

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
 Data File : VL040267.D
 Acq On : 13 Mar 2023 16:20
 Operator : SY/MD
 Sample : VL0313ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS01

Quant Time: Mar 14 04:54:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Mar 14 04:52:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	894569	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2281413	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2199488	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	1796769	9.934	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	1608255	9.646	ppbv	100
3) Chlorodifluoromethane	2.661	51	1090325	10.203	ppbv	98
4) Chloromethane	2.803	50	670989	9.996	ppbv	95
5) Vinyl Chloride	2.909	62	586148	10.866	ppbv	99
6) Bromomethane	3.108	94	200200	10.283	ppbv	97
7) Chloroethane	3.189	64	220505	10.308	ppbv	100
8) Dichlorotetrafluoroethane	2.845	85	1493788	10.398	ppbv	99
9) Propene	2.681	41	432395	9.926	ppbv	99
10) Heptane	7.584	43	1121915	10.821	ppbv	99
11) Trichlorofluoromethane	3.555	101	1589376	10.624	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.060	101	1180942	10.701	ppbv	98
13) Ethanol	3.237	45	23532	5.868	ppbv	88
14) Bromoethene	3.359	108	457205	10.804	ppbv	98
15) Acetone	3.459	43	1048592	9.736	ppbv	99
16) 1,3-Butadiene	2.976	39	532497	10.826	ppbv	100
17) tert-Butyl alcohol	3.870	59	1064468	10.837	ppbv	100
18) 1,1-Dichloroethene	3.873	96	519758	10.839	ppbv	98
19) Isopropyl Alcohol	3.565	45	472920	9.237	ppbv	98
20) Methylene Chloride	3.928	84	435117	7.761	ppbv	94
21) Allyl Chloride	3.989	41	705154	10.675	ppbv	97
22) trans-1,2-Dichloroethene	4.439	96	525539	10.584	ppbv	90
23) Vinyl Acetate	4.623	43	344410	10.537	ppbv	99
24) 1,1-Dichloroethane	4.562	63	1092716	10.695	ppbv	99
25) Ethyl Acetate	5.201	43	2055843	10.268	ppbv	100
26) Hexane	5.211	57	848461	9.872	ppbv	99
27) Carbon Disulfide	4.118	76	1287915	11.809	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	961577	10.441	ppbv	99
29) Chloroform	5.275	83	1507258	10.213	ppbv	100
30) Cyclohexane	6.606	84	730473	10.823	ppbv	98
31) cis-1,2-Dichloroethene	5.079	61	808956	9.906	ppbv	99
32) 1,1,1-Trichloroethane	6.005	97	1540950	11.113	ppbv	100
34) 2-Butanone	4.783	43	1161506	10.321	ppbv	99
35) Carbon Tetrachloride	6.500	117	1607045	11.915	ppbv	99
36) Benzene	6.375	78	1827831	10.295	ppbv	97
37) 1,2-Dichloroethane	5.809	62	1189725	10.714	ppbv	98
38) Trichloroethene	7.298	130	1108757	11.333	ppbv	99
39) 1,2-Dichloropropane	7.079	63	712462	10.316	ppbv	98
40) 1,4-Dioxane	7.291	88	260416	9.426	ppbv	77
41) Tetrahydrofuran	5.555	42	674170	10.337	ppbv	99
42) Bromodichloromethane	7.256	83	1700868	11.098	ppbv	98
43) Methyl Methacrylate	7.481	69	741295	11.284	ppbv	100
44) 2,2,4-Trimethylpentane	7.330	57	3107797	10.486	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	711132	12.203	ppbv	98

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Instrument :
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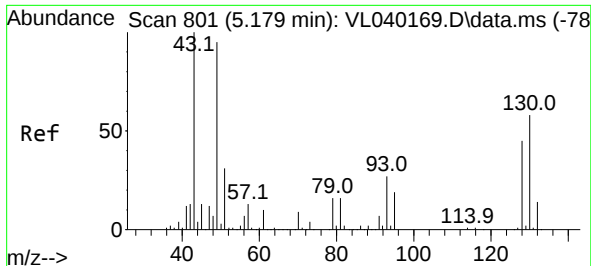
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Mar 14 04:52:39 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	968927	11.935	ppbv	99
47) 1,1,2-Trichloroethane	8.912	97	766199	10.257	ppbv	97
48) Dibromochloromethane	9.722	129	1350491	11.303	ppbv	99
49) Bromoform	12.420	173	1070609	11.480	ppbv	100
50) 4-Methyl-2-Pentanone	8.188	43	1958404	11.207	ppbv	99
51) 2-Hexanone	9.561	43	1524032	11.341	ppbv #	98
52) Tetrachloroethene	10.629	164	609907	11.001	ppbv	98
53) Toluene	9.230	91	2106960	11.080	ppbv	98
54) 1,2-Dibromoethane	10.021	107	860329	11.069	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.523	131	983918	10.657	ppbv	96
57) Chlorobenzene	11.539	112	1614200	10.045	ppbv	99
58) Ethyl Benzene	12.101	91	2889769	10.813	ppbv	99
59) m/p-Xylene	12.384	91	2963228	12.519	ppbv #	53
60) o-Xylene	13.072	91	2442228	10.723	ppbv	99
61) Styrene	12.912	104	1357115	11.350	ppbv	99
62) Isopropylbenzene	14.044	105	3417824	10.455	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.063	83	809663	9.865	ppbv	100
64) n-propylbenzene	14.931	120	850675	10.514	ppbv	94
65) tert-Butylbenzene	16.105	119	2972177	10.459	ppbv	98
66) Benzyl Chloride	16.339	91	196921	10.413	ppbv	99
67) sec-Butylbenzene	16.654	105	4232195	10.385	ppbv	100
69) p-Isopropyltoluene	17.011	119	3359687	10.399	ppbv	99
70) n-Butylbenzene	17.902	91	3638626	10.376	ppbv	99
71) 2-Chlorotoluene	14.818	91	2612751	10.450	ppbv	99
72) 4-Ethyltoluene	15.207	105	2722782	10.815	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	2448816	10.453	ppbv	97
74) 1,2,4-Trimethylbenzene	16.121	105	2665744	10.359	ppbv	92
75) 1,3-Dichlorobenzene	16.346	146	1411417	10.022	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	1373786	9.955	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	1353958	9.679	ppbv	100
78) Hexachloro-1,3-Butadiene	22.657	225	916697	9.539	ppbv	100
79) Naphthalene	21.403	128	1811244	12.529	ppbv	99
80) Naphthalene,2-methyl-	24.394	142	367601	8.942	ppbv	98
81) 1,2,4-Trichlorobenzene	21.159	180	974716	10.774	ppbv	99

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Mar 14 04:52:39 2023
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.192 min Scan# 80

Delta R.T. 0.003 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Instrument :

MSVOA_1

ClientSampleId :

VL0313ABS01

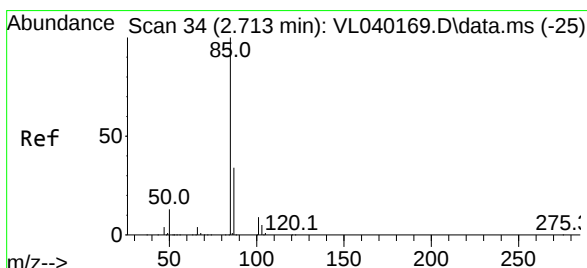
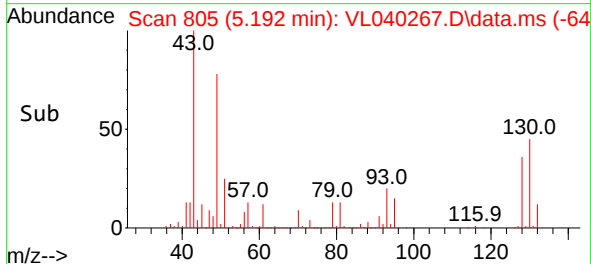
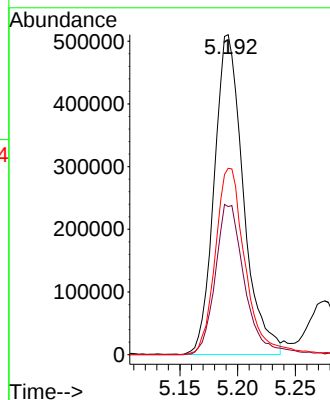
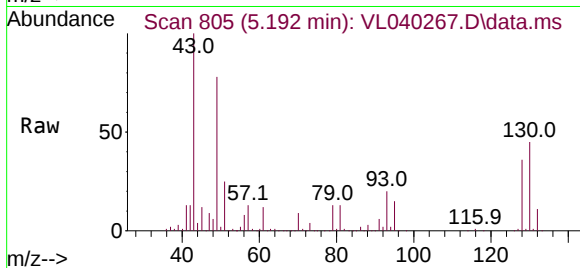
Tgt Ion: 49 Resp: 894569

Ion Ratio Lower Upper

49 100

128 48.6 24.1 72.3

130 61.1 30.9 92.8



#2

Dichlorodifluoromethane

Concen: 9.646 ppbv

RT: 2.719 min Scan# 36

Delta R.T. 0.006 min

Lab File: VL040267.D

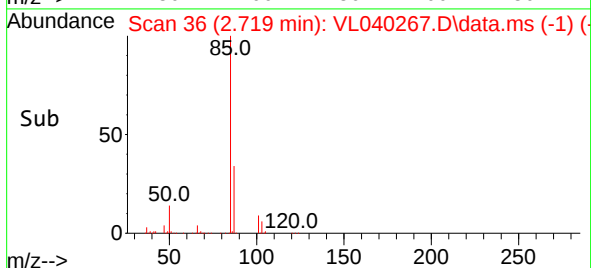
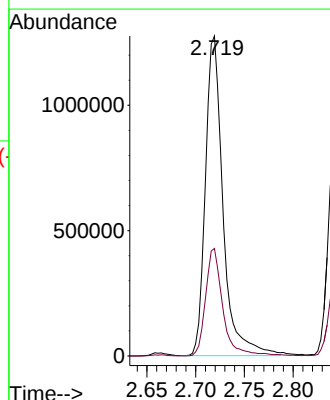
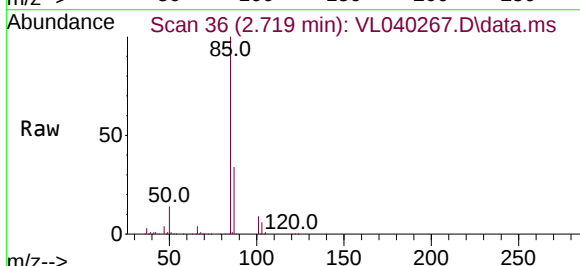
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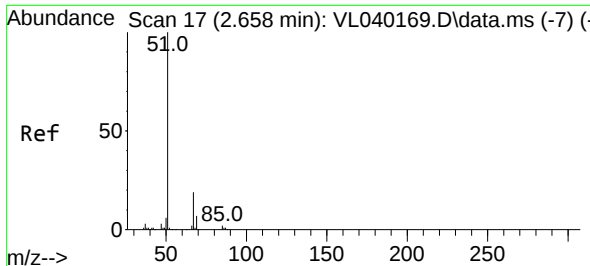
Tgt Ion: 85 Resp: 1608255

Ion Ratio Lower Upper

85 100

87 33.6 27.0 40.6

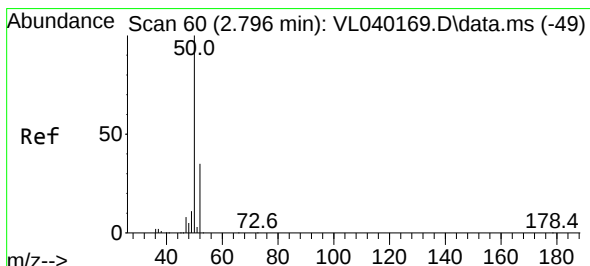
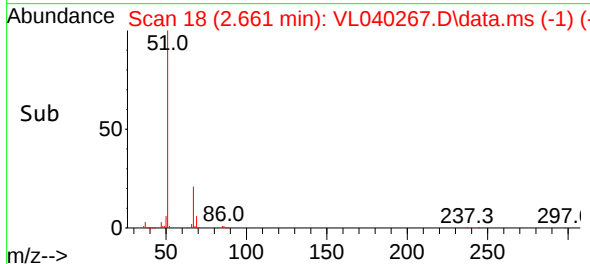
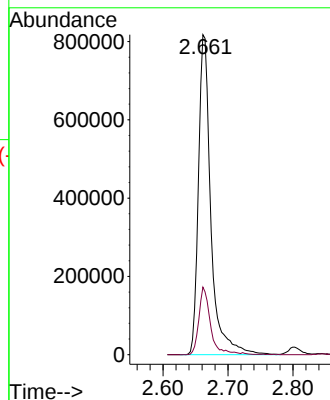
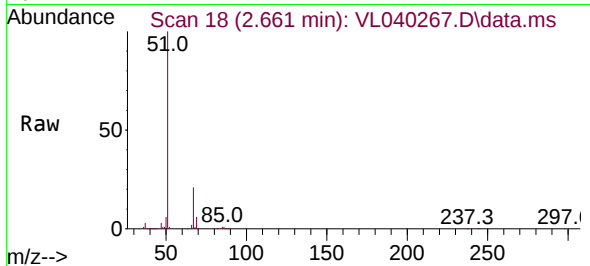




#3
Chlorodifluoromethane
Concen: 10.203 ppbv
RT: 2.661 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

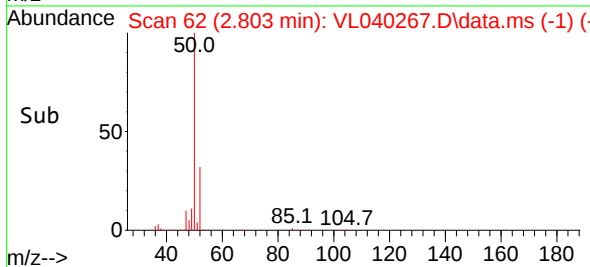
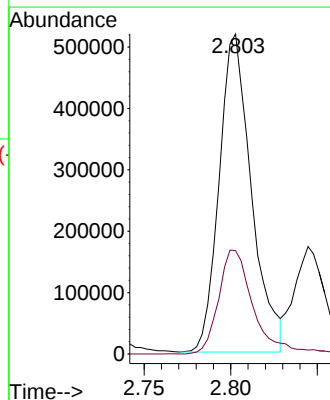
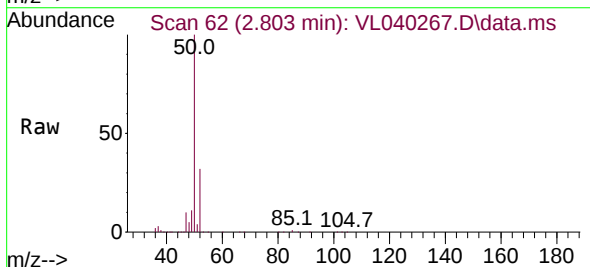
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

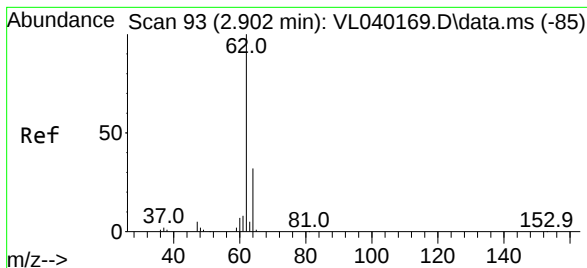
Tgt Ion: 51 Resp: 1090325
Ion Ratio Lower Upper
51 100
67 20.1 15.4 23.2



#4
Chloromethane
Concen: 9.996 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion: 50 Resp: 670989
Ion Ratio Lower Upper
50 100
52 32.5 28.3 42.5

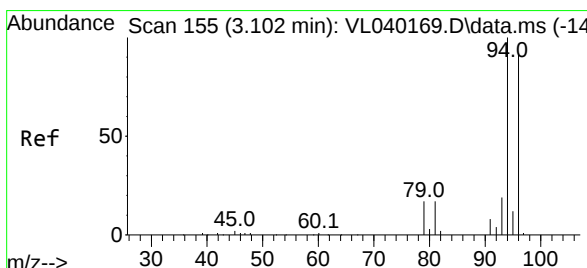
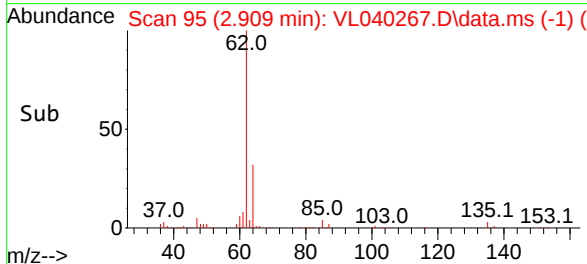
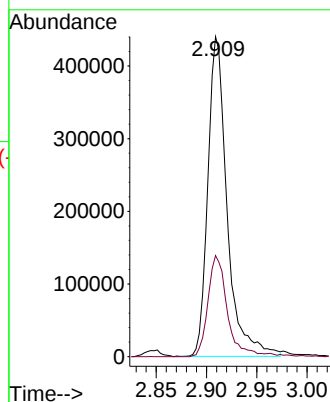
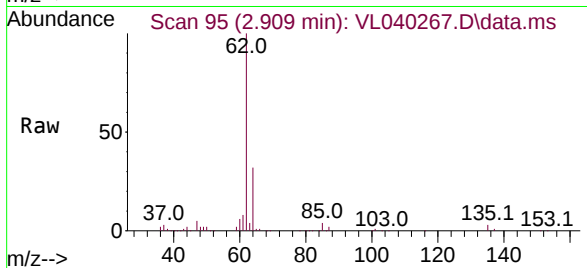




#5
 Vinyl Chloride
 Concen: 10.866 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL040267.D
 Acq: 13 Mar 2023 16:20

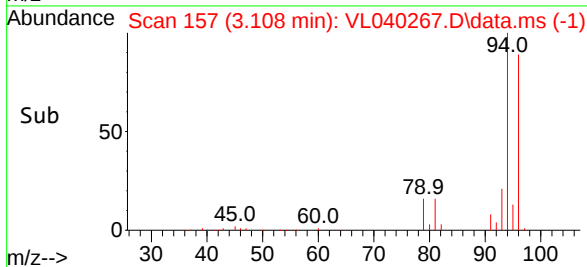
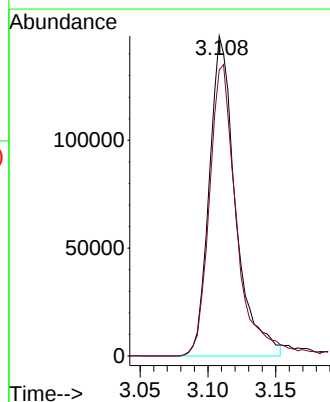
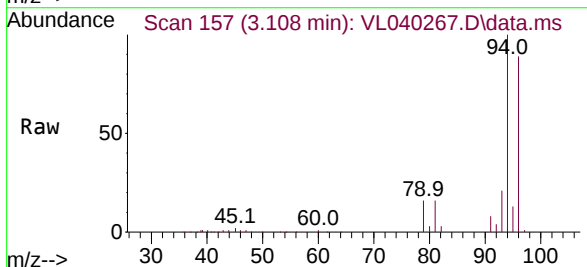
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0313ABS01

Tgt Ion: 62 Resp: 586148
 Ion Ratio Lower Upper
 62 100
 64 31.6 25.6 38.4



#6
 Bromomethane
 Concen: 10.283 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. 0.003 min
 Lab File: VL040267.D
 Acq: 13 Mar 2023 16:20

Tgt Ion: 94 Resp: 200200
 Ion Ratio Lower Upper
 94 100
 96 89.4 73.4 110.2

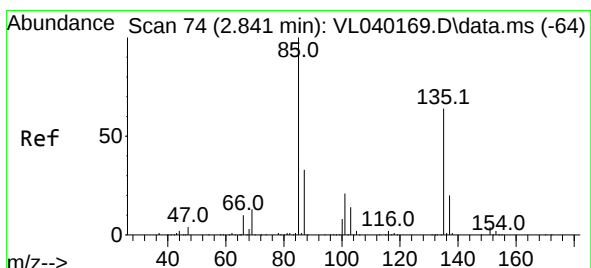
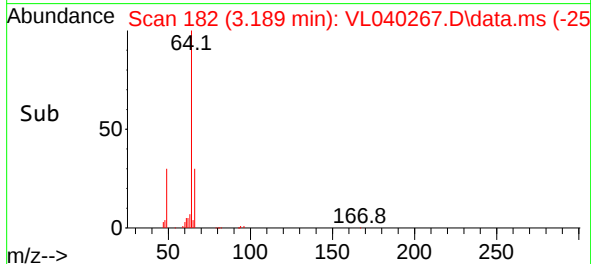
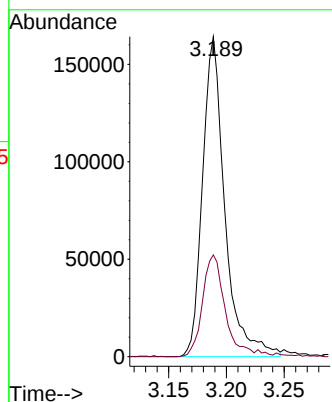
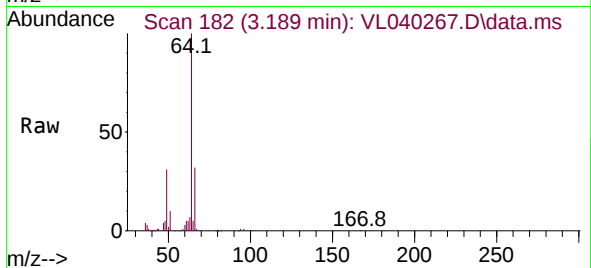




#7
Chloroethane
Concen: 10.308 ppbv
RT: 3.189 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

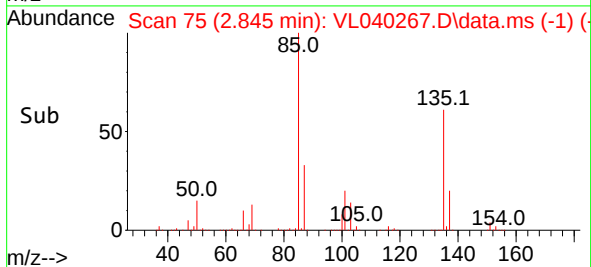
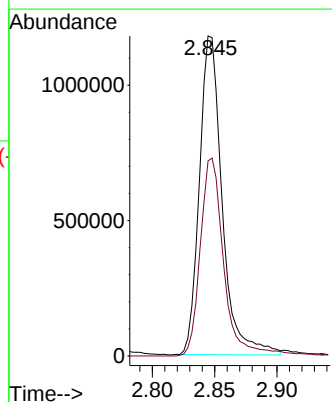
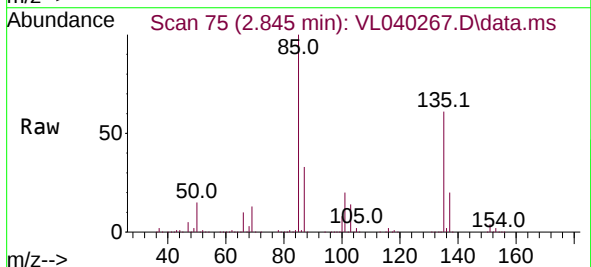
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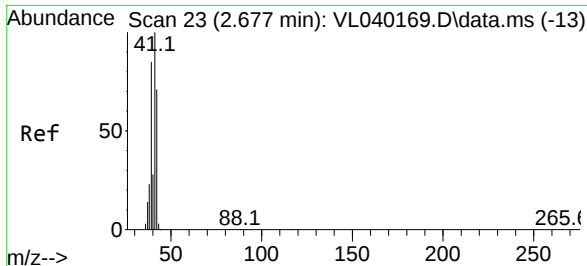
Tgt Ion: 64 Resp: 220505
Ion Ratio Lower Upper
64 100
66 31.8 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 10.398 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.003 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion: 85 Resp: 1493788
Ion Ratio Lower Upper
85 100
135 64.8 51.5 77.3

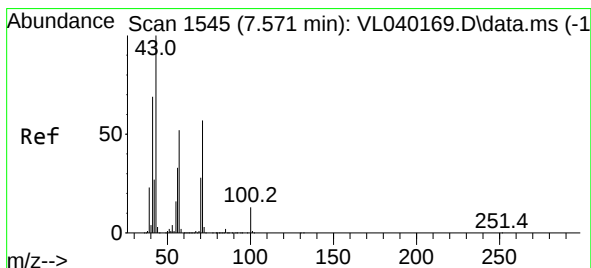
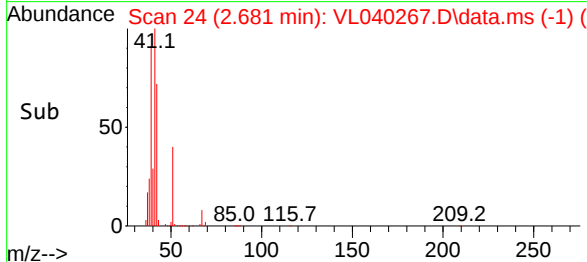
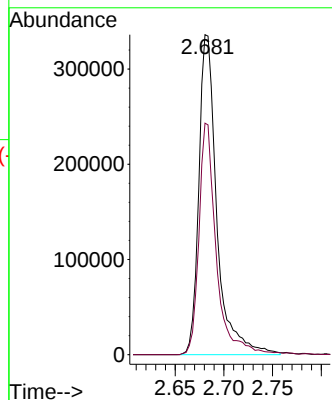
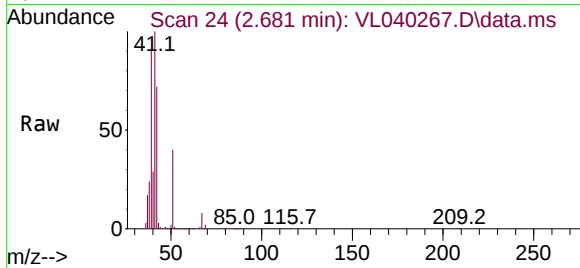




#9
 Propene
 Concen: 9.926 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: VL040267.D
 Acq: 13 Mar 2023 16:20

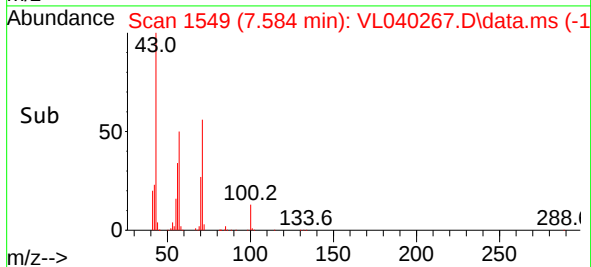
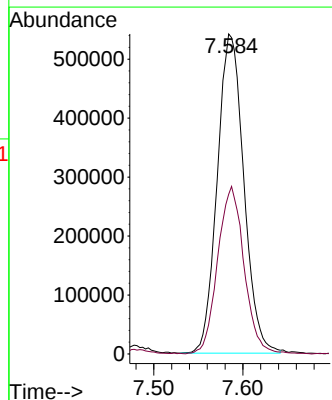
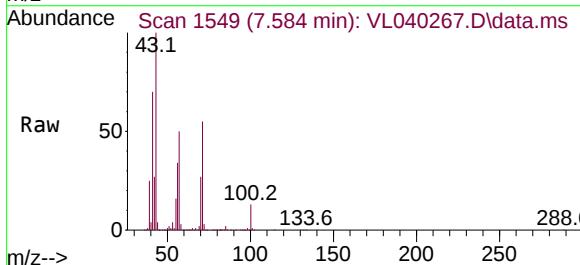
Instrument :
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 ClientSampleId :
 VL0313ABS01

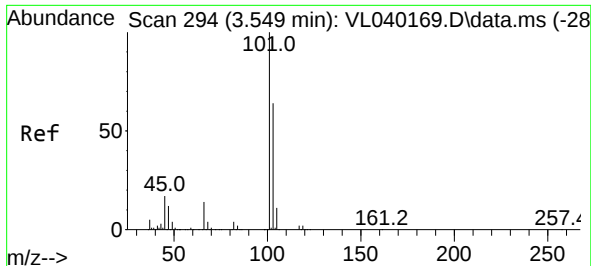
Tgt Ion: 41 Resp: 432395
 Ion Ratio Lower Upper
 41 100
 42 70.2 56.9 85.3



#10
 Heptane
 Concen: 10.821 ppbv
 RT: 7.584 min Scan# 1549
 Delta R.T. 0.003 min
 Lab File: VL040267.D
 Acq: 13 Mar 2023 16:20

Tgt Ion: 43 Resp: 1121915
 Ion Ratio Lower Upper
 43 100
 57 52.4 41.4 62.2

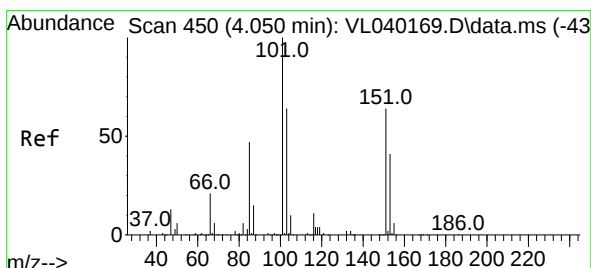
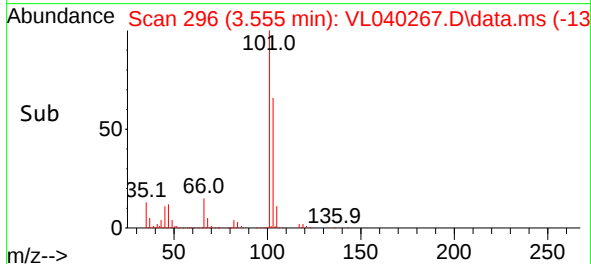
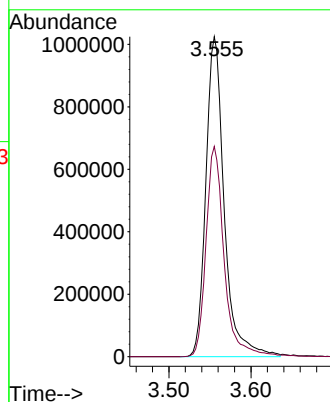
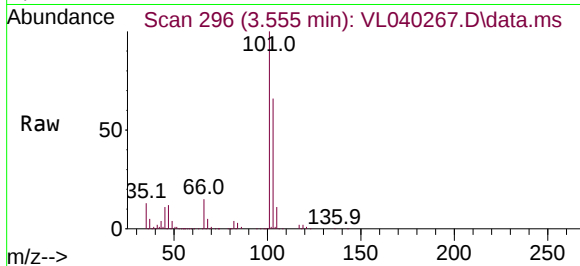




#11
Trichlorofluoromethane
Concen: 10.624 ppbv
RT: 3.555 min Scan# 294
Delta R.T. 0.003 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

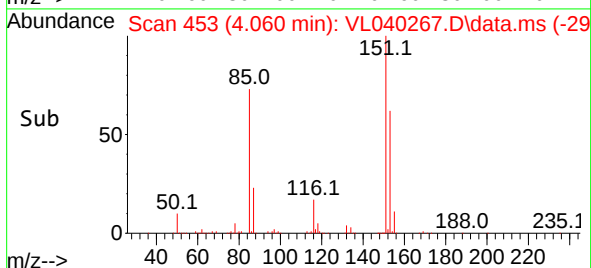
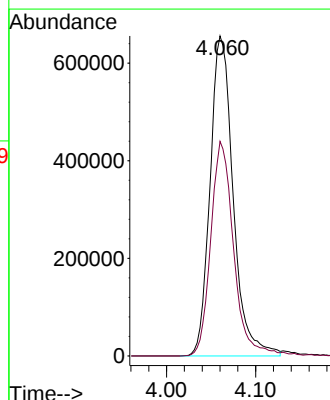
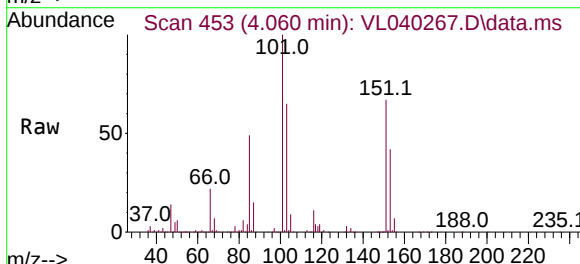
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

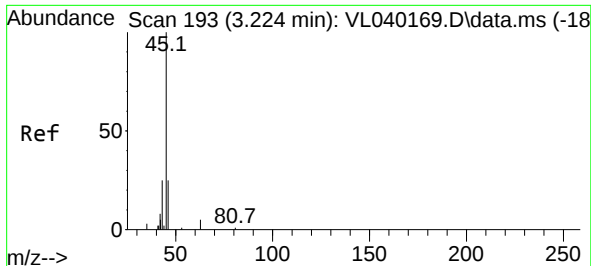
Tgt Ion:101 Resp: 1589376
Ion Ratio Lower Upper
101 100
103 65.7 51.0 76.6



#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.701 ppbv
RT: 4.060 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion:101 Resp: 1180942
Ion Ratio Lower Upper
101 100
151 67.0 54.7 82.1

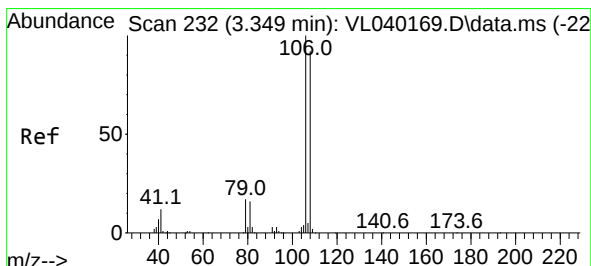
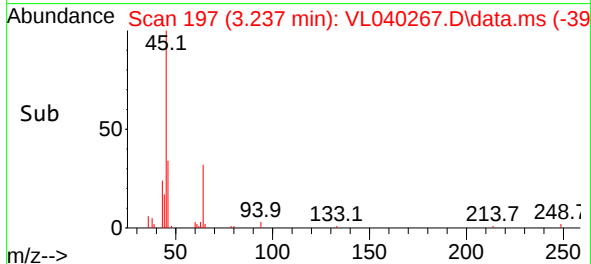
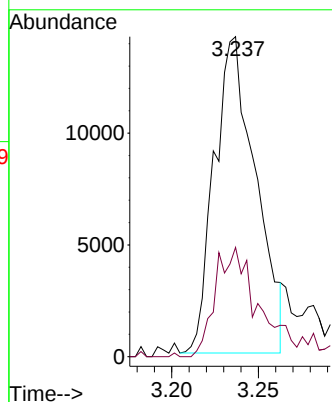
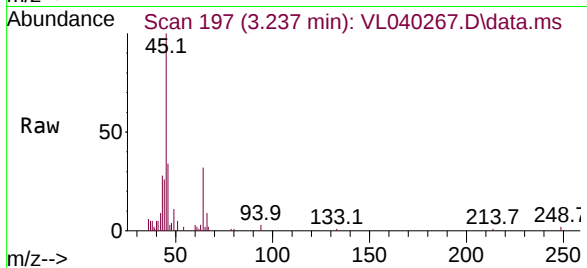




#13
Ethanol
Concen: 5.868 ppbv
RT: 3.237 min Scan# 193
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

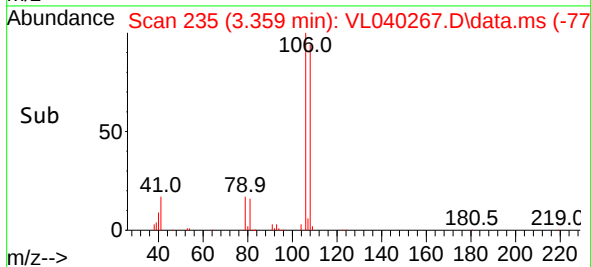
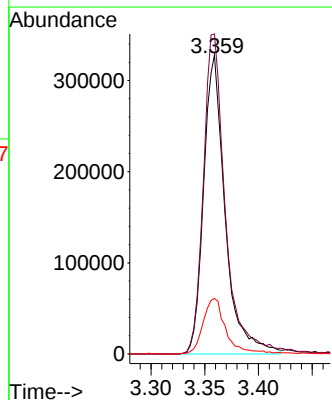
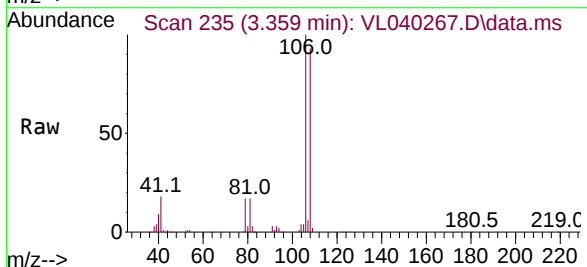
Instrument :
MSVOA_1
ClientSampleId :
VL0313ABS01

Tgt Ion: 45 Resp: 23532
Ion Ratio Lower Upper
45 100
46 40.0 13.3 53.1



#14
Bromoethene
Concen: 10.804 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion:108 Resp: 457205
Ion Ratio Lower Upper
108 100
106 111.0 87.1 130.7
79 20.3 15.4 23.2





#15

Acetone

Concen: 9.736 ppbv

RT: 3.459 min Scan# 2

Delta R.T. 0.003 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

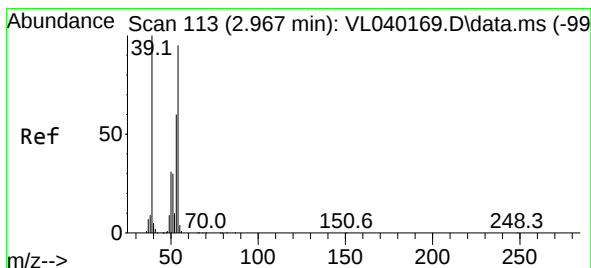
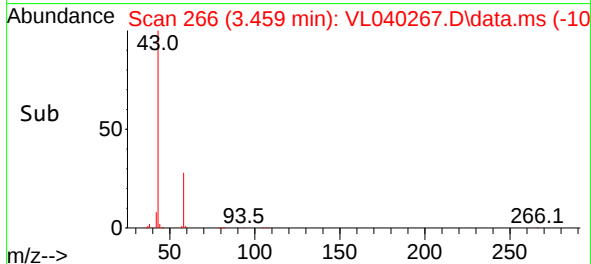
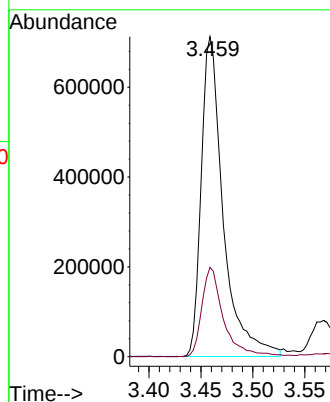
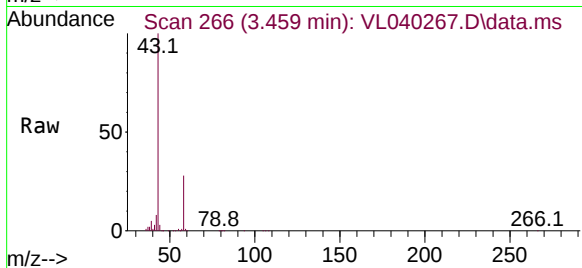
VL0313ABS01

Tgt Ion: 43 Resp: 1048592

Ion Ratio Lower Upper

43 100

58 27.7 22.4 33.6



#16

1,3-Butadiene

Concen: 10.826 ppbv

RT: 2.976 min Scan# 116

Delta R.T. 0.006 min

Lab File: VL040267.D

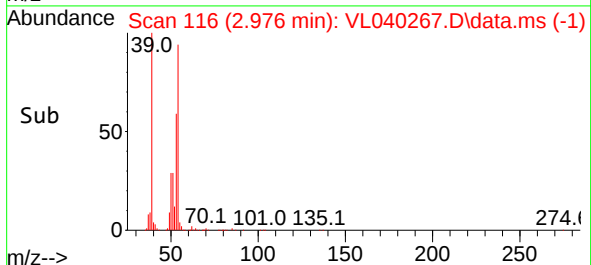
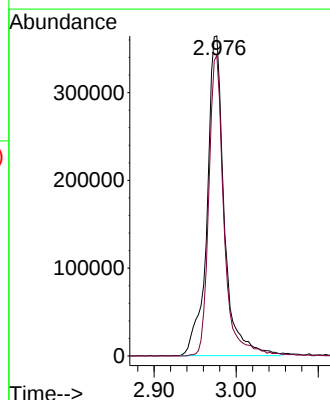
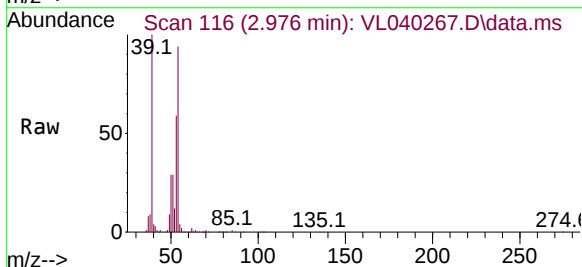
Acq: 13 Mar 2023 16:20

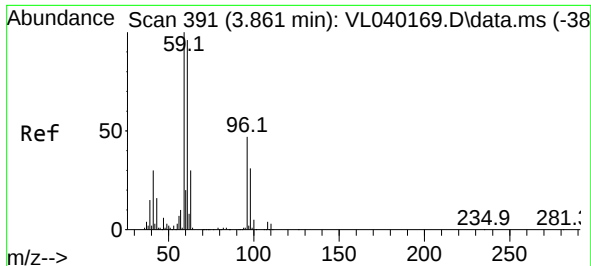
Tgt Ion: 39 Resp: 532497

Ion Ratio Lower Upper

39 100

54 83.6 66.7 100.1

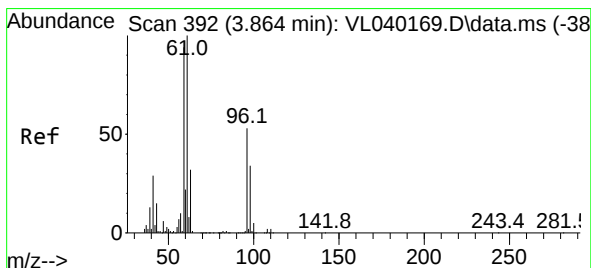
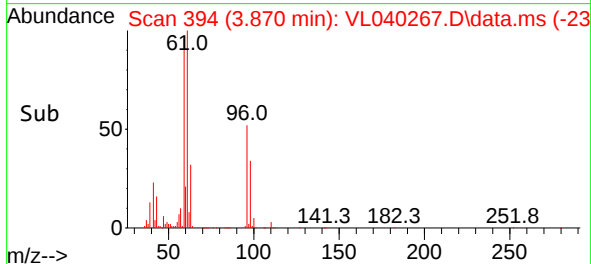
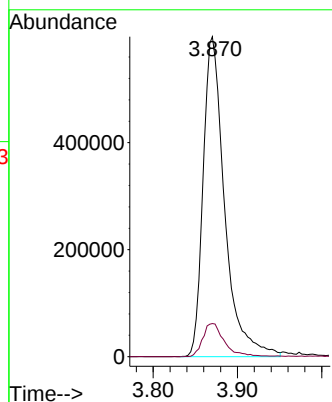
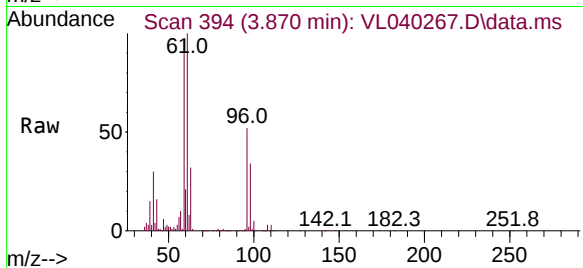




#17
tert-Butyl alcohol
Concen: 10.837 ppbv
RT: 3.870 min Scan# 391
Delta R.T. 0.003 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

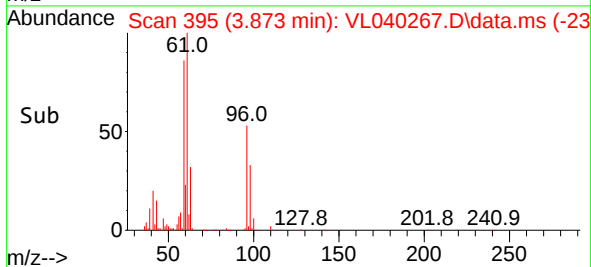
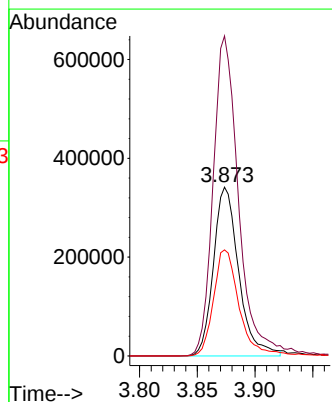
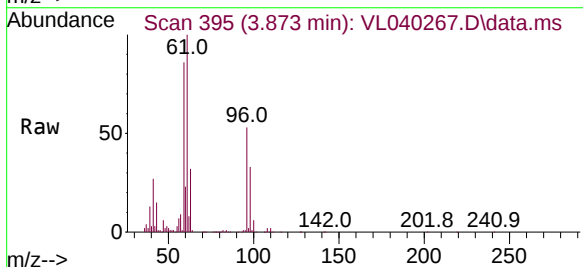
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

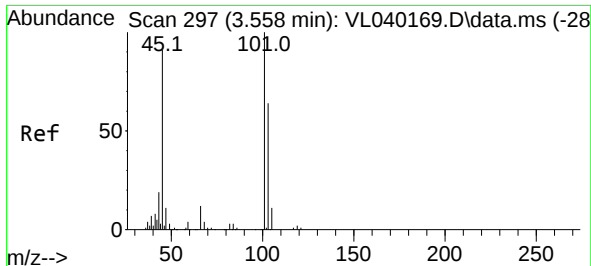
Tgt Ion: 59 Resp: 1064468
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7



#18
1,1-Dichloroethene
Concen: 10.839 ppbv
RT: 3.873 min Scan# 395
Delta R.T. 0.003 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion: 96 Resp: 519758
Ion Ratio Lower Upper
96 100
61 189.5 149.6 224.4
98 62.8 51.1 76.7

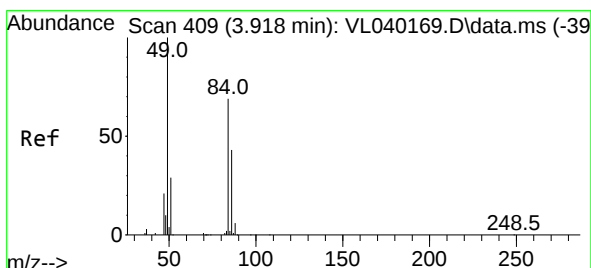
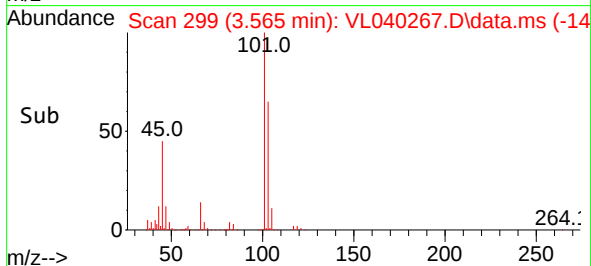
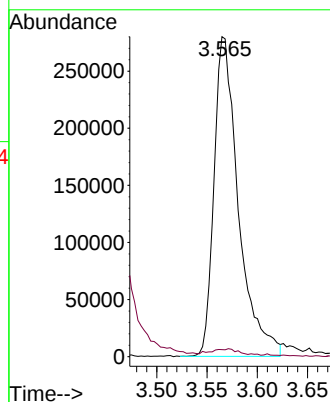
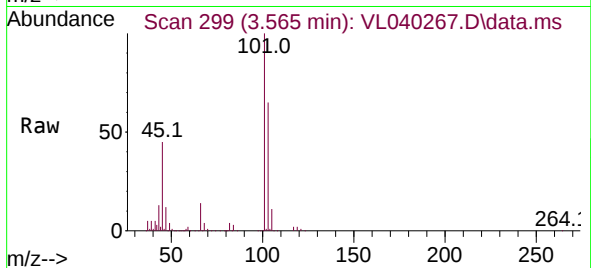




#19
Isopropyl Alcohol
Concen: 9.237 ppbv
RT: 3.565 min Scan# 297
Delta R.T. 0.003 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

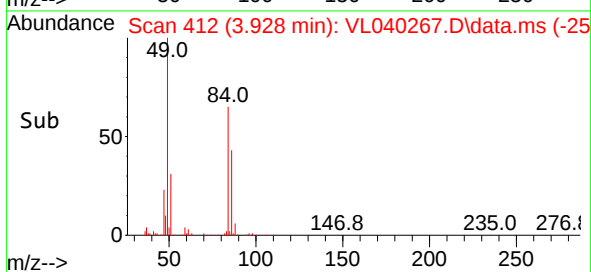
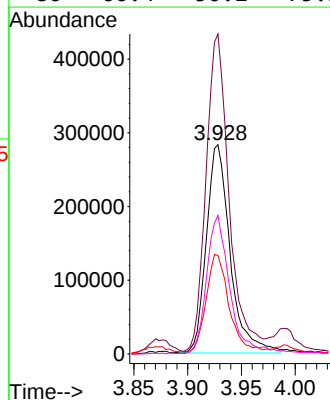
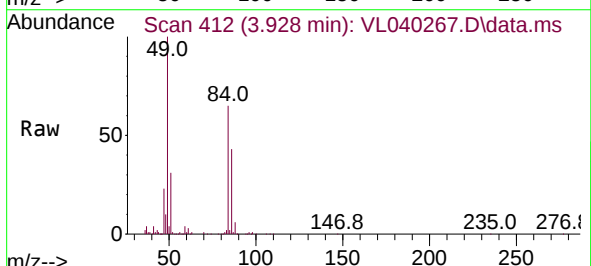
Instrument :
MSVOA_1
ClientSampleId :
VL0313ABS01

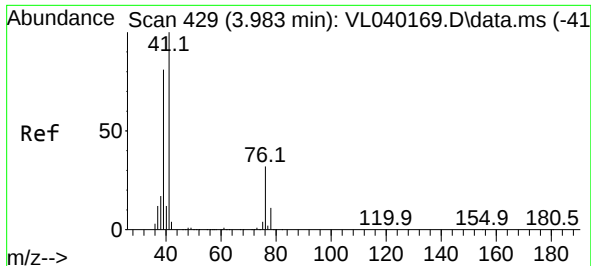
Tgt Ion: 45 Resp: 472920
Ion Ratio Lower Upper
45 100
58 3.7 2.6 3.8



#20
Methylene Chloride
Concen: 7.761 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion: 84 Resp: 435117
Ion Ratio Lower Upper
84 100
49 152.1 115.5 173.3
51 46.3 33.1 49.7
86 66.4 50.2 75.2

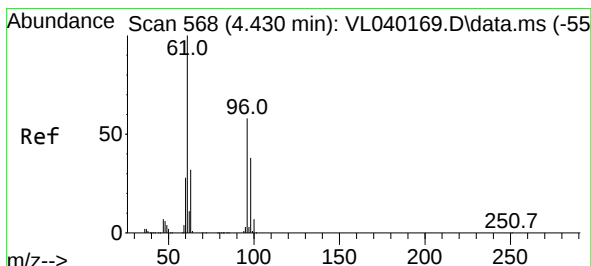
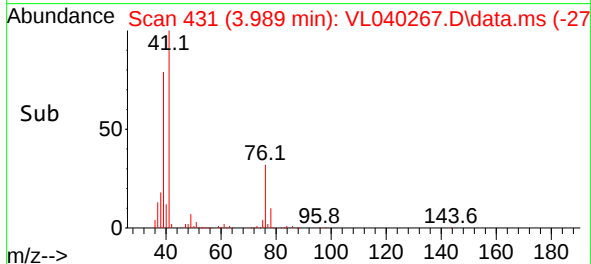
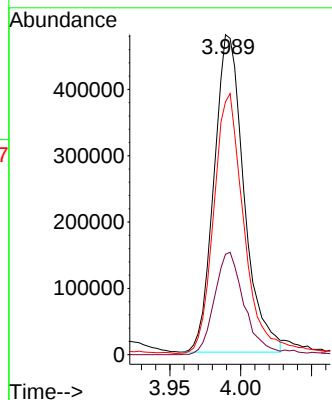
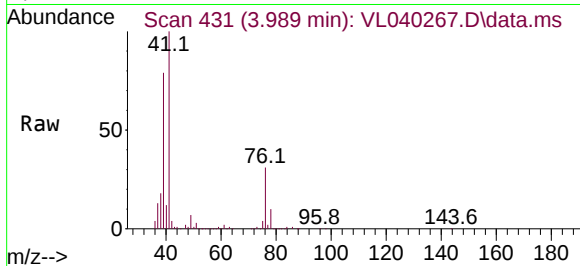




#21
 Allyl Chloride
 Concen: 10.675 ppbv
 RT: 3.989 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040267.D
 Acq: 13 Mar 2023 16:20

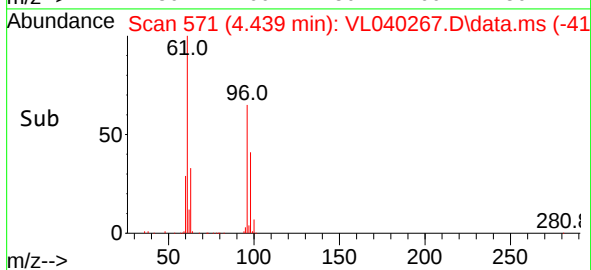
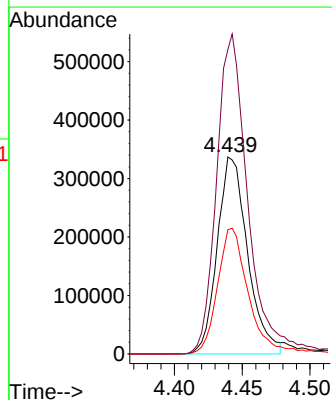
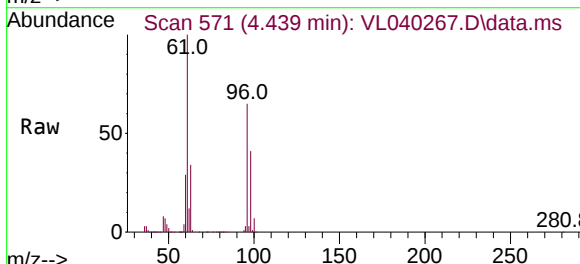
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS01

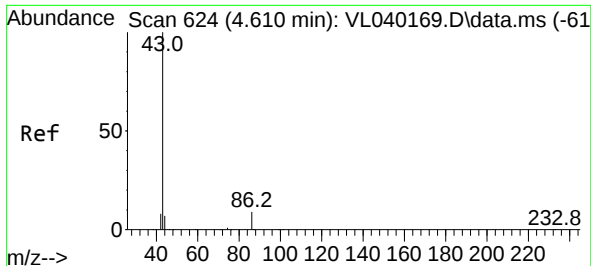
Tgt Ion: 41 Resp: 705154
 Ion Ratio Lower Upper
 41 100
 76 33.1 25.5 38.3
 39 84.0 64.5 96.7



#22
 trans-1,2-Dichloroethene
 Concen: 10.584 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. 0.003 min
 Lab File: VL040267.D
 Acq: 13 Mar 2023 16:20

Tgt Ion: 96 Resp: 525539
 Ion Ratio Lower Upper
 96 100
 61 154.5 137.5 206.3
 98 63.0 52.8 79.2



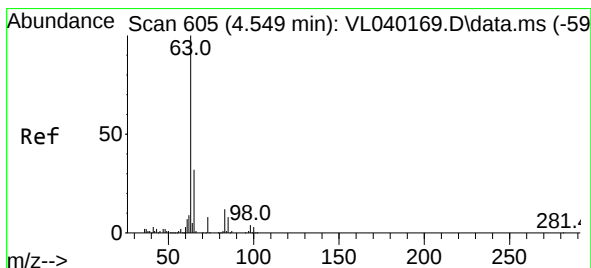
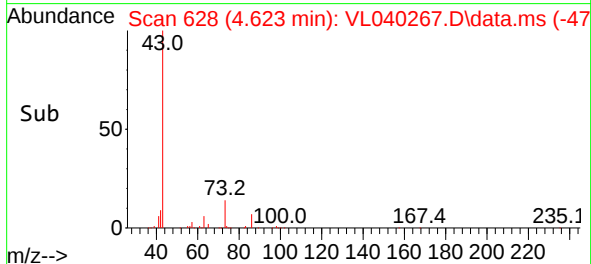
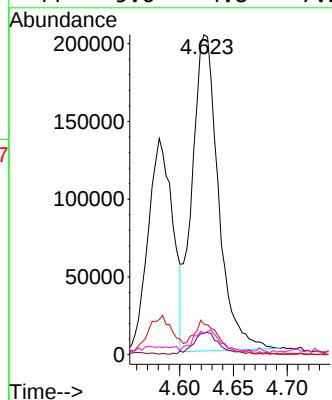
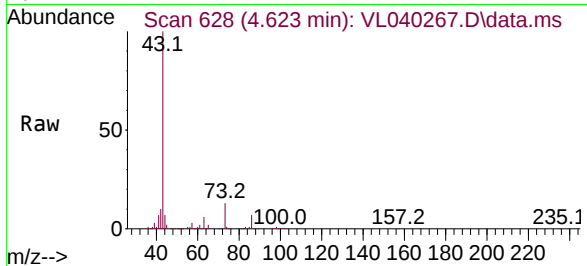


#23
 Vinyl Acetate
 Concen: 10.537 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL040267.D
 Acq: 13 Mar 2023 16:20

Instrument :
 MSVOA_1
 ClientSampleId :
 VL0313ABS01

Tgt Ion: 43 Resp: 344410

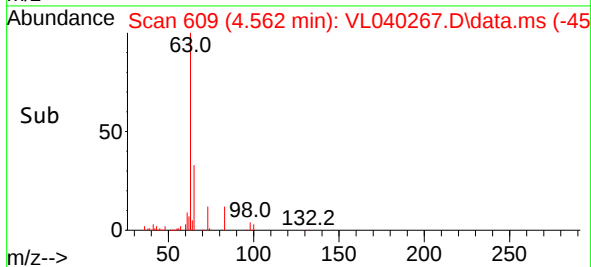
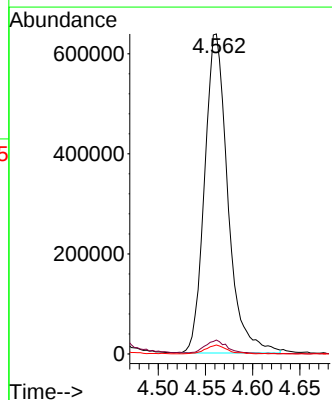
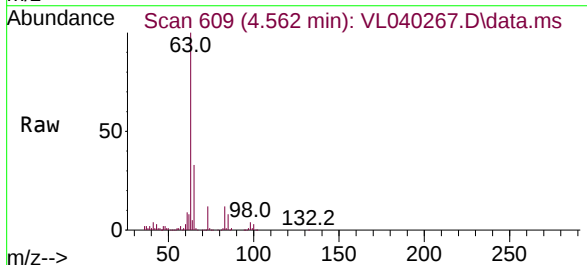
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.6	8.4
42	9.4	7.6	11.4
44	5.6	4.8	7.2

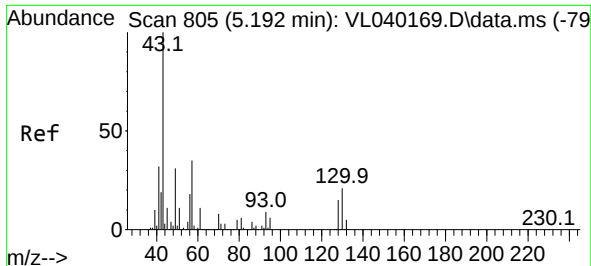


#24
 1,1-Dichloroethane
 Concen: 10.695 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. 0.006 min
 Lab File: VL040267.D
 Acq: 13 Mar 2023 16:20

Tgt Ion: 63 Resp: 1092716

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.8
100	2.8	1.4	4.0



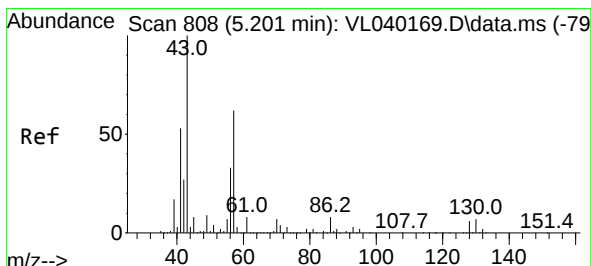
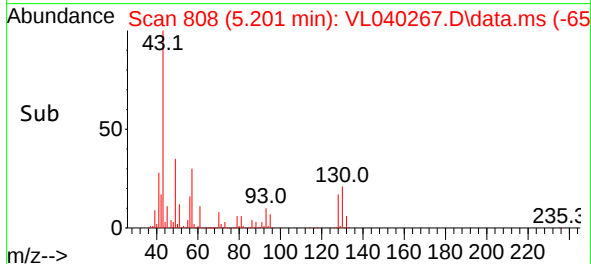
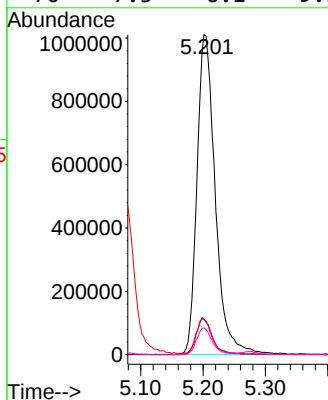
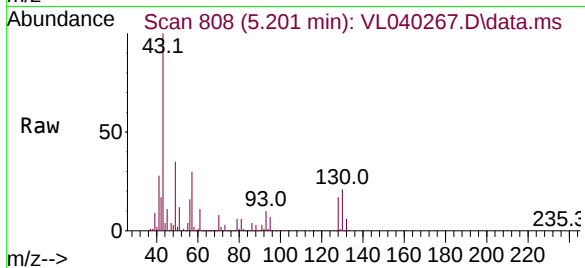


#25
Ethyl Acetate
Concen: 10.268 ppbv
RT: 5.201 min Scan# 805
Delta R.T. 0.003 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Instrument :
MSVOA_1
ClientSampleId :
VL0313ABS01

Tgt Ion: 43 Resp: 2055843

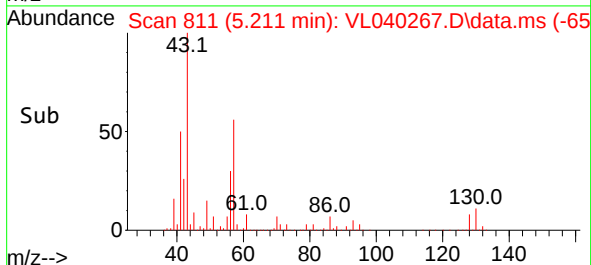
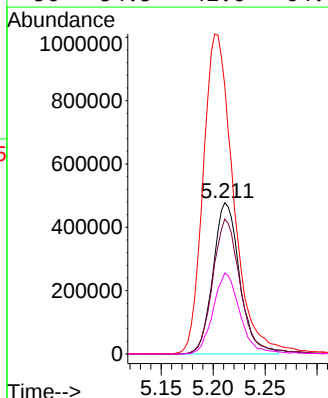
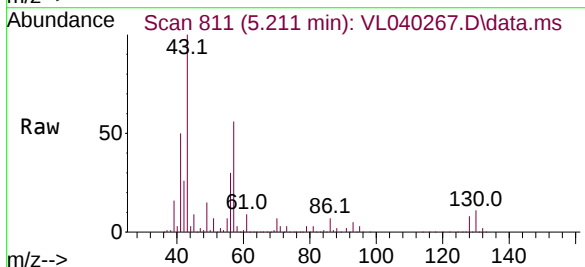
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	10.4	8.4	12.6
70	7.3	6.1	9.1

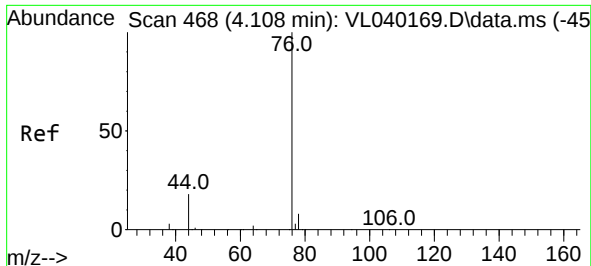


#26
Hexane
Concen: 9.872 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion: 57 Resp: 848461

Ion	Ratio	Lower	Upper
57	100		
41	94.1	74.3	111.5
43	242.9	193.0	289.4
56	54.5	42.6	64.0

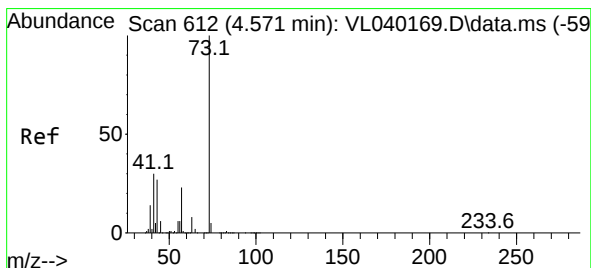
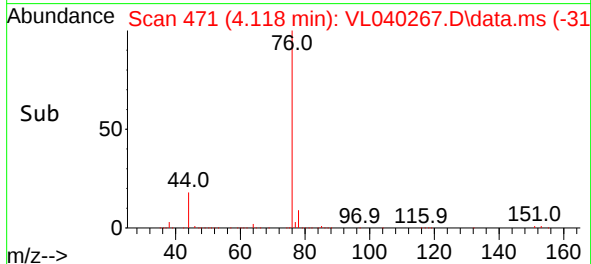
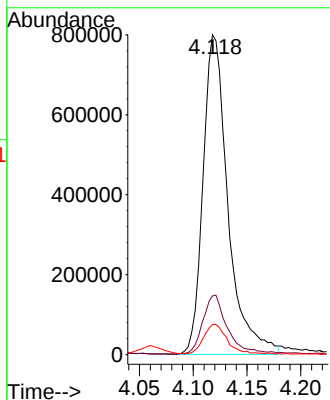
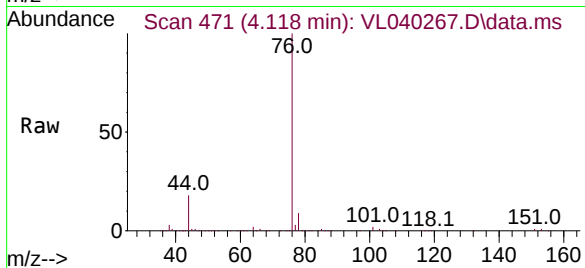




#27
Carbon Disulfide
Concen: 11.809 ppbv
RT: 4.118 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

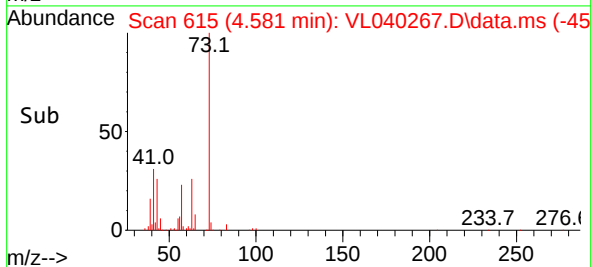
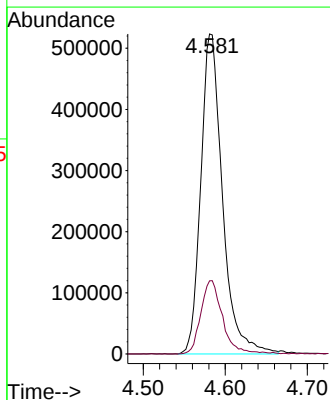
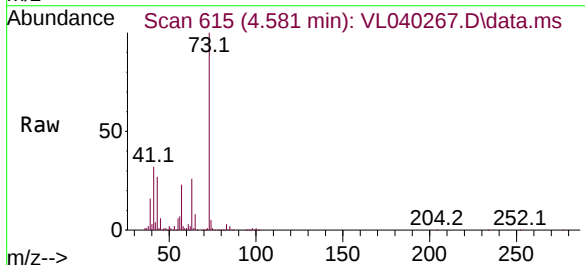
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

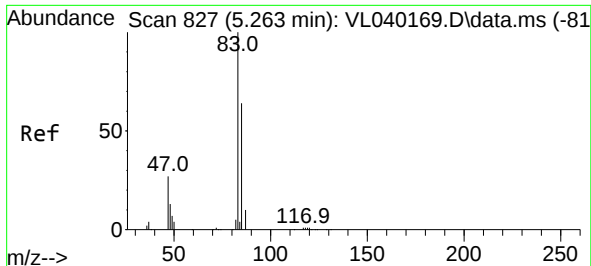
Tgt Ion: 76 Resp: 1287915
Ion Ratio Lower Upper
76 100
44 18.3 15.3 22.9
78 9.7 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 10.441 ppbv
RT: 4.581 min Scan# 615
Delta R.T. 0.003 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion: 73 Resp: 961577
Ion Ratio Lower Upper
73 100
57 23.2 18.8 28.2





#29

Chloroform

Concen: 10.213 ppbv

RT: 5.275 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

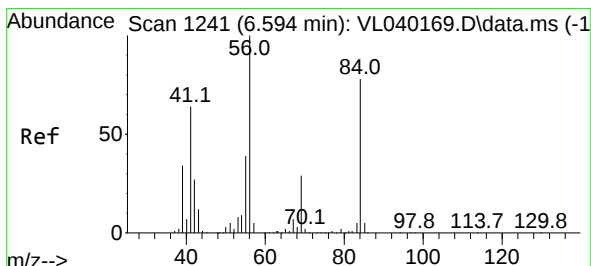
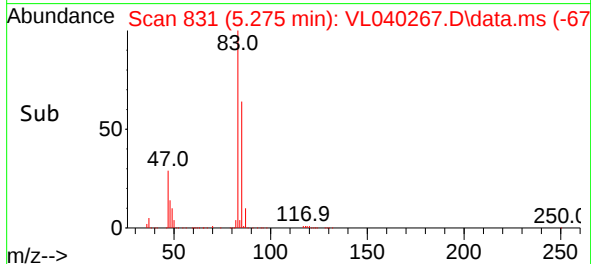
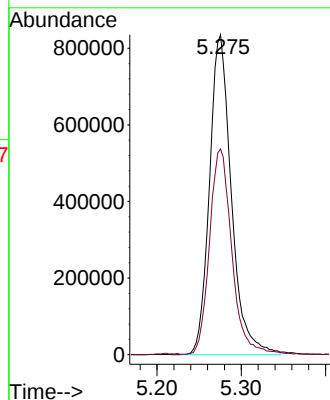
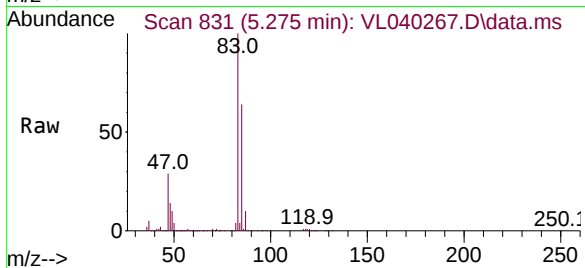
VL0313ABS01

Tgt Ion: 83 Resp: 1507258

Ion Ratio Lower Upper

83 100

85 64.1 51.5 77.3



#30

Cyclohexane

Concen: 10.823 ppbv

RT: 6.606 min Scan# 1245

Delta R.T. 0.003 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

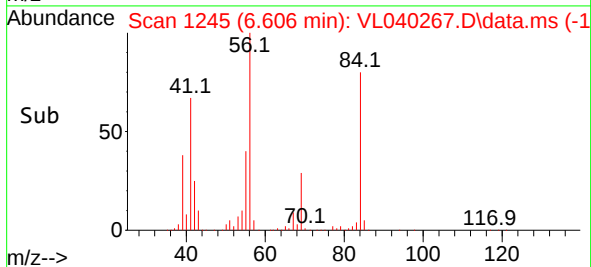
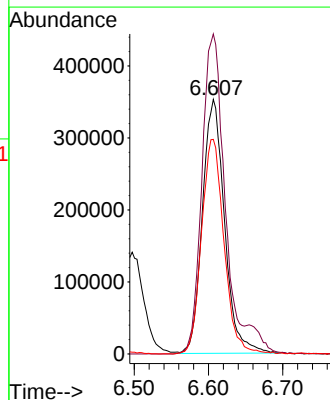
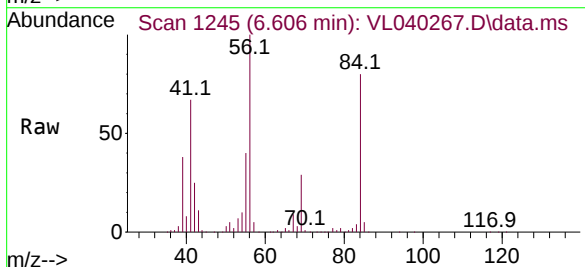
Tgt Ion: 84 Resp: 730473

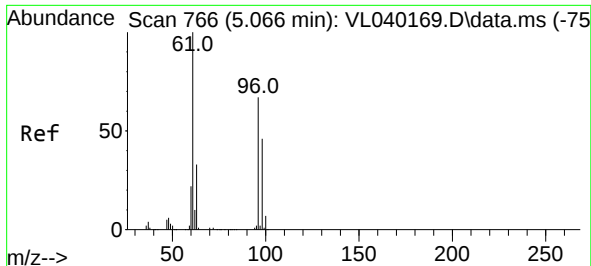
Ion Ratio Lower Upper

84 100

56 135.3 109.9 164.9

41 85.9 67.8 101.6

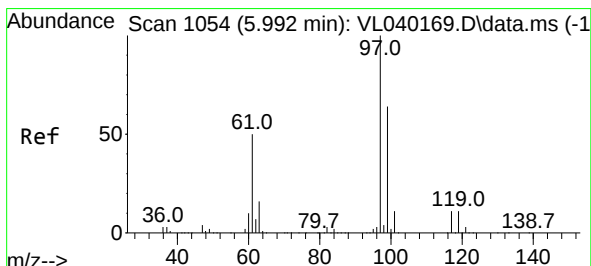
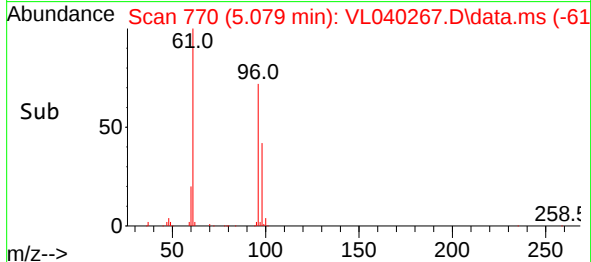
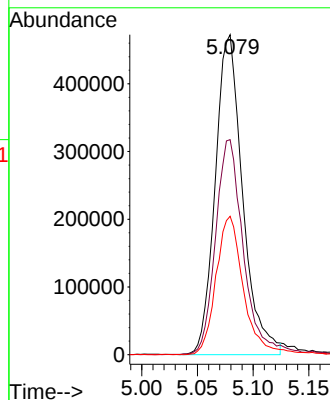
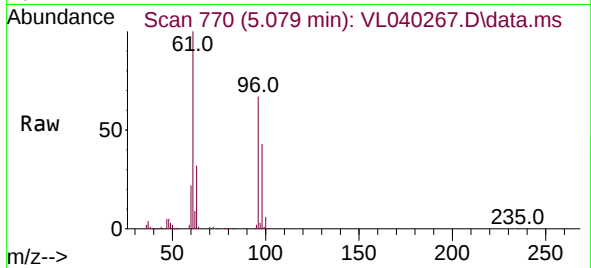




#31
 cis-1,2-Dichloroethene
 Concen: 9.906 ppbv
 RT: 5.079 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VL040267.D
 Acq: 13 Mar 2023 16:20

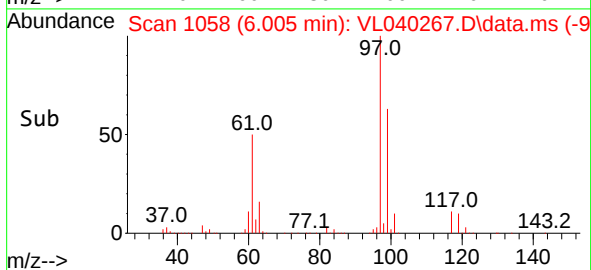
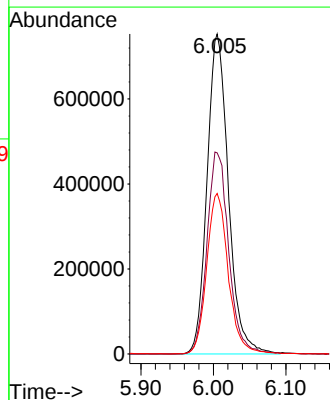
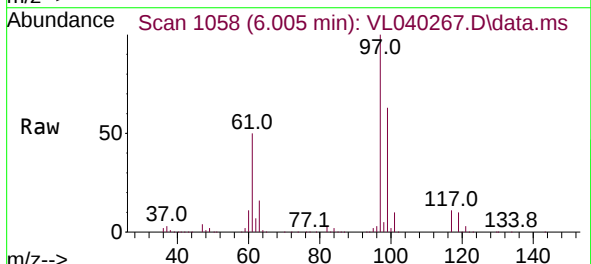
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS01

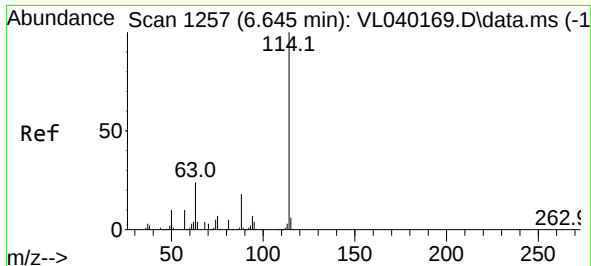
Tgt Ion: 61 Resp: 808956
 Ion Ratio Lower Upper
 61 100
 96 67.1 53.7 80.5
 98 43.2 36.4 54.6



#32
 1,1,1-Trichloroethane
 Concen: 11.113 ppbv
 RT: 6.005 min Scan# 1058
 Delta R.T. 0.006 min
 Lab File: VL040267.D
 Acq: 13 Mar 2023 16:20

Tgt Ion: 97 Resp: 1540950
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.5 77.3
 61 51.0 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS01

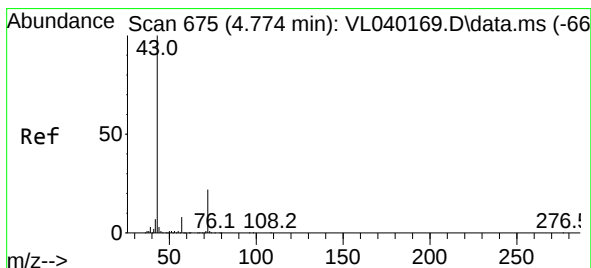
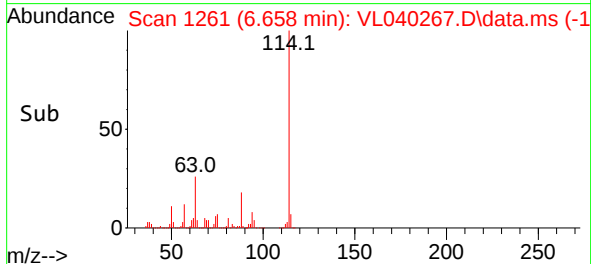
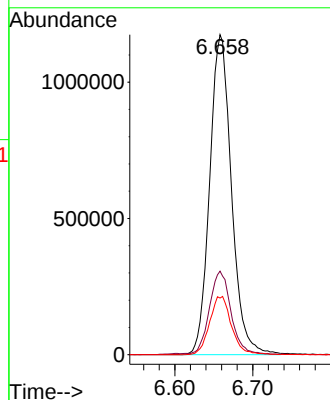
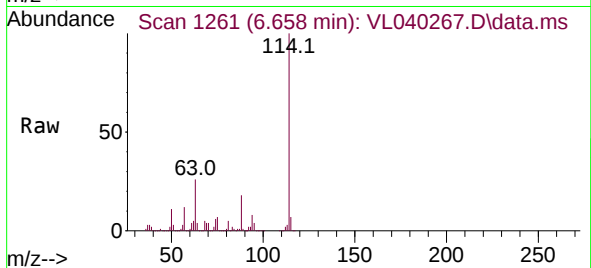
Tgt Ion:114 Resp: 2281413

Ion Ratio Lower Upper

114 100

63 26.4 20.4 30.6

88 18.3 14.3 21.5



#34

2-Butanone

Concen: 10.321 ppbv

RT: 4.783 min Scan# 678

Delta R.T. 0.006 min

Lab File: VL040267.D

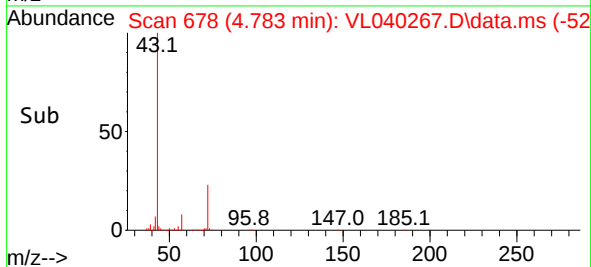
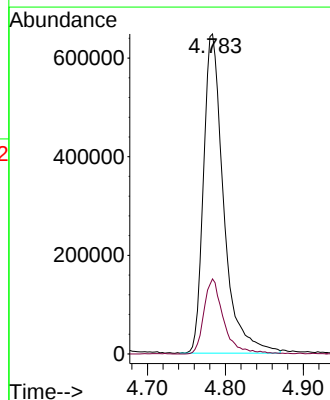
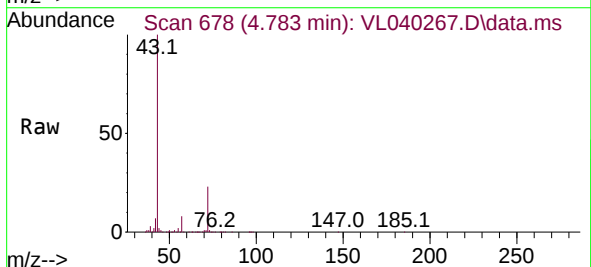
Acq: 13 Mar 2023 16:20

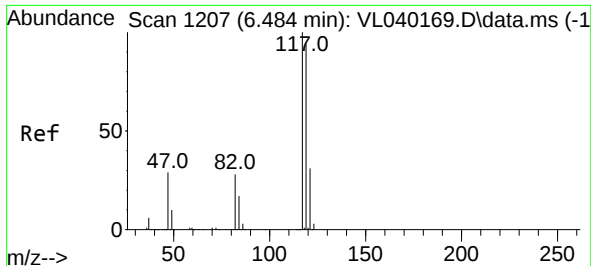
Tgt Ion: 43 Resp: 1161506

Ion Ratio Lower Upper

43 100

72 23.0 17.8 26.8

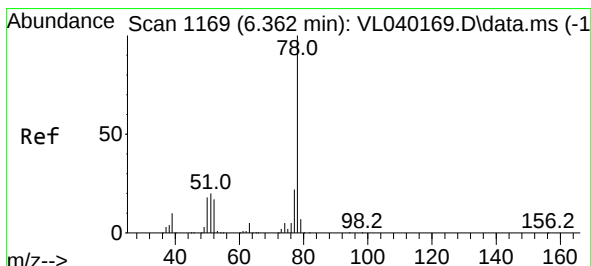
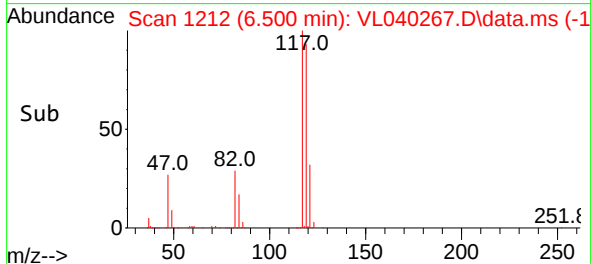
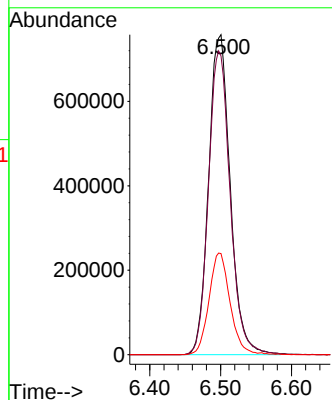
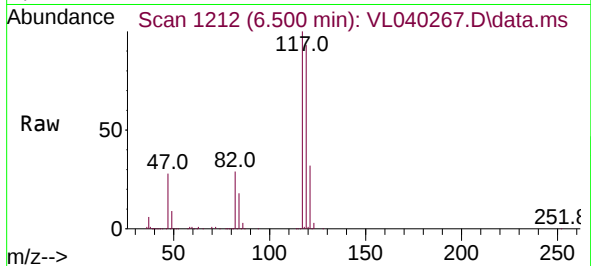




#35
Carbon Tetrachloride
Concen: 11.915 ppbv
RT: 6.500 min Scan# 1173
Delta R.T. 0.010 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

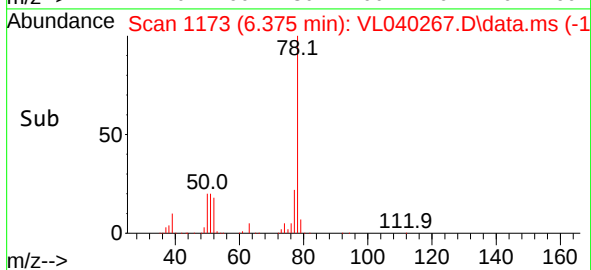
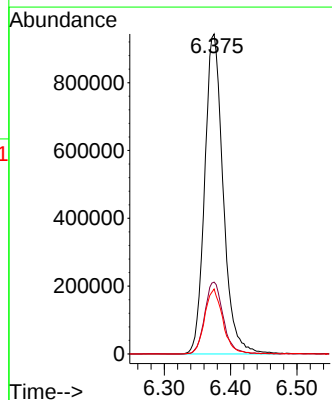
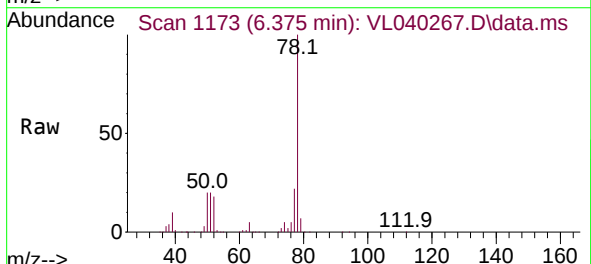
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

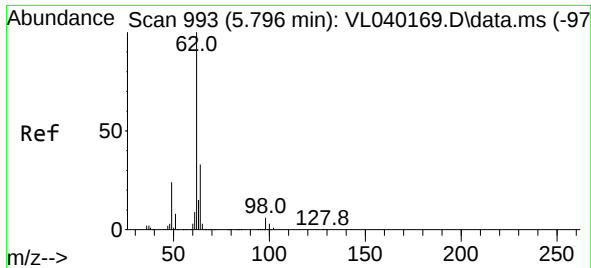
Tgt Ion:117 Resp: 1607045
Ion Ratio Lower Upper
117 100
119 93.3 75.0 112.6
121 31.6 25.0 37.4



#36
Benzene
Concen: 10.295 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion: 78 Resp: 1827831
Ion Ratio Lower Upper
78 100
77 22.4 17.5 26.3
50 20.3 14.6 22.0

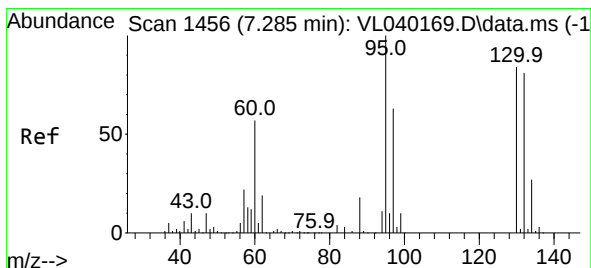
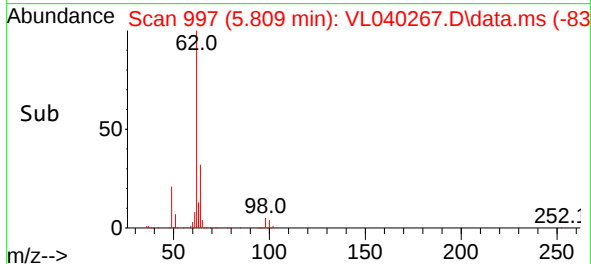
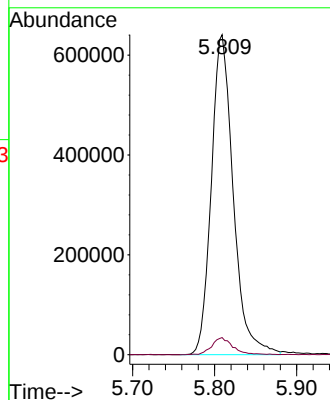
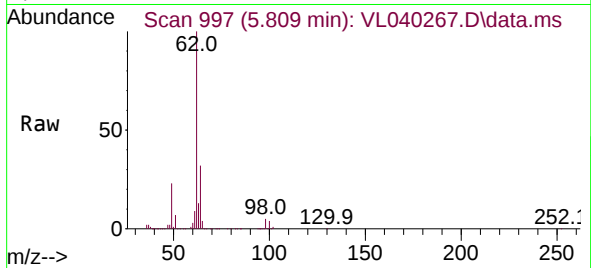




#37
1,2-Dichloroethane
Concen: 10.714 ppbv
RT: 5.809 min Scan# 993
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

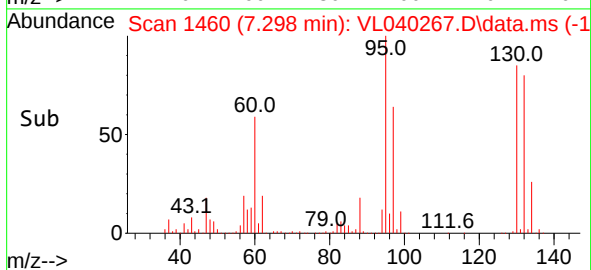
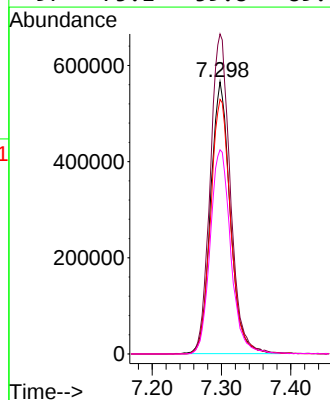
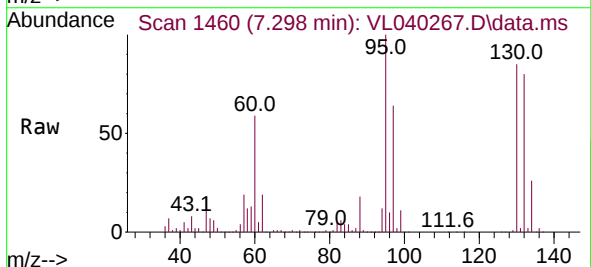
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

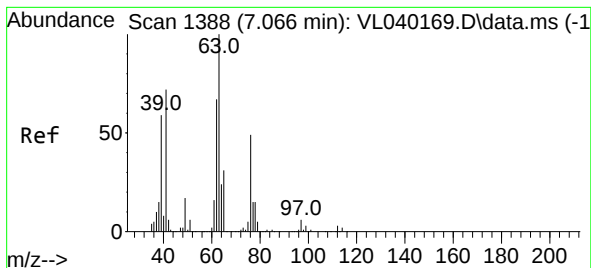
Tgt Ion: 62 Resp: 1189725
Ion Ratio Lower Upper
62 100
98 5.2 4.7 7.1



#38
Trichloroethene
Concen: 11.333 ppbv
RT: 7.298 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion:130 Resp: 1108757
Ion Ratio Lower Upper
130 100
95 117.7 94.7 142.1
132 93.6 76.4 114.6
97 75.1 59.8 89.6





#39

1,2-Dichloropropane

Concen: 10.316 ppbv

RT: 7.079 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS01

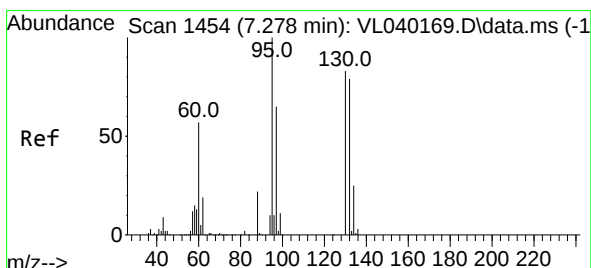
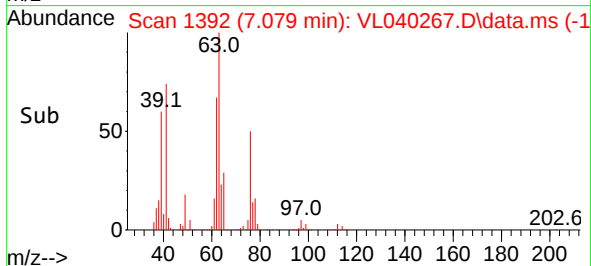
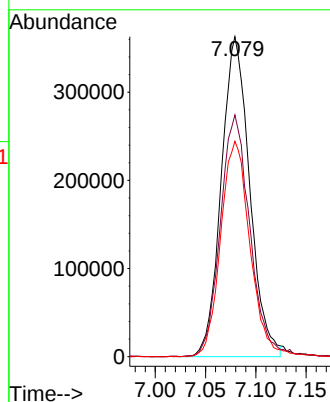
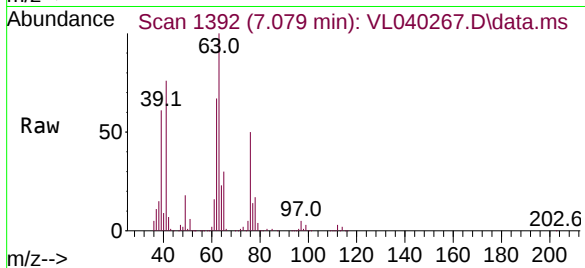
Tgt Ion: 63 Resp: 712462

Ion Ratio Lower Upper

63 100

41 75.4 57.6 86.4

62 67.3 54.0 81.0



#40

1,4-Dioxane

Concen: 9.426 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Tgt Ion: 88 Resp: 260416

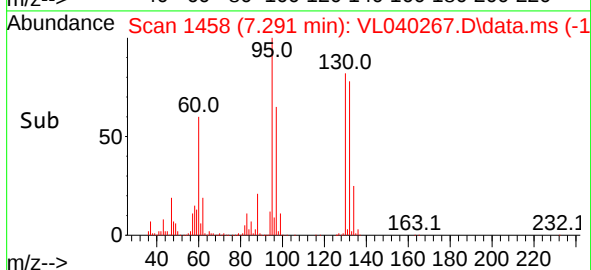
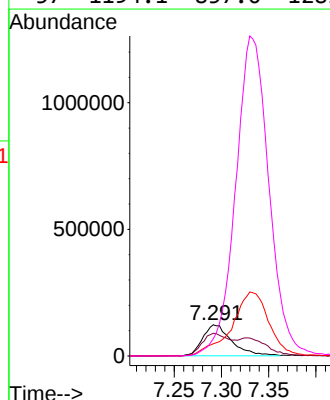
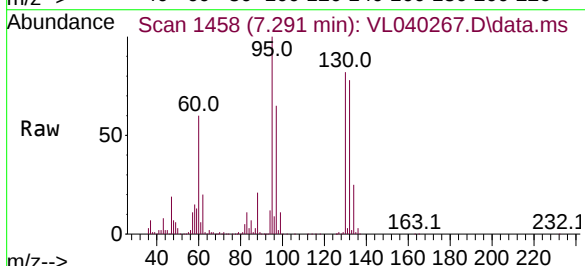
Ion Ratio Lower Upper

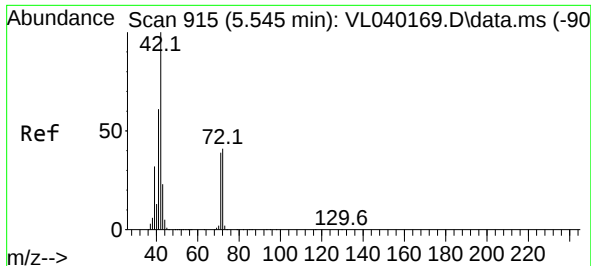
88 100

58 129.6 97.4 146.0

43 266.4 193.5 290.3

57 1194.1 857.0 1285.6





#41

Tetrahydrofuran

Concen: 10.337 ppbv

RT: 5.555 min Scan# 915

Delta R.T. 0.003 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS01

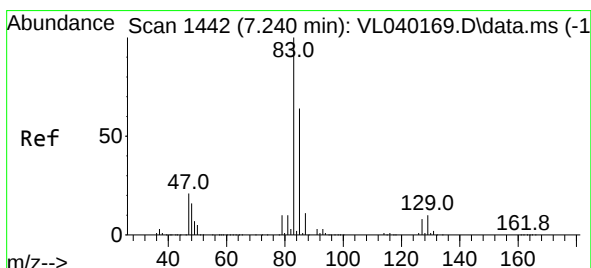
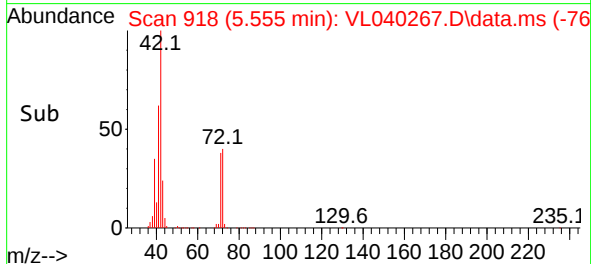
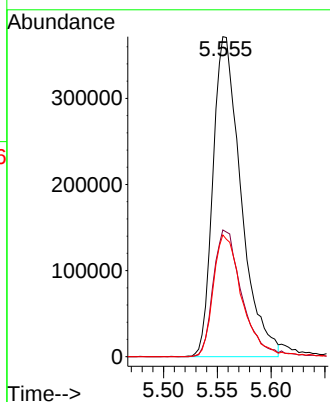
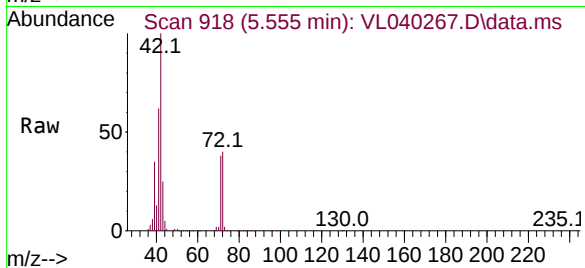
Tgt Ion: 42 Resp: 674170

Ion Ratio Lower Upper

42 100

72 40.9 33.0 49.4

71 39.7 31.4 47.2



#42

Bromodichloromethane

Concen: 11.098 ppbv

RT: 7.256 min Scan# 1447

Delta R.T. 0.003 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

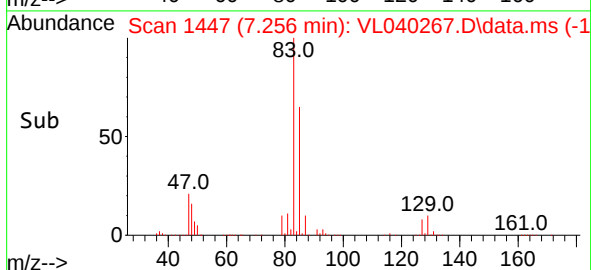
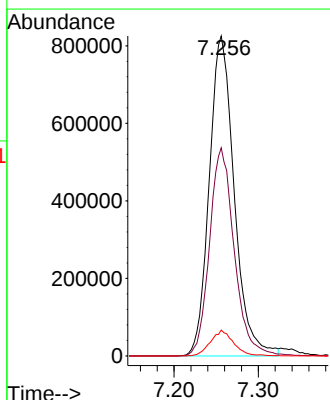
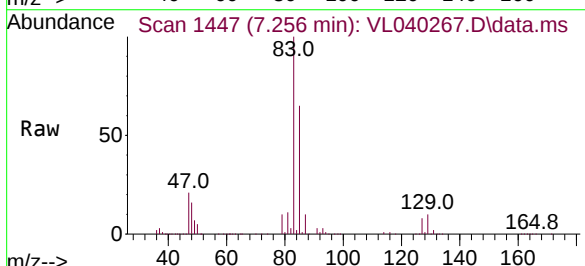
Tgt Ion: 83 Resp: 1700868

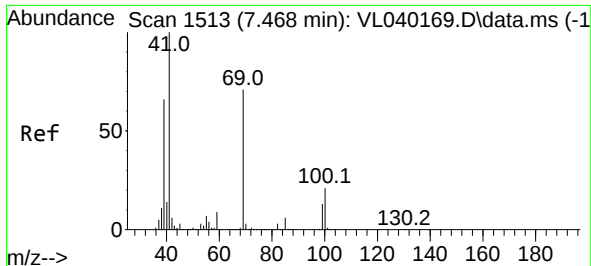
Ion Ratio Lower Upper

83 100

85 65.1 50.9 76.3

127 8.1 6.2 9.2

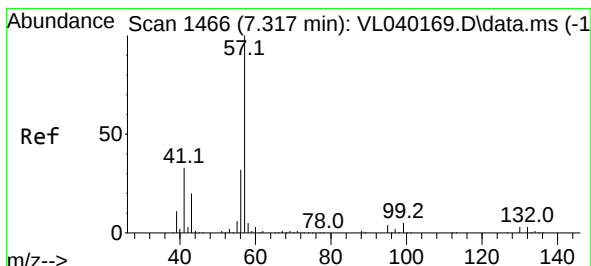
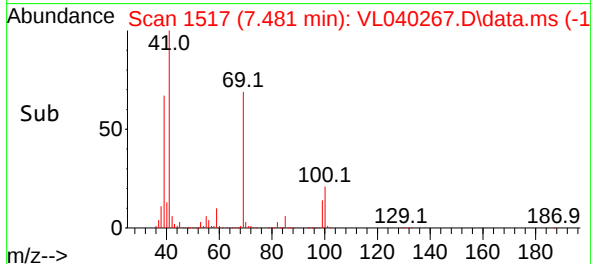
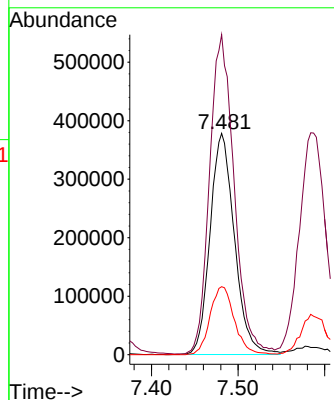
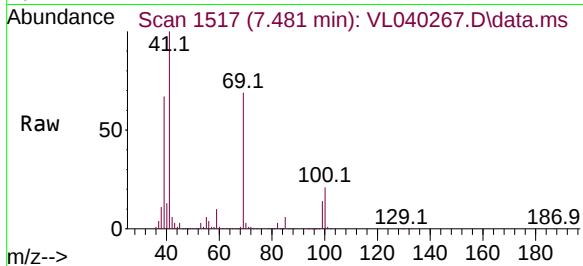




#43
Methyl Methacrylate
Concen: 11.284 ppbv
RT: 7.481 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

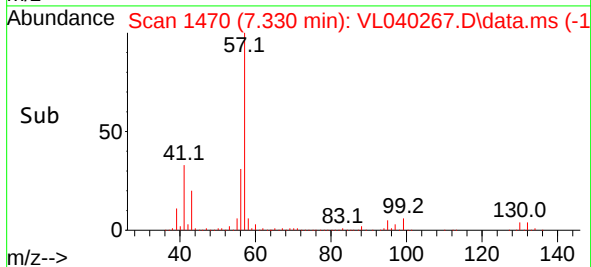
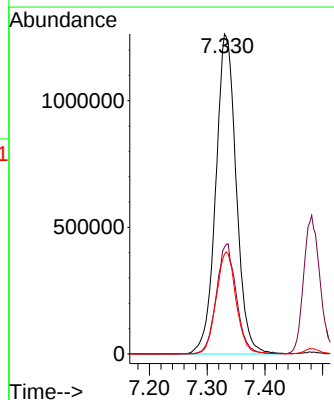
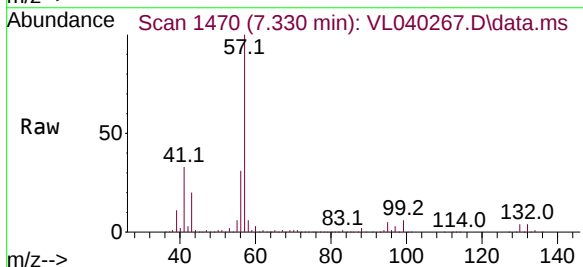
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

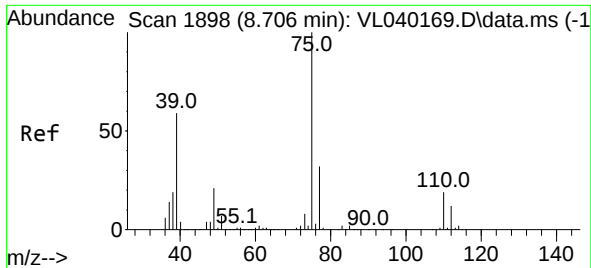
Tgt Ion: 69 Resp: 741295
Ion Ratio Lower Upper
69 100
41 145.6 116.6 174.8
100 30.7 25.6 38.4



#44
2,2,4-Trimethylpentane
Concen: 10.486 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. 0.003 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion: 57 Resp: 3107797
Ion Ratio Lower Upper
57 100
41 33.7 26.2 39.4
56 31.1 24.9 37.3

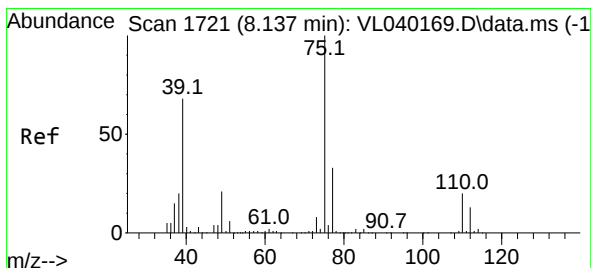
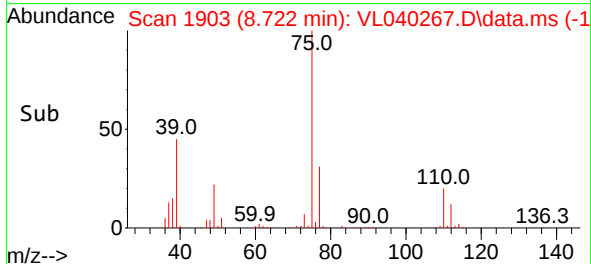
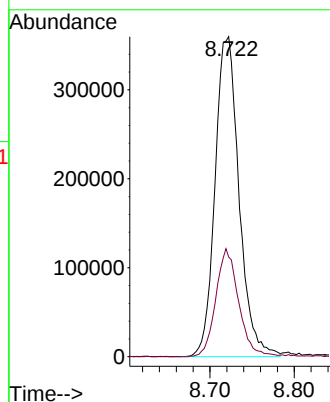
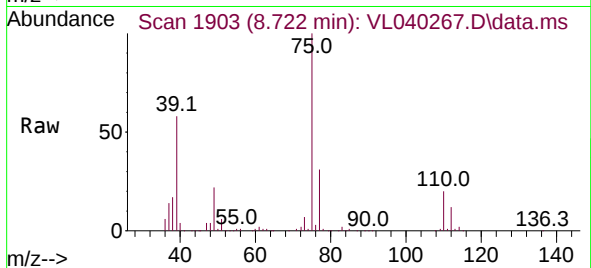




#45
 t-1,3-Dichloropropene
 Concen: 12.203 ppbv
 RT: 8.722 min Scan# 1903
 Delta R.T. 0.010 min
 Lab File: VL040267.D
 Acq: 13 Mar 2023 16:20

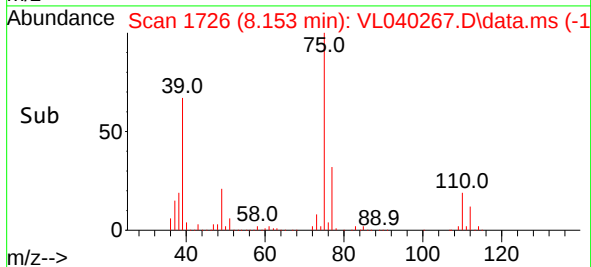
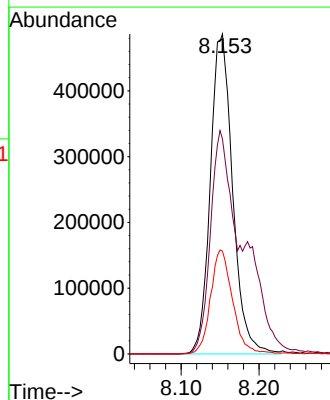
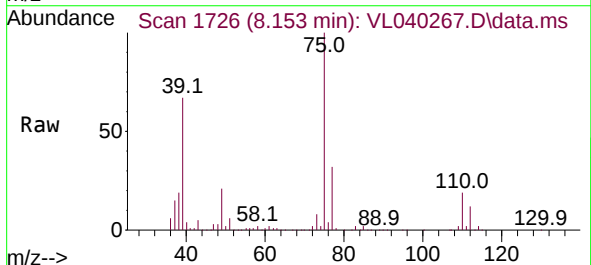
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS01

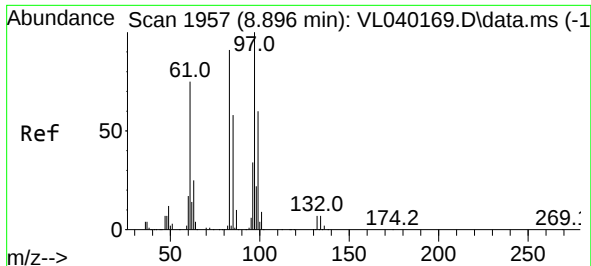
Tgt Ion: 75 Resp: 711132
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.7 38.5



#46
 cis-1,3-Dichloropropene
 Concen: 11.935 ppbv
 RT: 8.153 min Scan# 1726
 Delta R.T. 0.010 min
 Lab File: VL040267.D
 Acq: 13 Mar 2023 16:20

Tgt Ion: 75 Resp: 968927
 Ion Ratio Lower Upper
 75 100
 39 67.1 54.2 81.2
 77 32.1 26.0 39.0



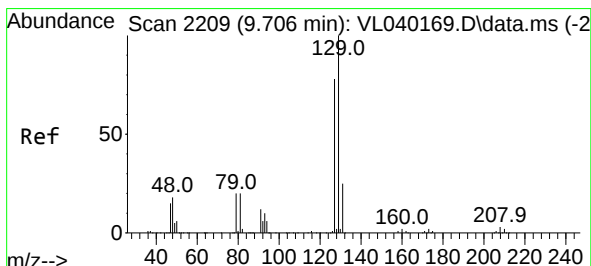
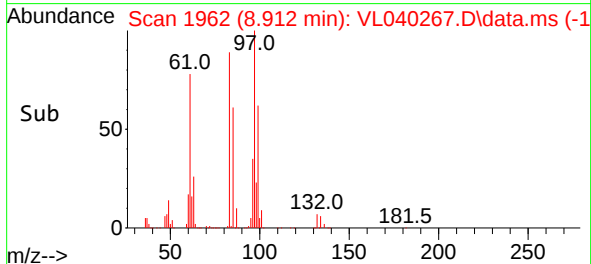
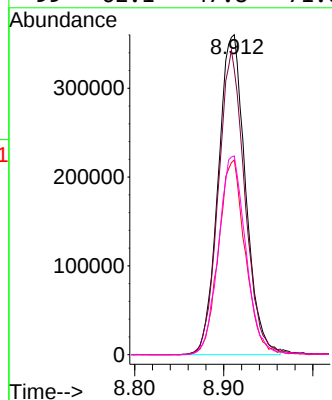
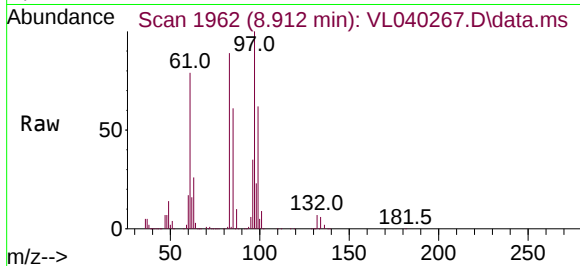


#47
1,1,2-Trichloroethane
Concen: 10.257 ppbv
RT: 8.912 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Instrument :
MSVOA_1
ClientSampleId :
VL0313ABS01

Tgt Ion: 97 Resp: 766199

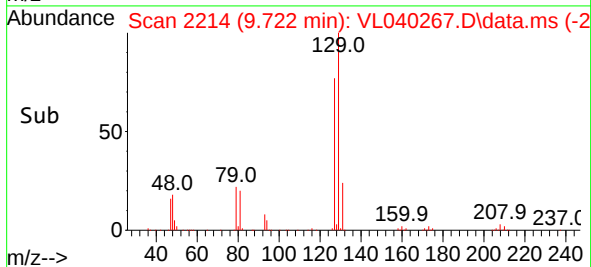
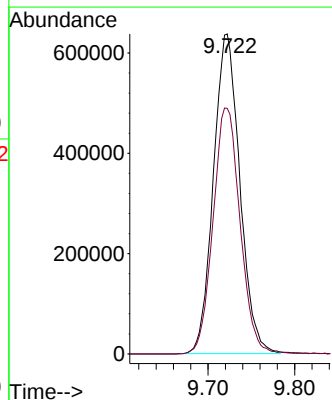
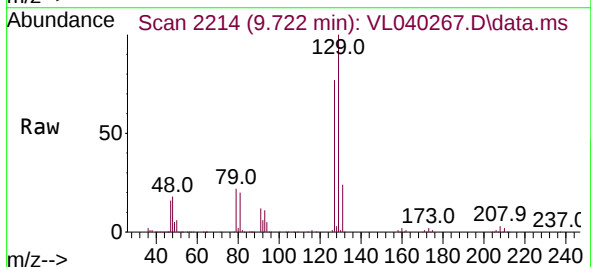
Ion	Ratio	Lower	Upper
97	100		
83	89.1	72.8	109.2
85	60.8	46.6	69.8
99	62.1	47.8	71.6

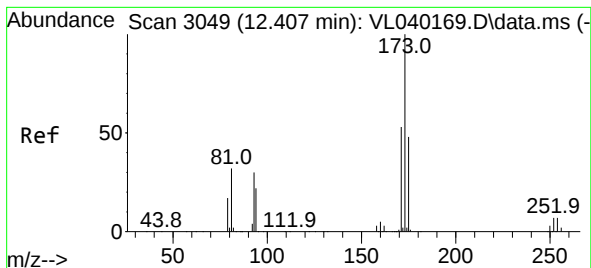


#48
Dibromochloromethane
Concen: 11.303 ppbv
RT: 9.722 min Scan# 2214
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion: 129 Resp: 1350491

Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.1	117.2





#49

Bromoform

Concen: 11.480 ppbv

RT: 12.420 min Scan# 3049

Delta R.T. 0.003 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Instrument :

MSVOA_1

ClientSampleId :

VL0313ABS01

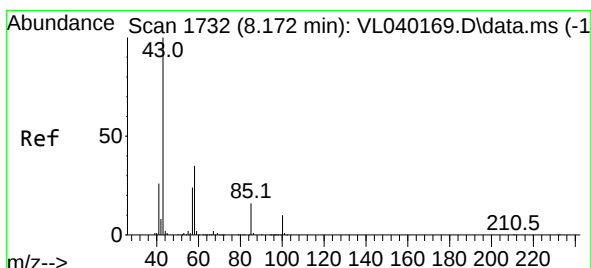
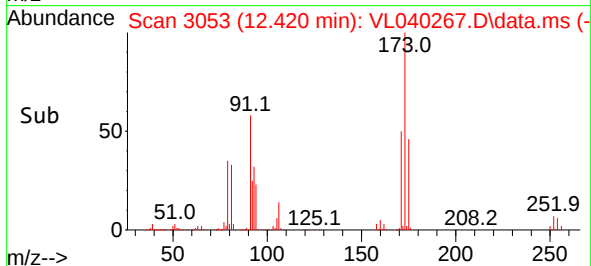
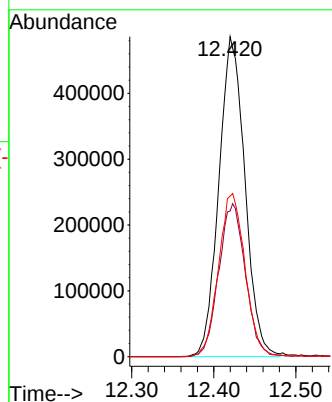
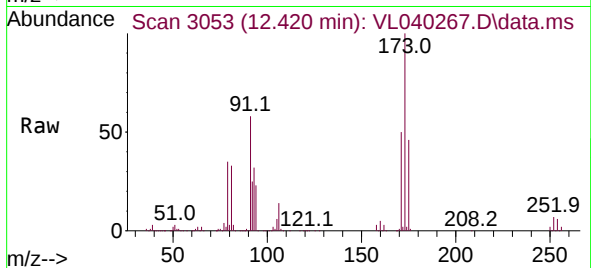
Tgt Ion:173 Resp: 1070609

Ion Ratio Lower Upper

173 100

175 49.1 39.4 59.0

171 52.2 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 11.207 ppbv

RT: 8.188 min Scan# 1737

Delta R.T. 0.006 min

Lab File: VL040267.D

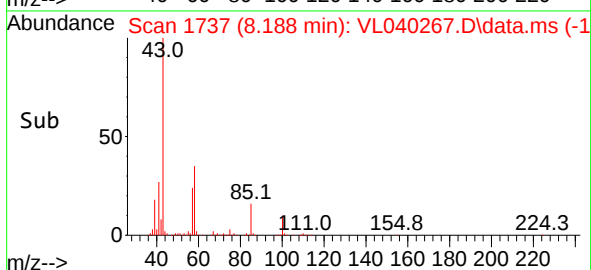
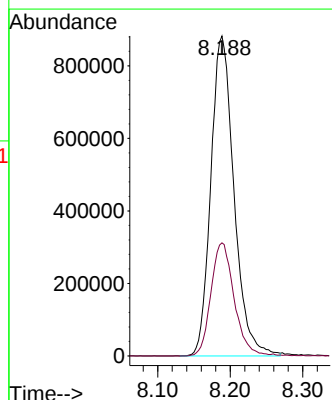
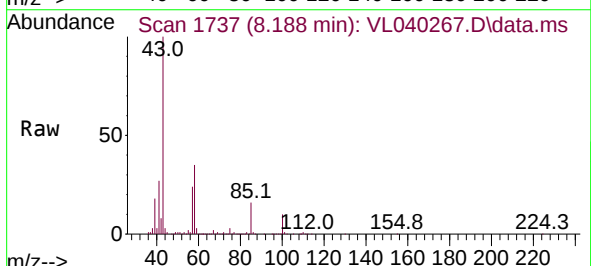
Acq: 13 Mar 2023 16:20

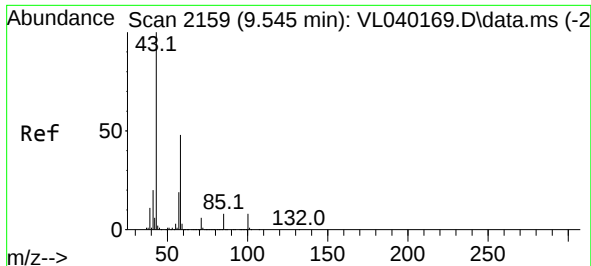
Tgt Ion: 43 Resp: 1958404

Ion Ratio Lower Upper

43 100

58 35.7 29.2 43.8

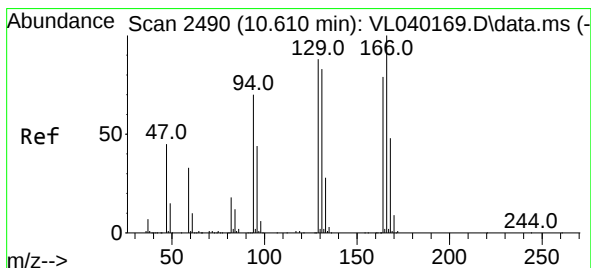
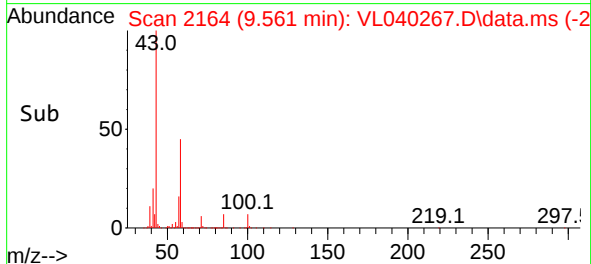
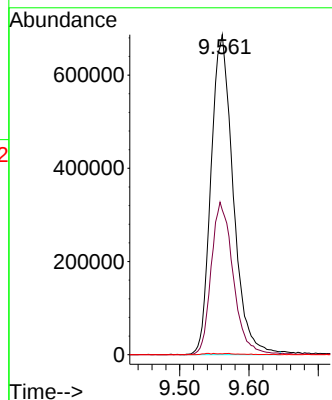
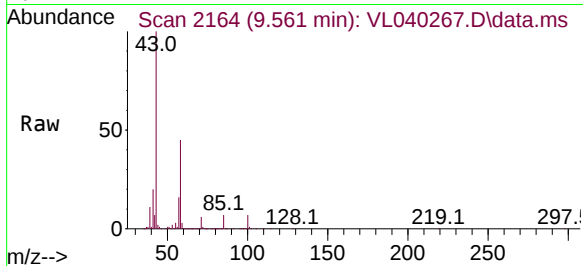




#51
2-Hexanone
Concen: 11.341 ppbv
RT: 9.561 min Scan# 2159
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

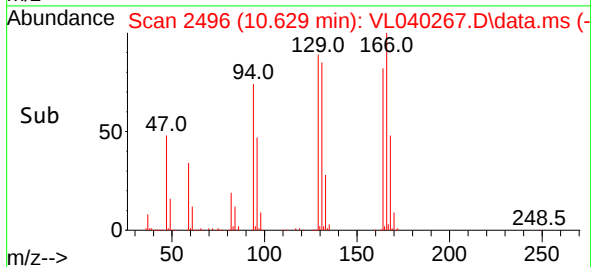
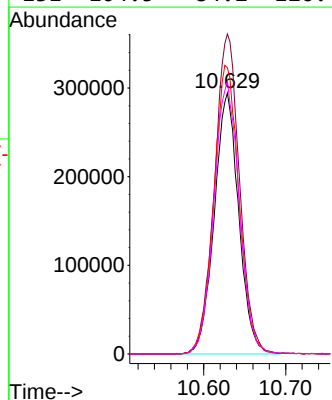
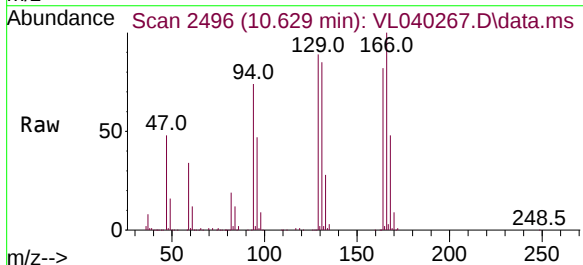
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

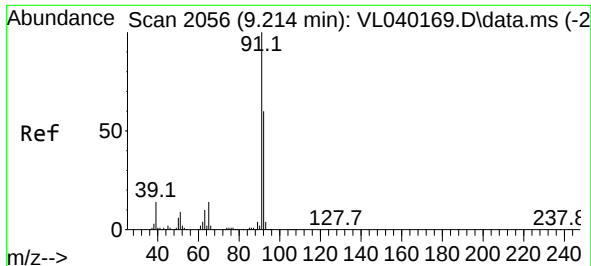
Tgt Ion: 43 Resp: 1524032
Ion Ratio Lower Upper
43 100
58 47.6 39.1 58.7
98 0.6 0.2 0.4#



#52
Tetrachloroethene
Concen: 11.001 ppbv
RT: 10.629 min Scan# 2496
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion: 164 Resp: 609907
Ion Ratio Lower Upper
164 100
166 122.6 101.5 152.3
129 109.6 89.0 133.4
131 104.5 84.2 126.4

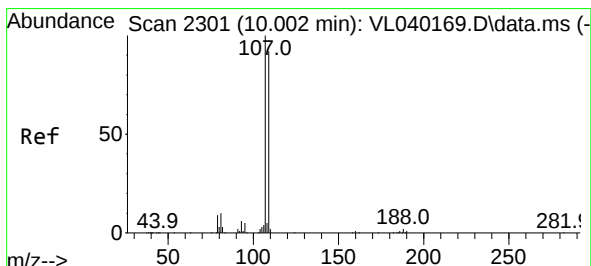
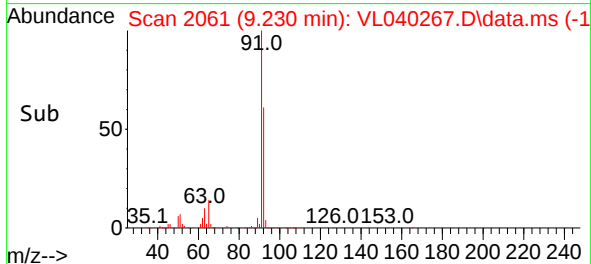
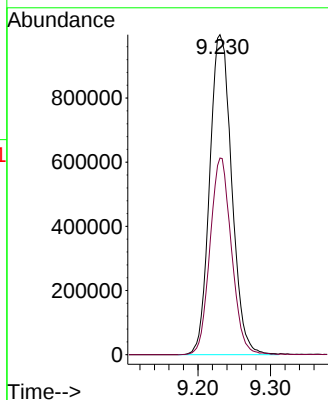
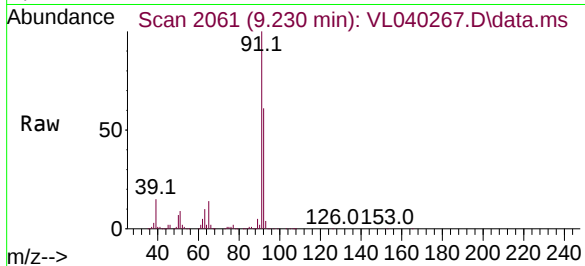




#53
Toluene
Concen: 11.080 ppbv
RT: 9.230 min Scan# 2056
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

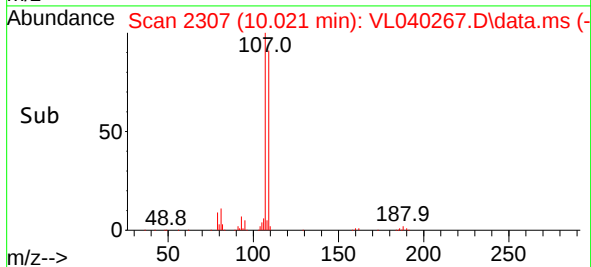
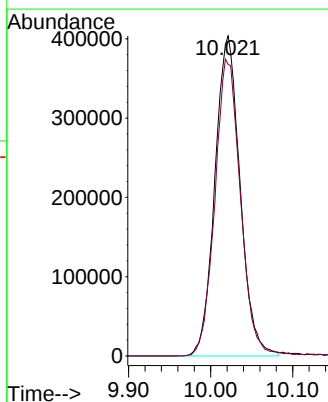
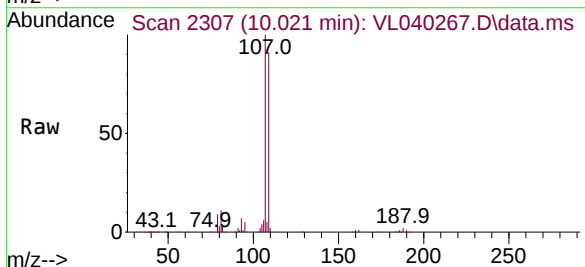
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

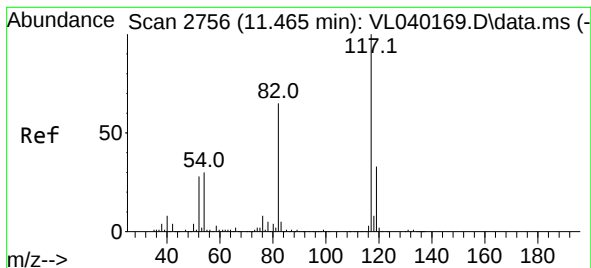
Tgt Ion: 91 Resp: 2106960
Ion Ratio Lower Upper
91 100
92 59.9 48.9 73.3



#54
1,2-Dibromoethane
Concen: 11.069 ppbv
RT: 10.021 min Scan# 2307
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion: 107 Resp: 860329
Ion Ratio Lower Upper
107 100
109 91.2 73.8 110.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.478 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS01

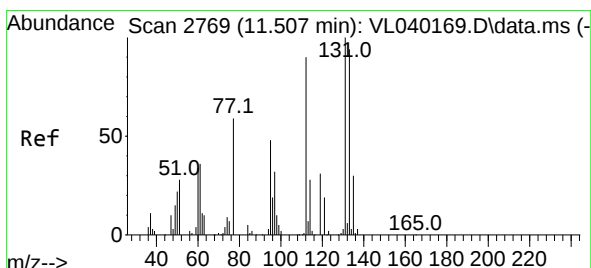
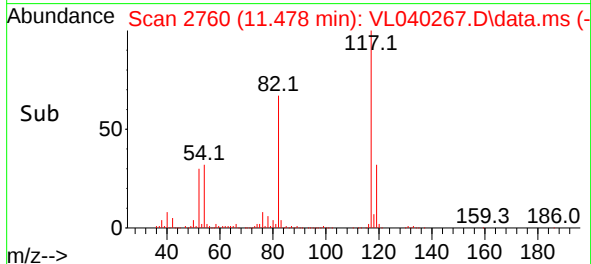
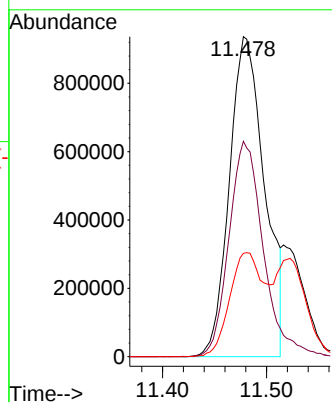
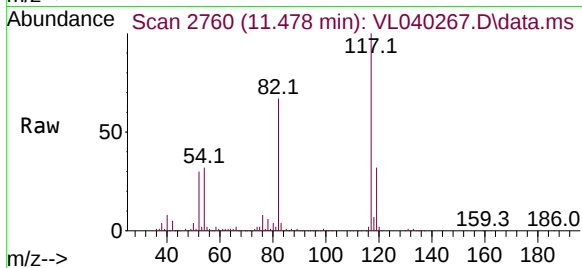
Tgt Ion:117 Resp: 2199488

Ion Ratio Lower Upper

117 100

82 66.6 53.3 79.9

119 30.0 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 10.657 ppbv

RT: 11.523 min Scan# 2774

Delta R.T. 0.006 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

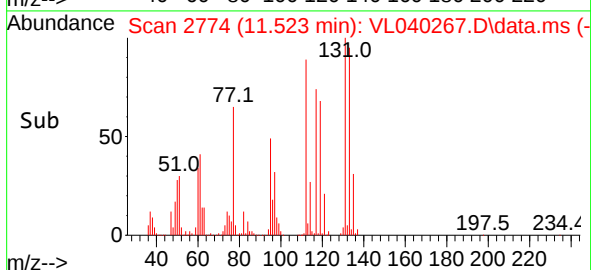
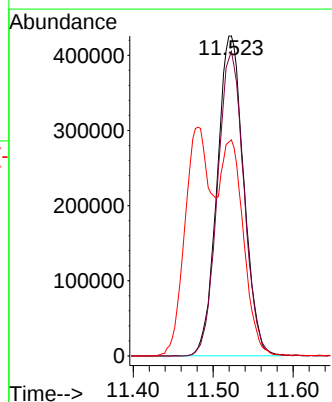
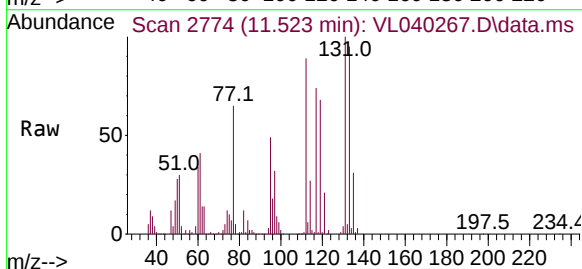
Tgt Ion:131 Resp: 983918

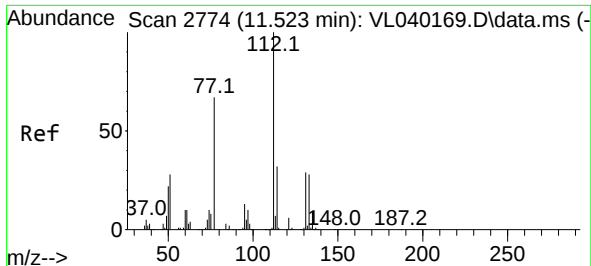
Ion Ratio Lower Upper

131 100

133 94.6 76.2 114.2

119 64.1 45.4 68.0

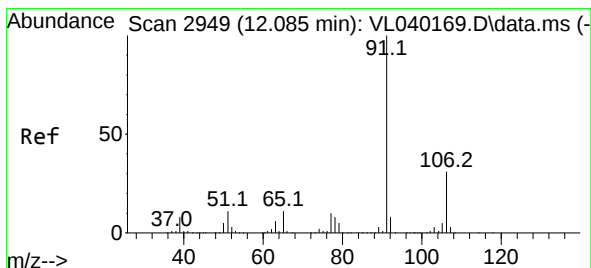
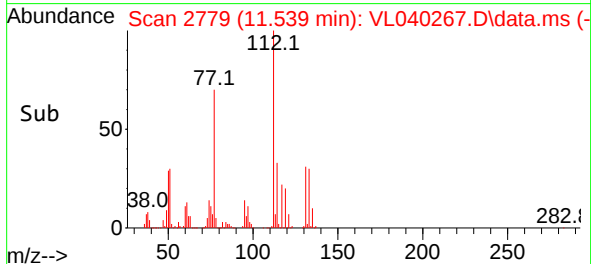
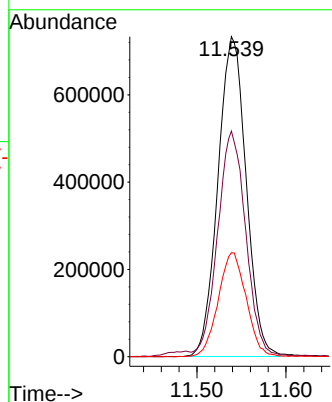
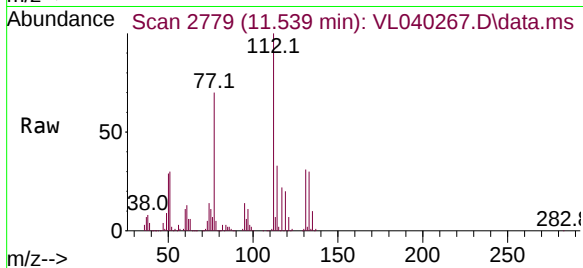




#57
Chlorobenzene
Concen: 10.045 ppbv
RT: 11.539 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

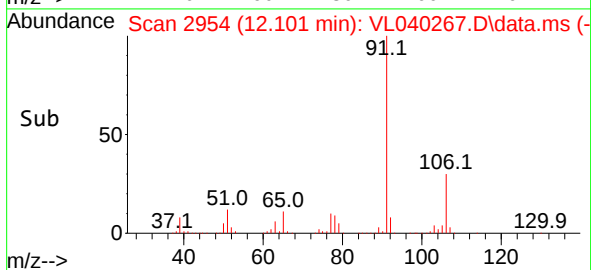
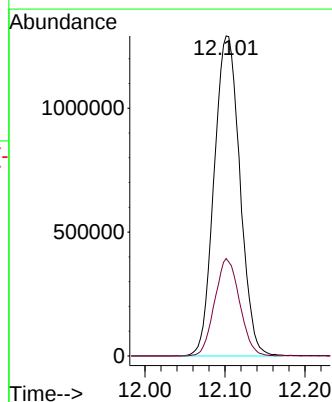
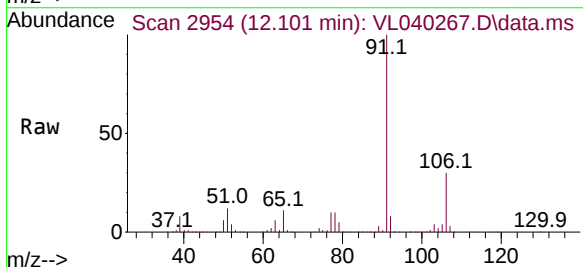
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

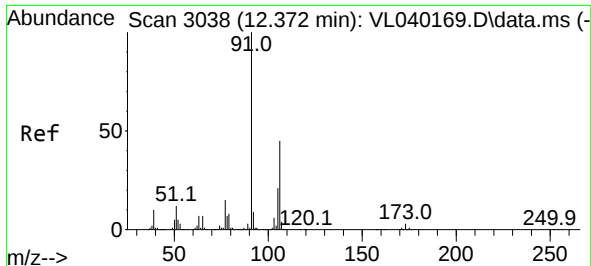
Tgt Ion:112 Resp: 1614200
Ion Ratio Lower Upper
112 100
77 69.9 55.0 82.4
114 32.4 29.0 35.4



#58
Ethyl Benzene
Concen: 10.813 ppbv
RT: 12.101 min Scan# 2954
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion: 91 Resp: 2889769
Ion Ratio Lower Upper
91 100
106 30.5 24.9 37.3





#59

m/p-Xylene

Concen: 12.519 ppbv

RT: 12.384 min Scan# 3038

Delta R.T. 0.003 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Instrument :

MSVOA_1

ClientSampleId :

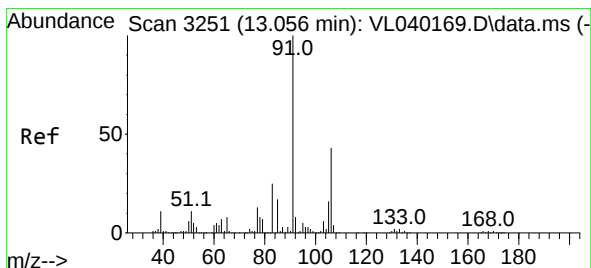
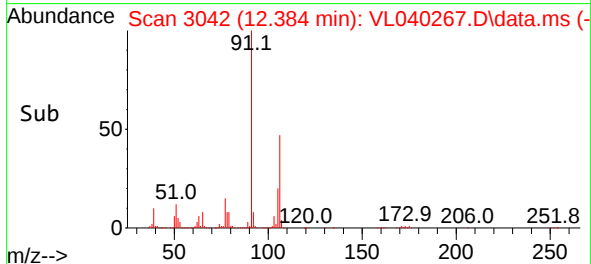
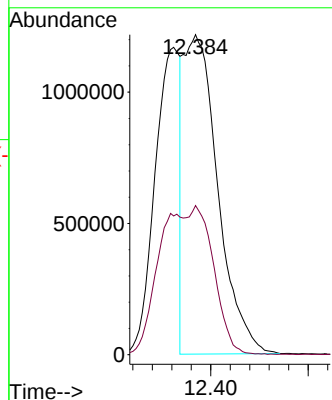
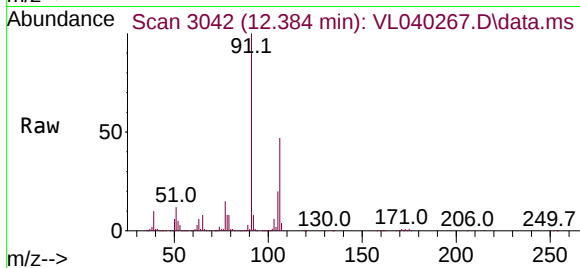
VL0313ABS01

Tgt Ion: 91 Resp: 2963228

Ion Ratio Lower Upper

91 100

106 73.0 34.6 51.8#



#60

o-Xylene

Concen: 10.723 ppbv

RT: 13.072 min Scan# 3256

Delta R.T. 0.006 min

Lab File: VL040267.D

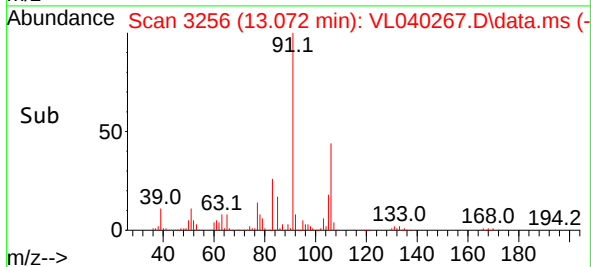
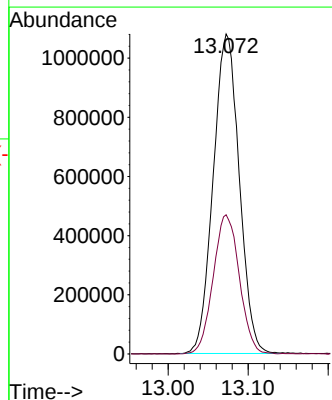
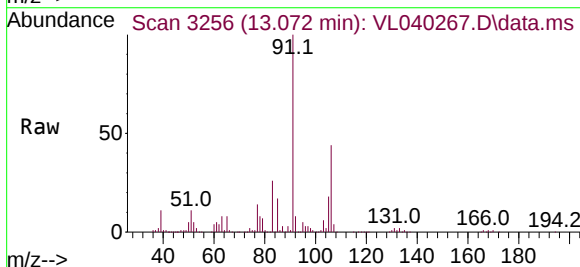
Acq: 13 Mar 2023 16:20

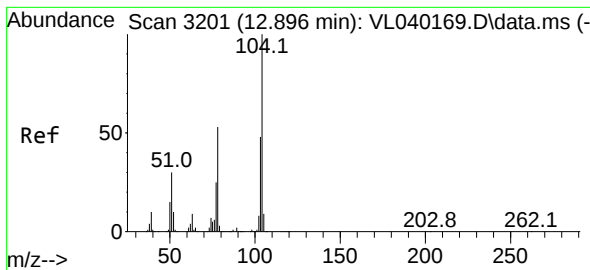
Tgt Ion: 91 Resp: 2442228

Ion Ratio Lower Upper

91 100

106 43.8 21.6 65.0





#61

Styrene

Concen: 11.350 ppbv

RT: 12.912 min Scan# 31

Delta R.T. 0.006 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS01

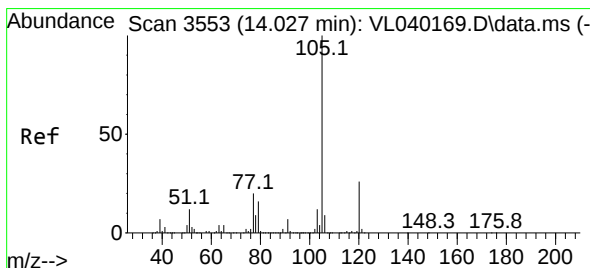
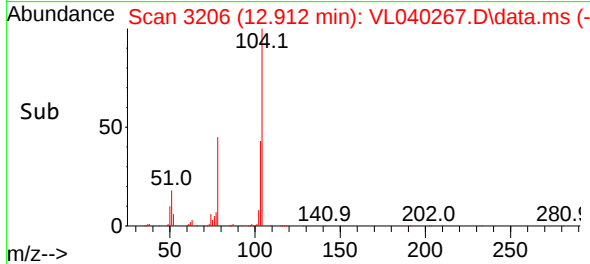
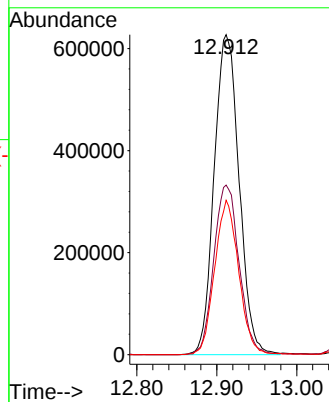
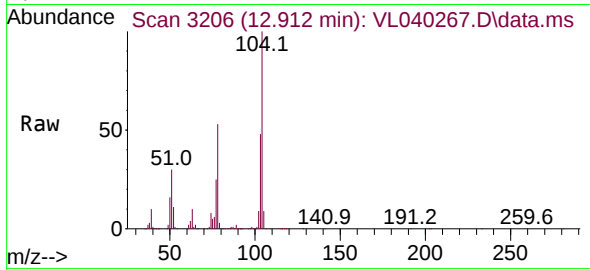
Tgt Ion:104 Resp: 1357115

Ion Ratio Lower Upper

104 100

78 54.0 42.3 63.5

103 46.7 37.5 56.3



#62

Isopropylbenzene

Concen: 10.455 ppbv

RT: 14.044 min Scan# 3558

Delta R.T. 0.003 min

Lab File: VL040267.D

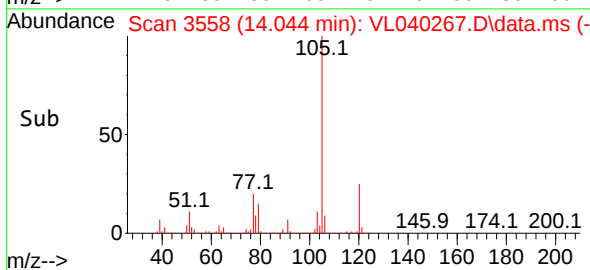
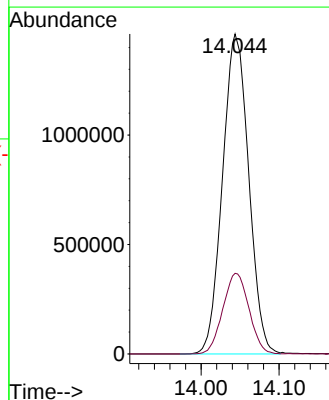
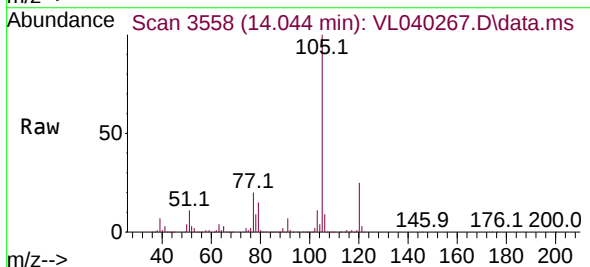
Acq: 13 Mar 2023 16:20

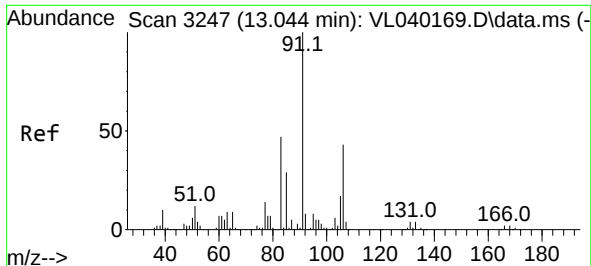
Tgt Ion:105 Resp: 3417824

Ion Ratio Lower Upper

105 100

120 25.2 20.3 30.5

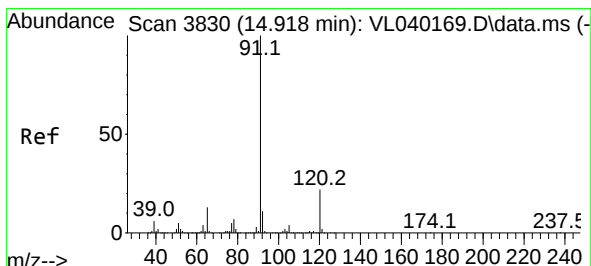
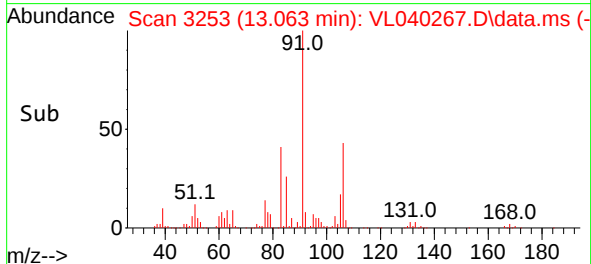
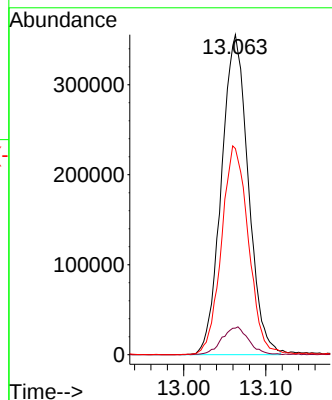
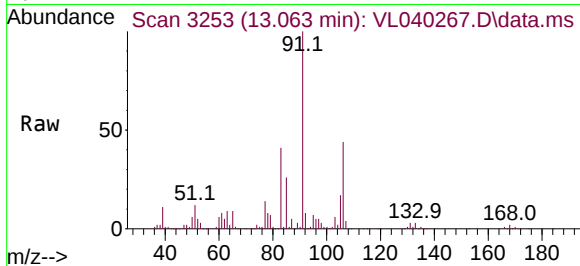




#63
1,1,2,2-Tetrachloroethane
Concen: 9.865 ppbv
RT: 13.063 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

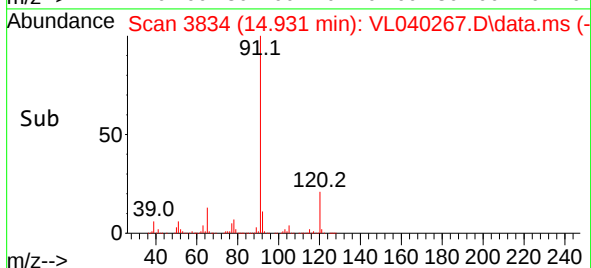
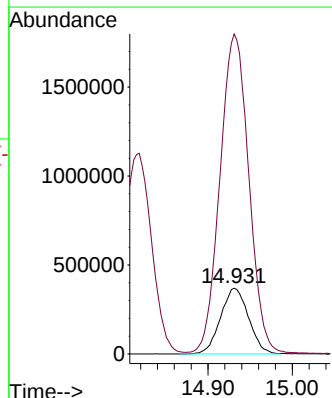
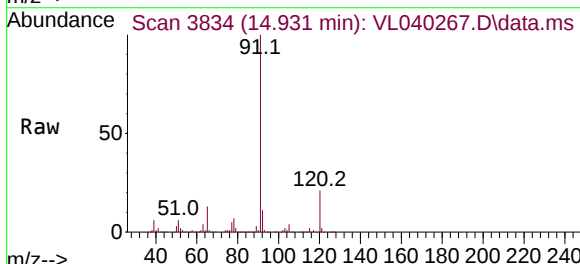
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

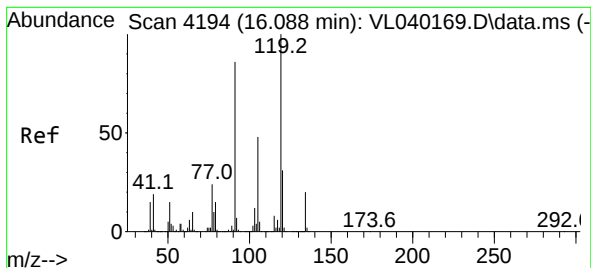
Tgt Ion: 83 Resp: 809663
Ion Ratio Lower Upper
83 100
131 8.8 4.4 13.2
85 66.3 33.0 99.0



#64
n-propylbenzene
Concen: 10.514 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion: 120 Resp: 850675
Ion Ratio Lower Upper
120 100
91 504.1 389.8 584.8

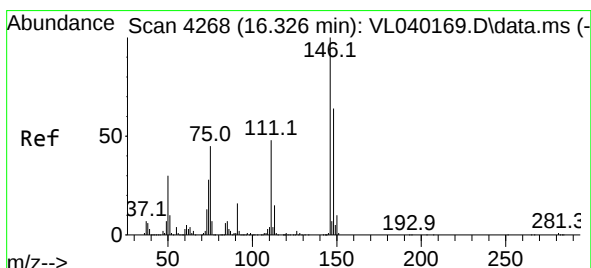
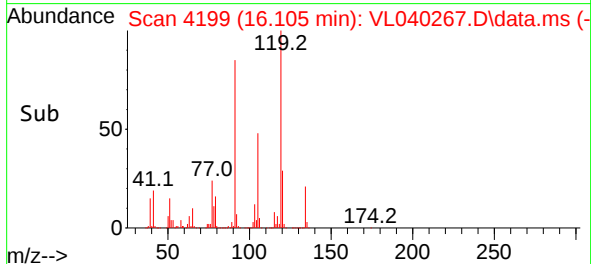
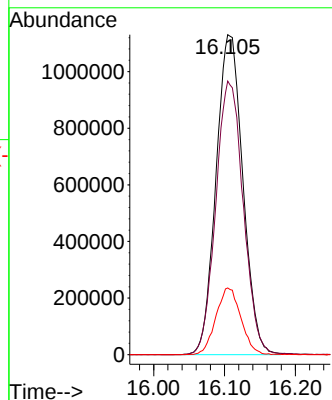
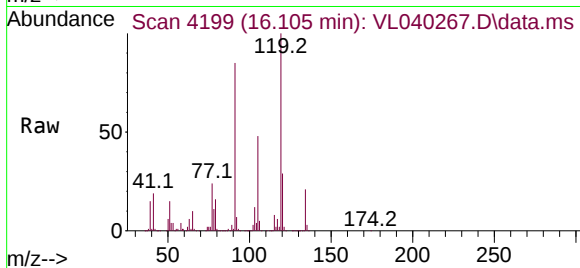




#65
tert-Butylbenzene
Concen: 10.459 ppbv
RT: 16.105 min Scan# 4199
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

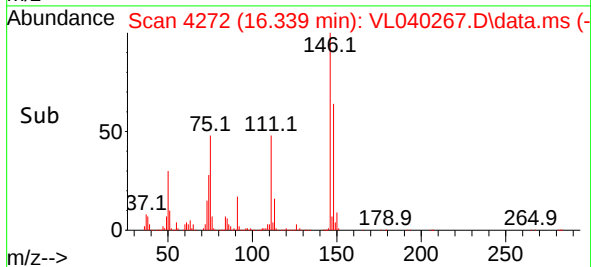
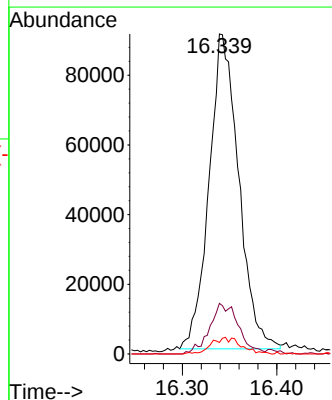
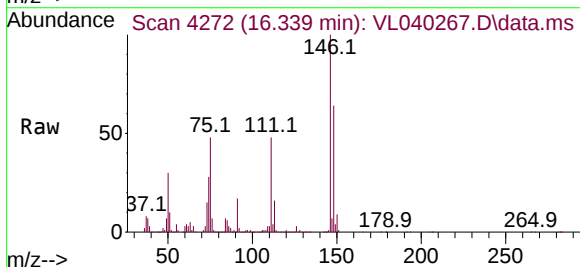
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

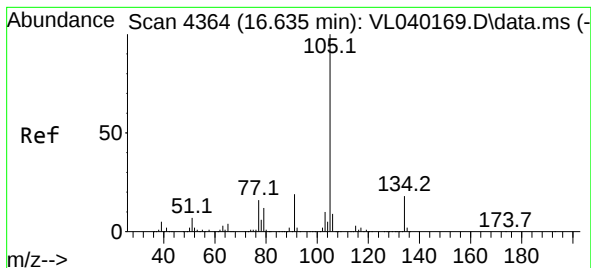
Tgt Ion:119 Resp: 2972177
Ion Ratio Lower Upper
119 100
91 87.7 68.6 102.8
134 19.5 15.9 23.9



#66
Benzyl Chloride
Concen: 10.413 ppbv
RT: 16.339 min Scan# 4272
Delta R.T. 0.003 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion: 91 Resp: 196921
Ion Ratio Lower Upper
91 100
126 16.2 13.1 19.7
128 5.4 4.1 6.1





#67

sec-Butylbenzene

Concen: 10.385 ppbv

RT: 16.654 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Instrument :

MSVOA_1

ClientSampleId :

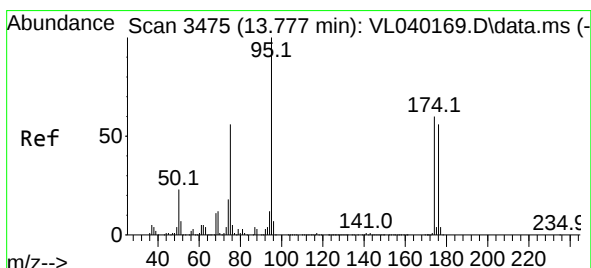
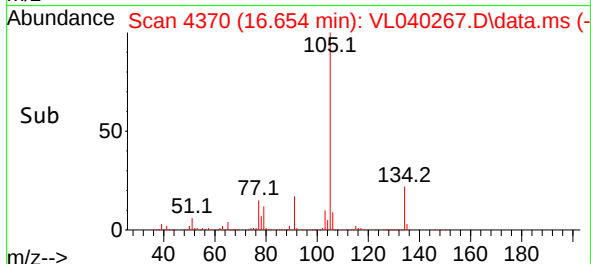
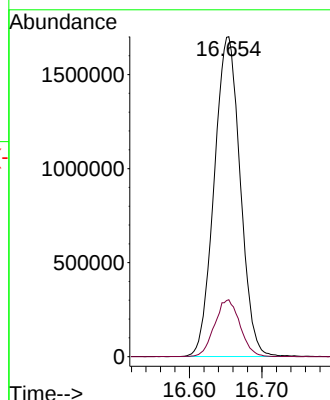
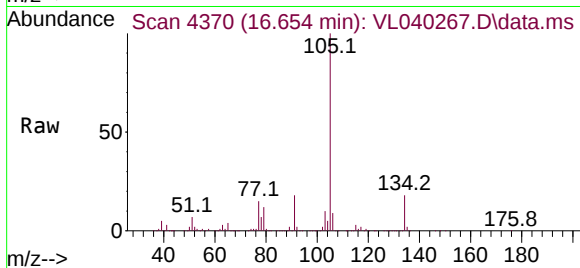
VL0313ABS01

Tgt Ion:105 Resp: 4232195

Ion Ratio Lower Upper

105 100

134 17.5 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.934 ppbv

RT: 13.789 min Scan# 3479

Delta R.T. 0.006 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

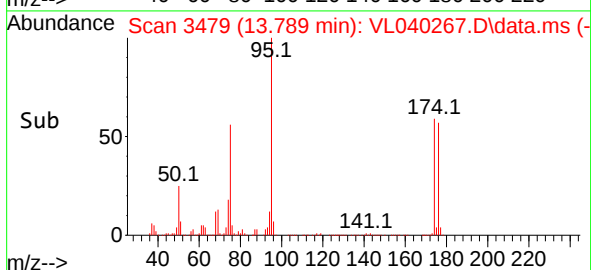
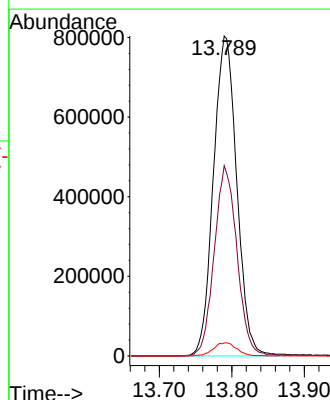
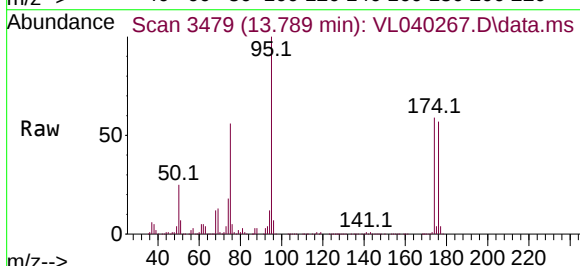
Tgt Ion: 95 Resp: 1796769

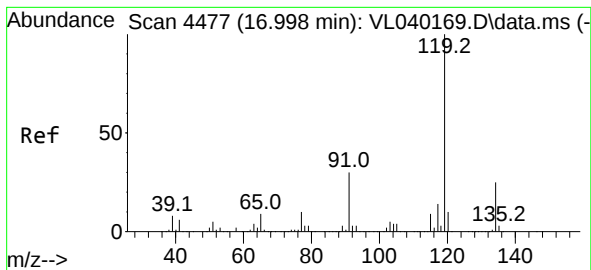
Ion Ratio Lower Upper

95 100

174 58.1 48.2 72.2

175 4.2 3.4 5.2





#69

p-Isopropyltoluene

Concen: 10.399 ppbv

RT: 17.011 min Scan# 4477

Delta R.T. 0.006 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Instrument :

MSVOA_1

ClientSampleId :

VL0313ABS01

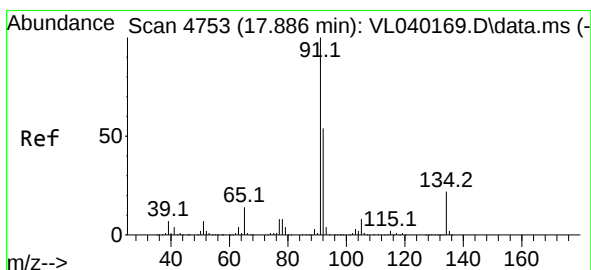
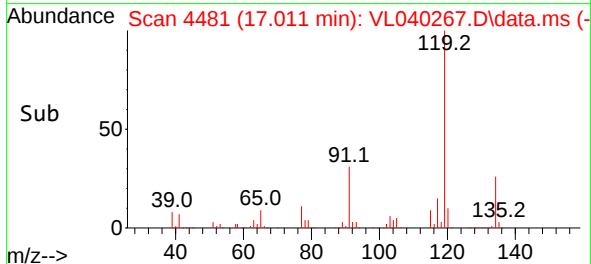
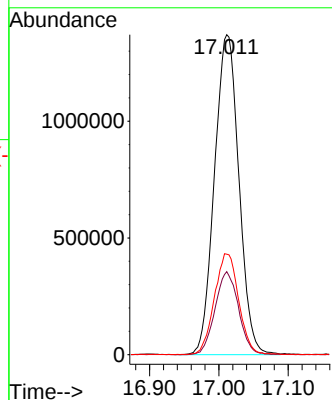
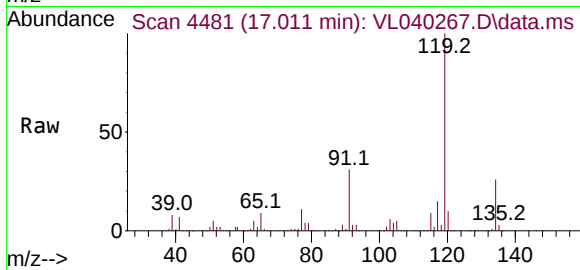
Tgt Ion:119 Resp: 3359687

Ion Ratio Lower Upper

119 100

134 25.1 20.2 30.2

91 31.4 24.7 37.1



#70

n-Butylbenzene

Concen: 10.376 ppbv

RT: 17.902 min Scan# 4758

Delta R.T. 0.006 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

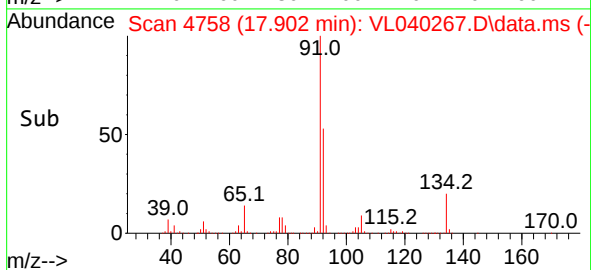
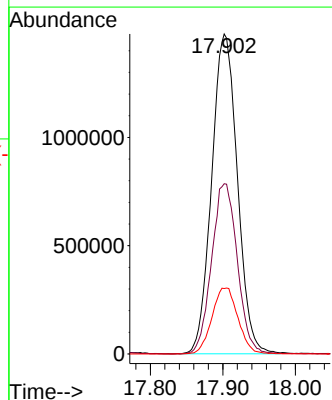
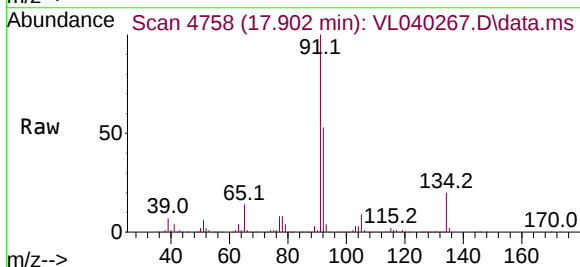
Tgt Ion: 91 Resp: 3638626

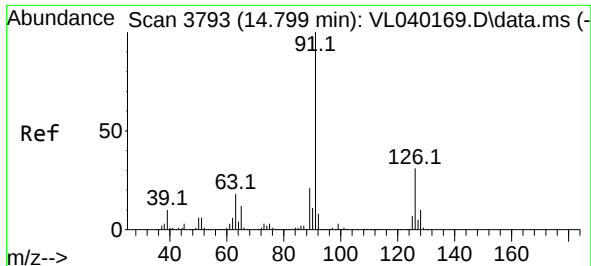
Ion Ratio Lower Upper

91 100

92 53.4 43.0 64.6

134 21.0 16.9 25.3

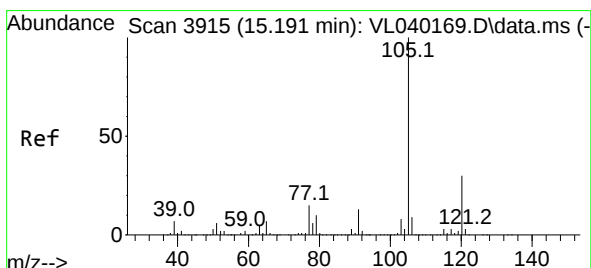
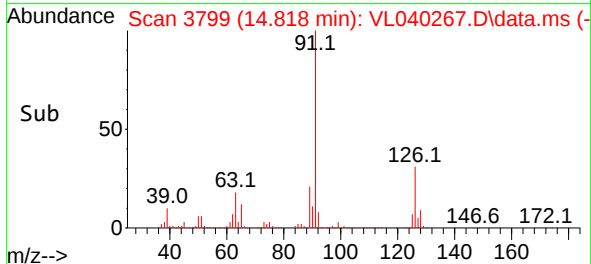
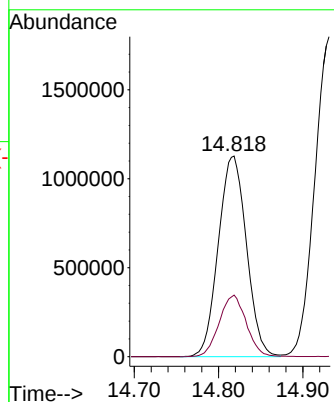
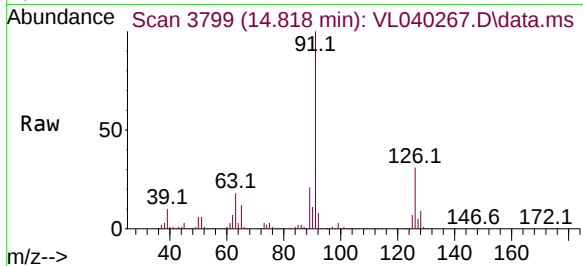




#71
2-Chlorotoluene
Concen: 10.450 ppbv
RT: 14.818 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

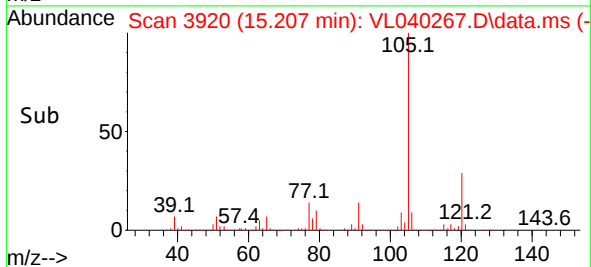
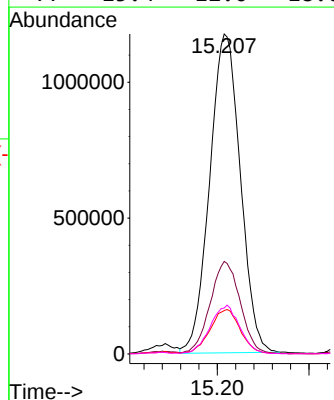
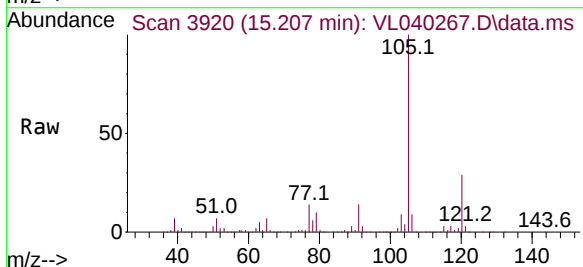
Instrument :
MSVOA_1
ClientSampleId :
VL0313ABS01

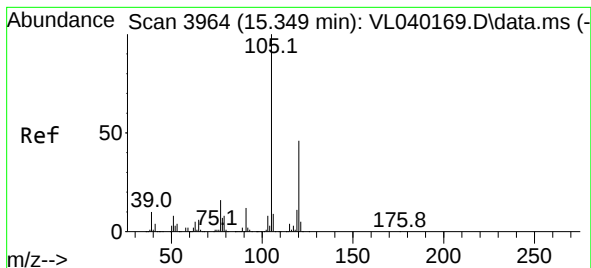
Tgt Ion: 91 Resp: 2612751
Ion Ratio Lower Upper
91 100
126 29.6 12.0 48.2



#72
4-Ethyltoluene
Concen: 10.815 ppbv
RT: 15.207 min Scan# 3920
Delta R.T. 0.003 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion:105 Resp: 2722782
Ion Ratio Lower Upper
105 100
120 29.4 23.2 34.8
91 13.7 11.3 16.9
77 15.4 12.0 18.0





#73

1,3,5-Trimethylbenzene

Concen: 10.453 ppbv

RT: 15.368 min Scan# 3964

Delta R.T. 0.006 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

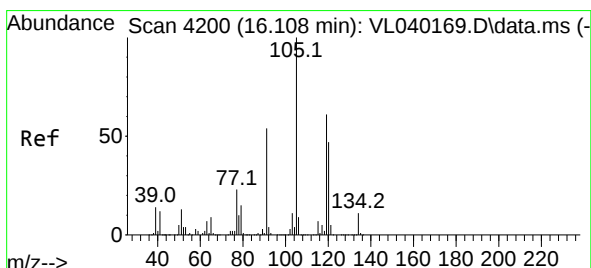
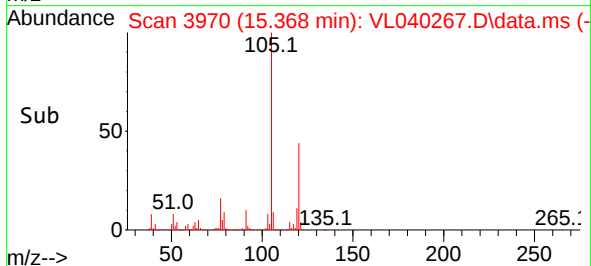
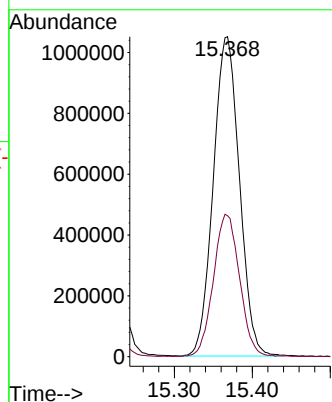
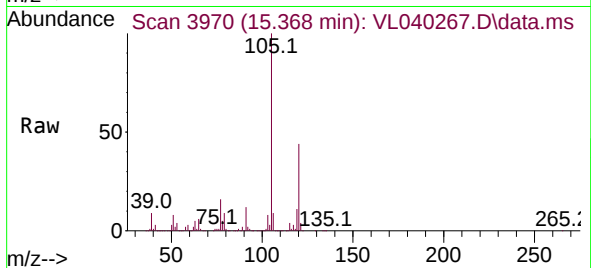
VL0313ABS01

Tgt Ion:105 Resp: 2448816

Ion Ratio Lower Upper

105 100

120 43.9 36.8 55.2



#74

1,2,4-Trimethylbenzene

Concen: 10.359 ppbv

RT: 16.121 min Scan# 4204

Delta R.T. 0.003 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Tgt Ion:105 Resp: 2665744

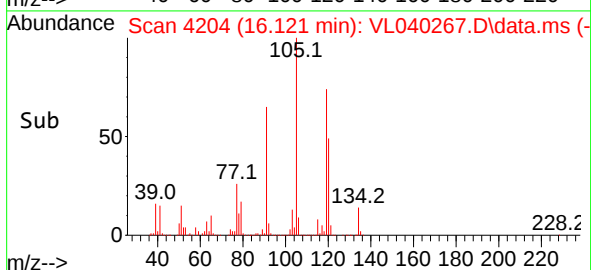
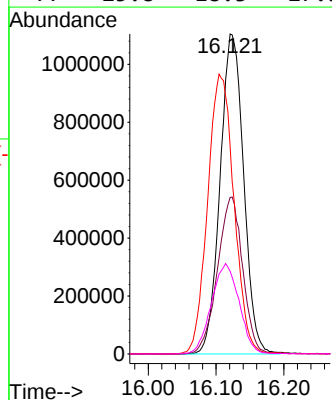
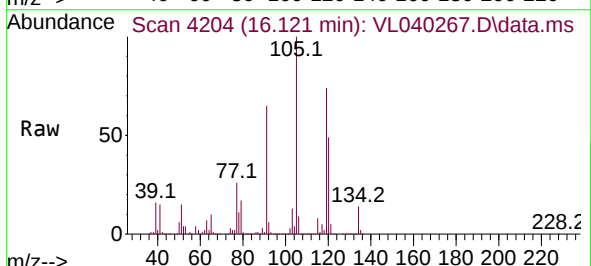
Ion Ratio Lower Upper

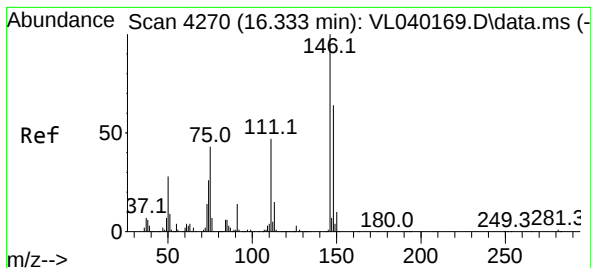
105 100

120 48.8 37.9 56.9

91 64.6 43.7 65.5

77 25.8 18.3 27.5





#75

1,3-Dichlorobenzene

Concen: 10.022 ppbv

RT: 16.346 min Scan# 4318

Delta R.T. 0.006 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS01

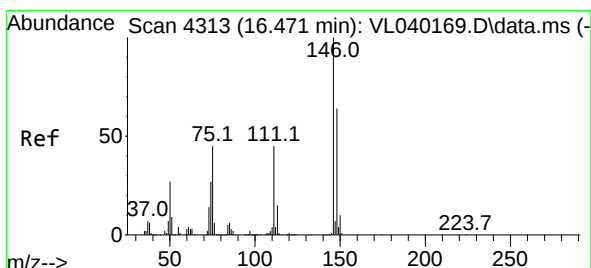
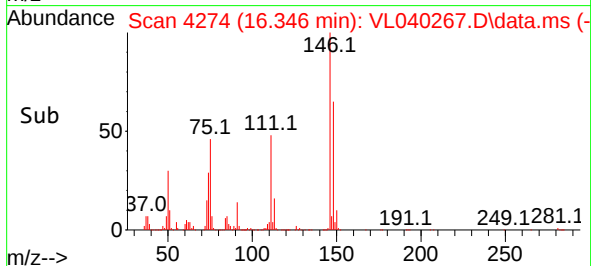
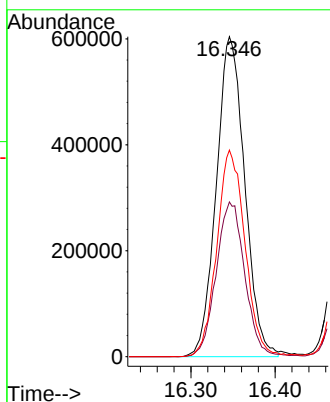
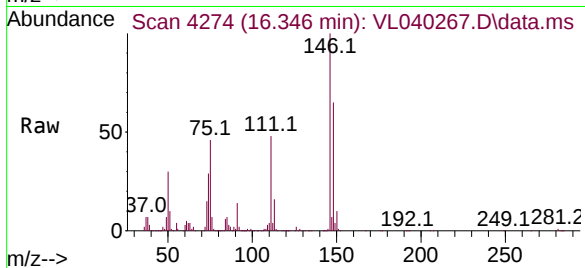
Tgt Ion:146 Resp: 1411417

Ion Ratio Lower Upper

146 100

111 48.9 23.9 71.8

148 64.4 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 9.955 ppbv

RT: 16.487 min Scan# 4318

Delta R.T. 0.003 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

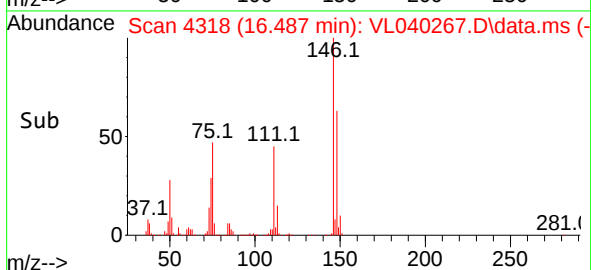
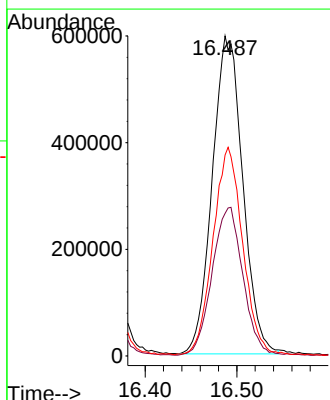
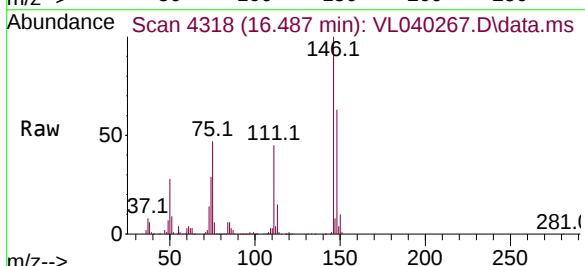
Tgt Ion:146 Resp: 1373786

Ion Ratio Lower Upper

146 100

111 48.3 23.5 70.5

148 65.0 32.5 97.4

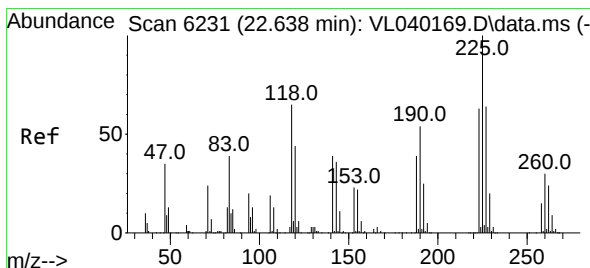
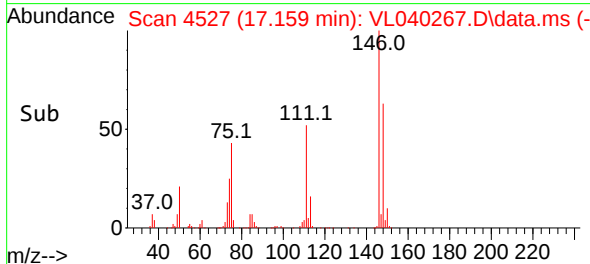
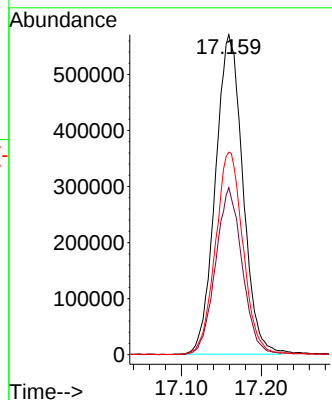
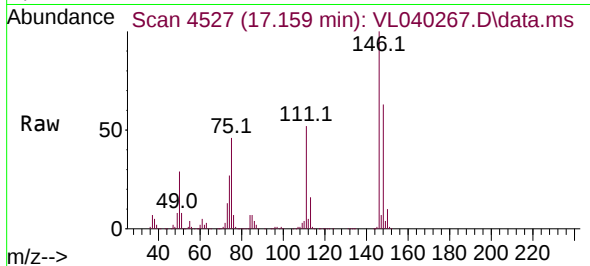




#77
1,2-Dichlorobenzene
Concen: 9.679 ppbv
RT: 17.159 min Scan# 4527
Delta R.T. 0.006 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

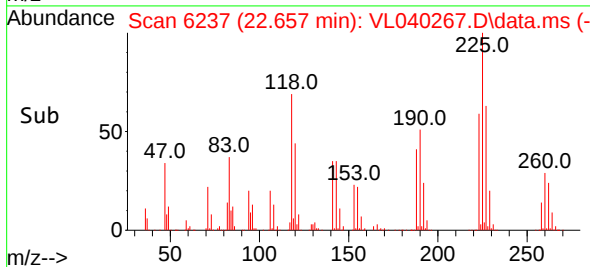
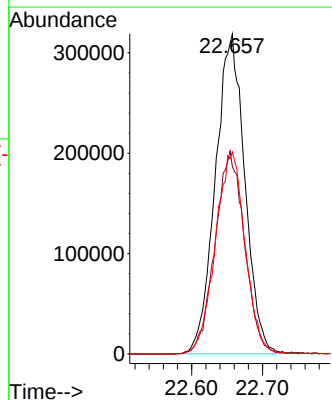
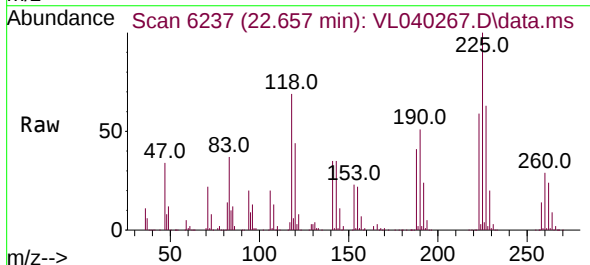
Instrument :
MSVOA_L
ClientSampleId :
VL0313ABS01

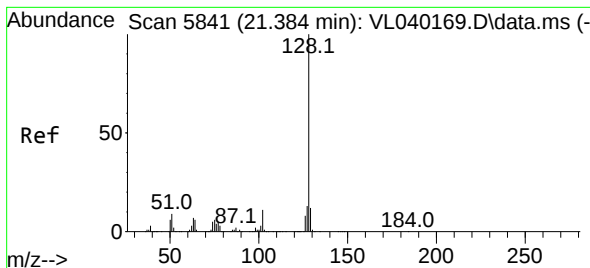
Tgt Ion:146 Resp: 1353958
Ion Ratio Lower Upper
146 100
111 51.2 25.3 75.8
148 64.1 32.0 96.2



#78
Hexachloro-1,3-Butadiene
Concen: 9.539 ppbv
RT: 22.657 min Scan# 6237
Delta R.T. 0.013 min
Lab File: VL040267.D
Acq: 13 Mar 2023 16:20

Tgt Ion:225 Resp: 916697
Ion Ratio Lower Upper
225 100
223 63.7 51.0 76.6
227 64.2 51.2 76.8





#79

Naphthalene

Concen: 12.529 ppbv

RT: 21.403 min Scan# 5841

Delta R.T. 0.006 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS01

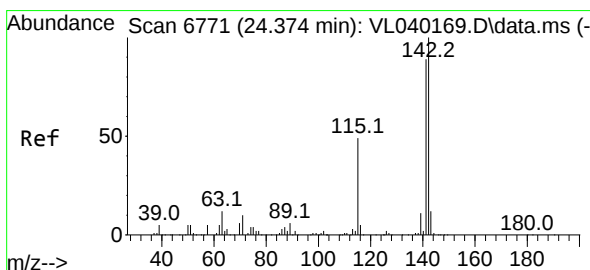
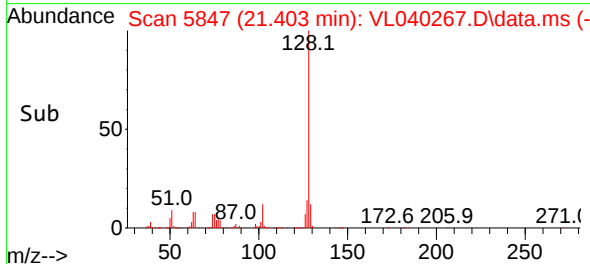
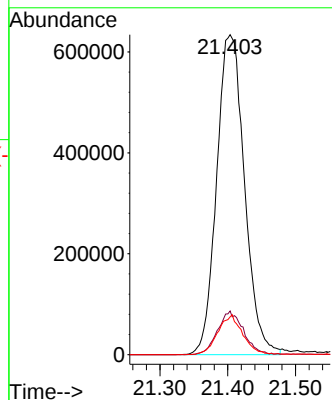
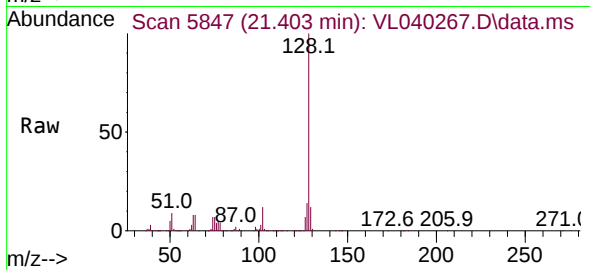
Tgt Ion:128 Resp: 1811244

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

129 11.8 9.4 14.0



#80

Naphthalene,2-methyl-

Concen: 8.942 ppbv

RT: 24.394 min Scan# 6777

Delta R.T. 0.010 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

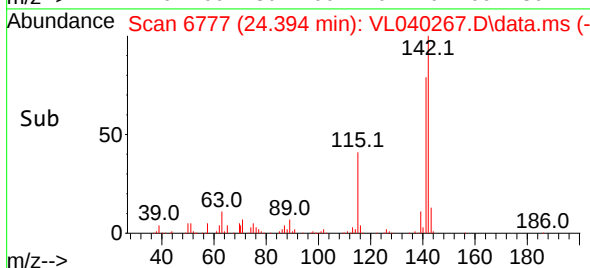
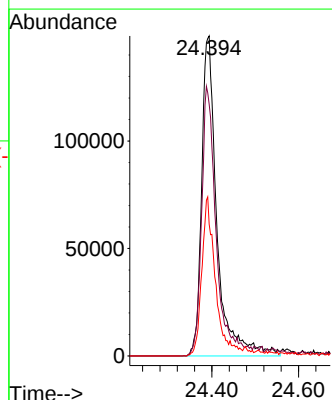
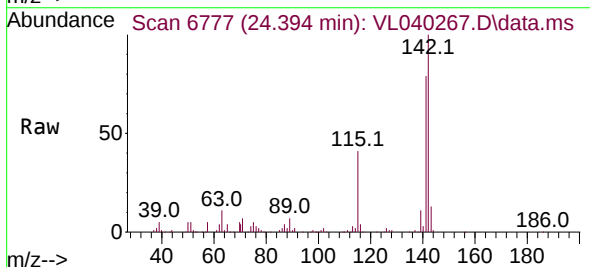
Tgt Ion:142 Resp: 367601

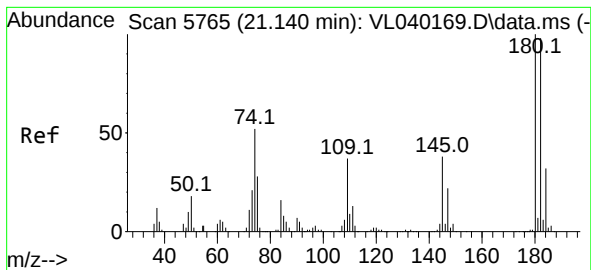
Ion Ratio Lower Upper

142 100

141 81.6 67.3 100.9

115 46.3 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 10.774 ppbv

RT: 21.159 min Scan# 5

Delta R.T. 0.010 min

Lab File: VL040267.D

Acq: 13 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

VL0313ABS01

Tgt Ion:180 Resp: 974716

Ion Ratio Lower Upper

180 100

182 97.6 79.0 118.6

184 30.7 24.6 36.8

