

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072522\
 Data File : VL039523.D
 Acq On : 25 Jul 2022 19:23
 Operator : SY/AP
 Sample : N3844-01 2X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 ENV-DE-5-SV

Quant Time: Jul 26 08:05:24 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	5.67	49	1036594	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2929431	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	2704014	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2526278	12.59	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	125.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	18154	0.121 ppbv	99
3) Chlorodifluoromethane	3.04	51	156702	1.192 ppbv #	64
4) Chloromethane	3.14	50	3298	0.046 ppbv #	53
9) Propene	3.02	41	1440503	24.254 ppbv	93
10) Heptane	8.13	43	43803	0.315 ppbv #	81
11) Trichlorofluoromethane	3.95	101	136698	0.820 ppbv	97
13) Ethanol	3.61	45	57163	16.589 ppbv	67
15) Acetone	3.85	43	2532445	20.650 ppbv	92
16) 1,3-Butadiene	3.31	39	970270	15.248 ppbv #	22
17) tert-Butyl alcohol	4.29	59	415508	3.992 ppbv	99
19) Isopropyl Alcohol	4.01	45	91433	1.398 ppbv #	88
20) Methylene Chloride	4.35	84	200123	4.094 ppbv	97
21) Allyl Chloride	4.41	41	9934	0.117 ppbv #	19
23) Vinyl Acetate	5.07	43	37566	0.458 ppbv #	70
25) Ethyl Acetate	5.69	43	259541	1.032 ppbv #	78
26) Hexane	5.70	57	361461	3.566 ppbv #	37
27) Carbon Disulfide	4.56	76	211784	1.731 ppbv	100
29) Chloroform	5.76	83	2135225	12.114 ppbv	98
30) Cyclohexane	7.14	84	3394	0.037 ppbv #	1
32) 1,1,1-Trichloroethane	6.52	97	18107	0.104 ppbv #	30
34) 2-Butanone	5.25	43	565253	3.833 ppbv	97
36) Benzene	6.90	78	96511	0.426 ppbv	97
39) 1,2-Dichloropropane	7.18	63	722500	8.530 ppbv #	25
41) Tetrahydrofuran	5.99	42	5757	0.067 ppbv #	75
42) Bromodichloromethane	7.81	83	20942	0.116 ppbv	92
44) 2,2,4-Trimethylpentane	7.88	57	127524	0.332 ppbv #	60
51) 2-Hexanone	10.11	43	13028	0.077 ppbv #	67
52) Tetrachloroethene	11.24	164	164802	1.806 ppbv	92
53) Toluene	9.82	91	283567	1.084 ppbv	98
57) Chlorobenzene	12.15	112	13223	0.063 ppbv #	34
58) Ethyl Benzene	13.01	91	20431	0.059 ppbv	95
59) m/p-Xylene	13.01	91	20431	0.066 ppbv #	32
60) o-Xylene	13.70	91	98625	0.338 ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	9622	0.063 ppbv #	25
66) Benzyl Chloride	17.02	91	12234	0.314 ppbv #	67
70) n-Butylbenzene	18.56	91	37261	0.082 ppbv #	74
71) 2-Chlorotoluene	15.76	91	10042	0.032 ppbv	85
72) 4-Ethyltoluene	15.85	105	45275	0.132 ppbv #	14
73) 1,3,5-Trimethylbenzene	16.01	105	53276	0.169 ppbv	94
74) 1,2,4-Trimethylbenzene	16.77	105	154860	0.445 ppbv #	67
80) Naphthalene,2-methyl-	24.97	142	16589	0.203 ppbv #	76

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Instrument :
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ClientSampleId :
ENV-DE-5-SV

Quant Time: Jul 26 08:05:24 2022
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

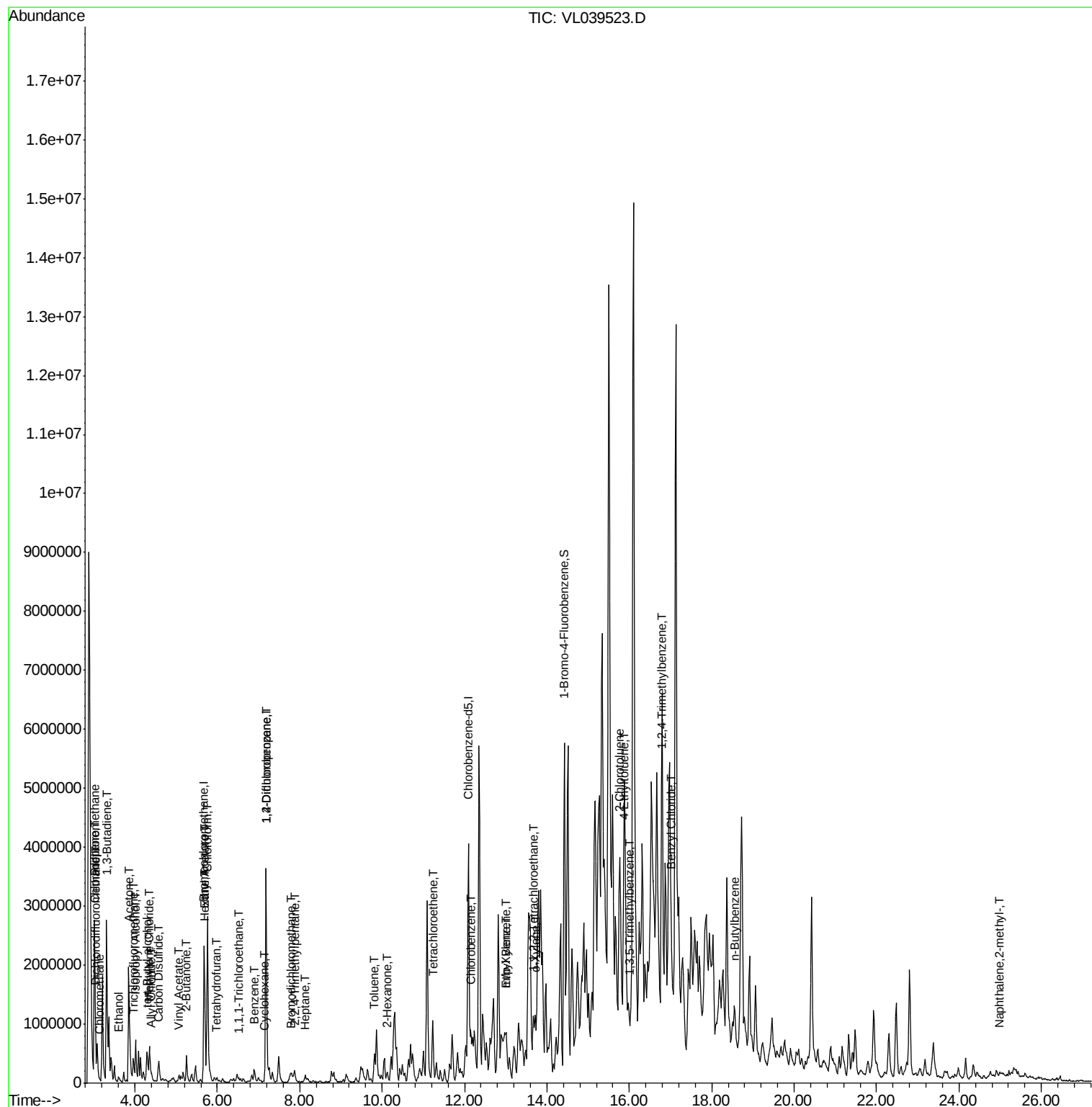
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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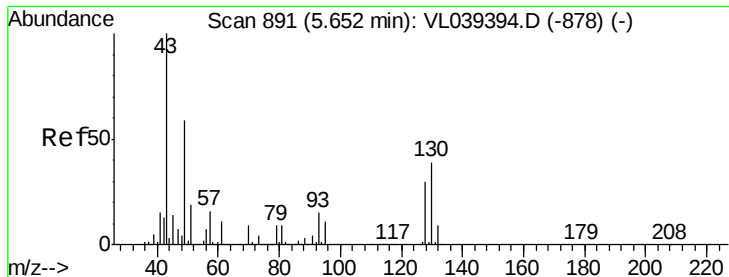
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL072522\
Data File : VL039523.D
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Jul 2022 19:23 ENV-DE-5-SV

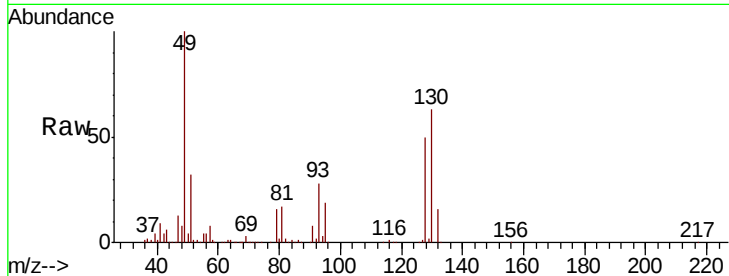
Tot Ion: 49 Resp: 1036594

Ion Ratio Lower Upper

49 100

128 54.9 26.7 80.0

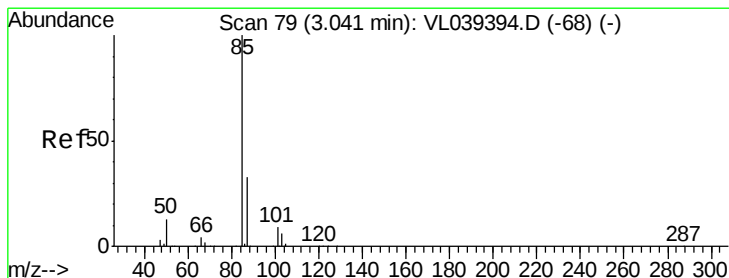
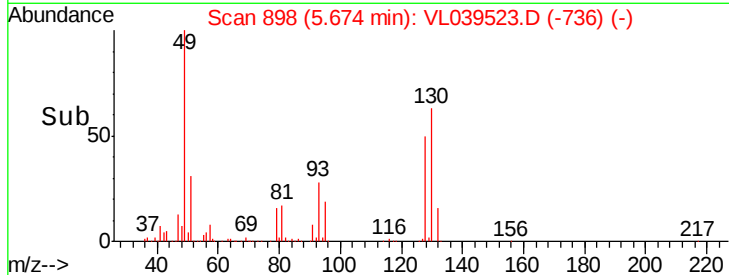
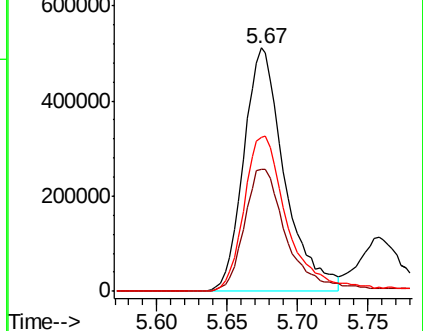
130 69.3 34.3 102.8



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



#2

Dichlorodifluoromethane

Concen: 0.121 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL039523.D

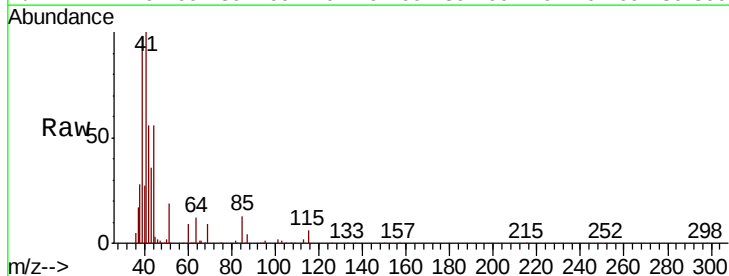
Acq: 25 Jul 2022 19:23

Tgt Ion: 85 Resp: 18154

Ion Ratio Lower Upper

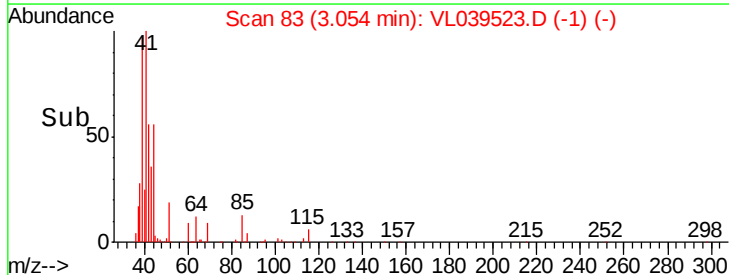
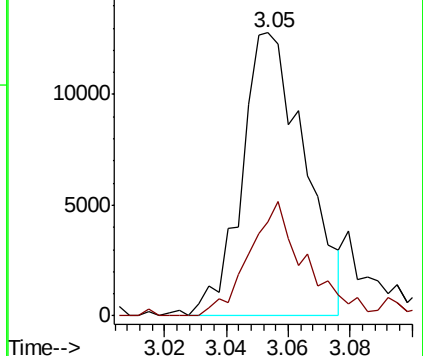
85 100

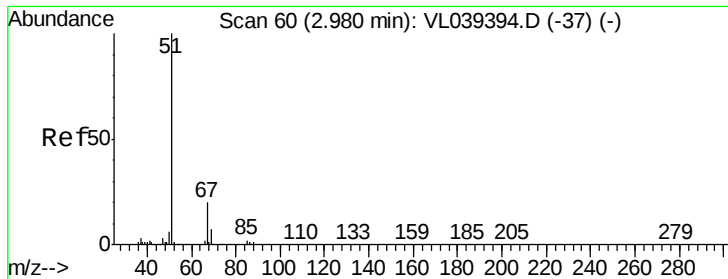
87 33.1 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

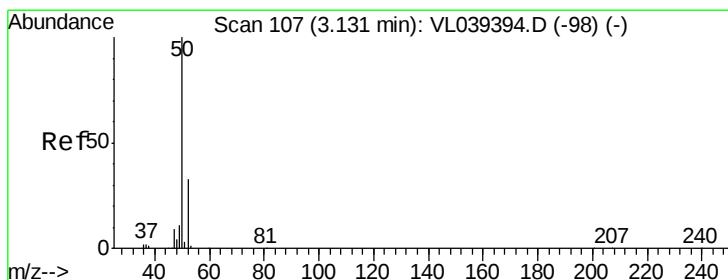
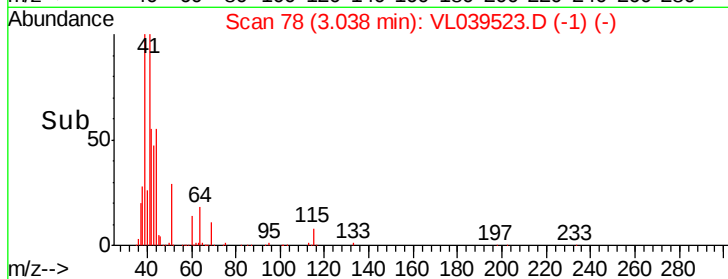
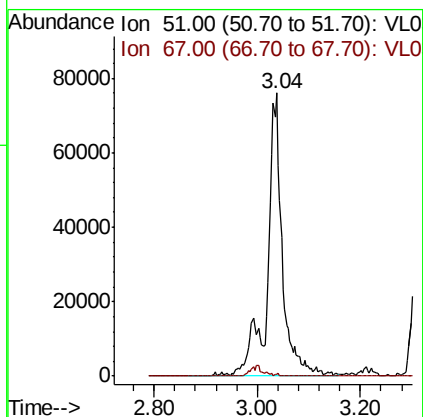
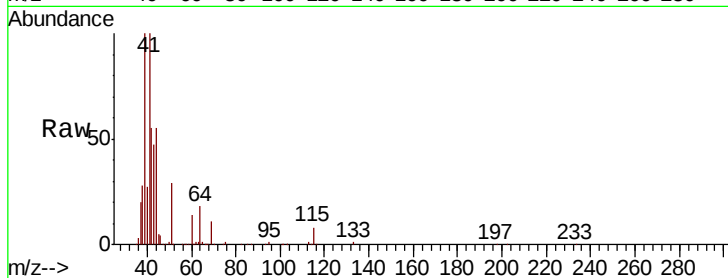
Ion 87.00 (86.70 to 87.70): VL0





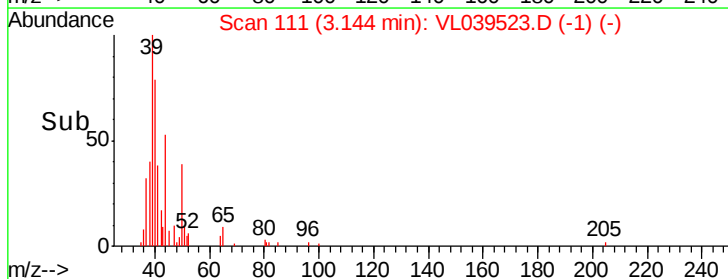
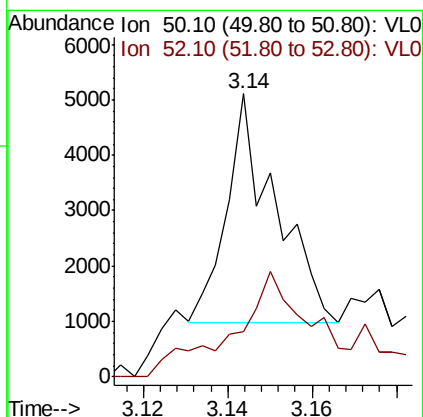
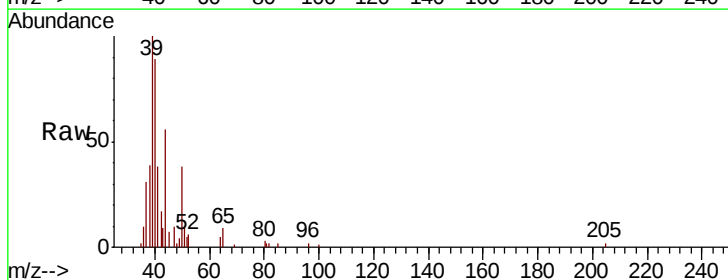
#3
 Chlorodifluoromethane
 Concen: 1.192 ppbv
 RT: 3.04
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Jul 2022 19:23

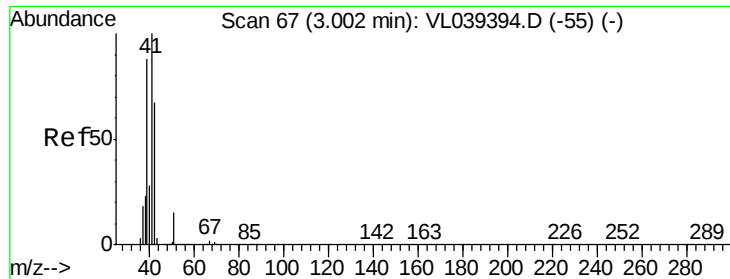
Tot Ion: 51 Resp: 156702
 Ion Ratio Lower Upper
 51 100
 67 3.1 15.7 23.5#



#4
 Chloromethane
 Concen: 0.046 ppbv
 RT: 3.14 min Scan# 111
 Delta R.T. 0.01 min
 Lab File: VL039523.D
 Acq: 25 Jul 2022 19:23

Tgt Ion: 50 Resp: 3298
 Ion Ratio Lower Upper
 50 100
 52 6.3 26.5 39.7#





#9

Propene

Concen: 24.254 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

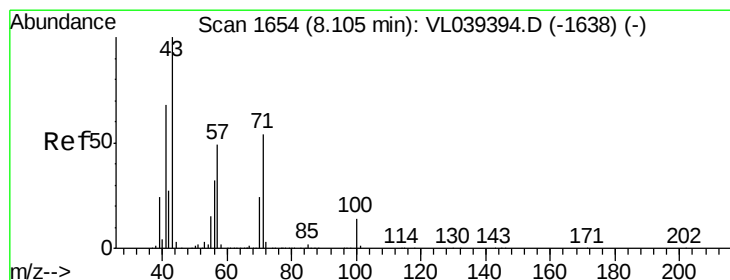
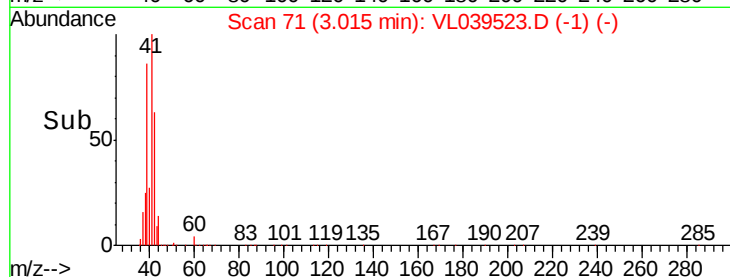
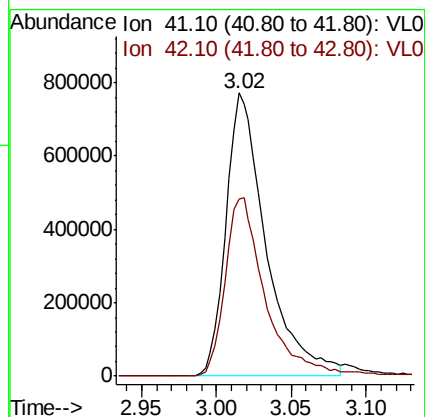
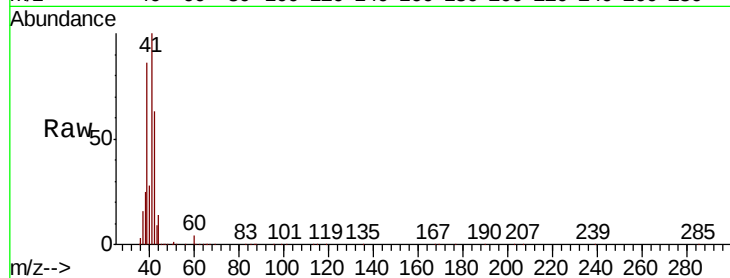
Acq: 25 Jul 2022 19:23 ENV-DE-5-SV

Tot Ion: 41 Resp: 1440503

Ion Ratio Lower Upper

41 100

42 63.2 55.2 82.8



#10

Heptane

Concen: 0.315 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.02 min

Lab File: VL039523.D

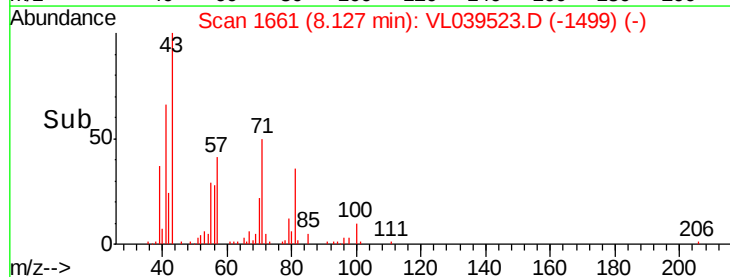
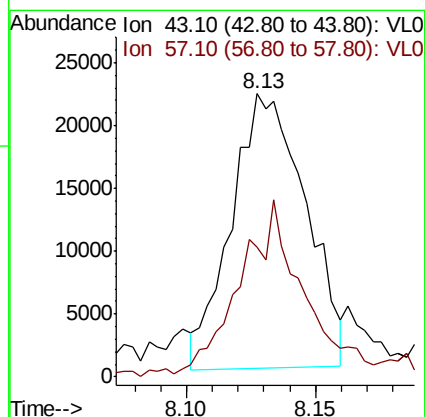
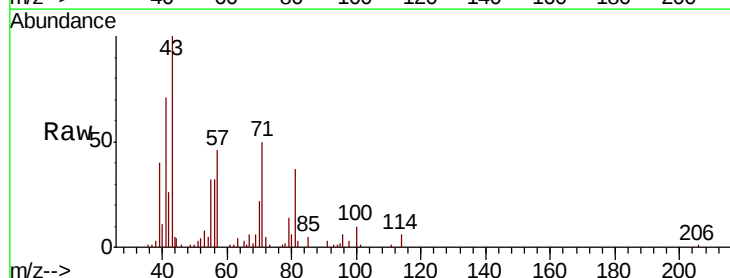
Acq: 25 Jul 2022 19:23

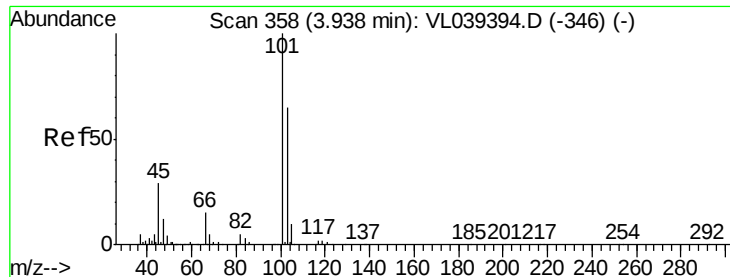
Tgt Ion: 43 Resp: 43803

Ion Ratio Lower Upper

43 100

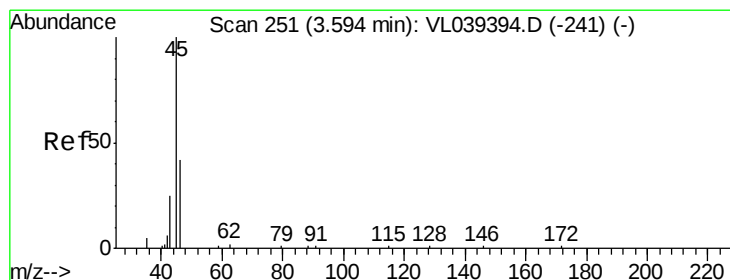
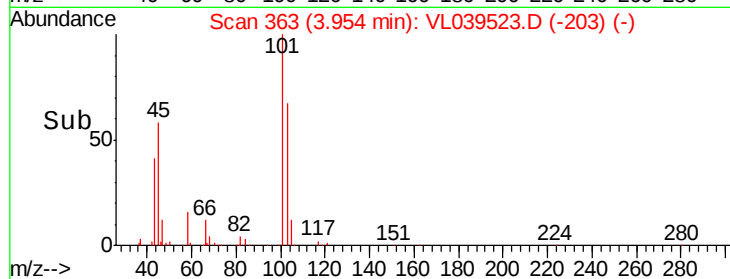
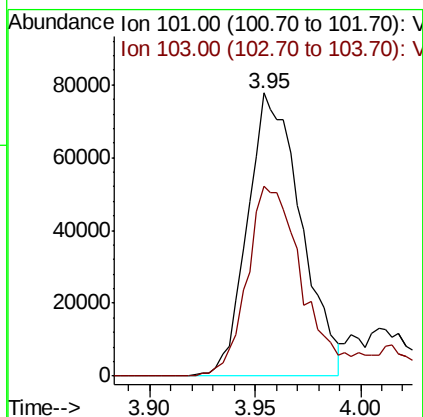
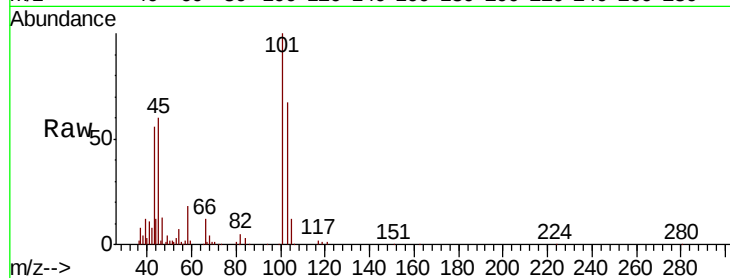
57 63.6 40.5 60.7#





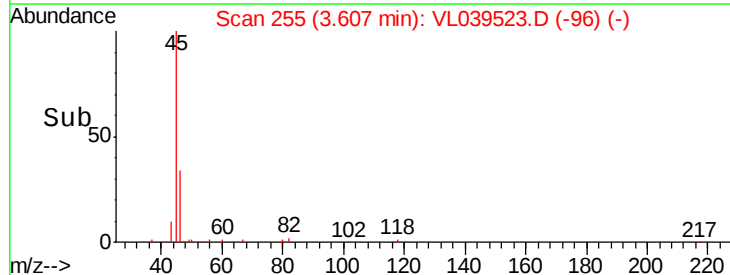
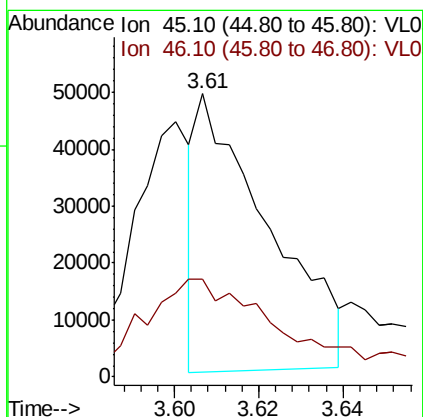
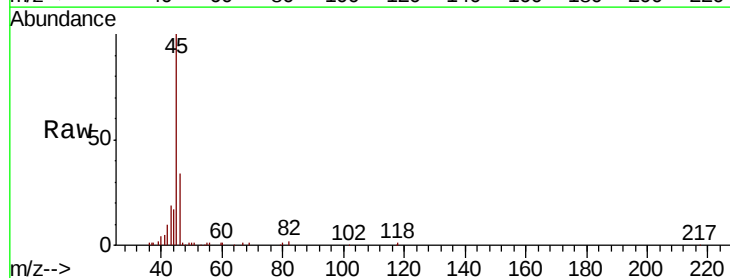
#11
 Trichlorofluoromethane
 Concen: 0.820 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Jul 2022 19:23

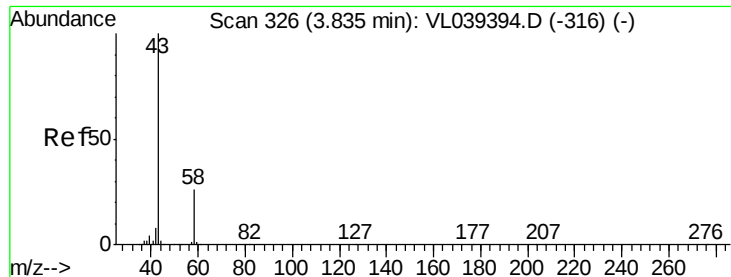
Tot Ion: 101 Resp: 136698
 Ion Ratio Lower Upper
 101 100
 103 67.3 51.8 77.8



#13
 Ethanol
 Concen: 16.589 ppbv
 RT: 3.61 min Scan# 255
 Delta R.T.: 0.01 min
 Lab File: VL039523.D
 Acq: 25 Jul 2022 19:23

Tgt Ion: 45 Resp: 57163
 Ion Ratio Lower Upper
 45 100
 46 81.5 22.8 91.2





#15

Acetone

Concen: 20.650 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

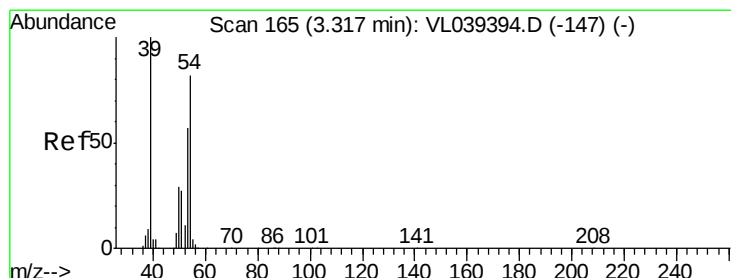
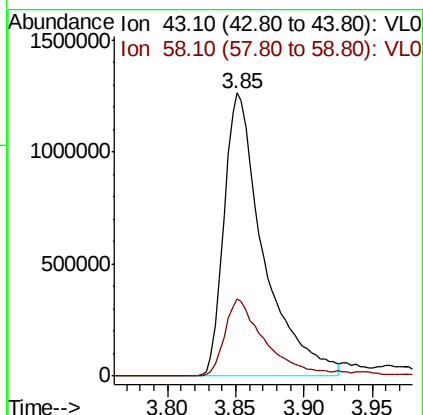
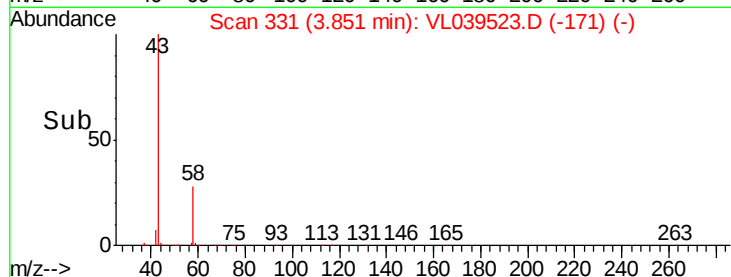
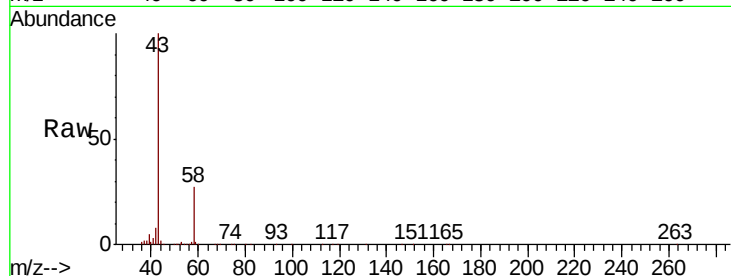
Acq: 25 Jul 2022 19:23 ENV-DE-5-SV

Tot Ion: 43 Resp: 2532445

Ion Ratio Lower Upper

43 100

58 30.4 21.0 31.6



#16

1,3-Butadiene

Concen: 15.248 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.00 min

Lab File: VL039523.D

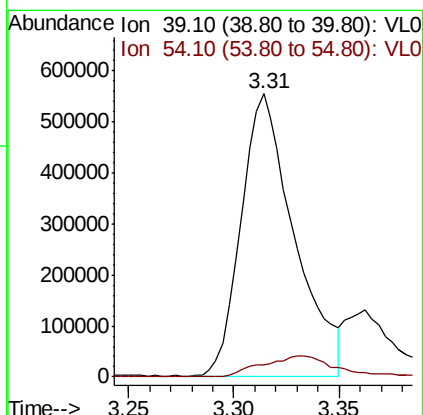
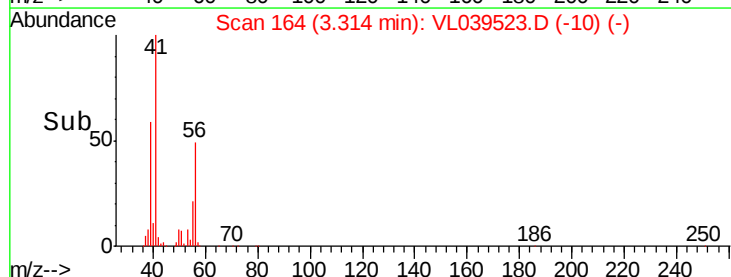
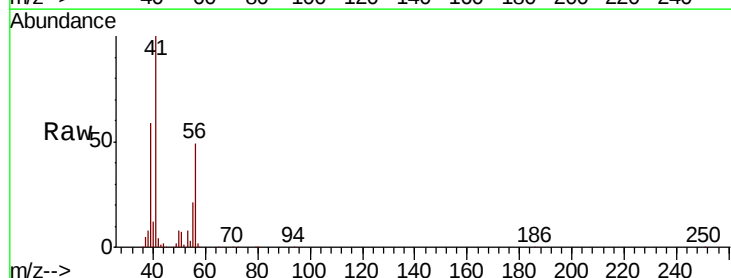
Acq: 25 Jul 2022 19:23

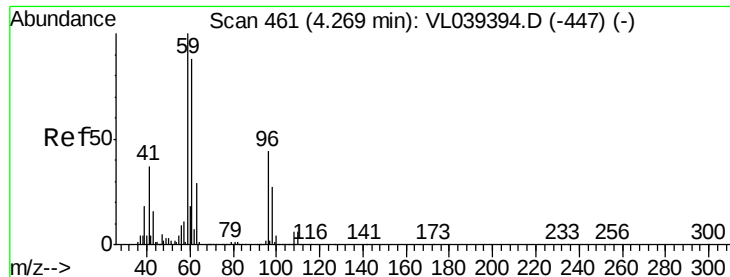
Tgt Ion: 39 Resp: 970270

Ion Ratio Lower Upper

39 100

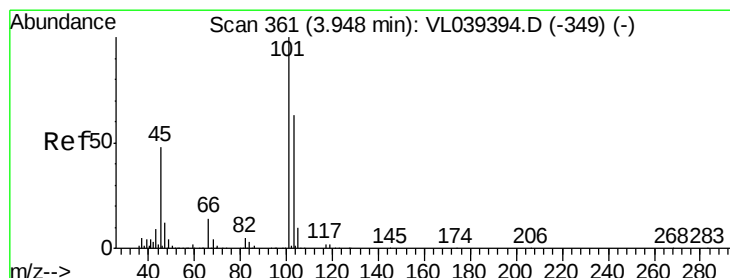
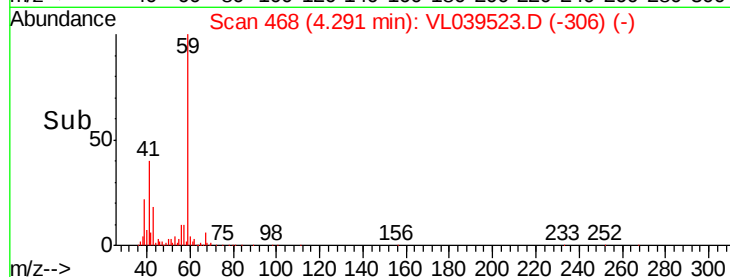
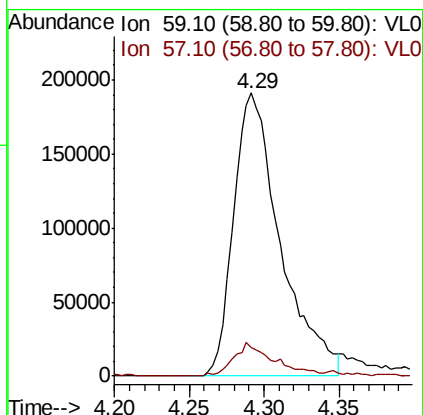
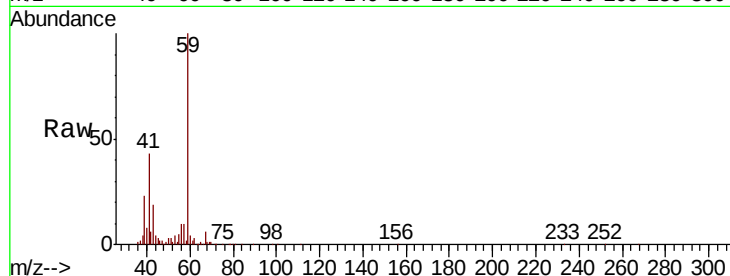
54 10.7 63.7 95.5#





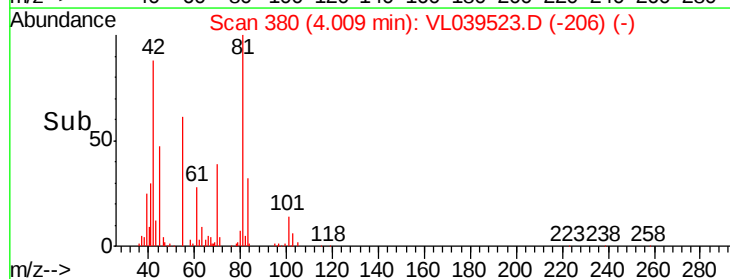
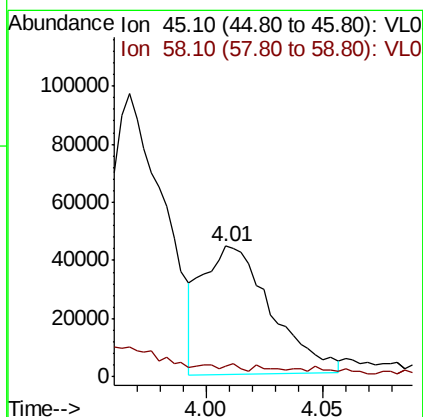
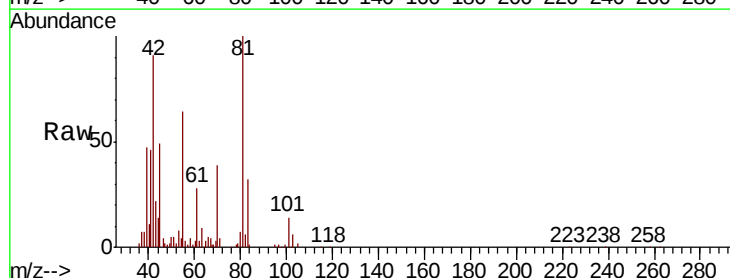
#17
tert-Butyl alcohol
Concen: 3.992 ppbv
RT: 4.29
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Jul 2022 19:23

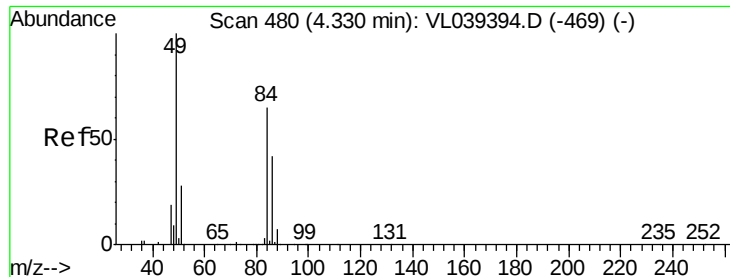
Tot Ion: 59 Resp: 415508
Ion Ratio Lower Upper
59 100
57 11.4 8.7 13.1



#19
Isopropyl Alcohol
Concen: 1.398 ppbv
RT: 4.01 min Scan# 380
Delta R.T. 0.06 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

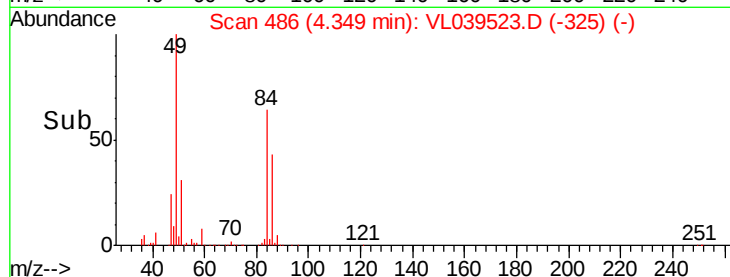
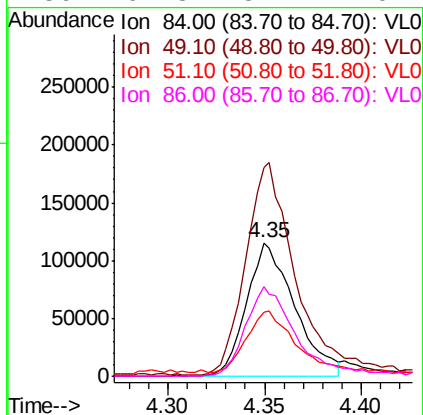
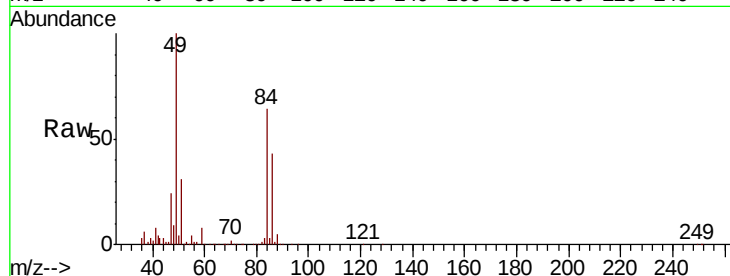
Tgt Ion: 45 Resp: 91433
Ion Ratio Lower Upper
45 100
58 0.0 3.2 4.8#





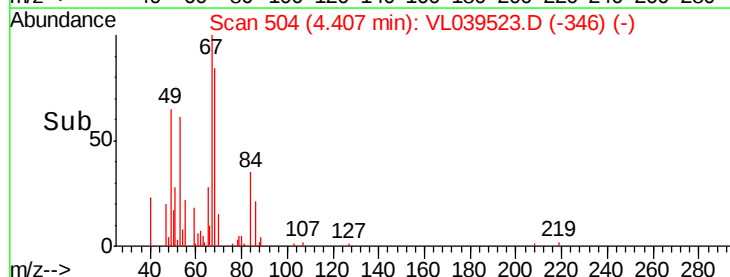
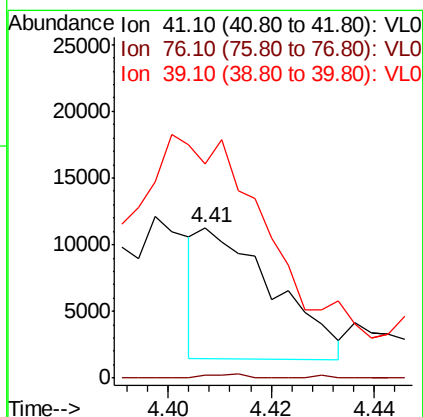
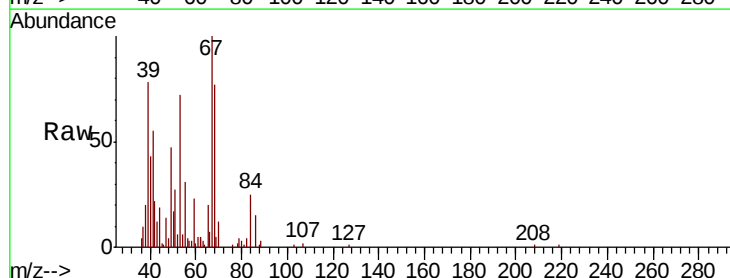
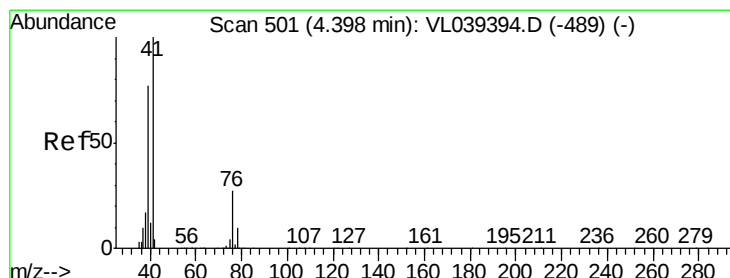
#20
Methvlene Chloride
Concen: 4.094 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Jul 2022 19:23

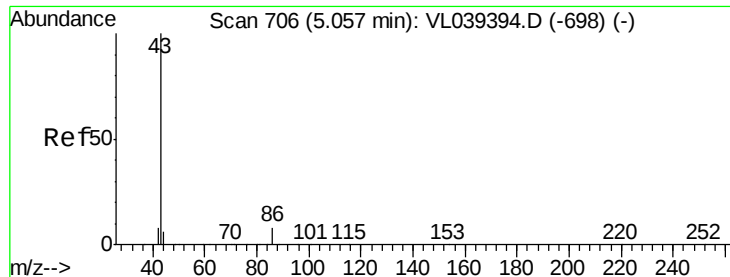
Tot Ion:	84	Resp:	200123
Ion	Ratio	Lower	Upper
84	100		
49	155.9	123.1	184.7
51	45.0	34.4	51.6
86	67.3	51.1	76.7



#21
Allyl Chloride
Concen: 0.117 ppbv
RT: 4.41 min Scan# 504
Delta R.T. 0.01 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

Tgt Ion:	41	Resp:	9934
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.4	36.6#
39	0.0	63.5	95.3#





#23

Vinyl Acetate

Concen: 0.458 ppbv

RT: 5.07 Instrument:

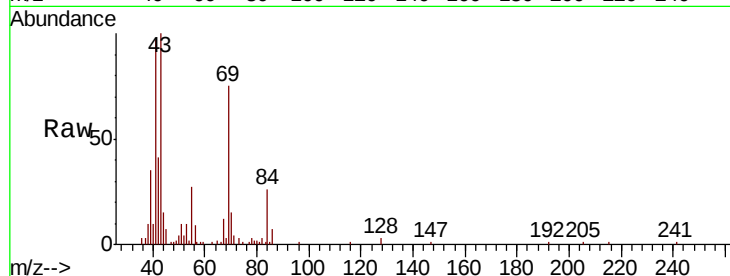
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

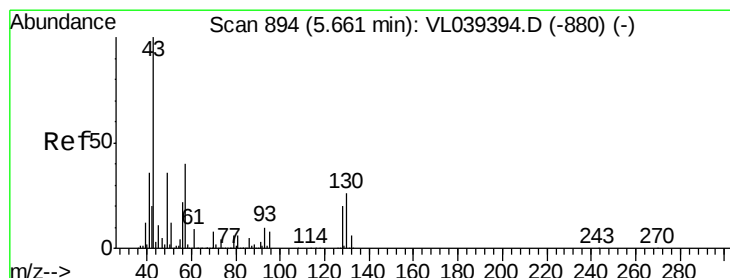
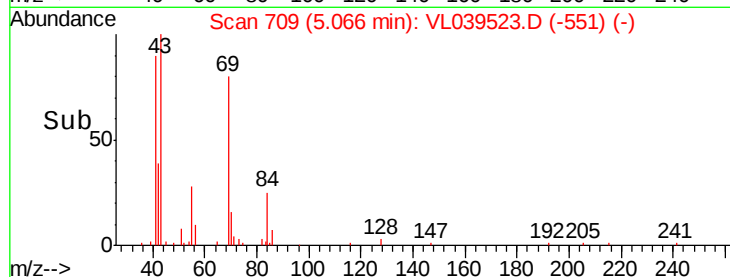
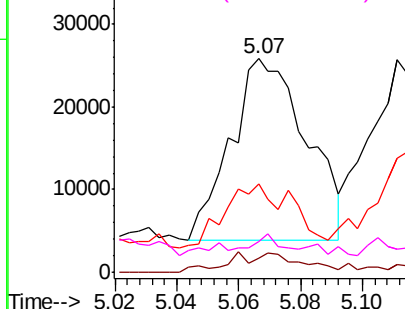
Acq: 25 Jul 2022 19:23 ENV-DE-5-SV

Tot Ion: 43 Resp: 37566

Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.0	7.6
42	33.3	7.7	11.5#
44	4.8	4.6	7.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 1.032 ppbv

RT: 5.69 min Scan# 904

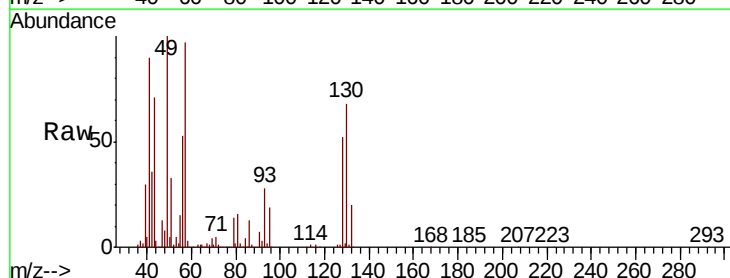
Delta R.T. 0.03 min

Lab File: VL039523.D

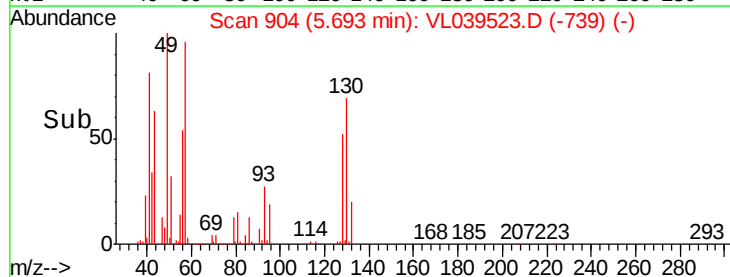
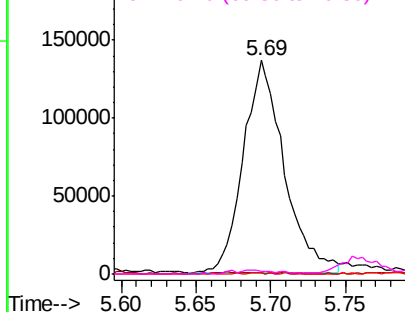
Acq: 25 Jul 2022 19:23

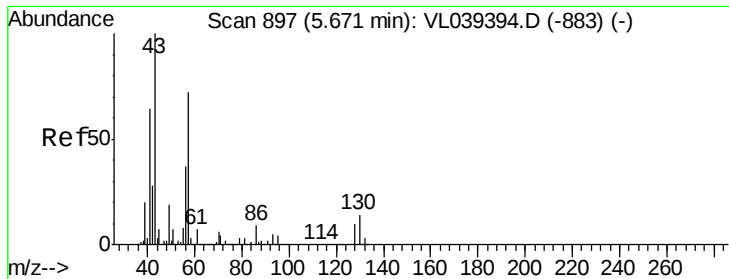
Tgt Ion: 43 Resp: 259541

Ion	Ratio	Lower	Upper
43	100		
45	1.2	8.2	12.4#
61	0.7	8.3	12.5#
70	2.2	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: 3.566 ppbv

RT: 5.70

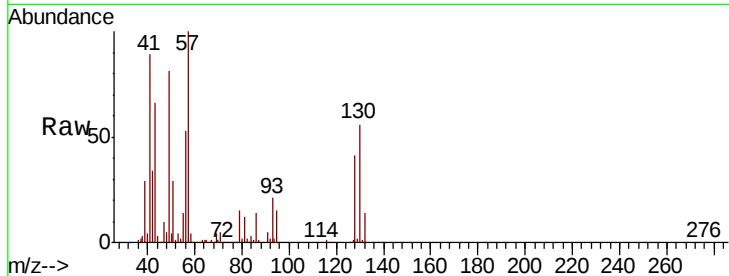
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

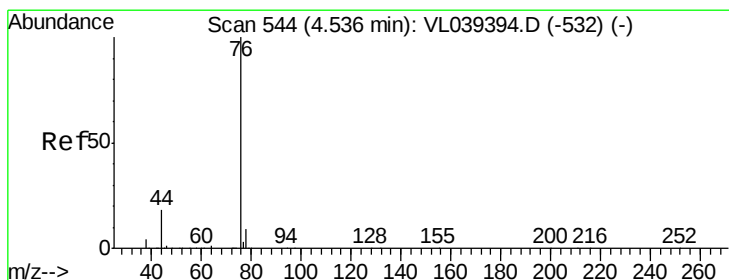
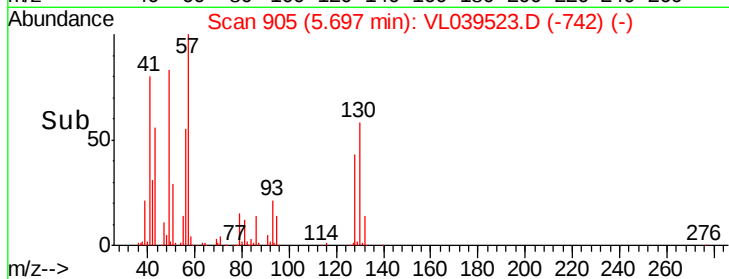
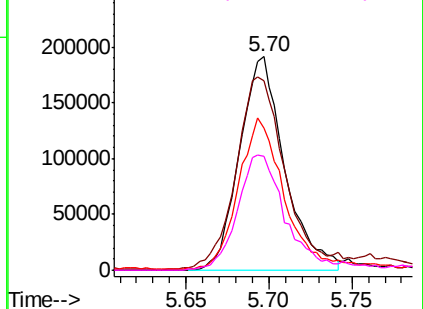
Acq: 25 Jul 2022 19:23

Tot Ion: 57 Resp: 361461

Ion	Ratio	Lower	Upper
57	100		
41	107.1	76.9	115.3
43	74.8	191.0	286.6#
56	59.0	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



#27

Carbon Disulfide

Concen: 1.731 ppbv

RT: 4.56 min Scan# 551

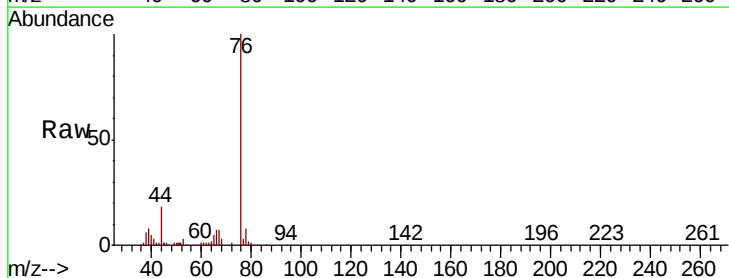
Delta R.T. 0.02 min

Lab File: VL039523.D

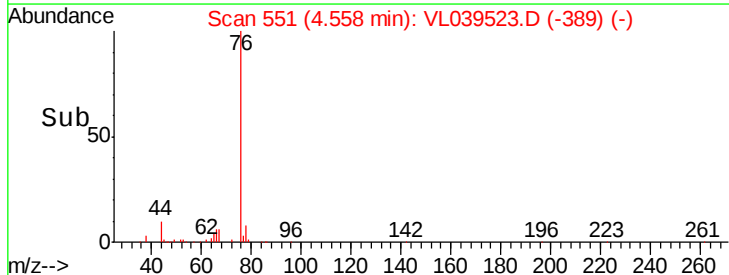
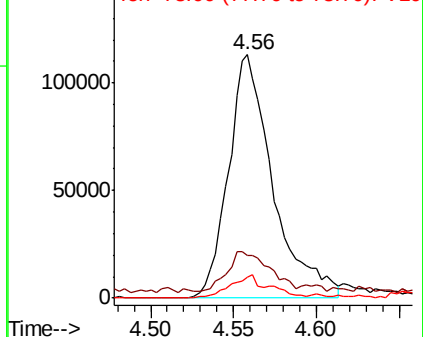
Acq: 25 Jul 2022 19:23

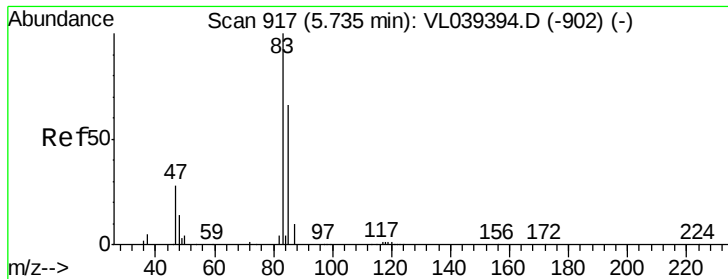
Tgt Ion: 76 Resp: 211784

Ion	Ratio	Lower	Upper
76	100		
44	18.3	14.6	21.8
78	9.4	7.8	11.6



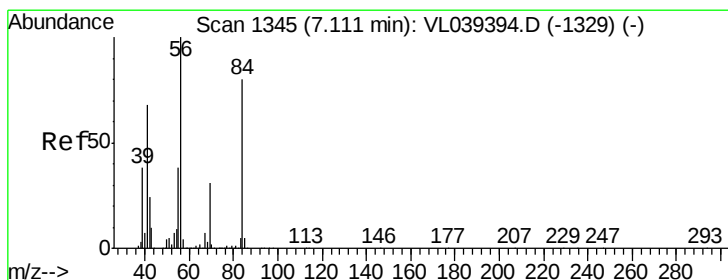
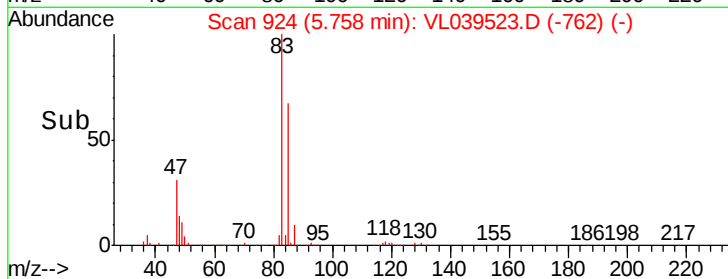
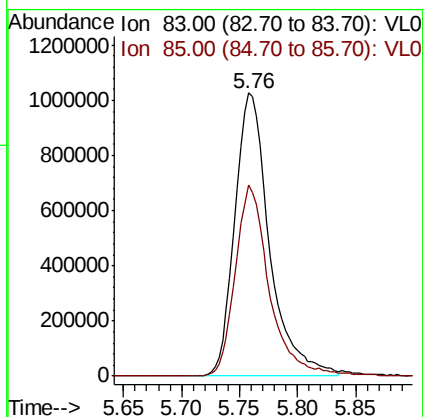
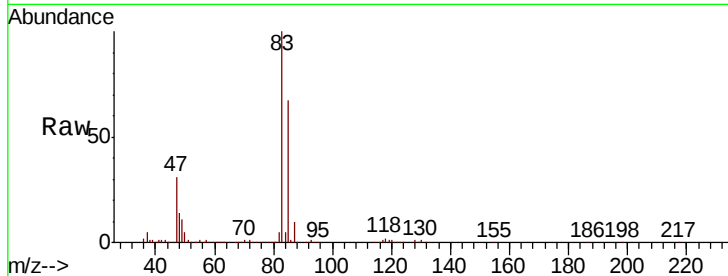
Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





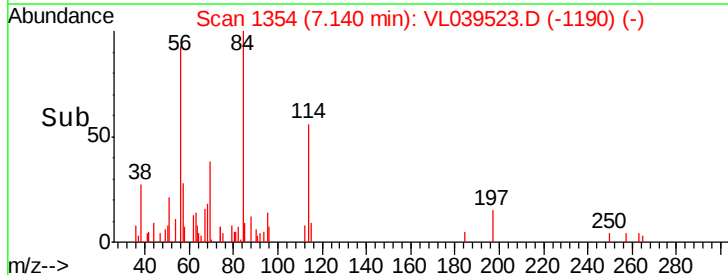
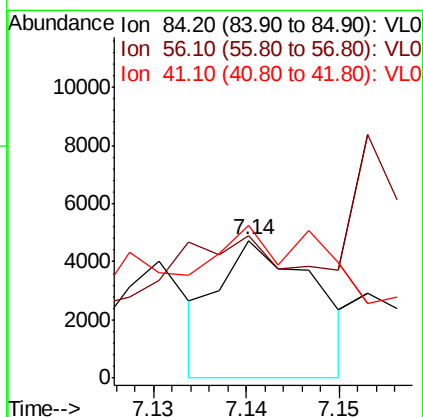
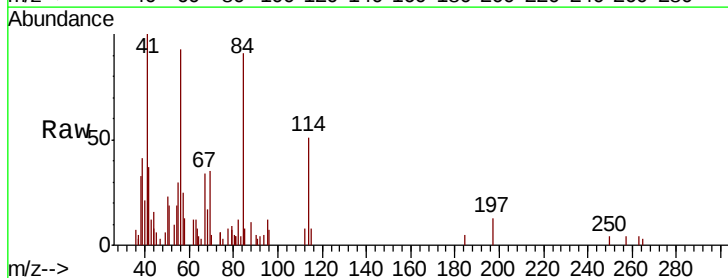
#29
Chloroform
Concen: 12.114 ppbv
RT: 5.76
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Jul 2022 19:23

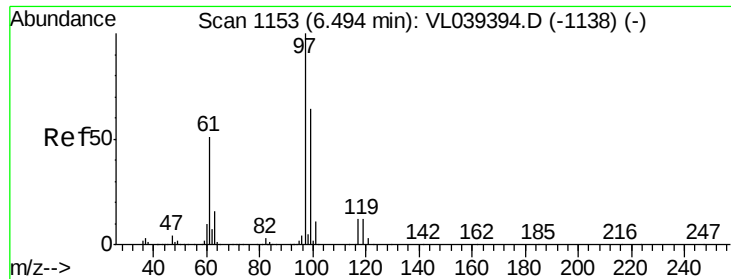
Tot Ion: 83 Resp: 2135225
Ion Ratio Lower Upper
83 100
85 67.4 52.8 79.2



#30
Cyclohexane
Concen: 0.037 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.03 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

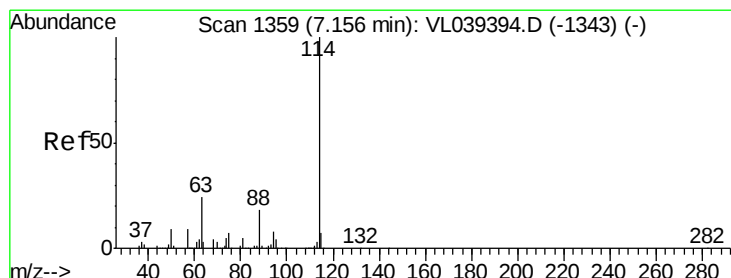
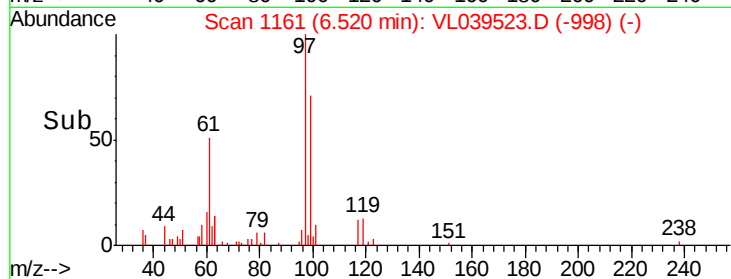
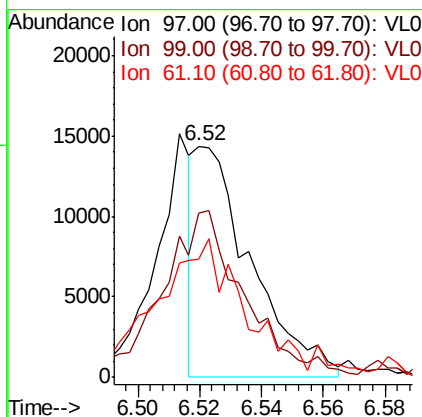
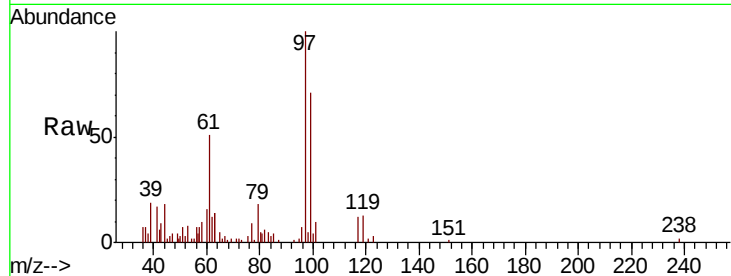
Tgt Ion: 84 Resp: 3394
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 0.0 67.7 101.5#





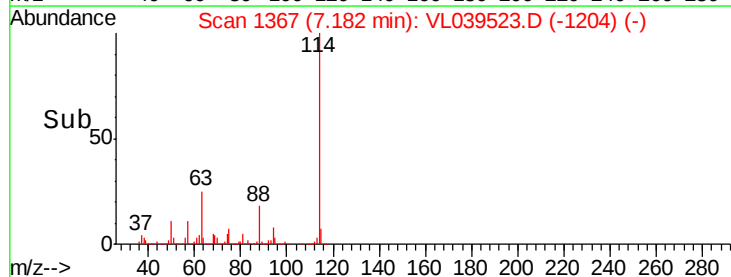
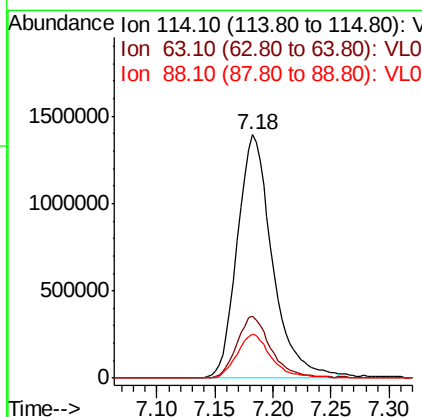
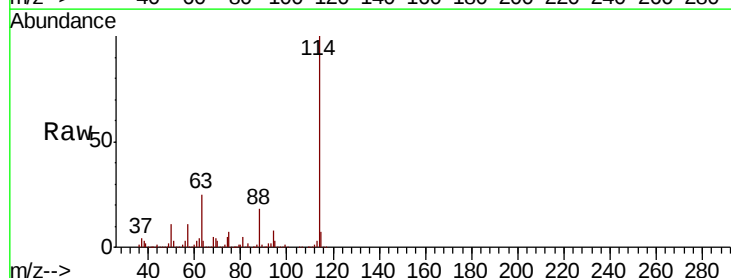
#32
 1,1,1-Trichloroethane
 Concen: 0.104 ppbv
 RT: 6.52
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Jul 2022 19:23

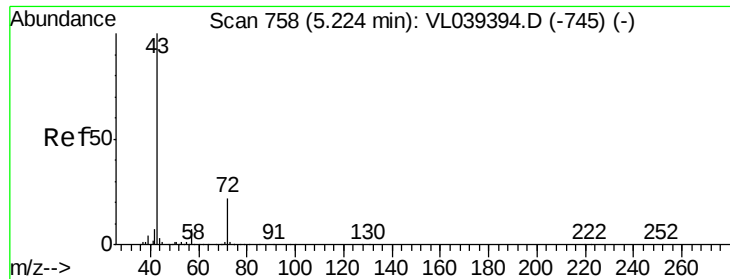
Tot Ion	97	Resp	18107
Ion Ratio	Lower	Upper	
97	100		
99	110.4	52.3	78.5#
61	111.5	40.9	61.3#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.03 min
 Lab File: VL039523.D
 Acq: 25 Jul 2022 19:23

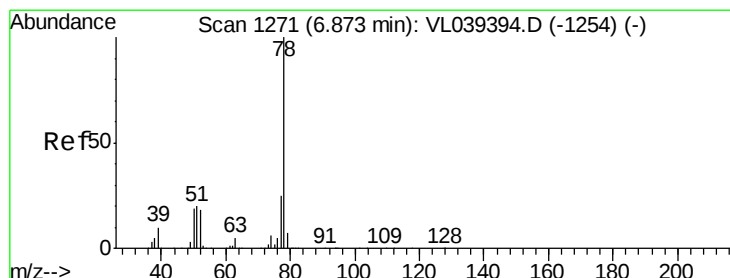
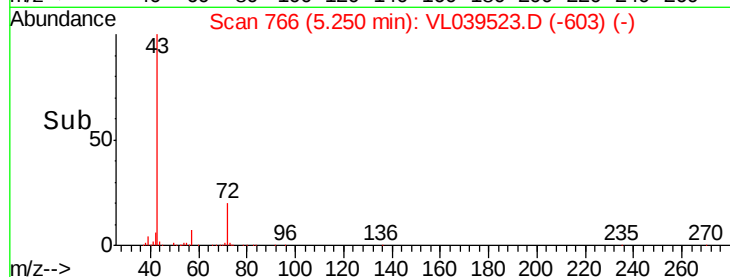
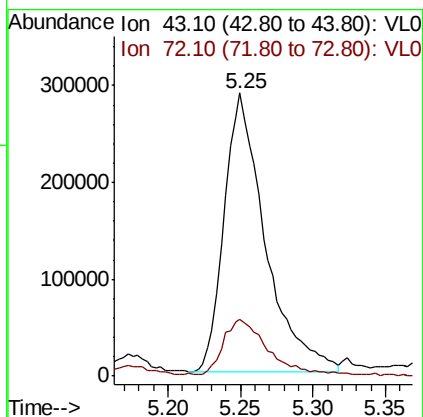
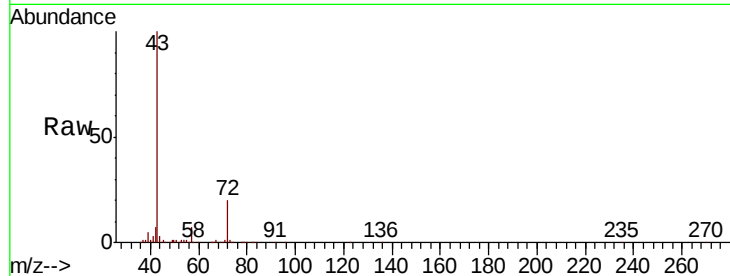
Tgt Ion	114	Resp	2929431
Ion Ratio	Lower	Upper	
114	100		
63	25.2	20.2	30.4
88	18.0	14.5	21.7





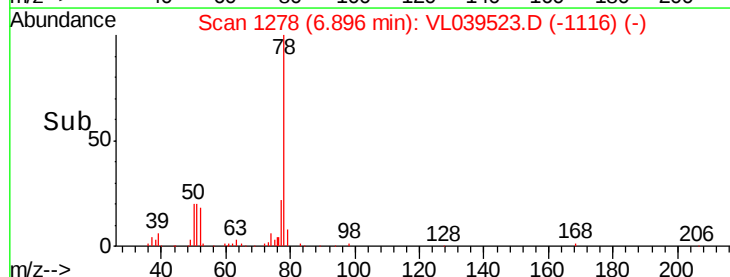
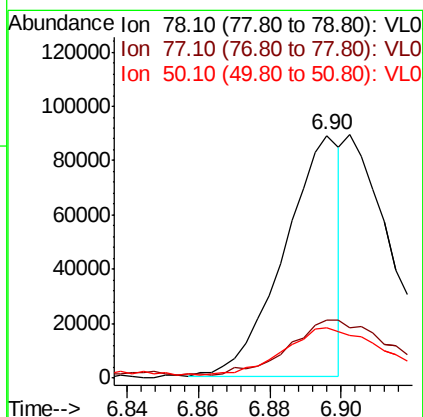
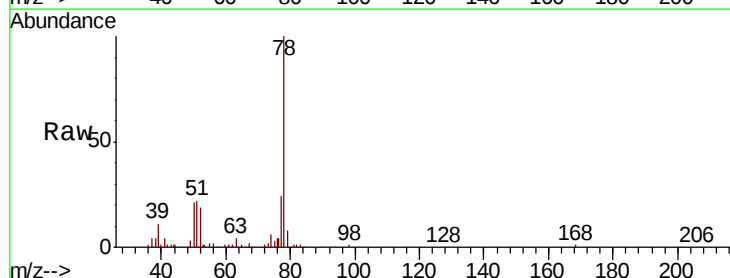
#34
 2-Butanone
 Concen: 3.833 ppbv
 RT: 5.25
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Jul 2022 19:23

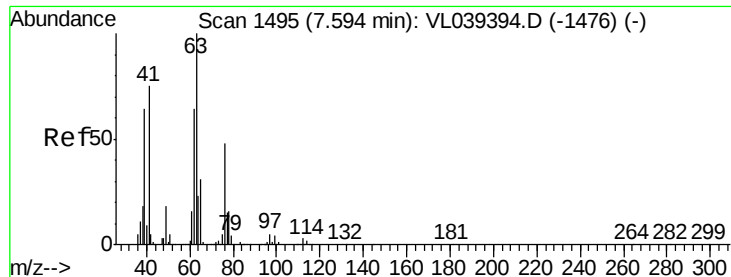
Tot Ion: 43 Resp: 565253
 Ion Ratio Lower Upper
 43 100
 72 23.6 17.9 26.9



#36
 Benzene
 Concen: 0.426 ppbv
 RT: 6.90 min Scan# 1278
 Delta R.T. 0.02 min
 Lab File: VL039523.D
 Acq: 25 Jul 2022 19:23

Tgt Ion: 78 Resp: 96511
 Ion Ratio Lower Upper
 78 100
 77 22.6 20.3 30.5
 50 19.4 15.5 23.3





#39

1,2-Dichloropropane

Concen: 8.530 ppbv

RT: 7.18 Instrument: MSVOA_1

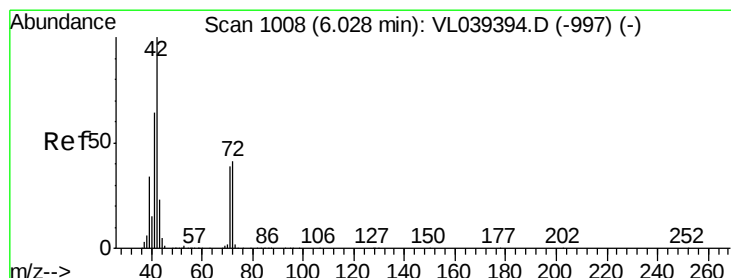
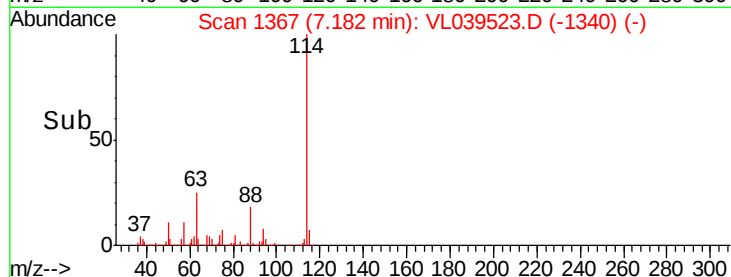
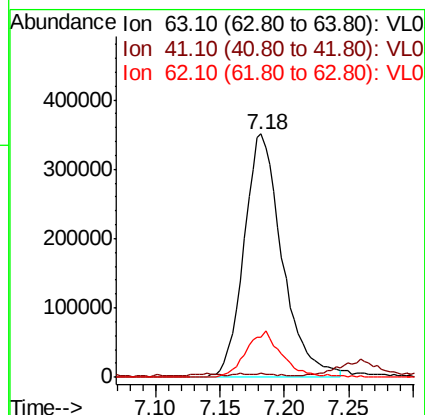
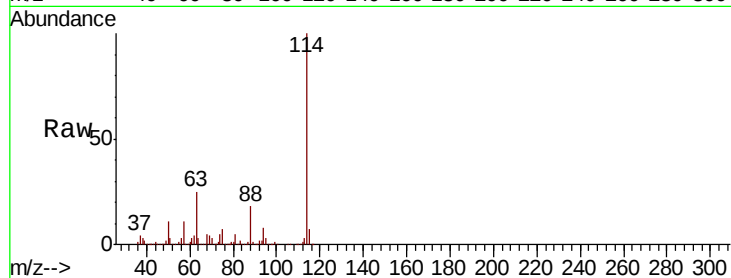
Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Jul 2022 19:23 ENV-DE-5-SV

Tot Ion: 63 Resp: 722500

Ion	Ratio	Lower	Upper
63	100		
41	0.3	59.6	89.4#
62	16.4	51.4	77.0#



#41

Tetrahydrofuran

Concen: 0.067 ppbv

RT: 5.99 min Scan# 996

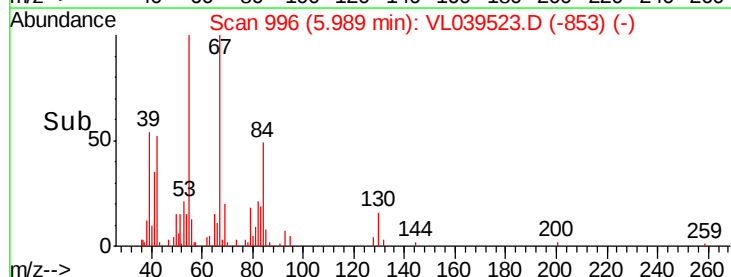
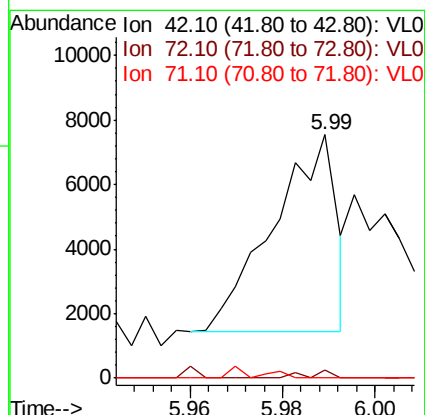
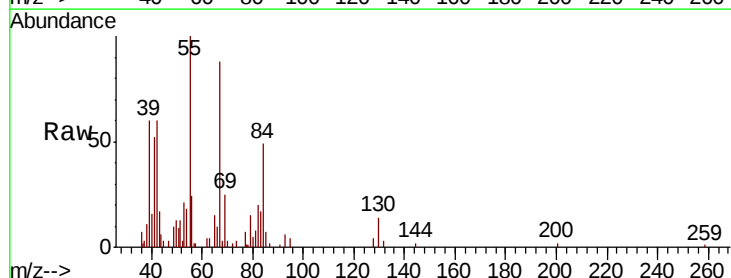
Delta R.T. -0.04 min

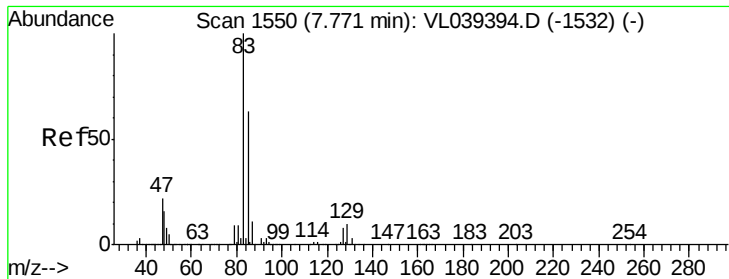
Lab File: VL039523.D

Acq: 25 Jul 2022 19:23

Tgt Ion: 42 Resp: 5757

Ion	Ratio	Lower	Upper
42	100		
72	58.7	31.8	47.8#
71	27.6	31.8	47.8#





#42

Bromodichloromethane

Concen: 0.116 ppbv

RT: 7.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Jul 2022 19:23 ENV-DE-5-SV

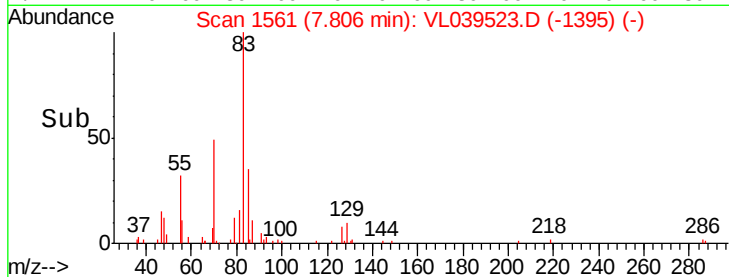
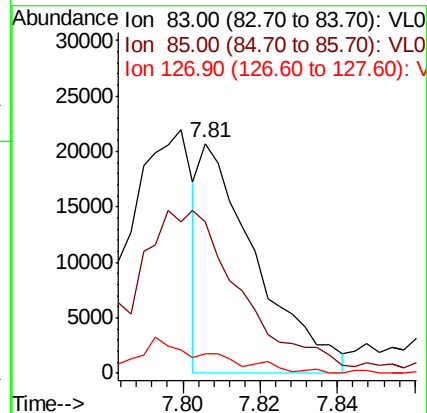
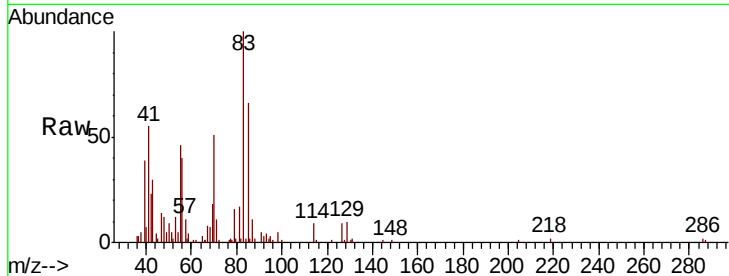
Tot Ion: 83 Resp: 20942

Ion Ratio Lower Upper

83 100

85 69.7 50.7 76.1

127 9.6 6.6 9.8



#44

2,2,4-Trimethylpentane

Concen: 0.332 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. 0.03 min

Lab File: VL039523.D

Acq: 25 Jul 2022 19:23

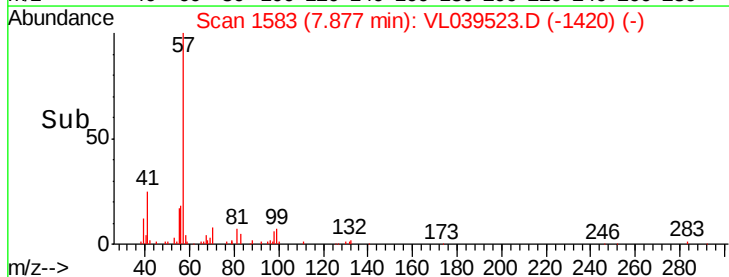
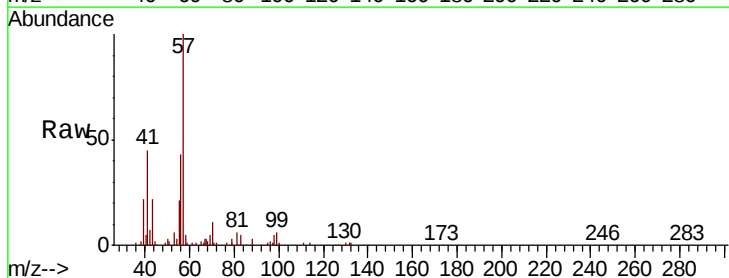
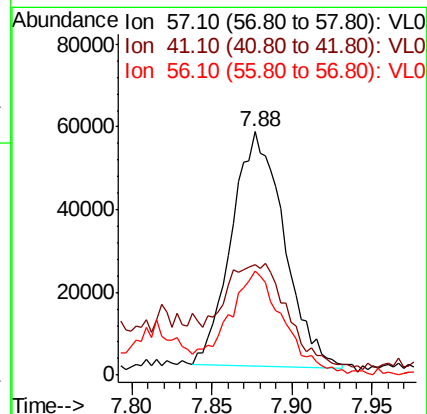
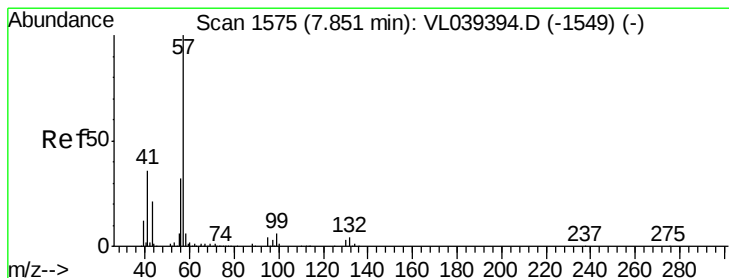
Tgt Ion: 57 Resp: 127524

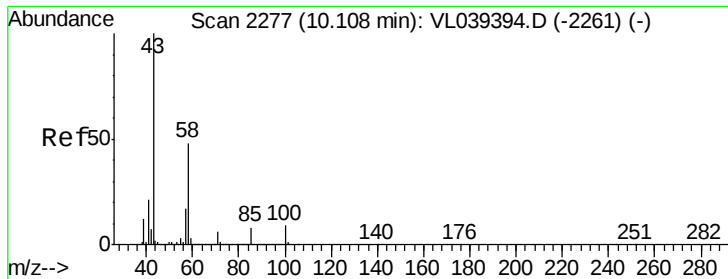
Ion Ratio Lower Upper

57 100

41 62.2 27.4 41.2#

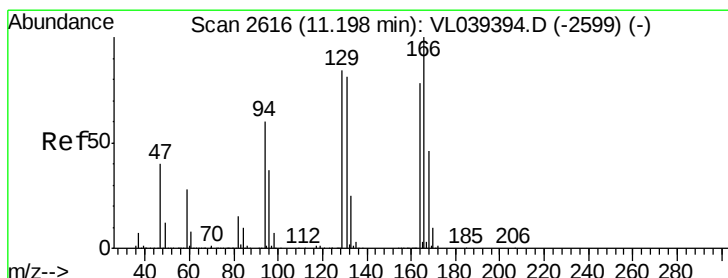
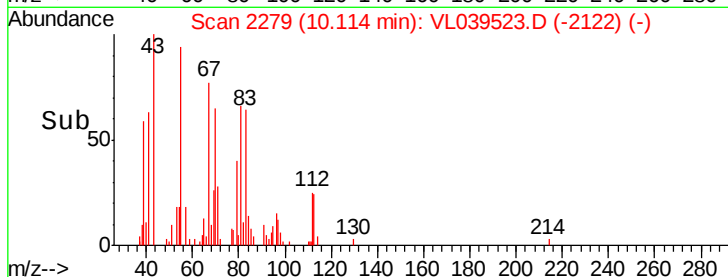
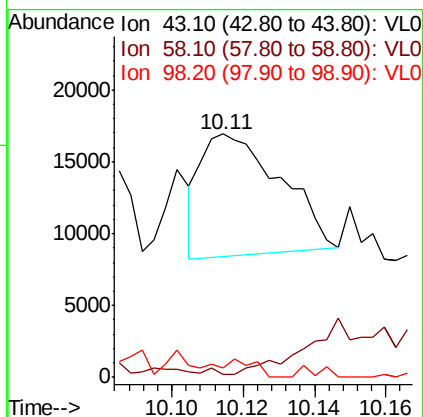
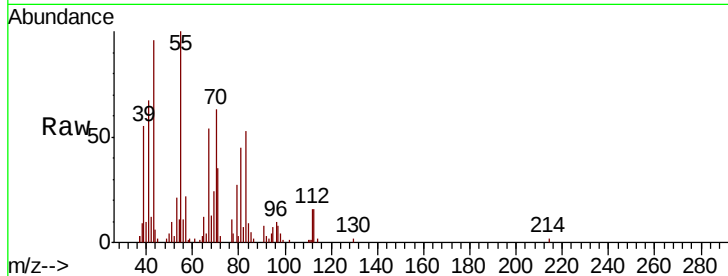
56 46.8 24.5 36.7#





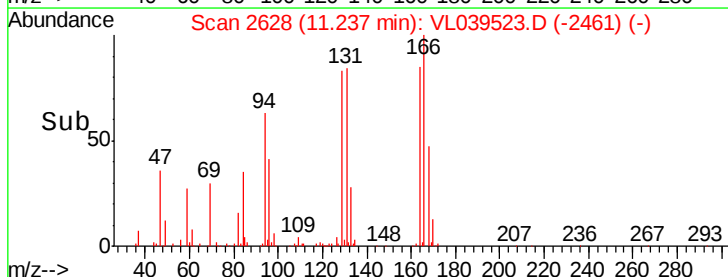
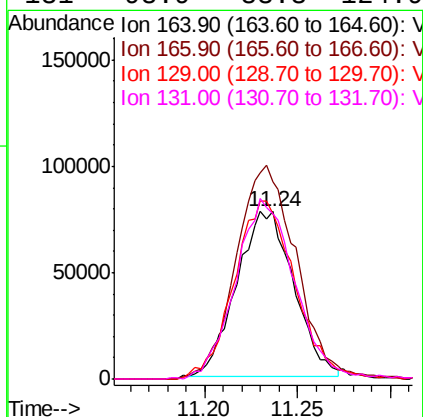
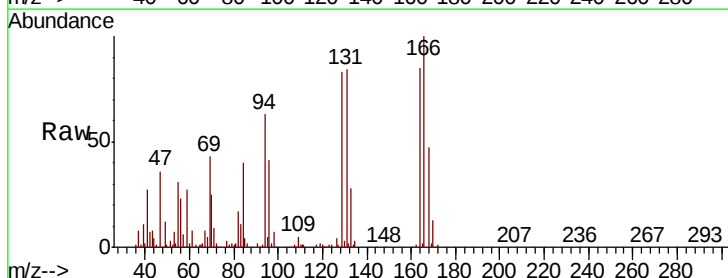
#51
 2-Hexanone
 Concen: 0.077 ppbv
 RT: 10.11 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Jul 2022 19:23

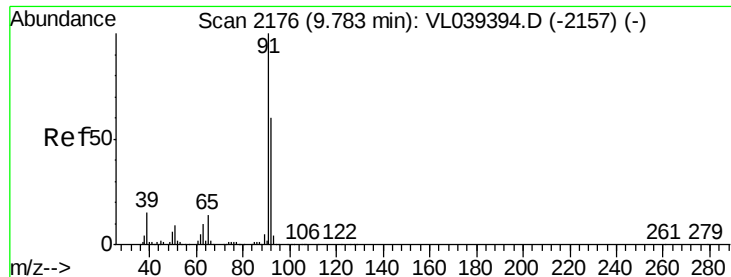
Tot Ion:	43	Resp:	13028
Ion	Ratio	Lower	Upper
43	100		
58	70.3	38.4	57.6#
98	16.4	0.3	0.5#



#52
 Tetrachloroethene
 Concen: 1.806 ppbv
 RT: 11.24 min Scan# 2628
 Delta R.T. 0.04 min
 Lab File: VL039523.D
 Acq: 25 Jul 2022 19:23

Tgt Ion:	164	Resp:	164802
Ion	Ratio	Lower	Upper
164	100		
166	117.7	102.2	153.2
129	97.4	85.8	128.8
131	98.9	83.3	124.9





#53

Toluene

Concen: 1.084 ppbv

RT: 9.82 Instrument: MSVOA_1

Delta R.T. 0.03 min

Lab File: ClientSampleId: ENV-DE-5-SV

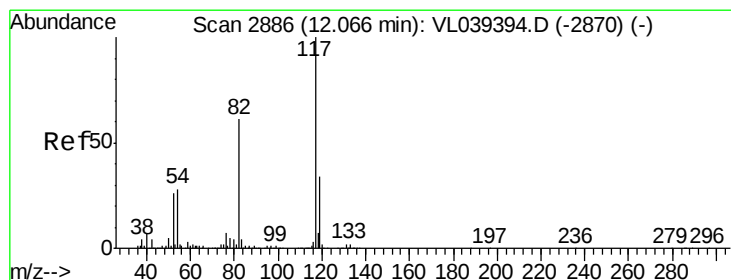
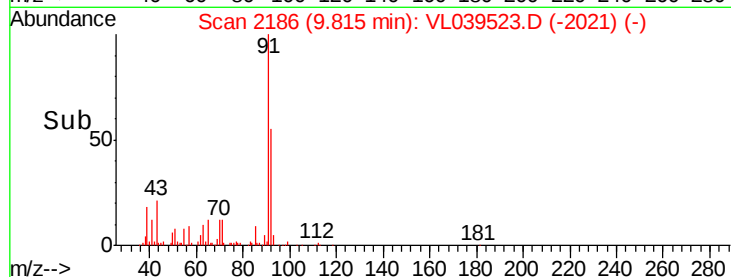
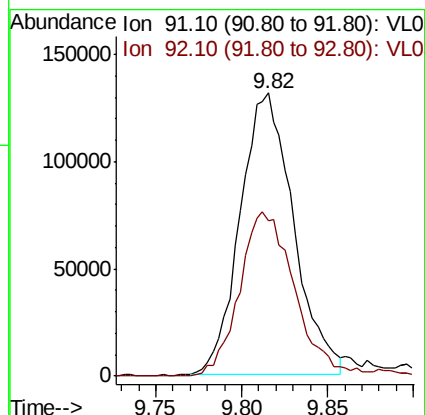
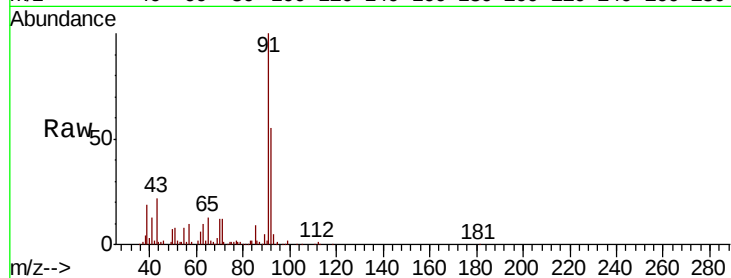
Acq: 25 Jul 2022 19:23

Tot Ion: 91 Resp: 283567

Ion Ratio Lower Upper

91 100

92 61.9 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.03 min

Lab File: VL039523.D

Acq: 25 Jul 2022 19:23

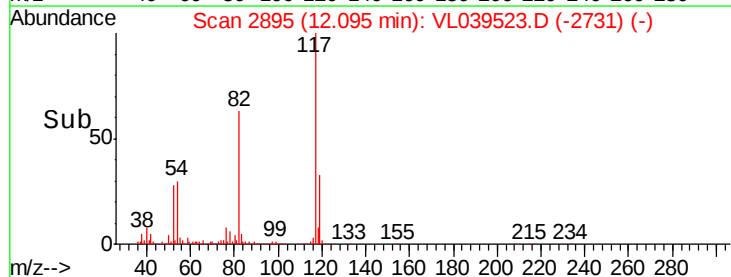
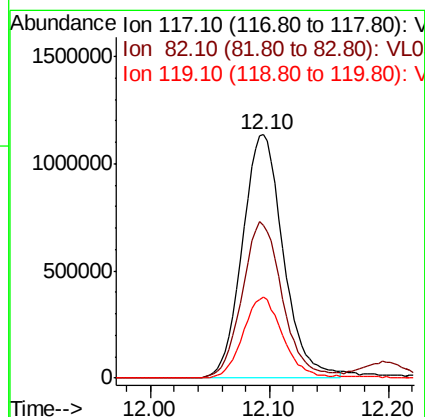
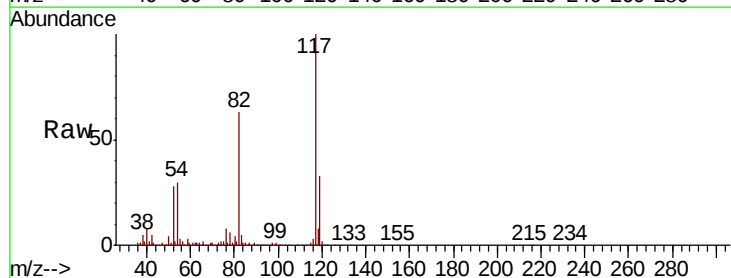
Tgt Ion: 117 Resp: 2704014

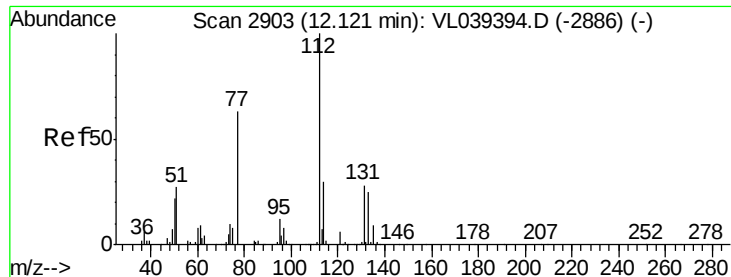
Ion Ratio Lower Upper

117 100

82 63.2 50.8 76.2

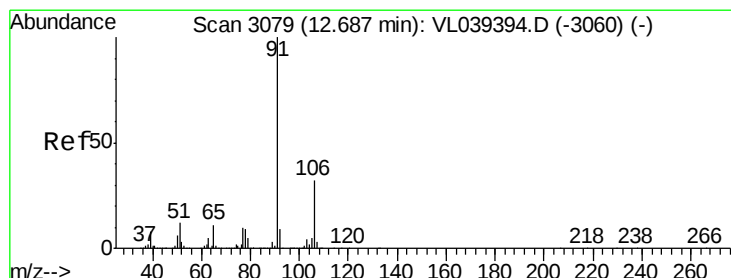
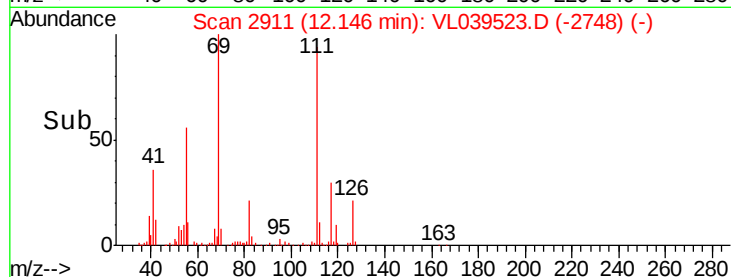
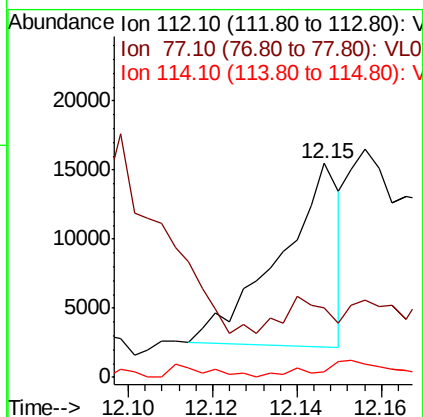
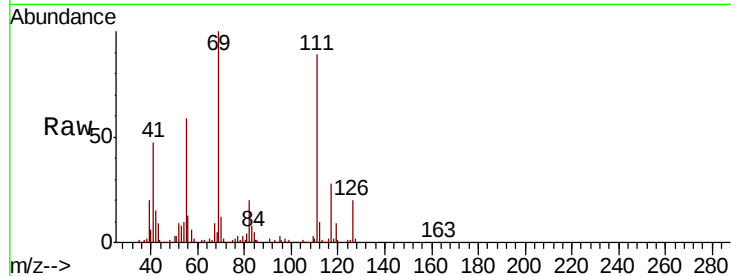
119 33.3 24.1 36.1





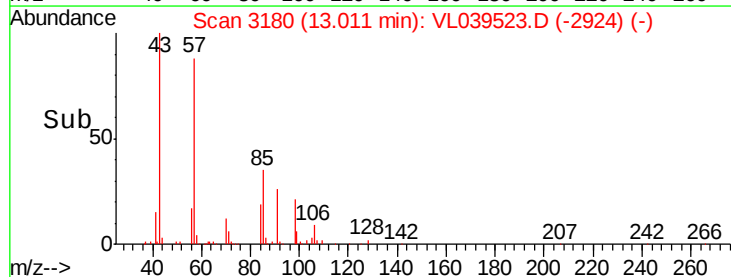
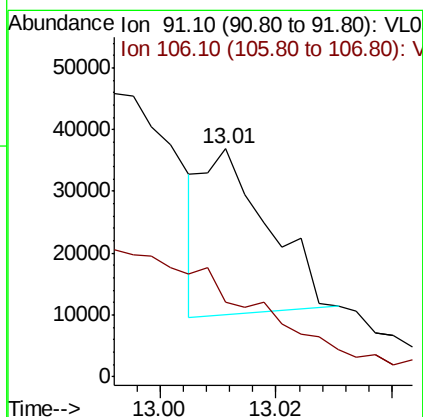
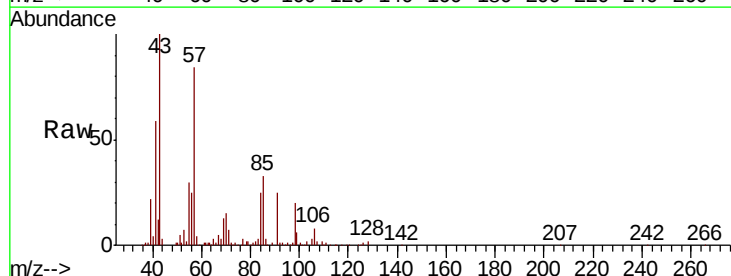
#57
Chlorobenzene
Concen: 0.063 ppbv
RT: 12.15 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Jul 2022 19:23

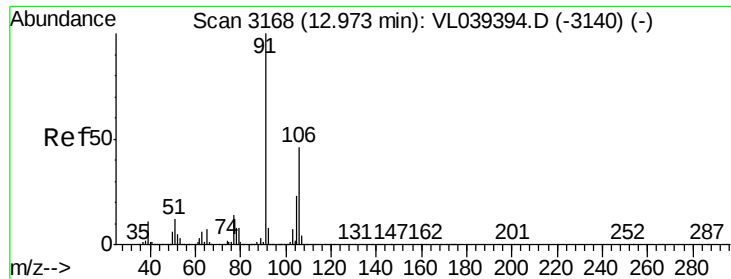
Tot Ion: 112 Resp: 13223
Ion Ratio Lower Upper
112 100
77 8.9 51.0 76.4#
114 0.0 27.5 33.6#



#58
Ethyl Benzene
Concen: 0.059 ppbv
RT: 13.01 min Scan# 3180
Delta R.T.: 0.32 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

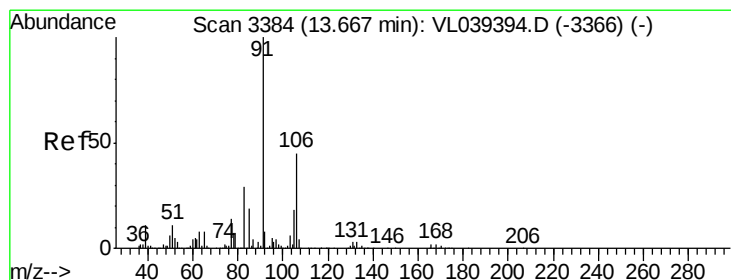
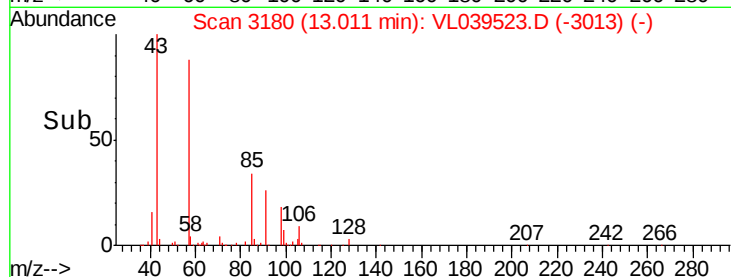
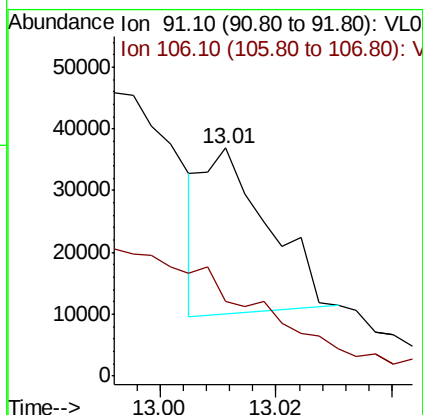
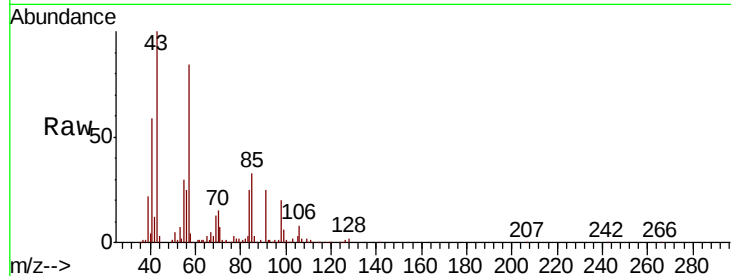
Tgt Ion: 91 Resp: 20431
Ion Ratio Lower Upper
91 100
106 28.8 25.4 38.0





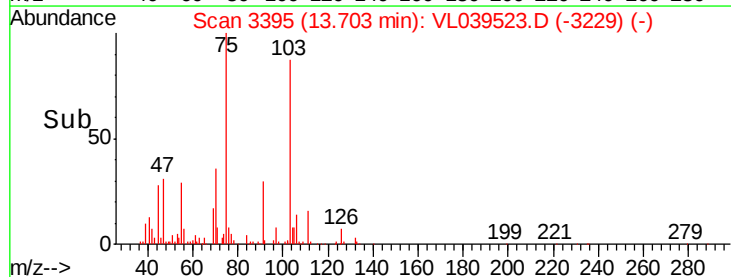
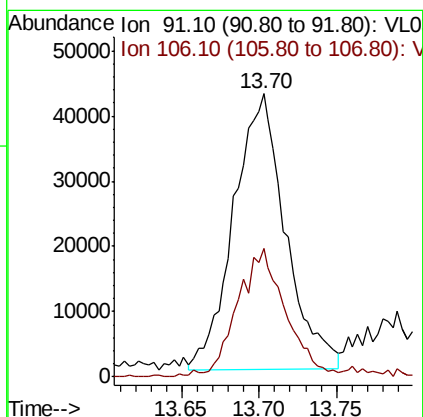
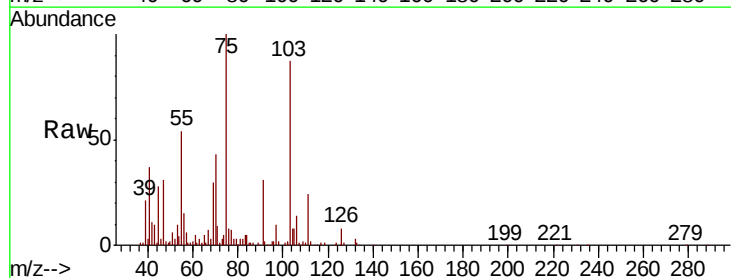
#59
m/p-Xylene
Concen: 0.066 ppbv
RT: 13.01 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Jul 2022 19:23

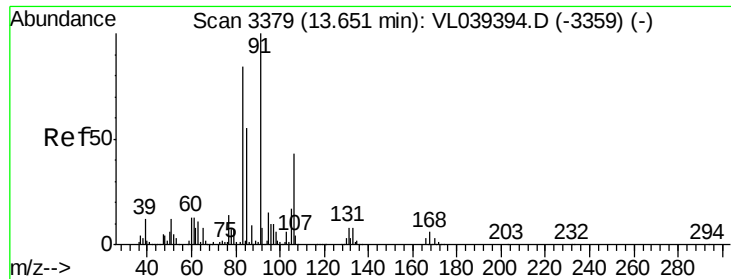
Tot Ion: 91 Resp: 20431
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#



#60
o-Xylene
Concen: 0.338 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.04 min
Lab File: VL039523.D
Acq: 25 Jul 2022 19:23

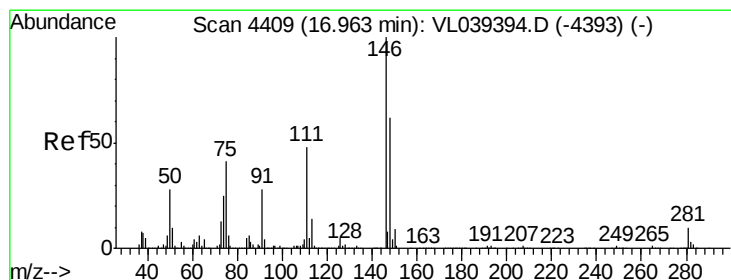
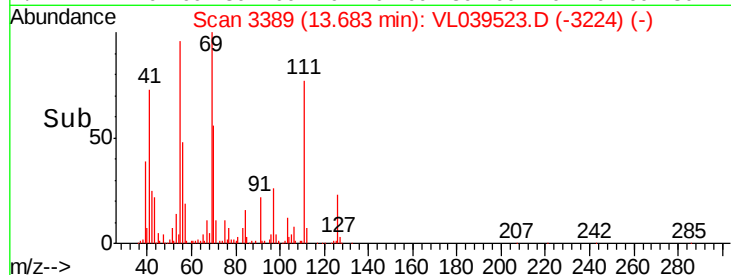
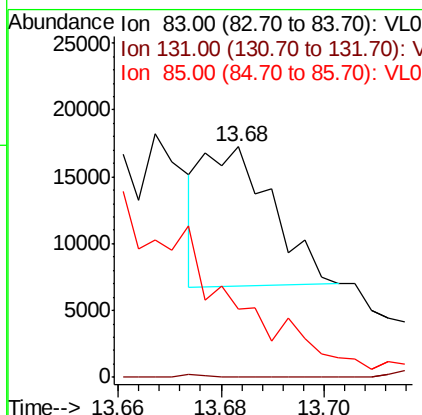
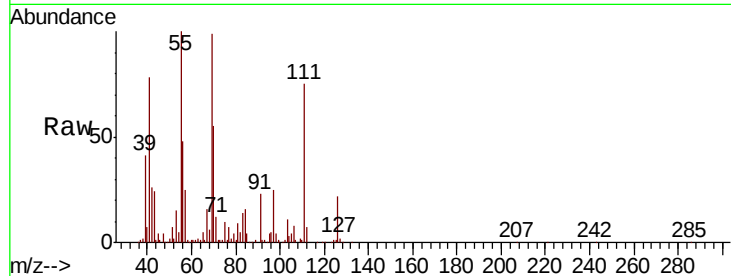
Tgt Ion: 91 Resp: 98625
Ion Ratio Lower Upper
91 100
106 45.2 22.4 67.3





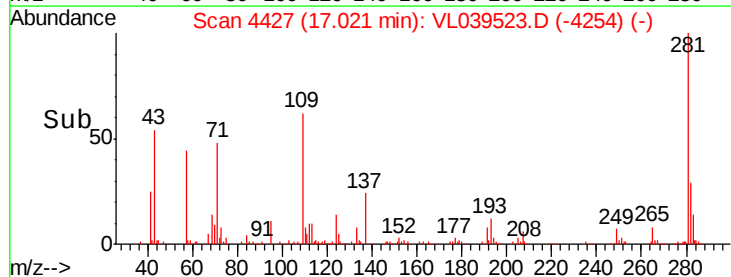
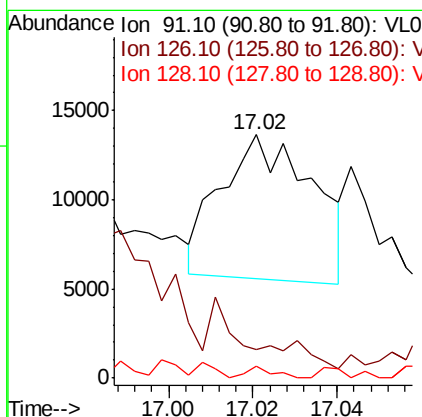
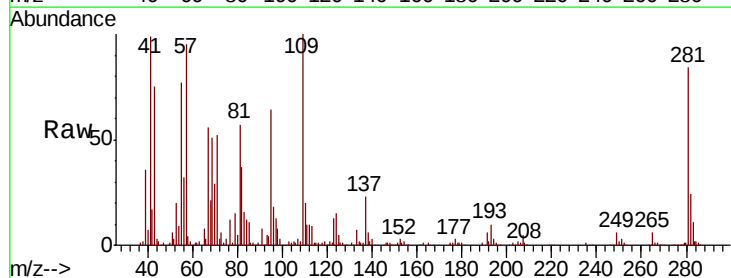
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.063 ppbv
 RT: 13.68 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Jul 2022 19:23

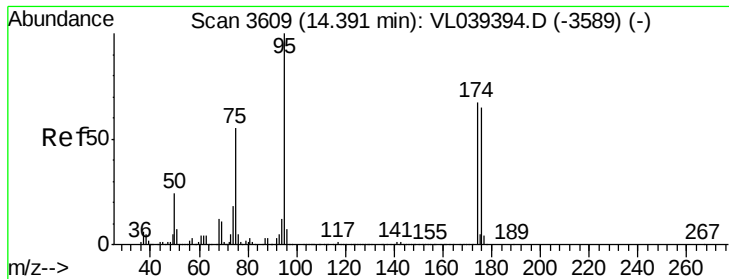
Tot Ion: 83 Resp: 9622
 Ion Ratio Lower Upper
 83 100
 131 0.7 5.3 15.8#
 85 0.0 33.1 99.5#



#66
 Benzyl Chloride
 Concen: 0.314 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. 0.06 min
 Lab File: VL039523.D
 Acq: 25 Jul 2022 19:23

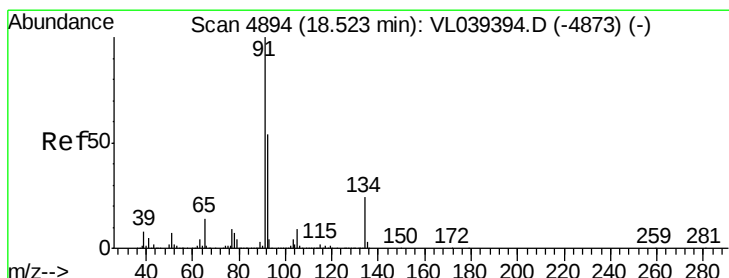
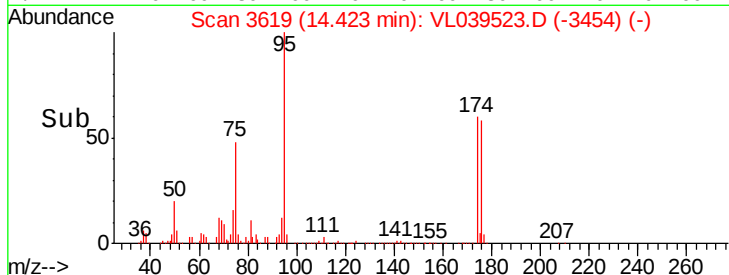
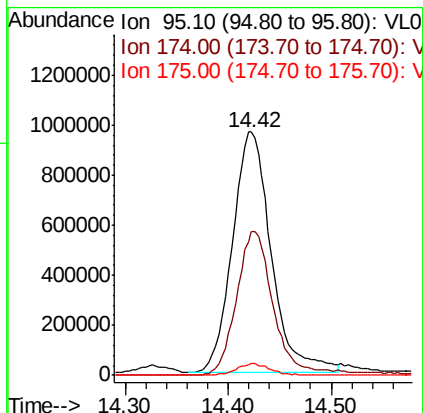
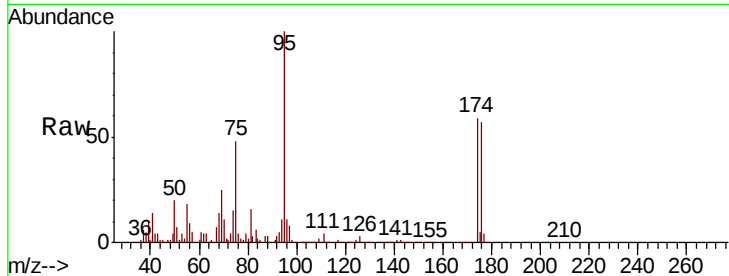
Tgt Ion: 91 Resp: 12234
 Ion Ratio Lower Upper
 91 100
 126 0.0 13.1 19.7#
 128 11.4 4.4 6.6#





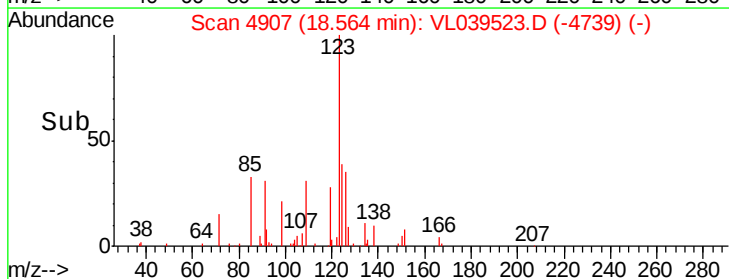
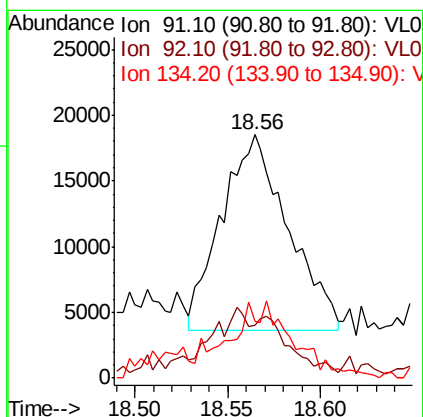
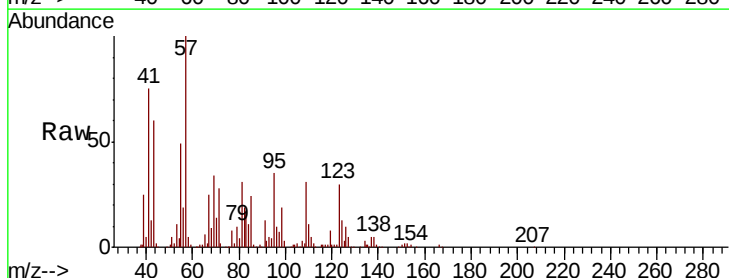
#68
 1-Bromo-4-Fluorobenzene
 Concen: 12.594 ppbv
 RT: 14.42 min
 Delta R.T. 0.04 min
 Lab File: VL039523.D
 Acq: 25 Jul 2022 19:23

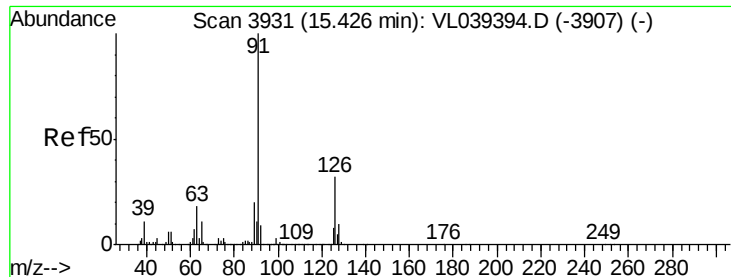
Tot Ion: 95 Resp: 2526278
 Ion Ratio Lower Upper
 95 100
 174 58.9 55.9 83.9
 175 4.4 4.2 6.4



#70
 n-Butylbenzene
 Concen: 0.082 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. 0.04 min
 Lab File: VL039523.D
 Acq: 25 Jul 2022 19:23

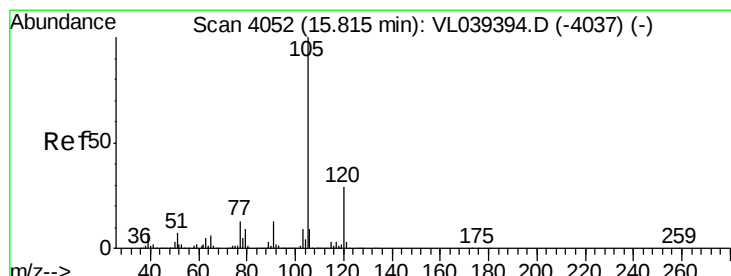
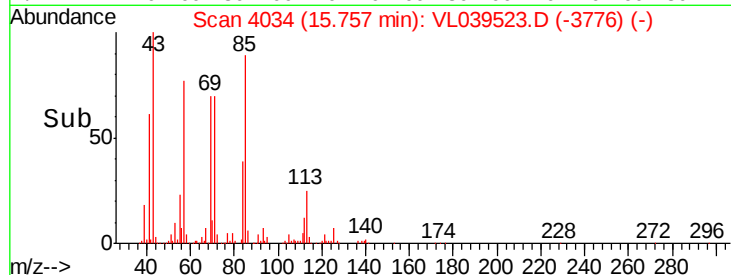
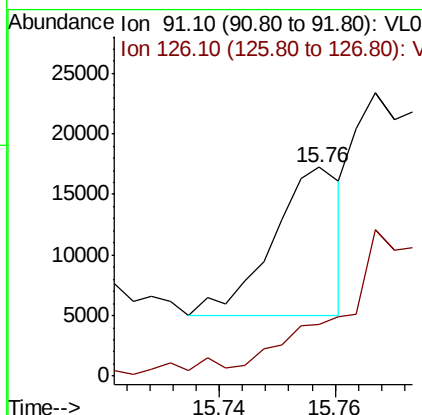
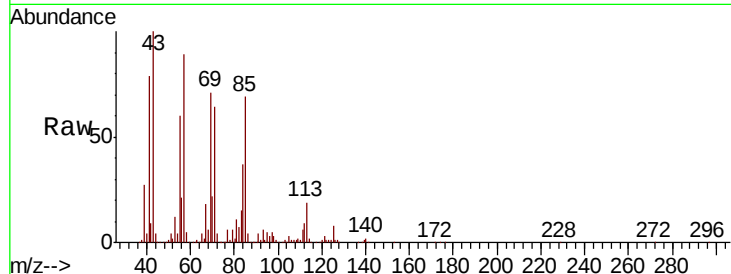
Tgt Ion: 91 Resp: 37261
 Ion Ratio Lower Upper
 91 100
 92 36.9 43.4 65.2#
 134 38.9 18.9 28.3#





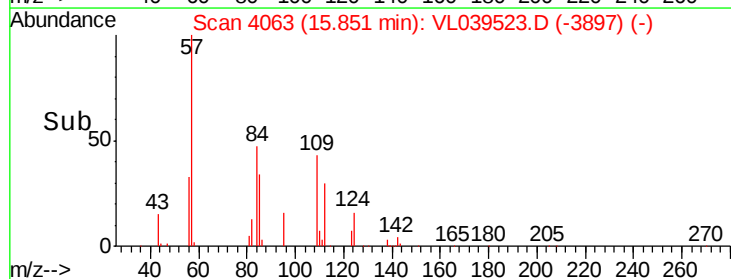
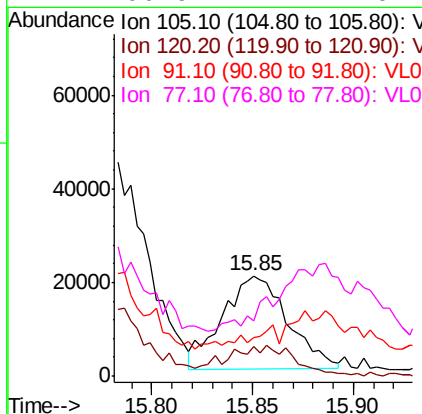
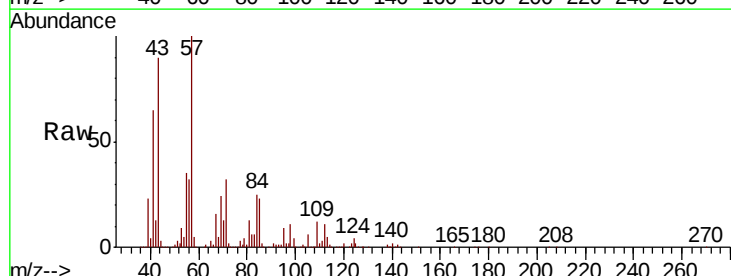
#71
 2-Chlorotoluene
 Concen: 0.032 ppbv
 RT: 15.76 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 25 Jul 2022 19:23

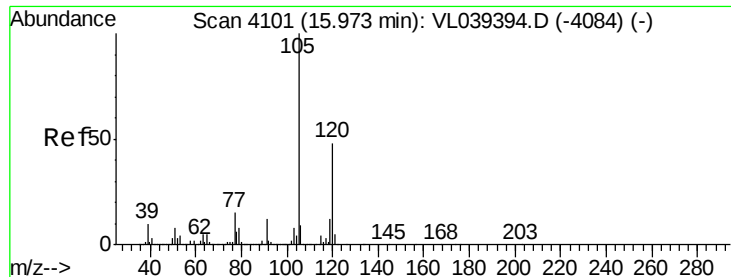
Tot Ion: 91 Resp: 10042
 Ion Ratio Lower Upper
 91 100
 126 40.8 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 0.132 ppbv
 RT: 15.85 min Scan# 4063
 Delta R.T. 0.04 min
 Lab File: VL039523.D
 Acq: 25 Jul 2022 19:23

Tgt Ion: 105 Resp: 45275
 Ion Ratio Lower Upper
 105 100
 120 34.4 24.2 36.2
 91 65.4 10.2 15.4#
 77 100.9 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.169 ppbv

RT: 16.01 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

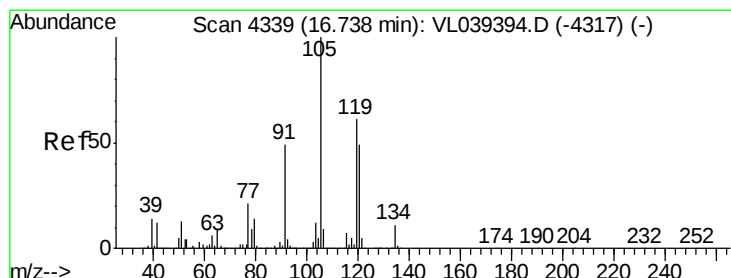
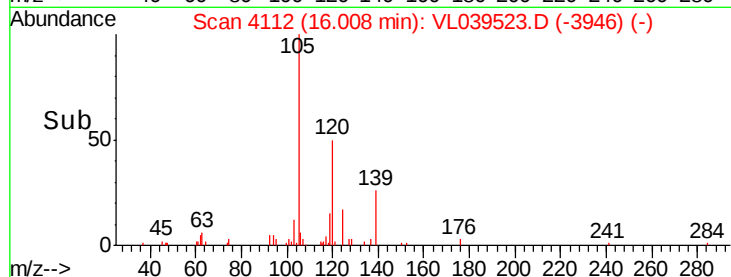
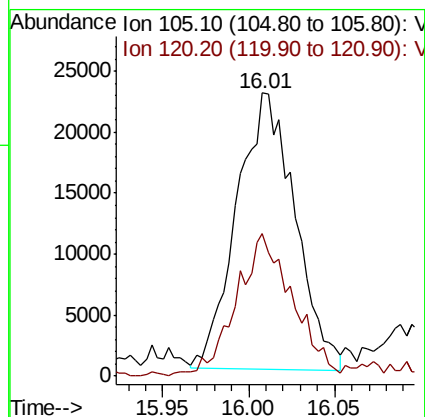
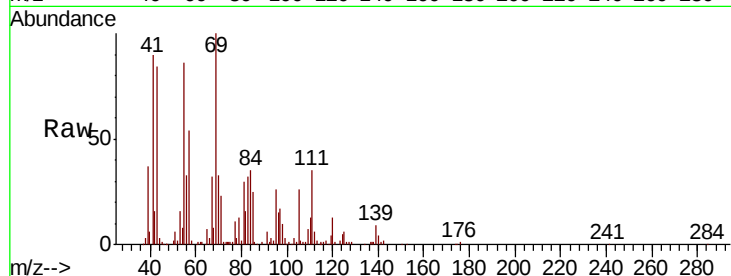
Acq: 25 Jul 2022 19:23

Tot Ion:105 Resp: 53276

Ion Ratio Lower Upper

105 100

120 51.6 38.2 57.4



#74

1,2,4-Trimethylbenzene

Concen: 0.445 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.03 min

Lab File: VL039523.D

Acq: 25 Jul 2022 19:23

Tgt Ion:105 Resp: 154860

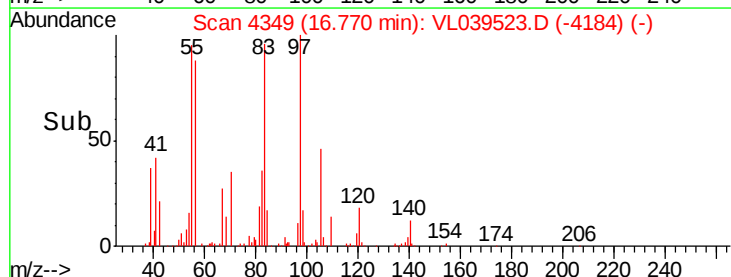
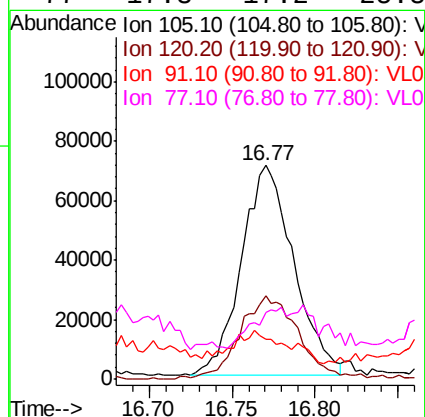
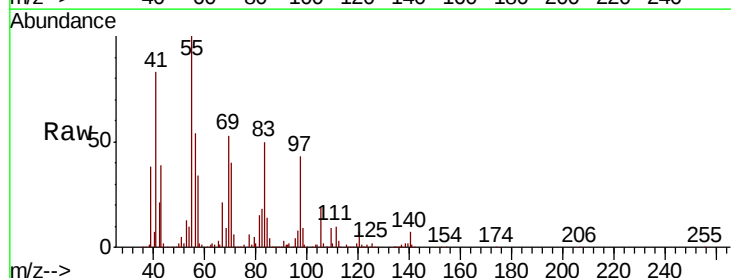
Ion Ratio Lower Upper

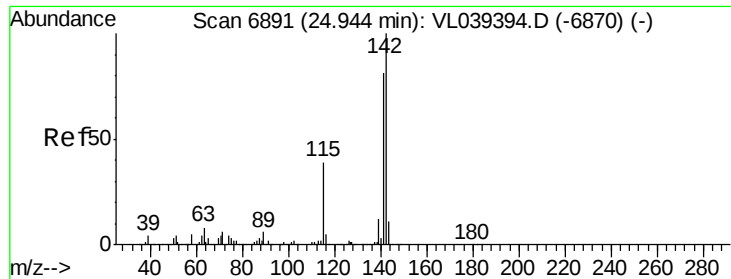
105 100

120 37.9 39.5 59.3#

91 8.4 39.2 58.8#

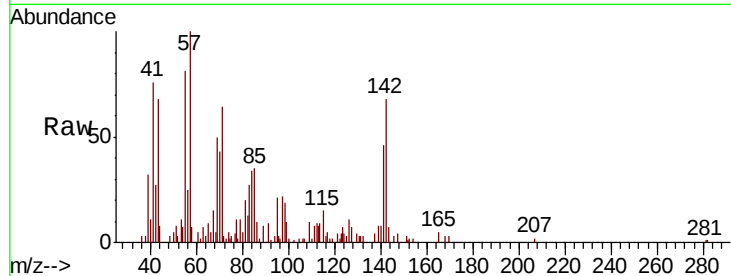
77 17.3 17.2 25.8





#80
 Naphthalene, 2-methyl-
 Concen: 0.203 ppbv
 RT: 24.97
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Jul 2022 19:23

Tot Ion	Ratio	Lower	Upper
142	100		
141	103.1	68.9	103.3
115	58.5	30.0	45.0



Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

