

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041186.D
 Acq On : 29 Apr 2024 16:07
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 30 05:51:25 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 : Tue Apr 30 05:46:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	893295	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2276414	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2243763	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1657417	9.784	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.723	85	1368658	11.327	ppbv	99
3) Chlorodifluoromethane	2.668	51	1410019	10.393	ppbv	100
4) Chloromethane	2.806	50	571176	10.729	ppbv	94
5) Vinyl Chloride	2.912	62	568679	10.633	ppbv	98
6) Bromomethane	3.115	94	188896	9.681	ppbv	98
7) Chloroethane	3.192	64	197315	10.450	ppbv	97
8) Dichlorotetrafluoroethane	2.851	85	1285750	10.280	ppbv	97
9) Propene	2.687	41	559271	10.533	ppbv	98
10) Heptane	7.578	43	1333261	10.364	ppbv	99
11) Trichlorofluoromethane	3.555	101	1286132	10.473	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.060	101	951186	10.474	ppbv	99
13) Ethanol	3.231	45	111411	9.361	ppbv	94
14) Bromoethene	3.359	108	390641	10.423	ppbv	96
15) Acetone	3.462	43	1034358	9.811	ppbv	98
16) 1,3-Butadiene	2.980	39	586237	11.016	ppbv	97
17) tert-Butyl alcohol	3.870	59	1260539	11.084	ppbv	99
18) 1,1-Dichloroethene	3.874	96	434348	10.727	ppbv	97
19) Isopropyl Alcohol	3.568	45	801331	11.583	ppbv #	43
20) Methylene Chloride	3.928	84	362601	9.891	ppbv	93
21) Allyl Chloride	3.989	41	726158	10.564	ppbv	98
22) trans-1,2-Dichloroethene	4.440	96	442043	10.498	ppbv	97
23) Vinyl Acetate	4.620	43	1261865	10.870	ppbv	99
24) 1,1-Dichloroethane	4.558	63	957175	10.603	ppbv	99
25) Ethyl Acetate	5.202	43	2225745	10.577	ppbv	100
26) Hexane	5.208	57	984682	10.486	ppbv	98
27) Carbon Disulfide	4.121	76	1174842	10.569	ppbv	98
28) Methyl tert-Butyl Ether	4.581	73	777294	10.396	ppbv	99
29) Chloroform	5.272	83	1386020	10.699	ppbv	100
30) Cyclohexane	6.600	84	791750	10.651	ppbv	100
31) cis-1,2-Dichloroethene	5.073	61	960086	10.921	ppbv	99
32) 1,1,1-Trichloroethane	6.002	97	1376318	10.648	ppbv	99
34) 2-Butanone	4.784	43	1316831	11.365	ppbv	100
35) Carbon Tetrachloride	6.491	117	1391481	10.892	ppbv	98
36) Benzene	6.369	78	2001293	10.476	ppbv	99
37) 1,2-Dichloroethane	5.806	62	1086990	10.906	ppbv	100
38) Trichloroethene	7.292	130	704357	9.894	ppbv	98
39) 1,2-Dichloropropane	7.073	63	789305	10.721	ppbv	97
40) 1,4-Dioxane	7.282	88	301403	11.459	ppbv	92
41) Tetrahydrofuran	5.552	42	880889	10.502	ppbv	99
42) Bromodichloromethane	7.246	83	1572664	11.002	ppbv	98
43) Methyl Methacrylate	7.475	69	816783	10.571	ppbv	98
44) 2,2,4-Trimethylpentane	7.327	57	3384698	10.276	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	601911	10.750	ppbv	97

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

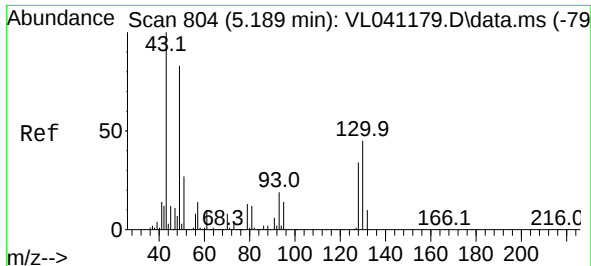
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Apr 30 05:46:58 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	714722	10.427	ppbv	95
47) 1,1,2-Trichloroethane	8.896	97	787119	10.682	ppbv	99
48) Dibromochloromethane	9.709	129	1293536	11.017	ppbv	100
49) Bromoform	12.410	173	1125747	11.271	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	2086731	10.036	ppbv	99
51) 2-Hexanone	9.549	43	1537564	9.969	ppbv #	100
52) Tetrachloroethene	10.616	164	693859	10.334	ppbv	99
53) Toluene	9.221	91	2294296	10.358	ppbv	99
54) 1,2-Dibromoethane	10.008	107	1066096	10.681	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.507	131	940466	10.337	ppbv	94
57) Chlorobenzene	11.529	112	1639510	9.977	ppbv	98
58) Ethyl Benzene	12.089	91	3047178	9.904	ppbv	99
59) m/p-Xylene	12.372	91	2224909	8.604	ppbv #	13
60) o-Xylene	13.060	91	2389774	9.859	ppbv	99
61) Styrene	12.899	104	1305847	10.199	ppbv	100
62) Isopropylbenzene	14.031	105	3576053	9.864	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	1686414	10.207	ppbv	99
64) n-propylbenzene	14.915	120	918962	10.160	ppbv	100
65) tert-Butylbenzene	16.092	119	3109298	9.575	ppbv	99
66) Benzyl Chloride	16.326	91	281863	7.668	ppbv	99
67) sec-Butylbenzene	16.638	105	4420713	9.671	ppbv	100
69) p-Isopropyltoluene	16.999	119	3648250	9.685	ppbv	100
70) n-Butylbenzene	17.886	91	3844940	9.773	ppbv	100
71) 2-Chlorotoluene	14.799	91	2743141	9.937	ppbv	100
72) 4-Ethyltoluene	15.192	105	2814150	10.250	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	2472069	9.952	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	2679180	9.875	ppbv	98
75) 1,3-Dichlorobenzene	16.333	146	1577586	10.141	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	1556729	10.406	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	1527384	9.822	ppbv	99
78) Hexachloro-1,3-Butadiene	22.632	225	1230545	8.904	ppbv	99
79) Naphthalene	21.381	128	2659048	10.292	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	878304	8.451	ppbv	97
81) 1,2,4-Trichlorobenzene	21.140	180	1343306	9.847	ppbv	100

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

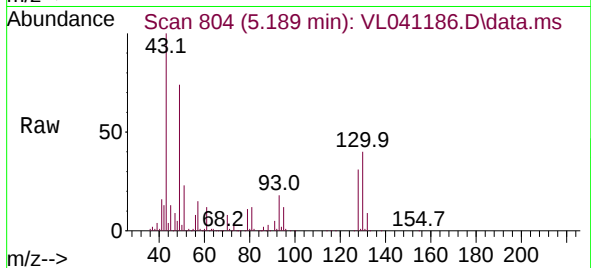
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QLast Update : Tue Apr 30 05:46:58 2024
Response via : Initial Calibration



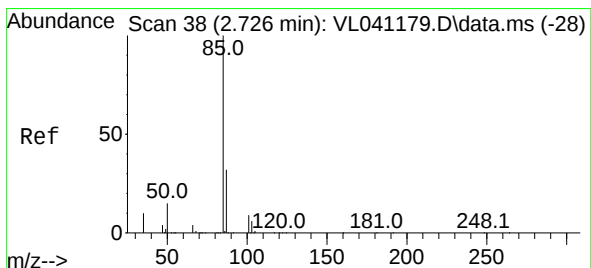
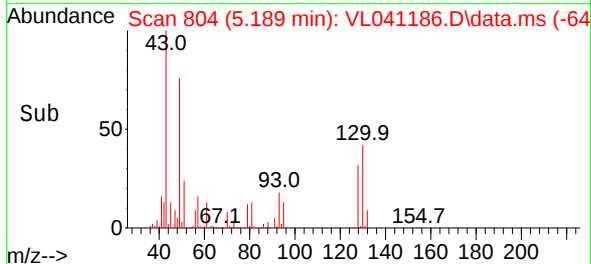
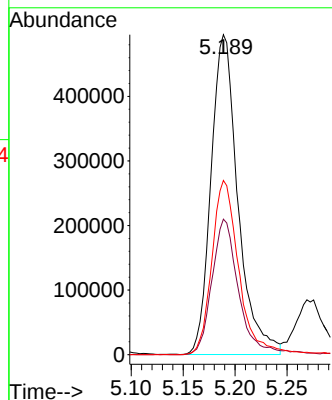


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.189 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL041186.D
 Acq: 29 Apr 2024 16:07

Instrument :
 MSVOA_L
 ClientSampleId :

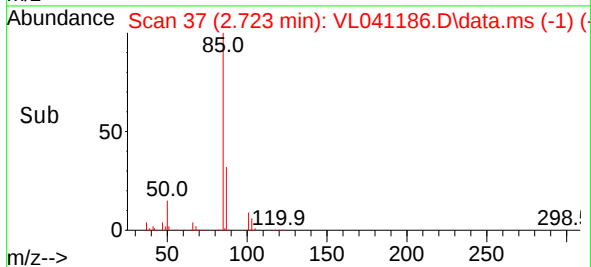
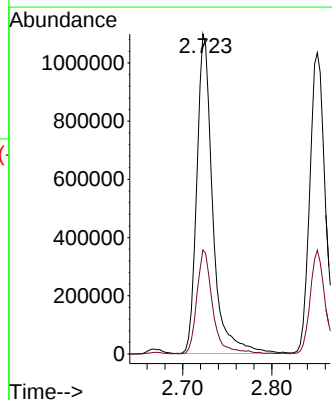
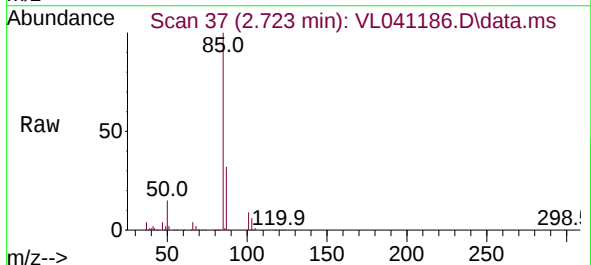


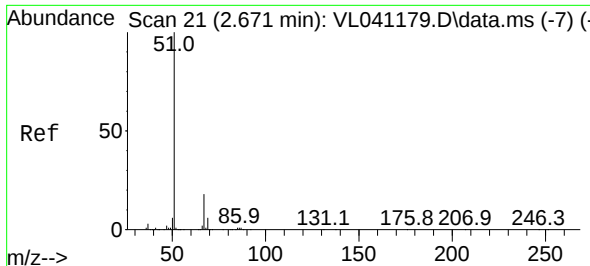
Tgt Ion: 49 Resp: 893295
 Ion Ratio Lower Upper
 49 100
 128 42.8 21.5 64.5
 130 55.4 27.2 81.6



#2
 Dichlorodifluoromethane
 Concen: 11.327 ppbv
 RT: 2.723 min Scan# 37
 Delta R.T. -0.003 min
 Lab File: VL041186.D
 Acq: 29 Apr 2024 16:07

Tgt Ion: 85 Resp: 1368658
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.7 38.5

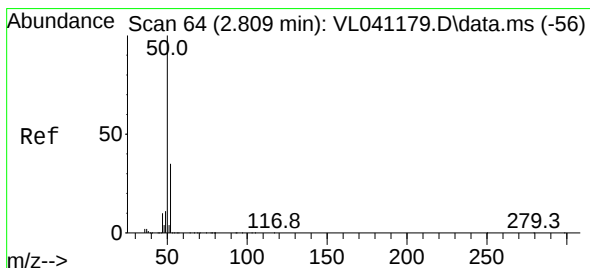
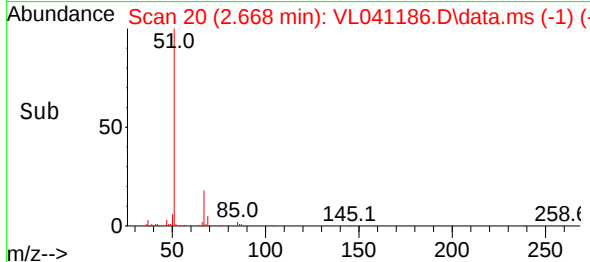
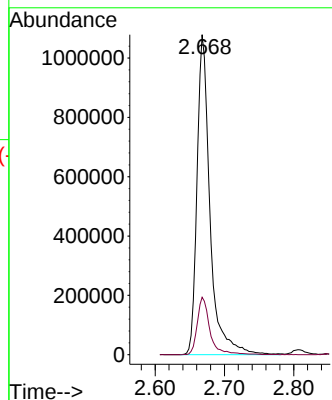
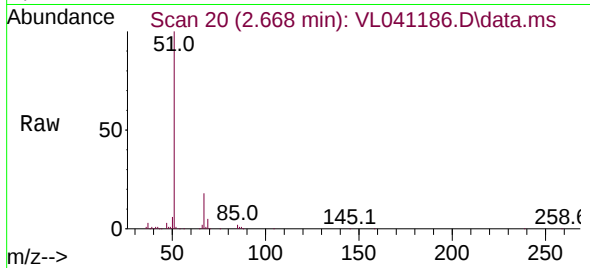




#3
Chlorodifluoromethane
Concen: 10.393 ppbv
RT: 2.668 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

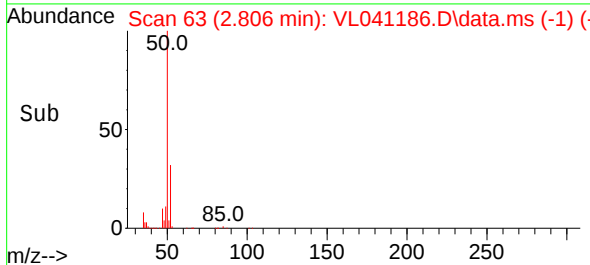
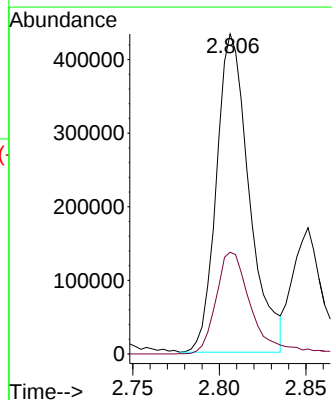
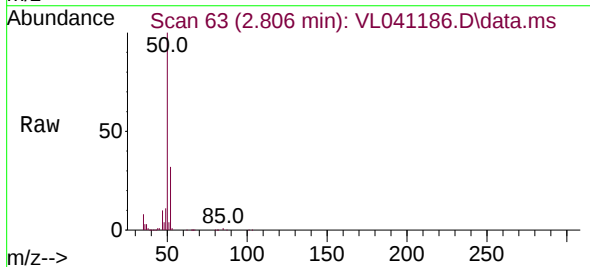
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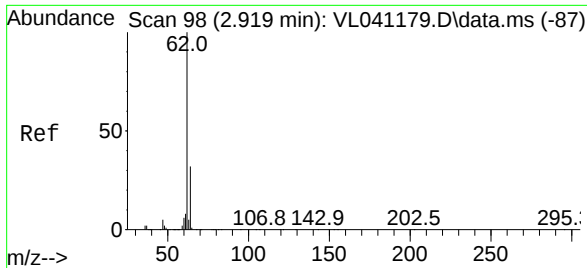
Tgt Ion: 51 Resp: 1410019
Ion Ratio Lower Upper
51 100
67 17.6 14.0 21.0



#4
Chloromethane
Concen: 10.729 ppbv
RT: 2.806 min Scan# 63
Delta R.T. -0.003 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

Tgt Ion: 50 Resp: 571176
Ion Ratio Lower Upper
50 100
52 31.9 28.3 42.5

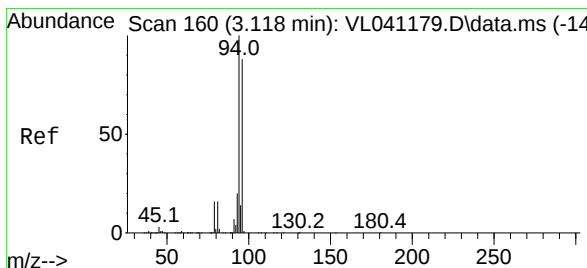
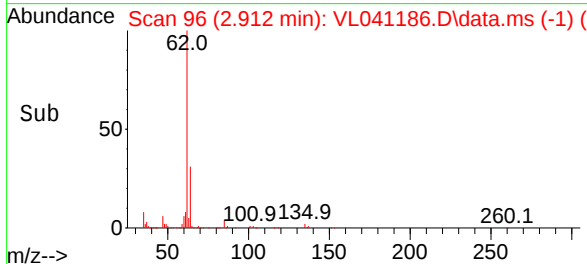
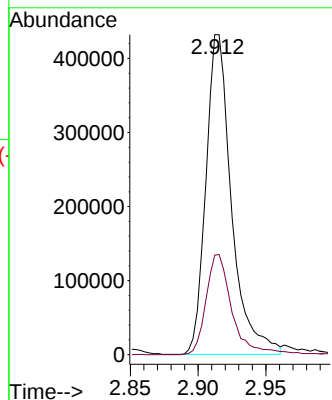
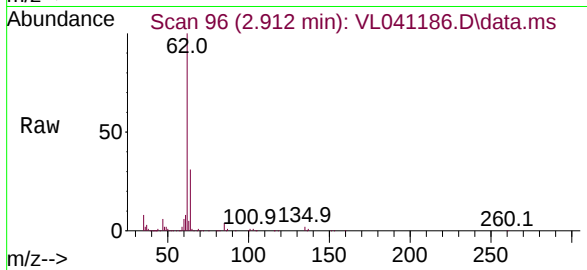




#5
 Vinyl Chloride
 Concen: 10.633 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. -0.006 min
 Lab File: VL041186.D
 Acq: 29 Apr 2024 16:07

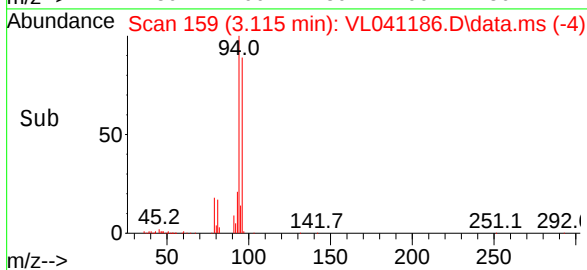
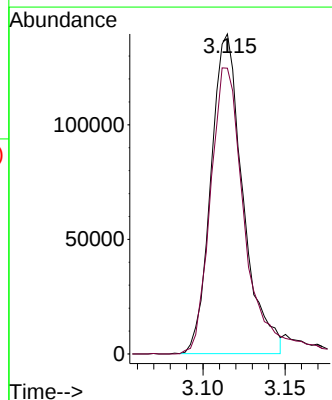
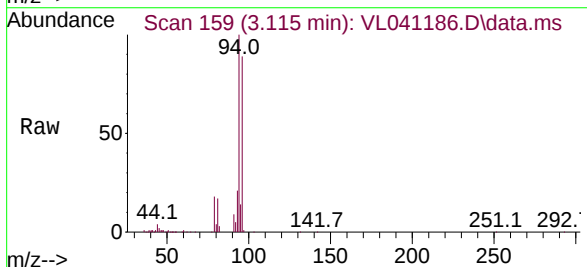
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 ClientSampleId :

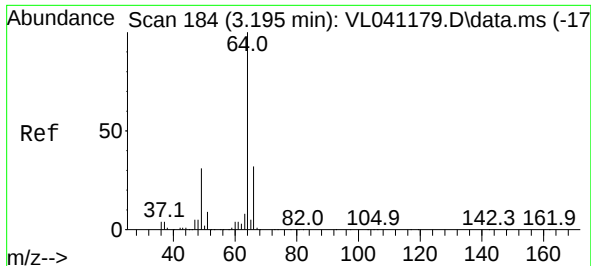
Tgt Ion: 62 Resp: 568679
 Ion Ratio Lower Upper
 62 100
 64 31.1 25.7 38.5



#6
 Bromomethane
 Concen: 9.681 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. -0.003 min
 Lab File: VL041186.D
 Acq: 29 Apr 2024 16:07

Tgt Ion: 94 Resp: 188896
 Ion Ratio Lower Upper
 94 100
 96 89.3 70.1 105.1

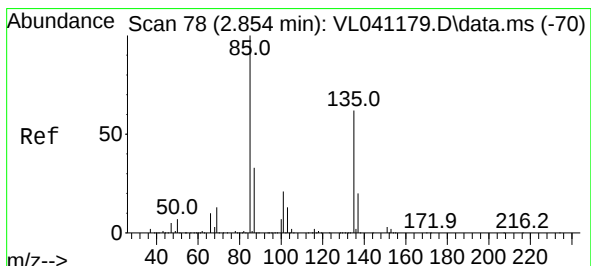
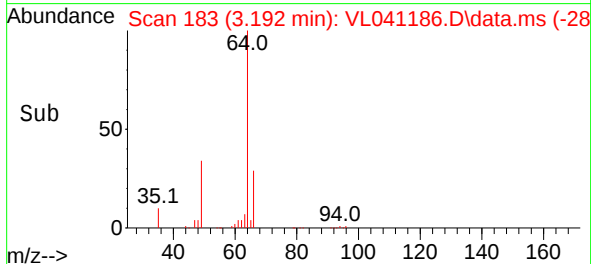
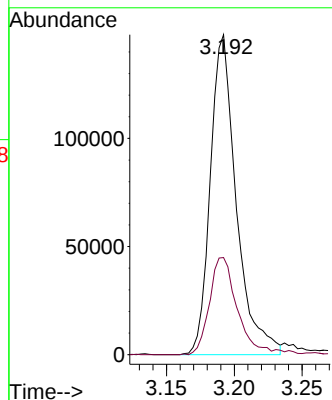
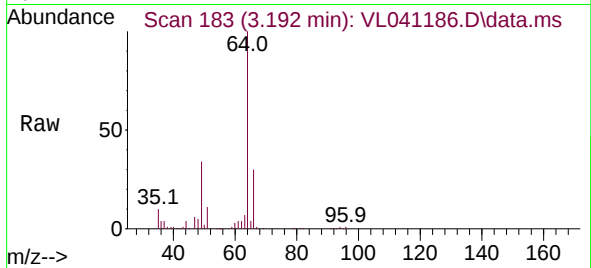




#7
Chloroethane
Concen: 10.450 ppbv
RT: 3.192 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

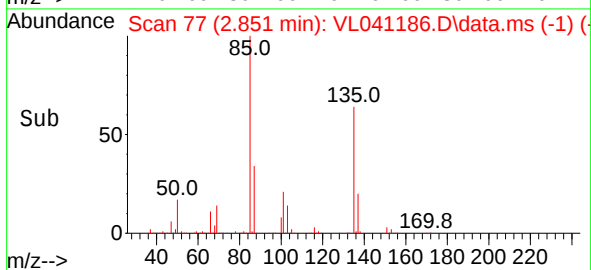
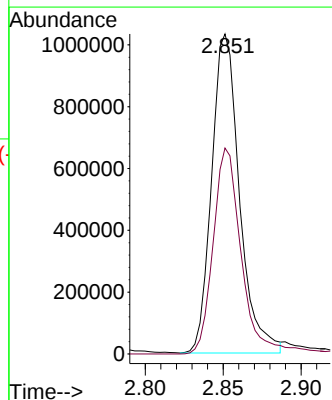
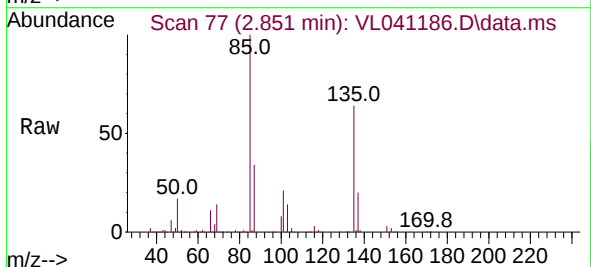
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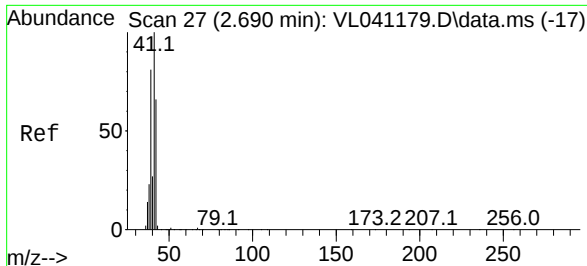
Tgt Ion: 64 Resp: 197315
Ion Ratio Lower Upper
64 100
66 30.4 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 10.280 ppbv
RT: 2.851 min Scan# 77
Delta R.T. -0.003 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

Tgt Ion: 85 Resp: 1285750
Ion Ratio Lower Upper
85 100
135 66.8 51.5 77.3

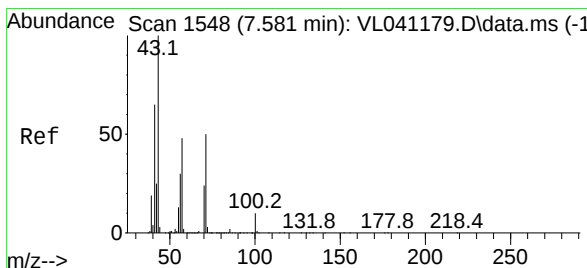
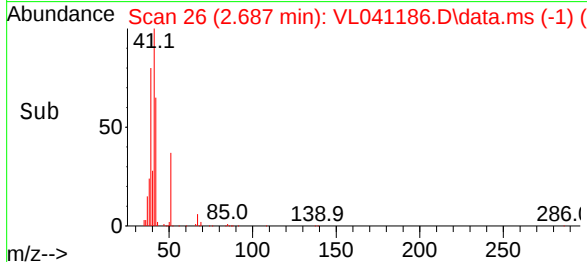
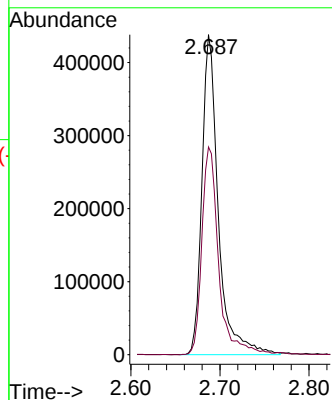
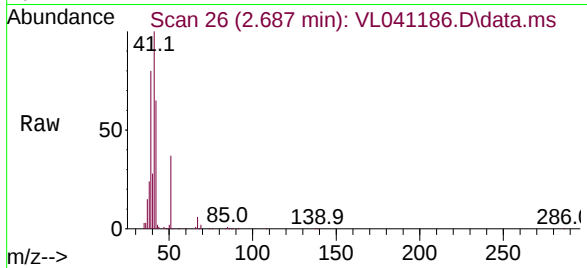




#9
Propene
Concen: 10.533 ppbv
RT: 2.687 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

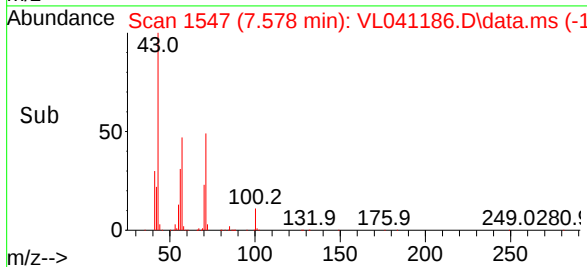
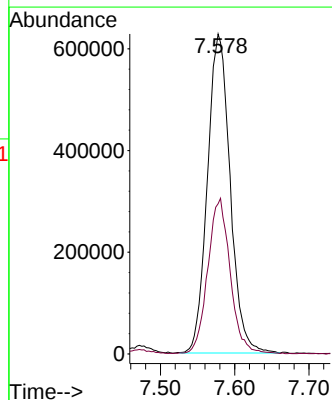
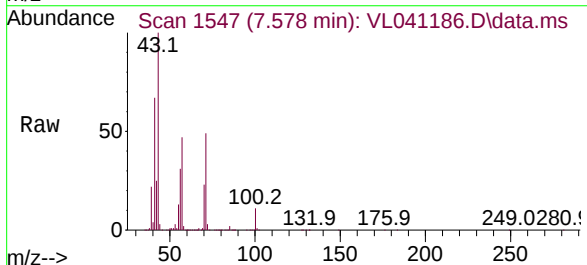
Instrument :
MSVOA_L
ClientSampleId :

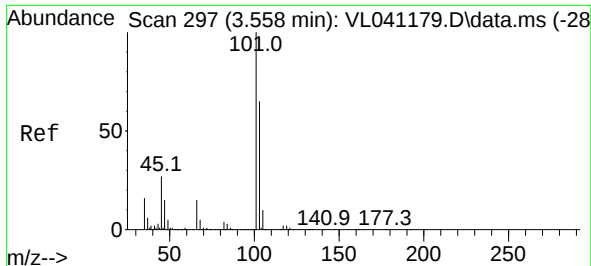
Tgt Ion: 41 Resp: 559271
Ion Ratio Lower Upper
41 100
42 67.4 55.3 82.9



#10
Heptane
Concen: 10.364 ppbv
RT: 7.578 min Scan# 1547
Delta R.T. -0.003 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

Tgt Ion: 43 Resp: 1333261
Ion Ratio Lower Upper
43 100
57 48.0 38.7 58.1





#11

Trichlorofluoromethane

Concen: 10.473 ppbv

RT: 3.555 min Scan# 20

Delta R.T. -0.003 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

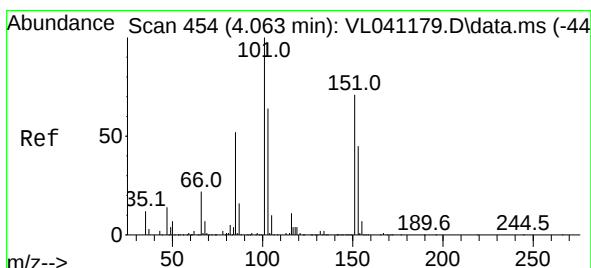
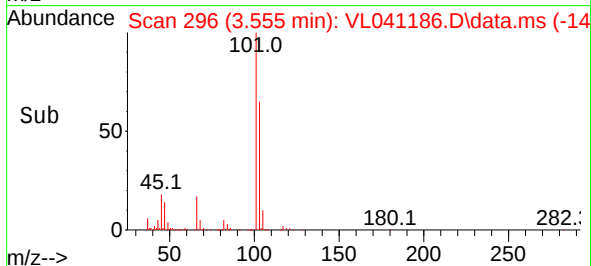
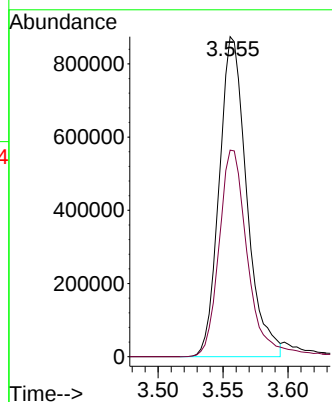
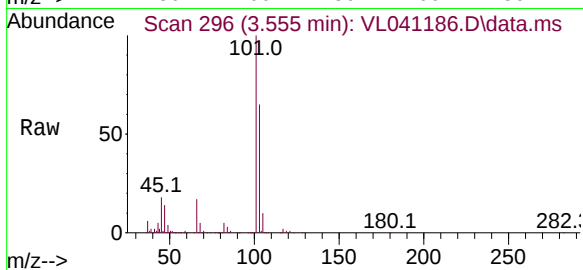
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Tgt Ion:101 Resp: 1286132

Ion Ratio Lower Upper

101 100

103 64.6 51.6 77.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.474 ppbv

RT: 4.060 min Scan# 453

Delta R.T. -0.003 min

Lab File: VL041186.D

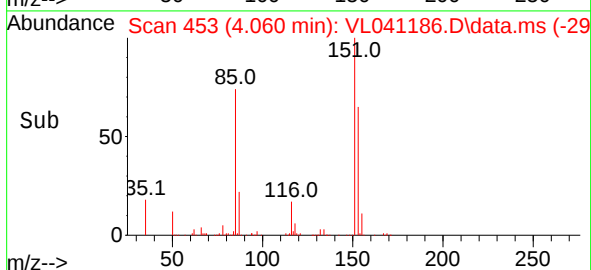
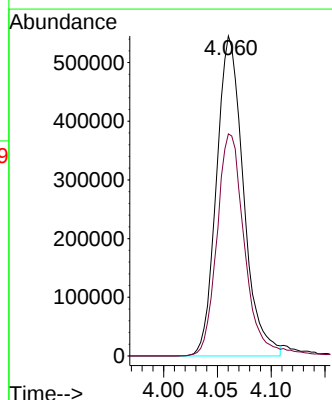
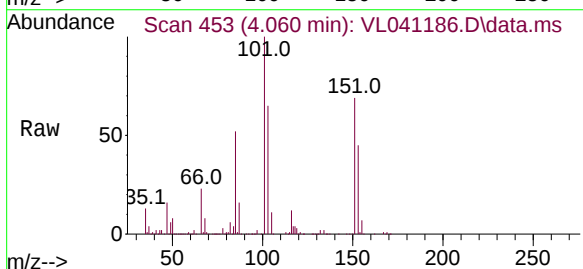
Acq: 29 Apr 2024 16:07

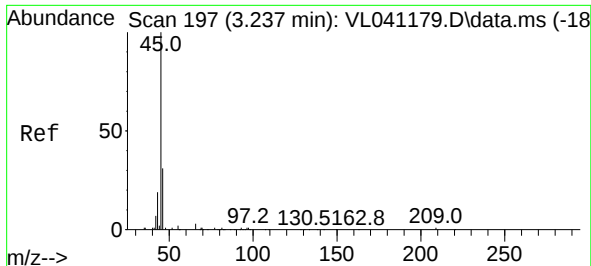
Tgt Ion:101 Resp: 951186

Ion Ratio Lower Upper

101 100

151 72.0 56.8 85.2





#13

Ethanol

Concen: 9.361 ppbv

RT: 3.231 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

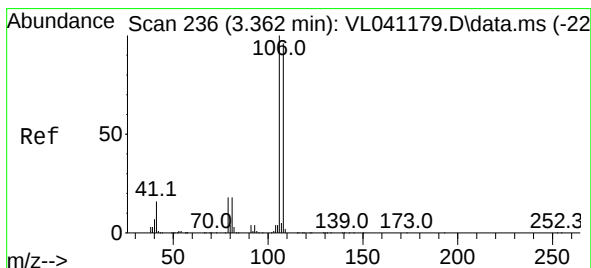
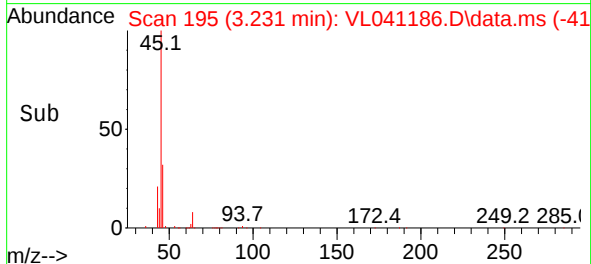
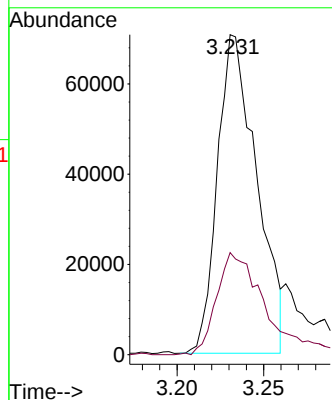
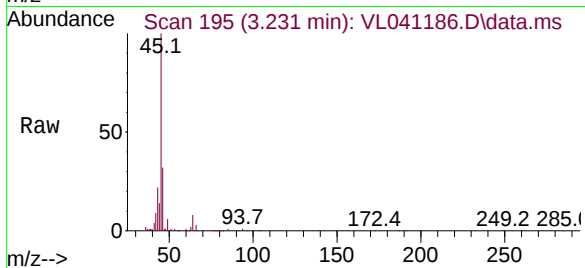
ClientSampleId :

Tgt Ion: 45 Resp: 111411

Ion Ratio Lower Upper

45 100

46 40.6 14.8 59.0



#14

Bromoethene

Concen: 10.423 ppbv

RT: 3.359 min Scan# 235

Delta R.T. -0.003 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

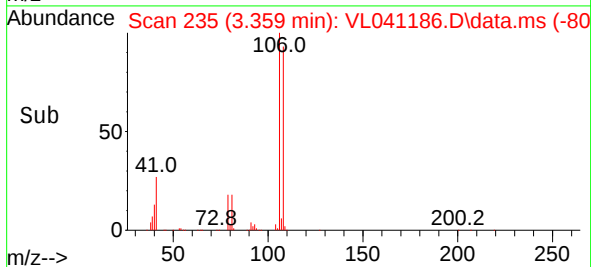
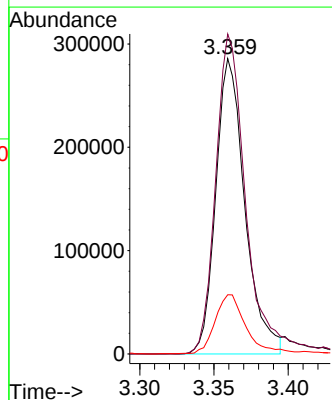
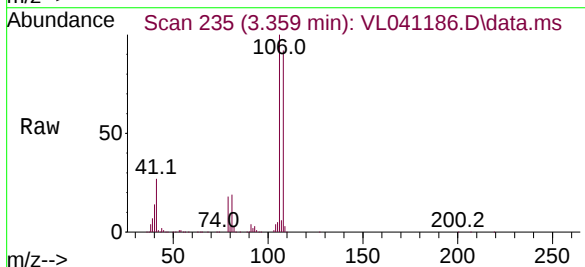
Tgt Ion:108 Resp: 390641

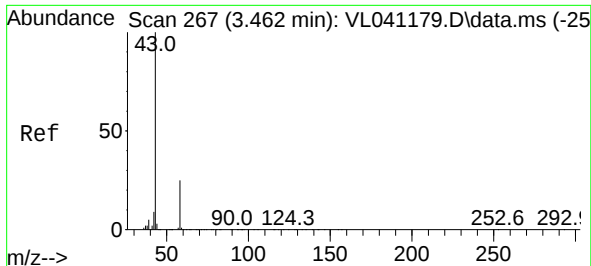
Ion Ratio Lower Upper

108 100

106 114.9 88.2 132.4

79 22.7 17.4 26.0





#15

Acetone

Concen: 9.811 ppbv

RT: 3.462 min Scan# 20

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

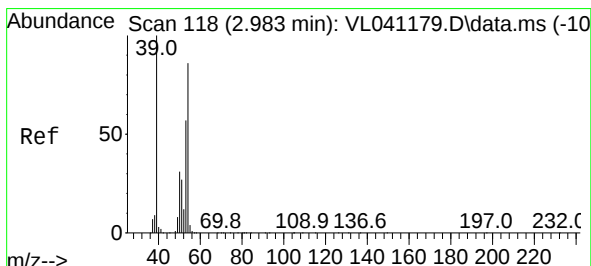
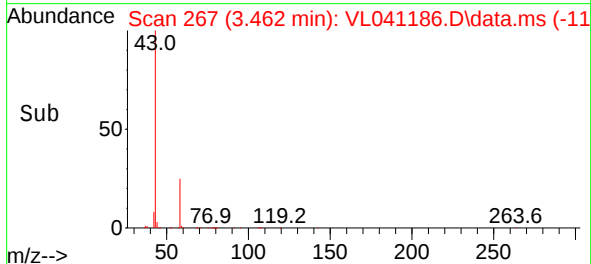
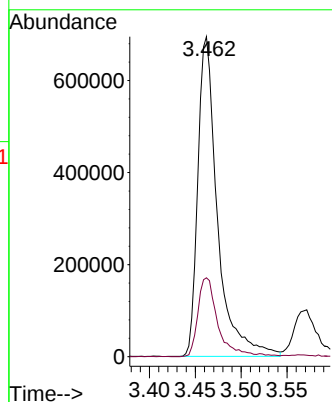
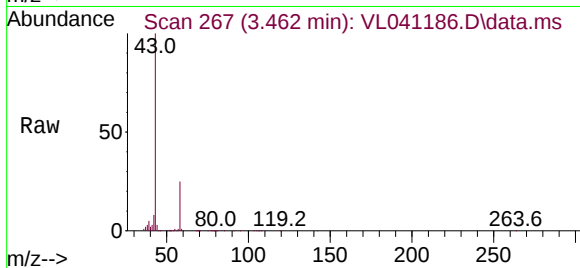
ClientSampleId :

Tgt Ion: 43 Resp: 1034358

Ion Ratio Lower Upper

43 100

58 25.5 21.4 32.0



#16

1,3-Butadiene

Concen: 11.016 ppbv

RT: 2.980 min Scan# 117

Delta R.T. -0.003 min

Lab File: VL041186.D

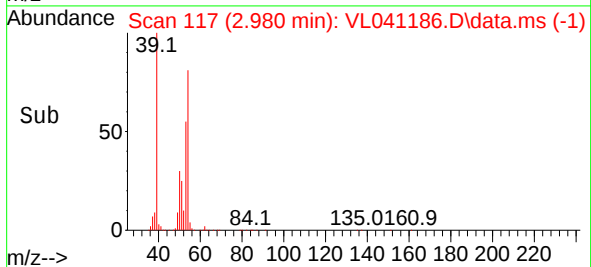
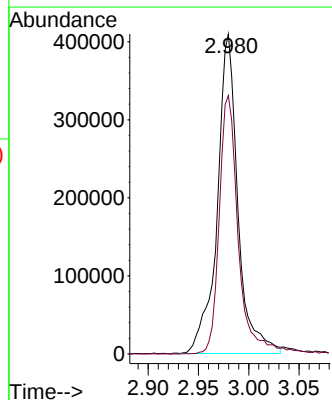
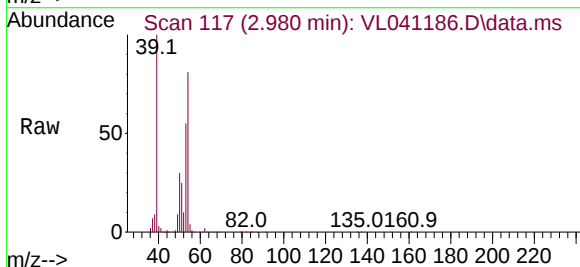
Acq: 29 Apr 2024 16:07

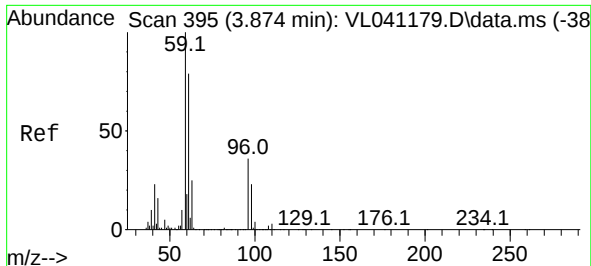
Tgt Ion: 39 Resp: 586237

Ion Ratio Lower Upper

39 100

54 75.5 62.2 93.4

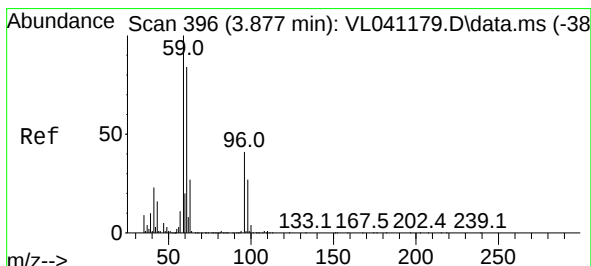
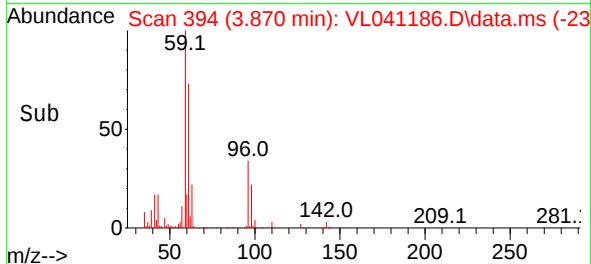
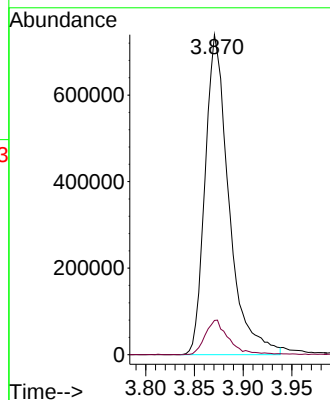
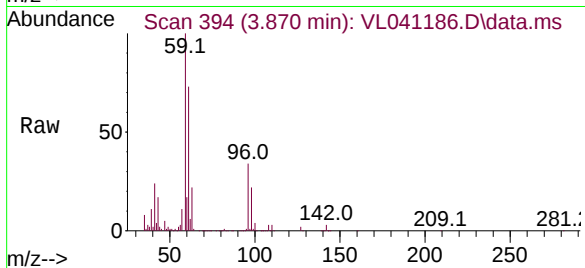




#17
tert-Butyl alcohol
Concen: 11.084 ppbv
RT: 3.870 min Scan# 395
Delta R.T. -0.003 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

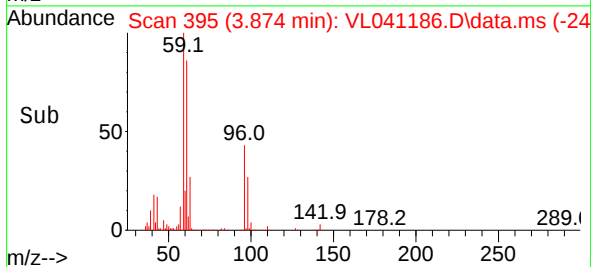
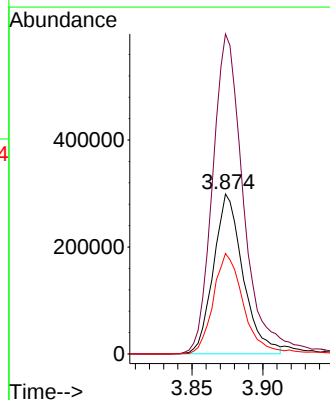
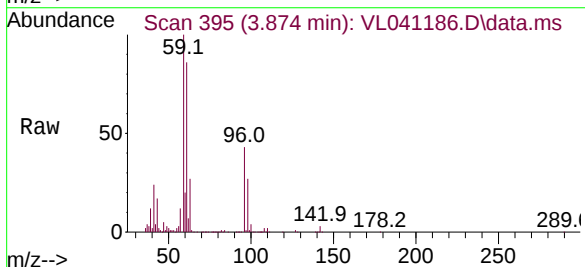
Instrument :
MSVOA_L
ClientSampleId :

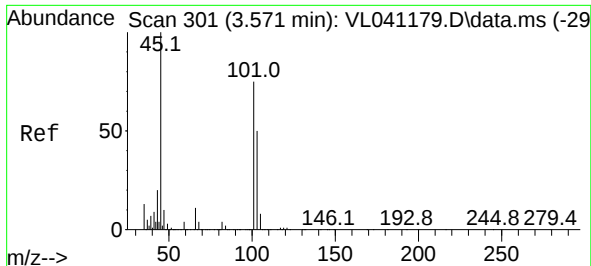
Tgt Ion: 59 Resp: 1260539
Ion Ratio Lower Upper
59 100
57 10.9 8.4 12.6



#18
1,1-Dichloroethene
Concen: 10.727 ppbv
RT: 3.874 min Scan# 395
Delta R.T. -0.003 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

Tgt Ion: 96 Resp: 434348
Ion Ratio Lower Upper
96 100
61 199.8 164.4 246.6
98 62.7 51.8 77.8





#19

Isopropyl Alcohol

Concen: 11.583 ppbv

RT: 3.568 min Scan# 301

Delta R.T. -0.003 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

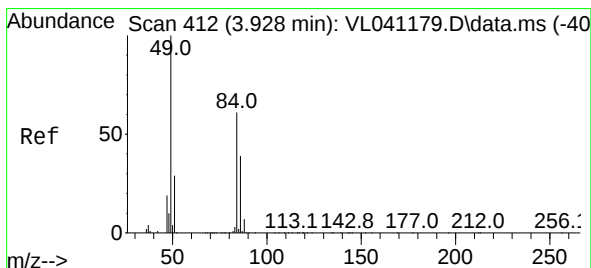
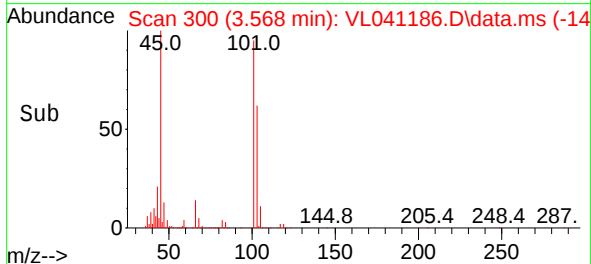
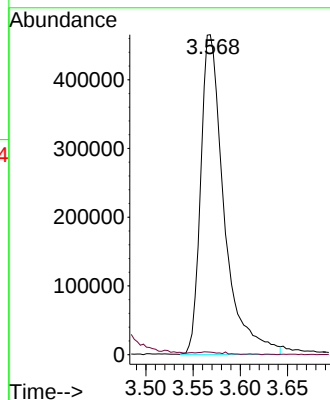
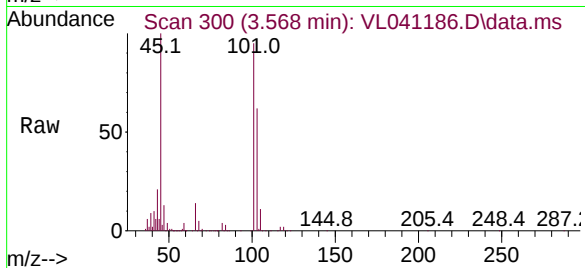
ClientSampleId :

Tgt Ion: 45 Resp: 801331

Ion Ratio Lower Upper

45 100

58 1.3 26.8 40.2#



#20

Methylene Chloride

Concen: 9.891 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Tgt Ion: 84 Resp: 362601

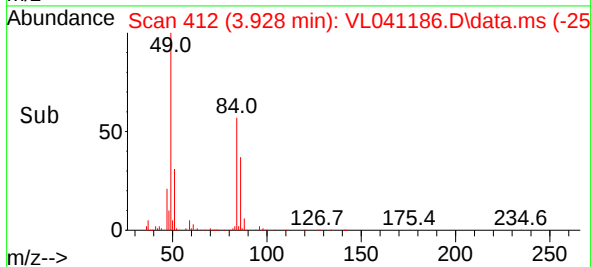
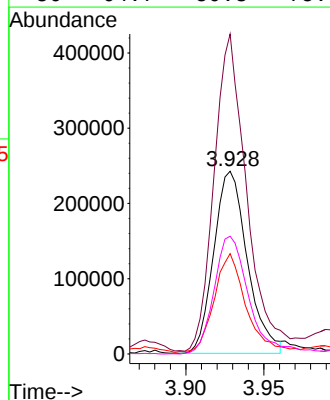
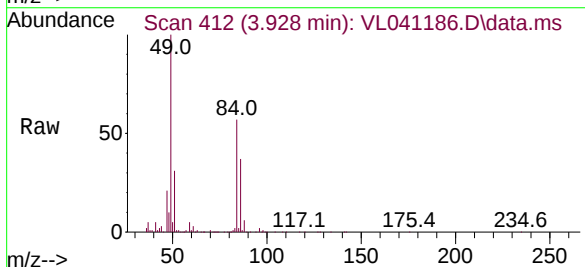
Ion Ratio Lower Upper

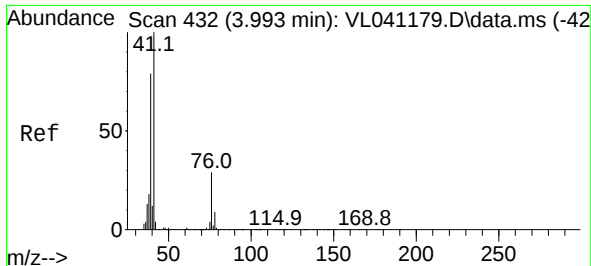
84 100

49 173.8 130.4 195.6

51 53.7 38.0 57.0

86 64.7 50.3 75.5





#21

Allyl Chloride

Concen: 10.564 ppbv

RT: 3.989 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

ClientSampleId :

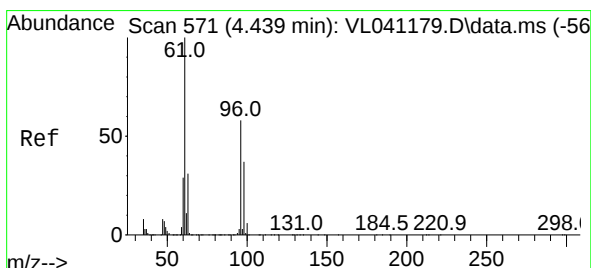
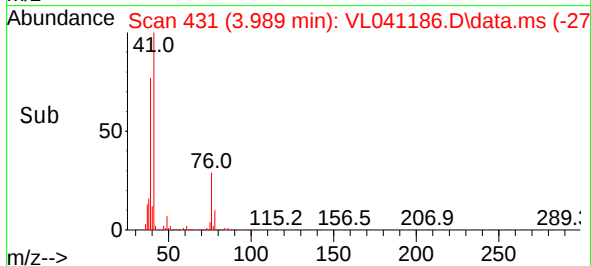
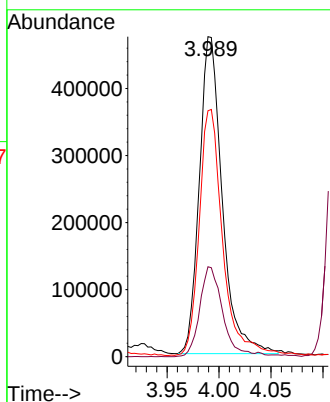
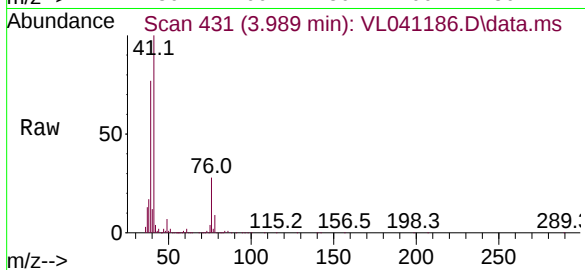
Tgt Ion: 41 Resp: 726158

Ion Ratio Lower Upper

41 100

76 29.0 23.7 35.5

39 79.3 64.7 97.1



#22

trans-1,2-Dichloroethene

Concen: 10.498 ppbv

RT: 4.440 min Scan# 571

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

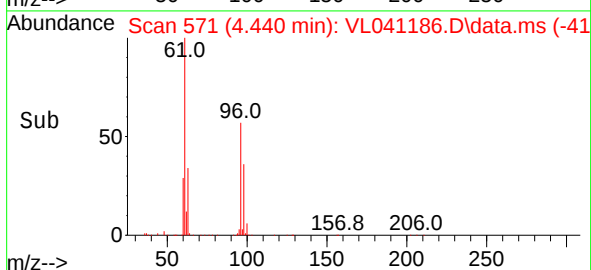
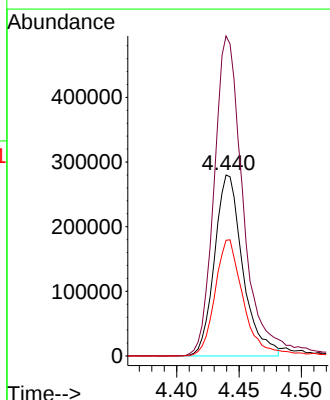
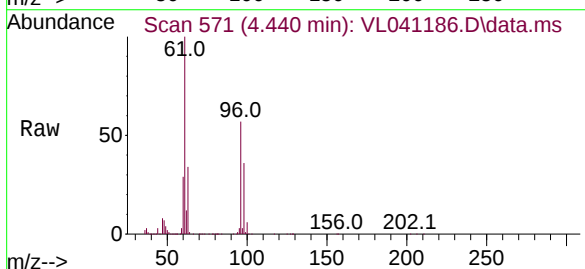
Tgt Ion: 96 Resp: 442043

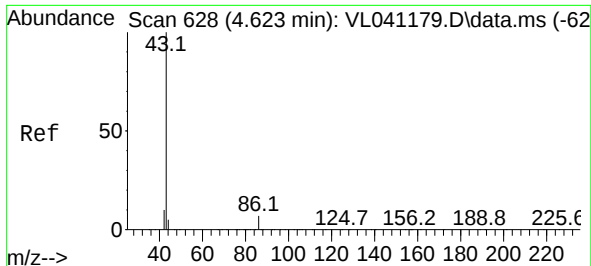
Ion Ratio Lower Upper

96 100

61 176.8 137.6 206.4

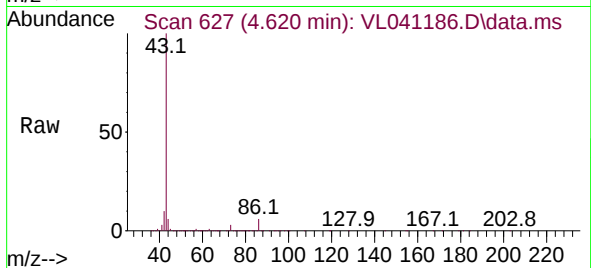
98 64.0 50.6 76.0





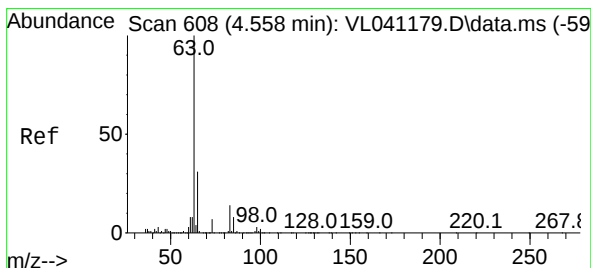
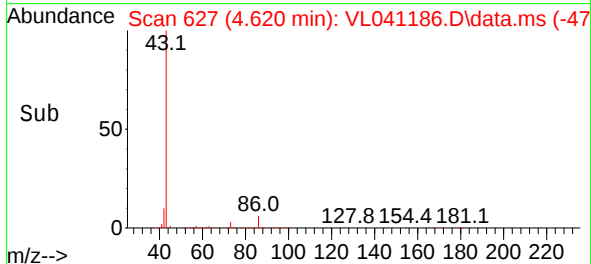
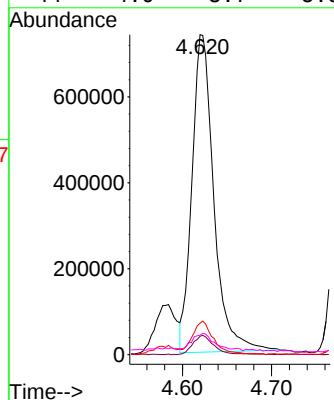
#23
 Vinyl Acetate
 Concen: 10.870 ppbv
 RT: 4.620 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL041186.D
 Acq: 29 Apr 2024 16:07

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 1261865

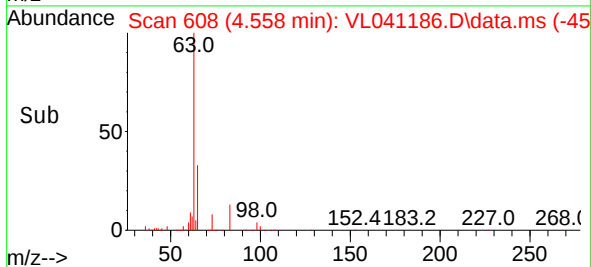
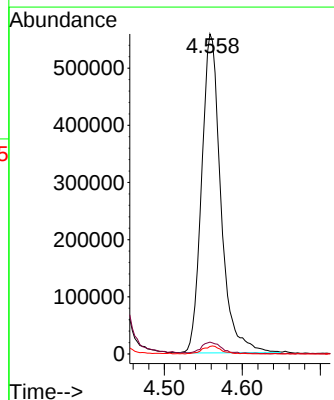
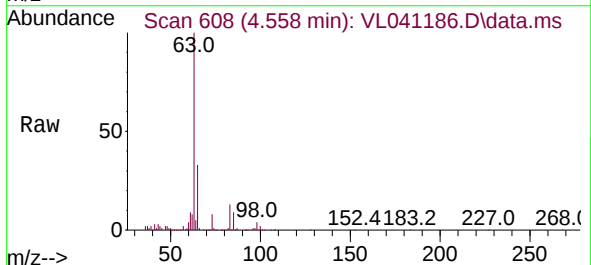
Ion	Ratio	Lower	Upper
43	100		
86	5.8	4.9	7.3
42	9.8	8.0	12.0
44	4.9	3.7	5.5

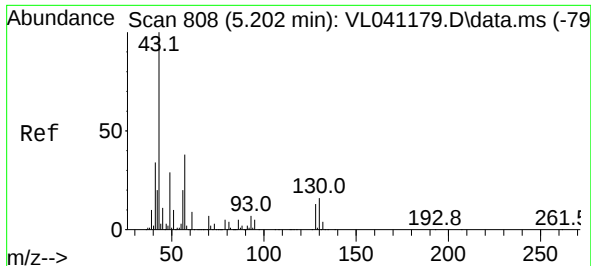


#24
 1,1-Dichloroethane
 Concen: 10.603 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.000 min
 Lab File: VL041186.D
 Acq: 29 Apr 2024 16:07

Tgt Ion: 63 Resp: 957175

Ion	Ratio	Lower	Upper
63	100		
98	3.6	1.6	4.8
100	2.4	1.1	3.5





#25

Ethyl Acetate

Concen: 10.577 ppbv

RT: 5.202 min Scan# 808

Delta R.T. 0.000 min

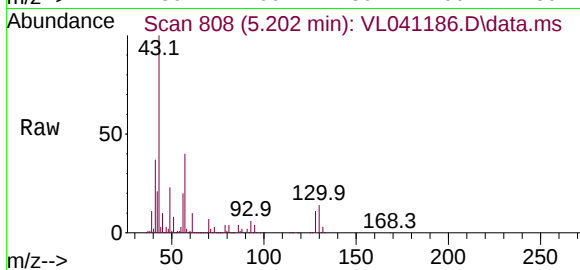
Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43 Resp: 2225745

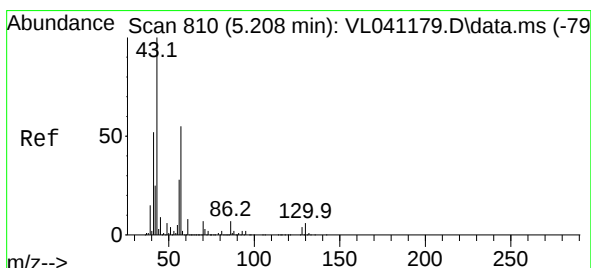
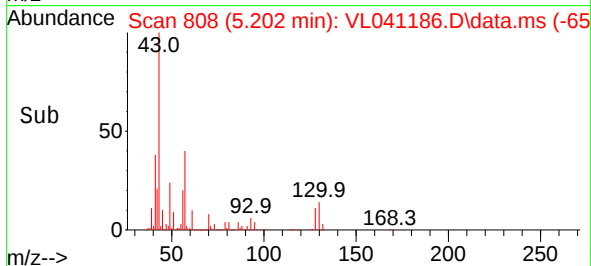
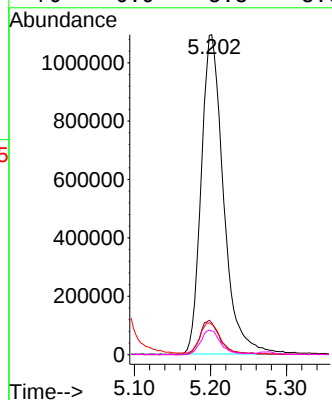
Ion Ratio Lower Upper

43 100

45 10.1 8.2 12.2

61 9.8 7.7 11.5

70 6.9 5.8 8.6



#26

Hexane

Concen: 10.486 ppbv

RT: 5.208 min Scan# 810

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Tgt Ion: 57 Resp: 984682

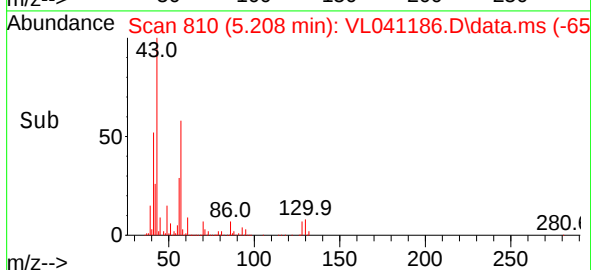
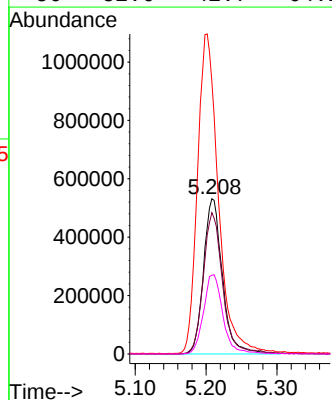
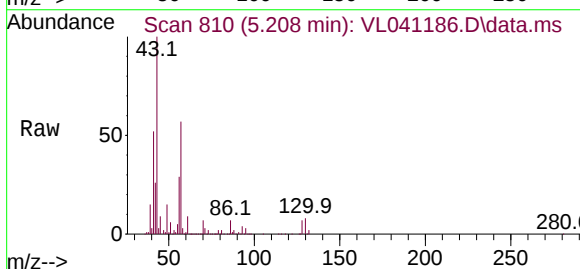
Ion Ratio Lower Upper

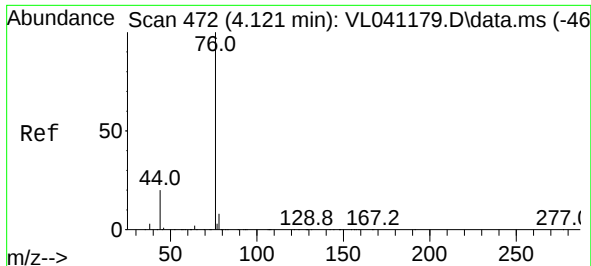
57 100

41 93.2 75.8 113.8

43 228.7 187.0 280.4

56 52.6 42.7 64.1

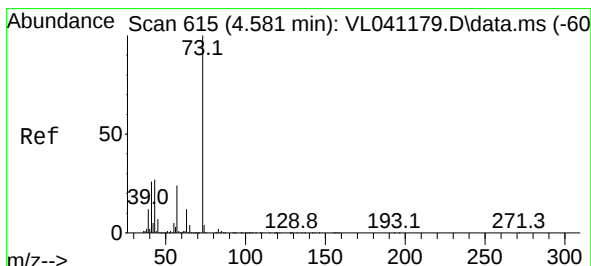
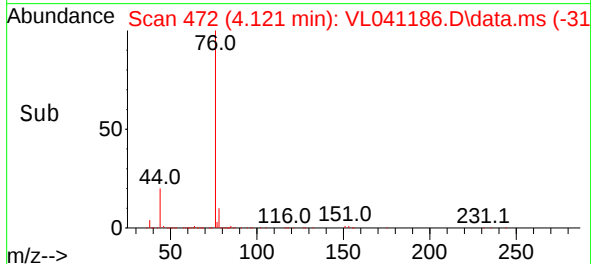
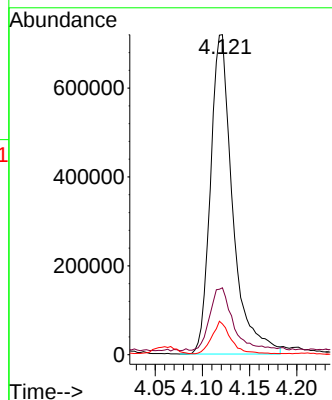
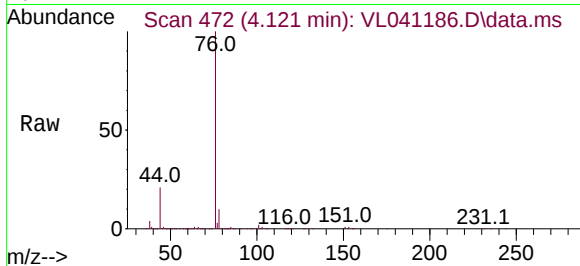




#27
Carbon Disulfide
Concen: 10.569 ppbv
RT: 4.121 min Scan# 472
Delta R.T. 0.000 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

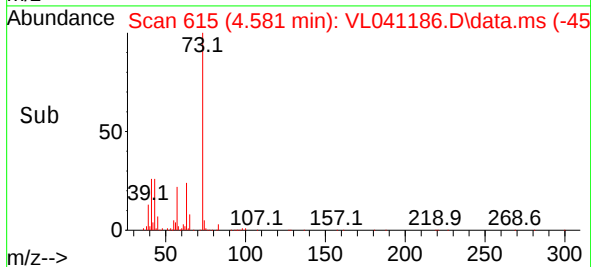
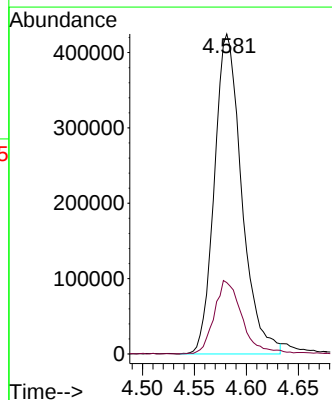
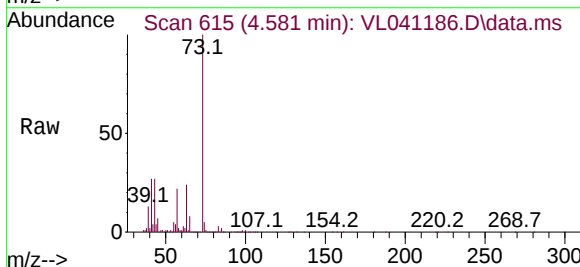
Instrument :
MSVOA_L
ClientSampleId :

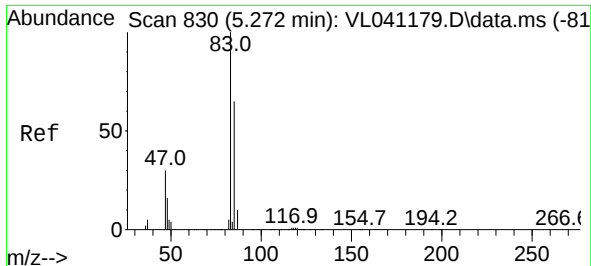
Tgt Ion: 76 Resp: 1174842
Ion Ratio Lower Upper
76 100
44 21.6 16.3 24.5
78 9.6 7.3 10.9



#28
Methyl tert-Butyl Ether
Concen: 10.396 ppbv
RT: 4.581 min Scan# 615
Delta R.T. 0.000 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

Tgt Ion: 73 Resp: 777294
Ion Ratio Lower Upper
73 100
57 23.9 18.8 28.2





#29

Chloroform

Concen: 10.699 ppbv

RT: 5.272 min Scan# 830

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

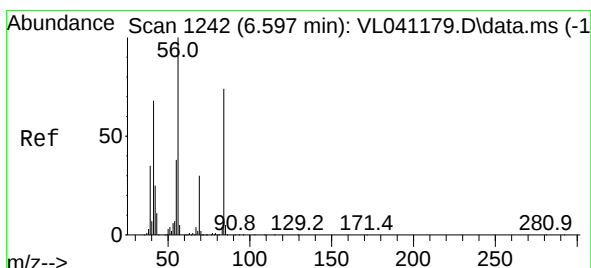
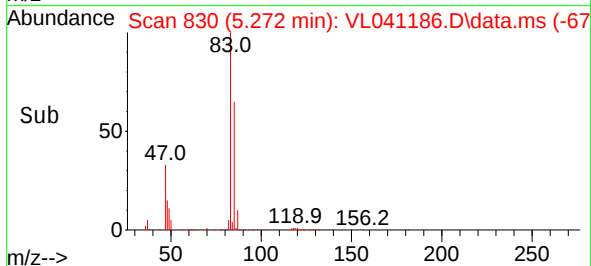
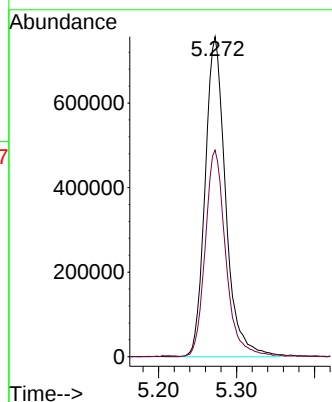
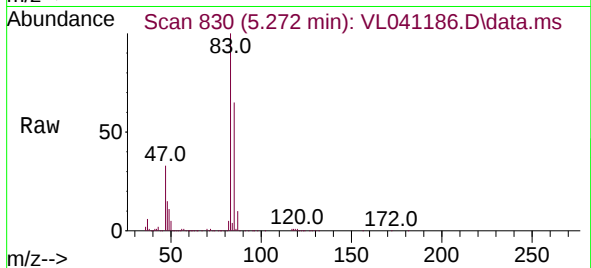
ClientSampleId :

Tgt Ion: 83 Resp: 1386020

Ion Ratio Lower Upper

83 100

85 64.5 51.7 77.5



#30

Cyclohexane

Concen: 10.651 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

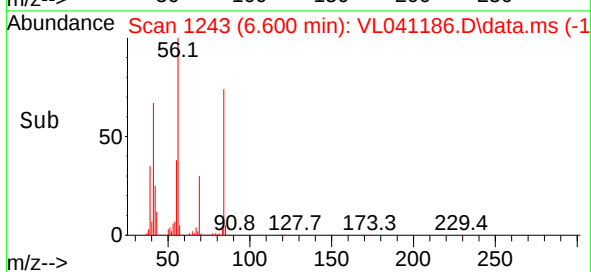
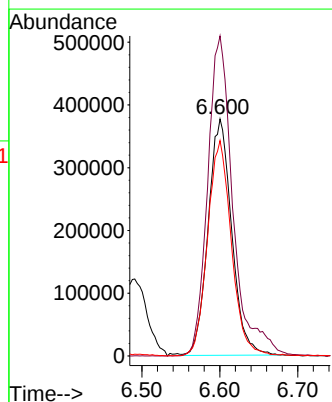
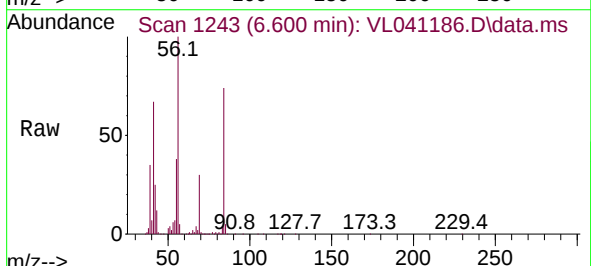
Tgt Ion: 84 Resp: 791750

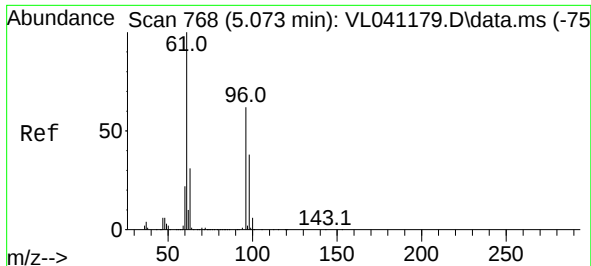
Ion Ratio Lower Upper

84 100

56 146.1 116.8 175.2

41 92.7 73.8 110.8





#31

cis-1,2-Dichloroethene

Concen: 10.921 ppbv

RT: 5.073 min Scan# 768

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

ClientSampleId :

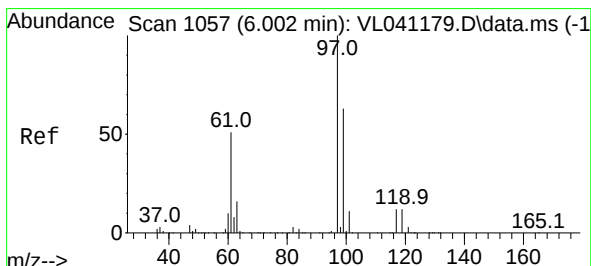
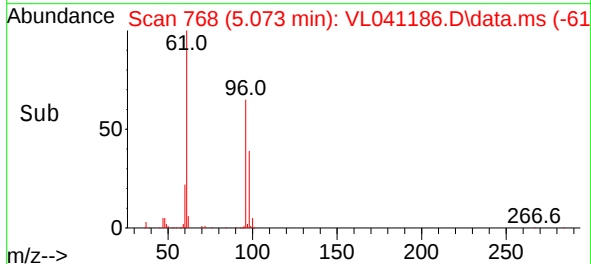
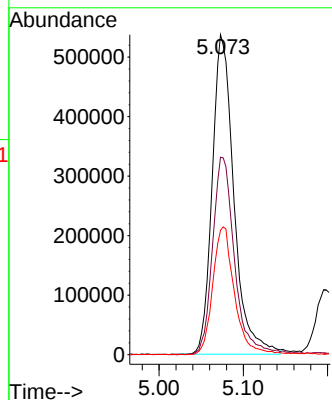
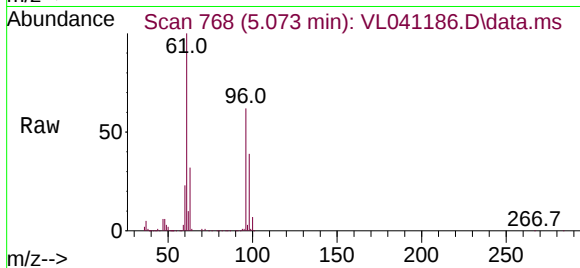
Tgt Ion: 61 Resp: 960086

Ion Ratio Lower Upper

61 100

96 61.7 49.8 74.6

98 38.9 30.0 45.0



#32

1,1,1-Trichloroethane

Concen: 10.648 ppbv

RT: 6.002 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

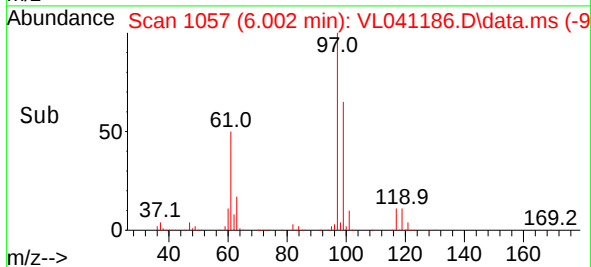
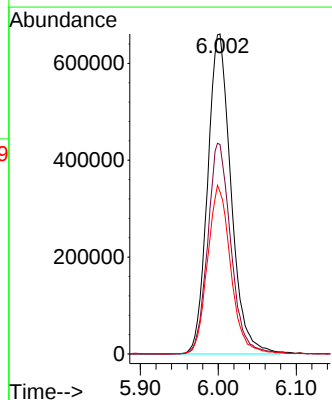
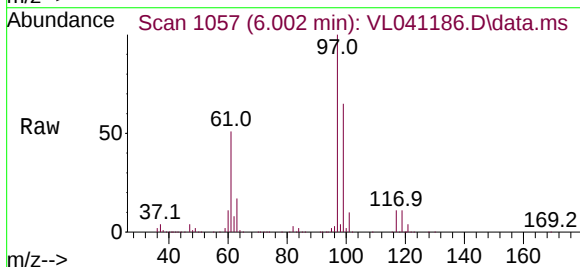
Tgt Ion: 97 Resp: 1376318

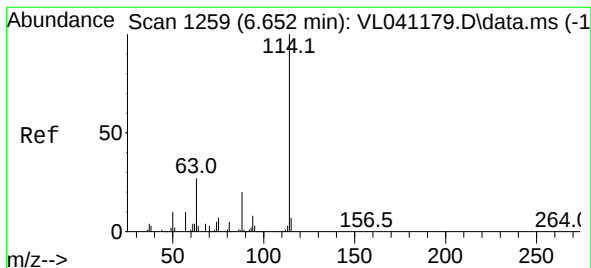
Ion Ratio Lower Upper

97 100

99 65.5 51.7 77.5

61 52.5 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

ClientSampleId :

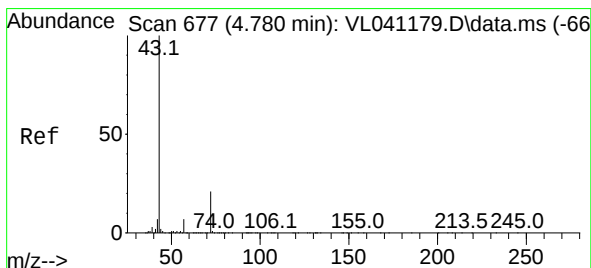
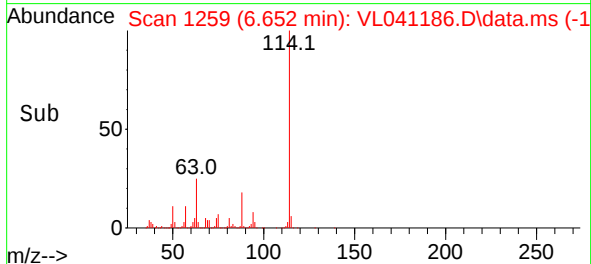
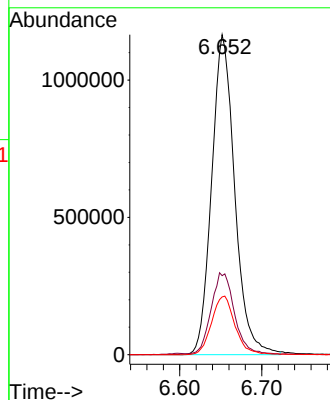
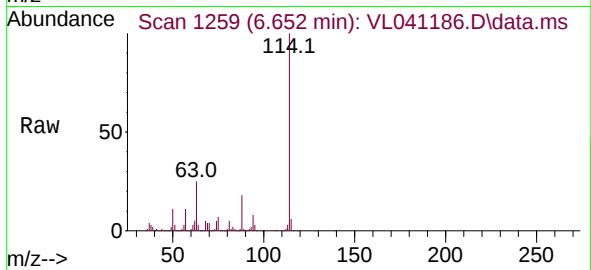
Tgt Ion:114 Resp: 2276414

Ion Ratio Lower Upper

114 100

63 26.7 21.8 32.6

88 18.7 15.2 22.8



#34

2-Butanone

Concen: 11.365 ppbv

RT: 4.784 min Scan# 678

Delta R.T. 0.003 min

Lab File: VL041186.D

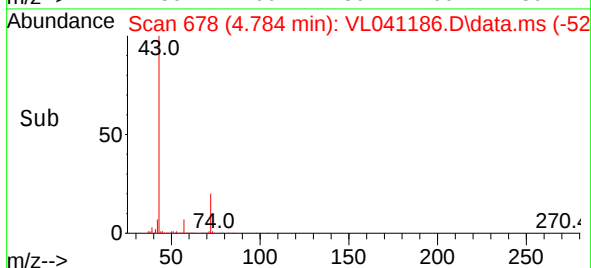
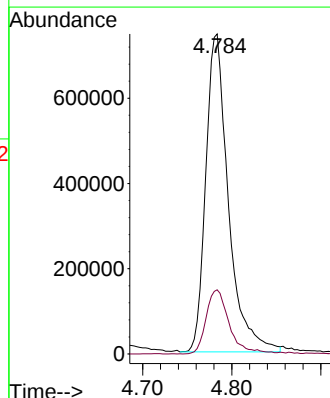
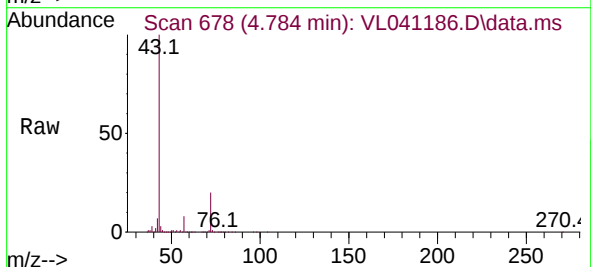
Acq: 29 Apr 2024 16:07

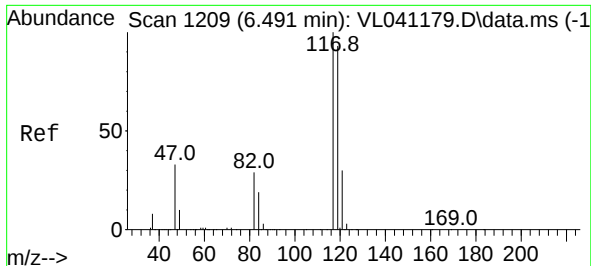
Tgt Ion: 43 Resp: 1316831

Ion Ratio Lower Upper

43 100

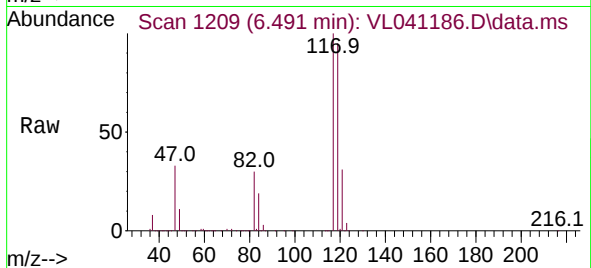
72 21.4 17.3 25.9



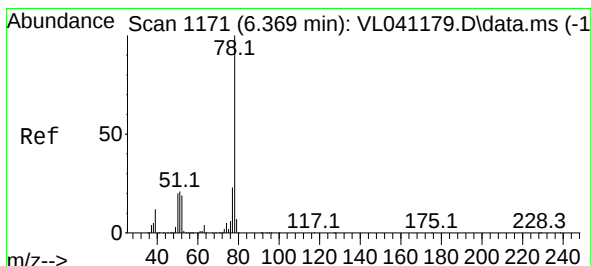
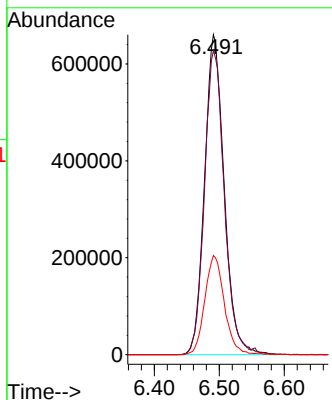
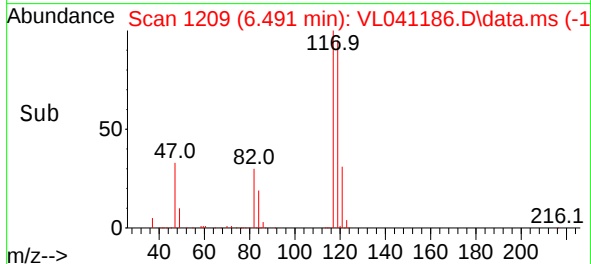


#35
Carbon Tetrachloride
Concen: 10.892 ppbv
RT: 6.491 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

Instrument :
MSVOA_L
ClientSampleId :

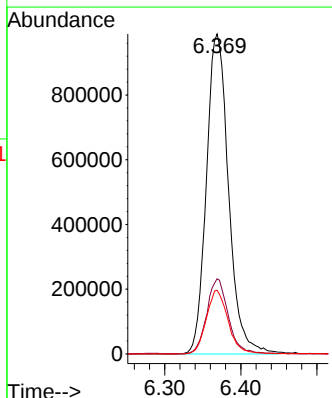
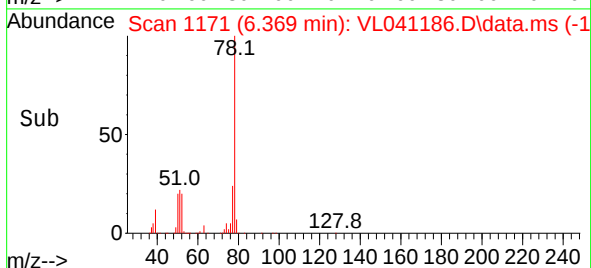
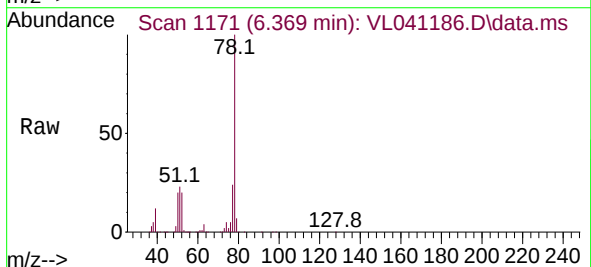


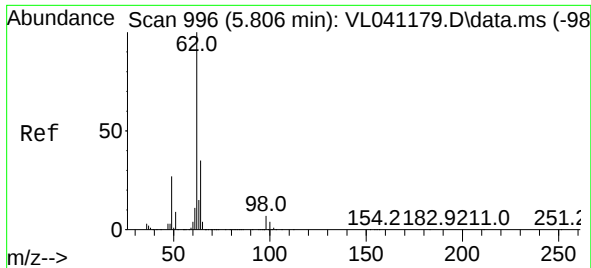
Tgt Ion:117 Resp: 1391481
Ion Ratio Lower Upper
117 100
119 95.0 74.3 111.5
121 31.0 23.8 35.8



#36
Benzene
Concen: 10.476 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

Tgt Ion: 78 Resp: 2001293
Ion Ratio Lower Upper
78 100
77 23.5 18.3 27.5
50 19.9 15.9 23.9

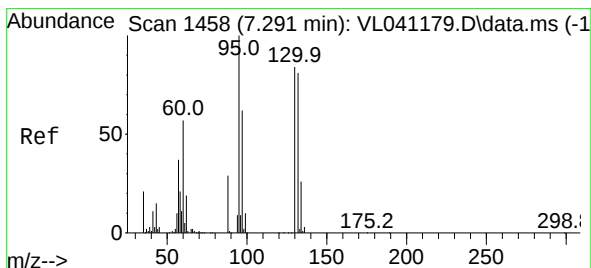
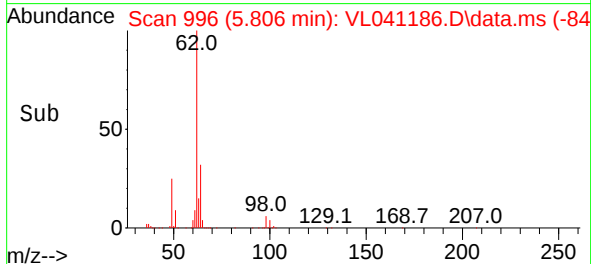
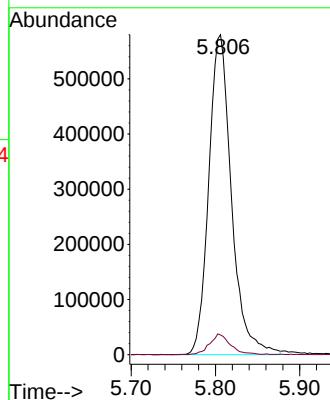
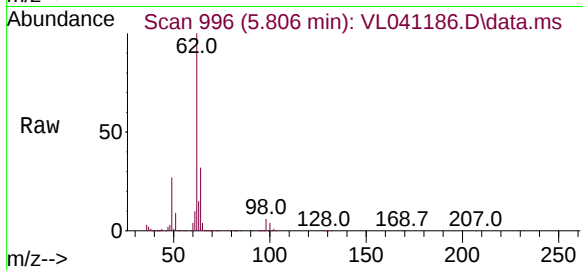




#37
1,2-Dichloroethane
Concen: 10.906 ppbv
RT: 5.806 min Scan# 996
Delta R.T. 0.000 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

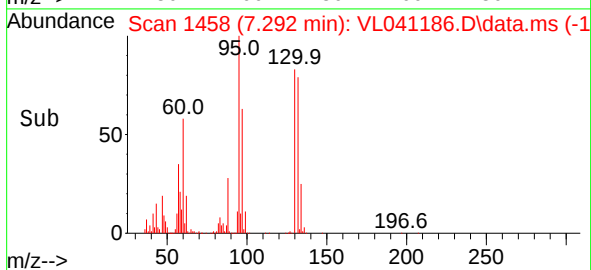
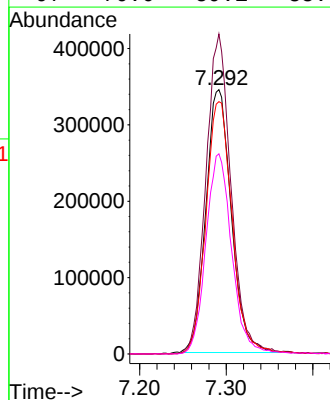
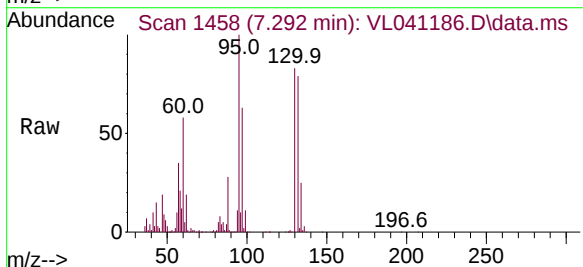
Instrument :
MSVOA_L
ClientSampleId :

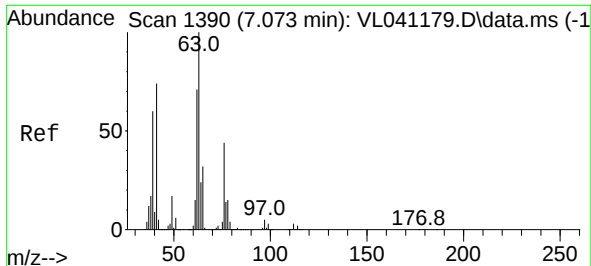
Tgt Ion: 62 Resp: 1086990
Ion Ratio Lower Upper
62 100
98 6.2 5.0 7.4



#38
Trichloroethene
Concen: 9.894 ppbv
RT: 7.292 min Scan# 1458
Delta R.T. 0.000 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

Tgt Ion:130 Resp: 704357
Ion Ratio Lower Upper
130 100
95 121.3 95.0 142.6
132 95.7 77.0 115.4
97 76.0 59.1 88.7





#39

1,2-Dichloropropane

Concen: 10.721 ppbv

RT: 7.073 min Scan# 1390

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

ClientSampleId :

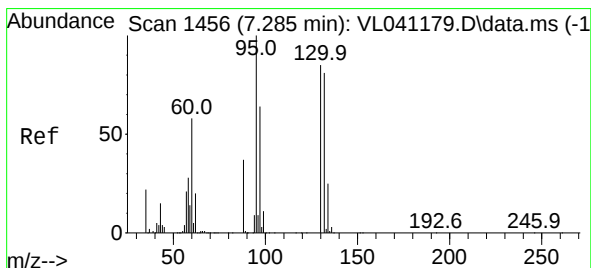
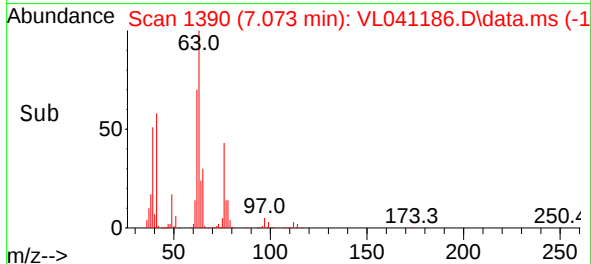
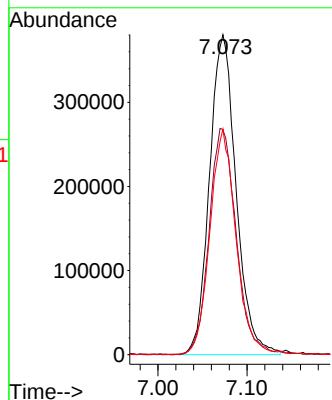
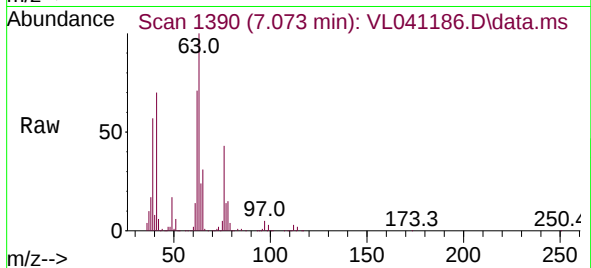
Tgt Ion: 63 Resp: 789305

Ion Ratio Lower Upper

63 100

41 70.3 59.4 89.0

62 70.2 56.8 85.2



#40

1,4-Dioxane

Concen: 11.459 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. -0.003 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Tgt Ion: 88 Resp: 301403

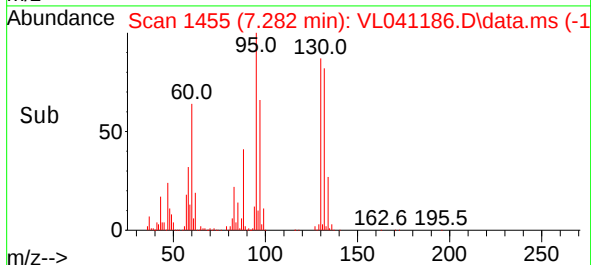
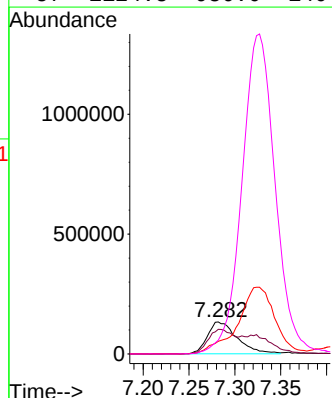
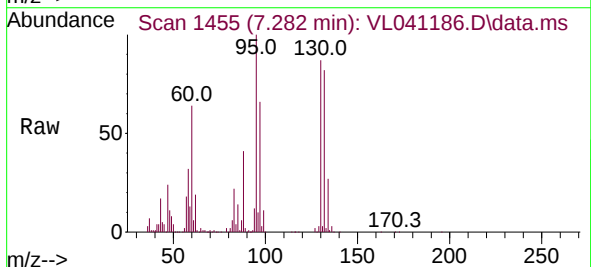
Ion Ratio Lower Upper

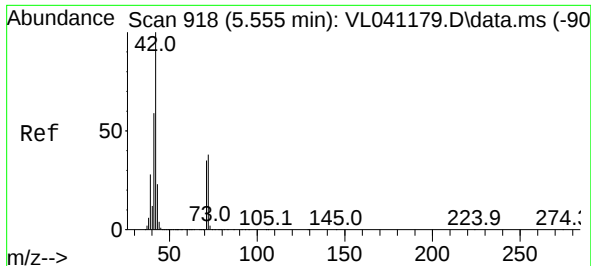
88 100

58 129.7 106.1 159.1

43 262.5 219.8 329.6

57 1124.8 936.0 1404.0





#41

Tetrahydrofuran

Concen: 10.502 ppbv

RT: 5.552 min Scan# 918

Delta R.T. -0.003 min

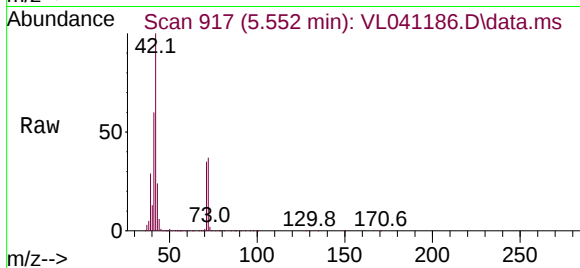
Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

ClientSampleId :



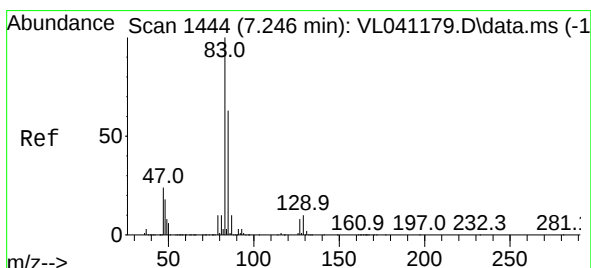
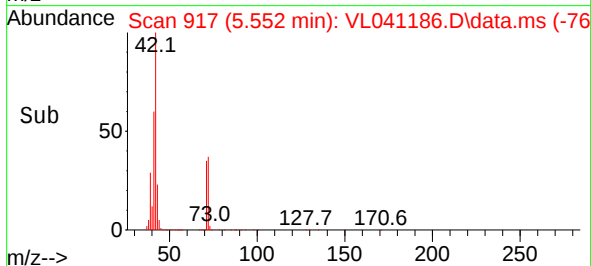
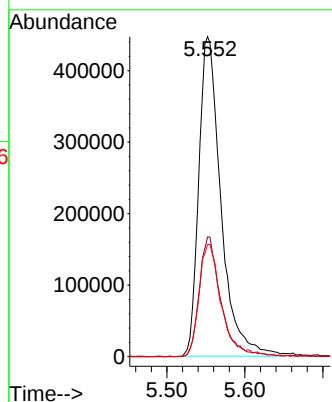
Tgt Ion: 42 Resp: 880889

Ion Ratio Lower Upper

42 100

72 36.9 29.4 44.0

71 36.0 29.1 43.7



#42

Bromodichloromethane

Concen: 11.002 ppbv

RT: 7.246 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

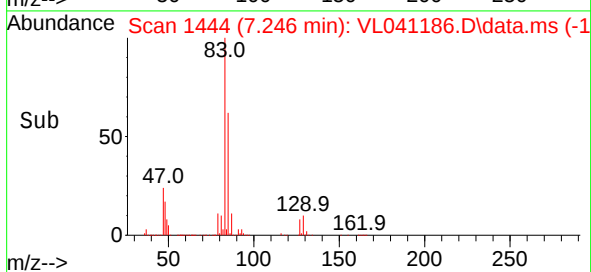
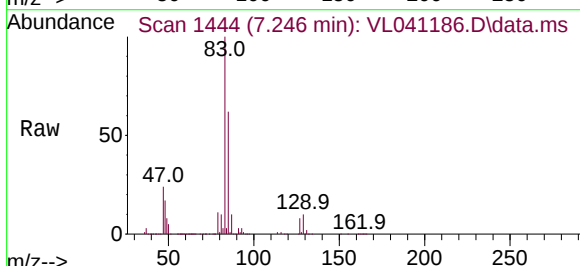
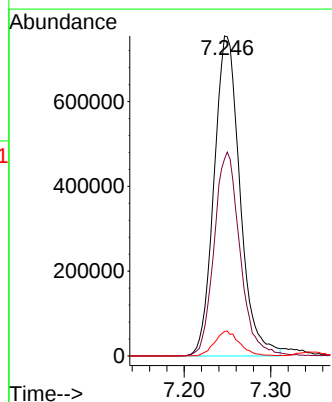
Tgt Ion: 83 Resp: 1572664

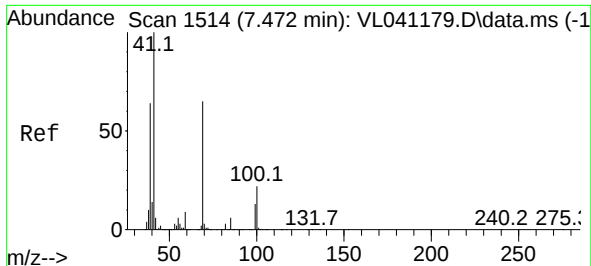
Ion Ratio Lower Upper

83 100

85 61.6 50.6 75.8

127 7.6 6.2 9.4





#43

Methyl Methacrylate

Concen: 10.571 ppbv

RT: 7.475 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

ClientSampleId :

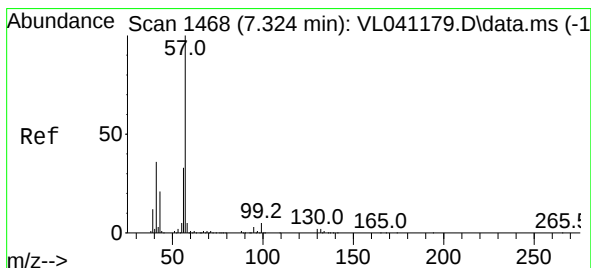
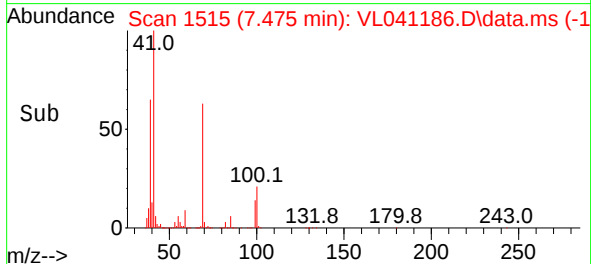
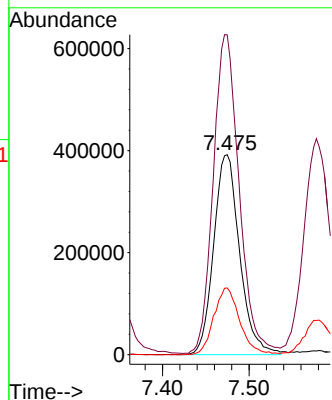
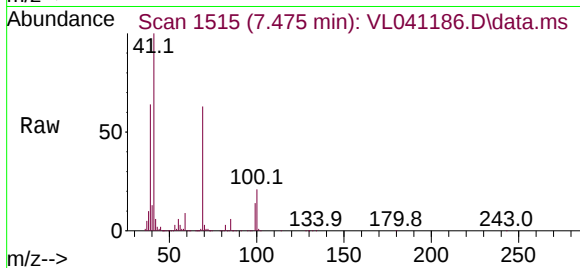
Tgt Ion: 69 Resp: 816783

Ion Ratio Lower Upper

69 100

41 159.2 125.2 187.8

100 33.4 26.7 40.1



#44

2,2,4-Trimethylpentane

Concen: 10.276 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. 0.003 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

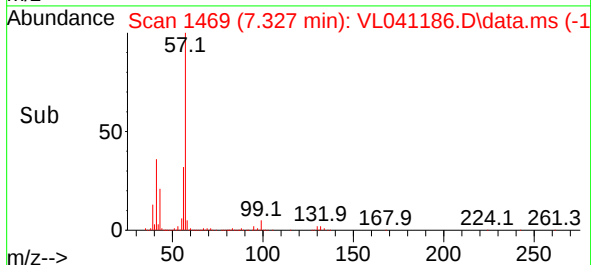
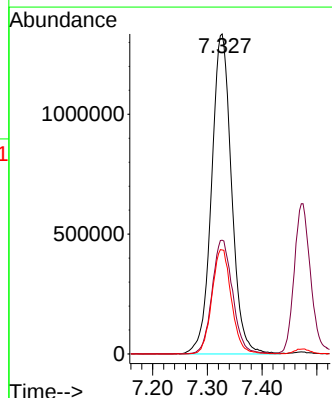
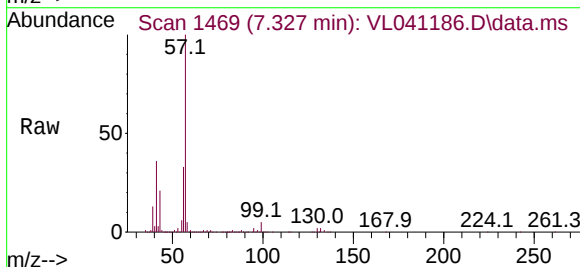
Tgt Ion: 57 Resp: 3384698

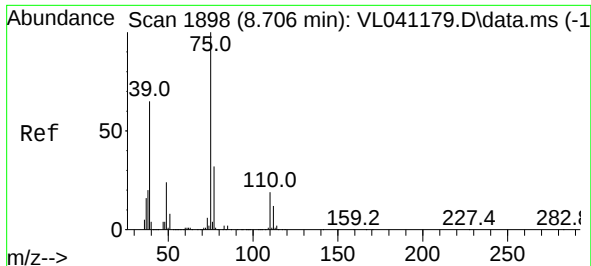
Ion Ratio Lower Upper

57 100

41 36.6 29.5 44.3

56 31.9 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 10.750 ppbv

RT: 8.709 min Scan# 1899

Delta R.T. 0.003 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

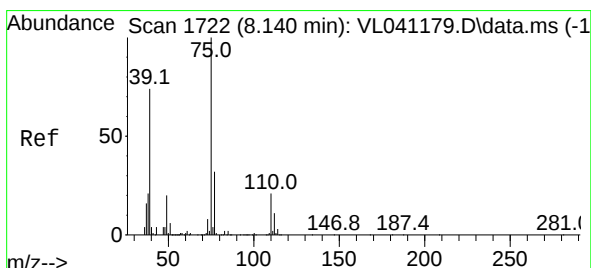
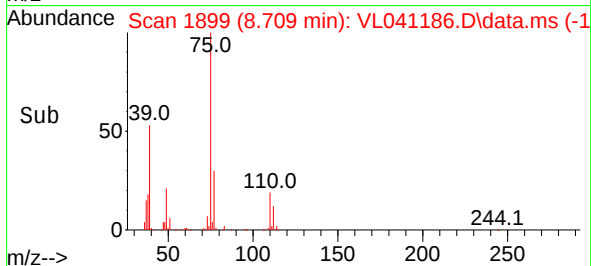
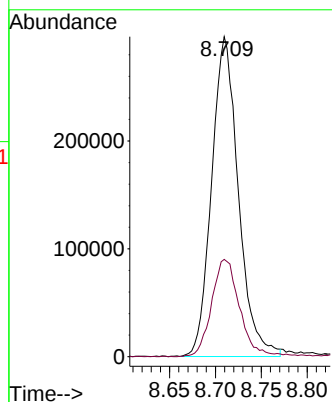
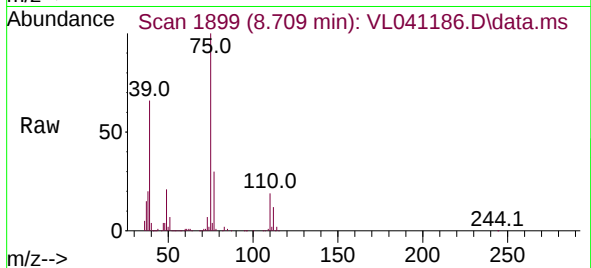
ClientSampleId :

Tgt Ion: 75 Resp: 601911

Ion Ratio Lower Upper

75 100

77 30.4 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 10.427 ppbv

RT: 8.140 min Scan# 1722

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

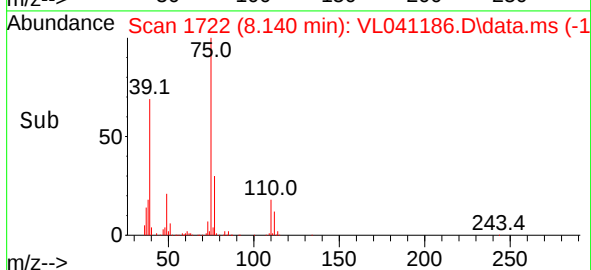
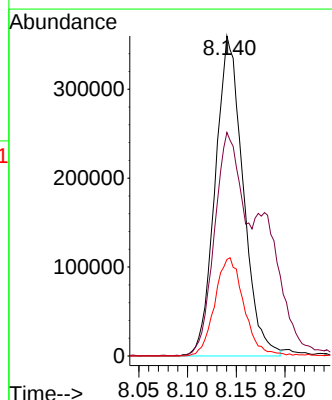
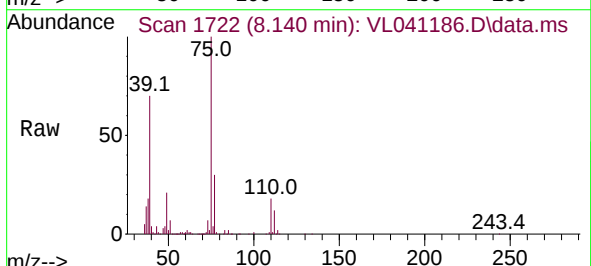
Tgt Ion: 75 Resp: 714722

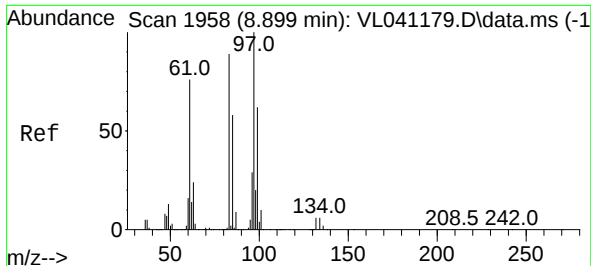
Ion Ratio Lower Upper

75 100

39 69.7 59.4 89.2

77 30.1 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 10.682 ppbv

RT: 8.896 min Scan# 1957

Delta R.T. -0.003 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 787119

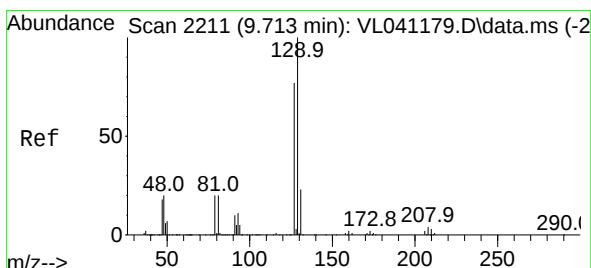
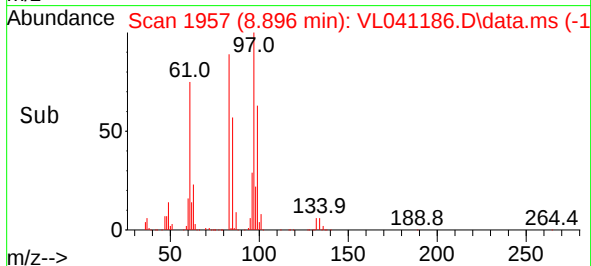
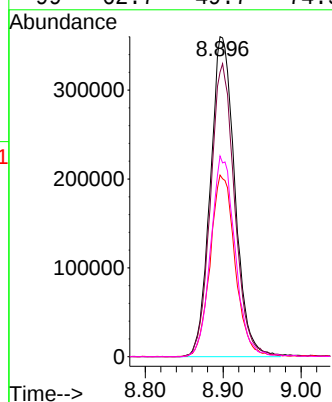
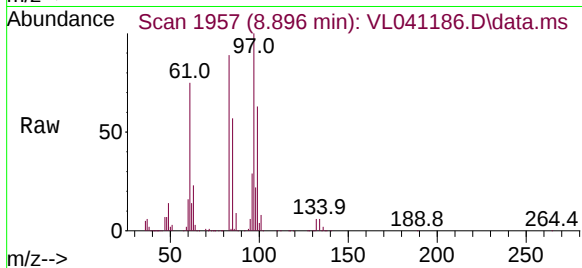
Ion Ratio Lower Upper

97 100

83 88.9 71.2 106.8

85 56.6 46.0 69.0

99 62.7 49.7 74.5



#48

Dibromochloromethane

Concen: 11.017 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. -0.003 min

Lab File: VL041186.D

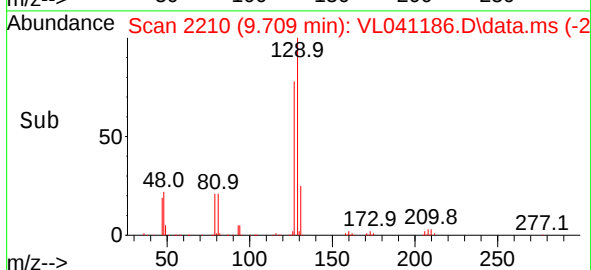
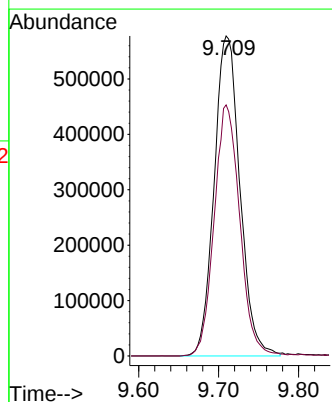
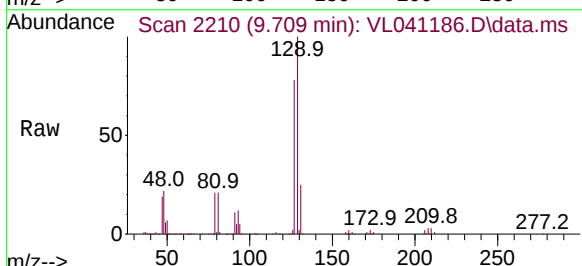
Acq: 29 Apr 2024 16:07

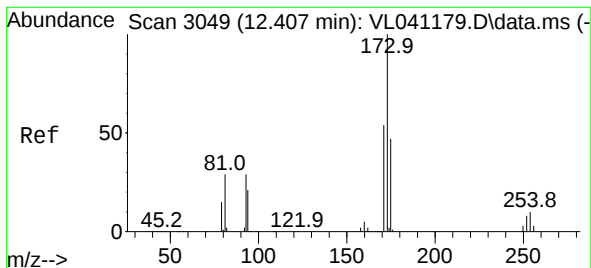
Tgt Ion:129 Resp: 1293536

Ion Ratio Lower Upper

129 100

127 78.3 39.1 117.5





#49

Bromoform

Concen: 11.271 ppbv

RT: 12.410 min Scan# 3049

Delta R.T. 0.003 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

ClientSampleId :

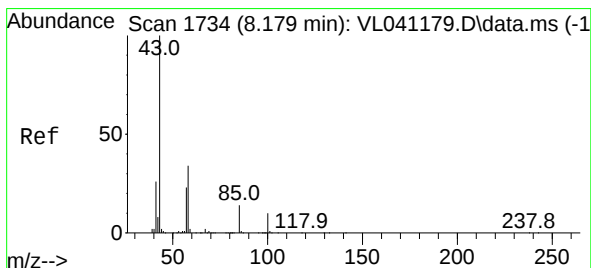
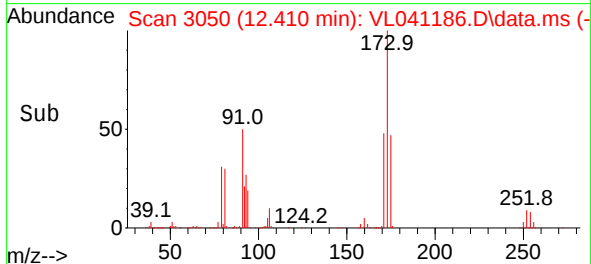
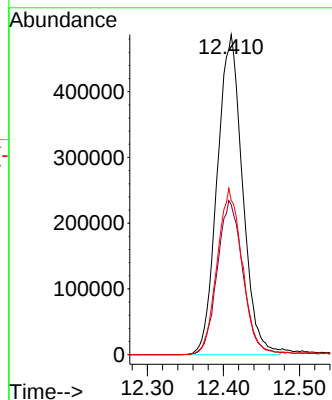
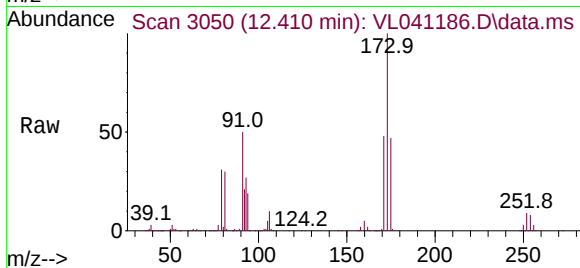
Tgt Ion:173 Resp: 1125747

Ion Ratio Lower Upper

173 100

175 49.1 39.8 59.8

171 51.9 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 10.036 ppbv

RT: 8.179 min Scan# 1734

Delta R.T. 0.000 min

Lab File: VL041186.D

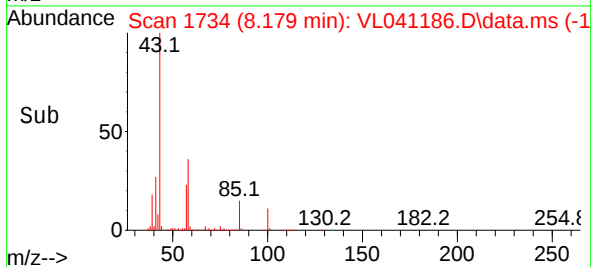
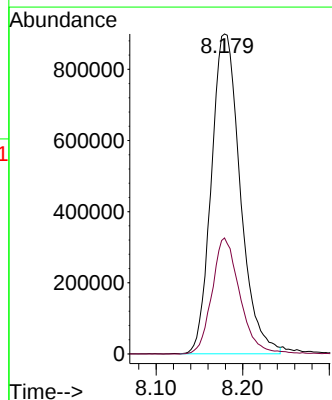
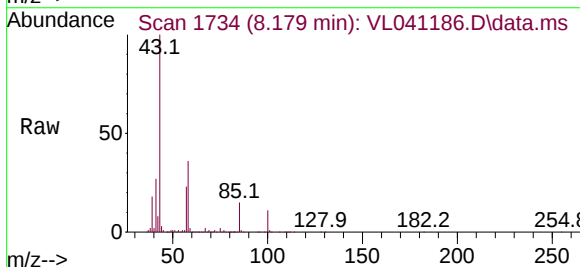
Acq: 29 Apr 2024 16:07

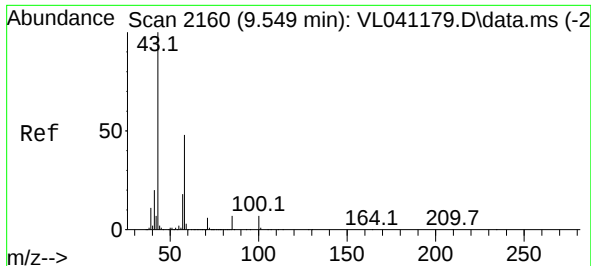
Tgt Ion: 43 Resp: 2086731

Ion Ratio Lower Upper

43 100

58 35.2 27.7 41.5

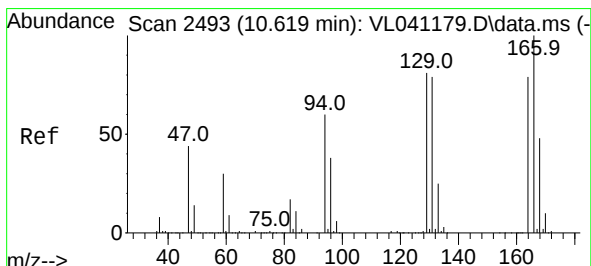
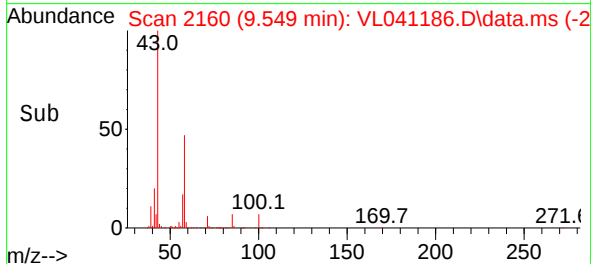
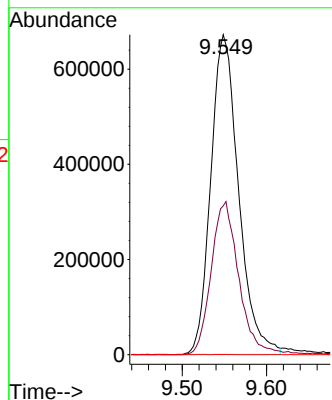
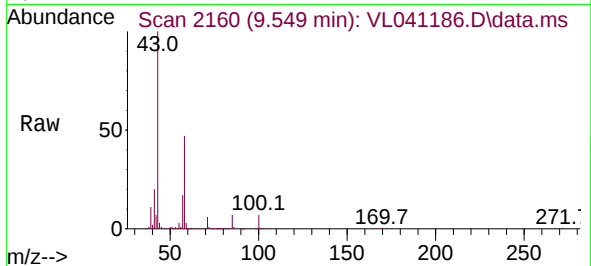




#51
2-Hexanone
Concen: 9.969 ppbv
RT: 9.549 min Scan# 2160
Delta R.T. 0.000 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

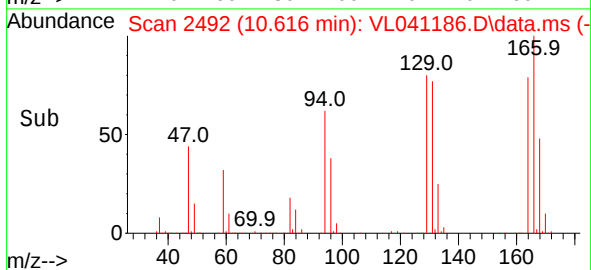
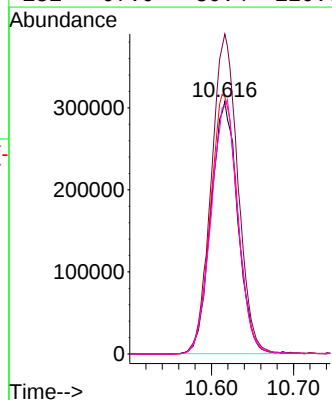
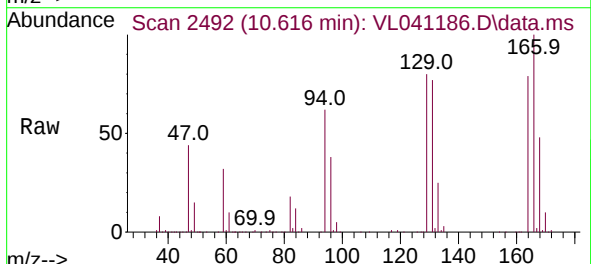
Instrument :
MSVOA_L
ClientSampleId :

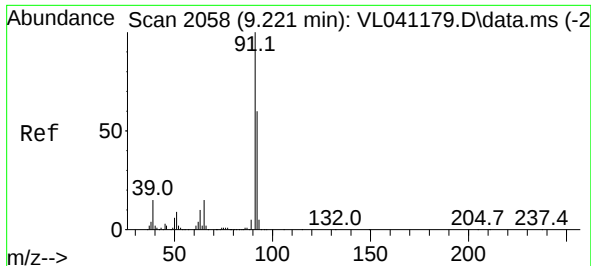
Tgt Ion: 43 Resp: 1537564
Ion Ratio Lower Upper
43 100
58 48.2 38.4 57.6
98 0.0 0.0 0.0#



#52
Tetrachloroethene
Concen: 10.334 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. -0.003 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

Tgt Ion:164 Resp: 693859
Ion Ratio Lower Upper
164 100
166 126.7 101.1 151.7
129 102.0 81.7 122.5
131 97.9 80.4 120.6





#53

Toluene

Concen: 10.358 ppbv

RT: 9.221 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

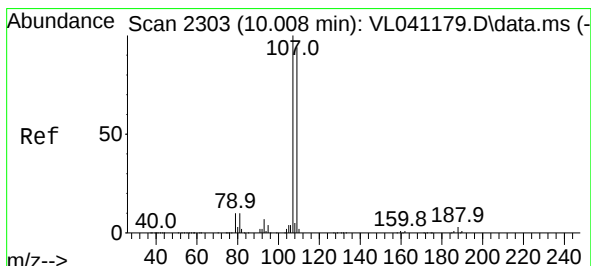
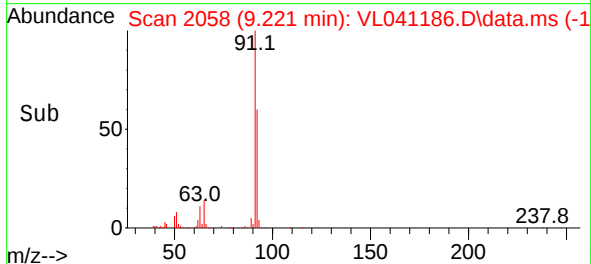
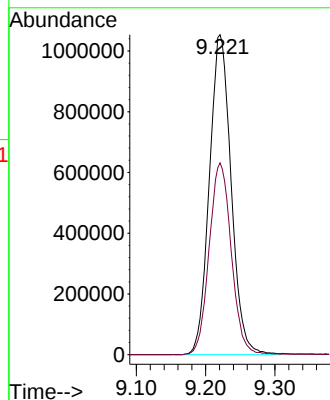
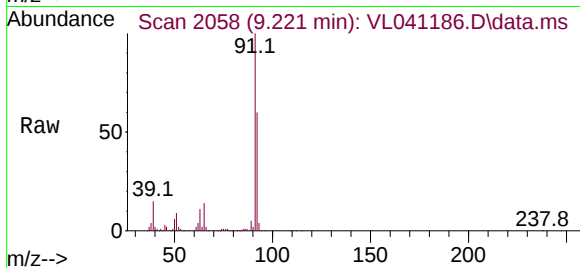
ClientSampleId :

Tgt Ion: 91 Resp: 2294296

Ion Ratio Lower Upper

91 100

92 61.0 48.2 72.4



#54

1,2-Dibromoethane

Concen: 10.681 ppbv

RT: 10.008 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VL041186.D

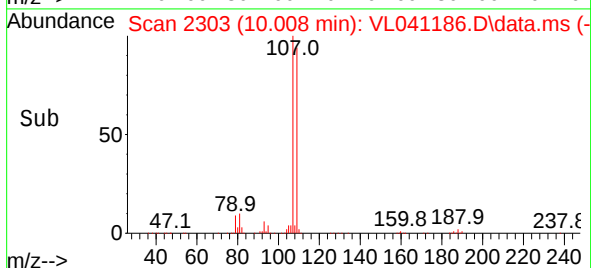
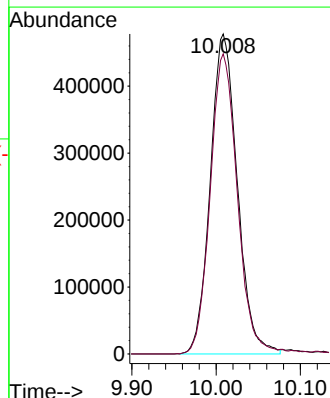
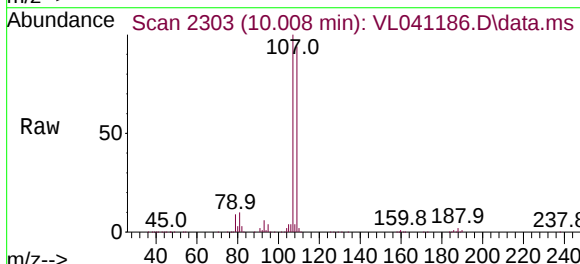
Acq: 29 Apr 2024 16:07

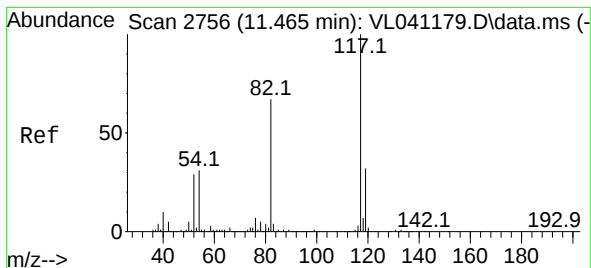
Tgt Ion:107 Resp: 1066096

Ion Ratio Lower Upper

107 100

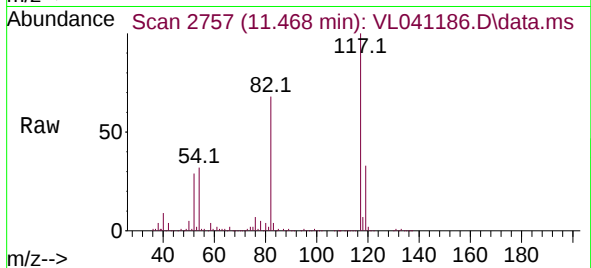
109 93.8 75.2 112.8



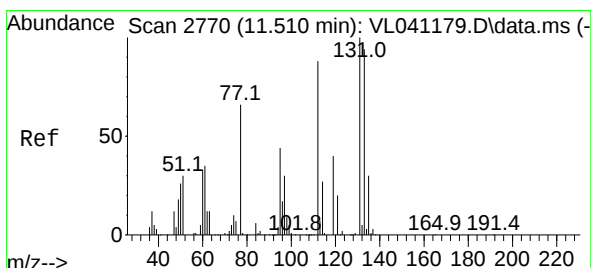
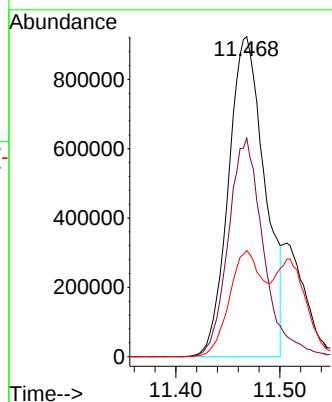
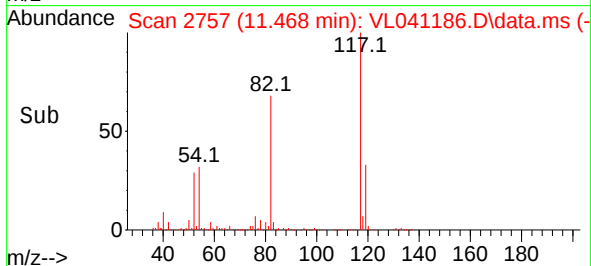


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2756
Delta R.T. 0.003 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

Instrument :
MSVOA_L
ClientSampleId :

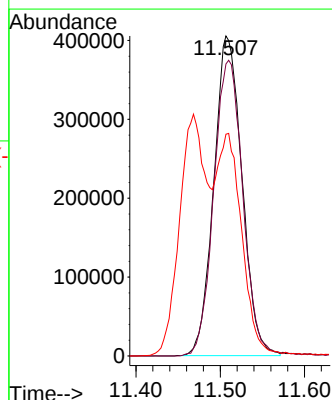
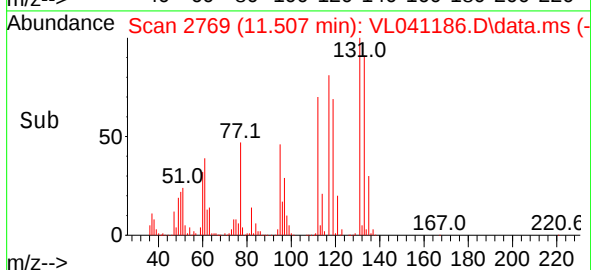
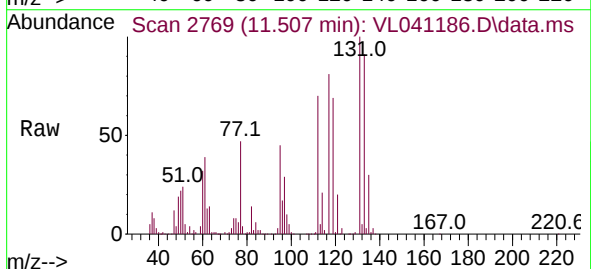


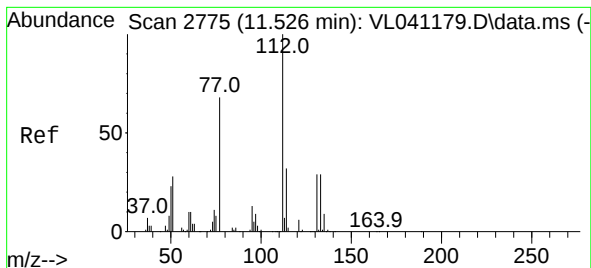
Tgt Ion:117 Resp: 2243763
Ion Ratio Lower Upper
117 100
82 66.9 53.6 80.4
119 29.8 27.2 40.8



#56
1,1,1,2-Tetrachloroethane
Concen: 10.337 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. -0.003 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

Tgt Ion:131 Resp: 940466
Ion Ratio Lower Upper
131 100
133 96.5 76.3 114.5
119 71.8 49.4 74.2

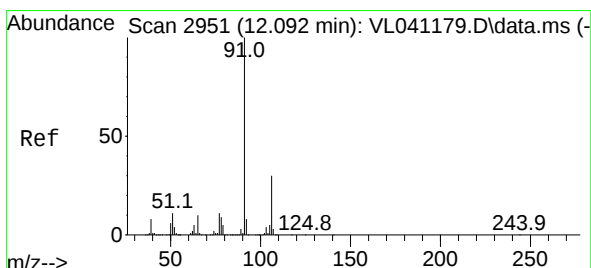
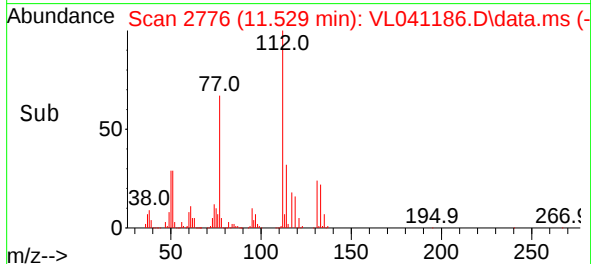
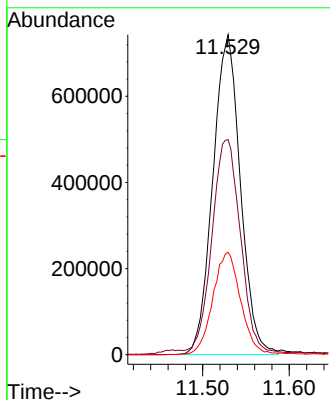
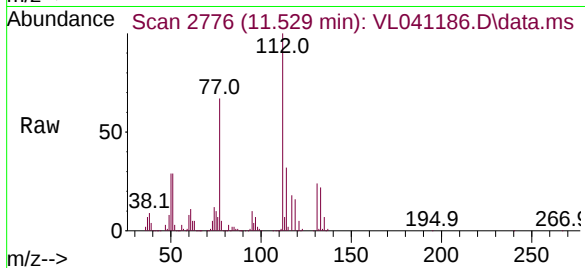




#57
Chlorobenzene
Concen: 9.977 ppbv
RT: 11.529 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

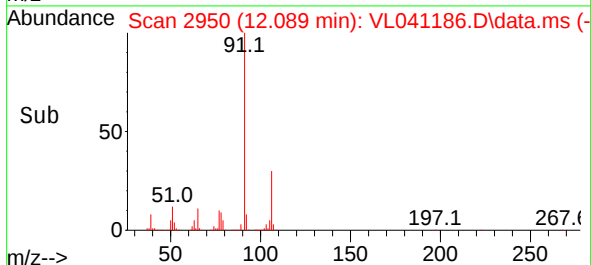
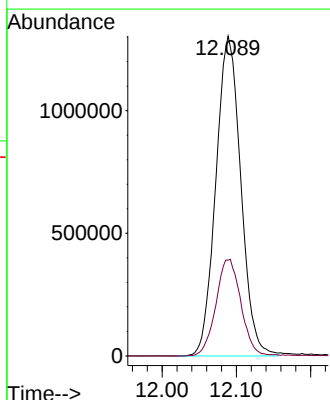
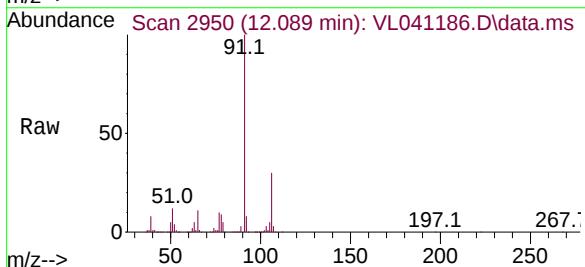
Instrument :
MSVOA_L
ClientSampleId :

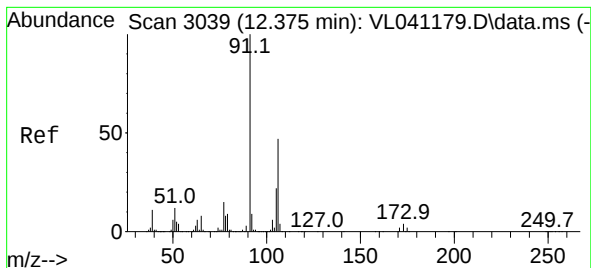
Tgt Ion:112 Resp: 1639510
Ion Ratio Lower Upper
112 100
77 66.4 54.9 82.3
114 31.9 28.7 35.1



#58
Ethyl Benzene
Concen: 9.904 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

Tgt Ion: 91 Resp: 3047178
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5





#59

m/p-Xylene

Concen: 8.604 ppbv

RT: 12.372 min Scan# 3039

Delta R.T. -0.003 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

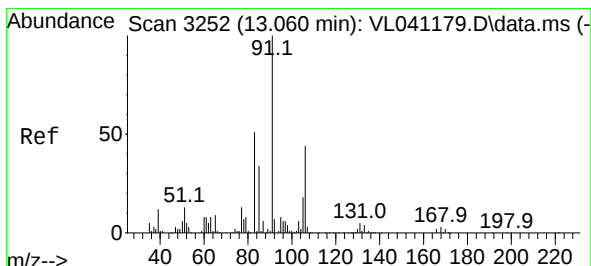
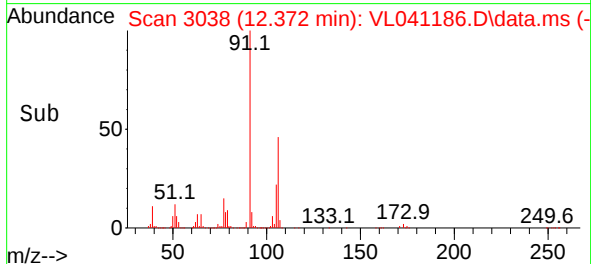
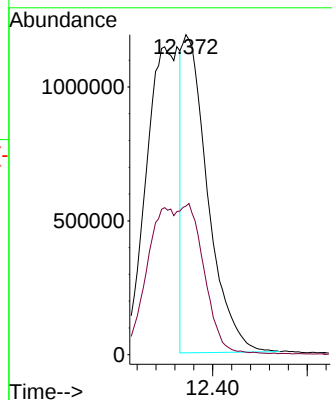
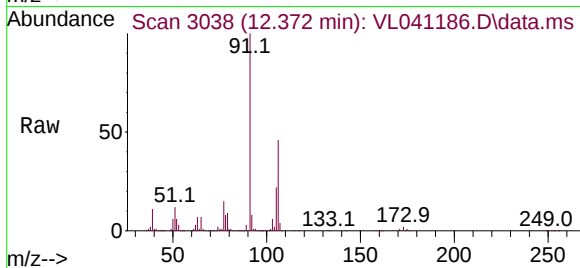
ClientSampleId :

Tgt Ion: 91 Resp: 2224909

Ion Ratio Lower Upper

91 100

106 101.3 35.7 53.5#



#60

o-Xylene

Concen: 9.859 ppbv

RT: 13.060 min Scan# 3252

Delta R.T. 0.000 min

Lab File: VL041186.D

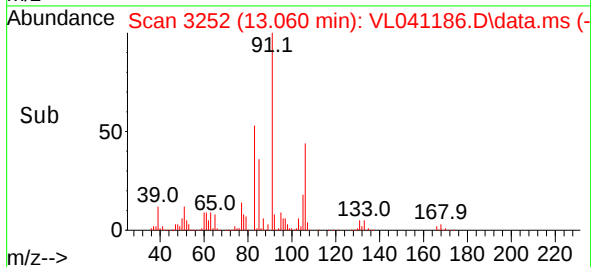
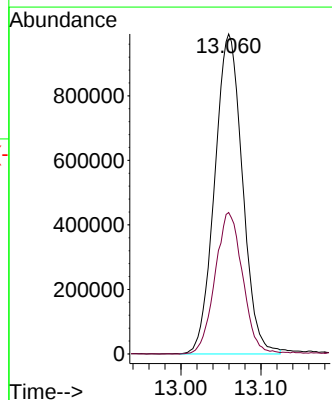
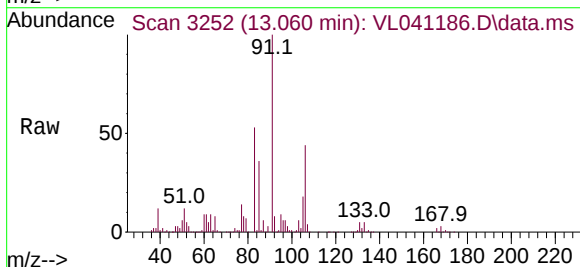
Acq: 29 Apr 2024 16:07

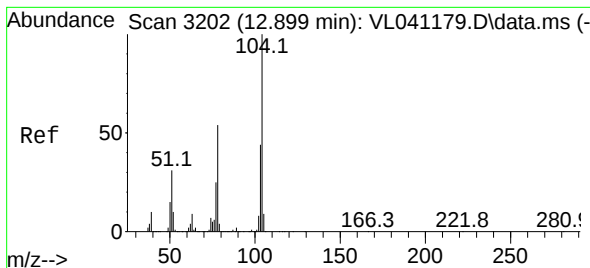
Tgt Ion: 91 Resp: 2389774

Ion Ratio Lower Upper

91 100

106 44.2 22.4 67.3





#61

Styrene

Concen: 10.199 ppbv

RT: 12.899 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

ClientSampleId :

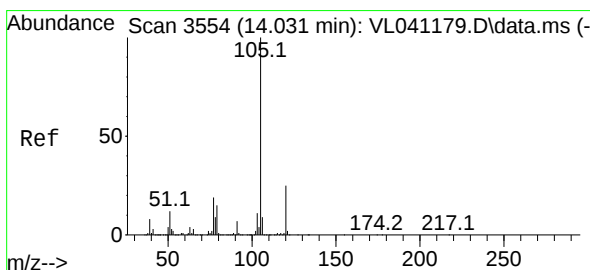
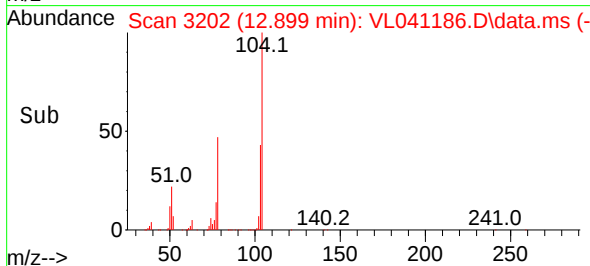
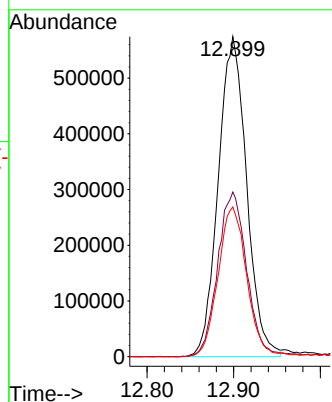
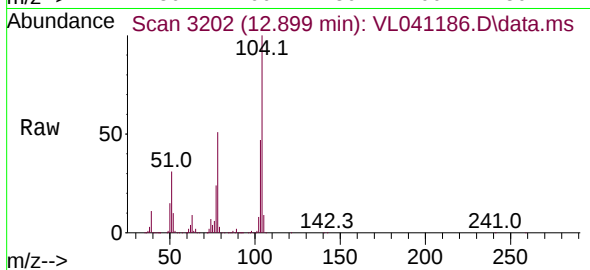
Tgt Ion:104 Resp: 1305847

Ion Ratio Lower Upper

104 100

78 53.3 42.6 63.8

103 47.9 38.4 57.6



#62

Isopropylbenzene

Concen: 9.864 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. 0.000 min

Lab File: VL041186.D

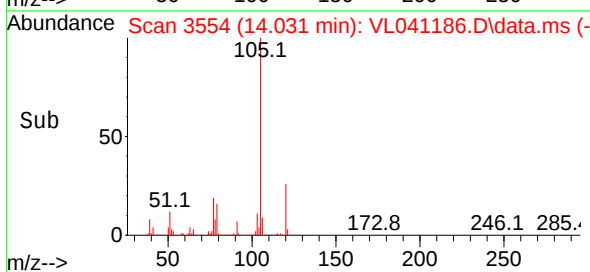
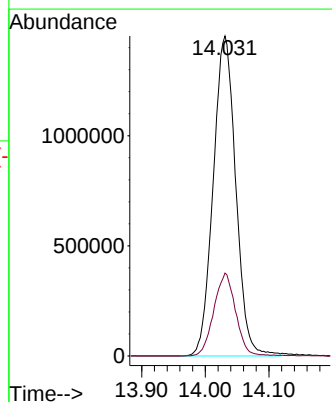
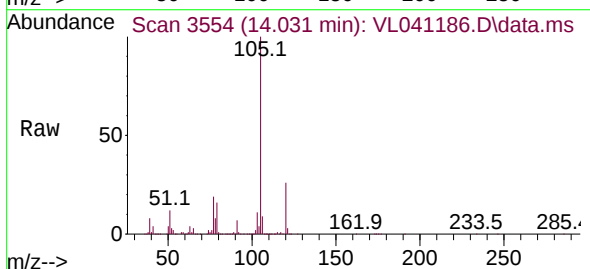
Acq: 29 Apr 2024 16:07

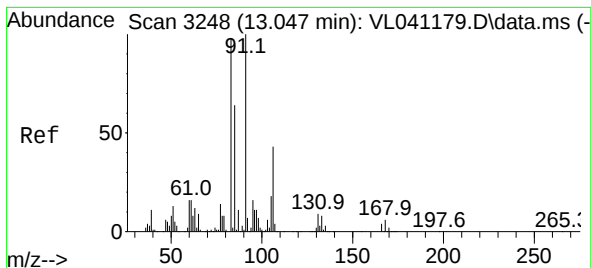
Tgt Ion:105 Resp: 3576053

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.2





#63

1,1,2,2-Tetrachloroethane

Concen: 10.207 ppbv

RT: 13.050 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

ClientSampleId :

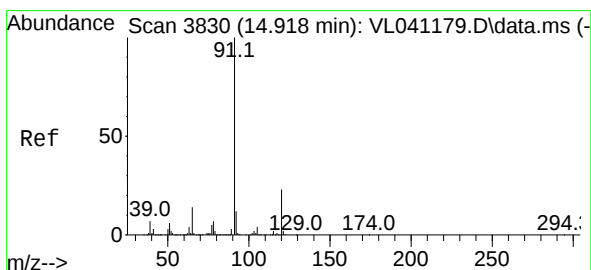
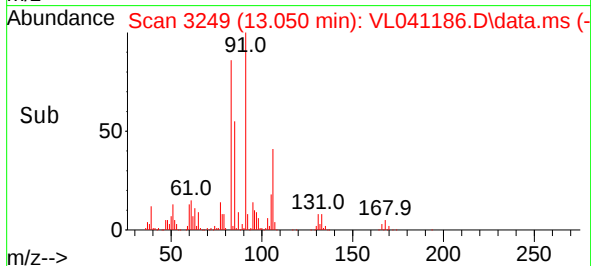
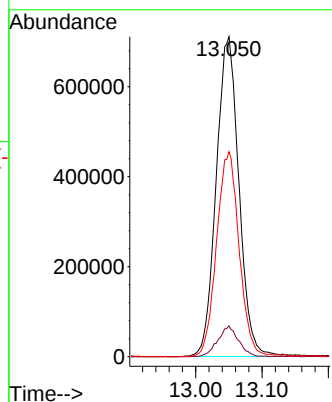
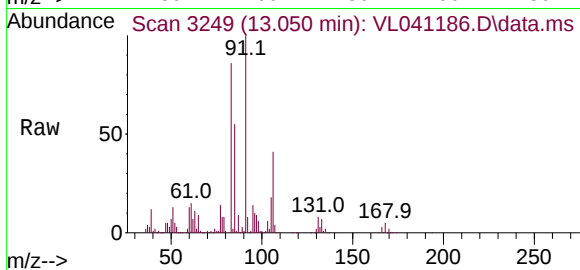
Tgt Ion: 83 Resp: 1686414

Ion Ratio Lower Upper

83 100

131 8.8 4.5 13.5

85 64.6 32.7 98.1



#64

n-propylbenzene

Concen: 10.160 ppbv

RT: 14.915 min Scan# 3829

Delta R.T. -0.003 min

Lab File: VL041186.D

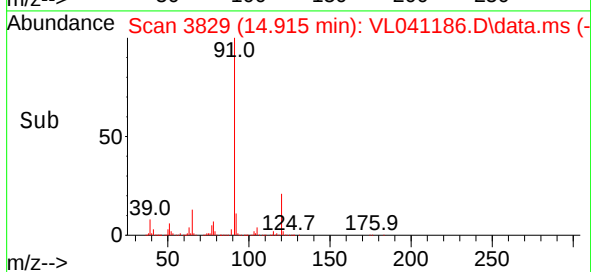
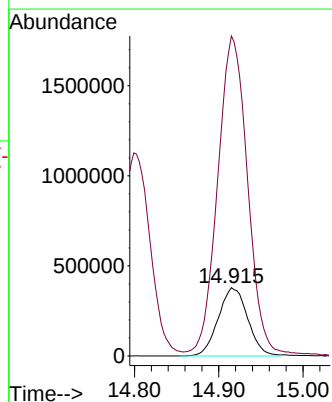
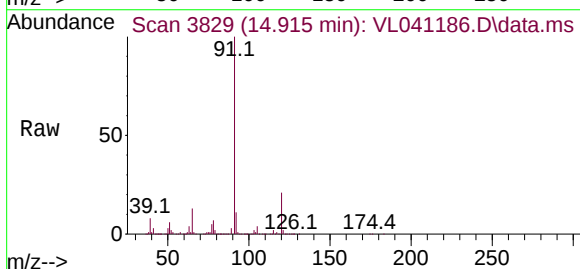
Acq: 29 Apr 2024 16:07

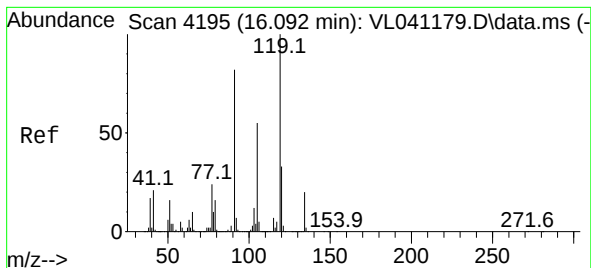
Tgt Ion:120 Resp: 918962

Ion Ratio Lower Upper

120 100

91 480.9 384.8 577.2





#65

tert-Butylbenzene

Concen: 9.575 ppbv

RT: 16.092 min Scan# 4195

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

ClientSampleId :

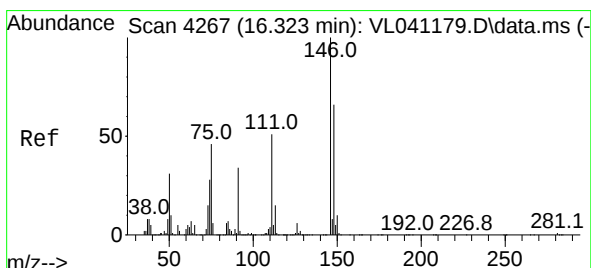
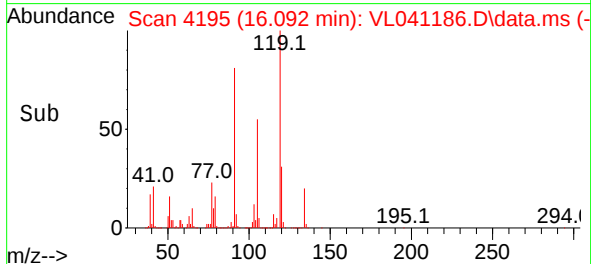
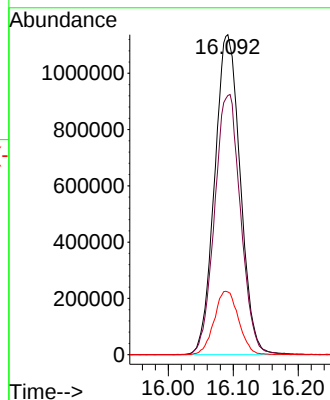
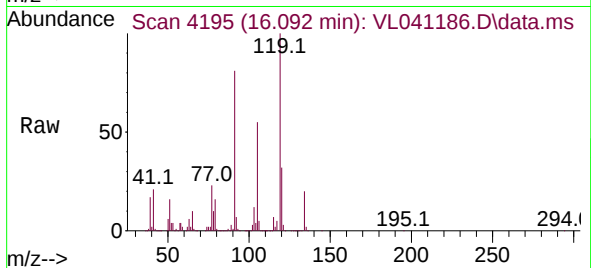
Tgt Ion:119 Resp: 3109298

Ion Ratio Lower Upper

119 100

91 82.6 67.0 100.4

134 19.0 15.2 22.8



#66

Benzyl Chloride

Concen: 7.668 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. 0.003 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

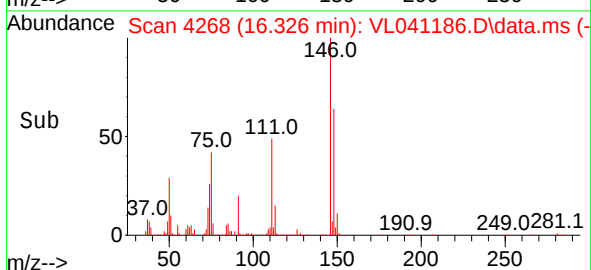
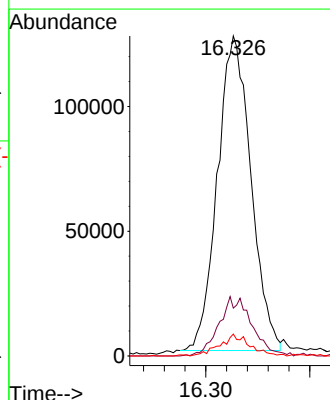
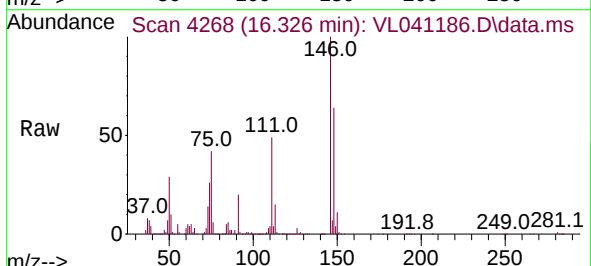
Tgt Ion: 91 Resp: 281863

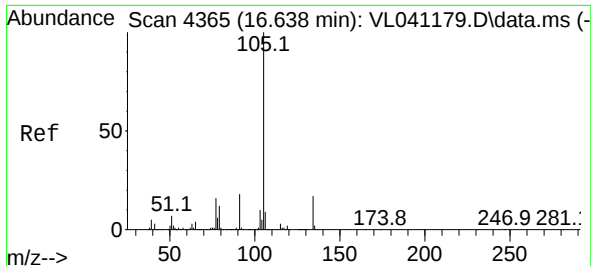
Ion Ratio Lower Upper

91 100

126 18.7 14.6 21.8

128 6.3 4.7 7.1





#67

sec-Butylbenzene

Concen: 9.671 ppbv

RT: 16.638 min Scan# 4365

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

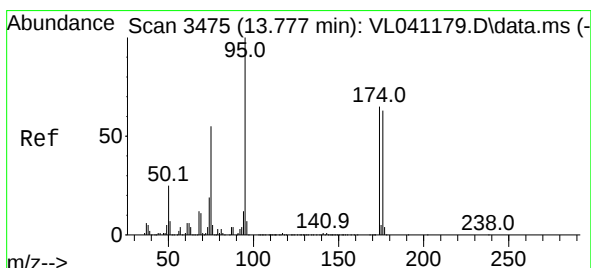
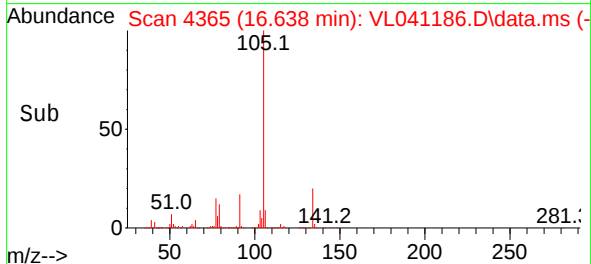
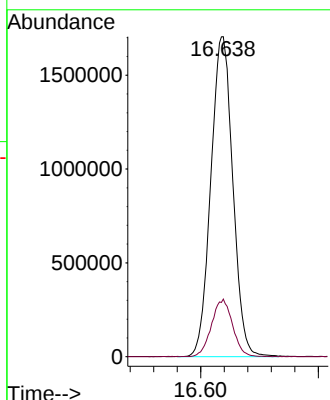
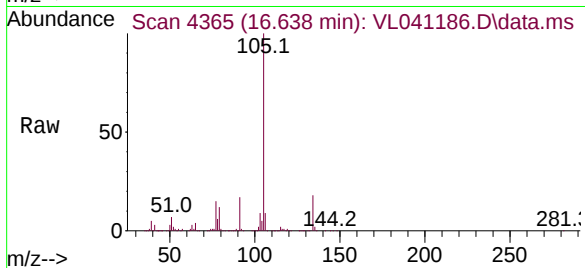
ClientSampleId :

Tgt Ion:105 Resp: 4420713

Ion Ratio Lower Upper

105 100

134 17.2 13.8 20.8



#68

1-Bromo-4-Fluorobenzene

Concen: 9.784 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

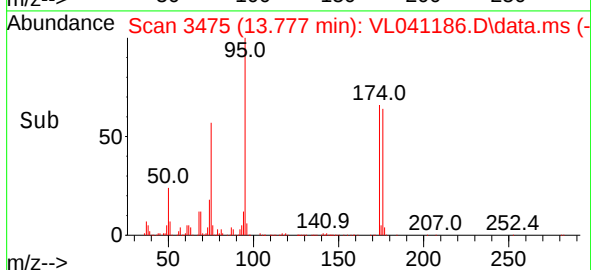
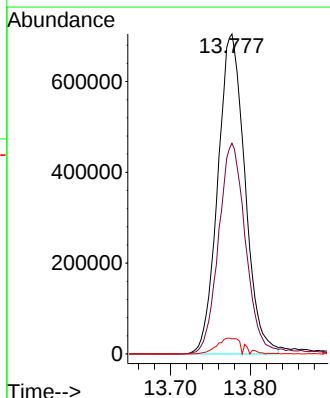
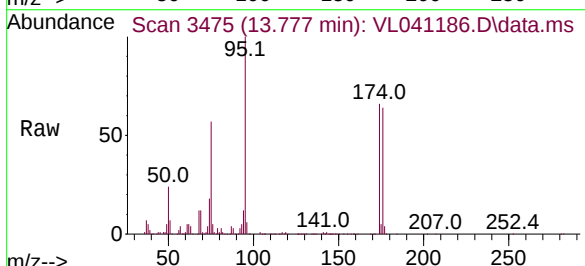
Tgt Ion: 95 Resp: 1657417

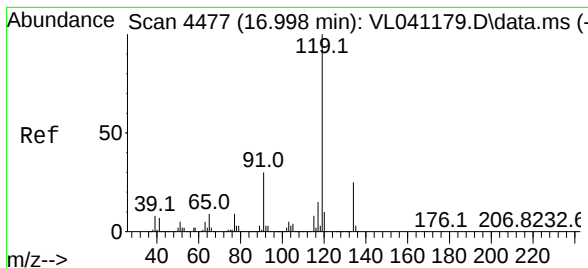
Ion Ratio Lower Upper

95 100

174 67.4 53.6 80.4

175 4.8 4.2 6.4





#69

p-Isopropyltoluene

Concen: 9.685 ppbv

RT: 16.999 min Scan# 4477

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

ClientSampleId :

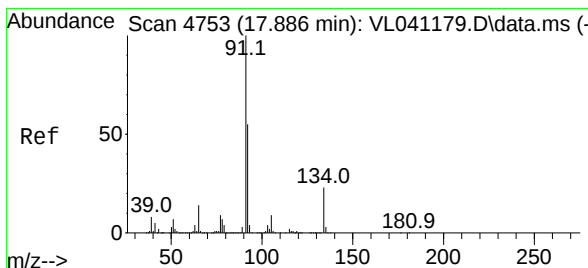
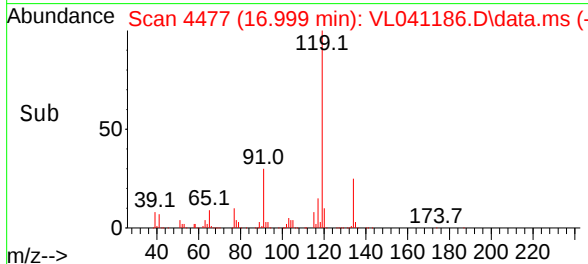
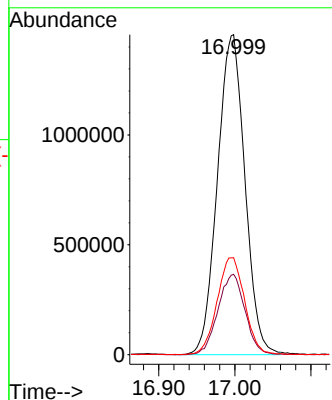
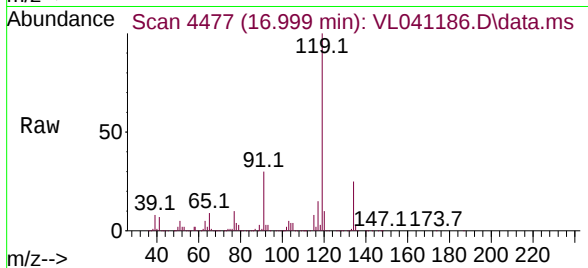
Tgt Ion:119 Resp: 3648250

Ion Ratio Lower Upper

119 100

134 24.8 20.1 30.1

91 30.4 24.2 36.2



#70

n-Butylbenzene

Concen: 9.773 ppbv

RT: 17.886 min Scan# 4753

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

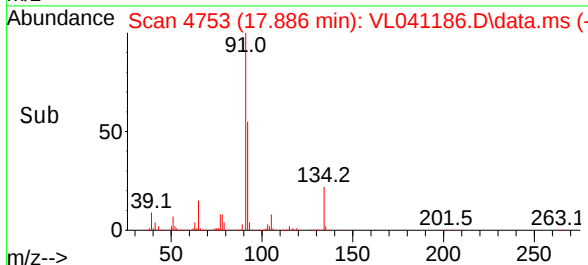
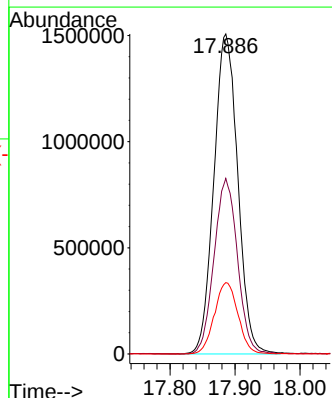
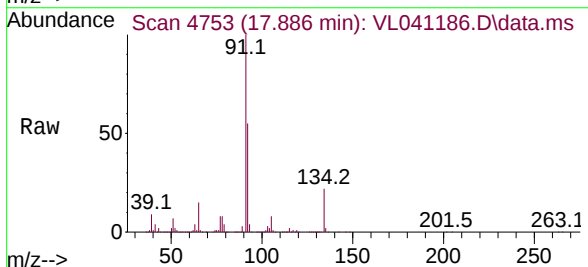
Tgt Ion: 91 Resp: 3844940

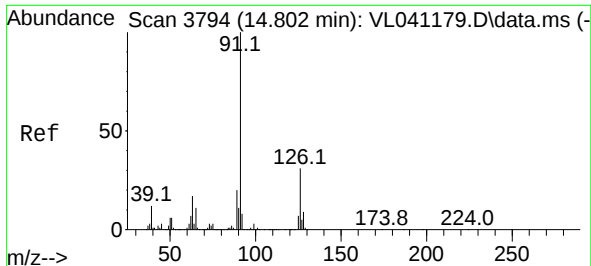
Ion Ratio Lower Upper

91 100

92 53.8 43.3 64.9

134 22.2 17.8 26.8

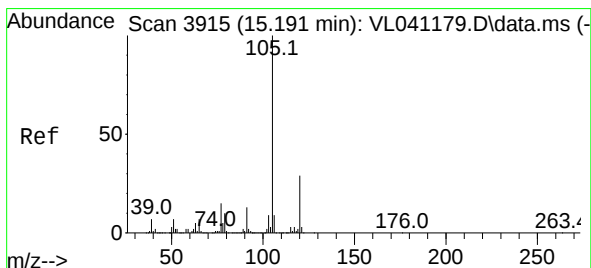
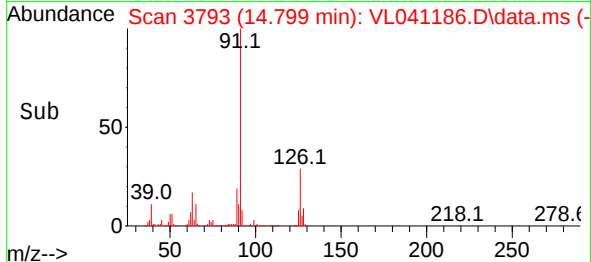
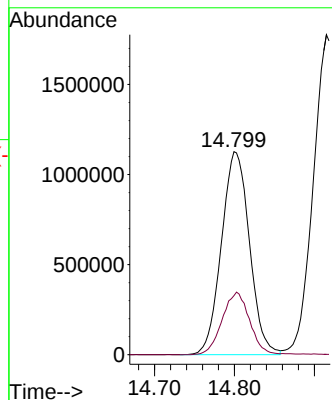
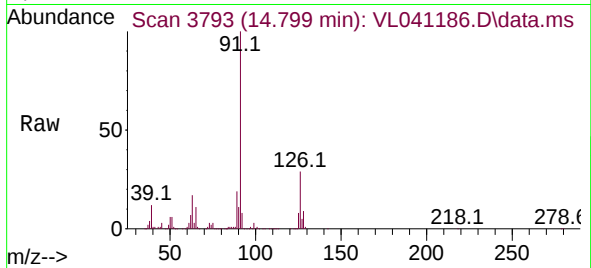




#71
2-Chlorotoluene
Concen: 9.937 ppbv
RT: 14.799 min Scan# 3794
Delta R.T. -0.003 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

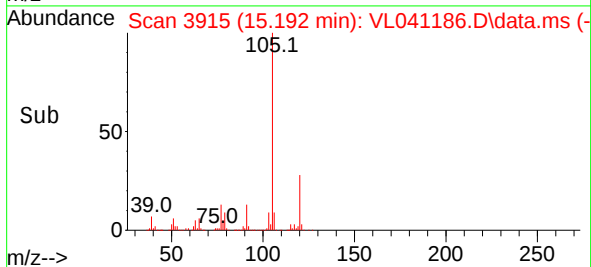
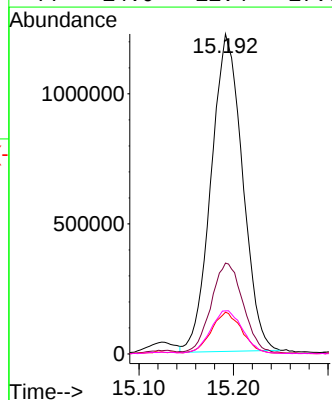
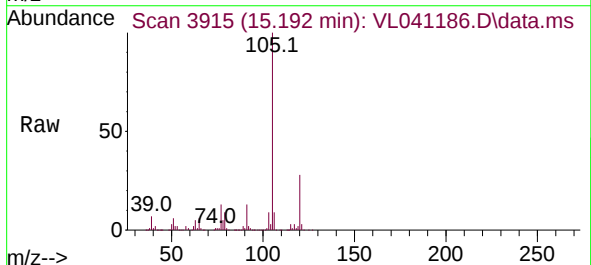
Instrument :
MSVOA_L
ClientSampleId :

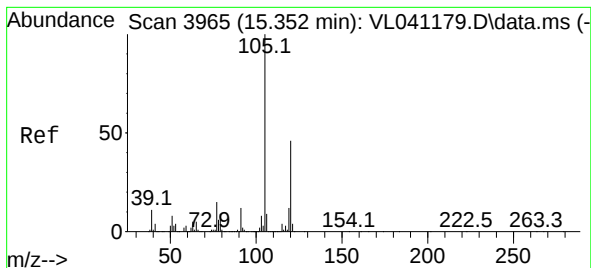
Tgt Ion: 91 Resp: 2743141
Ion Ratio Lower Upper
91 100
126 30.7 12.2 48.8



#72
4-Ethyltoluene
Concen: 10.250 ppbv
RT: 15.192 min Scan# 3915
Delta R.T. 0.000 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

Tgt Ion:105 Resp: 2814150
Ion Ratio Lower Upper
105 100
120 29.9 24.7 37.1
91 13.0 10.3 15.5
77 14.9 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 9.952 ppbv

RT: 15.352 min Scan# 3965

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

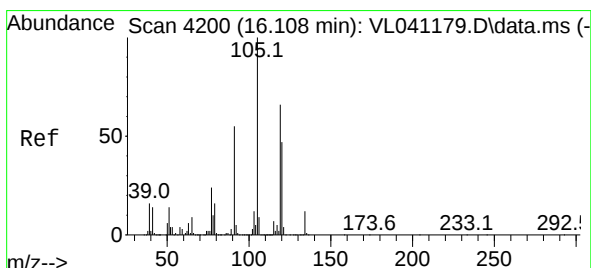
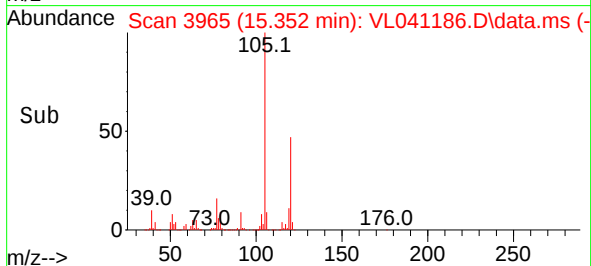
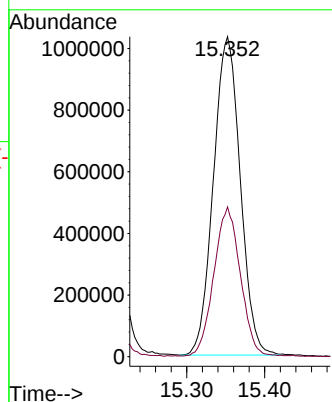
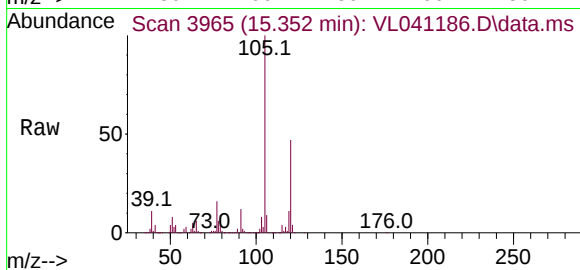
ClientSampleId :

Tgt Ion:105 Resp: 2472069

Ion Ratio Lower Upper

105 100

120 46.8 37.0 55.4



#74

1,2,4-Trimethylbenzene

Concen: 9.875 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Tgt Ion:105 Resp: 2679180

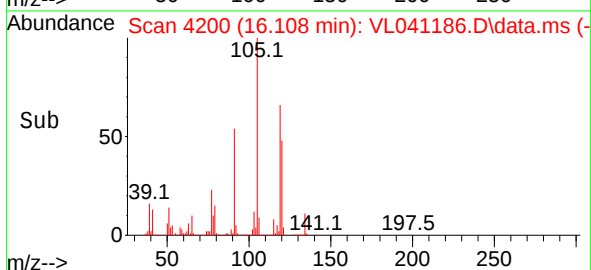
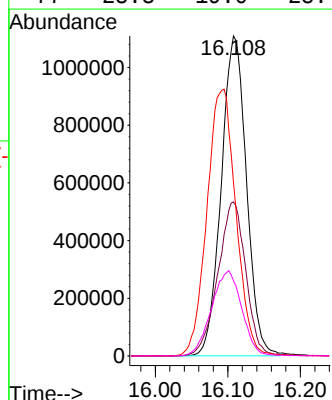
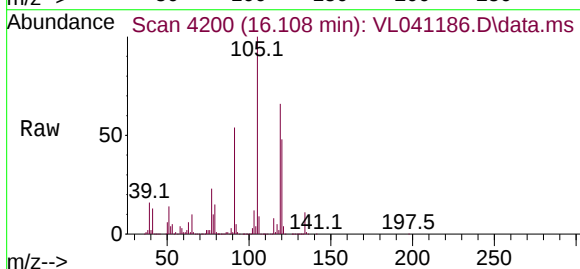
Ion Ratio Lower Upper

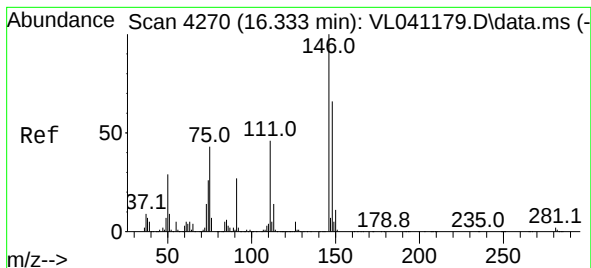
105 100

120 48.0 37.8 56.6

91 53.8 44.3 66.5

77 23.3 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 10.141 ppbv

RT: 16.333 min Scan# 4270

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

ClientSampleId :

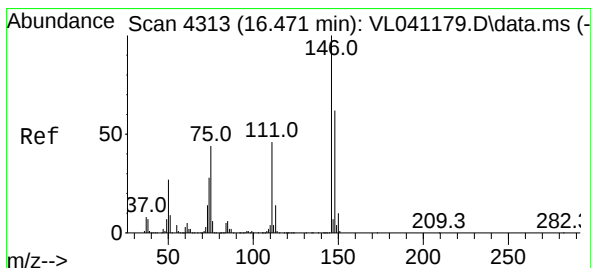
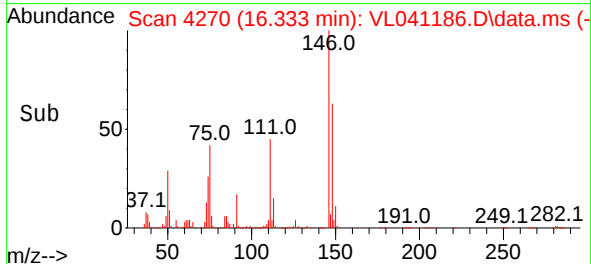
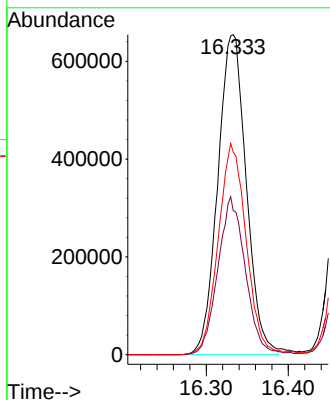
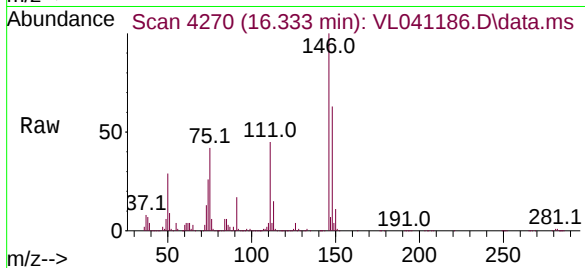
Tgt Ion:146 Resp: 1577586

Ion Ratio Lower Upper

146 100

111 47.6 23.7 71.1

148 65.2 32.5 97.4



#76

1,4-Dichlorobenzene

Concen: 10.406 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

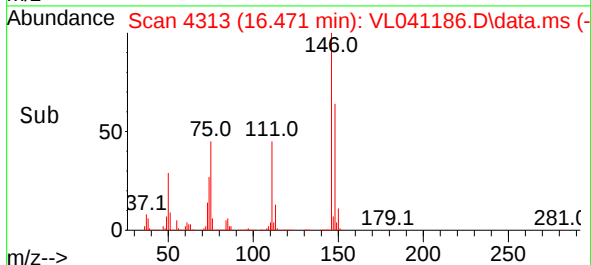
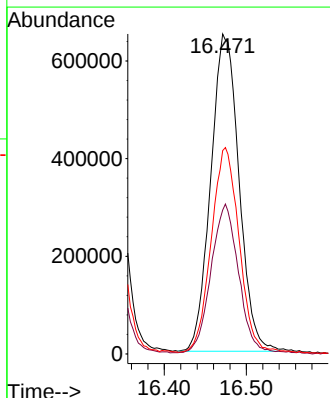
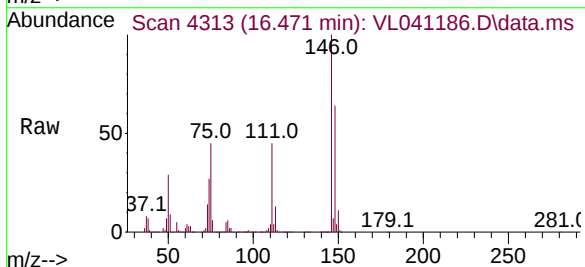
Tgt Ion:146 Resp: 1556729

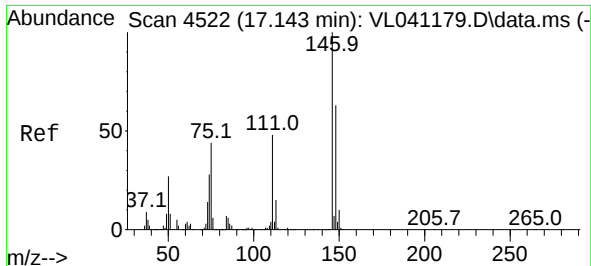
Ion Ratio Lower Upper

146 100

111 46.8 23.3 69.8

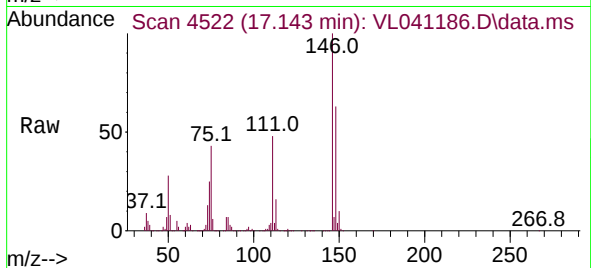
148 65.7 32.6 97.7



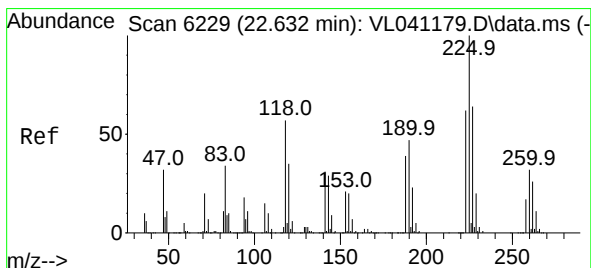
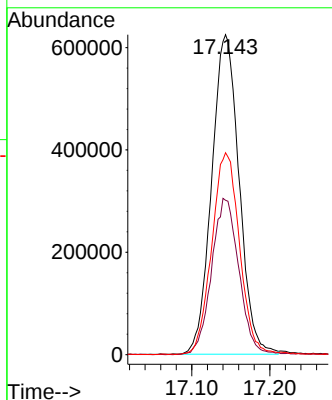
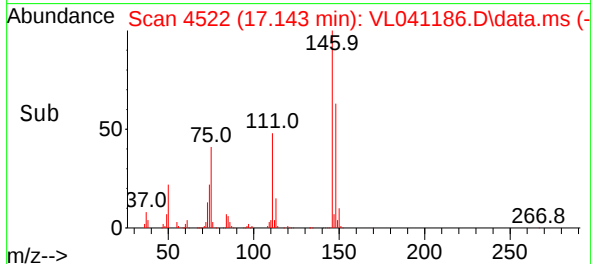


#77
1,2-Dichlorobenzene
Concen: 9.822 ppbv
RT: 17.143 min Scan# 4522
Delta R.T. 0.000 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

Instrument :
MSVOA_L
ClientSampleId :

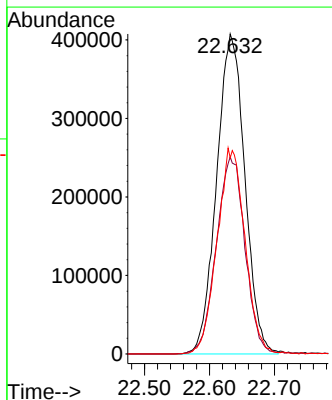
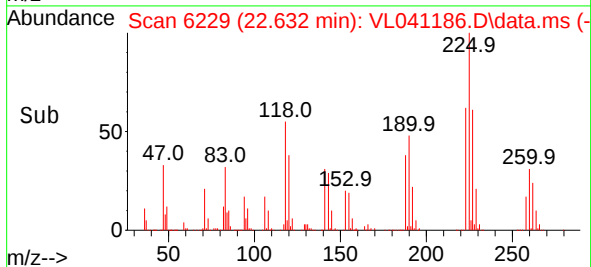
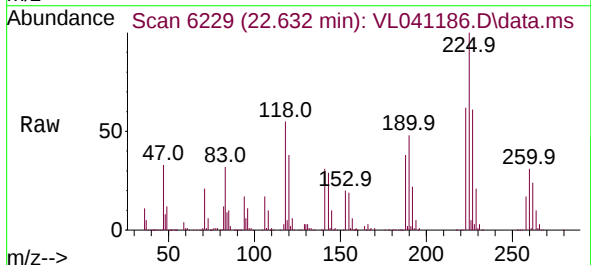


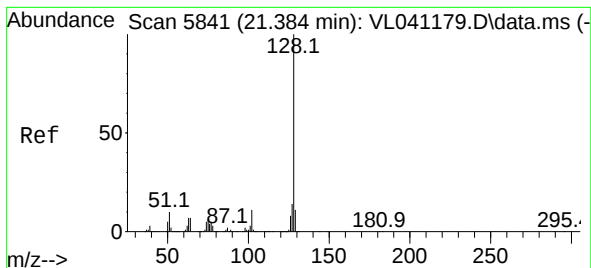
Tgt Ion:146 Resp: 1527384
Ion Ratio Lower Upper
146 100
111 48.8 24.5 73.5
148 64.5 32.6 98.0



#78
Hexachloro-1,3-Butadiene
Concen: 8.904 ppbv
RT: 22.632 min Scan# 6229
Delta R.T. 0.000 min
Lab File: VL041186.D
Acq: 29 Apr 2024 16:07

Tgt Ion:225 Resp: 1230545
Ion Ratio Lower Upper
225 100
223 62.8 50.9 76.3
227 63.9 52.0 78.0





#79

Naphthalene

Concen: 10.292 ppbv

RT: 21.381 min Scan# 5841

Delta R.T. -0.003 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

Instrument :

MSVOA_L

ClientSampleId :

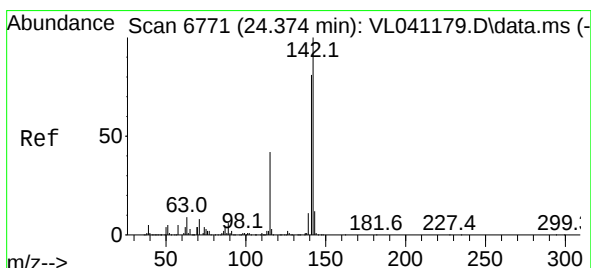
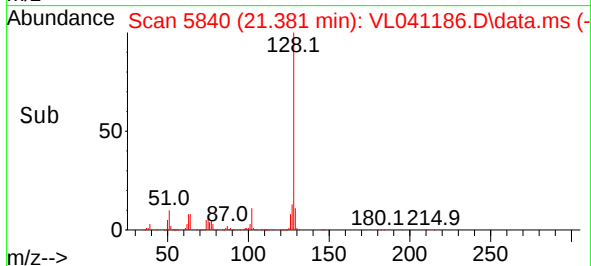
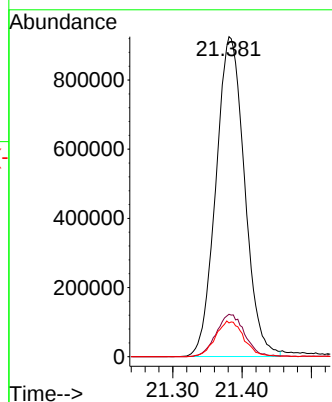
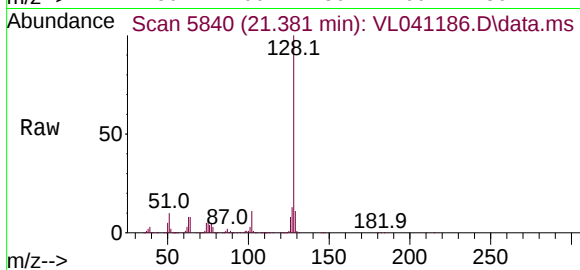
Tgt Ion:128 Resp: 2659048

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

129 10.5 8.9 13.3



#80

Naphthalene,2-methyl-

Concen: 8.451 ppbv

RT: 24.374 min Scan# 6771

Delta R.T. 0.000 min

Lab File: VL041186.D

Acq: 29 Apr 2024 16:07

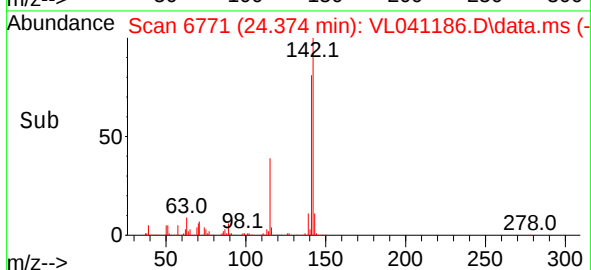
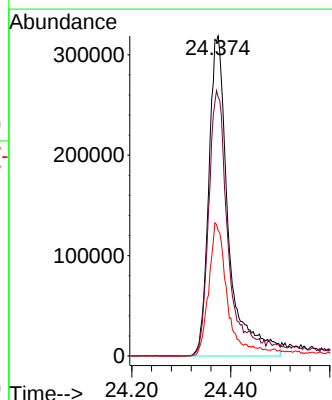
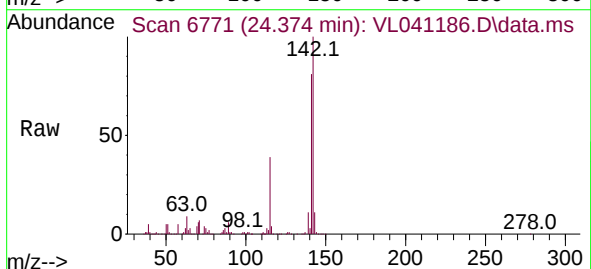
Tgt Ion:142 Resp: 878304

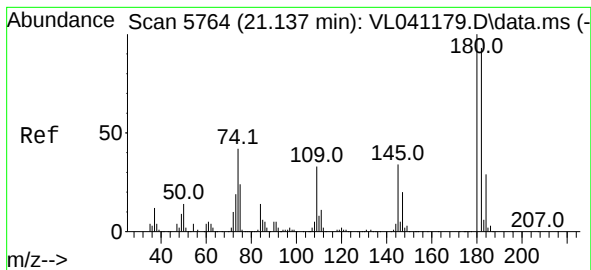
Ion Ratio Lower Upper

142 100

141 81.7 67.9 101.9

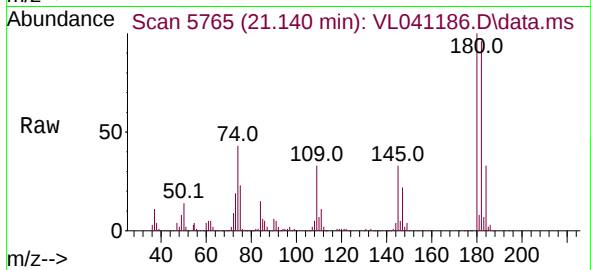
115 40.7 31.4 47.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.847 ppbv
 RT: 21.140 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL041186.D
 Acq: 29 Apr 2024 16:07

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 1343306
 Ion Ratio Lower Upper
 180 100
 182 96.9 77.2 115.8
 184 31.0 24.6 36.8

