

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042022.D
 Acq On : 14 Feb 2025 16:10
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 15 01:50:41 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Sat Feb 15 01:46:23 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.774	49	86068	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	251775	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	233855	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 195640 10.142 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.492	85	148358	10.013	ppbv	97
3) Chlorodifluoromethane	1.470	51	166534	10.167	ppbv	100
4) Chloromethane	1.528	50	58099	10.091	ppbv	98
5) Vinyl Chloride	1.573	62	55516	8.063	ppbv	97
6) Bromomethane	1.661	94	24639	9.232	ppbv	89
7) Chloroethane	1.696	64	23259	10.365	ppbv	97
8) Dichlorotetrafluoroethane	1.547	85	128754	9.879	ppbv	99
9) Propene	1.476	41	71094	10.068	ppbv	100
10) Heptane	4.956	43	191709	9.776	ppbv	100
11) Trichlorofluoromethane	1.871	101	143803	9.644	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.130	101	114241	9.825	ppbv	98
13) Ethanol	1.716	45	3666	4.603	ppbv	87
14) Bromoethene	1.774	108	42915	9.883	ppbv	98
15) Acetone	1.829	43	119213	8.392	ppbv	96
16) 1,3-Butadiene	1.602	39	62450	9.267	ppbv	100
17) tert-Butyl alcohol	2.033	59	162464	9.242	ppbv	97
18) 1,1-Dichloroethene	2.026	96	51094	9.195	ppbv	90
19) Isopropyl Alcohol	1.878	45	74932	9.406	ppbv	95
20) Methylene Chloride	2.052	84	41793	7.815	ppbv	93
21) Allyl Chloride	2.088	41	96194	9.353	ppbv	95
22) trans-1,2-Dichloroethene	2.331	96	57165	9.480	ppbv	98
23) Vinyl Acetate	2.450	43	72445	9.417	ppbv #	97
24) 1,1-Dichloroethane	2.399	63	116443	9.511	ppbv	99
25) Ethyl Acetate	2.823	43	385009	9.874	ppbv	100
26) Hexane	2.813	57	154335	9.863	ppbv	99
27) Carbon Disulfide	2.140	76	145491	9.886	ppbv #	93
28) Methyl tert-Butyl Ether	2.431	73	88597	9.263	ppbv	98
29) Chloroform	2.836	83	228820	10.097	ppbv	91
30) Cyclohexane	3.839	84	134972	10.633	ppbv	99
31) cis-1,2-Dichloroethene	2.709	61	154885	10.015	ppbv	97
32) 1,1,1-Trichloroethane	3.353	97	239755	9.539	ppbv	99
34) 2-Butanone	2.548	43	214434	9.900	ppbv	98
35) Carbon Tetrachloride	3.745	117	235410	9.629	ppbv	99
36) Benzene	3.642	78	314567	10.314	ppbv	99
37) 1,2-Dichloroethane	3.205	62	177247	10.209	ppbv	100
38) Trichloroethene	4.522	130	120408	9.718	ppbv	94
39) 1,2-Dichloropropane	4.292	63	112921	10.099	ppbv	95
40) 1,4-Dioxane	4.564	88	57565	9.894	ppbv #	94
41) Tetrahydrofuran	3.043	42	127051	10.263	ppbv	100
42) Bromodichloromethane	4.467	83	255671	10.870	ppbv	95
43) Methyl Methacrylate	4.859	69	131546	9.462	ppbv	98
44) 2,2,4-Trimethylpentane	4.619	57	532847	10.292	ppbv	99
45) t-1,3-Dichloropropene	6.386	75	136178	10.376	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042022.D
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 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

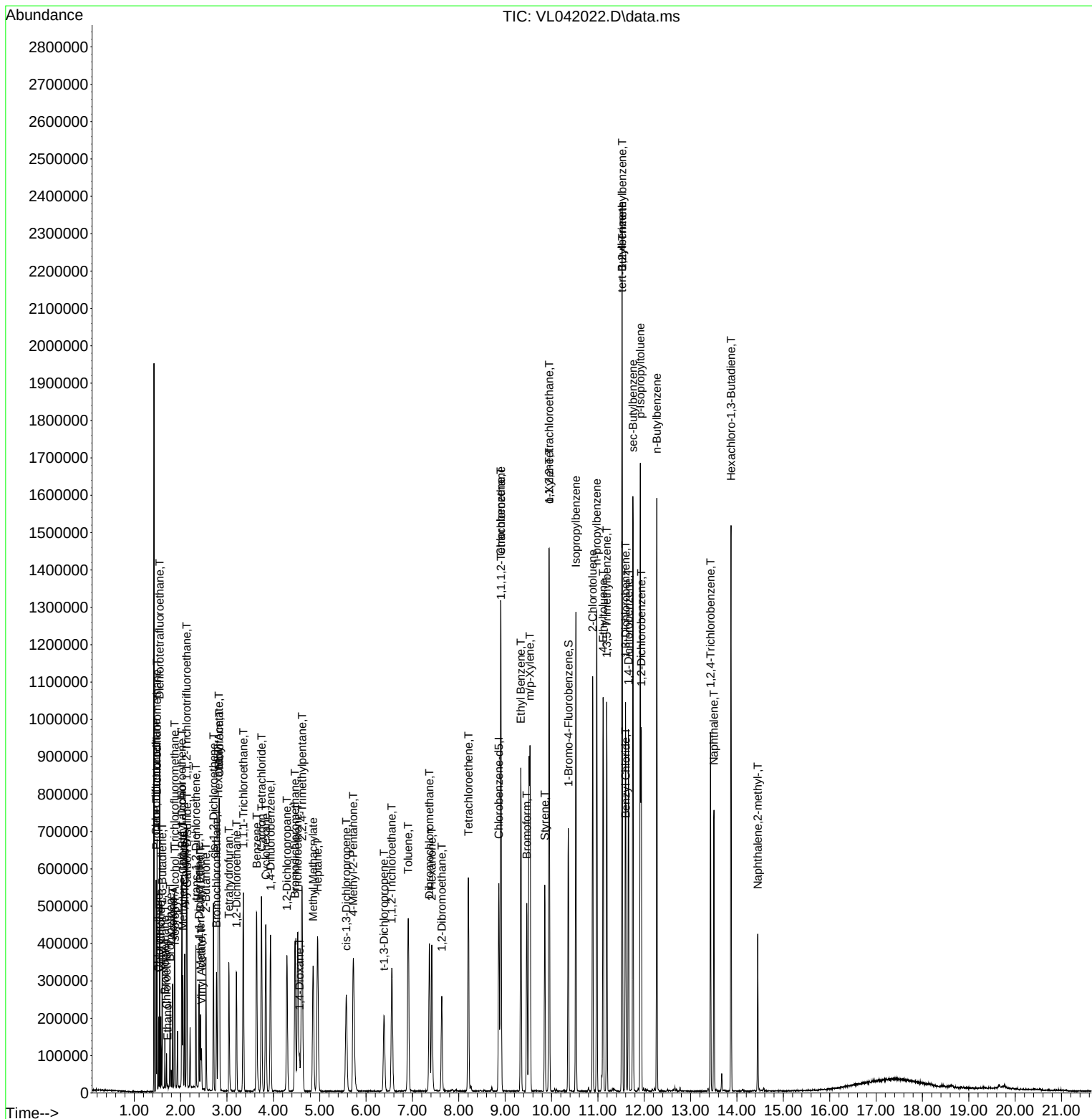
Instrument :
 MSVOA_L
 ClientSampleId :

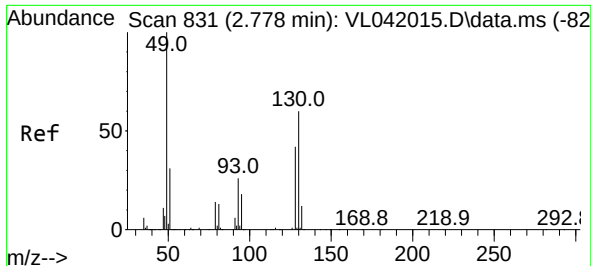
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Sat Feb 15 01:46:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.574	75	174589	10.484	ppbv	98
47) 1,1,2-Trichloroethane	6.555	97	65025	5.526	ppbv	98
48) Dibromochloromethane	7.367	129	206204	10.463	ppbv	99
49) Bromoform	9.467	173	170786	10.565	ppbv	100
50) 4-Methyl-2-Pentanone	5.723	43	149224	4.483	ppbv #	38
51) 2-Hexanone	7.419	43	269300	9.891	ppbv #	98
52) Tetrachloroethene	8.208	164	98841	9.292	ppbv	93
53) Toluene	6.907	91	368032	10.127	ppbv	99
54) 1,2-Dibromoethane	7.632	107	167744	10.353	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.911	131	157208	9.392	ppbv	98
57) Chlorobenzene	8.904	112	267645	9.729	ppbv	98
58) Ethyl Benzene	9.338	91	516685	10.095	ppbv	99
59) m/p-Xylene	9.535	91	384012	9.526	ppbv #	25
60) o-Xylene	9.950	91	401874	9.857	ppbv	98
61) Styrene	9.856	104	197284	10.147	ppbv	99
62) Isopropylbenzene	10.526	105	602558	9.844	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.950	83	246927	9.387	ppbv	98
64) n-propylbenzene	10.976	120	146775	9.759	ppbv	100
65) tert-Butylbenzene	11.520	119	514826	9.648	ppbv	99
66) Benzyl Chloride	11.604	91	52120	9.744	ppbv #	99
67) sec-Butylbenzene	11.756	105	726213	9.689	ppbv	99
69) p-Isopropyltoluene	11.914	119	584051	9.519	ppbv	99
70) n-Butylbenzene	12.270	91	589723	9.758	ppbv	99
71) 2-Chlorotoluene	10.888	91	450695	9.777	ppbv	100
72) 4-Ethyltoluene	11.112	105	473599	9.915	ppbv	99
73) 1,3,5-Trimethylbenzene	11.193	105	401786	9.751	ppbv	100
74) 1,2,4-Trimethylbenzene	11.526	105	427598	9.669	ppbv	97
75) 1,3-Dichlorobenzene	11.597	146	227808	9.570	ppbv	98
76) 1,4-Dichlorobenzene	11.659	146	226367	9.751	ppbv	99
77) 1,2-Dichlorobenzene	11.937	146	218652	9.609	ppbv	100
78) Hexachloro-1,3-Butadiene	13.873	225	159701	8.483	ppbv	100
79) Naphthalene	13.504	128	347250	7.983	ppbv	98
80) Naphthalene,2-methyl-	14.449	142	118357	6.010	ppbv	99
81) 1,2,4-Trichlorobenzene	13.429	180	153107	8.658	ppbv	99

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

Quant Time: Feb 15 01:50:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Sat Feb 15 01:46:23 2025
Response via : Initial Calibration

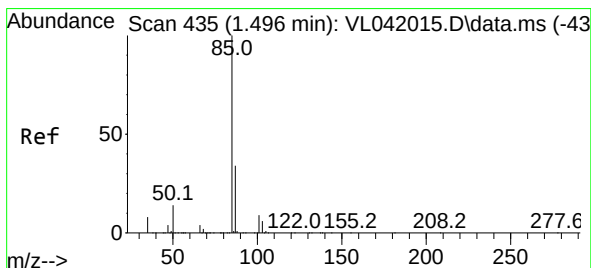
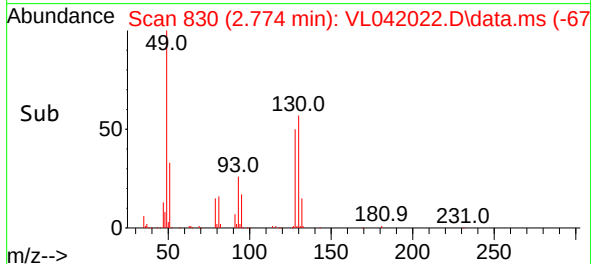
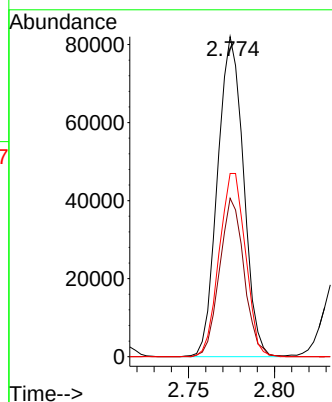
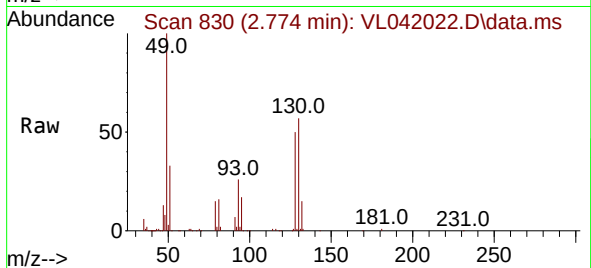




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

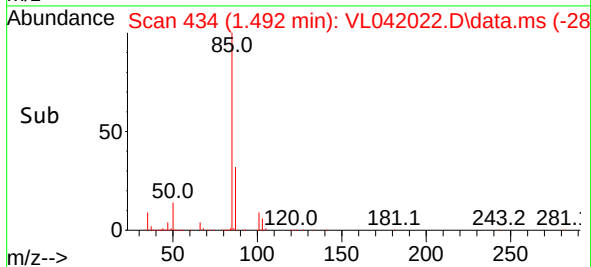
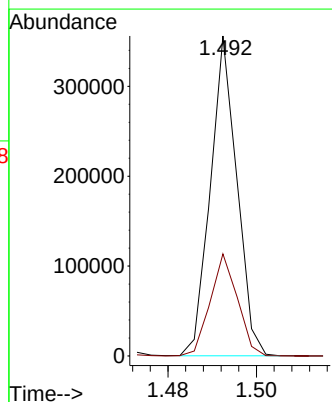
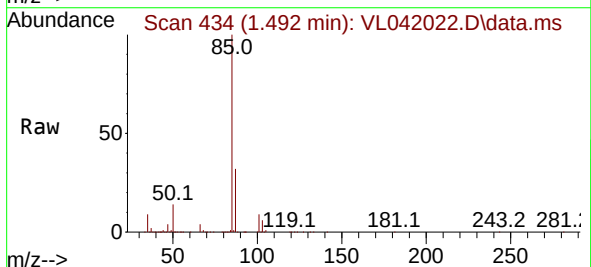
Instrument :
MSVOA_L
ClientSampleId :

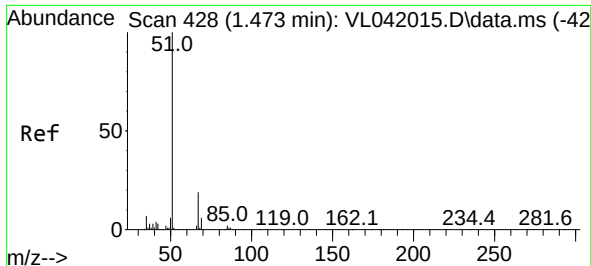
Tgt Ion: 49 Resp: 86068
Ion Ratio Lower Upper
49 100
128 46.8 22.7 68.0
130 57.9 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 10.013 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion: 85 Resp: 148358
Ion Ratio Lower Upper
85 100
87 31.9 26.9 40.3

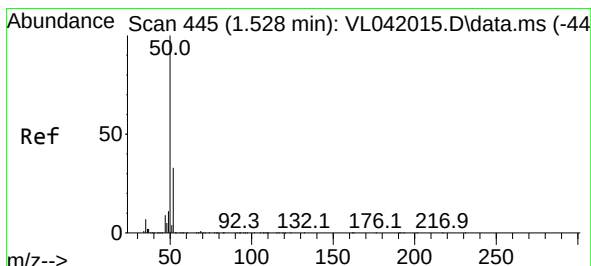
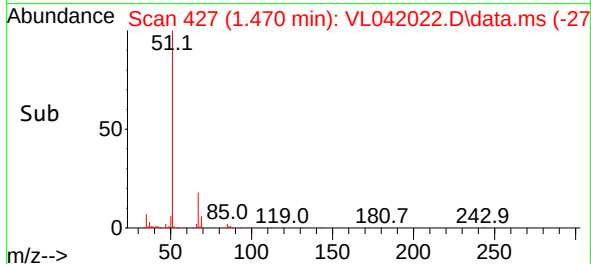
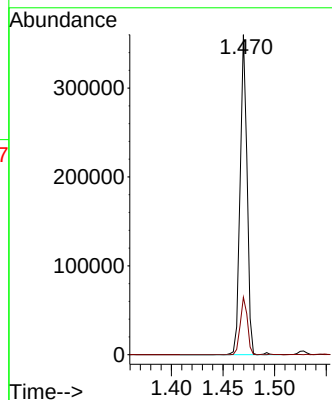
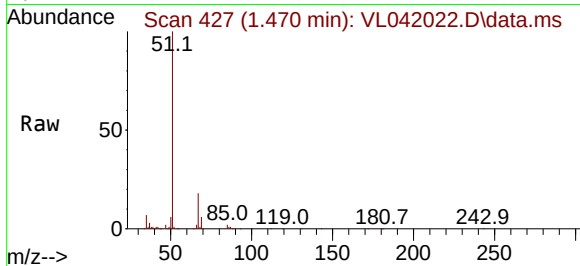




#3
 Chlorodifluoromethane
 Concen: 10.167 ppbv
 RT: 1.470 min Scan# 41
 Delta R.T. -0.004 min
 Lab File: VL042022.D
 Acq: 14 Feb 2025 16:10

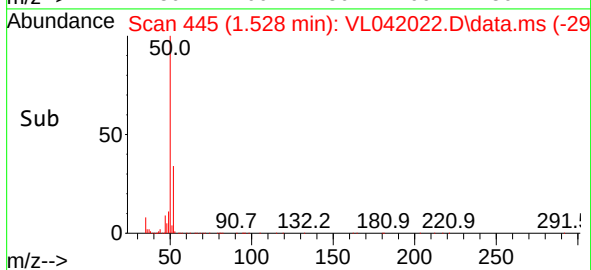
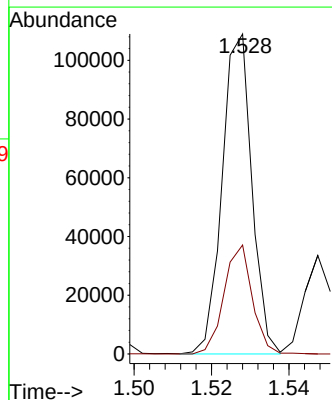
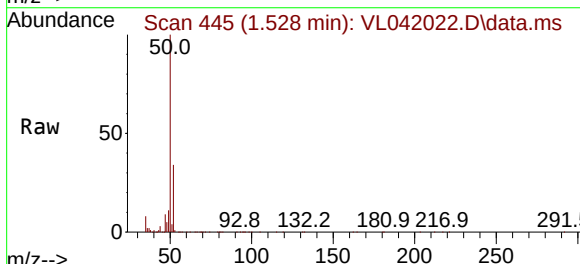
Instrument :
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 ClientSampleId :

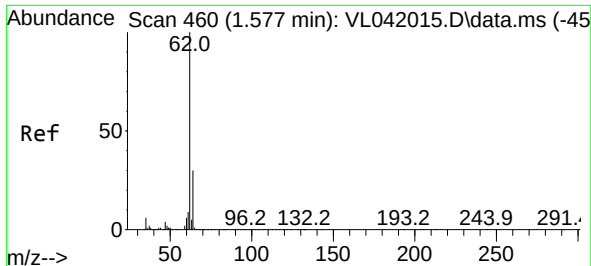
Tgt Ion: 51 Resp: 166534
 Ion Ratio Lower Upper
 51 100
 67 18.8 15.0 22.6



#4
 Chloromethane
 Concen: 10.091 ppbv
 RT: 1.528 min Scan# 445
 Delta R.T. -0.000 min
 Lab File: VL042022.D
 Acq: 14 Feb 2025 16:10

Tgt Ion: 50 Resp: 58099
 Ion Ratio Lower Upper
 50 100
 52 34.1 26.2 39.2

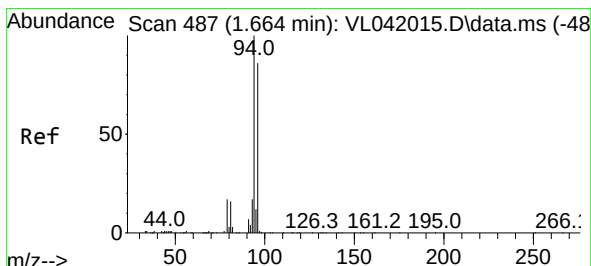
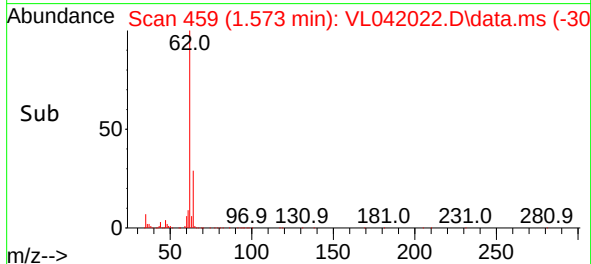
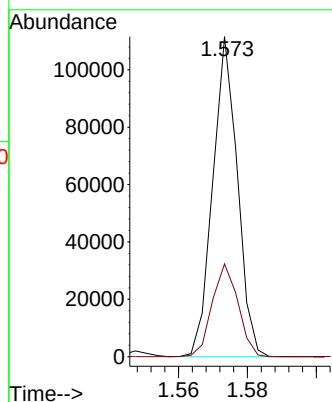
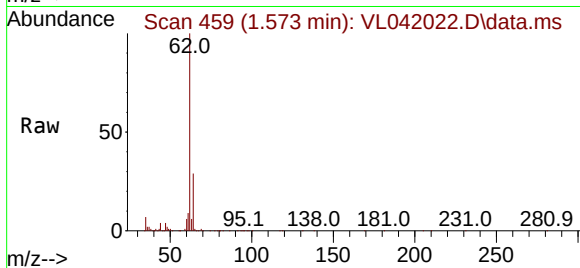




#5
 Vinyl Chloride
 Concen: 8.063 ppbv
 RT: 1.573 min Scan# 41
 Delta R.T. -0.004 min
 Lab File: VL042022.D
 Acq: 14 Feb 2025 16:10

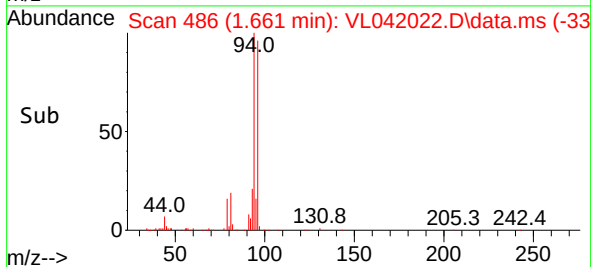
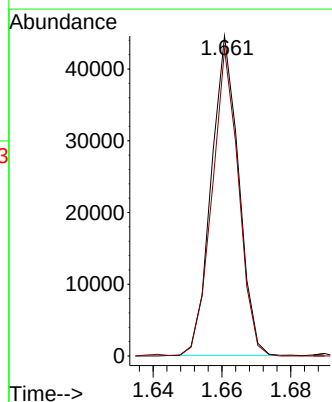
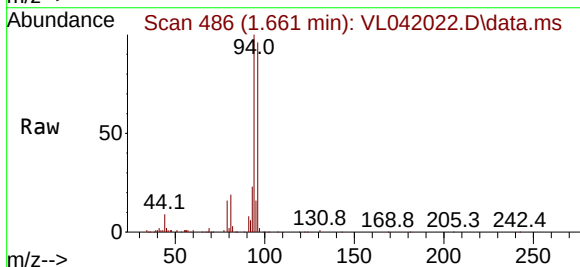
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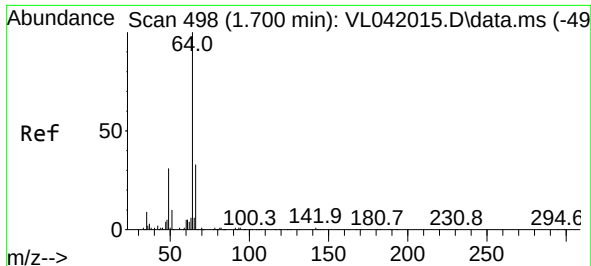
Tgt Ion: 62 Resp: 55516
 Ion Ratio Lower Upper
 62 100
 64 28.9 24.4 36.6



#6
 Bromomethane
 Concen: 9.232 ppbv
 RT: 1.661 min Scan# 486
 Delta R.T. -0.004 min
 Lab File: VL042022.D
 Acq: 14 Feb 2025 16:10

Tgt Ion: 94 Resp: 24639
 Ion Ratio Lower Upper
 94 100
 96 96.0 69.0 103.6

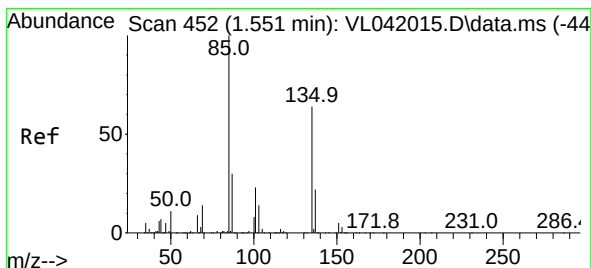
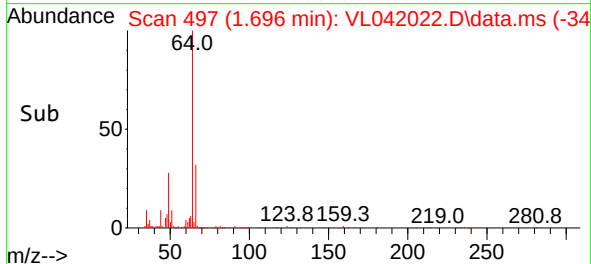
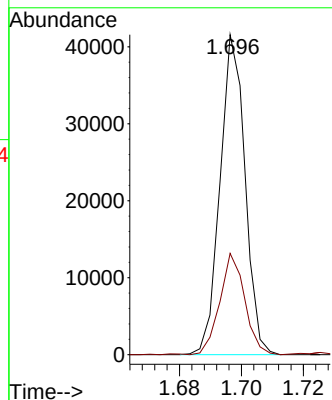
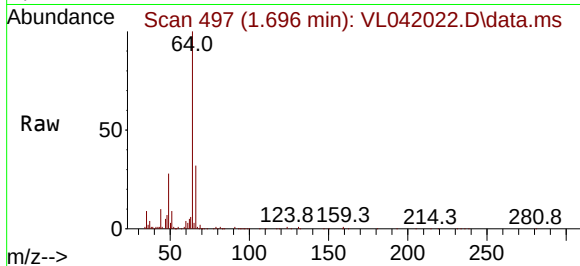




#7
Chloroethane
Concen: 10.365 ppbv
RT: 1.696 min Scan# 498
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

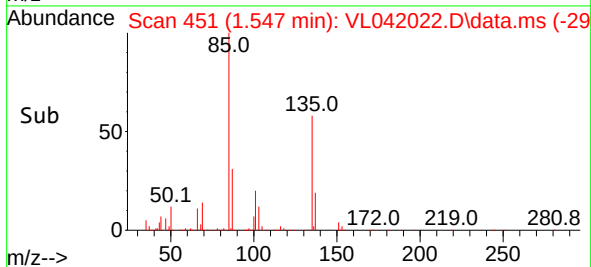
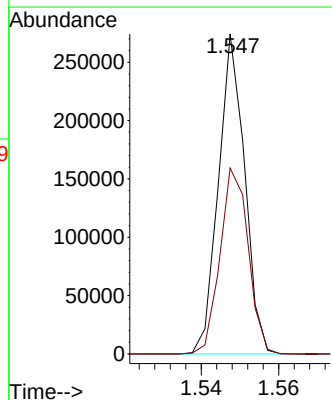
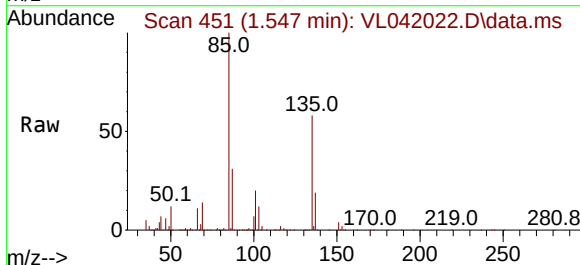
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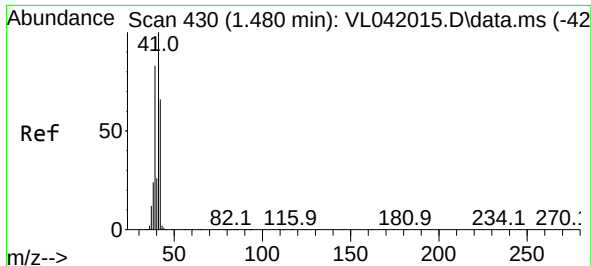
Tgt Ion: 64 Resp: 23259
Ion Ratio Lower Upper
64 100
66 31.6 26.5 39.7



#8
Dichlorotetrafluoroethane
Concen: 9.879 ppbv
RT: 1.547 min Scan# 451
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion: 85 Resp: 128754
Ion Ratio Lower Upper
85 100
135 62.5 50.9 76.3





#9

Propene

Concen: 10.068 ppbv

RT: 1.476 min Scan# 41

Delta R.T. -0.004 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Instrument :

MSVOA_L

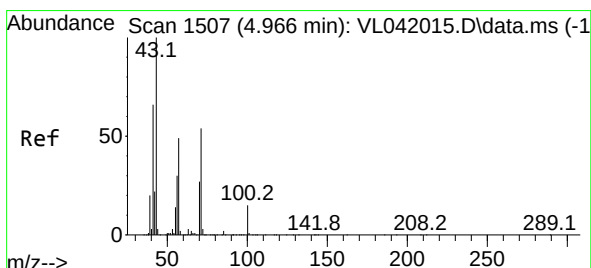
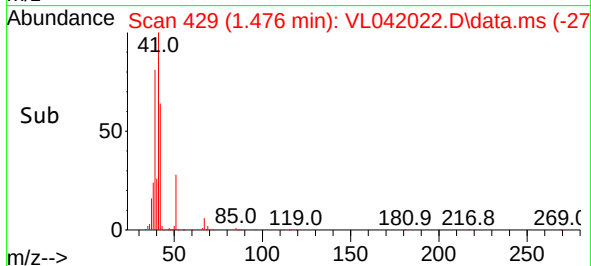
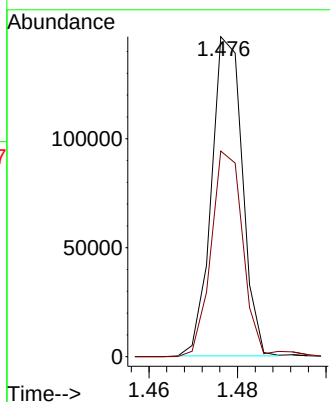
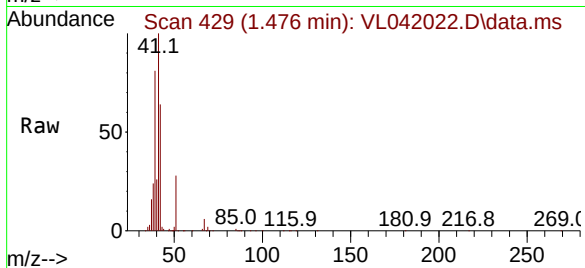
ClientSampleId :

Tgt Ion: 41 Resp: 71094

Ion Ratio Lower Upper

41 100

42 67.2 53.5 80.3



#10

Heptane

Concen: 9.776 ppbv

RT: 4.956 min Scan# 1504

Delta R.T. -0.010 min

Lab File: VL042022.D

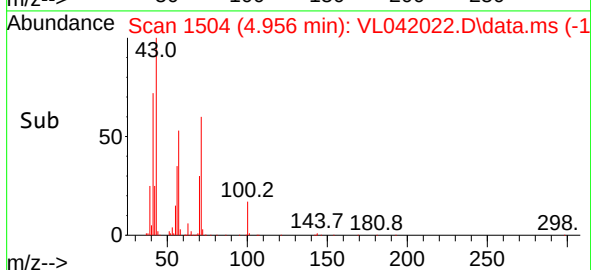
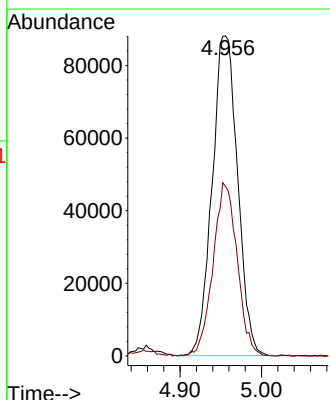
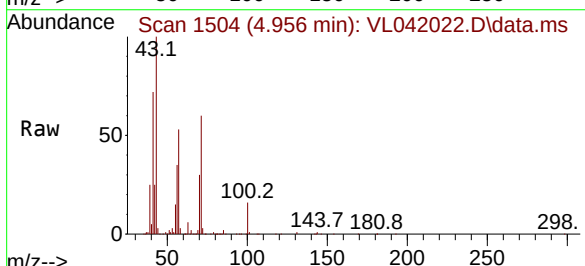
Acq: 14 Feb 2025 16:10

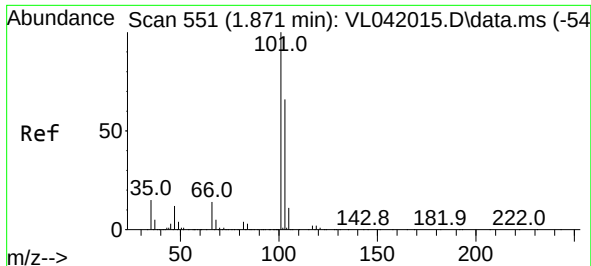
Tgt Ion: 43 Resp: 191709

Ion Ratio Lower Upper

43 100

57 51.3 41.0 61.6

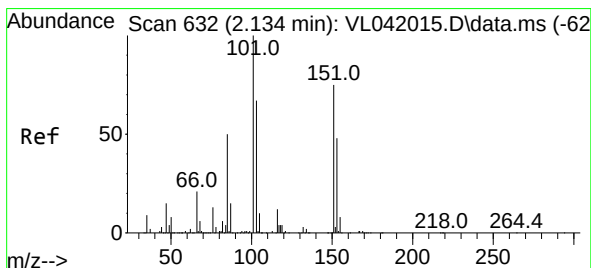
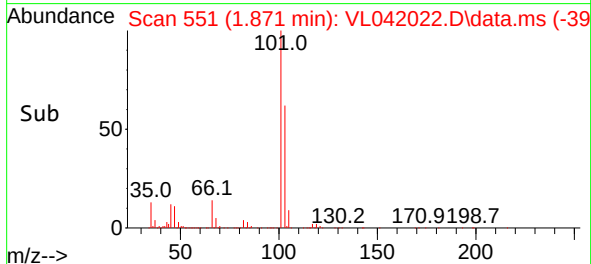
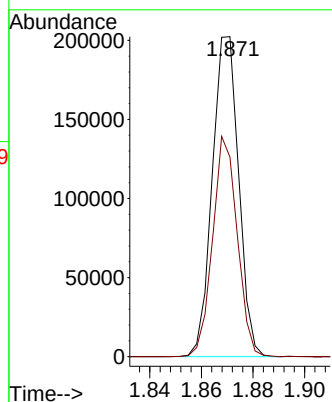
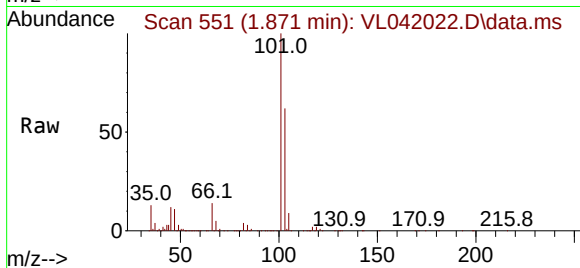




#11
 Trichlorofluoromethane
 Concen: 9.644 ppbv
 RT: 1.871 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042022.D
 Acq: 14 Feb 2025 16:10

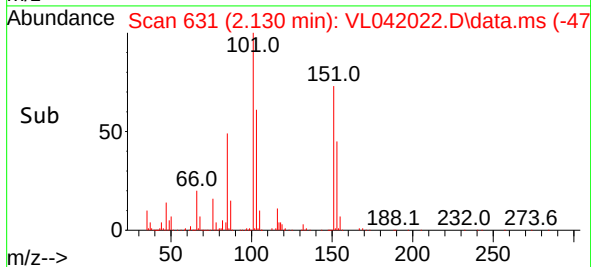
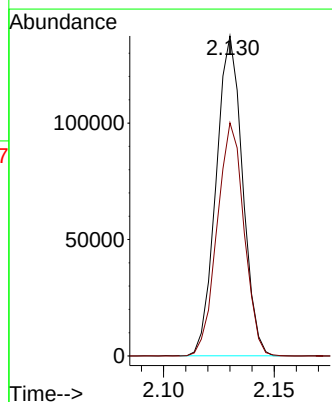
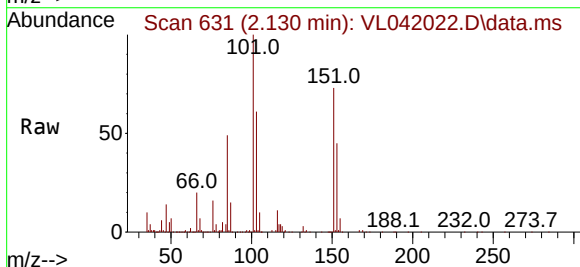
Instrument :
 MSVOA_L
 ClientSampleId :

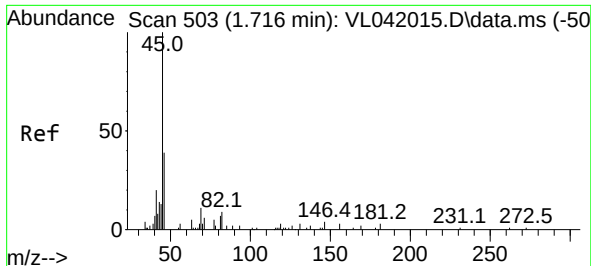
Tgt Ion:101 Resp: 143803
 Ion Ratio Lower Upper
 101 100
 103 62.3 52.9 79.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.825 ppbv
 RT: 2.130 min Scan# 631
 Delta R.T. -0.004 min
 Lab File: VL042022.D
 Acq: 14 Feb 2025 16:10

Tgt Ion:101 Resp: 114241
 Ion Ratio Lower Upper
 101 100
 151 74.3 58.2 87.2

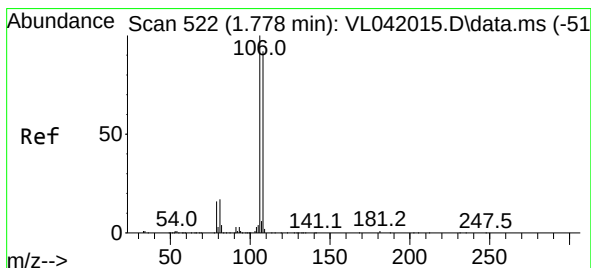
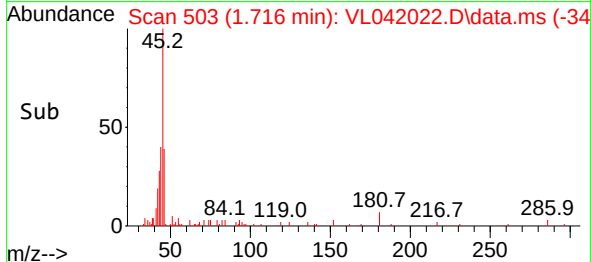
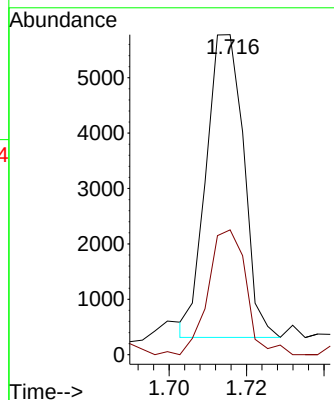
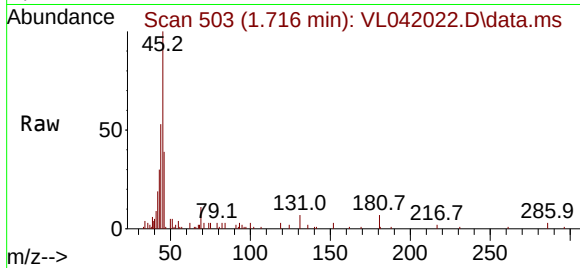




#13
Ethanol
Concen: 4.603 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

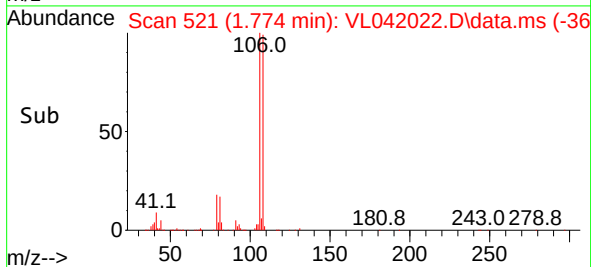
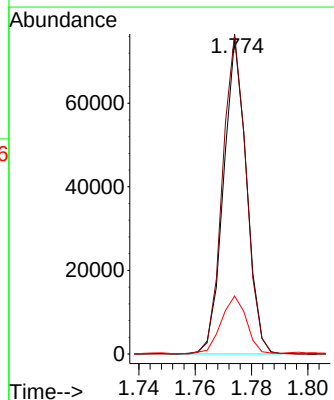
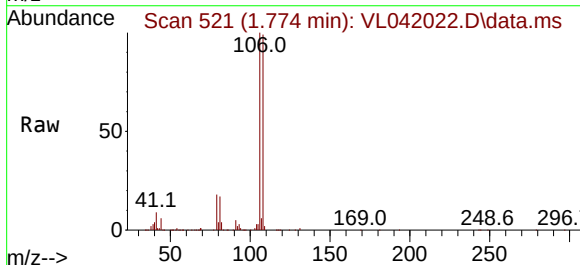
Instrument :
MSVOA_L
ClientSampleId :

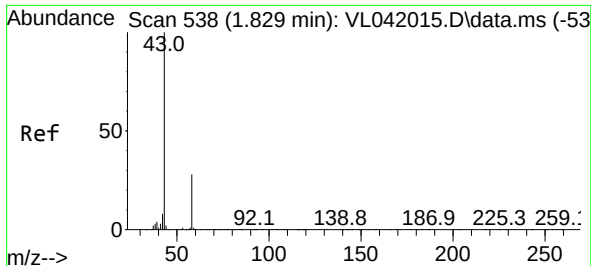
Tgt Ion: 45 Resp: 3666
Ion Ratio Lower Upper
45 100
46 43.9 21.3 85.1



#14
Bromoethene
Concen: 9.883 ppbv
RT: 1.774 min Scan# 521
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion: 108 Resp: 42915
Ion Ratio Lower Upper
108 100
106 103.7 85.0 127.6
79 20.5 17.3 25.9

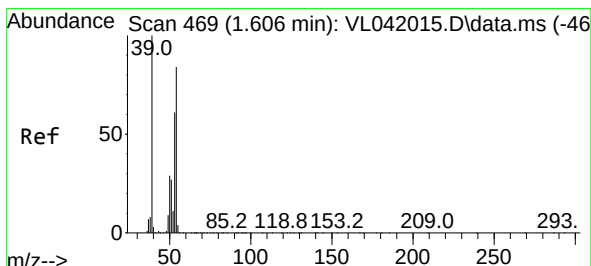
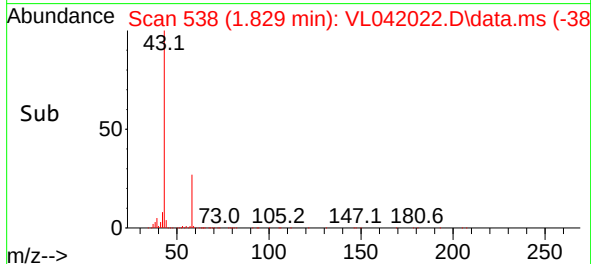
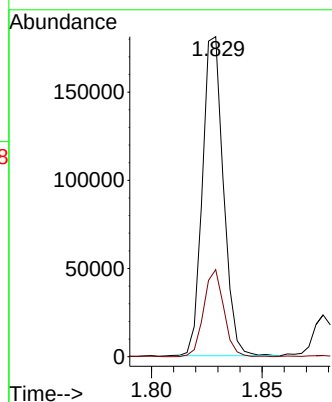
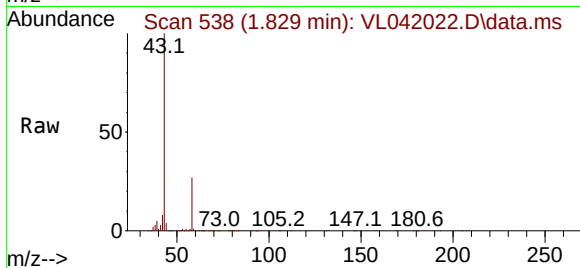




#15
Acetone
Concen: 8.392 ppbv
RT: 1.829 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

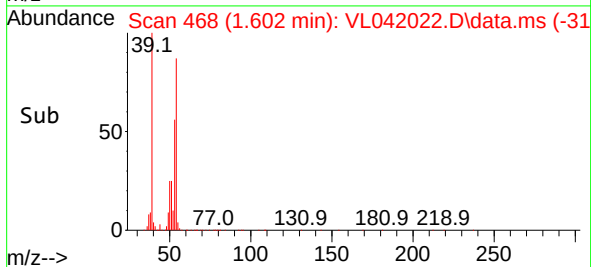
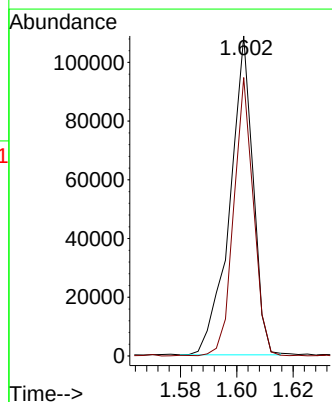
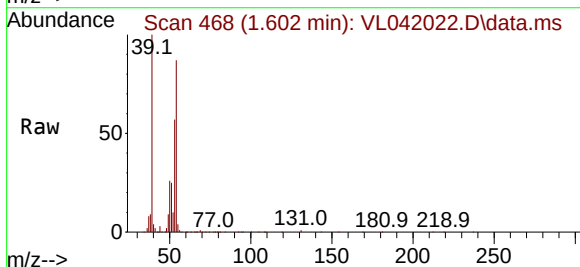
Instrument :
MSVOA_L
ClientSampleId :

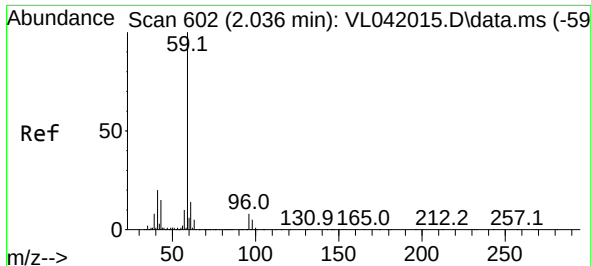
Tgt Ion: 43 Resp: 119213
Ion Ratio Lower Upper
43 100
58 26.5 22.9 34.3



#16
1,3-Butadiene
Concen: 9.267 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion: 39 Resp: 62450
Ion Ratio Lower Upper
39 100
54 74.6 59.4 89.2





#17

tert-Butyl alcohol

Concen: 9.242 ppbv

RT: 2.033 min Scan# 602

Delta R.T. -0.004 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Instrument :

MSVOA_L

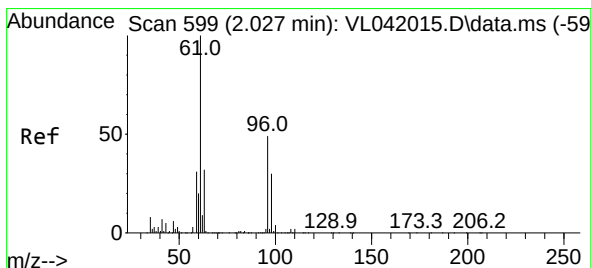
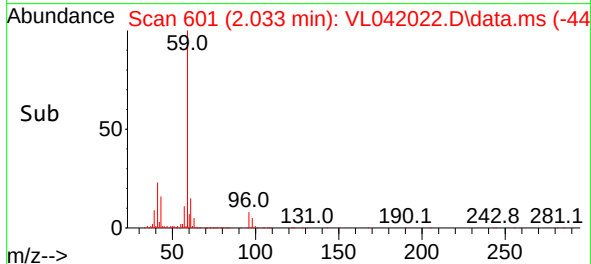
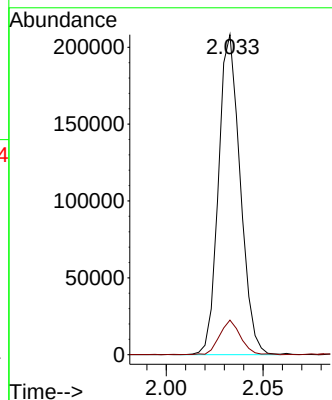
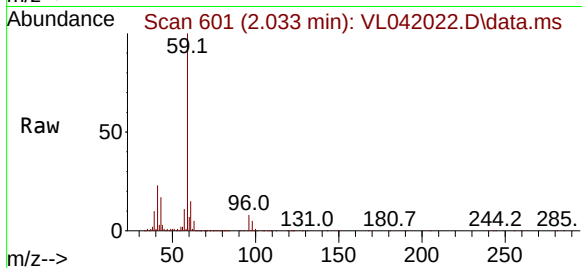
ClientSampleId :

Tgt Ion: 59 Resp: 162464

Ion Ratio Lower Upper

59 100

57 10.5 9.2 13.8



#18

1,1-Dichloroethene

Concen: 9.195 ppbv

RT: 2.026 min Scan# 599

Delta R.T. -0.000 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

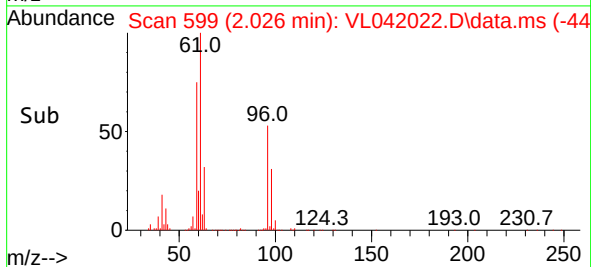
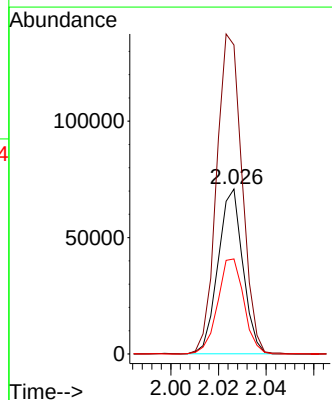
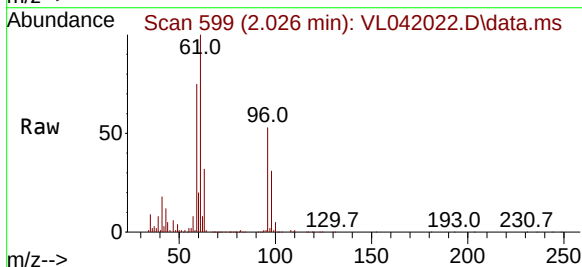
Tgt Ion: 96 Resp: 51094

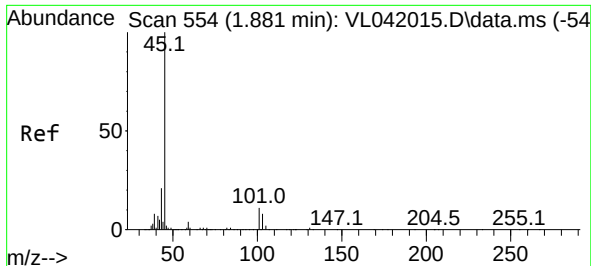
Ion Ratio Lower Upper

96 100

61 187.4 163.5 245.3

98 57.6 49.4 74.0

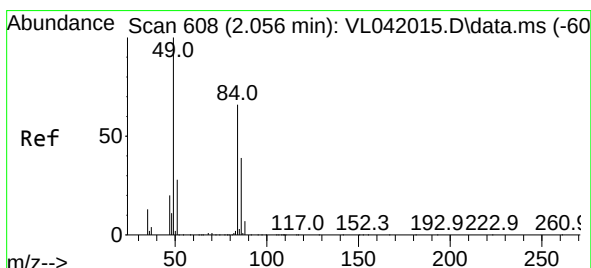
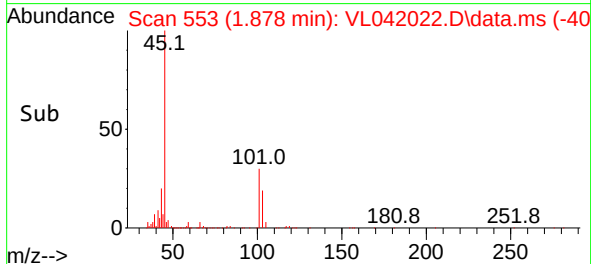
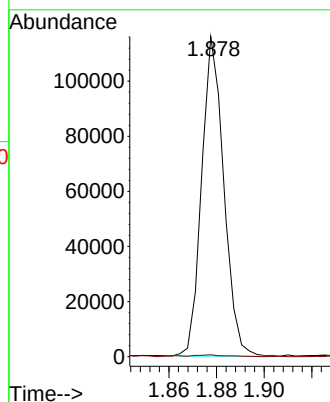
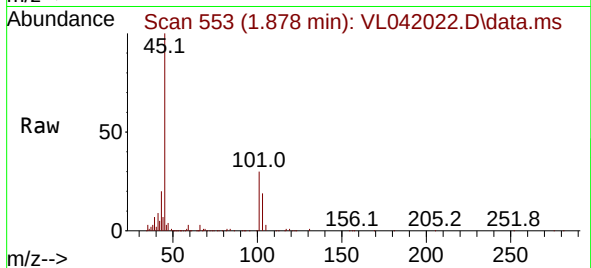




#19
Isopropyl Alcohol
Concen: 9.406 ppbv
RT: 1.878 min Scan# 51
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

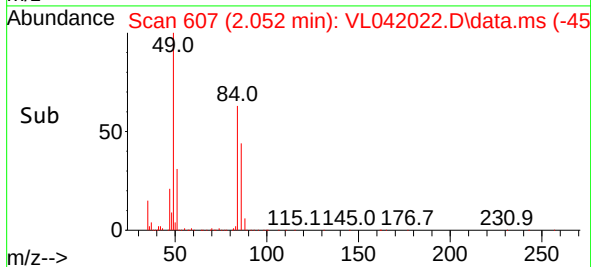
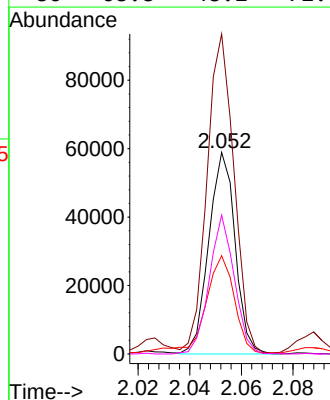
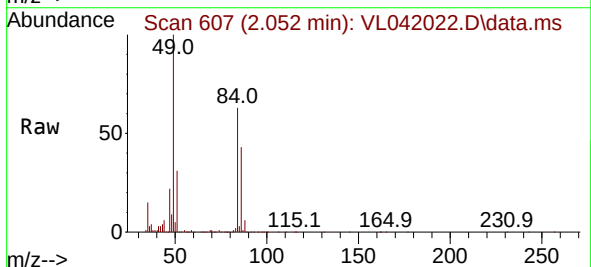
Instrument :
MSVOA_L
ClientSampleId :

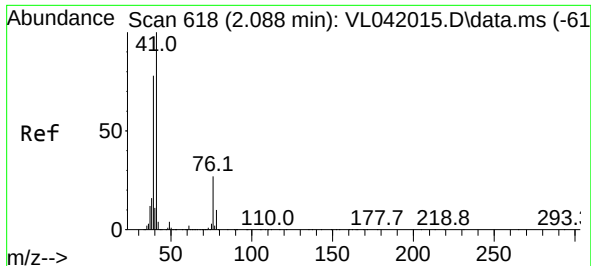
Tgt Ion: 45 Resp: 74932
Ion Ratio Lower Upper
45 100
58 42.1 36.2 54.4



#20
Methylene Chloride
Concen: 7.815 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion: 84 Resp: 41793
Ion Ratio Lower Upper
84 100
49 157.8 121.0 181.4
51 48.3 35.1 52.7
86 68.8 48.2 72.4

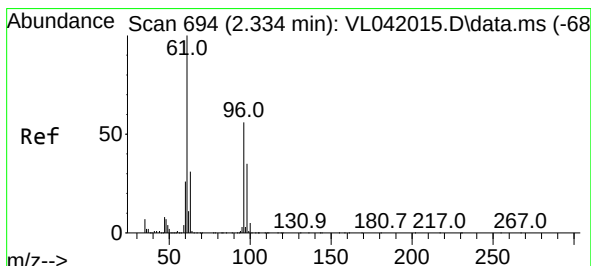
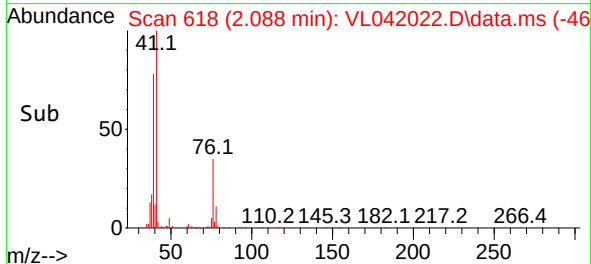
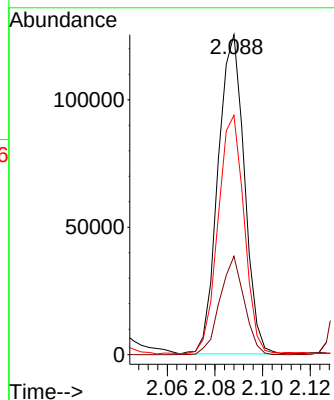
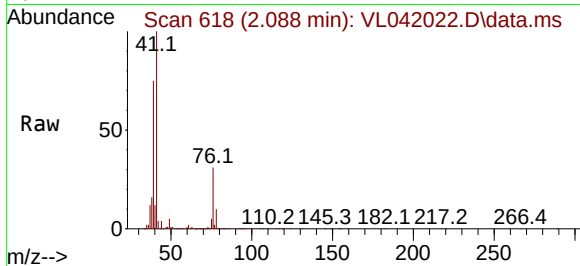




#21
 Allyl Chloride
 Concen: 9.353 ppbv
 RT: 2.088 min Scan# 618
 Delta R.T. -0.000 min
 Lab File: VL042022.D
 Acq: 14 Feb 2025 16:10

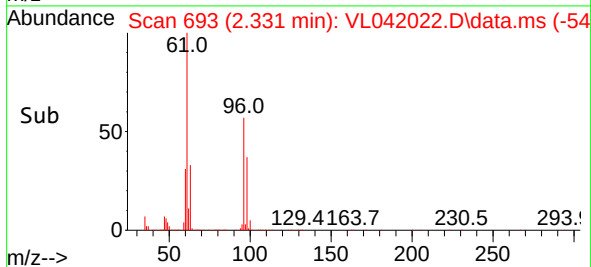
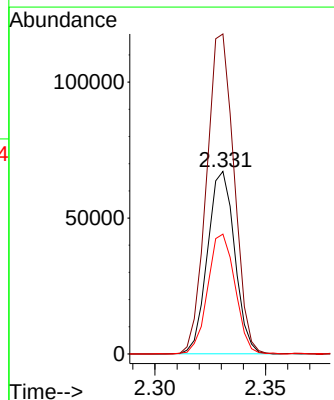
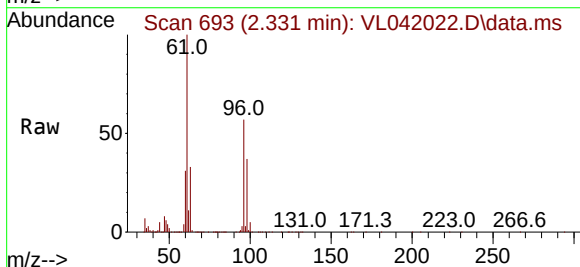
Instrument :
 MSVOA_L
 ClientSampleId :

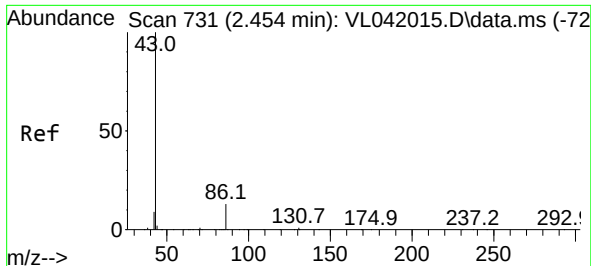
Tgt Ion: 41 Resp: 96194
 Ion Ratio Lower Upper
 41 100
 76 28.5 23.7 35.5
 39 73.3 63.0 94.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.480 ppbv
 RT: 2.331 min Scan# 693
 Delta R.T. -0.004 min
 Lab File: VL042022.D
 Acq: 14 Feb 2025 16:10

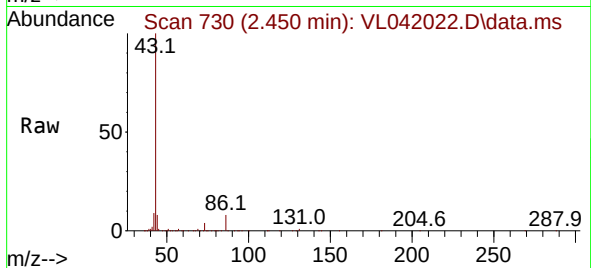
Tgt Ion: 96 Resp: 57165
 Ion Ratio Lower Upper
 96 100
 61 175.4 142.3 213.5
 98 65.6 50.2 75.2



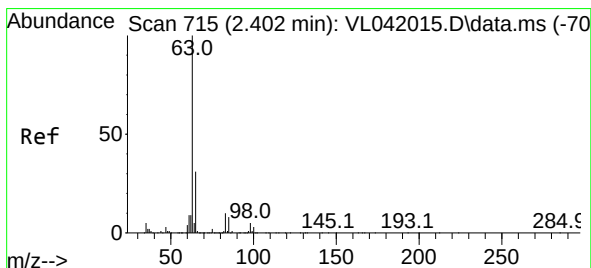
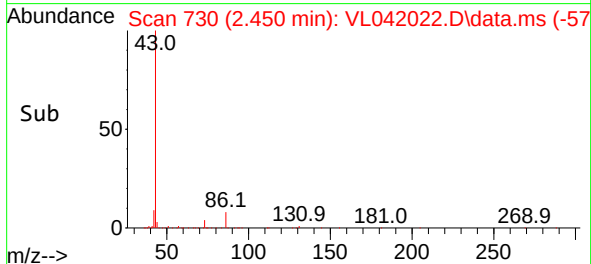
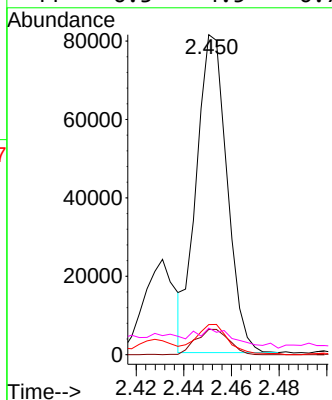


#23
 Vinyl Acetate
 Concen: 9.417 ppbv
 RT: 2.450 min Scan# 714
 Delta R.T. -0.004 min
 Lab File: VL042022.D
 Acq: 14 Feb 2025 16:10

Instrument :
 MSVOA_1
 ClientSampleId :

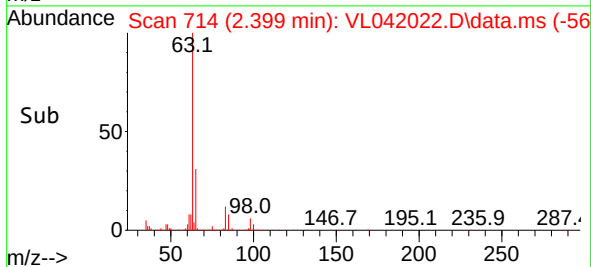
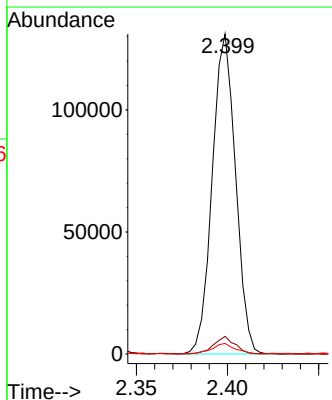
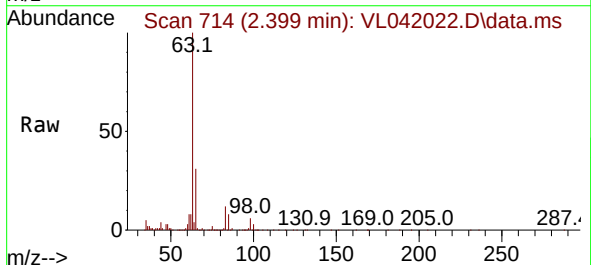


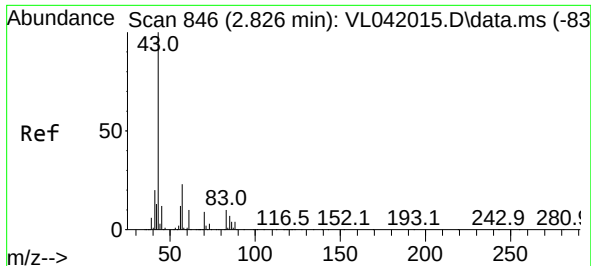
Tgt Ion	43	86	42	44
Ratio	100	7.9	9.1	6.3
Lower		8.1	7.5	4.5
Upper		12.1	11.3	6.7



#24
 1,1-Dichloroethane
 Concen: 9.511 ppbv
 RT: 2.399 min Scan# 714
 Delta R.T. -0.004 min
 Lab File: VL042022.D
 Acq: 14 Feb 2025 16:10

Tgt Ion	63	98	100
Ratio	100	5.5	3.3
Lower		2.4	1.6
Upper		7.2	4.8





#25

Ethyl Acetate

Concen: 9.874 ppbv

RT: 2.823 min Scan# 84

Delta R.T. -0.004 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 385009

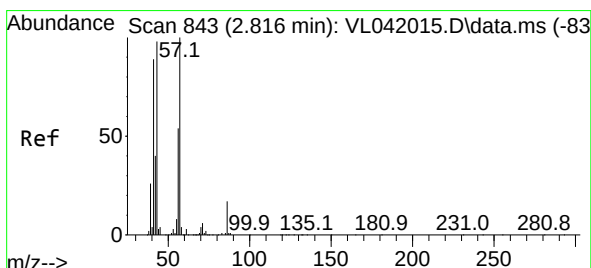
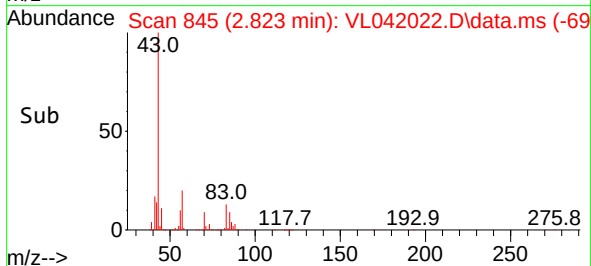
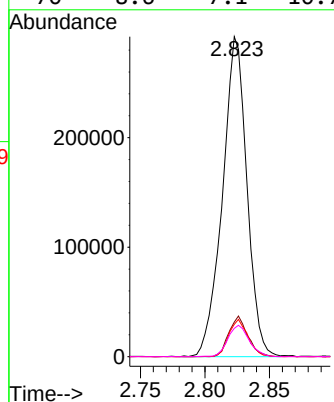
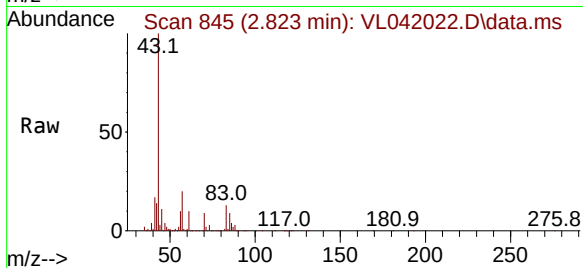
Ion Ratio Lower Upper

43 100

45 10.0 8.1 12.1

61 9.2 7.5 11.3

70 8.6 7.1 10.7



#26

Hexane

Concen: 9.863 ppbv

RT: 2.813 min Scan# 842

Delta R.T. -0.004 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Tgt Ion: 57 Resp: 154335

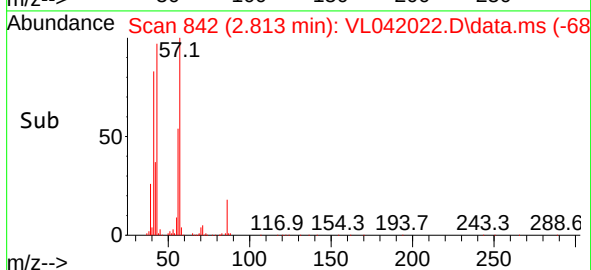
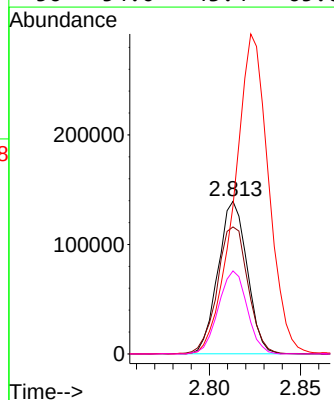
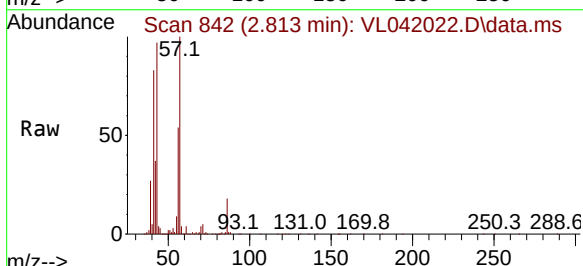
Ion Ratio Lower Upper

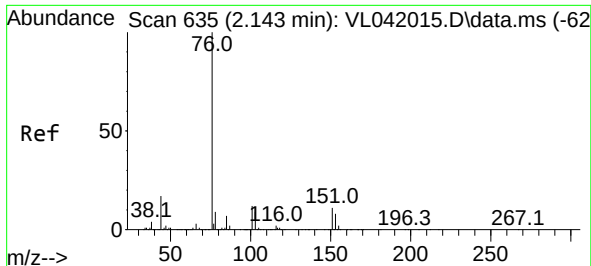
57 100

41 88.8 73.2 109.8

43 250.6 200.8 301.2

56 54.0 43.4 65.0

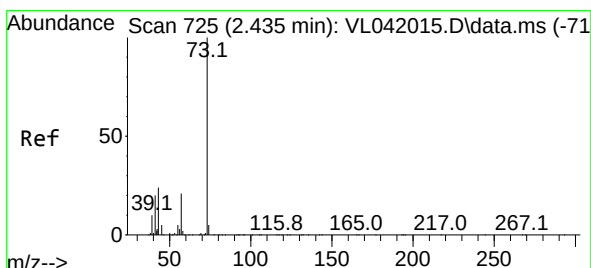
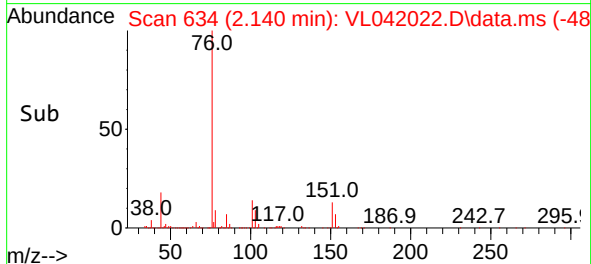
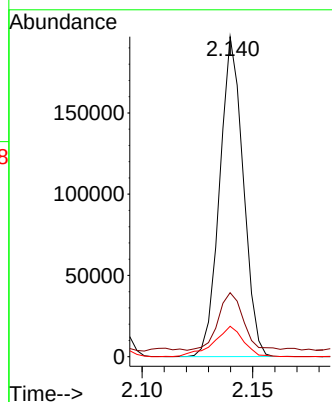
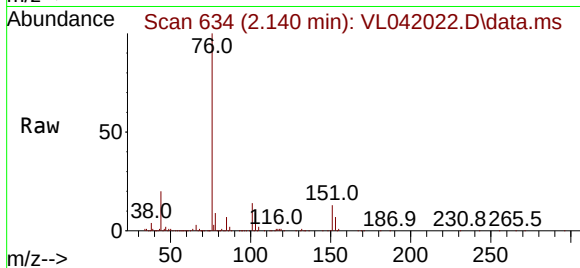




#27
Carbon Disulfide
Concen: 9.886 ppbv
RT: 2.140 min Scan# 61
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

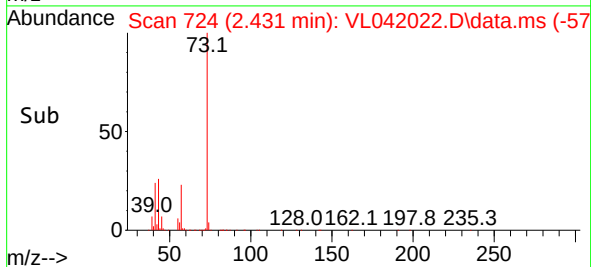
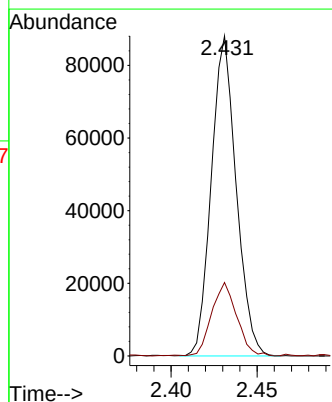
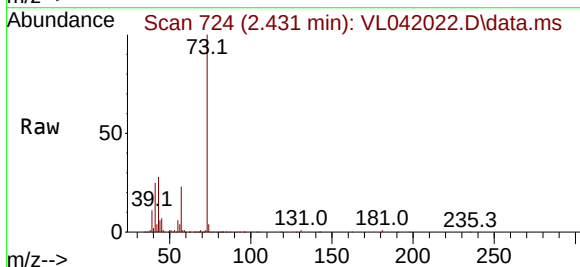
Instrument :
MSVOA_L
ClientSampleId :

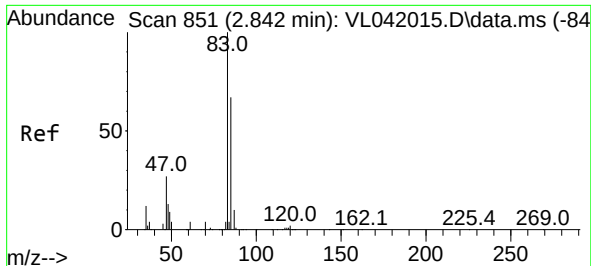
Tgt Ion: 76 Resp: 145491
Ion Ratio Lower Upper
76 100
44 27.4 18.1 27.1#
78 12.0 9.5 14.3



#28
Methyl tert-Butyl Ether
Concen: 9.263 ppbv
RT: 2.431 min Scan# 724
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion: 73 Resp: 88597
Ion Ratio Lower Upper
73 100
57 24.0 18.3 27.5

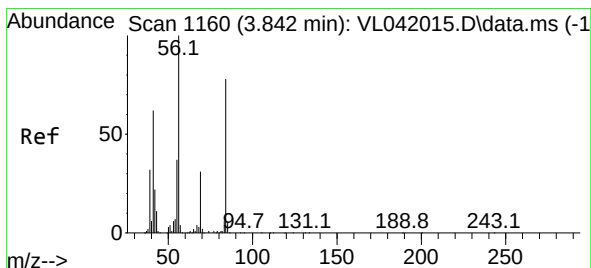
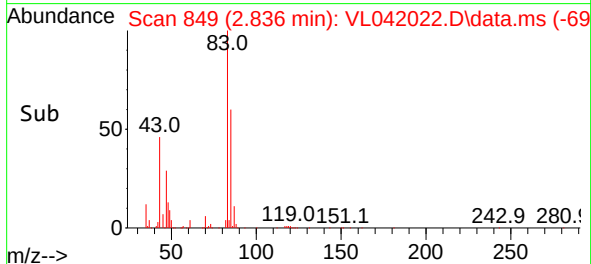
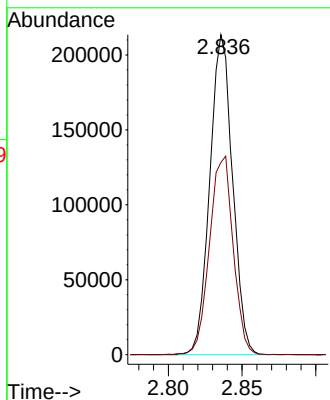
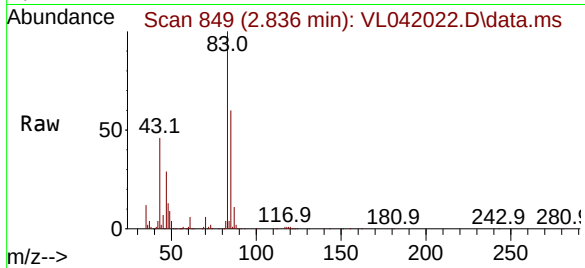




#29
Chloroform
Concen: 10.097 ppbv
RT: 2.836 min Scan# 84
Delta R.T. -0.007 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

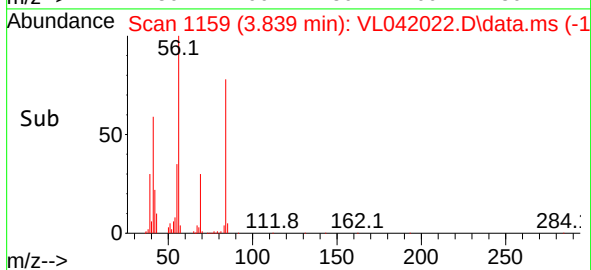
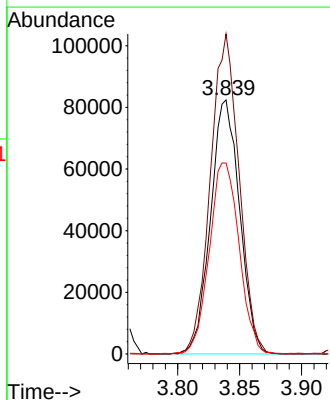
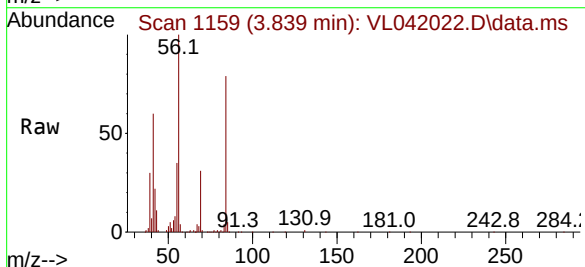
Instrument :
MSVOA_L
ClientSampleId :

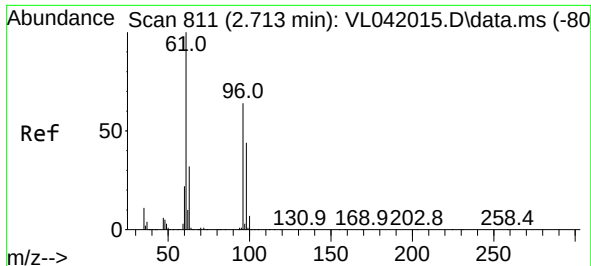
Tgt Ion: 83 Resp: 228820
Ion Ratio Lower Upper
83 100
85 60.0 53.8 80.6



#30
Cyclohexane
Concen: 10.633 ppbv
RT: 3.839 min Scan# 1159
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion: 84 Resp: 134972
Ion Ratio Lower Upper
84 100
56 123.8 99.5 149.3
41 77.2 62.2 93.2

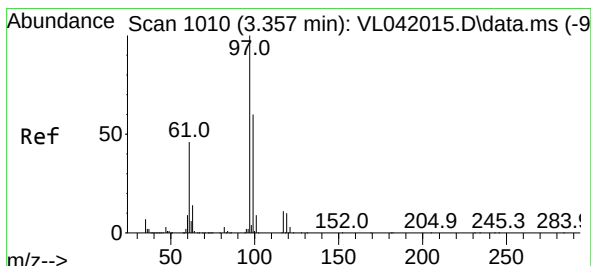
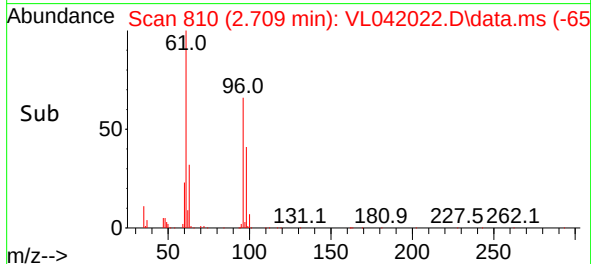
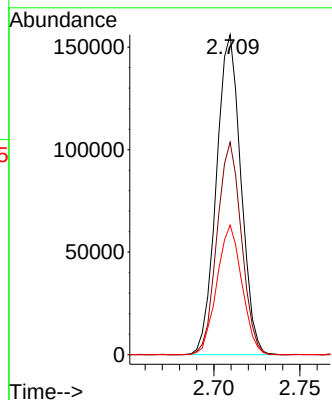
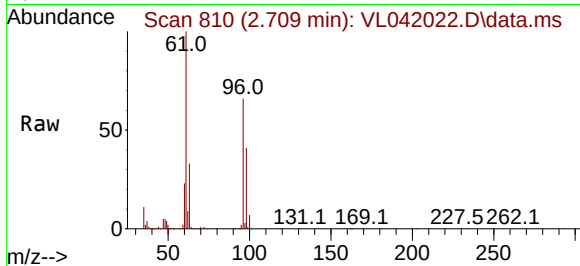




#31
 cis-1,2-Dichloroethene
 Concen: 10.015 ppbv
 RT: 2.709 min Scan# 811
 Delta R.T. -0.004 min
 Lab File: VL042022.D
 Acq: 14 Feb 2025 16:10

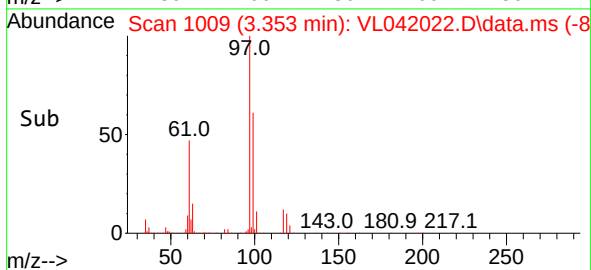
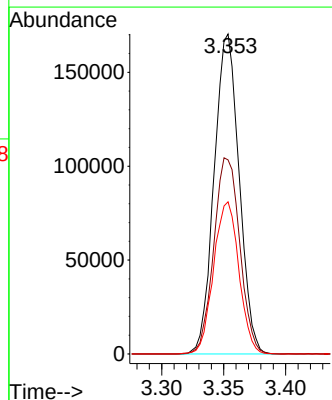
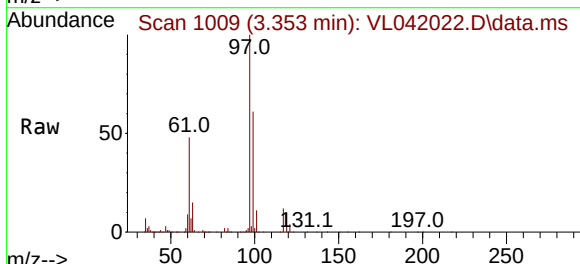
Instrument :
 MSVOA_L
 ClientSampleId :

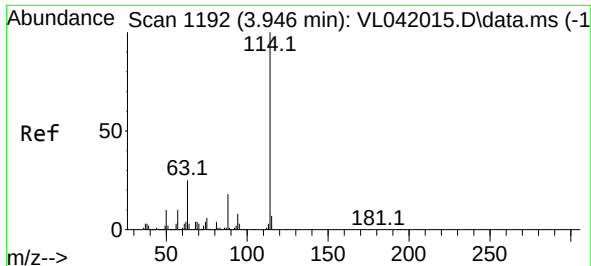
Tgt Ion: 61 Resp: 154885
 Ion Ratio Lower Upper
 61 100
 96 66.4 51.6 77.4
 98 40.5 34.8 52.2



#32
 1,1,1-Trichloroethane
 Concen: 9.539 ppbv
 RT: 3.353 min Scan# 1009
 Delta R.T. -0.004 min
 Lab File: VL042022.D
 Acq: 14 Feb 2025 16:10

Tgt Ion: 97 Resp: 239755
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.0 76.4
 61 48.2 37.9 56.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.939 min Scan# 1192

Delta R.T. -0.007 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Instrument :

MSVOA_L

ClientSampleId :

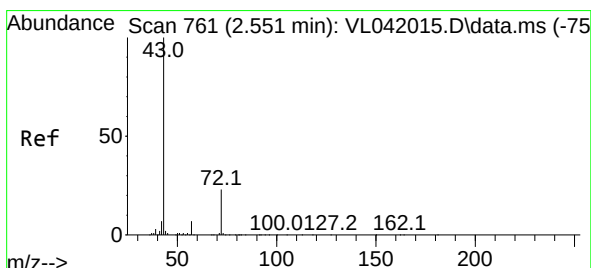
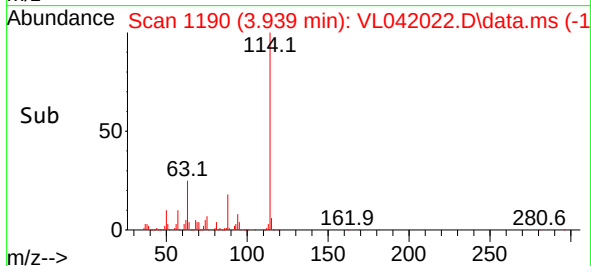
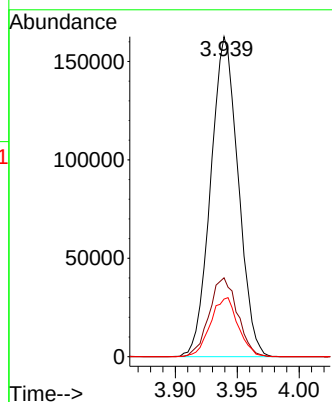
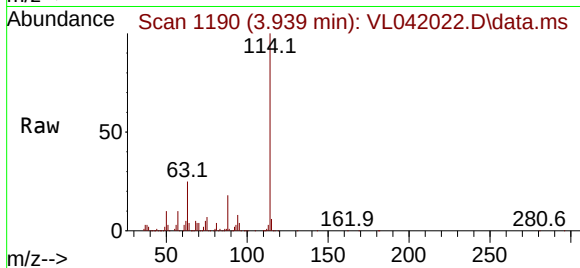
Tgt Ion:114 Resp: 251775

Ion Ratio Lower Upper

114 100

63 25.3 20.2 30.2

88 18.6 14.4 21.6



#34

2-Butanone

Concen: 9.900 ppbv

RT: 2.548 min Scan# 760

Delta R.T. -0.004 min

Lab File: VL042022.D

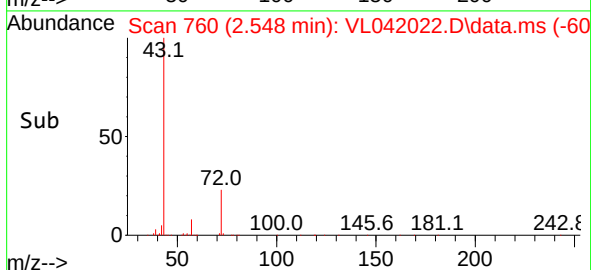
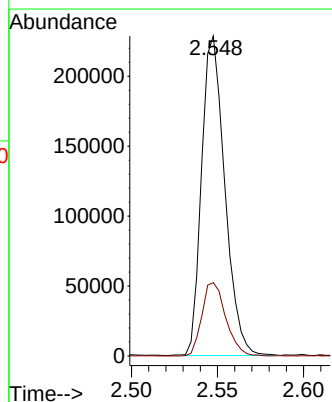
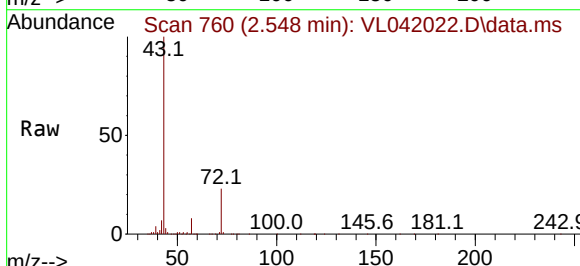
Acq: 14 Feb 2025 16:10

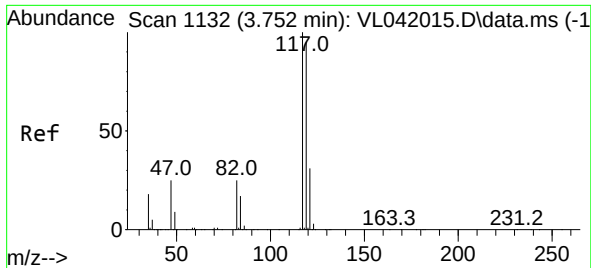
Tgt Ion: 43 Resp: 214434

Ion Ratio Lower Upper

43 100

72 23.7 18.3 27.5

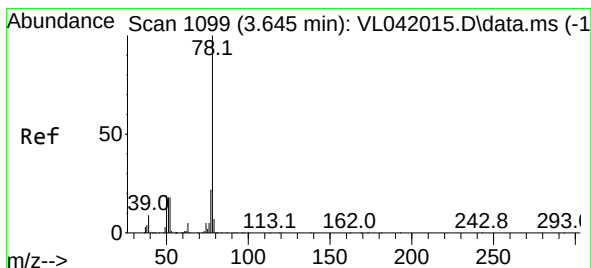
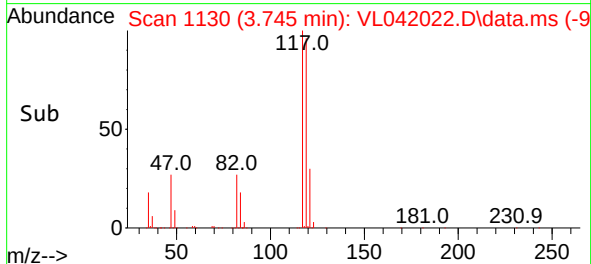
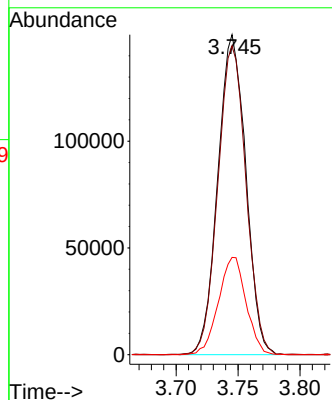
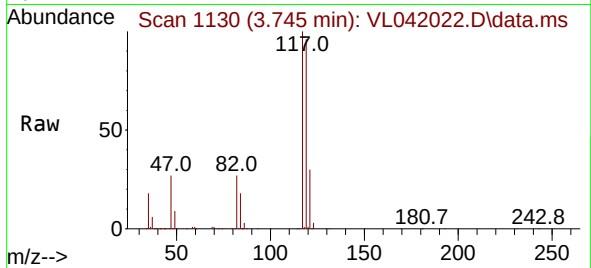




#35
Carbon Tetrachloride
Concen: 9.629 ppbv
RT: 3.745 min Scan# 1130
Delta R.T. -0.007 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

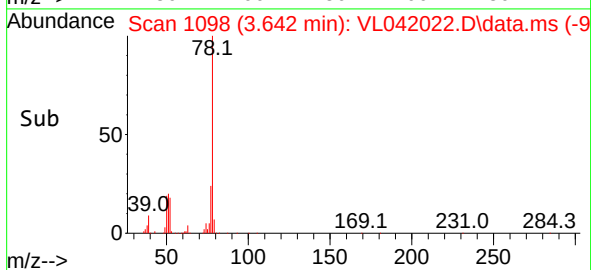
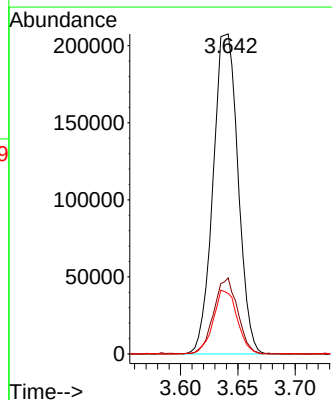
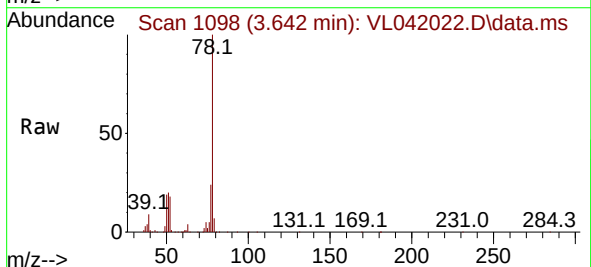
Instrument :
MSVOA_L
ClientSampleId :

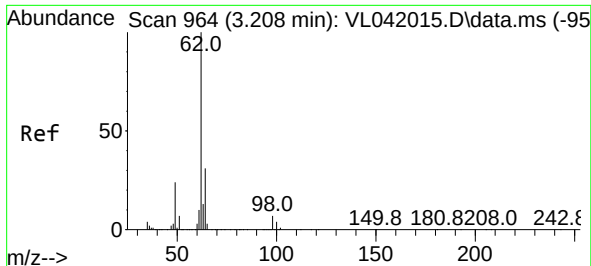
Tgt Ion:117 Resp: 235410
Ion Ratio Lower Upper
117 100
119 96.3 75.8 113.6
121 30.4 24.6 36.8



#36
Benzene
Concen: 10.314 ppbv
RT: 3.642 min Scan# 1098
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion: 78 Resp: 314567
Ion Ratio Lower Upper
78 100
77 23.7 18.0 27.0
50 18.9 15.2 22.8





#37

1,2-Dichloroethane

Concen: 10.209 ppbv

RT: 3.205 min Scan# 9

Delta R.T. -0.004 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Instrument :

MSVOA_L

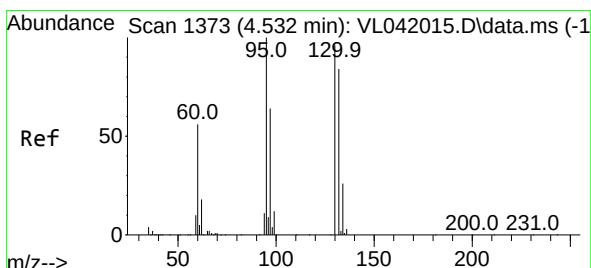
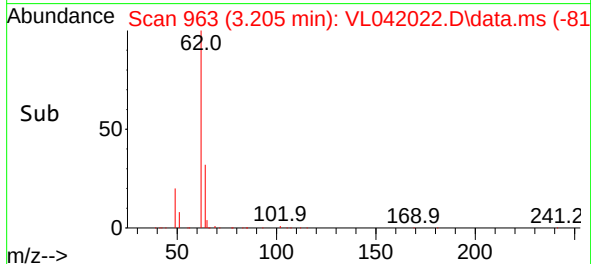
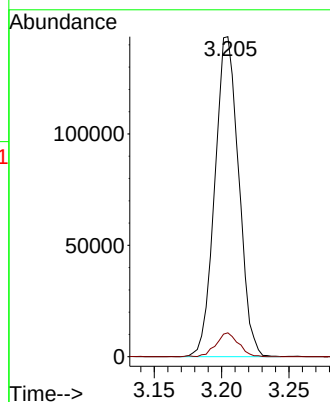
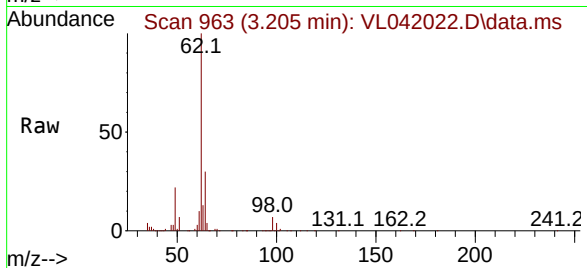
ClientSampleId :

Tgt Ion: 62 Resp: 177247

Ion Ratio Lower Upper

62 100

98 7.1 5.7 8.5



#38

Trichloroethene

Concen: 9.718 ppbv

RT: 4.522 min Scan# 1370

Delta R.T. -0.010 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Tgt Ion:130 Resp: 120408

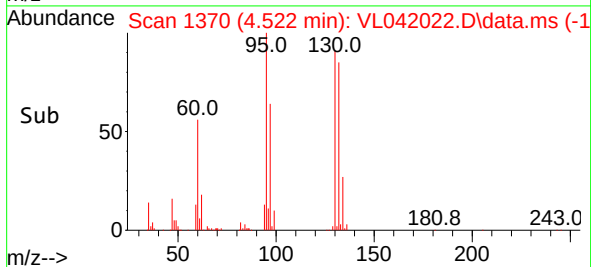
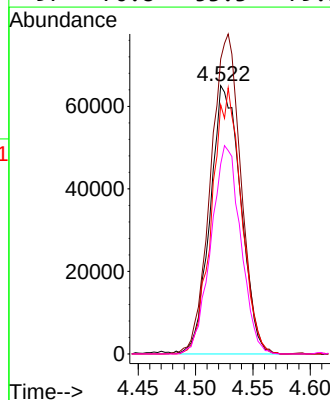
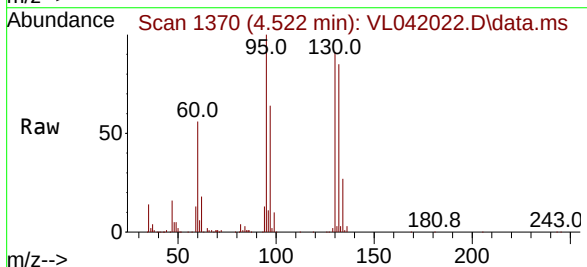
Ion Ratio Lower Upper

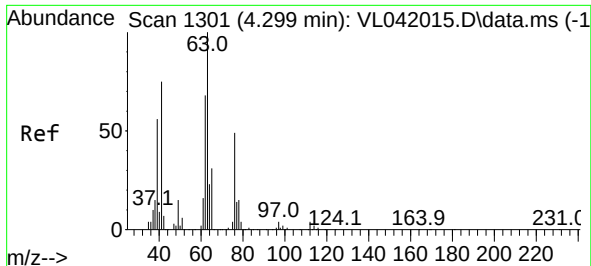
130 100

95 109.8 82.8 124.2

132 92.8 70.0 105.0

97 70.8 53.3 79.9





#39

1,2-Dichloropropane

Concen: 10.099 ppbv

RT: 4.292 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Instrument :

MSVOA_L

ClientSampleId :

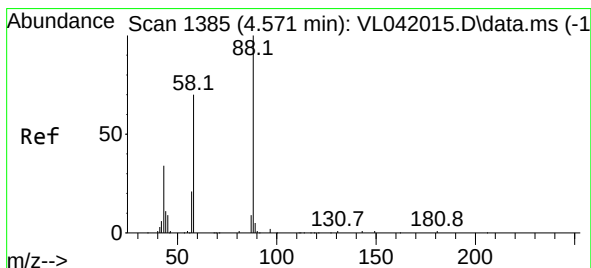
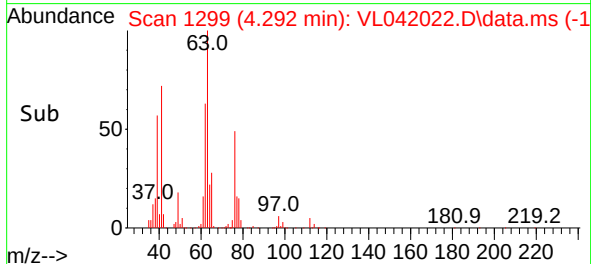
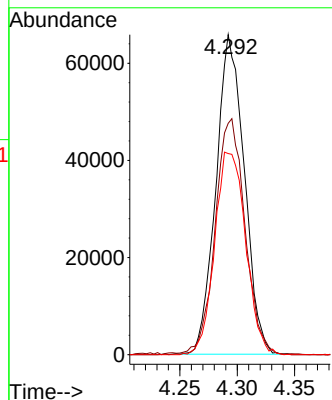
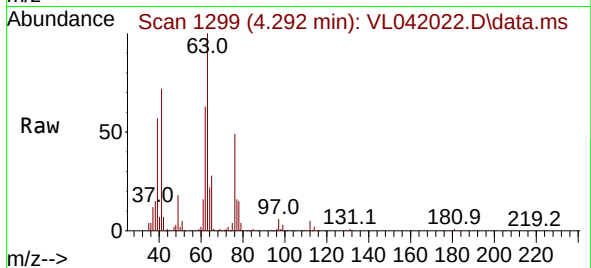
Tgt Ion: 63 Resp: 112921

Ion Ratio Lower Upper

63 100

41 72.1 60.1 90.1

62 62.9 54.0 81.0



#40

1,4-Dioxane

Concen: 9.894 ppbv

RT: 4.564 min Scan# 1383

Delta R.T. -0.007 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Tgt Ion: 88 Resp: 57565

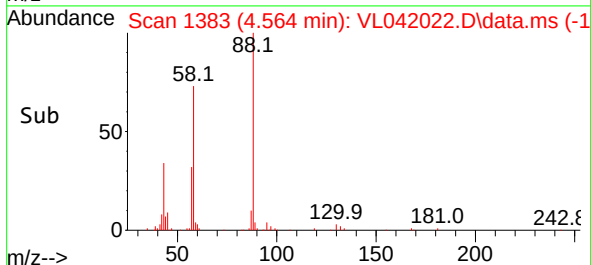
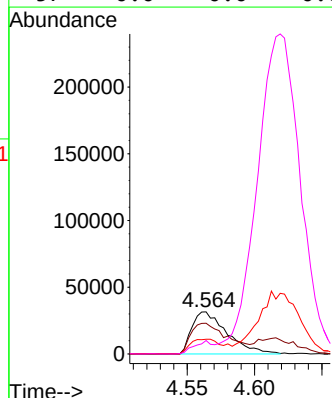
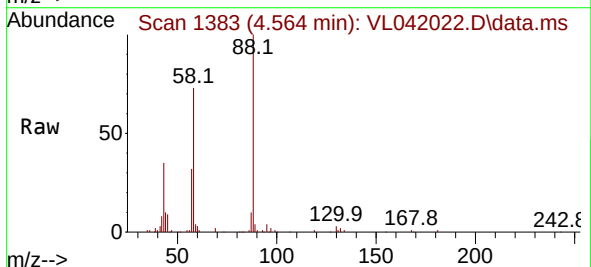
Ion Ratio Lower Upper

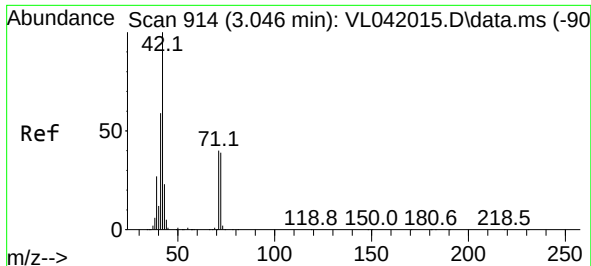
88 100

58 77.1 58.1 87.1

43 29.3 27.3 40.9

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 10.263 ppbv

RT: 3.043 min Scan# 914

Delta R.T. -0.004 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Instrument :

MSVOA_L

ClientSampleId :

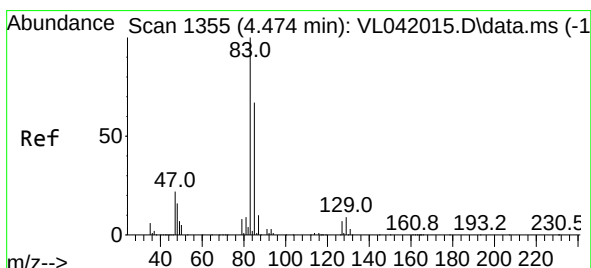
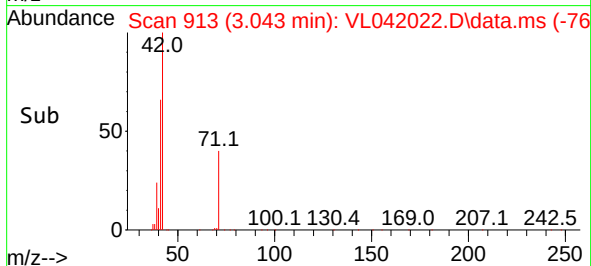
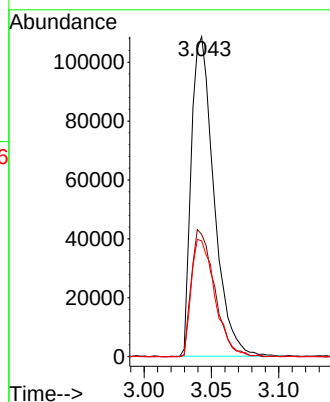
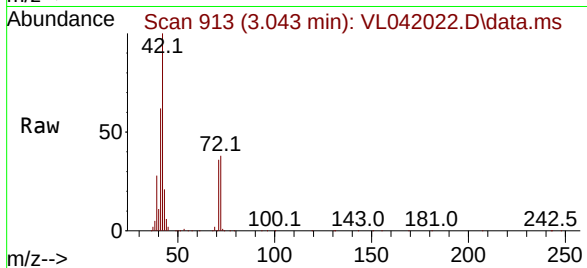
Tgt Ion: 42 Resp: 127051

Ion Ratio Lower Upper

42 100

72 40.5 32.3 48.5

71 38.5 30.9 46.3



#42

Bromodichloromethane

Concen: 10.870 ppbv

RT: 4.467 min Scan# 1353

Delta R.T. -0.007 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

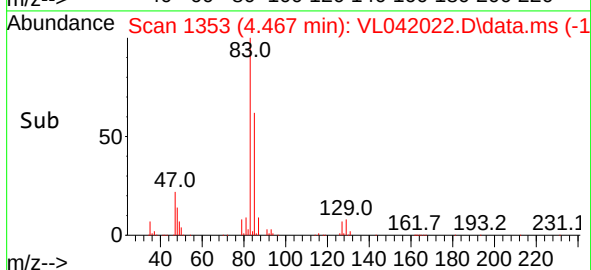
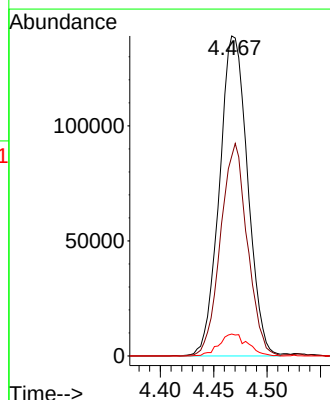
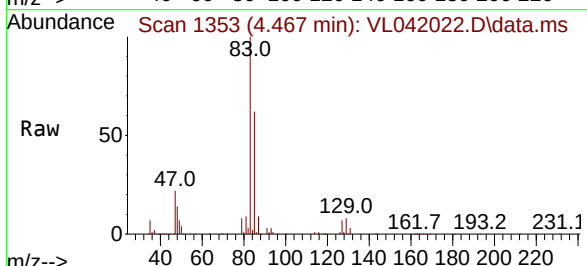
Tgt Ion: 83 Resp: 255671

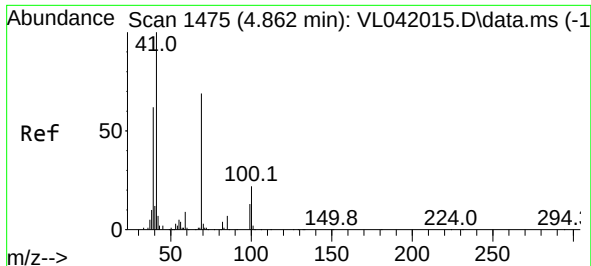
Ion Ratio Lower Upper

83 100

85 62.4 53.3 79.9

127 6.9 6.0 9.0

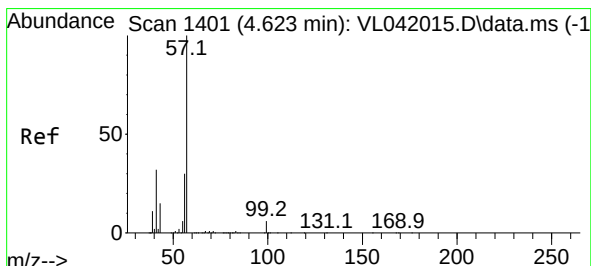
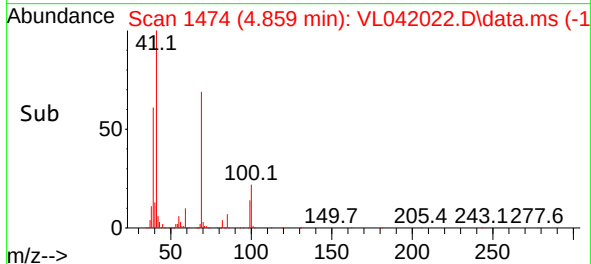
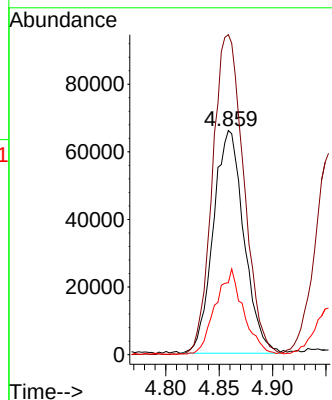
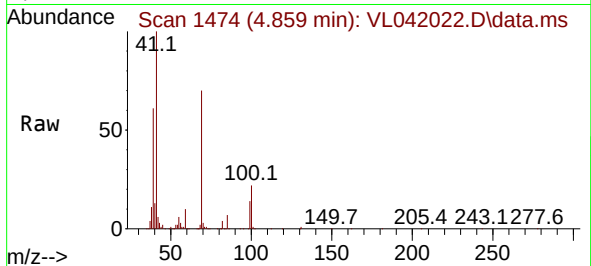




#43
Methyl Methacrylate
Concen: 9.462 ppbv
RT: 4.859 min Scan# 1475
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

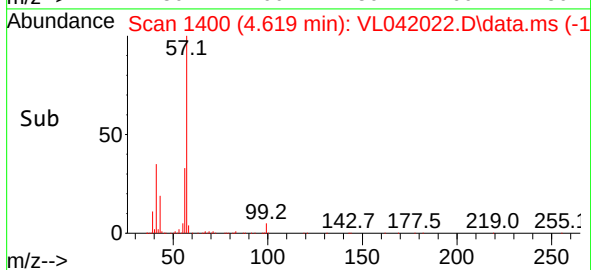
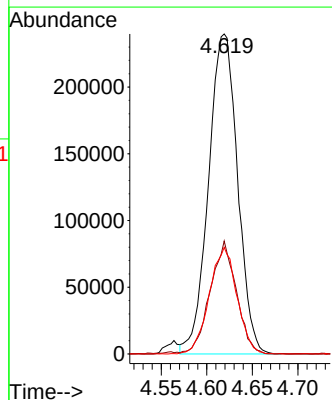
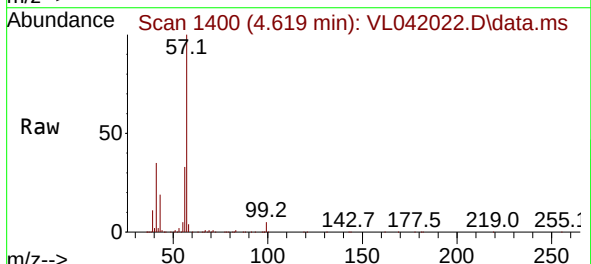
Instrument :
MSVOA_L
ClientSampleId :

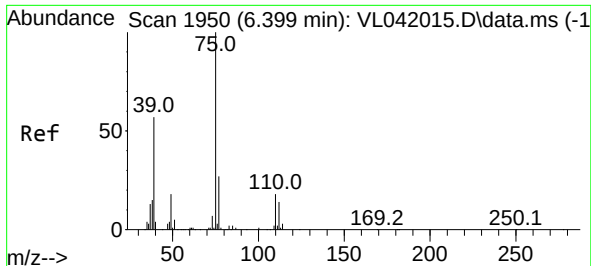
Tgt Ion: 69 Resp: 131546
Ion Ratio Lower Upper
69 100
41 146.2 114.9 172.3
100 34.9 28.8 43.2



#44
2,2,4-Trimethylpentane
Concen: 10.292 ppbv
RT: 4.619 min Scan# 1400
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion: 57 Resp: 532847
Ion Ratio Lower Upper
57 100
41 32.3 25.9 38.9
56 31.6 24.9 37.3

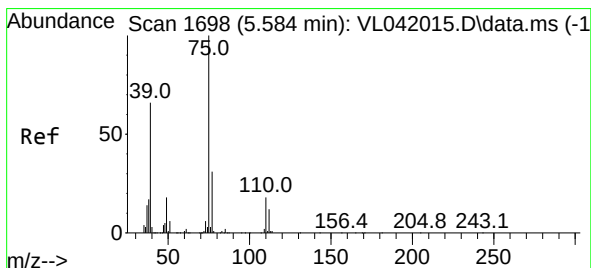
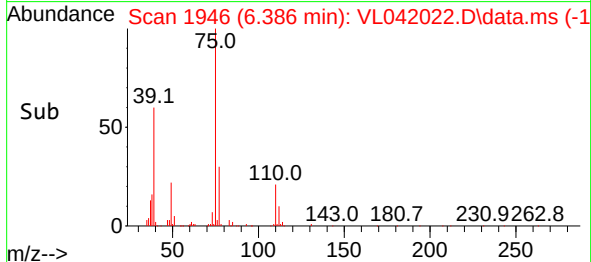
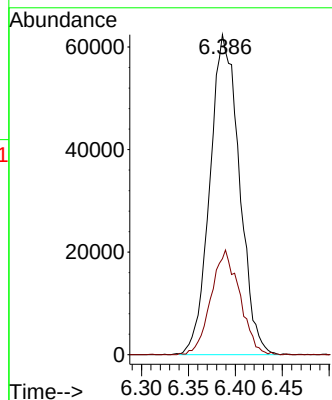
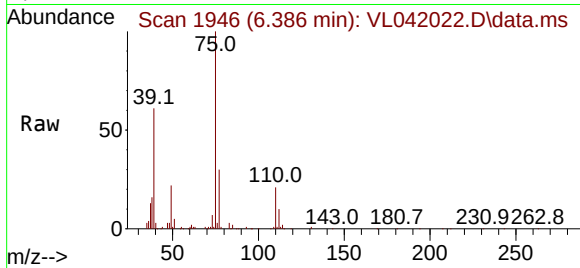




#45
 t-1,3-Dichloropropene
 Concen: 10.376 ppbv
 RT: 6.386 min Scan# 1946
 Delta R.T. -0.013 min
 Lab File: VL042022.D
 Acq: 14 Feb 2025 16:10

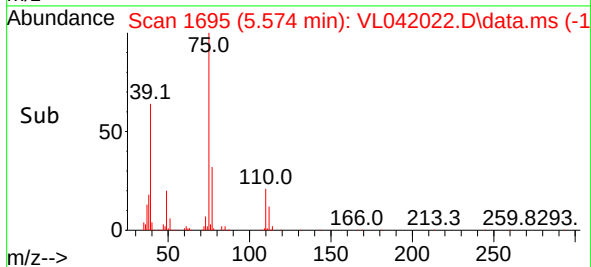
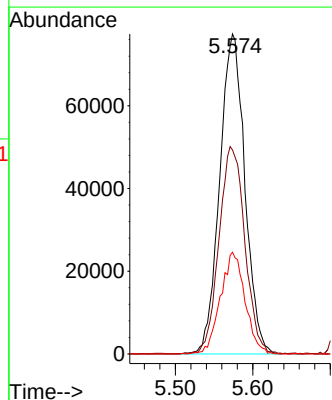
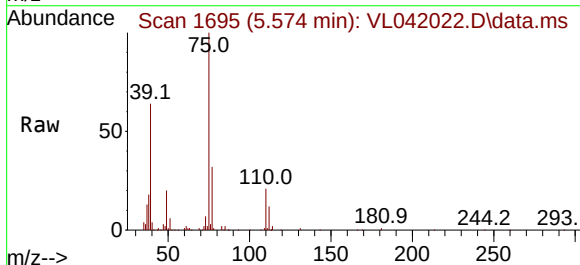
Instrument :
 MSVOA_L
 ClientSampleId :

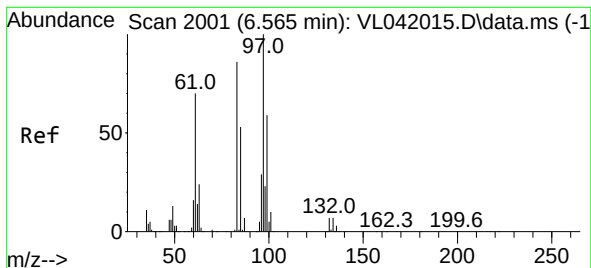
Tgt Ion: 75 Resp: 136178
 Ion Ratio Lower Upper
 75 100
 77 30.0 22.1 33.1



#46
 cis-1,3-Dichloropropene
 Concen: 10.484 ppbv
 RT: 5.574 min Scan# 1695
 Delta R.T. -0.010 min
 Lab File: VL042022.D
 Acq: 14 Feb 2025 16:10

Tgt Ion: 75 Resp: 174589
 Ion Ratio Lower Upper
 75 100
 39 63.6 52.2 78.4
 77 31.8 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 5.526 ppbv

RT: 6.555 min Scan# 1998

Delta R.T. -0.010 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 65025

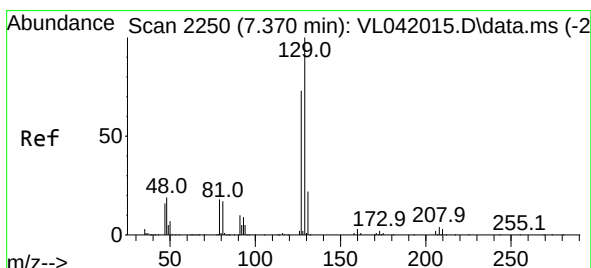
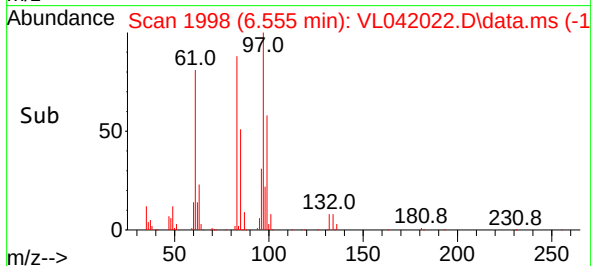
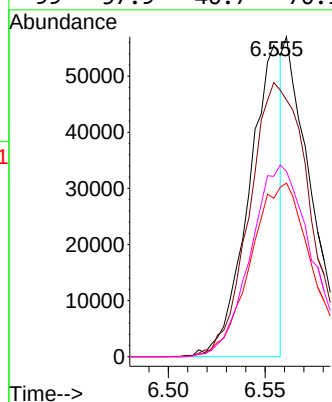
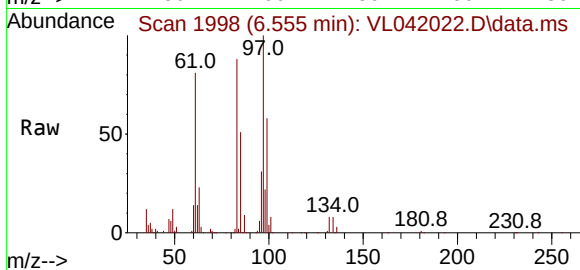
Ion Ratio Lower Upper

97 100

83 87.9 68.6 102.8

85 50.9 42.2 63.4

99 57.9 46.7 70.1



#48

Dibromochloromethane

Concen: 10.463 ppbv

RT: 7.367 min Scan# 2249

Delta R.T. -0.004 min

Lab File: VL042022.D

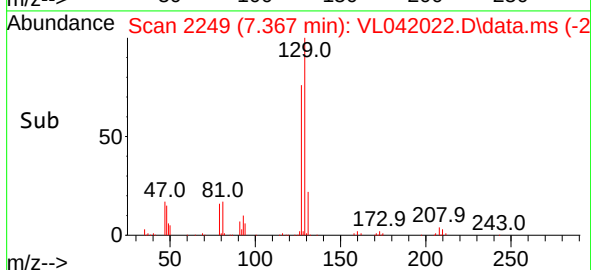
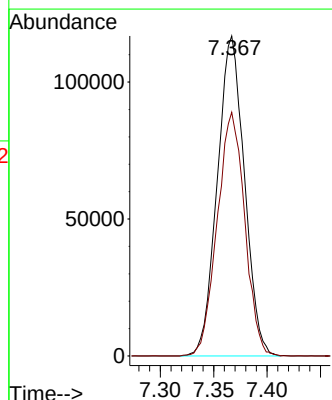
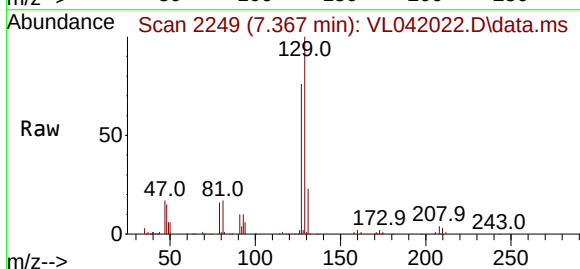
Acq: 14 Feb 2025 16:10

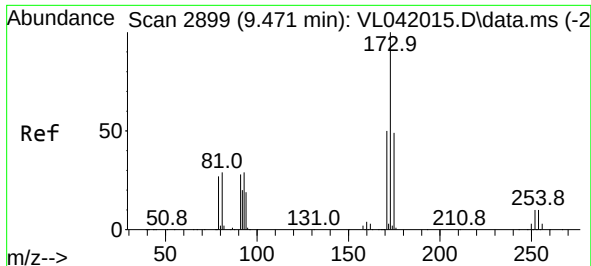
Tgt Ion: 129 Resp: 206204

Ion Ratio Lower Upper

129 100

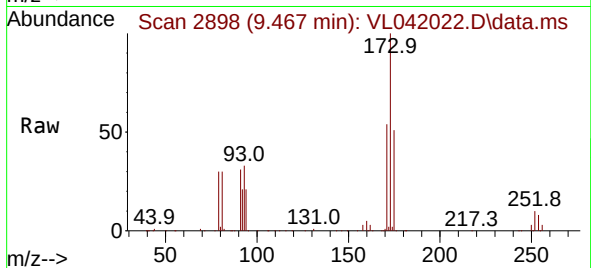
127 77.3 38.2 114.6



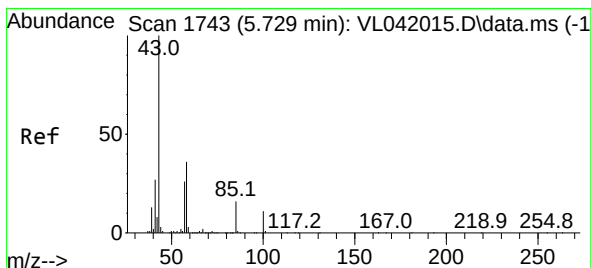
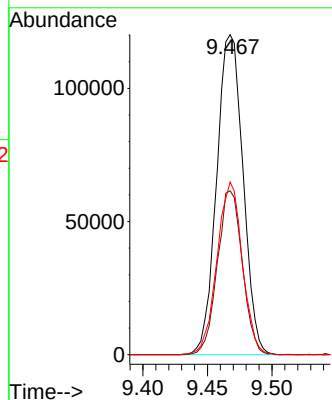
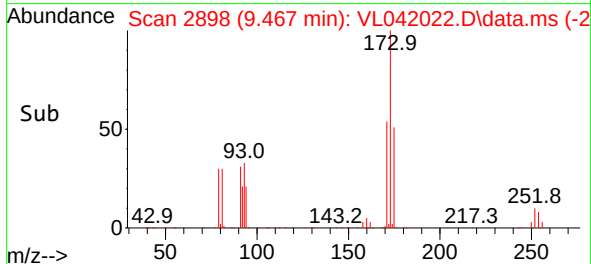


#49
Bromoform
Concen: 10.565 ppbv
RT: 9.467 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Instrument :
MSVOA_L
ClientSampleId :

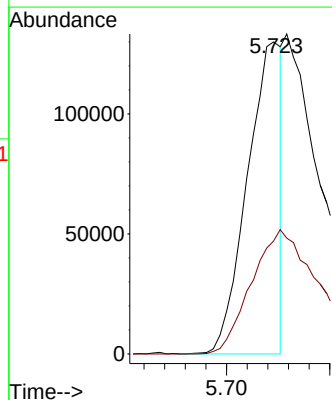
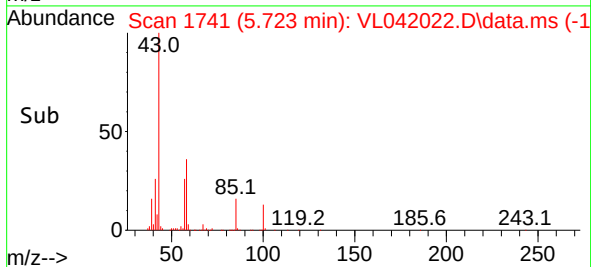
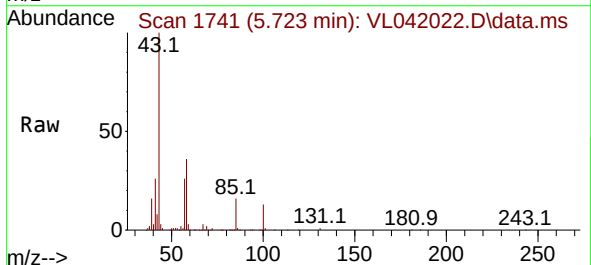


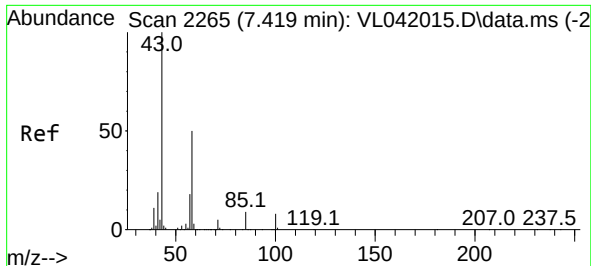
Tgt Ion:173 Resp: 170786
Ion Ratio Lower Upper
173 100
175 48.5 39.3 58.9
171 51.8 41.4 62.2



#50
4-Methyl-2-Pentanone
Concen: 4.483 ppbv
RT: 5.723 min Scan# 1741
Delta R.T. -0.007 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion: 43 Resp: 149224
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#

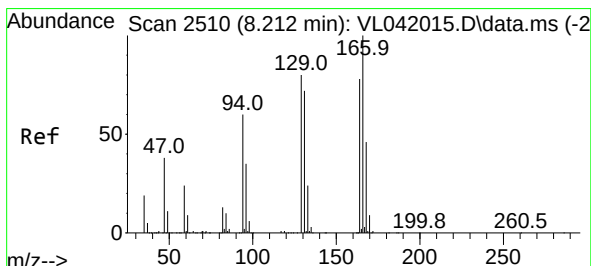
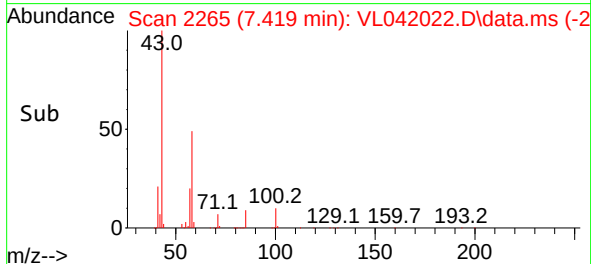
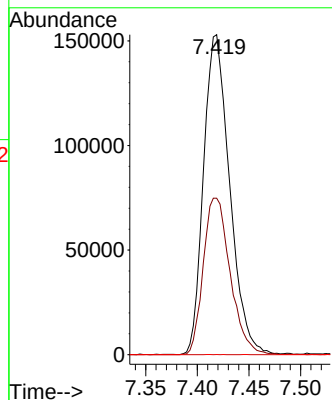
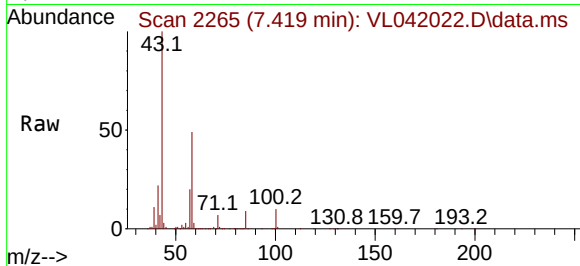




#51
2-Hexanone
Concen: 9.891 ppbv
RT: 7.419 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

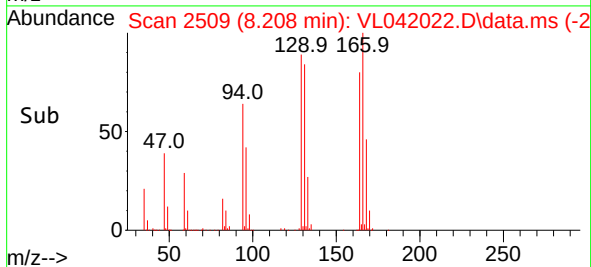
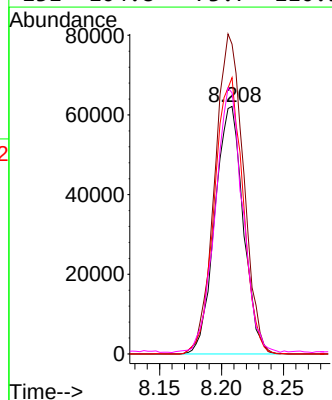
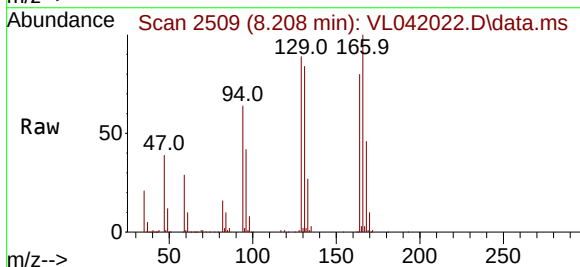
Instrument :
MSVOA_L
ClientSampleId :

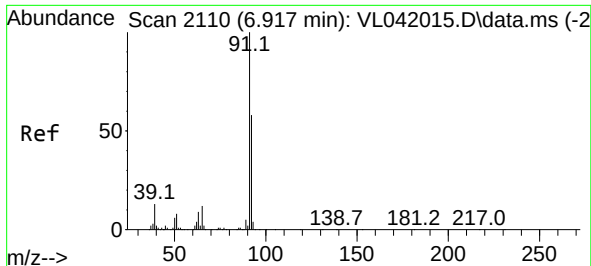
Tgt Ion: 43 Resp: 269300
Ion Ratio Lower Upper
43 100
58 50.4 41.4 62.0
98 0.0 0.0 0.0#



#52
Tetrachloroethene
Concen: 9.292 ppbv
RT: 8.208 min Scan# 2509
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion: 164 Resp: 98841
Ion Ratio Lower Upper
164 100
166 125.2 102.2 153.2
129 111.6 82.2 123.4
131 104.8 73.7 110.5

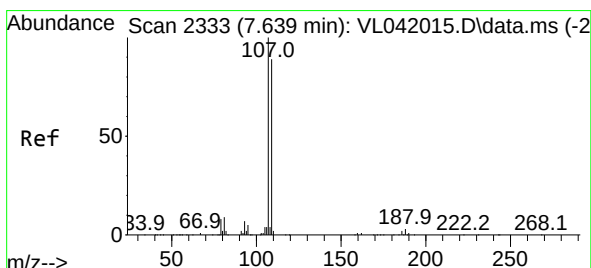
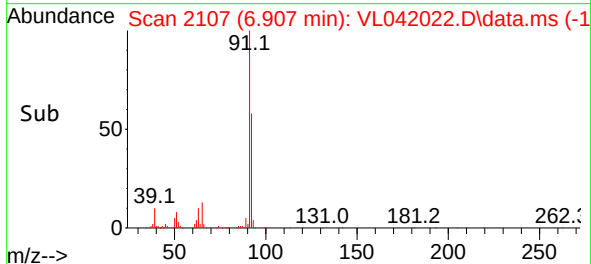
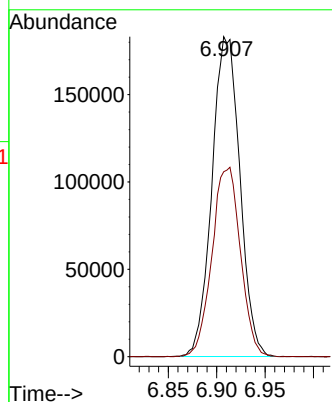
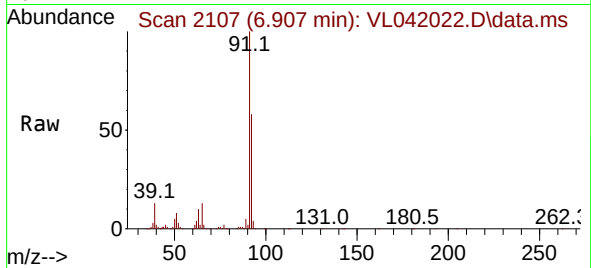




#53
Toluene
Concen: 10.127 ppbv
RT: 6.907 min Scan# 2110
Delta R.T. -0.010 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

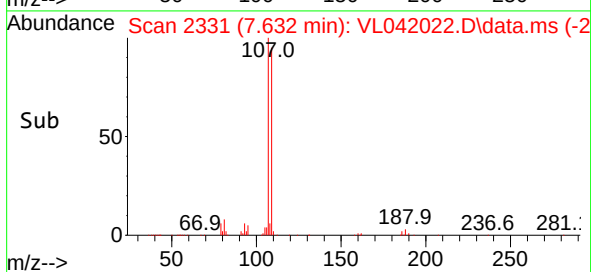
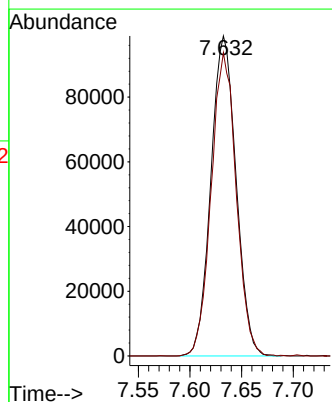
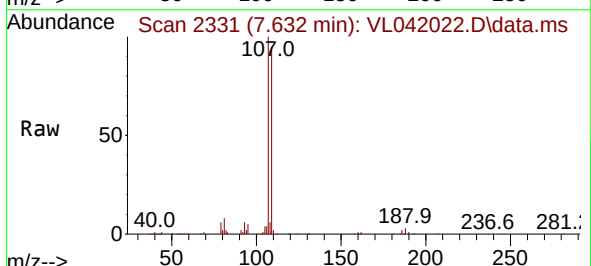
Instrument :
MSVOA_L
ClientSampleId :

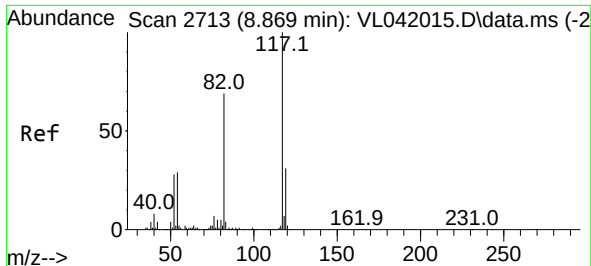
Tgt Ion: 91 Resp: 368032
Ion Ratio Lower Upper
91 100
92 60.3 47.5 71.3



#54
1,2-Dibromoethane
Concen: 10.353 ppbv
RT: 7.632 min Scan# 2331
Delta R.T. -0.007 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion: 107 Resp: 167744
Ion Ratio Lower Upper
107 100
109 94.6 71.5 107.3

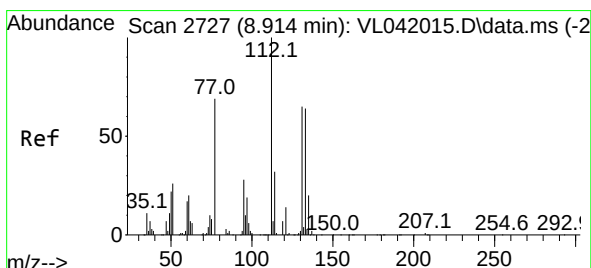
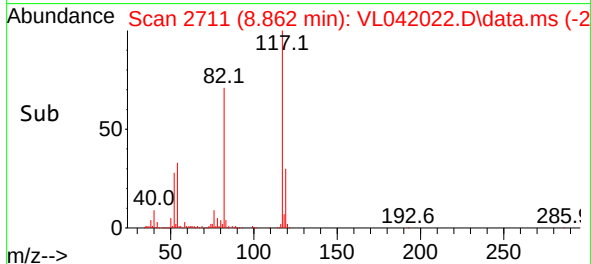
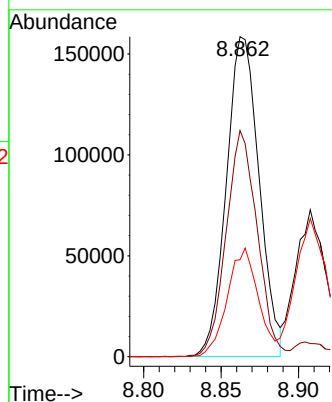
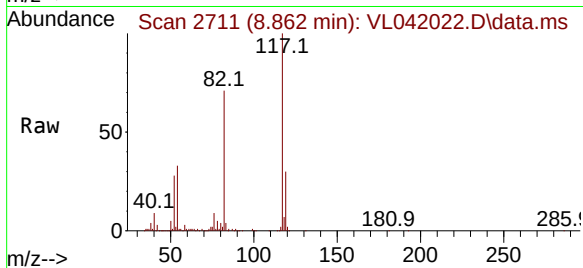




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 211
Delta R.T. -0.007 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

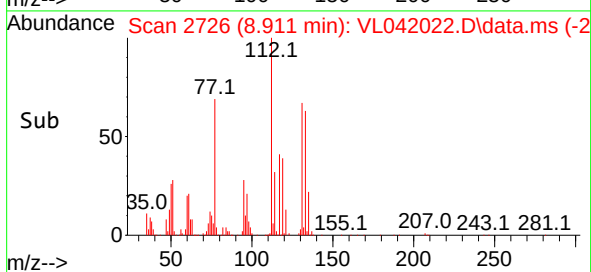
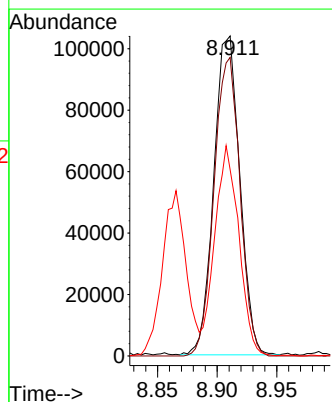
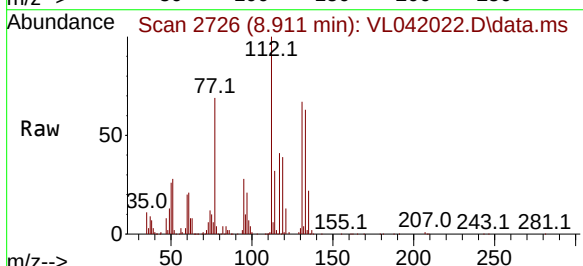
Instrument :
MSVOA_L
ClientSampleId :

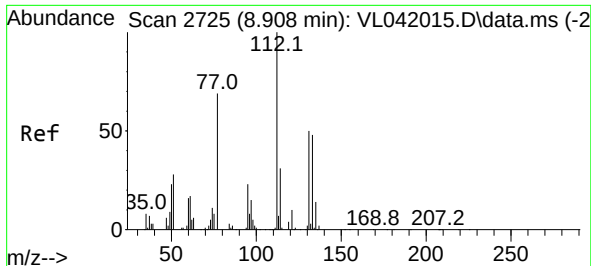
Tgt Ion:117 Resp: 233855
Ion Ratio Lower Upper
117 100
82 71.3 55.7 83.5
119 32.8 25.2 37.8



#56
1,1,1,2-Tetrachloroethane
Concen: 9.392 ppbv
RT: 8.911 min Scan# 2726
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion:131 Resp: 157208
Ion Ratio Lower Upper
131 100
133 93.6 77.8 116.8
119 61.6 49.1 73.7

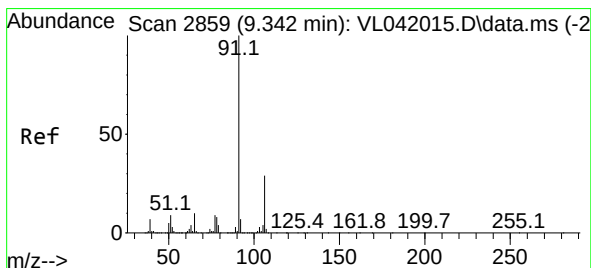
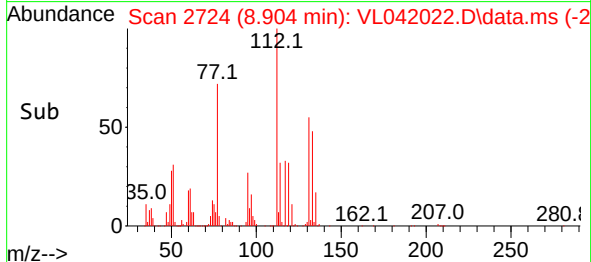
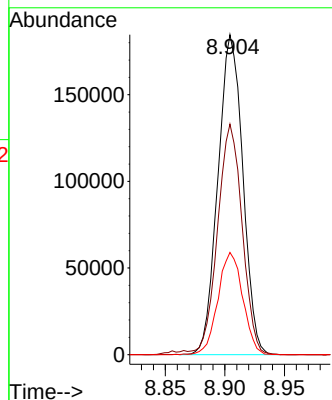
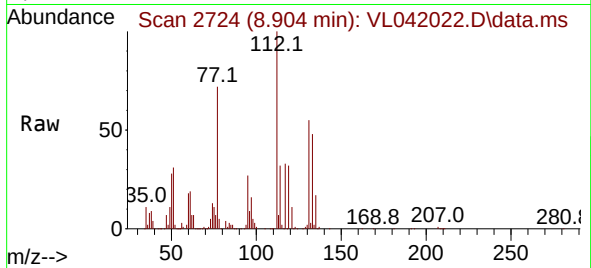




#57
Chlorobenzene
Concen: 9.729 ppbv
RT: 8.904 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

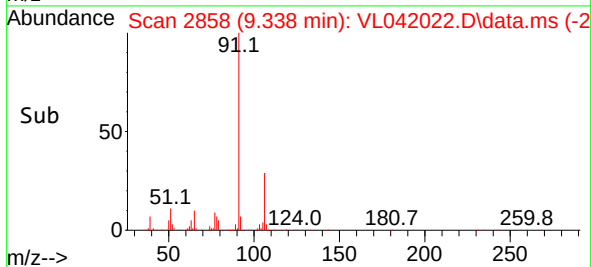
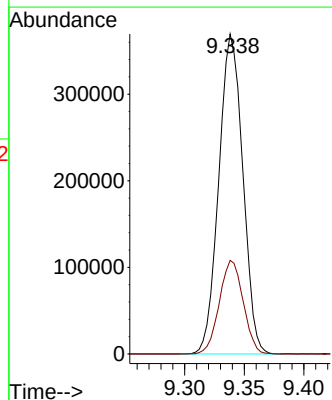
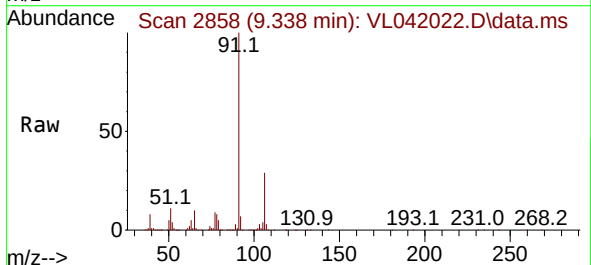
Instrument :
MSVOA_L
ClientSampleId :

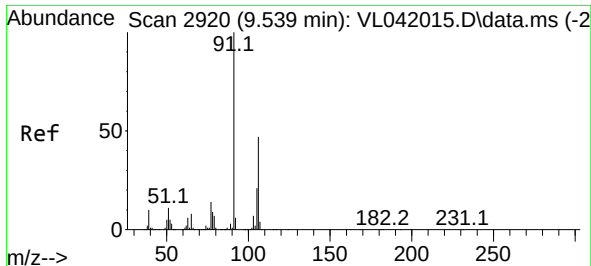
Tgt Ion:112 Resp: 267645
Ion Ratio Lower Upper
112 100
77 72.1 56.2 84.2
114 32.0 28.2 34.4



#58
Ethyl Benzene
Concen: 10.095 ppbv
RT: 9.338 min Scan# 2858
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion: 91 Resp: 516685
Ion Ratio Lower Upper
91 100
106 29.3 23.1 34.7





#59

m/p-Xylene

Concen: 9.526 ppbv

RT: 9.535 min Scan# 2919

Delta R.T. -0.004 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Instrument :

MSVOA_L

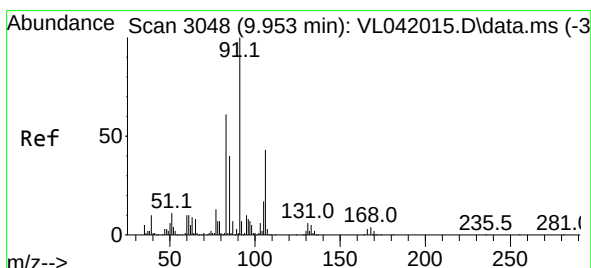
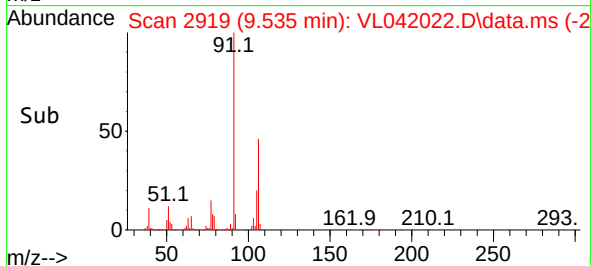
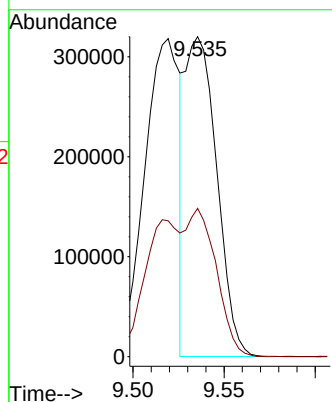
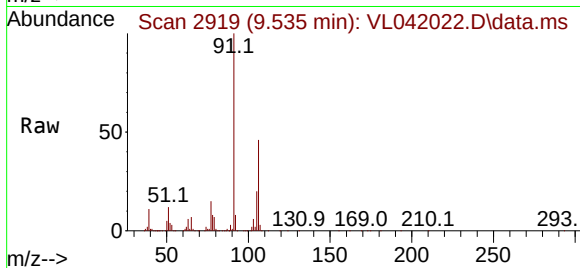
ClientSampleId :

Tgt Ion: 91 Resp: 384012

Ion Ratio Lower Upper

91 100

106 93.9 35.8 53.8#



#60

o-Xylene

Concen: 9.857 ppbv

RT: 9.950 min Scan# 3047

Delta R.T. -0.004 min

Lab File: VL042022.D

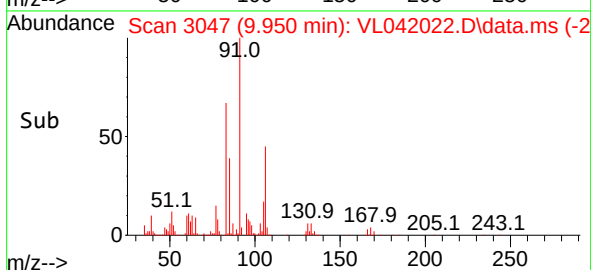
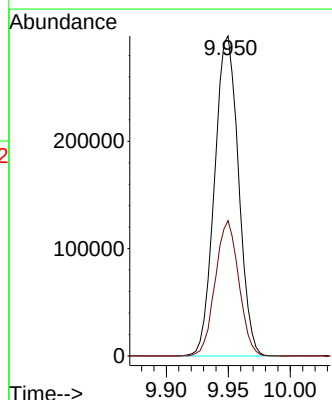
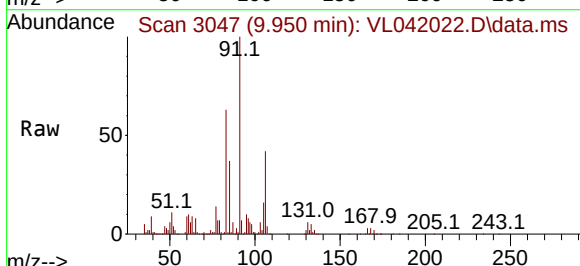
Acq: 14 Feb 2025 16:10

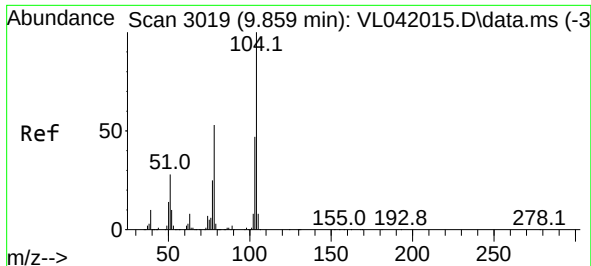
Tgt Ion: 91 Resp: 401874

Ion Ratio Lower Upper

91 100

106 41.6 21.4 64.3

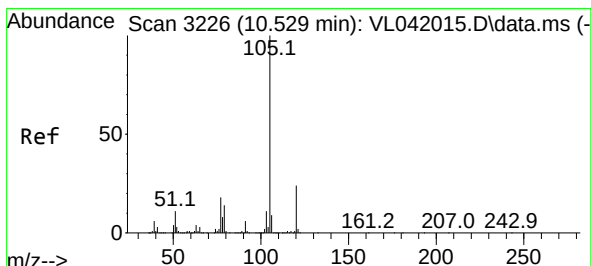
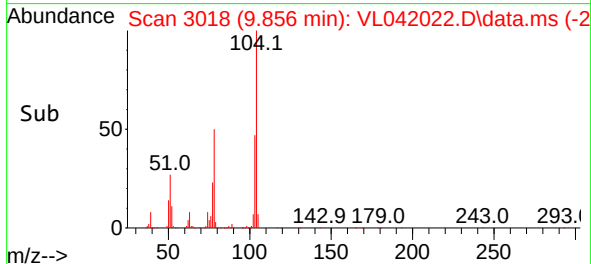
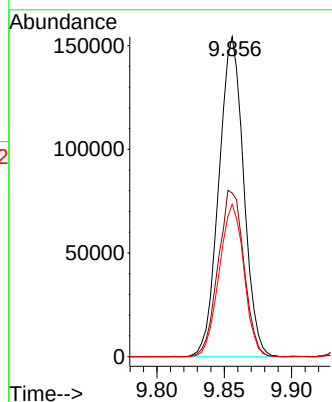
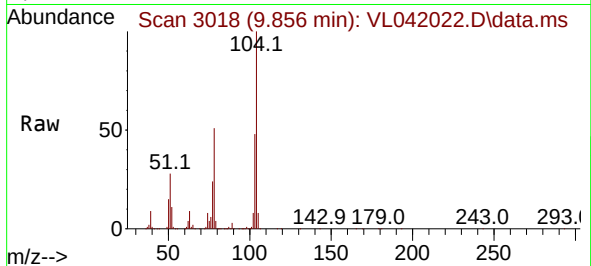




#61
Styrene
Concen: 10.147 ppbv
RT: 9.856 min Scan# 3019
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

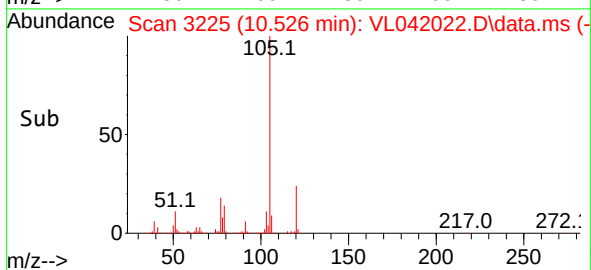
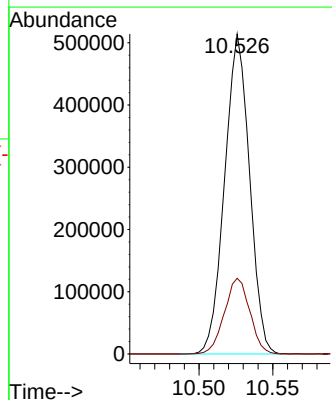
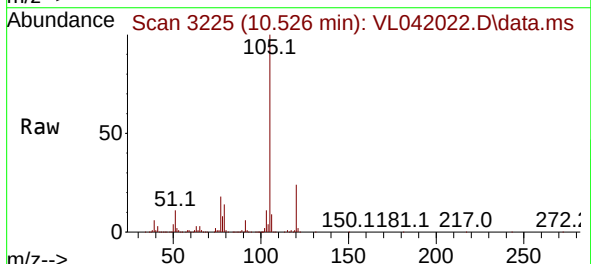
Instrument :
MSVOA_L
ClientSampleId :

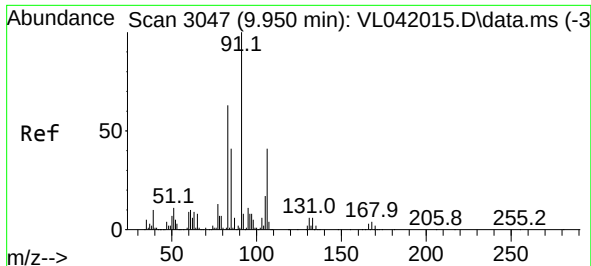
Tgt Ion:104 Resp: 197284
Ion Ratio Lower Upper
104 100
78 54.1 42.2 63.4
103 47.6 38.1 57.1



#62
Isopropylbenzene
Concen: 9.844 ppbv
RT: 10.526 min Scan# 3225
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion:105 Resp: 602558
Ion Ratio Lower Upper
105 100
120 24.1 19.8 29.8

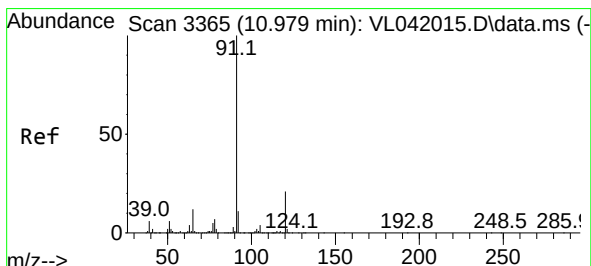
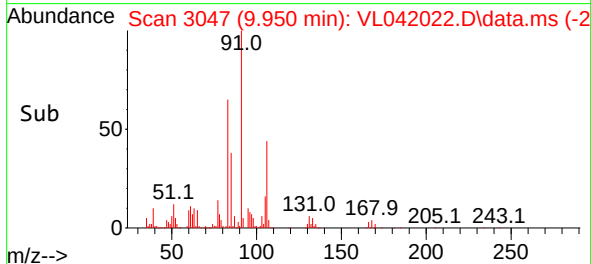
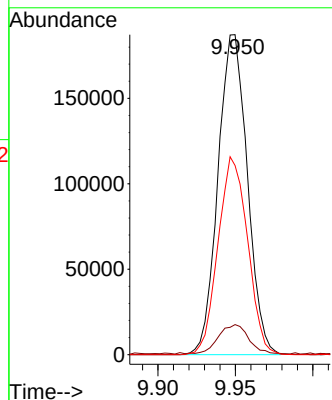
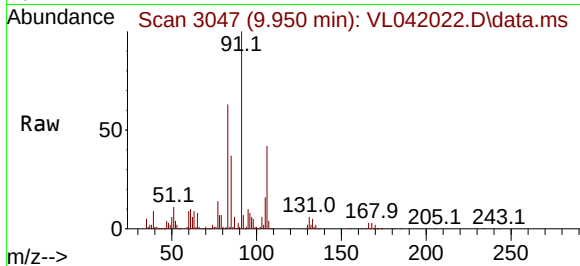




#63
1,1,2,2-Tetrachloroethane
Concen: 9.387 ppbv
RT: 9.950 min Scan# 3047
Delta R.T. -0.000 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

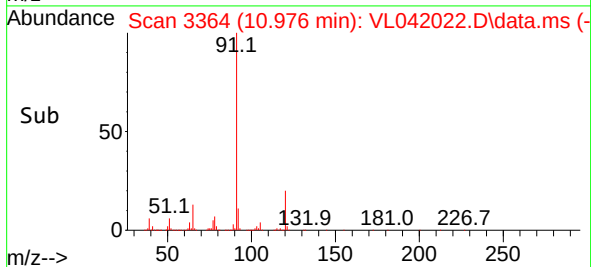
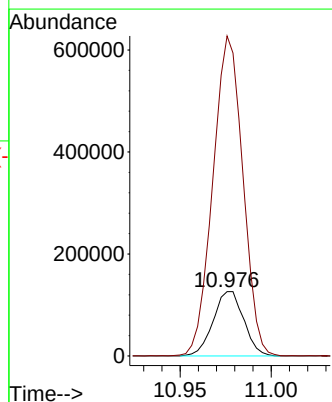
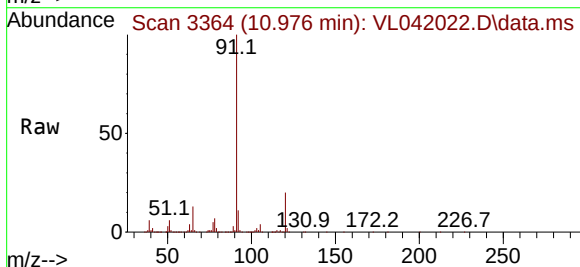
Instrument :
MSVOA_L
ClientSampleId :

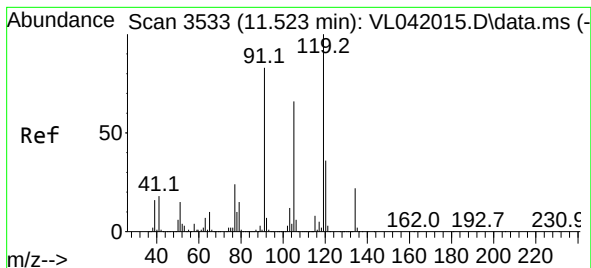
Tgt Ion: 83 Resp: 246927
Ion Ratio Lower Upper
83 100
131 9.7 5.0 15.0
85 62.3 32.1 96.3



#64
n-propylbenzene
Concen: 9.759 ppbv
RT: 10.976 min Scan# 3364
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion: 120 Resp: 146775
Ion Ratio Lower Upper
120 100
91 490.3 392.2 588.2

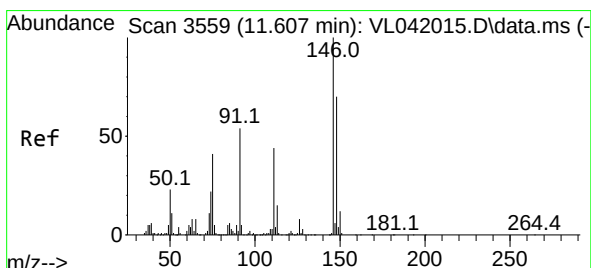
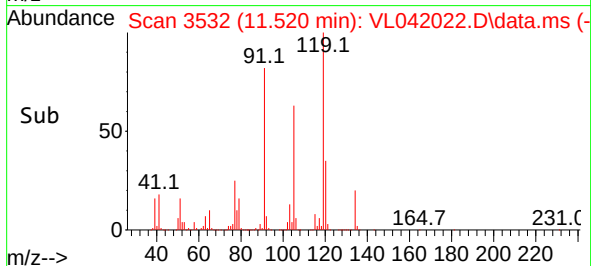
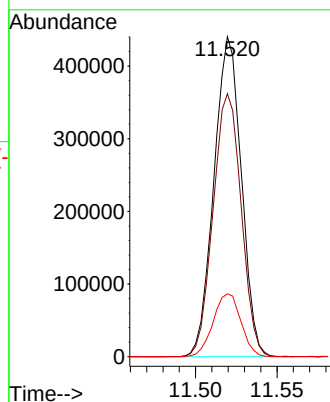
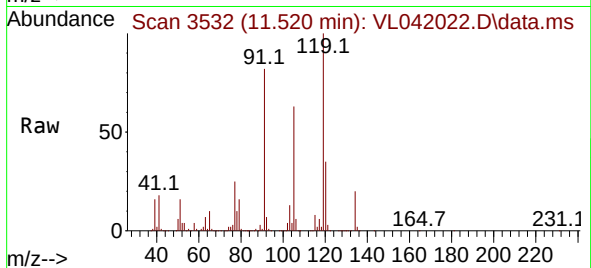




#65
tert-Butylbenzene
Concen: 9.648 ppbv
RT: 11.520 min Scan# 3533
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

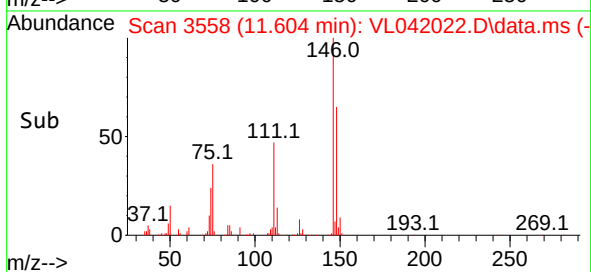
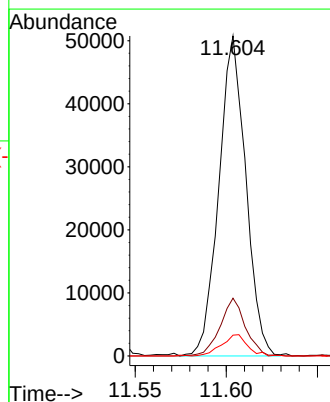
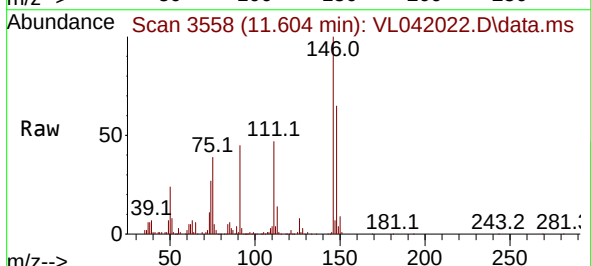
Instrument :
MSVOA_L
ClientSampleId :

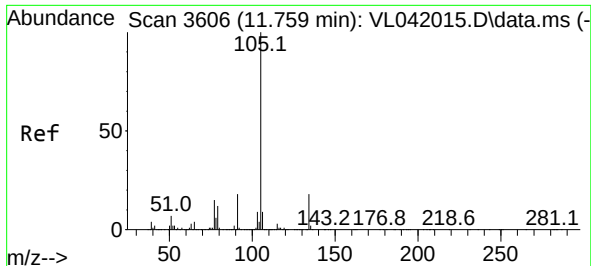
Tgt Ion:119 Resp: 514826
Ion Ratio Lower Upper
119 100
91 84.2 66.5 99.7
134 19.9 16.6 24.8



#66
Benzyl Chloride
Concen: 9.744 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion: 91 Resp: 52120
Ion Ratio Lower Upper
91 100
126 16.9 13.8 20.6
128 6.5 4.1 6.1#





#67

sec-Butylbenzene

Concen: 9.689 ppbv

RT: 11.756 min Scan# 3605

Delta R.T. -0.004 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Instrument :

MSVOA_L

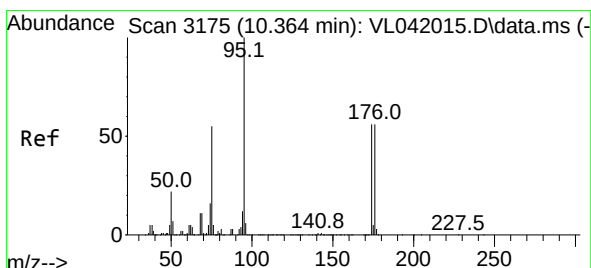
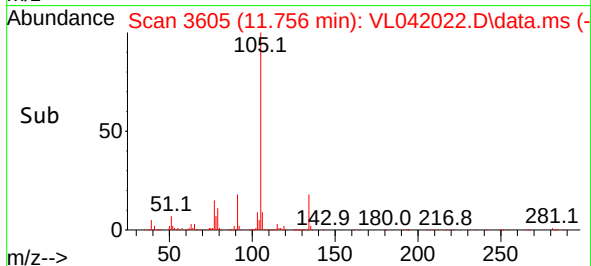
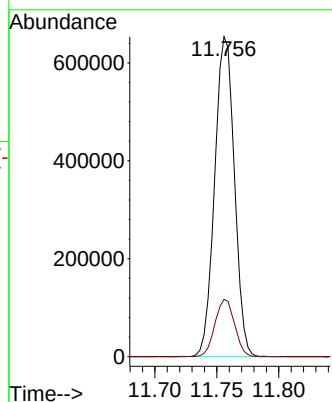
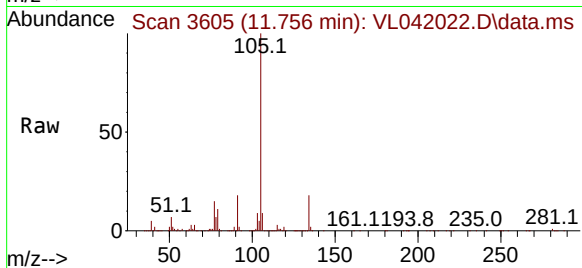
ClientSampleId :

Tgt Ion:105 Resp: 726213

Ion Ratio Lower Upper

105 100

134 17.9 14.7 22.1



#68

1-Bromo-4-Fluorobenzene

Concen: 10.142 ppbv

RT: 10.364 min Scan# 3175

Delta R.T. -0.000 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

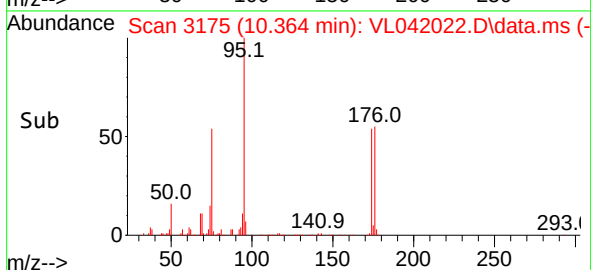
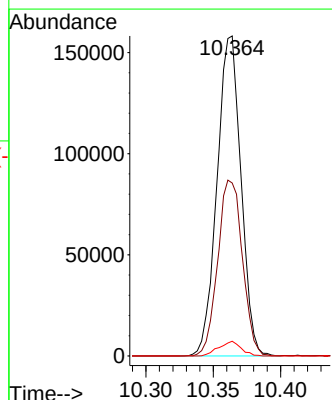
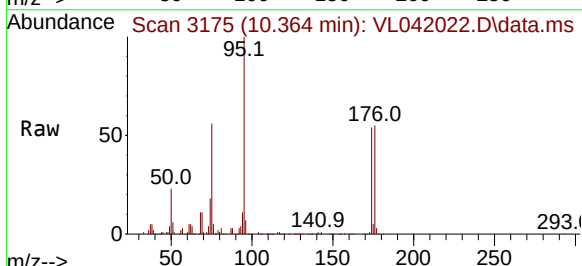
Tgt Ion: 95 Resp: 195640

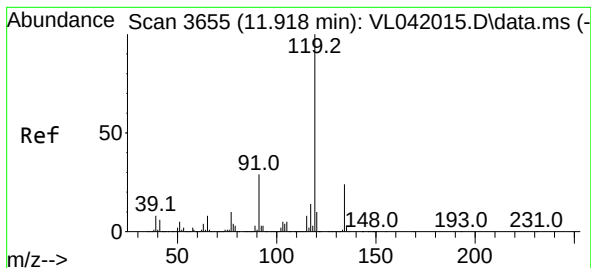
Ion Ratio Lower Upper

95 100

174 56.6 46.7 70.1

175 4.3 3.7 5.5





#69

p-Isopropyltoluene

Concen: 9.519 ppbv

RT: 11.914 min Scan# 3654

Delta R.T. -0.004 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Instrument :

MSVOA_L

ClientSampleId :

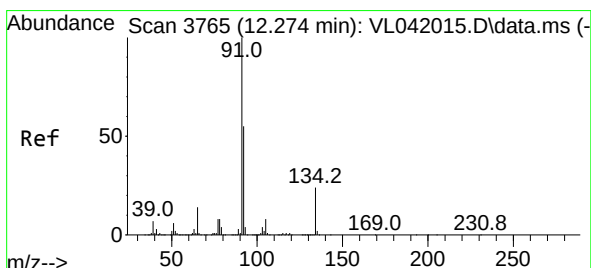
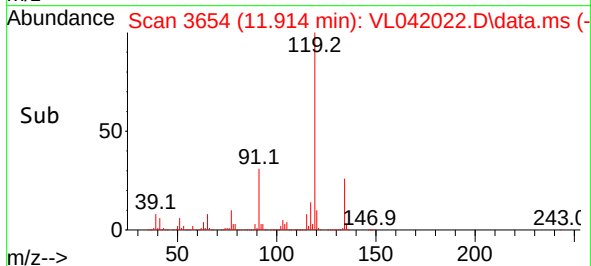
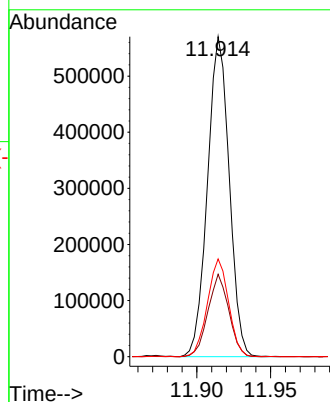
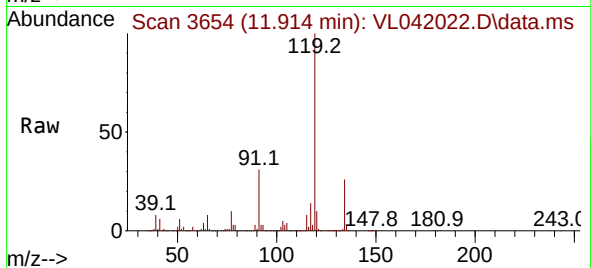
Tgt Ion:119 Resp: 584051

Ion Ratio Lower Upper

119 100

134 24.8 19.4 29.0

91 29.8 23.4 35.2



#70

n-Butylbenzene

Concen: 9.758 ppbv

RT: 12.270 min Scan# 3764

Delta R.T. -0.004 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

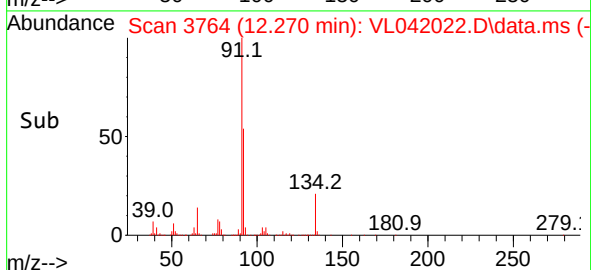
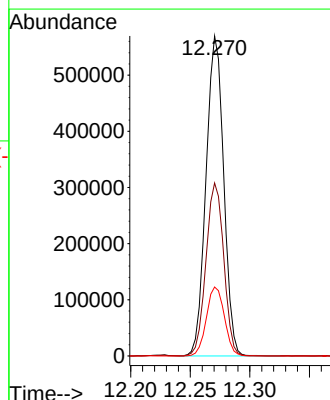
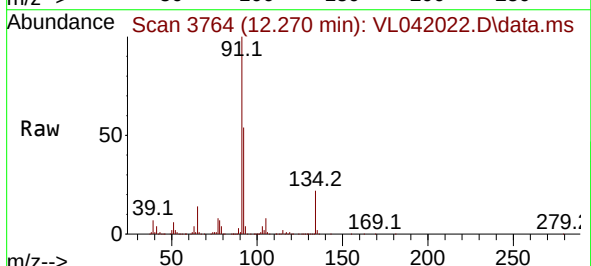
Tgt Ion: 91 Resp: 589723

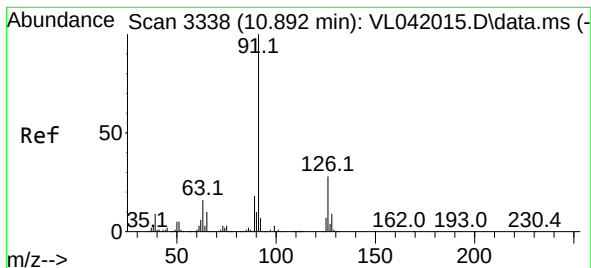
Ion Ratio Lower Upper

91 100

92 54.5 43.8 65.8

134 21.9 18.6 27.8





#71

2-Chlorotoluene

Concen: 9.777 ppbv

RT: 10.888 min Scan# 31

Delta R.T. -0.004 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Instrument :

MSVOA_L

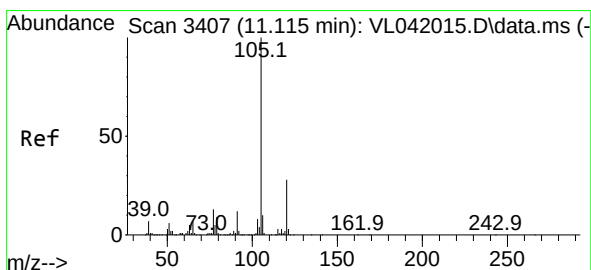
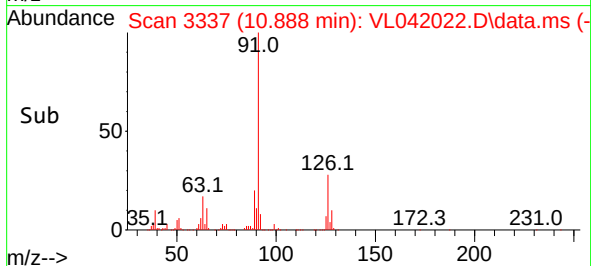
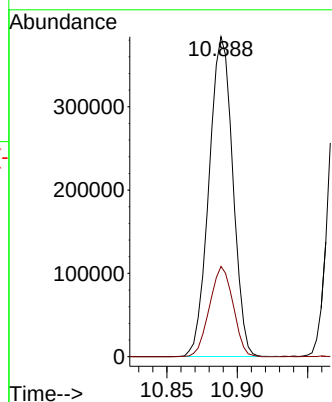
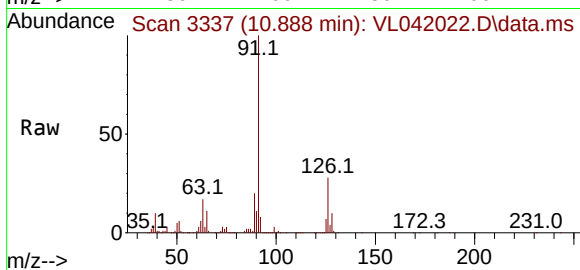
ClientSampleId :

Tgt Ion: 91 Resp: 450695

Ion Ratio Lower Upper

91 100

126 27.9 11.2 45.0



#72

4-Ethyltoluene

Concen: 9.915 ppbv

RT: 11.112 min Scan# 3406

Delta R.T. -0.004 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Tgt Ion: 105 Resp: 473599

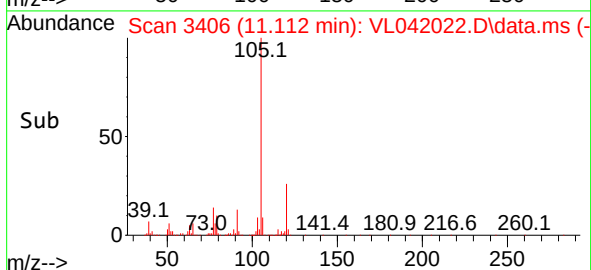
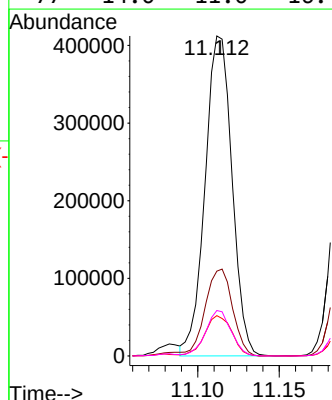
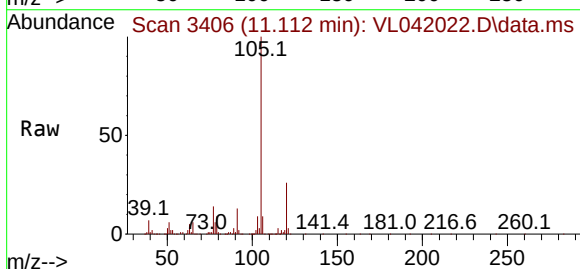
Ion Ratio Lower Upper

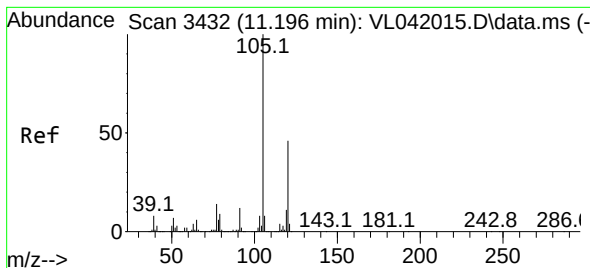
105 100

120 28.5 22.7 34.1

91 13.2 10.2 15.2

77 14.0 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 9.751 ppbv

RT: 11.193 min Scan# 3432

Delta R.T. -0.004 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Instrument :

MSVOA_L

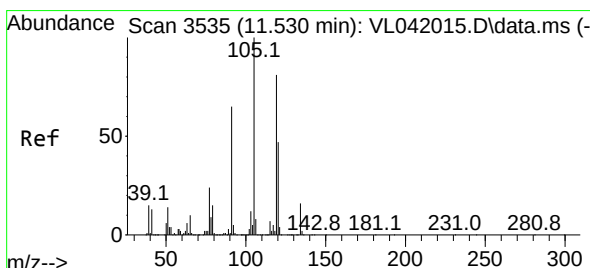
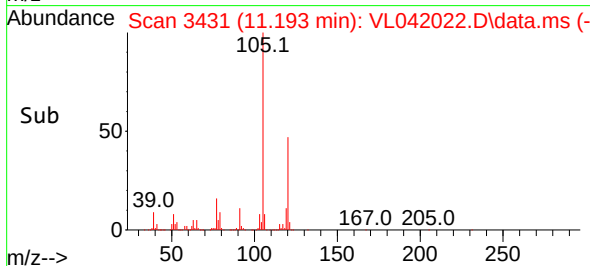
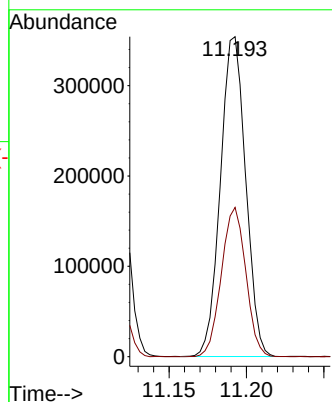
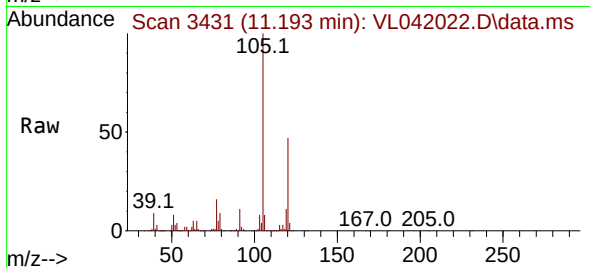
ClientSampleId :

Tgt Ion:105 Resp: 401786

Ion Ratio Lower Upper

105 100

120 46.6 37.1 55.7



#74

1,2,4-Trimethylbenzene

Concen: 9.669 ppbv

RT: 11.526 min Scan# 3534

Delta R.T. -0.004 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Tgt Ion:105 Resp: 427598

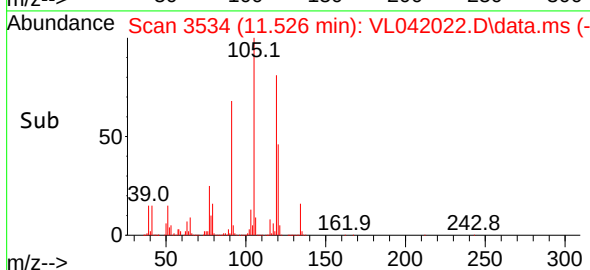
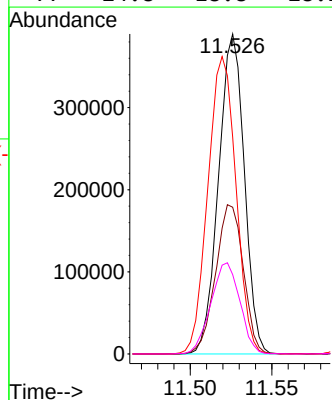
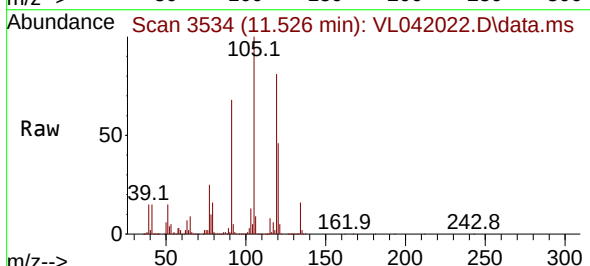
Ion Ratio Lower Upper

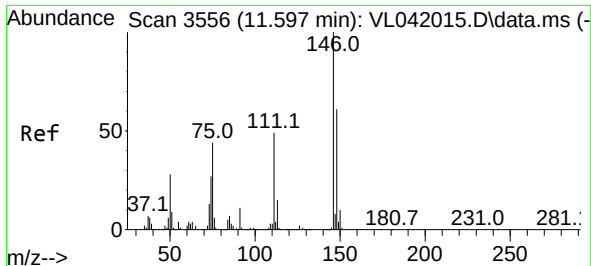
105 100

120 45.8 37.5 56.3

91 67.7 51.7 77.5

77 24.8 18.8 28.2

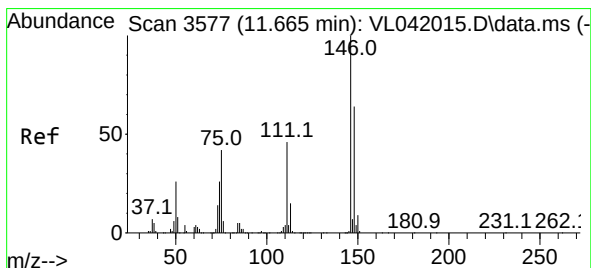
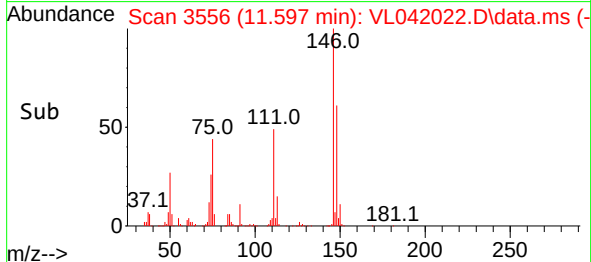
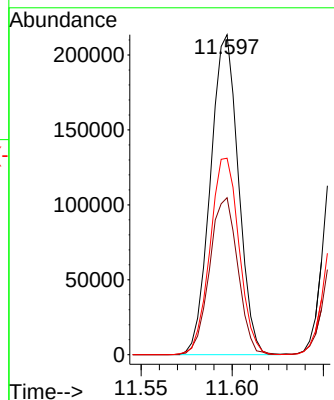
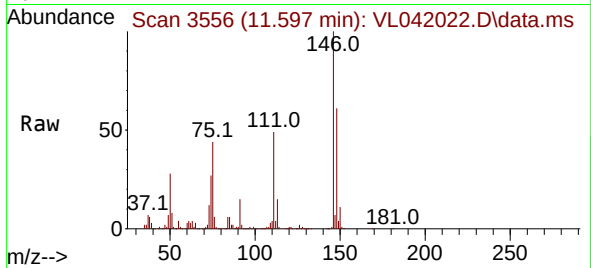




#75
1,3-Dichlorobenzene
Concen: 9.570 ppbv
RT: 11.597 min Scan# 3556
Delta R.T. -0.000 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

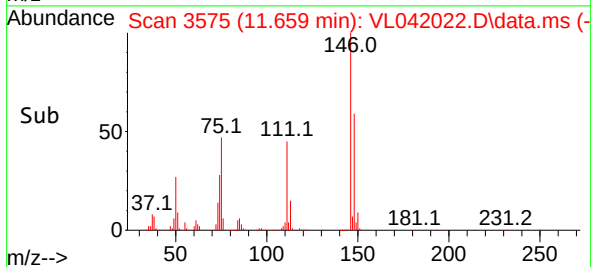
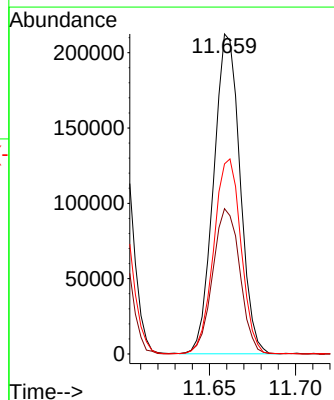
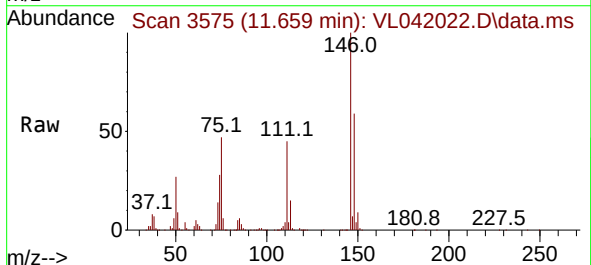
Instrument :
MSVOA_L
ClientSampleId :

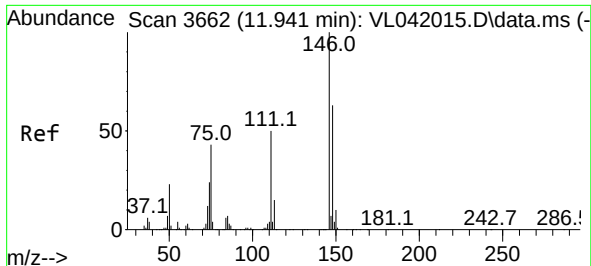
Tgt Ion:146 Resp: 227808
Ion Ratio Lower Upper
146 100
111 49.5 23.9 71.7
148 63.8 31.5 94.5



#76
1,4-Dichlorobenzene
Concen: 9.751 ppbv
RT: 11.659 min Scan# 3575
Delta R.T. -0.007 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion:146 Resp: 226367
Ion Ratio Lower Upper
146 100
111 47.1 23.5 70.5
148 63.3 32.3 96.9

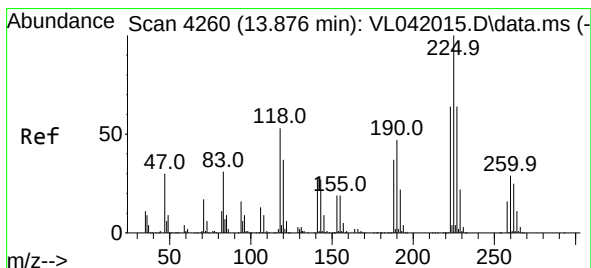
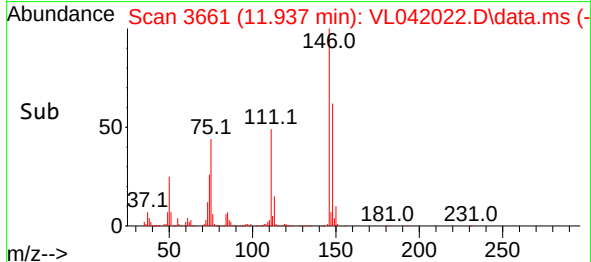
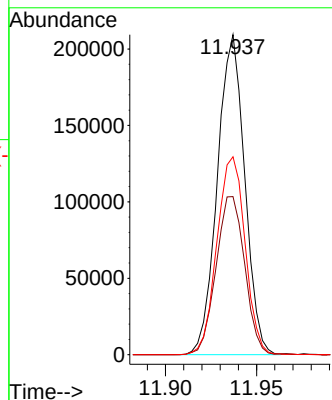
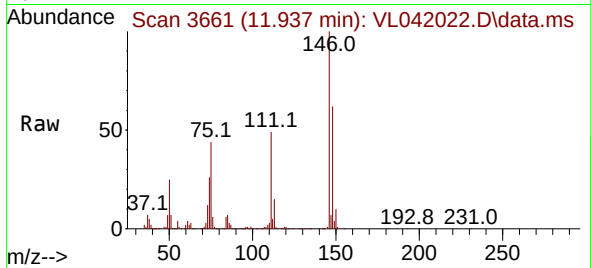




#77
1,2-Dichlorobenzene
Concen: 9.609 ppbv
RT: 11.937 min Scan# 30
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

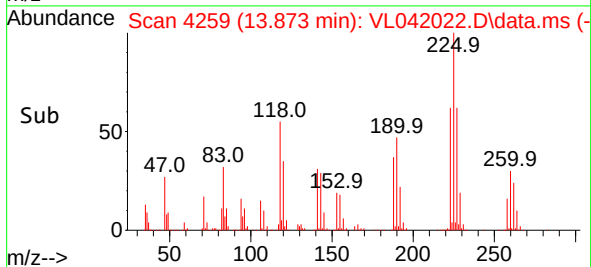
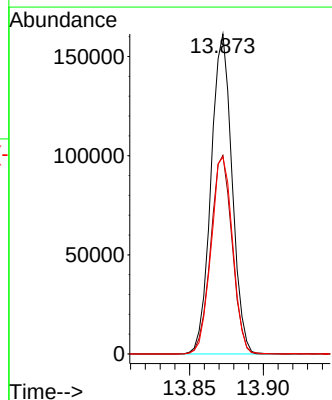
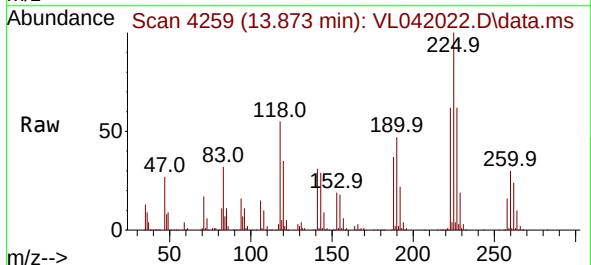
Instrument :
MSVOA_L
ClientSampleId :

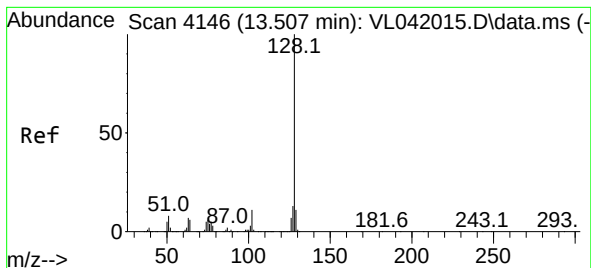
Tgt Ion:146 Resp: 218652
Ion Ratio Lower Upper
146 100
111 51.8 25.6 76.8
148 63.7 31.9 95.7



#78
Hexachloro-1,3-Butadiene
Concen: 8.483 ppbv
RT: 13.873 min Scan# 4259
Delta R.T. -0.004 min
Lab File: VL042022.D
Acq: 14 Feb 2025 16:10

Tgt Ion:225 Resp: 159701
Ion Ratio Lower Upper
225 100
223 63.3 50.6 75.8
227 63.1 50.9 76.3





#79

Naphthalene

Concen: 7.983 ppbv

RT: 13.504 min Scan# 4146

Delta R.T. -0.004 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Instrument :

MSVOA_L

ClientSampleId :

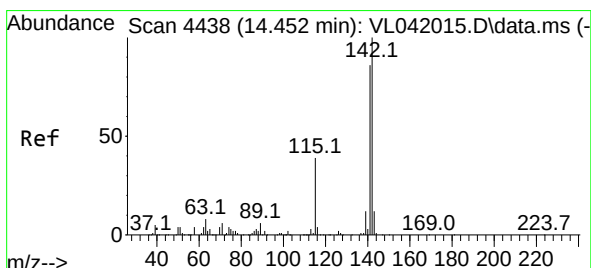
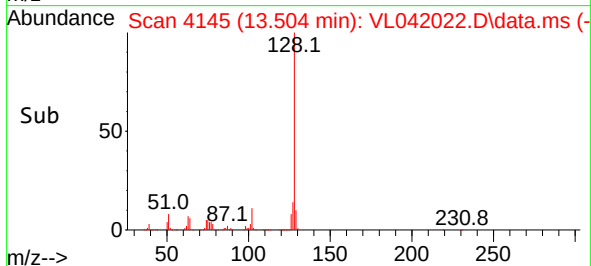
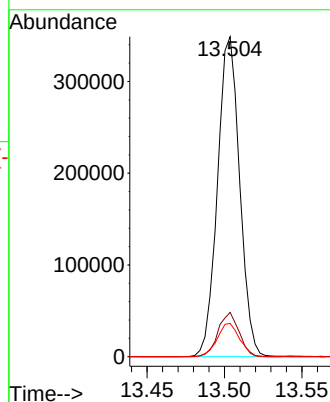
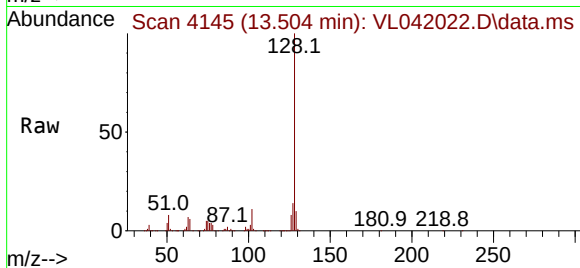
Tgt Ion:128 Resp: 347250

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.2

129 10.4 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 6.010 ppbv

RT: 14.449 min Scan# 4437

Delta R.T. -0.004 min

Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

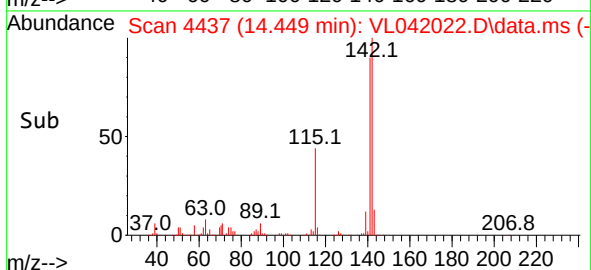
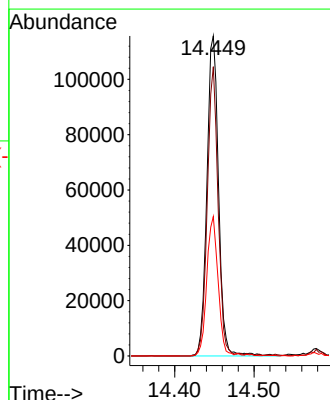
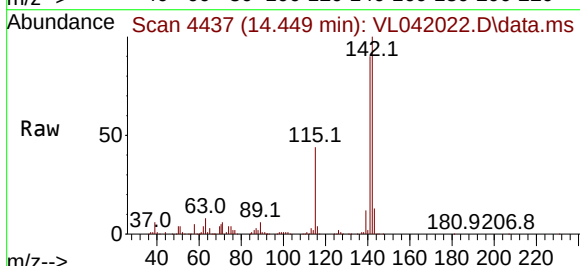
Tgt Ion:142 Resp: 118357

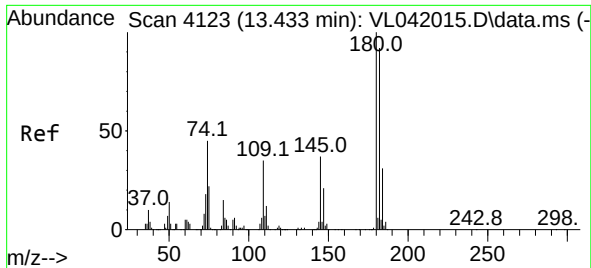
Ion Ratio Lower Upper

142 100

141 85.0 68.2 102.2

115 43.0 33.6 50.4





#81

1,2,4-Trichlorobenzene

Concen: 8.658 ppbv

RT: 13.429 min Scan# 41

Delta R.T. -0.004 min

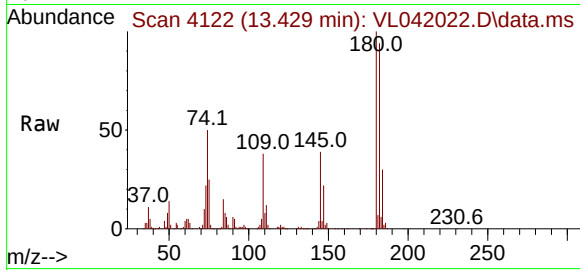
Lab File: VL042022.D

Acq: 14 Feb 2025 16:10

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 153107

Ion Ratio Lower Upper

180 100

182 95.9 75.8 113.6

184 29.9 24.2 36.4

