

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060622\
 Data File : VL039197.D
 Acq On : 6 Jun 2022 23:21
 Operator : SY/AP
 Sample : N3110-06 2X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 07 03:19:30 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	1252859	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3347833	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3111120	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2449750	9.52	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	63562	0.289	ppbv 98
3) Chlorodifluoromethane	2.99	51	140733	0.883	ppbv # 73
4) Chloromethane	3.14	50	28372	0.346	ppbv 97
9) Propene	3.02	41	57098	0.821	ppbv # 70
10) Heptane	8.12	43	44008	0.271	ppbv 85
11) Trichlorofluoromethane	3.95	101	55056	0.276	ppbv 89
13) Ethanol	3.60	45	607499	160.259	ppbv # 100
15) Acetone	3.84	43	2194514	16.815	ppbv 99
16) 1,3-Butadiene	3.31	39	36699	0.523	ppbv # 15
17) tert-Butyl alcohol	4.29	59	20118	0.199	ppbv # 70
19) Isopropyl Alcohol	3.96	45	158976	2.597	ppbv # 1
20) Methylene Chloride	4.34	84	873204	15.877	ppbv 96
23) Vinyl Acetate	5.05	43	84930	0.787	ppbv # 7
25) Ethyl Acetate	5.68	43	1286595	4.374	ppbv # 80
26) Hexane	5.68	57	1616078	12.502	ppbv # 42
27) Carbon Disulfide	4.55	76	94067	0.702	ppbv 96
29) Chloroform	5.75	83	55074	0.253	ppbv 92
30) Cyclohexane	7.12	84	12039	0.111	ppbv # 1
31) cis-1,2-Dichloroethene	5.67	61	22759	0.173	ppbv # 32
34) 2-Butanone	5.24	43	311149	1.711	ppbv 95
36) Benzene	6.88	78	127412	0.469	ppbv 96
39) 1,2-Dichloropropane	7.17	63	815886	7.547	ppbv # 23
41) Tetrahydrofuran	6.31	42	14233	0.130	ppbv # 38
44) 2,2,4-Trimethylpentane	7.86	57	63830	0.134	ppbv # 57
51) 2-Hexanone	10.12	43	57712	0.272	ppbv # 28
52) Tetrachloroethene	11.21	164	244006	2.299	ppbv 96
53) Toluene	9.80	91	501824	1.603	ppbv 99
58) Ethyl Benzene	12.70	91	345610	0.806	ppbv 95
59) m/p-Xylene	12.96	91	1233634	3.269	ppbv 94
60) o-Xylene	13.67	91	514142	1.450	ppbv 99
61) Styrene	13.51	104	39944	0.210	ppbv 92
62) Isopropylbenzene	14.65	105	45707	0.087	ppbv 94
64) n-propylbenzene	15.55	120	30824	0.238	ppbv # 1
65) tert-Butylbenzene	16.75	119	110935	0.230	ppbv # 60
67) sec-Butylbenzene	17.27	105	27079	0.041	ppbv # 71
69) p-Isopropyltoluene	17.64	119	40500	0.073	ppbv # 76
70) n-Butylbenzene	18.54	91	66680	0.117	ppbv # 70
72) 4-Ethyltoluene	15.82	105	307760	0.741	ppbv 99
73) 1,3,5-Trimethylbenzene	15.98	105	292160	0.779	ppbv 96
74) 1,2,4-Trimethylbenzene	16.75	105	1069661	2.557	ppbv # 64
79) Naphthalene	22.17	128	45517	0.141	ppbv # 94

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Instrument :
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ClientSampleId :

Quant Time: Jun 07 03:19:30 2022
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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

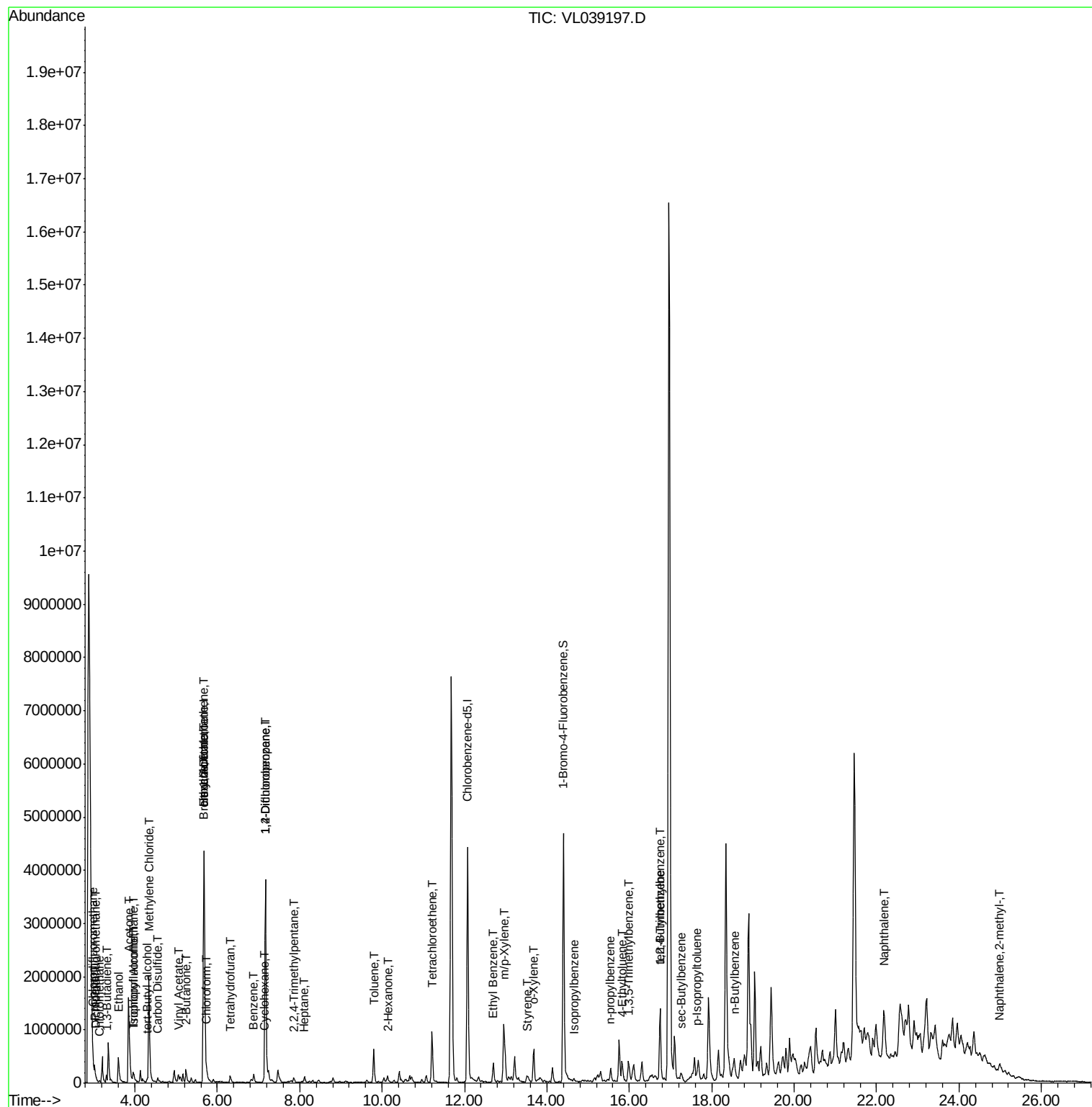
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	24.97	142	8014	0.067	ppbv	# 76

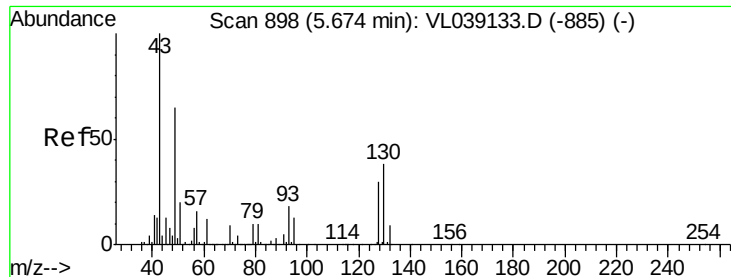
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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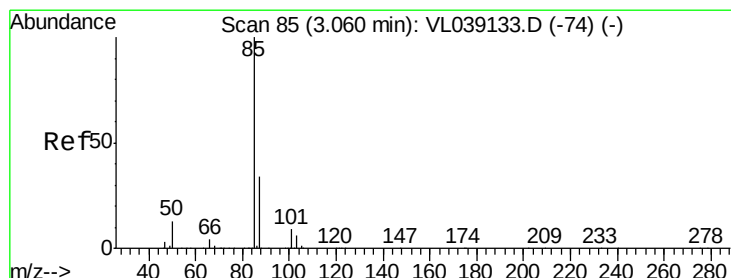
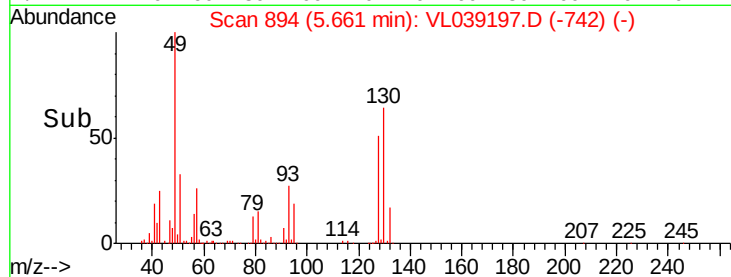
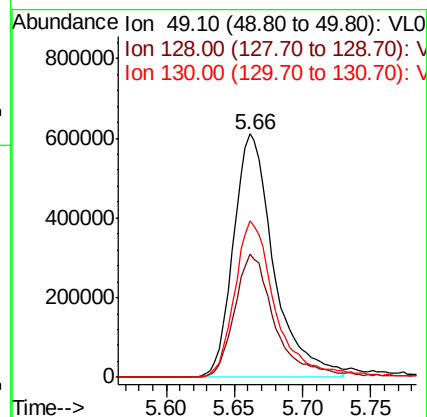
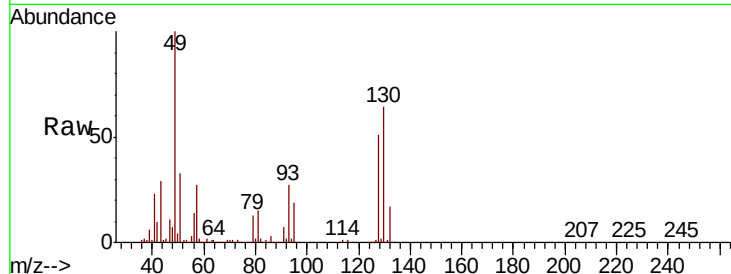
Quant Time: Jun 07 03:19:30 2022
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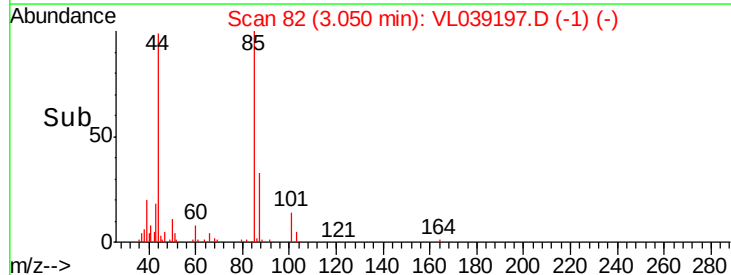
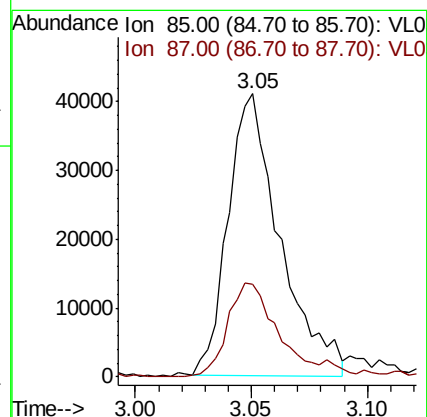
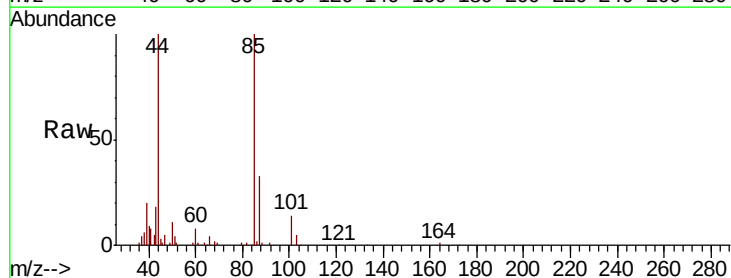
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 6 Jun 2022 23:21

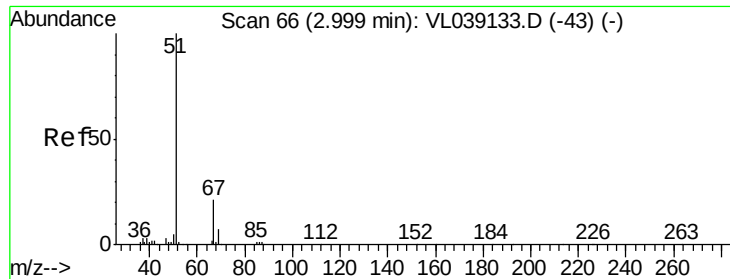
Tot Ion: 49 Resp: 1252859
 Ion Ratio Lower Upper
 49 100
 128 52.0 24.7 74.1
 130 66.9 31.4 94.0



#2
 Dichlorodifluoromethane
 Concen: 0.289 ppbv
 RT: 3.05 min Scan# 82
 Delta R.T. -0.01 min
 Lab File: VL039197.D
 Acq: 6 Jun 2022 23:21

Tgt Ion: 85 Resp: 63562
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.9 40.3





#3

Chlorodifluoromethane

Concen: 0.883 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

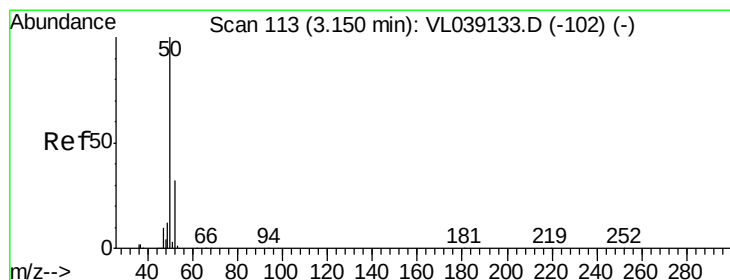
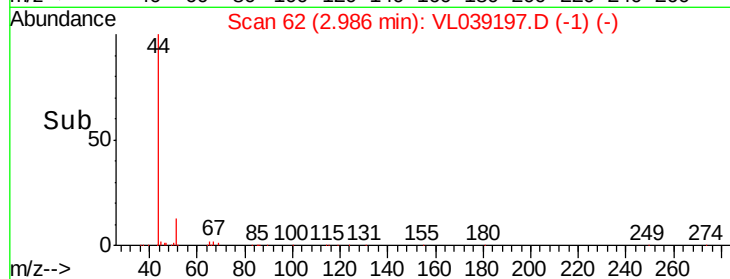
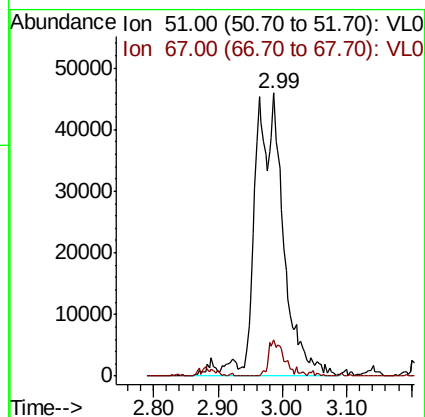
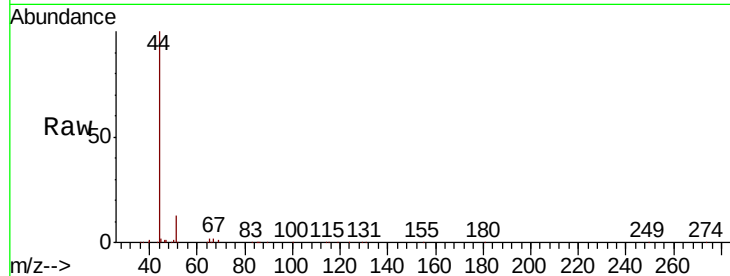
Acq: 6 Jun 2022 23:21

Tot Ion: 51 Resp: 140733

Ion Ratio Lower Upper

51 100

67 7.6 16.2 24.4#



#4

Chloromethane

Concen: 0.346 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.01 min

Lab File: VL039197.D

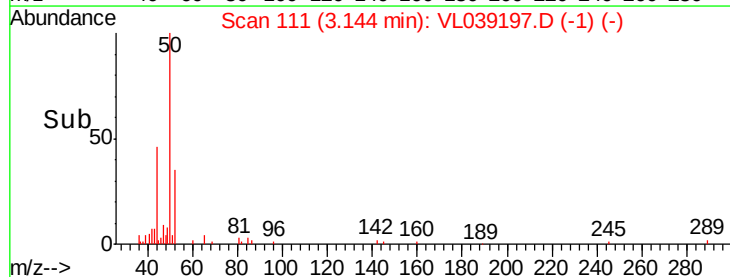
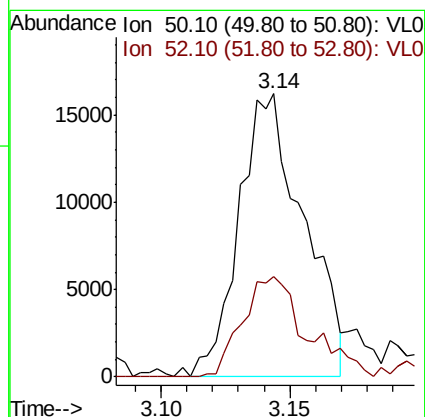
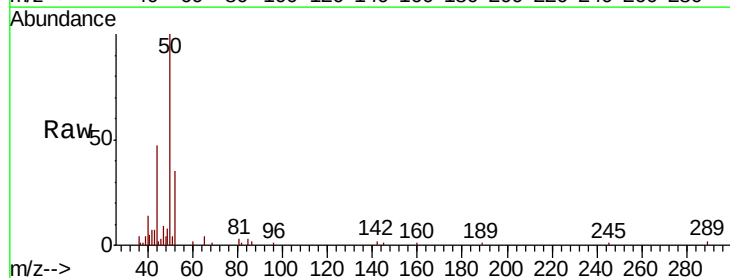
Acq: 6 Jun 2022 23:21

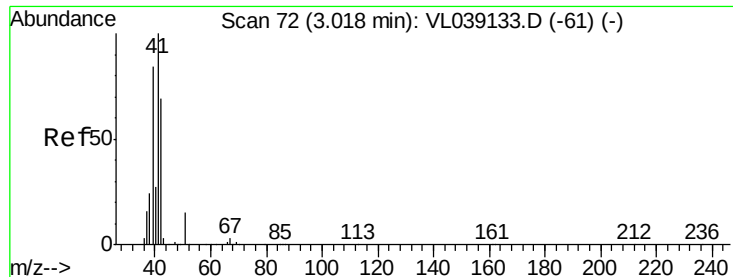
Tgt Ion: 50 Resp: 28372

Ion Ratio Lower Upper

50 100

52 34.0 25.9 38.9





#9

Propene

Concen: 0.821 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

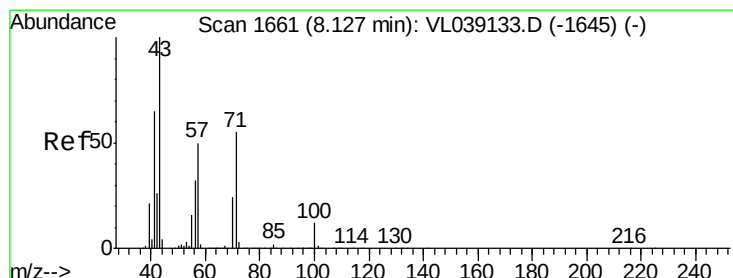
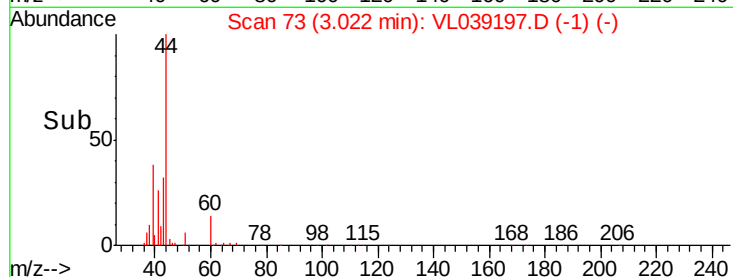
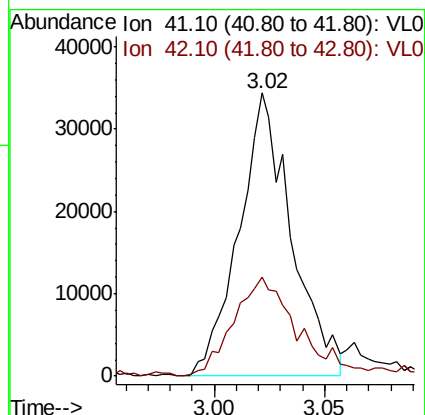
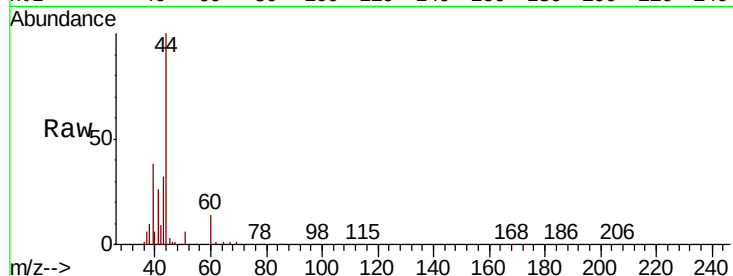
Acq: 6 Jun 2022 23:21

Tot Ion: 41 Resp: 57098

Ion Ratio Lower Upper

41 100

42 45.2 55.4 83.2#



#10

Heptane

Concen: 0.271 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL039197.D

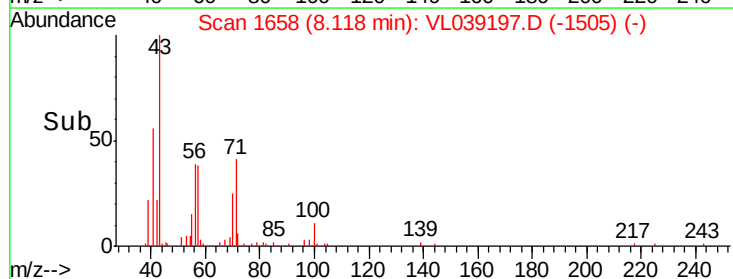
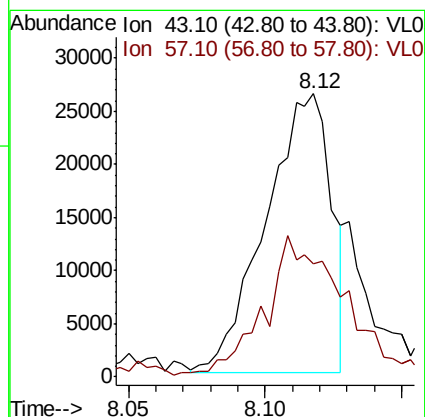
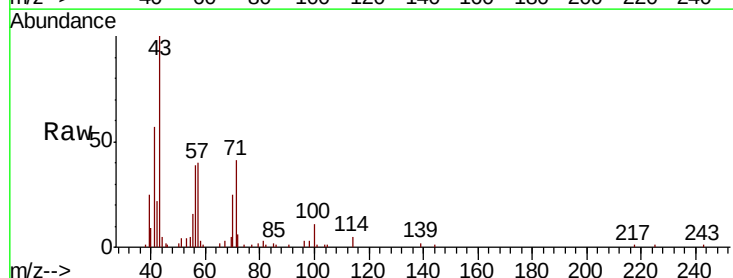
Acq: 6 Jun 2022 23:21

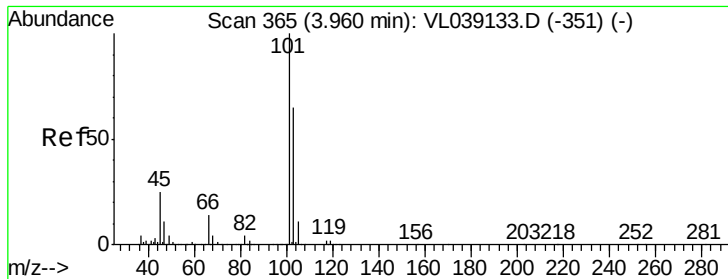
Tgt Ion: 43 Resp: 44008

Ion Ratio Lower Upper

43 100

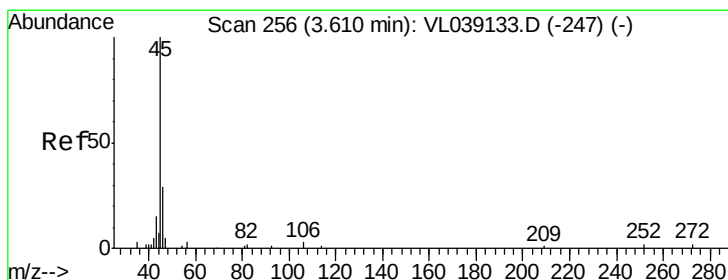
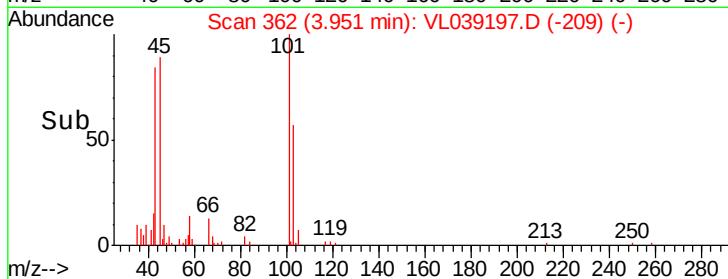
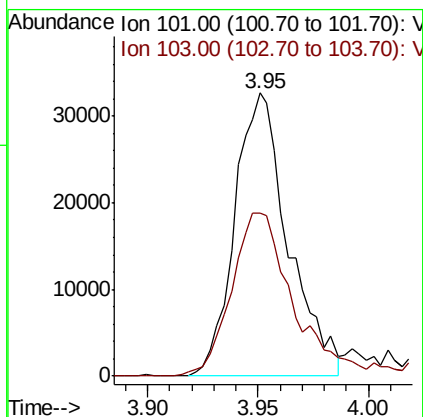
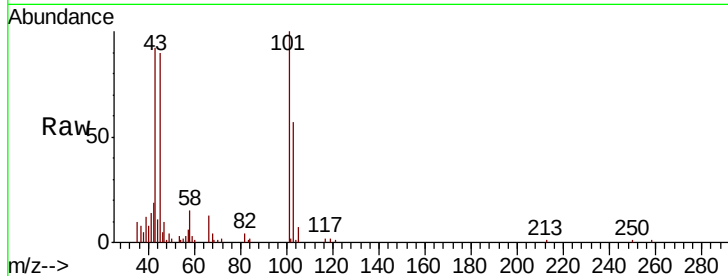
57 62.0 41.4 62.2





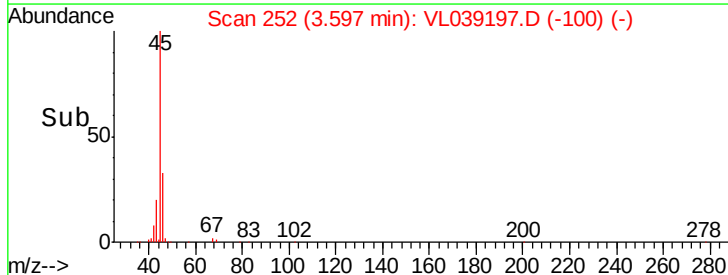
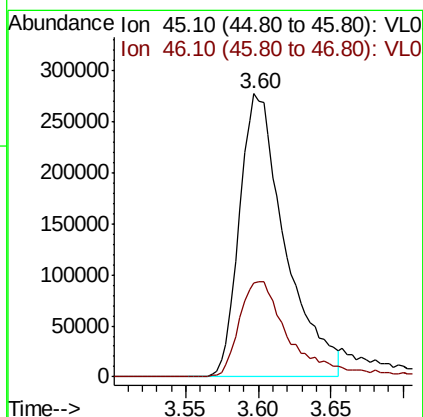
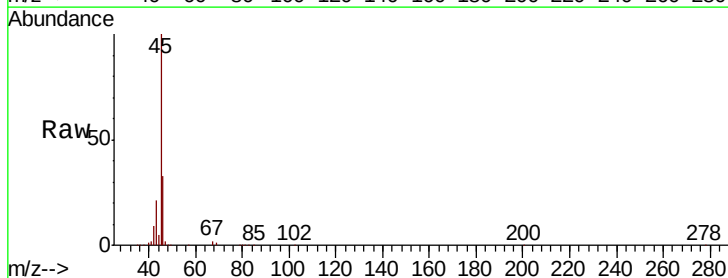
#11
 Trichlorofluoromethane
 Concen: 0.276 ppbv
 RT: 3.95
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 6 Jun 2022 23:21

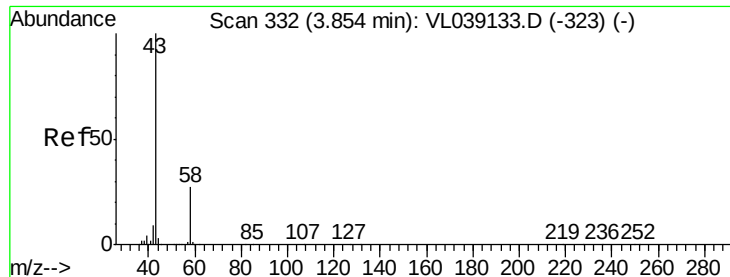
Tot Ion: 101 Resp: 55056
 Ion Ratio Lower Upper
 101 100
 103 56.1 51.7 77.5



#13
 Ethanol
 Concen: 160.259 ppbv
 RT: 3.60 min Scan# 252
 Delta R.T. -0.01 min
 Lab File: VL039197.D
 Acq: 6 Jun 2022 23:21

Tgt Ion: 45 Resp: 607499
 Ion Ratio Lower Upper
 45 100
 46 38.4 0.0 0.0#





#15

Acetone

Concen: 16.815 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

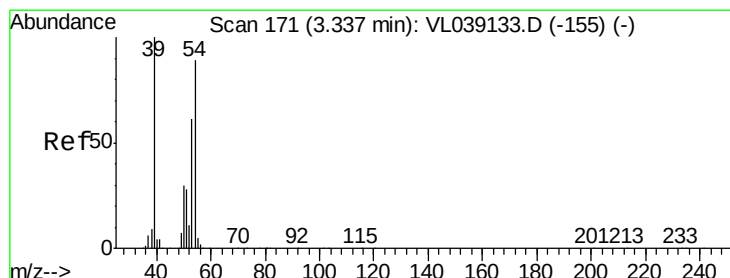
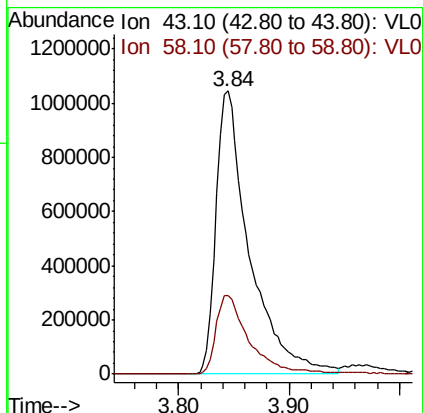
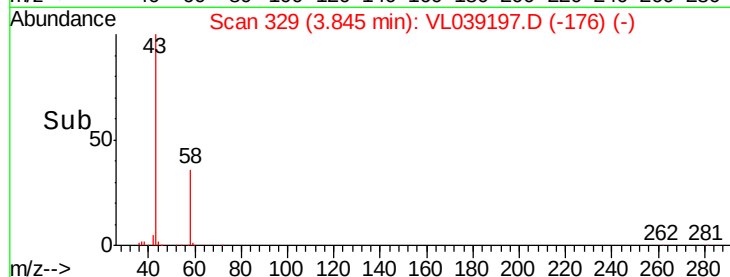
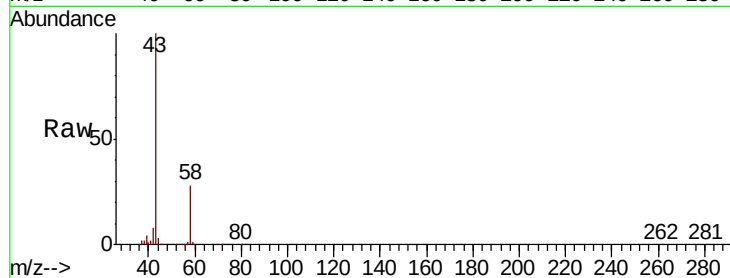
Acq: 6 Jun 2022 23:21

Tot Ion: 43 Resp: 2194514

Ion Ratio Lower Upper

43 100

58 28.7 22.5 33.7



#16

1,3-Butadiene

Concen: 0.523 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.03 min

Lab File: VL039197.D

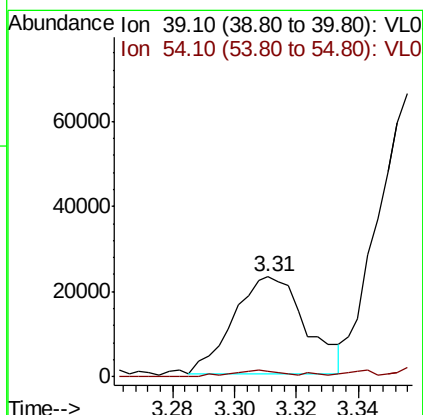
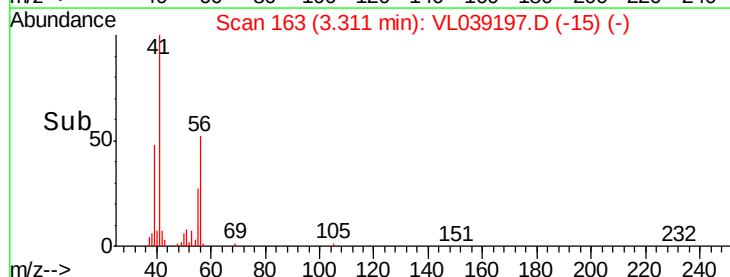
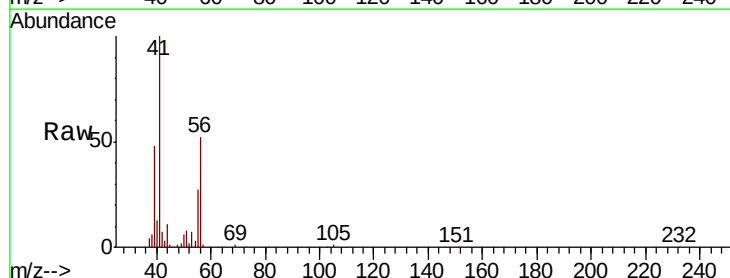
Acq: 6 Jun 2022 23:21

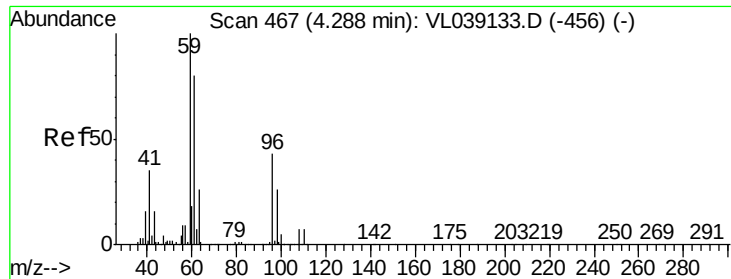
Tgt Ion: 39 Resp: 36699

Ion Ratio Lower Upper

39 100

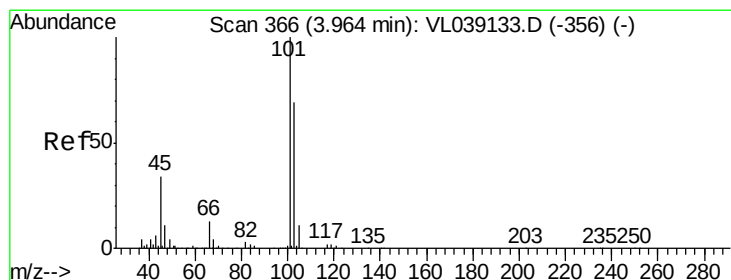
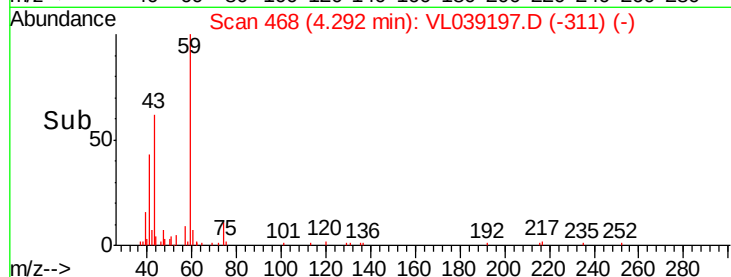
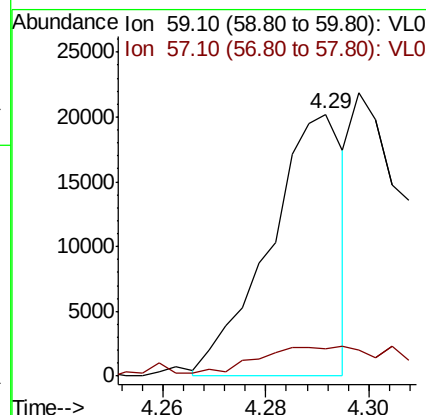
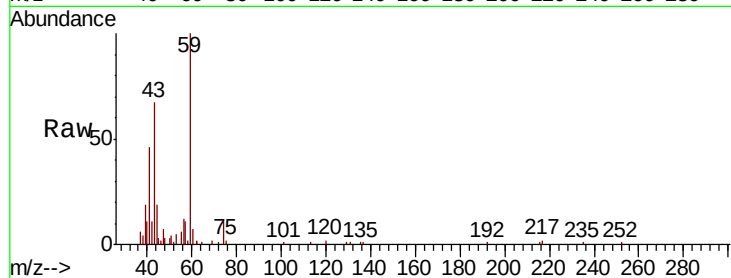
54 6.3 65.8 98.6#





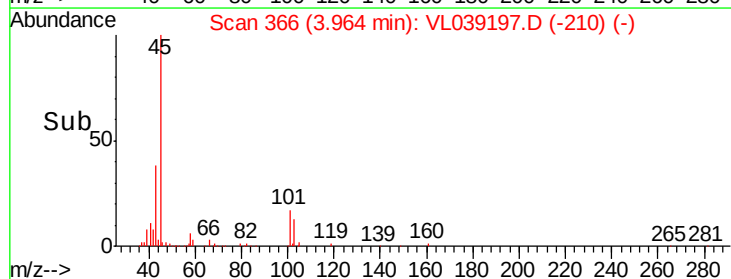
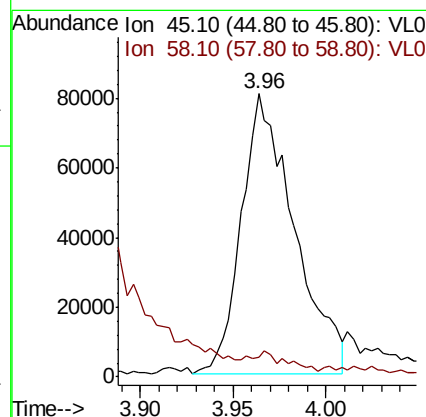
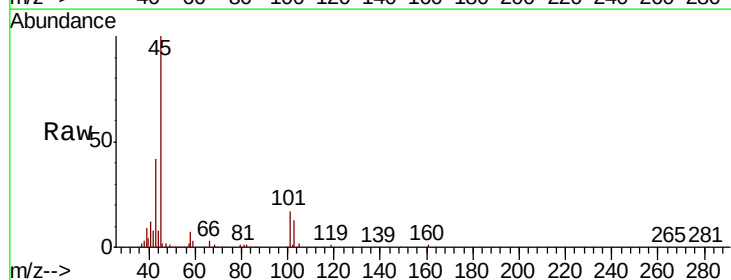
#17
 tert-Butyl alcohol
 Concen: 0.199 ppbv
 RT: 4.29
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 6 Jun 2022 23:21

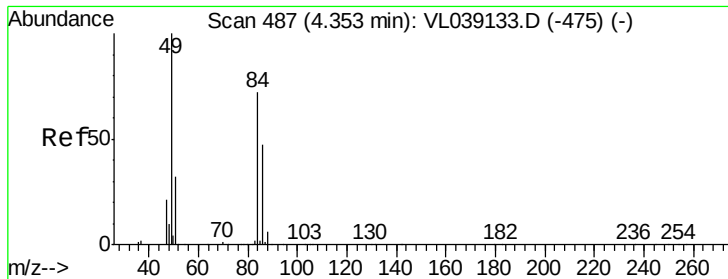
Tot Ion: 59 Resp: 20118
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.1 13.7#



#19
 Isopropyl Alcohol
 Concen: 2.597 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VL039197.D
 Acq: 6 Jun 2022 23:21

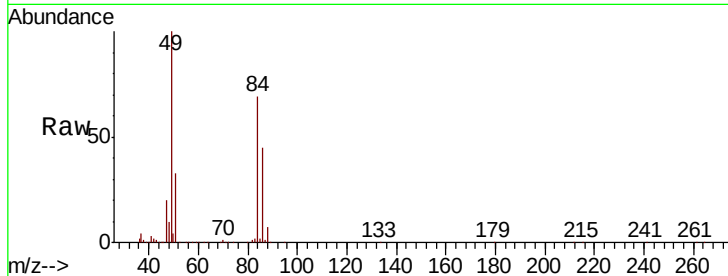
Tgt Ion: 45 Resp: 158976
 Ion Ratio Lower Upper
 45 100
 58 390.4 1.8 2.8#



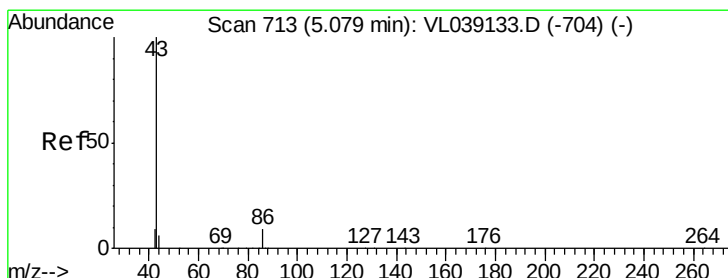
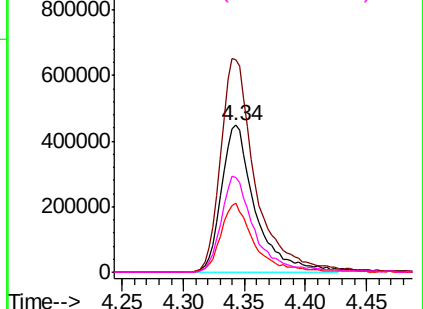
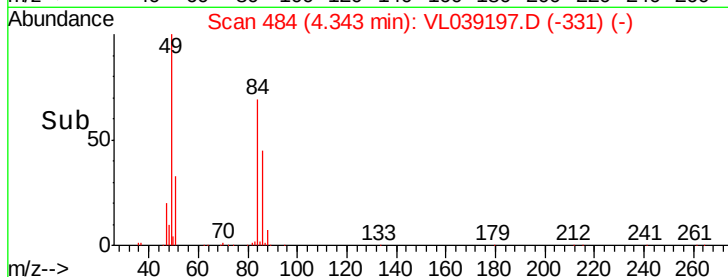


#20
Methvlene Chloride
Concen: 15.877 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 6 Jun 2022 23:21

Tot Ion:	84	Resp:	873204
Ion	Ratio	Lower	Upper
84	100		
49	144.8	111.1	166.7
51	47.4	35.3	52.9
86	64.9	51.9	77.9

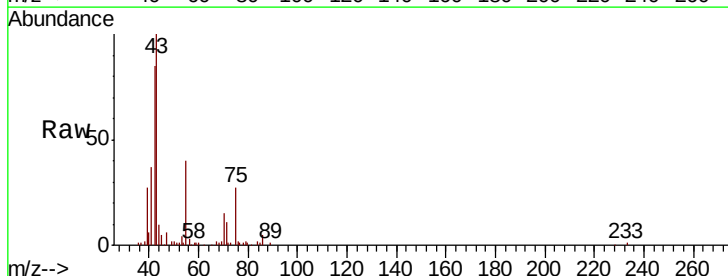


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

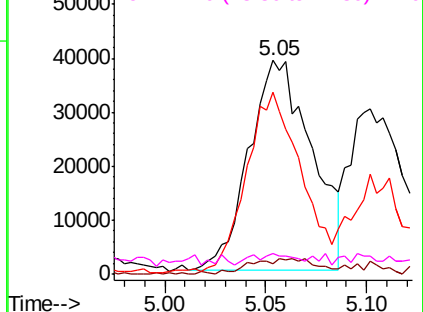
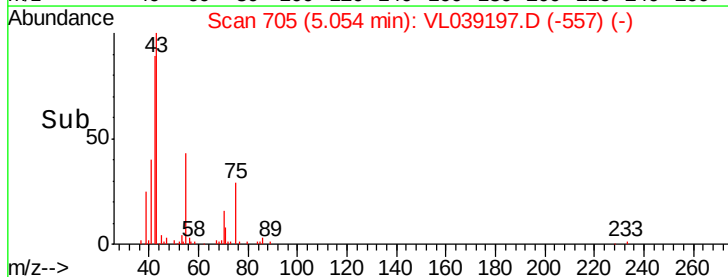


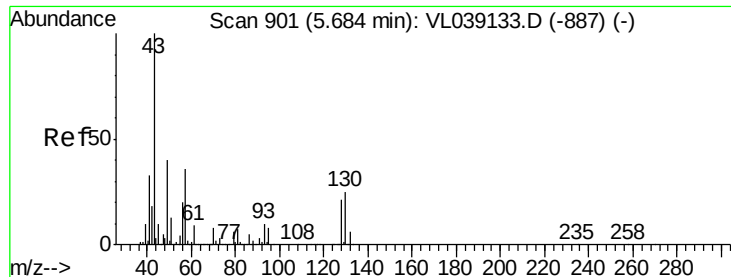
#23
Vinyl Acetate
Concen: 0.787 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.03 min
Lab File: VL039197.D
Acq: 6 Jun 2022 23:21

Tgt Ion:	43	Resp:	84930
Ion	Ratio	Lower	Upper
43	100		
86	4.8	6.0	9.0#
42	84.5	8.2	12.4#
44	2.6	4.3	6.5#



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

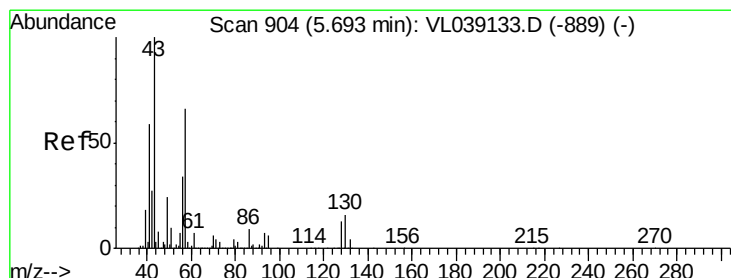
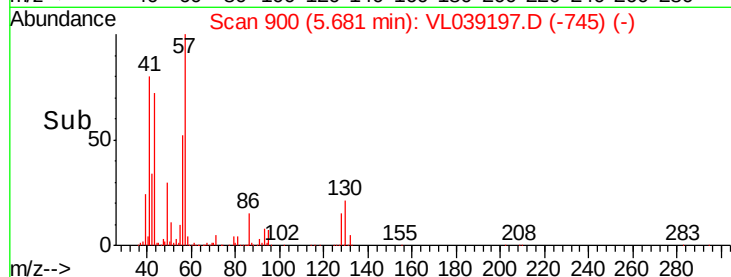
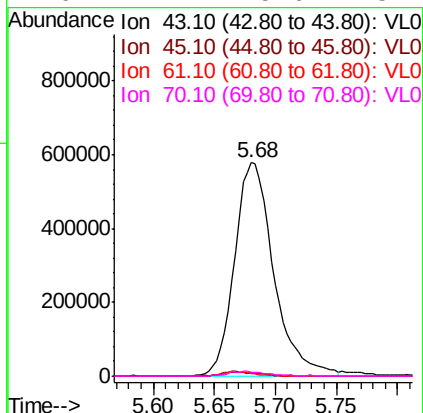
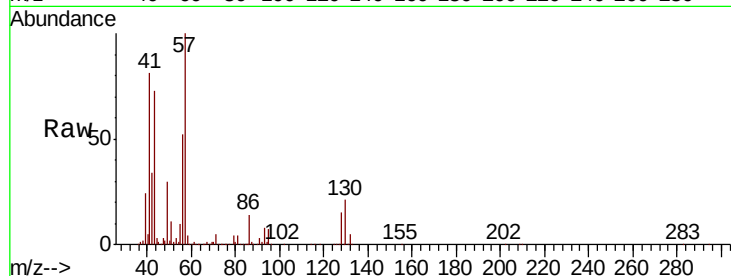




#25
Ethyl Acetate
Concen: 4.374 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 6 Jun 2022 23:21

Tot Ion: 43 Resp: 1286595

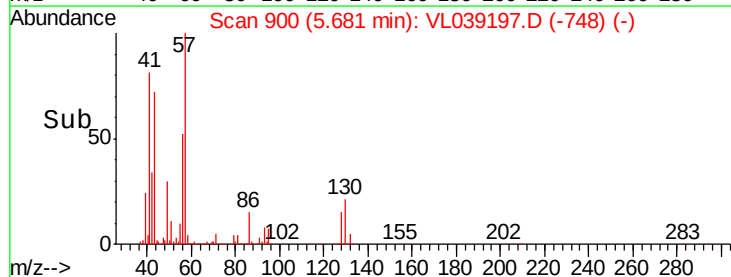
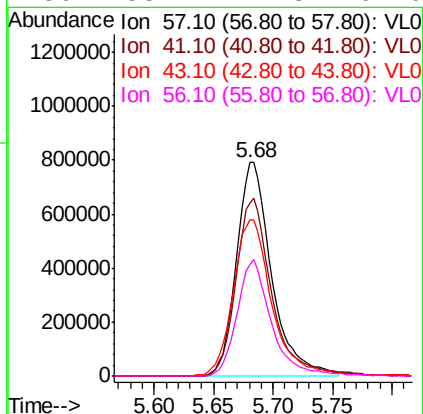
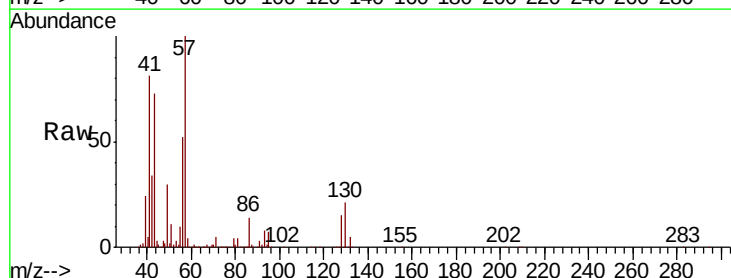
Ion	Ratio	Lower	Upper
43	100		
45	2.3	8.2	12.2#
61	2.0	8.4	12.6#
70	2.7	5.6	8.4#

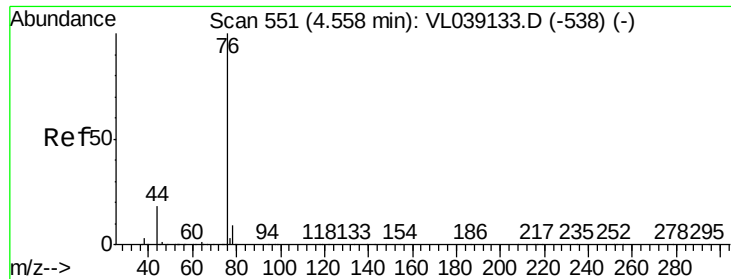


#26
Hexane
Concen: 12.502 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL039197.D
Acq: 6 Jun 2022 23:21

Tgt Ion: 57 Resp: 1616078

Ion	Ratio	Lower	Upper
57	100		
41	85.3	72.4	108.6
43	81.4	187.0	280.6#
56	53.7	41.8	62.6





#27

Carbon Disulfide

Concen: 0.702 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 6 Jun 2022 23:21

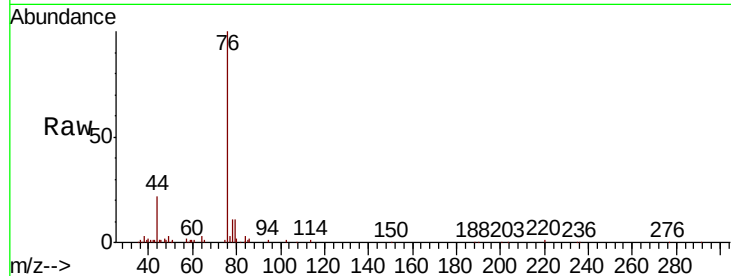
Tot Ion: 76 Resp: 94067

Ion Ratio Lower Upper

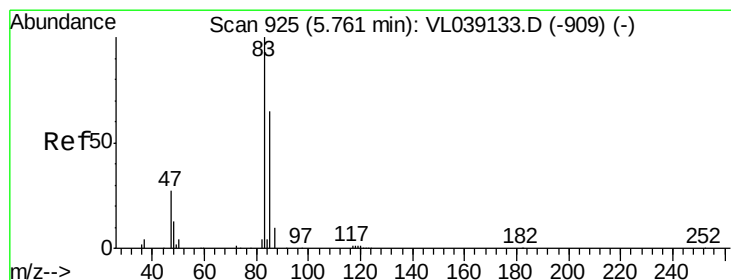
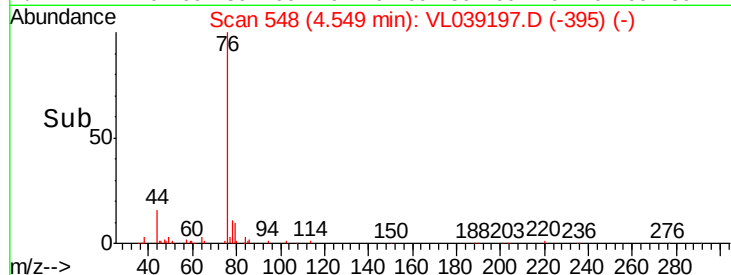
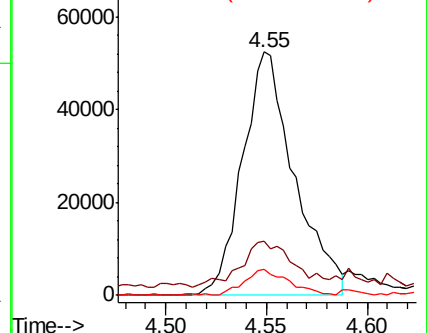
76 100

44 20.2 14.4 21.6

78 10.2 7.7 11.5



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: 0.253 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.01 min

Lab File: VL039197.D

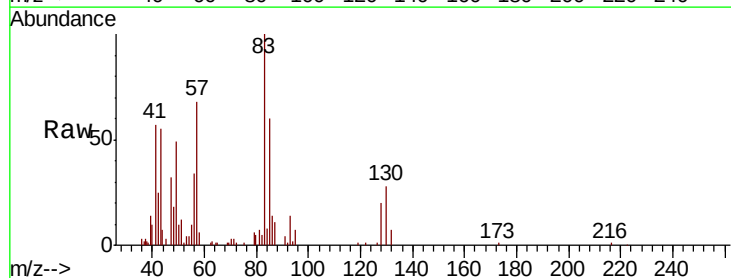
Acq: 6 Jun 2022 23:21

Tgt Ion: 83 Resp: 55074

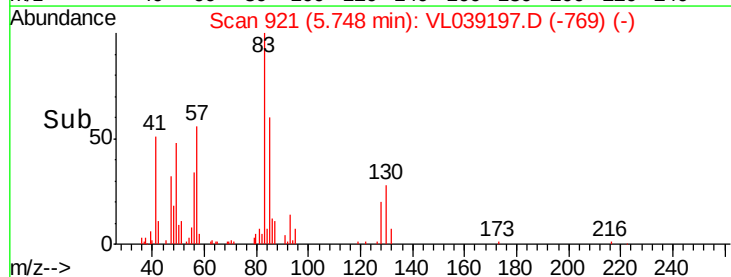
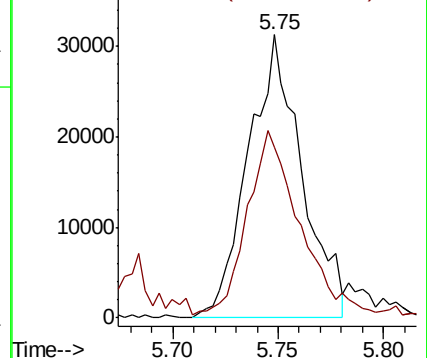
Ion Ratio Lower Upper

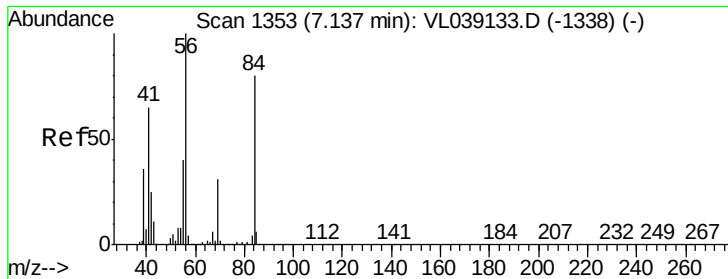
83 100

85 59.1 52.4 78.6



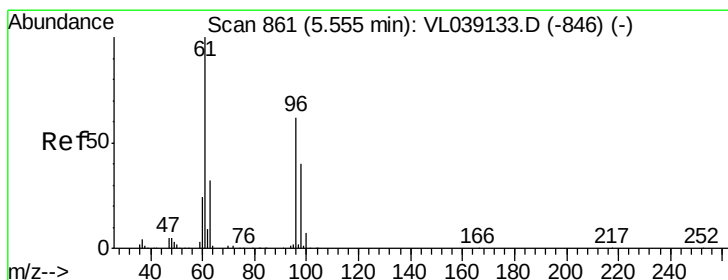
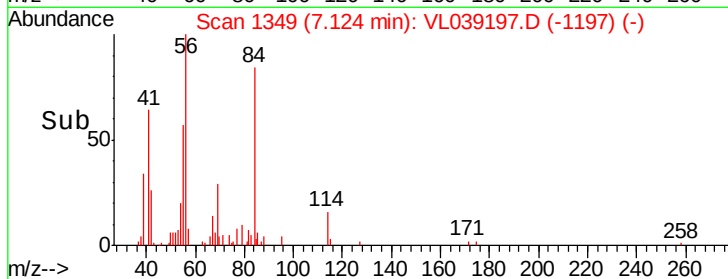
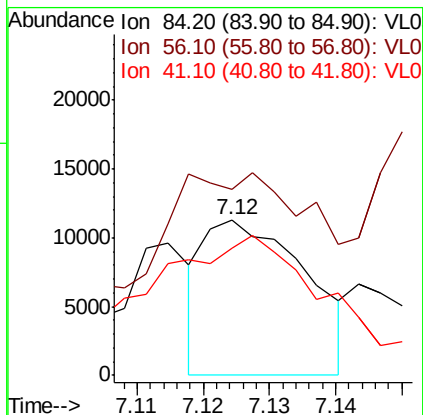
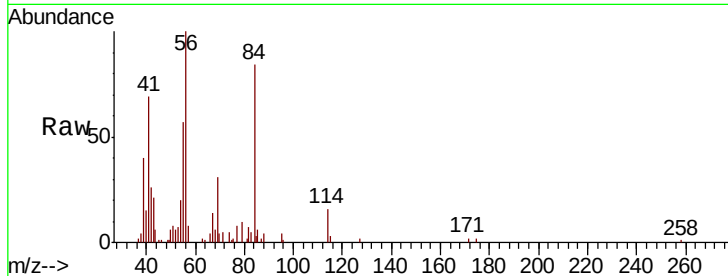
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0





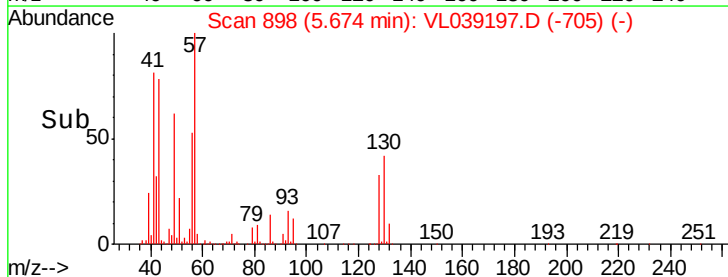
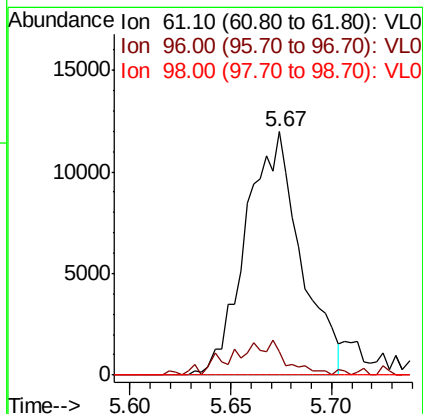
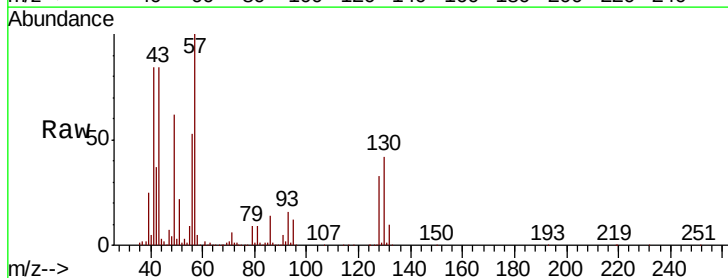
#30
Cyclohexane
Concen: 0.111 ppbv
RT: 7.12 min
Delta R.T. MSVOA.L
Lab File: ClientSampleId:
Acq: 6 Jun 2022 23:21

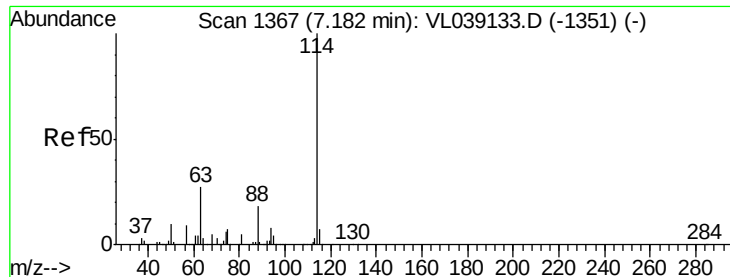
Tot Ion	84	Resp	12039
Ion Ratio	Lower	Upper	
84	100		
56	0.0	110.6	165.8#
41	177.9	68.9	103.3#



#31
cis-1,2-Dichloroethene
Concen: 0.173 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.12 min
Lab File: VL039197.D
Acq: 6 Jun 2022 23:21

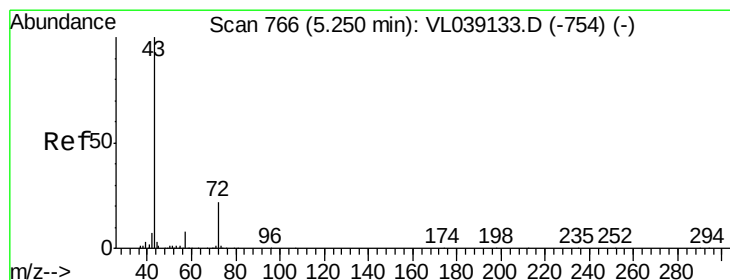
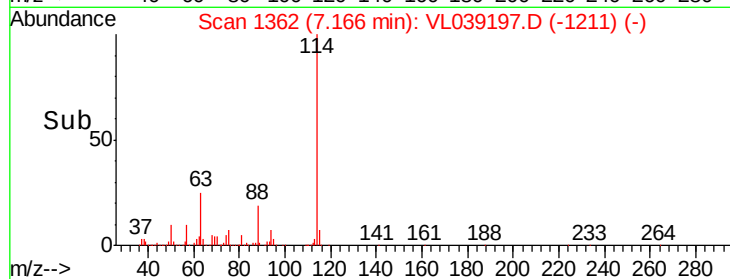
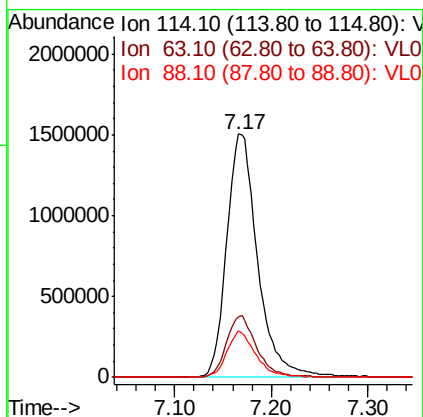
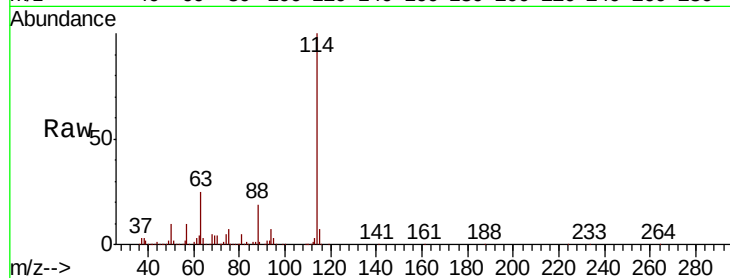
Tgt Ion	61	Resp	22759
Ion Ratio	Lower	Upper	
61	100		
96	7.9	49.9	74.9#
98	0.0	32.0	48.0#





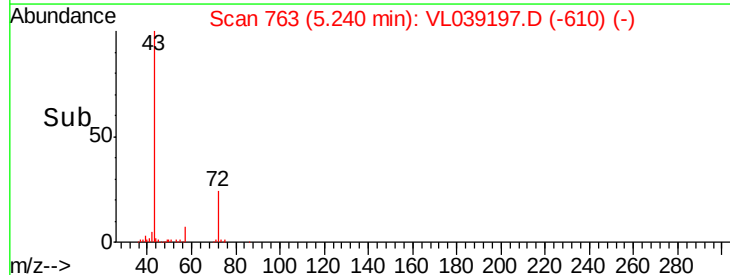
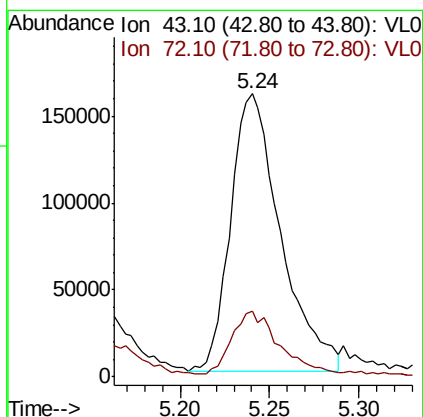
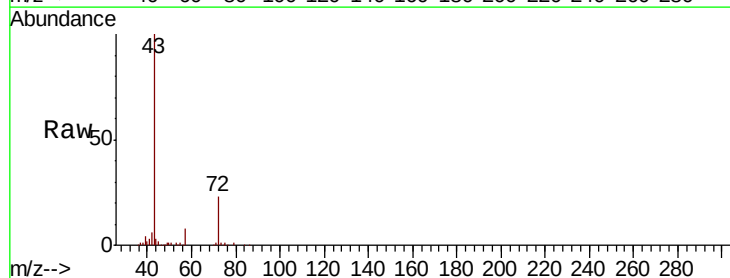
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 6 Jun 2022 23:21

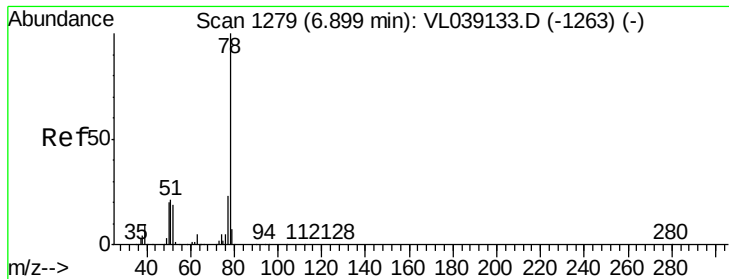
Tot Ion:114 Resp: 3347833
 Ion Ratio Lower Upper
 114 100
 63 24.8 21.7 32.5
 88 18.0 14.8 22.2



#34
 2-Butanone
 Concen: 1.711 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL039197.D
 Acq: 6 Jun 2022 23:21

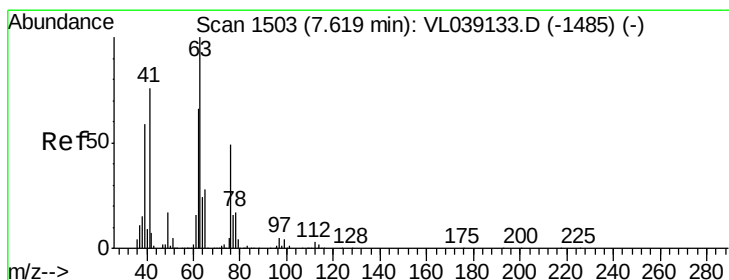
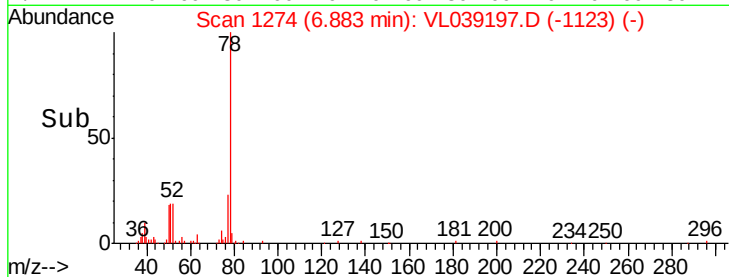
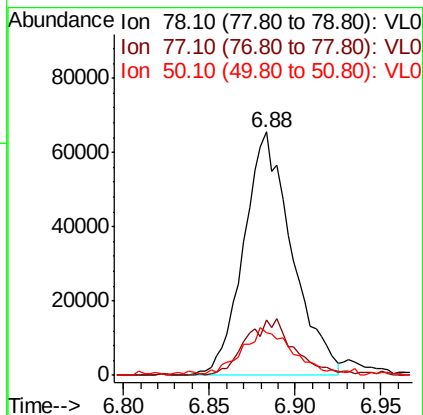
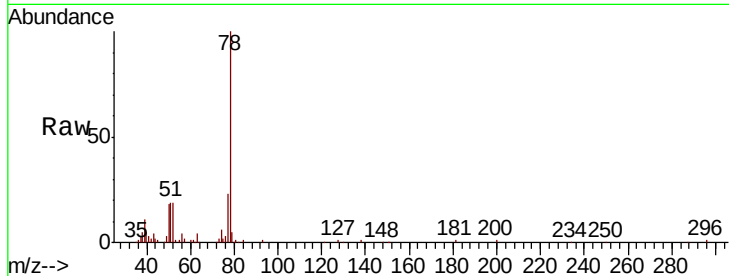
Tgt Ion: 43 Resp: 311149
 Ion Ratio Lower Upper
 43 100
 72 25.0 18.2 27.2





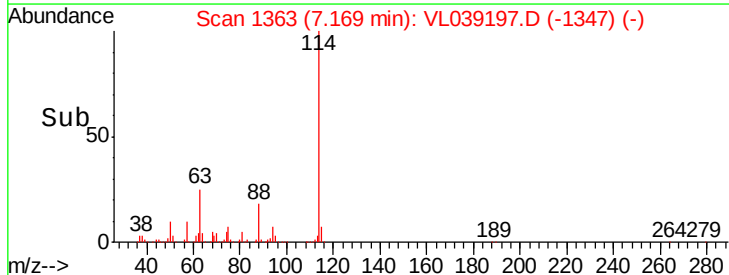
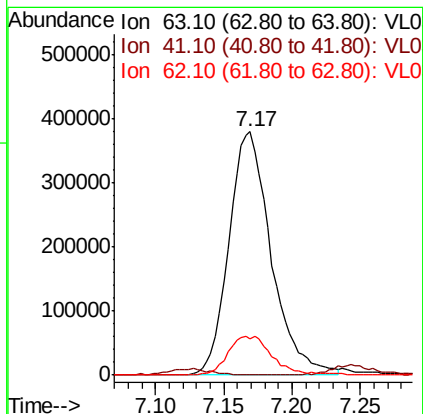
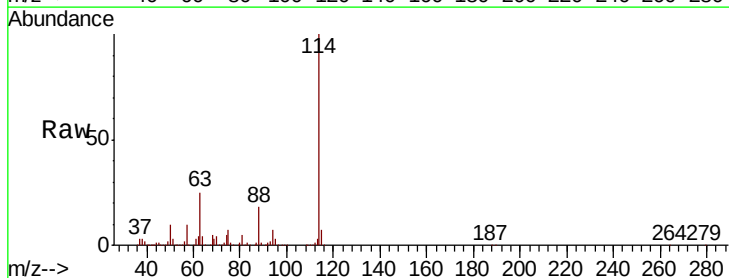
#36
Benzene
Concen: 0.469 ppbv
RT: 6.88
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 6 Jun 2022 23:21

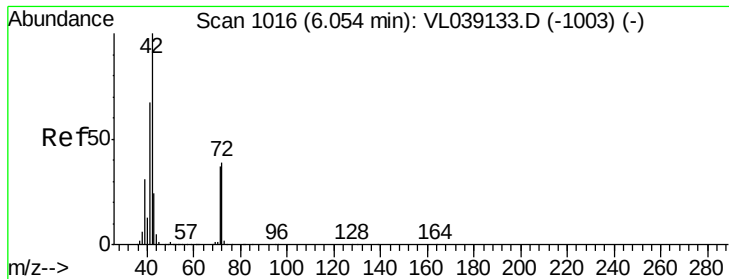
Tot Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	27.8
50	16.1	15.8	23.8



#39
1,2-Dichloropropane
Concen: 7.547 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.45 min
Lab File: VL039197.D
Acq: 6 Jun 2022 23:21

Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	14.8	52.9	79.3#





#41

Tetrahydrofuran

Concen: 0.130 ppbv

RT: 6.31 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Jun 2022 23:21

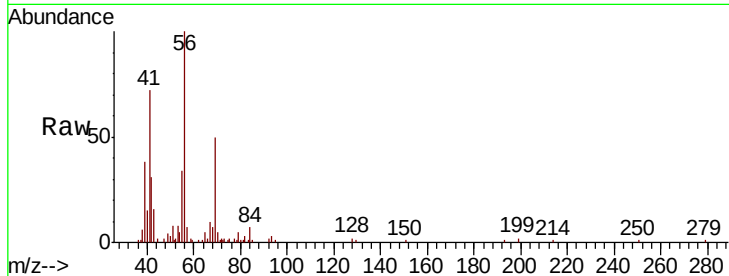
Tot Ion: 42 Resp: 14233

Ion Ratio Lower Upper

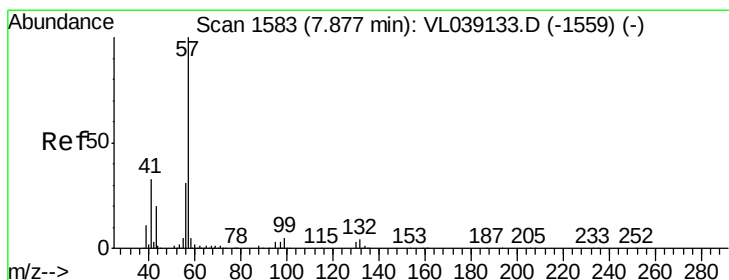
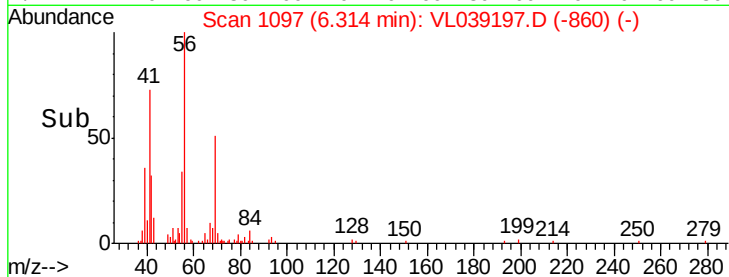
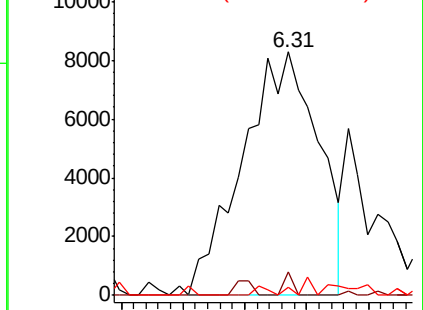
42 100

72 2.8 32.0 48.0#

71 0.0 31.1 46.7#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.134 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. -0.02 min

Lab File: VL039197.D

Acq: 6 Jun 2022 23:21

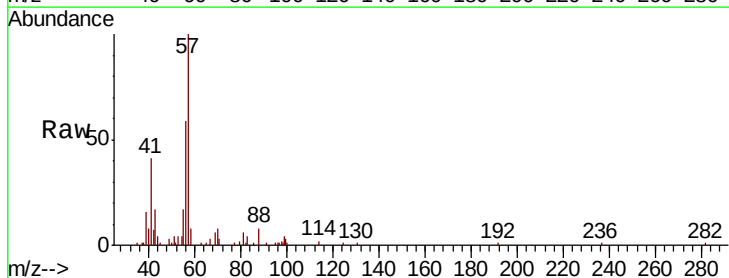
Tgt Ion: 57 Resp: 63830

Ion Ratio Lower Upper

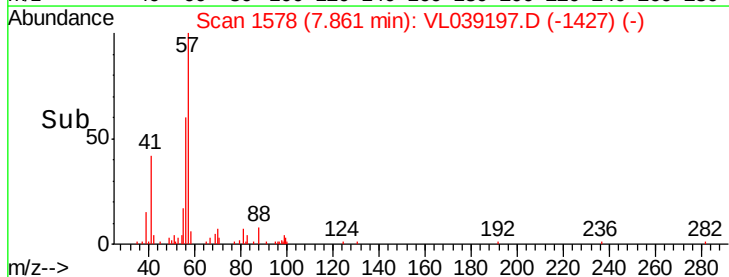
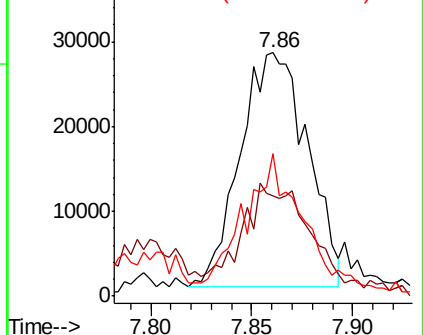
57 100

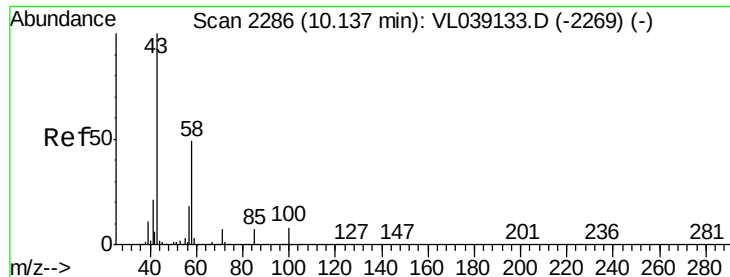
41 53.7 26.2 39.4#

56 58.1 24.7 37.1#



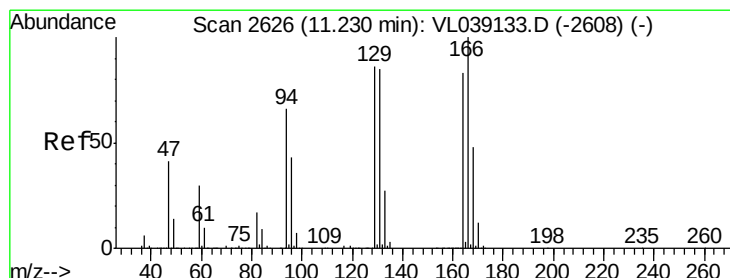
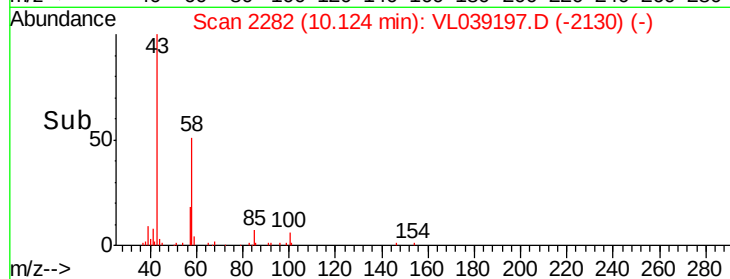
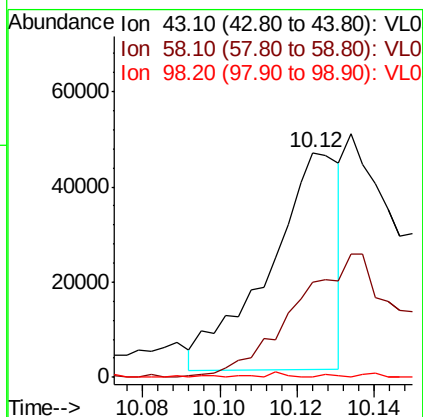
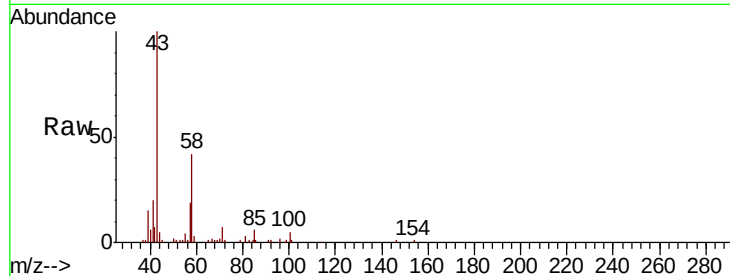
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





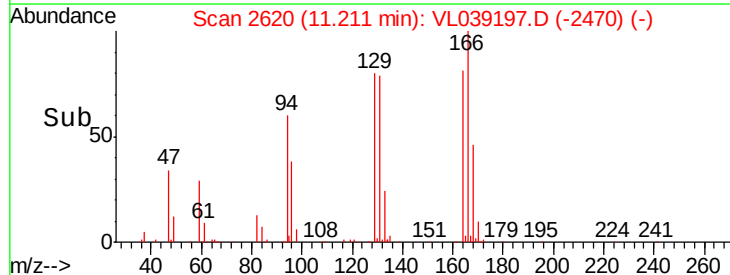
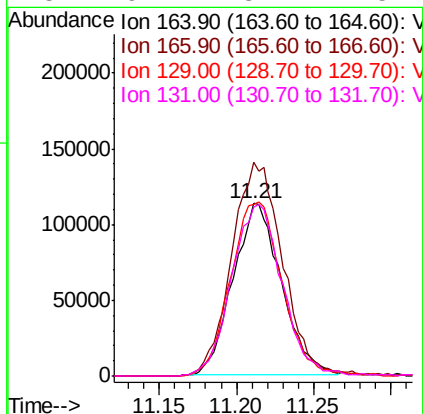
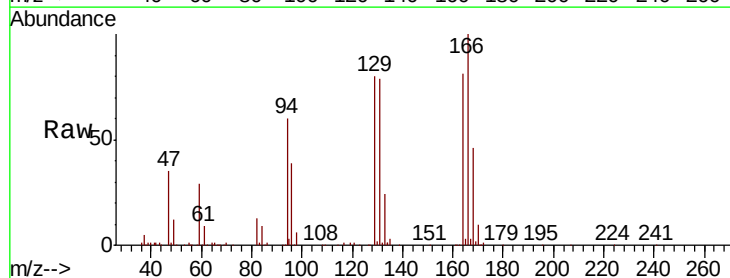
#51
2-Hexanone
Concen: 0.272 ppbv
RT: 10.12 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 6 Jun 2022 23:21

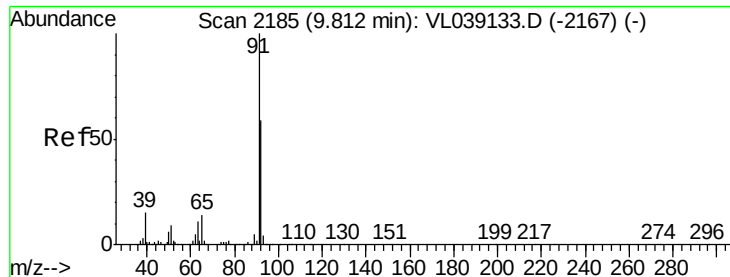
Tot Ion	43	Resp	57712
Ion Ratio	100		
Lower		40.0	60.0
Upper		0.1	0.1



#52
Tetrachloroethene
Concen: 2.299 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.02 min
Lab File: VL039197.D
Acq: 6 Jun 2022 23:21

Tgt Ion	164	Resp	244006
Ion Ratio	100		
Lower		96.3	144.5
Upper		82.5	123.7
		82.1	123.1





#53

Toluene

Concen: 1.603 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

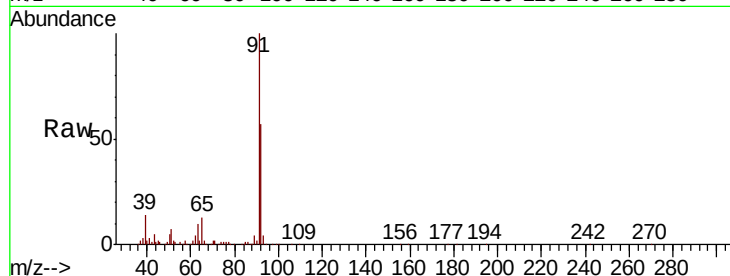
Acq: 6 Jun 2022 23:21

Tot Ion: 91 Resp: 501824

Ion Ratio Lower Upper

91 100

92 59.1 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.80

250000

200000

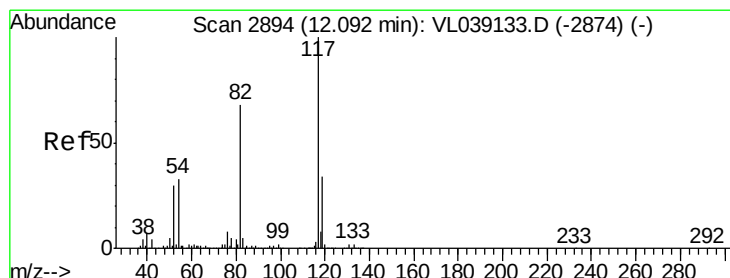
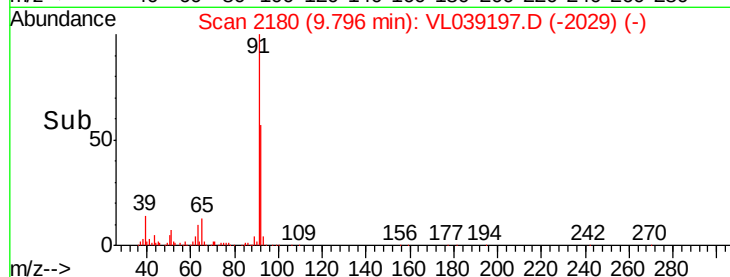
150000

100000

50000

0

Time--> 9.70 9.75 9.80 9.85 9.90



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.02 min

Lab File: VL039197.D

Acq: 6 Jun 2022 23:21

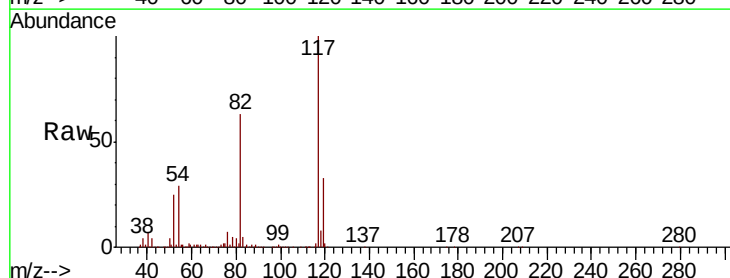
Tgt Ion: 117 Resp: 3111120

Ion Ratio Lower Upper

117 100

82 66.3 55.1 82.7

119 33.3 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

12.07

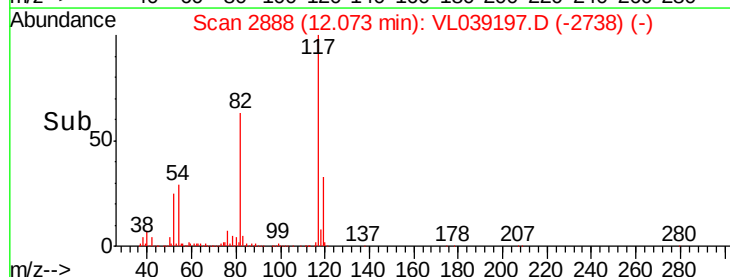
1500000

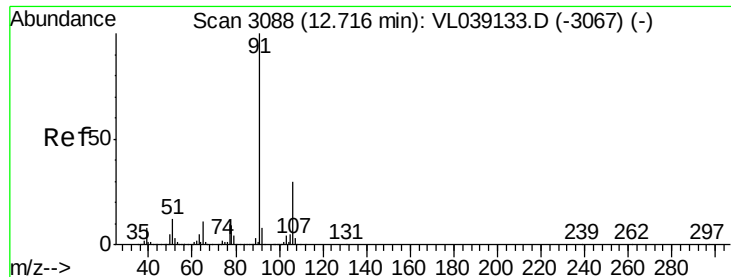
1000000

500000

0

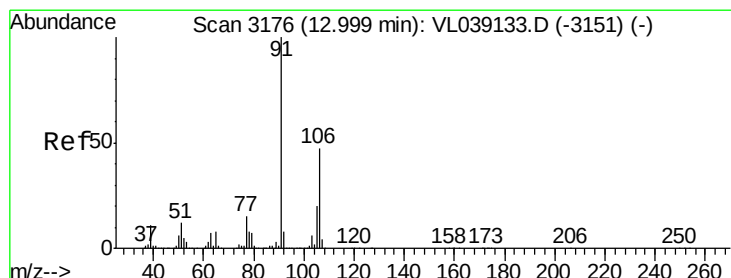
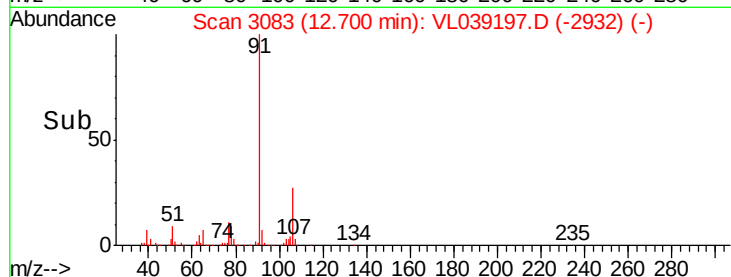
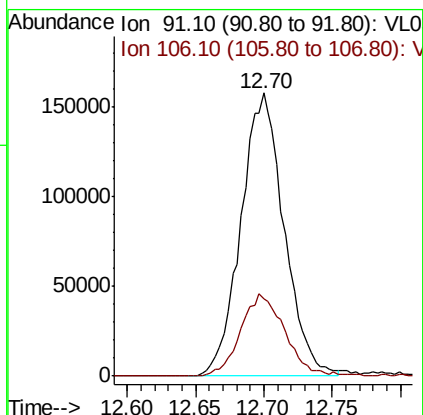
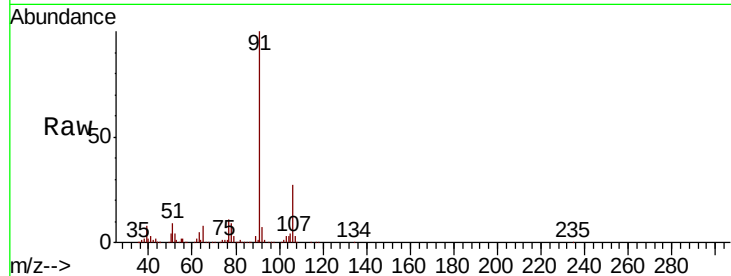
Time--> 12.00 12.10





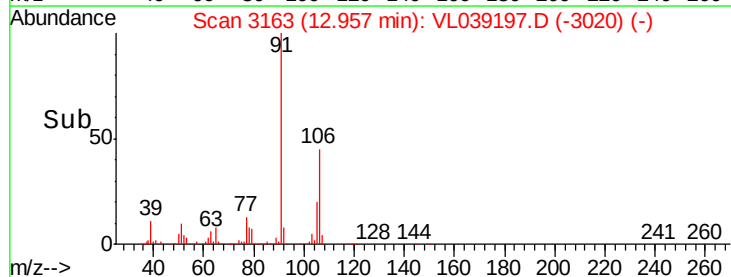
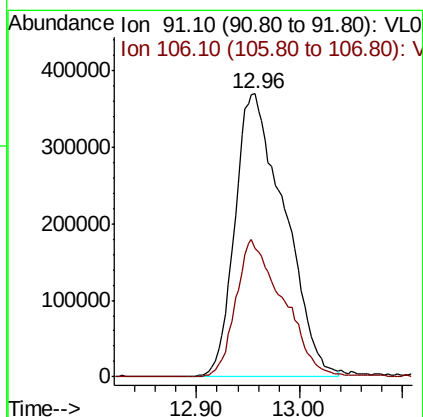
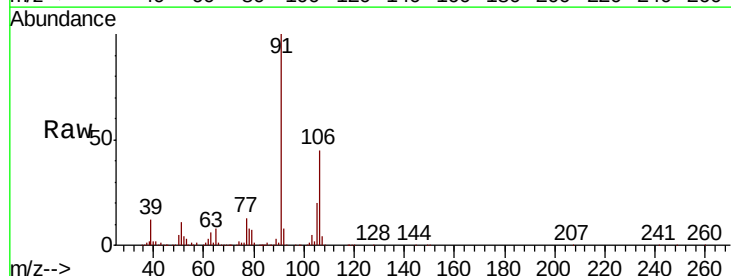
#58
Ethyl Benzene
Concen: 0.806 ppbv
RT: 12.70 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 6 Jun 2022 23:21

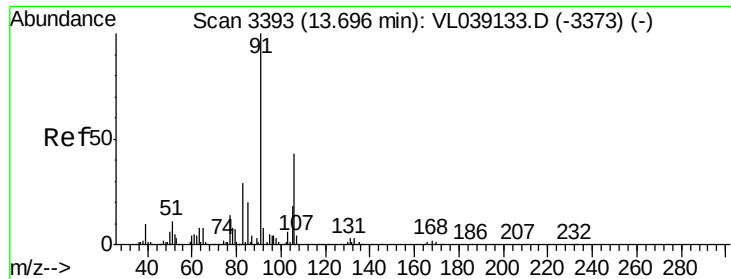
Tot Ion: 91 Resp: 345610
Ion Ratio Lower Upper
91 100
106 27.5 24.2 36.4



#59
m/p-Xylene
Concen: 3.269 ppbv
RT: 12.96 min Scan# 3163
Delta R.T. -0.04 min
Lab File: VL039197.D
Acq: 6 Jun 2022 23:21

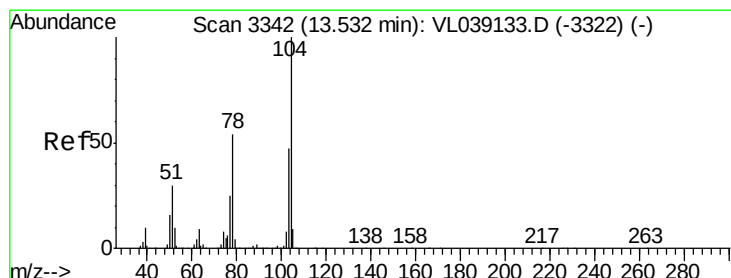
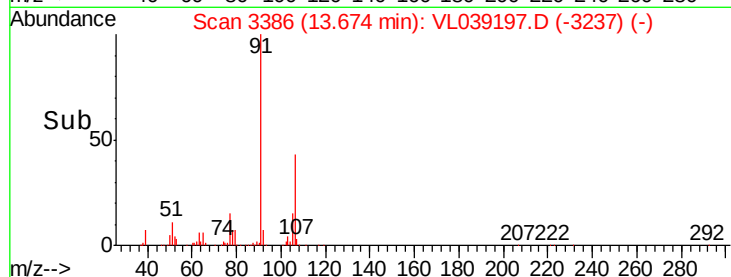
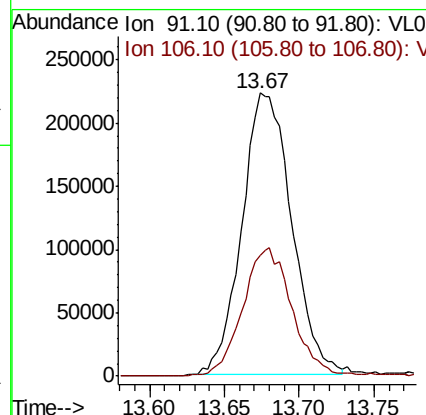
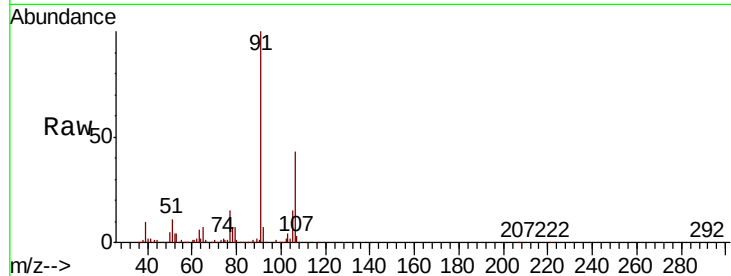
Tgt Ion: 91 Resp: 1233634
Ion Ratio Lower Upper
91 100
106 46.6 34.3 51.5





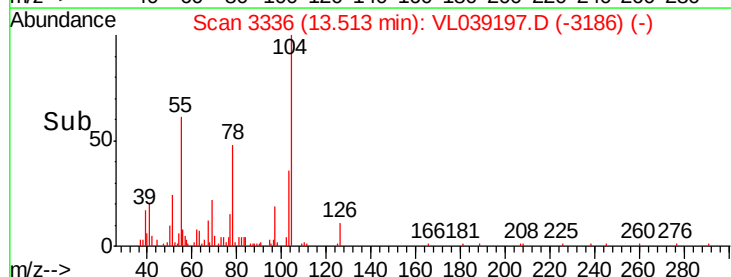
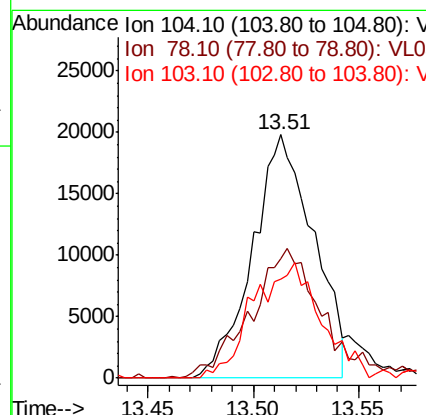
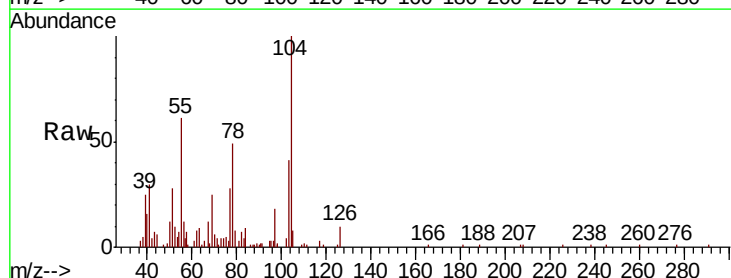
#60
o-Xylene
Concen: 1.450 ppbv
RT: 13.67
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 6 Jun 2022 23:21

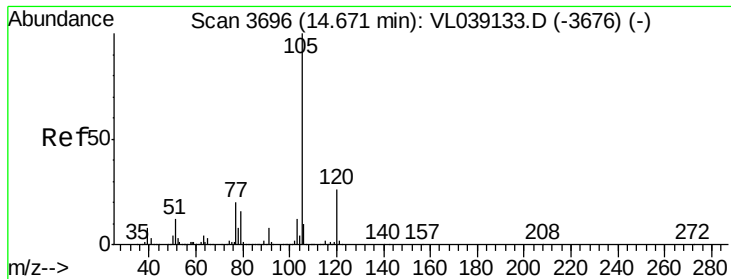
Tot Ion: 91 Resp: 514142
Ion Ratio Lower Upper
91 100
106 45.4 22.3 66.9



#61
Styrene
Concen: 0.210 ppbv
RT: 13.51 min Scan# 3336
Delta R.T. -0.02 min
Lab File: VL039197.D
Acq: 6 Jun 2022 23:21

Tgt Ion:104 Resp: 39944
Ion Ratio Lower Upper
104 100
78 64.4 45.7 68.5
103 53.8 39.6 59.4





#62

Isopropylbenzene

Concen: 0.087 ppbv

RT: 14.65

Delta R.T. MSVOA_L

Lab File:

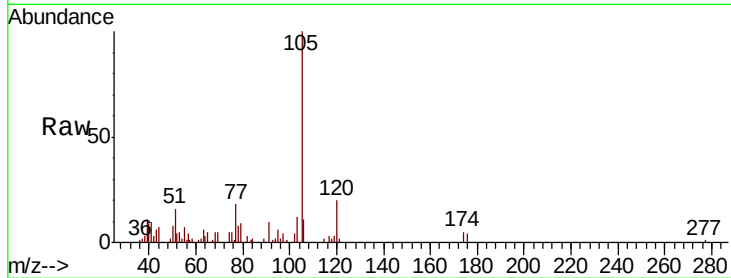
Acq: 6 Jun 2022 23:21

Tot Ion:105 Resp: 45707

Ion Ratio Lower Upper

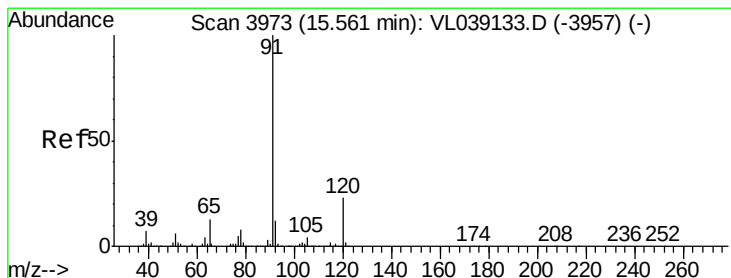
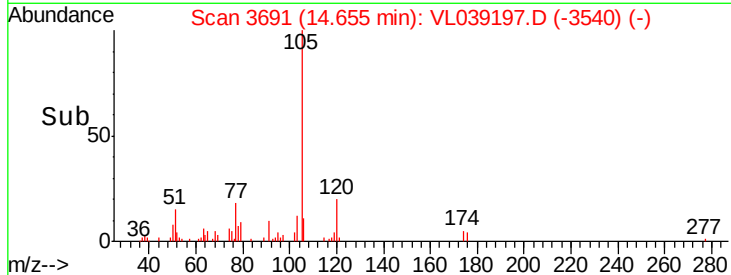
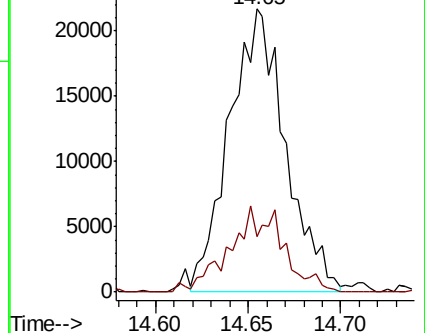
105 100

120 28.3 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.238 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. -0.02 min

Lab File: VL039197.D

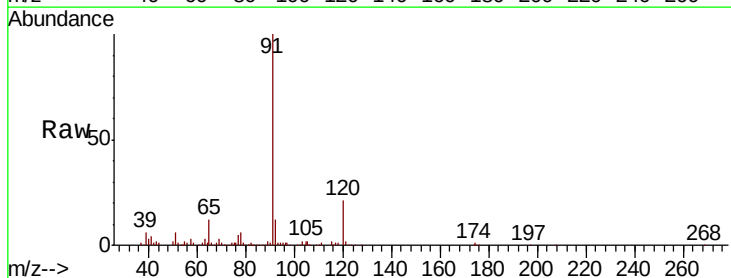
Acq: 6 Jun 2022 23:21

Tgt Ion:120 Resp: 30824

Ion Ratio Lower Upper

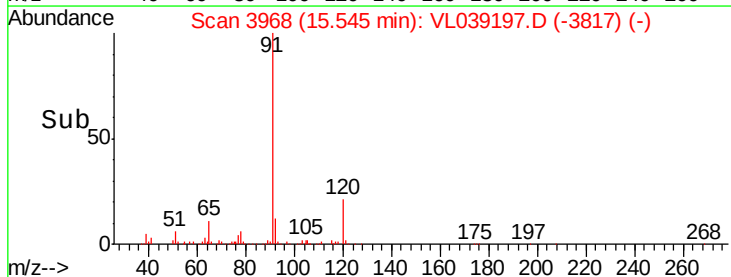
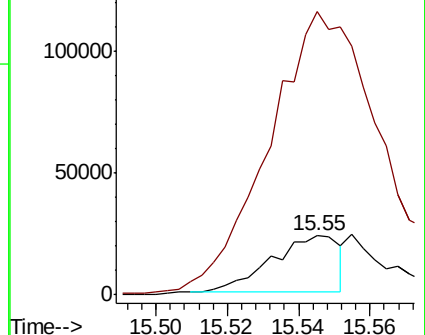
120 100

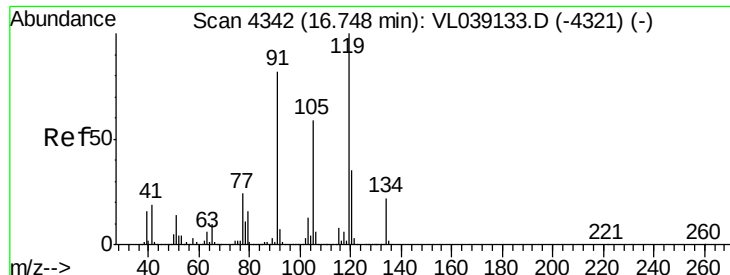
91 853.7 388.4 582.6#



Abundance Ion 120.20 (119.90 to 120.90): V

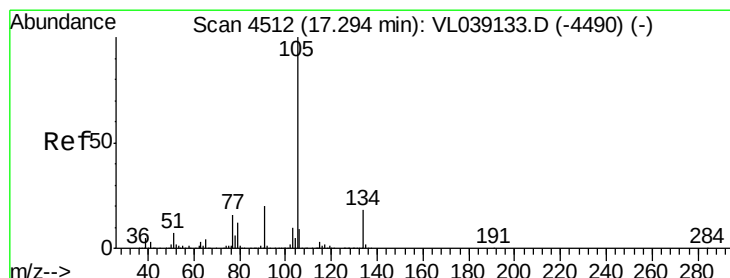
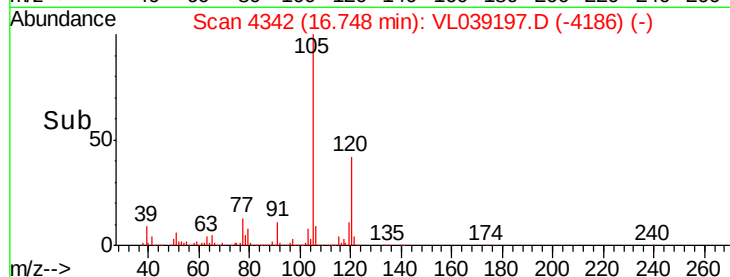
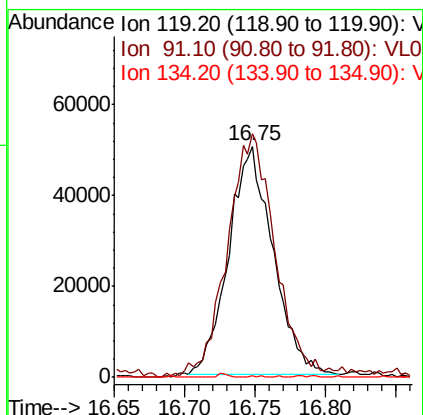
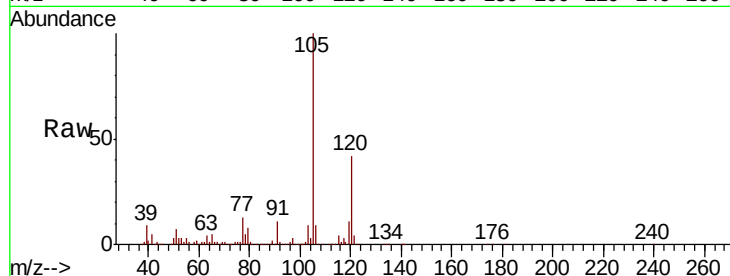
Ion 91.10 (90.80 to 91.80): VL0





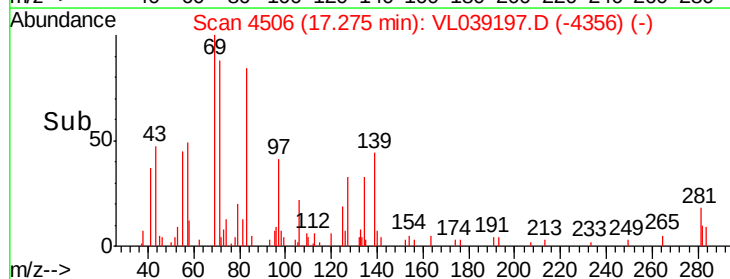
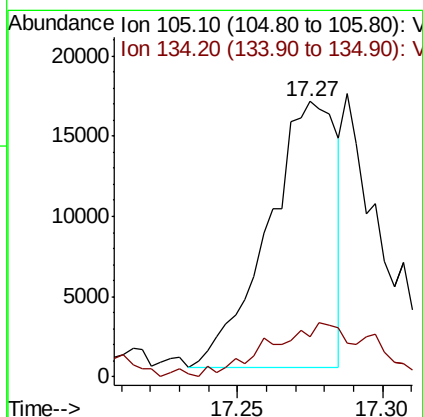
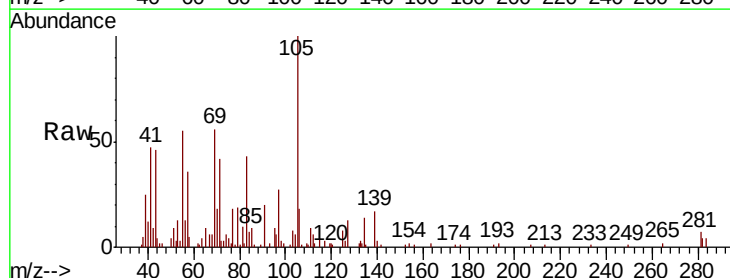
#65
 tert-Butylbenzene
 Concen: 0.230 ppbv
 RT: 16.75 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 6 Jun 2022 23:21

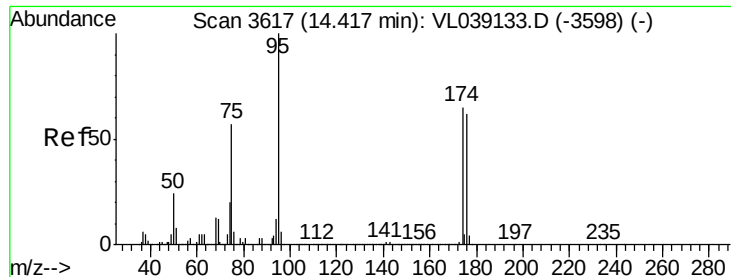
Tot Ion	Ratio	Lower	Upper
119	100		
91	119.3	67.1	100.7#
134	0.0	15.8	23.8#



#67
 sec-Butylbenzene
 Concen: 0.041 ppbv
 RT: 17.27 min Scan# 4506
 Delta R.T. -0.02 min
 Lab File: VL039197.D
 Acq: 6 Jun 2022 23:21

Tgt Ion	Ratio	Lower	Upper
105	100		
134	30.9	14.4	21.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.524 ppbv

RT: 14.40

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 6 Jun 2022 23:21

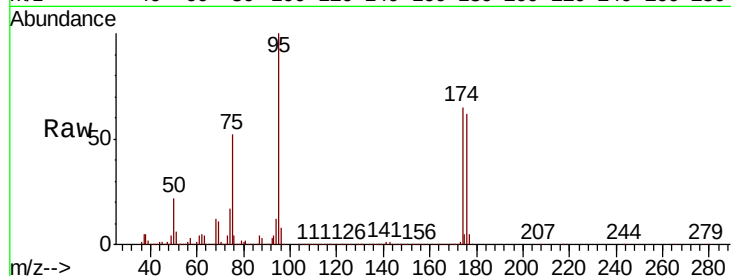
Tot Ion: 95 Resp: 2449750

Ion Ratio Lower Upper

95 100

174 69.5 53.8 80.8

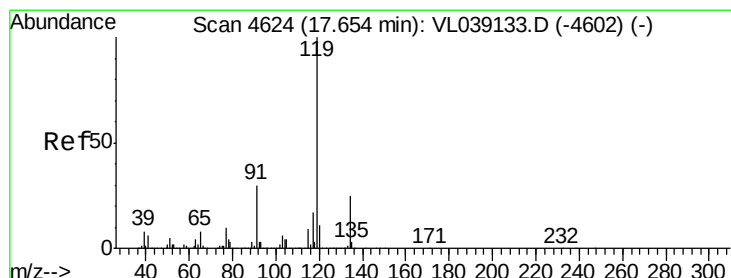
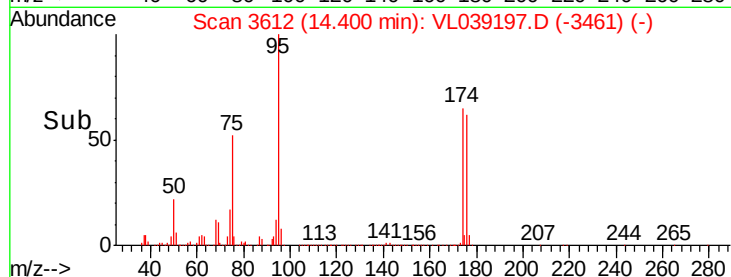
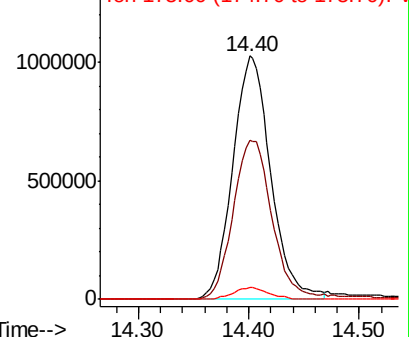
175 4.9 4.1 6.1



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



#69

p-Isopropyltoluene

Concen: 0.073 ppbv

RT: 17.64 min Scan# 4619

Delta R.T. -0.02 min

Lab File: VL039197.D

Acq: 6 Jun 2022 23:21

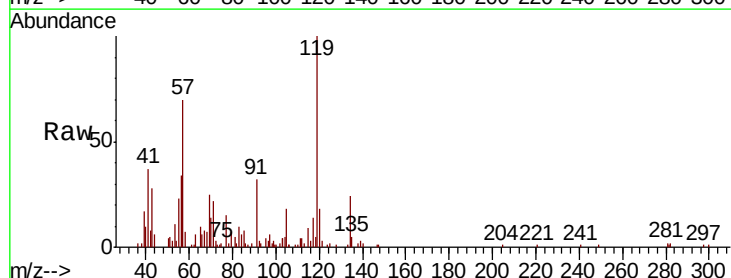
Tgt Ion: 119 Resp: 40500

Ion Ratio Lower Upper

119 100

134 38.9 20.4 30.6#

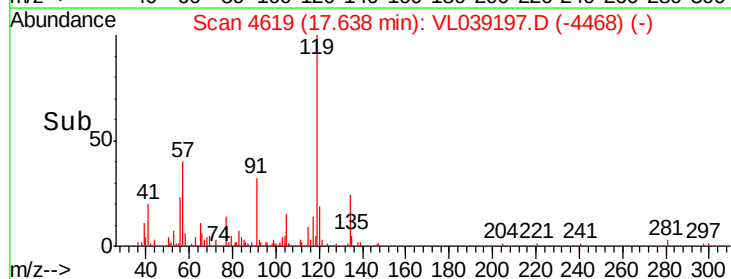
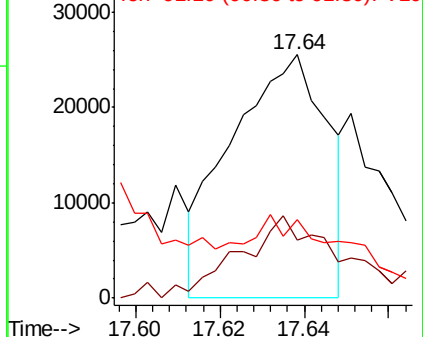
91 41.7 24.2 36.4#

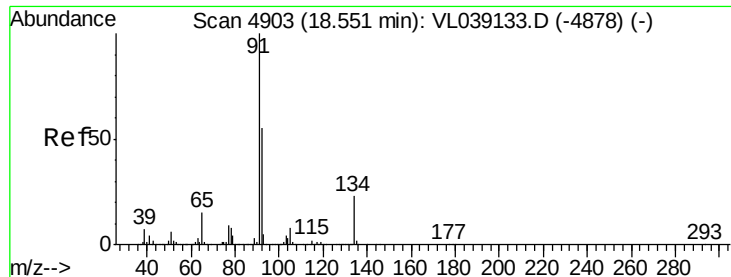


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

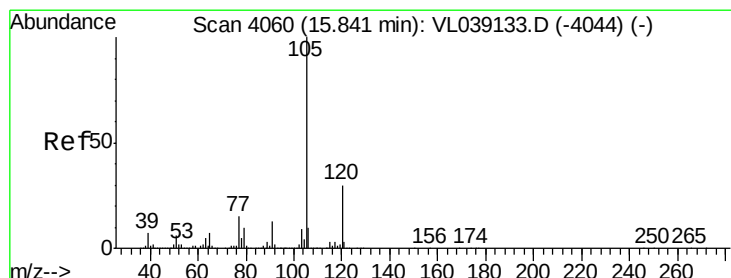
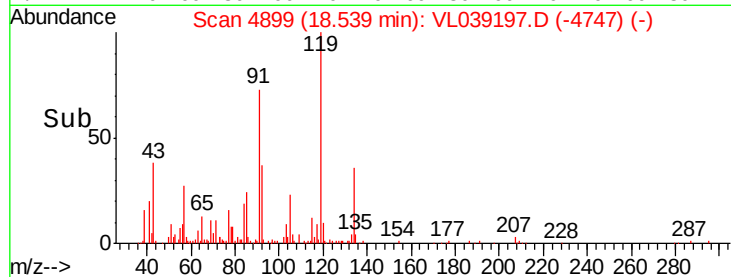
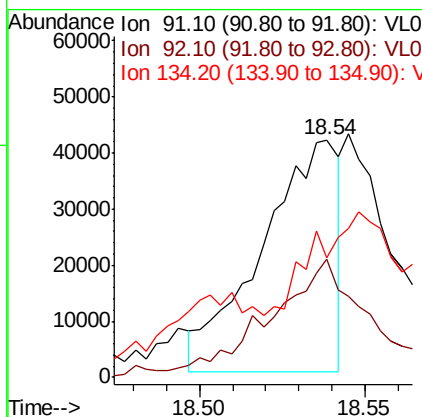
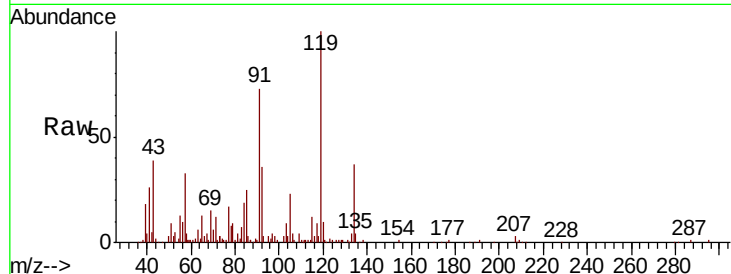
Ion 91.10 (90.80 to 91.80): VL0





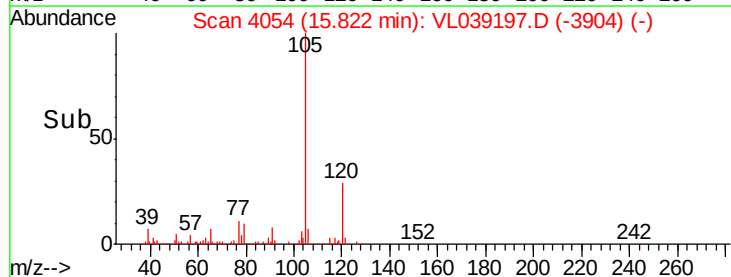
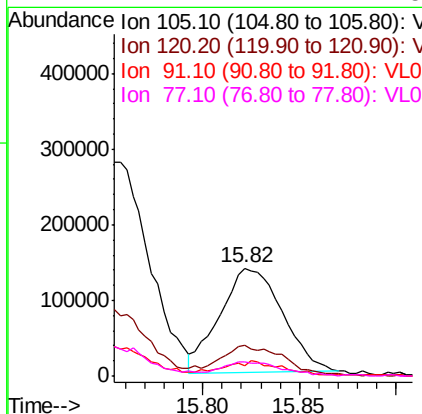
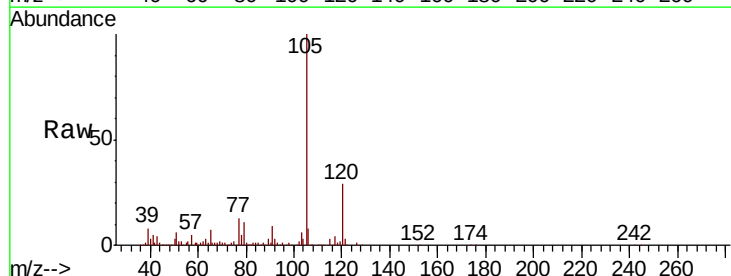
#70
n-Butylbenzene
Concen: 0.117 ppbv
RT: 18.54 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 6 Jun 2022 23:21

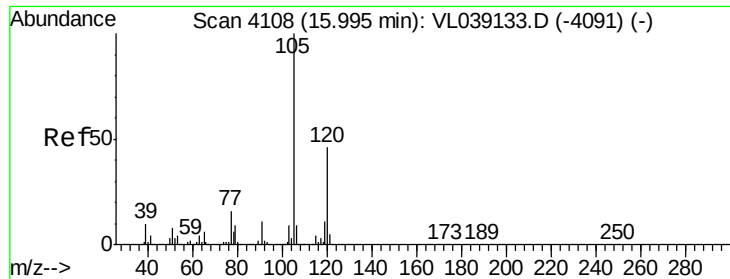
Tot Ion	91	Resp	66680
Ion Ratio	100	Lower	Upper
92	71.7	43.6	65.4#
134	0.0	17.7	26.5#



#72
4-Ethyltoluene
Concen: 0.741 ppbv
RT: 15.82 min Scan# 4054
Delta R.T. -0.02 min
Lab File: VL039197.D
Acq: 6 Jun 2022 23:21

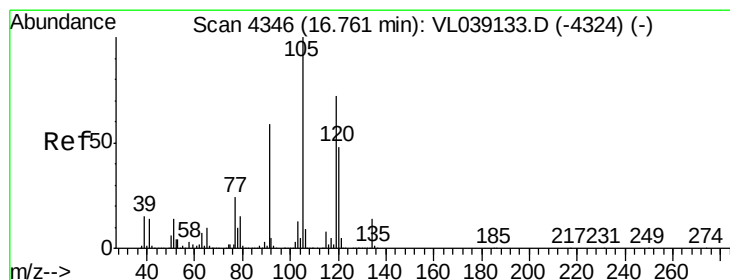
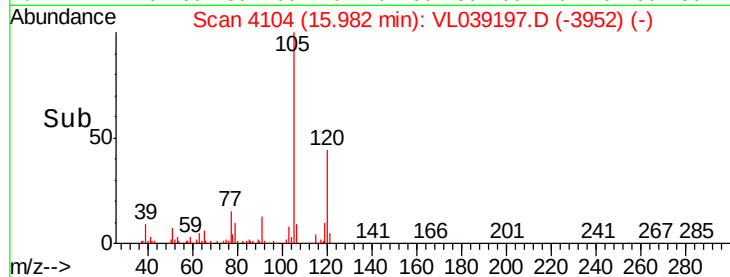
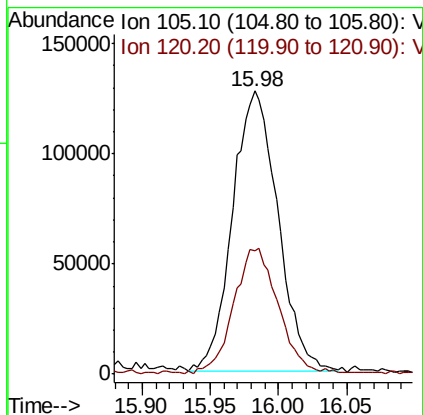
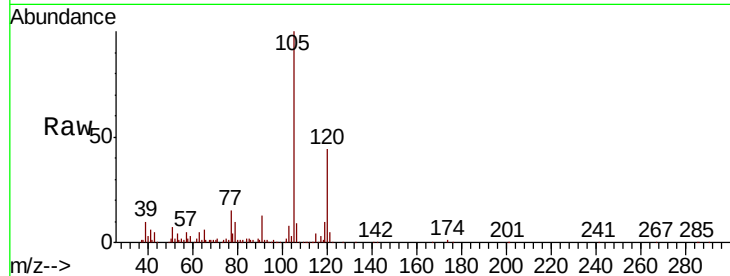
Tgt Ion	105	Resp	307760
Ion Ratio	100	Lower	Upper
120	30.0	23.9	35.9
91	14.3	10.6	16.0
77	14.1	11.7	17.5





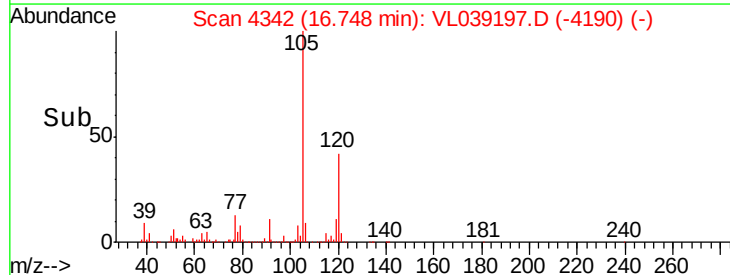
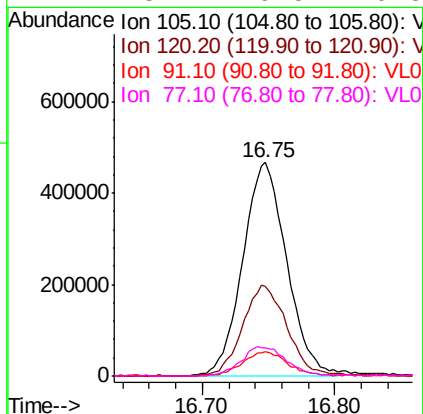
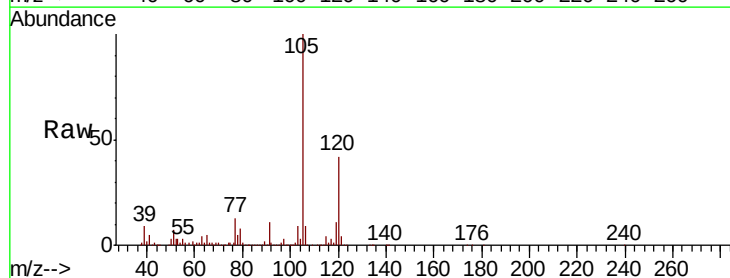
#73
 1,3,5-Trimethylbenzene
 Concen: 0.779 ppbv
 RT: 15.98 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 6 Jun 2022 23:21

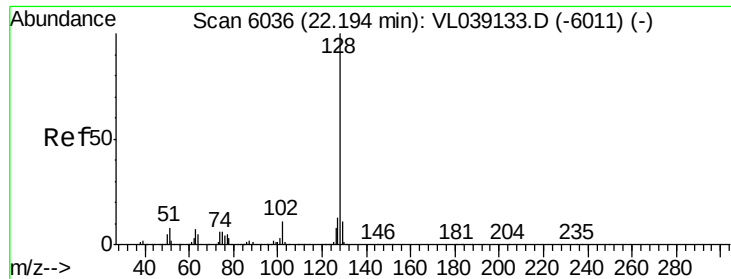
Tot Ion:105 Resp: 292160
 Ion Ratio Lower Upper
 105 100
 120 43.4 36.7 55.1



#74
 1,2,4-Trimethylbenzene
 Concen: 2.557 ppbv
 RT: 16.75 min Scan# 4342
 Delta R.T. -0.01 min
 Lab File: VL039197.D
 Acq: 6 Jun 2022 23:21

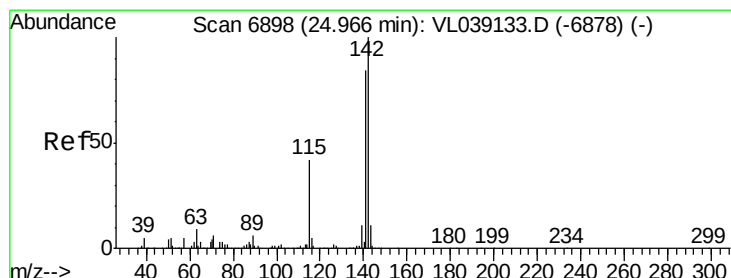
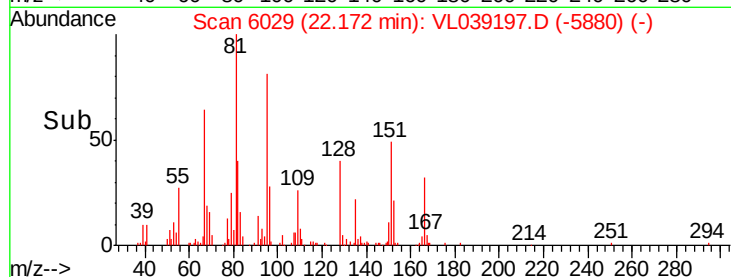
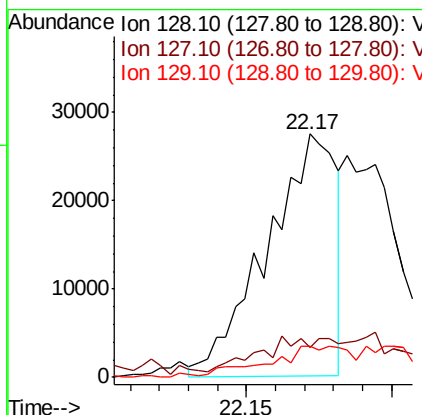
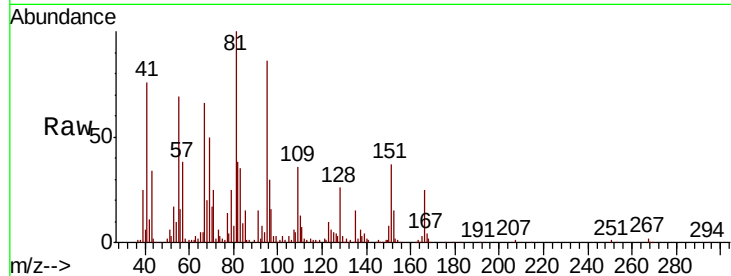
Tgt Ion:105 Resp: 1069661
 Ion Ratio Lower Upper
 105 100
 120 41.7 38.1 57.1
 91 11.4 47.4 71.0#
 77 13.1 19.5 29.3#





#79
Naphthalene
Concen: 0.141 ppbv
RT: 22.17 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 6 Jun 2022 23:21

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.4	10.4	15.6
129	12.4	9.0	13.6



#80
Naphthalene, 2-methyl-
Concen: 0.067 ppbv
RT: 24.97 min Scan# 6898
Delta R.T.: 0.00 min
Lab File: VL039197.D
Acq: 6 Jun 2022 23:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.3	64.6	96.8
115	82.5	32.7	49.1

