

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072522\
 Data File : VL039529.D
 Acq On : 25 Jul 2022 23:29
 Operator : SY/AP
 Sample : N3842-01DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA-1DUP

Quant Time: Jul 26 08:07:06 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	1144870	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3090474	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	2765057	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2105113	10.26	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds

					Ovalue	
2) Dichlorodifluoromethane	3.06	85	44077	0.267	ppbv #	85
3) Chlorodifluoromethane	2.97	51	412620	2.841	ppbv #	65
4) Chloromethane	3.15	50	63275	0.797	ppbv	99
7) Chloroethane	3.57	64	1745	0.063	ppbv #	79
9) Propene	3.21	41	1214233	18.511	ppbv	96
10) Heptane	8.13	43	16579	0.108	ppbv #	1
11) Trichlorofluoromethane	3.96	101	38205	0.208	ppbv #	74
12) 1,1,2-Trichlorotrifluoroet	4.49	101	5313	0.039	ppbv #	56
13) Ethanol	3.61	45	9452580	2483.823	ppbv	73
15) Acetone	3.85	43	4000907	29.539	ppbv	96
16) 1,3-Butadiene	3.32	39	5491	0.078	ppbv #	10
17) tert-Butyl alcohol	4.30	59	18745	0.163	ppbv #	71
19) Isopropyl Alcohol	3.98	45	1988944	27.529	ppbv #	96
20) Methylene Chloride	4.35	84	1492033	27.637	ppbv	97
21) Allyl Chloride	4.35	41	62453	0.666	ppbv #	31
23) Vinyl Acetate	5.07	43	284583	3.144	ppbv #	50
25) Ethyl Acetate	5.69	43	1275143	4.591	ppbv #	89
26) Hexane	5.69	57	1130998	10.103	ppbv #	53
27) Carbon Disulfide	4.56	76	59545	0.441	ppbv #	81
29) Chloroform	5.76	83	734100	3.771	ppbv	92
30) Cyclohexane	7.13	84	13525	0.133	ppbv #	8
31) cis-1,2-Dichloroethene	5.55	61	7789	0.066	ppbv	85
34) 2-Butanone	5.25	43	273458	1.758	ppbv #	72
36) Benzene	6.89	78	61292	0.256	ppbv	98
37) 1,2-Dichloroethane	6.30	62	10162	0.072	ppbv #	96
39) 1,2-Dichloropropane	7.18	63	759132	8.496	ppbv #	25
41) Tetrahydrofuran	6.06	42	10525	0.117	ppbv #	1
42) Bromodichloromethane	7.80	83	12783	0.067	ppbv	93
44) 2,2,4-Trimethylpentane	7.87	57	66152	0.163	ppbv #	71
50) 4-Methyl-2-Pentanone	8.75	43	28223	0.120	ppbv #	87
51) 2-Hexanone	10.14	43	6508	0.037	ppbv #	29
52) Tetrachloroethene	11.23	164	6250	0.065	ppbv #	73
53) Toluene	9.81	91	332874	1.207	ppbv	99
58) Ethyl Benzene	12.72	91	129136	0.362	ppbv	97
59) m/p-Xylene	12.97	91	450947	1.433	ppbv	95
60) o-Xylene	13.69	91	155852	0.523	ppbv	100
61) Styrene	13.53	104	31867	0.197	ppbv	97
64) n-propylbenzene	15.56	120	5571	0.048	ppbv #	1
69) p-Isopropyltoluene	17.65	119	65731	0.137	ppbv #	55
72) 4-Ethyltoluene	15.84	105	31101	0.089	ppbv #	51
73) 1,3,5-Trimethylbenzene	16.01	105	18544	0.058	ppbv	87

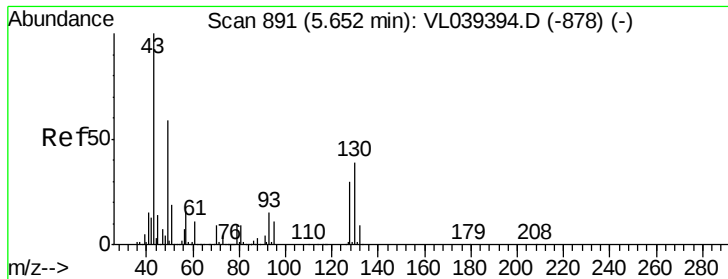
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072522\
Data File : VL039529.D
Acq On : 25 Jul 2022 23:29
Operator : SY/AP
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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)
74) 1,2,4-Trimethylbenzene	16.76	105	203988	0.573	ppbv #	72
75) 1,3-Dichlorobenzene	17.14	146	1814324	8.542	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	1814324	8.619	ppbv	98
79) Naphthalene	22.20	128	10369	0.042	ppbv #	71
80) Naphthalene,2-methyl-	24.97	142	10113	0.121	ppbv #	75

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Jul 2022 23:29

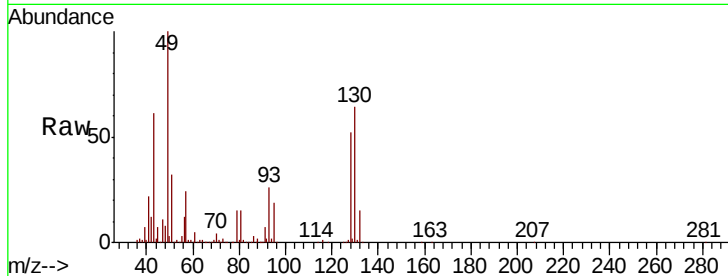
Tot Ion: 49 Resp: 1144870

Ion Ratio Lower Upper

49 100

128 52.2 26.7 80.0

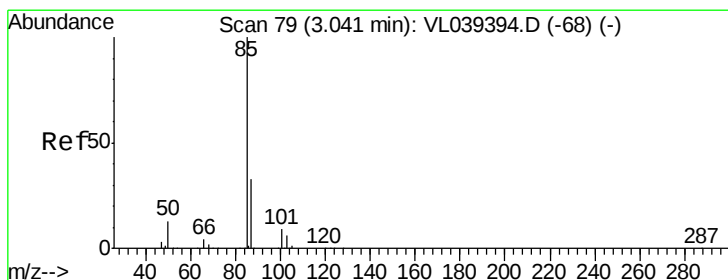
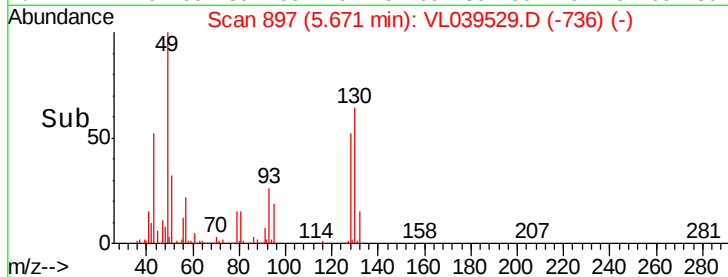
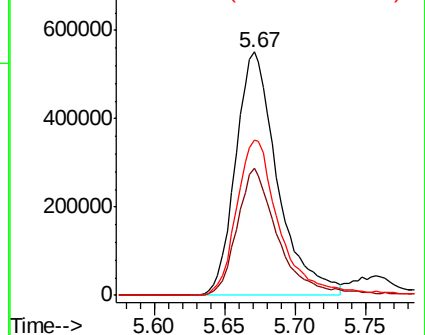
130 66.4 34.3 102.8



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: 0.267 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL039529.D

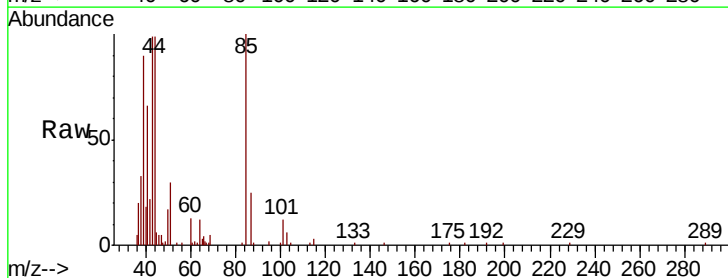
Acq: 25 Jul 2022 23:29

Tgt Ion: 85 Resp: 44077

Ion Ratio Lower Upper

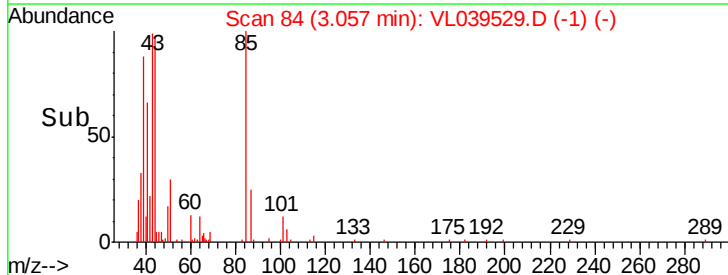
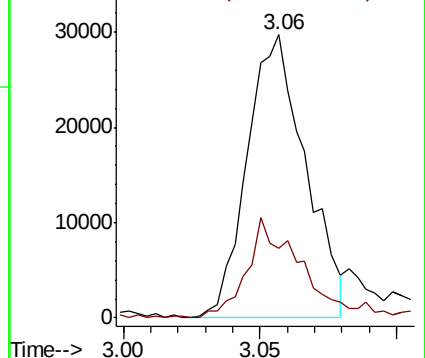
85 100

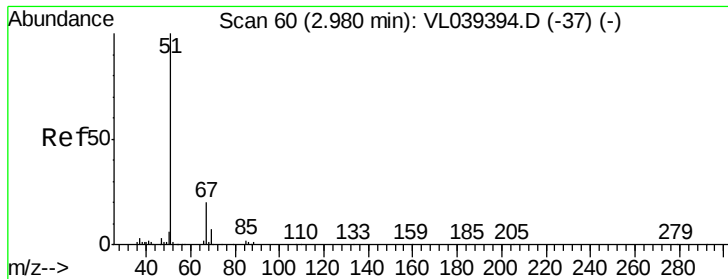
87 24.8 26.7 40.1#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.841 ppbv

RT: 2.97 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

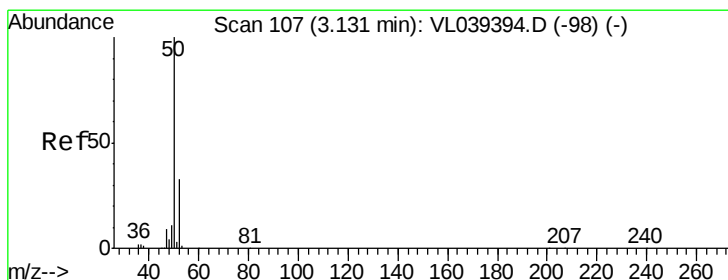
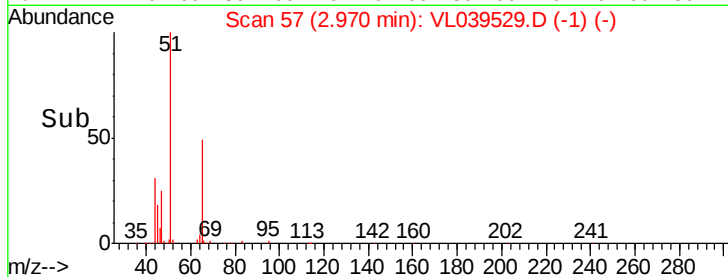
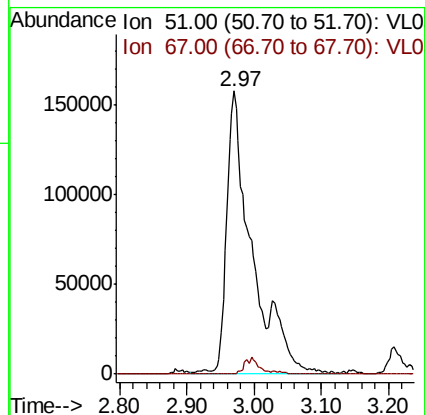
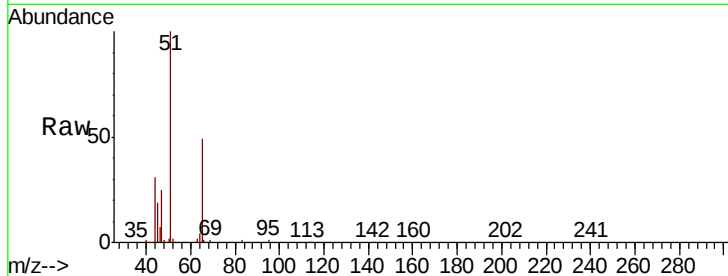
Acq: 25 Jul 2022 23:29

Tot Ion: 51 Resp: 412620

Ion Ratio Lower Upper

51 100

67 3.8 15.7 23.5#



#4

Chloromethane

Concen: 0.797 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.02 min

Lab File: VL039529.D

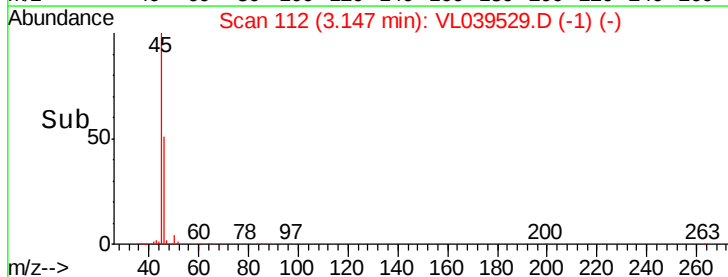
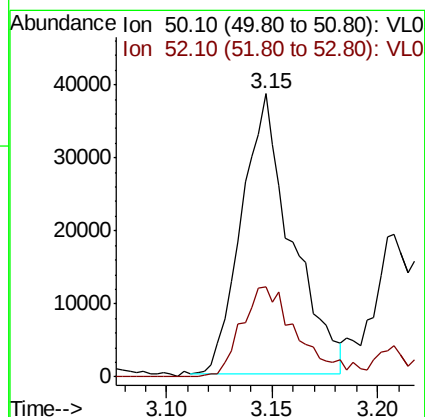
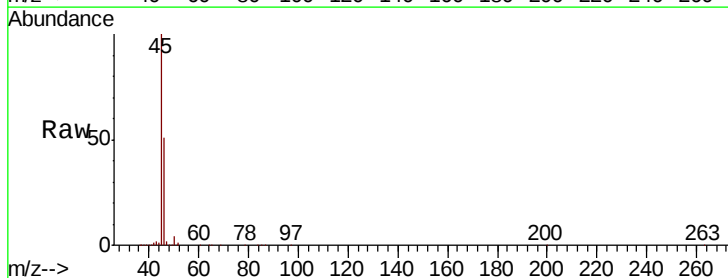
Acq: 25 Jul 2022 23:29

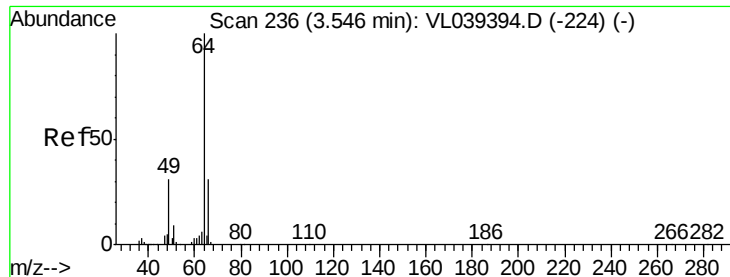
Tgt Ion: 50 Resp: 63275

Ion Ratio Lower Upper

50 100

52 32.3 26.5 39.7





#7

Chloroethane

Concen: 0.063 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

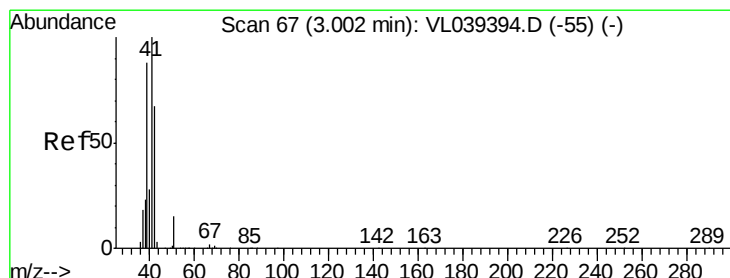
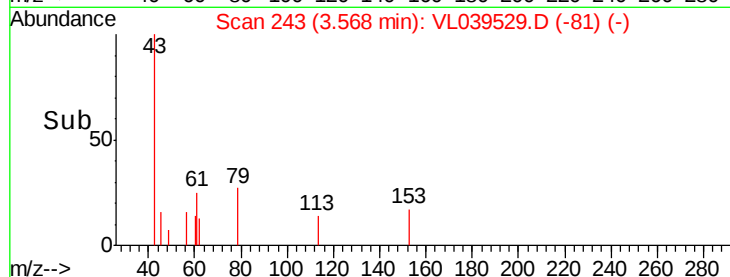
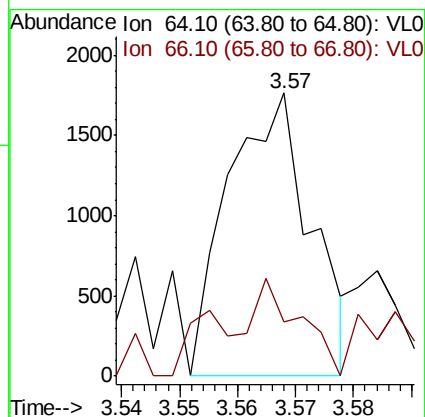
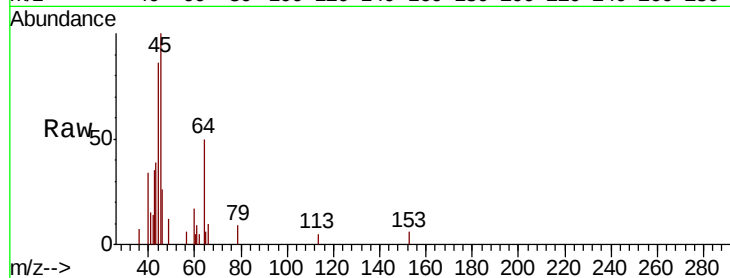
Acq: 25 Jul 2022 23:29

Tot Ion: 64 Resp: 1745

Ion Ratio Lower Upper

64 100

66 19.3 24.7 37.1#



#9

Propene

Concen: 18.511 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.21 min

Lab File: VL039529.D

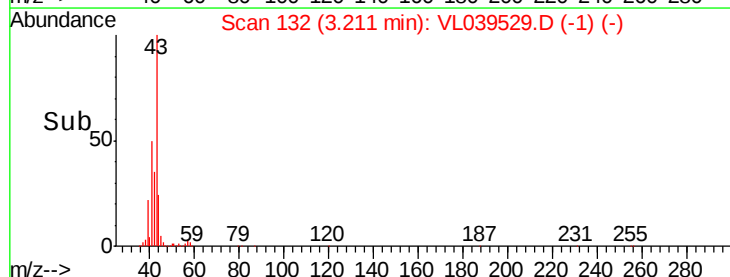
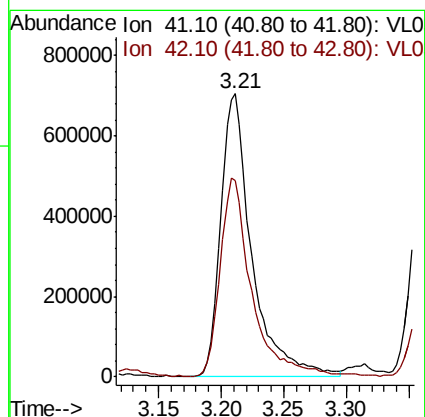
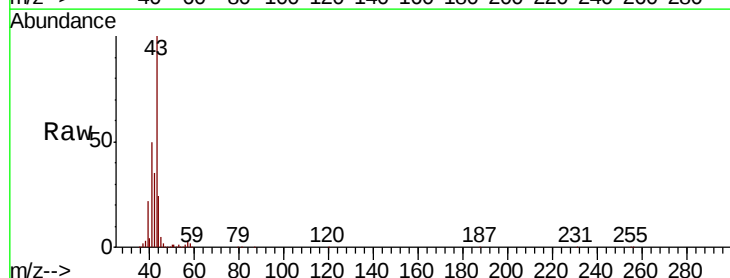
Acq: 25 Jul 2022 23:29

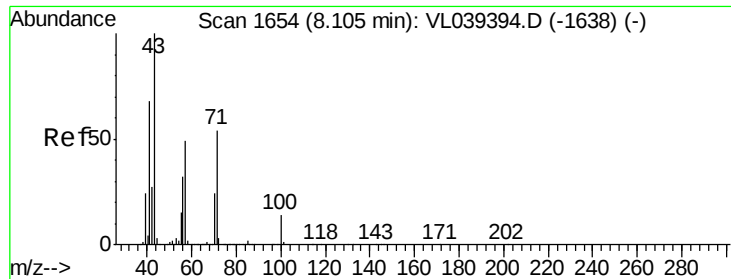
Tgt Ion: 41 Resp: 1214233

Ion Ratio Lower Upper

41 100

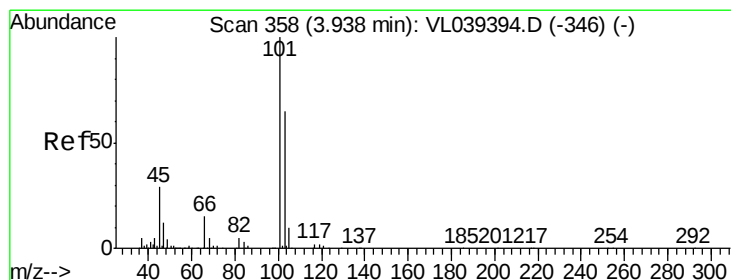
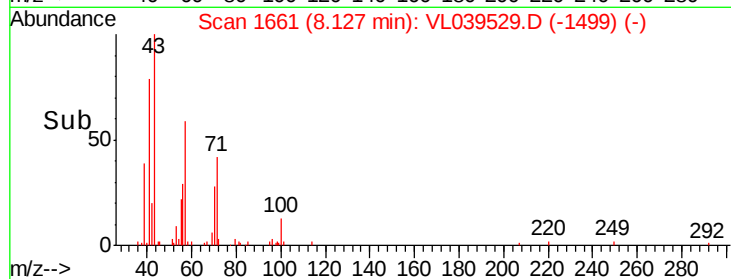
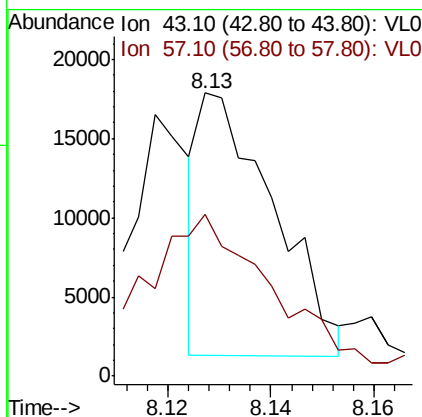
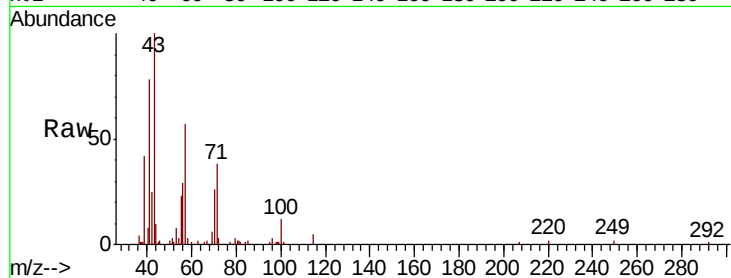
42 72.0 55.2 82.8





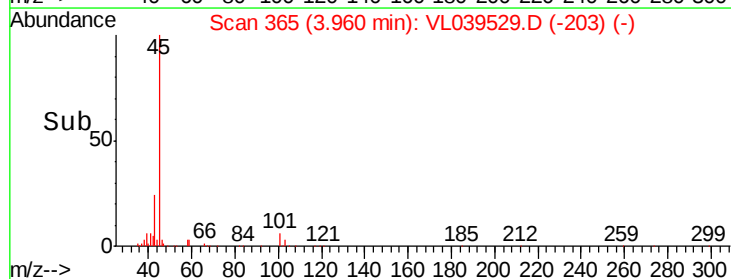
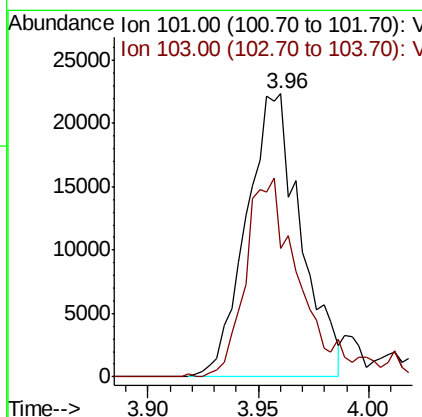
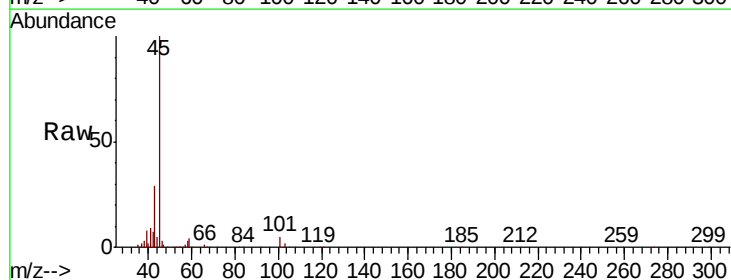
#10
 Heptane
 Concen: 0.108 ppbv
 RT: 8.13
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Jul 2022 23:29

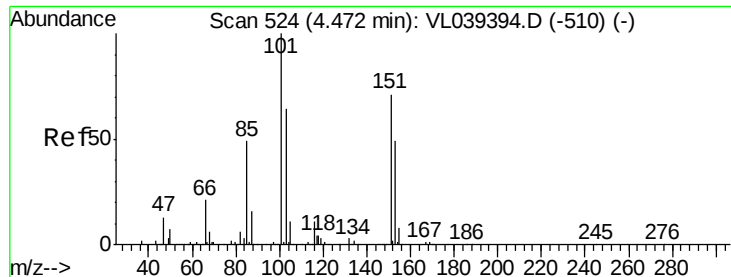
Tot Ion: 43 Resp: 16579
 Ion Ratio Lower Upper
 43 100
 57 124.8 40.5 60.7#



#11
 Trichlorofluoromethane
 Concen: 0.208 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.02 min
 Lab File: VL039529.D
 Acq: 25 Jul 2022 23:29

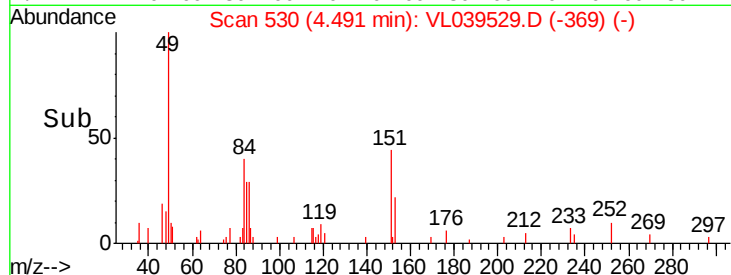
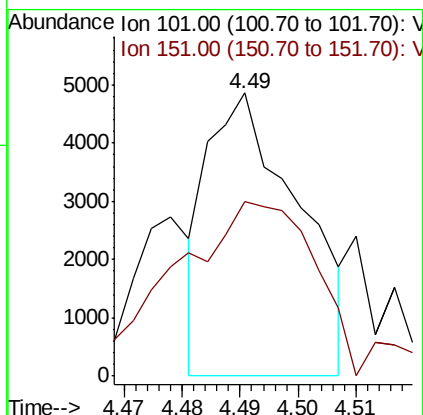
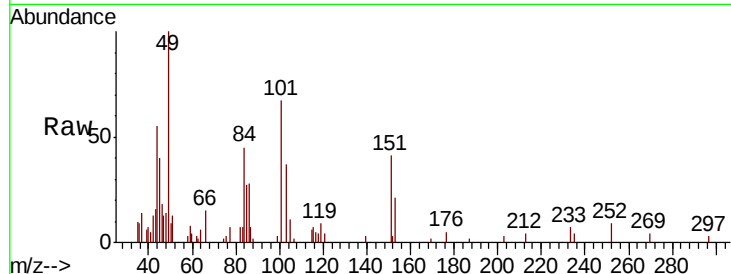
Tgt Ion:101 Resp: 38205
 Ion Ratio Lower Upper
 101 100
 103 44.3 51.8 77.8#





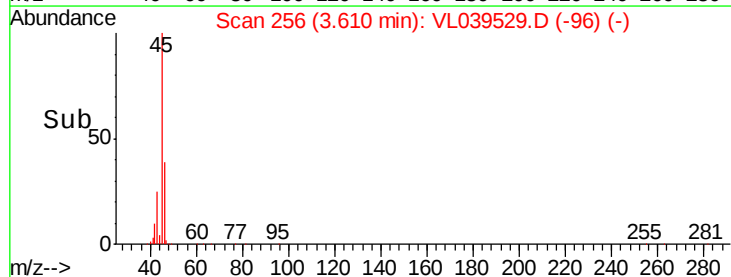
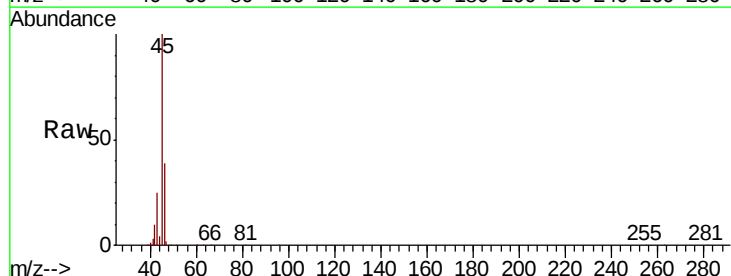
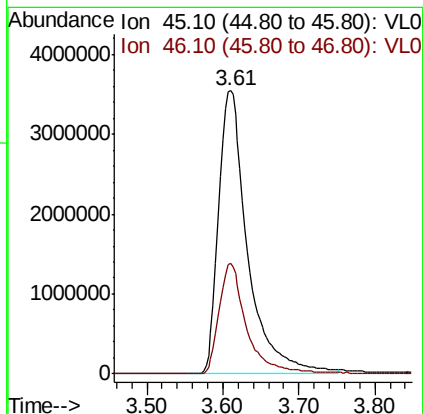
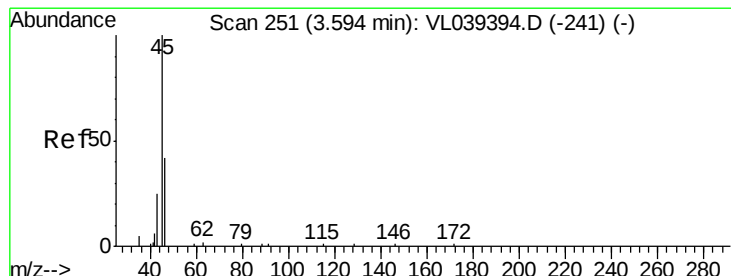
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.039 ppbv
 RT: 4.49
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 25 Jul 2022 23:29

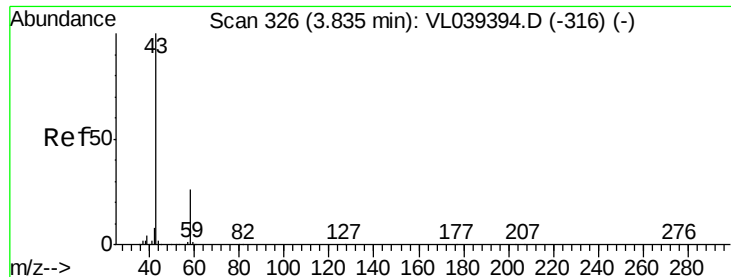
Tot Ion: 101 Resp: 5313
 Ion Ratio Lower Upper
 101 100
 151 110.7 58.9 88.3#



#13
 Ethanol
 Concen: 2483.823 ppbv
 RT: 3.61 min Scan# 256
 Delta R.T. 0.02 min
 Lab File: VL039529.D
 Acq: 25 Jul 2022 23:29

Tgt Ion: 45 Resp: 9452580
 Ion Ratio Lower Upper
 45 100
 46 37.3 22.8 91.2





#15

Acetone

Concen: 29.539 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

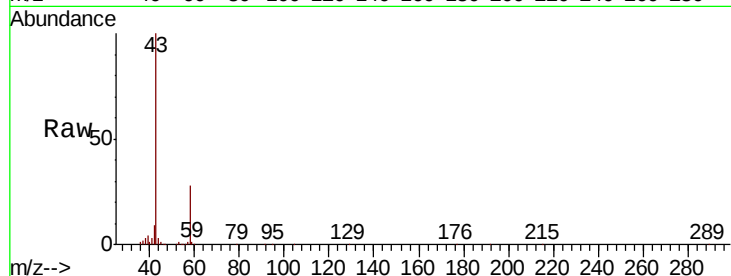
Acq: 25 Jul 2022 23:29

Tot Ion: 43 Resp: 4000907

Ion Ratio Lower Upper

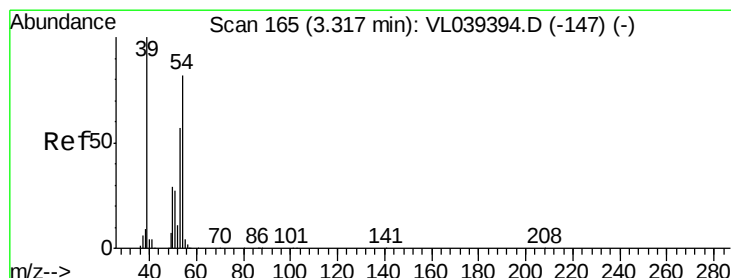
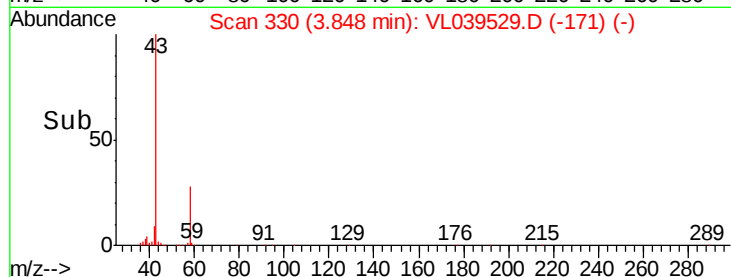
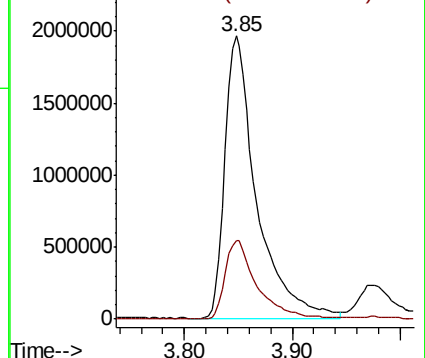
43 100

58 28.6 21.0 31.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.078 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL039529.D

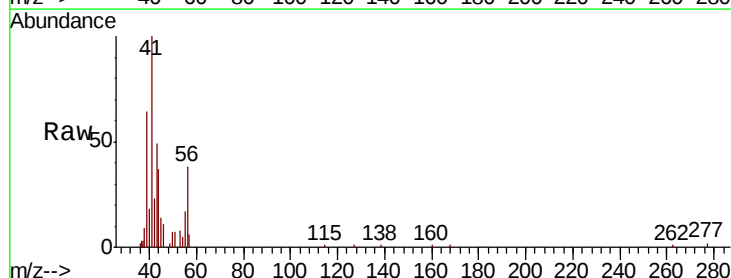
Acq: 25 Jul 2022 23:29

Tgt Ion: 39 Resp: 5491

Ion Ratio Lower Upper

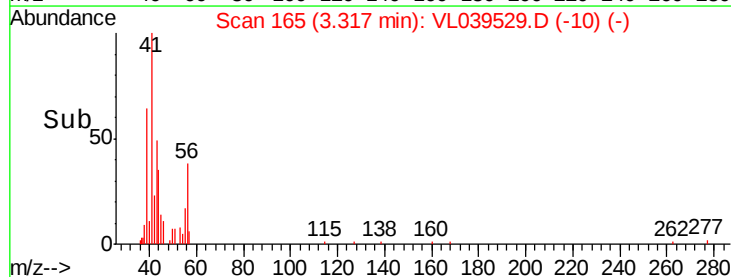
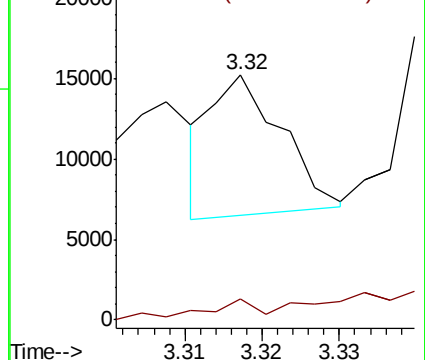
39 100

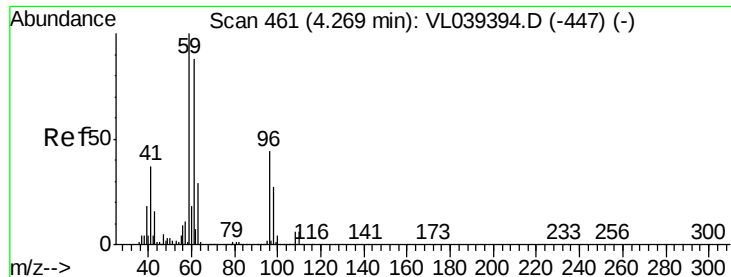
54 0.0 63.7 95.5#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.163 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

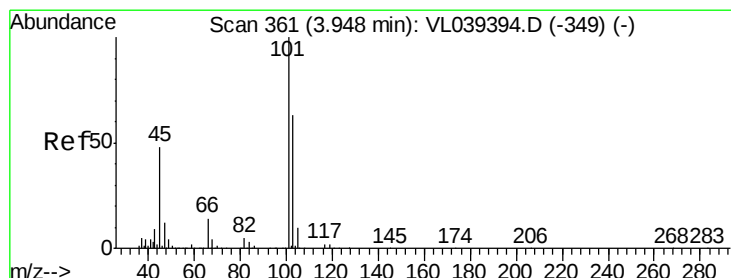
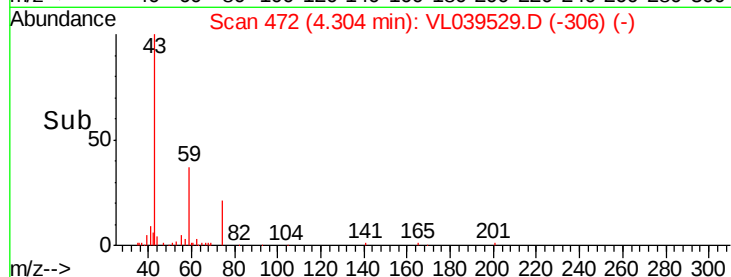
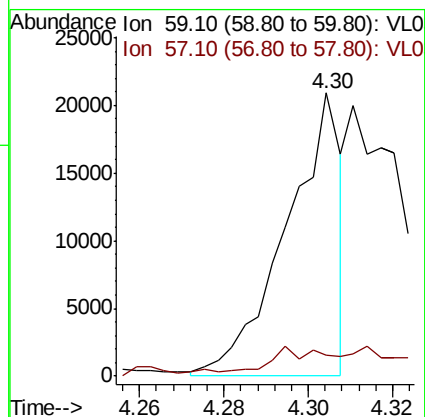
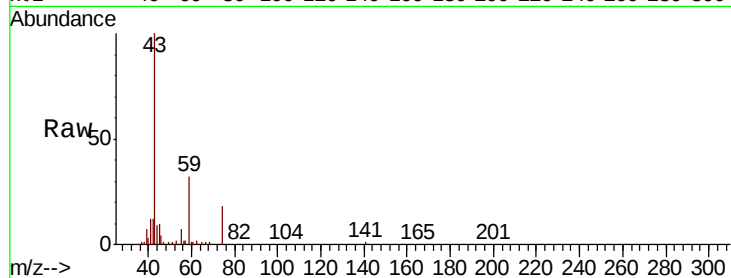
Acq: 25 Jul 2022 23:29

Tot Ion: 59 Resp: 18745

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#19

Isopropyl Alcohol

Concen: 27.529 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.03 min

Lab File: VL039529.D

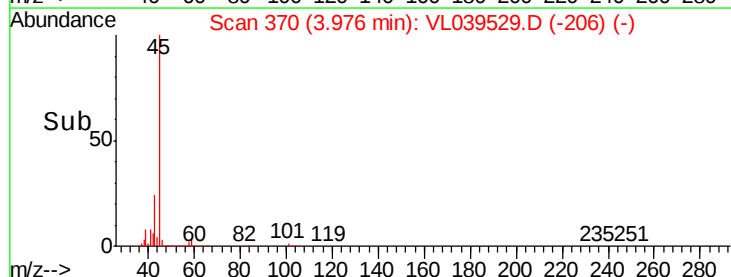
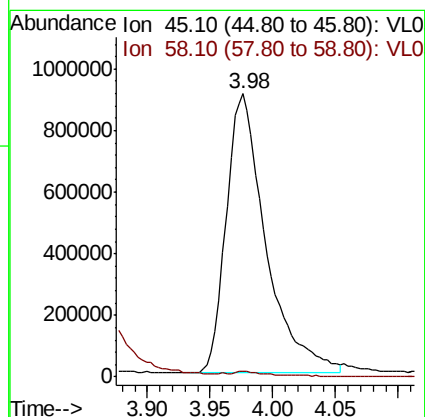
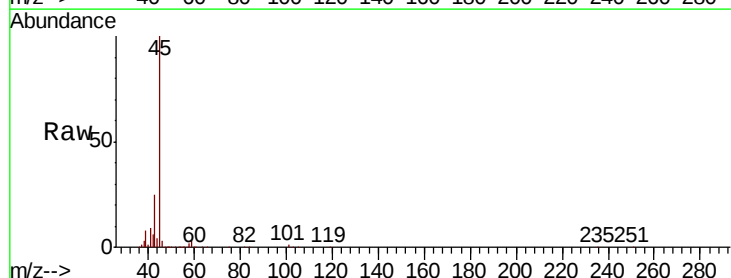
Acq: 25 Jul 2022 23:29

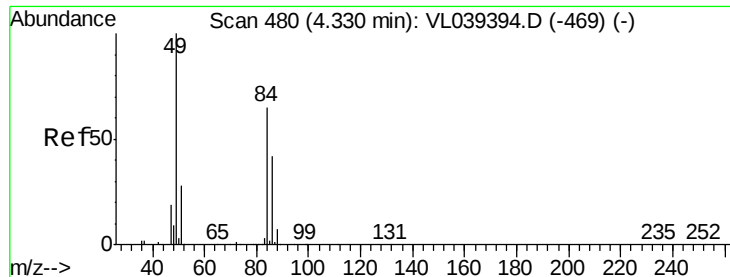
Tgt Ion: 45 Resp: 1988944

Ion Ratio Lower Upper

45 100

58 2.5 3.2 4.8#

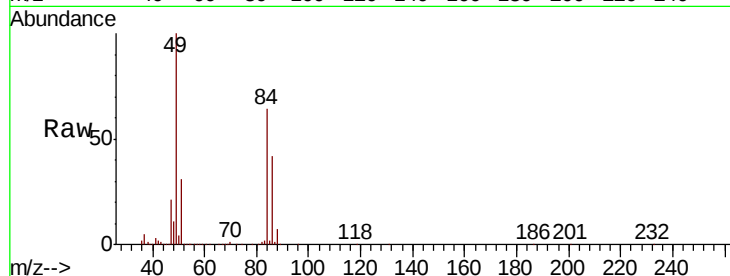




#20
Methylene Chloride
Concen: 27.637 ppbv
RT: 4.35 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Jul 2022 23:29

Tot Ion: 84 Resp: 1492033

Ion	Ratio	Lower	Upper
84	100		
49	157.1	123.1	184.7
51	48.6	34.4	51.6
86	65.7	51.1	76.7



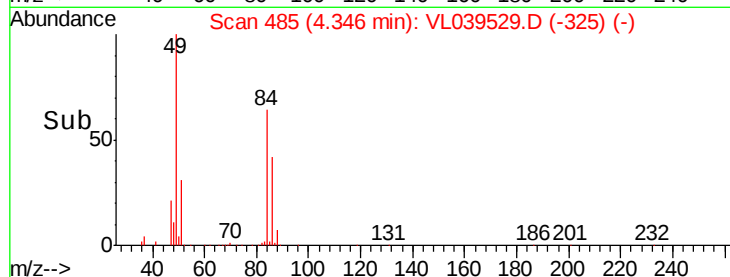
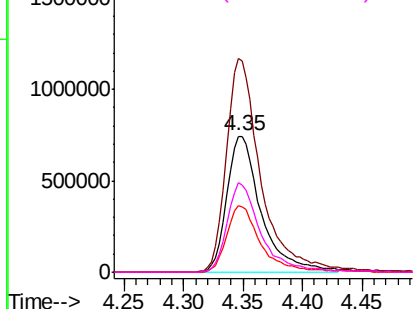
Abundance

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

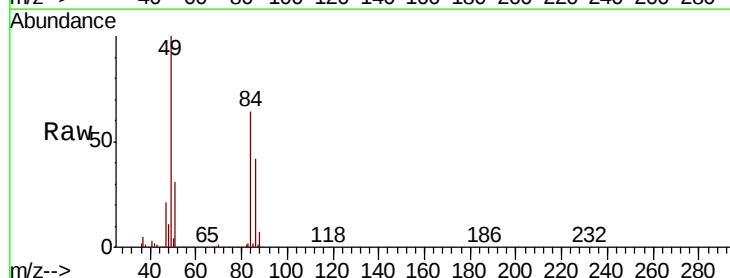
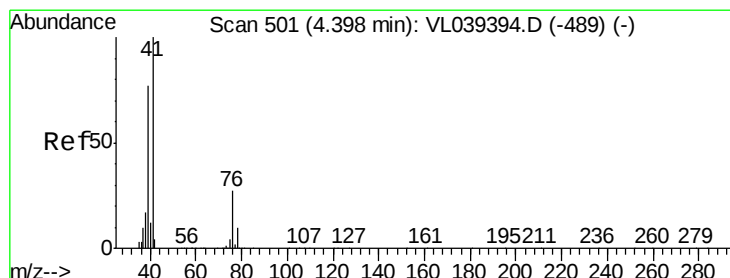
Ion 86.00 (85.70 to 86.70): VL0



#21
Allyl Chloride
Concen: 0.666 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.05 min
Lab File: VL039529.D
Acq: 25 Jul 2022 23:29

Tgt Ion: 41 Resp: 62453

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.4	36.6#
39	14.4	63.5	95.3#

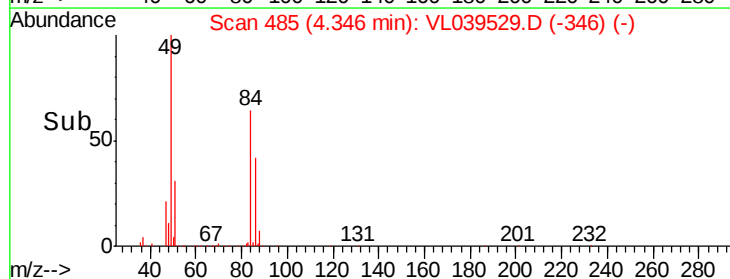
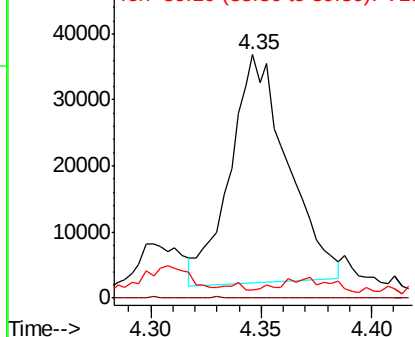


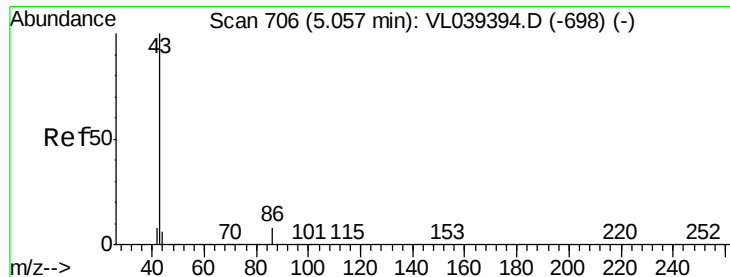
Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

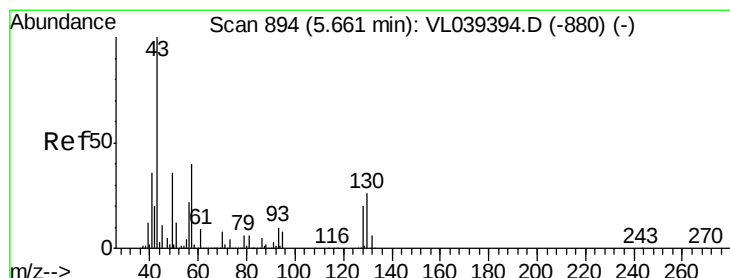
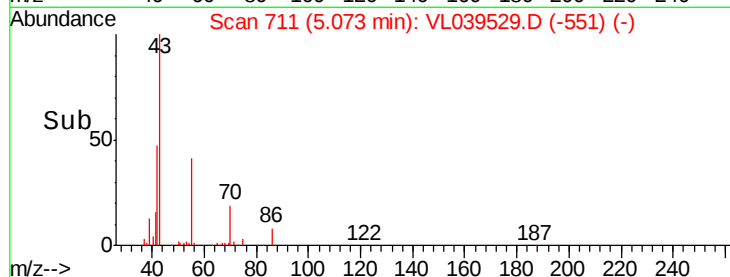
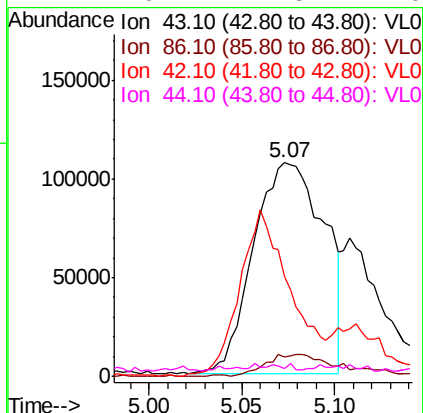
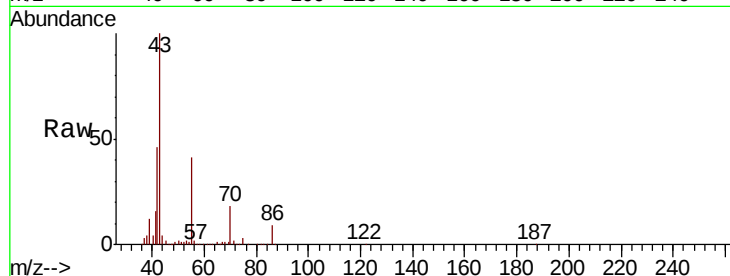
Ion 39.10 (38.80 to 39.80): VL0





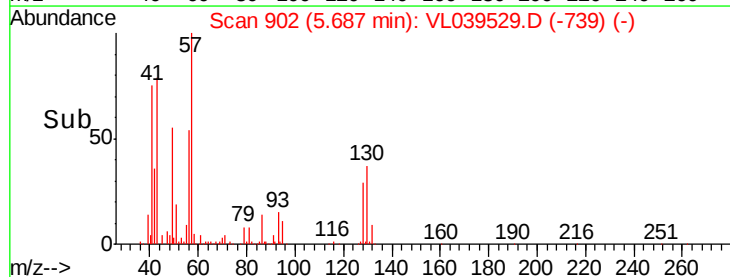
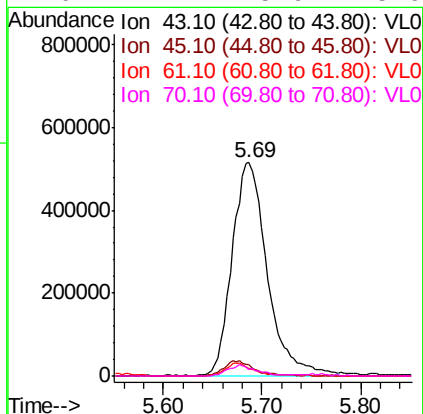
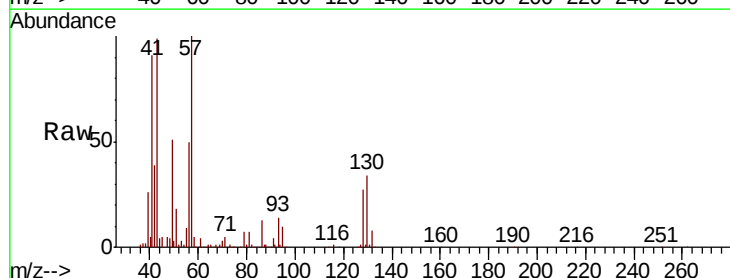
#23
 Vinyl Acetate
 Concen: 3.144 ppbv
 RT: 5.07
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Jul 2022 23:29

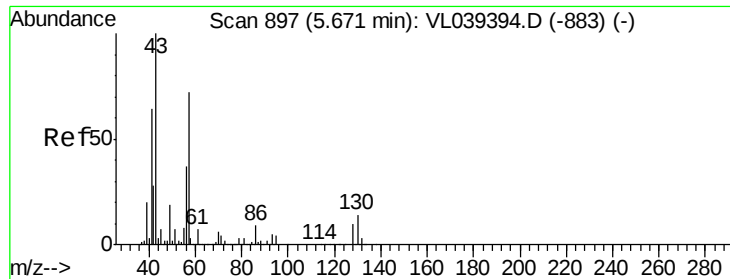
Tot Ion:	43	Resp:	284583
Ion	Ratio	Lower	Upper
43	100		
86	9.4	5.0	7.6#
42	45.7	7.7	11.5#
44	0.7	4.6	7.0#



#25
 Ethyl Acetate
 Concen: 4.591 ppbv
 RT: 5.69 min Scan# 902
 Delta R.T. 0.03 min
 Lab File: VL039529.D
 Acq: 25 Jul 2022 23:29

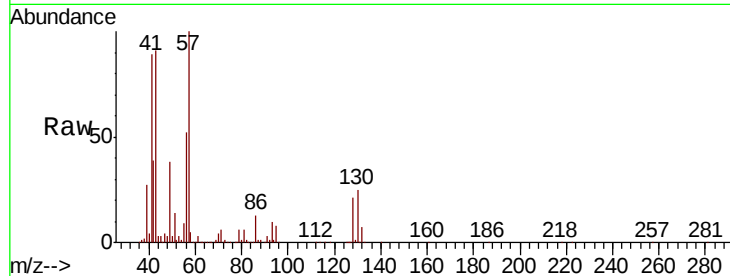
Tgt Ion:	43	Resp:	1275143
Ion	Ratio	Lower	Upper
43	100		
45	6.5	8.2	12.4#
61	5.2	8.3	12.5#
70	4.4	5.9	8.9#





#26
Hexane
Concen: 10.103 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Jul 2022 23:29

Tot Ion	57	Resp	1130998
Ion	Ratio	Lower	Upper
57	100		
41	89.6	76.9	115.3
43	113.2	191.0	286.6#
56	52.3	43.2	64.8



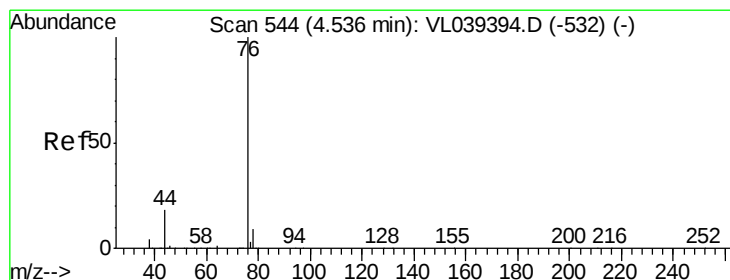
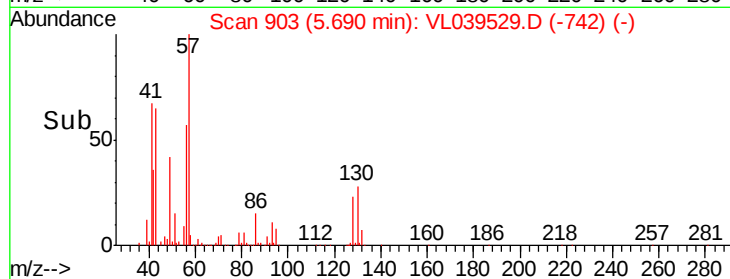
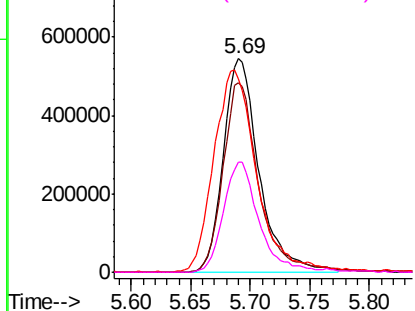
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

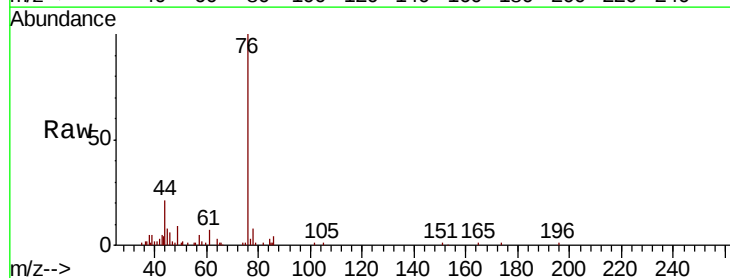
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27
Carbon Disulfide
Concen: 0.441 ppbv
RT: 4.56 min Scan# 550
Delta R.T. 0.02 min
Lab File: VL039529.D
Acq: 25 Jul 2022 23:29

Tgt Ion	76	Resp	59545
Ion	Ratio	Lower	Upper
76	100		
44	29.7	14.6	21.8#
78	11.8	7.8	11.6#

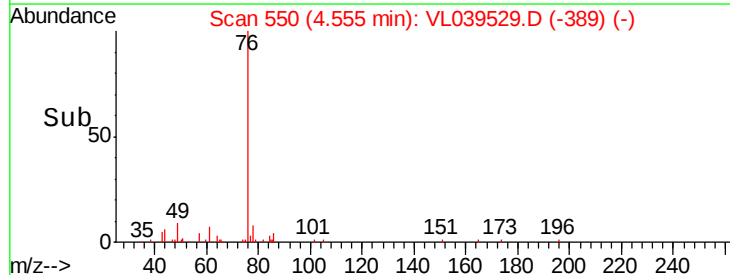
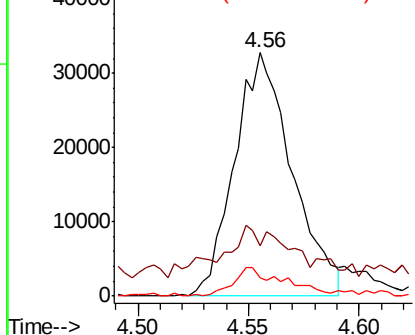


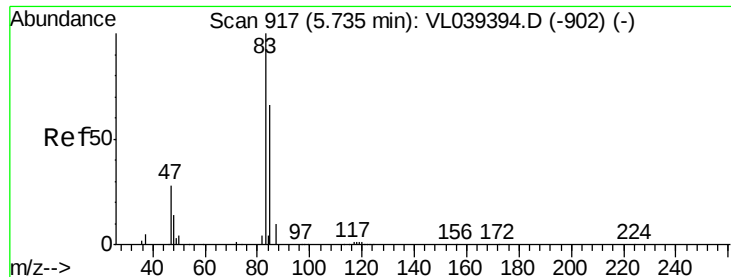
Abundance

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: 3.771 ppbv

RT: 5.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

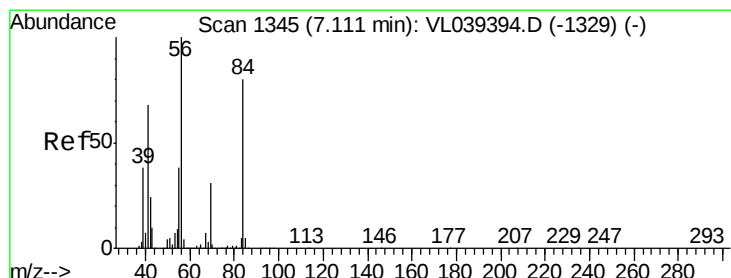
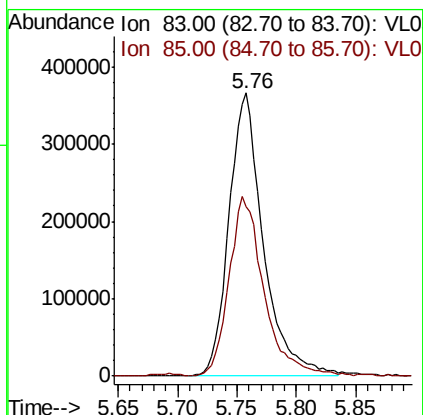
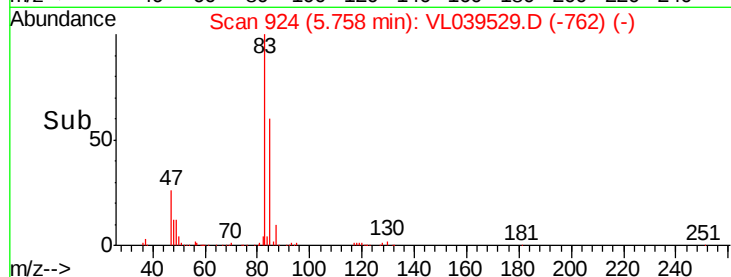
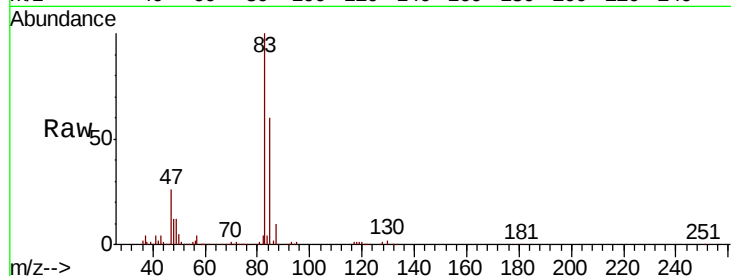
Acq: 25 Jul 2022 23:29

Tot Ion: 83 Resp: 734100

Ion Ratio Lower Upper

83 100

85 59.5 52.8 79.2



#30

Cyclohexane

Concen: 0.133 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.02 min

Lab File: VL039529.D

Acq: 25 Jul 2022 23:29

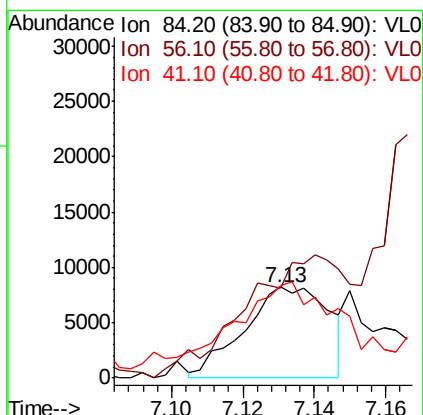
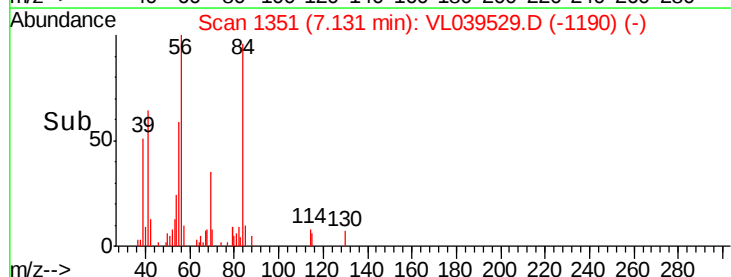
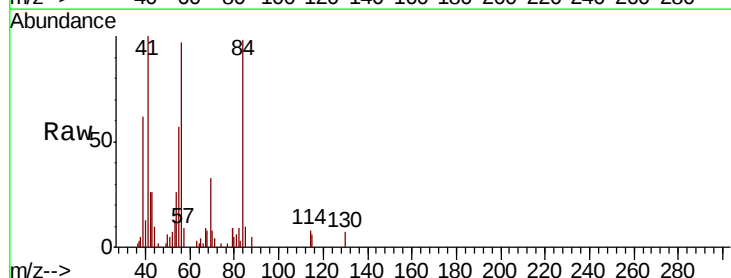
Tgt Ion: 84 Resp: 13525

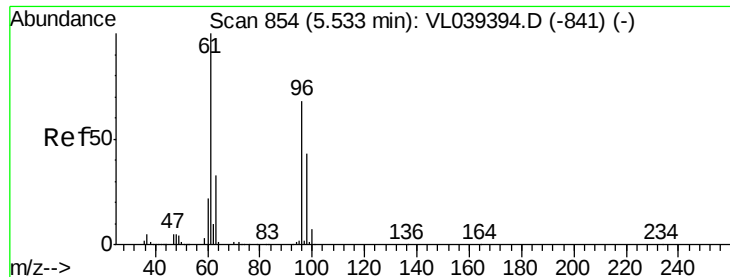
Ion Ratio Lower Upper

84 100

56 0.0 107.7 161.5#

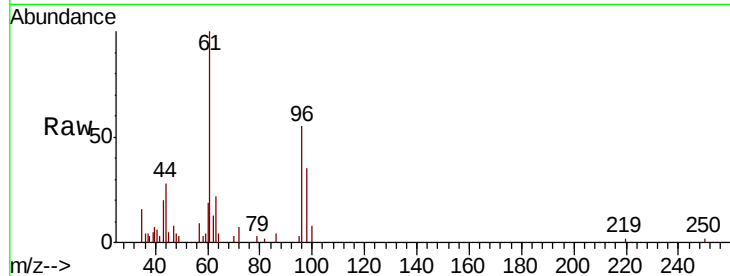
41 137.8 67.7 101.5#



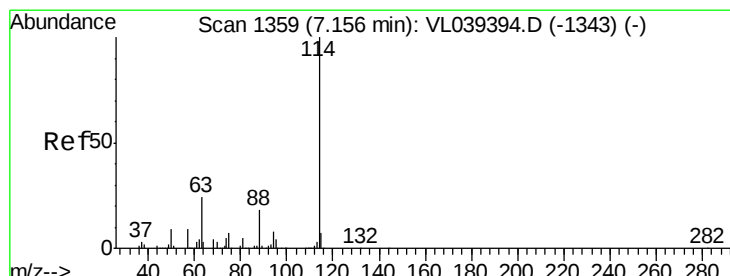
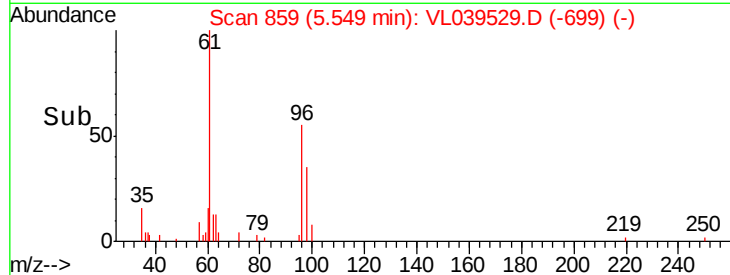
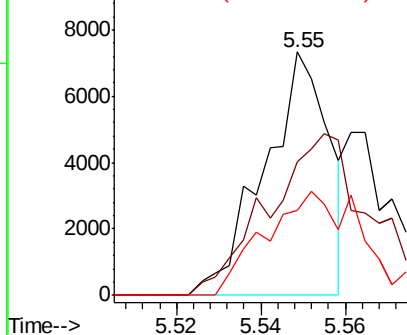


#31
 cis-1,2-Dichloroethene
 Concen: 0.066 ppbv
 RT: 5.55
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Jul 2022 23:29

Tot Ion:	61	Resp:	7789
Ion	Ratio	Lower	Upper
61	100		
96	54.7	54.1	81.1
98	34.7	34.6	52.0

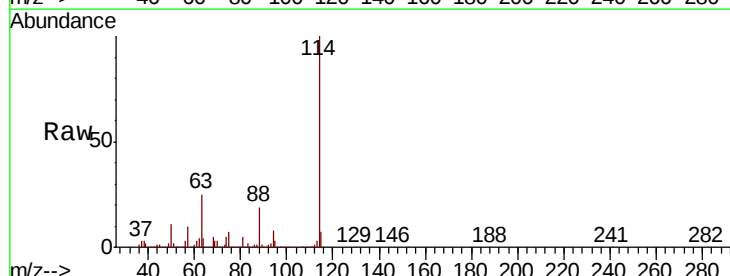


Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0

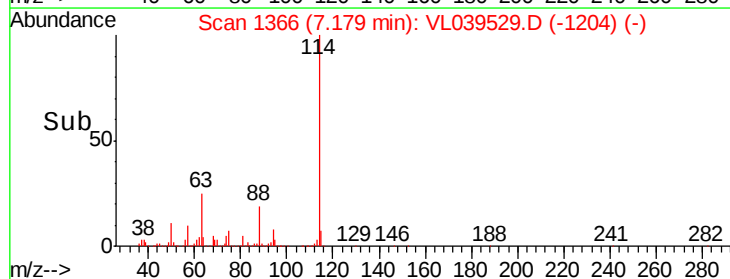
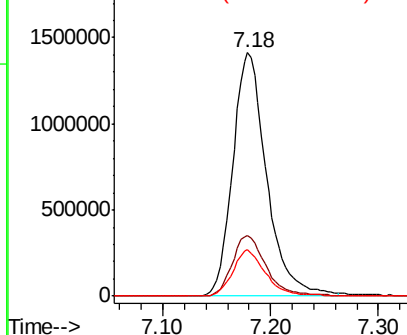


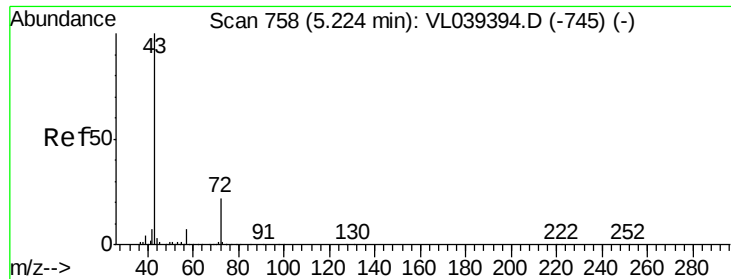
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.02 min
 Lab File: VL039529.D
 Acq: 25 Jul 2022 23:29

Tgt Ion:	114	Resp:	3090474
Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.4
88	18.5	14.5	21.7



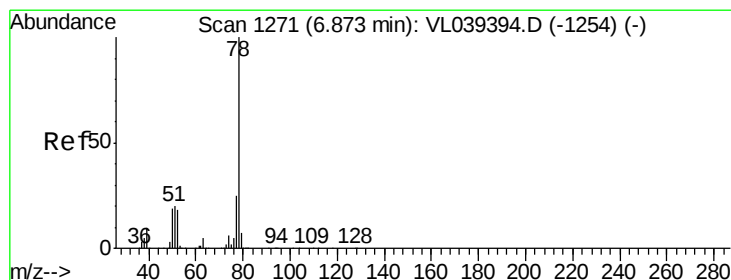
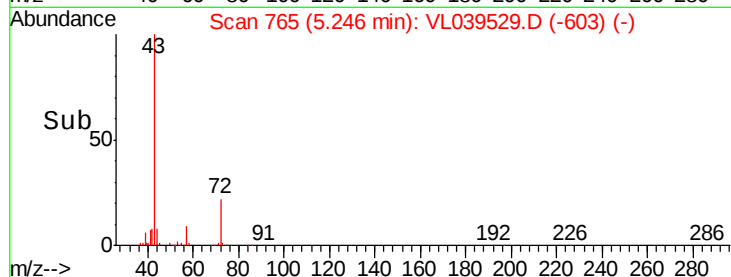
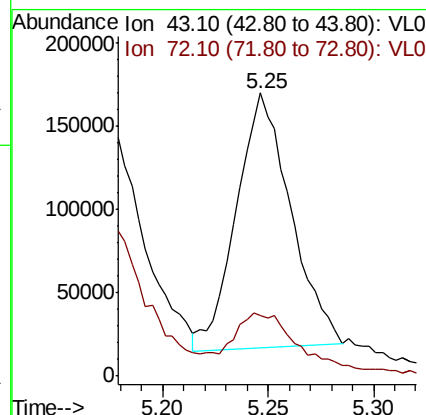
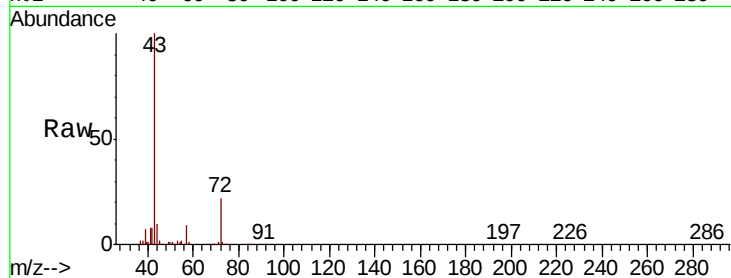
Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0





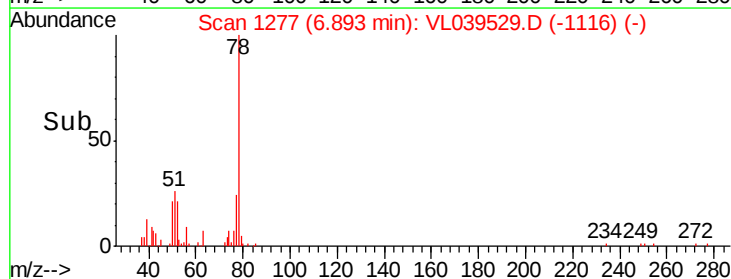
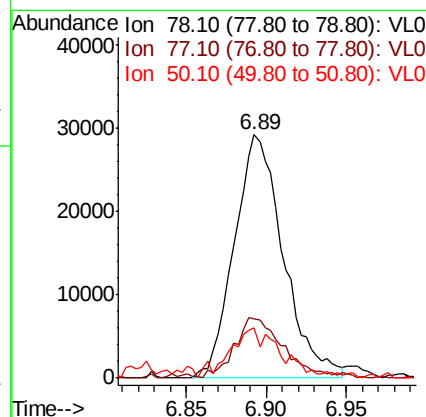
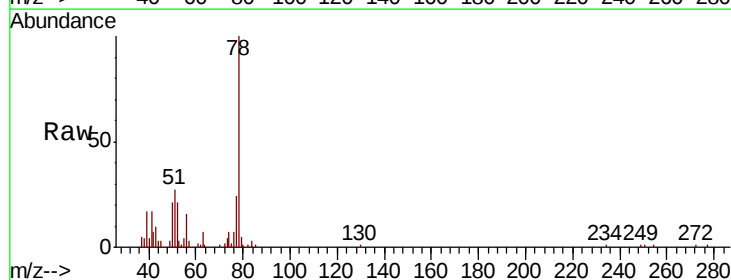
#34
 2-Butanone
 Concen: 1.758 ppbv
 RT: 5.25
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Jul 2022 23:29

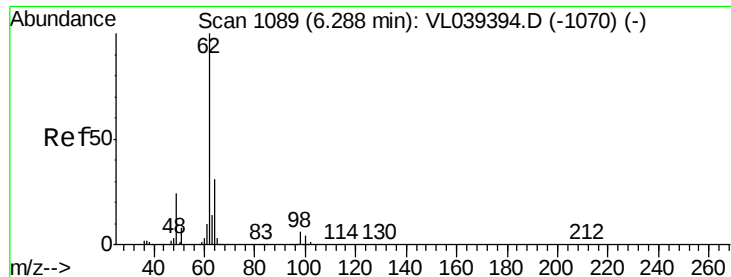
Tot Ion: 43 Resp: 273458
 Ion Ratio Lower Upper
 43 100
 72 35.8 17.9 26.9#



#36
 Benzene
 Concen: 0.256 ppbv
 RT: 6.89 min Scan# 1277
 Delta R.T. 0.02 min
 Lab File: VL039529.D
 Acq: 25 Jul 2022 23:29

Tgt Ion: 78 Resp: 61292
 Ion Ratio Lower Upper
 78 100
 77 23.4 20.3 30.5
 50 19.4 15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.072 ppbv

RT: 6.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

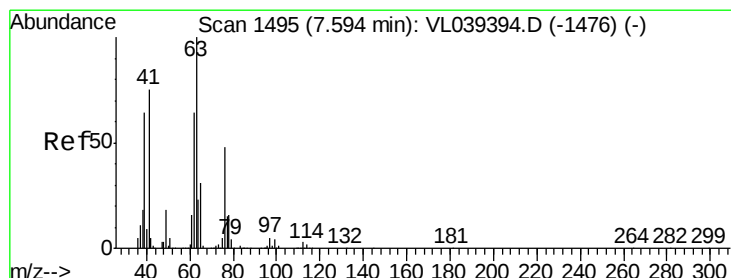
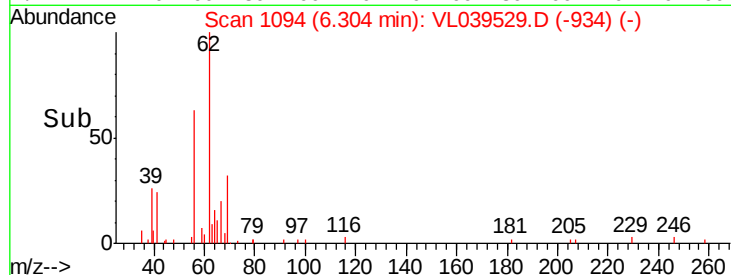
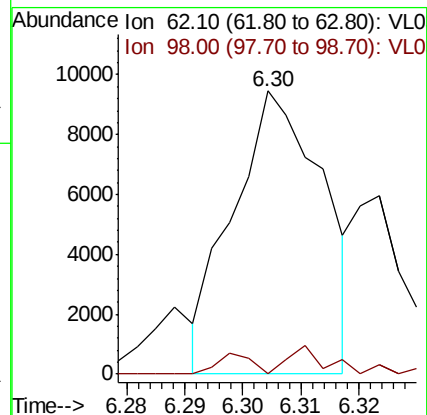
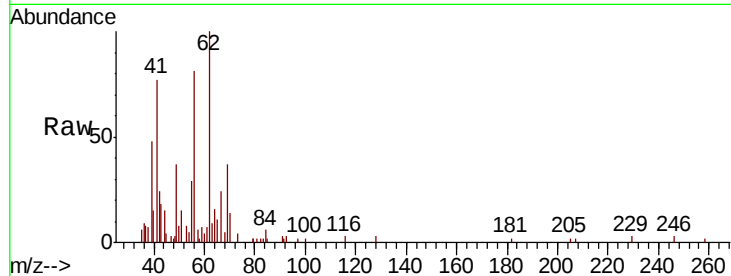
Acq: 25 Jul 2022 23:29

Tot Ion: 62 Resp: 10162

Ion Ratio Lower Upper

62 100

98 7.8 5.1 7.7#



#39

1,2-Dichloropropane

Concen: 8.496 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.41 min

Lab File: VL039529.D

Acq: 25 Jul 2022 23:29

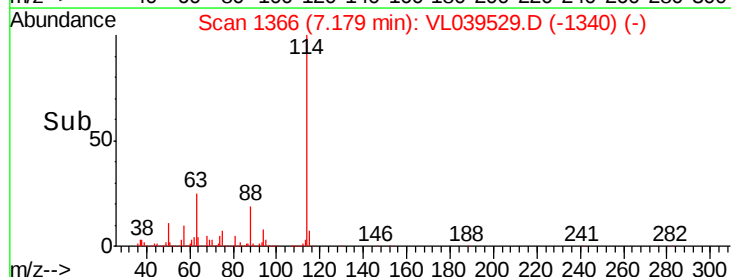
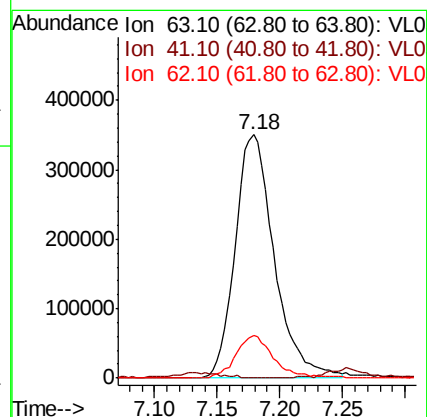
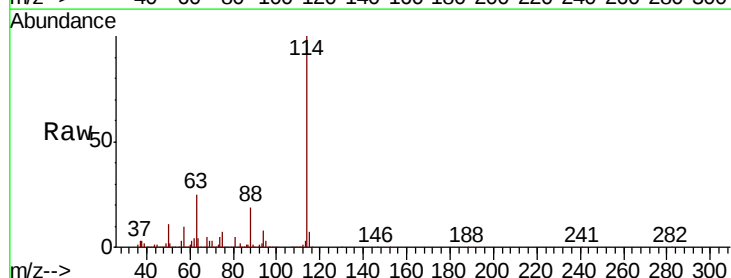
Tgt Ion: 63 Resp: 759132

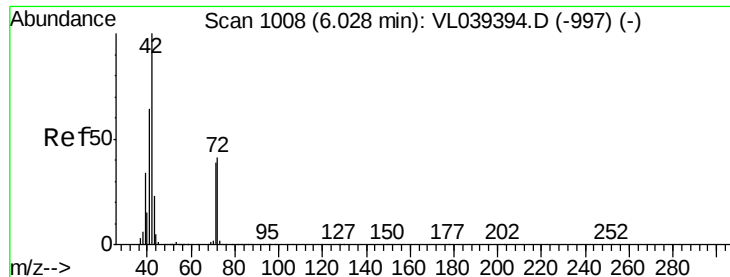
Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 17.7 51.4 77.0#





#41

Tetrahydrofuran

Concen: 0.117 ppbv

RT: 6.06 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-1DUP

Acq: 25 Jul 2022 23:29

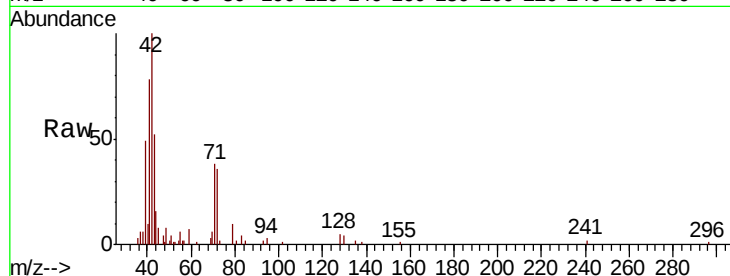
Tot Ion: 42 Resp: 10525

Ion Ratio Lower Upper

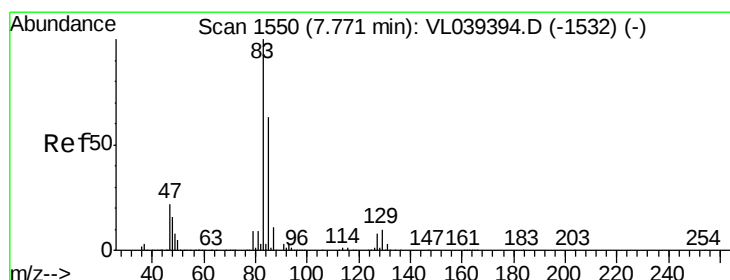
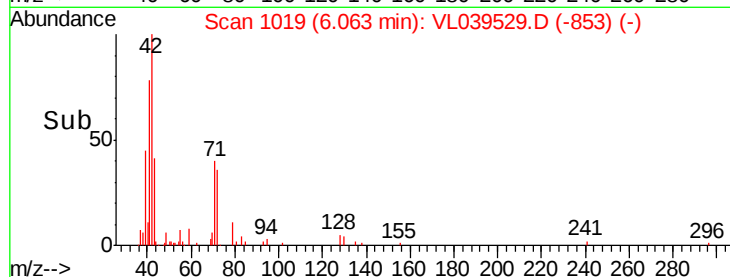
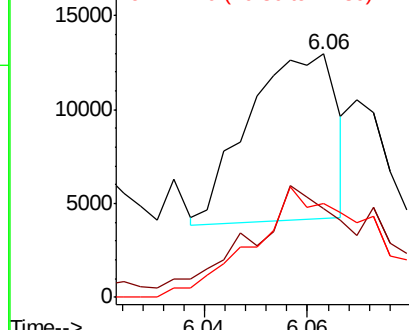
42 100

72 118.5 31.8 47.8#

71 104.4 31.8 47.8#



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



#42

Bromodichloromethane

Concen: 0.067 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.03 min

Lab File: VL039529.D

Acq: 25 Jul 2022 23:29

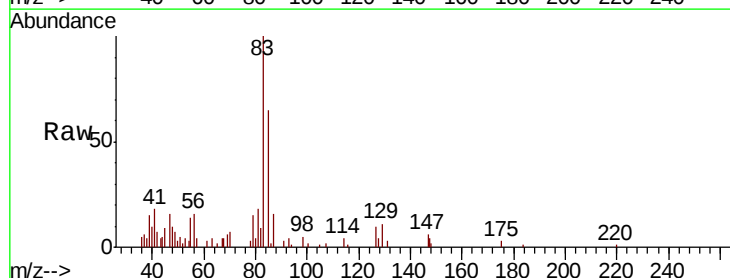
Tgt Ion: 83 Resp: 12783

Ion Ratio Lower Upper

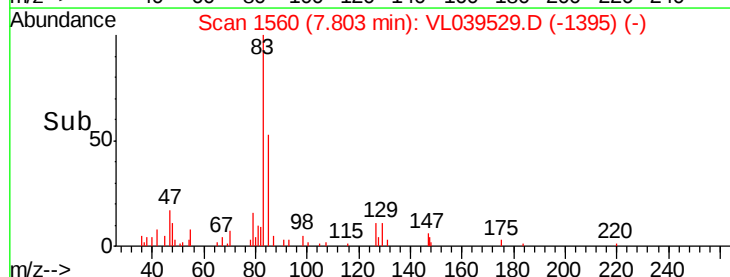
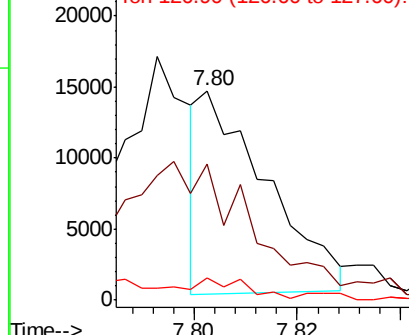
83 100

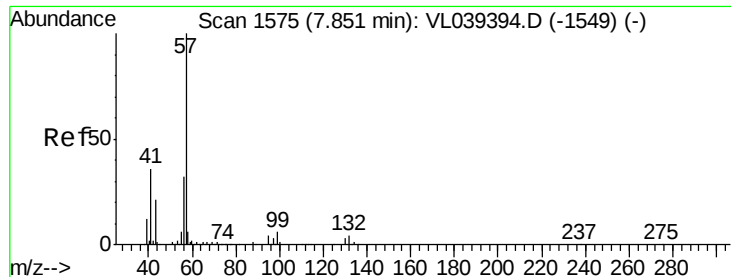
85 69.4 50.7 76.1

127 8.4 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#44

2,2,4-Trimethylpentane

Concen: 0.163 ppbv

RT: 7.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Jul 2022 23:29

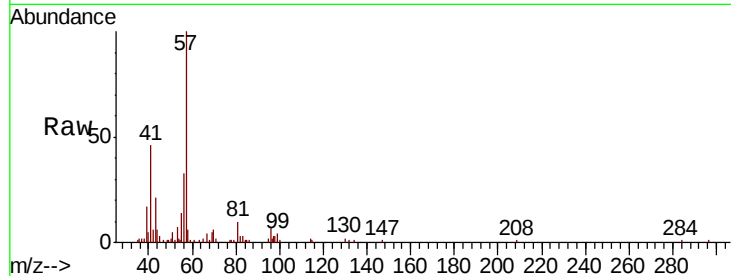
Tot Ion: 57 Resp: 66152

Ion Ratio Lower Upper

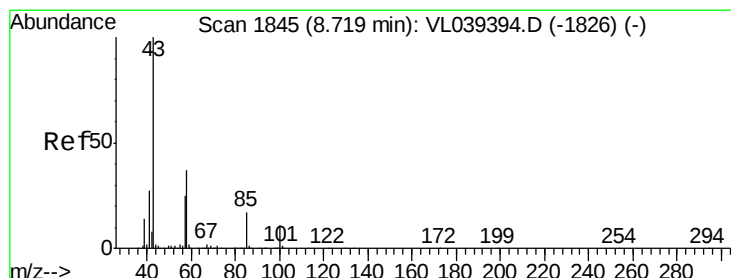
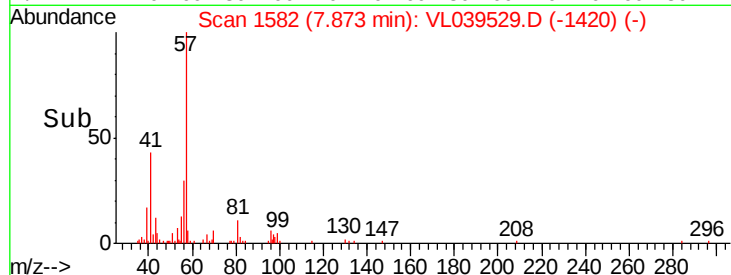
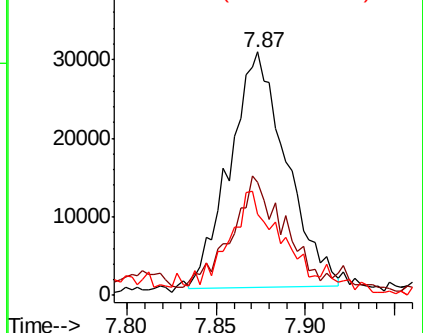
57 100

41 50.4 27.4 41.2#

56 47.6 24.5 36.7#



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



#50

4-Methyl-2-Pentanone

Concen: 0.120 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.03 min

Lab File: VL039529.D

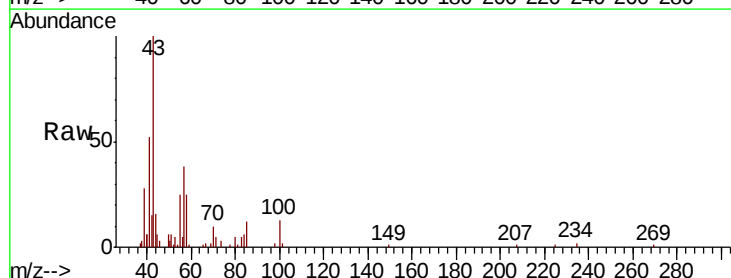
Acq: 25 Jul 2022 23:29

Tgt Ion: 43 Resp: 28223

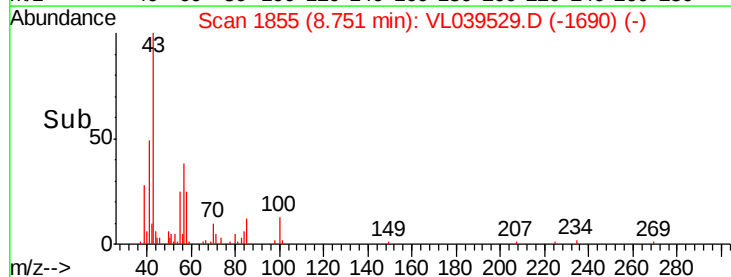
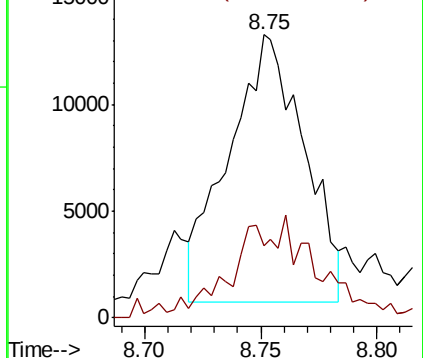
Ion Ratio Lower Upper

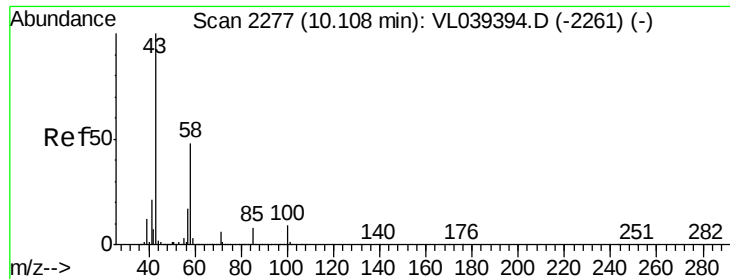
43 100

58 43.5 28.8 43.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.037 ppbv

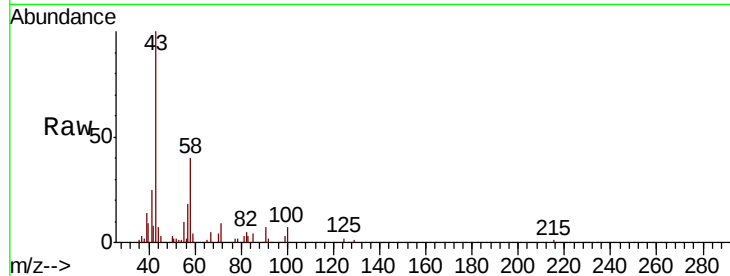
RT: 10.14

Delta R.T. MSVOA_L

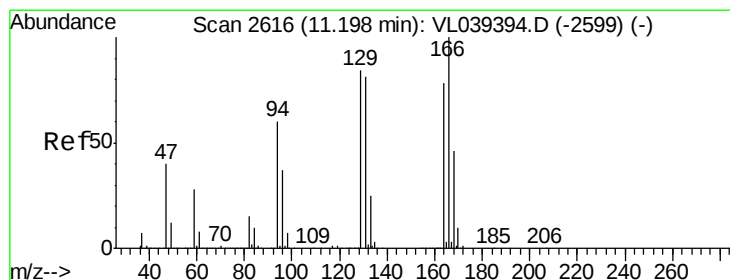
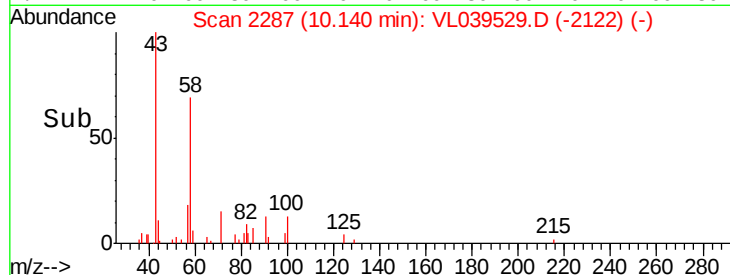
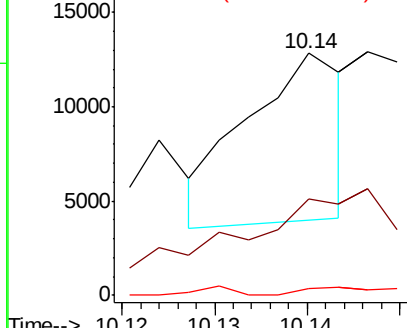
Lab File: ClientSampleId:

Acq: 25 Jul 2022 23:29

Tot Ion:	43	Resp:	6508
Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.4	57.6#
98	0.0	0.3	0.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.065 ppbv

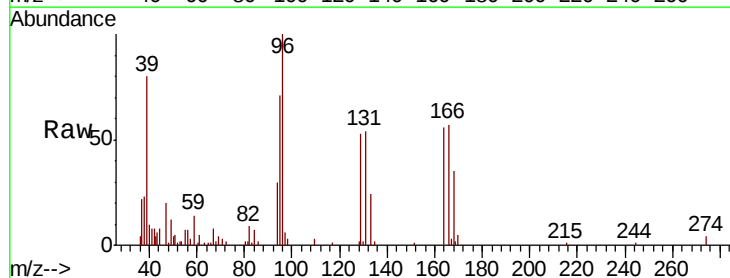
RT: 11.23 min Scan# 2625

Delta R.T. 0.03 min

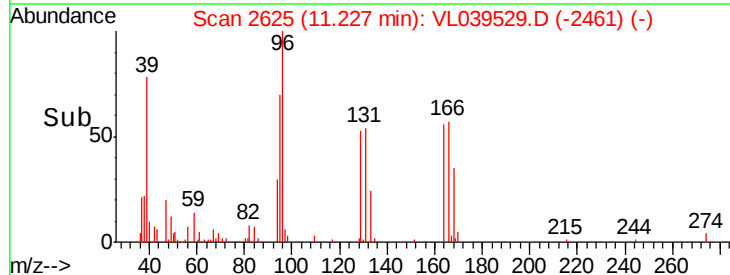
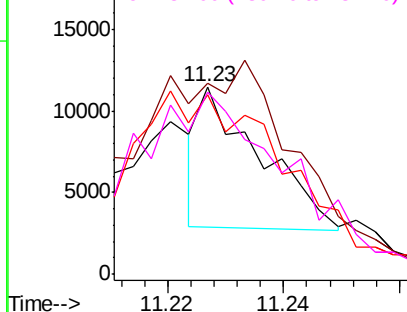
Lab File: VL039529.D

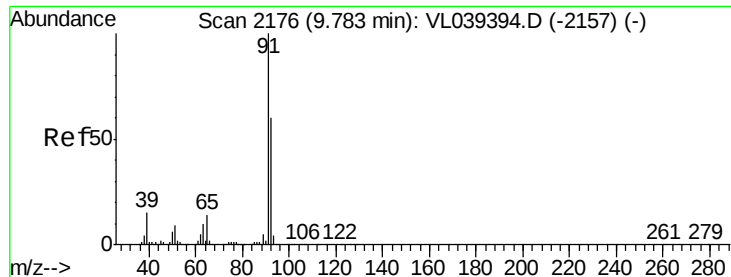
Acq: 25 Jul 2022 23:29

Tgt Ion:	164	Resp:	6250
Ion	Ratio	Lower	Upper
164	100		
166	95.2	102.2	153.2#
129	81.6	85.8	128.8#
131	76.7	83.3	124.9#



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 1.207 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

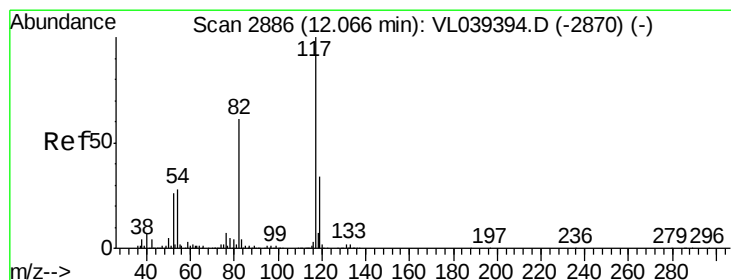
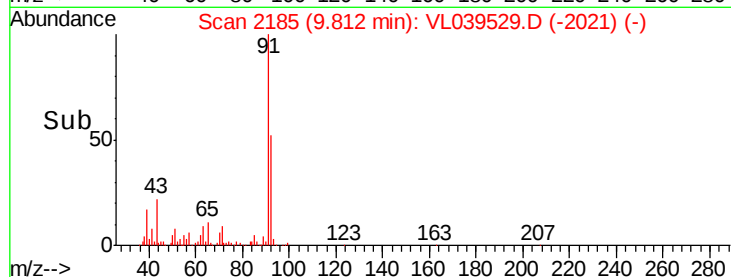
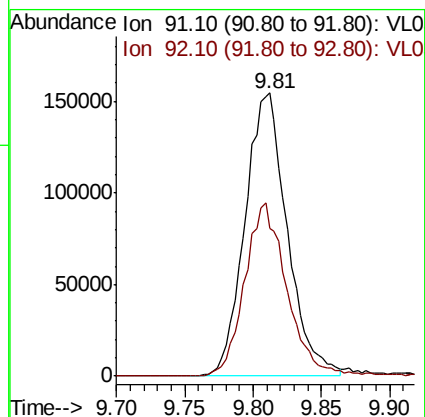
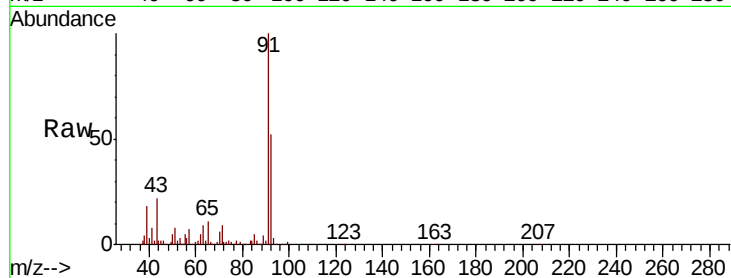
Acq: 25 Jul 2022 23:29

Tot Ion: 91 Resp: 332874

Ion Ratio Lower Upper

91 100

92 61.3 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.02 min

Lab File: VL039529.D

Acq: 25 Jul 2022 23:29

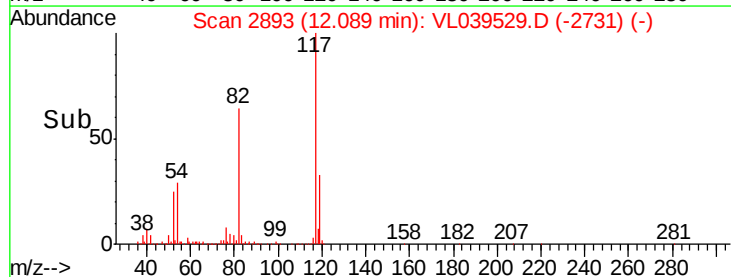
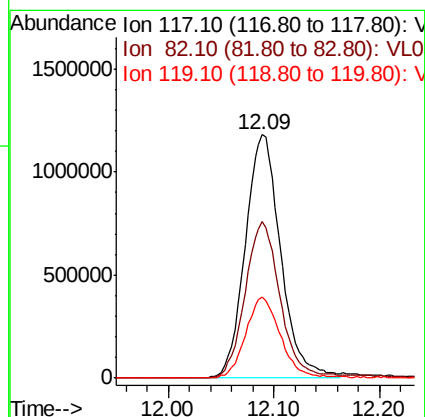
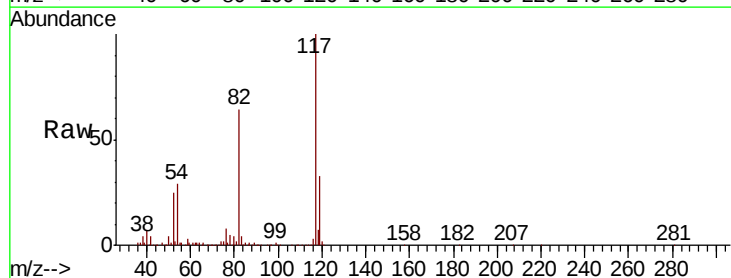
Tgt Ion: 117 Resp: 2765057

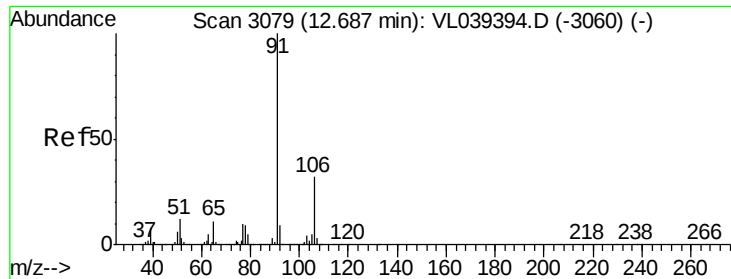
Ion Ratio Lower Upper

117 100

82 65.6 50.8 76.2

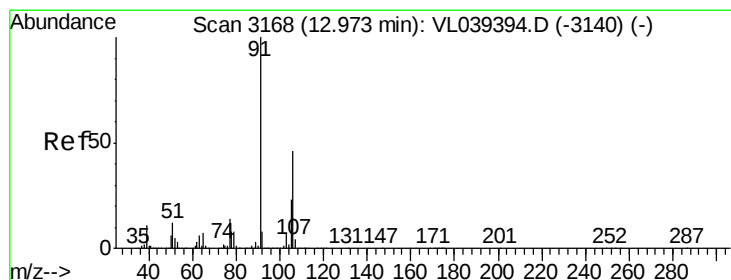
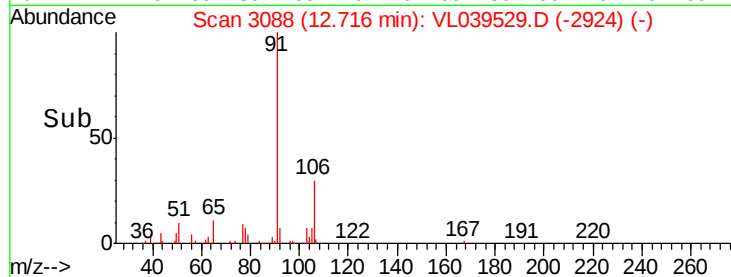
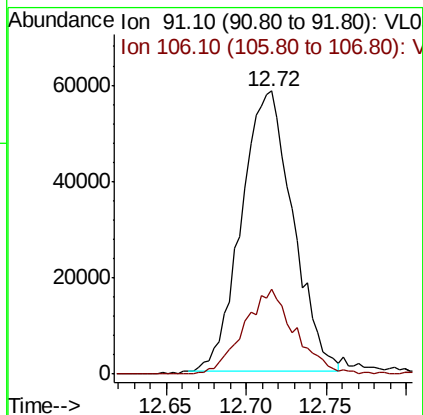
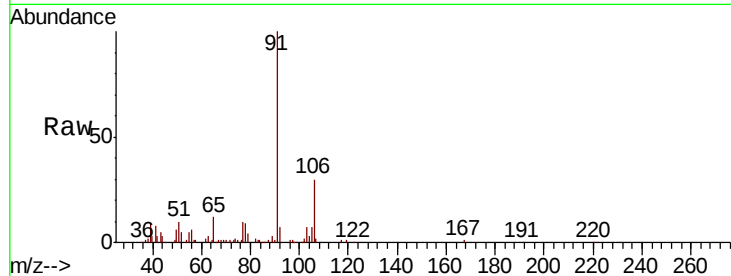
119 33.6 24.1 36.1





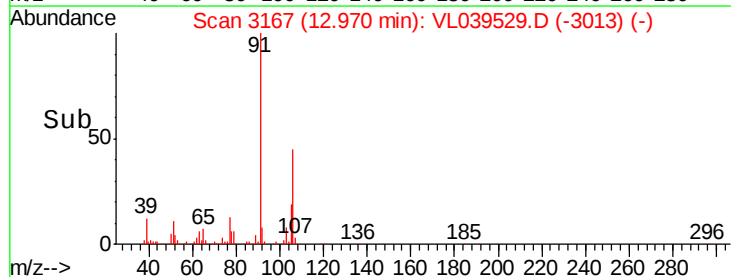
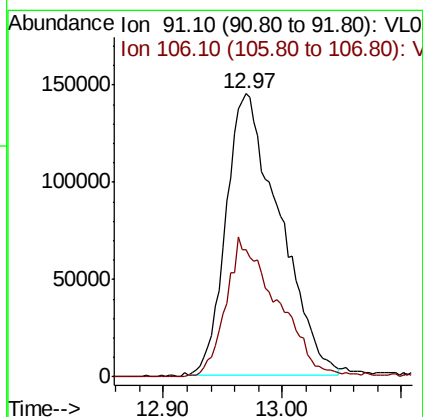
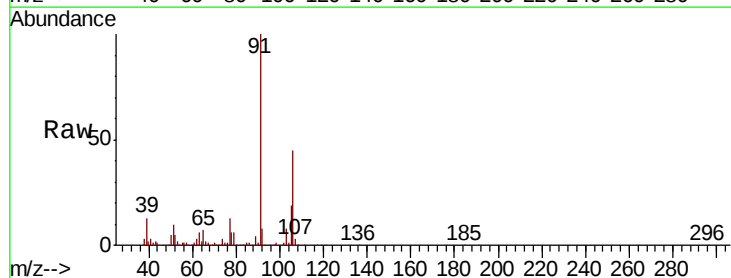
#58
Ethyl Benzene
Concen: 0.362 ppbv
RT: 12.72 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Jul 2022 23:29

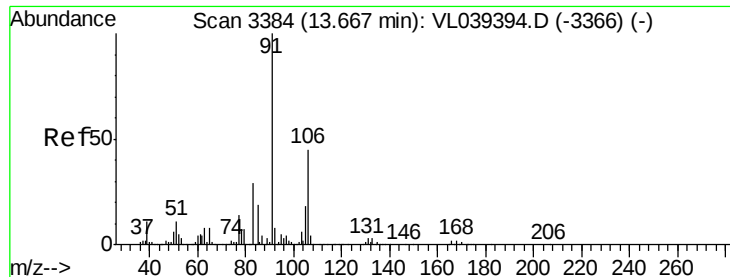
Tot Ion: 91 Resp: 129136
Ion Ratio Lower Upper
91 100
106 30.2 25.4 38.0



#59
m/p-Xylene
Concen: 1.433 ppbv
RT: 12.97 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VL039529.D
Acq: 25 Jul 2022 23:29

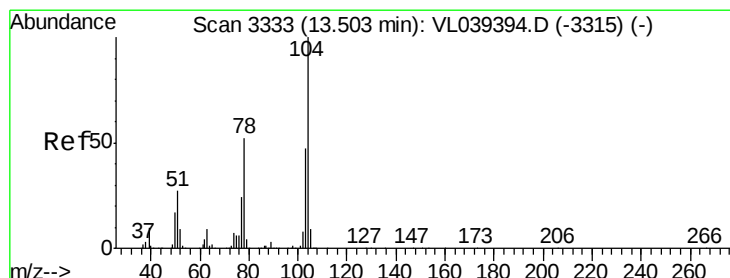
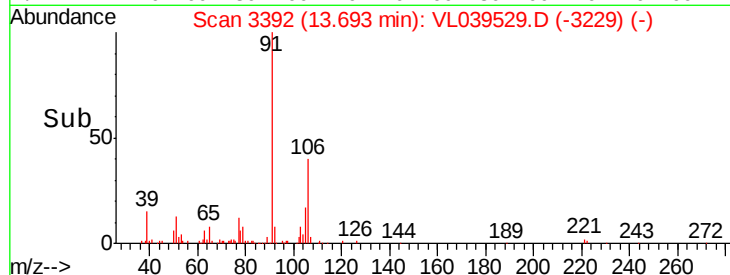
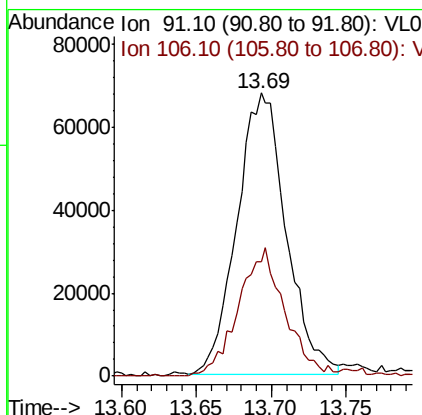
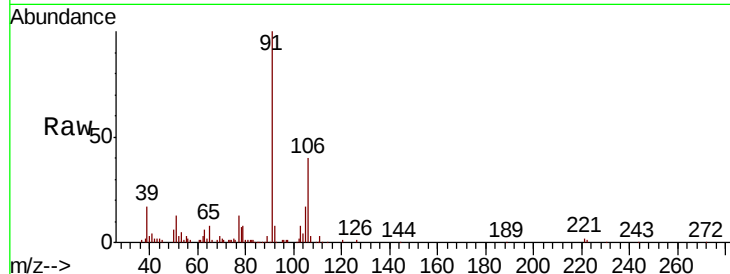
Tgt Ion: 91 Resp: 450947
Ion Ratio Lower Upper
91 100
106 47.7 35.4 53.2





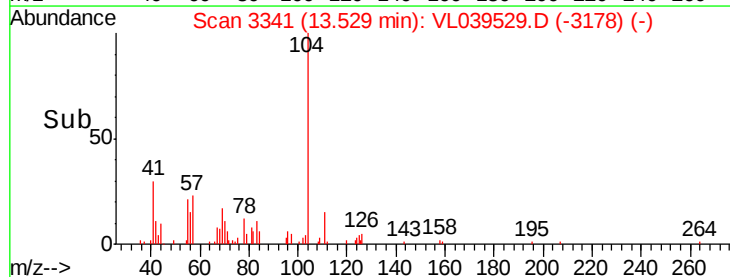
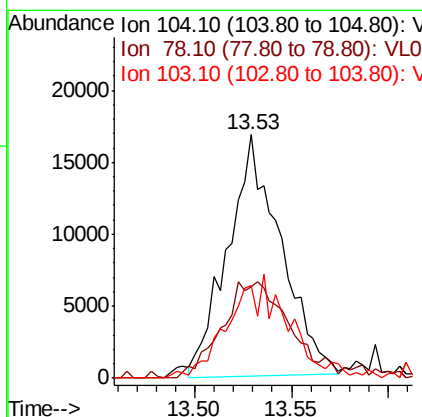
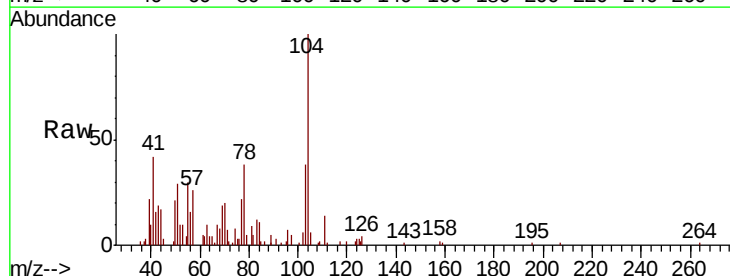
#60
o-Xylene
Concen: 0.523 ppbv
RT: 13.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Jul 2022 23:29

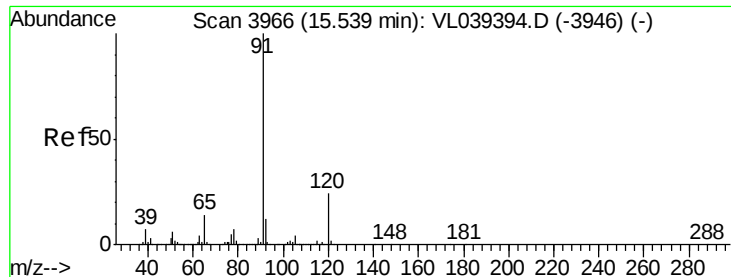
Tot Ion: 91 Resp: 155852
Ion Ratio Lower Upper
91 100
106 45.1 22.4 67.3



#61
Styrene
Concen: 0.197 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. 0.03 min
Lab File: VL039529.D
Acq: 25 Jul 2022 23:29

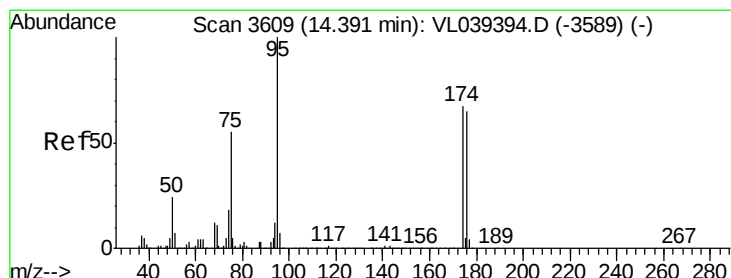
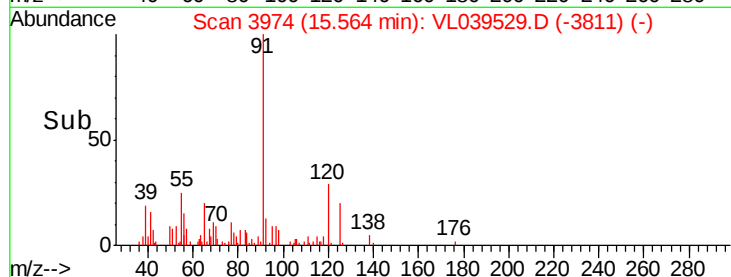
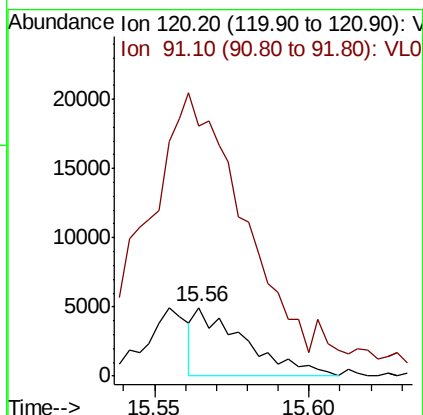
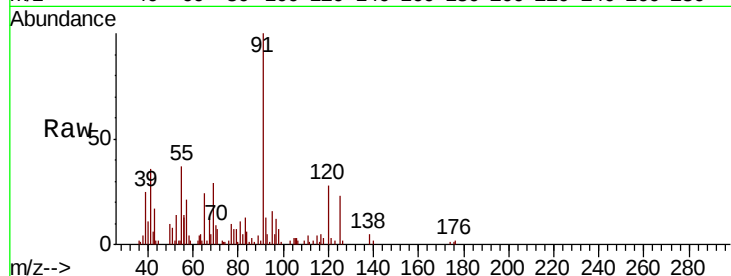
Tgt Ion:104 Resp: 31867
Ion Ratio Lower Upper
104 100
78 55.0 41.2 61.8
103 48.8 38.7 58.1





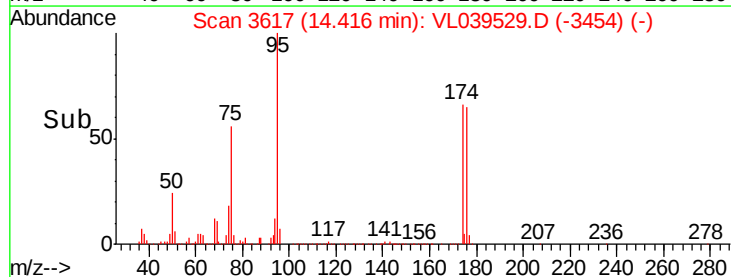
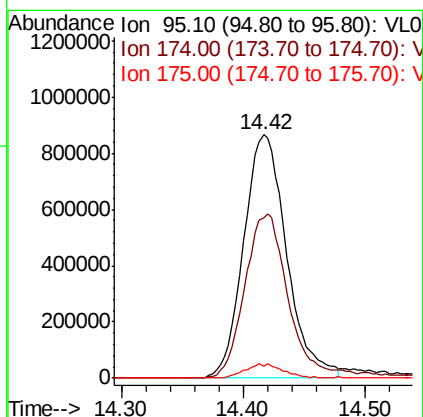
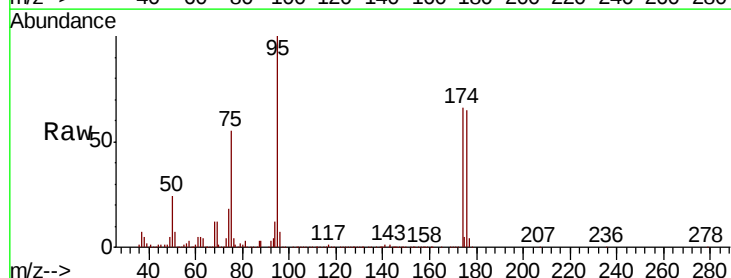
#64
n-propylbenzene
Concen: 0.048 ppbv
RT: 15.56 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Jul 2022 23:29

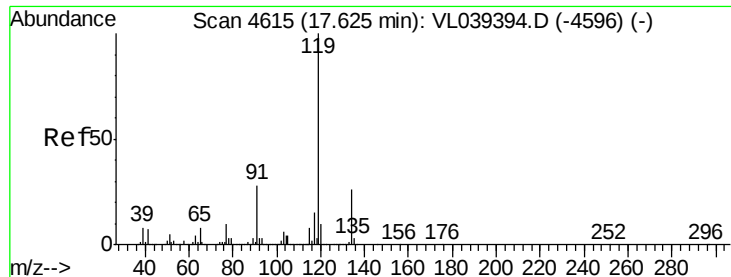
Tot Ion:120 Resp: 5571
Ion Ratio Lower Upper
120 100
91 987.8 367.2 550.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.263 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. 0.03 min
Lab File: VL039529.D
Acq: 25 Jul 2022 23:29

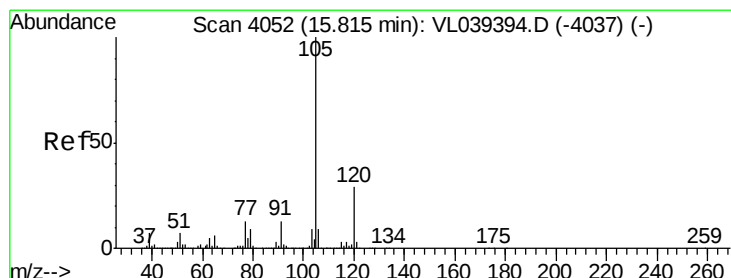
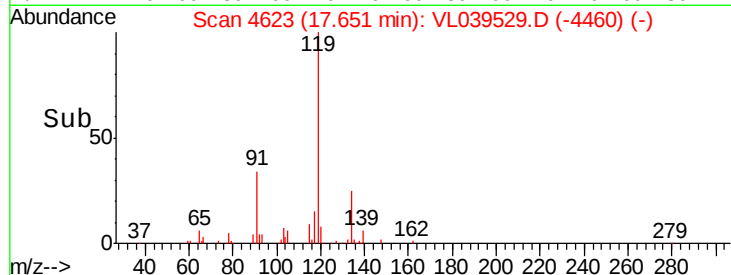
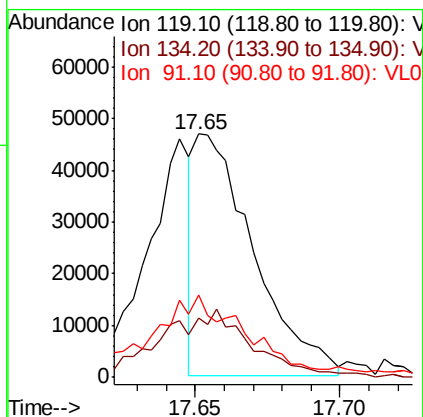
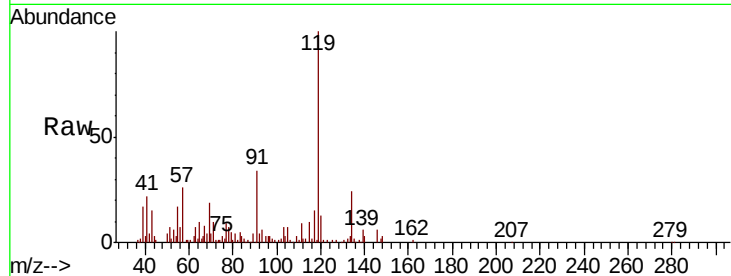
Tgt Ion: 95 Resp: 2105113
Ion Ratio Lower Upper
95 100
174 71.4 55.9 83.9
175 5.5 4.2 6.4





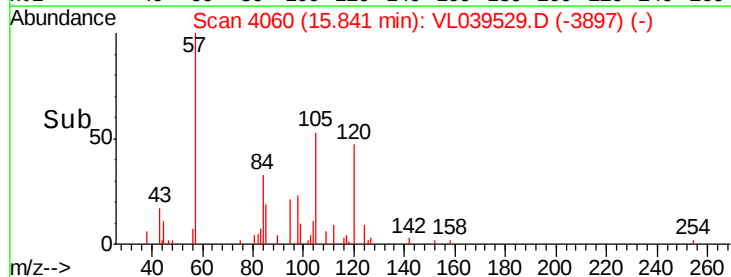
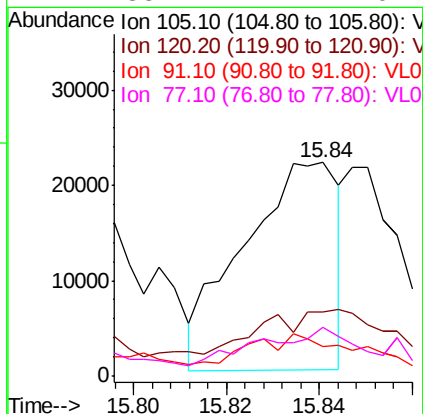
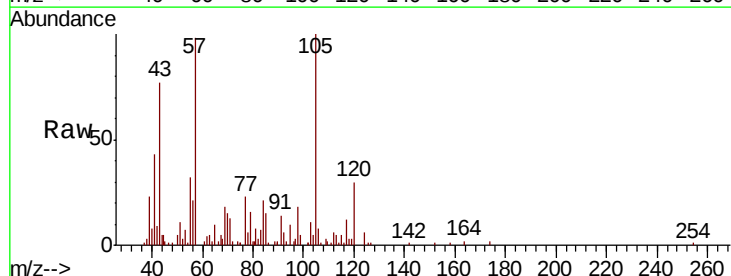
#69
 p-Isopropyltoluene
 Concen: 0.137 ppbv
 RT: 17.65 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Jul 2022 23:29

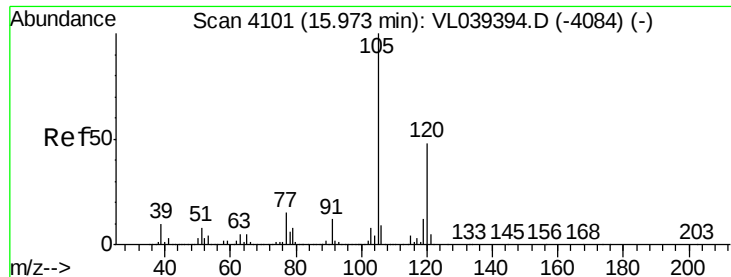
Tot Ion	Ratio	Lower	Upper
119	100		
134	46.2	20.3	30.5#
91	54.2	22.9	34.3#



#72
 4-Ethyltoluene
 Concen: 0.089 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. 0.03 min
 Lab File: VL039529.D
 Acq: 25 Jul 2022 23:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.2	36.2#
91	24.6	10.2	15.4#
77	35.1	11.1	16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.058 ppbv

RT: 16.01 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

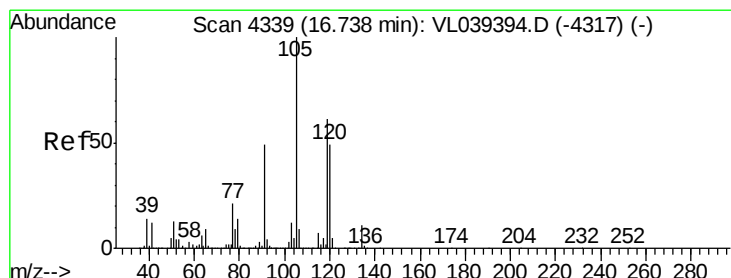
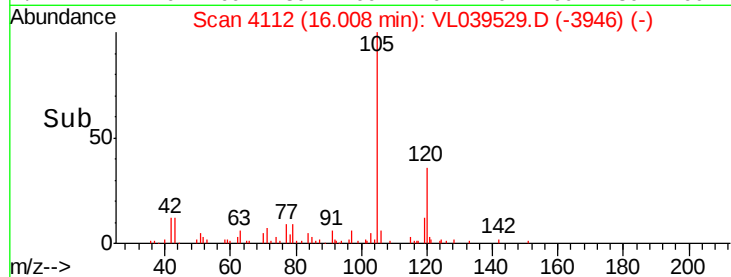
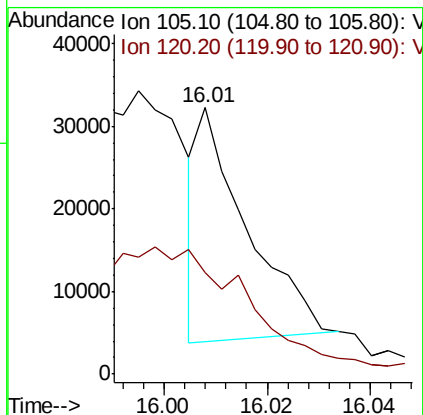
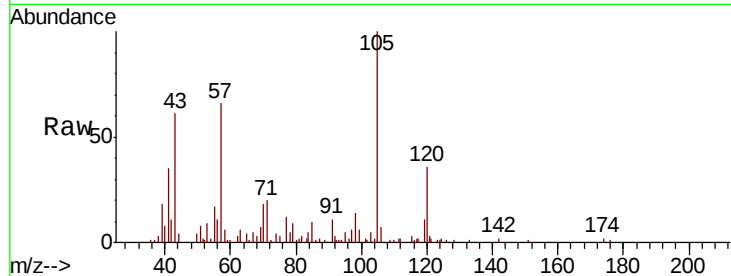
Acq: 25 Jul 2022 23:29

Tot Ion:105 Resp: 18544

Ion Ratio Lower Upper

105 100

120 39.0 38.2 57.4



#74

1,2,4-Trimethylbenzene

Concen: 0.573 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.03 min

Lab File: VL039529.D

Acq: 25 Jul 2022 23:29

Tgt Ion:105 Resp: 203988

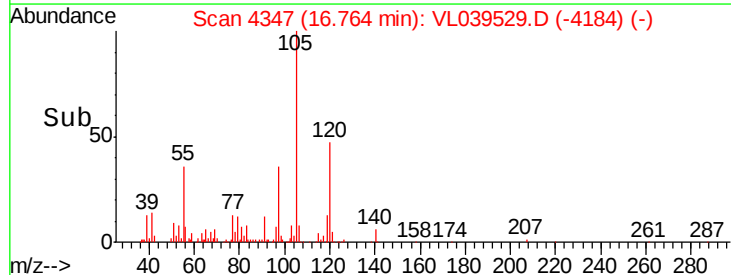
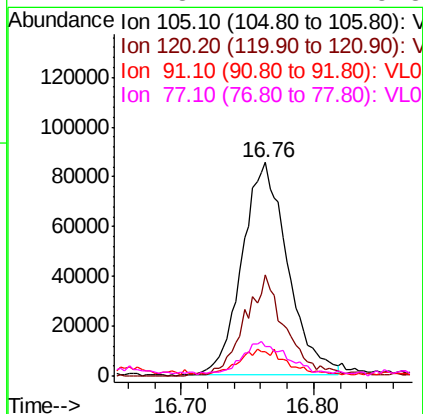
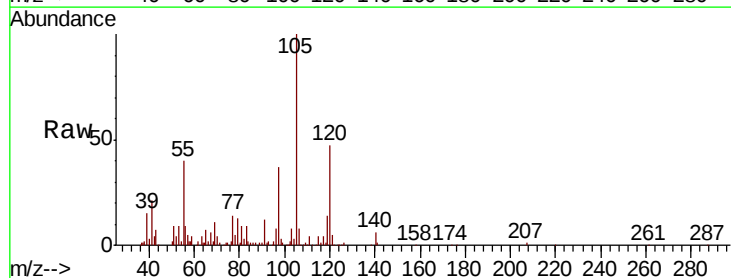
Ion Ratio Lower Upper

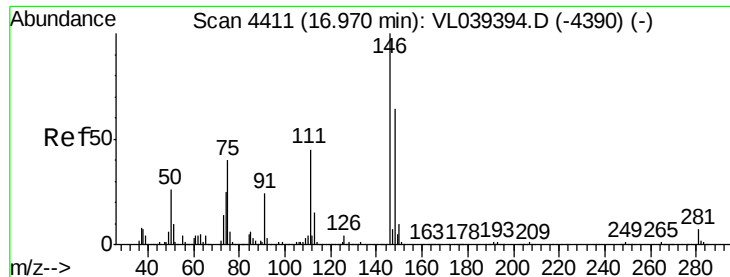
105 100

120 46.8 39.5 59.3

91 10.5 39.2 58.8#

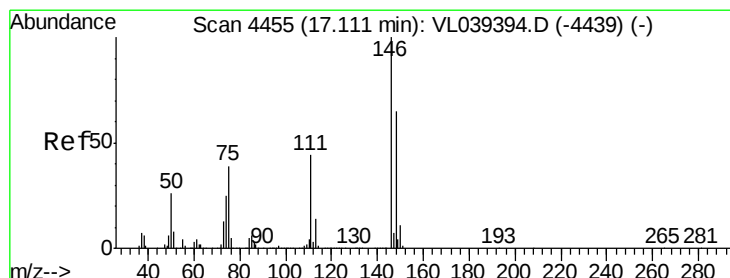
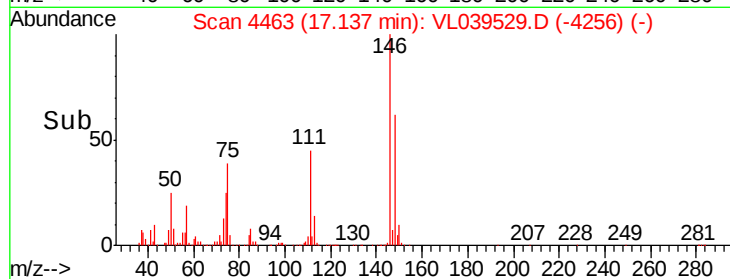
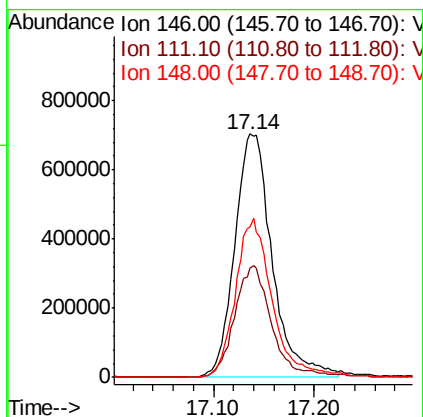
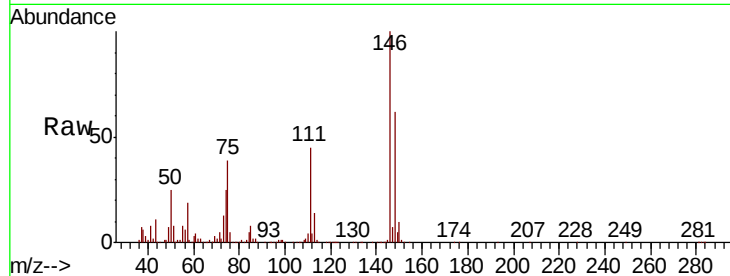
77 11.8 17.2 25.8#





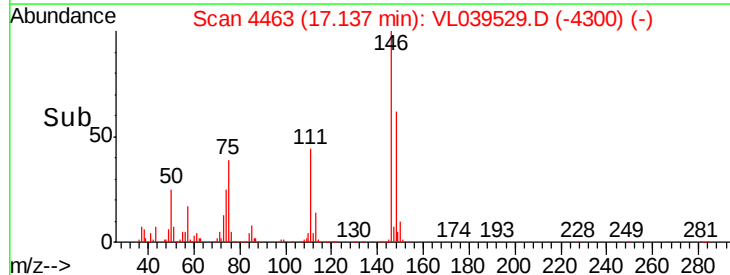
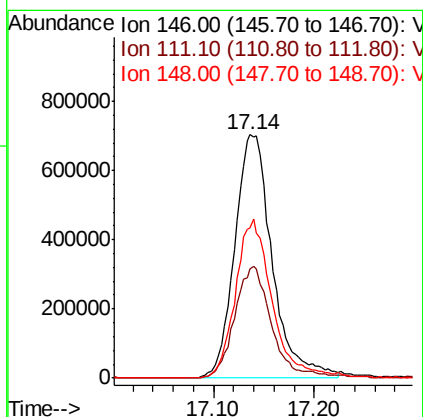
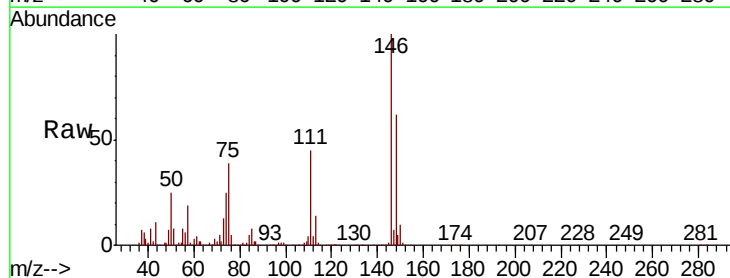
#75
 1,3-Dichlorobenzene
 Concen: 8.542 ppbv
 RT: 17.14 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Jul 2022 23:29

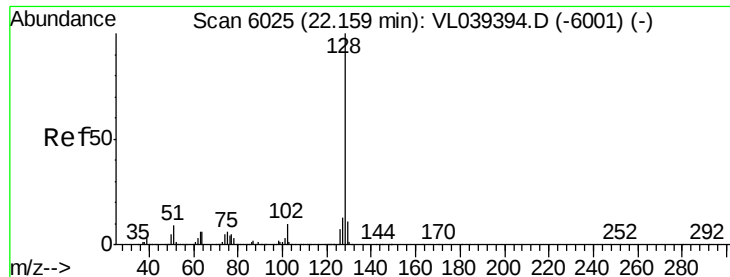
Tot Ion:146 Resp: 1814324
 Ion Ratio Lower Upper
 146 100
 111 45.6 22.9 68.7
 148 64.3 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 8.619 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. 0.03 min
 Lab File: VL039529.D
 Acq: 25 Jul 2022 23:29

Tgt Ion:146 Resp: 1814324
 Ion Ratio Lower Upper
 146 100
 111 45.6 22.9 68.8
 148 64.4 33.6 100.8





#79

Naphthalene

Concen: 0.042 ppbv

RT: 22.20

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Jul 2022 23:29

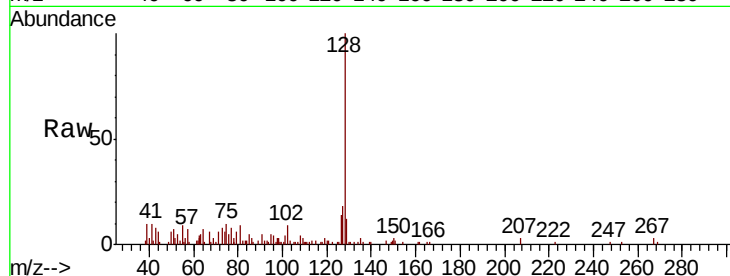
Tot Ion:128 Resp: 10369

Ion Ratio Lower Upper

128 100

127 31.5 10.6 15.8#

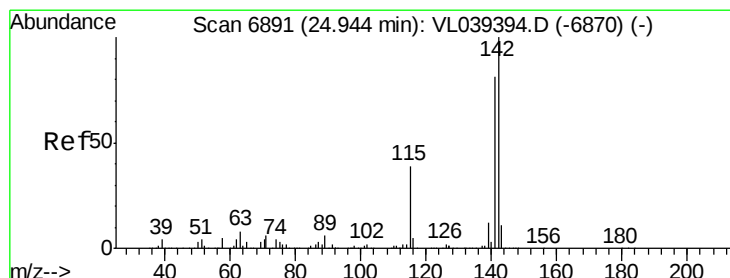
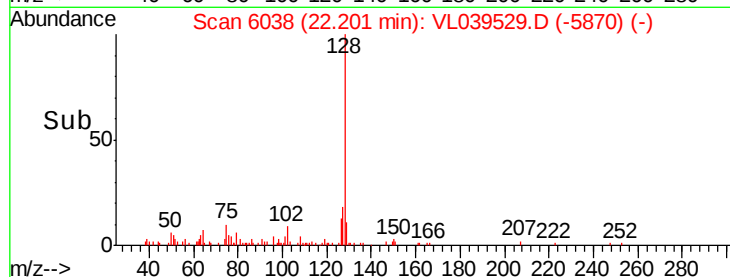
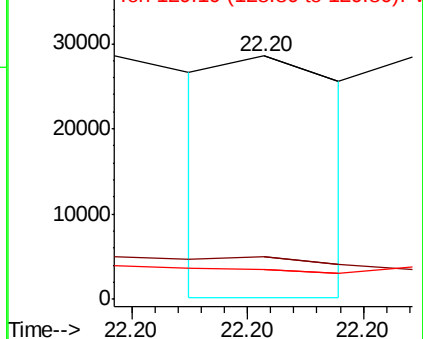
129 14.0 8.8 13.2#



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.121 ppbv

RT: 24.97 min Scan# 6899

Delta R.T. 0.03 min

Lab File: VL039529.D

Acq: 25 Jul 2022 23:29

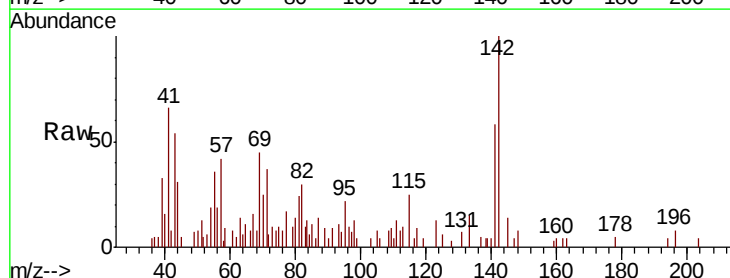
Tgt Ion:142 Resp: 10113

Ion Ratio Lower Upper

142 100

141 74.4 68.9 103.3

115 69.3 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

