

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031523\
 Data File : VL040286.D
 Acq On : 15 Mar 2023 16:20
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL031523

Quant Time: Mar 16 07:23:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 15 16:14:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1187692	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3064762	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	3023496	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2425639	9.580	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	2101867	9.020	ppbv	99
3) Chlorodifluoromethane	2.671	51	1307814	8.757	ppbv	97
4) Chloromethane	2.809	50	832775	9.030	ppbv	97
5) Vinyl Chloride	2.918	62	710244	9.511	ppbv	97
6) Bromomethane	3.118	94	230969	8.920	ppbv	97
7) Chloroethane	3.195	64	267678	9.337	ppbv	99
8) Dichlorotetrafluoroethane	2.854	85	1740639	8.726	ppbv	99
9) Propene	2.690	41	574177	10.035	ppbv	95
10) Heptane	7.584	43	1342871	9.758	ppbv	100
11) Trichlorofluoromethane	3.562	101	1750219	8.290	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.066	101	1314359	8.289	ppbv	96
13) Ethanol	3.246	45	24210	5.769	ppbv	85
14) Bromoethene	3.365	108	545310	9.219	ppbv	99
15) Acetone	3.465	43	1209870	8.367	ppbv	97
16) 1,3-Butadiene	2.983	39	648893	9.873	ppbv	99
17) tert-Butyl alcohol	3.873	59	1267084	9.220	ppbv	100
18) 1,1-Dichloroethene	3.880	96	602704	8.860	ppbv	97
19) Isopropyl Alcohol	3.571	45	570153	8.232	ppbv	98
20) Methylene Chloride	3.931	84	497416	8.177	ppbv	97
21) Allyl Chloride	3.996	41	901679	9.627	ppbv	98
22) trans-1,2-Dichloroethene	4.446	96	626486	9.049	ppbv	97
23) Vinyl Acetate	4.626	43	417223	10.372	ppbv #	95
24) 1,1-Dichloroethane	4.565	63	1279967	8.921	ppbv	98
25) Ethyl Acetate	5.205	43	2502740	9.245	ppbv	100
26) Hexane	5.214	57	1082876	9.745	ppbv	95
27) Carbon Disulfide	4.124	76	1524231	9.821	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	1193259	9.353	ppbv	99
29) Chloroform	5.275	83	1790770	9.127	ppbv	97
30) Cyclohexane	6.606	84	902069	10.302	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	976757	9.026	ppbv	98
32) 1,1,1-Trichloroethane	6.005	97	1784586	9.493	ppbv	99
34) 2-Butanone	4.787	43	1373554	9.081	ppbv	100
35) Carbon Tetrachloride	6.497	117	1838115	9.557	ppbv	98
36) Benzene	6.375	78	2259958	9.676	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1371038	9.019	ppbv	99
38) Trichloroethene	7.298	130	1307641	10.245	ppbv	99
39) 1,2-Dichloropropane	7.079	63	848832	9.263	ppbv	98
40) 1,4-Dioxane	7.288	88	140612	3.879	ppbv #	1
41) Tetrahydrofuran	5.558	42	857687	9.825	ppbv	99
42) Bromodichloromethane	7.253	83	1938336	9.331	ppbv	98
43) Methyl Methacrylate	7.478	69	874247	10.072	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	3719241	9.551	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	818774	10.821	ppbv	99

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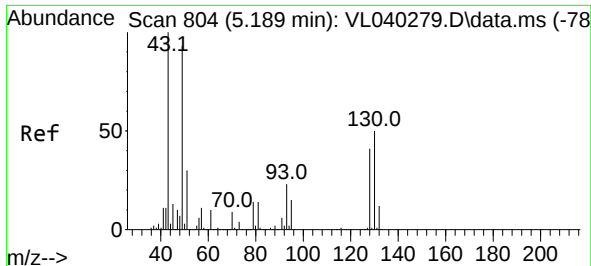
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	1148250	10.687	ppbv	98
47) 1,1,2-Trichloroethane	8.909	97	888354	9.086	ppbv	94
48) Dibromochloromethane	9.719	129	1501238	9.331	ppbv	99
49) Bromoform	12.420	173	1103689	9.133	ppbv	100
50) 4-Methyl-2-Pentanone	8.185	43	2231946	9.536	ppbv	99
51) 2-Hexanone	9.555	43	1707338	9.416	ppbv #	99
52) Tetrachloroethene	10.622	164	714768	10.115	ppbv	98
53) Toluene	9.230	91	2468854	10.087	ppbv	99
54) 1,2-Dibromoethane	10.018	107	967103	9.610	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.516	131	1070305	8.415	ppbv	99
57) Chlorobenzene	11.535	112	1822437	8.474	ppbv	97
58) Ethyl Benzene	12.098	91	3243410	9.421	ppbv	99
59) m/p-Xylene	12.381	91	2946105	9.341	ppbv #	39
60) o-Xylene	13.069	91	2610993	8.660	ppbv	99
61) Styrene	12.908	104	1506320	9.846	ppbv	99
62) Isopropylbenzene	14.040	105	3689593	8.594	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	829240	7.817	ppbv	99
64) n-propylbenzene	14.928	120	929599	8.848	ppbv	100
65) tert-Butylbenzene	16.101	119	3260953	8.814	ppbv	100
66) Benzyl Chloride	16.339	91	220078	9.153	ppbv	98
67) sec-Butylbenzene	16.648	105	4672660	8.831	ppbv	100
69) p-Isopropyltoluene	17.005	119	3828841	9.292	ppbv	100
70) n-Butylbenzene	17.899	91	4266140	9.397	ppbv	100
71) 2-Chlorotoluene	14.812	91	2856751	8.742	ppbv	100
72) 4-Ethyltoluene	15.204	105	3016467	9.151	ppbv	98
73) 1,3,5-Trimethylbenzene	15.362	105	2682583	8.985	ppbv	98
74) 1,2,4-Trimethylbenzene	16.120	105	2974222	8.735	ppbv	99
75) 1,3-Dichlorobenzene	16.342	146	1653099	8.964	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	1623205	9.228	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	1642934	9.268	ppbv	100
78) Hexachloro-1,3-Butadiene	22.651	225	1145081	8.808	ppbv	99
79) Naphthalene	21.400	128	2393181	11.881	ppbv	98
80) Naphthalene,2-methyl-	24.384	142	497144	9.745	ppbv	98
81) 1,2,4-Trichlorobenzene	21.152	180	1233120	9.939	ppbv	100

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Mar 15 16:14:43 2023
Response via : Initial Calibration

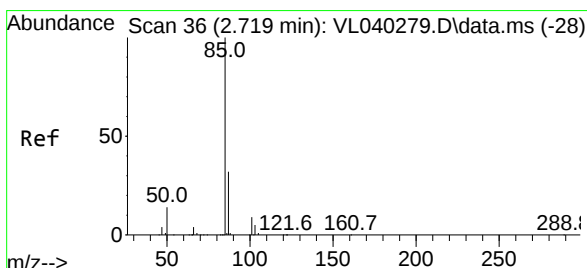
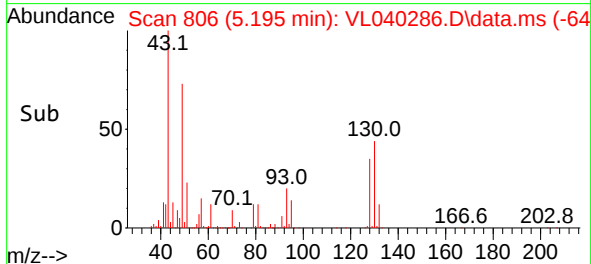
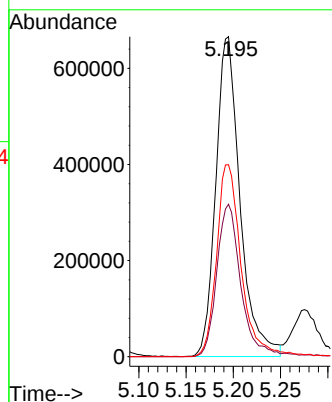
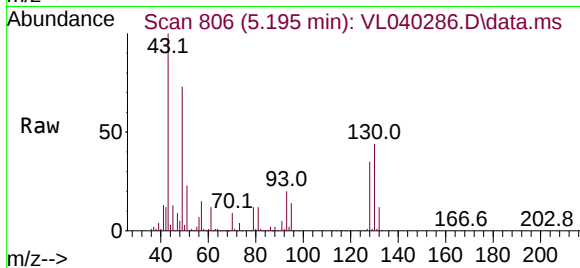




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

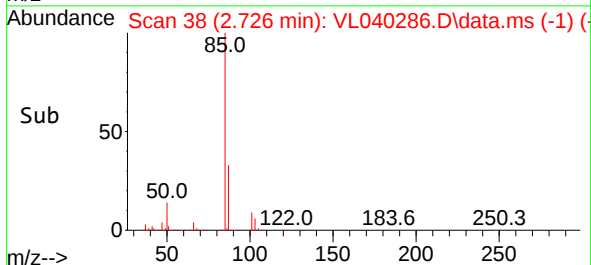
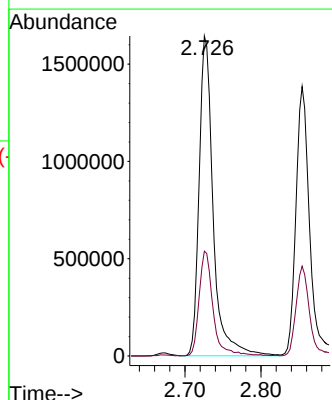
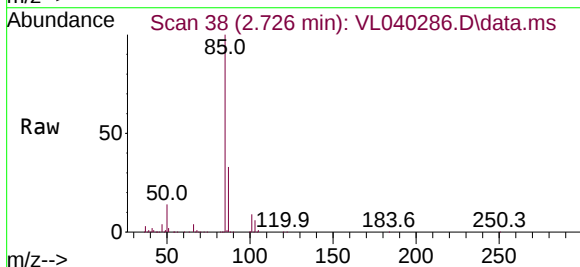
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031523

Tgt Ion: 49 Resp: 1187692
Ion Ratio Lower Upper
49 100
128 48.4 22.4 67.3
130 61.7 28.7 86.1



#2
Dichlorodifluoromethane
Concen: 9.020 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.006 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Tgt Ion: 85 Resp: 2101867
Ion Ratio Lower Upper
85 100
87 32.7 25.5 38.3

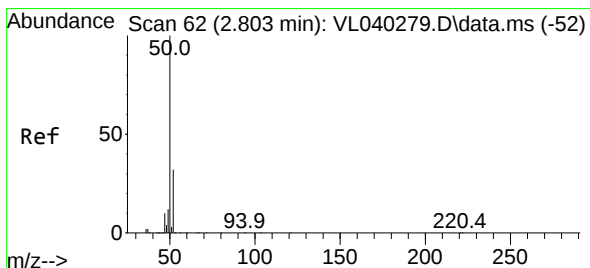
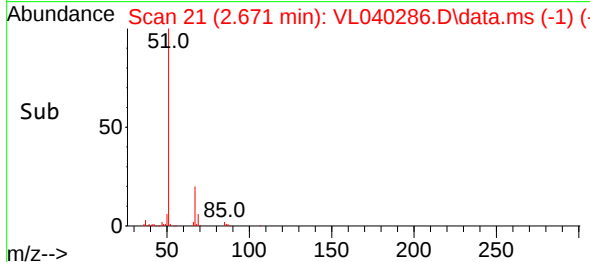
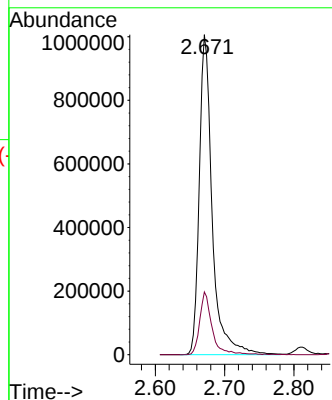
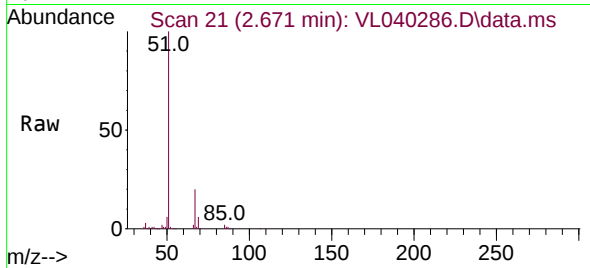




#3
Chlorodifluoromethane
Concen: 8.757 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

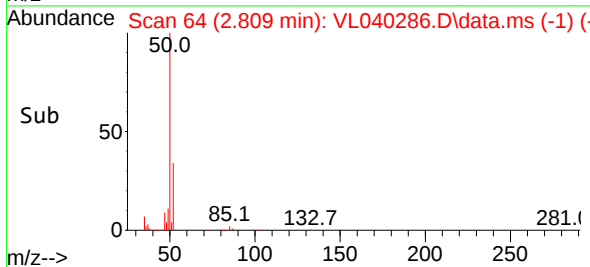
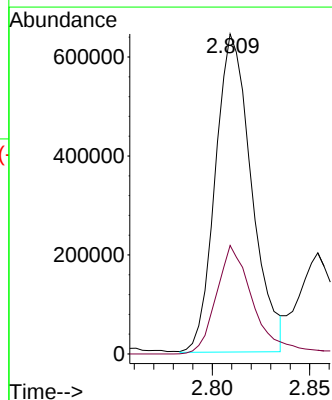
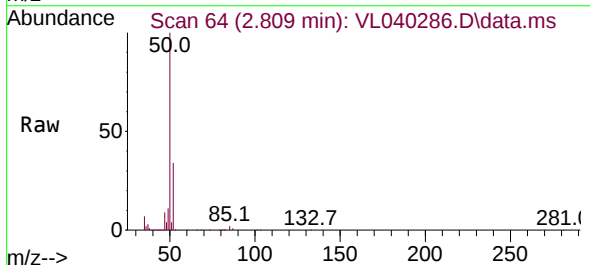
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ClientSampleId :
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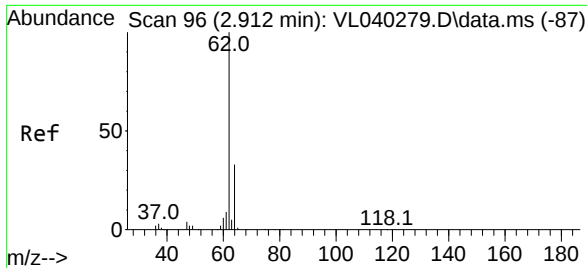
Tgt Ion: 51 Resp: 1307814
Ion Ratio Lower Upper
51 100
67 18.8 16.0 24.0



#4
Chloromethane
Concen: 9.030 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.006 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Tgt Ion: 50 Resp: 832775
Ion Ratio Lower Upper
50 100
52 34.1 25.9 38.9

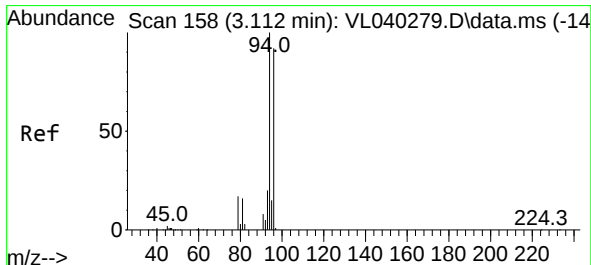
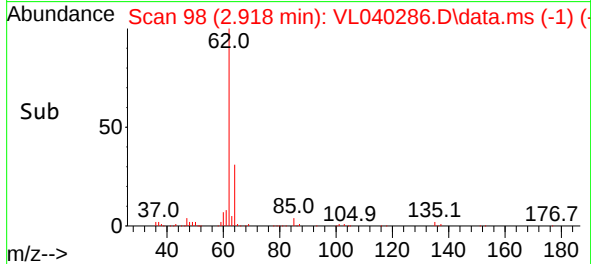
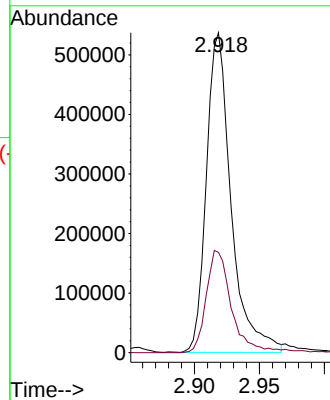
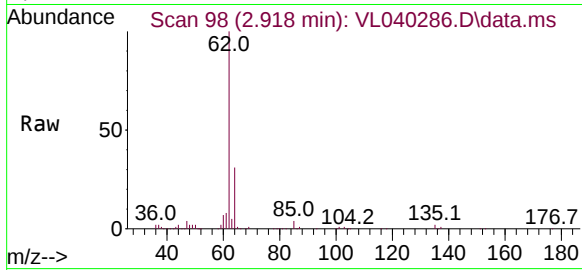




#5
 Vinyl Chloride
 Concen: 9.511 ppbv
 RT: 2.918 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VL040286.D
 Acq: 15 Mar 2023 16:20

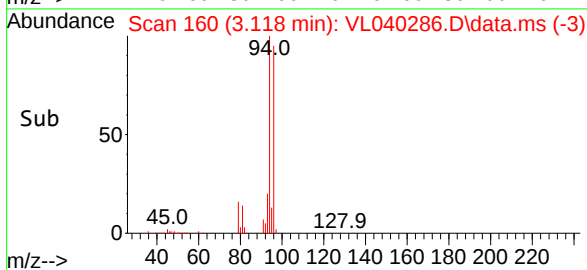
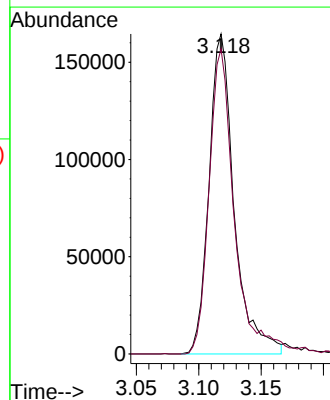
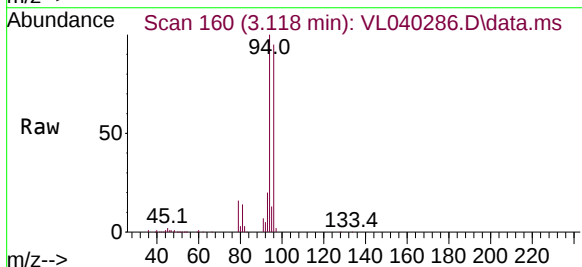
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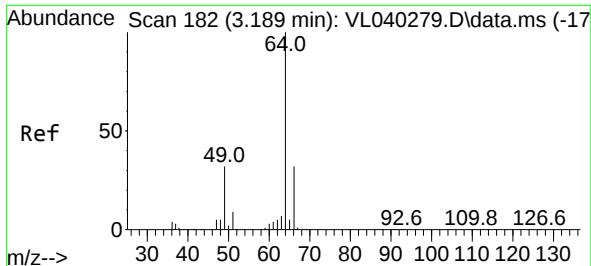
Tgt Ion: 62 Resp: 710244
 Ion Ratio Lower Upper
 62 100
 64 31.3 26.4 39.6



#6
 Bromomethane
 Concen: 8.920 ppbv
 RT: 3.118 min Scan# 160
 Delta R.T. 0.006 min
 Lab File: VL040286.D
 Acq: 15 Mar 2023 16:20

Tgt Ion: 94 Resp: 230969
 Ion Ratio Lower Upper
 94 100
 96 95.4 73.7 110.5

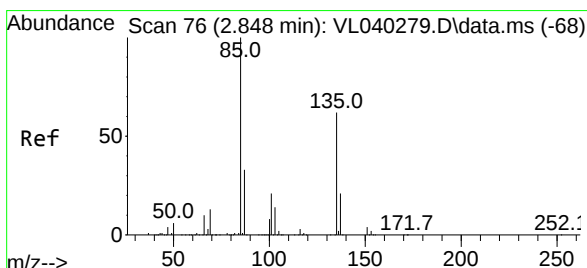
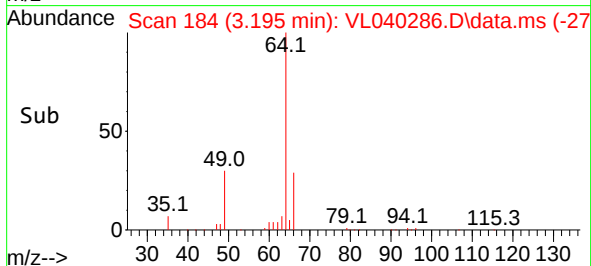
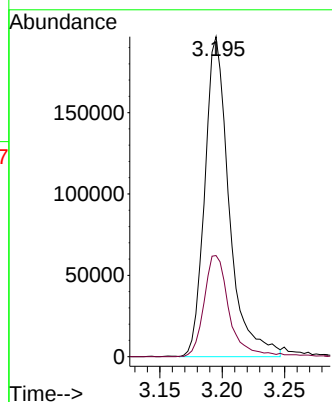
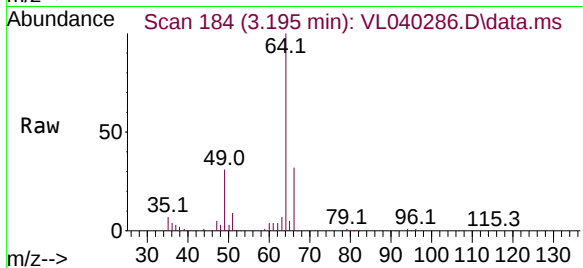




#7
Chloroethane
Concen: 9.337 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

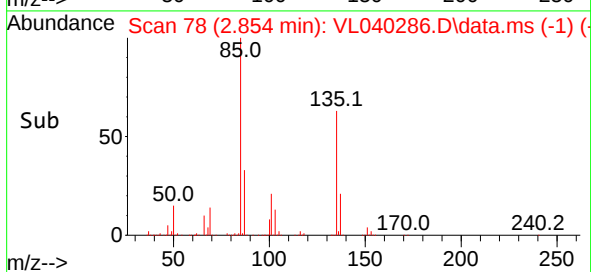
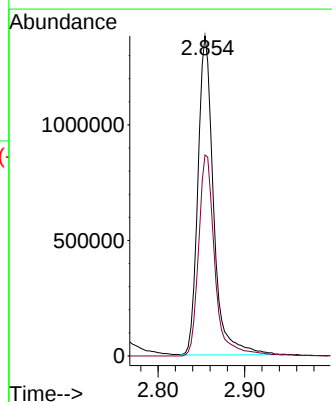
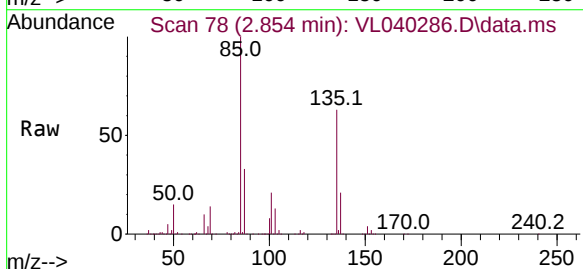
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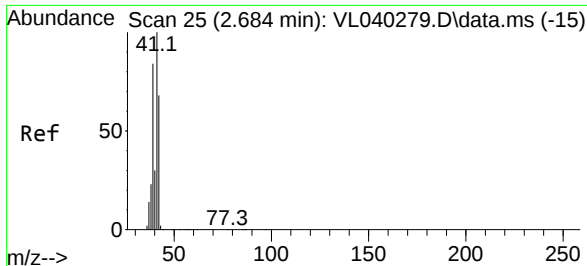
Tgt Ion: 64 Resp: 267678
Ion Ratio Lower Upper
64 100
66 31.6 25.5 38.3



#8
Dichlorotetrafluoroethane
Concen: 8.726 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.006 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Tgt Ion: 85 Resp: 1740639
Ion Ratio Lower Upper
85 100
135 65.9 52.0 78.0

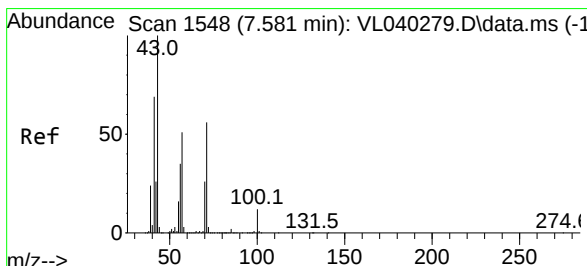
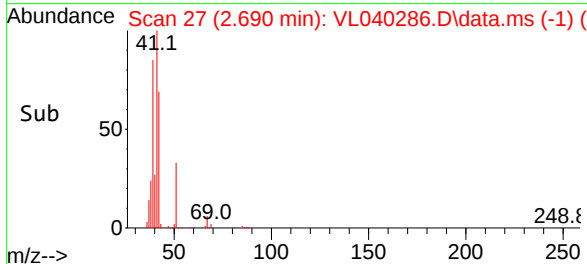
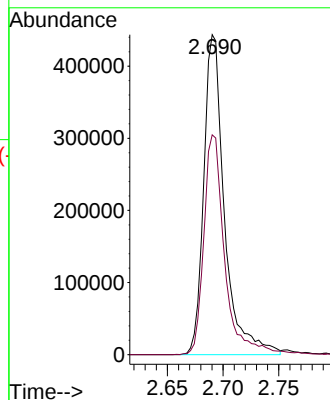
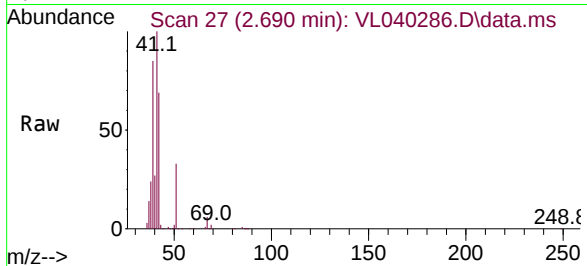




#9
 Propene
 Concen: 10.035 ppbv
 RT: 2.690 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VL040286.D
 Acq: 15 Mar 2023 16:20

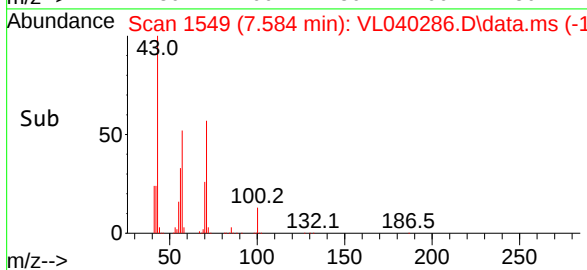
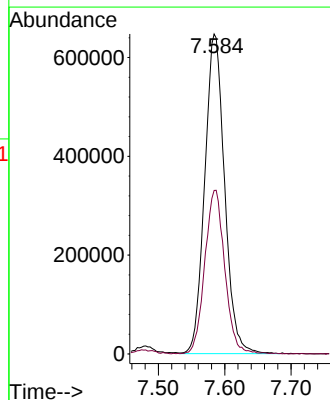
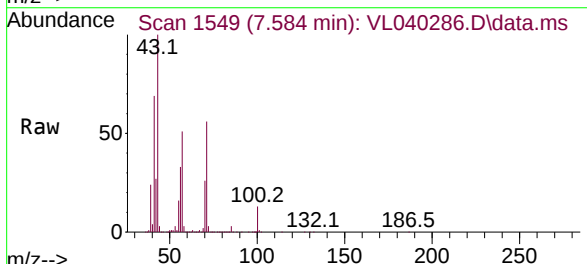
Instrument :
 MSVOA_L
 ClientSampleId :
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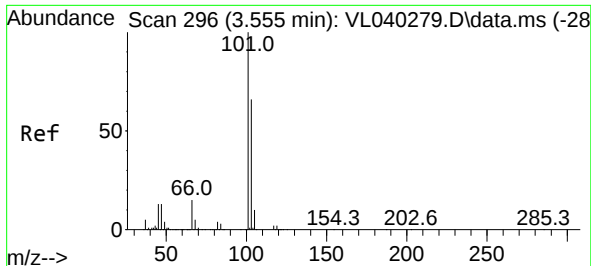
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 Ion Ratio Lower Upper
 41 100
 42 69.8 59.0 88.4



#10
 Heptane
 Concen: 9.758 ppbv
 RT: 7.584 min Scan# 1549
 Delta R.T. 0.003 min
 Lab File: VL040286.D
 Acq: 15 Mar 2023 16:20

Tgt Ion: 43 Resp: 1342871
 Ion Ratio Lower Upper
 43 100
 57 51.8 41.7 62.5

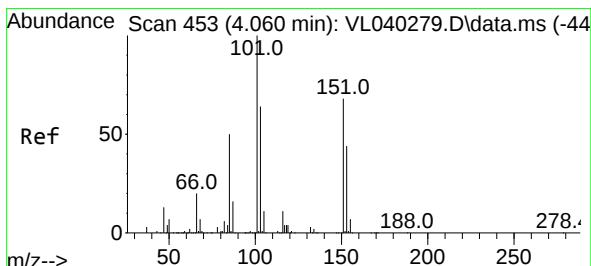
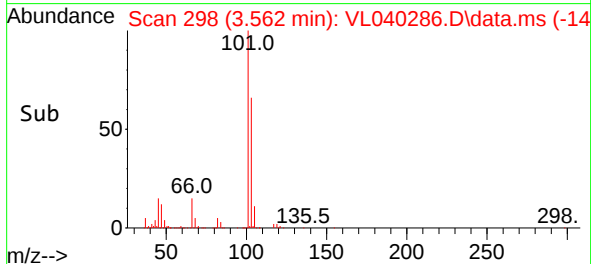
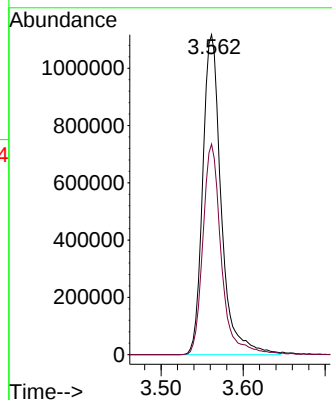
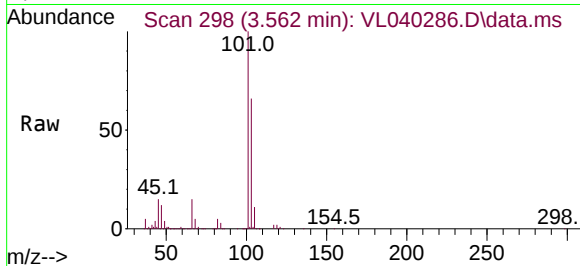




#11
 Trichlorofluoromethane
 Concen: 8.290 ppbv
 RT: 3.562 min Scan# 296
 Delta R.T. 0.006 min
 Lab File: VL040286.D
 Acq: 15 Mar 2023 16:20

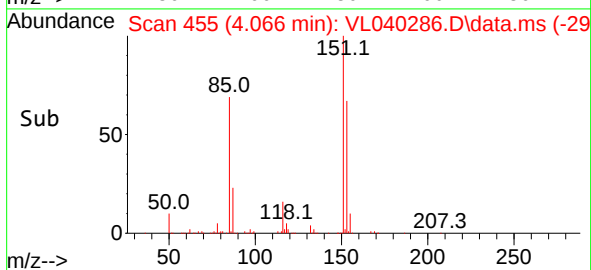
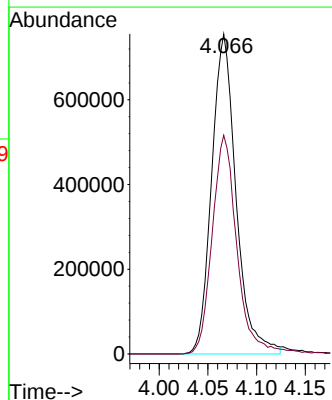
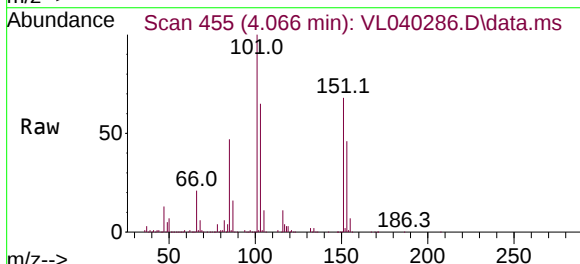
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031523

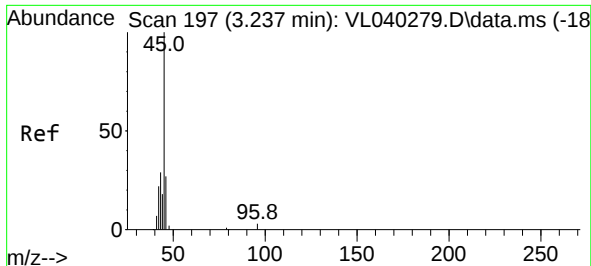
Tgt Ion:101 Resp: 1750219
 Ion Ratio Lower Upper
 101 100
 103 65.8 53.1 79.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.289 ppbv
 RT: 4.066 min Scan# 455
 Delta R.T. 0.006 min
 Lab File: VL040286.D
 Acq: 15 Mar 2023 16:20

Tgt Ion:101 Resp: 1314359
 Ion Ratio Lower Upper
 101 100
 151 69.8 53.2 79.8

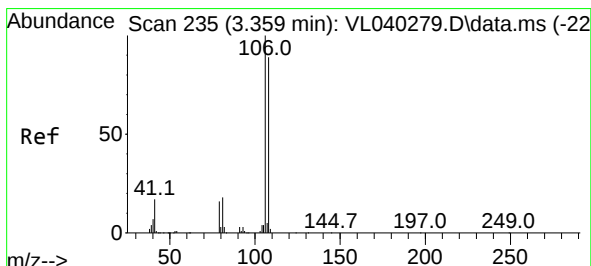
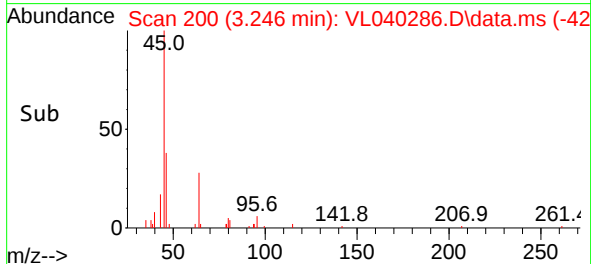
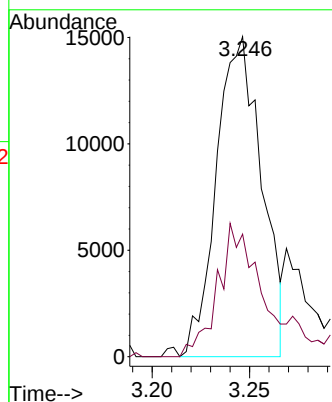
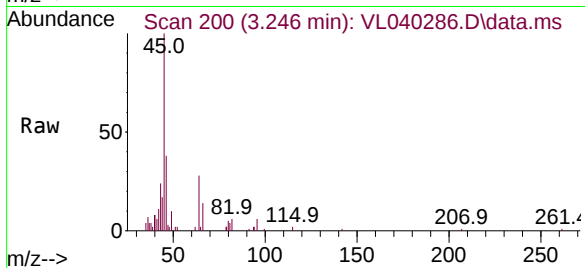




#13
 Ethanol
 Concen: 5.769 ppbv
 RT: 3.246 min Scan# 20
 Delta R.T. 0.010 min
 Lab File: VL040286.D
 Acq: 15 Mar 2023 16:20

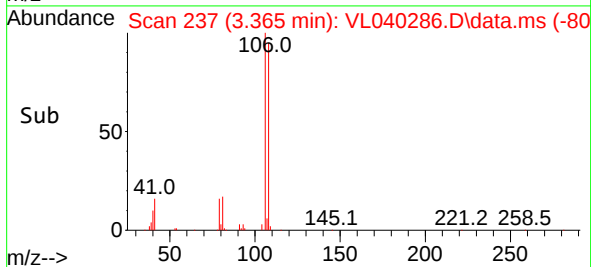
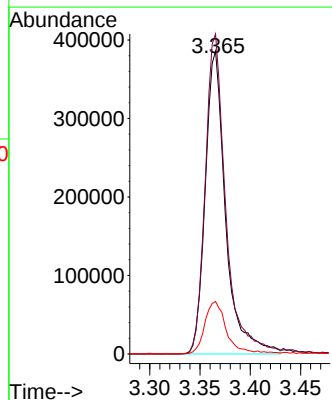
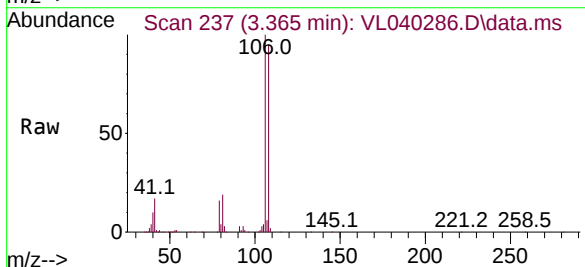
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031523

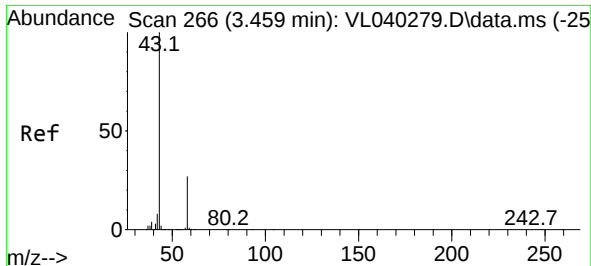
Tgt Ion: 45 Resp: 24210
 Ion Ratio Lower Upper
 45 100
 46 46.4 15.0 60.2



#14
 Bromoethene
 Concen: 9.219 ppbv
 RT: 3.365 min Scan# 237
 Delta R.T. 0.006 min
 Lab File: VL040286.D
 Acq: 15 Mar 2023 16:20

Tgt Ion: 108 Resp: 545310
 Ion Ratio Lower Upper
 108 100
 106 107.9 85.8 128.8
 79 19.2 15.8 23.6

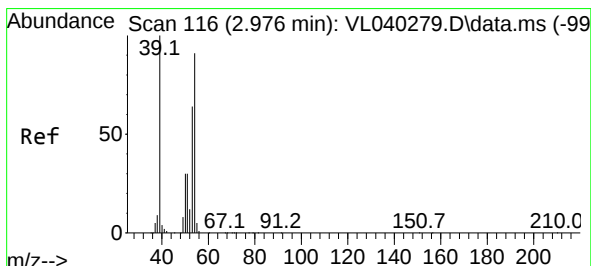
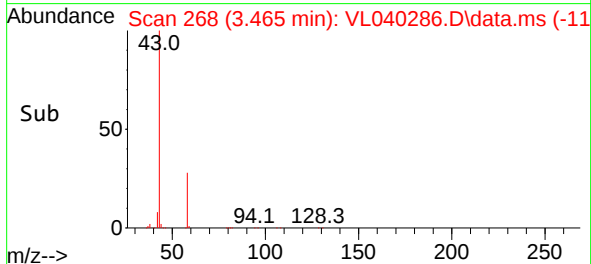
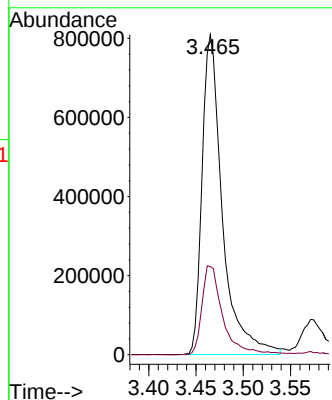
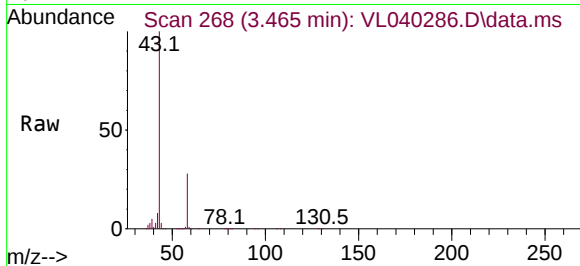




#15
Acetone
Concen: 8.367 ppbv
RT: 3.465 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

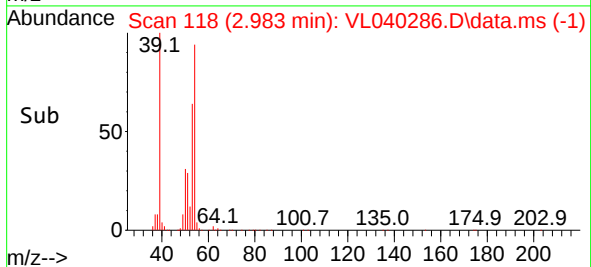
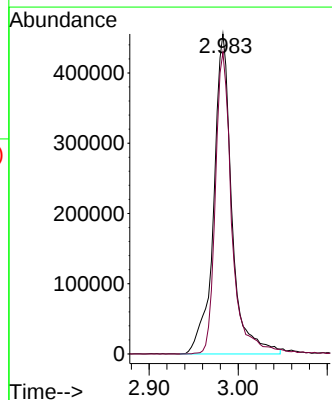
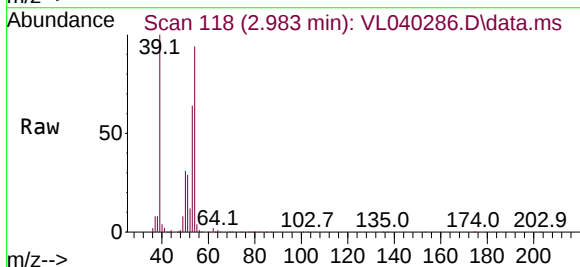
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031523

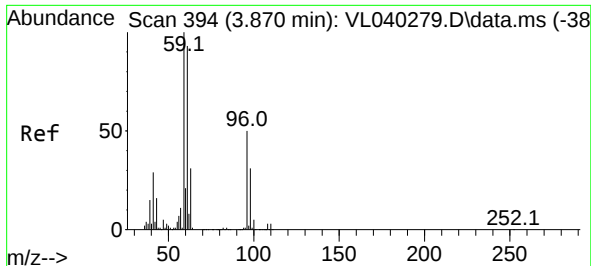
Tgt Ion: 43 Resp: 1209870
Ion Ratio Lower Upper
43 100
58 28.6 21.8 32.8



#16
1,3-Butadiene
Concen: 9.873 ppbv
RT: 2.983 min Scan# 118
Delta R.T. 0.006 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Tgt Ion: 39 Resp: 648893
Ion Ratio Lower Upper
39 100
54 86.2 68.4 102.6





#17

tert-Butyl alcohol

Concen: 9.220 ppbv

RT: 3.873 min Scan# 394

Delta R.T. 0.003 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

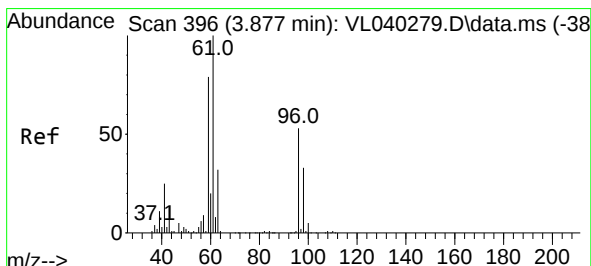
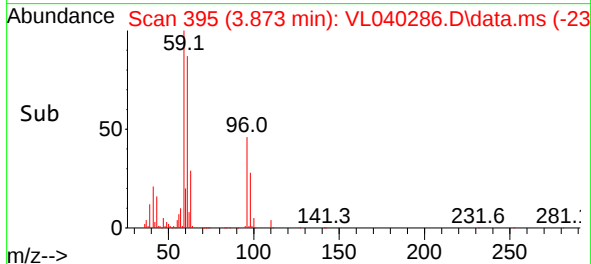
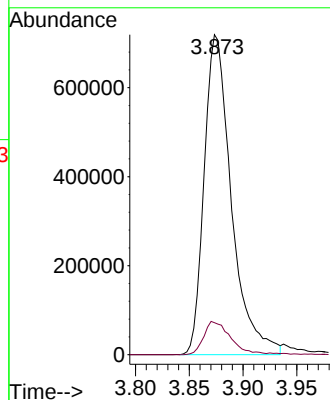
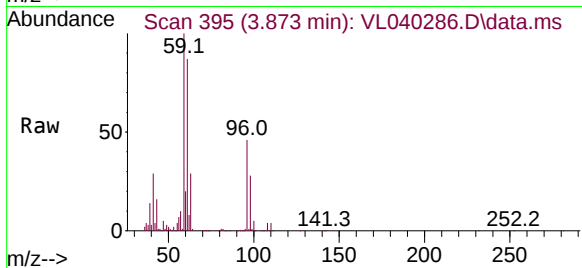
ICVVL031523

Tgt Ion: 59 Resp: 1267084

Ion Ratio Lower Upper

59 100

57 10.5 8.5 12.7



#18

1,1-Dichloroethene

Concen: 8.860 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.003 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

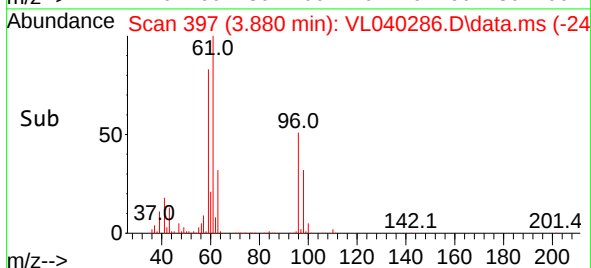
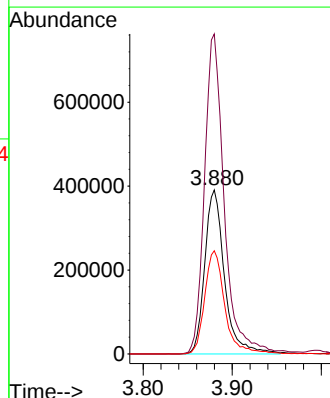
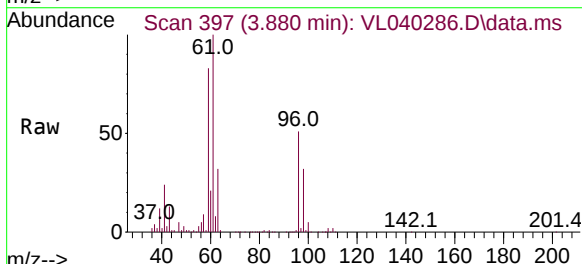
Tgt Ion: 96 Resp: 602704

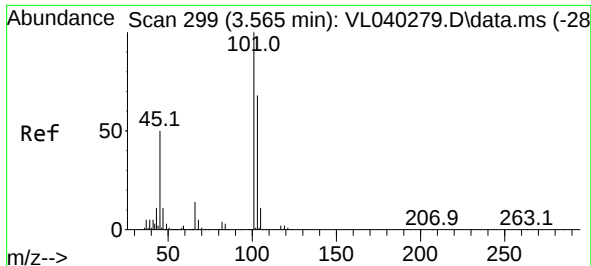
Ion Ratio Lower Upper

96 100

61 195.0 150.6 226.0

98 62.9 50.3 75.5





#19

Isopropyl Alcohol

Concen: 8.232 ppbv

RT: 3.571 min Scan# 301

Delta R.T. 0.006 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

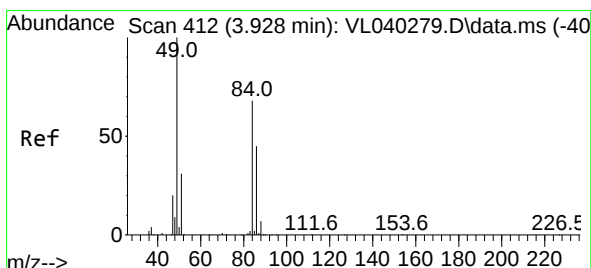
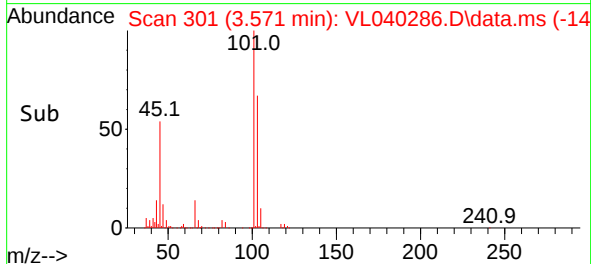
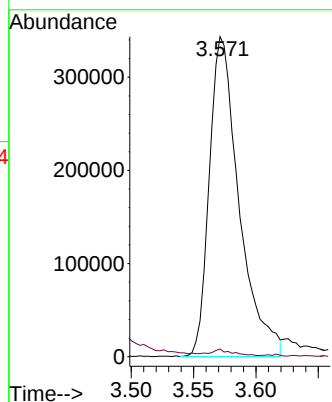
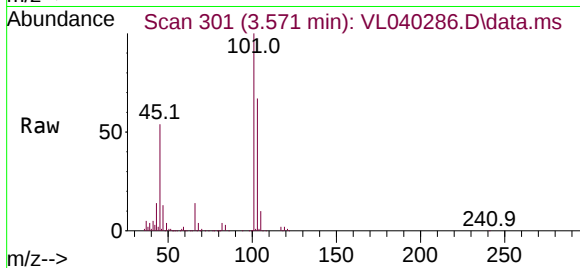
ICVVL031523

Tgt Ion: 45 Resp: 570153

Ion Ratio Lower Upper

45 100

58 2.9 2.7 4.1



#20

Methylene Chloride

Concen: 8.177 ppbv

RT: 3.931 min Scan# 413

Delta R.T. 0.003 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

Tgt Ion: 84 Resp: 497416

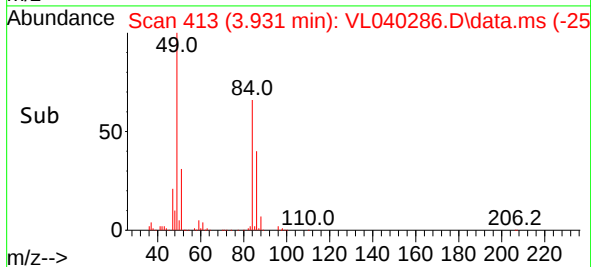
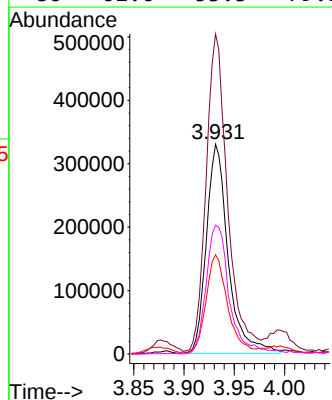
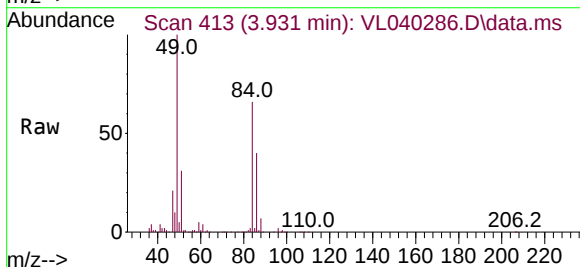
Ion Ratio Lower Upper

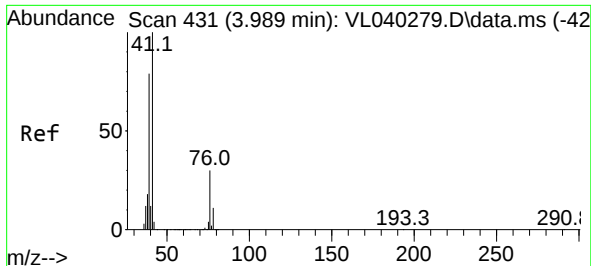
84 100

49 150.6 117.5 176.3

51 46.7 36.9 55.3

86 61.6 53.3 79.9





#21

Allyl Chloride

Concen: 9.627 ppbv

RT: 3.996 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031523

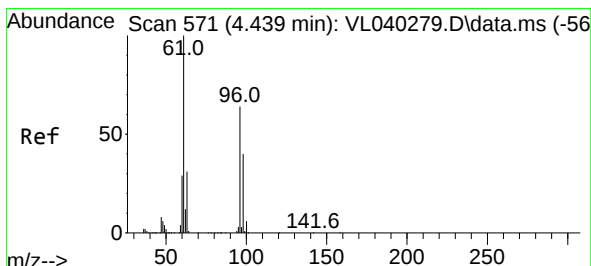
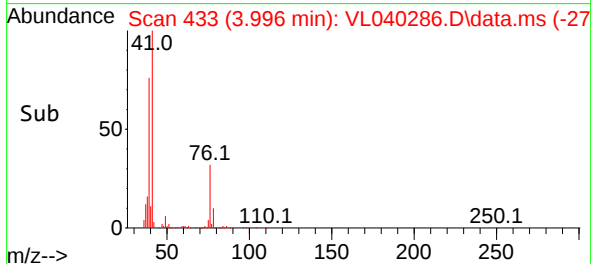
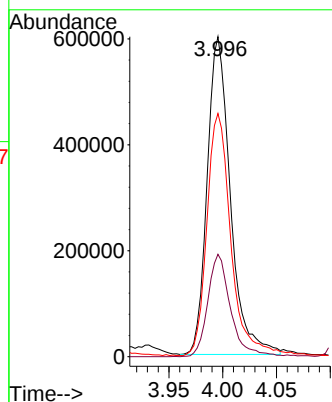
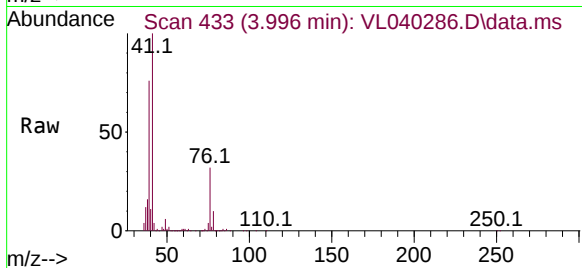
Tgt Ion: 41 Resp: 901679

Ion Ratio Lower Upper

41 100

76 31.9 25.4 38.0

39 79.4 65.4 98.2



#22

trans-1,2-Dichloroethene

Concen: 9.049 ppbv

RT: 4.446 min Scan# 573

Delta R.T. 0.006 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

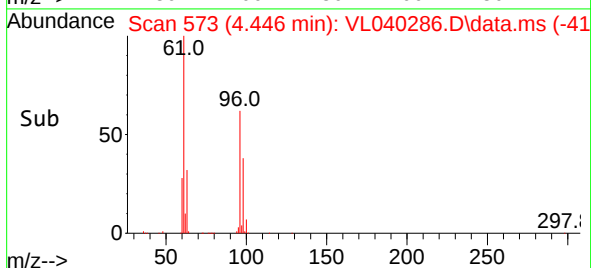
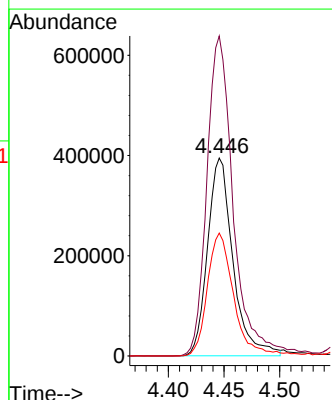
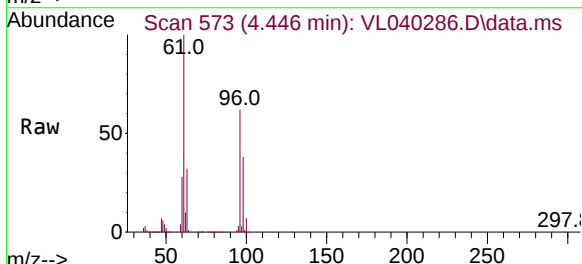
Tgt Ion: 96 Resp: 626486

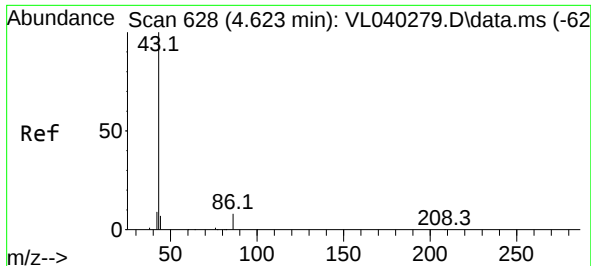
Ion Ratio Lower Upper

96 100

61 161.8 125.4 188.2

98 62.1 49.8 74.6

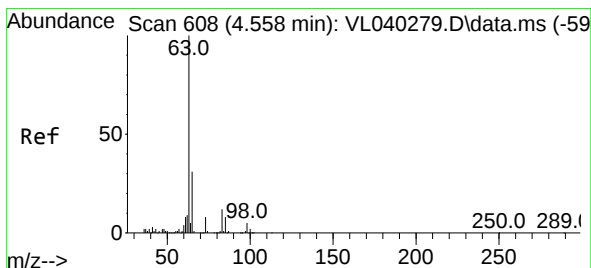
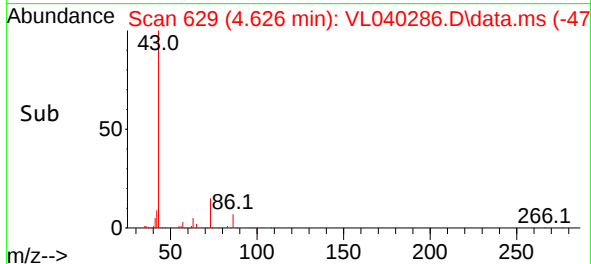
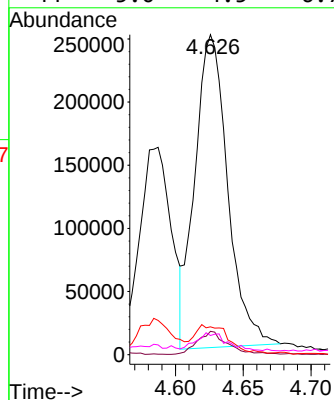
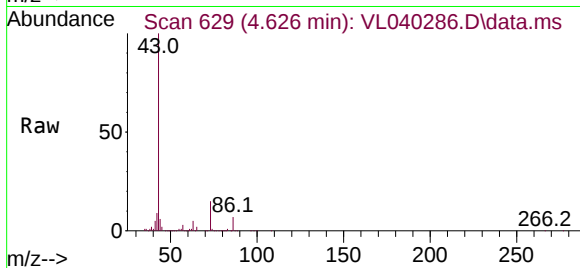




#23
 Vinyl Acetate
 Concen: 10.372 ppbv
 RT: 4.626 min Scan# 610
 Delta R.T. 0.003 min
 Lab File: VL040286.D
 Acq: 15 Mar 2023 16:20

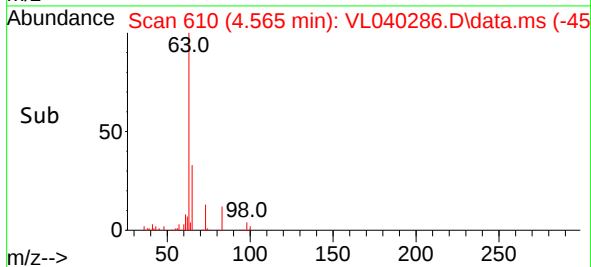
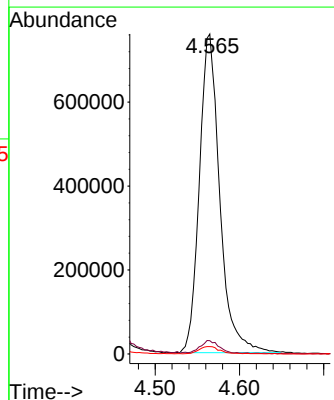
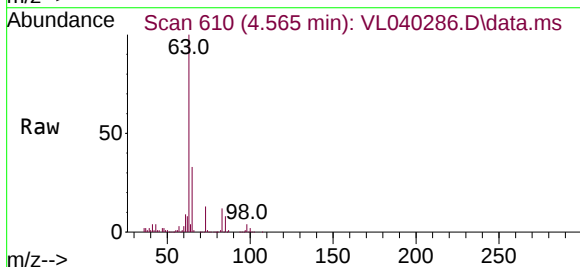
Instrument :
 MSVOA_1
 ClientSampleId :
 ICVVL031523

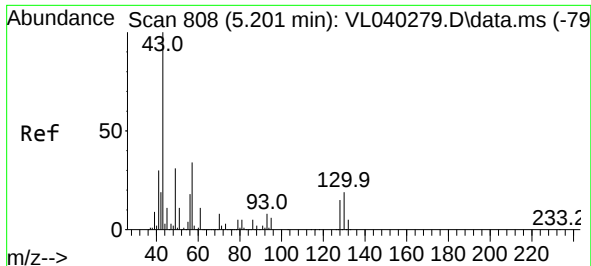
Tgt Ion:	43	Resp:	417223
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.0	7.4
42	8.2	9.1	13.7#
44	5.0	4.5	6.7



#24
 1,1-Dichloroethane
 Concen: 8.921 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. 0.006 min
 Lab File: VL040286.D
 Acq: 15 Mar 2023 16:20

Tgt Ion:	63	Resp:	1279967
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.4	7.2
100	2.3	1.2	3.6



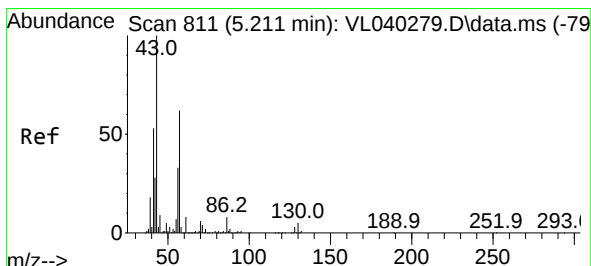
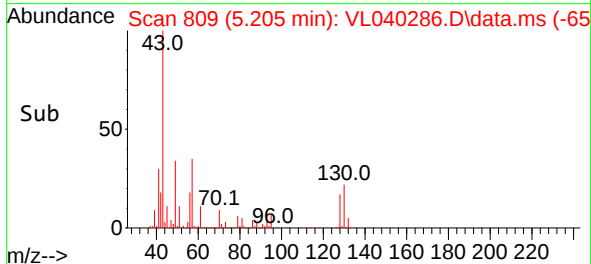
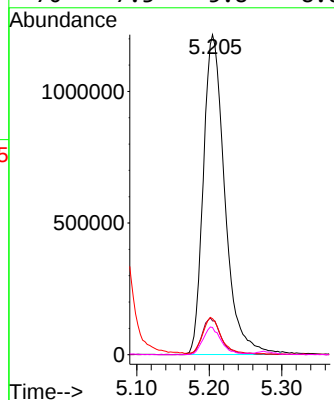
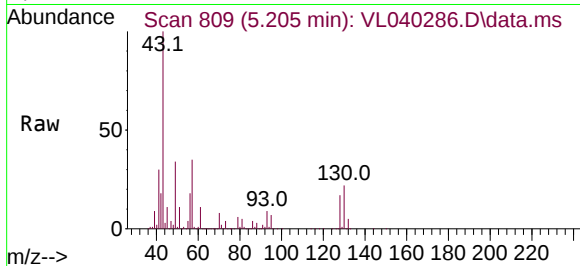


#25
Ethyl Acetate
Concen: 9.245 ppbv
RT: 5.205 min Scan# 808
Delta R.T. 0.003 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031523

Tgt Ion: 43 Resp: 2502740

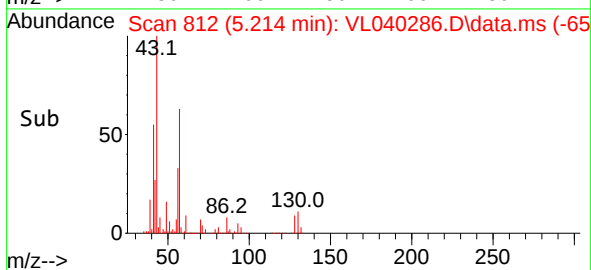
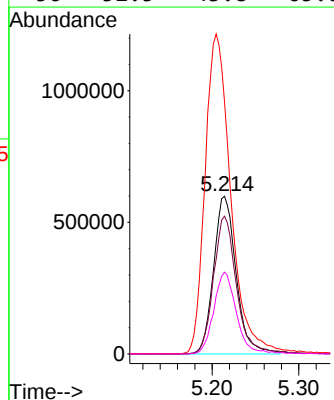
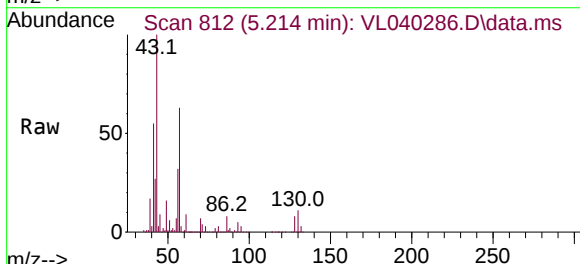
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.6	12.8
61	10.6	8.4	12.6
70	7.3	5.8	8.6

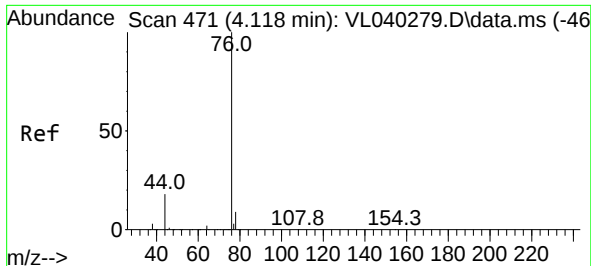


#26
Hexane
Concen: 9.745 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.003 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Tgt Ion: 57 Resp: 1082876

Ion	Ratio	Lower	Upper
57	100		
41	90.2	73.5	110.3
43	233.5	196.3	294.5
56	52.5	43.8	65.8



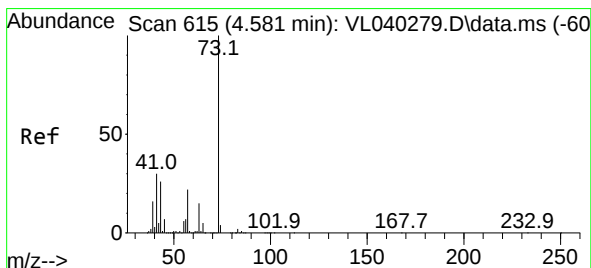
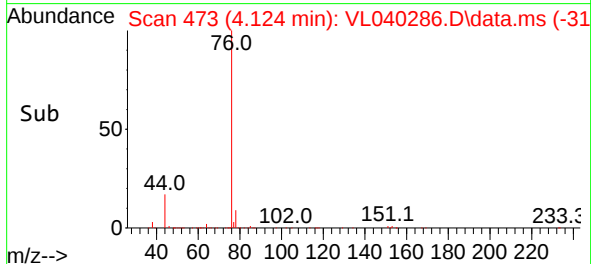
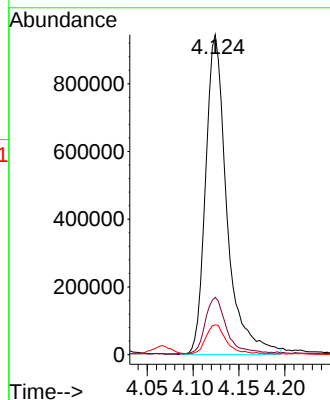
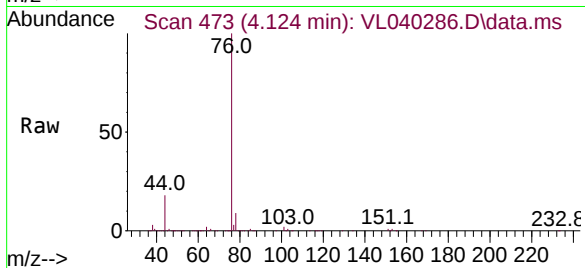


#27
Carbon Disulfide
Concen: 9.821 ppbv
RT: 4.124 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031523

Tgt Ion: 76 Resp: 1524231

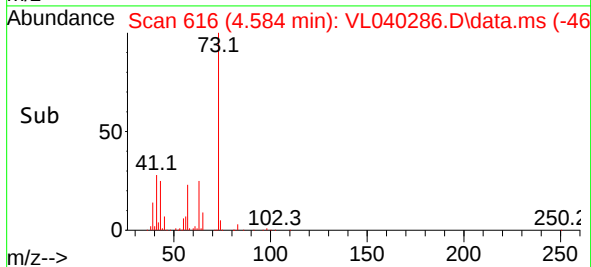
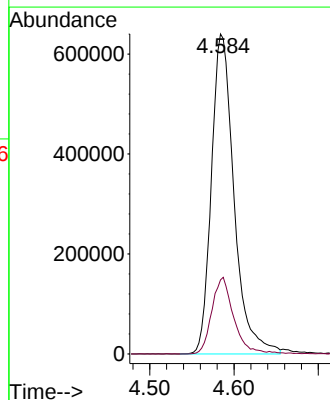
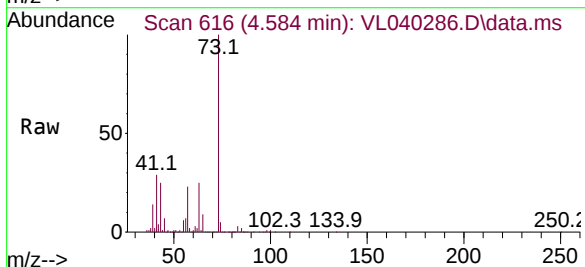
Ion	Ratio	Lower	Upper
76	100		
44	18.1	15.2	22.8
78	9.6	7.6	11.4

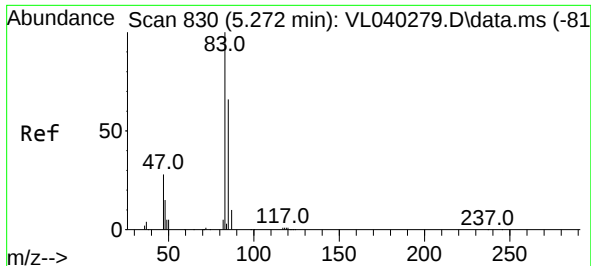


#28
Methyl tert-Butyl Ether
Concen: 9.353 ppbv
RT: 4.584 min Scan# 616
Delta R.T. 0.003 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Tgt Ion: 73 Resp: 1193259

Ion	Ratio	Lower	Upper
73	100		
57	23.5	18.4	27.6





#29

Chloroform

Concen: 9.127 ppbv

RT: 5.275 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

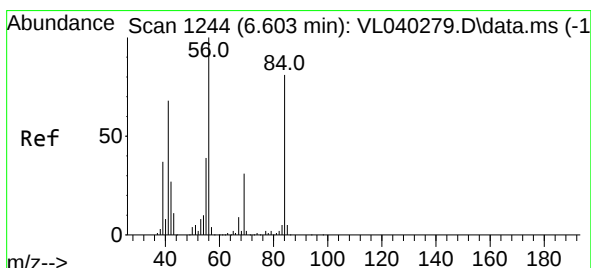
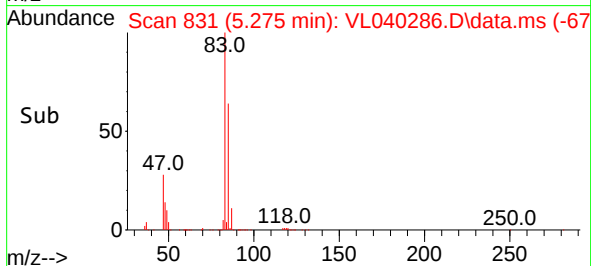
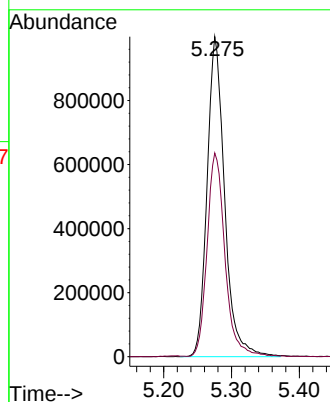
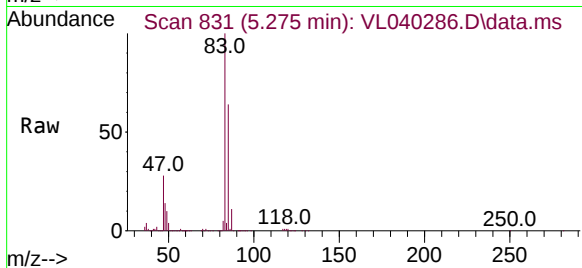
ICVVL031523

Tgt Ion: 83 Resp: 1790770

Ion Ratio Lower Upper

83 100

85 63.5 52.8 79.2



#30

Cyclohexane

Concen: 10.302 ppbv

RT: 6.606 min Scan# 1245

Delta R.T. 0.003 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

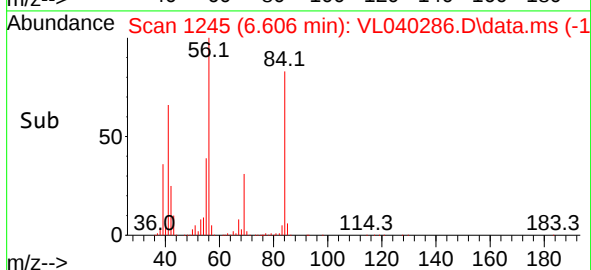
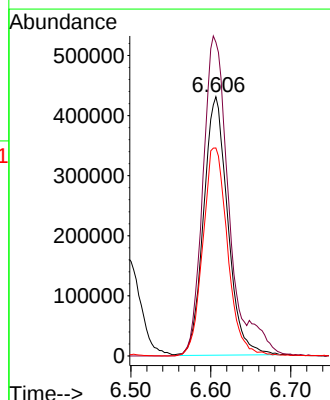
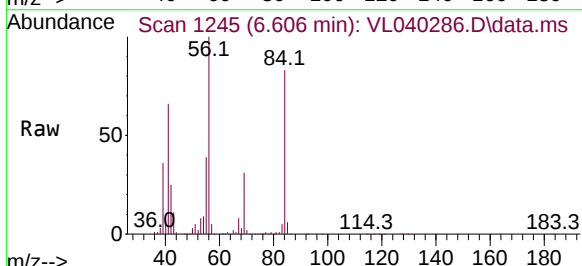
Tgt Ion: 84 Resp: 902069

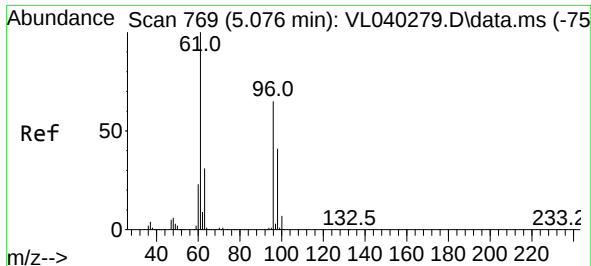
Ion Ratio Lower Upper

84 100

56 135.4 109.0 163.4

41 83.0 67.9 101.9

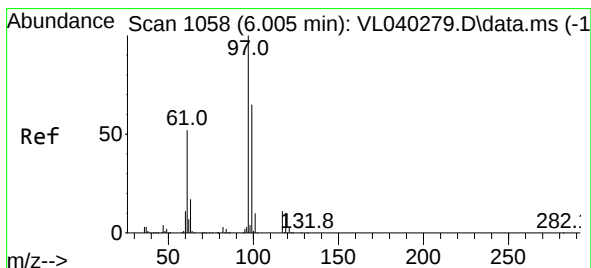
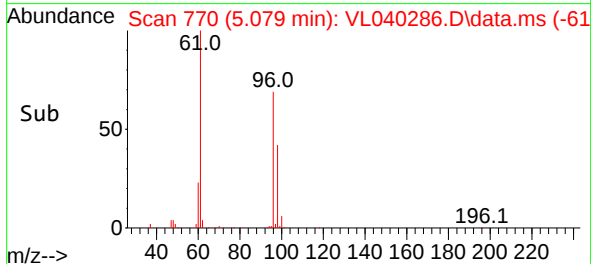
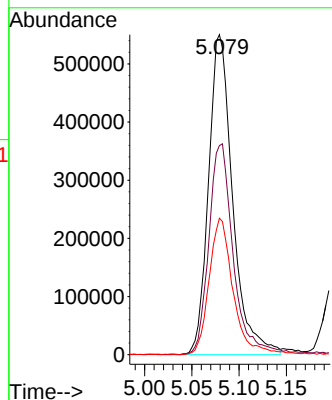
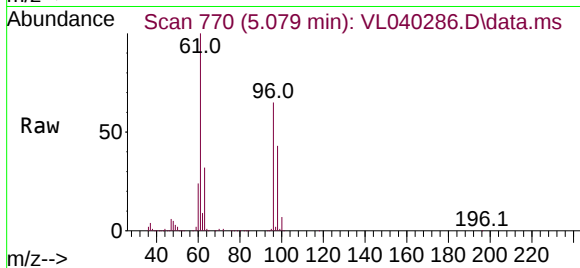




#31
 cis-1,2-Dichloroethene
 Concen: 9.026 ppbv
 RT: 5.079 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL040286.D
 Acq: 15 Mar 2023 16:20

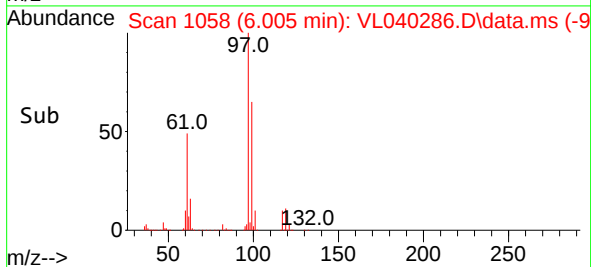
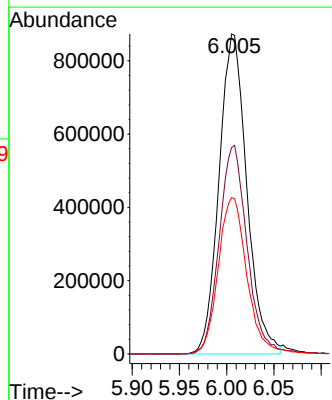
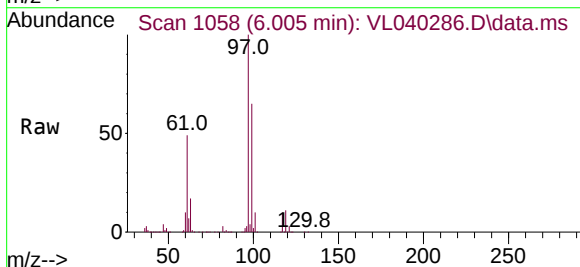
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031523

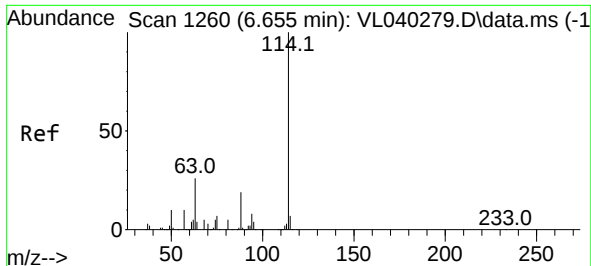
Tgt Ion: 61 Resp: 976757
 Ion Ratio Lower Upper
 61 100
 96 65.3 51.8 77.8
 98 42.7 32.5 48.7



#32
 1,1,1-Trichloroethane
 Concen: 9.493 ppbv
 RT: 6.005 min Scan# 1058
 Delta R.T. -0.000 min
 Lab File: VL040286.D
 Acq: 15 Mar 2023 16:20

Tgt Ion: 97 Resp: 1784586
 Ion Ratio Lower Upper
 97 100
 99 65.8 52.2 78.2
 61 50.7 41.4 62.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031523

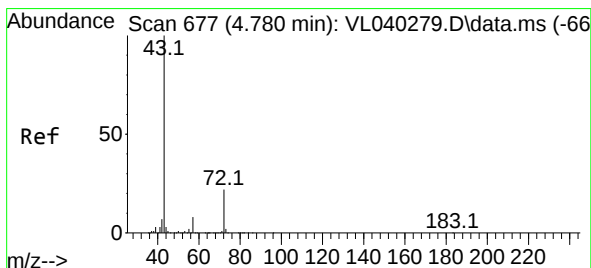
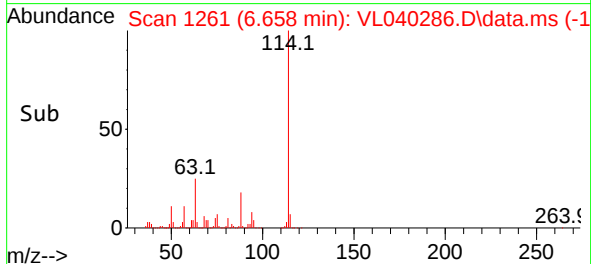
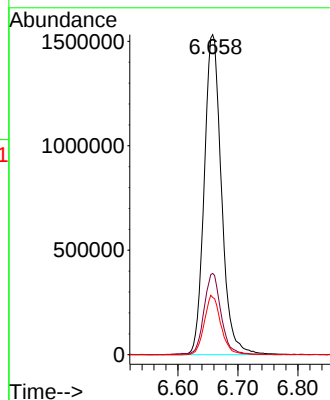
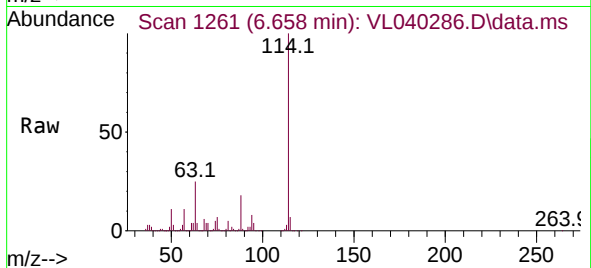
Tgt Ion:114 Resp: 3064762

Ion Ratio Lower Upper

114 100

63 25.3 21.2 31.8

88 17.9 14.5 21.7



#34

2-Butanone

Concen: 9.081 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.006 min

Lab File: VL040286.D

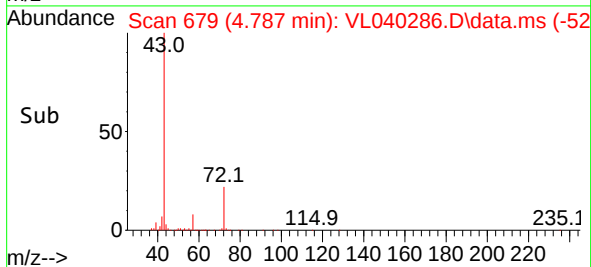
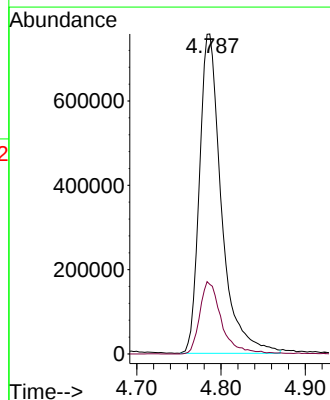
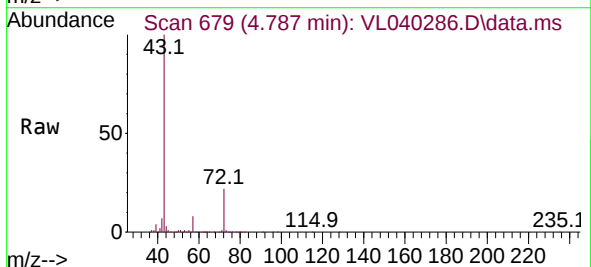
Acq: 15 Mar 2023 16:20

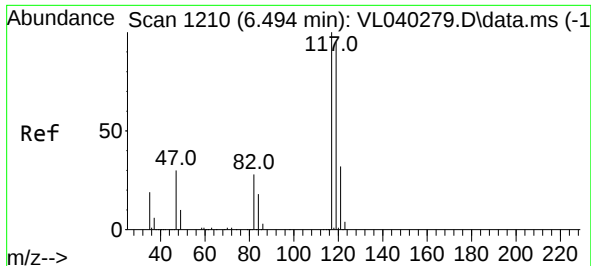
Tgt Ion: 43 Resp: 1373554

Ion Ratio Lower Upper

43 100

72 22.8 18.3 27.5

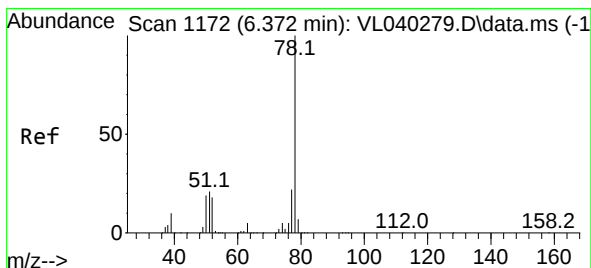
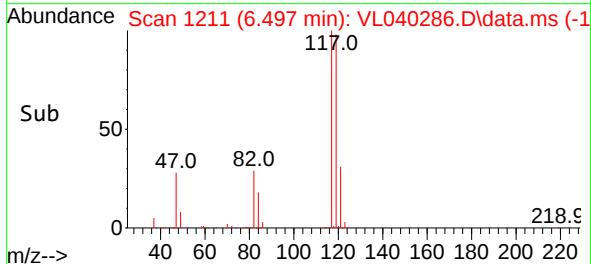
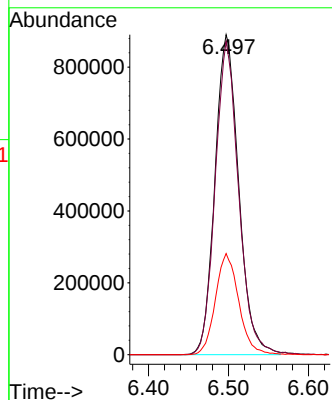
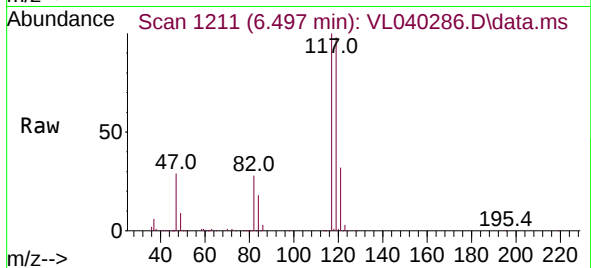




#35
Carbon Tetrachloride
Concen: 9.557 ppbv
RT: 6.497 min Scan# 1173
Delta R.T. 0.003 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

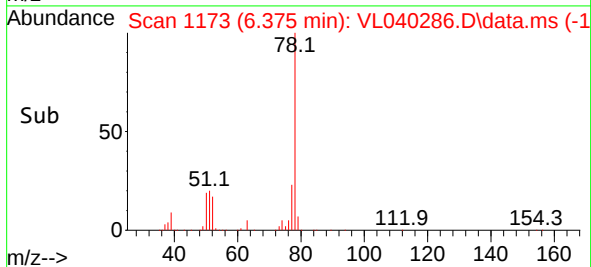
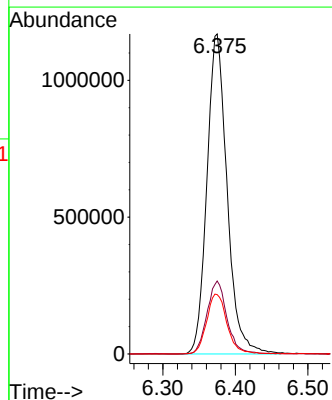
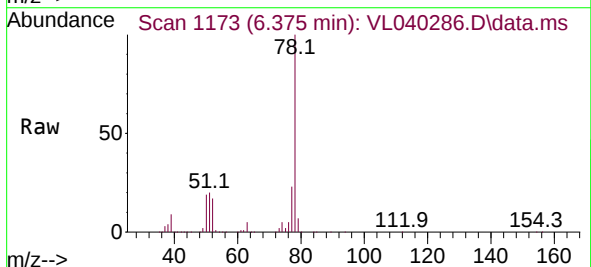
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031523

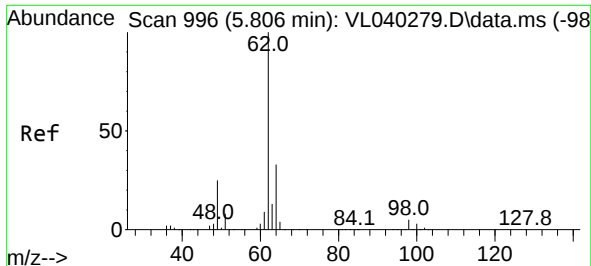
Tgt Ion:117 Resp: 1838115
Ion Ratio Lower Upper
117 100
119 97.8 76.4 114.6
121 31.6 25.6 38.4



#36
Benzene
Concen: 9.676 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.003 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Tgt Ion: 78 Resp: 2259958
Ion Ratio Lower Upper
78 100
77 22.7 17.8 26.8
50 18.6 15.4 23.2

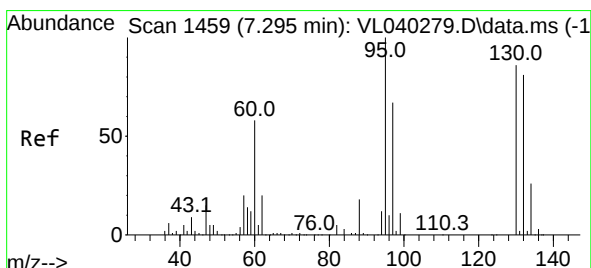
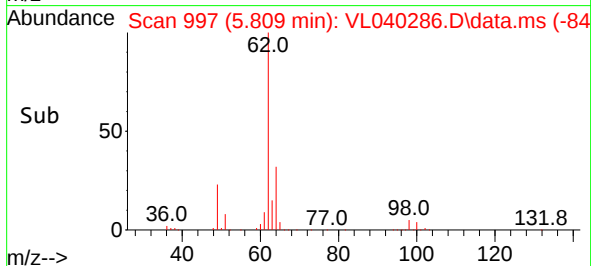
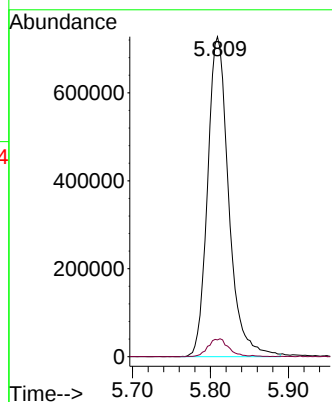
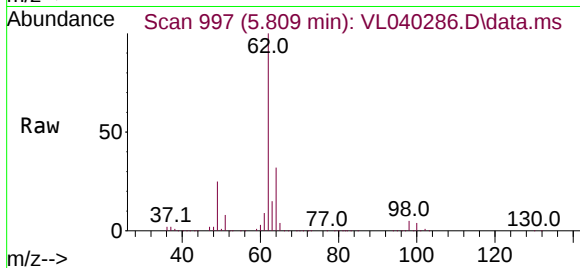




#37
1,2-Dichloroethane
Concen: 9.019 ppbv
RT: 5.809 min Scan# 996
Delta R.T. 0.003 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

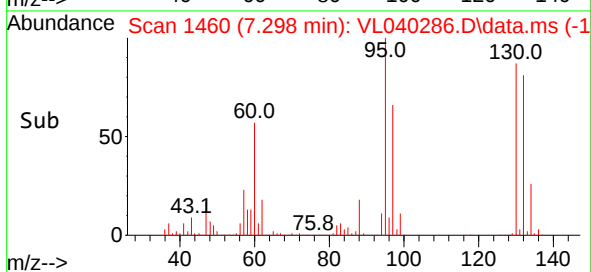
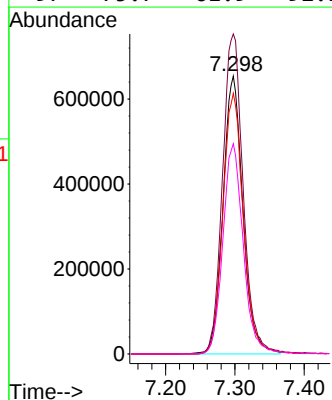
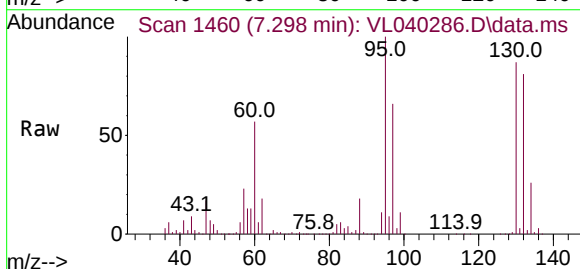
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031523

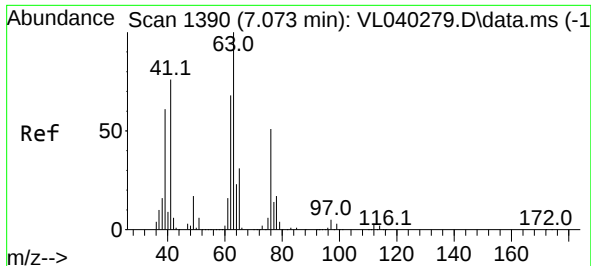
Tgt Ion: 62 Resp: 1371038
Ion Ratio Lower Upper
62 100
98 5.7 4.3 6.5



#38
Trichloroethene
Concen: 10.245 ppbv
RT: 7.298 min Scan# 1460
Delta R.T. 0.003 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Tgt Ion:130 Resp: 1307641
Ion Ratio Lower Upper
130 100
95 115.1 93.0 139.4
132 93.8 75.3 112.9
97 75.7 61.9 92.9





#39

1,2-Dichloropropane

Concen: 9.263 ppbv

RT: 7.079 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031523

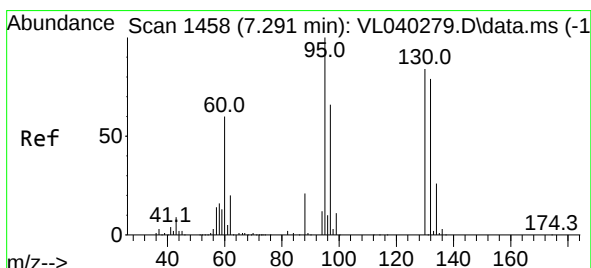
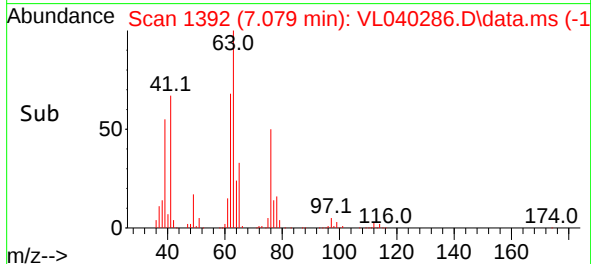
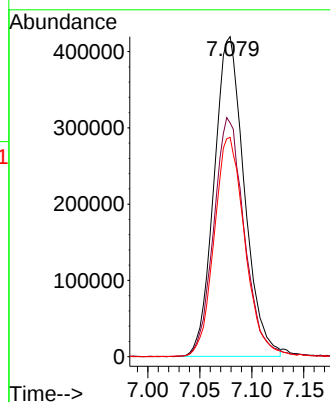
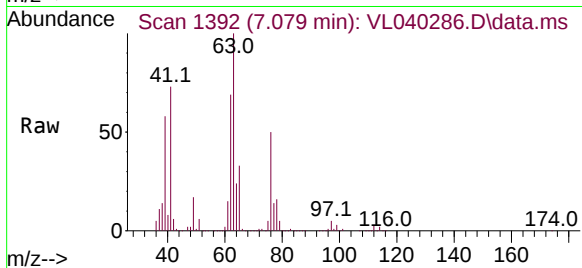
Tgt Ion: 63 Resp: 848832

Ion Ratio Lower Upper

63 100

41 73.0 60.8 91.2

62 68.3 54.1 81.1



#40

1,4-Dioxane

Concen: 3.879 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. -0.003 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

Tgt Ion: 88 Resp: 140612

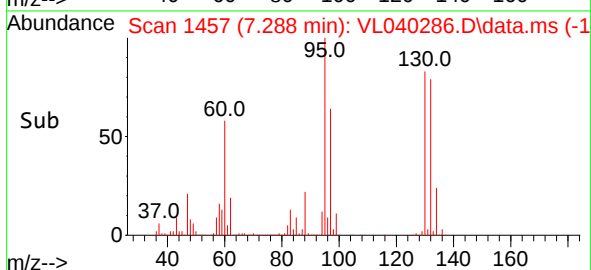
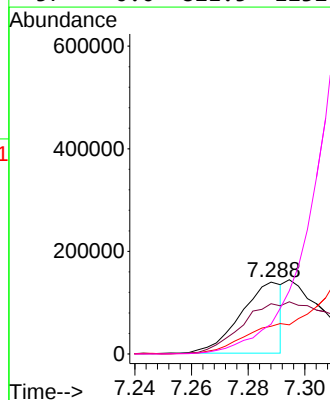
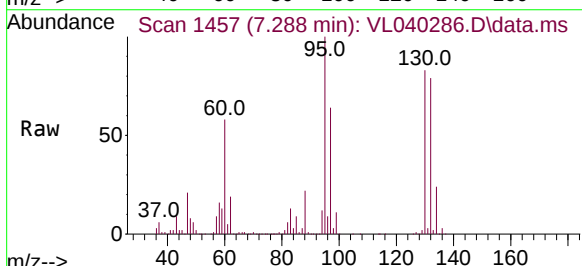
Ion Ratio Lower Upper

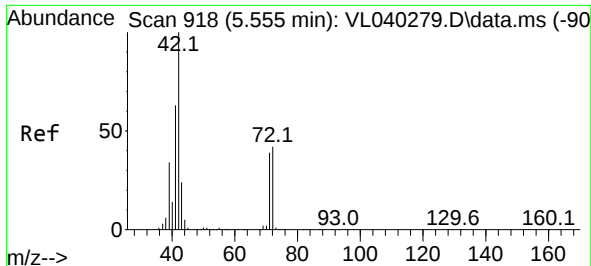
88 100

58 0.0 96.0 144.0#

43 0.0 187.6 281.4#

57 0.0 821.5 1232.3#

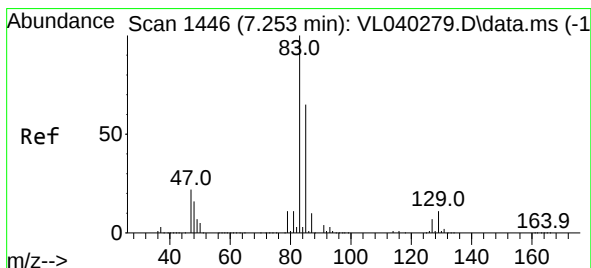
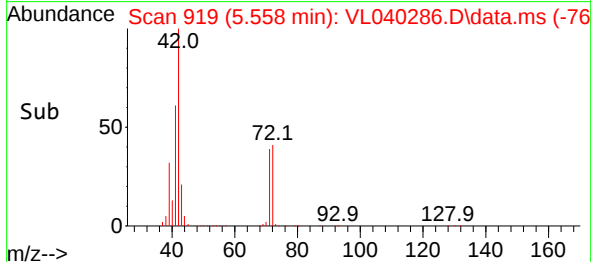
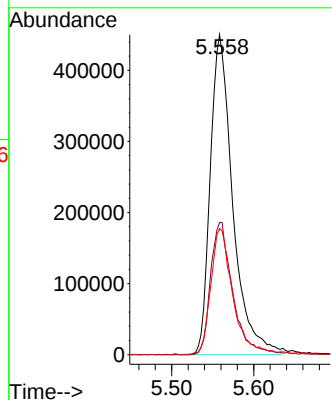
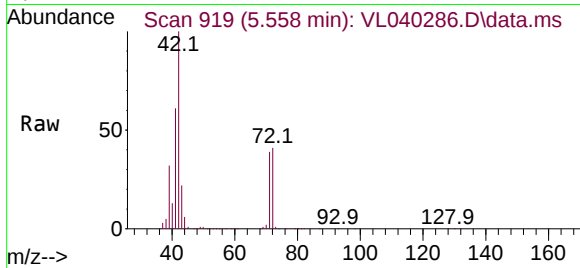




#41
Tetrahydrofuran
Concen: 9.825 ppbv
RT: 5.558 min Scan# 918
Delta R.T. 0.003 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

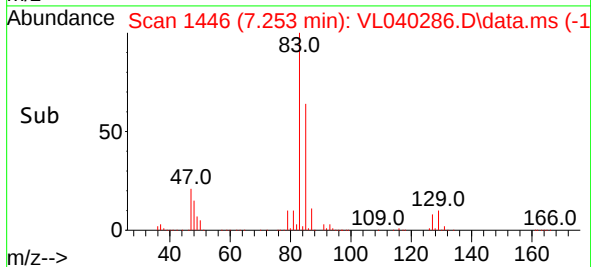
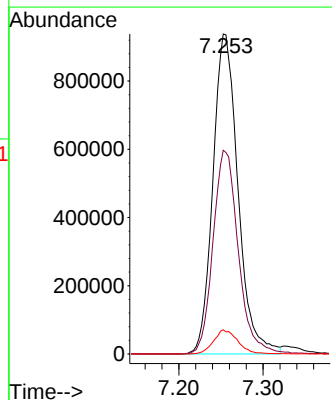
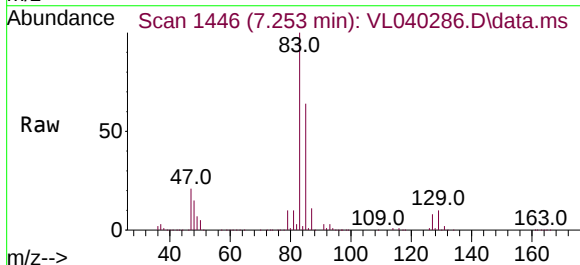
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031523

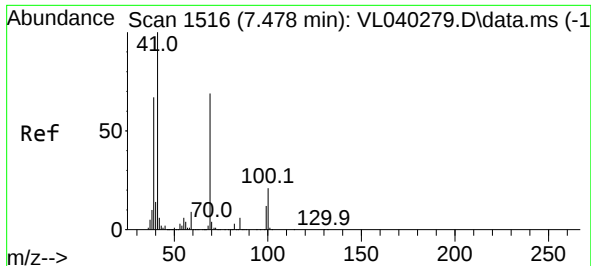
Tgt Ion: 42 Resp: 857687
Ion Ratio Lower Upper
42 100
72 41.4 32.6 49.0
71 39.2 31.0 46.4



#42
Bromodichloromethane
Concen: 9.331 ppbv
RT: 7.253 min Scan# 1446
Delta R.T. -0.000 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Tgt Ion: 83 Resp: 1938336
Ion Ratio Lower Upper
83 100
85 63.7 52.1 78.1
127 7.6 5.8 8.6

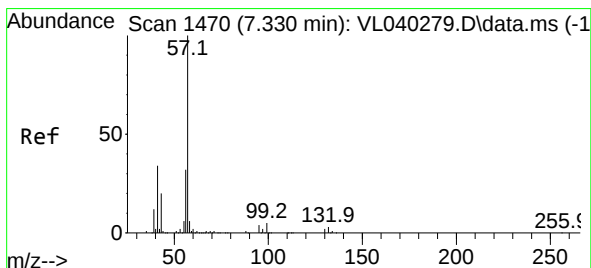
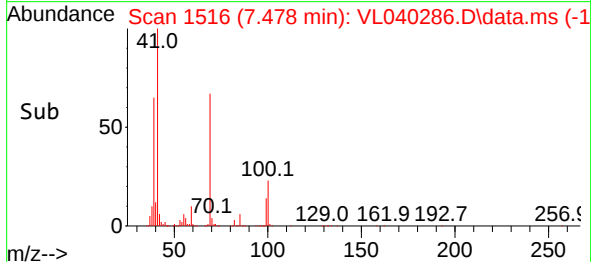
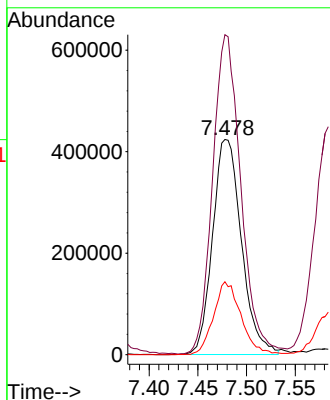
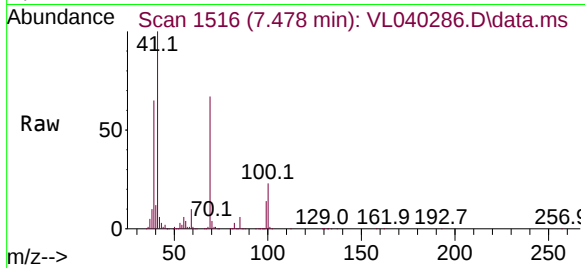




#43
Methyl Methacrylate
Concen: 10.072 ppbv
RT: 7.478 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

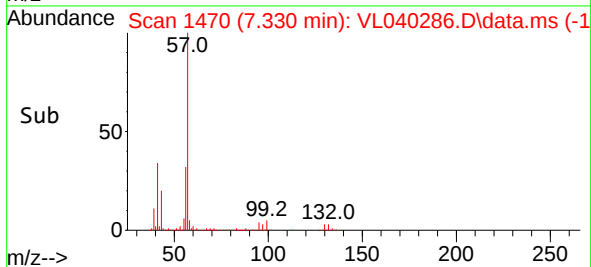
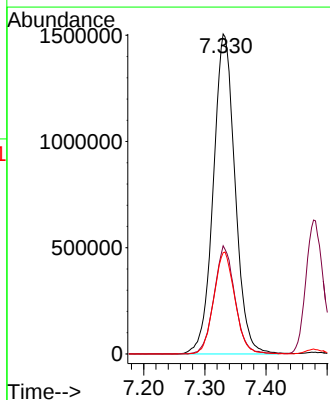
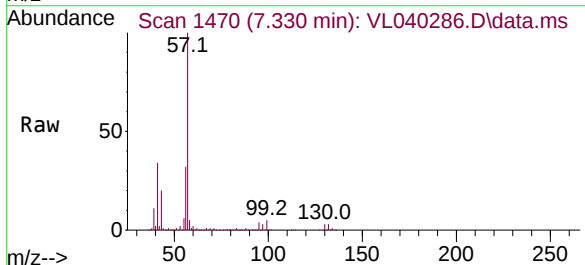
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031523

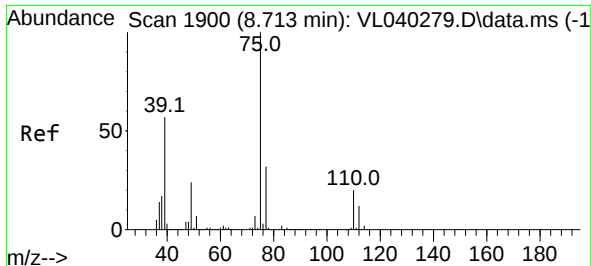
Tgt Ion: 69 Resp: 874247
Ion Ratio Lower Upper
69 100
41 145.2 116.9 175.3
100 32.3 24.2 36.4



#44
2,2,4-Trimethylpentane
Concen: 9.551 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Tgt Ion: 57 Resp: 3719241
Ion Ratio Lower Upper
57 100
41 32.4 26.8 40.2
56 31.1 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 10.821 ppbv

RT: 8.716 min Scan# 1900

Delta R.T. 0.003 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

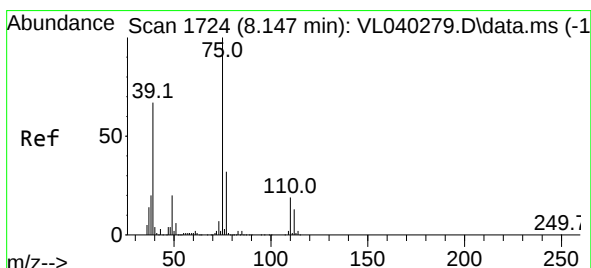
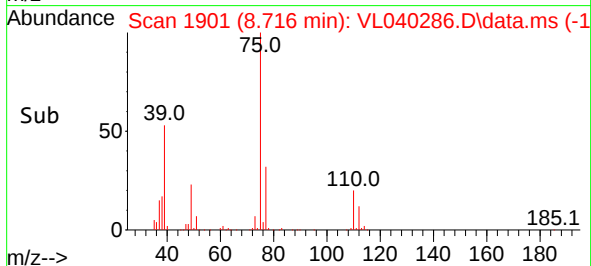
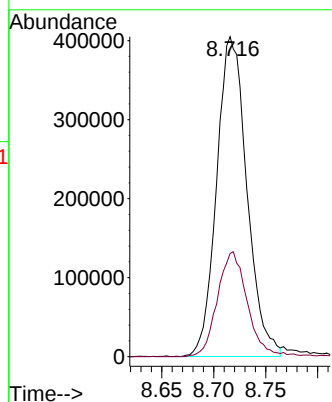
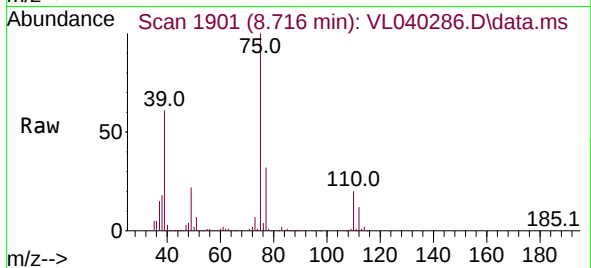
ICVVL031523

Tgt Ion: 75 Resp: 818774

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0



#46

cis-1,3-Dichloropropene

Concen: 10.687 ppbv

RT: 8.150 min Scan# 1725

Delta R.T. 0.003 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

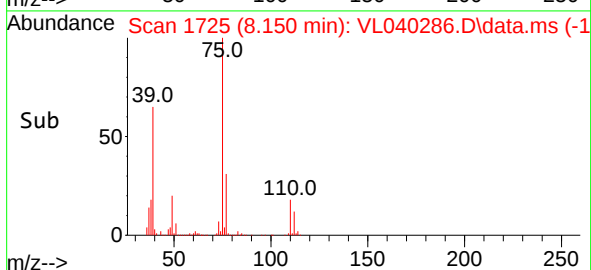
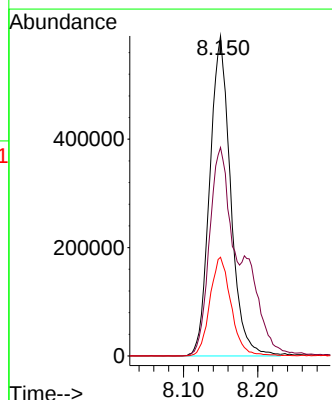
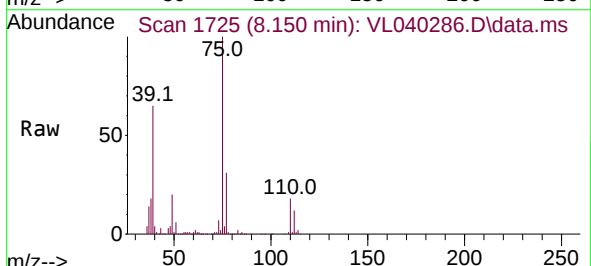
Tgt Ion: 75 Resp: 1148250

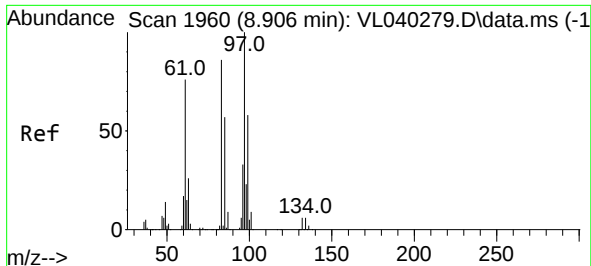
Ion Ratio Lower Upper

75 100

39 65.1 53.9 80.9

77 30.9 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 9.086 ppbv

RT: 8.909 min Scan# 1960

Delta R.T. 0.003 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031523

Tgt Ion: 97 Resp: 888354

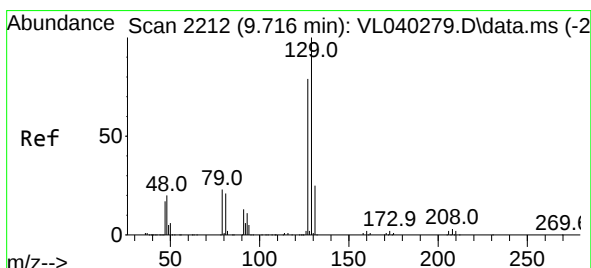
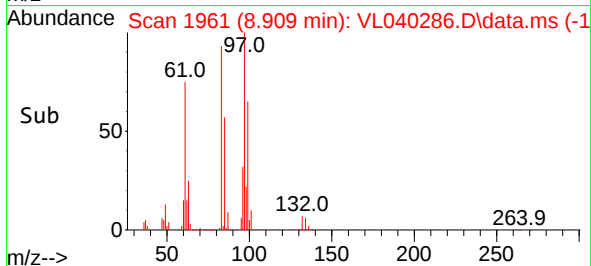
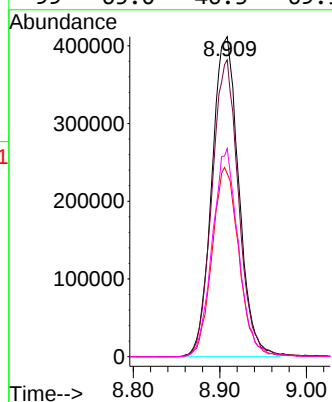
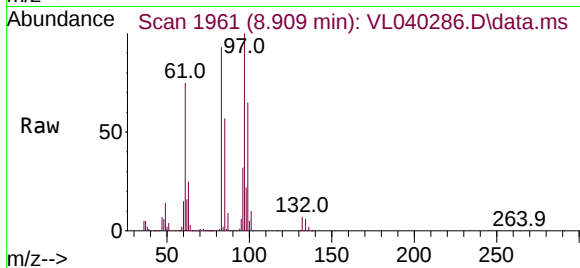
Ion Ratio Lower Upper

97 100

83 92.7 68.6 103.0

85 57.2 46.0 69.0

99 65.0 46.3 69.5



#48

Dibromochloromethane

Concen: 9.331 ppbv

RT: 9.719 min Scan# 2213

Delta R.T. 0.003 min

Lab File: VL040286.D

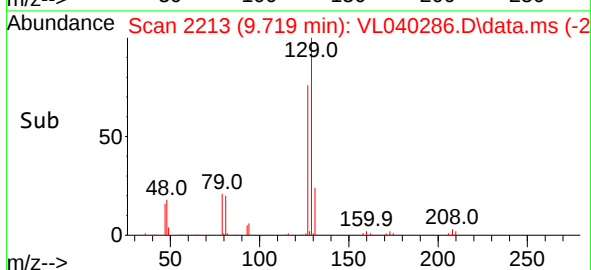
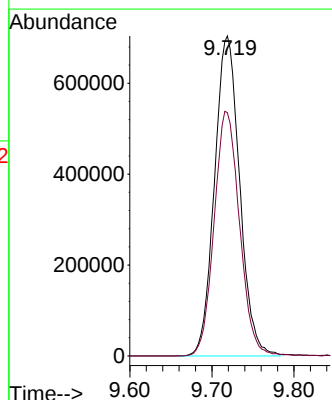
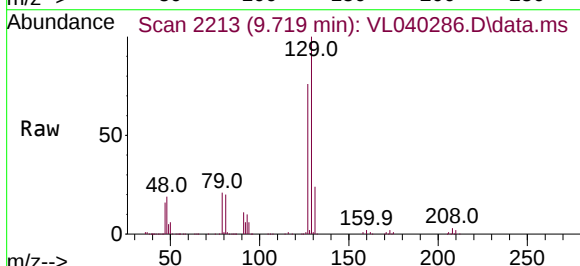
Acq: 15 Mar 2023 16:20

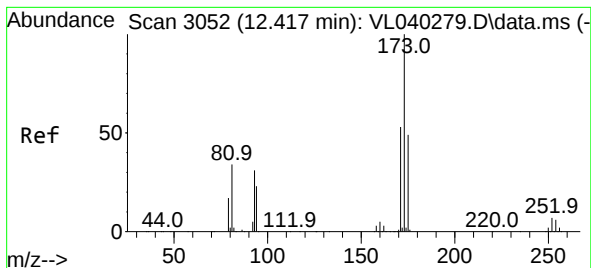
Tgt Ion: 129 Resp: 1501238

Ion Ratio Lower Upper

129 100

127 77.4 39.1 117.5





#49

Bromoform

Concen: 9.133 ppbv

RT: 12.420 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031523

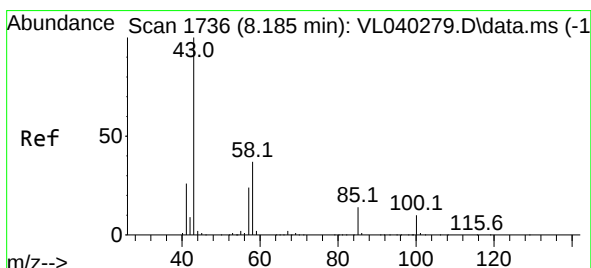
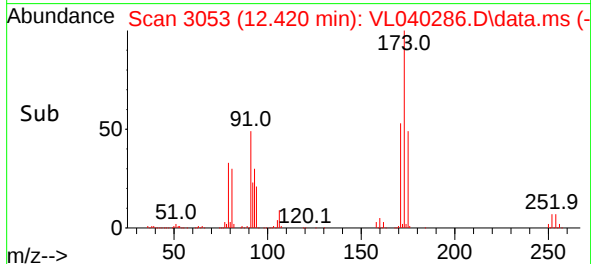
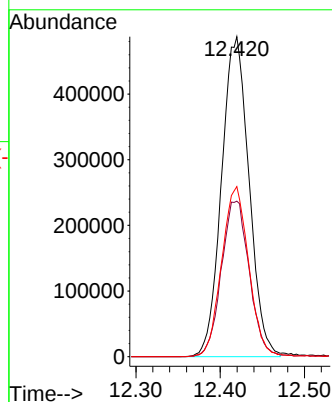
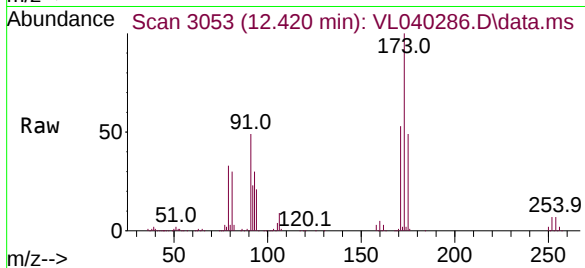
Tgt Ion:173 Resp: 1103689

Ion Ratio Lower Upper

173 100

175 49.8 39.8 59.8

171 52.4 42.2 63.4



#50

4-Methyl-2-Pentanone

Concen: 9.536 ppbv

RT: 8.185 min Scan# 1736

Delta R.T. -0.000 min

Lab File: VL040286.D

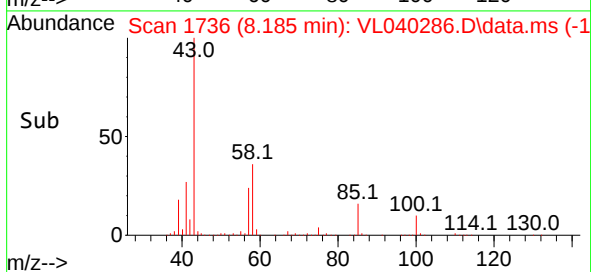
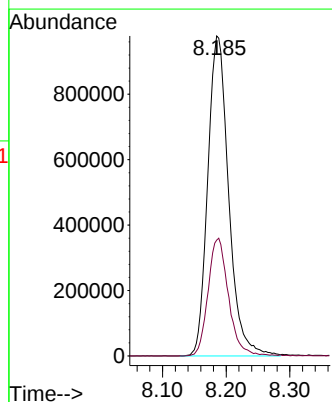
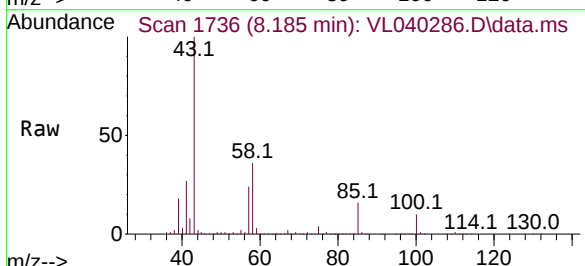
Acq: 15 Mar 2023 16:20

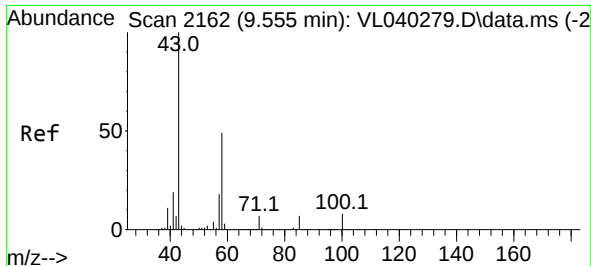
Tgt Ion: 43 Resp: 2231946

Ion Ratio Lower Upper

43 100

58 36.2 29.2 43.8

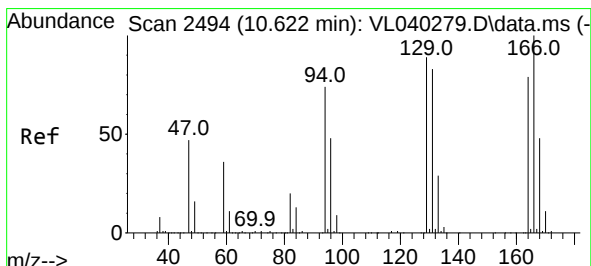
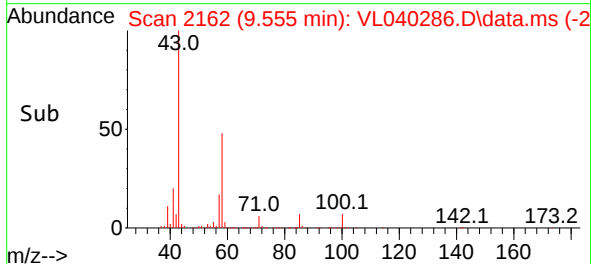
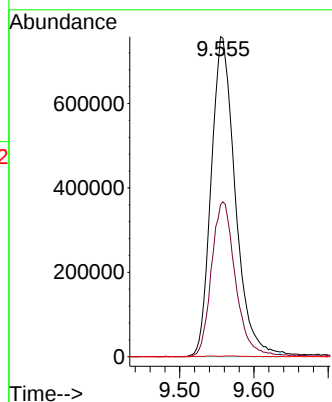
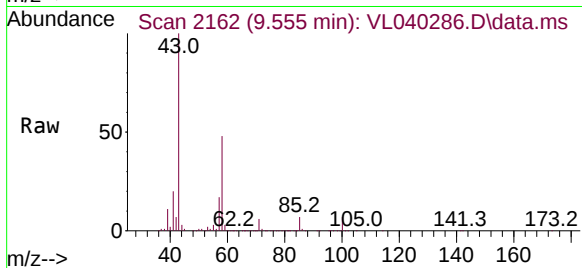




#51
2-Hexanone
Concen: 9.416 ppbv
RT: 9.555 min Scan# 2162
Delta R.T. -0.000 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

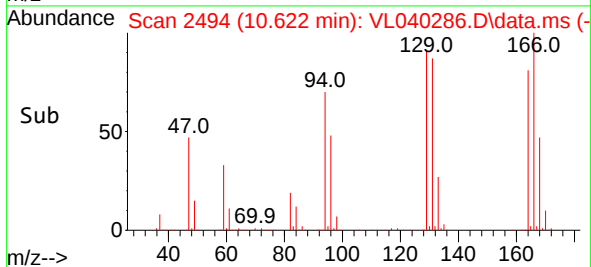
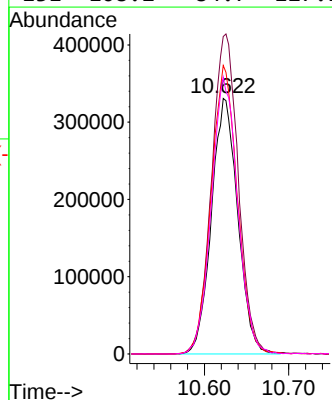
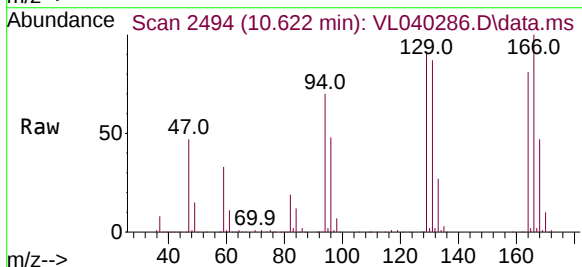
Instrument : MSVOA_L
ClientSampleId : ICVVL031523

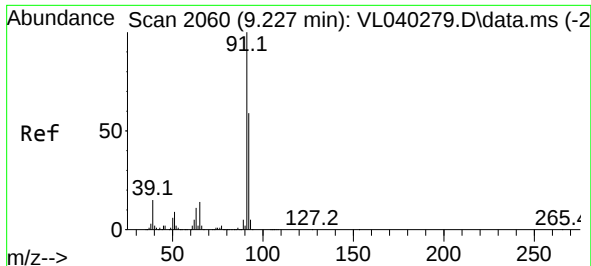
Tgt Ion: 43 Resp: 1707338
Ion Ratio Lower Upper
43 100
58 48.4 38.0 57.0
98 0.3 0.5 0.7#



#52
Tetrachloroethene
Concen: 10.115 ppbv
RT: 10.622 min Scan# 2494
Delta R.T. -0.000 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Tgt Ion: 164 Resp: 714768
Ion Ratio Lower Upper
164 100
166 124.1 101.8 152.6
129 112.7 90.2 135.2
131 108.2 84.7 127.1

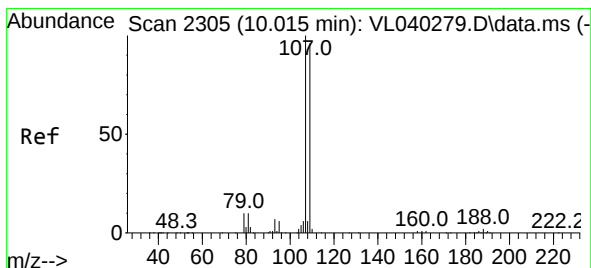
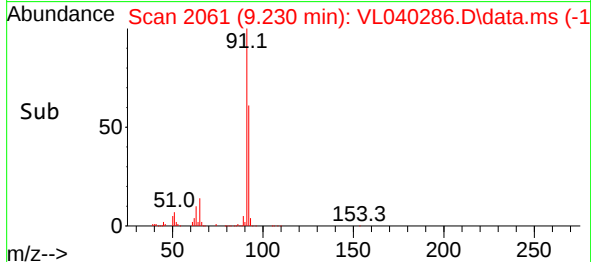
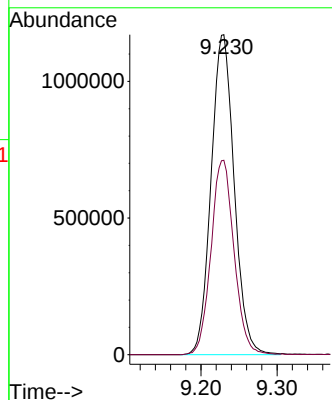
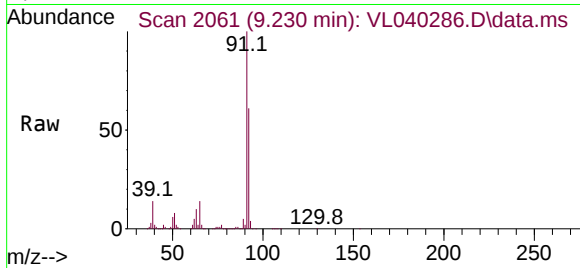




#53
Toluene
Concen: 10.087 ppbv
RT: 9.230 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

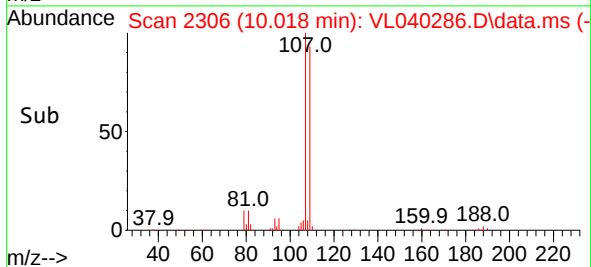
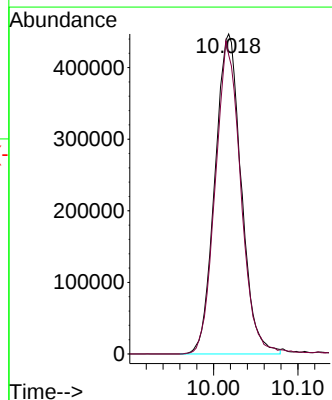
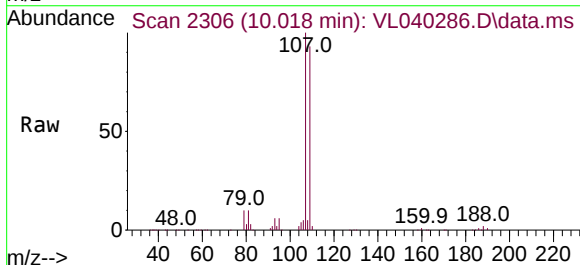
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031523

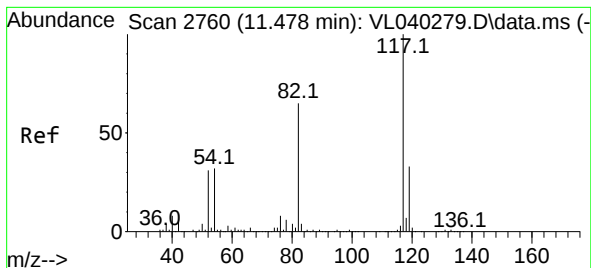
Tgt Ion: 91 Resp: 2468854
Ion Ratio Lower Upper
91 100
92 60.7 48.0 72.0



#54
1,2-Dibromoethane
Concen: 9.610 ppbv
RT: 10.018 min Scan# 2306
Delta R.T. 0.003 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Tgt Ion: 107 Resp: 967103
Ion Ratio Lower Upper
107 100
109 93.5 77.0 115.6

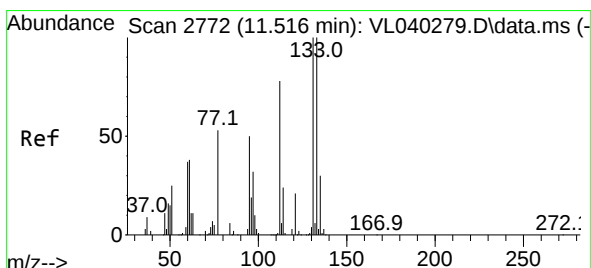
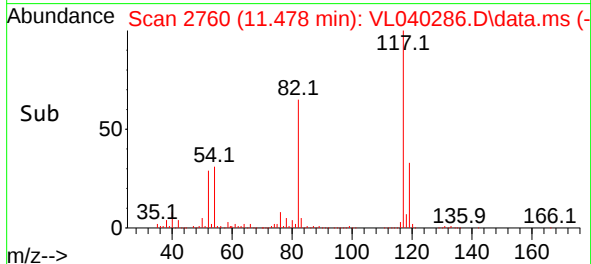
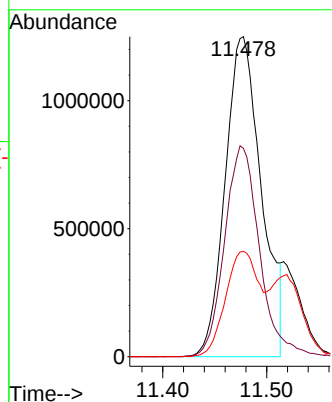
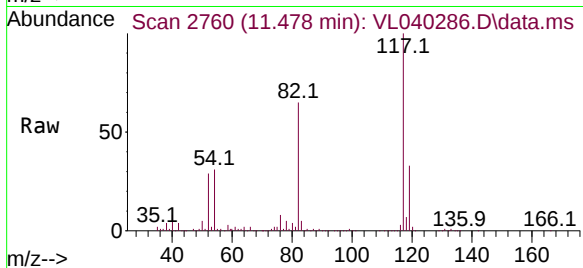




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. -0.000 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

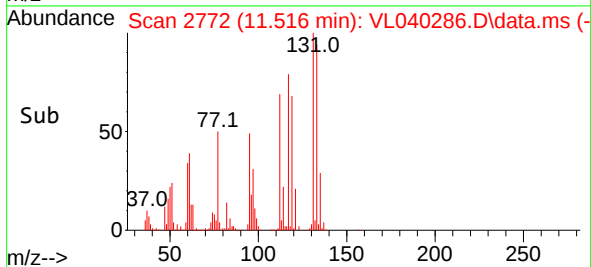
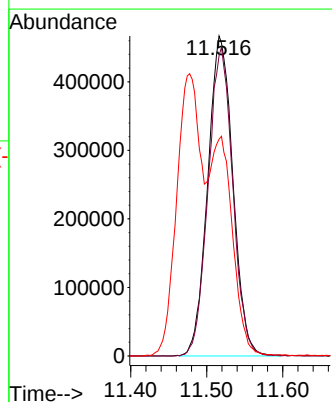
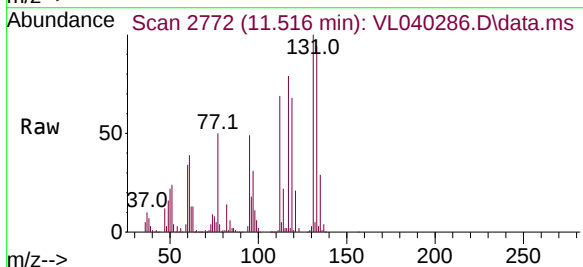
Instrument :
MSVOA_1
ClientSampleId :
ICVVL031523

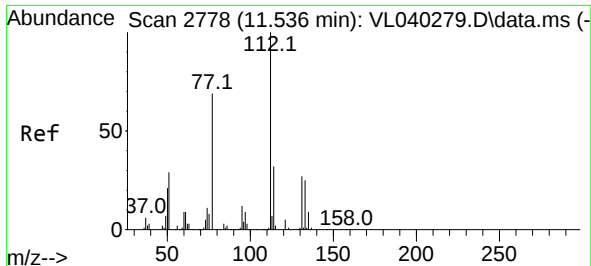
Tgt Ion:117 Resp: 3023496
Ion Ratio Lower Upper
117 100
82 64.1 51.4 77.2
119 33.2 24.0 36.0



#56
1,1,1,2-Tetrachloroethane
Concen: 8.415 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. -0.000 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Tgt Ion:131 Resp: 1070305
Ion Ratio Lower Upper
131 100
133 94.5 76.5 114.7
119 61.1 47.9 71.9





#57

Chlorobenzene

Concen: 8.474 ppbv

RT: 11.535 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031523

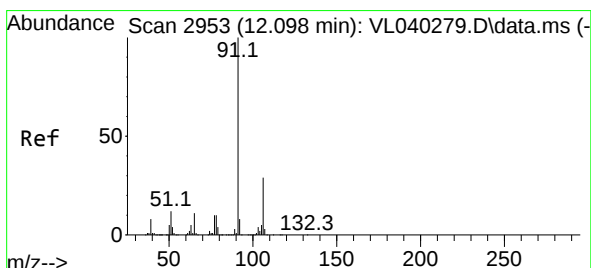
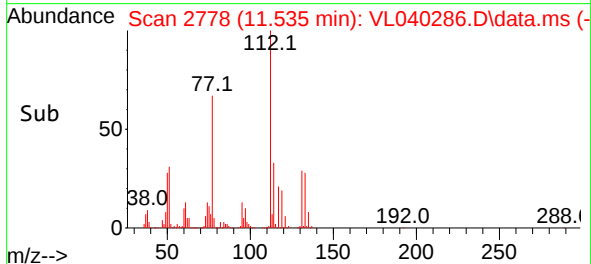
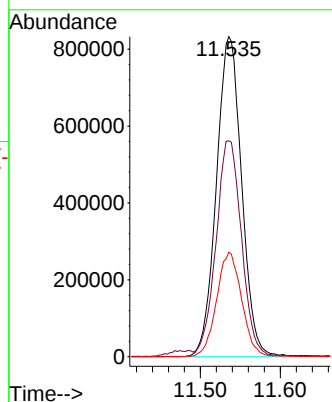
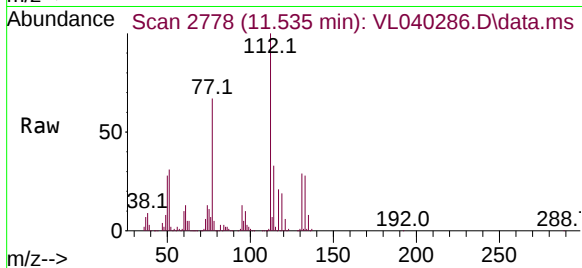
Tgt Ion:112 Resp: 1822437

Ion Ratio Lower Upper

112 100

77 67.2 56.2 84.2

114 32.6 29.0 35.4



#58

Ethyl Benzene

Concen: 9.421 ppbv

RT: 12.098 min Scan# 2953

Delta R.T. -0.000 min

Lab File: VL040286.D

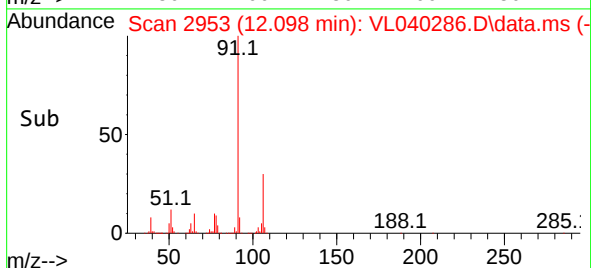
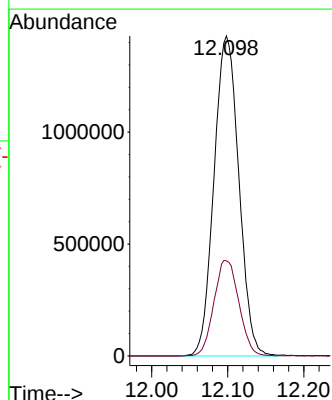
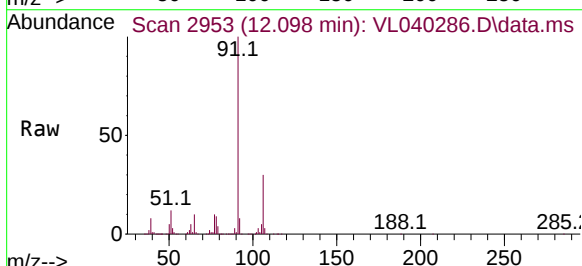
Acq: 15 Mar 2023 16:20

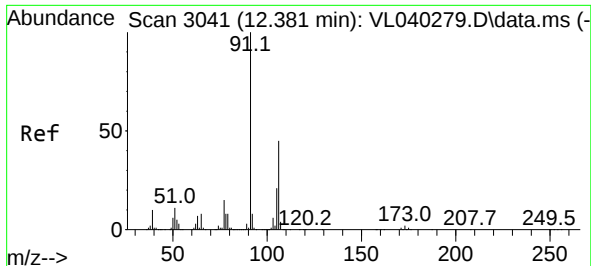
Tgt Ion: 91 Resp: 3243410

Ion Ratio Lower Upper

91 100

106 29.7 23.4 35.2





#59

m/p-Xylene

Concen: 9.341 ppbv

RT: 12.381 min Scan# 3041

Delta R.T. -0.000 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

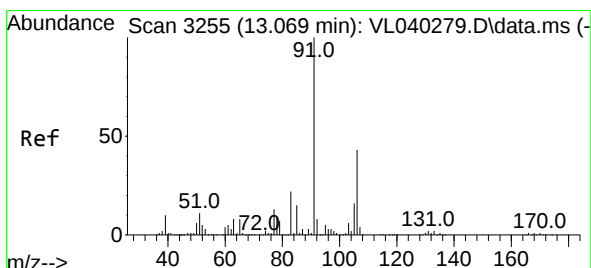
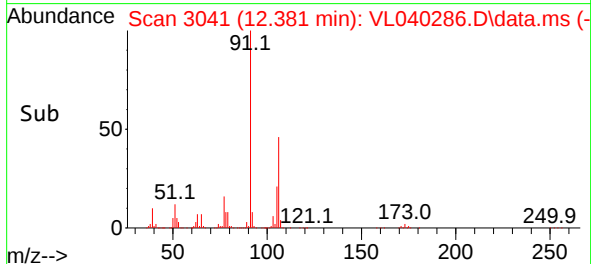
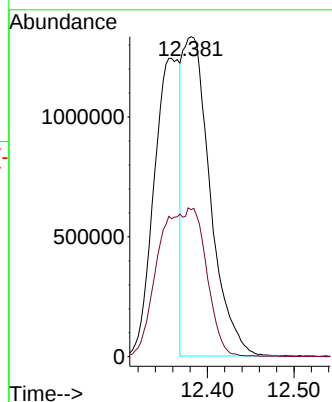
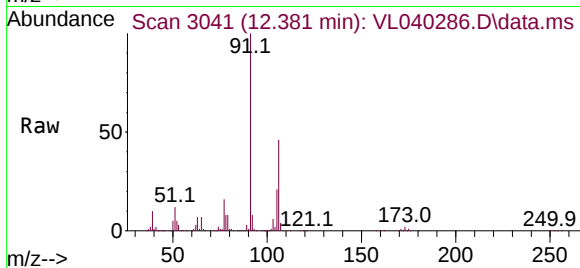
ICVVL031523

Tgt Ion: 91 Resp: 2946105

Ion Ratio Lower Upper

91 100

106 81.4 34.0 51.0#



#60

o-Xylene

Concen: 8.660 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. -0.000 min

Lab File: VL040286.D

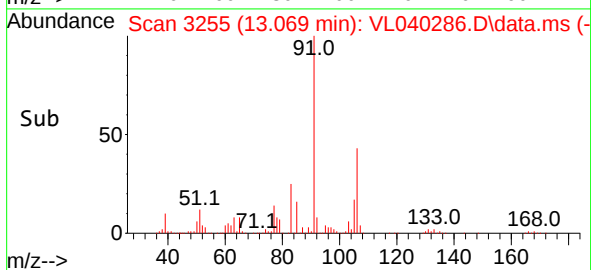
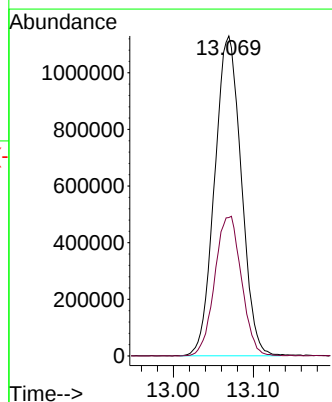
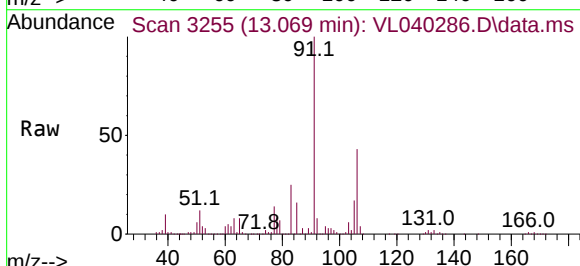
Acq: 15 Mar 2023 16:20

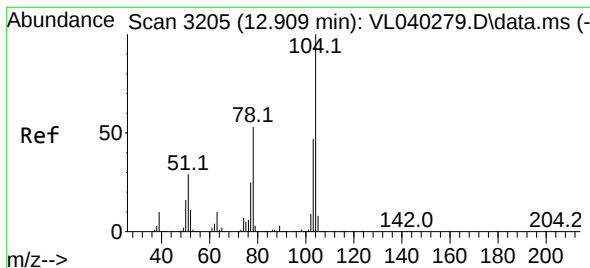
Tgt Ion: 91 Resp: 2610993

Ion Ratio Lower Upper

91 100

106 44.0 21.7 65.1





#61

Styrene

Concen: 9.846 ppbv

RT: 12.908 min Scan# 31

Delta R.T. -0.000 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031523

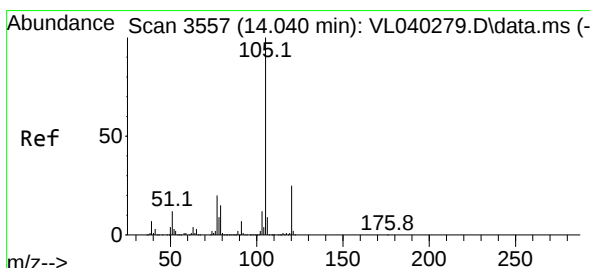
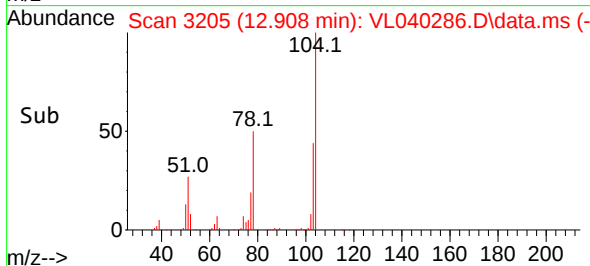
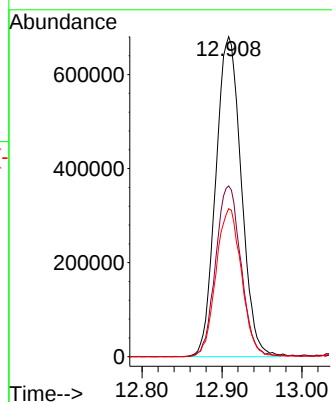
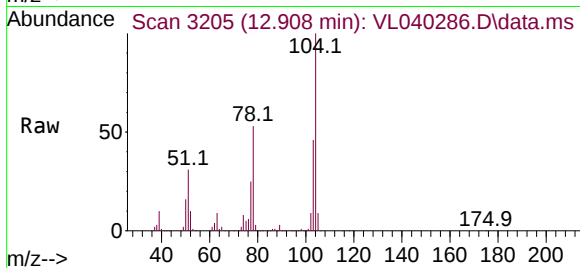
Tgt Ion:104 Resp: 1506320

Ion Ratio Lower Upper

104 100

78 53.1 43.7 65.5

103 46.7 37.4 56.2



#62

Isopropylbenzene

Concen: 8.594 ppbv

RT: 14.040 min Scan# 3557

Delta R.T. -0.000 min

Lab File: VL040286.D

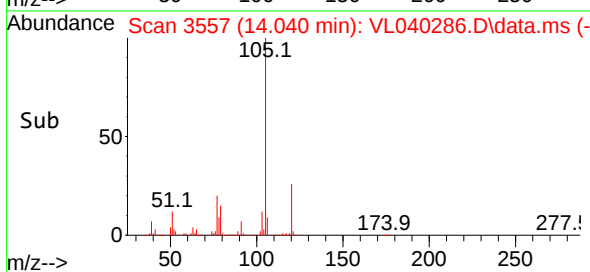
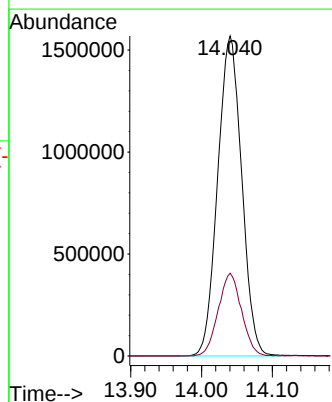
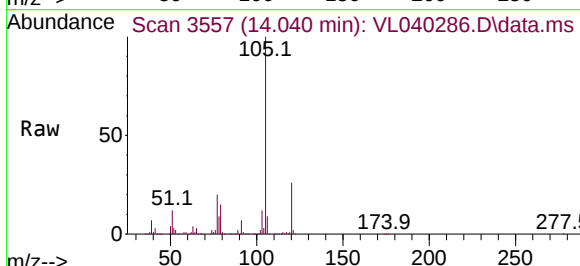
Acq: 15 Mar 2023 16:20

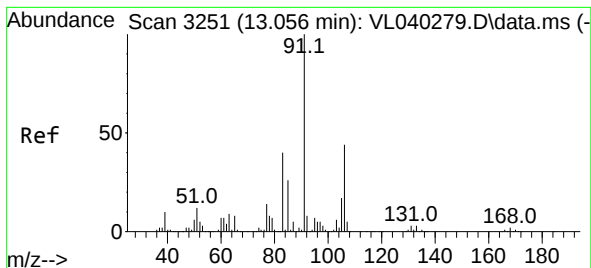
Tgt Ion:105 Resp: 3689593

Ion Ratio Lower Upper

105 100

120 25.2 19.9 29.9

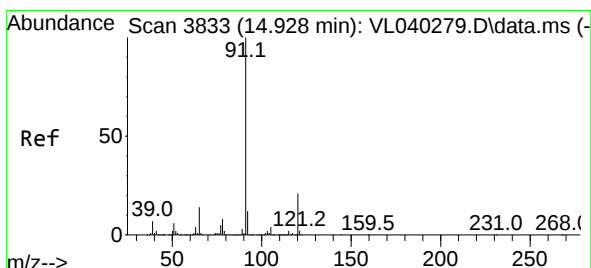
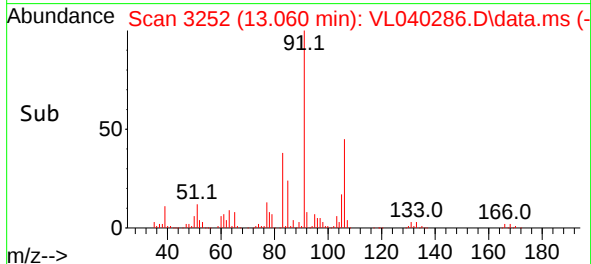
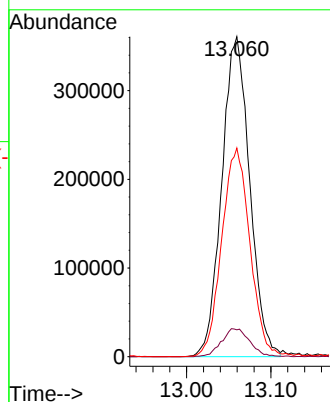
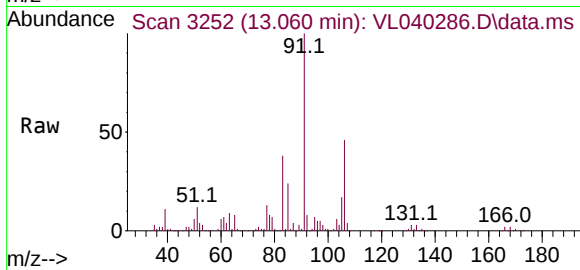




#63
1,1,2,2-Tetrachloroethane
Concen: 7.817 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

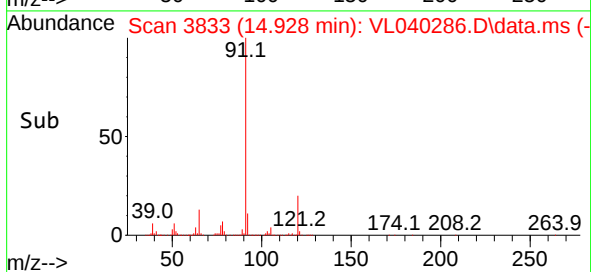
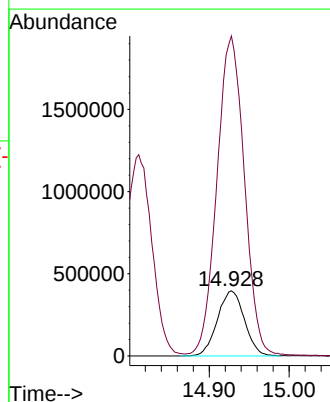
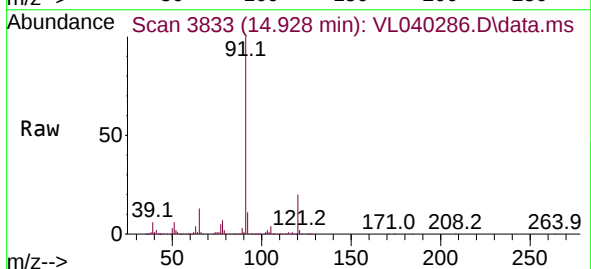
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031523

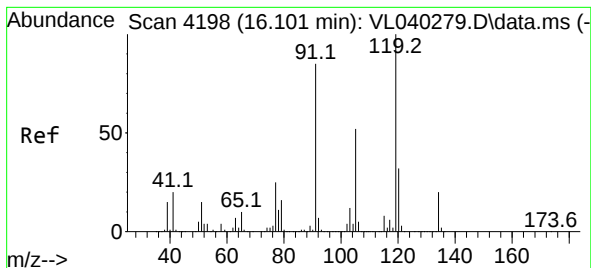
Tgt Ion: 83 Resp: 829240
Ion Ratio Lower Upper
83 100
131 8.9 4.3 12.9
85 66.6 32.7 98.1



#64
n-propylbenzene
Concen: 8.848 ppbv
RT: 14.928 min Scan# 3833
Delta R.T. -0.000 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Tgt Ion: 120 Resp: 929599
Ion Ratio Lower Upper
120 100
91 499.7 399.0 598.6

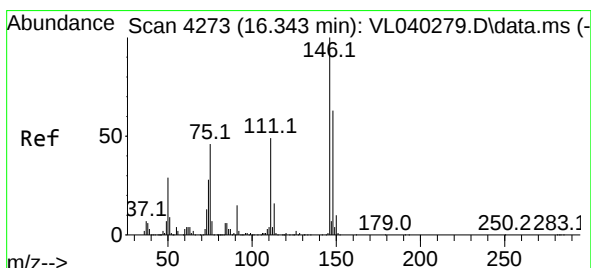
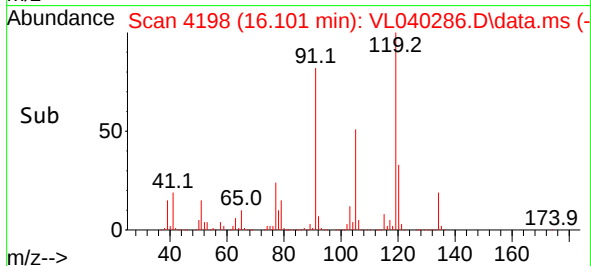
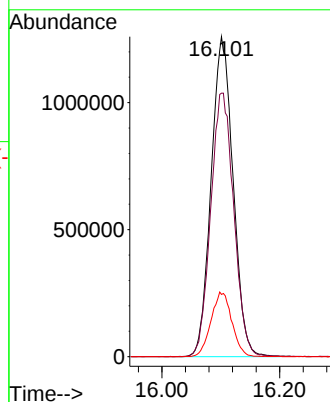
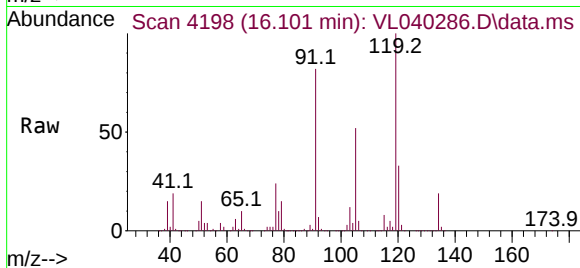




#65
tert-Butylbenzene
Concen: 8.814 ppbv
RT: 16.101 min Scan# 4198
Delta R.T. -0.000 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

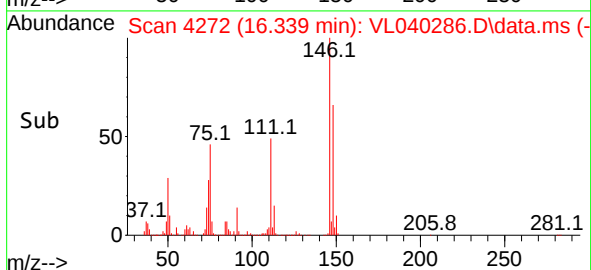
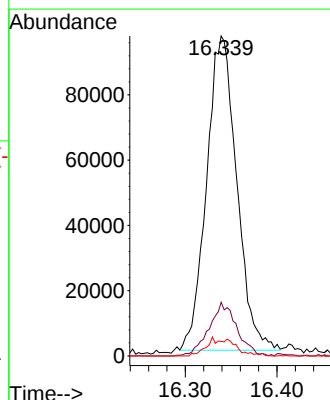
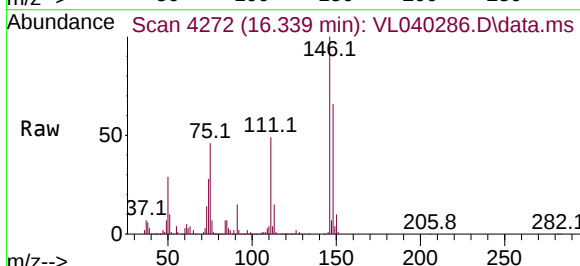
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031523

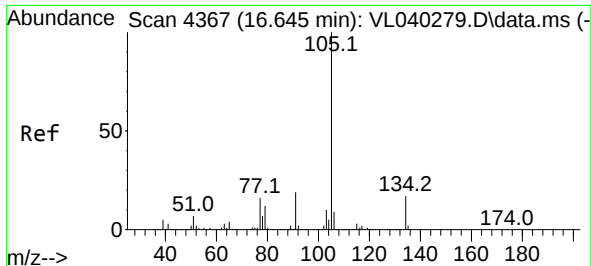
Tgt Ion:119 Resp: 3260953
Ion Ratio Lower Upper
119 100
91 86.7 69.4 104.2
134 19.3 15.8 23.6



#66
Benzyl Chloride
Concen: 9.153 ppbv
RT: 16.339 min Scan# 4272
Delta R.T. -0.003 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Tgt Ion: 91 Resp: 220078
Ion Ratio Lower Upper
91 100
126 15.7 12.1 18.1
128 5.4 3.8 5.6

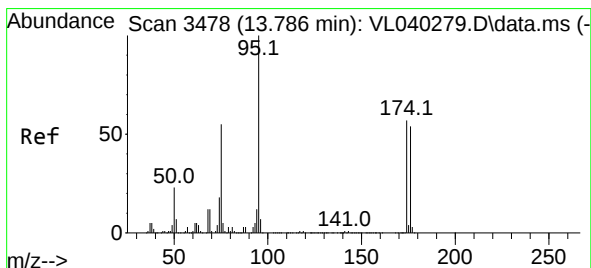
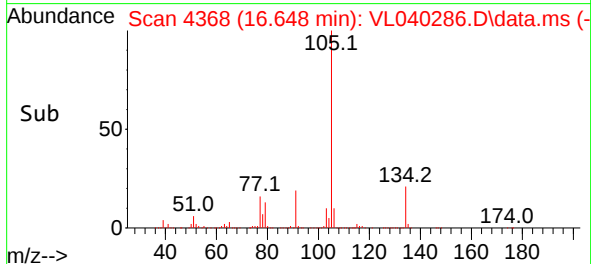
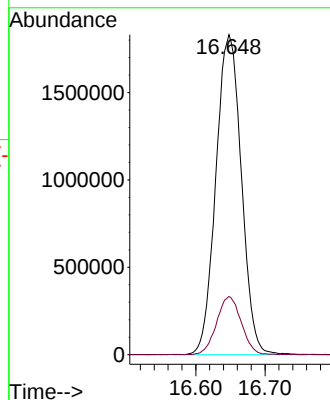
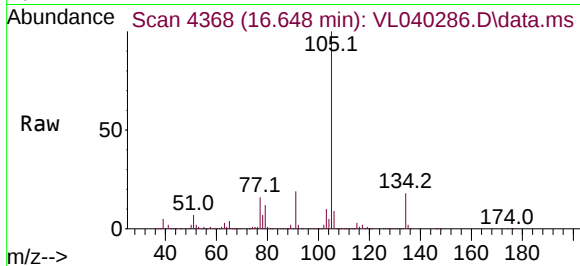




#67
 sec-Butylbenzene
 Concen: 8.831 ppbv
 RT: 16.648 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040286.D
 Acq: 15 Mar 2023 16:20

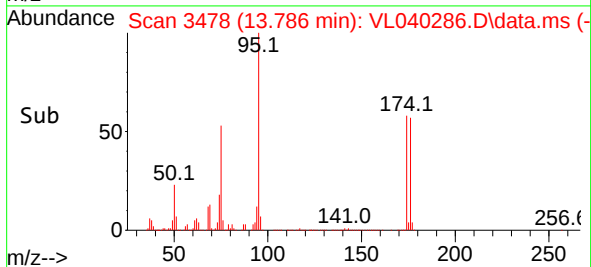
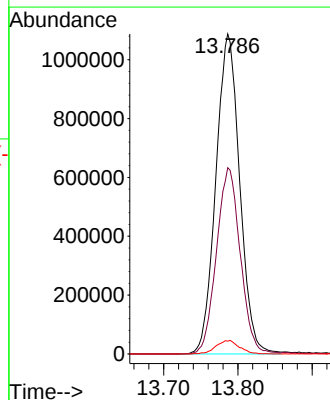
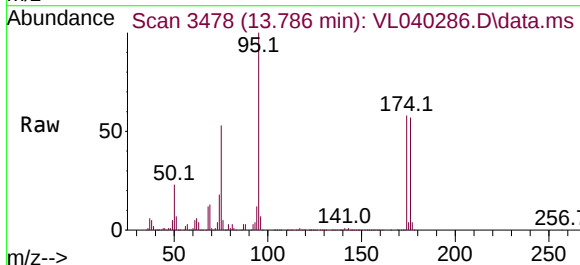
Instrument :
 MSVOA_1
 ClientSampleId :
 ICVVL031523

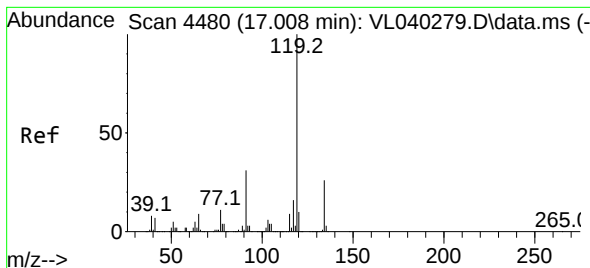
Tgt Ion:105 Resp: 4672660
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.0 21.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.580 ppbv
 RT: 13.786 min Scan# 3478
 Delta R.T. -0.000 min
 Lab File: VL040286.D
 Acq: 15 Mar 2023 16:20

Tgt Ion: 95 Resp: 2425639
 Ion Ratio Lower Upper
 95 100
 174 58.6 47.0 70.6
 175 4.2 3.4 5.2





#69

p-Isopropyltoluene

Concen: 9.292 ppbv

RT: 17.005 min Scan# 4480

Delta R.T. -0.003 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031523

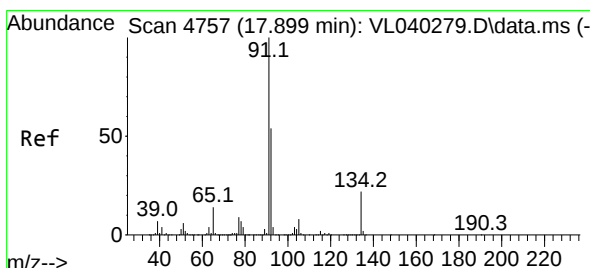
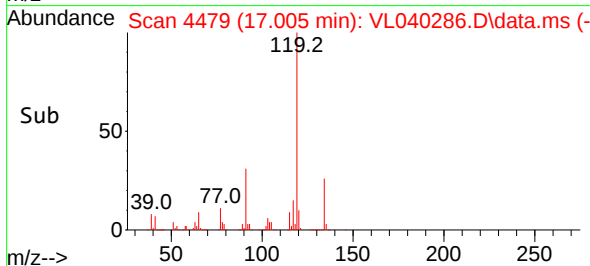
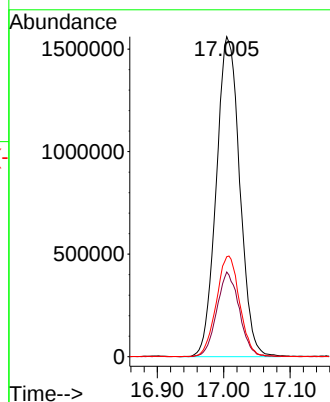
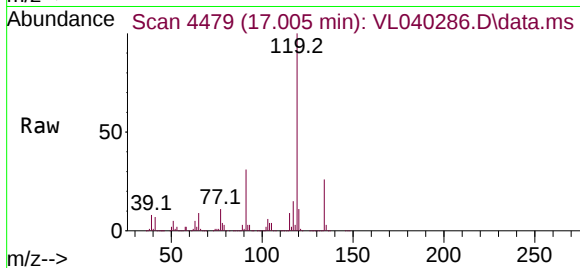
Tgt Ion:119 Resp: 3828841

Ion Ratio Lower Upper

119 100

134 25.4 20.2 30.2

91 31.2 25.1 37.7



#70

n-Butylbenzene

Concen: 9.397 ppbv

RT: 17.899 min Scan# 4757

Delta R.T. -0.000 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

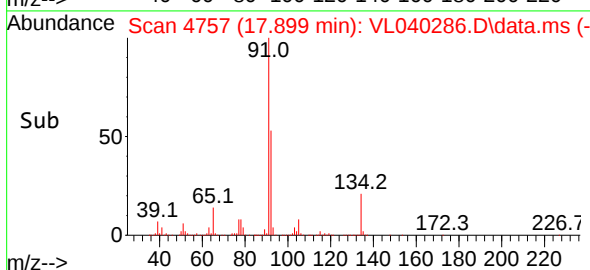
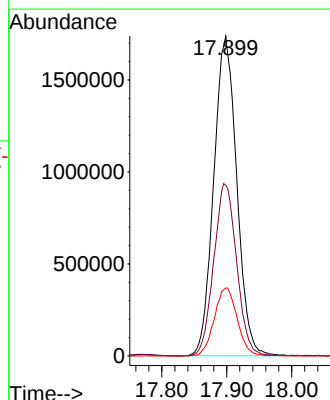
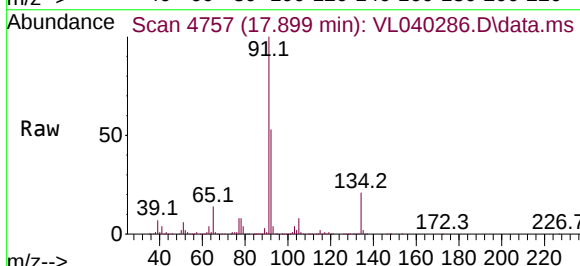
Tgt Ion: 91 Resp: 4266140

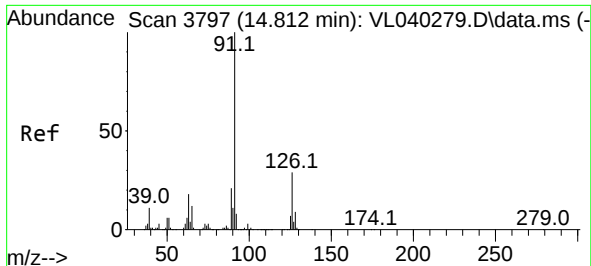
Ion Ratio Lower Upper

91 100

92 53.6 42.9 64.3

134 21.3 16.8 25.2

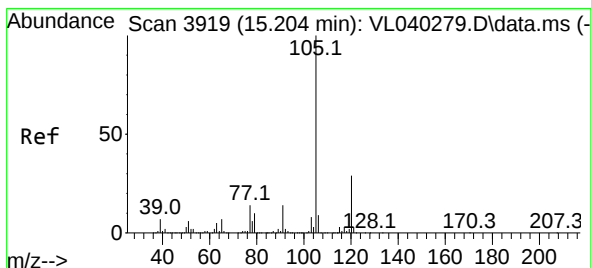
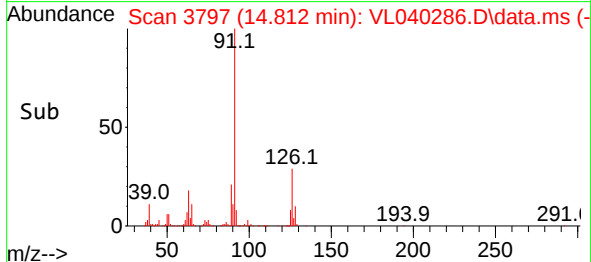
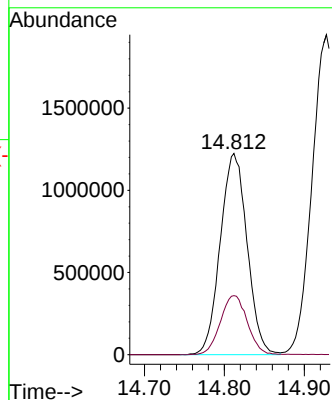
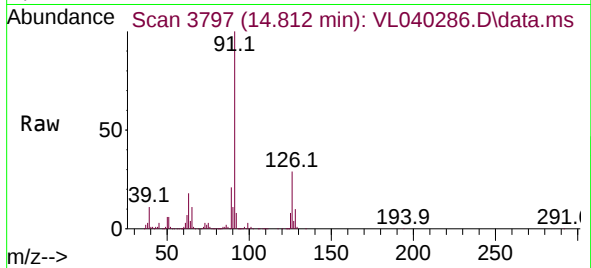




#71
2-Chlorotoluene
Concen: 8.742 ppbv
RT: 14.812 min Scan# 3797
Delta R.T. -0.000 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

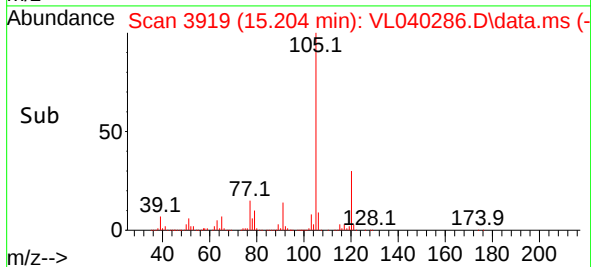
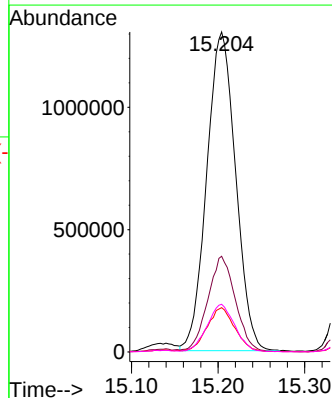
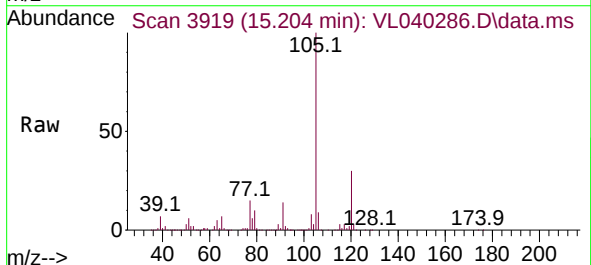
Instrument :
MSVOA_1
ClientSampleId :
ICVVL031523

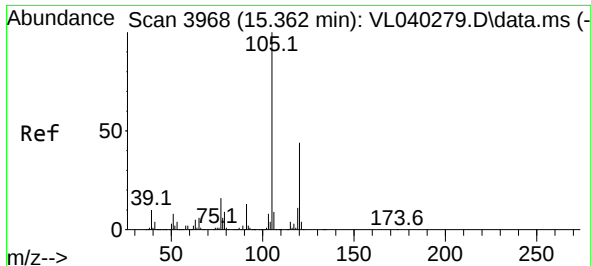
Tgt Ion: 91 Resp: 2856751
Ion Ratio Lower Upper
91 100
126 29.5 11.8 47.4



#72
4-Ethyltoluene
Concen: 9.151 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. -0.000 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Tgt Ion: 105 Resp: 3016467
Ion Ratio Lower Upper
105 100
120 29.1 23.7 35.5
91 13.5 11.6 17.4
77 14.6 12.2 18.4

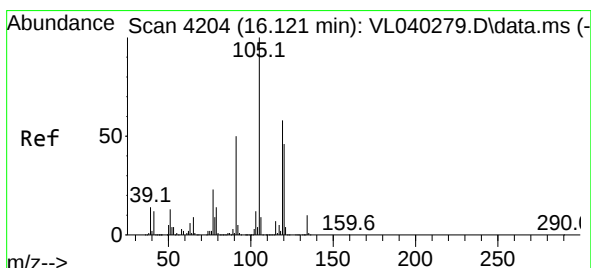
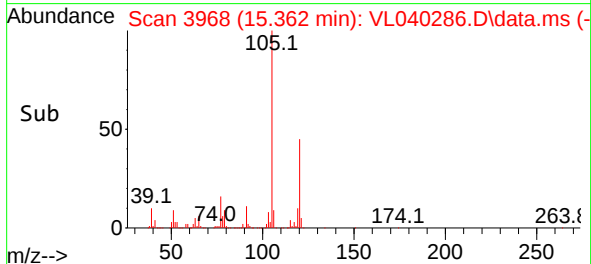
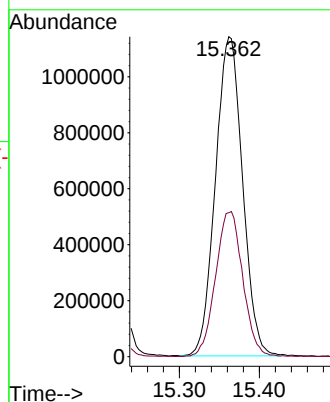
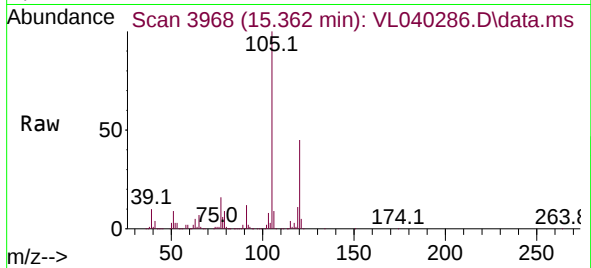




#73
 1,3,5-Trimethylbenzene
 Concen: 8.985 ppbv
 RT: 15.362 min Scan# 3968
 Delta R.T. -0.000 min
 Lab File: VL040286.D
 Acq: 15 Mar 2023 16:20

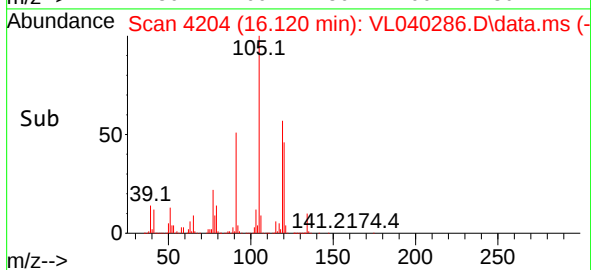
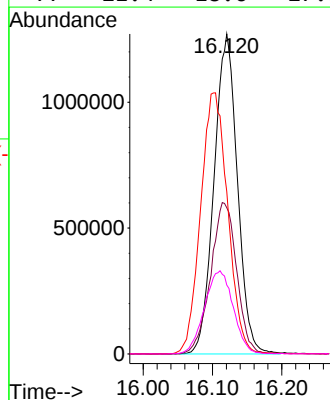
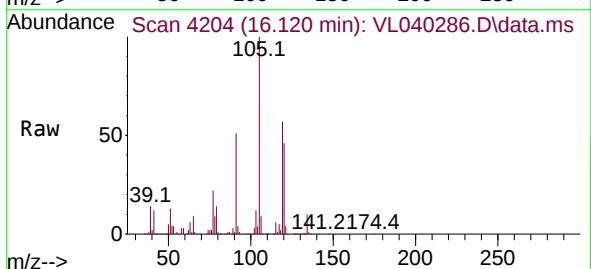
Instrument : MSVOA_L
 ClientSampleId : ICVVL031523

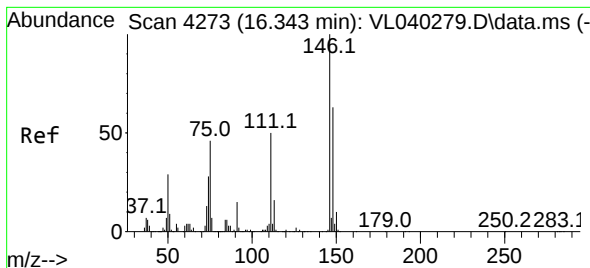
Tgt Ion:105 Resp: 2682583
 Ion Ratio Lower Upper
 105 100
 120 45.0 34.9 52.3



#74
 1,2,4-Trimethylbenzene
 Concen: 8.735 ppbv
 RT: 16.120 min Scan# 4204
 Delta R.T. -0.000 min
 Lab File: VL040286.D
 Acq: 15 Mar 2023 16:20

Tgt Ion:105 Resp: 2974222
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.6 54.8
 91 50.6 39.9 59.9
 77 21.4 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 8.964 ppbv

RT: 16.342 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

Instrument :

MSVOA_1

ClientSampleId :

ICVVL031523

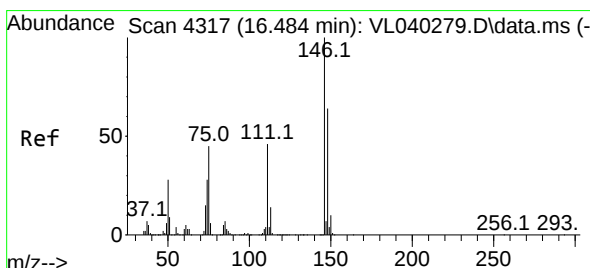
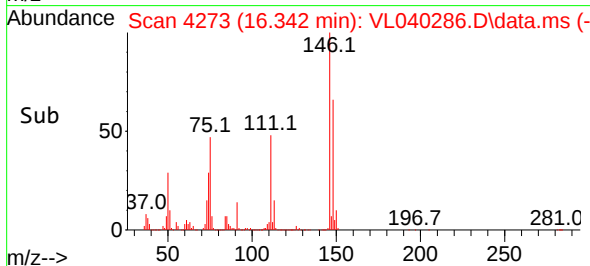
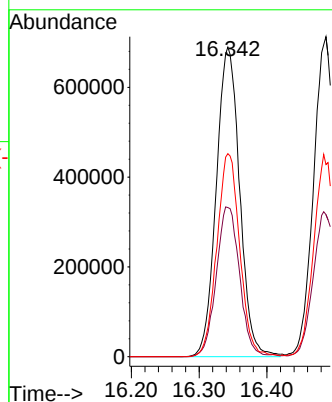
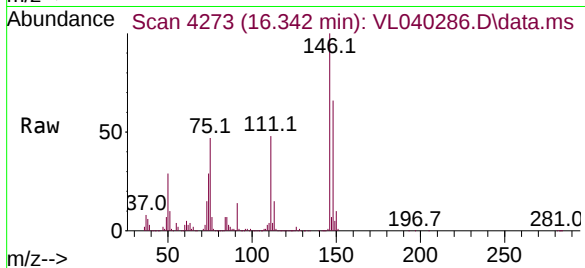
Tgt Ion:146 Resp: 1653099

Ion Ratio Lower Upper

146 100

111 48.4 24.3 73.0

148 64.3 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 9.228 ppbv

RT: 16.487 min Scan# 4318

Delta R.T. 0.003 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

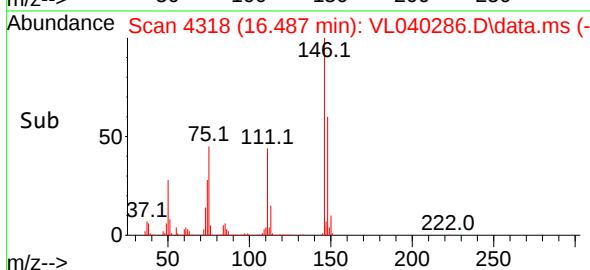
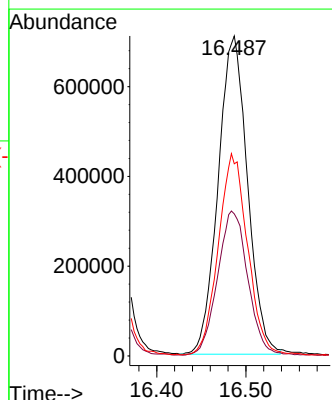
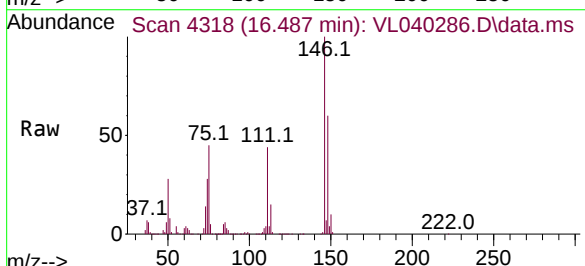
Tgt Ion:146 Resp: 1623205

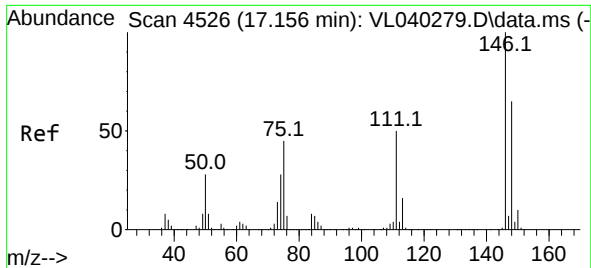
Ion Ratio Lower Upper

146 100

111 47.6 23.8 71.2

148 64.0 32.5 97.5

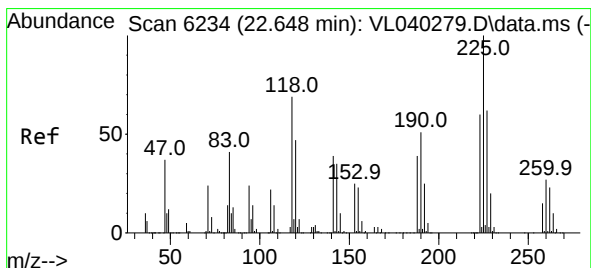
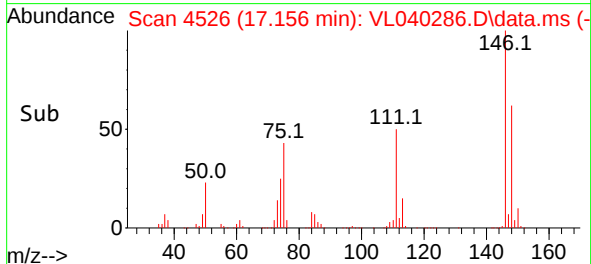
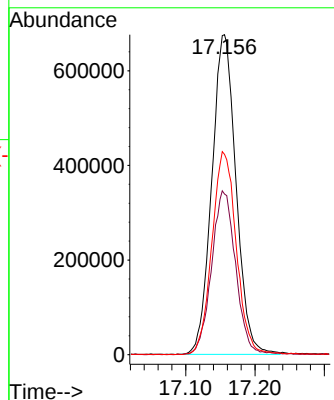
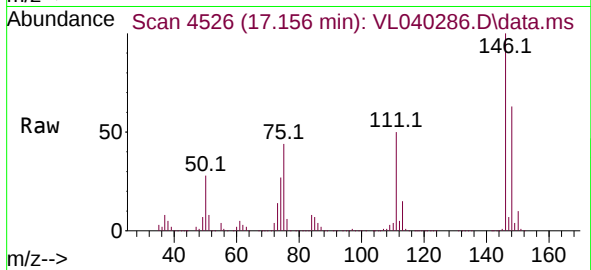




#77
1,2-Dichlorobenzene
Concen: 9.268 ppbv
RT: 17.156 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

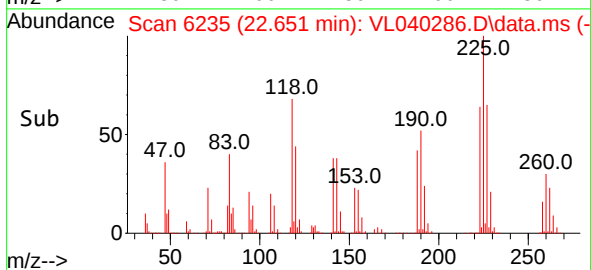
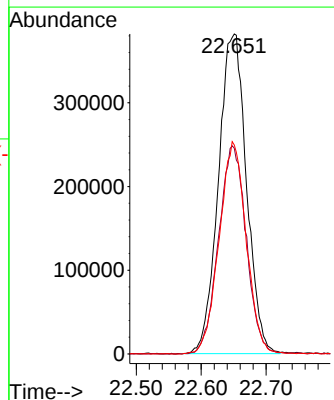
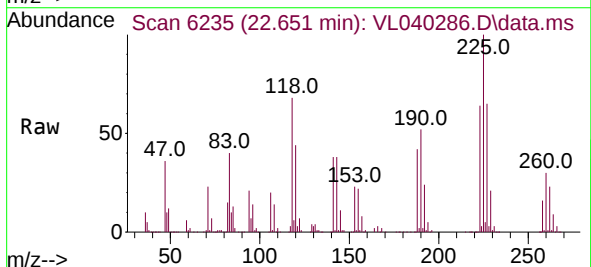
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031523

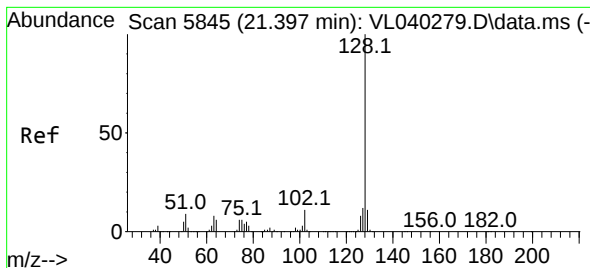
Tgt Ion:146 Resp: 1642934
Ion Ratio Lower Upper
146 100
111 50.8 25.2 75.6
148 63.9 32.1 96.3



#78
Hexachloro-1,3-Butadiene
Concen: 8.808 ppbv
RT: 22.651 min Scan# 6235
Delta R.T. 0.003 min
Lab File: VL040286.D
Acq: 15 Mar 2023 16:20

Tgt Ion:225 Resp: 1145081
Ion Ratio Lower Upper
225 100
223 64.6 51.0 76.6
227 64.3 51.4 77.2





#79

Naphthalene

Concen: 11.881 ppbv

RT: 21.400 min Scan# 5846

Delta R.T. 0.003 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031523

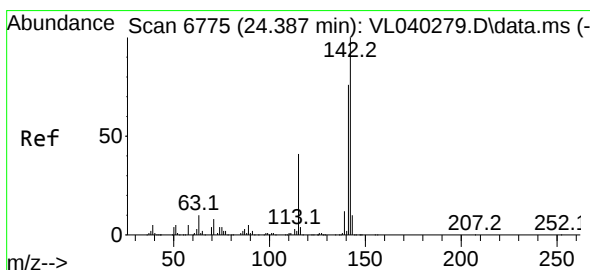
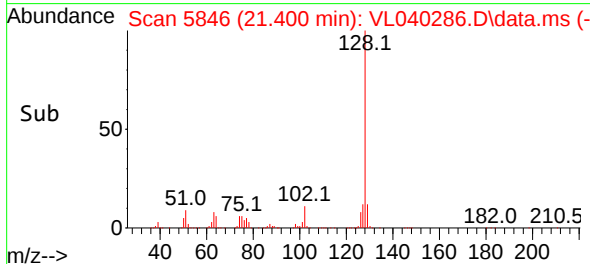
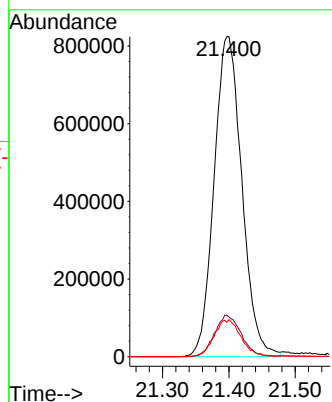
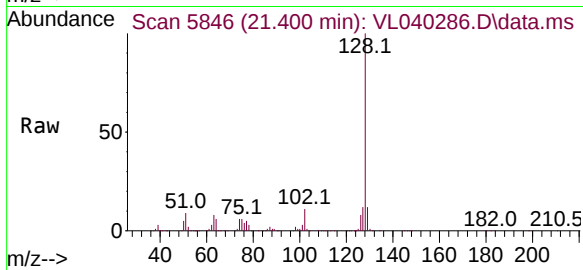
Tgt Ion:128 Resp: 2393181

Ion Ratio Lower Upper

128 100

127 12.4 9.6 14.4

129 11.6 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 9.745 ppbv

RT: 24.384 min Scan# 6774

Delta R.T. -0.003 min

Lab File: VL040286.D

Acq: 15 Mar 2023 16:20

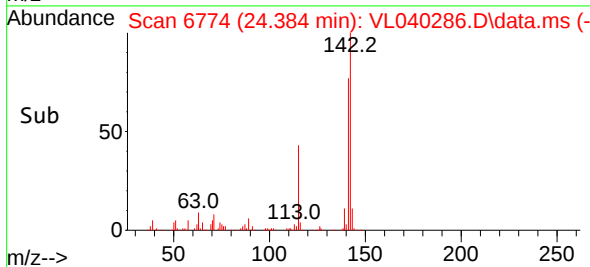
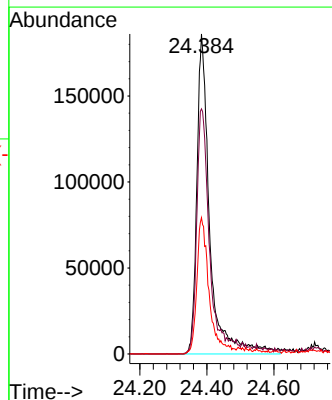
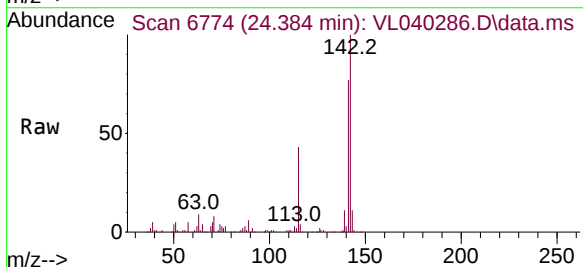
Tgt Ion:142 Resp: 497144

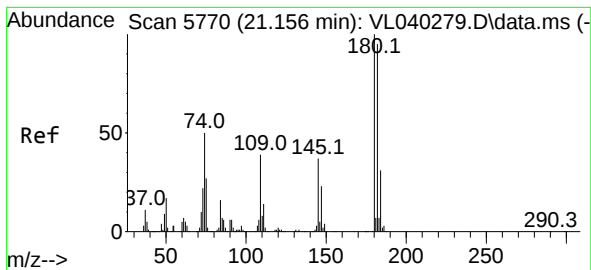
Ion Ratio Lower Upper

142 100

141 80.7 65.5 98.3

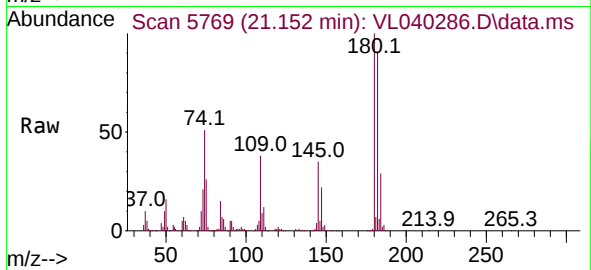
115 40.7 33.5 50.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.939 ppbv
 RT: 21.152 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL040286.D
 Acq: 15 Mar 2023 16:20

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031523



Tgt Ion:180 Resp: 1233120

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.1	114.1
184	30.8	24.4	36.6

