

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022723\
 Data File : VL040231.D
 Acq On : 27 Feb 2023 11:53
 Operator : SY/MD
 Sample : VL0227ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Quant Time: Feb 28 00:17:27 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 Feb 28 00:12:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	941932	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2504381	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2422374	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1911715	9.597	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	1195056	6.807	ppbv	100
3) Chlorodifluoromethane	2.661	51	1101797	9.792	ppbv	100
4) Chloromethane	2.800	50	688467	9.741	ppbv	95
5) Vinyl Chloride	2.909	62	595138	10.478	ppbv	99
6) Bromomethane	3.108	94	196690	9.595	ppbv	97
7) Chloroethane	3.185	64	221894	9.852	ppbv	98
8) Dichlorotetrafluoroethane	2.845	85	1478360	9.773	ppbv	99
9) Propene	2.681	41	450588	9.824	ppbv	99
10) Heptane	7.574	43	1155127	10.581	ppbv	99
11) Trichlorofluoromethane	3.552	101	1586590	10.073	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.057	101	1186834	10.213	ppbv	99
13) Ethanol	3.237	45	21713	5.142	ppbv	79
14) Bromoethene	3.356	108	469927	10.546	ppbv	100
15) Acetone	3.455	43	1042815	9.196	ppbv	100
16) 1,3-Butadiene	2.973	39	543555	10.496	ppbv	100
17) tert-Butyl alcohol	3.867	59	1127864	10.905	ppbv	99
18) 1,1-Dichloroethene	3.870	96	511846	10.137	ppbv	97
19) Isopropyl Alcohol	3.565	45	541294	10.041	ppbv	100
20) Methylene Chloride	3.922	84	440867	7.468	ppbv	97
21) Allyl Chloride	3.986	41	734449	10.559	ppbv	98
22) trans-1,2-Dichloroethene	4.436	96	551169	10.542	ppbv	96
23) Vinyl Acetate	4.619	43	336327	9.772	ppbv	98
24) 1,1-Dichloroethane	4.555	63	1108625	10.305	ppbv	100
25) Ethyl Acetate	5.198	43	2031418	9.636	ppbv	99
26) Hexane	5.205	57	842952	9.314	ppbv	99
27) Carbon Disulfide	4.115	76	1340937	11.677	ppbv	98
28) Methyl tert-Butyl Ether	4.578	73	1012435	10.441	ppbv	98
29) Chloroform	5.269	83	1495170	9.622	ppbv	98
30) Cyclohexane	6.597	84	744841	10.481	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	846996	9.850	ppbv	97
32) 1,1,1-Trichloroethane	5.996	97	1535589	10.518	ppbv	99
34) 2-Butanone	4.777	43	1186788	9.607	ppbv	98
35) Carbon Tetrachloride	6.488	117	1608921	10.867	ppbv	97
36) Benzene	6.365	78	1914167	9.822	ppbv	100
37) 1,2-Dichloroethane	5.799	62	1200012	9.845	ppbv	99
38) Trichloroethene	7.288	130	1137331	10.590	ppbv	98
39) 1,2-Dichloropropane	7.069	63	732611	9.663	ppbv	98
40) 1,4-Dioxane	7.285	88	289138	9.534	ppbv #	1
41) Tetrahydrofuran	5.549	42	718469	10.036	ppbv	99
42) Bromodichloromethane	7.246	83	1732195	10.296	ppbv	99
43) Methyl Methacrylate	7.471	69	765399	10.614	ppbv	98
44) 2,2,4-Trimethylpentane	7.324	57	3164874	9.728	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	721513	11.279	ppbv	100

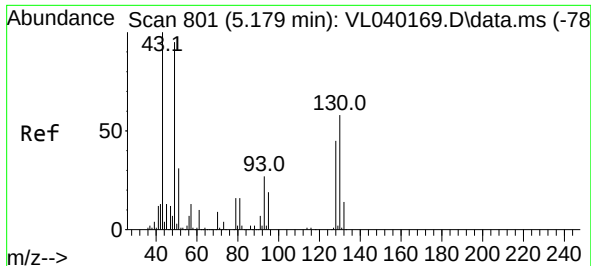
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022723\
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Instrument :
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Quant Time: Feb 28 00:17:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Feb 28 00:12:21 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	982376	11.023	ppbv	99
47) 1,1,2-Trichloroethane	8.899	97	799888	9.754	ppbv	99
48) Dibromochloromethane	9.712	129	1386491	10.571	ppbv	100
49) Bromoform	12.410	173	1079646	10.546	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	1966322	10.251	ppbv	100
51) 2-Hexanone	9.552	43	1531499	10.382	ppbv #	99
52) Tetrachloroethene	10.616	164	627865	10.317	ppbv	97
53) Toluene	9.221	91	2163540	10.364	ppbv	100
54) 1,2-Dibromoethane	10.008	107	887188	10.398	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.513	131	980739	9.645	ppbv #	94
57) Chlorobenzene	11.529	112	1661380	9.388	ppbv	99
58) Ethyl Benzene	12.092	91	2977902	10.118	ppbv	99
59) m/p-Xylene	12.375	91	3081968	11.823	ppbv #	56
60) o-Xylene	13.063	91	2479955	9.887	ppbv	100
61) Styrene	12.899	104	1416457	10.756	ppbv	99
62) Isopropylbenzene	14.034	105	3463129	9.619	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	813544	9.000	ppbv	99
64) n-propylbenzene	14.921	120	872401	9.790	ppbv	96
65) tert-Butylbenzene	16.092	119	3037264	9.705	ppbv	99
66) Benzyl Chloride	16.333	91	201923	9.695	ppbv	99
67) sec-Butylbenzene	16.638	105	4289804	9.558	ppbv	100
69) p-Isopropyltoluene	16.998	119	3419720	9.611	ppbv	100
70) n-Butylbenzene	17.892	91	3702630	9.587	ppbv	99
71) 2-Chlorotoluene	14.802	91	2679114	9.729	ppbv	99
72) 4-Ethyltoluene	15.198	105	2805200	10.117	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2472528	9.583	ppbv	100
74) 1,2,4-Trimethylbenzene	16.111	105	2683170	9.468	ppbv	99
75) 1,3-Dichlorobenzene	16.336	146	1454302	9.377	ppbv	99
76) 1,4-Dichlorobenzene	16.481	146	1415000	9.310	ppbv	99
77) 1,2-Dichlorobenzene	17.146	146	1389736	9.021	ppbv	100
78) Hexachloro-1,3-Butadiene	22.641	225	866575	8.187	ppbv	99
79) Naphthalene	21.390	128	1673922	10.513	ppbv	97
80) Naphthalene,2-methyl-	24.381	142	352924	7.795	ppbv	96
81) 1,2,4-Trichlorobenzene	21.143	180	931357	9.348	ppbv	98

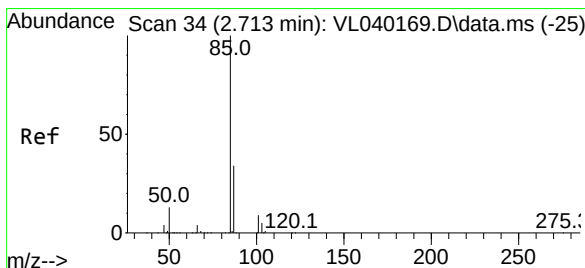
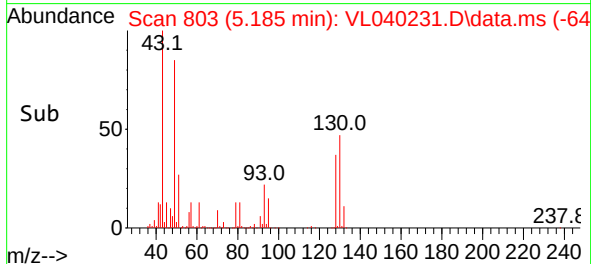
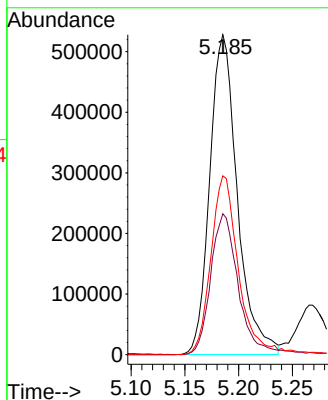
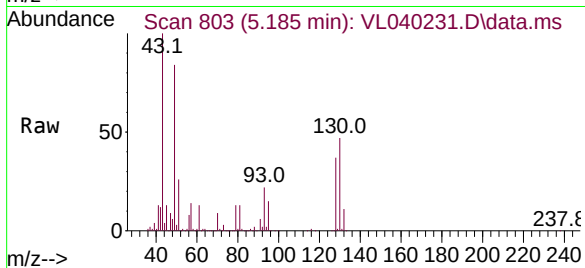
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

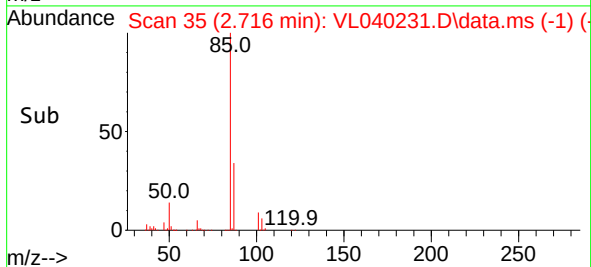
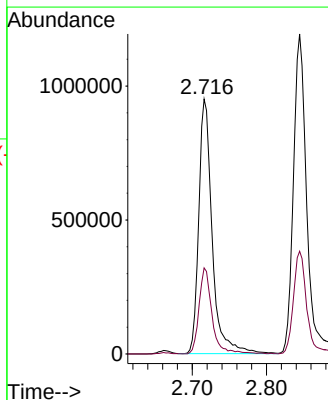
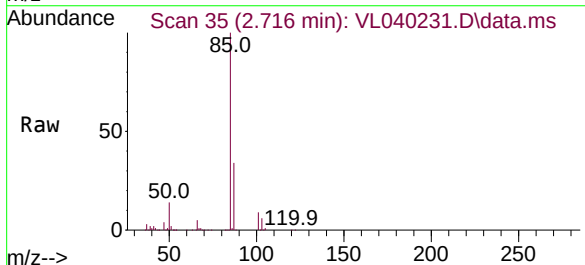
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MSVOA_1
ClientSampleId :
VL0227ABS01

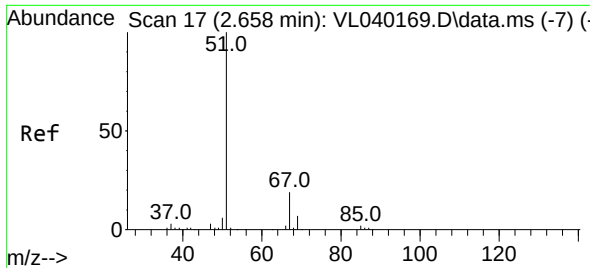
Tgt Ion: 49 Resp: 941932
Ion Ratio Lower Upper
49 100
128 44.9 24.1 72.3
130 57.1 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 6.807 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.000 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion: 85 Resp: 1195056
Ion Ratio Lower Upper
85 100
87 33.7 27.0 40.6

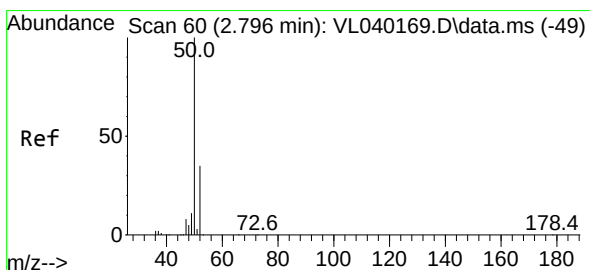
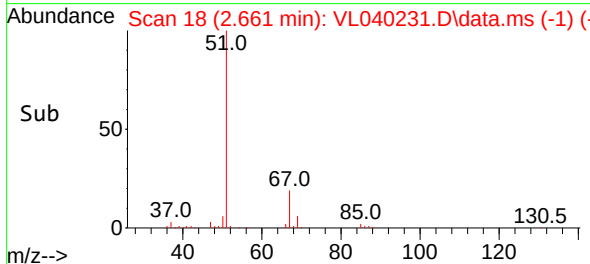
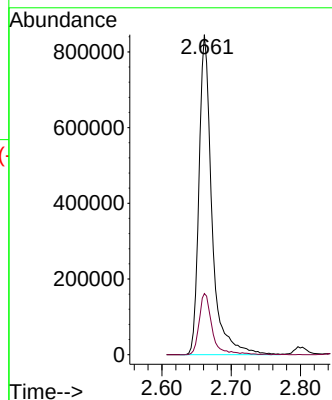
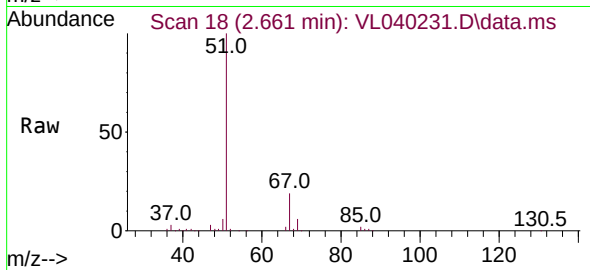




#3
Chlorodifluoromethane
Concen: 9.792 ppbv
RT: 2.661 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

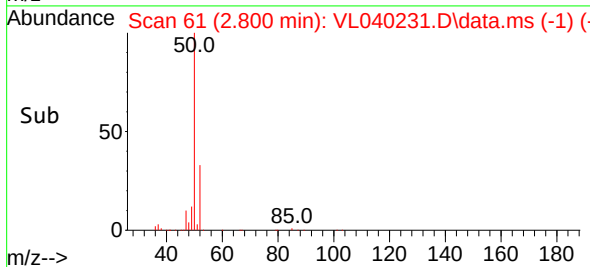
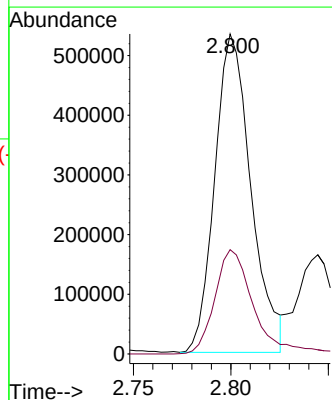
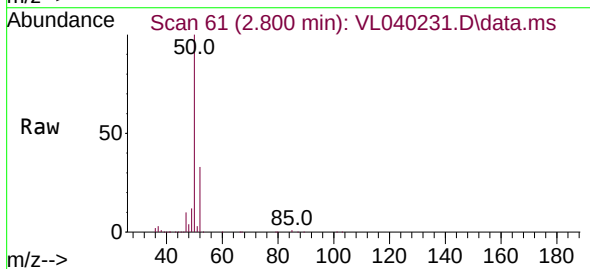
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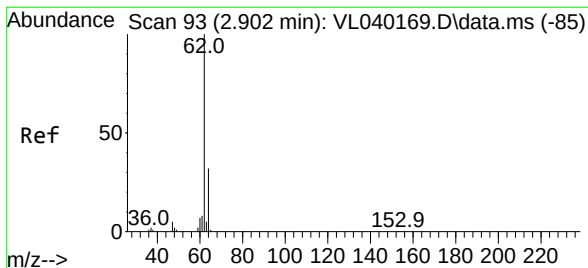
Tgt Ion: 51 Resp: 1101797
Ion Ratio Lower Upper
51 100
67 19.3 15.4 23.2



#4
Chloromethane
Concen: 9.741 ppbv
RT: 2.800 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion: 50 Resp: 688467
Ion Ratio Lower Upper
50 100
52 32.7 28.3 42.5

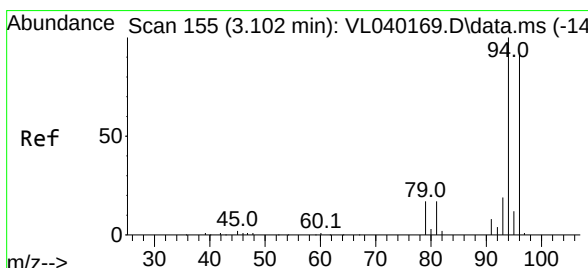
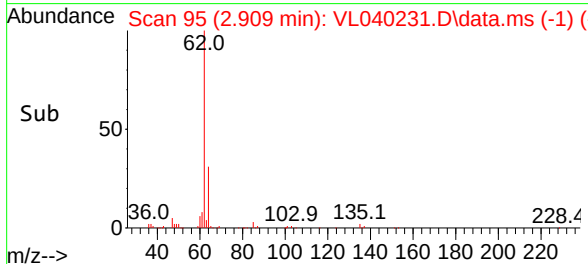
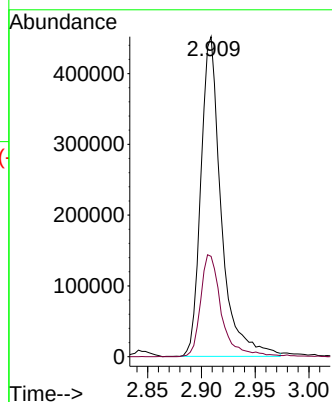
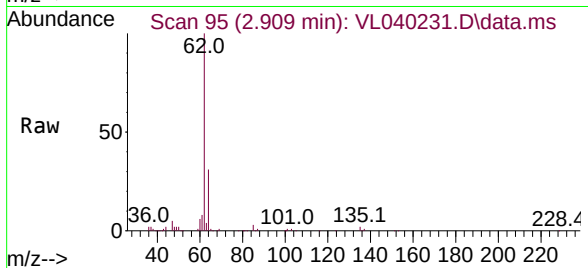




#5
 Vinyl Chloride
 Concen: 10.478 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL040231.D
 Acq: 27 Feb 2023 11:53

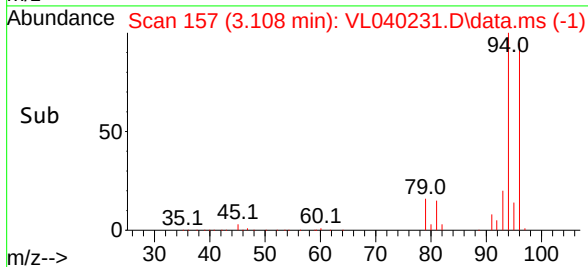
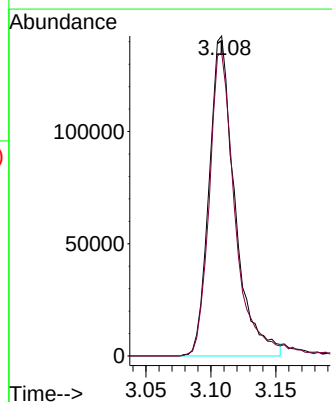
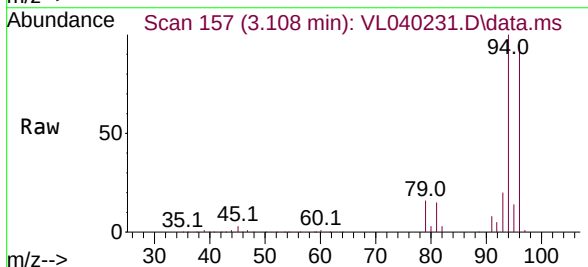
Instrument :
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 ClientSampleId :
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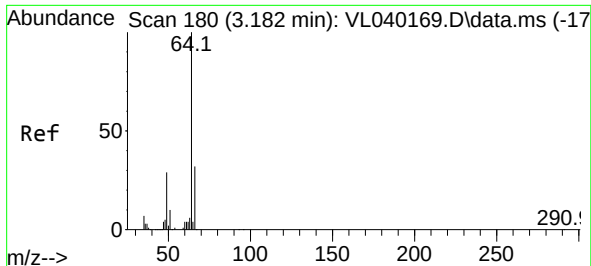
Tgt Ion: 62 Resp: 595138
 Ion Ratio Lower Upper
 62 100
 64 31.3 25.6 38.4



#6
 Bromomethane
 Concen: 9.595 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. 0.000 min
 Lab File: VL040231.D
 Acq: 27 Feb 2023 11:53

Tgt Ion: 94 Resp: 196690
 Ion Ratio Lower Upper
 94 100
 96 94.8 73.4 110.2

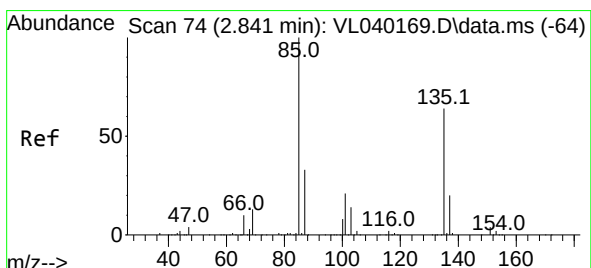
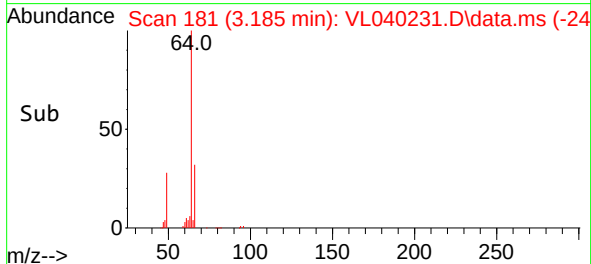
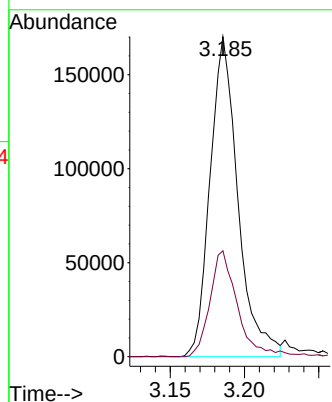
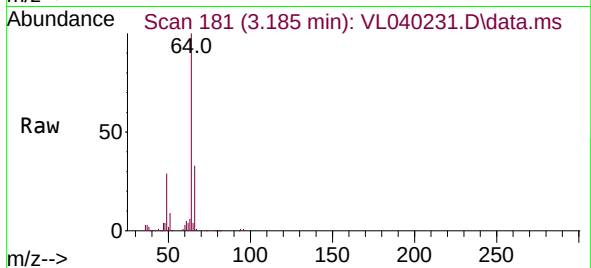




#7
Chloroethane
Concen: 9.852 ppbv
RT: 3.185 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

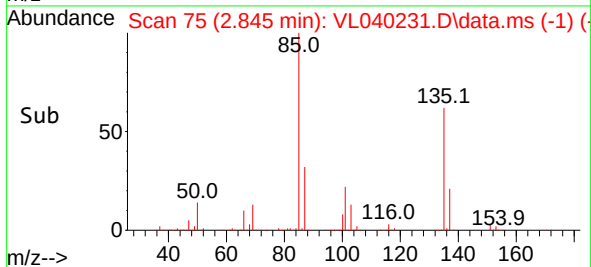
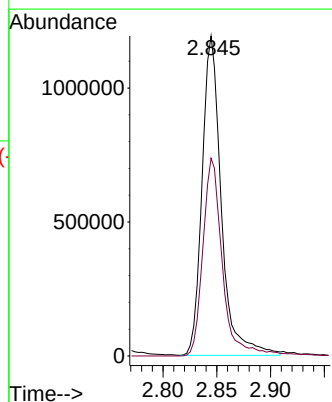
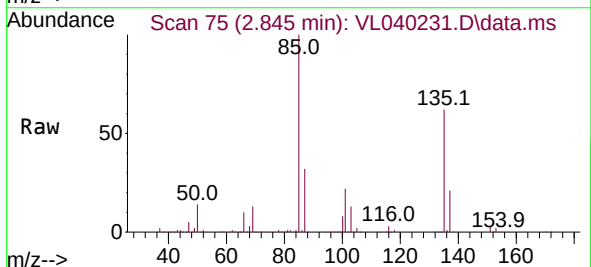
Instrument :
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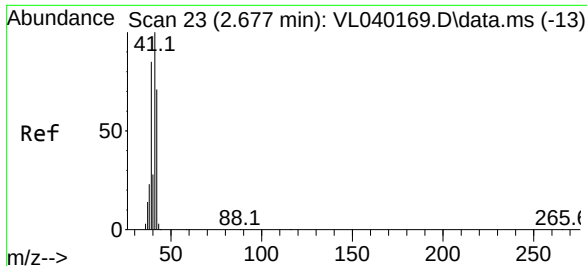
Tgt Ion: 64 Resp: 221894
Ion Ratio Lower Upper
64 100
66 33.1 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 9.773 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion: 85 Resp: 1478360
Ion Ratio Lower Upper
85 100
135 63.8 51.5 77.3

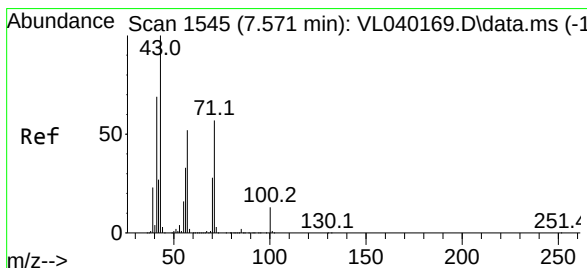
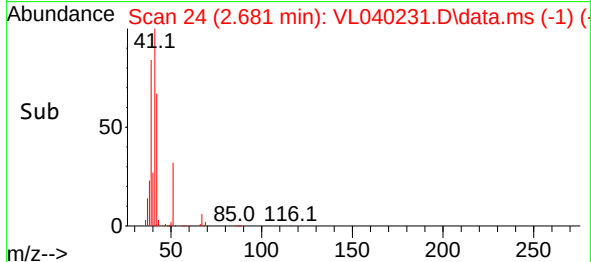
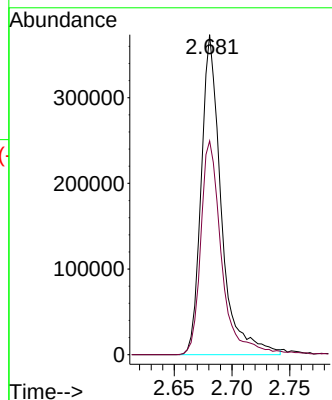
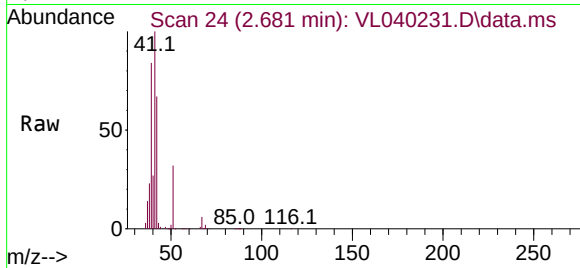




#9
 Propene
 Concen: 9.824 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: VL040231.D
 Acq: 27 Feb 2023 11:53

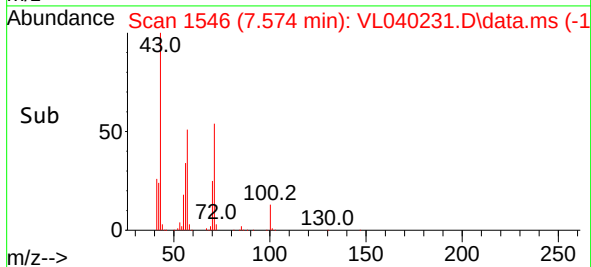
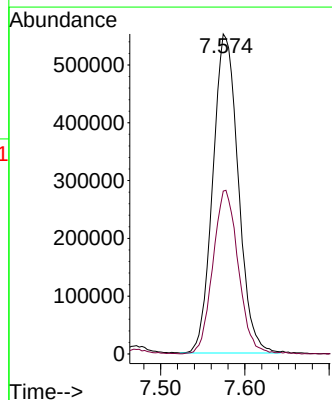
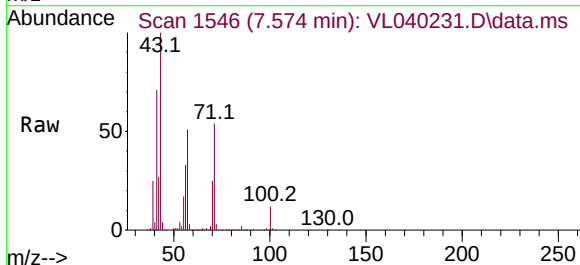
Instrument :
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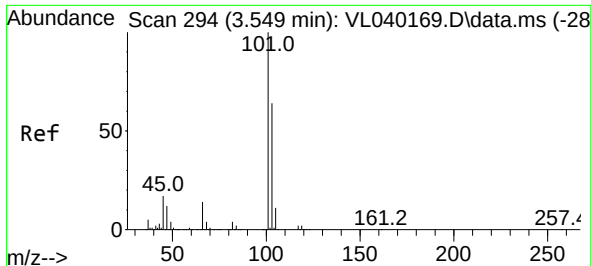
Tgt Ion: 41 Resp: 450588
 Ion Ratio Lower Upper
 41 100
 42 70.4 56.9 85.3



#10
 Heptane
 Concen: 10.581 ppbv
 RT: 7.574 min Scan# 1546
 Delta R.T. -0.003 min
 Lab File: VL040231.D
 Acq: 27 Feb 2023 11:53

Tgt Ion: 43 Resp: 1155127
 Ion Ratio Lower Upper
 43 100
 57 51.4 41.4 62.2

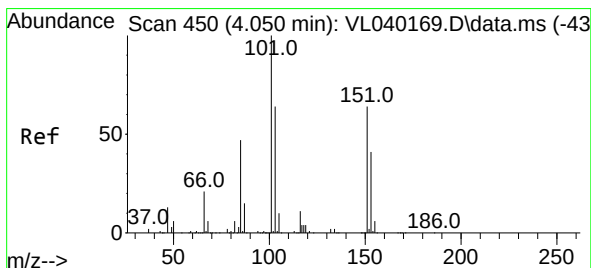
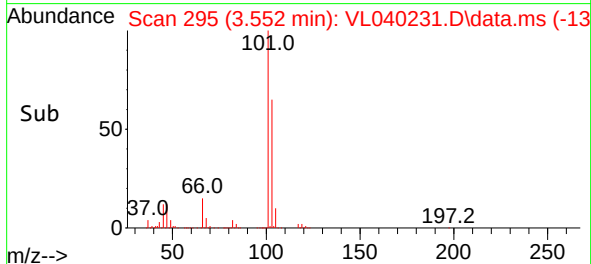
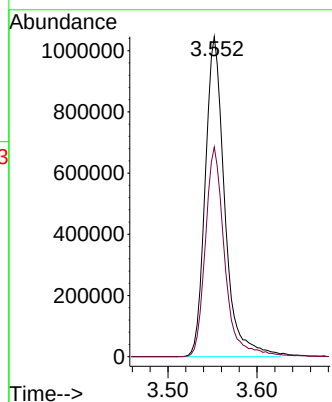
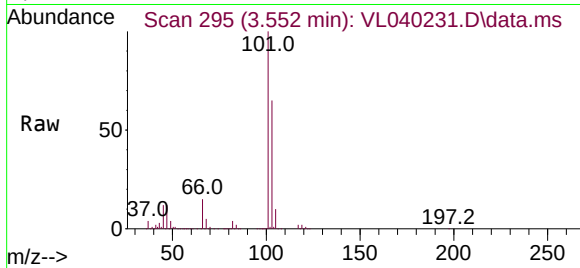




#11
 Trichlorofluoromethane
 Concen: 10.073 ppbv
 RT: 3.552 min Scan# 294
 Delta R.T. 0.003 min
 Lab File: VL040231.D
 Acq: 27 Feb 2023 11:53

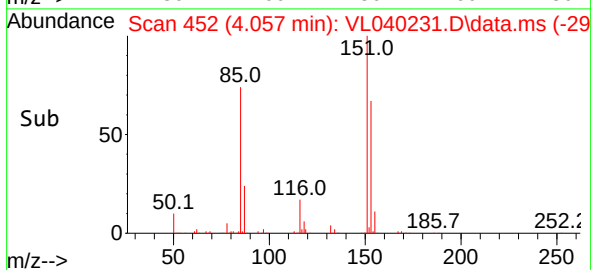
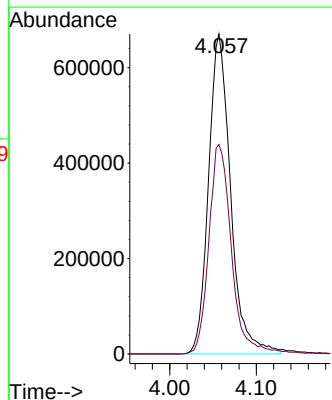
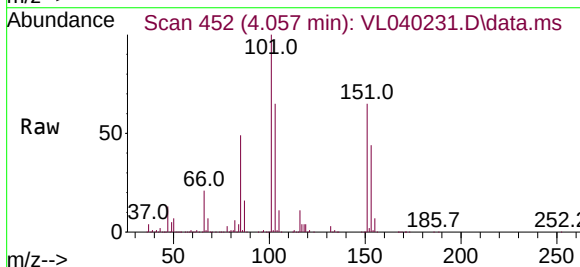
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 ClientSampleId :
 VL0227ABS01

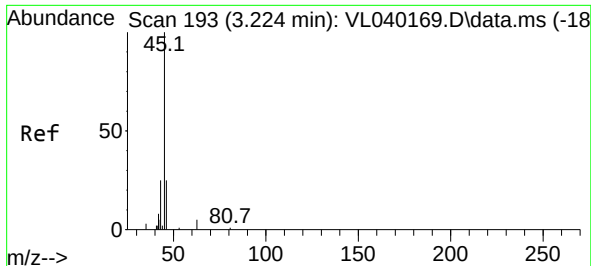
Tgt Ion:101 Resp: 1586590
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.0 76.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.213 ppbv
 RT: 4.057 min Scan# 452
 Delta R.T. 0.000 min
 Lab File: VL040231.D
 Acq: 27 Feb 2023 11:53

Tgt Ion:101 Resp: 1186834
 Ion Ratio Lower Upper
 101 100
 151 67.3 54.7 82.1

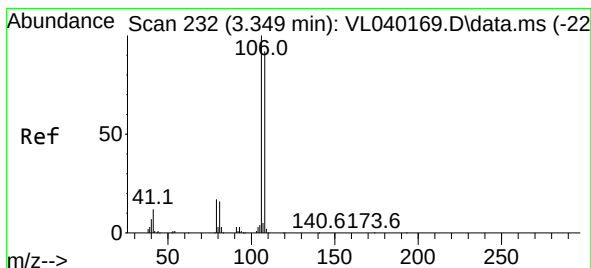
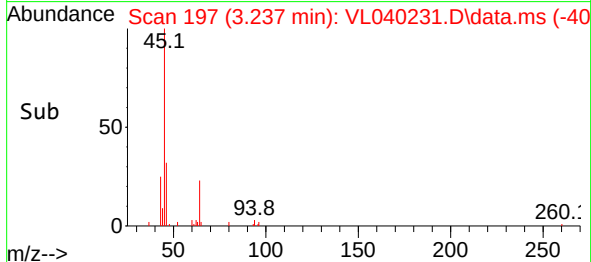
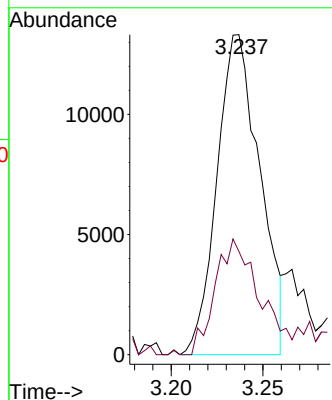
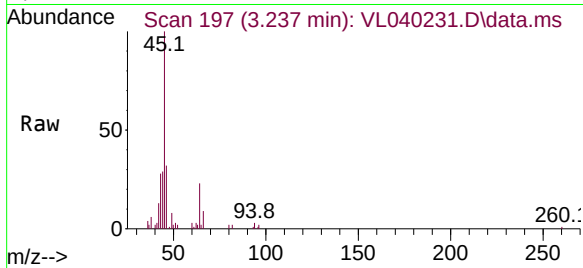




#13
Ethanol
Concen: 5.142 ppbv
RT: 3.237 min Scan# 193
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

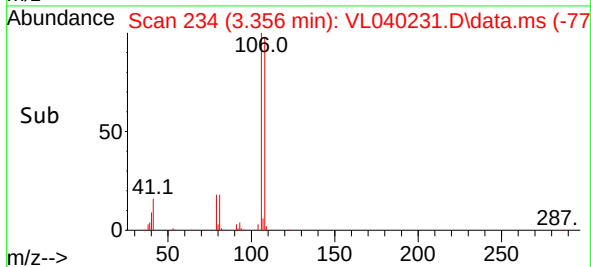
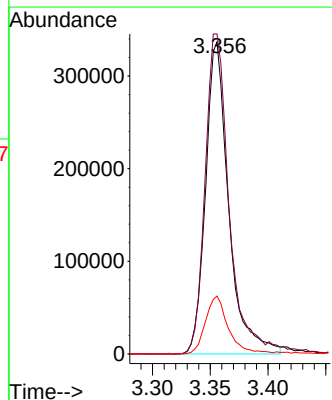
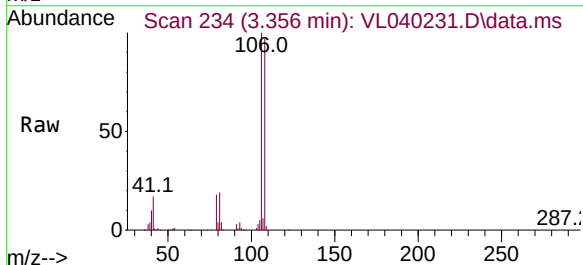
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

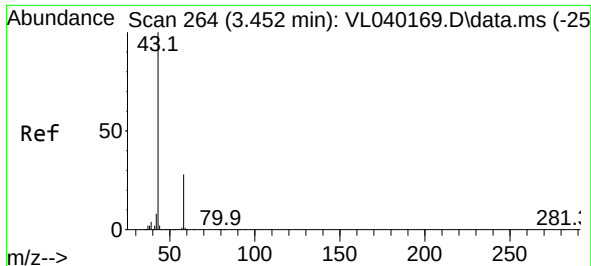
Tgt Ion: 45 Resp: 21713
Ion Ratio Lower Upper
45 100
46 44.9 13.3 53.1



#14
Bromoethene
Concen: 10.546 ppbv
RT: 3.356 min Scan# 234
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion: 108 Resp: 469927
Ion Ratio Lower Upper
108 100
106 109.0 87.1 130.7
79 19.4 15.4 23.2

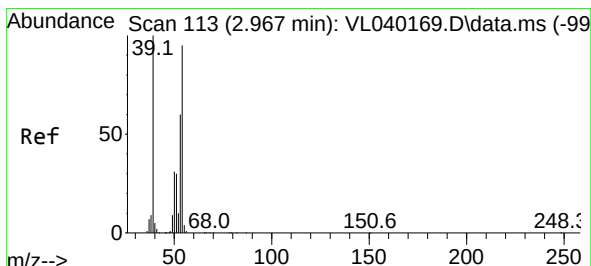
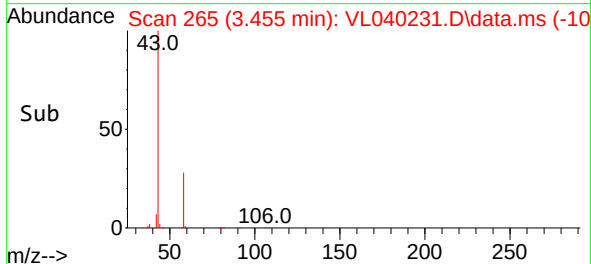
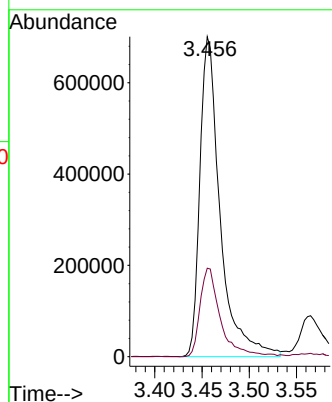
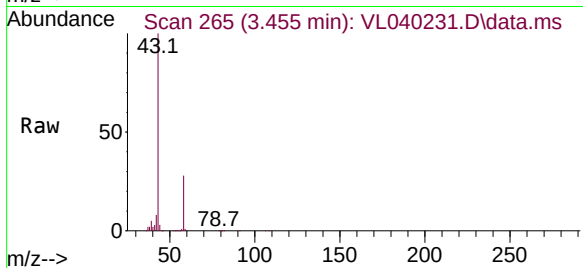




#15
Acetone
Concen: 9.196 ppbv
RT: 3.455 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

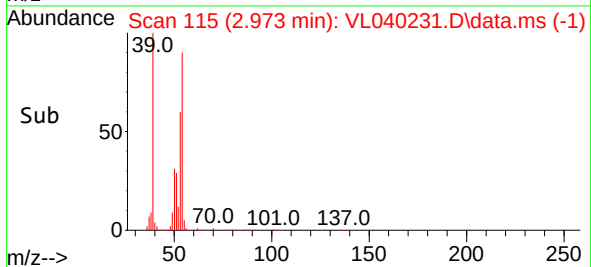
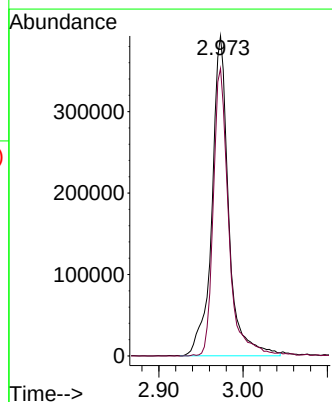
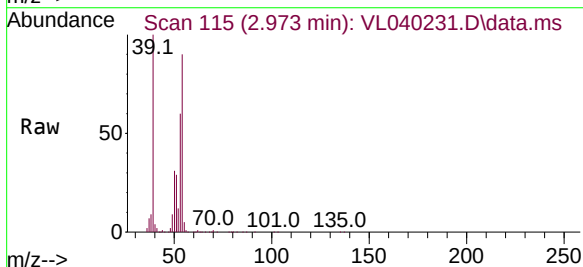
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

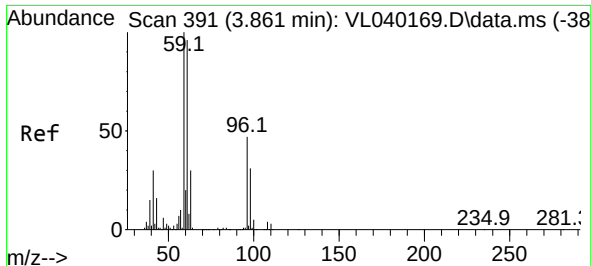
Tgt Ion: 43 Resp: 1042815
Ion Ratio Lower Upper
43 100
58 28.1 22.4 33.6



#16
1,3-Butadiene
Concen: 10.496 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion: 39 Resp: 543555
Ion Ratio Lower Upper
39 100
54 83.5 66.7 100.1





#17

tert-Butyl alcohol

Concen: 10.905 ppbv

RT: 3.867 min Scan# 391

Delta R.T. 0.003 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

Instrument :

MSVOA_L

ClientSampleId :

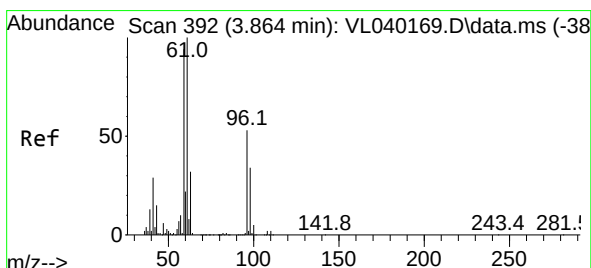
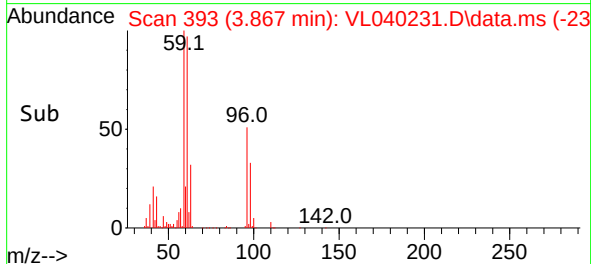
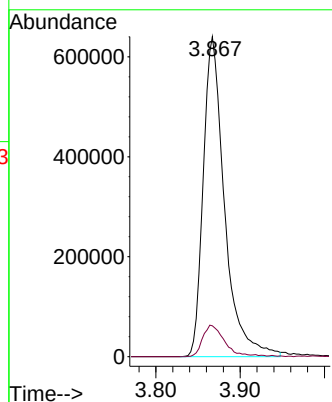
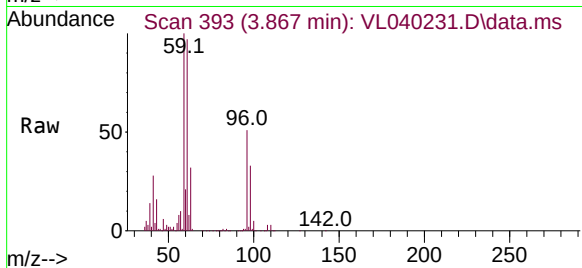
VL0227ABS01

Tgt Ion: 59 Resp: 1127864

Ion Ratio Lower Upper

59 100

57 10.4 8.5 12.7



#18

1,1-Dichloroethene

Concen: 10.137 ppbv

RT: 3.870 min Scan# 394

Delta R.T. 0.003 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

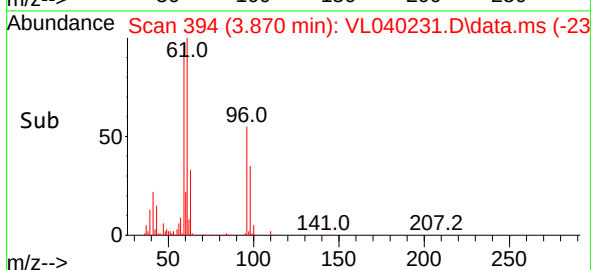
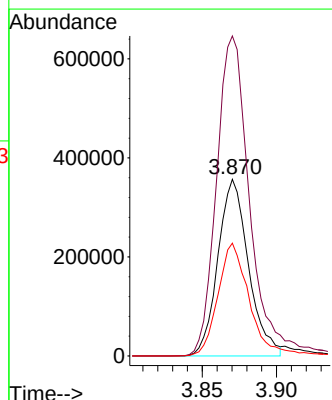
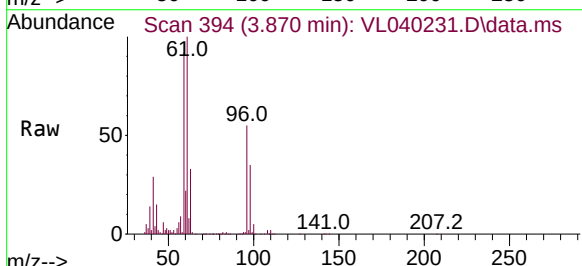
Tgt Ion: 96 Resp: 511846

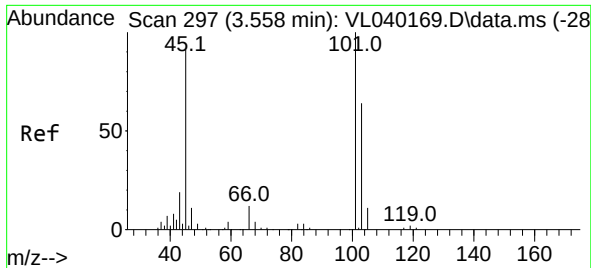
Ion Ratio Lower Upper

96 100

61 181.0 149.6 224.4

98 63.9 51.1 76.7

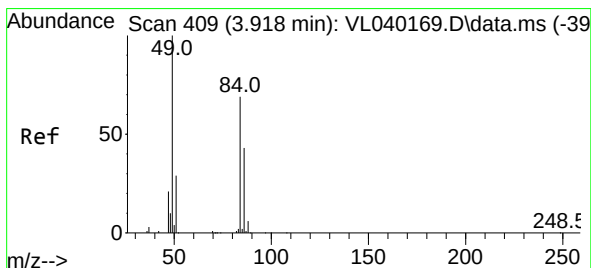
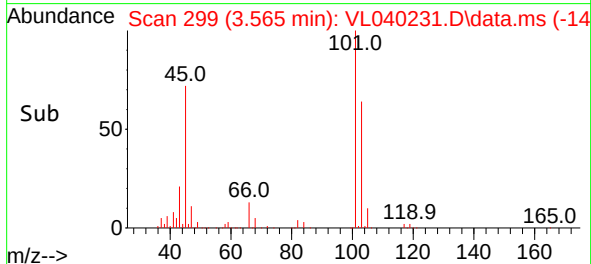
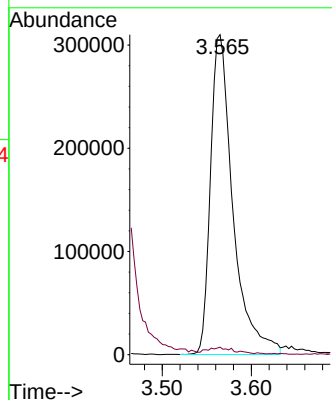
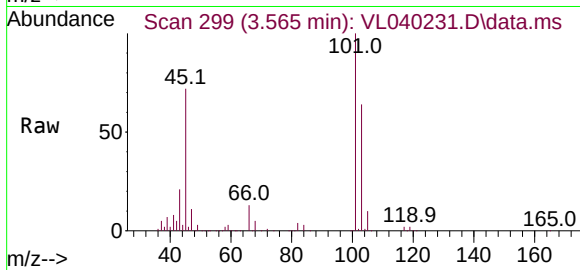




#19
Isopropyl Alcohol
Concen: 10.041 ppbv
RT: 3.565 min Scan# 297
Delta R.T. 0.000 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

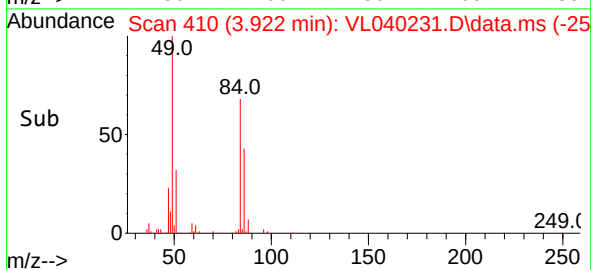
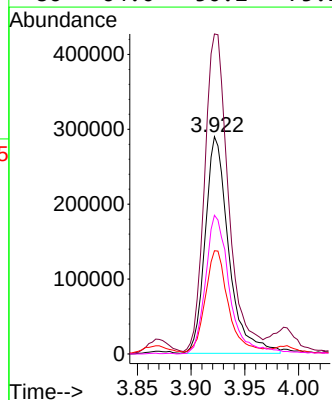
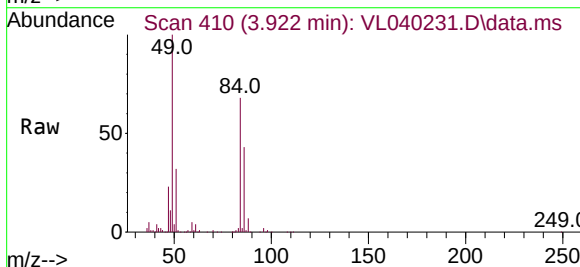
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

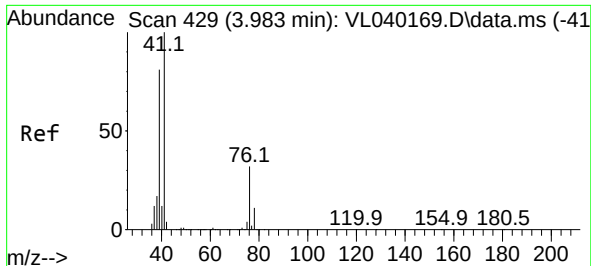
Tgt Ion: 45 Resp: 541294
Ion Ratio Lower Upper
45 100
58 3.1 2.6 3.8



#20
Methylene Chloride
Concen: 7.468 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.000 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion: 84 Resp: 440867
Ion Ratio Lower Upper
84 100
49 146.3 115.5 173.3
51 46.5 33.1 49.7
86 64.0 50.2 75.2

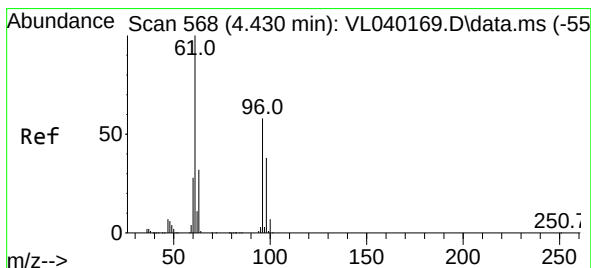
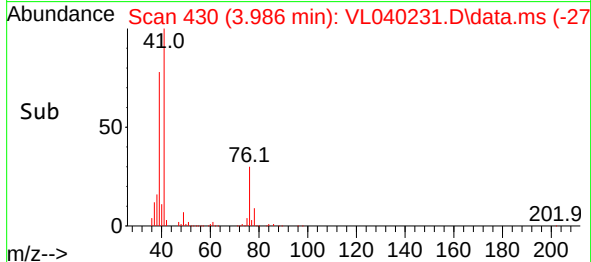
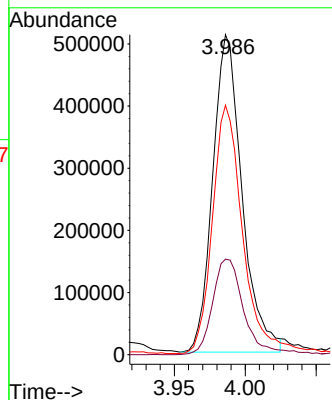
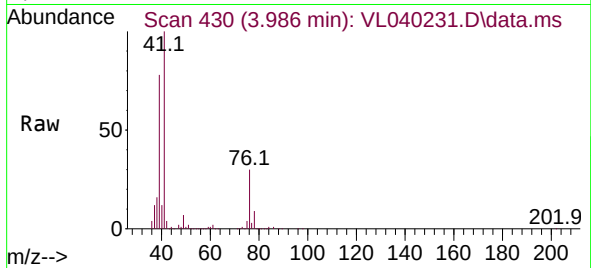




#21
 Allyl Chloride
 Concen: 10.559 ppbv
 RT: 3.986 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040231.D
 Acq: 27 Feb 2023 11:53

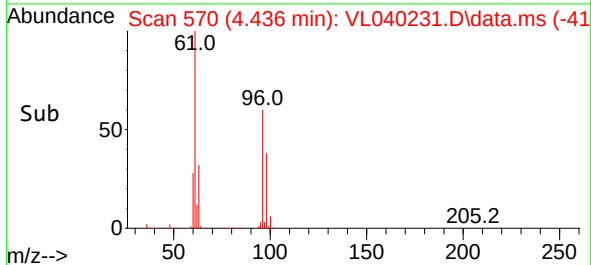
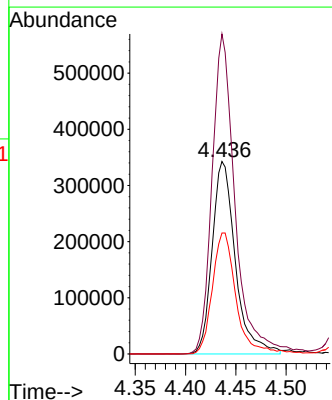
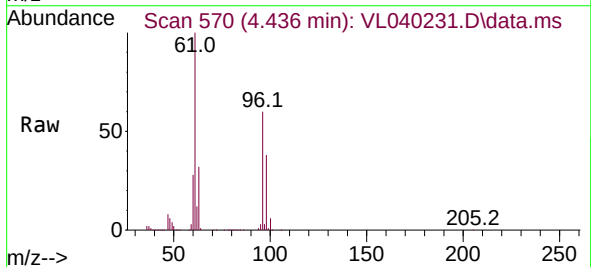
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

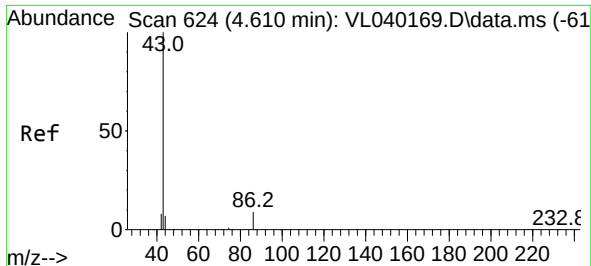
Tgt Ion: 41 Resp: 734449
 Ion Ratio Lower Upper
 41 100
 76 32.5 25.5 38.3
 39 82.3 64.5 96.7



#22
 trans-1,2-Dichloroethene
 Concen: 10.542 ppbv
 RT: 4.436 min Scan# 570
 Delta R.T. 0.000 min
 Lab File: VL040231.D
 Acq: 27 Feb 2023 11:53

Tgt Ion: 96 Resp: 551169
 Ion Ratio Lower Upper
 96 100
 61 166.3 137.5 206.3
 98 62.8 52.8 79.2



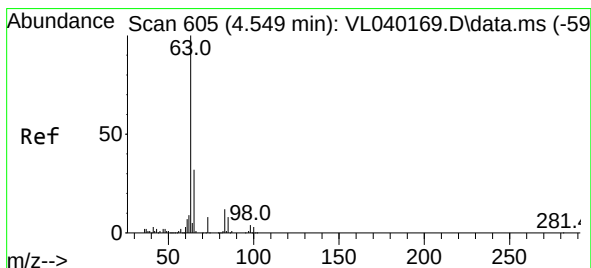
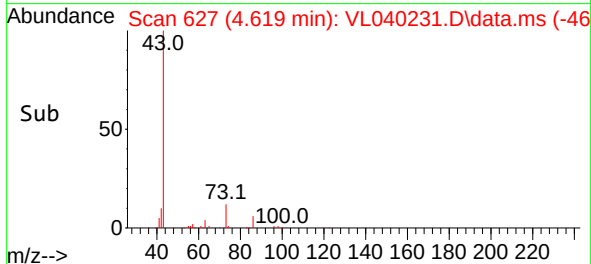
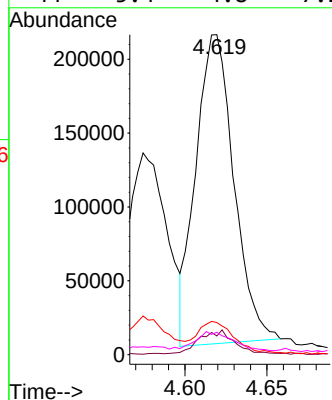
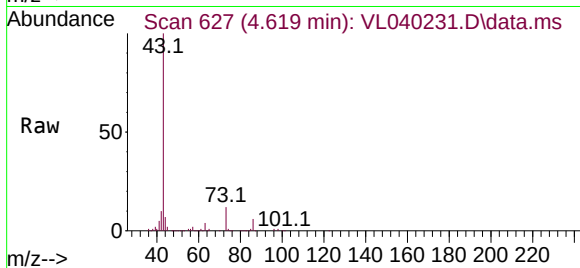


#23
 Vinyl Acetate
 Concen: 9.772 ppbv
 RT: 4.619 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: VL040231.D
 Acq: 27 Feb 2023 11:53

Instrument :
 MSVOA_1
 ClientSampleId :
 VL0227ABS01

Tgt Ion: 43 Resp: 336327

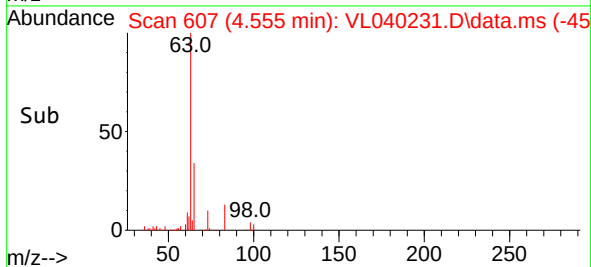
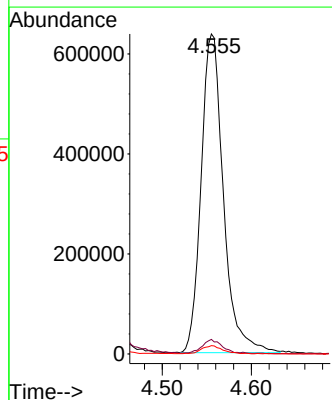
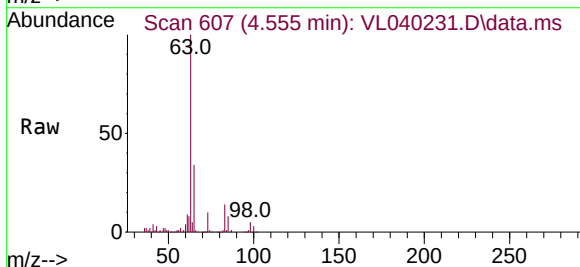
Ion	Ratio	Lower	Upper
43	100		
86	5.7	5.6	8.4
42	9.9	7.6	11.4
44	5.4	4.8	7.2

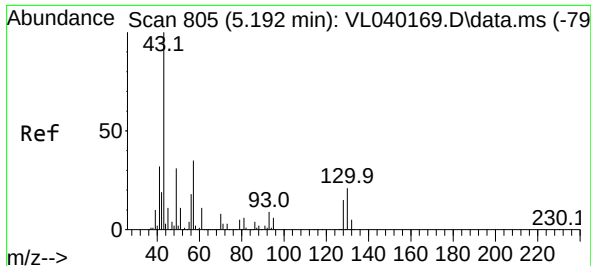


#24
 1,1-Dichloroethane
 Concen: 10.305 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. 0.003 min
 Lab File: VL040231.D
 Acq: 27 Feb 2023 11:53

Tgt Ion: 63 Resp: 1108625

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	2.6	1.4	4.0



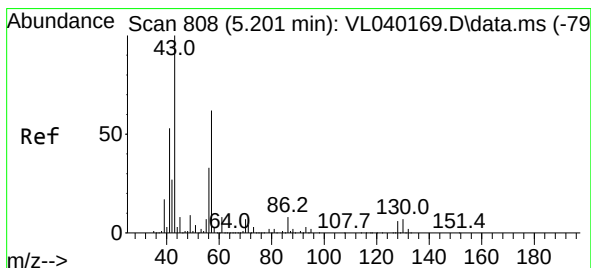
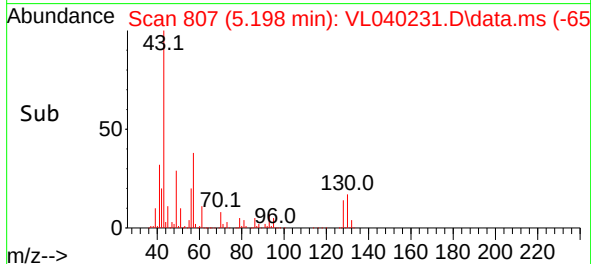
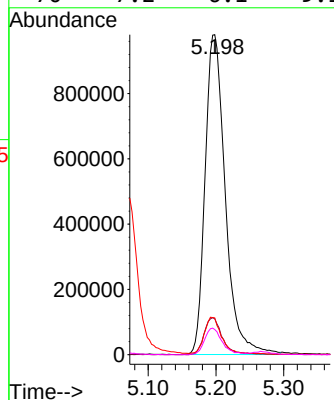
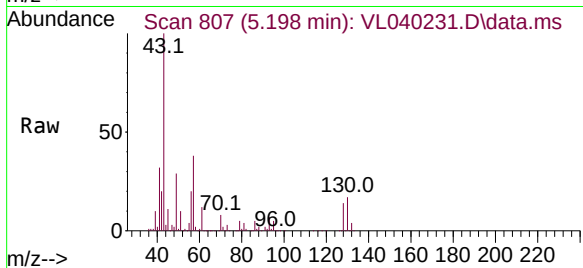


#25
Ethyl Acetate
Concen: 9.636 ppbv
RT: 5.198 min Scan# 805
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Instrument :
MSVOA_1
ClientSampleId :
VL0227ABS01

Tgt Ion: 43 Resp: 2031418

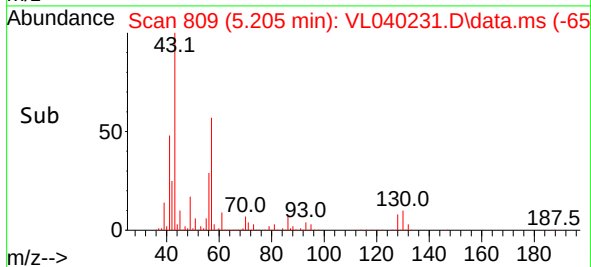
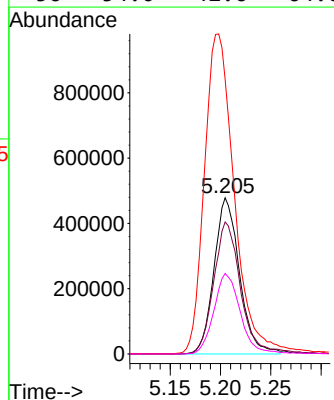
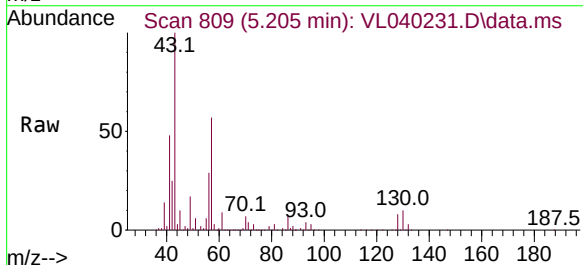
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.3	12.5
61	10.1	8.4	12.6
70	7.2	6.1	9.1

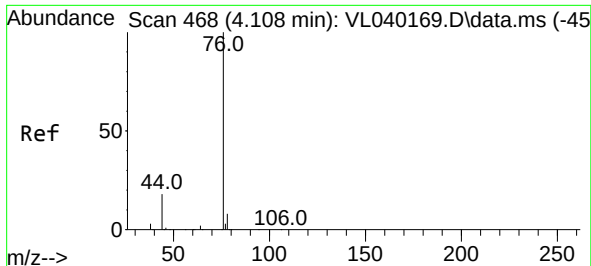


#26
Hexane
Concen: 9.314 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.000 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion: 57 Resp: 842952

Ion	Ratio	Lower	Upper
57	100		
41	90.1	74.3	111.5
43	242.5	193.0	289.4
56	54.0	42.6	64.0

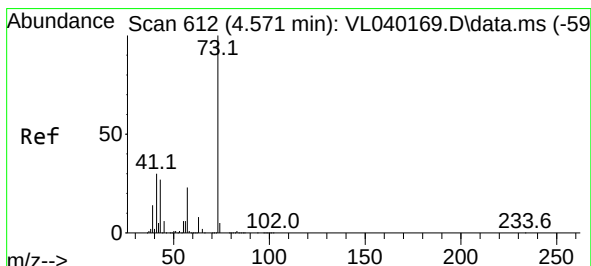
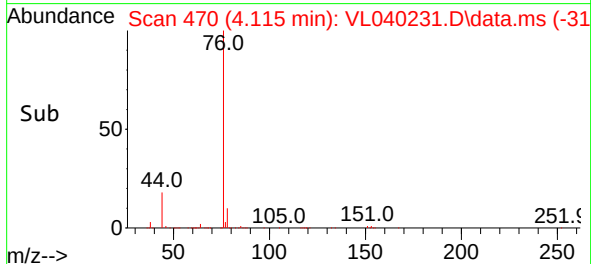
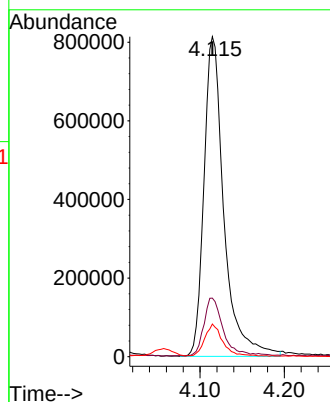
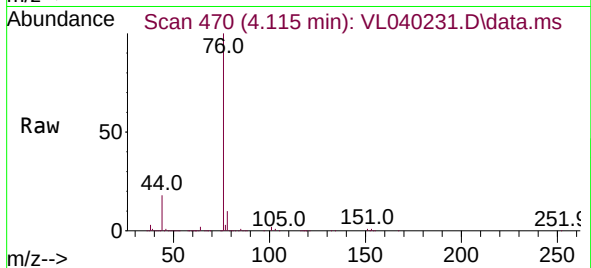




#27
Carbon Disulfide
Concen: 11.677 ppbv
RT: 4.115 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

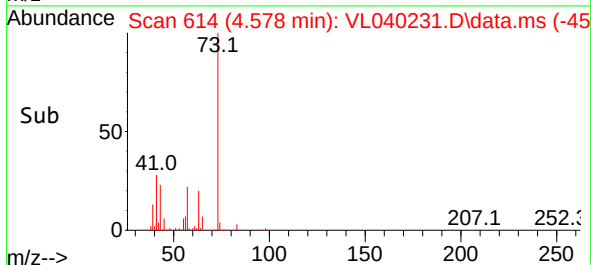
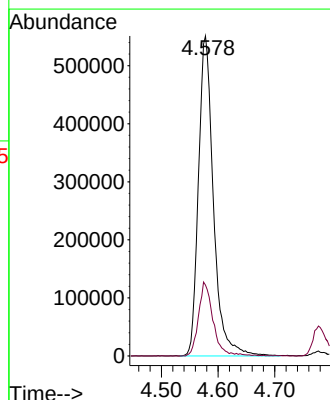
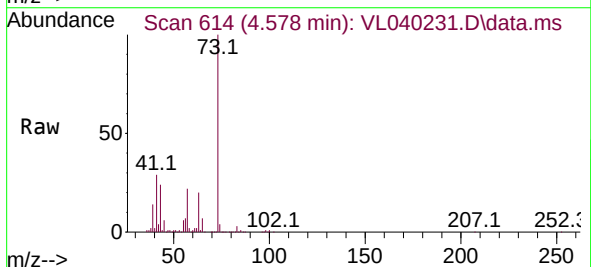
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

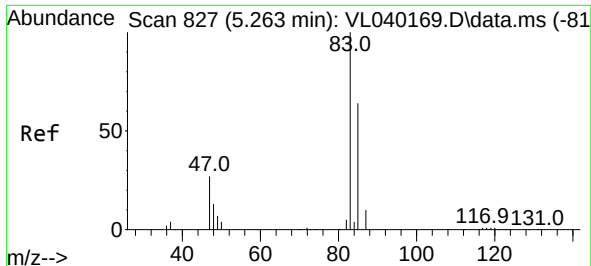
Tgt Ion: 76 Resp: 1340937
Ion Ratio Lower Upper
76 100
44 17.8 15.3 22.9
78 9.9 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 10.441 ppbv
RT: 4.578 min Scan# 614
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion: 73 Resp: 1012435
Ion Ratio Lower Upper
73 100
57 22.5 18.8 28.2

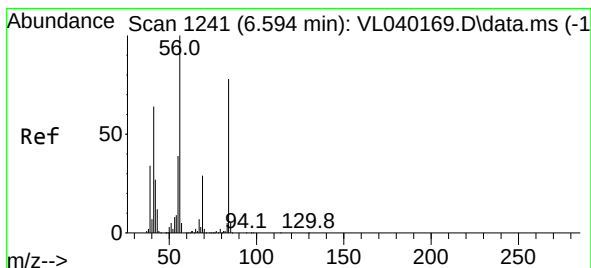
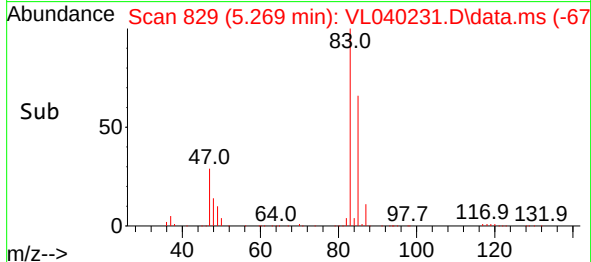
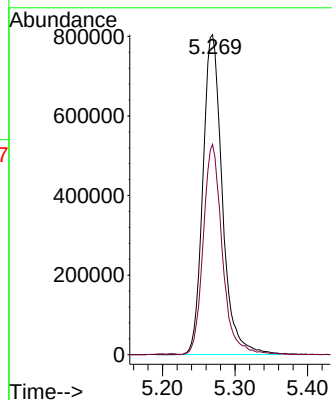
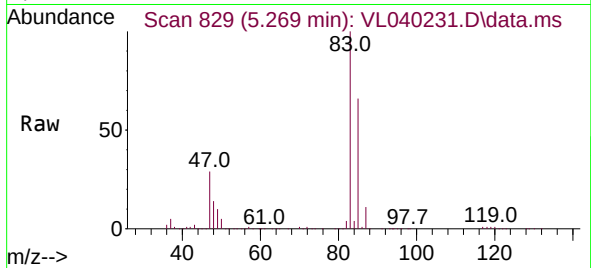




#29
Chloroform
Concen: 9.622 ppbv
RT: 5.269 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

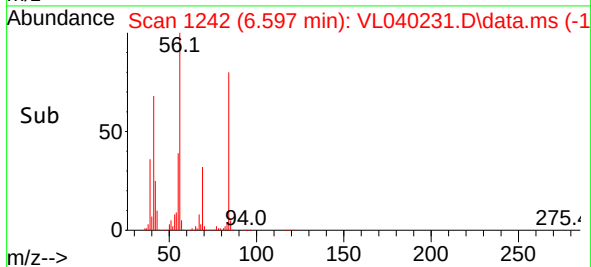
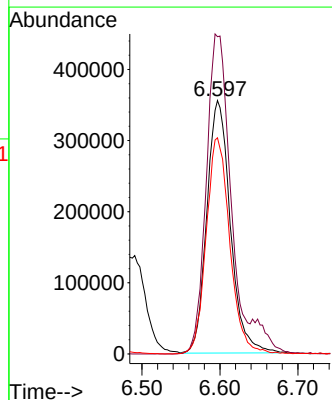
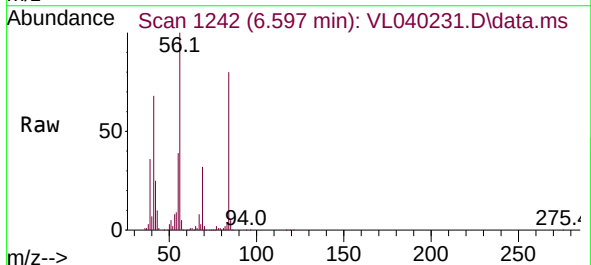
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

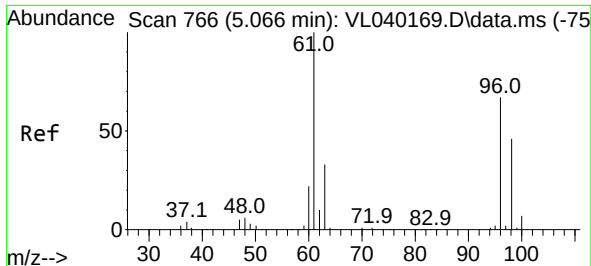
Tgt Ion: 83 Resp: 1495170
Ion Ratio Lower Upper
83 100
85 65.6 51.5 77.3



#30
Cyclohexane
Concen: 10.481 ppbv
RT: 6.597 min Scan# 1242
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion: 84 Resp: 744841
Ion Ratio Lower Upper
84 100
56 137.8 109.9 164.9
41 85.9 67.8 101.6

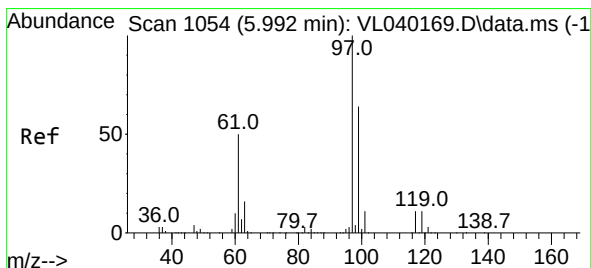
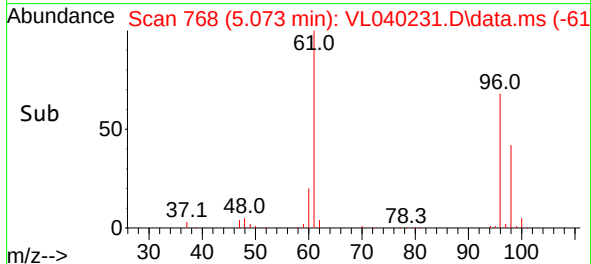
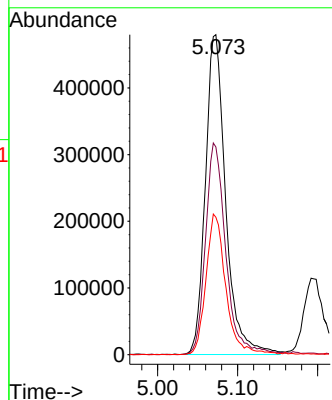
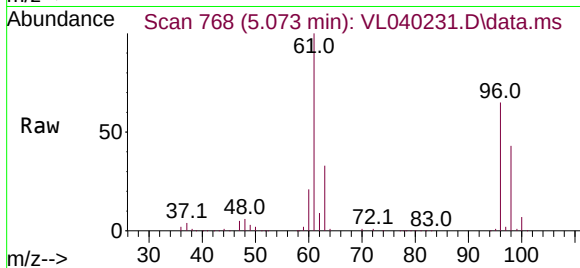




#31
 cis-1,2-Dichloroethene
 Concen: 9.850 ppbv
 RT: 5.073 min Scan# 766
 Delta R.T. 0.003 min
 Lab File: VL040231.D
 Acq: 27 Feb 2023 11:53

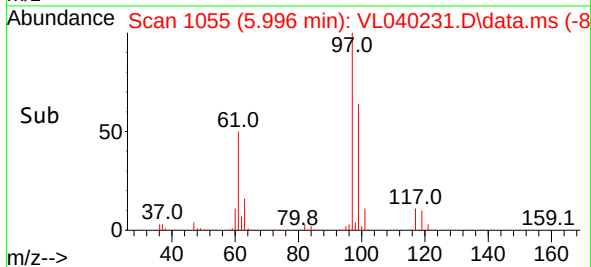
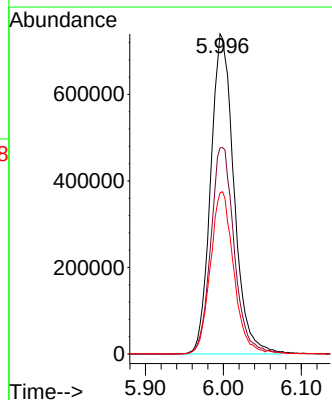
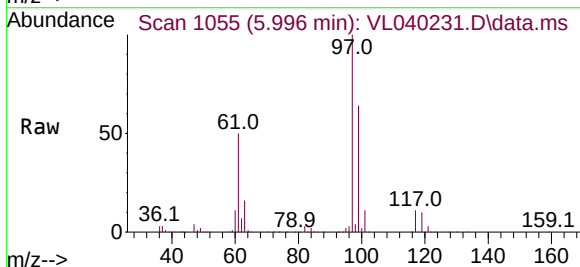
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0227ABS01

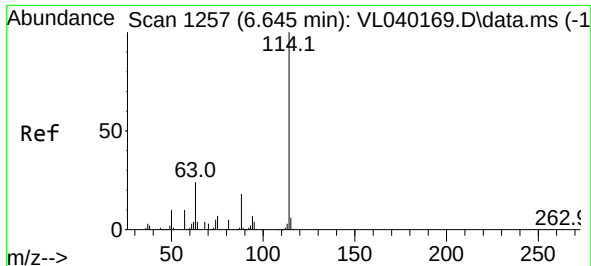
Tgt Ion: 61 Resp: 846996
 Ion Ratio Lower Upper
 61 100
 96 64.9 53.7 80.5
 98 42.9 36.4 54.6



#32
 1,1,1-Trichloroethane
 Concen: 10.518 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VL040231.D
 Acq: 27 Feb 2023 11:53

Tgt Ion: 97 Resp: 1535589
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.5 77.3
 61 50.9 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

Instrument :

MSVOA_1

ClientSampleId :

VL0227ABS01

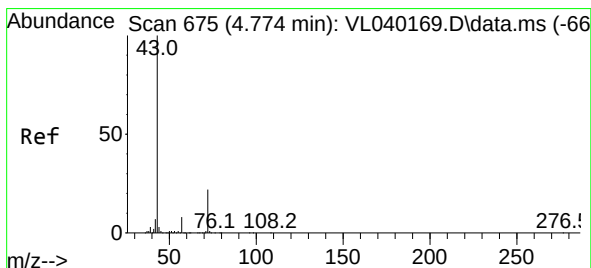
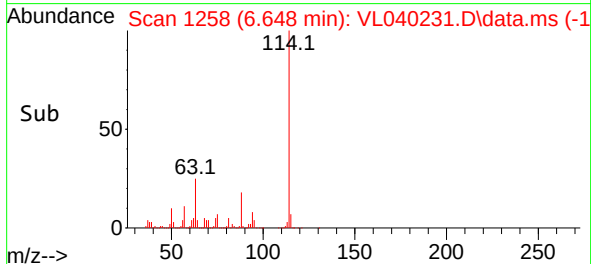
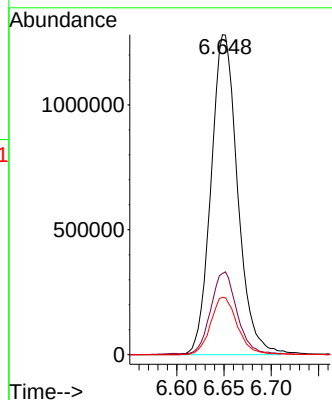
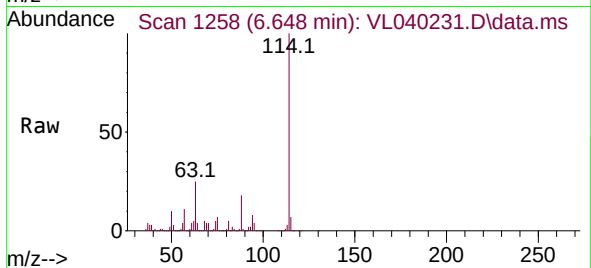
Tgt Ion:114 Resp: 2504381

Ion Ratio Lower Upper

114 100

63 26.3 20.4 30.6

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 9.607 ppbv

RT: 4.777 min Scan# 676

Delta R.T. 0.003 min

Lab File: VL040231.D

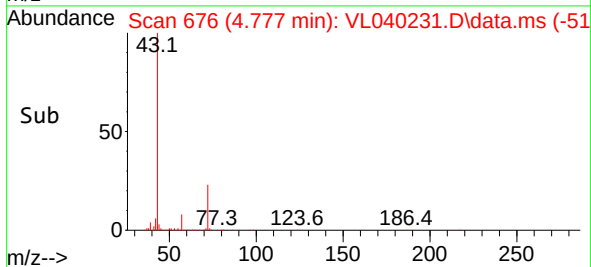
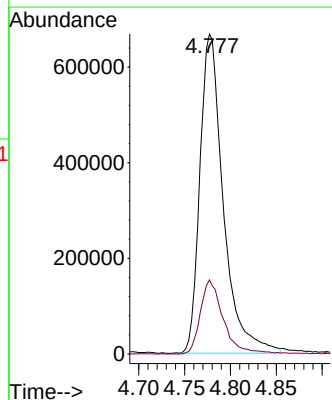
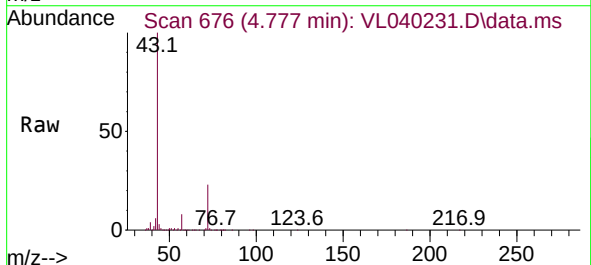
Acq: 27 Feb 2023 11:53

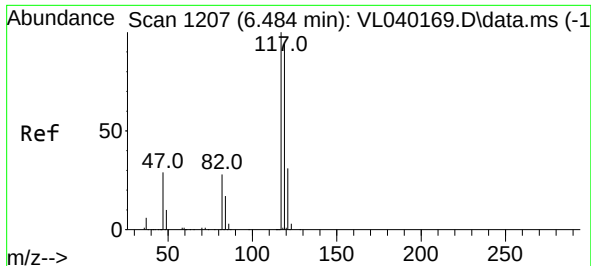
Tgt Ion: 43 Resp: 1186788

Ion Ratio Lower Upper

43 100

72 23.1 17.8 26.8

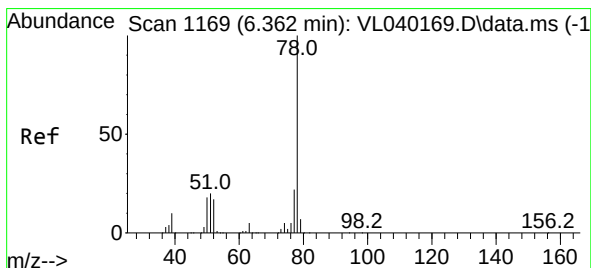
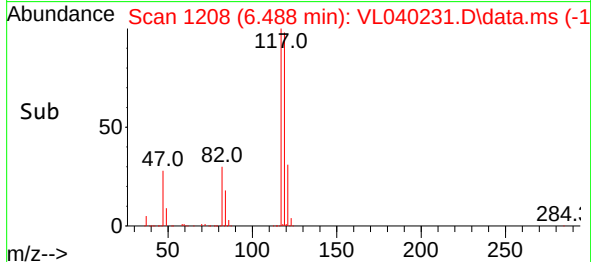
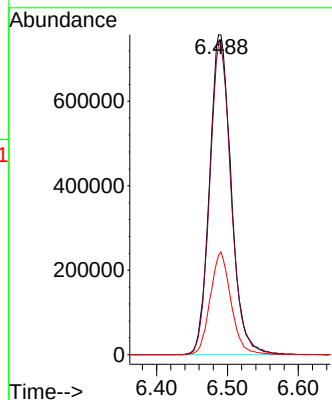
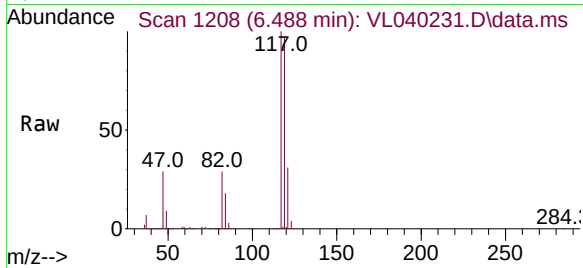




#35
Carbon Tetrachloride
Concen: 10.867 ppbv
RT: 6.488 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

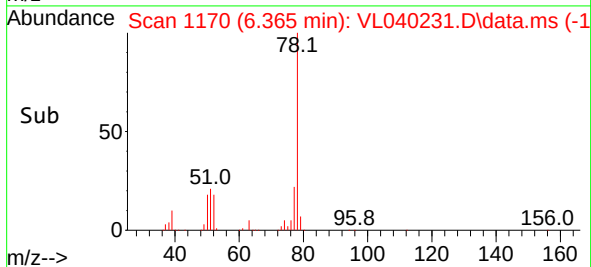
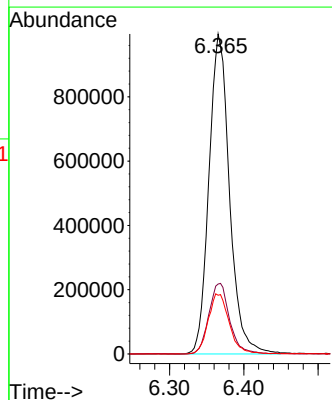
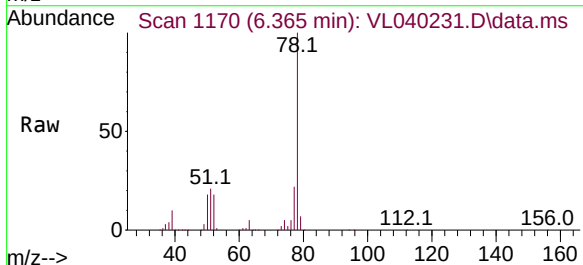
Instrument :
MSVOA_1
ClientSampleId :
VL0227ABS01

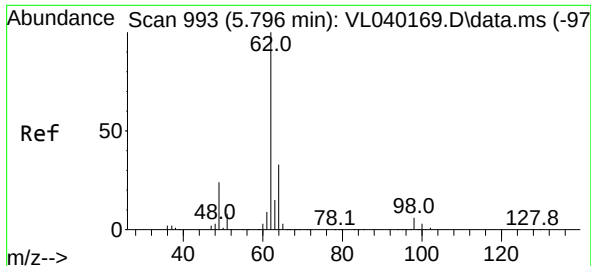
Tgt Ion:117 Resp: 1608921
Ion Ratio Lower Upper
117 100
119 97.0 75.0 112.6
121 31.1 25.0 37.4



#36
Benzene
Concen: 9.822 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion: 78 Resp: 1914167
Ion Ratio Lower Upper
78 100
77 21.9 17.5 26.3
50 18.4 14.6 22.0





#37

1,2-Dichloroethane

Concen: 9.845 ppbv

RT: 5.799 min Scan# 993

Delta R.T. 0.000 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

Instrument :

MSVOA_L

ClientSampleId :

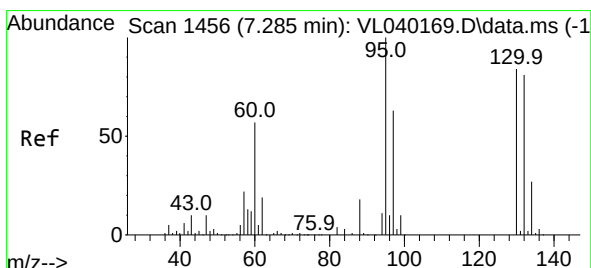
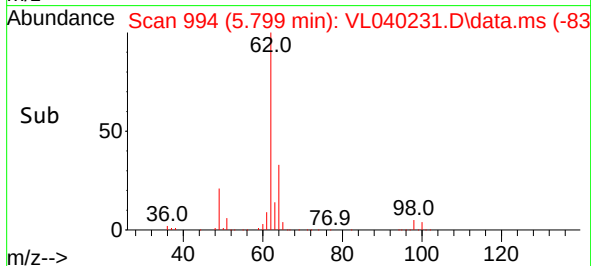
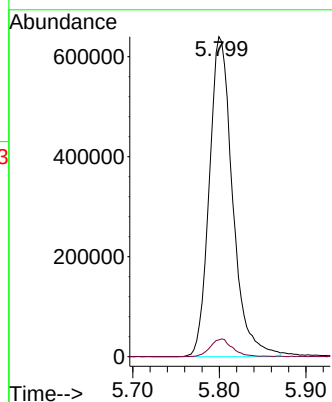
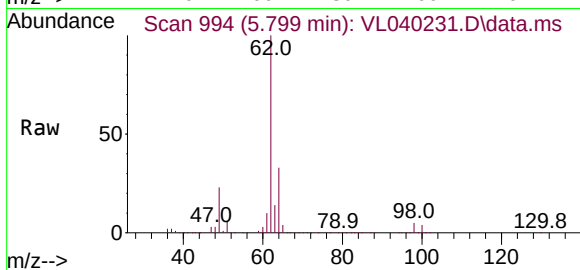
VL0227ABS01

Tgt Ion: 62 Resp: 1200012

Ion Ratio Lower Upper

62 100

98 5.4 4.7 7.1



#38

Trichloroethene

Concen: 10.590 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

Tgt Ion:130 Resp: 1137331

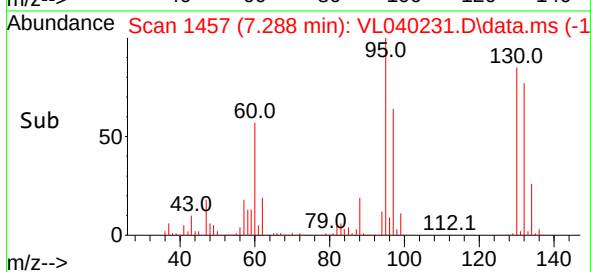
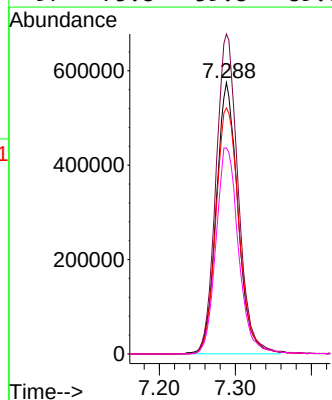
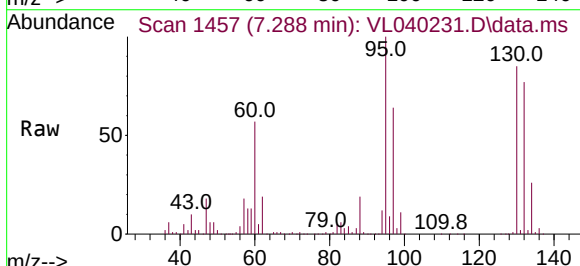
Ion Ratio Lower Upper

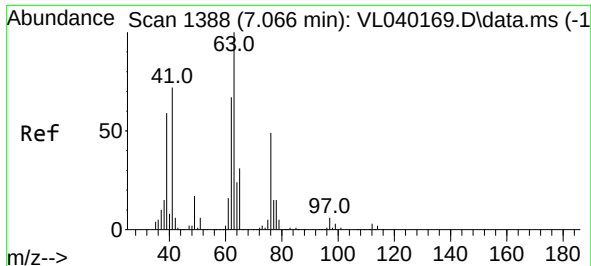
130 100

95 118.0 94.7 142.1

132 90.7 76.4 114.6

97 75.8 59.8 89.6





#39

1,2-Dichloropropane

Concen: 9.663 ppbv

RT: 7.069 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

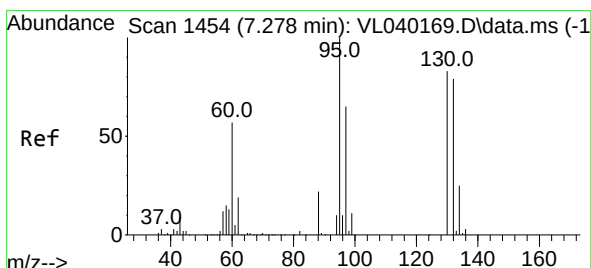
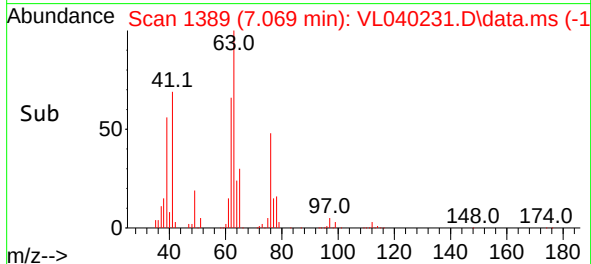
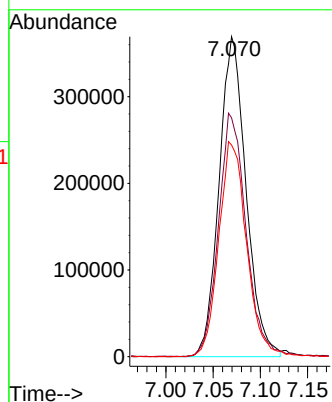
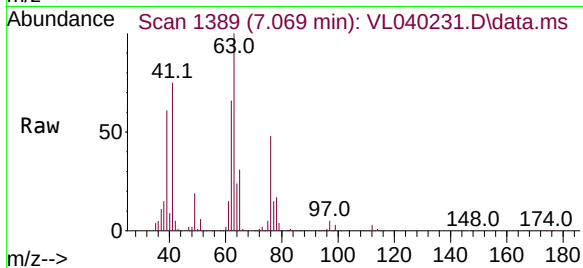
Tgt Ion: 63 Resp: 732611

Ion Ratio Lower Upper

63 100

41 74.5 57.6 86.4

62 66.1 54.0 81.0



#40

1,4-Dioxane

Concen: 9.534 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.003 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

Tgt Ion: 88 Resp: 289138

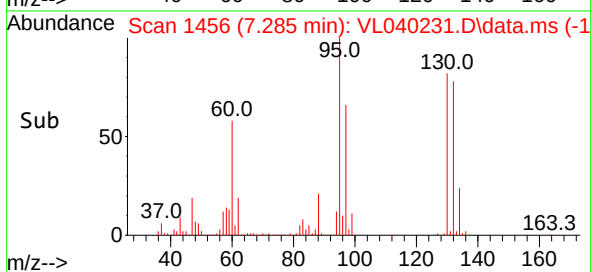
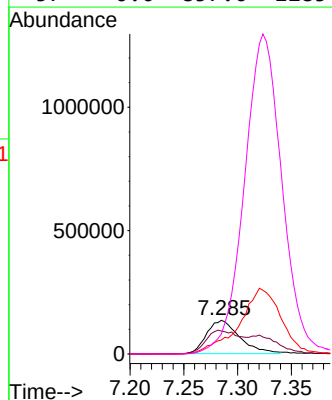
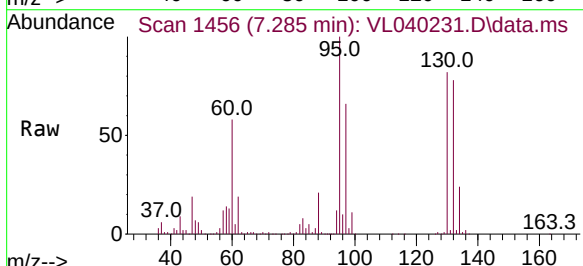
Ion Ratio Lower Upper

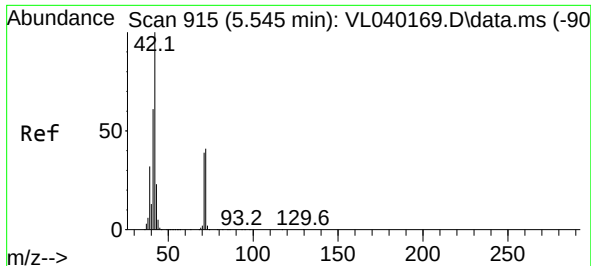
88 100

58 123.0 97.4 146.0

43 0.0 193.5 290.3#

57 0.0 857.0 1285.6#





#41

Tetrahydrofuran

Concen: 10.036 ppbv

RT: 5.549 min Scan# 915

Delta R.T. 0.000 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

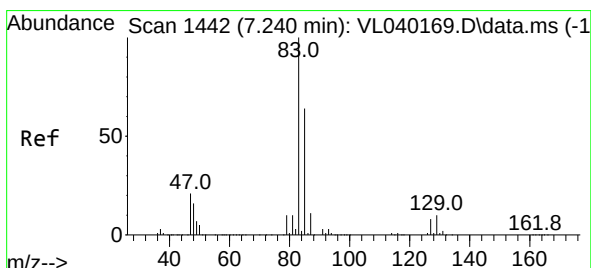
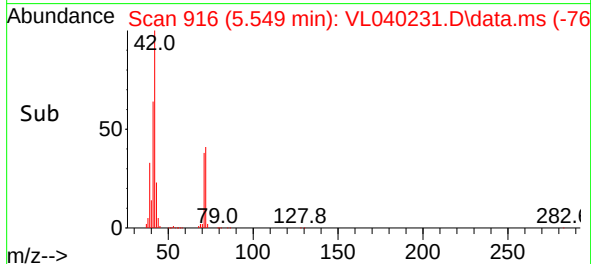
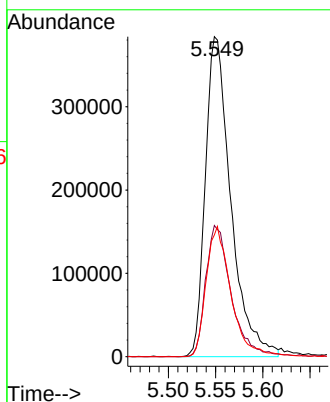
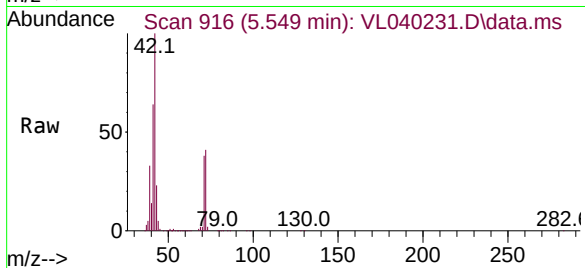
Tgt Ion: 42 Resp: 718469

Ion Ratio Lower Upper

42 100

72 41.4 33.0 49.4

71 40.1 31.4 47.2



#42

Bromodichloromethane

Concen: 10.296 ppbv

RT: 7.246 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

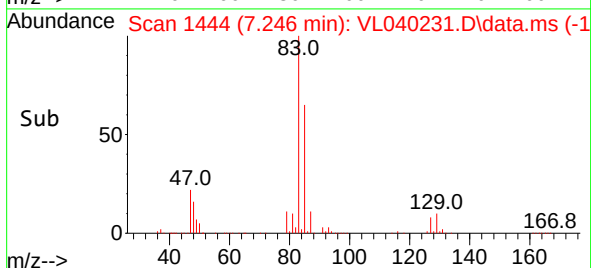
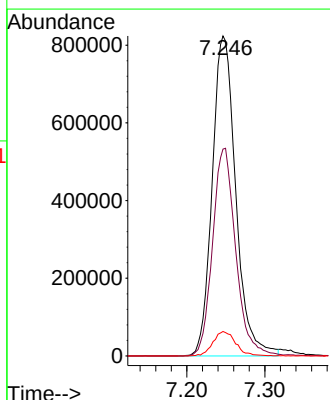
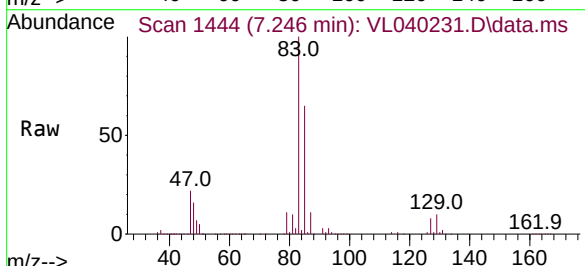
Tgt Ion: 83 Resp: 1732195

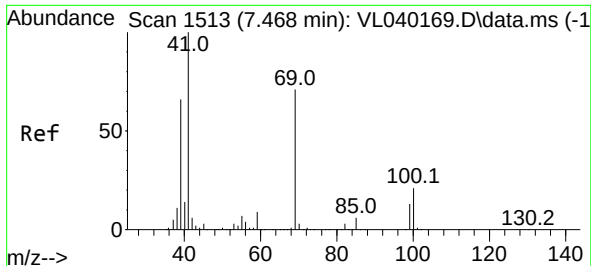
Ion Ratio Lower Upper

83 100

85 64.7 50.9 76.3

127 7.6 6.2 9.2

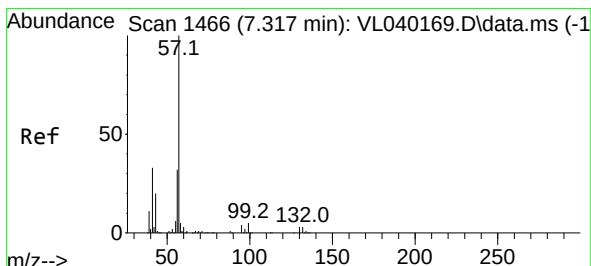
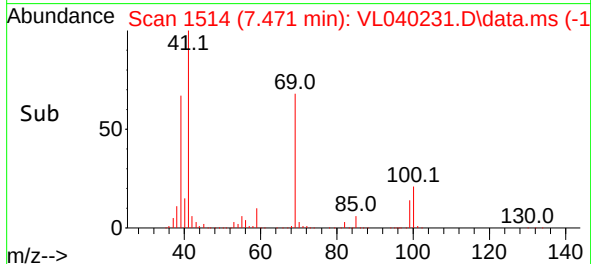
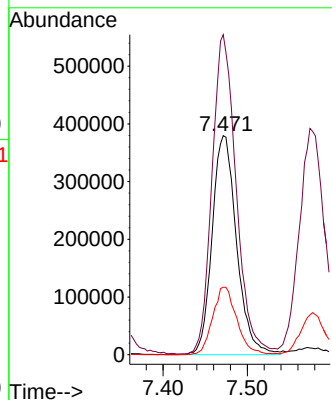
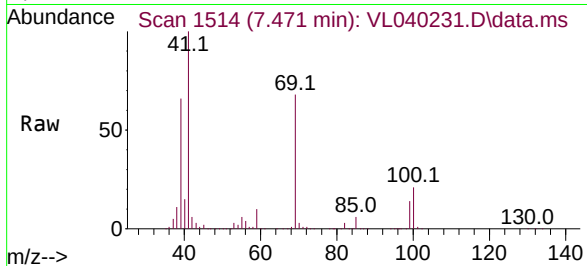




#43
Methyl Methacrylate
Concen: 10.614 ppbv
RT: 7.471 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

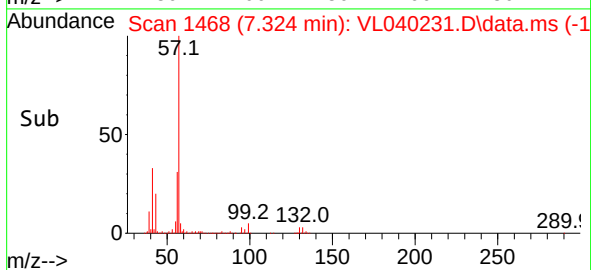
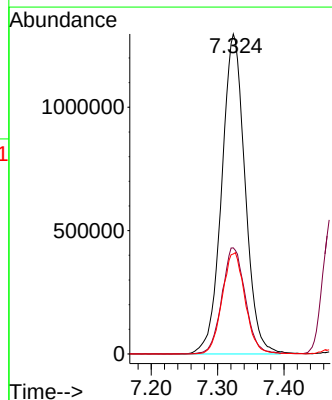
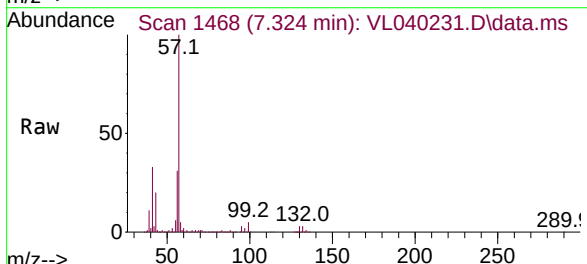
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

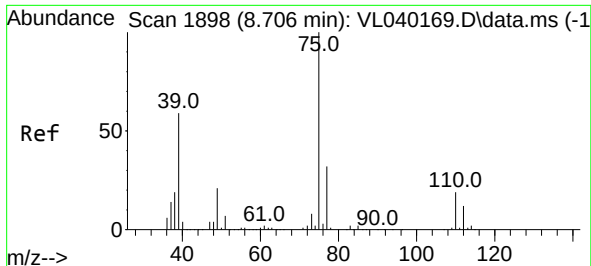
Tgt Ion: 69 Resp: 765399
Ion Ratio Lower Upper
69 100
41 144.0 116.6 174.8
100 30.5 25.6 38.4



#44
2,2,4-Trimethylpentane
Concen: 9.728 ppbv
RT: 7.324 min Scan# 1468
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion: 57 Resp: 3164874
Ion Ratio Lower Upper
57 100
41 33.1 26.2 39.4
56 31.3 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 11.279 ppbv

RT: 8.709 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

Instrument :

MSVOA_1

ClientSampleId :

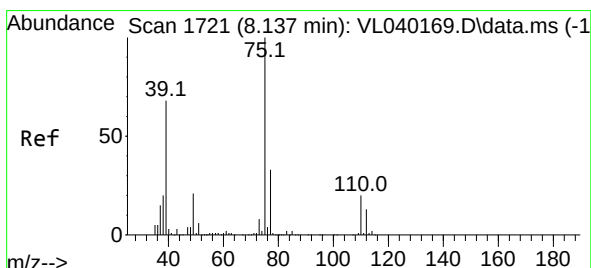
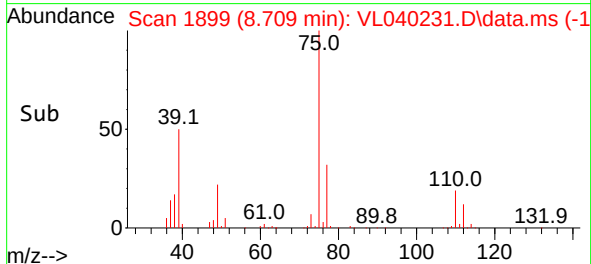
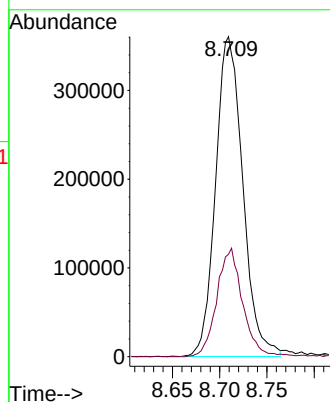
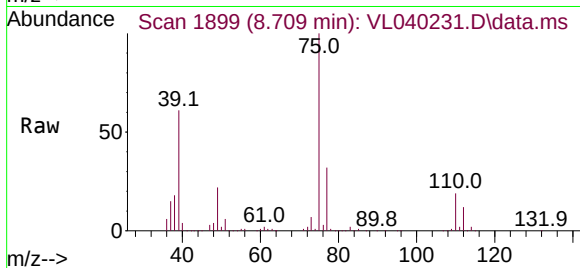
VL0227ABS01

Tgt Ion: 75 Resp: 721513

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#46

cis-1,3-Dichloropropene

Concen: 11.023 ppbv

RT: 8.140 min Scan# 1722

Delta R.T. 0.000 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

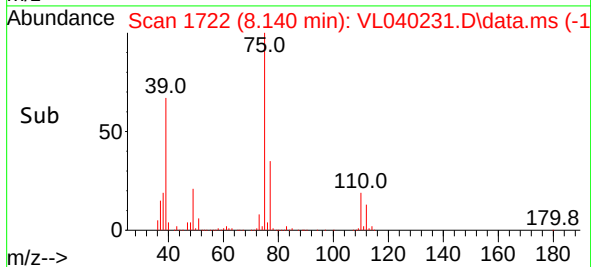
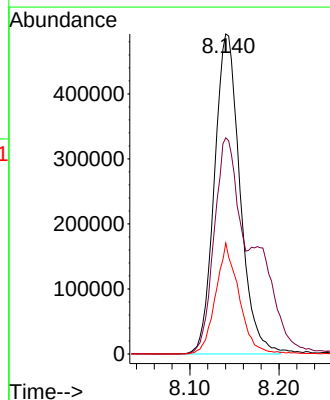
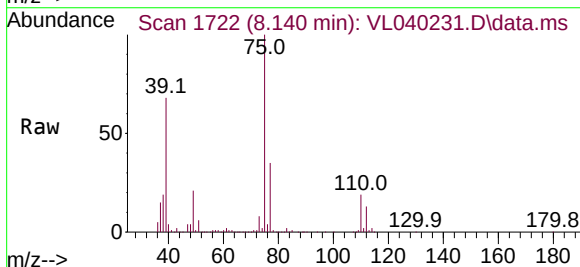
Tgt Ion: 75 Resp: 982376

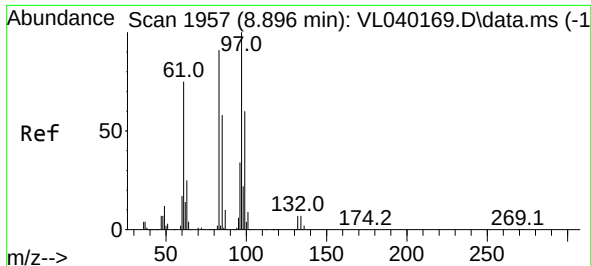
Ion Ratio Lower Upper

75 100

39 67.5 54.2 81.2

77 34.7 26.0 39.0

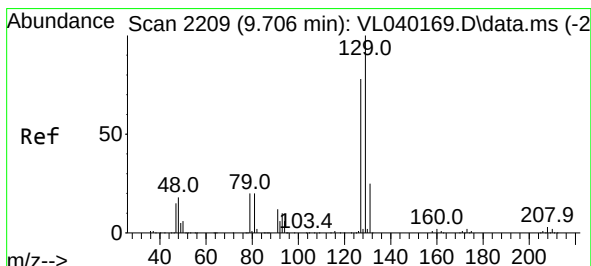
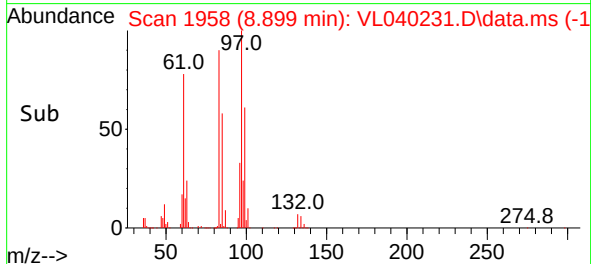
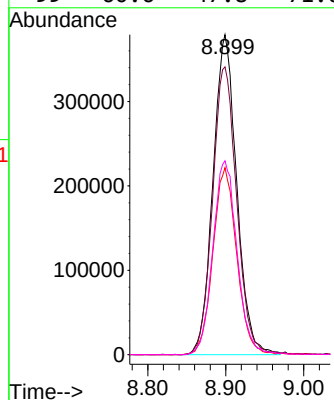
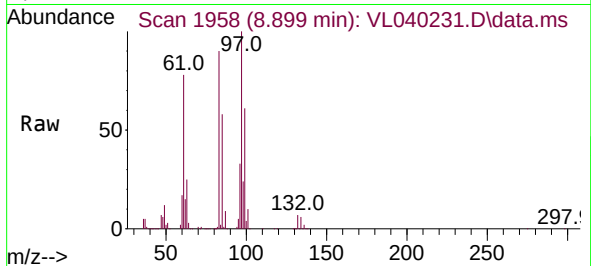




#47
1,1,2-Trichloroethane
Concen: 9.754 ppbv
RT: 8.899 min Scan# 1957
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

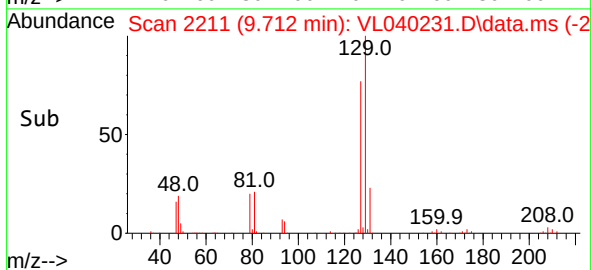
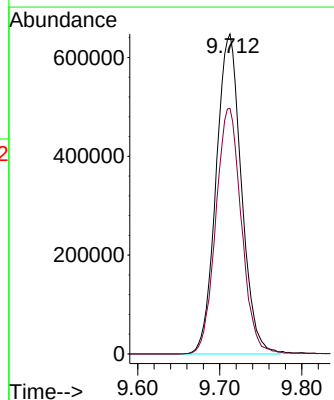
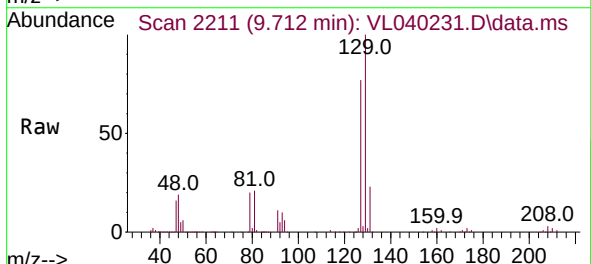
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

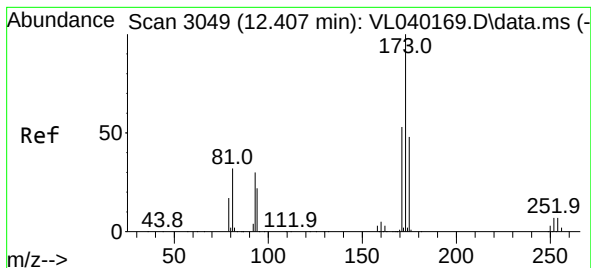
Tgt Ion: 97 Resp: 799888
Ion Ratio Lower Upper
97 100
83 89.9 72.8 109.2
85 58.5 46.6 69.8
99 60.6 47.8 71.6



#48
Dibromochloromethane
Concen: 10.571 ppbv
RT: 9.712 min Scan# 2211
Delta R.T. 0.007 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion: 129 Resp: 1386491
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#49

Bromoform

Concen: 10.546 ppbv

RT: 12.410 min Scan# 3049

Delta R.T. 0.003 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

Instrument :

MSVOA_1

ClientSampleId :

VL0227ABS01

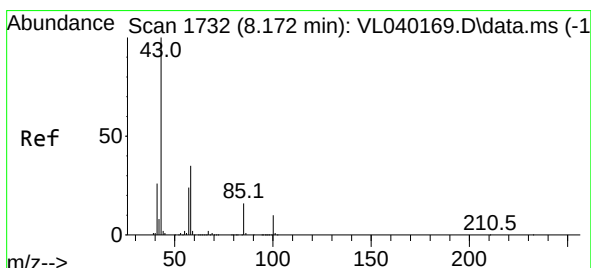
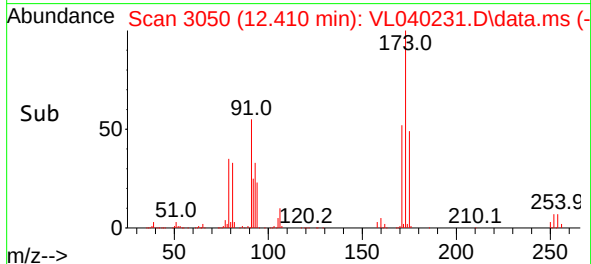
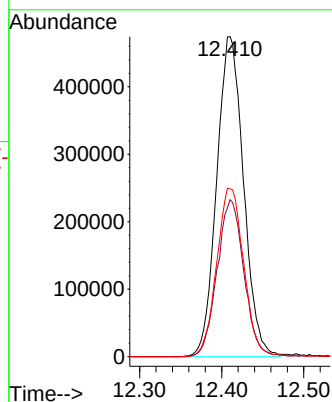
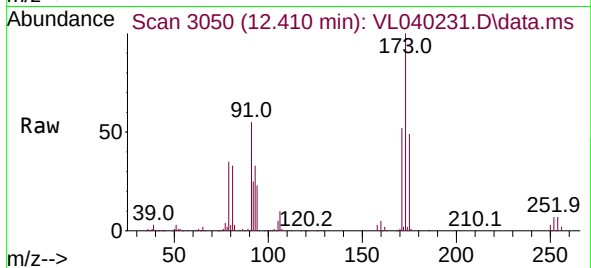
Tgt Ion:173 Resp: 1079646

Ion Ratio Lower Upper

173 100

175 49.1 39.4 59.0

171 53.4 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 10.251 ppbv

RT: 8.179 min Scan# 1734

Delta R.T. 0.003 min

Lab File: VL040231.D

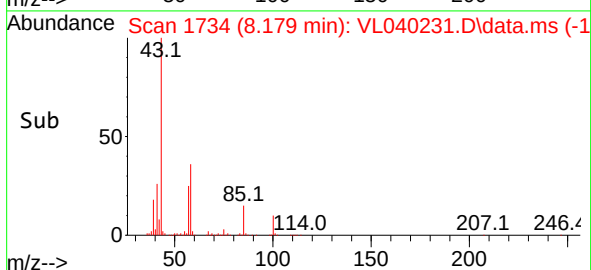
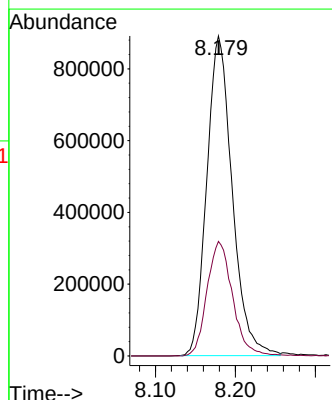
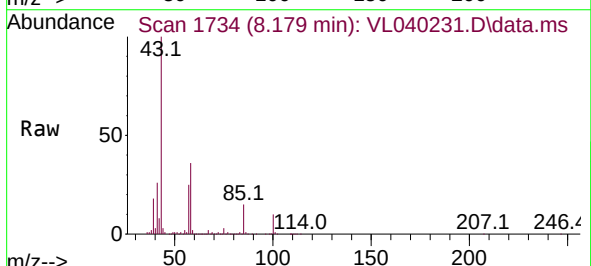
Acq: 27 Feb 2023 11:53

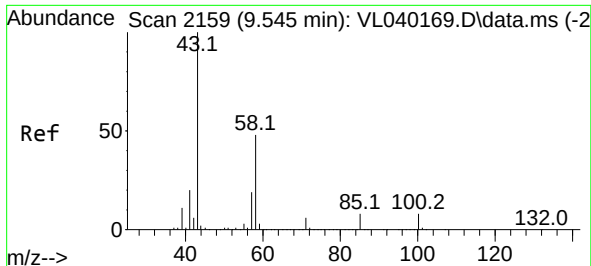
Tgt Ion: 43 Resp: 1966322

Ion Ratio Lower Upper

43 100

58 36.2 29.2 43.8

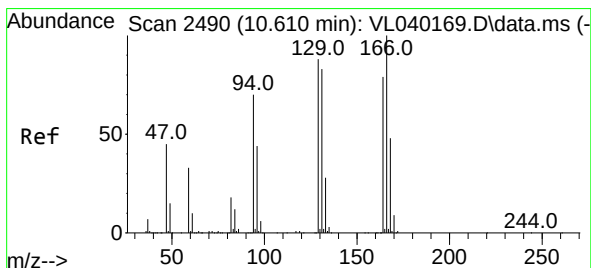
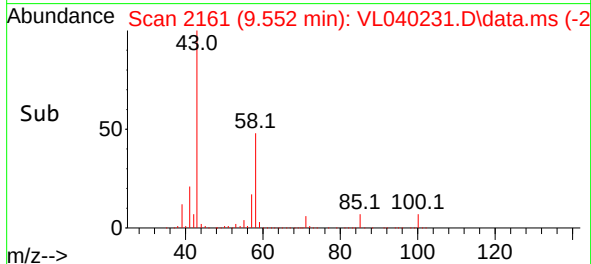
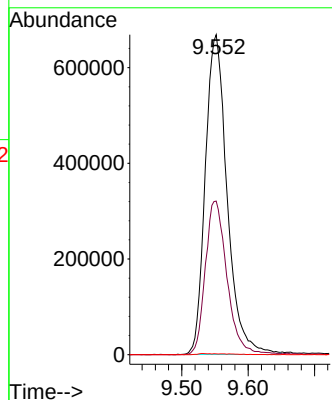
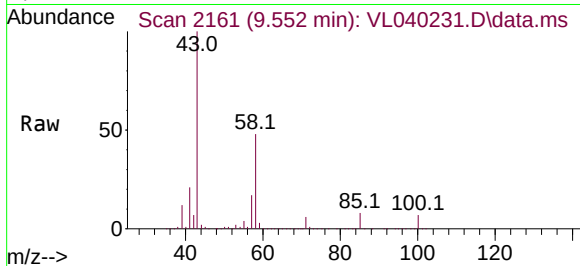




#51
2-Hexanone
Concen: 10.382 ppbv
RT: 9.552 min Scan# 2159
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

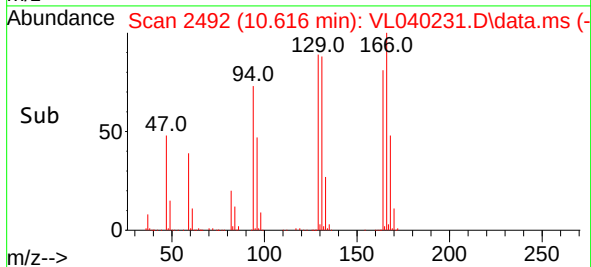
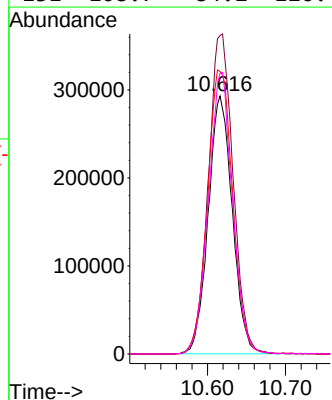
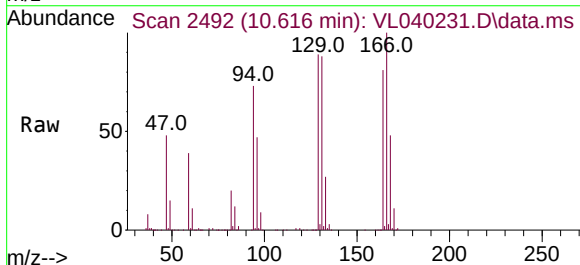
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

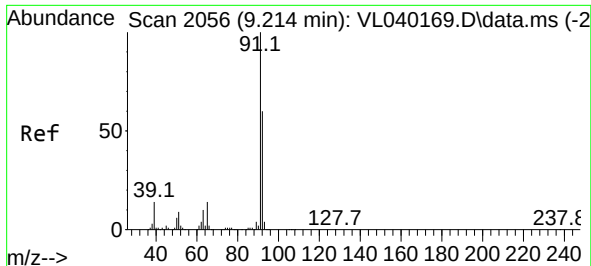
Tgt Ion: 43 Resp: 1531499
Ion Ratio Lower Upper
43 100
58 47.9 39.1 58.7
98 0.5 0.2 0.4#



#52
Tetrachloroethene
Concen: 10.317 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. -0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion:164 Resp: 627865
Ion Ratio Lower Upper
164 100
166 123.4 101.5 152.3
129 109.4 89.0 133.4
131 108.7 84.2 126.4

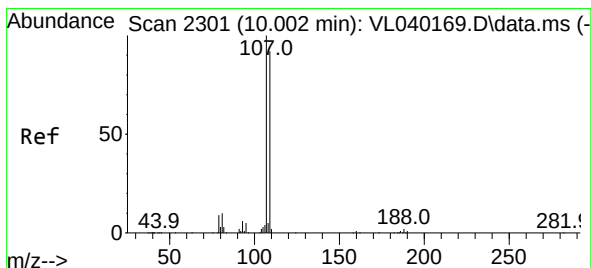
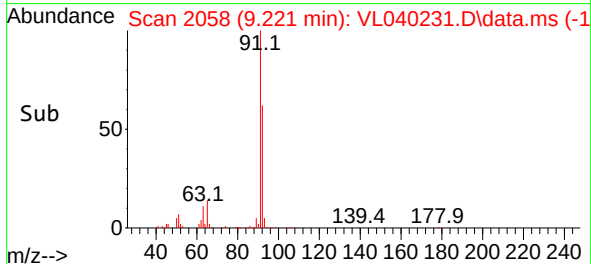
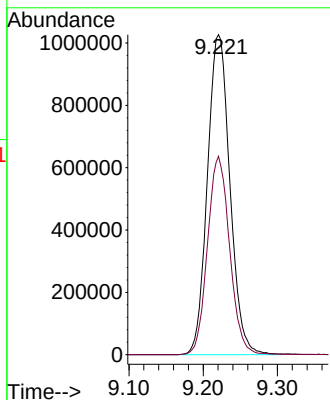
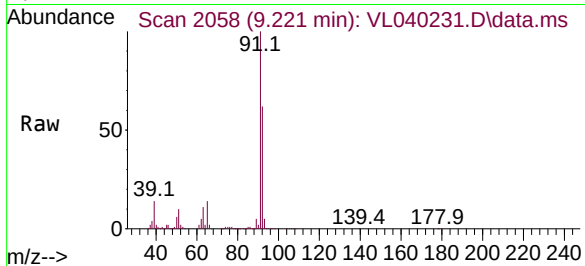




#53
Toluene
Concen: 10.364 ppbv
RT: 9.221 min Scan# 2056
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

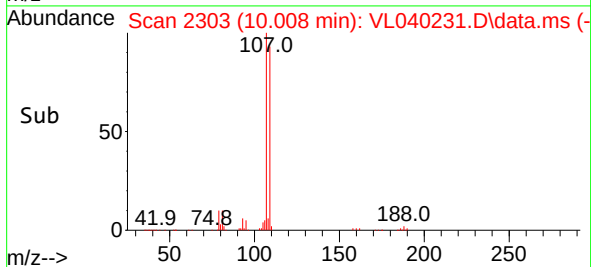
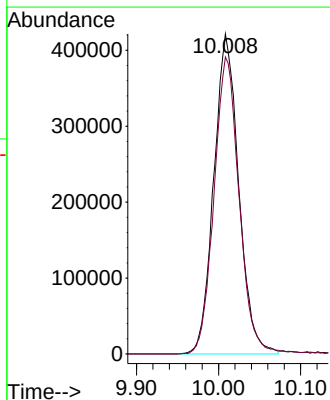
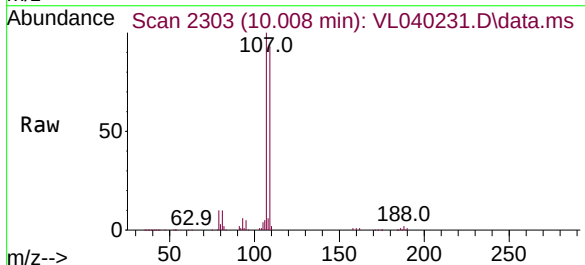
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

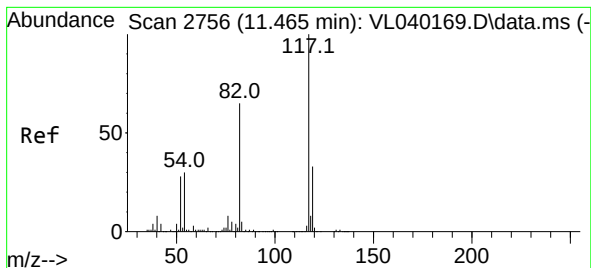
Tgt Ion: 91 Resp: 2163540
Ion Ratio Lower Upper
91 100
92 61.0 48.9 73.3



#54
1,2-Dibromoethane
Concen: 10.398 ppbv
RT: 10.008 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion: 107 Resp: 887188
Ion Ratio Lower Upper
107 100
109 92.8 73.8 110.8

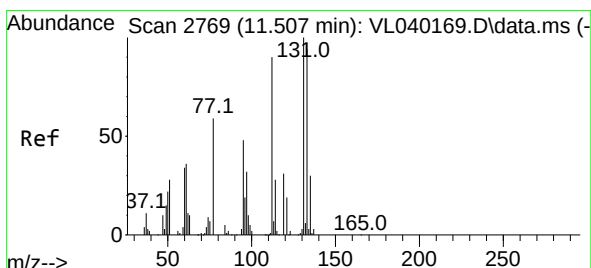
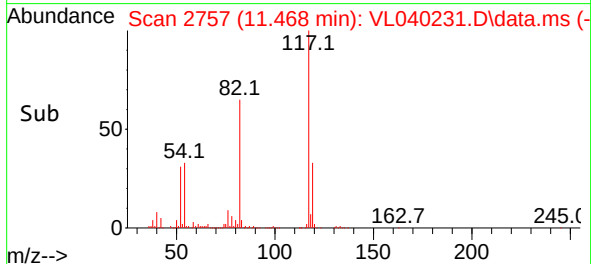
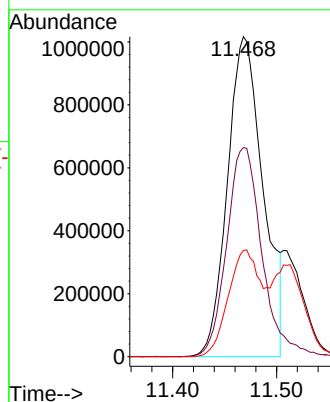
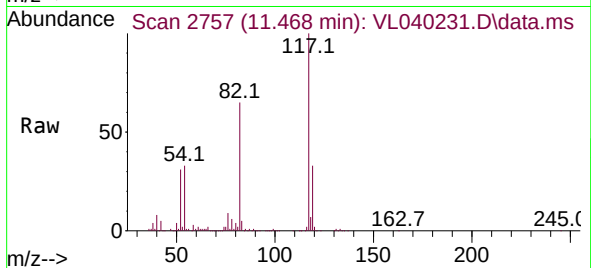




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

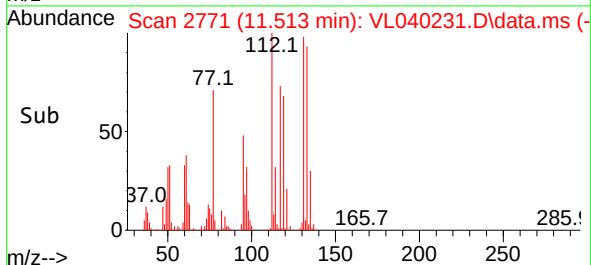
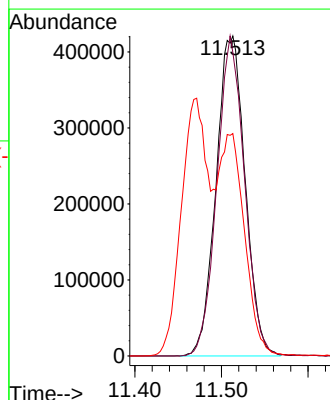
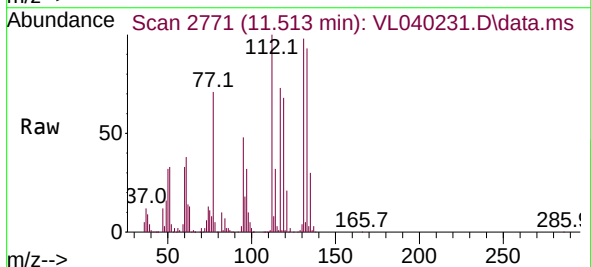
Instrument :
MSVOA_1
ClientSampleId :
VL0227ABS01

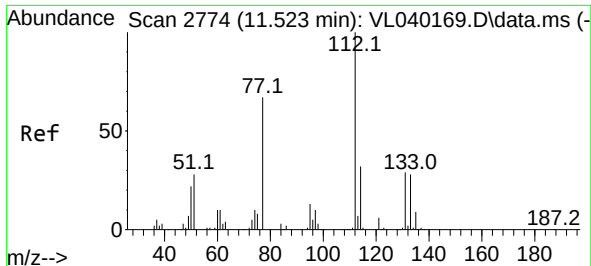
Tgt Ion:117 Resp: 2422374
Ion Ratio Lower Upper
117 100
82 64.9 53.3 79.9
119 30.7 24.6 37.0



#56
1,1,1,2-Tetrachloroethane
Concen: 9.645 ppbv
RT: 11.513 min Scan# 2771
Delta R.T. 0.007 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion:131 Resp: 980739
Ion Ratio Lower Upper
131 100
133 95.1 76.2 114.2
119 68.4 45.4 68.0#





#57

Chlorobenzene

Concen: 9.388 ppbv

RT: 11.529 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

Instrument :

MSVOA_1

ClientSampleId :

VL0227ABS01

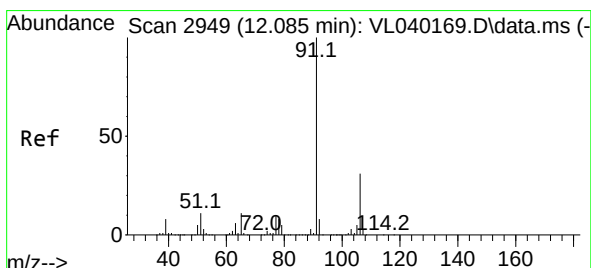
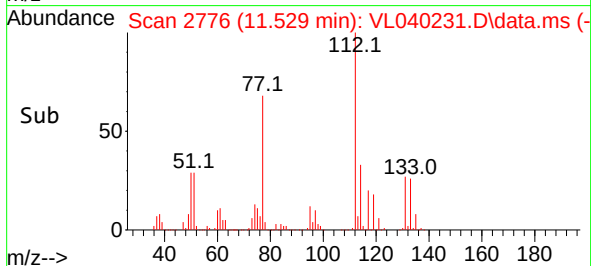
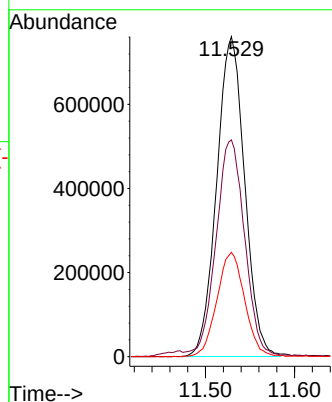
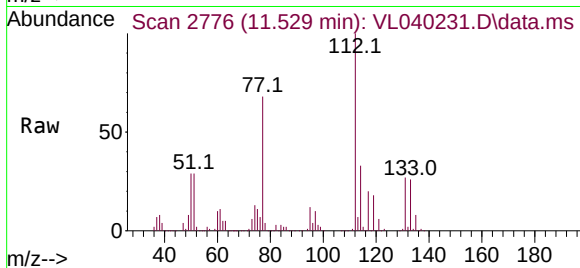
Tgt Ion:112 Resp: 1661380

Ion Ratio Lower Upper

112 100

77 67.2 55.0 82.4

114 32.6 29.0 35.4



#58

Ethyl Benzene

Concen: 10.118 ppbv

RT: 12.092 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VL040231.D

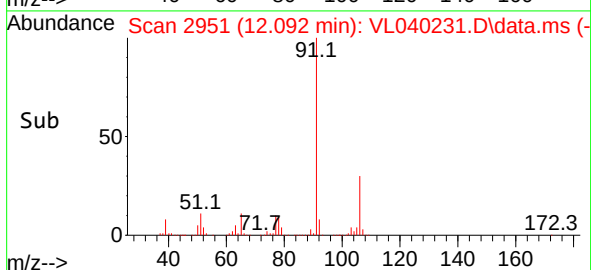
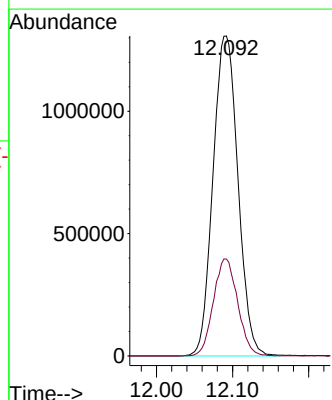
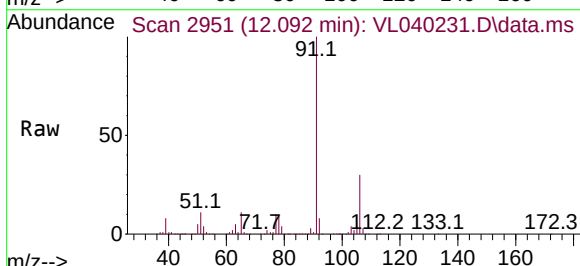
Acq: 27 Feb 2023 11:53

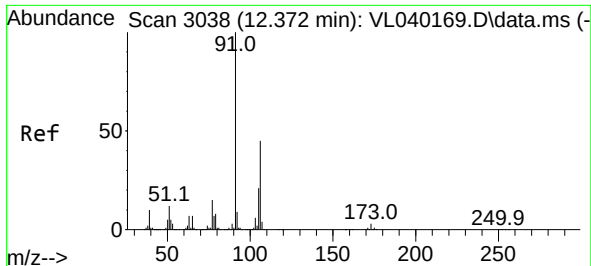
Tgt Ion: 91 Resp: 2977902

Ion Ratio Lower Upper

91 100

106 30.3 24.9 37.3





#59

m/p-Xylene

Concen: 11.823 ppbv

RT: 12.375 min Scan# 3038

Delta R.T. 0.000 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

Instrument :

MSVOA_L

ClientSampleId :

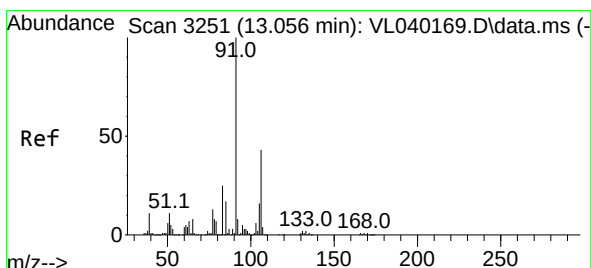
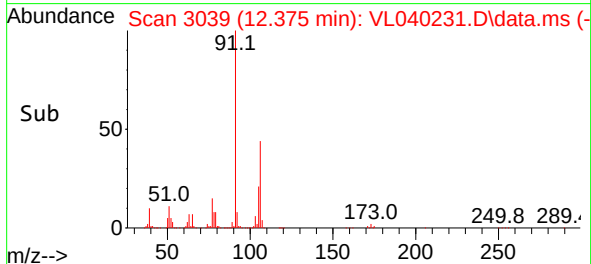
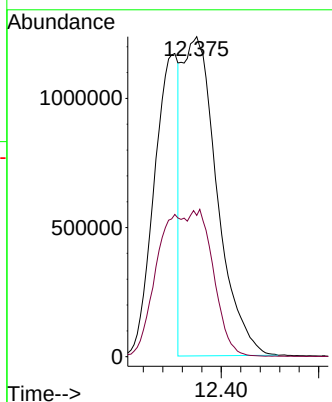
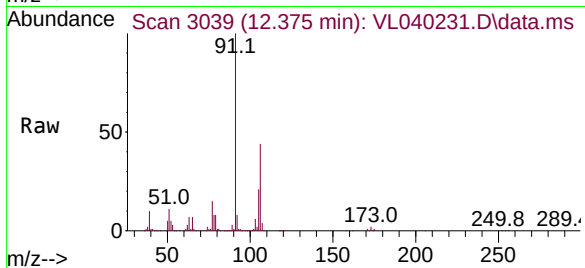
VL0227ABS01

Tgt Ion: 91 Resp: 3081968

Ion Ratio Lower Upper

91 100

106 71.5 34.6 51.8#



#60

o-Xylene

Concen: 9.887 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.003 min

Lab File: VL040231.D

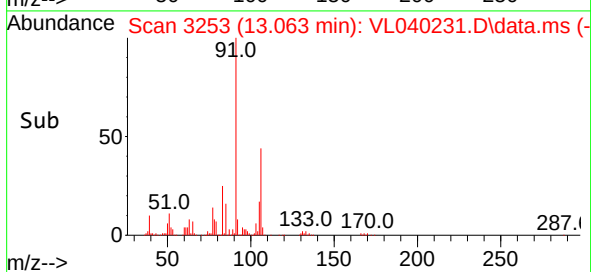
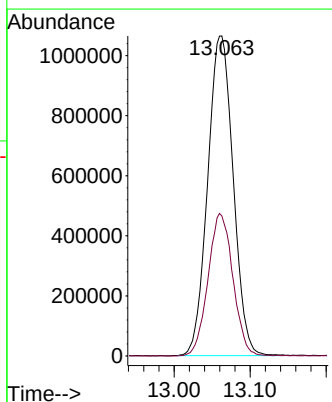
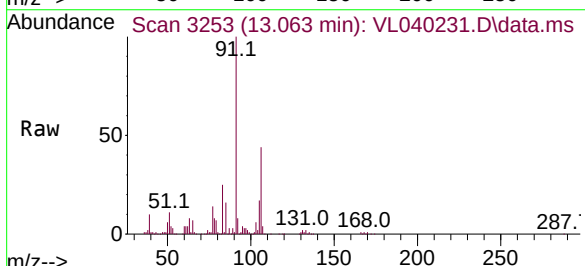
Acq: 27 Feb 2023 11:53

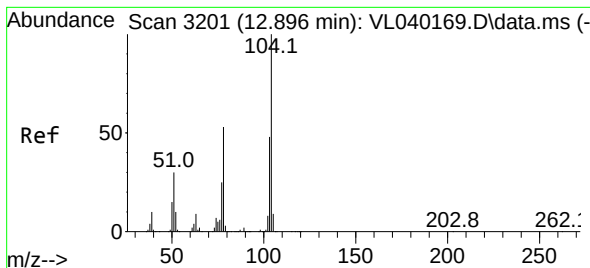
Tgt Ion: 91 Resp: 2479955

Ion Ratio Lower Upper

91 100

106 43.5 21.6 65.0





#61

Styrene

Concen: 10.756 ppbv

RT: 12.899 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

Instrument :

MSVOA_1

ClientSampleId :

VL0227ABS01

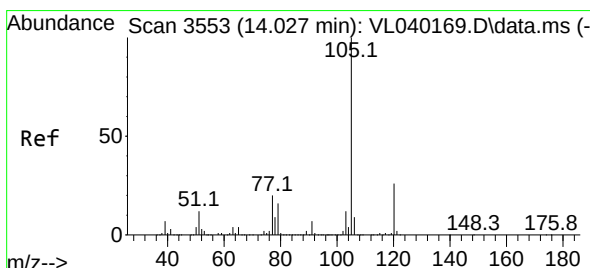
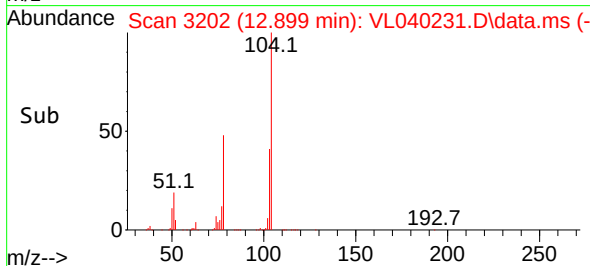
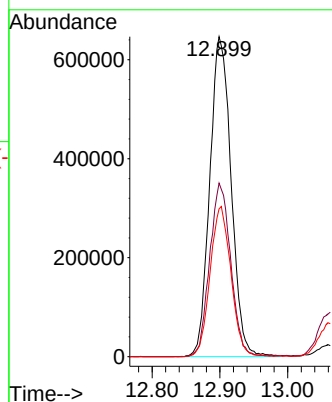
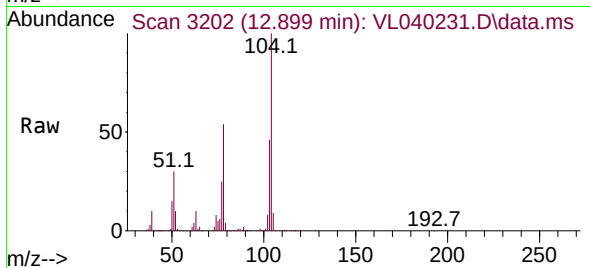
Tgt Ion:104 Resp: 1416457

Ion Ratio Lower Upper

104 100

78 53.7 42.3 63.5

103 46.1 37.5 56.3



#62

Isopropylbenzene

Concen: 9.619 ppbv

RT: 14.034 min Scan# 3555

Delta R.T. 0.007 min

Lab File: VL040231.D

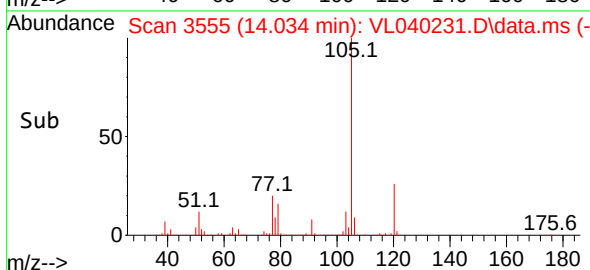
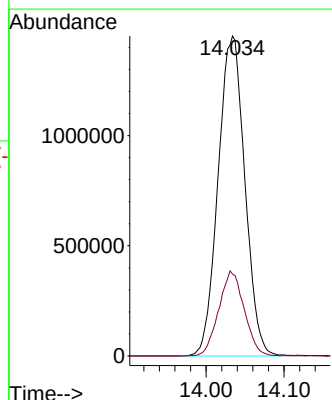
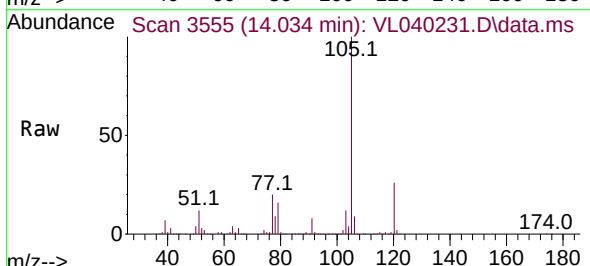
Acq: 27 Feb 2023 11:53

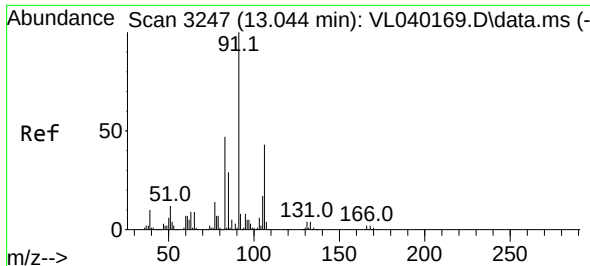
Tgt Ion:105 Resp: 3463129

Ion Ratio Lower Upper

105 100

120 25.3 20.3 30.5

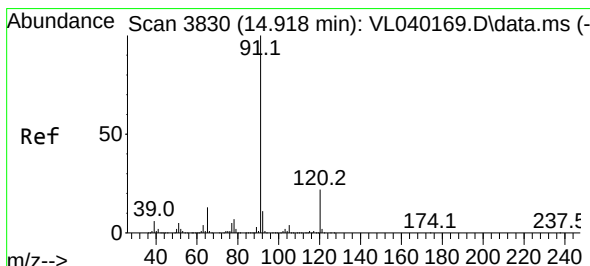
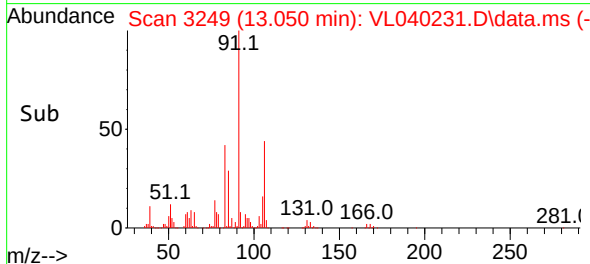
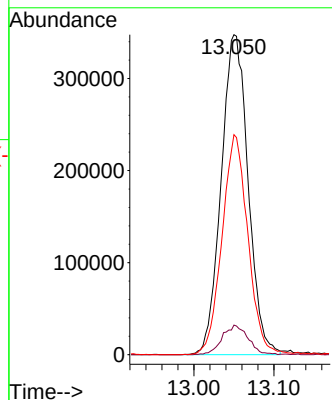
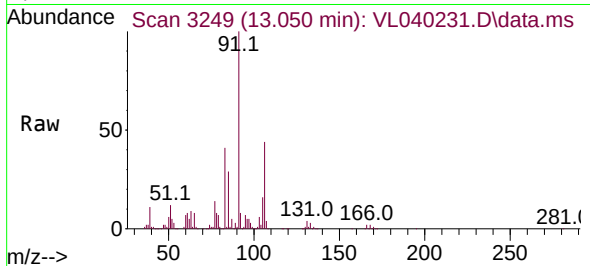




#63
1,1,2,2-Tetrachloroethane
Concen: 9.000 ppbv
RT: 13.050 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

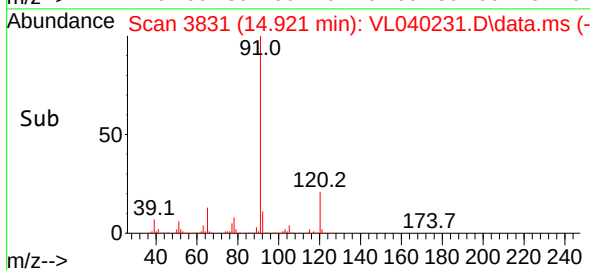
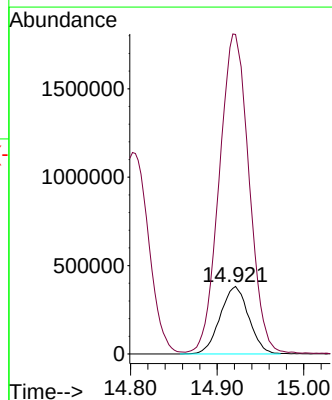
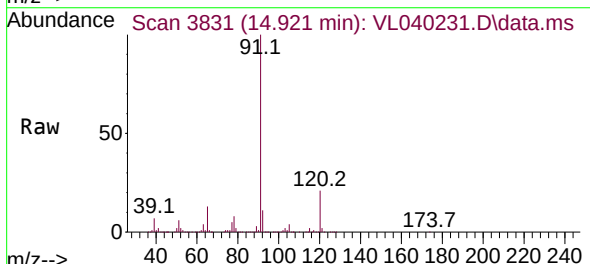
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

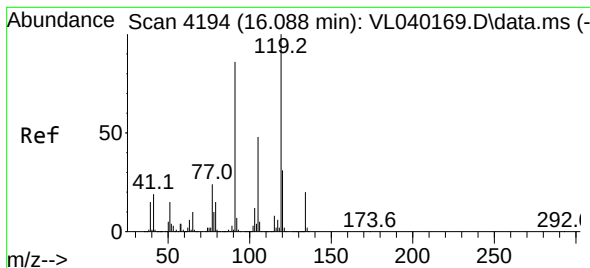
Tgt Ion: 83 Resp: 813544
Ion Ratio Lower Upper
83 100
131 9.0 4.4 13.2
85 66.5 33.0 99.0



#64
n-propylbenzene
Concen: 9.790 ppbv
RT: 14.921 min Scan# 3831
Delta R.T. 0.007 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion:120 Resp: 872401
Ion Ratio Lower Upper
120 100
91 498.4 389.8 584.8

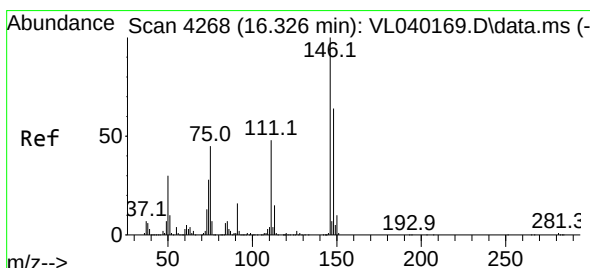
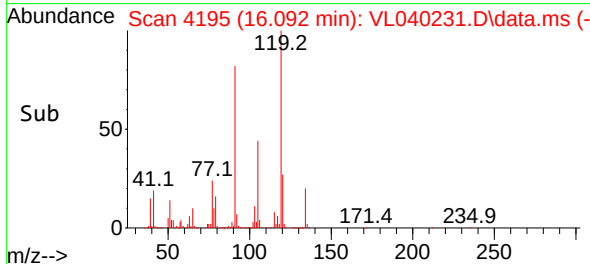
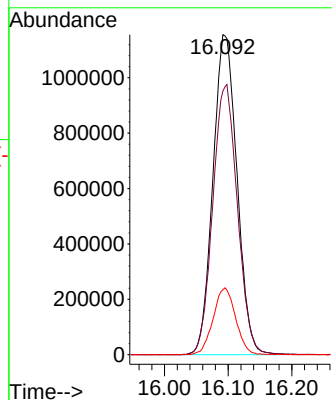
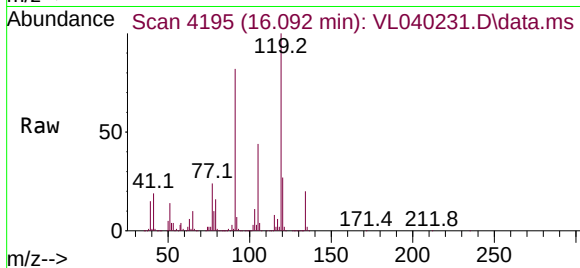




#65
tert-Butylbenzene
Concen: 9.705 ppbv
RT: 16.092 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

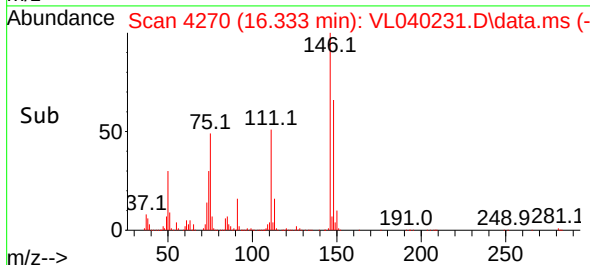
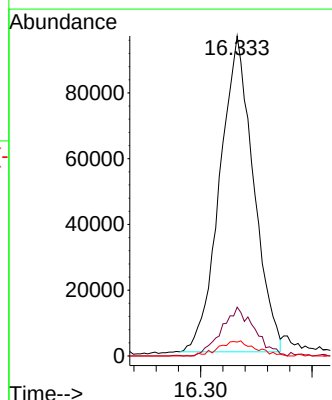
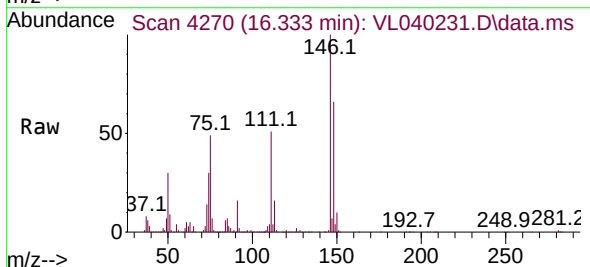
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

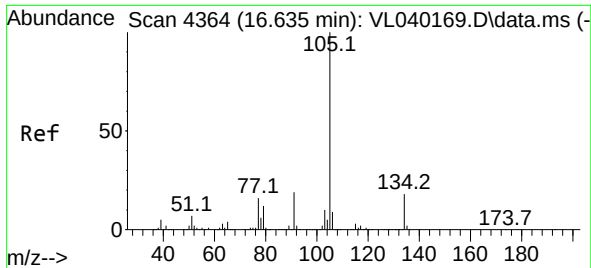
Tgt Ion:119 Resp: 3037264
Ion Ratio Lower Upper
119 100
91 86.3 68.6 102.8
134 19.6 15.9 23.9



#66
Benzyl Chloride
Concen: 9.695 ppbv
RT: 16.333 min Scan# 4270
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion: 91 Resp: 201923
Ion Ratio Lower Upper
91 100
126 15.7 13.1 19.7
128 5.1 4.1 6.1

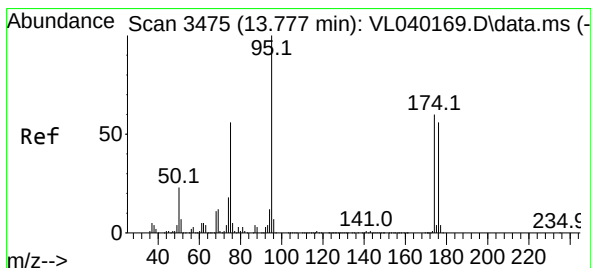
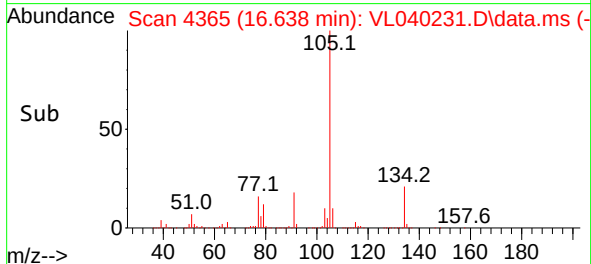
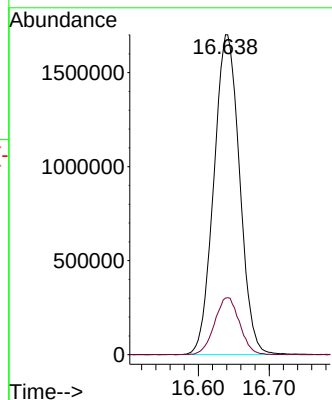
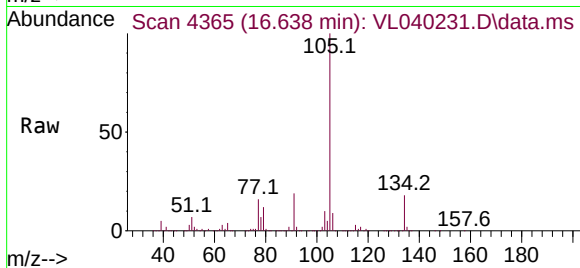




#67
 sec-Butylbenzene
 Concen: 9.558 ppbv
 RT: 16.638 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040231.D
 Acq: 27 Feb 2023 11:53

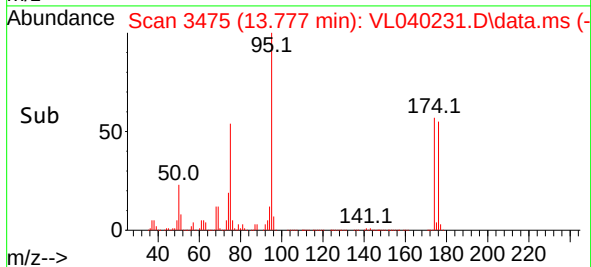
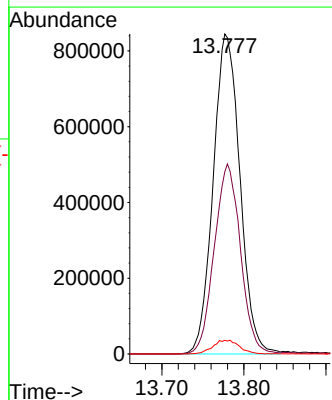
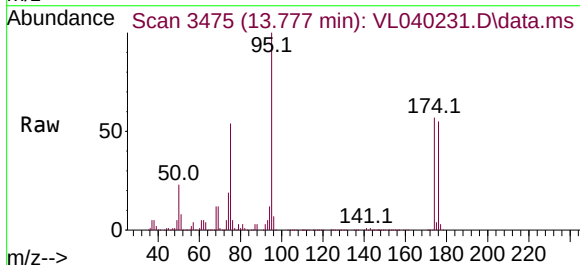
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0227ABS01

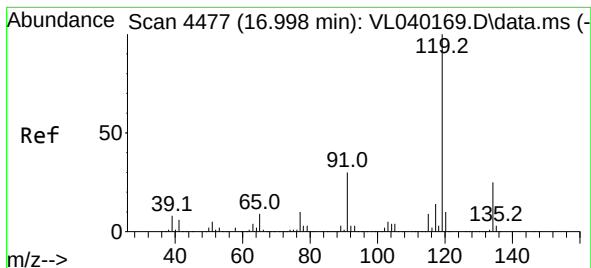
Tgt Ion:105 Resp: 4289804
 Ion Ratio Lower Upper
 105 100
 134 17.4 14.1 21.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.597 ppbv
 RT: 13.777 min Scan# 3475
 Delta R.T. 0.000 min
 Lab File: VL040231.D
 Acq: 27 Feb 2023 11:53

Tgt Ion: 95 Resp: 1911715
 Ion Ratio Lower Upper
 95 100
 174 58.9 48.2 72.2
 175 4.3 3.4 5.2





#69

p-Isopropyltoluene

Concen: 9.611 ppbv

RT: 16.998 min Scan# 4477

Delta R.T. 0.000 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

Instrument :

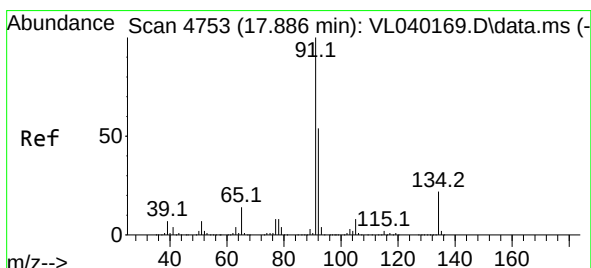
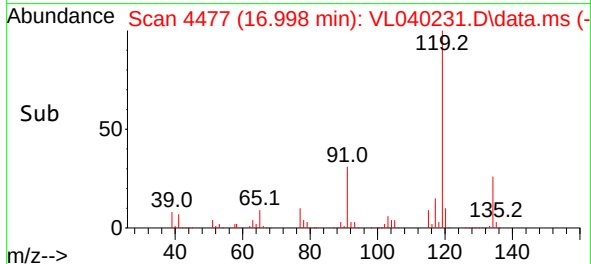
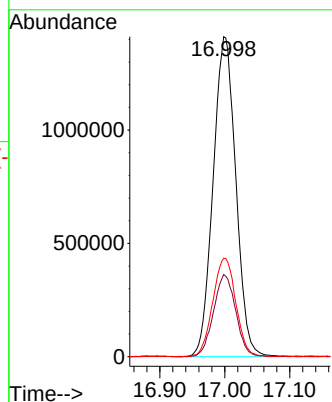
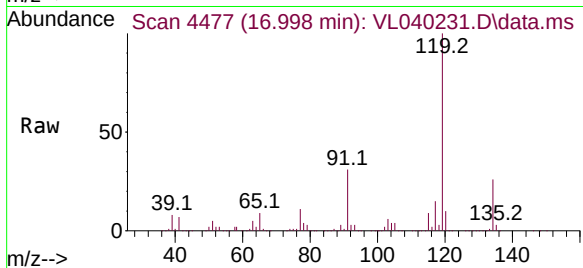
MSVOA_1

ClientSampleId :

VL0227ABS01

Tgt Ion:119 Resp: 3419720

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.2	30.2
91	31.3	24.7	37.1



#70

n-Butylbenzene

Concen: 9.587 ppbv

RT: 17.892 min Scan# 4755

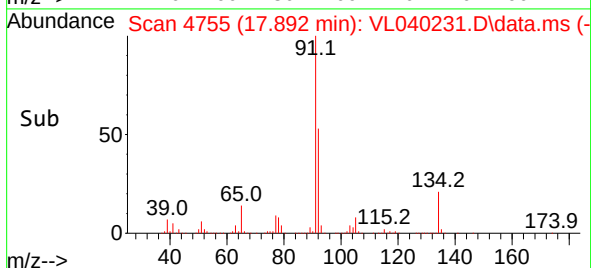
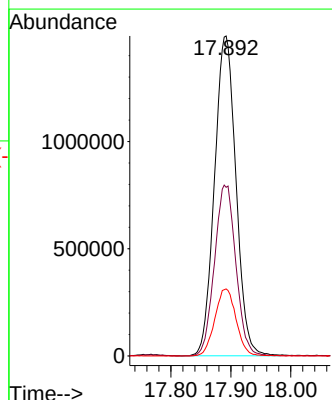
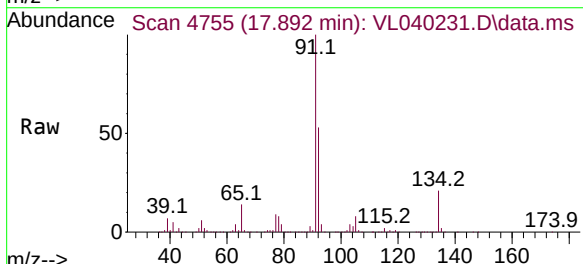
Delta R.T. 0.003 min

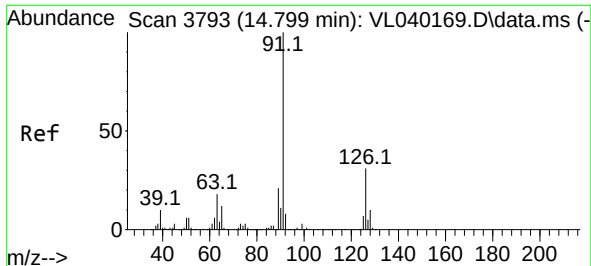
Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

Tgt Ion: 91 Resp: 3702630

Ion	Ratio	Lower	Upper
91	100		
92	53.2	43.0	64.6
134	20.8	16.9	25.3

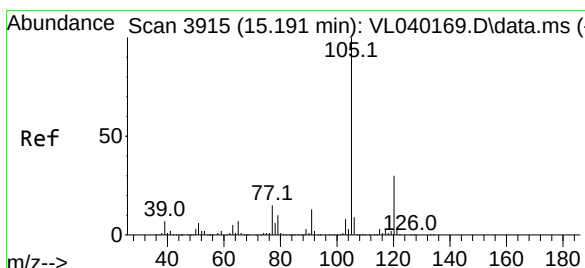
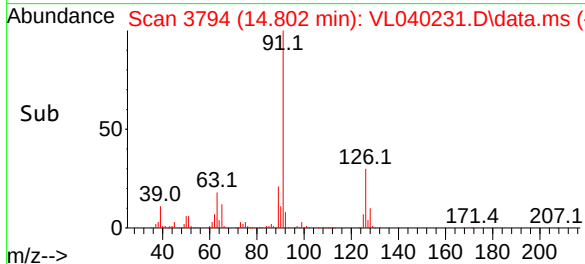
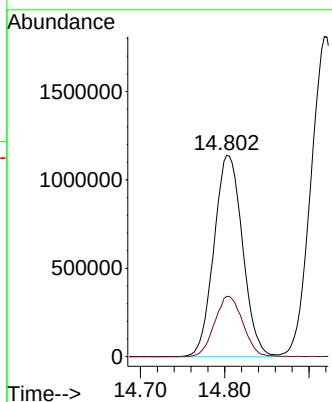
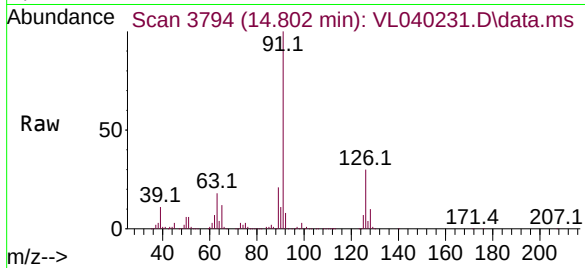




#71
2-Chlorotoluene
Concen: 9.729 ppbv
RT: 14.802 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

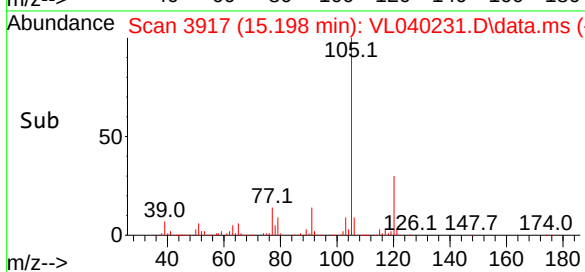
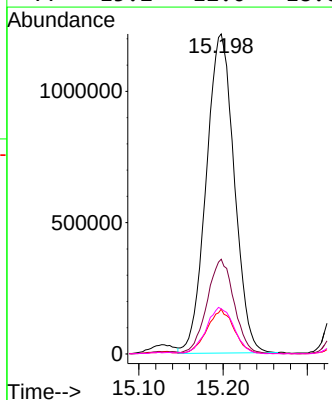
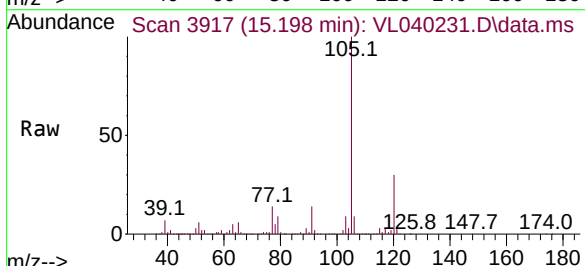
Instrument :
MSVOA_1
ClientSampleId :
VL0227ABS01

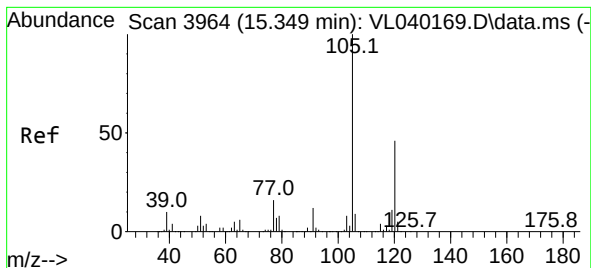
Tgt Ion: 91 Resp: 2679114
Ion Ratio Lower Upper
91 100
126 29.7 12.0 48.2



#72
4-Ethyltoluene
Concen: 10.117 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. 0.007 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion:105 Resp: 2805200
Ion Ratio Lower Upper
105 100
120 29.7 23.2 34.8
91 13.6 11.3 16.9
77 15.2 12.0 18.0





#73

1,3,5-Trimethylbenzene

Concen: 9.583 ppbv

RT: 15.355 min Scan# 3966

Delta R.T. 0.000 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

Instrument :

MSVOA_1

ClientSampleId :

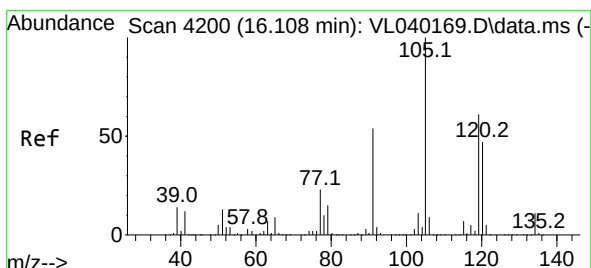
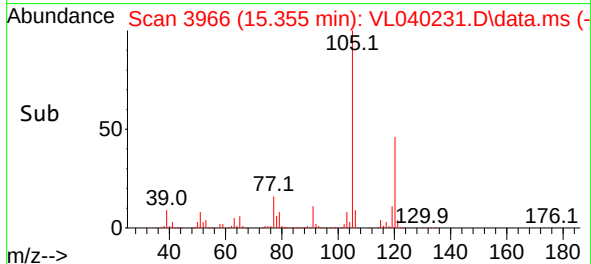
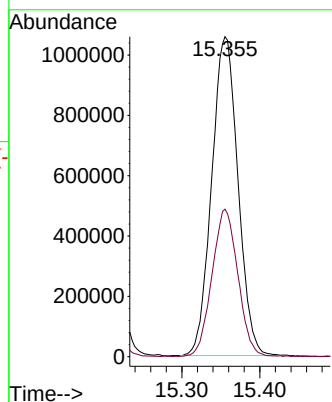
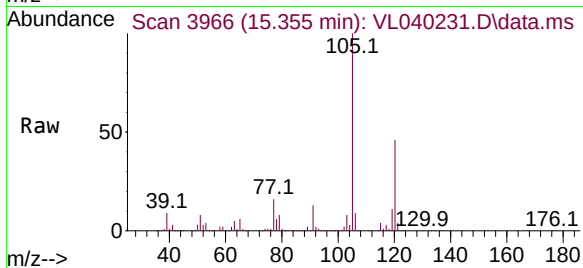
VL0227ABS01

Tgt Ion:105 Resp: 2472528

Ion Ratio Lower Upper

105 100

120 46.1 36.8 55.2



#74

1,2,4-Trimethylbenzene

Concen: 9.468 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. 0.003 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

Tgt Ion:105 Resp: 2683170

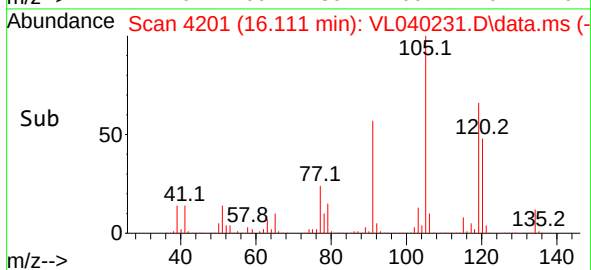
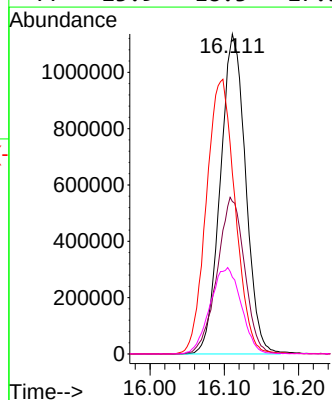
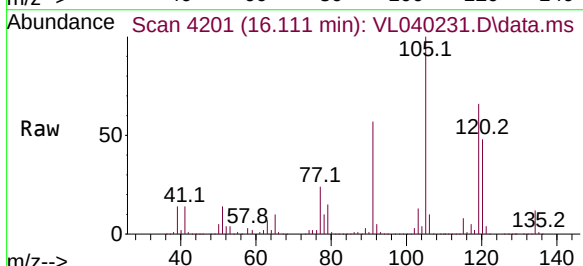
Ion Ratio Lower Upper

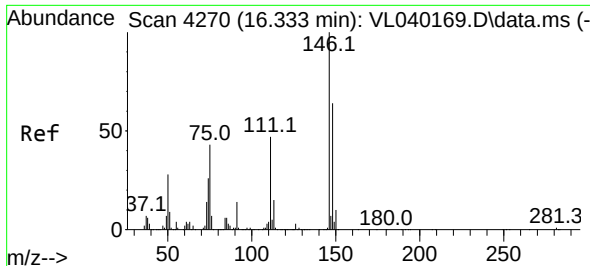
105 100

120 47.6 37.9 56.9

91 56.3 43.7 65.5

77 23.9 18.3 27.5

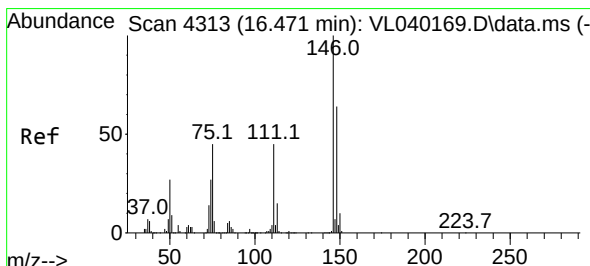
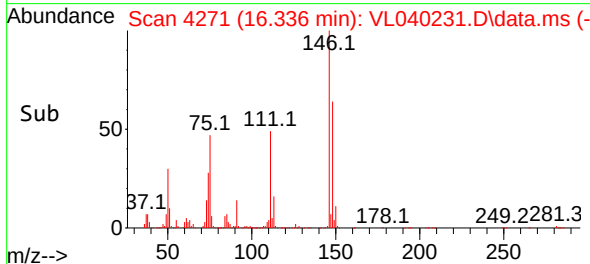
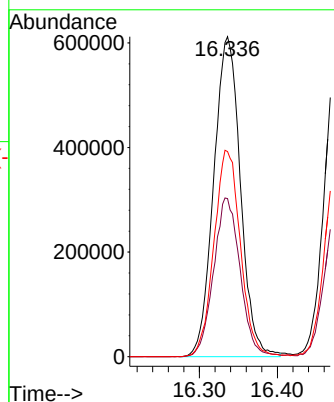
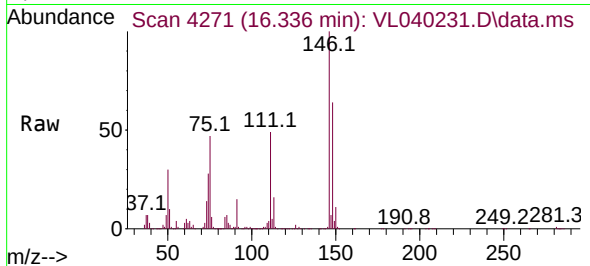




#75
1,3-Dichlorobenzene
Concen: 9.377 ppbv
RT: 16.336 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

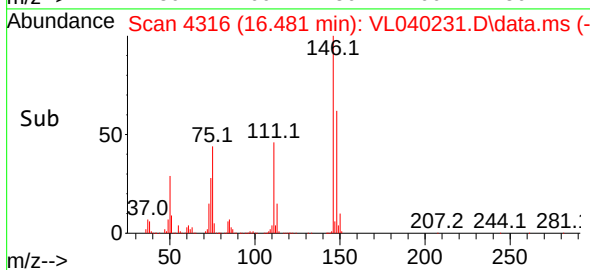
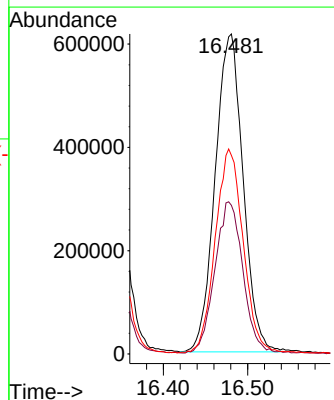
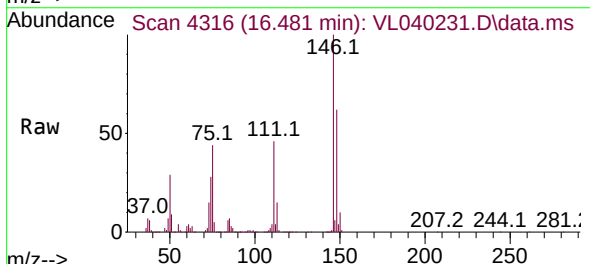
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

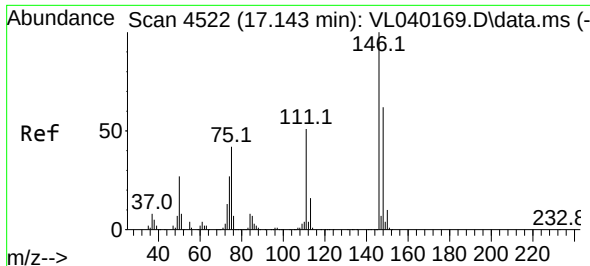
Tgt Ion:146 Resp: 1454302
Ion Ratio Lower Upper
146 100
111 49.3 23.9 71.8
148 64.1 32.1 96.5



#76
1,4-Dichlorobenzene
Concen: 9.310 ppbv
RT: 16.481 min Scan# 4316
Delta R.T. 0.007 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion:146 Resp: 1415000
Ion Ratio Lower Upper
146 100
111 48.7 23.5 70.5
148 65.0 32.5 97.4

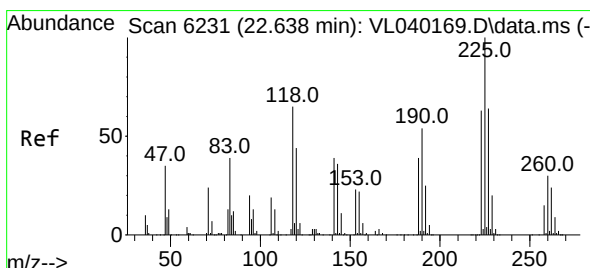
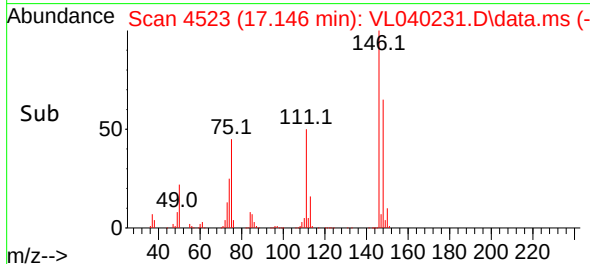
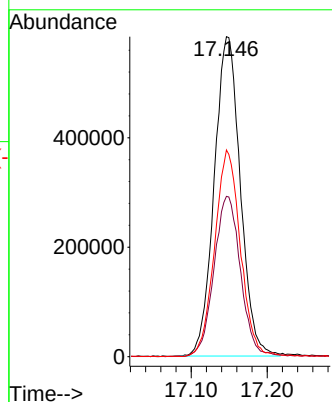
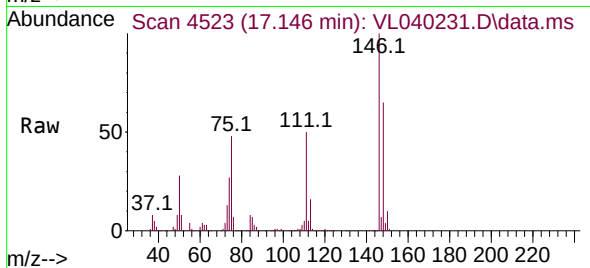




#77
1,2-Dichlorobenzene
Concen: 9.021 ppbv
RT: 17.146 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

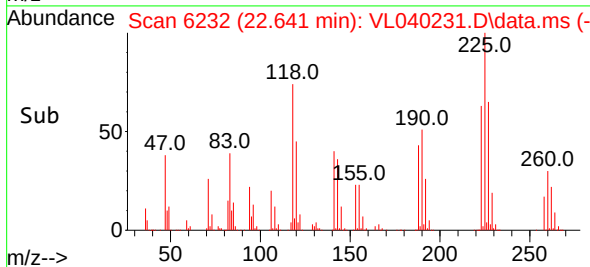
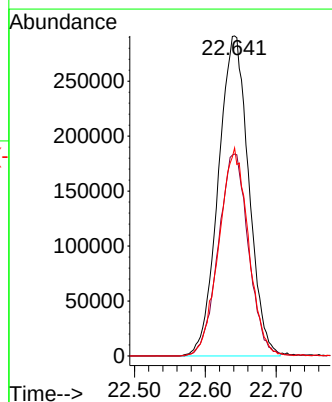
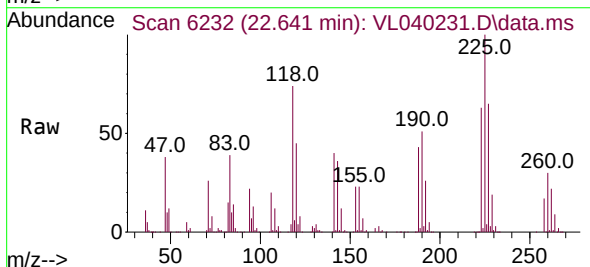
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

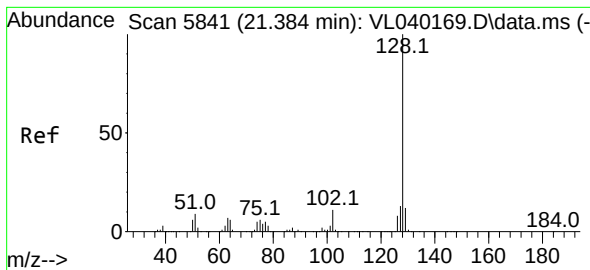
Tgt Ion:146 Resp: 1389736
Ion Ratio Lower Upper
146 100
111 51.2 25.3 75.8
148 64.2 32.0 96.2



#78
Hexachloro-1,3-Butadiene
Concen: 8.187 ppbv
RT: 22.641 min Scan# 6232
Delta R.T. 0.007 min
Lab File: VL040231.D
Acq: 27 Feb 2023 11:53

Tgt Ion:225 Resp: 866575
Ion Ratio Lower Upper
225 100
223 63.0 51.0 76.6
227 63.4 51.2 76.8





#79

Naphthalene

Concen: 10.513 ppbv

RT: 21.390 min Scan# 5843

Delta R.T. 0.000 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

Instrument :

MSVOA_1

ClientSampleId :

VL0227ABS01

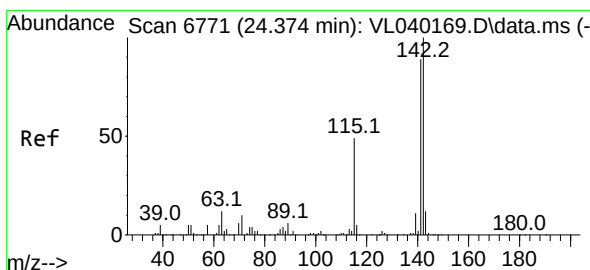
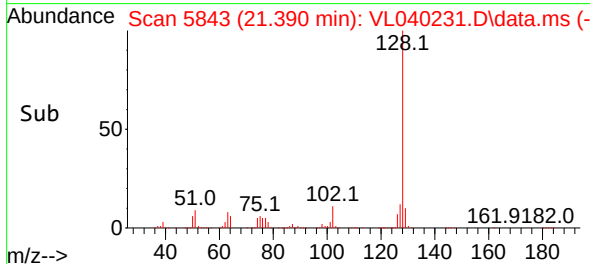
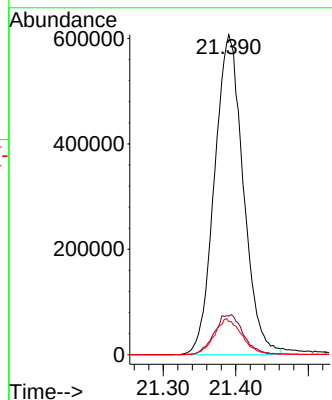
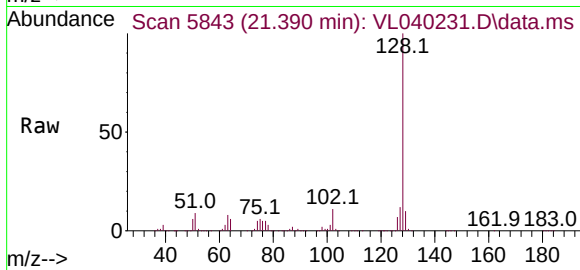
Tgt Ion:128 Resp: 1673922

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.4

129 10.3 9.4 14.0



#80

Naphthalene,2-methyl-

Concen: 7.795 ppbv

RT: 24.381 min Scan# 6773

Delta R.T. 0.000 min

Lab File: VL040231.D

Acq: 27 Feb 2023 11:53

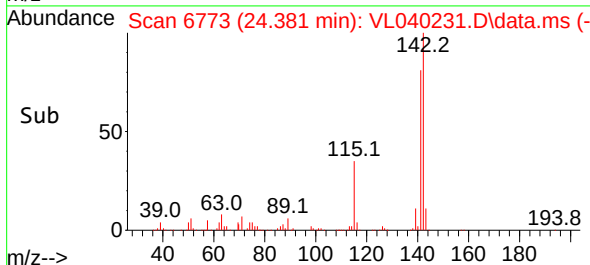
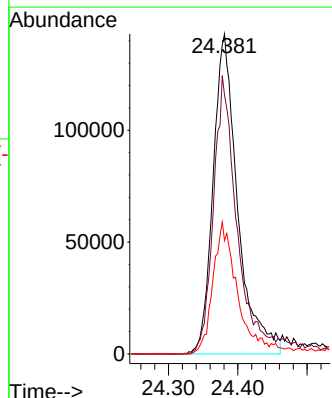
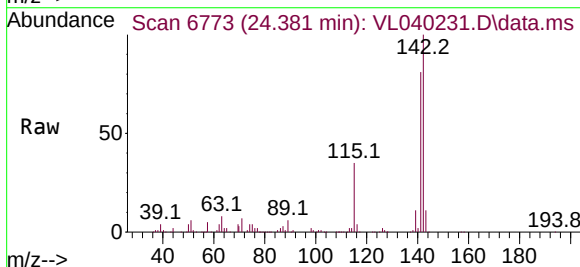
Tgt Ion:142 Resp: 352924

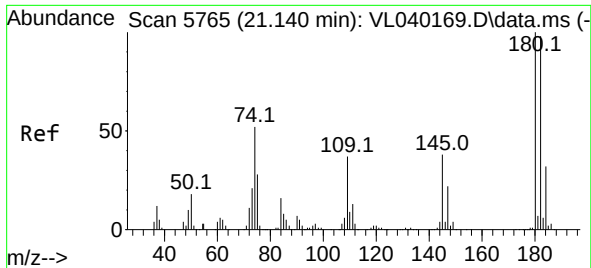
Ion Ratio Lower Upper

142 100

141 87.6 67.3 100.9

115 42.0 36.5 54.7





#81
 1,2,4-Trichlorobenzene
 Concen: 9.348 ppbv
 RT: 21.143 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL040231.D
 Acq: 27 Feb 2023 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Tgt Ion:180 Resp: 931357
 Ion Ratio Lower Upper
 180 100
 182 96.4 79.0 118.6
 184 30.7 24.6 36.8

