

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071922\
 Data File : VL039484.D
 Acq On : 19 Jul 2022 16:02
 Operator : SY/AP
 Sample : N3719-01DL 20X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-8DL

Quant Time: Jul 20 05:38:44 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1245623	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3527807	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3062721	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2392025	10.53	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.30%

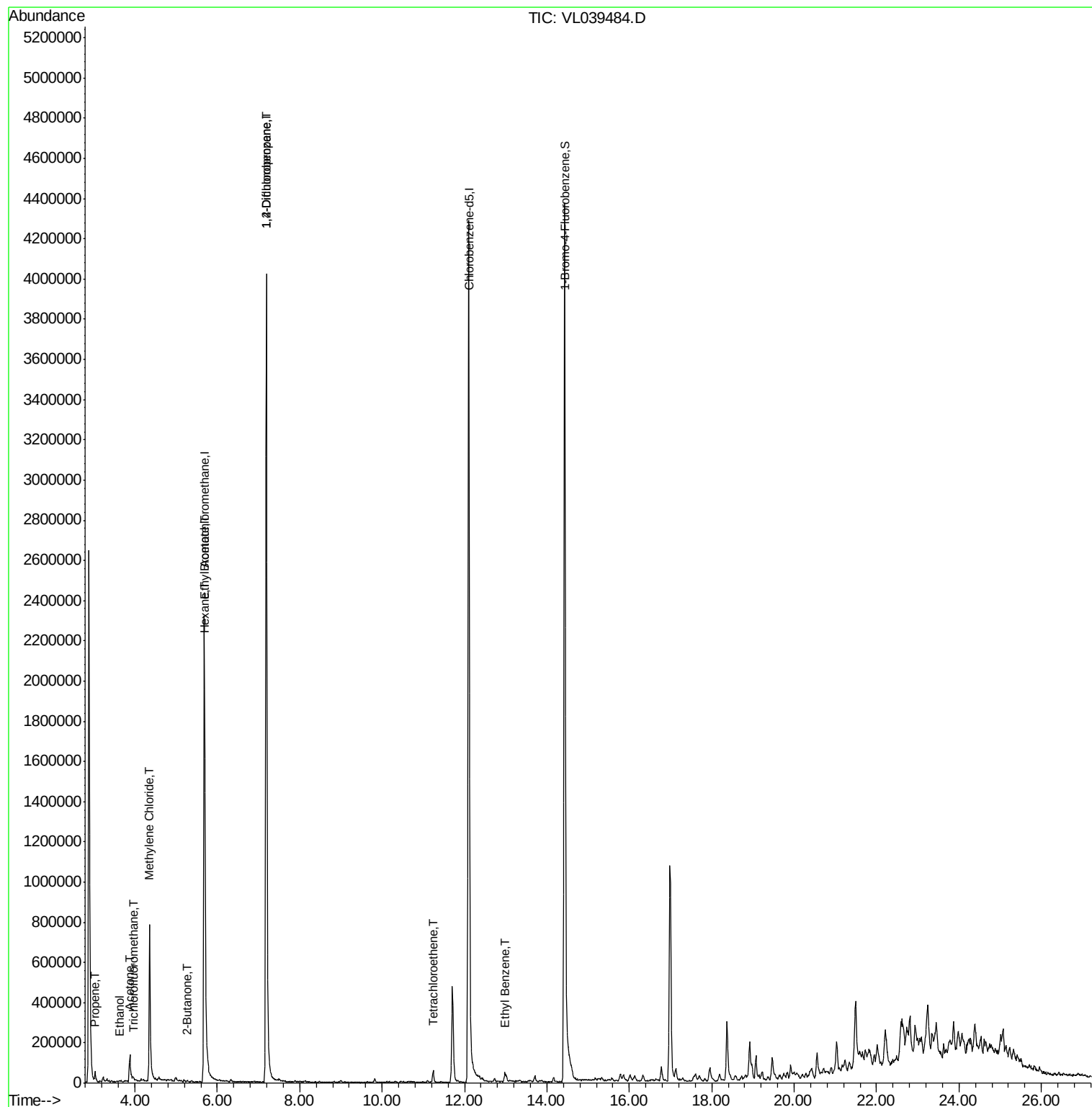
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	15310	0.215	ppbv #	82
11) Trichlorofluoromethane	3.96	101	6496	0.032	ppbv #	74
13) Ethanol	3.61	45	825	0.199	ppbv #	23
15) Acetone	3.87	43	70726	0.480	ppbv #	9
20) Methylene Chloride	4.36	84	323133	5.501	ppbv	98
25) Ethyl Acetate	5.70	43	168450	0.557	ppbv #	75
26) Hexane	5.70	57	242506	1.991	ppbv #	40
34) 2-Butanone	5.28	43	5514	0.031	ppbv #	20
39) 1,2-Dichloropropane	7.19	63	852145	8.354	ppbv #	26
52) Tetrachloroethene	11.24	164	13215	0.120	ppbv #	58
58) Ethyl Benzene	12.98	91	14005	0.035	ppbv	100

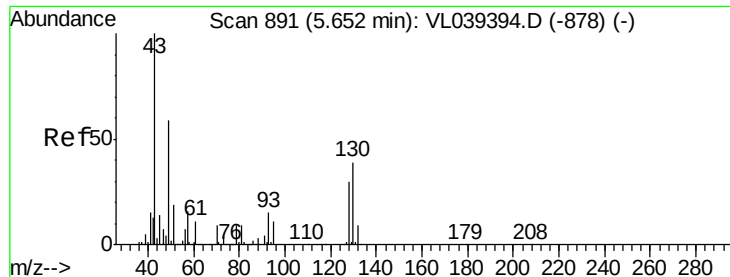
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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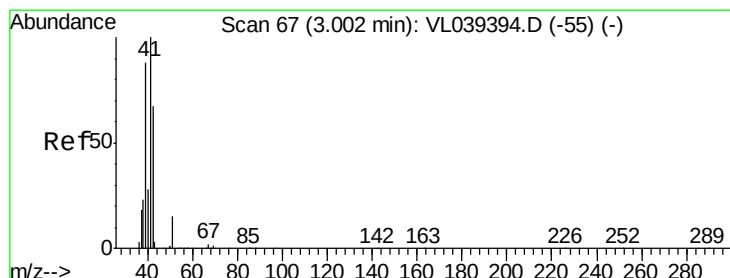
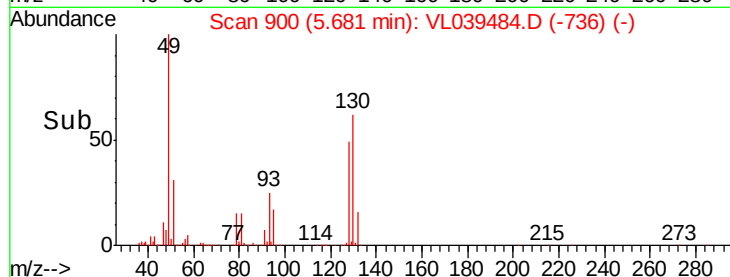
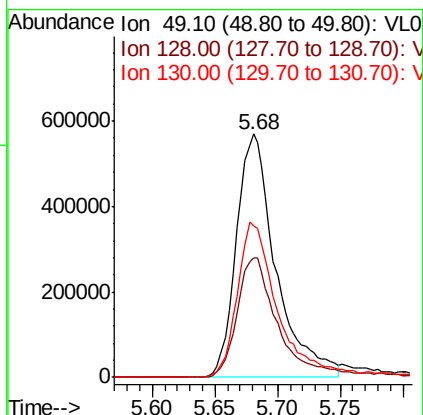
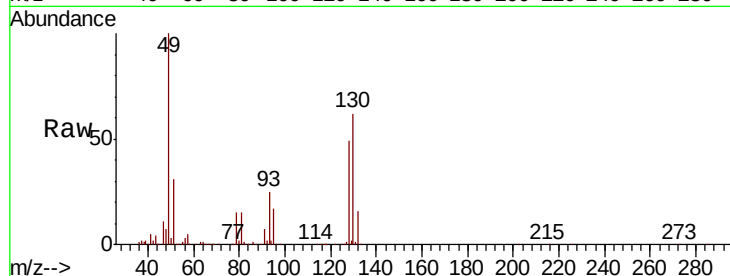
Quant Time: Jul 20 05:38:44 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
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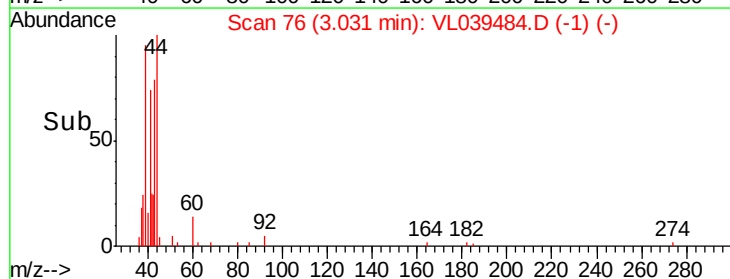
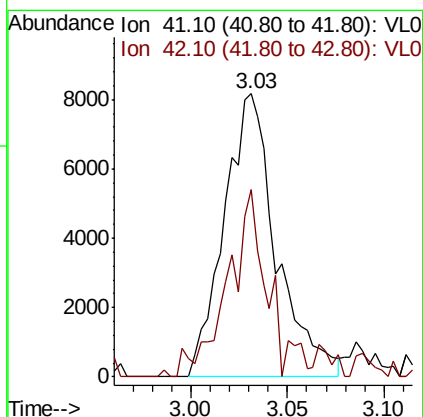
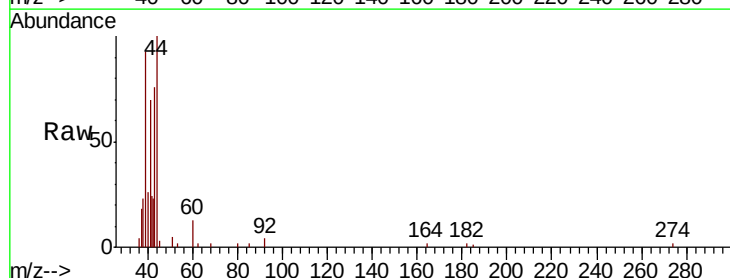
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 19 Jul 2022 16:02

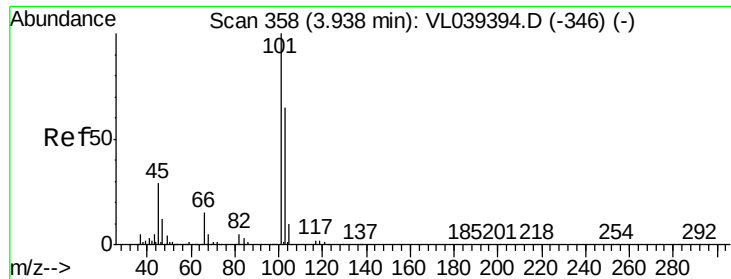
Tot Ion: 49 Resp: 1245623
 Ion Ratio Lower Upper
 49 100
 128 52.7 26.7 80.0
 130 67.3 34.3 102.8



#9
 Propene
 Concen: 0.215 ppbv
 RT: 3.03 min Scan# 76
 Delta R.T.: 0.03 min
 Lab File: VL039484.D
 Acq: 19 Jul 2022 16:02

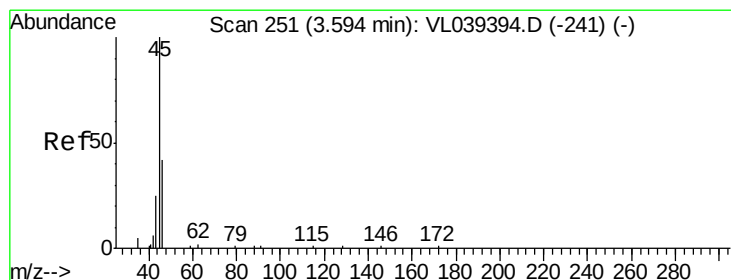
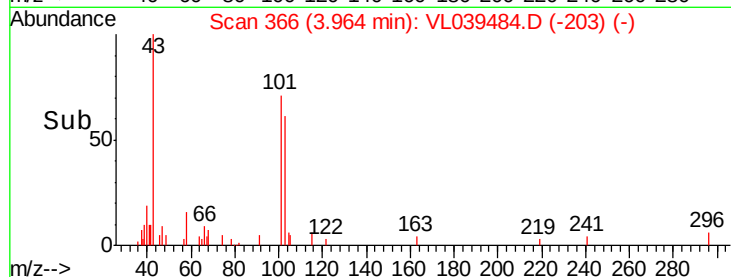
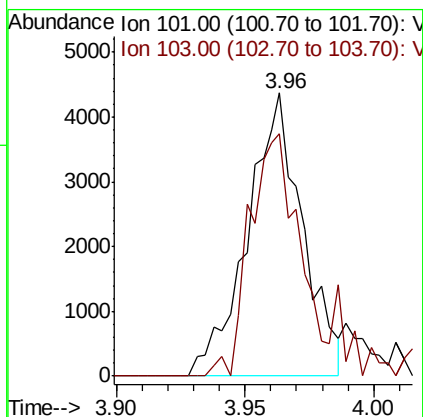
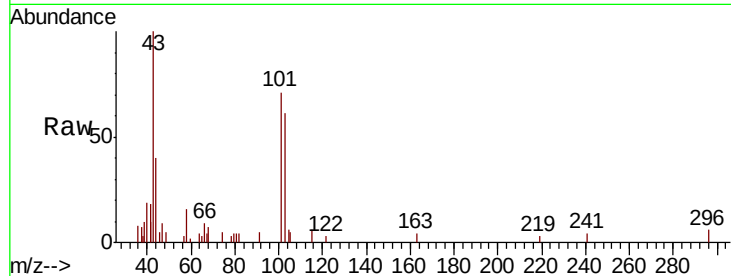
Tgt Ion: 41 Resp: 15310
 Ion Ratio Lower Upper
 41 100
 42 54.3 55.2 82.8#





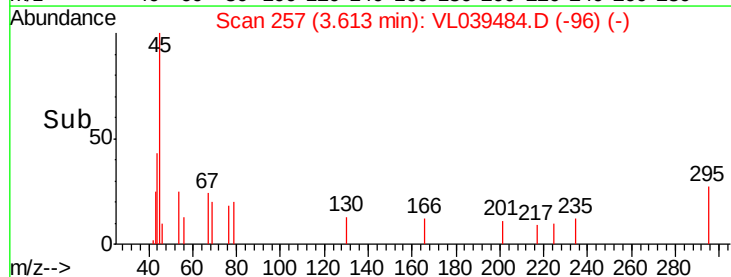
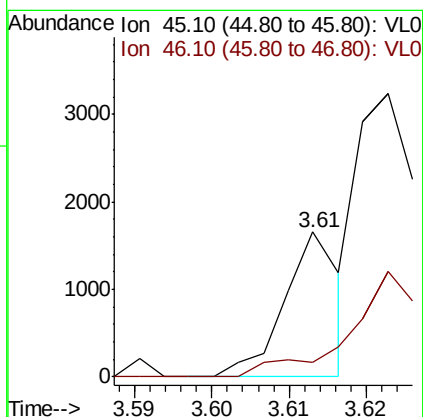
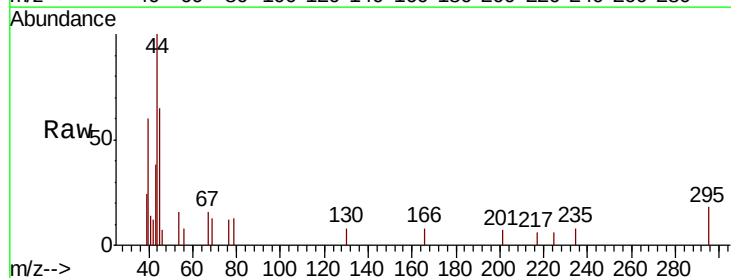
#11
 Trichlorofluoromethane
 Concen: 0.032 ppbv
 RT: 3.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 19 Jul 2022 16:02

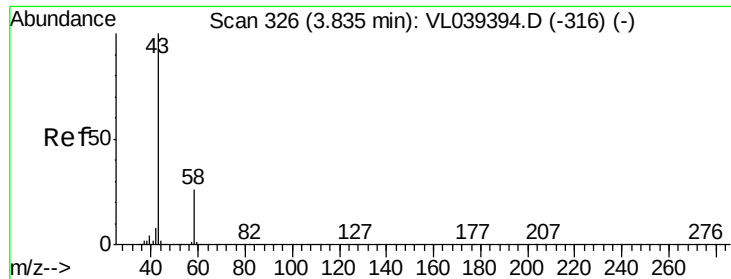
Tot Ion: 101 Resp: 6496
 Ion Ratio Lower Upper
 101 100
 103 85.6 51.8 77.8#



#13
 Ethanol
 Concen: 0.199 ppbv
 RT: 3.61 min Scan# 257
 Delta R.T. 0.02 min
 Lab File: VL039484.D
 Acq: 19 Jul 2022 16:02

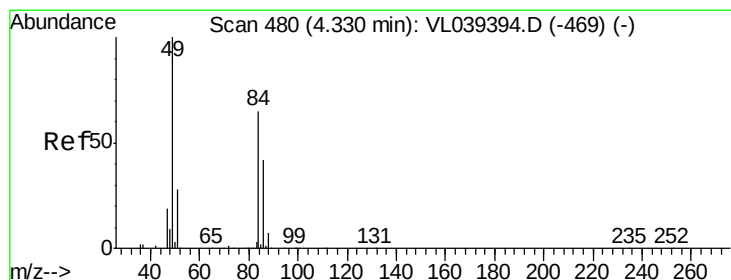
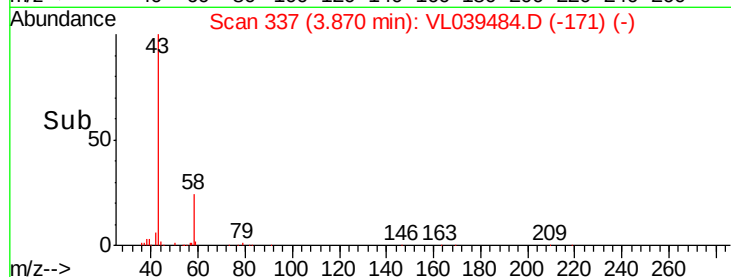
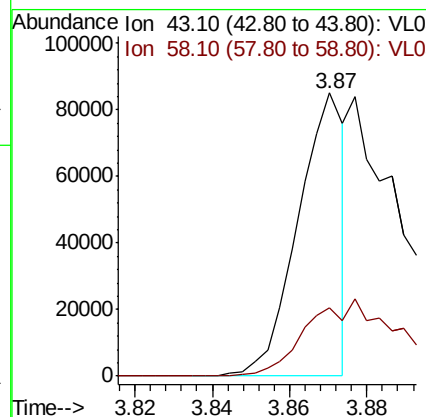
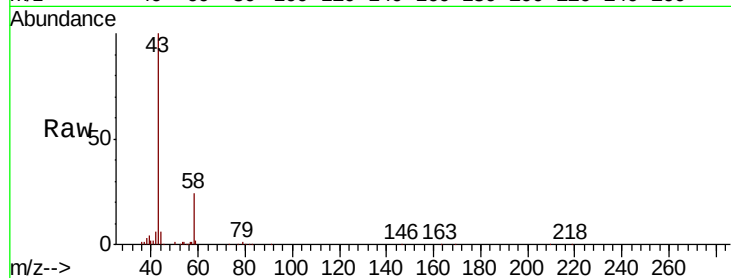
Tgt Ion: 45 Resp: 825
 Ion Ratio Lower Upper
 45 100
 46 0.0 22.8 91.2#





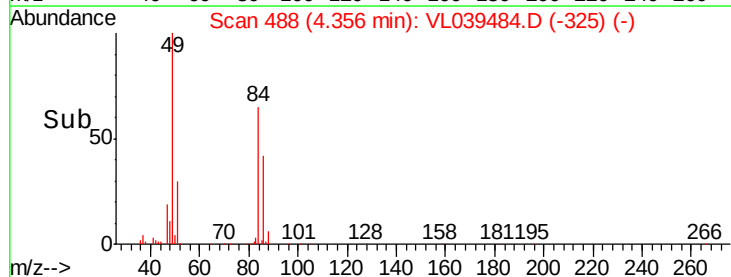
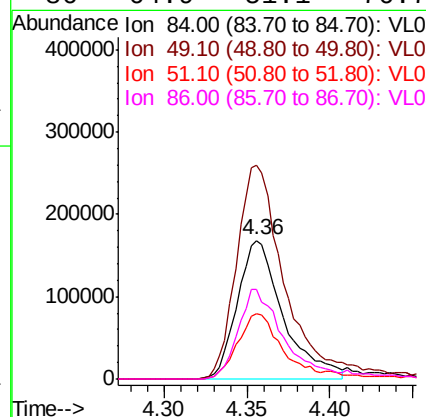
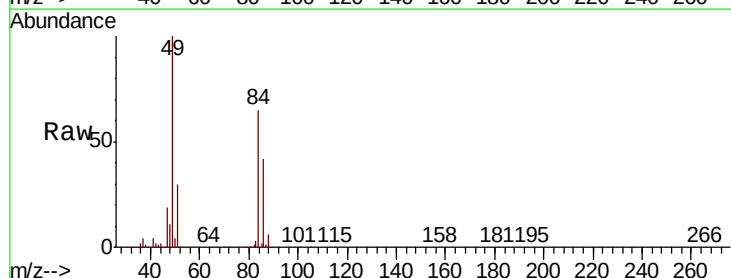
#15
Acetone
Concen: 0.480 ppbv
RT: 3.87
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Jul 2022 16:02

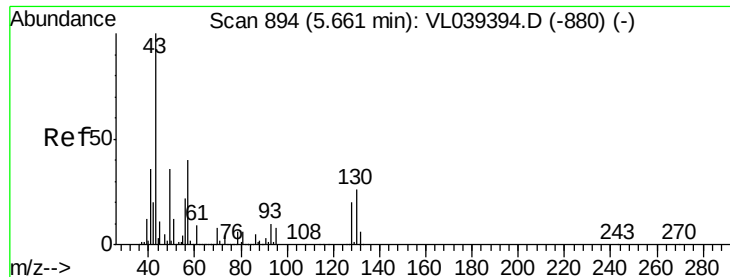
Tot Ion: 43 Resp: 70726
Ion Ratio Lower Upper
43 100
58 73.0 21.0 31.6#



#20
Methylene Chloride
Concen: 5.501 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.03 min
Lab File: VL039484.D
Acq: 19 Jul 2022 16:02

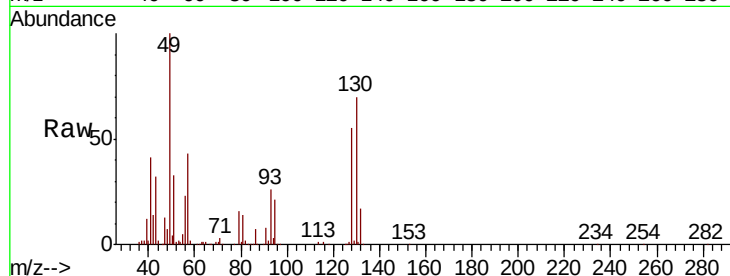
Tgt Ion: 84 Resp: 323133
Ion Ratio Lower Upper
84 100
49 153.8 123.1 184.7
51 47.7 34.4 51.6
86 64.9 51.1 76.7





#25
Ethyl Acetate
Concen: 0.557 ppbv
RT: 5.70 min
Delta R.T. 0.03 min
Lab File: VL039484.D
Acq: 19 Jul 2022 16:02

Tot Ion:	43	Resp:	168450
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.4#
61	0.1	8.3	12.5#
70	1.6	5.9	8.9#



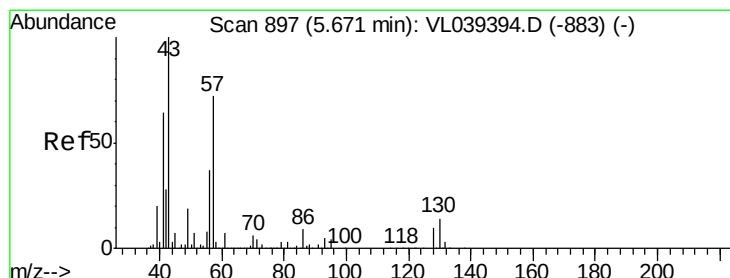
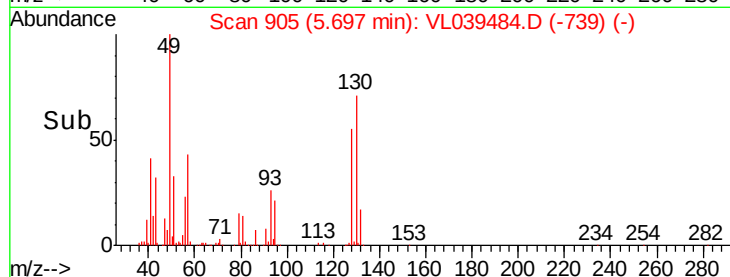
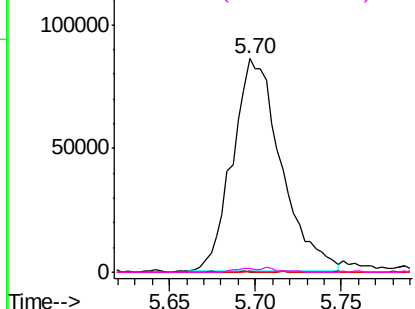
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

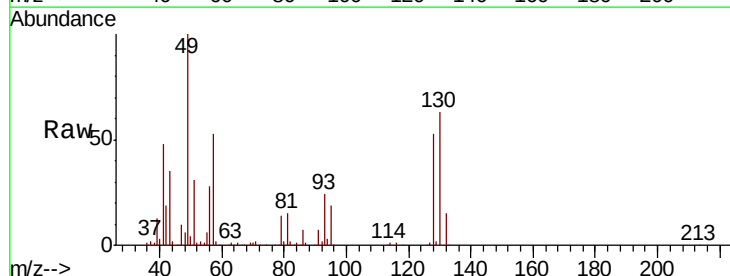
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 1.991 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL039484.D
Acq: 19 Jul 2022 16:02

Tgt Ion:	57	Resp:	242506
Ion	Ratio	Lower	Upper
57	100		
41	94.8	76.9	115.3
43	74.0	191.0	286.6#
56	54.8	43.2	64.8



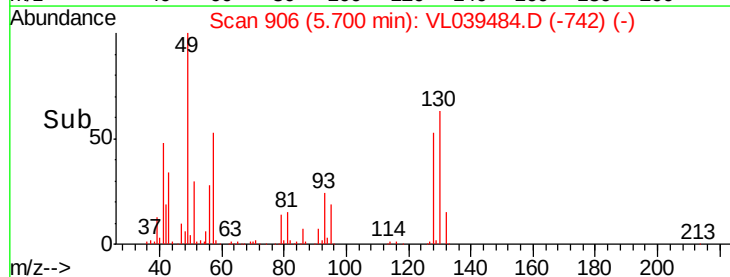
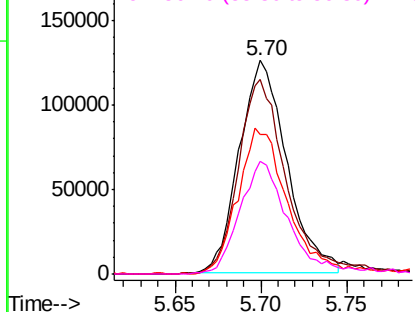
Abundance

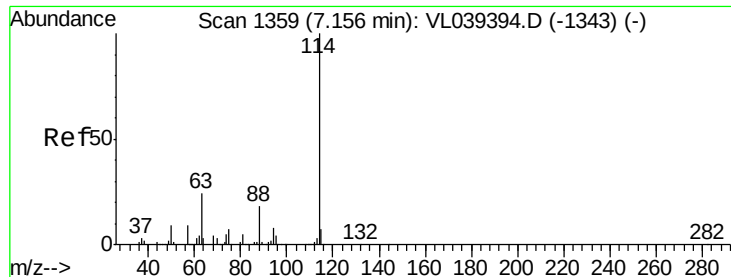
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

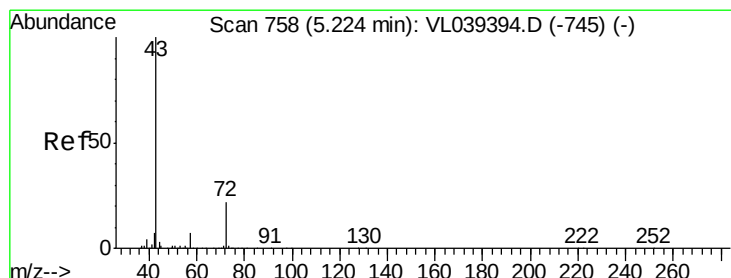
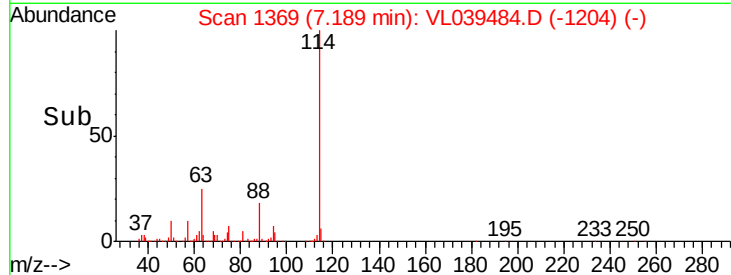
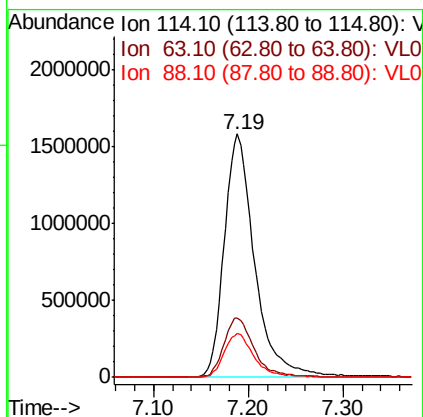
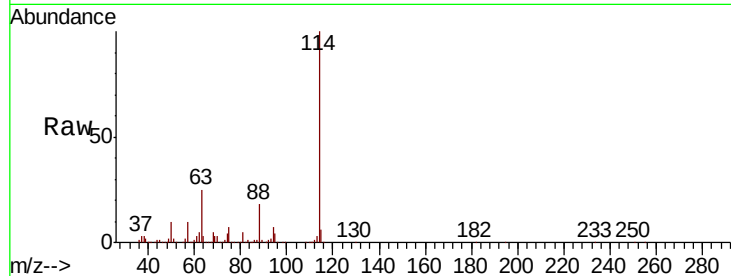
Ion 56.10 (55.80 to 56.80): VL0





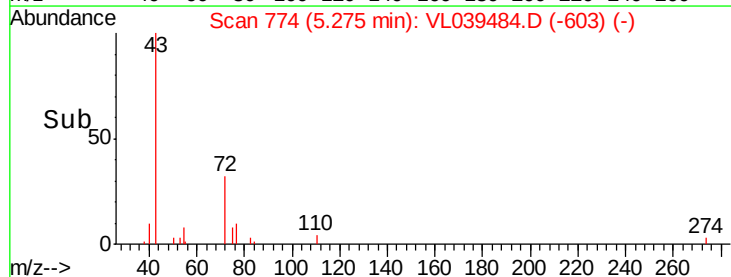
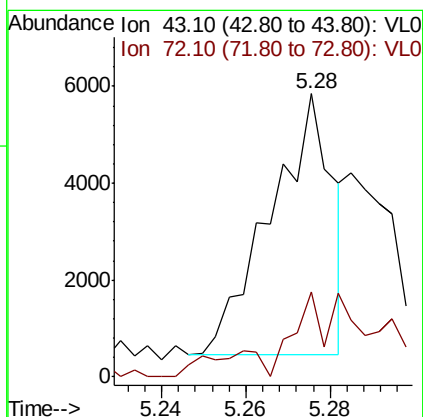
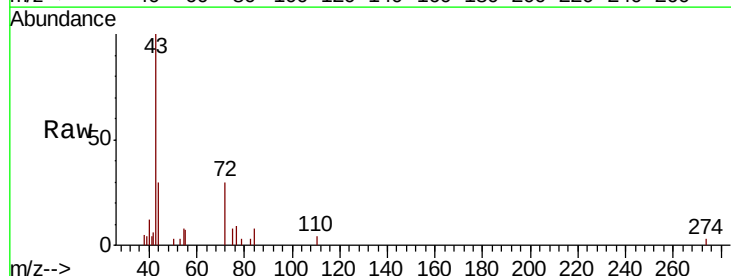
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 19 Jul 2022 16:02

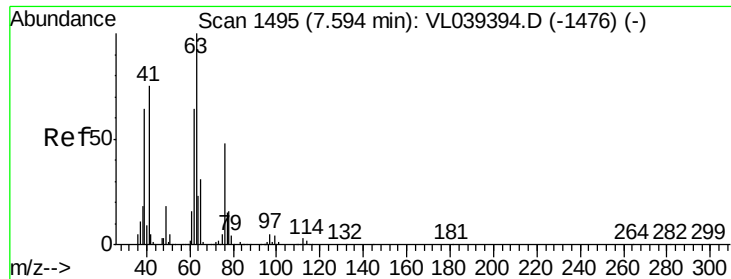
Tot Ion:114 Resp: 3527807
 Ion Ratio Lower Upper
 114 100
 63 24.8 20.2 30.4
 88 18.1 14.5 21.7



#34
 2-Butanone
 Concen: 0.031 ppbv
 RT: 5.28 min Scan# 774
 Delta R.T. 0.05 min
 Lab File: VL039484.D
 Acq: 19 Jul 2022 16:02

Tgt Ion: 43 Resp: 5514
 Ion Ratio Lower Upper
 43 100
 72 60.6 17.9 26.9#





#39

1,2-Dichloropropane

Concen: 8.354 ppbv

RT: 7.19 Instrument: MSVOA_1

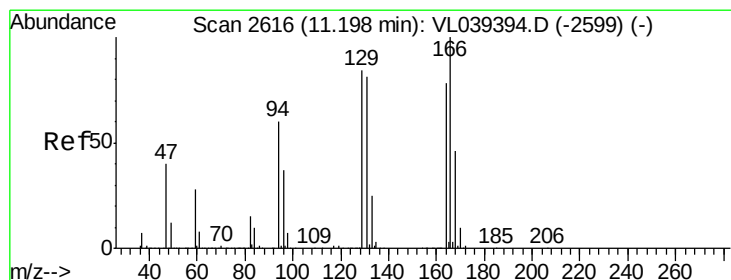
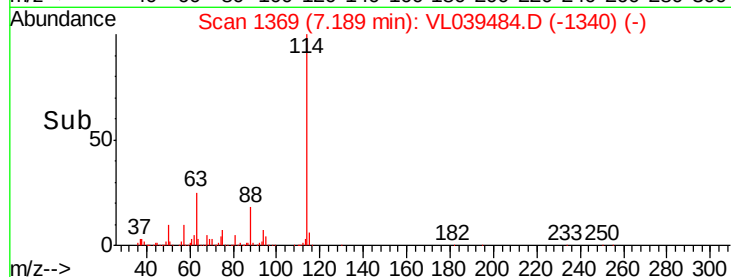
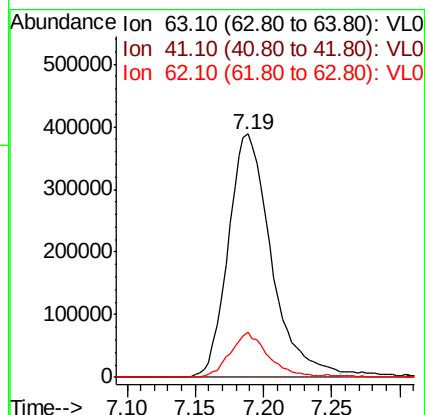
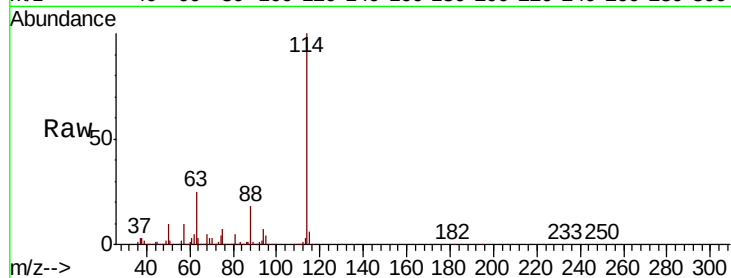
Delta R.T.

Lab File: ClientSampleId:

Acq: 19 Jul 2022 16:02

Tot Ion: 63 Resp: 852145

Ion	Ratio	Lower	Upper
63	100		
41	0.1	59.6	89.4#
62	18.0	51.4	77.0#



#52

Tetrachloroethene

Concen: 0.120 ppbv

RT: 11.24 min Scan# 2629

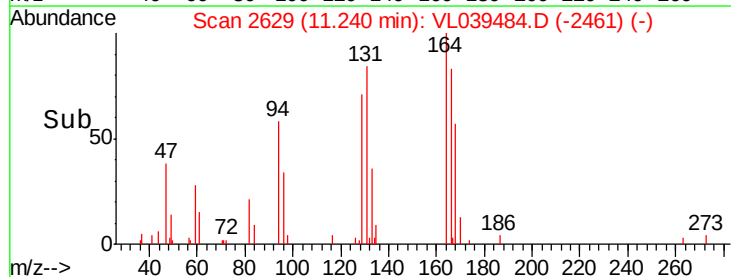
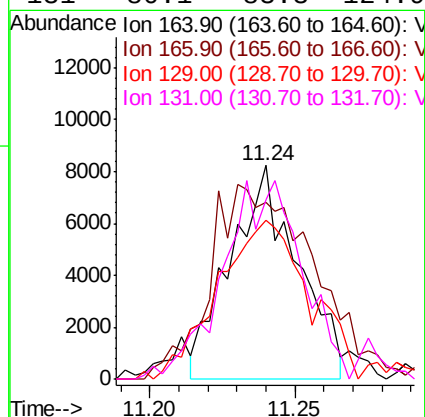
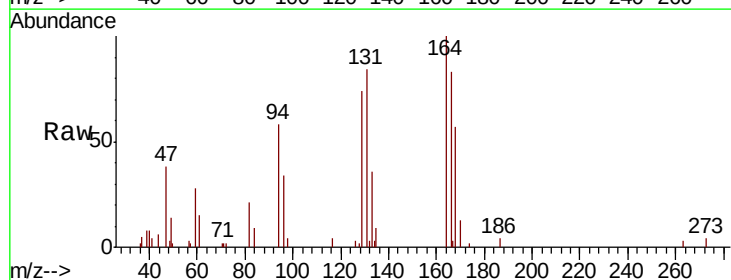
Delta R.T. 0.04 min

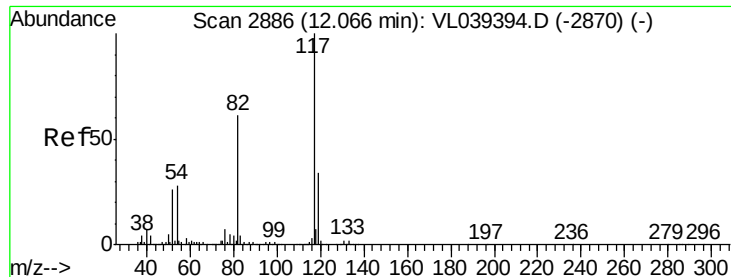
Lab File: VL039484.D

Acq: 19 Jul 2022 16:02

Tgt Ion: 164 Resp: 13215

Ion	Ratio	Lower	Upper
164	100		
166	68.8	102.2	153.2#
129	56.8	85.8	128.8#
131	80.1	83.3	124.9#

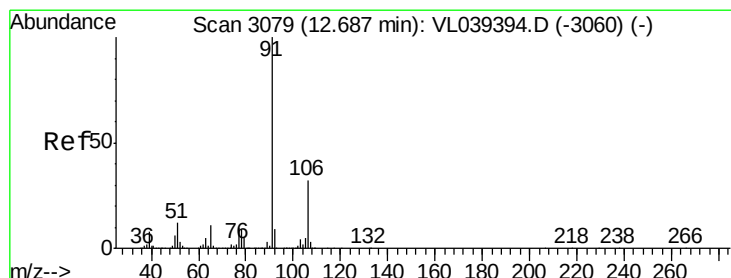
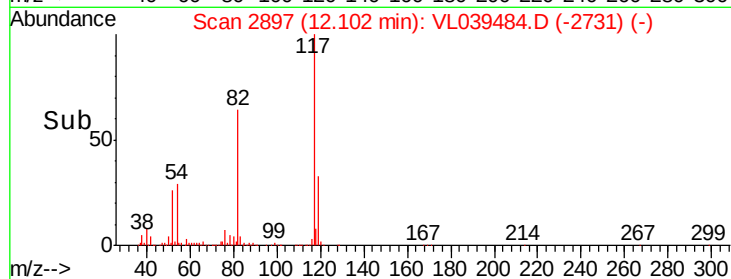
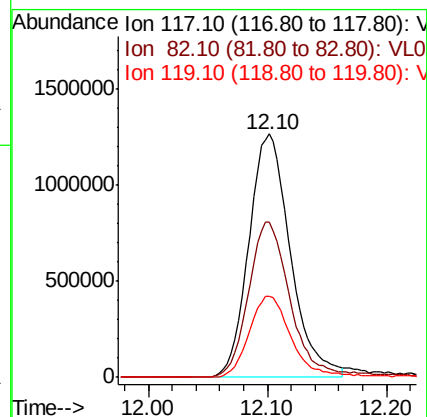
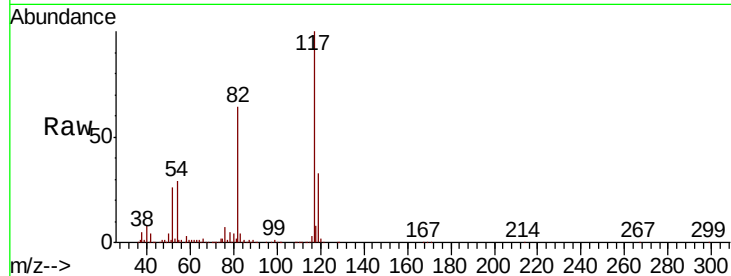




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 19 Jul 2022 16:02

Tot Ion: 117 Resp: 3062721

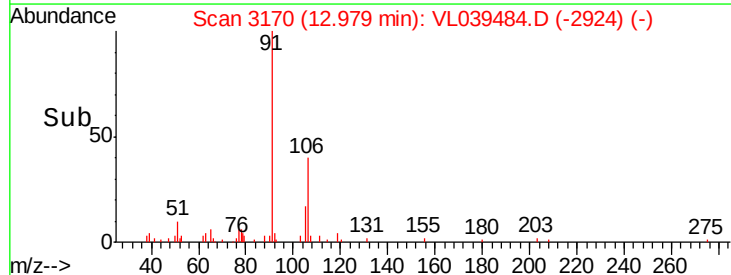
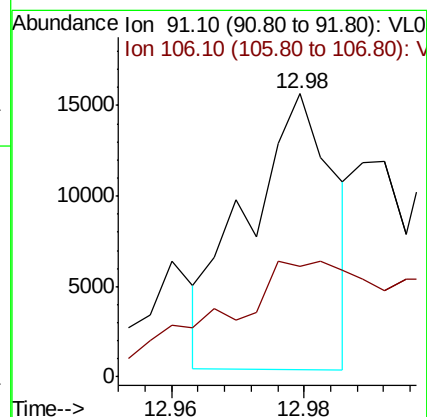
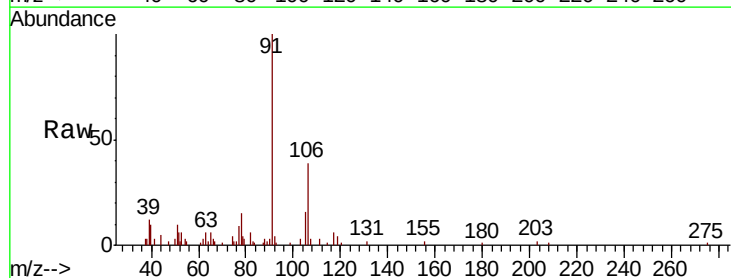
Ion	Ratio	Lower	Upper
117	100		
82	66.4	50.8	76.2
119	34.7	24.1	36.1

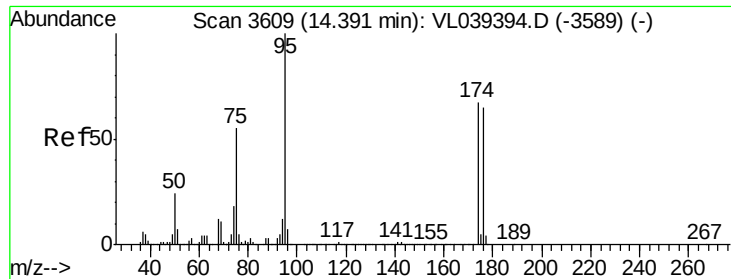


#58
Ethyl Benzene
Concen: 0.035 ppbv
RT: 12.98 min Scan# 3170
Delta R.T.: 0.29 min
Lab File: VL039484.D
Acq: 19 Jul 2022 16:02

Tgt Ion: 91 Resp: 14005

Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.4	38.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.528 ppbv
 RT: 14.43
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 19 Jul 2022 10:02

Tot Ion:	95	Resp:	2392025
Ion	Ratio	Lower	Upper
95	100		
174	71.7	55.9	83.9
175	5.0	4.2	6.4

