

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
 Data File : VL041236.D
 Acq On : 8 May 2024 10:02
 Operator : SY/MD
 Sample : VL0508ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0508ABS01

Quant Time: May 09 02:50:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu May 09 02:43:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	874595	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.677	114	2289294	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2755476	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.799	95	1694627	8.146	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.745	85	1233896	10.430	ppbv	100
3) Chlorodifluoromethane	2.690	51	1377481	10.370	ppbv	98
4) Chloromethane	2.829	50	525465	10.081	ppbv	92
5) Vinyl Chloride	2.935	62	544008	10.390	ppbv	98
6) Bromomethane	3.137	94	198516	10.391	ppbv	89
7) Chloroethane	3.214	64	186046	10.064	ppbv	97
8) Dichlorotetrafluoroethane	2.874	85	1244802	10.166	ppbv	96
9) Propene	2.710	41	480127	9.236	ppbv	97
10) Heptane	7.603	43	1224767	9.725	ppbv	100
11) Trichlorofluoromethane	3.581	101	1308364	10.882	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.083	101	918389	10.329	ppbv	99
13) Ethanol	3.253	45	124372	10.673	ppbv	97
14) Bromoethene	3.382	108	373282	10.173	ppbv	98
15) Acetone	3.484	43	977469	9.470	ppbv	98
16) 1,3-Butadiene	3.002	39	542373	10.409	ppbv	97
17) tert-Butyl alcohol	3.896	59	968738	8.700	ppbv	97
18) 1,1-Dichloroethene	3.899	96	424056	10.697	ppbv	94
19) Isopropyl Alcohol	3.591	45	729455	10.770	ppbv	# 44
20) Methylene Chloride	3.951	84	350984	9.778	ppbv	97
21) Allyl Chloride	4.015	41	666304	9.900	ppbv	97
22) trans-1,2-Dichloroethene	4.465	96	423312	10.268	ppbv	98
23) Vinyl Acetate	4.645	43	1134589	9.982	ppbv	98
24) 1,1-Dichloroethane	4.584	63	925759	10.475	ppbv	99
25) Ethyl Acetate	5.224	43	2034954	9.877	ppbv	100
26) Hexane	5.234	57	895096	9.736	ppbv	98
27) Carbon Disulfide	4.144	76	1109363	10.193	ppbv	98
28) Methyl tert-Butyl Ether	4.603	73	685703	9.367	ppbv	100
29) Chloroform	5.295	83	1372227	10.819	ppbv	96
30) Cyclohexane	6.623	84	749919	10.304	ppbv	98
31) cis-1,2-Dichloroethene	5.099	61	901674	10.476	ppbv	96
32) 1,1,1-Trichloroethane	6.025	97	1348635	10.657	ppbv	99
34) 2-Butanone	4.806	43	1145997	9.835	ppbv	99
35) Carbon Tetrachloride	6.516	117	1378966	10.733	ppbv	99
36) Benzene	6.394	78	1881913	9.796	ppbv	98
37) 1,2-Dichloroethane	5.828	62	1067398	10.649	ppbv	100
38) Trichloroethene	7.314	130	730520	10.204	ppbv	96
39) 1,2-Dichloropropane	7.098	63	733279	9.904	ppbv	98
40) 1,4-Dioxane	7.307	88	308583	11.666	ppbv	76
41) Tetrahydrofuran	5.578	42	797948	9.460	ppbv	99
42) Bromodichloromethane	7.272	83	1550256	10.784	ppbv	99
43) Methyl Methacrylate	7.497	69	771221	9.925	ppbv	99
44) 2,2,4-Trimethylpentane	7.349	57	3170639	9.572	ppbv	100
45) t-1,3-Dichloropropene	8.735	75	577297	10.253	ppbv	97

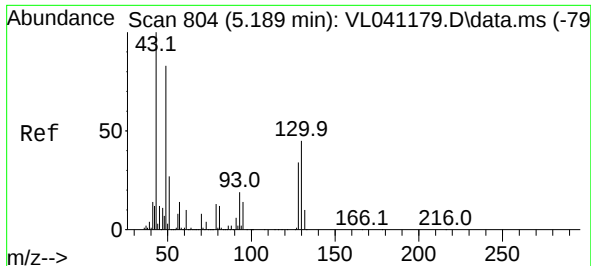
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
 Data File : VL041236.D
 Acq On : 8 May 2024 10:02
 Operator : SY/MD
 Sample : VL0508SBS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
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 VL0508ABS01

Quant Time: May 09 02:50:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu May 09 02:43:03 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.169	75	696153	10.099	ppbv	97
47) 1,1,2-Trichloroethane	8.922	97	769039	10.378	ppbv	98
48) Dibromochloromethane	9.735	129	1285252	10.885	ppbv	98
49) Bromoform	12.436	173	1081773	10.770	ppbv	100
50) 4-Methyl-2-Pentanone	8.205	43	1999163	9.560	ppbv	100
51) 2-Hexanone	9.574	43	1468322	9.467	ppbv #	98
52) Tetrachloroethene	10.642	164	665018	9.849	ppbv	97
53) Toluene	9.243	91	2207083	9.908	ppbv	99
54) 1,2-Dibromoethane	10.034	107	1069283	10.653	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.532	131	941477	8.426	ppbv	98
57) Chlorobenzene	11.552	112	1646115	8.157	ppbv	95
58) Ethyl Benzene	12.114	91	2947414	7.801	ppbv	98
59) m/p-Xylene	12.394	91	2533700	7.979	ppbv #	33
60) o-Xylene	13.085	91	2339788	7.860	ppbv	99
61) Styrene	12.925	104	1285950	8.178	ppbv	99
62) Isopropylbenzene	14.056	105	3512099	7.888	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.073	83	1638403	8.075	ppbv	99
64) n-propylbenzene	14.941	120	923460	8.314	ppbv	98
65) tert-Butylbenzene	16.114	119	3063874	7.683	ppbv	99
66) Benzyl Chloride	16.352	91	247651	5.486	ppbv	100
67) sec-Butylbenzene	16.661	105	4396817	7.832	ppbv	98
69) p-Isopropyltoluene	17.021	119	3660835	7.913	ppbv	100
70) n-Butylbenzene	17.912	91	3829495	7.926	ppbv	99
71) 2-Chlorotoluene	14.825	91	2706191	7.983	ppbv	98
72) 4-Ethyltoluene	15.217	105	2818445	8.359	ppbv	99
73) 1,3,5-Trimethylbenzene	15.378	105	2472212	8.104	ppbv	99
74) 1,2,4-Trimethylbenzene	16.133	105	2709778	8.133	ppbv	99
75) 1,3-Dichlorobenzene	16.359	146	1605394	8.403	ppbv	99
76) 1,4-Dichlorobenzene	16.497	146	1560486	8.494	ppbv	99
77) 1,2-Dichlorobenzene	17.169	146	1562725	8.183	ppbv	98
78) Hexachloro-1,3-Butadiene	22.664	225	1109777	6.539	ppbv	99
79) Naphthalene	21.407	128	1336666	4.213	ppbv	100
80) Naphthalene,2-methyl-	24.397	142	880079	6.895	ppbv	98
81) 1,2,4-Trichlorobenzene	21.165	180	1303207	7.779	ppbv	100

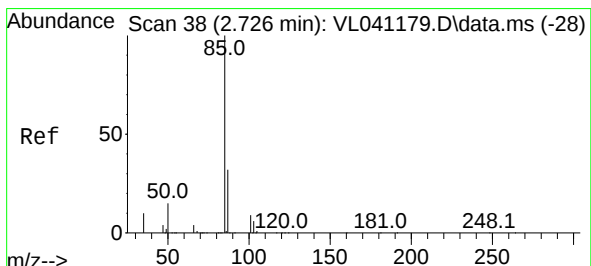
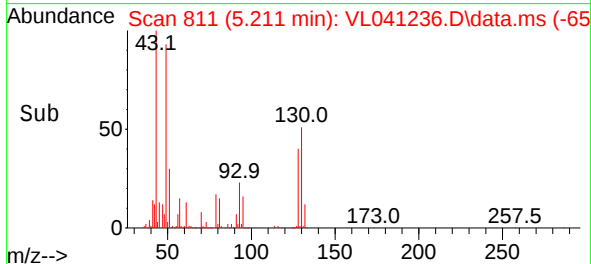
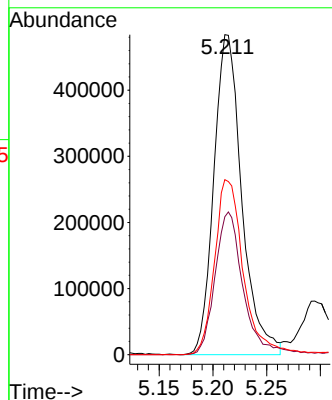
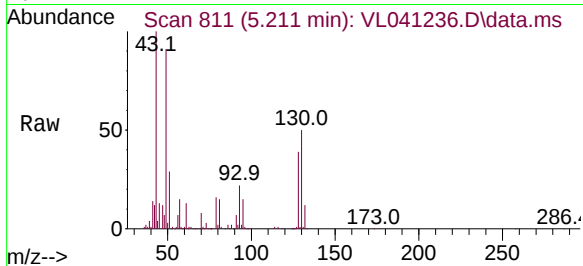
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.211 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VL041236.D
 Acq: 8 May 2024 10:02

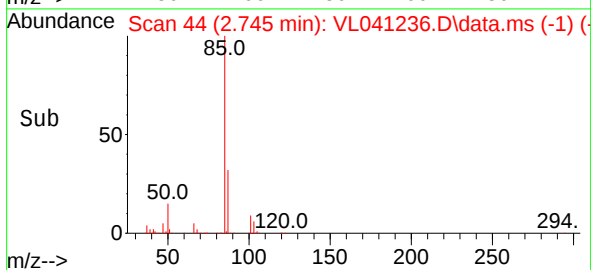
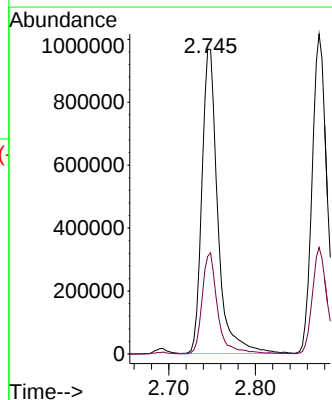
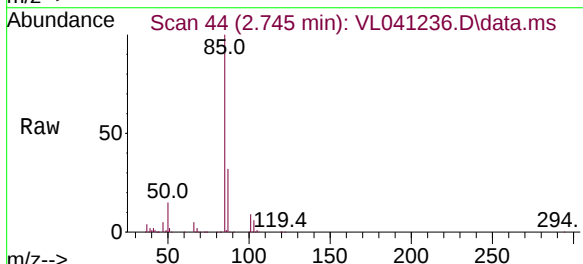
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0508ABS01

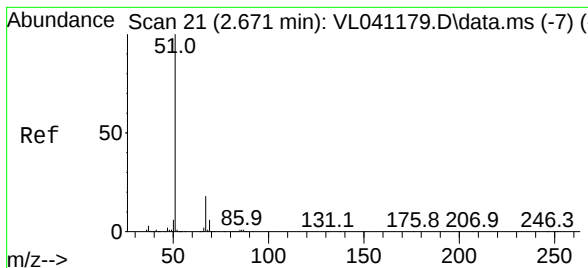
Tgt Ion: 49 Resp: 874595
 Ion Ratio Lower Upper
 49 100
 128 45.4 21.5 64.5
 130 57.8 27.2 81.6



#2
 Dichlorodifluoromethane
 Concen: 10.430 ppbv
 RT: 2.745 min Scan# 44
 Delta R.T. -0.000 min
 Lab File: VL041236.D
 Acq: 8 May 2024 10:02

Tgt Ion: 85 Resp: 1233896
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.7 38.5

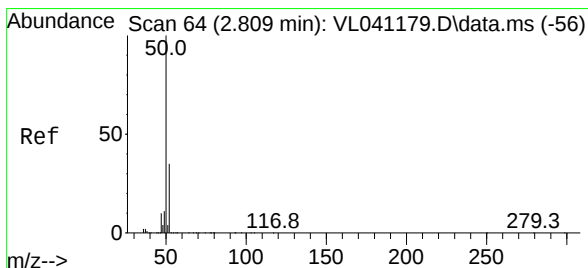
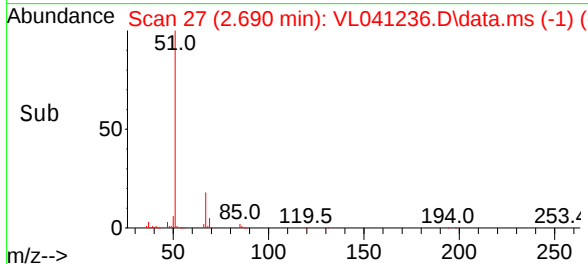
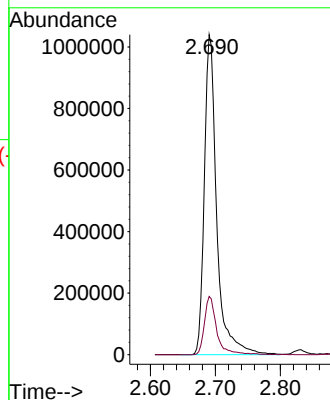
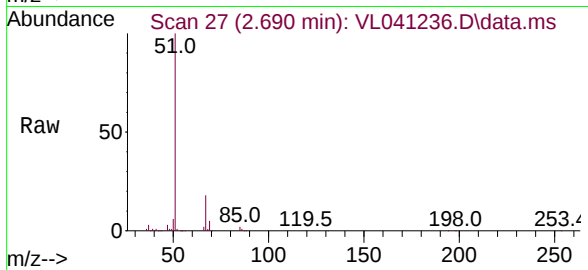




#3
Chlorodifluoromethane
Concen: 10.370 ppbv
RT: 2.690 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

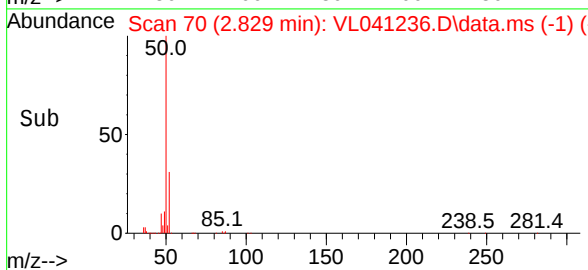
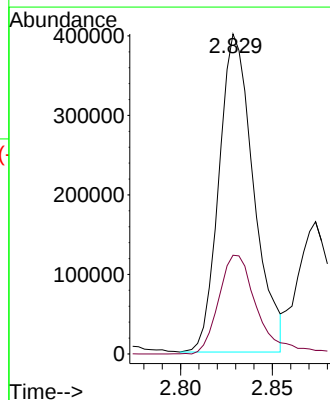
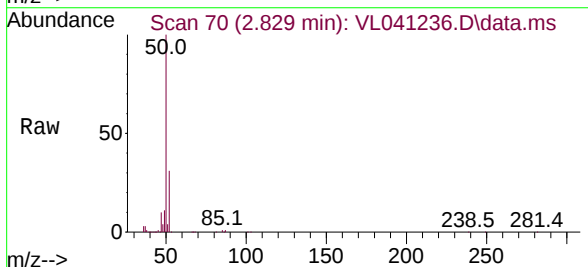
Instrument :
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ClientSampleId :
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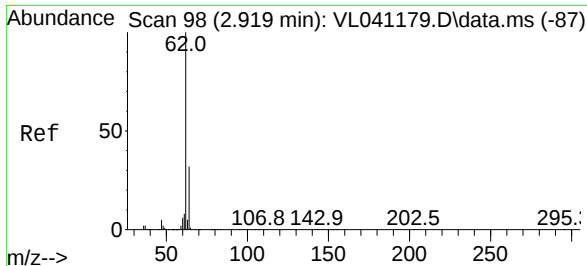
Tgt Ion: 51 Resp: 1377481
Ion Ratio Lower Upper
51 100
67 18.2 14.0 21.0



#4
Chloromethane
Concen: 10.081 ppbv
RT: 2.829 min Scan# 70
Delta R.T. -0.003 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

Tgt Ion: 50 Resp: 525465
Ion Ratio Lower Upper
50 100
52 31.0 28.3 42.5

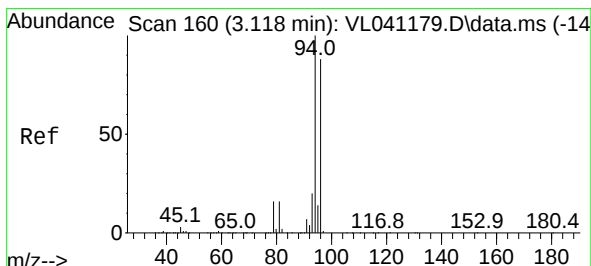
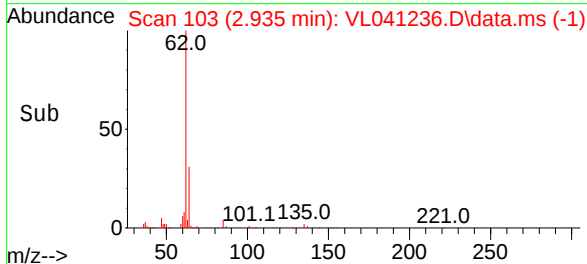
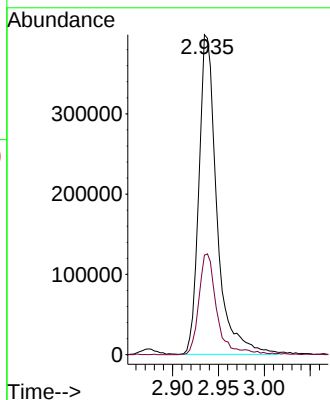
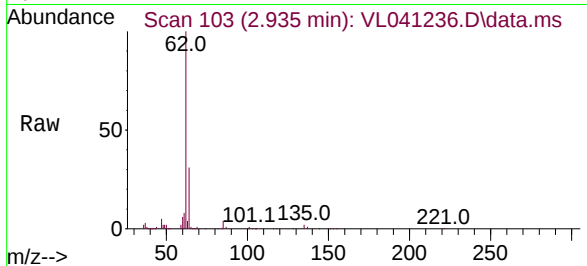




#5
Vinyl Chloride
Concen: 10.390 ppbv
RT: 2.935 min Scan# 103
Delta R.T. -0.003 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

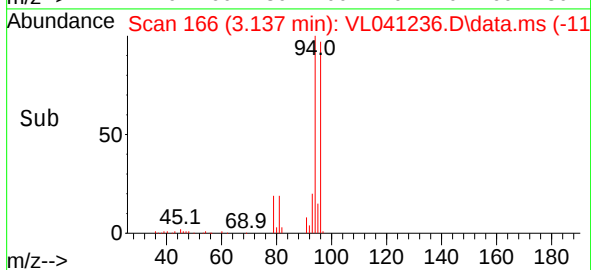
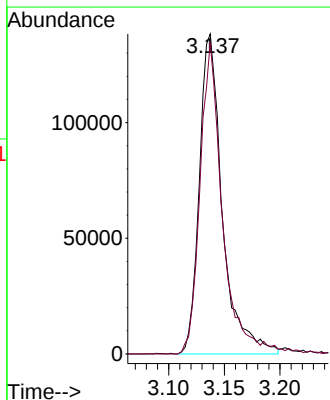
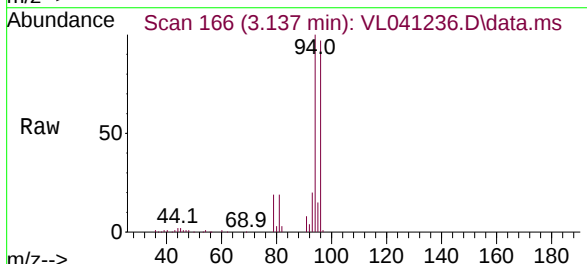
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ClientSampleId :
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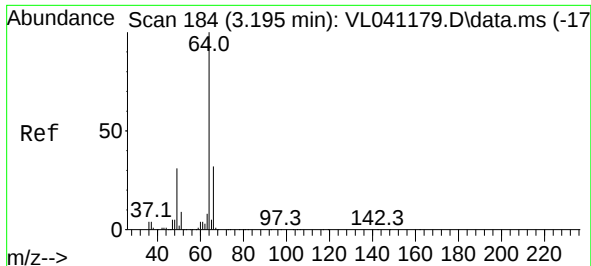
Tgt Ion: 62 Resp: 544008
Ion Ratio Lower Upper
62 100
64 31.1 25.7 38.5



#6
Bromomethane
Concen: 10.391 ppbv
RT: 3.137 min Scan# 166
Delta R.T. -0.000 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

Tgt Ion: 94 Resp: 198516
Ion Ratio Lower Upper
94 100
96 97.4 70.1 105.1

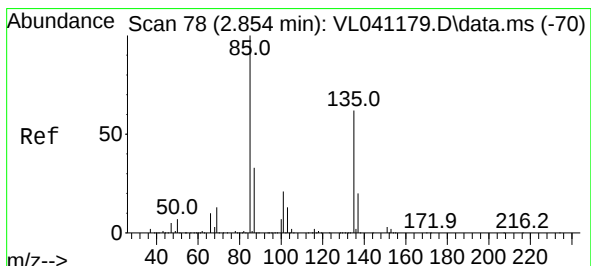
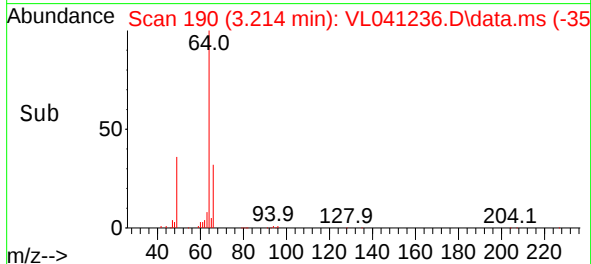
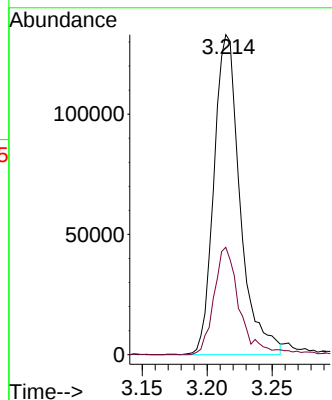
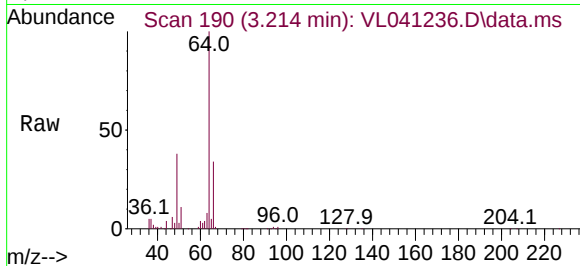




#7
Chloroethane
Concen: 10.064 ppbv
RT: 3.214 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

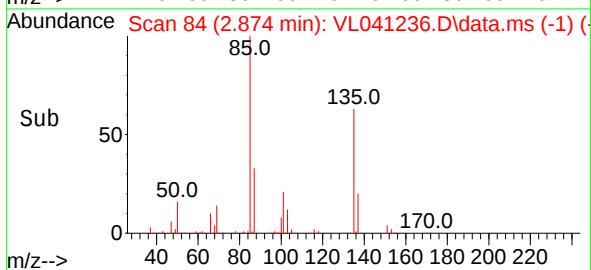
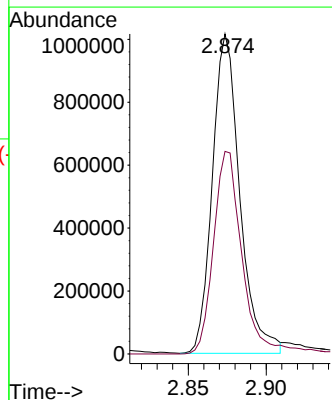
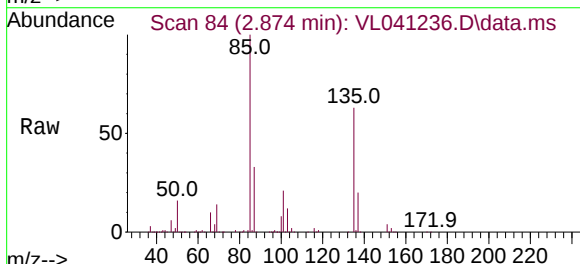
Instrument :
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ClientSampleId :
VL0508ABS01

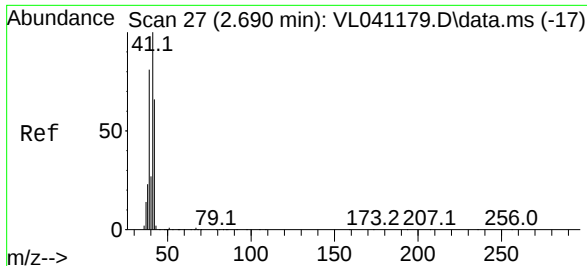
Tgt Ion: 64 Resp: 186046
Ion Ratio Lower Upper
64 100
66 33.5 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 10.166 ppbv
RT: 2.874 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

Tgt Ion: 85 Resp: 1244802
Ion Ratio Lower Upper
85 100
135 67.5 51.5 77.3





#9

Propene

Concen: 9.236 ppbv

RT: 2.710 min Scan# 30

Delta R.T. -0.000 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_1

ClientSampleId :

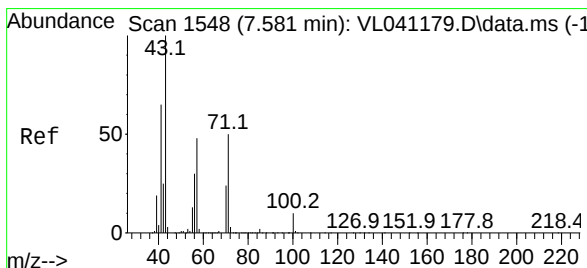
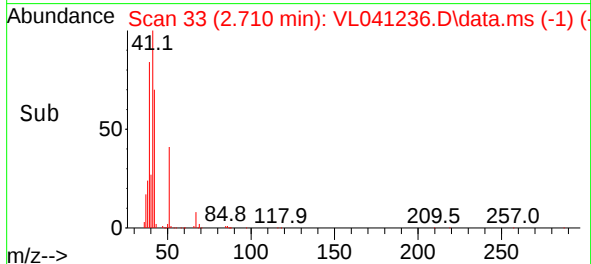
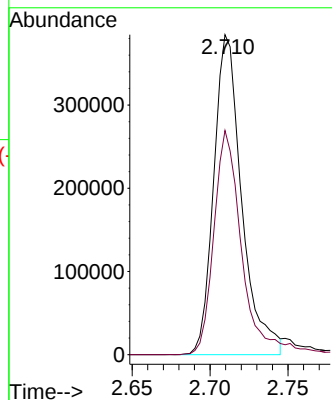
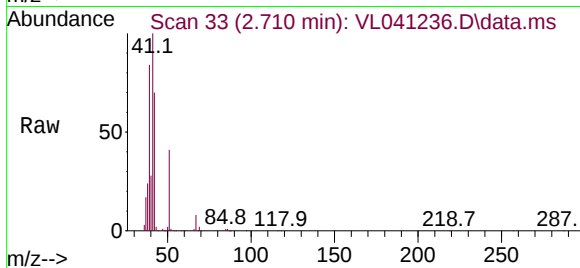
VL0508ABS01

Tgt Ion: 41 Resp: 480127

Ion Ratio Lower Upper

41 100

42 71.4 55.3 82.9



#10

Heptane

Concen: 9.725 ppbv

RT: 7.603 min Scan# 1555

Delta R.T. 0.003 min

Lab File: VL041236.D

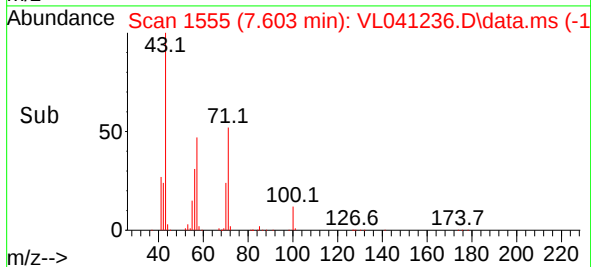
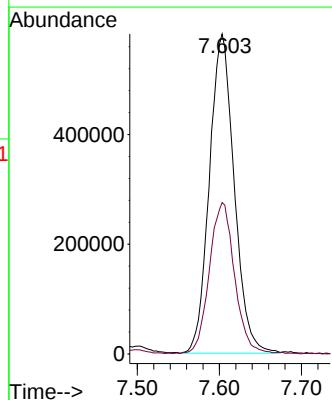
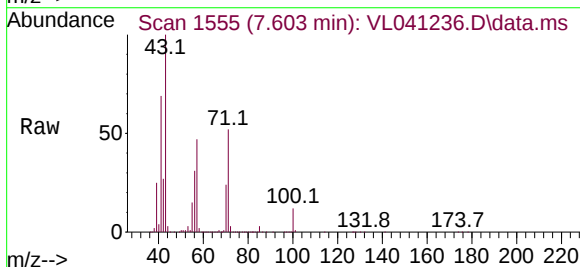
Acq: 8 May 2024 10:02

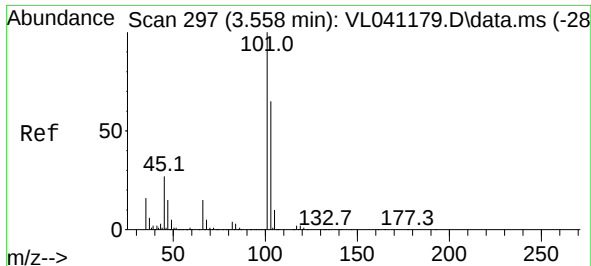
Tgt Ion: 43 Resp: 1224767

Ion Ratio Lower Upper

43 100

57 48.3 38.7 58.1





#11

Trichlorofluoromethane

Concen: 10.882 ppbv

RT: 3.581 min Scan# 304

Delta R.T. -0.000 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_L

ClientSampleId :

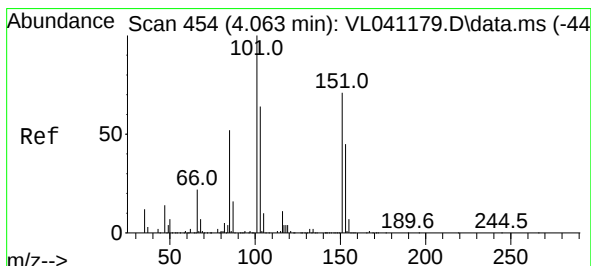
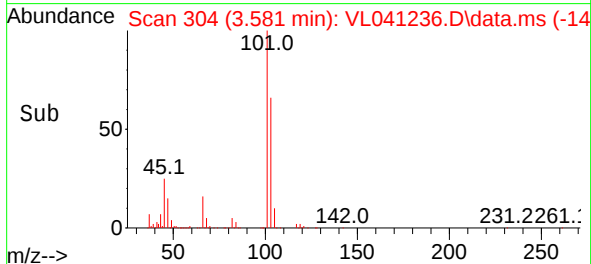
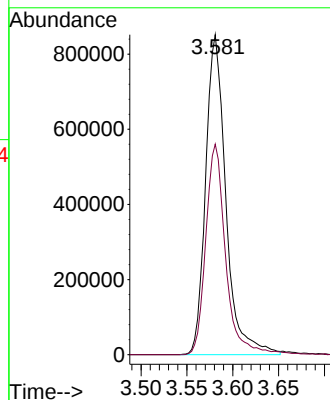
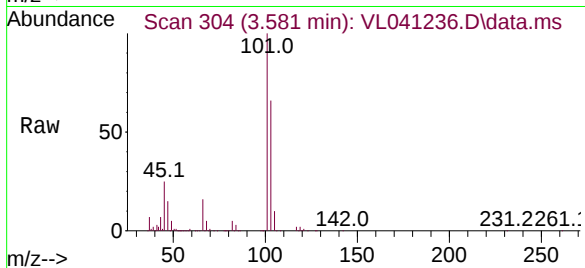
VL0508ABS01

Tgt Ion:101 Resp: 1308364

Ion Ratio Lower Upper

101 100

103 65.8 51.6 77.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.329 ppbv

RT: 4.083 min Scan# 460

Delta R.T. -0.000 min

Lab File: VL041236.D

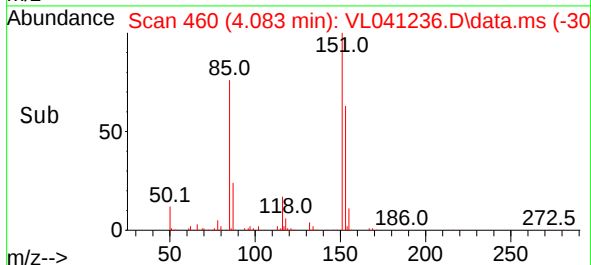
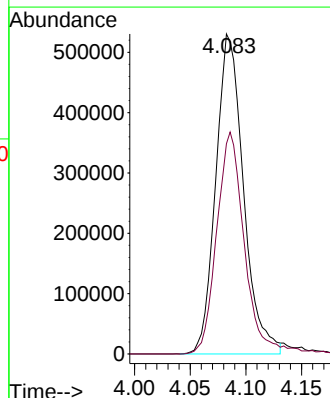
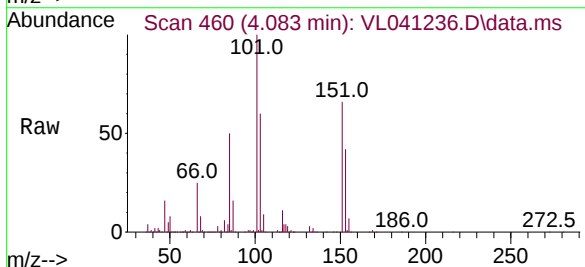
Acq: 8 May 2024 10:02

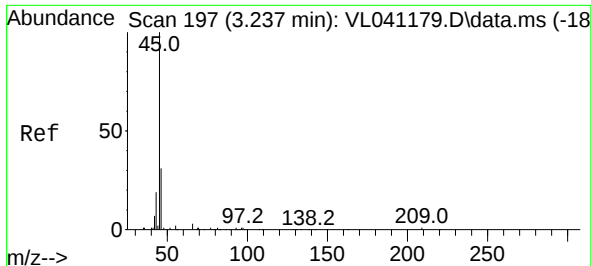
Tgt Ion:101 Resp: 918389

Ion Ratio Lower Upper

101 100

151 70.1 56.8 85.2





#13

Ethanol

Concen: 10.673 ppbv

RT: 3.253 min Scan# 20

Delta R.T. -0.003 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_L

ClientSampleId :

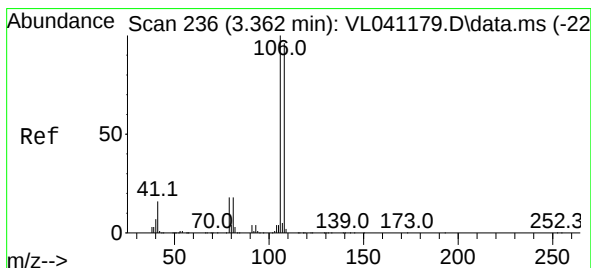
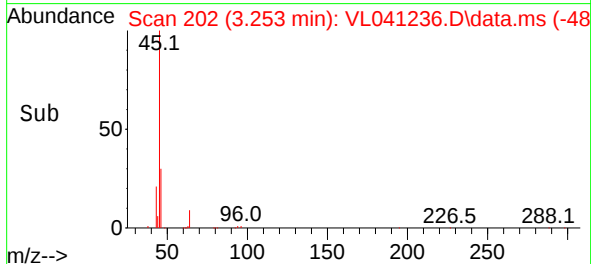
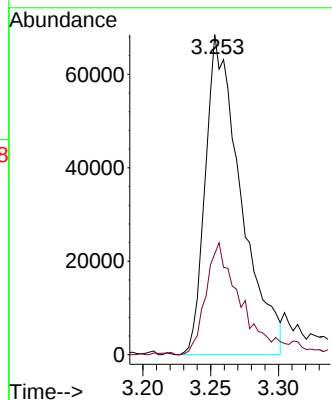
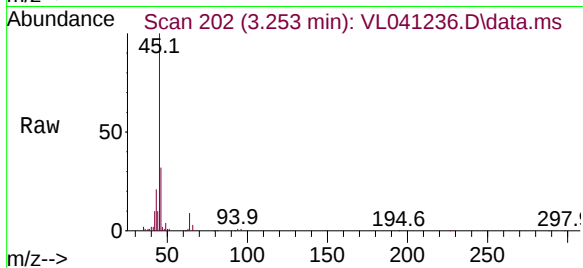
VL0508ABS01

Tgt Ion: 45 Resp: 124372

Ion Ratio Lower Upper

45 100

46 38.4 14.8 59.0



#14

Bromoethene

Concen: 10.173 ppbv

RT: 3.382 min Scan# 242

Delta R.T. -0.003 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

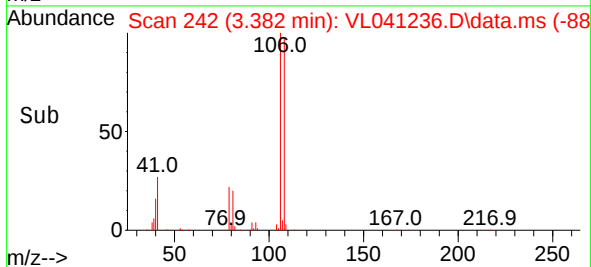
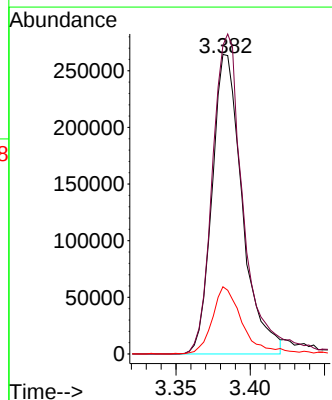
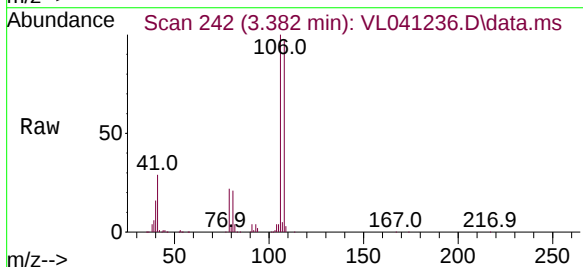
Tgt Ion:108 Resp: 373282

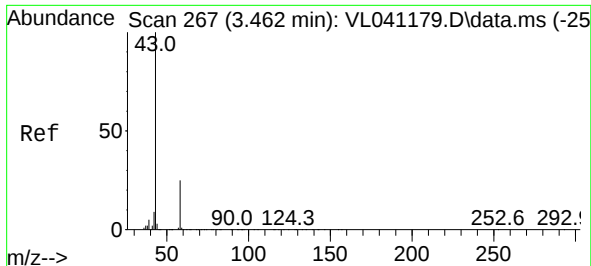
Ion Ratio Lower Upper

108 100

106 112.5 88.2 132.4

79 23.3 17.4 26.0





#15

Acetone

Concen: 9.470 ppbv

RT: 3.484 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_L

ClientSampleId :

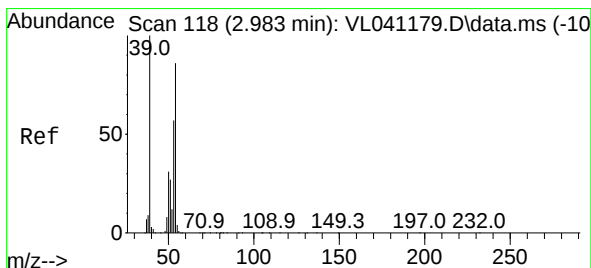
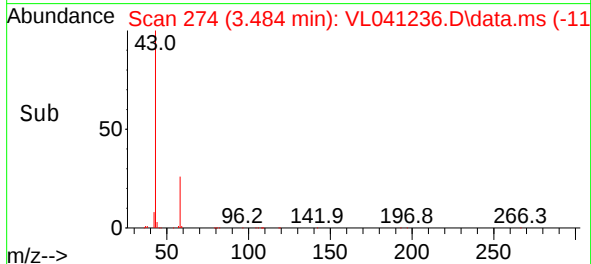
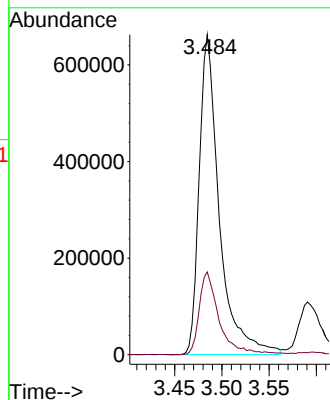
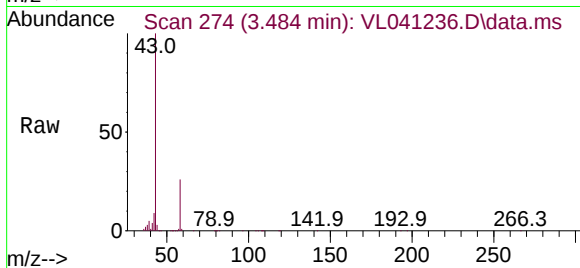
VL0508ABS01

Tgt Ion: 43 Resp: 977469

Ion Ratio Lower Upper

43 100

58 25.8 21.4 32.0



#16

1,3-Butadiene

Concen: 10.409 ppbv

RT: 3.002 min Scan# 124

Delta R.T. -0.000 min

Lab File: VL041236.D

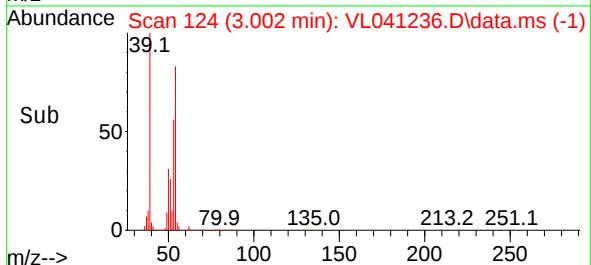
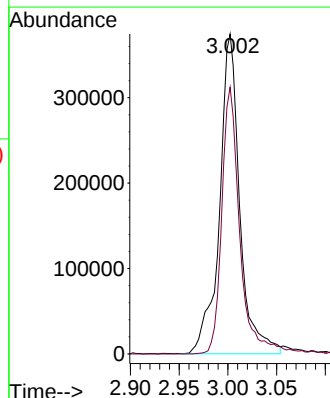
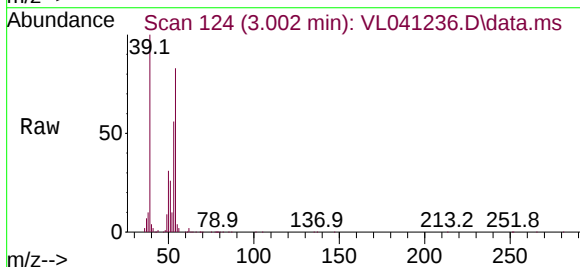
Acq: 8 May 2024 10:02

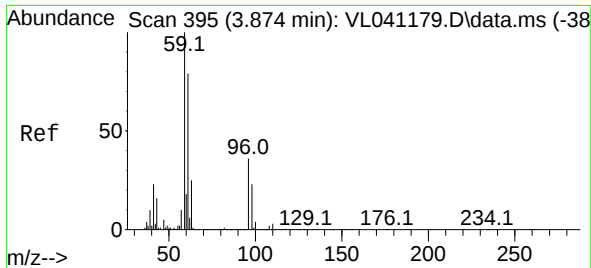
Tgt Ion: 39 Resp: 542373

Ion Ratio Lower Upper

39 100

54 75.3 62.2 93.4

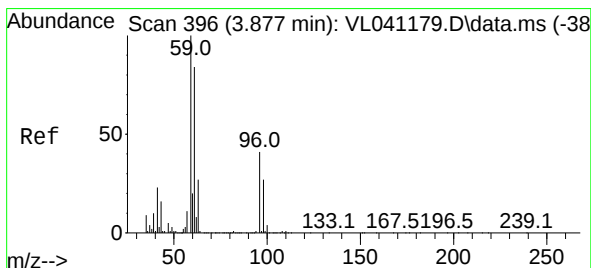
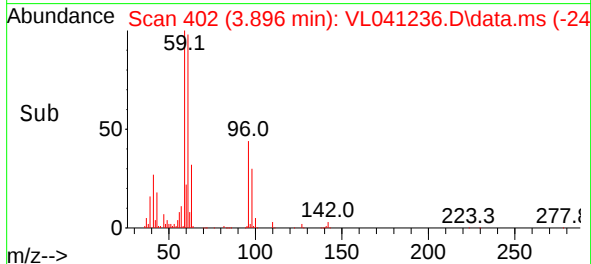
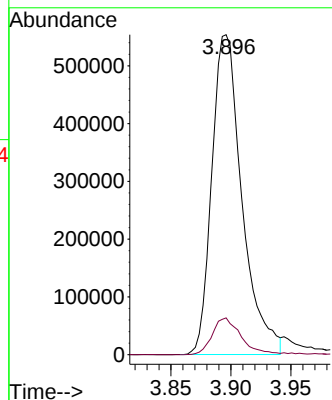
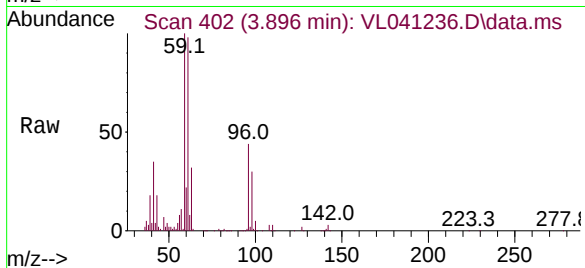




#17
tert-Butyl alcohol
Concen: 8.700 ppbv
RT: 3.896 min Scan# 402
Delta R.T. -0.000 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

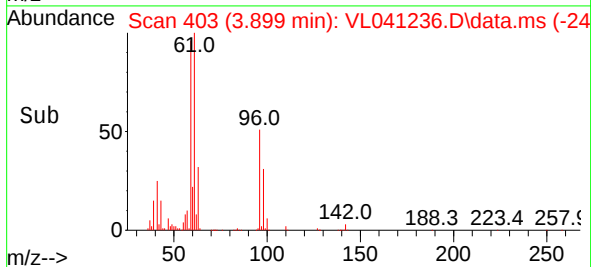
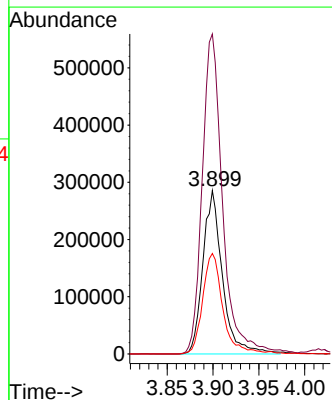
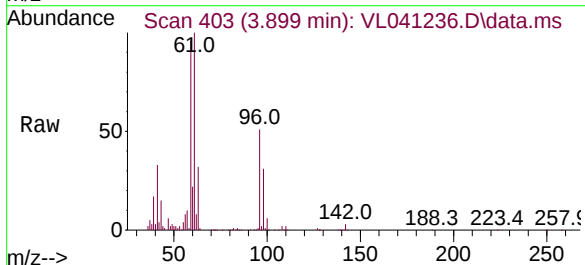
Instrument :
MSVOA_L
ClientSampleId :
VL0508ABS01

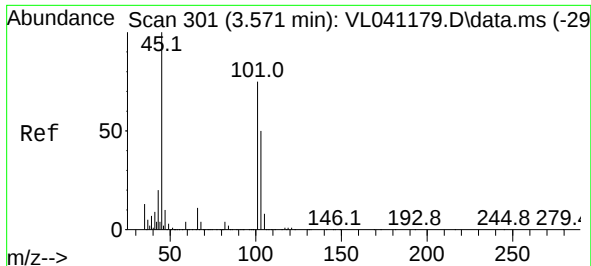
Tgt Ion: 59 Resp: 968738
Ion Ratio Lower Upper
59 100
57 11.5 8.4 12.6



#18
1,1-Dichloroethene
Concen: 10.697 ppbv
RT: 3.899 min Scan# 403
Delta R.T. 0.003 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

Tgt Ion: 96 Resp: 424056
Ion Ratio Lower Upper
96 100
61 195.7 164.4 246.6
98 61.5 51.8 77.8





#19

Isopropyl Alcohol

Concen: 10.770 ppbv

RT: 3.591 min Scan# 301

Delta R.T. -0.000 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_L

ClientSampleId :

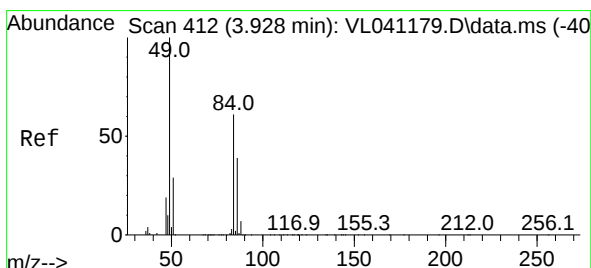
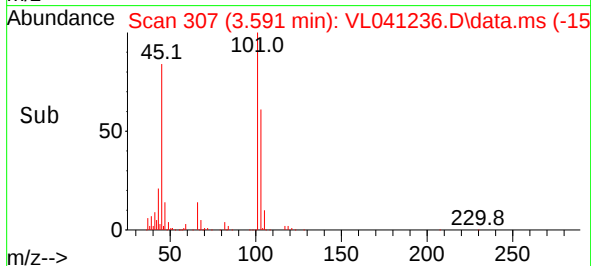
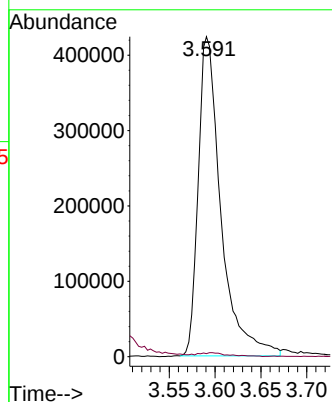
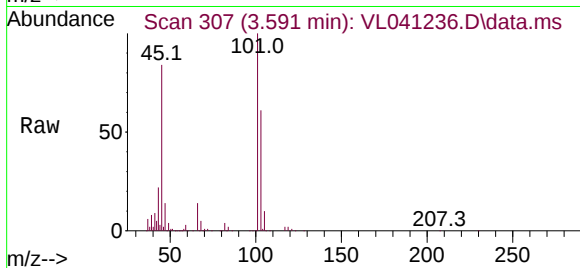
VL0508ABS01

Tgt Ion: 45 Resp: 729455

Ion Ratio Lower Upper

45 100

58 1.6 26.8 40.2#



#20

Methylene Chloride

Concen: 9.778 ppbv

RT: 3.951 min Scan# 419

Delta R.T. -0.000 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Tgt Ion: 84 Resp: 350984

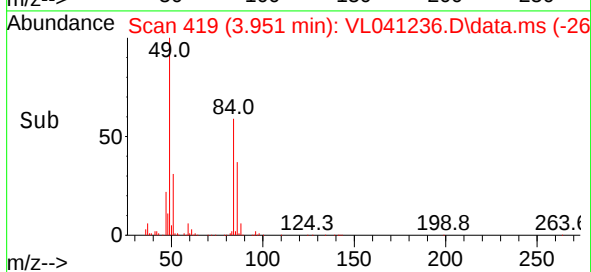
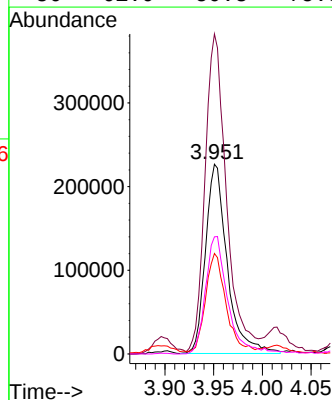
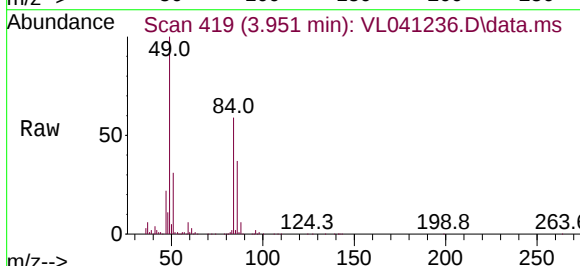
Ion Ratio Lower Upper

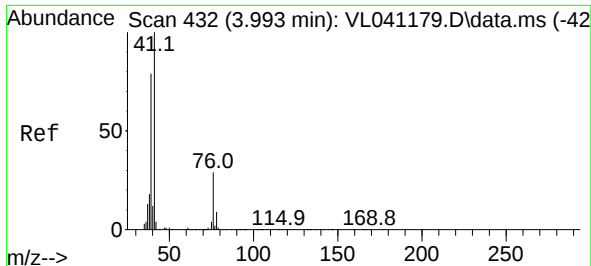
84 100

49 166.6 130.4 195.6

51 51.8 38.0 57.0

86 61.9 50.3 75.5

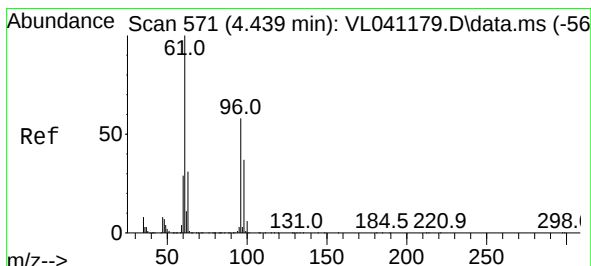
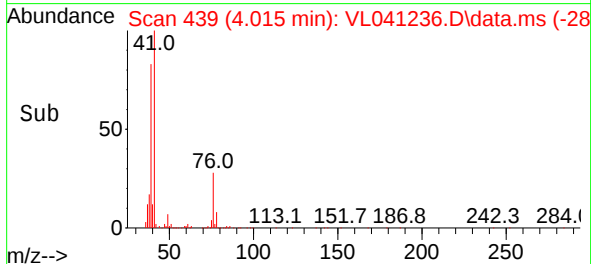
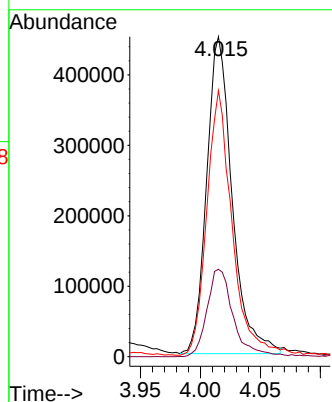
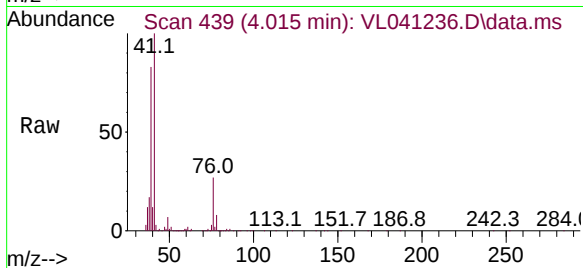




#21
Allyl Chloride
Concen: 9.900 ppbv
RT: 4.015 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

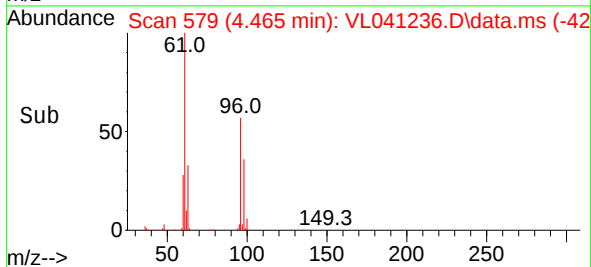
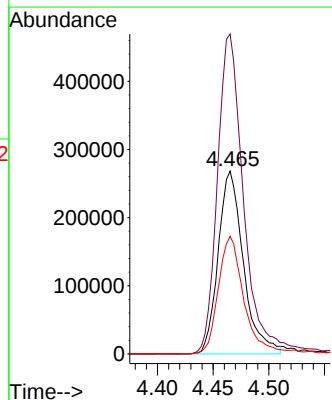
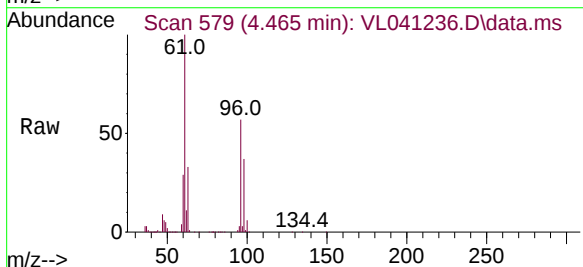
Instrument :
MSVOA_L
ClientSampleId :
VL0508ABS01

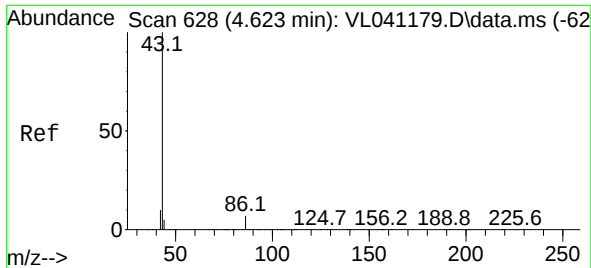
Tgt Ion: 41 Resp: 666304
Ion Ratio Lower Upper
41 100
76 28.7 23.7 35.5
39 84.0 64.7 97.1



#22
trans-1,2-Dichloroethene
Concen: 10.268 ppbv
RT: 4.465 min Scan# 579
Delta R.T. 0.003 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

Tgt Ion: 96 Resp: 423312
Ion Ratio Lower Upper
96 100
61 175.0 137.6 206.4
98 64.3 50.6 76.0

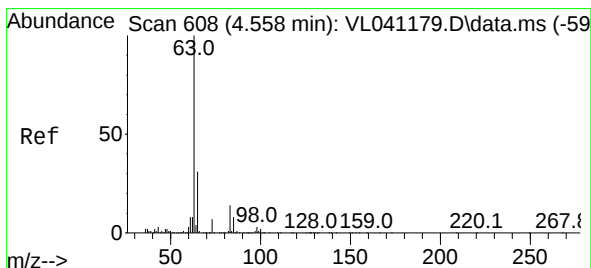
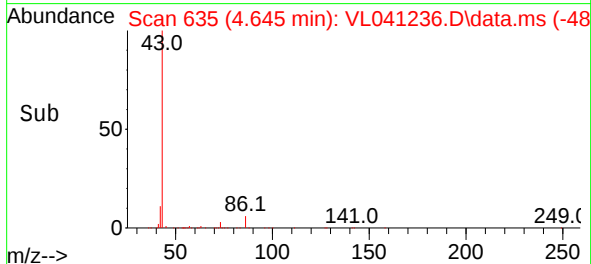
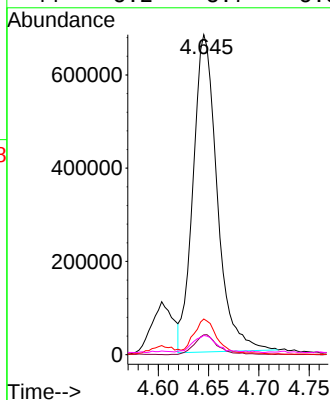
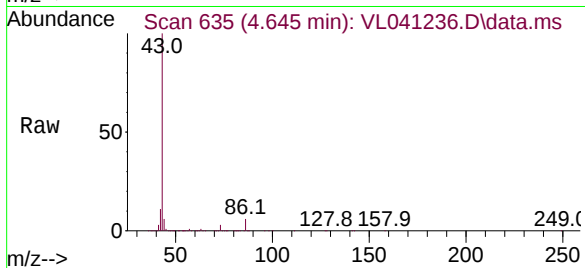




#23
Vinyl Acetate
Concen: 9.982 ppbv
RT: 4.645 min Scan# 616
Delta R.T. -0.000 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

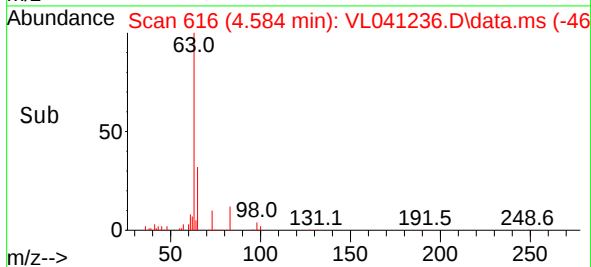
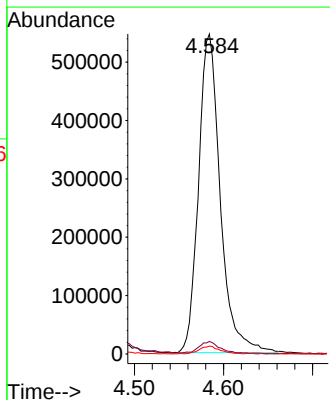
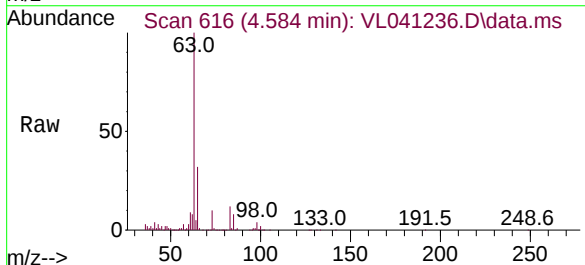
Instrument :
MSVOA_1
ClientSampleId :
VL0508ABS01

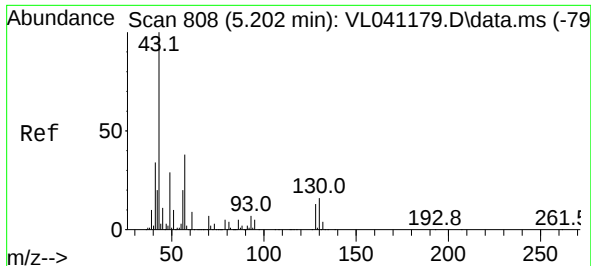
Tgt Ion: 43 Resp: 1134589
Ion Ratio Lower Upper
43 100
86 6.2 4.9 7.3
42 11.0 8.0 12.0
44 5.2 3.7 5.5



#24
1,1-Dichloroethane
Concen: 10.475 ppbv
RT: 4.584 min Scan# 616
Delta R.T. -0.000 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

Tgt Ion: 63 Resp: 925759
Ion Ratio Lower Upper
63 100
98 3.8 1.6 4.8
100 2.4 1.1 3.5





#25

Ethyl Acetate

Concen: 9.877 ppbv

RT: 5.224 min Scan# 815

Delta R.T. 0.003 min

Lab File: VL041236.D

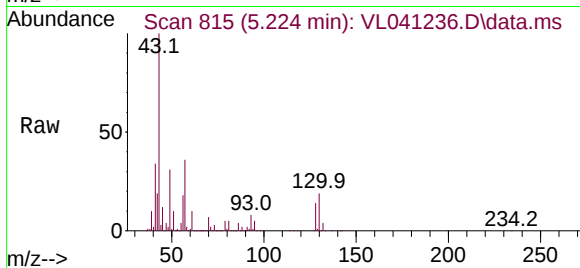
Acq: 8 May 2024 10:02

Instrument :

MSVOA_L

ClientSampleId :

VL0508ABS01



Tgt Ion: 43 Resp: 2034954

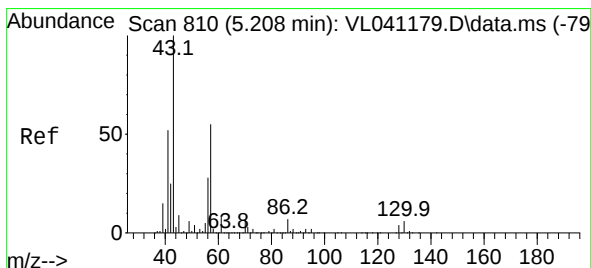
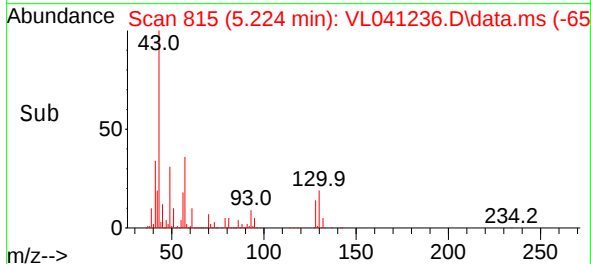
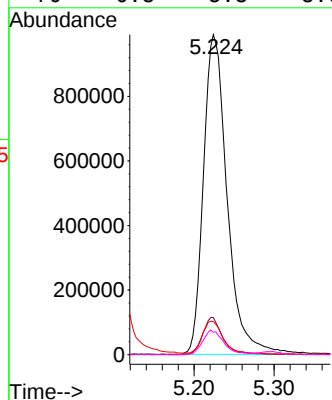
Ion Ratio Lower Upper

43 100

45 10.3 8.2 12.2

61 9.6 7.7 11.5

70 6.8 5.8 8.6



#26

Hexane

Concen: 9.736 ppbv

RT: 5.234 min Scan# 818

Delta R.T. 0.003 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Tgt Ion: 57 Resp: 895096

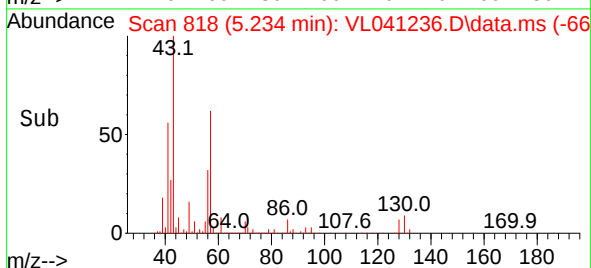
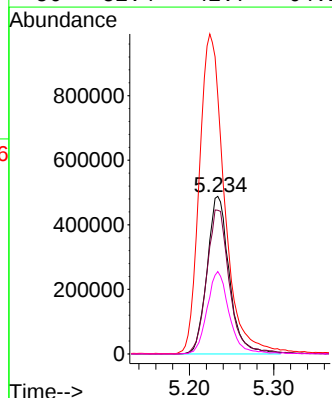
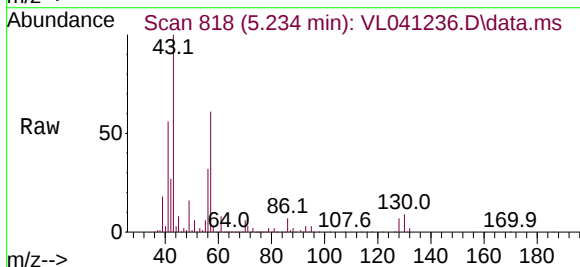
Ion Ratio Lower Upper

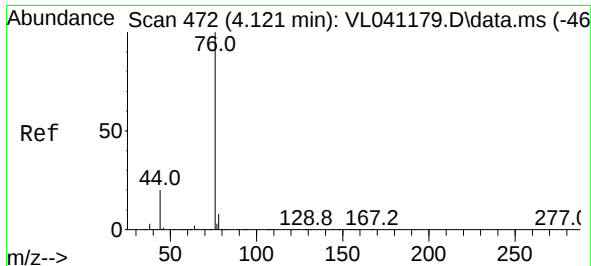
57 100

41 94.7 75.8 113.8

43 229.9 187.0 280.4

56 52.4 42.7 64.1

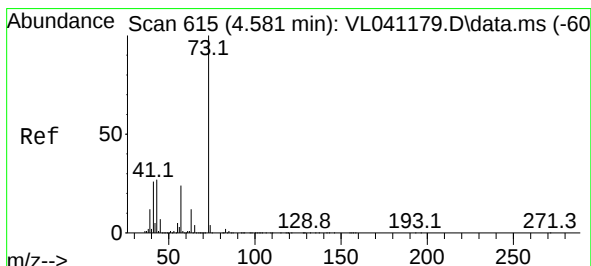
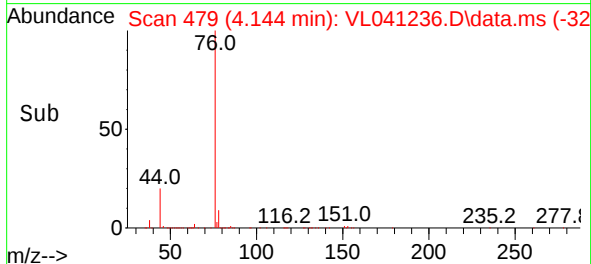
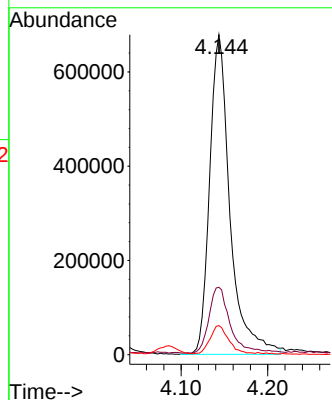
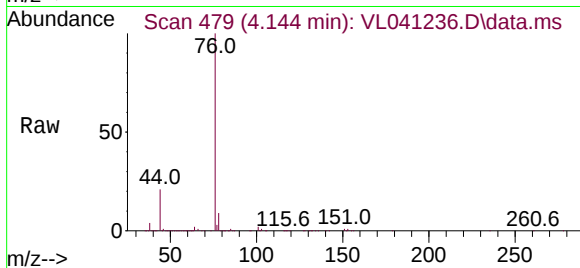




#27
Carbon Disulfide
Concen: 10.193 ppbv
RT: 4.144 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

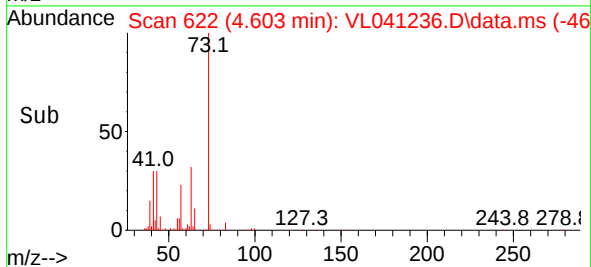
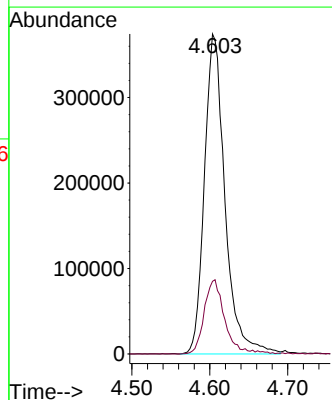
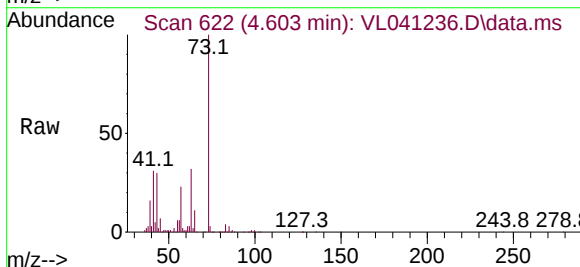
Instrument :
MSVOA_L
ClientSampleId :
VL0508ABS01

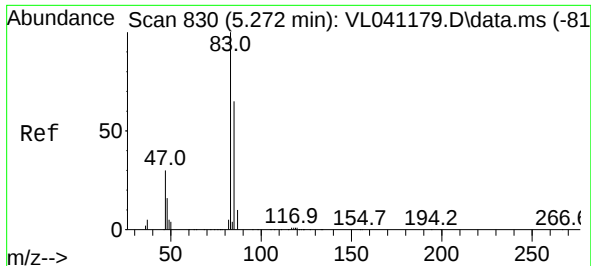
Tgt Ion: 76 Resp: 1109363
Ion Ratio Lower Upper
76 100
44 21.6 16.3 24.5
78 9.4 7.3 10.9



#28
Methyl tert-Butyl Ether
Concen: 9.367 ppbv
RT: 4.603 min Scan# 622
Delta R.T. -0.000 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

Tgt Ion: 73 Resp: 685703
Ion Ratio Lower Upper
73 100
57 23.5 18.8 28.2





#29

Chloroform

Concen: 10.819 ppbv

RT: 5.295 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_L

ClientSampleId :

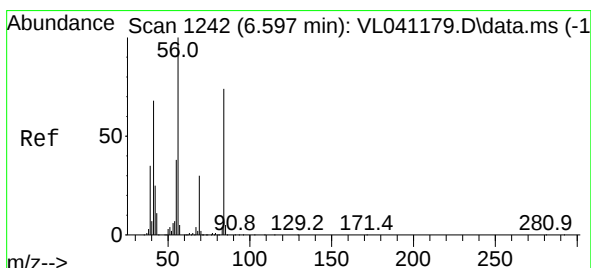
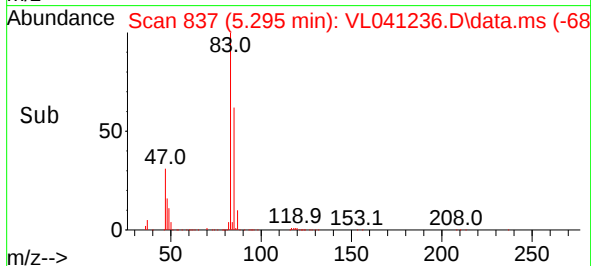
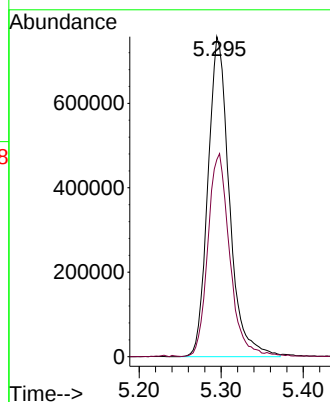
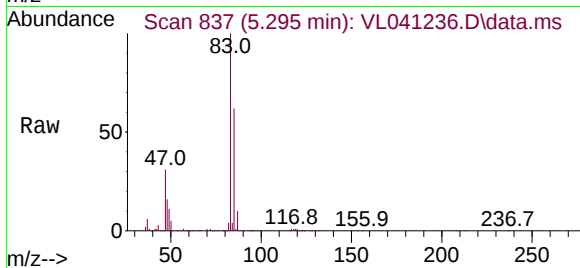
VL0508ABS01

Tgt Ion: 83 Resp: 1372227

Ion Ratio Lower Upper

83 100

85 61.5 51.7 77.5



#30

Cyclohexane

Concen: 10.304 ppbv

RT: 6.623 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

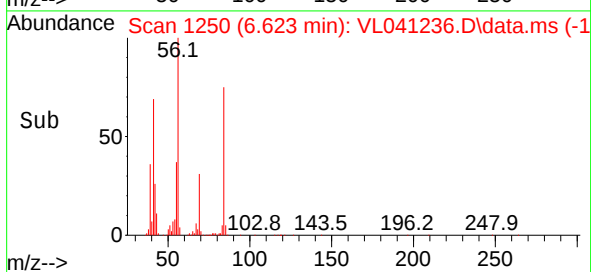
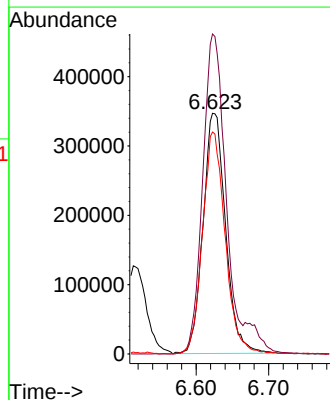
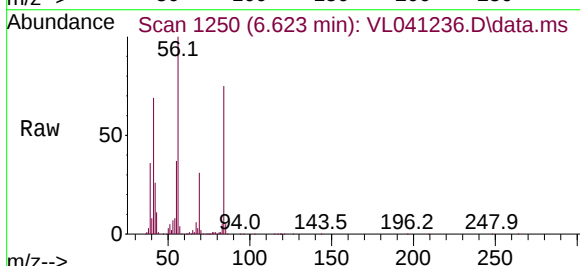
Tgt Ion: 84 Resp: 749919

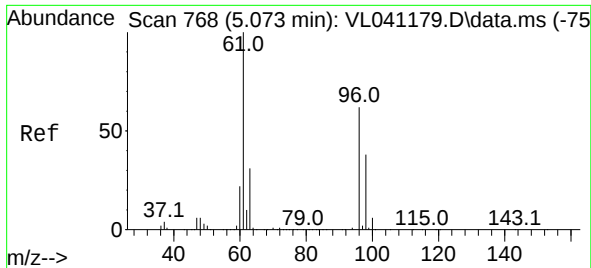
Ion Ratio Lower Upper

84 100

56 142.2 116.8 175.2

41 93.0 73.8 110.8

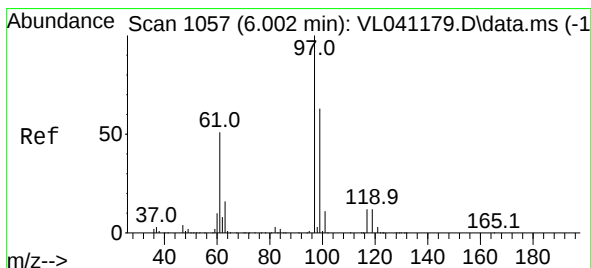
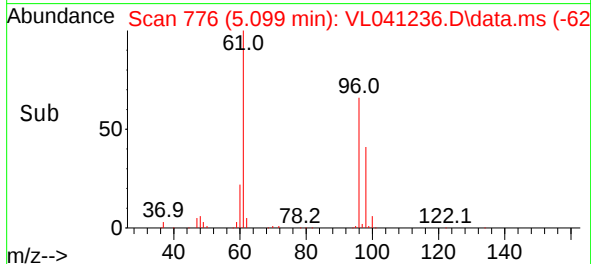
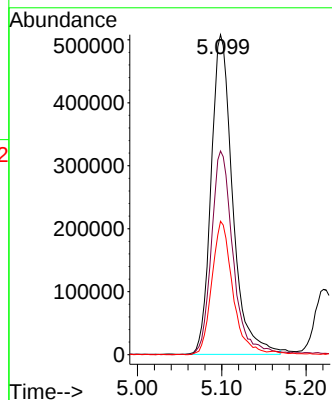
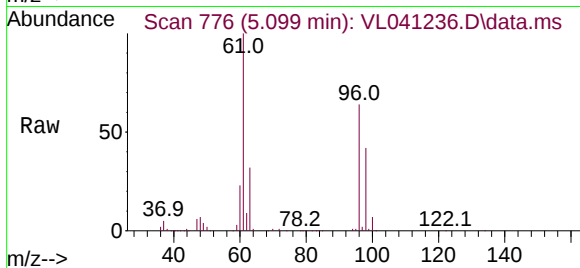




#31
cis-1,2-Dichloroethene
Concen: 10.476 ppbv
RT: 5.099 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

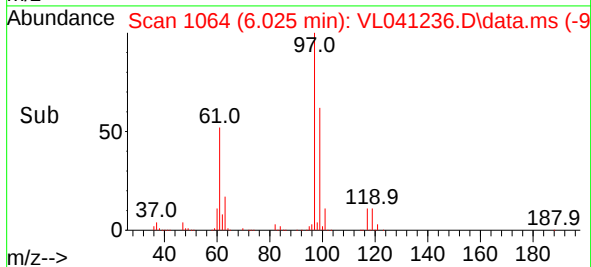
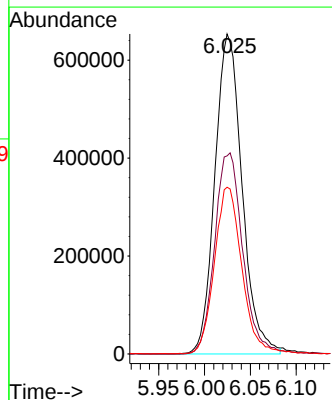
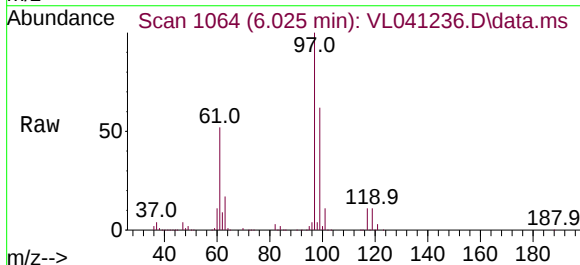
Instrument :
MSVOA_L
ClientSampleId :
VL0508ABS01

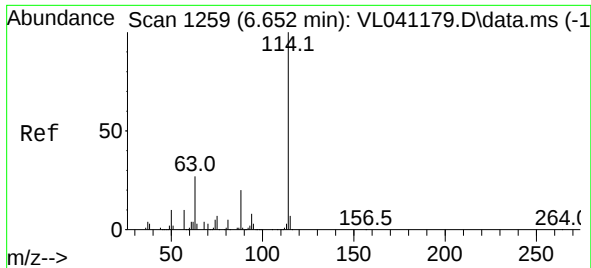
Tgt Ion: 61 Resp: 901674
Ion Ratio Lower Upper
61 100
96 63.6 49.8 74.6
98 41.7 30.0 45.0



#32
1,1,1-Trichloroethane
Concen: 10.657 ppbv
RT: 6.025 min Scan# 1064
Delta R.T. 0.003 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

Tgt Ion: 97 Resp: 1348635
Ion Ratio Lower Upper
97 100
99 65.2 51.7 77.5
61 53.1 41.1 61.7

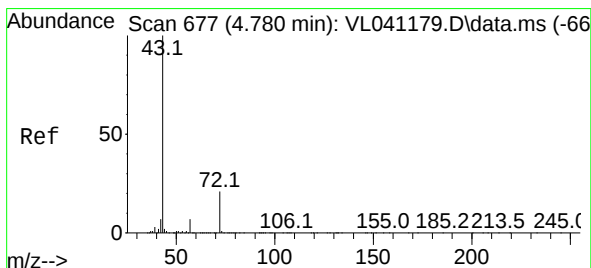
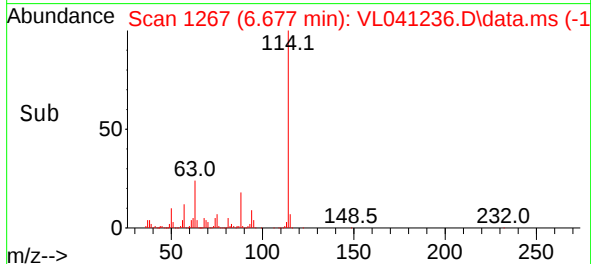
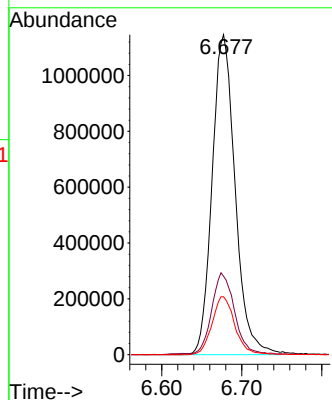
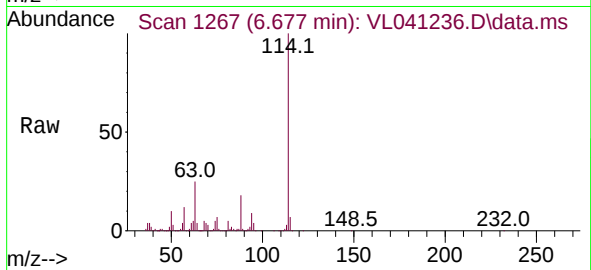




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.677 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

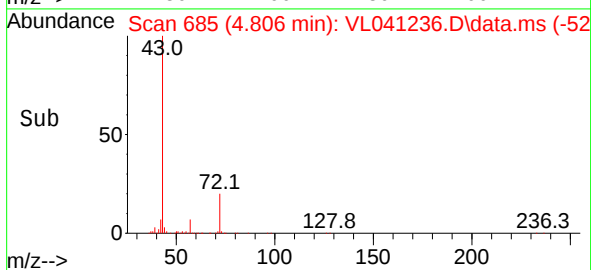
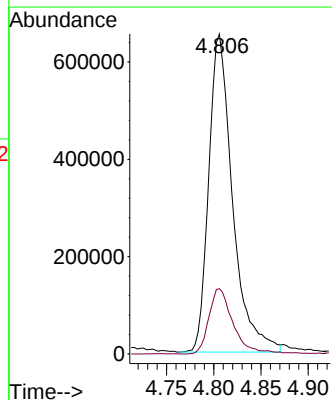
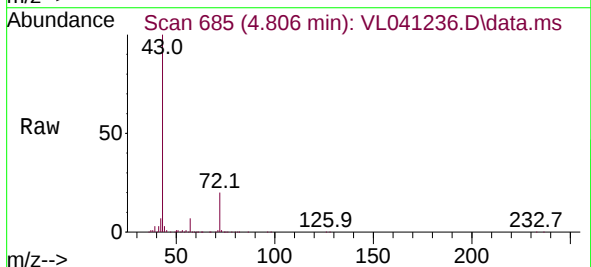
Instrument :
MSVOA_1
ClientSampleId :
VL0508ABS01

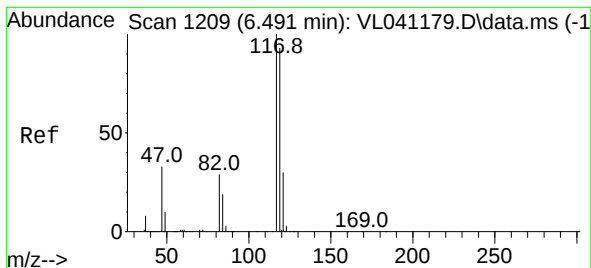
Tgt Ion:114 Resp: 2289294
Ion Ratio Lower Upper
114 100
63 26.0 21.8 32.6
88 18.0 15.2 22.8



#34
2-Butanone
Concen: 9.835 ppbv
RT: 4.806 min Scan# 685
Delta R.T. 0.003 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

Tgt Ion: 43 Resp: 1145997
Ion Ratio Lower Upper
43 100
72 21.1 17.3 25.9





#35

Carbon Tetrachloride

Concen: 10.733 ppbv

RT: 6.516 min Scan# 1179

Delta R.T. 0.003 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_L

ClientSampleId :

VL0508ABS01

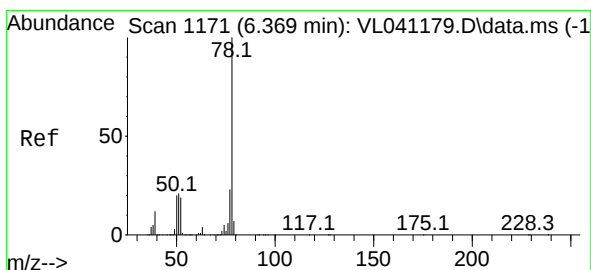
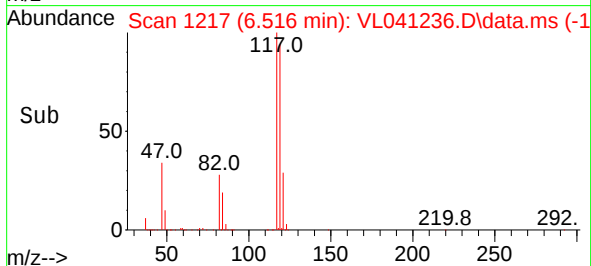
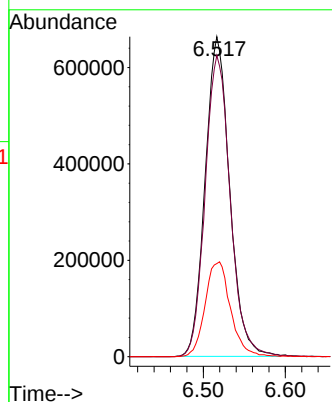
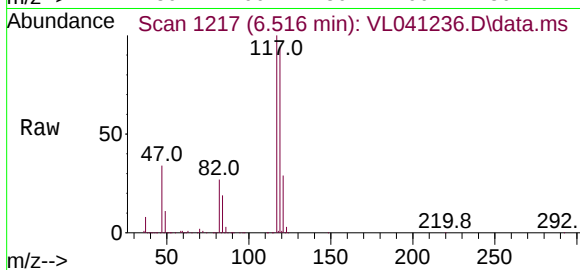
Tgt Ion:117 Resp: 1378966

Ion Ratio Lower Upper

117 100

119 93.9 74.3 111.5

121 29.1 23.8 35.8



#36

Benzene

Concen: 9.796 ppbv

RT: 6.394 min Scan# 1179

Delta R.T. 0.003 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

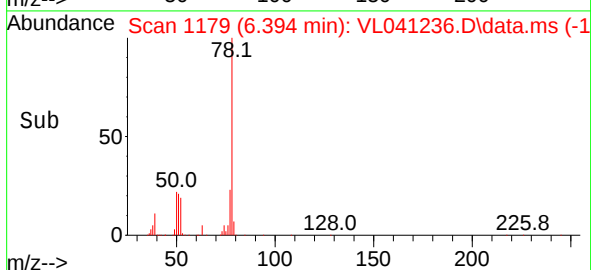
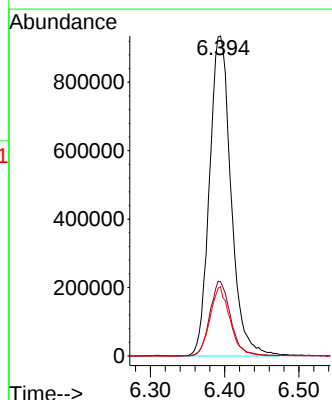
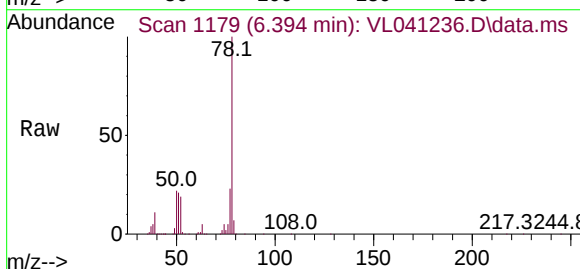
Tgt Ion: 78 Resp: 1881913

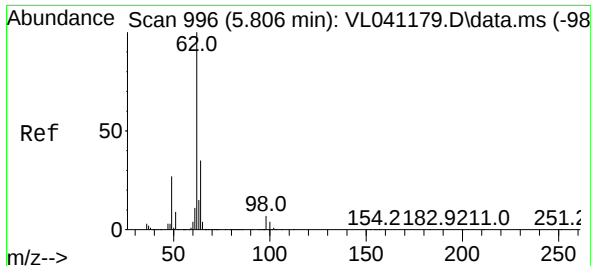
Ion Ratio Lower Upper

78 100

77 23.2 18.3 27.5

50 21.6 15.9 23.9

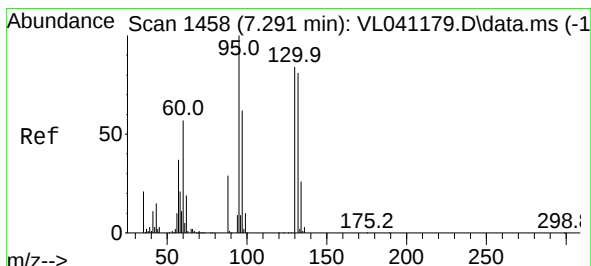
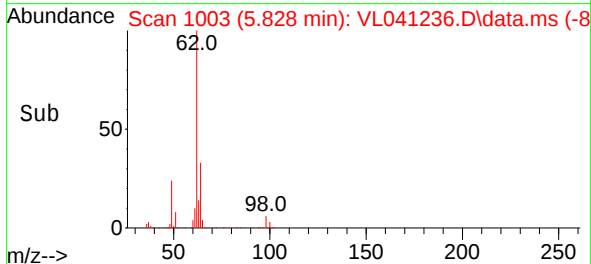
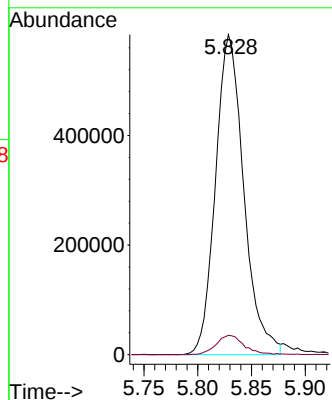
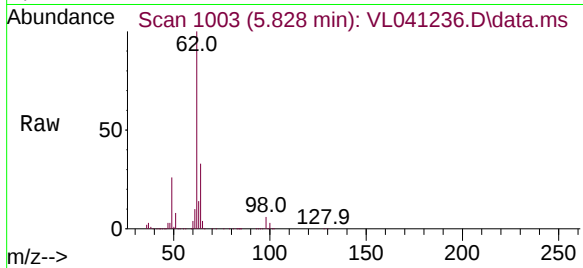




#37
1,2-Dichloroethane
Concen: 10.649 ppbv
RT: 5.828 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

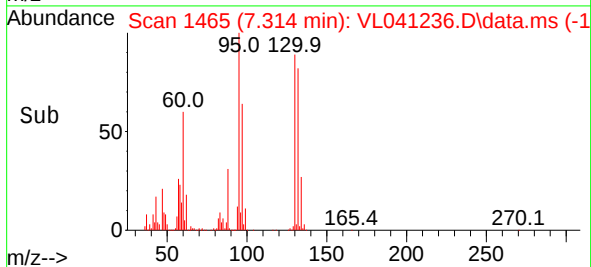
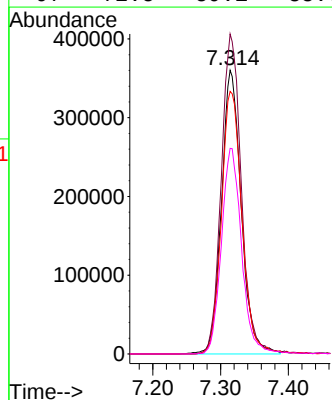
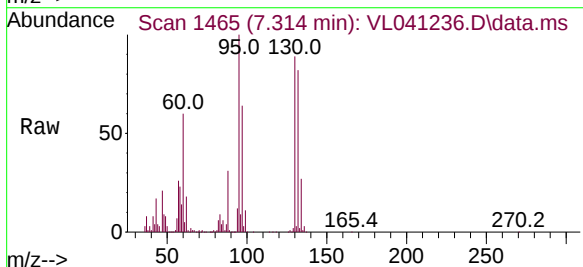
Instrument :
MSVOA_L
ClientSampleId :
VL0508ABS01

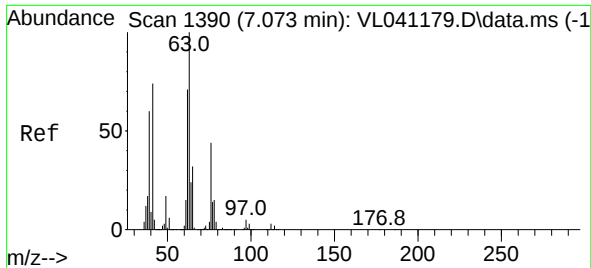
Tgt Ion: 62 Resp: 1067398
Ion Ratio Lower Upper
62 100
98 6.1 5.0 7.4



#38
Trichloroethene
Concen: 10.204 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. 0.003 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

Tgt Ion:130 Resp: 730520
Ion Ratio Lower Upper
130 100
95 112.8 95.0 142.6
132 92.5 77.0 115.4
97 72.5 59.1 88.7





#39

1,2-Dichloropropane

Concen: 9.904 ppbv

RT: 7.098 min Scan# 14

Delta R.T. 0.006 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_L

ClientSampleId :

VL0508ABS01

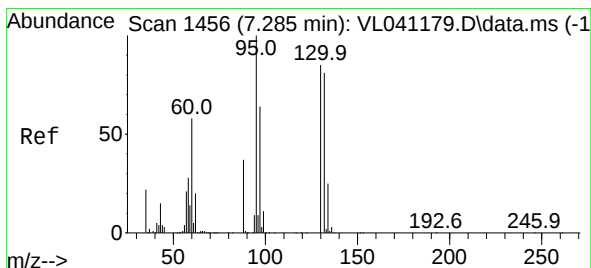
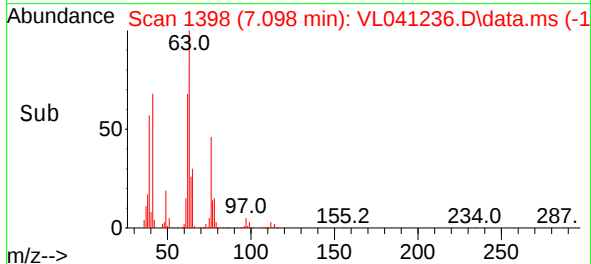
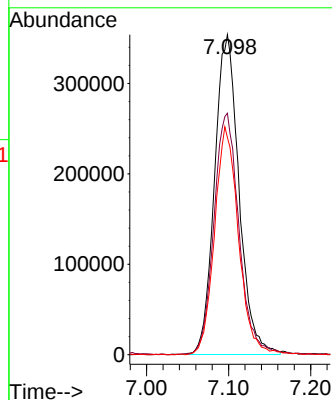
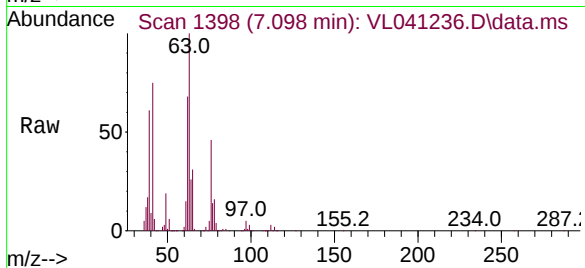
Tgt Ion: 63 Resp: 733279

Ion Ratio Lower Upper

63 100

41 75.2 59.4 89.0

62 67.8 56.8 85.2



#40

1,4-Dioxane

Concen: 11.666 ppbv

RT: 7.307 min Scan# 1463

Delta R.T. 0.006 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Tgt Ion: 88 Resp: 308583

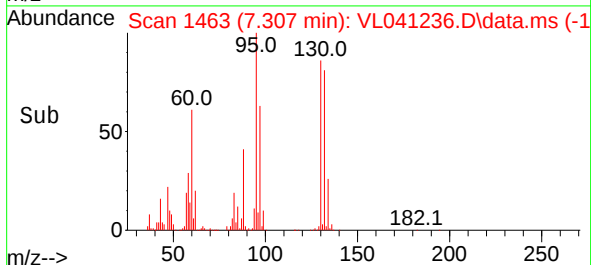
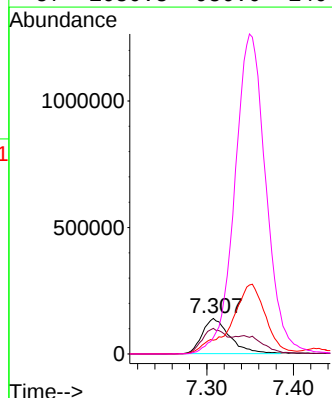
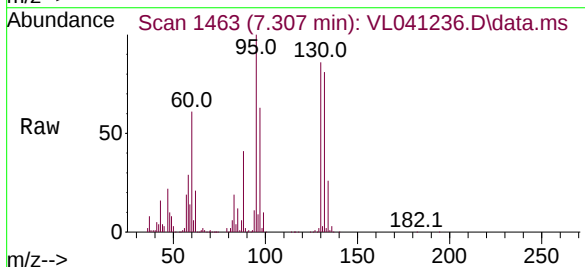
Ion Ratio Lower Upper

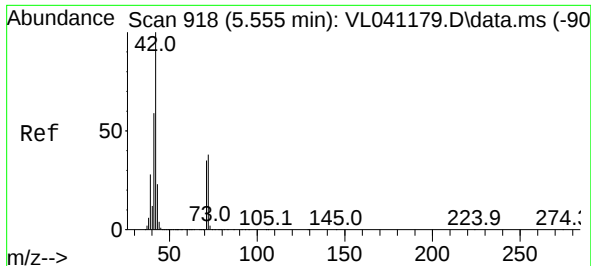
88 100

58 121.6 106.1 159.1

43 248.7 219.8 329.6

57 1030.3 936.0 1404.0





#41

Tetrahydrofuran

Concen: 9.460 ppbv

RT: 5.578 min Scan# 918

Delta R.T. -0.000 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_L

ClientSampleId :

VL0508ABS01

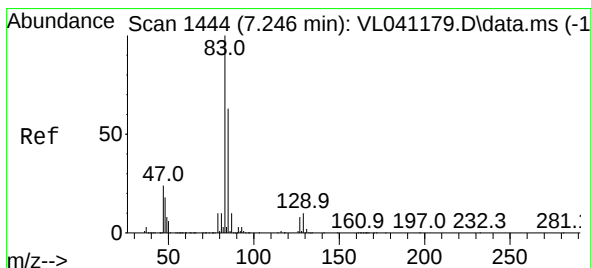
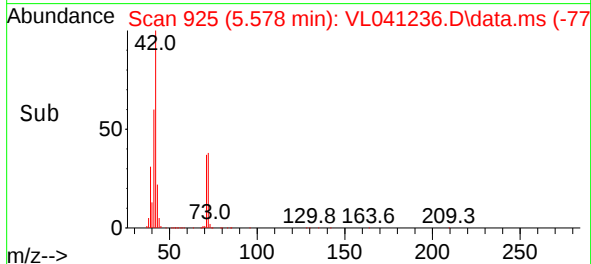
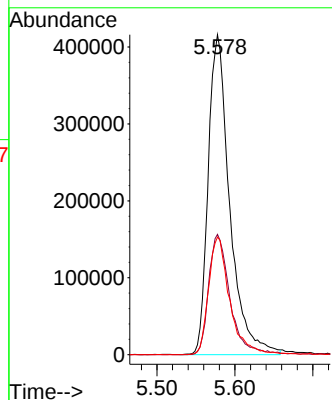
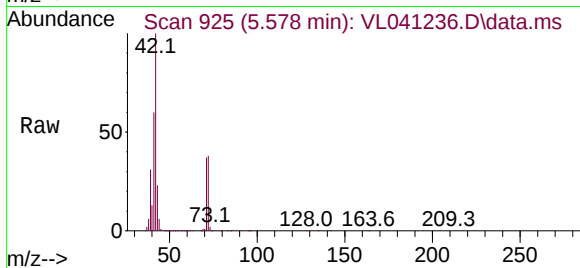
Tgt Ion: 42 Resp: 797948

Ion Ratio Lower Upper

42 100

72 37.7 29.4 44.0

71 36.7 29.1 43.7



#42

Bromodichloromethane

Concen: 10.784 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. 0.003 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

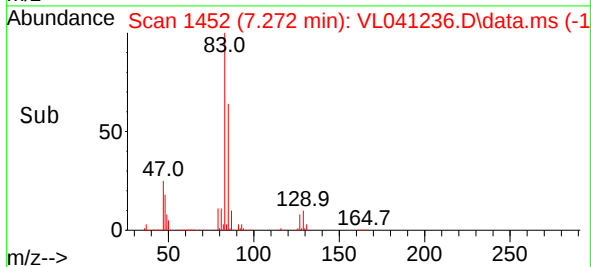
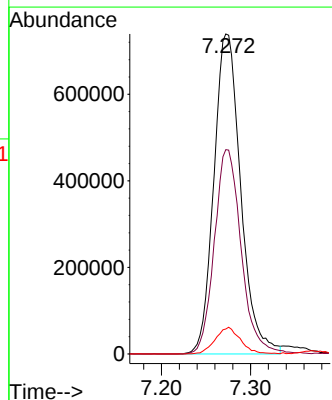
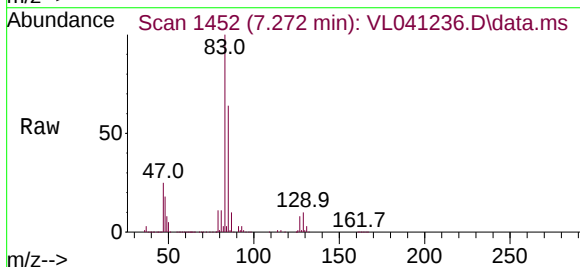
Tgt Ion: 83 Resp: 1550256

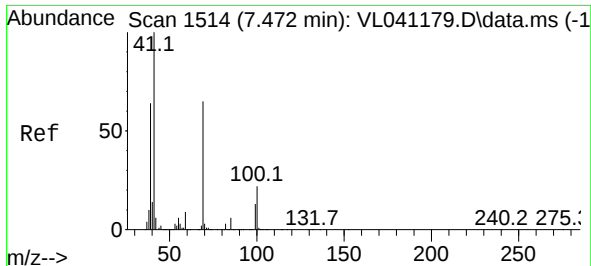
Ion Ratio Lower Upper

83 100

85 63.8 50.6 75.8

127 7.8 6.2 9.4





#43

Methyl Methacrylate

Concen: 9.925 ppbv

RT: 7.497 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_1

ClientSampleId :

VL0508ABS01

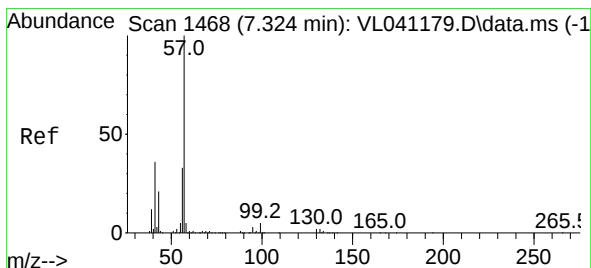
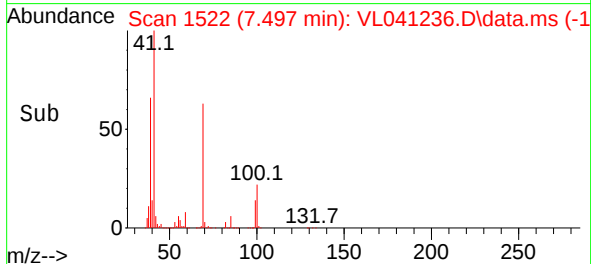
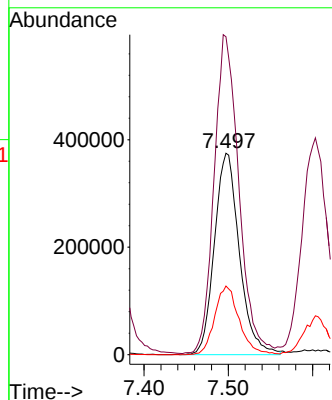
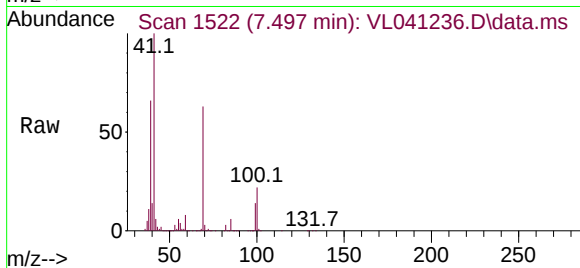
Tgt Ion: 69 Resp: 771221

Ion Ratio Lower Upper

69 100

41 158.2 125.2 187.8

100 33.4 26.7 40.1



#44

2,2,4-Trimethylpentane

Concen: 9.572 ppbv

RT: 7.349 min Scan# 1476

Delta R.T. 0.003 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

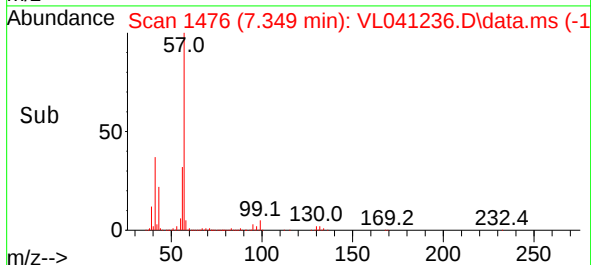
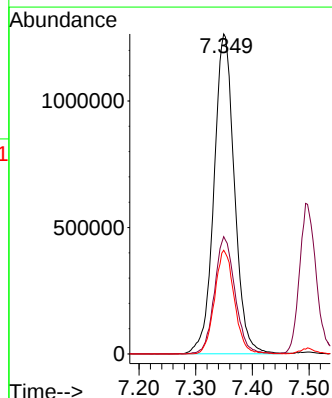
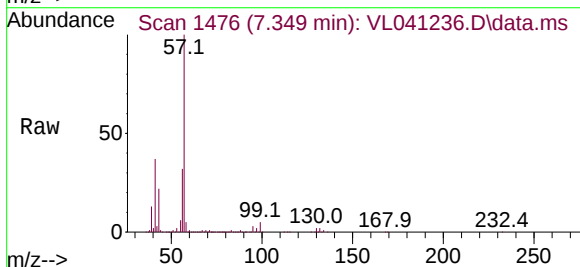
Tgt Ion: 57 Resp: 3170639

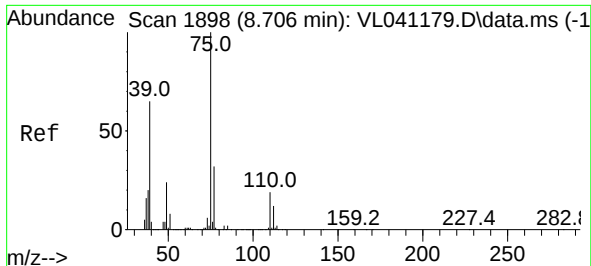
Ion Ratio Lower Upper

57 100

41 36.6 29.5 44.3

56 31.3 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 10.253 ppbv

RT: 8.735 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_L

ClientSampleId :

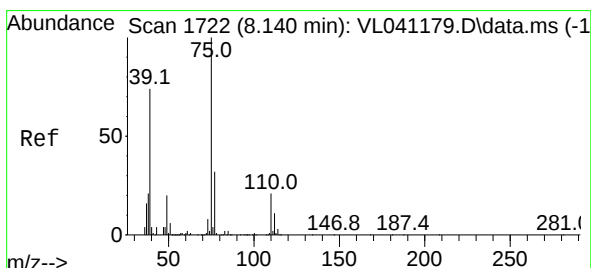
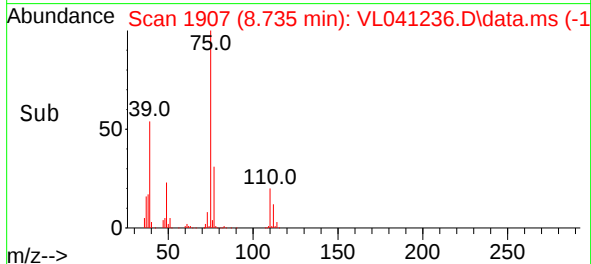
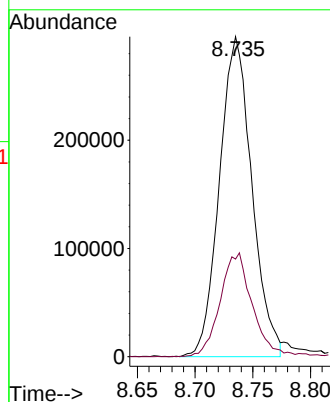
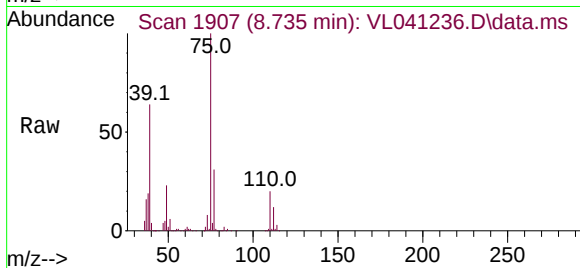
VL0508ABS01

Tgt Ion: 75 Resp: 577297

Ion Ratio Lower Upper

75 100

77 30.5 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 10.099 ppbv

RT: 8.169 min Scan# 1731

Delta R.T. 0.006 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

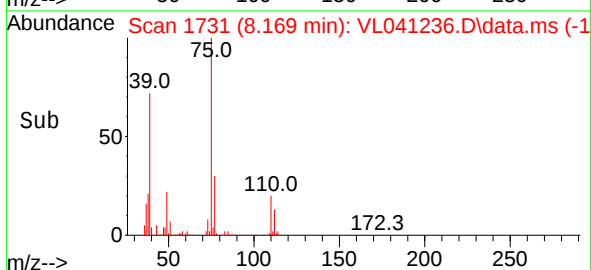
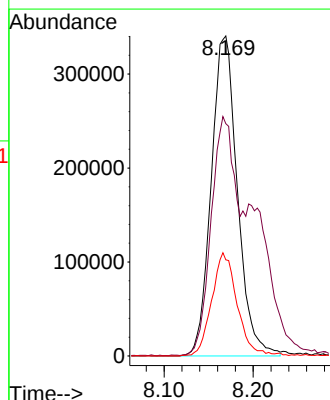
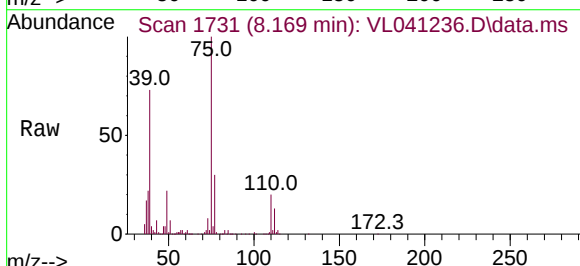
Tgt Ion: 75 Resp: 696153

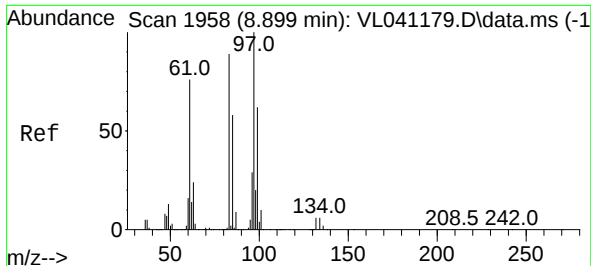
Ion Ratio Lower Upper

75 100

39 72.5 59.4 89.2

77 30.1 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 10.378 ppbv

RT: 8.922 min Scan# 1958

Delta R.T. -0.000 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_L

ClientSampleId :

VL0508ABS01

Tgt Ion: 97 Resp: 769039

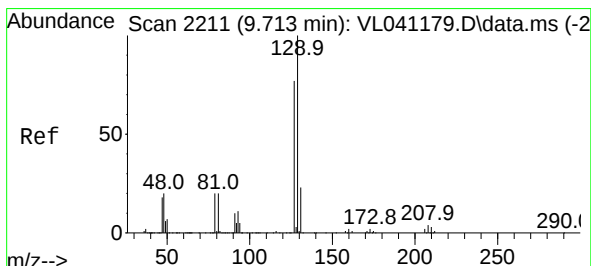
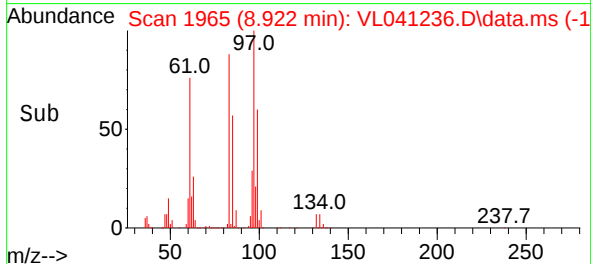
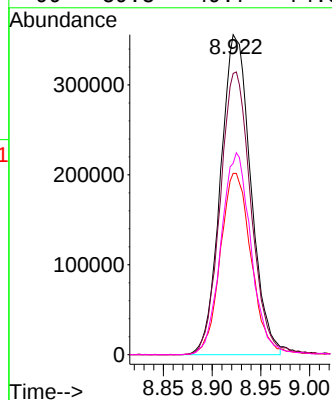
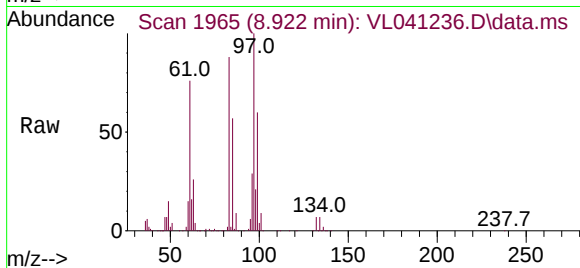
Ion Ratio Lower Upper

97 100

83 87.9 71.2 106.8

85 56.7 46.0 69.0

99 59.8 49.7 74.5



#48

Dibromochloromethane

Concen: 10.885 ppbv

RT: 9.735 min Scan# 2218

Delta R.T. 0.003 min

Lab File: VL041236.D

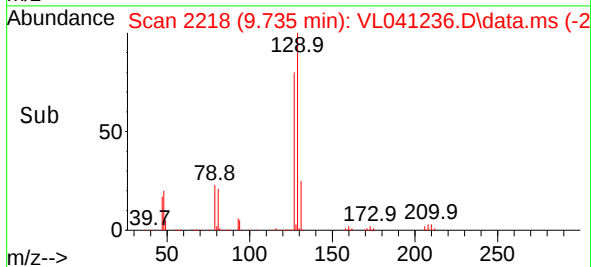
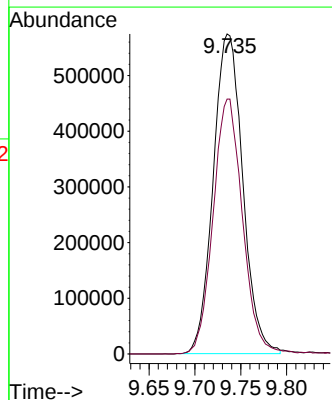
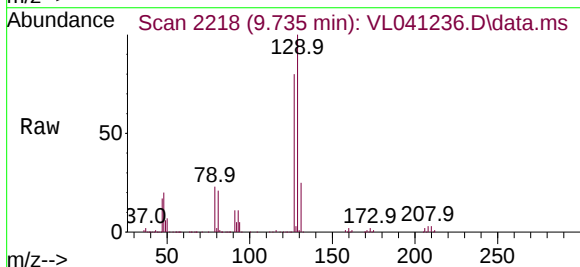
Acq: 8 May 2024 10:02

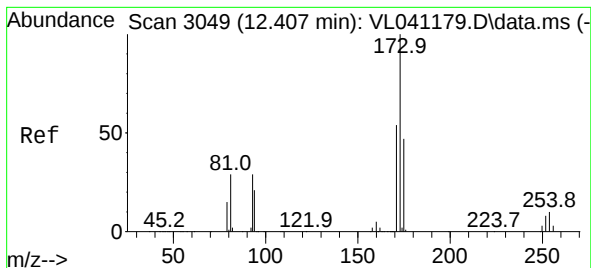
Tgt Ion: 129 Resp: 1285252

Ion Ratio Lower Upper

129 100

127 79.8 39.1 117.5





#49

Bromoform

Concen: 10.770 ppbv

RT: 12.436 min Scan# 3049

Delta R.T. 0.006 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_L

ClientSampleId :

VL0508ABS01

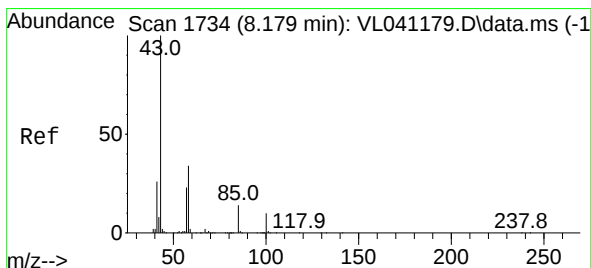
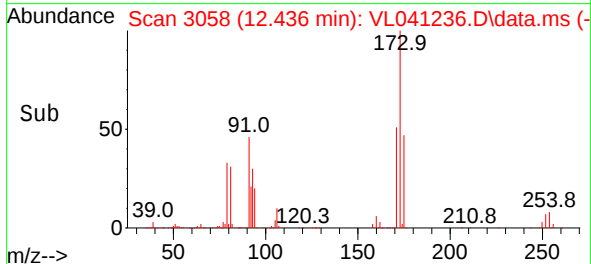
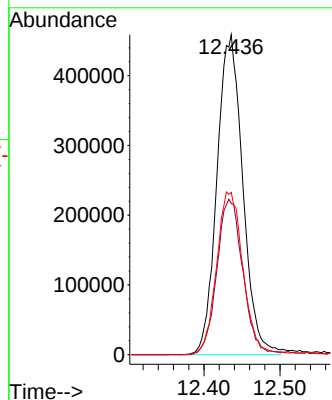
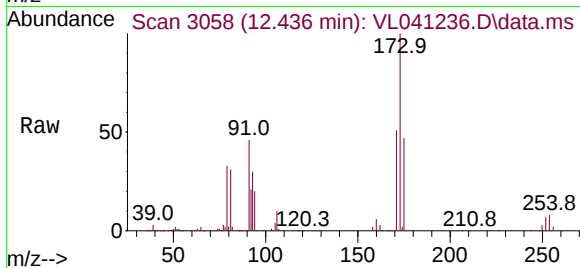
Tgt Ion:173 Resp: 1081773

Ion Ratio Lower Upper

173 100

175 49.7 39.8 59.8

171 52.2 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 9.560 ppbv

RT: 8.205 min Scan# 1742

Delta R.T. 0.003 min

Lab File: VL041236.D

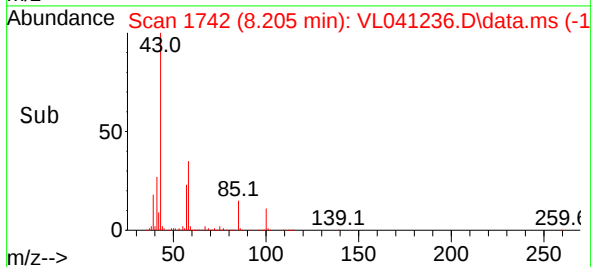
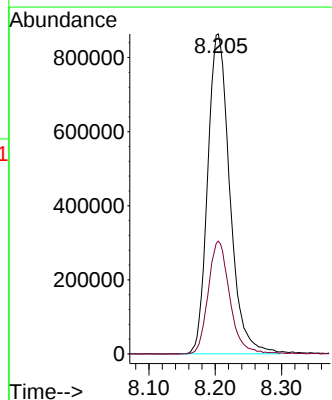
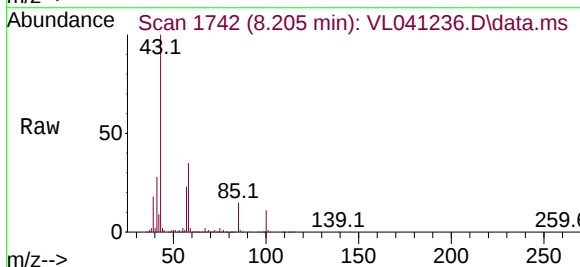
Acq: 8 May 2024 10:02

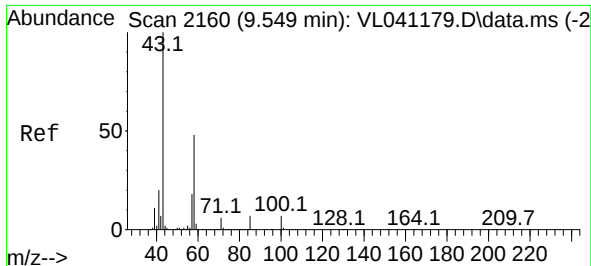
Tgt Ion: 43 Resp: 1999163

Ion Ratio Lower Upper

43 100

58 34.6 27.7 41.5

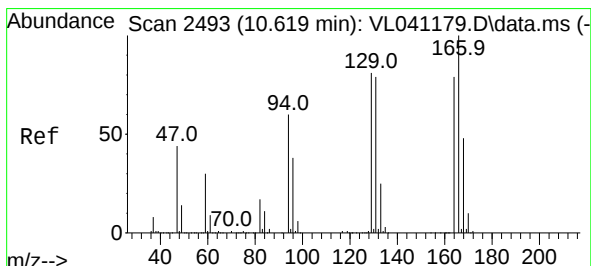
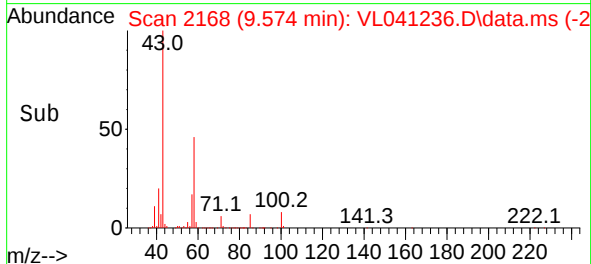
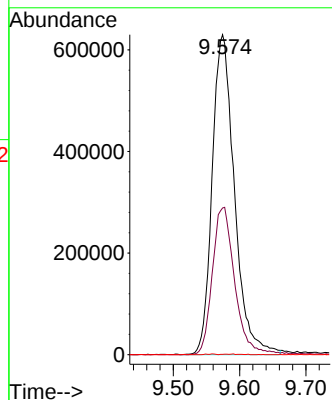
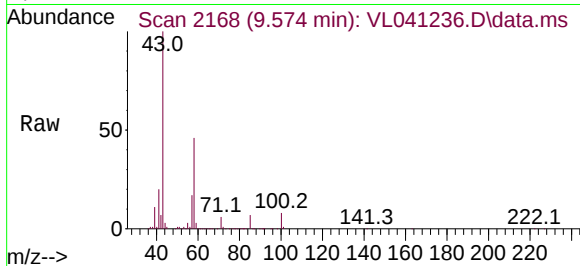




#51
2-Hexanone
Concen: 9.467 ppbv
RT: 9.574 min Scan# 2160
Delta R.T. 0.006 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

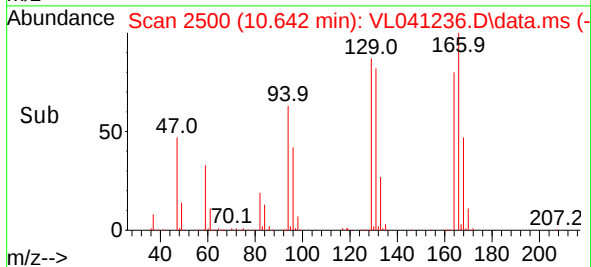
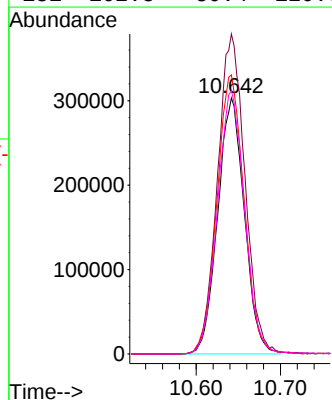
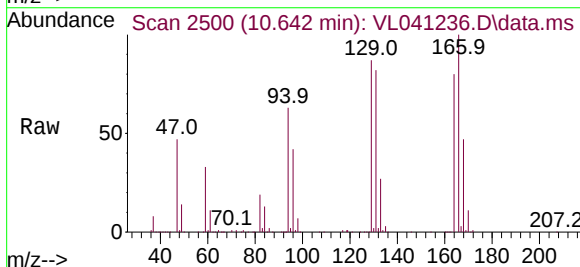
Instrument :
MSVOA_L
ClientSampleId :
VL0508ABS01

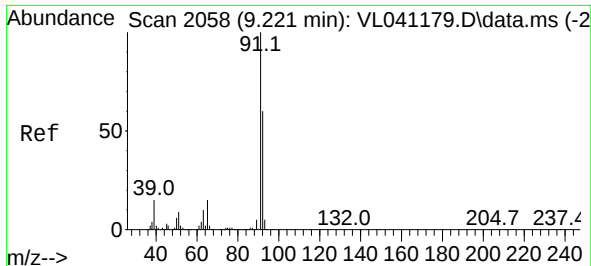
Tgt Ion: 43 Resp: 1468322
Ion Ratio Lower Upper
43 100
58 46.7 38.4 57.6
98 0.2 0.0 0.0#



#52
Tetrachloroethene
Concen: 9.849 ppbv
RT: 10.642 min Scan# 2500
Delta R.T. 0.006 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

Tgt Ion:164 Resp: 665018
Ion Ratio Lower Upper
164 100
166 125.0 101.1 151.7
129 109.0 81.7 122.5
131 102.8 80.4 120.6





#53

Toluene

Concen: 9.908 ppbv

RT: 9.243 min Scan# 2058

Delta R.T. 0.003 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_L

ClientSampleId :

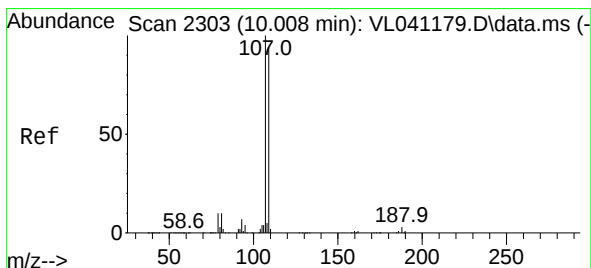
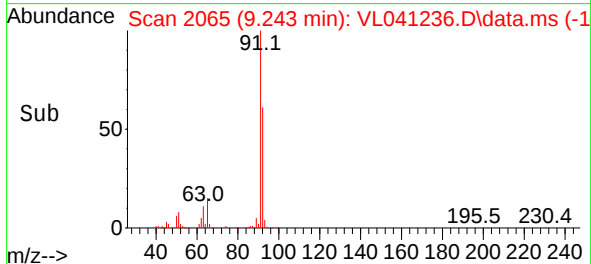
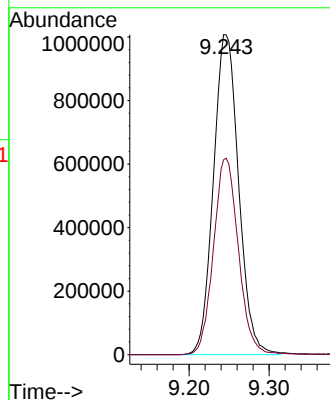
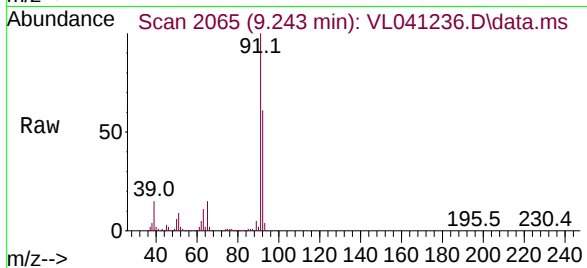
VL0508ABS01

Tgt Ion: 91 Resp: 2207083

Ion Ratio Lower Upper

91 100

92 60.7 48.2 72.4



#54

1,2-Dibromoethane

Concen: 10.653 ppbv

RT: 10.034 min Scan# 2311

Delta R.T. 0.003 min

Lab File: VL041236.D

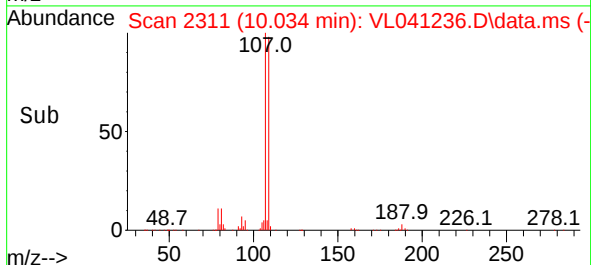
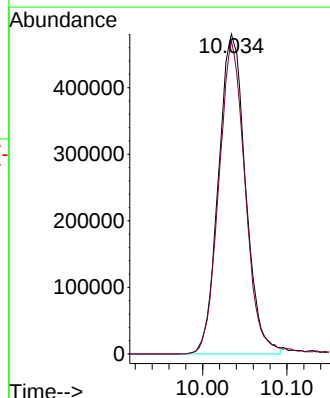
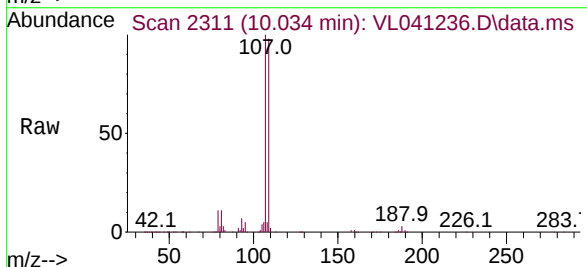
Acq: 8 May 2024 10:02

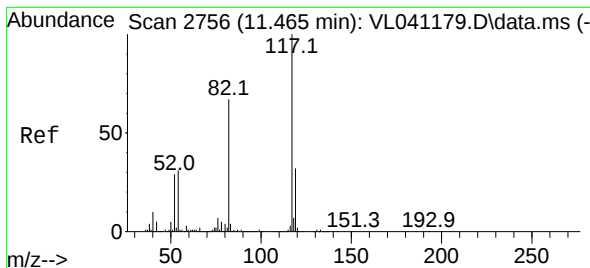
Tgt Ion: 107 Resp: 1069283

Ion Ratio Lower Upper

107 100

109 97.8 75.2 112.8

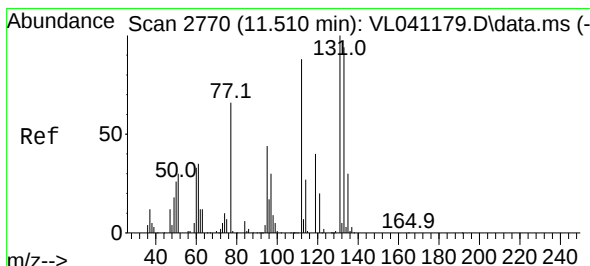
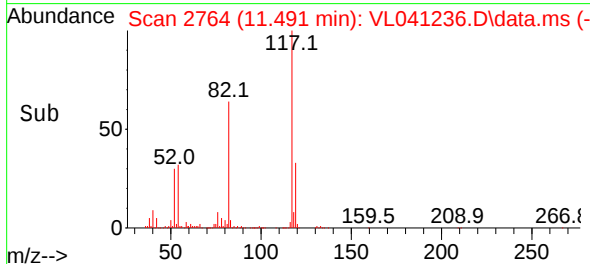
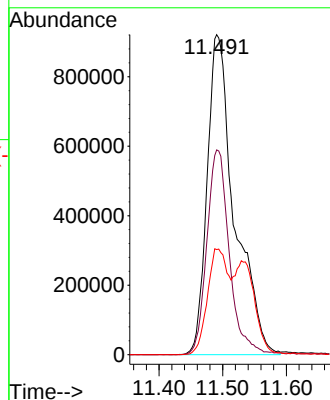
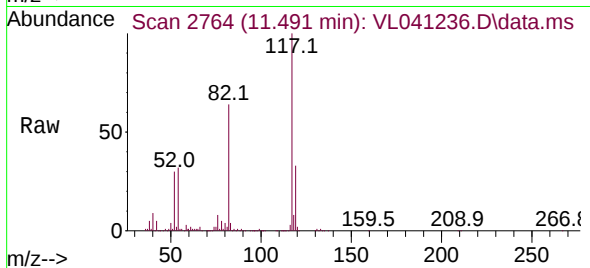




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.491 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

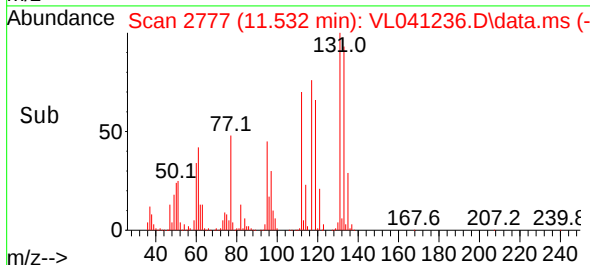
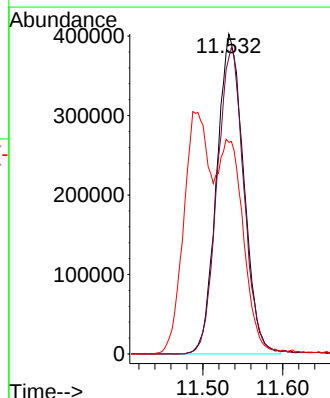
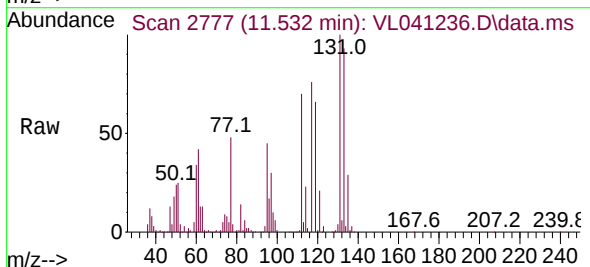
Instrument :
MSVOA_1
ClientSampleId :
VL0508ABS01

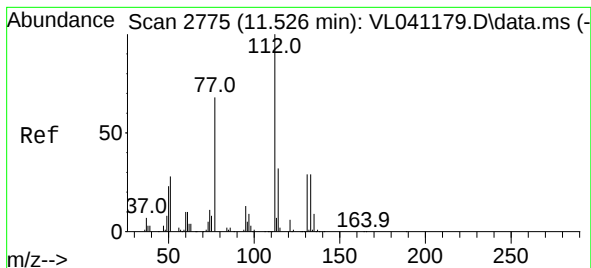
Tgt Ion:117 Resp: 2755476
Ion Ratio Lower Upper
117 100
82 52.9 53.6 80.4#
119 25.2 27.2 40.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.426 ppbv
RT: 11.532 min Scan# 2777
Delta R.T. 0.003 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

Tgt Ion:131 Resp: 941477
Ion Ratio Lower Upper
131 100
133 96.0 76.3 114.5
119 65.4 49.4 74.2

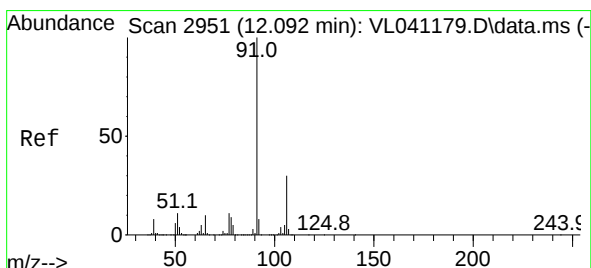
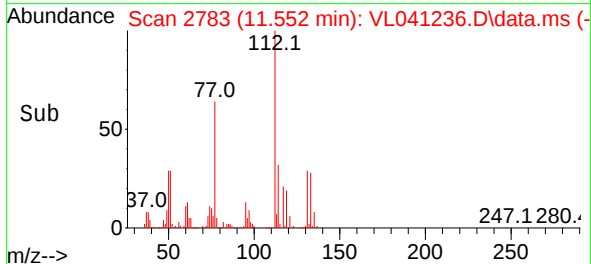
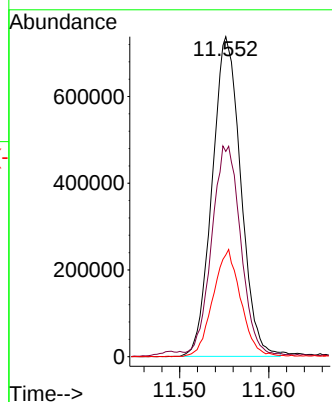
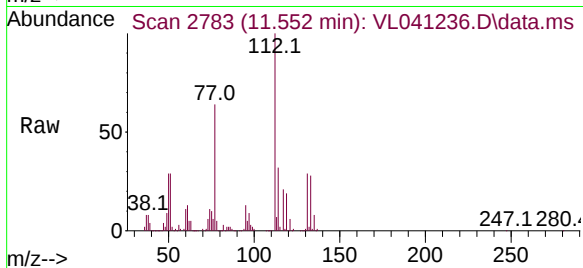




#57
Chlorobenzene
Concen: 8.157 ppbv
RT: 11.552 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

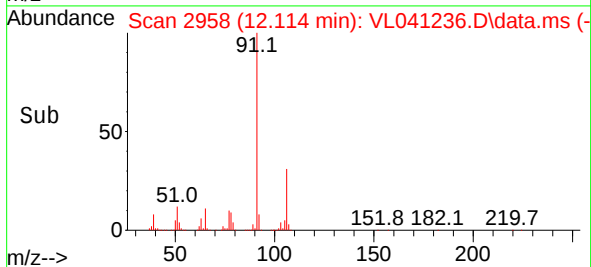
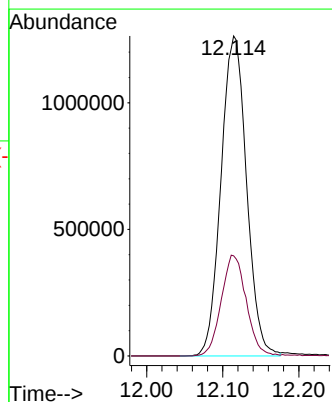
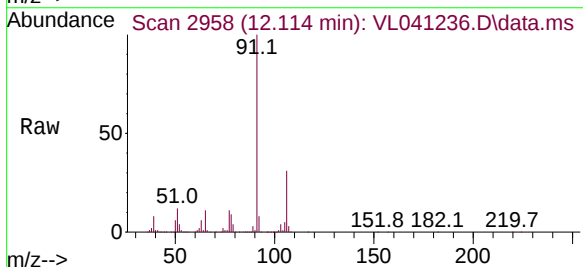
Instrument :
MSVOA_L
ClientSampleId :
VL0508ABS01

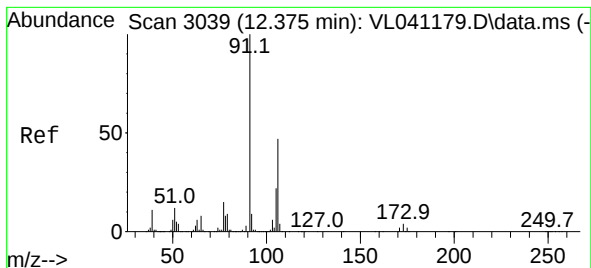
Tgt Ion:112 Resp: 1646115
Ion Ratio Lower Upper
112 100
77 63.1 54.9 82.3
114 31.7 28.7 35.1



#58
Ethyl Benzene
Concen: 7.801 ppbv
RT: 12.114 min Scan# 2958
Delta R.T. 0.003 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

Tgt Ion: 91 Resp: 2947414
Ion Ratio Lower Upper
91 100
106 31.3 24.3 36.5

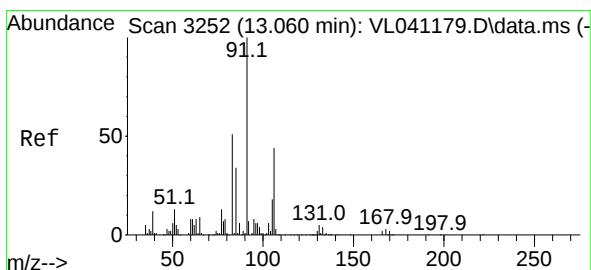
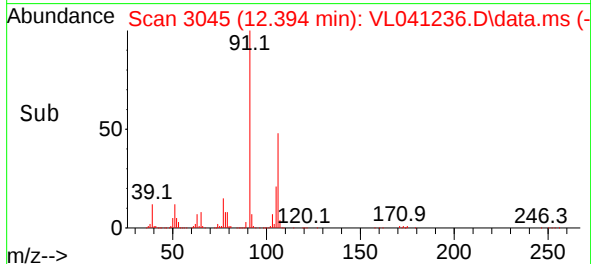
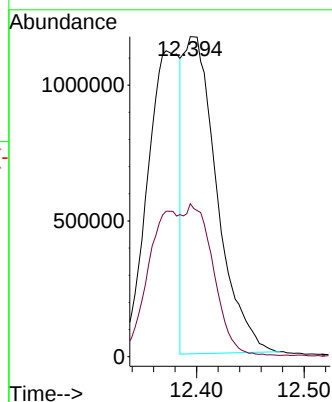
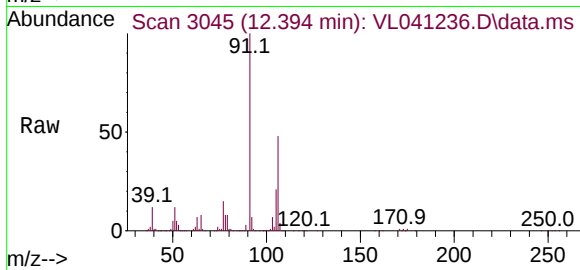




#59
m/p-Xylene
Concen: 7.979 ppbv
RT: 12.394 min Scan# 3039
Delta R.T. 0.003 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

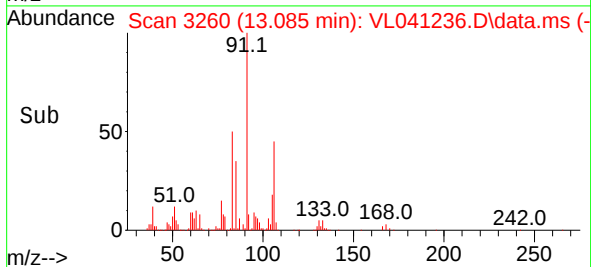
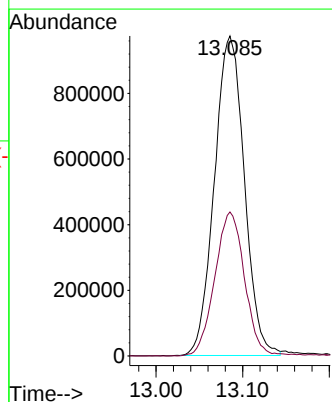
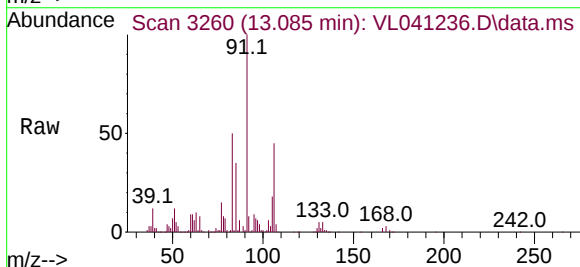
Instrument :
MSVOA_L
ClientSampleId :
VL0508ABS01

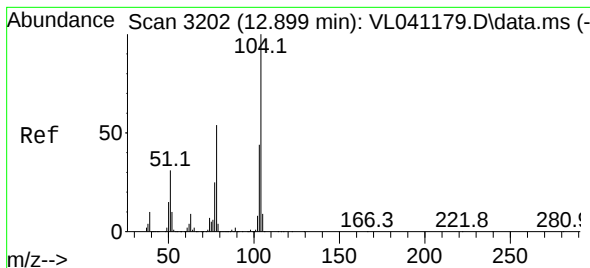
Tgt Ion: 91 Resp: 2533700
Ion Ratio Lower Upper
91 100
106 87.9 35.7 53.5#



#60
o-Xylene
Concen: 7.860 ppbv
RT: 13.085 min Scan# 3260
Delta R.T. 0.006 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

Tgt Ion: 91 Resp: 2339788
Ion Ratio Lower Upper
91 100
106 45.5 22.4 67.3





#61

Styrene

Concen: 8.178 ppbv

RT: 12.925 min Scan# 31

Delta R.T. 0.006 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_L

ClientSampleId :

VL0508ABS01

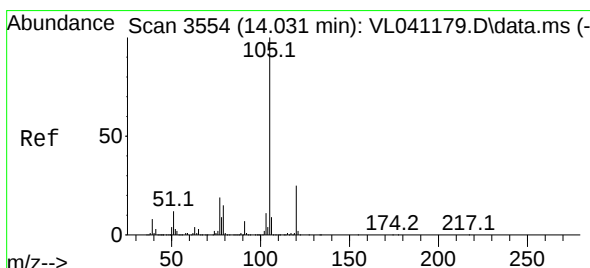
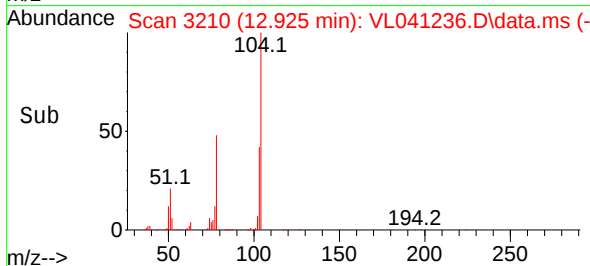
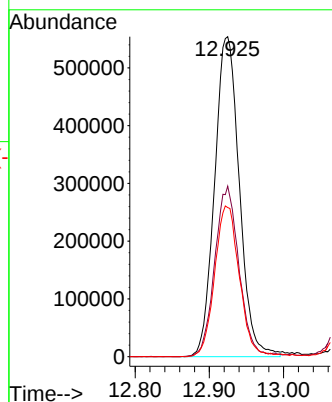
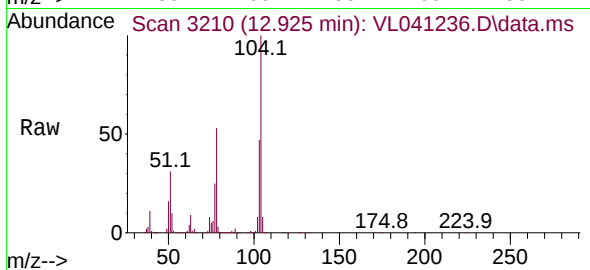
Tgt Ion:104 Resp: 1285950

Ion Ratio Lower Upper

104 100

78 52.5 42.6 63.8

103 47.3 38.4 57.6



#62

Isopropylbenzene

Concen: 7.888 ppbv

RT: 14.056 min Scan# 3562

Delta R.T. 0.006 min

Lab File: VL041236.D

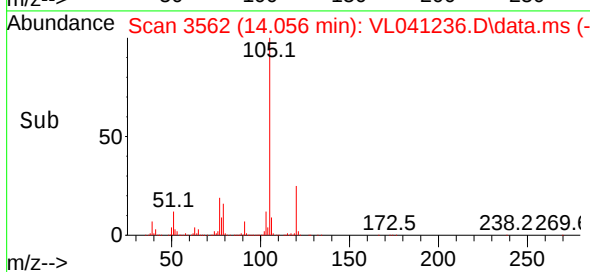
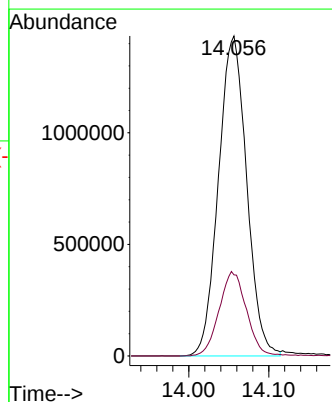
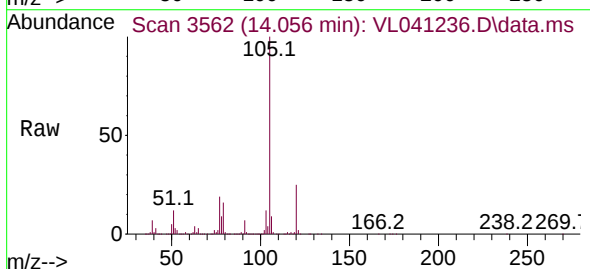
Acq: 8 May 2024 10:02

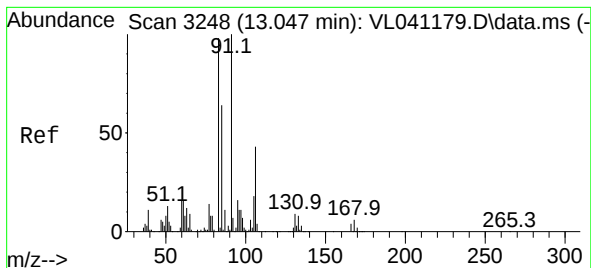
Tgt Ion:105 Resp: 3512099

Ion Ratio Lower Upper

105 100

120 25.8 20.2 30.2





#63

1,1,2,2-Tetrachloroethane

Concen: 8.075 ppbv

RT: 13.073 min Scan# 31

Delta R.T. 0.006 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_L

ClientSampleId :

VL0508ABS01

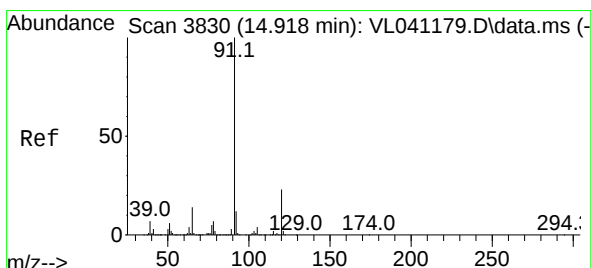
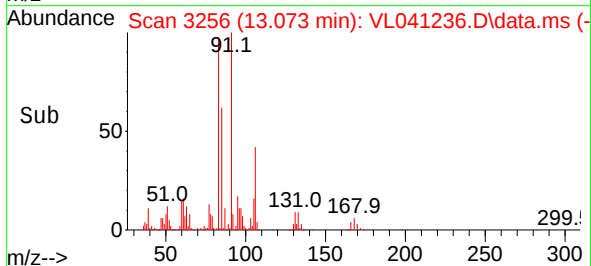
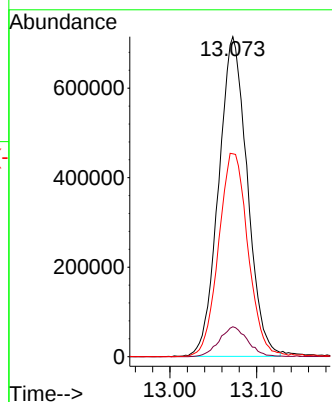
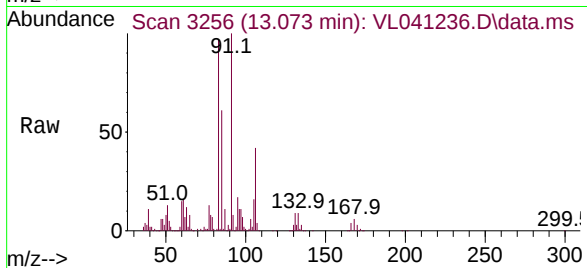
Tgt Ion: 83 Resp: 1638403

Ion Ratio Lower Upper

83 100

131 9.4 4.5 13.5

85 66.4 32.7 98.1



#64

n-propylbenzene

Concen: 8.314 ppbv

RT: 14.941 min Scan# 3837

Delta R.T. 0.006 min

Lab File: VL041236.D

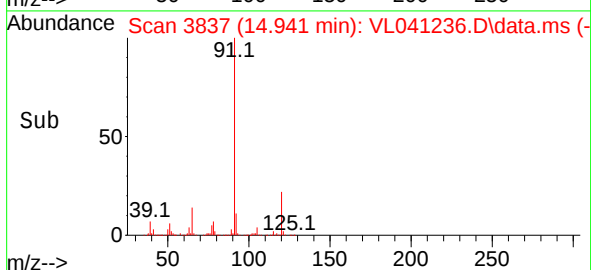
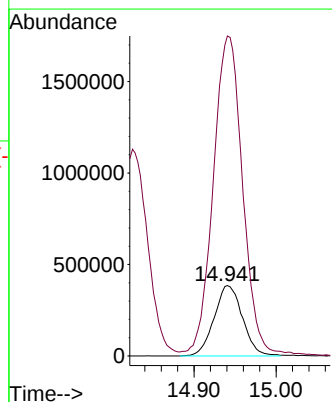
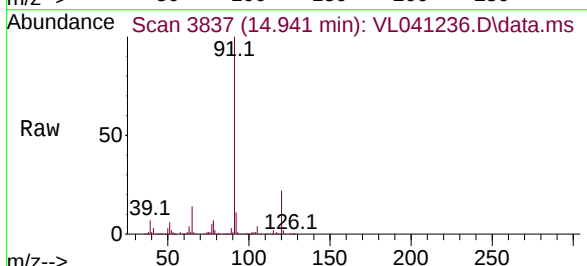
Acq: 8 May 2024 10:02

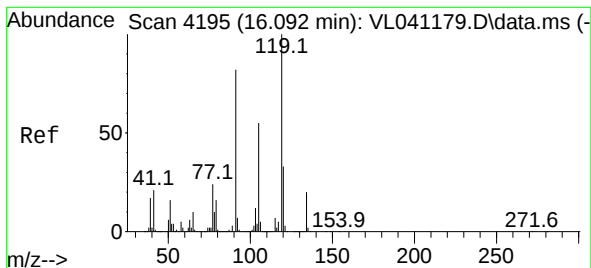
Tgt Ion:120 Resp: 923460

Ion Ratio Lower Upper

120 100

91 475.4 384.8 577.2

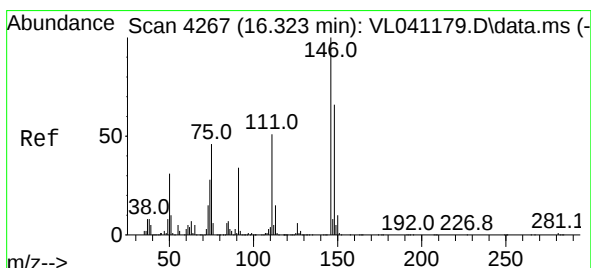
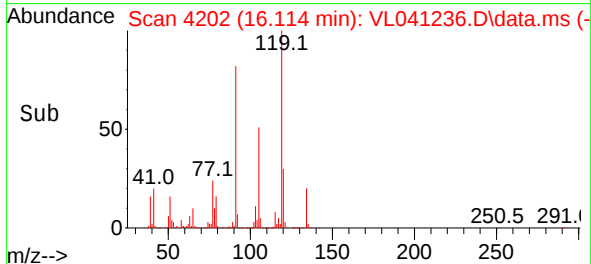
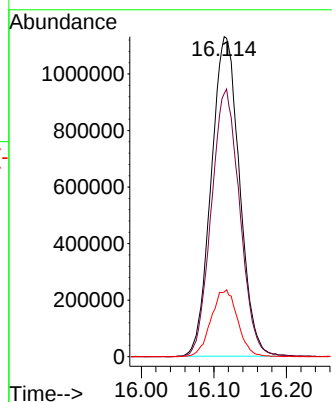
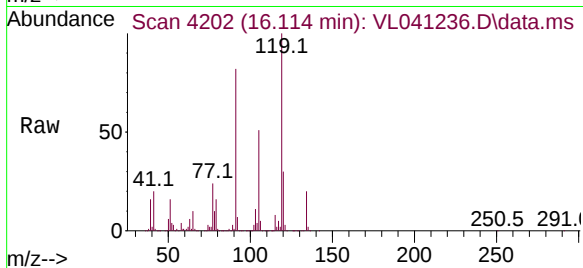




#65
tert-Butylbenzene
Concen: 7.683 ppbv
RT: 16.114 min Scan# 4195
Delta R.T. 0.006 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

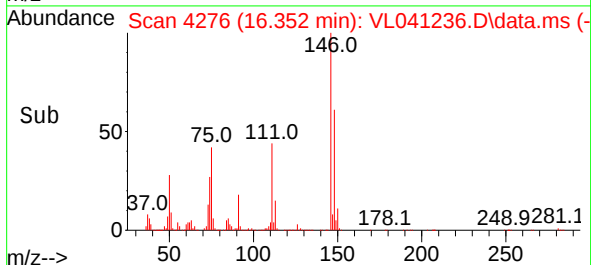
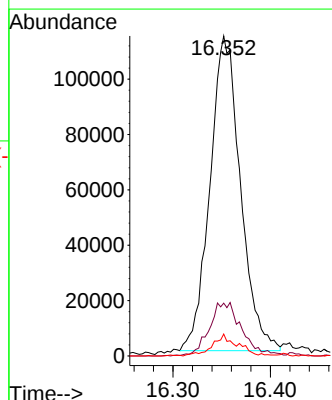
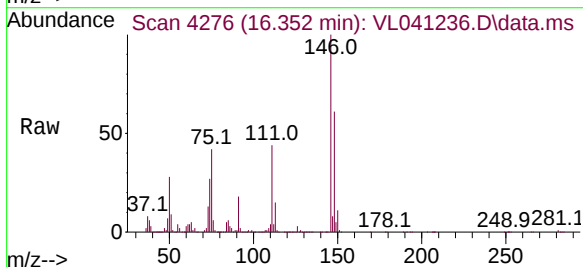
Instrument :
MSVOA_L
ClientSampleId :
VL0508ABS01

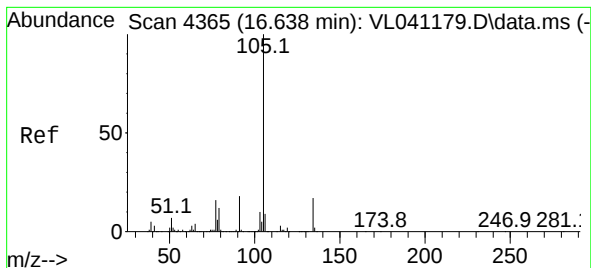
Tgt Ion:119 Resp: 3063874
Ion Ratio Lower Upper
119 100
91 84.0 67.0 100.4
134 19.7 15.2 22.8



#66
Benzyl Chloride
Concen: 5.486 ppbv
RT: 16.352 min Scan# 4276
Delta R.T. 0.003 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

Tgt Ion: 91 Resp: 247651
Ion Ratio Lower Upper
91 100
126 18.4 14.6 21.8
128 5.8 4.7 7.1

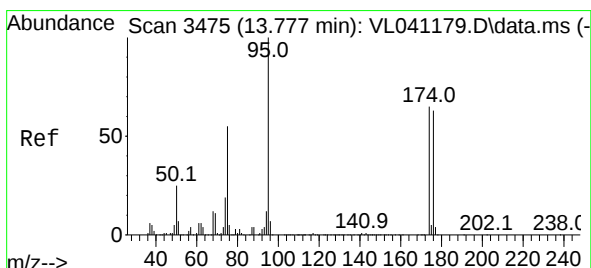
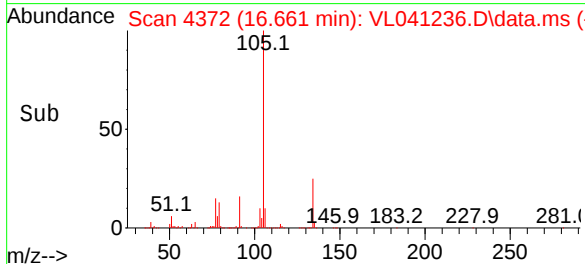
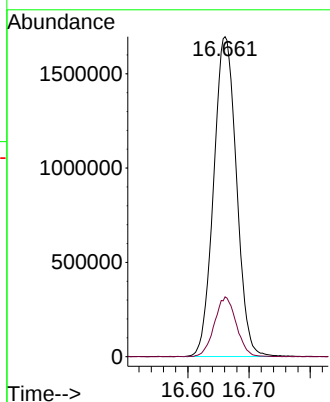
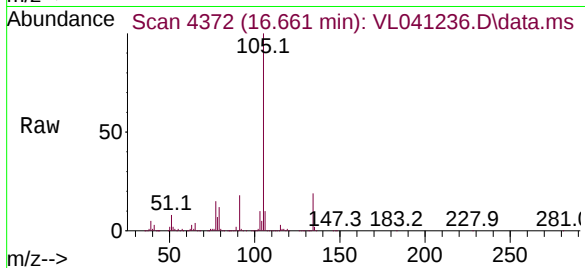




#67
 sec-Butylbenzene
 Concen: 7.832 ppbv
 RT: 16.661 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL041236.D
 Acq: 8 May 2024 10:02

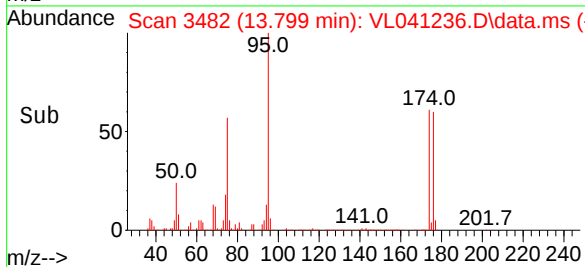
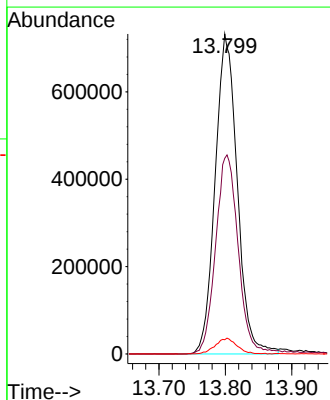
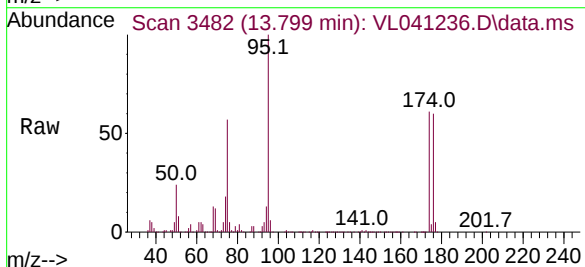
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0508ABS01

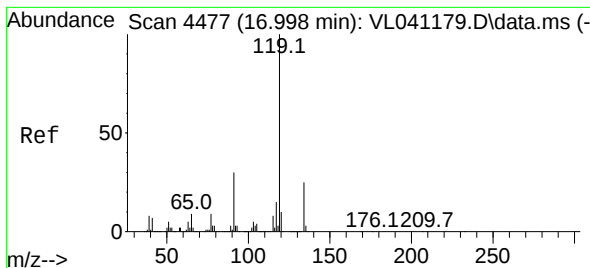
Tgt Ion:105 Resp: 4396817
 Ion Ratio Lower Upper
 105 100
 134 18.0 13.8 20.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.146 ppbv
 RT: 13.799 min Scan# 3482
 Delta R.T. 0.003 min
 Lab File: VL041236.D
 Acq: 8 May 2024 10:02

Tgt Ion: 95 Resp: 1694627
 Ion Ratio Lower Upper
 95 100
 174 64.9 53.6 80.4
 175 4.9 4.2 6.4





#69

p-Isopropyltoluene

Concen: 7.913 ppbv

RT: 17.021 min Scan# 4477

Delta R.T. 0.006 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_1

ClientSampleId :

VL0508ABS01

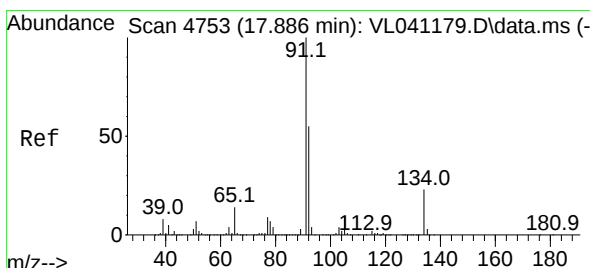
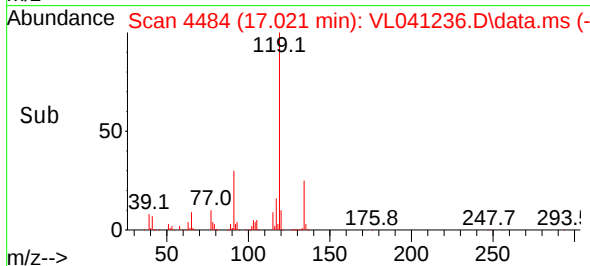
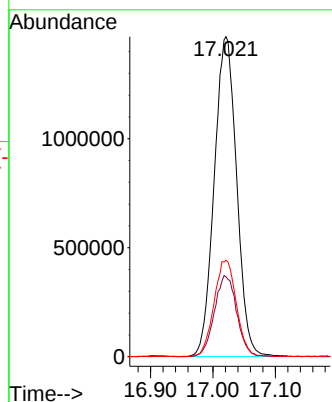
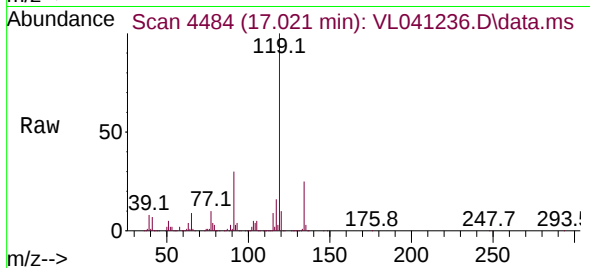
Tgt Ion:119 Resp: 3660835

Ion Ratio Lower Upper

119 100

134 25.4 20.1 30.1

91 30.1 24.2 36.2



#70

n-Butylbenzene

Concen: 7.926 ppbv

RT: 17.912 min Scan# 4761

Delta R.T. 0.006 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

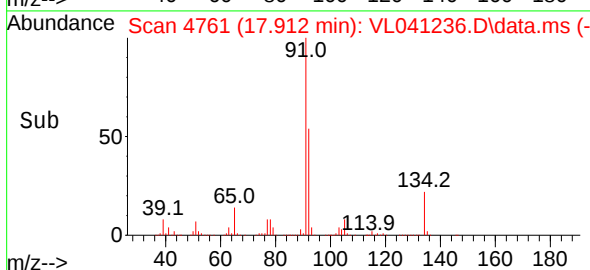
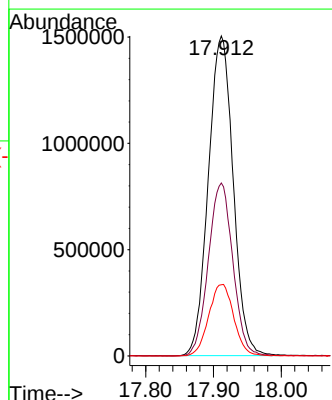
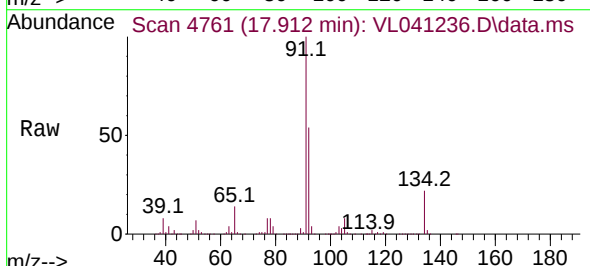
Tgt Ion: 91 Resp: 3829495

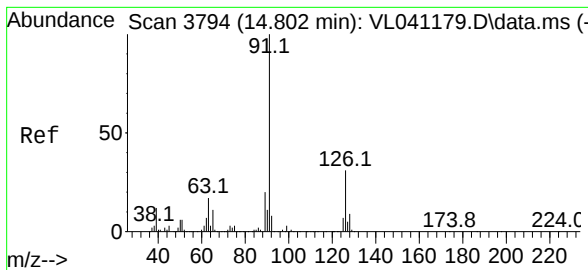
Ion Ratio Lower Upper

91 100

92 53.5 43.3 64.9

134 22.7 17.8 26.8

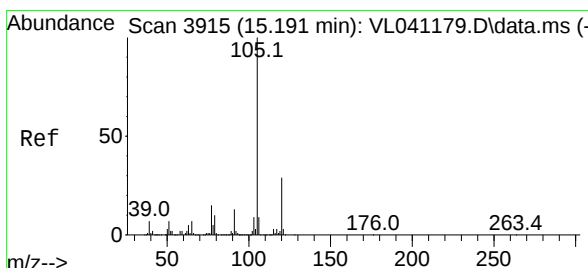
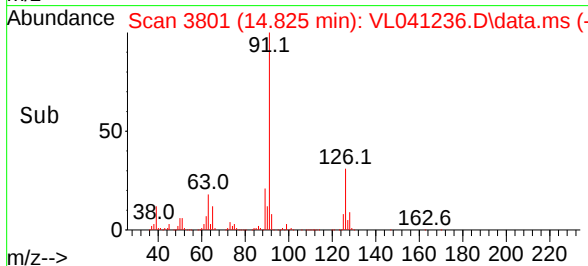
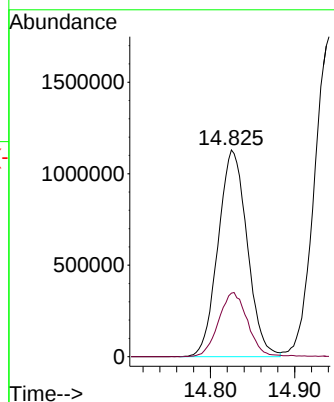
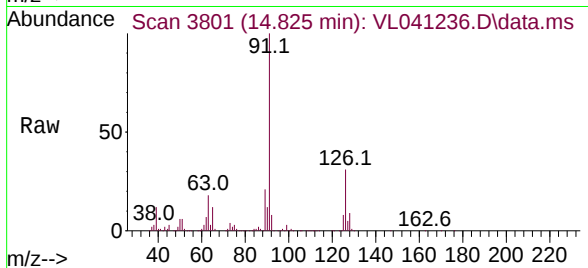




#71
2-Chlorotoluene
Concen: 7.983 ppbv
RT: 14.825 min Scan# 3794
Delta R.T. 0.003 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

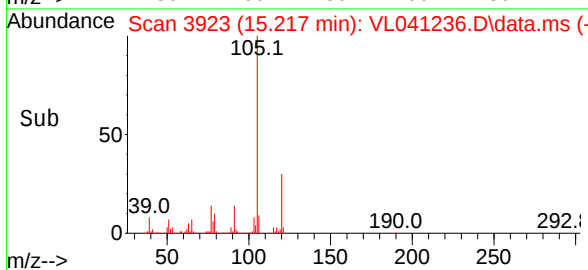
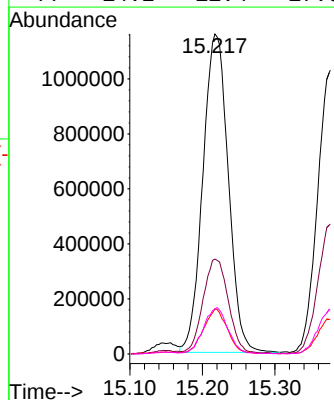
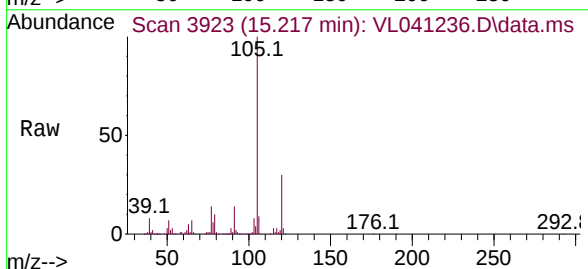
Instrument :
MSVOA_L
ClientSampleId :
VL0508ABS01

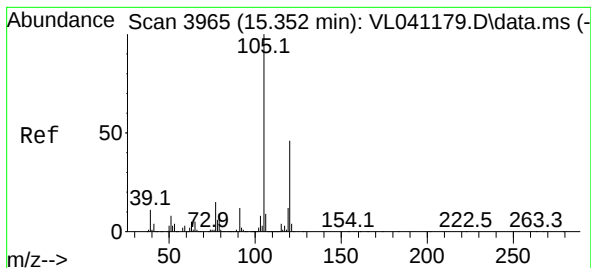
Tgt Ion: 91 Resp: 2706191
Ion Ratio Lower Upper
91 100
126 31.5 12.2 48.8



#72
4-Ethyltoluene
Concen: 8.359 ppbv
RT: 15.217 min Scan# 3923
Delta R.T. 0.006 min
Lab File: VL041236.D
Acq: 8 May 2024 10:02

Tgt Ion:105 Resp: 2818445
Ion Ratio Lower Upper
105 100
120 30.3 24.7 37.1
91 13.3 10.3 15.5
77 14.2 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 8.104 ppbv

RT: 15.378 min Scan# 3965

Delta R.T. 0.006 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_1

ClientSampleId :

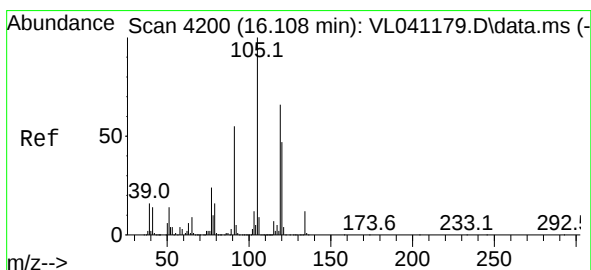
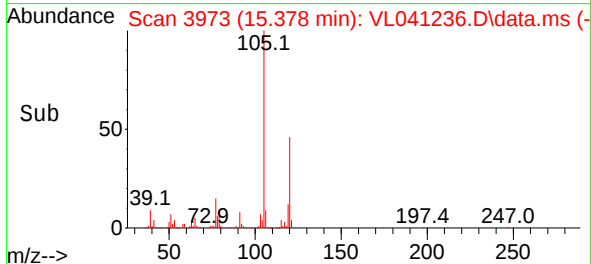
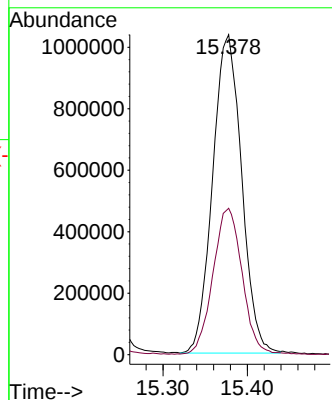
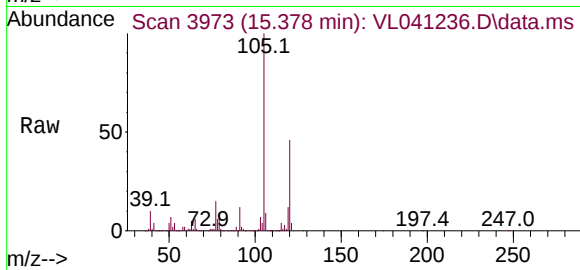
VL0508ABS01

Tgt Ion:105 Resp: 2472212

Ion Ratio Lower Upper

105 100

120 45.8 37.0 55.4



#74

1,2,4-Trimethylbenzene

Concen: 8.133 ppbv

RT: 16.133 min Scan# 4208

Delta R.T. 0.006 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Tgt Ion:105 Resp: 2709778

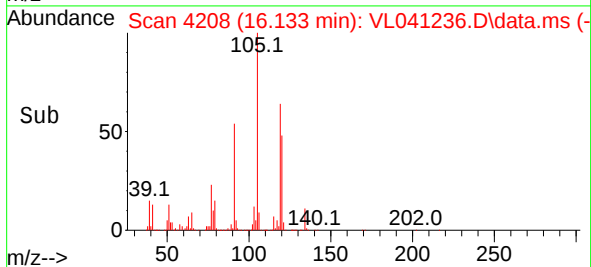
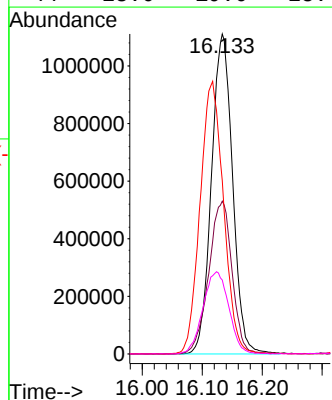
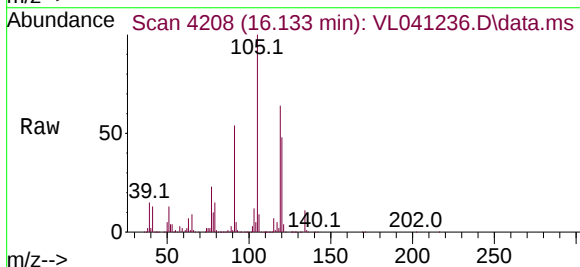
Ion Ratio Lower Upper

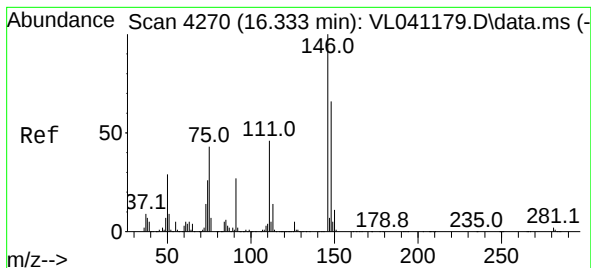
105 100

120 47.6 37.8 56.6

91 54.0 44.3 66.5

77 23.0 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 8.403 ppbv

RT: 16.359 min Scan# 431

Delta R.T. 0.010 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_L

ClientSampleId :

VL0508ABS01

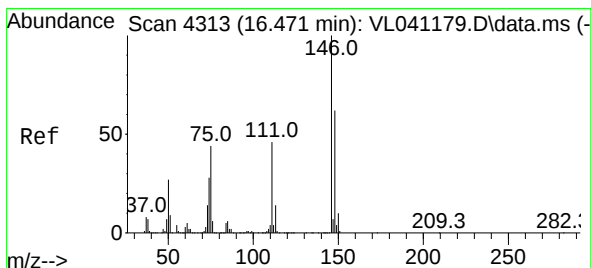
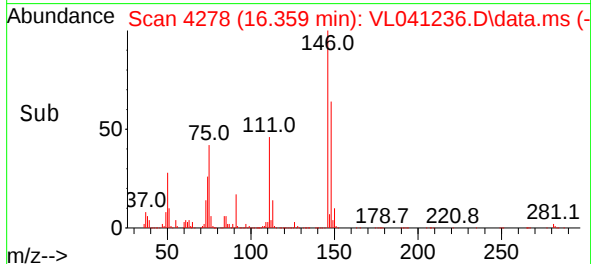
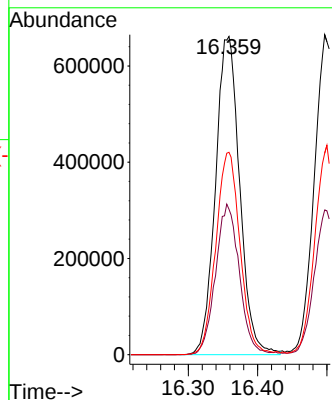
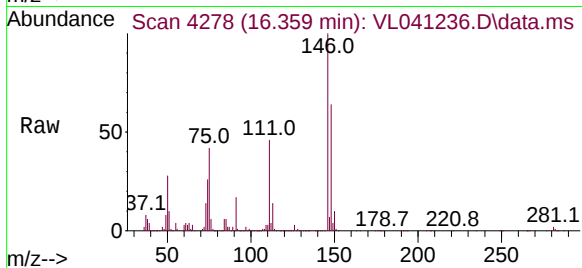
Tgt Ion:146 Resp: 1605394

Ion Ratio Lower Upper

146 100

111 46.7 23.7 71.1

148 64.0 32.5 97.4



#76

1,4-Dichlorobenzene

Concen: 8.494 ppbv

RT: 16.497 min Scan# 4321

Delta R.T. 0.003 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

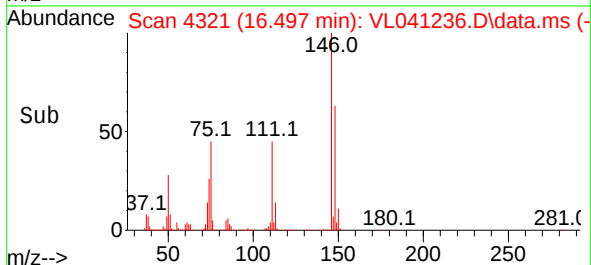
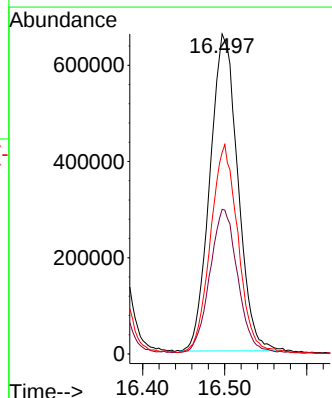
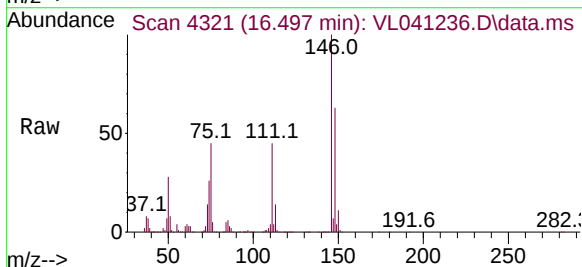
Tgt Ion:146 Resp: 1560486

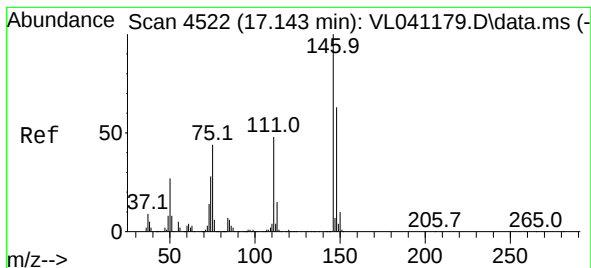
Ion Ratio Lower Upper

146 100

111 46.6 23.3 69.8

148 66.1 32.6 97.7





#77

1,2-Dichlorobenzene

Concen: 8.183 ppbv

RT: 17.169 min Scan# 4530

Delta R.T. 0.006 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_L

ClientSampleId :

VL0508ABS01

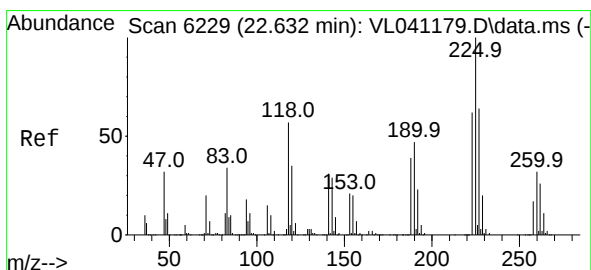
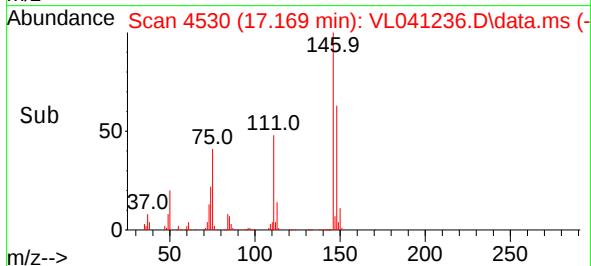
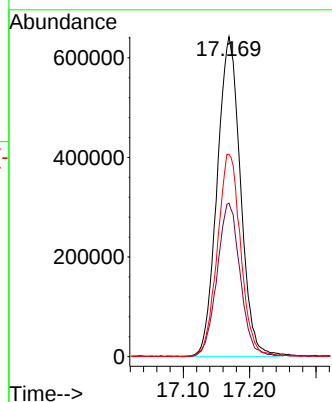
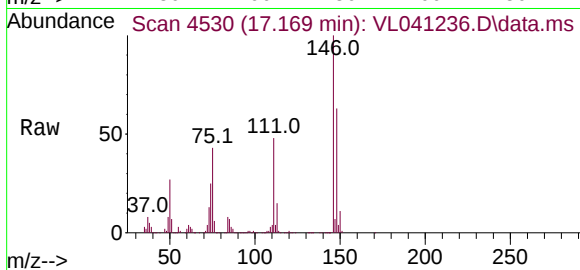
Tgt Ion:146 Resp: 1562725

Ion Ratio Lower Upper

146 100

111 48.3 24.5 73.5

148 63.8 32.6 98.0



#78

Hexachloro-1,3-Butadiene

Concen: 6.539 ppbv

RT: 22.664 min Scan# 6239

Delta R.T. 0.006 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

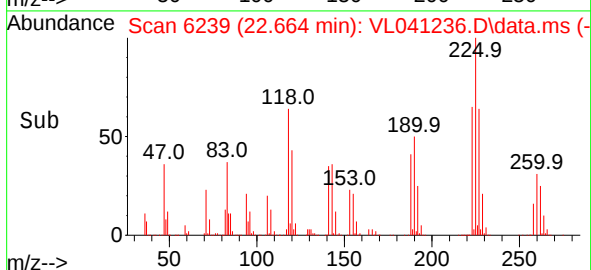
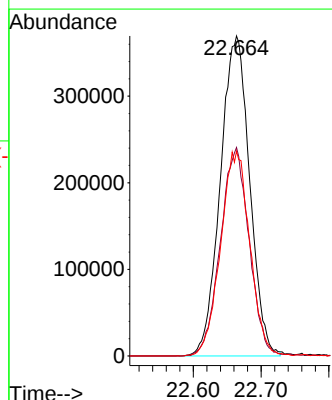
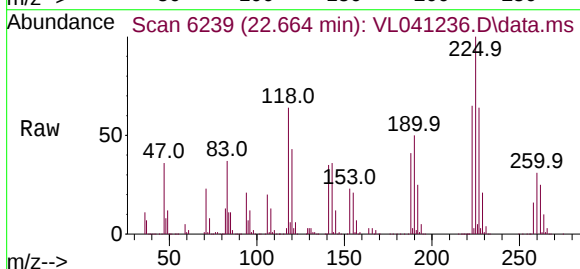
Tgt Ion:225 Resp: 1109777

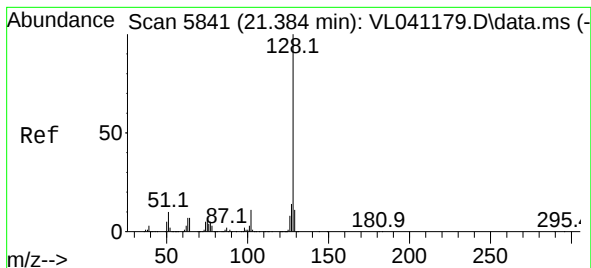
Ion Ratio Lower Upper

225 100

223 64.3 50.9 76.3

227 64.1 52.0 78.0





#79

Naphthalene

Concen: 4.213 ppbv

RT: 21.407 min Scan# 5848

Delta R.T. 0.003 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

Instrument :

MSVOA_1

ClientSampleId :

VL0508ABS01

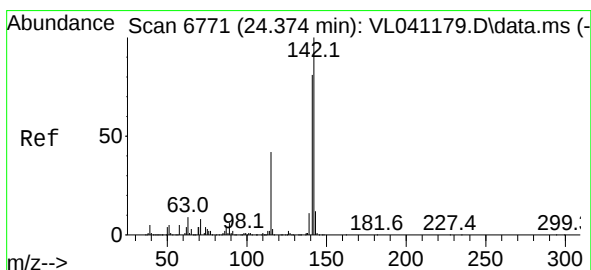
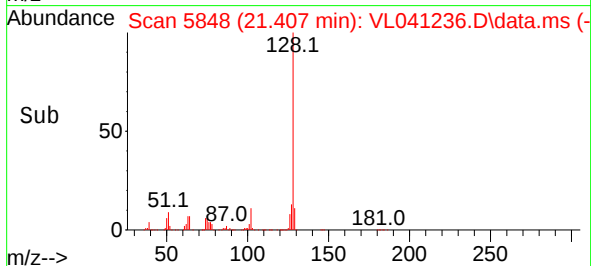
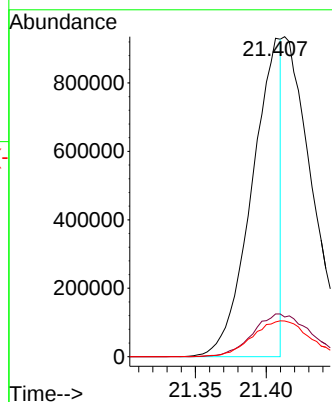
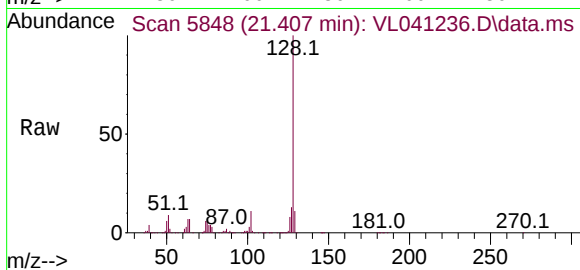
Tgt Ion:128 Resp: 1336666

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

129 10.9 8.9 13.3



#80

Naphthalene,2-methyl-

Concen: 6.895 ppbv

RT: 24.397 min Scan# 6778

Delta R.T. 0.006 min

Lab File: VL041236.D

Acq: 8 May 2024 10:02

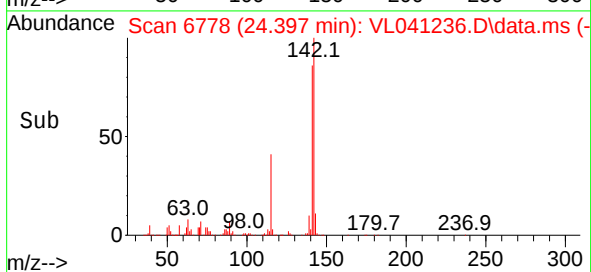
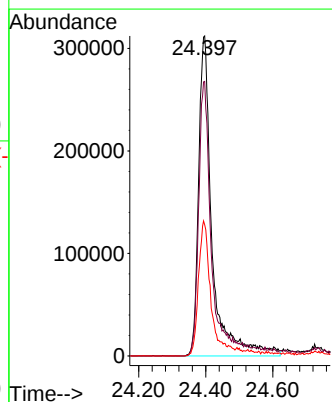
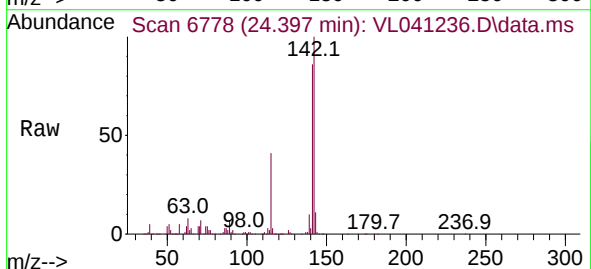
Tgt Ion:142 Resp: 880079

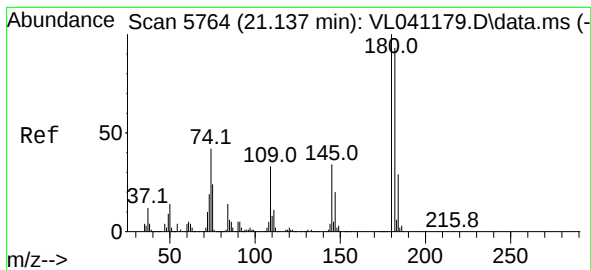
Ion Ratio Lower Upper

142 100

141 82.7 67.9 101.9

115 39.7 31.4 47.0





#81
 1,2,4-Trichlorobenzene
 Concen: 7.779 ppbv
 RT: 21.165 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL041236.D
 Acq: 8 May 2024 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0508ABS01

Tgt Ion:180 Resp: 1303207
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.2 115.8
 184 30.2 24.6 36.8

