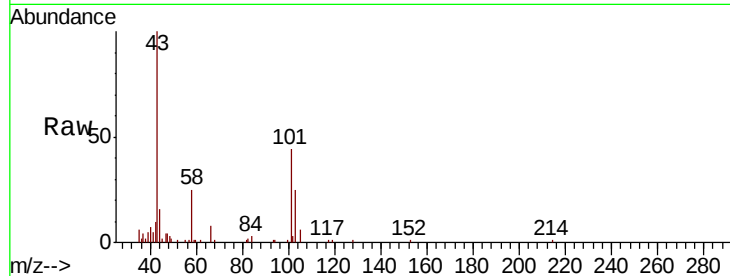
Tgt Ion: 41 Resp: 40975
 Ion Ratio Lower Upper
 41 100
 42 64.4 55.4 83.2





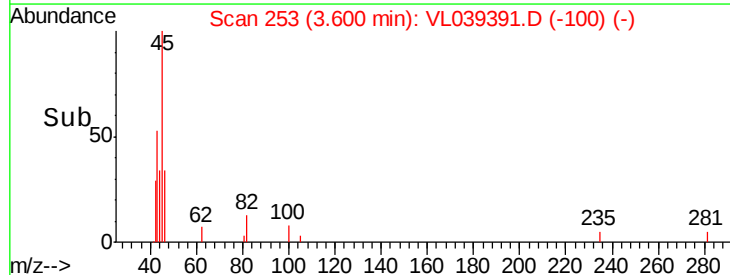
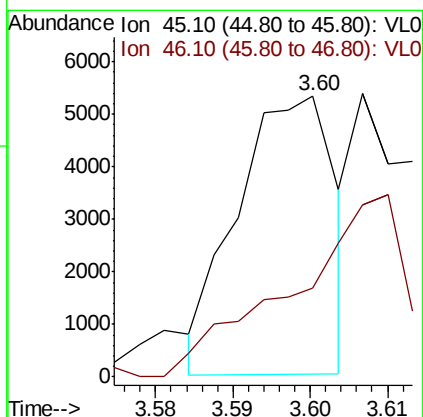
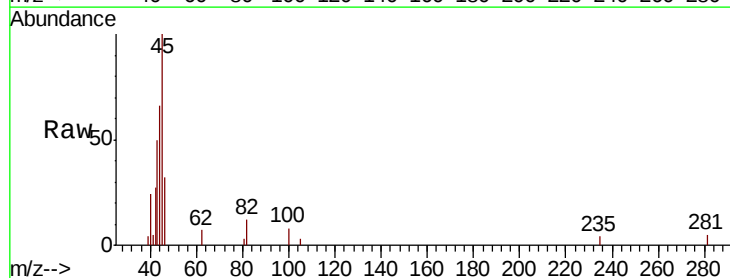
#11
 Trichlorofluoromethane
 Concen: 0.069 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV-9-20220624DL
 Acq: 28 Jun 2022 13:09

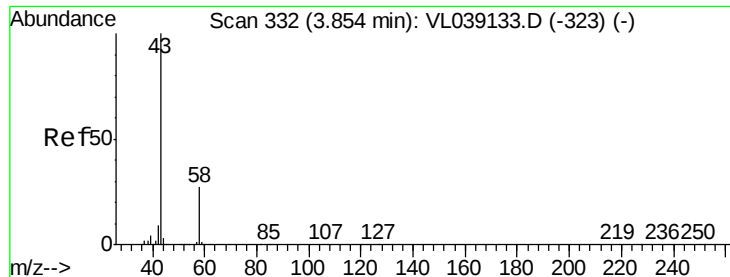
Tot Ion:101 Resp: 11823
 Ion Ratio Lower Upper
 101 100
 103 54.9 51.7 77.5



#13
 Ethanol
 Concen: 1.422 ppbv
 RT: 3.60 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VL039391.D
 Acq: 28 Jun 2022 13:09

Tgt Ion: 45 Resp: 4645
 Ion Ratio Lower Upper
 45 100
 46 0.0 0.0 0.0





#15

Acetone

Concen: 13.497 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

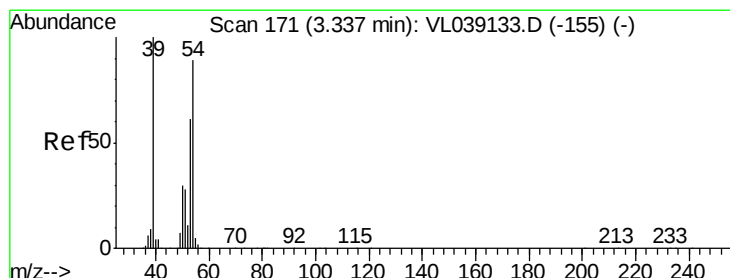
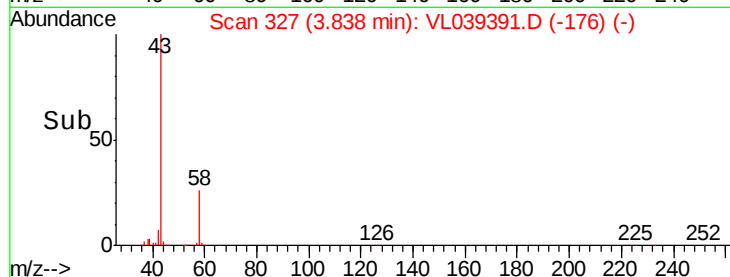
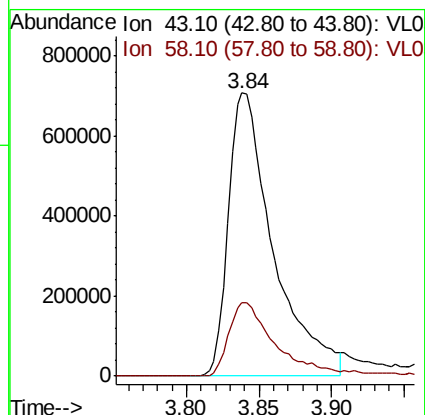
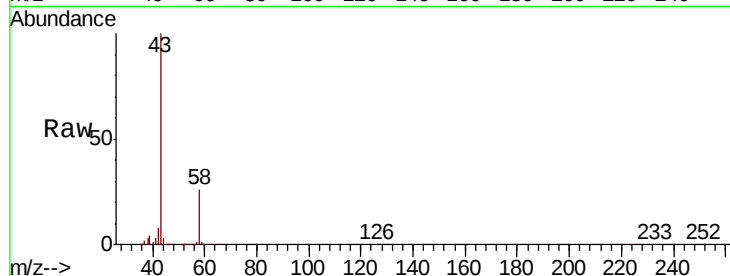
Acq: 28 Jun 2022 13:09 SV-9-20220624DL

Tot Ion: 43 Resp: 1517770

Ion Ratio Lower Upper

43 100

58 29.0 22.5 33.7



#16

1,3-Butadiene

Concen: 1.142 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.04 min

Lab File: VL039391.D

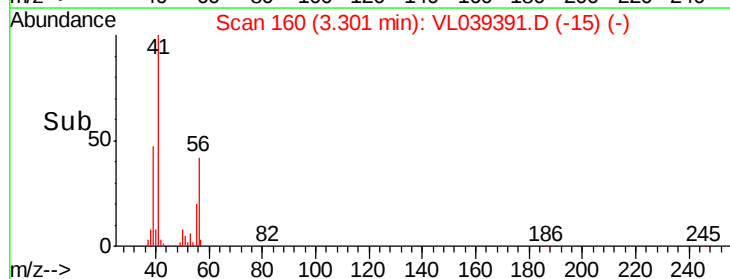
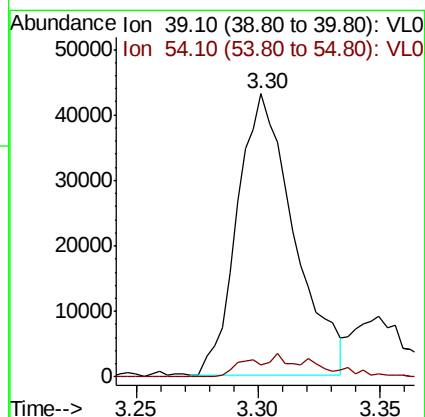
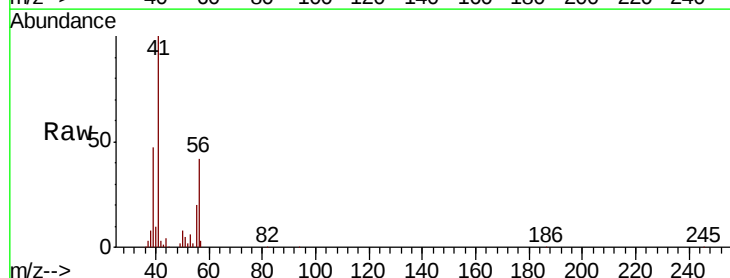
Acq: 28 Jun 2022 13:09

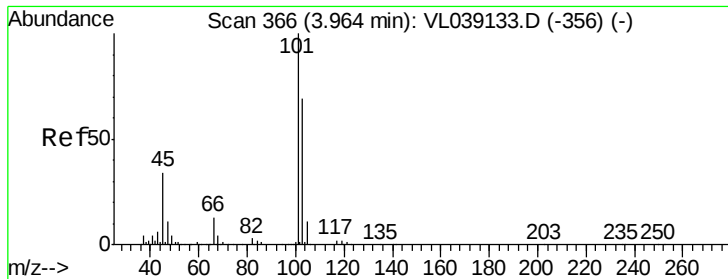
Tgt Ion: 39 Resp: 69021

Ion Ratio Lower Upper

39 100

54 9.9 65.8 98.6#





#19

Isopropyl Alcohol

Concen: 1.444 ppbv

RT: 3.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

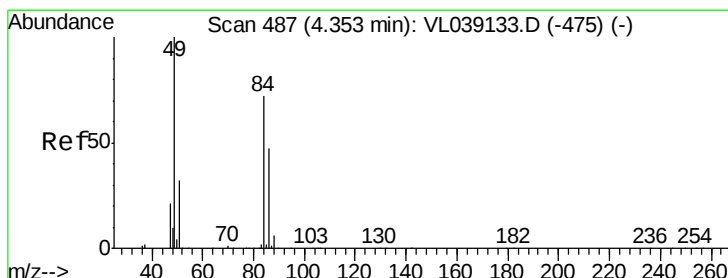
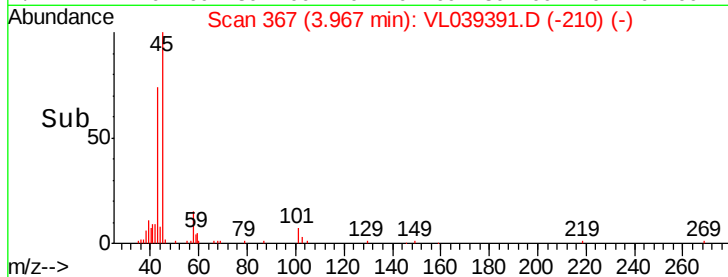
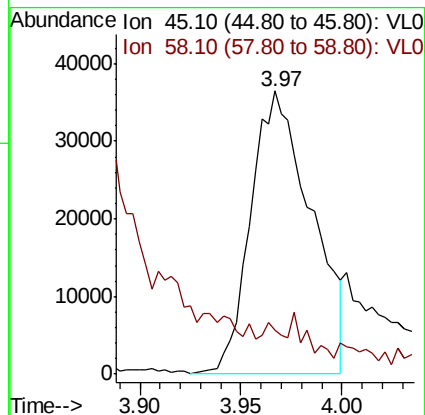
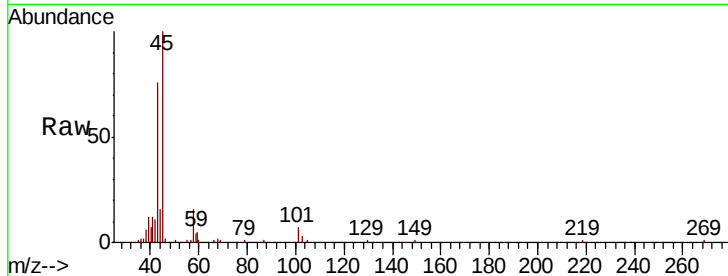
Acq: 28 Jun 2022 13:09

Tot Ion: 45 Resp: 76171

Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.8#



#20

Methylene Chloride

Concen: 1.786 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL039391.D

Acq: 28 Jun 2022 13:09

Tgt Ion: 84 Resp: 84616

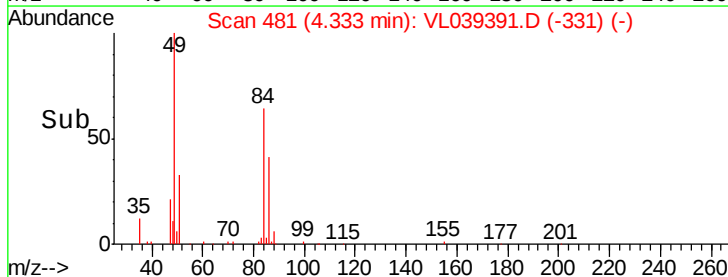
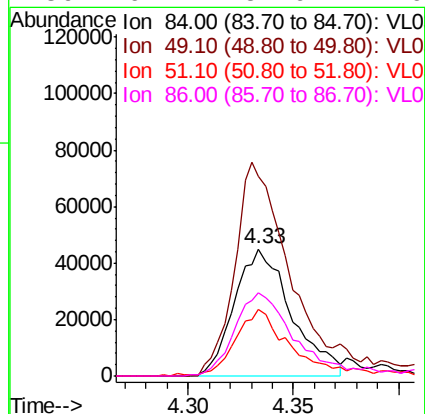
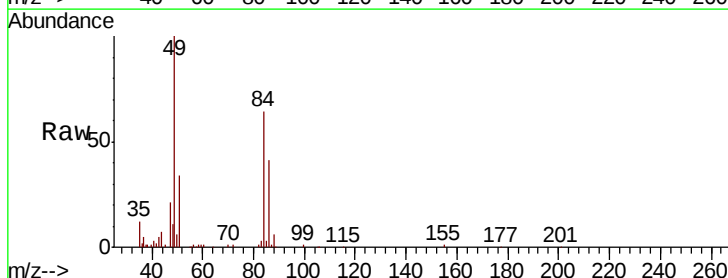
Ion Ratio Lower Upper

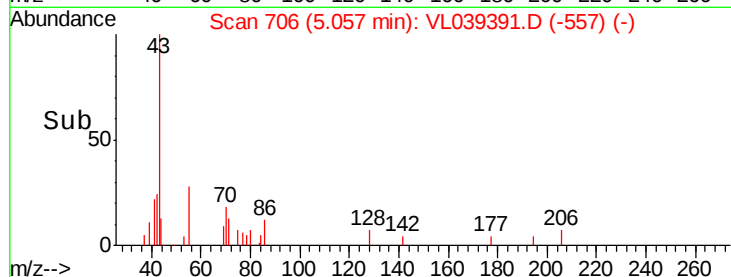
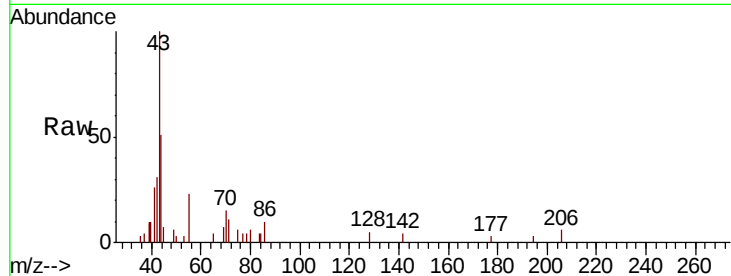
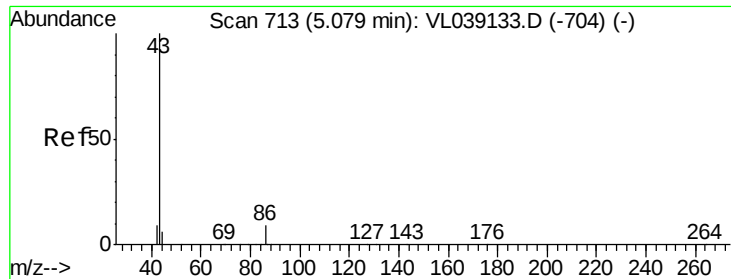
84 100

49 155.5 111.1 166.7

51 52.3 35.3 52.9

86 64.7 51.9 77.9





#23

Vinyl Acetate

Concen: 0.033 ppbv

RT: 5.06 Instrument: MSVOA_1

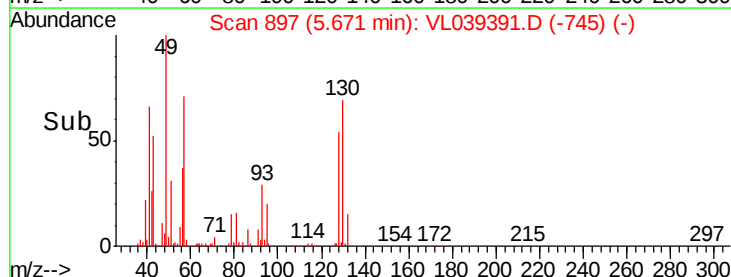
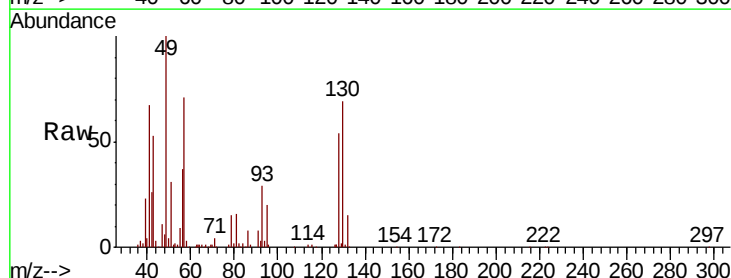
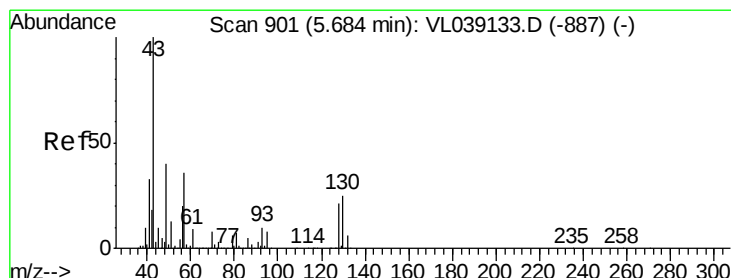
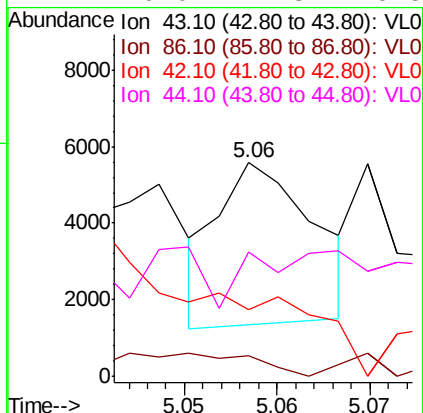
Delta R.T.

Lab File: ClientSampleId: SV-9-20220624DL

Acq: 28 Jun 2022 13:09

Tot Ion: 43 Resp: 3034

Ion	Ratio	Lower	Upper
43	100		
86	12.8	6.0	9.0#
42	15.6	8.2	12.4#
44	0.0	4.3	6.5#



#25

Ethyl Acetate

Concen: 0.874 ppbv

RT: 5.67 min Scan# 897

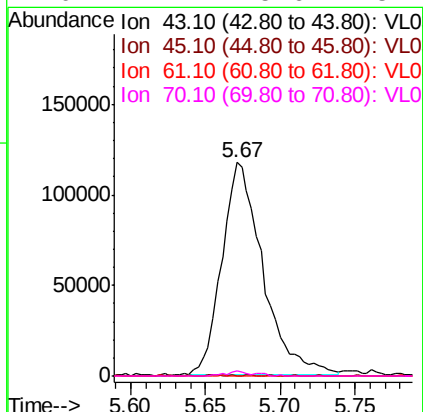
Delta R.T. -0.01 min

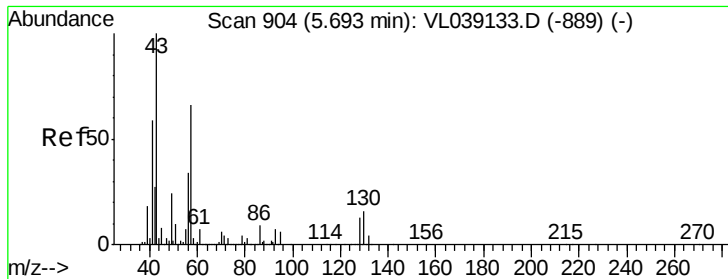
Lab File: VL039391.D

Acq: 28 Jun 2022 13:09

Tgt Ion: 43 Resp: 221589

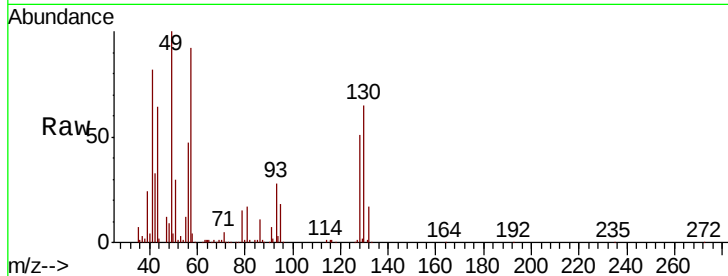
Ion	Ratio	Lower	Upper
43	100		
45	0.7	8.2	12.2#
61	0.1	8.4	12.6#
70	1.7	5.6	8.4#



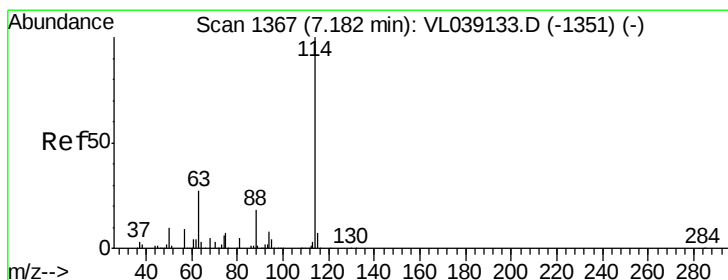
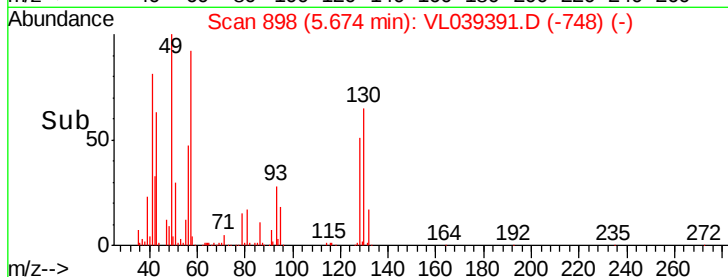
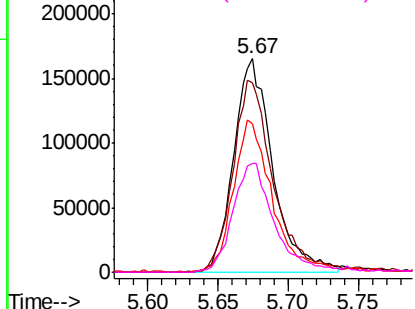


#26
Hexane
Concen: 2.890 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Jun 2022 13:09 SV-9-20220624DL

Tot Ion: 57 Resp: 321890
Ion Ratio Lower Upper
57 100
41 93.3 72.4 108.6
43 72.8 187.0 280.6#
56 54.8 41.8 62.6

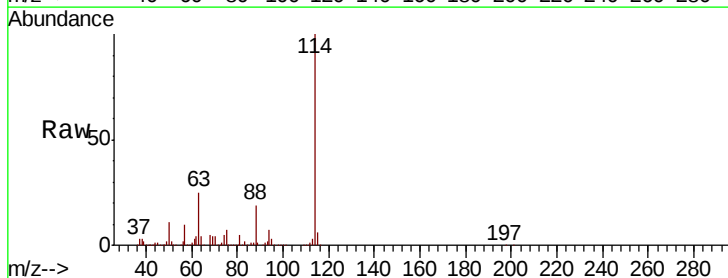


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

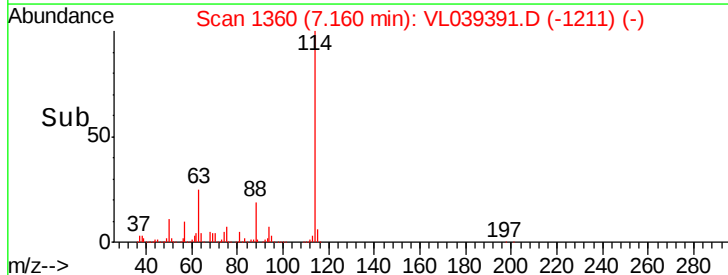
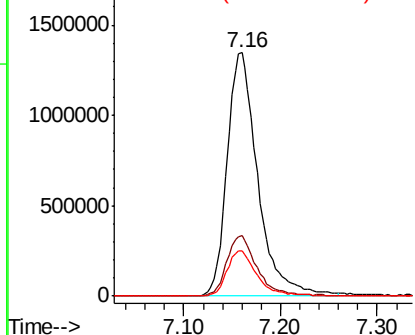


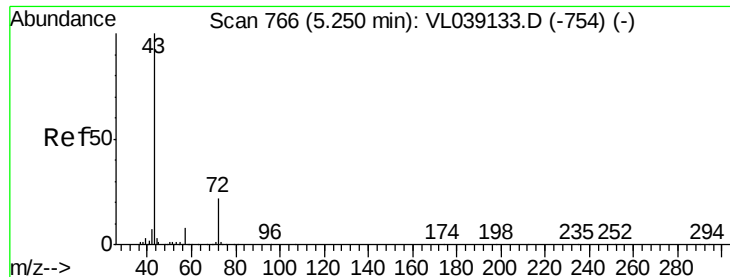
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.02 min
Lab File: VL039391.D
Acq: 28 Jun 2022 13:09

Tgt Ion: 114 Resp: 2967073
Ion Ratio Lower Upper
114 100
63 24.7 21.7 32.5
88 18.4 14.8 22.2



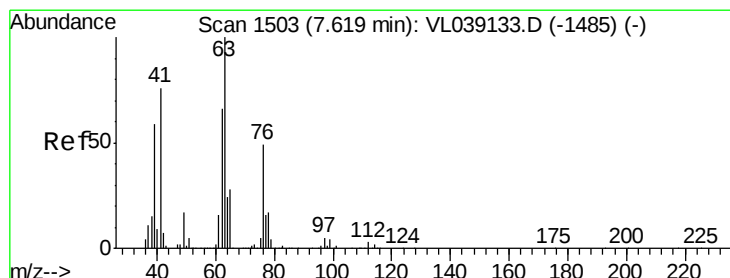
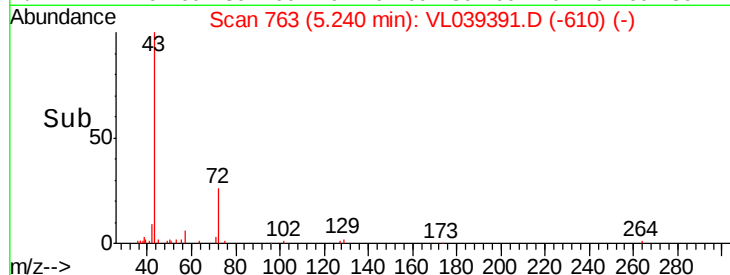
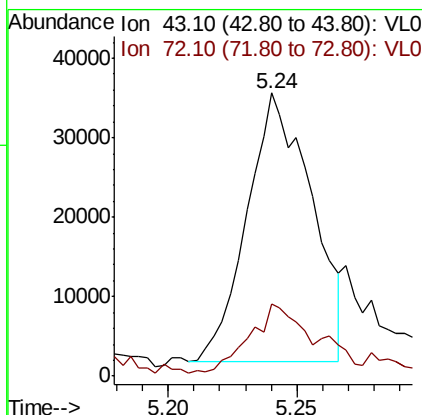
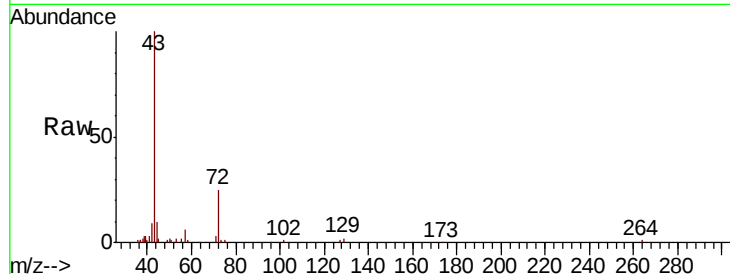
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





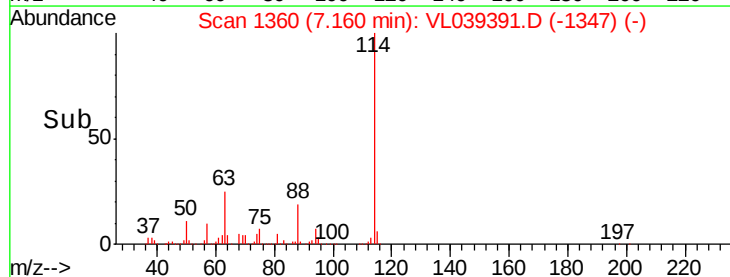
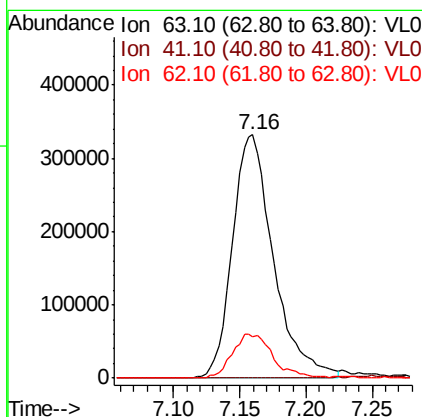
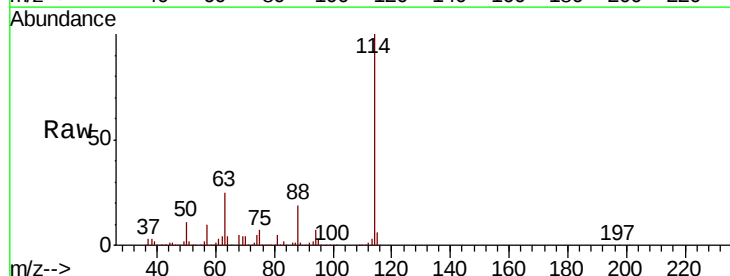
#34
 2-Butanone
 Concen: 0.366 ppbv
 RT: 5.24
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV-9-20220624DL
 Acq: 28 Jun 2022 13:09

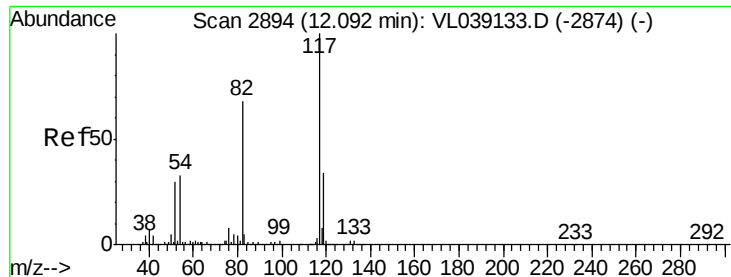
Tot Ion: 43 Resp: 58973
 Ion Ratio Lower Upper
 43 100
 72 34.9 18.2 27.2#



#39
 1,2-Dichloropropane
 Concen: 7.467 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.46 min
 Lab File: VL039391.D
 Acq: 28 Jun 2022 13:09

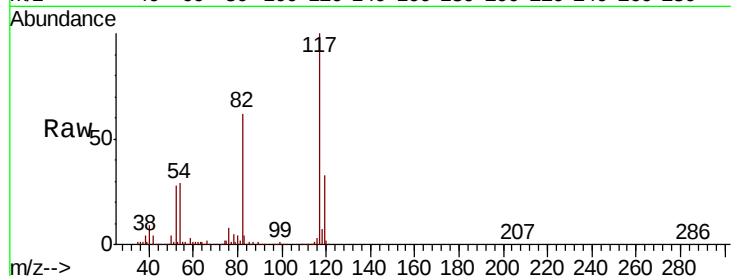
Tgt Ion: 63 Resp: 715420
 Ion Ratio Lower Upper
 63 100
 41 0.0 60.8 91.2#
 62 17.2 52.9 79.3#



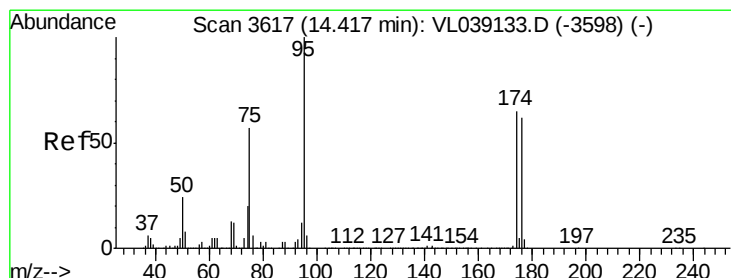
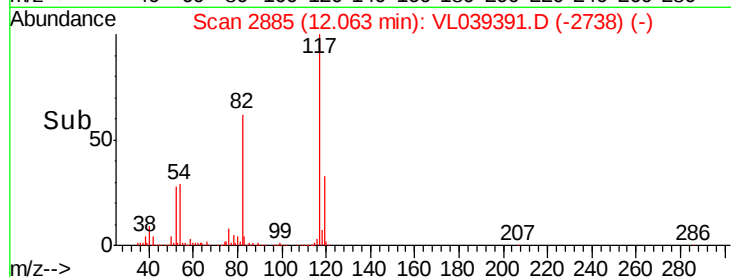
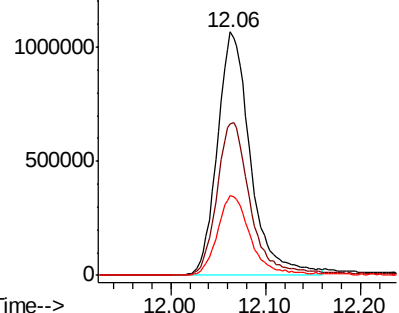


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : SV-9-20220624DL
Acq: 28 Jun 2022 13:09

Tot Ion: 117 Resp: 2592047
Ion Ratio Lower Upper
117 100
82 64.0 55.1 82.7
119 33.4 24.7 37.1

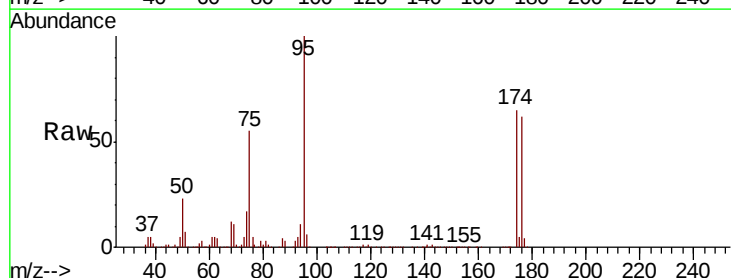


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 8.555 ppbv
RT: 14.39 min Scan# 3610
Delta R.T.: -0.02 min
Lab File: VL039391.D
Acq: 28 Jun 2022 13:09

Tgt Ion: 95 Resp: 1833370
Ion Ratio Lower Upper
95 100
174 73.3 53.8 80.8
175 5.1 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

