

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031523\
 Data File : VL040280.D
 Acq On : 15 Mar 2023 12:16
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Mar 16 07:19:09 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	1085866	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2925212	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2778502	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2274124	9.774	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.726	85	484357	2.273	ppbv	98
3) Chlorodifluoromethane	2.671	51	299414	2.193	ppbv	98
4) Chloromethane	2.809	50	186758	2.215	ppbv	99
5) Vinyl Chloride	2.919	62	155844	2.283	ppbv	98
6) Bromomethane	3.115	94	53768	2.271	ppbv	94
7) Chloroethane	3.195	64	56458	2.154	ppbv	# 85
8) Dichlorotetrafluoroethane	2.854	85	389079	2.133	ppbv	97
9) Propene	2.690	41	110733	2.117	ppbv	97
10) Heptane	7.581	43	275923	2.193	ppbv	100
11) Trichlorofluoromethane	3.562	101	423546	2.194	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.063	101	315508	2.176	ppbv	98
13) Ethanol	3.256	45	8252	2.151	ppbv	# 47
14) Bromoethene	3.362	108	116074	2.146	ppbv	94
15) Acetone	3.469	43	304052	2.300	ppbv	96
16) 1,3-Butadiene	2.983	39	135279	2.251	ppbv	97
17) tert-Butyl alcohol	3.880	59	251249	2.000	ppbv	100
18) 1,1-Dichloroethene	3.880	96	140891	2.265	ppbv	99
19) Isopropyl Alcohol	3.578	45	138204	2.182	ppbv	98
20) Methylene Chloride	3.932	84	119679	2.152	ppbv	96
21) Allyl Chloride	3.996	41	193660	2.262	ppbv	98
22) trans-1,2-Dichloroethene	4.446	96	132951	2.100	ppbv	98
23) Vinyl Acetate	4.623	43	73448	1.997	ppbv	# 94
24) 1,1-Dichloroethane	4.565	63	288838	2.202	ppbv	97
25) Ethyl Acetate	5.205	43	545877	2.206	ppbv	99
26) Hexane	5.214	57	218016	2.146	ppbv	95
27) Carbon Disulfide	4.124	76	309335	2.180	ppbv	98
28) Methyl tert-Butyl Ether	4.591	73	257724	2.209	ppbv	99
29) Chloroform	5.276	83	394541	2.199	ppbv	99
30) Cyclohexane	6.603	84	172881	2.160	ppbv	93
31) cis-1,2-Dichloroethene	5.079	61	217538	2.199	ppbv	97
32) 1,1,1-Trichloroethane	6.005	97	392223	2.282	ppbv	98
34) 2-Butanone	4.790	43	325200	2.253	ppbv	99
35) Carbon Tetrachloride	6.494	117	404177	2.202	ppbv	97
36) Benzene	6.375	78	478807	2.148	ppbv	98
37) 1,2-Dichloroethane	5.809	62	304346	2.098	ppbv	98
38) Trichloroethene	7.298	130	272749	2.239	ppbv	96
39) 1,2-Dichloropropane	7.079	63	186225	2.129	ppbv	99
40) 1,4-Dioxane	7.301	88	69033	1.995	ppbv	70
41) Tetrahydrofuran	5.568	42	95391	1.145	ppbv	# 39
42) Bromodichloromethane	7.253	83	422814	2.132	ppbv	99
43) Methyl Methacrylate	7.481	69	177401	2.141	ppbv	97
44) 2,2,4-Trimethylpentane	7.330	57	807390	2.172	ppbv	99
45) t-1,3-Dichloropropene	8.719	75	146863	2.034	ppbv	98

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

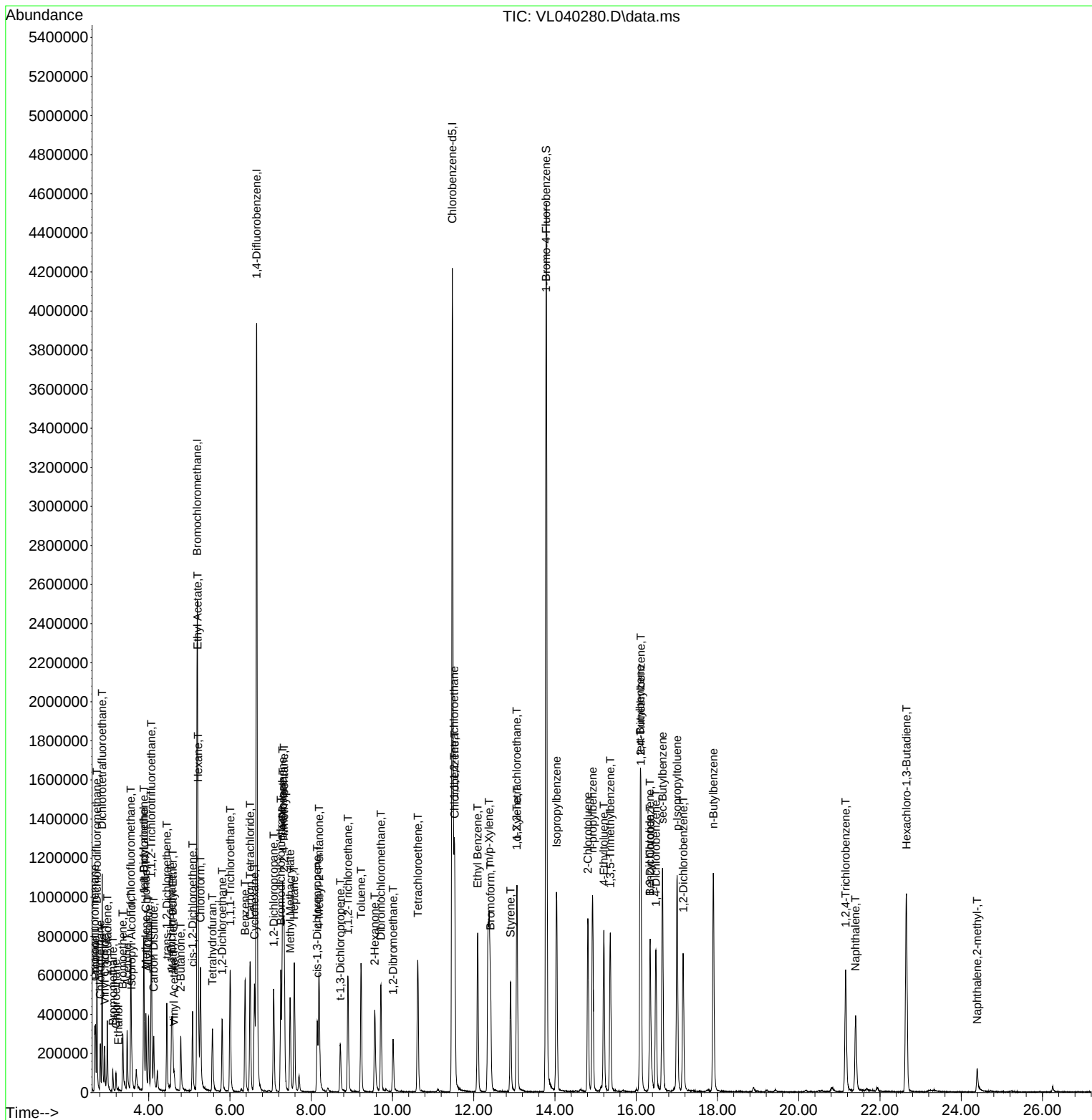
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 ClientSampleId :
 VSTDICC002

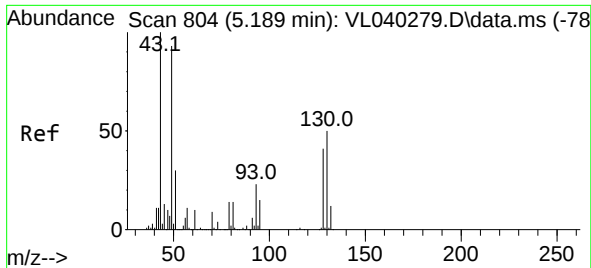
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 15 16:14:43 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	210543	2.053	ppbv	97
47) 1,1,2-Trichloroethane	8.906	97	197026	2.111	ppbv	95
48) Dibromochloromethane	9.716	129	326091	2.123	ppbv	99
49) Bromoform	12.413	173	245810	2.131	ppbv	99
50) 4-Methyl-2-Pentanone	8.195	43	487530	2.182	ppbv	100
51) 2-Hexanone	9.565	43	382817	2.212	ppbv #	100
52) Tetrachloroethene	10.626	164	149606	2.218	ppbv	95
53) Toluene	9.227	91	507048	2.170	ppbv	99
54) 1,2-Dibromoethane	10.015	107	207367	2.159	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.516	131	256442	2.194	ppbv #	1
57) Chlorobenzene	11.532	112	420597	2.128	ppbv	99
58) Ethyl Benzene	12.098	91	707167	2.235	ppbv	97
59) m/p-Xylene	12.378	91	763521	2.634	ppbv #	57
60) o-Xylene	13.066	91	609408	2.200	ppbv	98
61) Styrene	12.905	104	303972	2.162	ppbv	98
62) Isopropylbenzene	14.037	105	870915	2.207	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	222685	2.284	ppbv	99
64) n-propylbenzene	14.928	120	203556	2.108	ppbv	80
65) tert-Butylbenzene	16.098	119	767924	2.259	ppbv	96
66) Benzyl Chloride	16.339	91	36786	1.665	ppbv #	88
67) sec-Butylbenzene	16.648	105	1104839	2.272	ppbv	99
69) p-Isopropyltoluene	17.005	119	869894	2.297	ppbv	98
70) n-Butylbenzene	17.899	91	969261	2.323	ppbv	97
71) 2-Chlorotoluene	14.809	91	669893	2.231	ppbv	99
72) 4-Ethyltoluene	15.204	105	680219	2.246	ppbv	98
73) 1,3,5-Trimethylbenzene	15.362	105	613068	2.234	ppbv	97
74) 1,2,4-Trimethylbenzene	16.118	105	703336	2.248	ppbv	92
75) 1,3-Dichlorobenzene	16.339	146	371597	2.193	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	356501	2.206	ppbv	98
77) 1,2-Dichlorobenzene	17.159	146	356284	2.187	ppbv	100
78) Hexachloro-1,3-Butadiene	22.651	225	255231	2.136	ppbv	98
79) Naphthalene	21.400	128	474186	2.562	ppbv	98
80) Naphthalene,2-methyl-	24.394	142	98372	2.098	ppbv	96
81) 1,2,4-Trichlorobenzene	21.153	180	256057	2.246	ppbv	99

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

Quant Time: Mar 16 07:19:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
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Response via : Initial Calibration

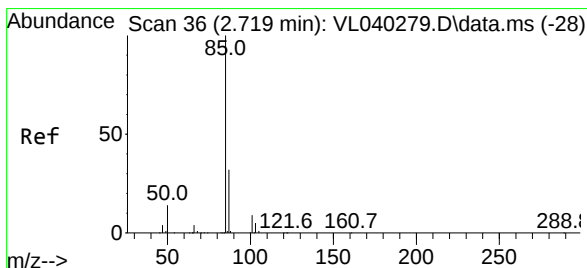
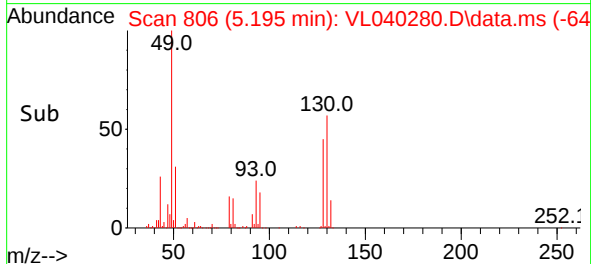
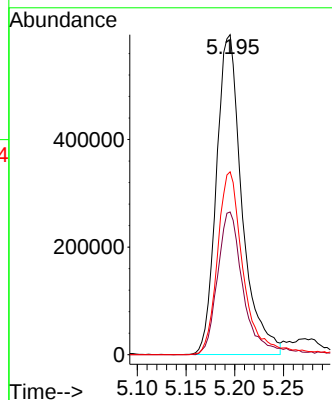
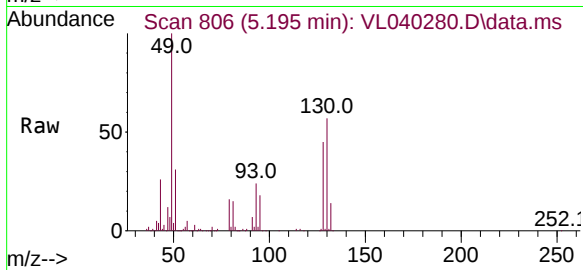




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.195 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VL040280.D
 Acq: 15 Mar 2023 12:16

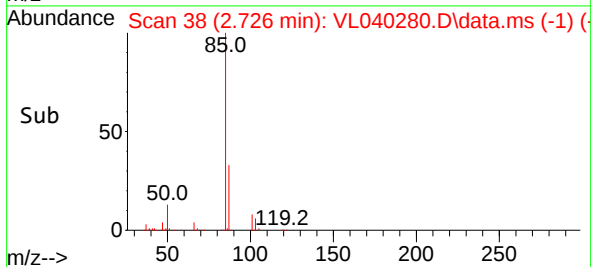
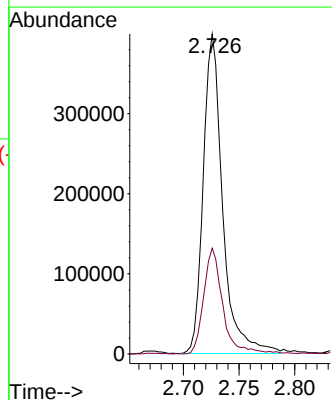
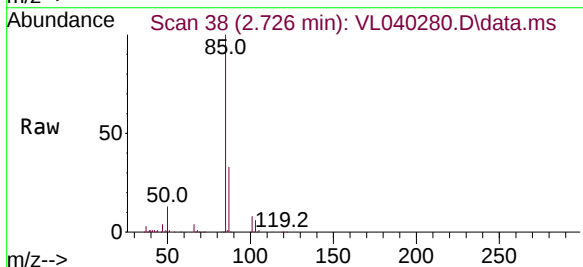
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 49 Resp: 1085866
 Ion Ratio Lower Upper
 49 100
 128 46.3 22.4 67.3
 130 59.0 28.7 86.1



#2
 Dichlorodifluoromethane
 Concen: 2.273 ppbv
 RT: 2.726 min Scan# 38
 Delta R.T. 0.006 min
 Lab File: VL040280.D
 Acq: 15 Mar 2023 12:16

Tgt Ion: 85 Resp: 484357
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.5 38.3

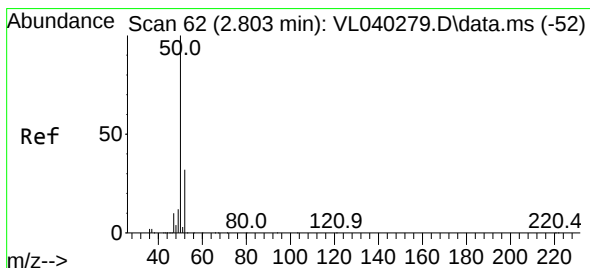
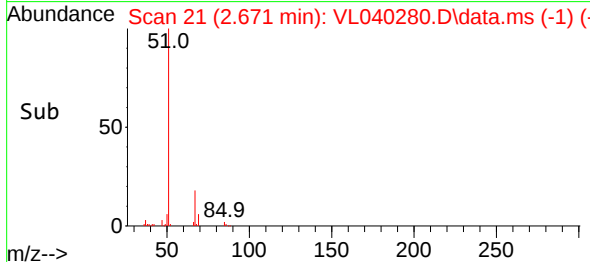
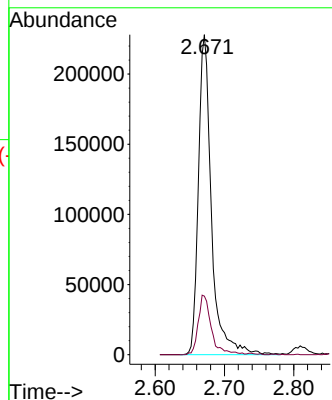
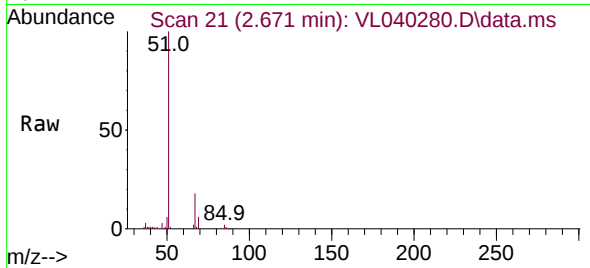




#3
Chlorodifluoromethane
Concen: 2.193 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

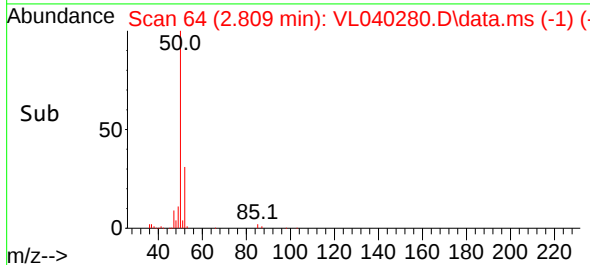
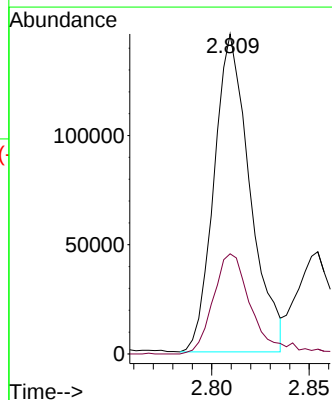
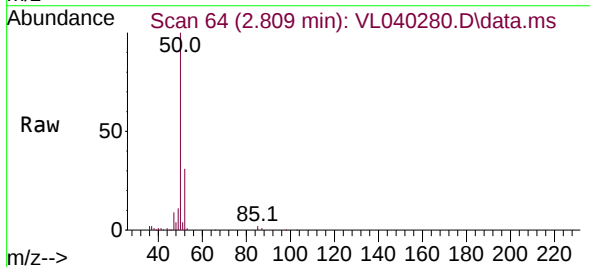
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ClientSampleId :
VSTDIC002

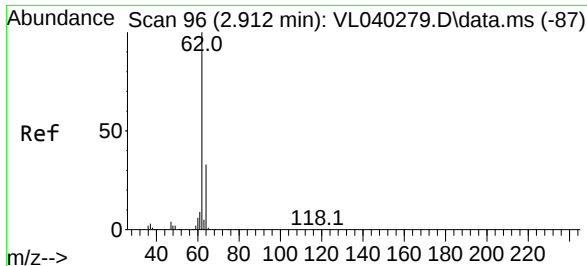
Tgt Ion: 51 Resp: 299414
Ion Ratio Lower Upper
51 100
67 19.1 16.0 24.0



#4
Chloromethane
Concen: 2.215 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.007 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Tgt Ion: 50 Resp: 186758
Ion Ratio Lower Upper
50 100
52 31.7 25.9 38.9

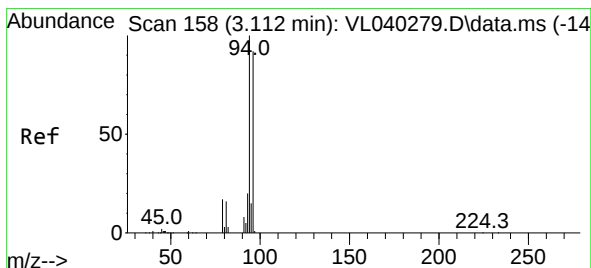
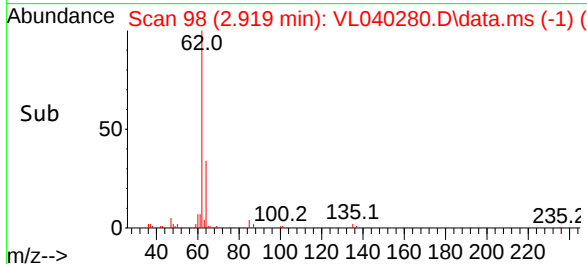
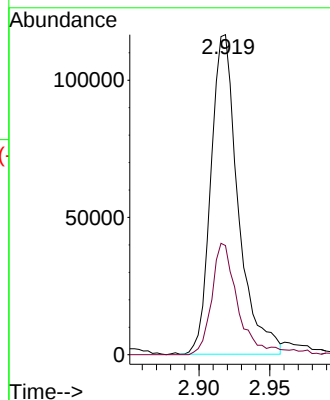
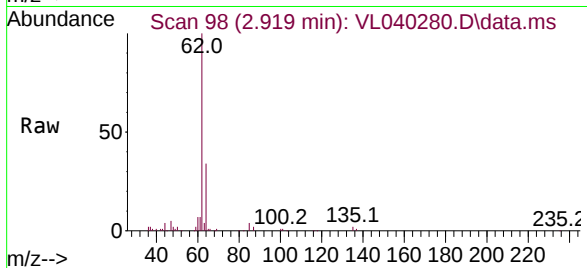




#5
 Vinyl Chloride
 Concen: 2.283 ppbv
 RT: 2.919 min Scan# 98
 Delta R.T. 0.007 min
 Lab File: VL040280.D
 Acq: 15 Mar 2023 12:16

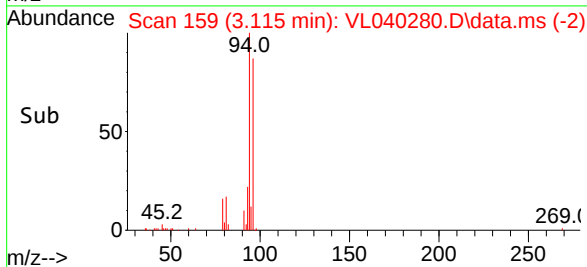
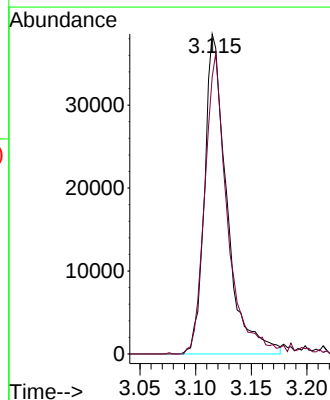
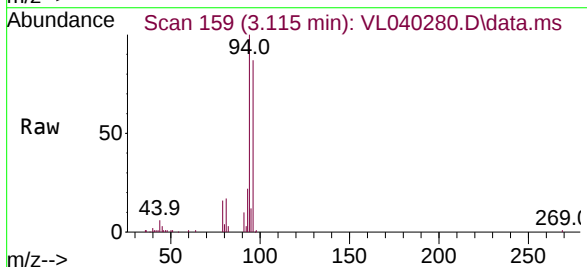
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 ClientSampleId :
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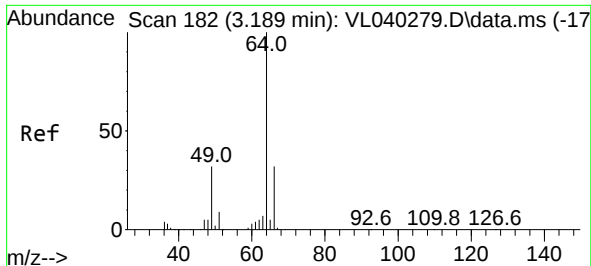
Tgt Ion: 62 Resp: 155844
 Ion Ratio Lower Upper
 62 100
 64 34.2 26.4 39.6



#6
 Bromomethane
 Concen: 2.271 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. 0.003 min
 Lab File: VL040280.D
 Acq: 15 Mar 2023 12:16

Tgt Ion: 94 Resp: 53768
 Ion Ratio Lower Upper
 94 100
 96 86.6 73.7 110.5

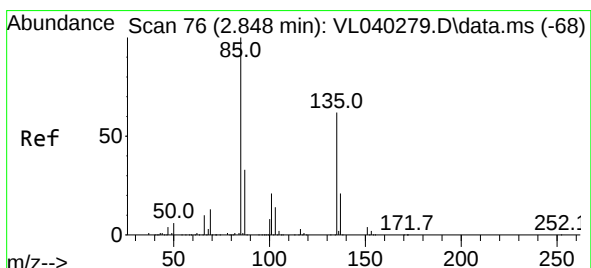
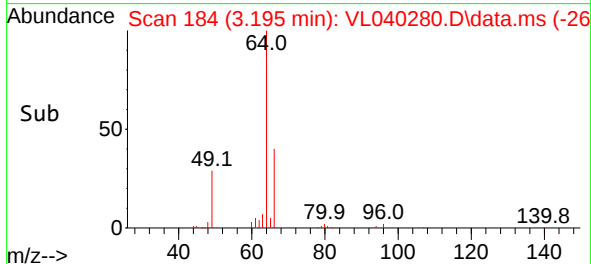
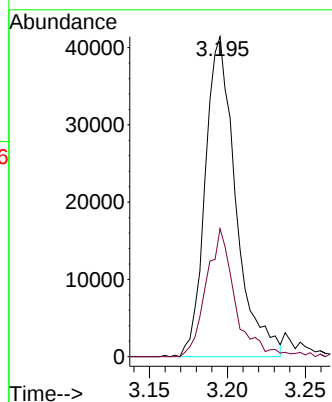
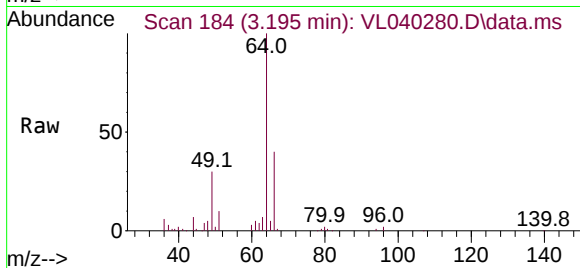




#7
Chloroethane
Concen: 2.154 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

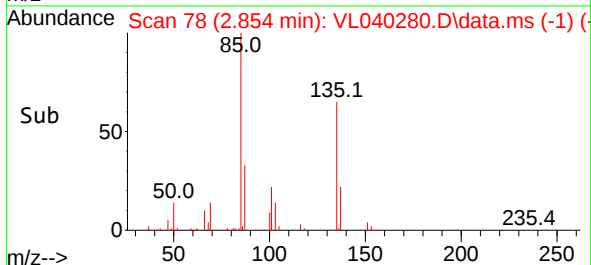
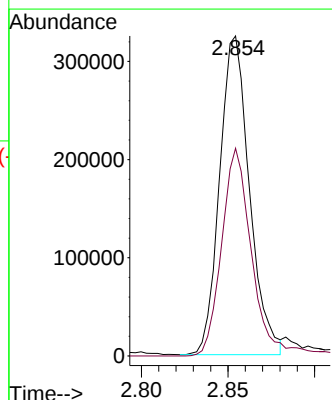
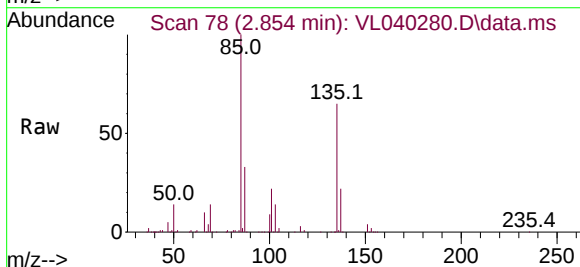
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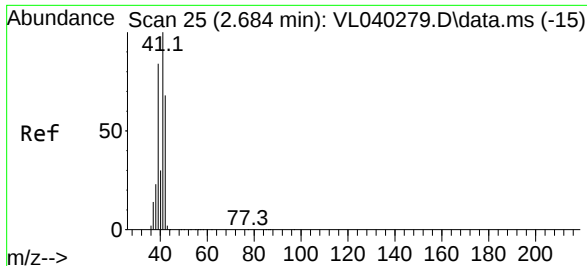
Tgt Ion: 64 Resp: 56458
Ion Ratio Lower Upper
64 100
66 40.0 25.5 38.3#



#8
Dichlorotetrafluoroethane
Concen: 2.133 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.007 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Tgt Ion: 85 Resp: 389079
Ion Ratio Lower Upper
85 100
135 67.6 52.0 78.0

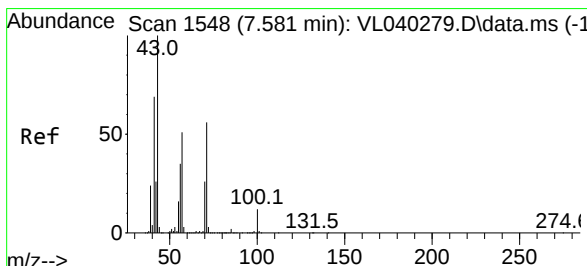
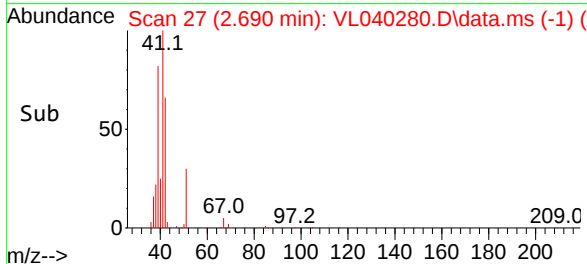
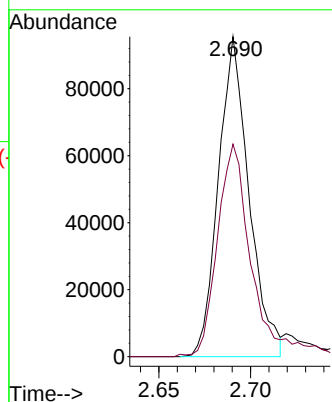
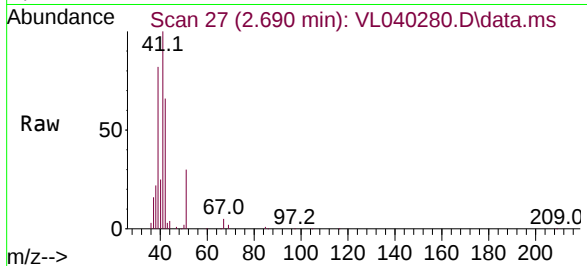




#9
Propene
Concen: 2.117 ppbv
RT: 2.690 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

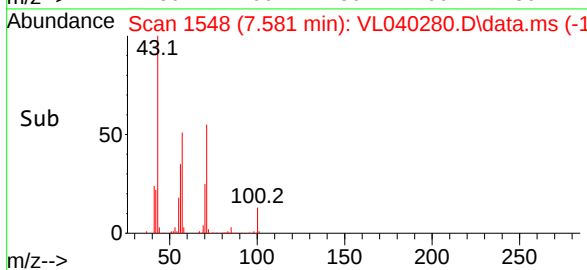
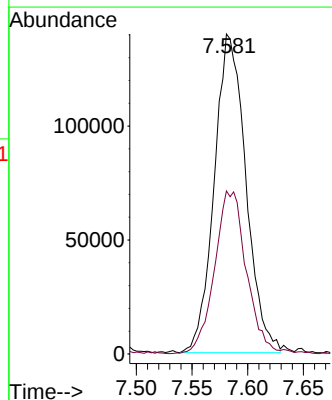
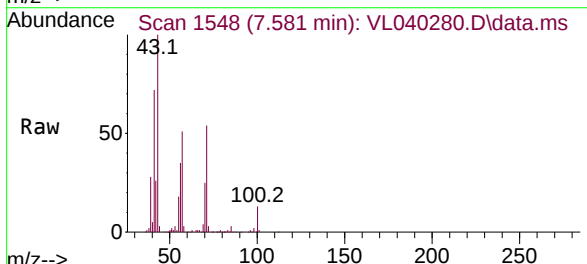
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 110733
Ion Ratio Lower Upper
41 100
42 76.2 59.0 88.4



#10
Heptane
Concen: 2.193 ppbv
RT: 7.581 min Scan# 1548
Delta R.T. 0.000 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Tgt Ion: 43 Resp: 275923
Ion Ratio Lower Upper
43 100
57 52.3 41.7 62.5

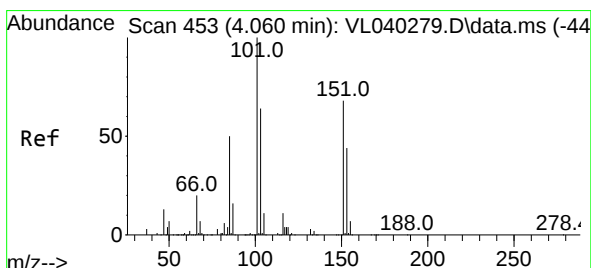
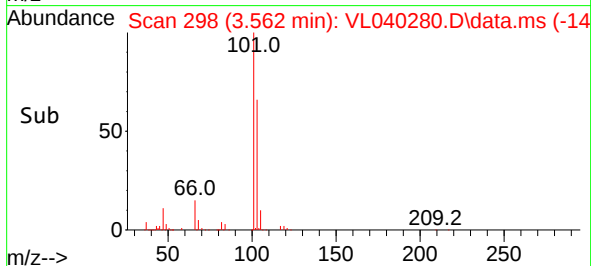
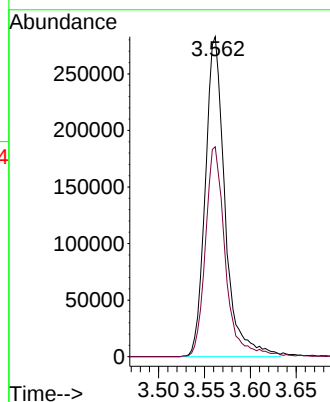
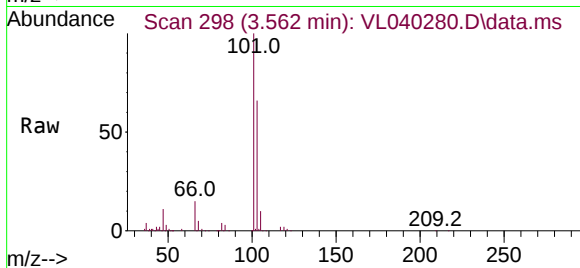




#11
 Trichlorofluoromethane
 Concen: 2.194 ppbv
 RT: 3.562 min Scan# 296
 Delta R.T. 0.007 min
 Lab File: VL040280.D
 Acq: 15 Mar 2023 12:16

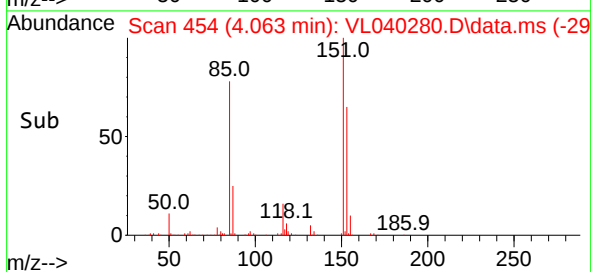
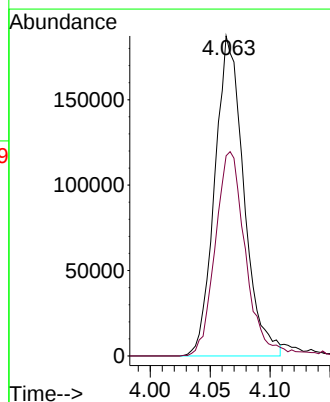
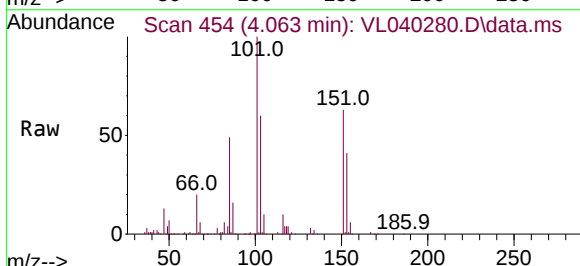
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

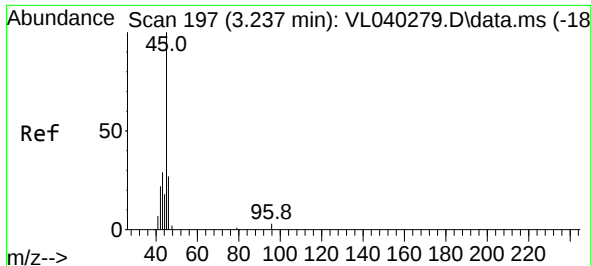
Tgt Ion:101 Resp: 423546
 Ion Ratio Lower Upper
 101 100
 103 65.6 53.1 79.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.176 ppbv
 RT: 4.063 min Scan# 454
 Delta R.T. 0.003 min
 Lab File: VL040280.D
 Acq: 15 Mar 2023 12:16

Tgt Ion:101 Resp: 315508
 Ion Ratio Lower Upper
 101 100
 151 67.8 53.2 79.8

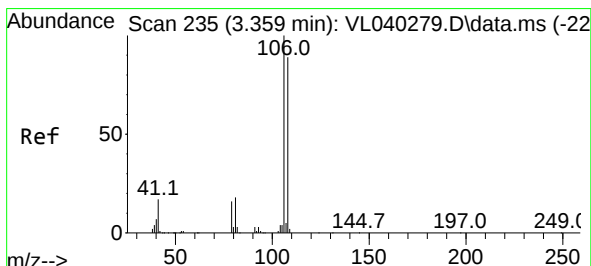
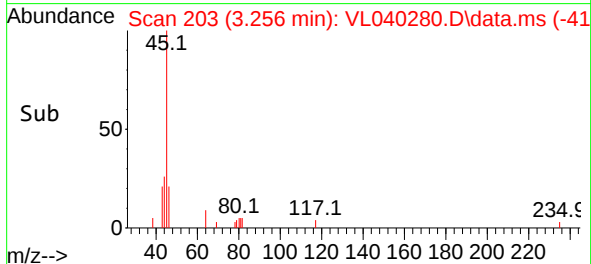
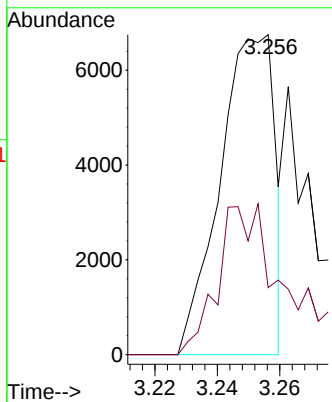
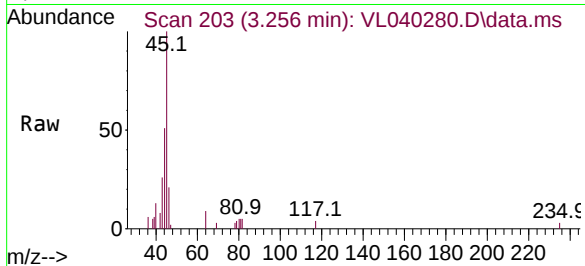




#13
Ethanol
Concen: 2.151 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.019 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

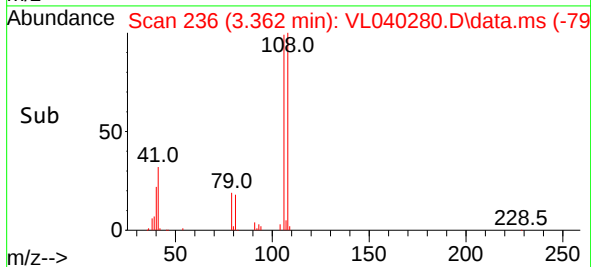
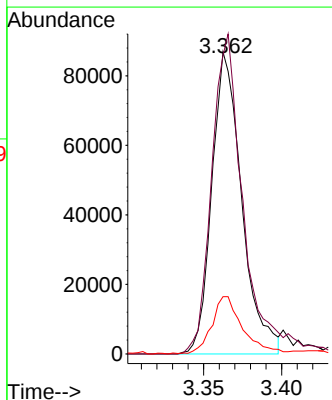
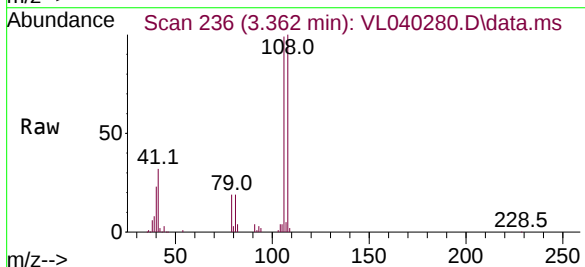
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC002

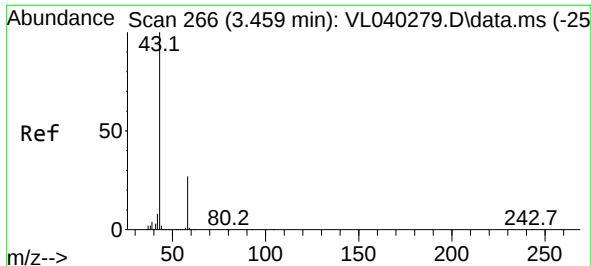
Tgt Ion: 45 Resp: 8252
Ion Ratio Lower Upper
45 100
46 69.3 15.0 60.2#



#14
Bromoethene
Concen: 2.146 ppbv
RT: 3.362 min Scan# 236
Delta R.T. 0.003 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Tgt Ion: 108 Resp: 116074
Ion Ratio Lower Upper
108 100
106 114.1 85.8 128.8
79 21.7 15.8 23.6





#15

Acetone

Concen: 2.300 ppbv

RT: 3.469 min Scan# 2

Delta R.T. 0.010 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Instrument :

MSVOA_L

ClientSampleId :

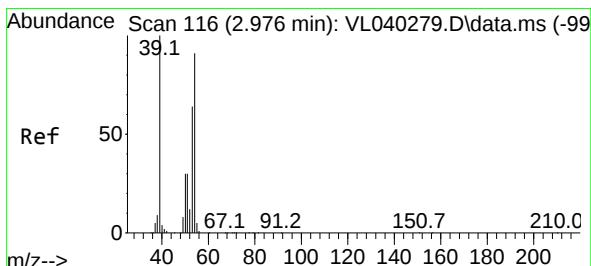
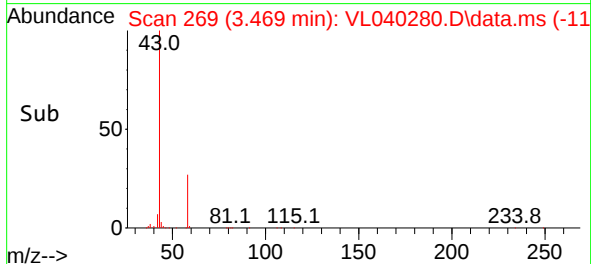
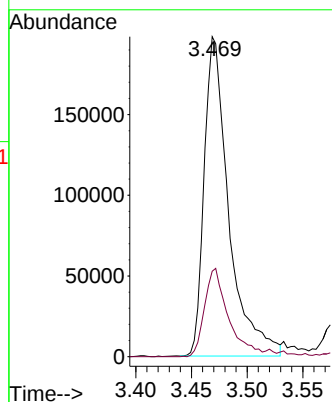
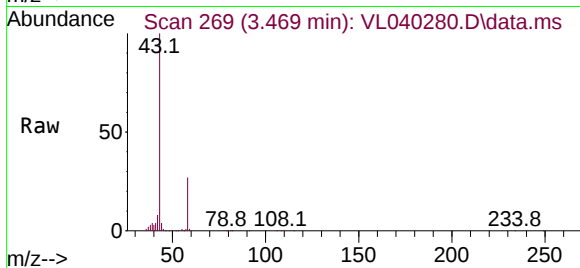
VSTDIC002

Tgt Ion: 43 Resp: 304052

Ion Ratio Lower Upper

43 100

58 29.5 21.8 32.8



#16

1,3-Butadiene

Concen: 2.251 ppbv

RT: 2.983 min Scan# 118

Delta R.T. 0.006 min

Lab File: VL040280.D

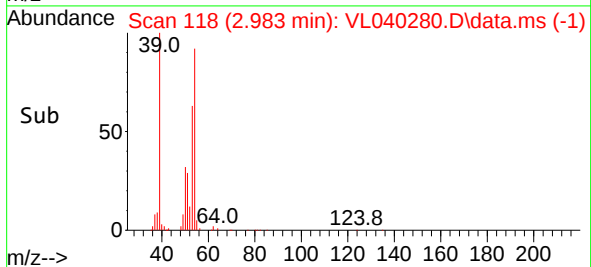
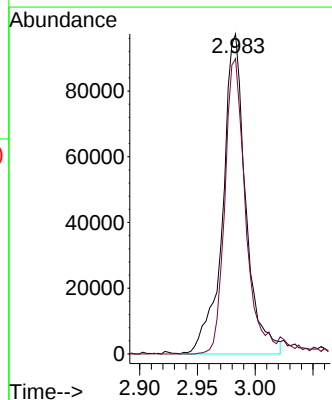
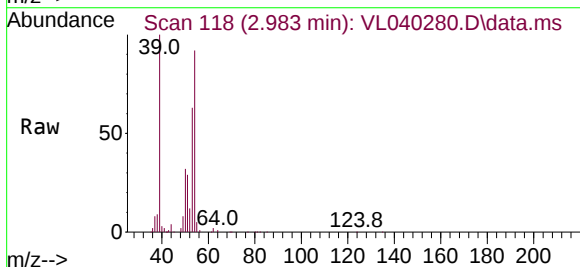
Acq: 15 Mar 2023 12:16

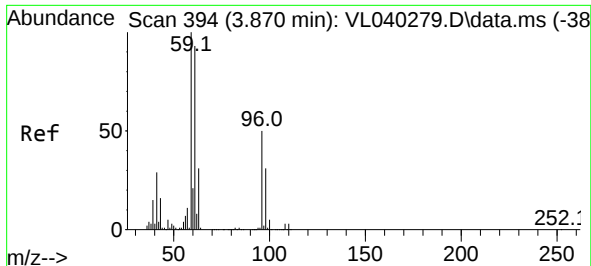
Tgt Ion: 39 Resp: 135279

Ion Ratio Lower Upper

39 100

54 88.1 68.4 102.6





#17

tert-Butyl alcohol

Concen: 2.000 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.010 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Instrument :

MSVOA_L

ClientSampleId :

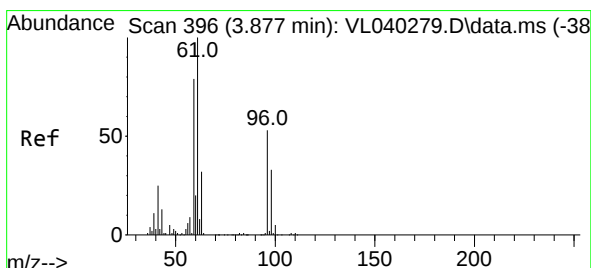
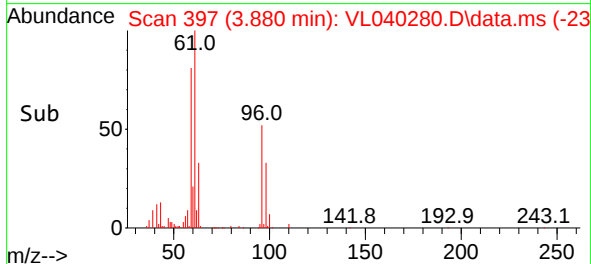
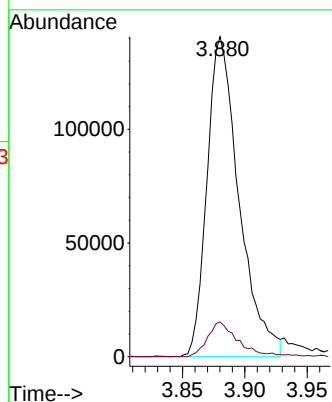
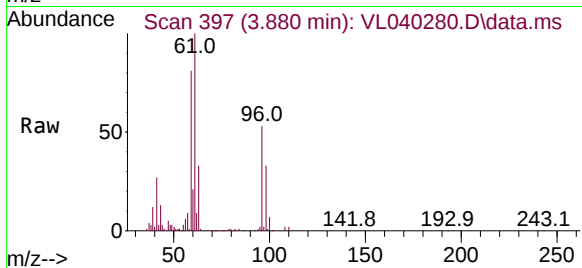
VSTDICC002

Tgt Ion: 59 Resp: 251249

Ion Ratio Lower Upper

59 100

57 10.7 8.5 12.7



#18

1,1-Dichloroethene

Concen: 2.265 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.003 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

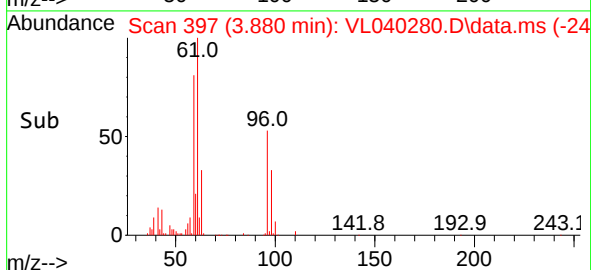
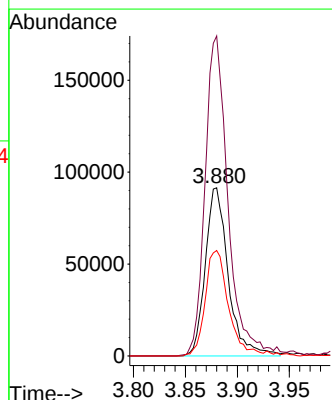
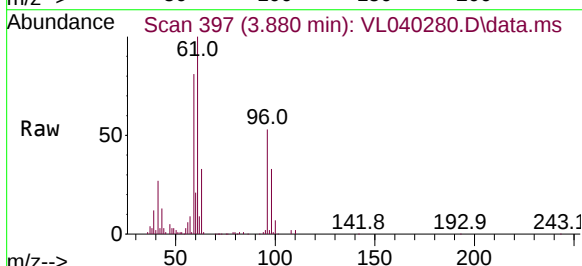
Tgt Ion: 96 Resp: 140891

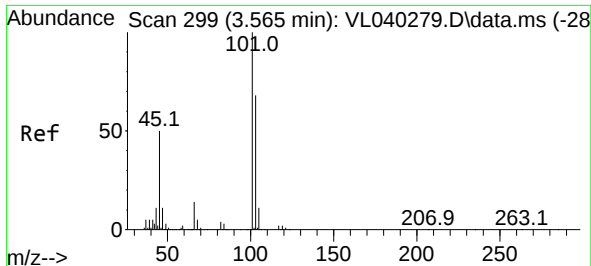
Ion Ratio Lower Upper

96 100

61 189.9 150.6 226.0

98 62.7 50.3 75.5





#19

Isopropyl Alcohol

Concen: 2.182 ppbv

RT: 3.578 min Scan# 303

Delta R.T. 0.013 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Instrument :

MSVOA_L

ClientSampleId :

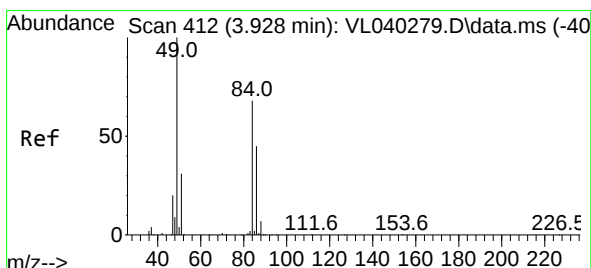
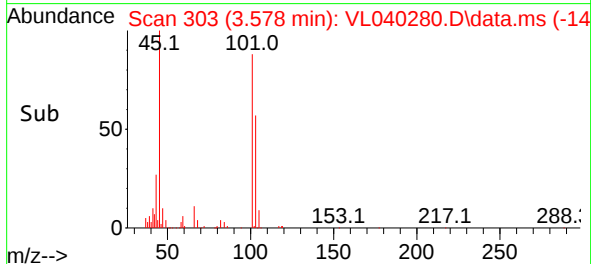
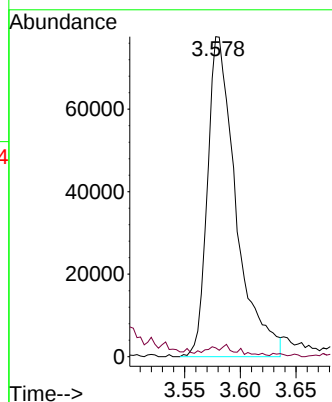
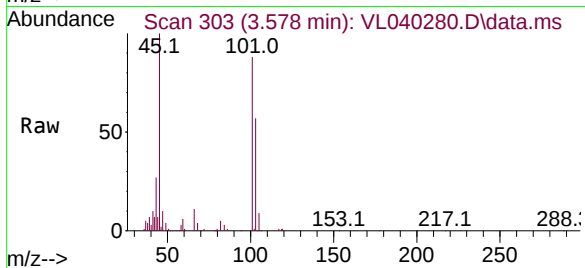
VSTDICC002

Tgt Ion: 45 Resp: 138204

Ion Ratio Lower Upper

45 100

58 2.8 2.7 4.1



#20

Methylene Chloride

Concen: 2.152 ppbv

RT: 3.932 min Scan# 413

Delta R.T. 0.003 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Tgt Ion: 84 Resp: 119679

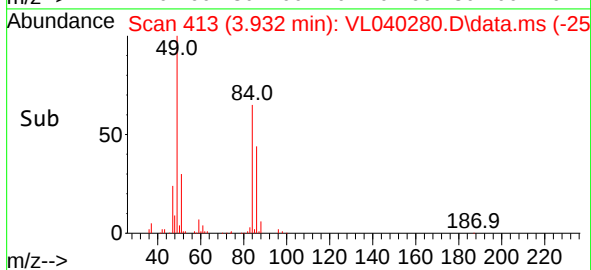
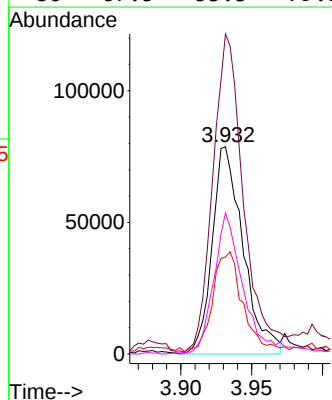
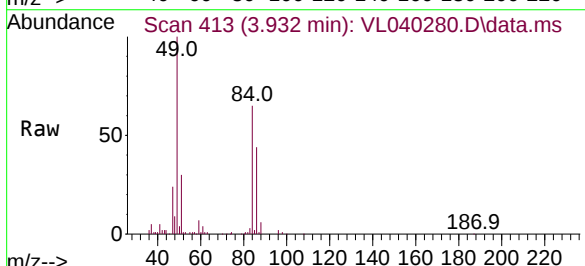
Ion Ratio Lower Upper

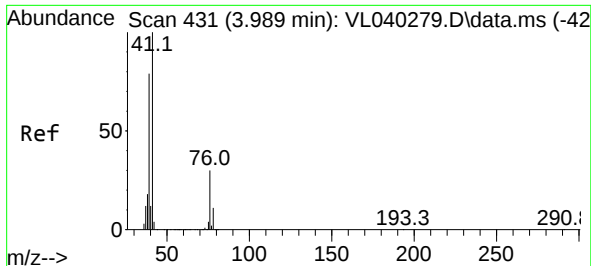
84 100

49 152.9 117.5 176.3

51 43.8 36.9 55.3

86 67.5 53.3 79.9





#21

Allyl Chloride

Concen: 2.262 ppbv

RT: 3.996 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

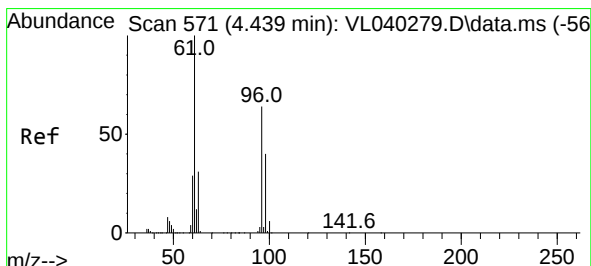
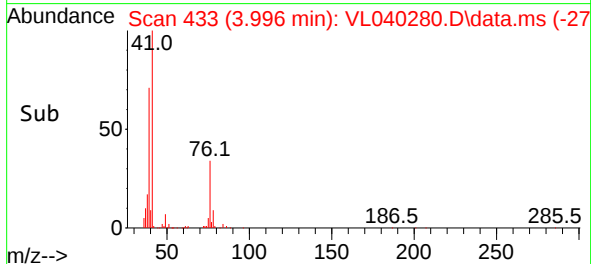
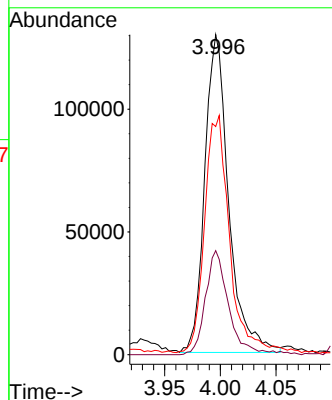
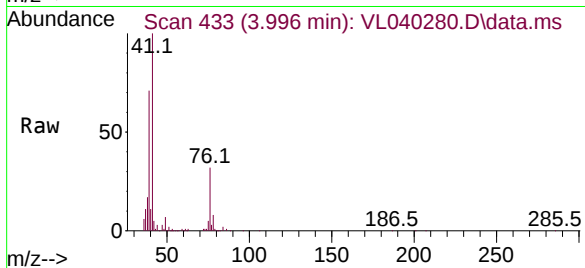
Tgt Ion: 41 Resp: 193660

Ion Ratio Lower Upper

41 100

76 31.9 25.4 38.0

39 79.7 65.4 98.2



#22

trans-1,2-Dichloroethene

Concen: 2.100 ppbv

RT: 4.446 min Scan# 573

Delta R.T. 0.006 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

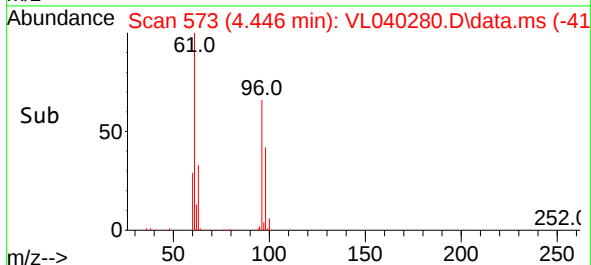
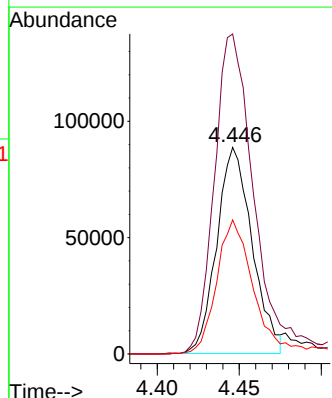
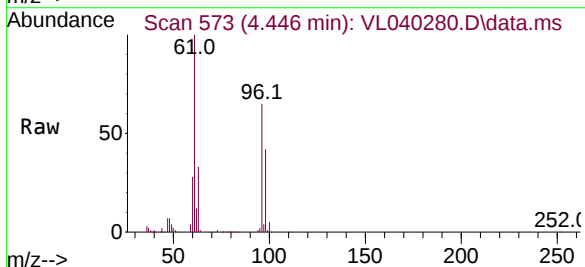
Tgt Ion: 96 Resp: 132951

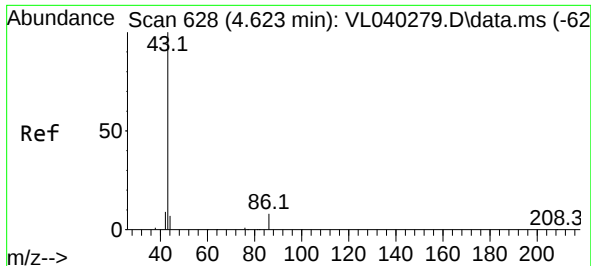
Ion Ratio Lower Upper

96 100

61 154.8 125.4 188.2

98 64.7 49.8 74.6

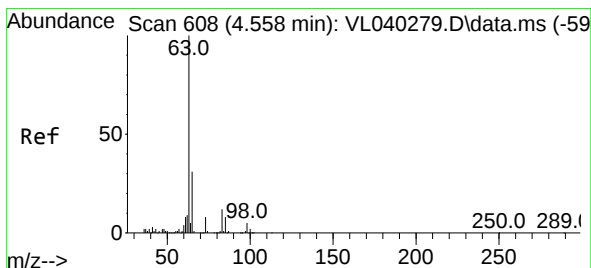
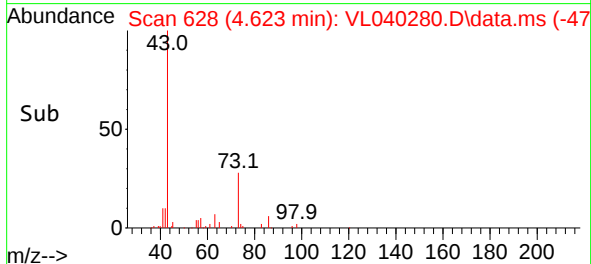
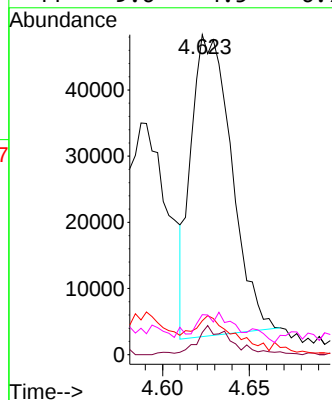
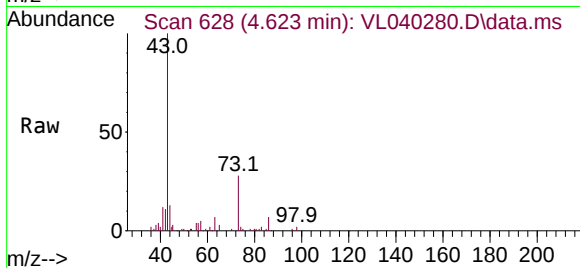




#23
 Vinyl Acetate
 Concen: 1.997 ppbv
 RT: 4.623 min Scan# 610
 Delta R.T. 0.000 min
 Lab File: VL040280.D
 Acq: 15 Mar 2023 12:16

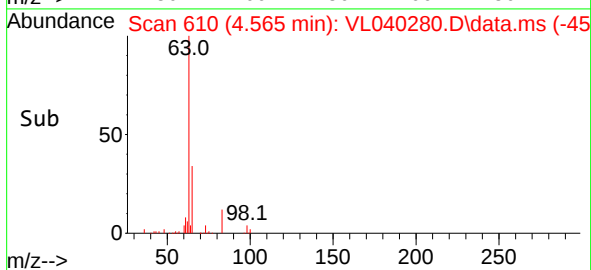
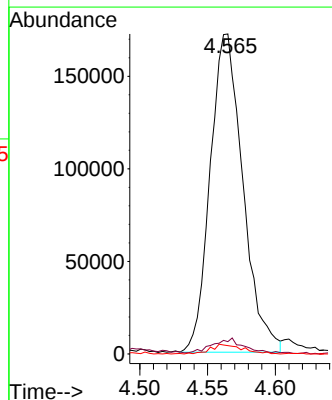
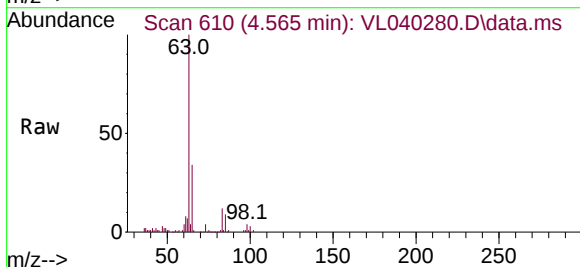
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

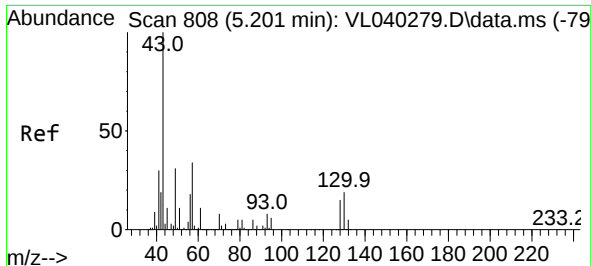
Tgt Ion:	43	Resp:	73448
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.0	7.4
42	9.1	9.1	13.7#
44	9.6	4.5	6.7#



#24
 1,1-Dichloroethane
 Concen: 2.202 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. 0.006 min
 Lab File: VL040280.D
 Acq: 15 Mar 2023 12:16

Tgt Ion:	63	Resp:	288838
Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.4	7.2
100	2.6	1.2	3.6



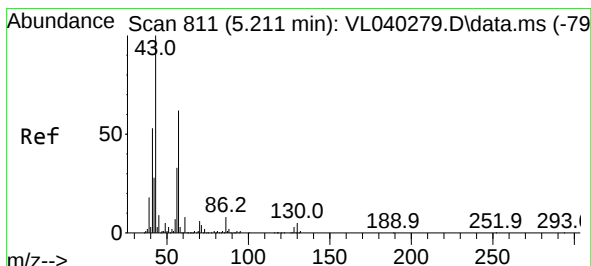
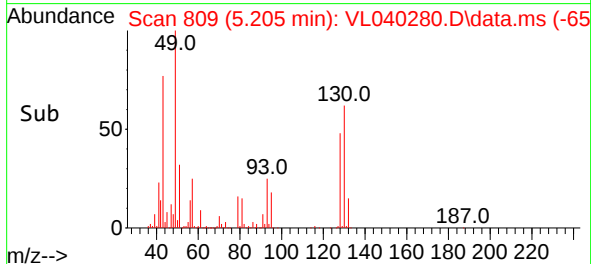
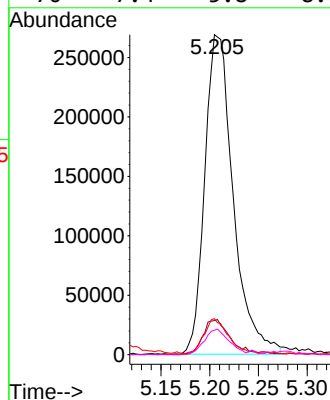
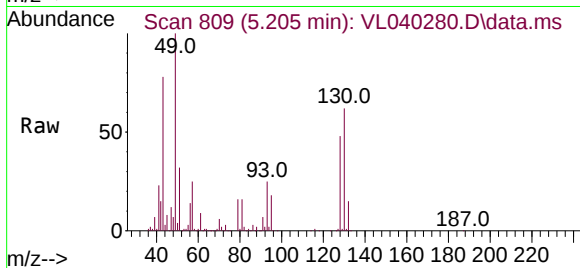


#25
Ethyl Acetate
Concen: 2.206 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.003 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 43 Resp: 545877

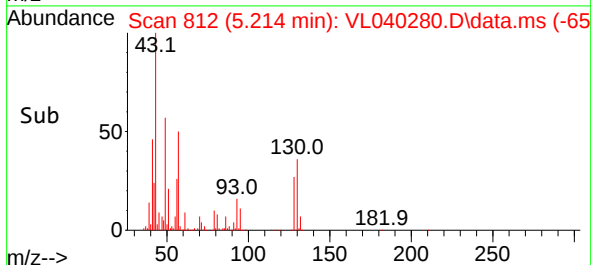
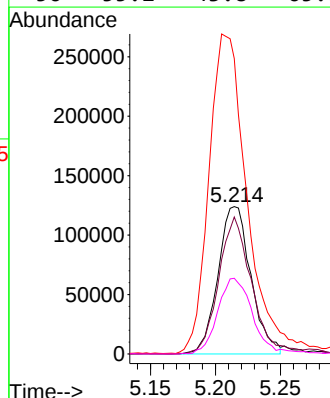
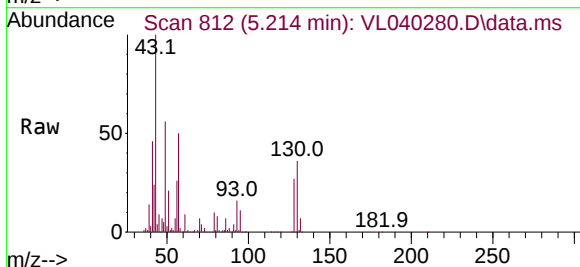
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.6	12.8
61	11.4	8.4	12.6
70	7.4	5.8	8.6

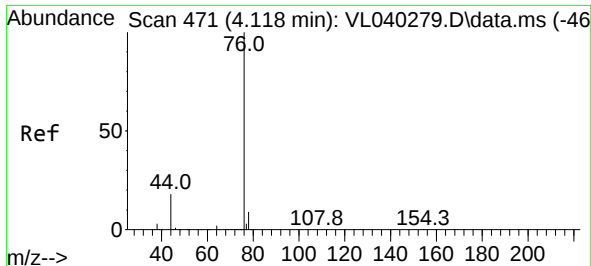


#26
Hexane
Concen: 2.146 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.003 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Tgt Ion: 57 Resp: 218016

Ion	Ratio	Lower	Upper
57	100		
41	95.7	73.5	110.3
43	256.0	196.3	294.5
56	55.2	43.8	65.8

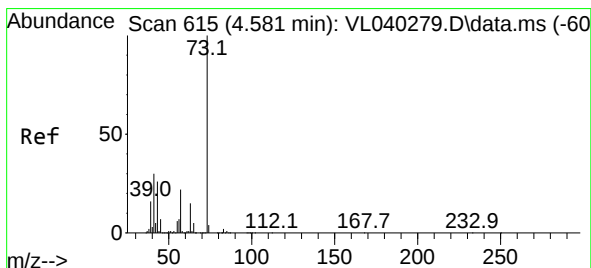
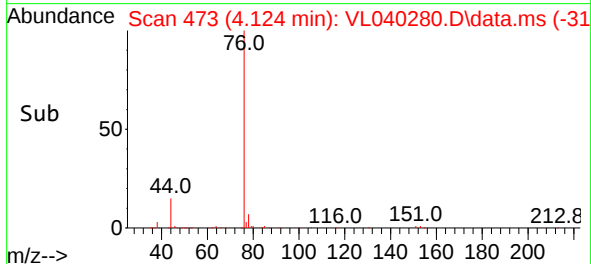
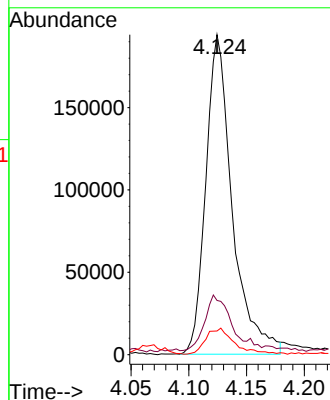
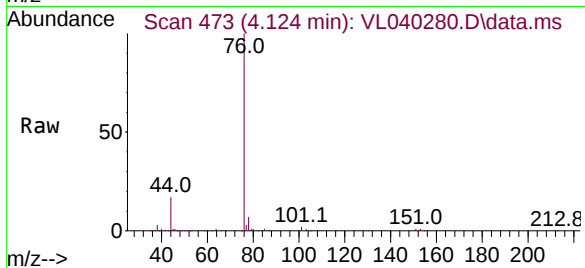




#27
Carbon Disulfide
Concen: 2.180 ppbv
RT: 4.124 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

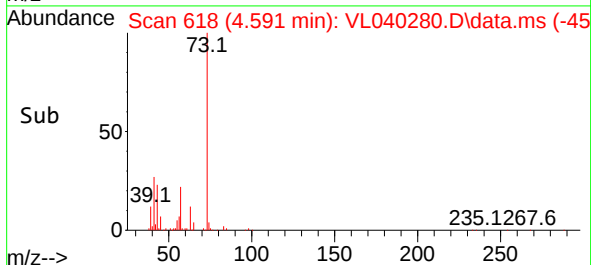
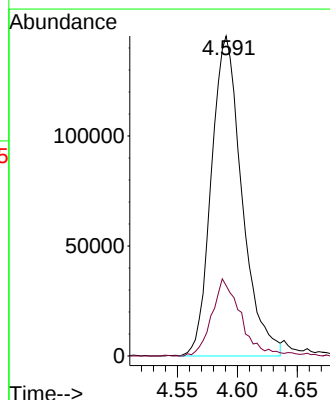
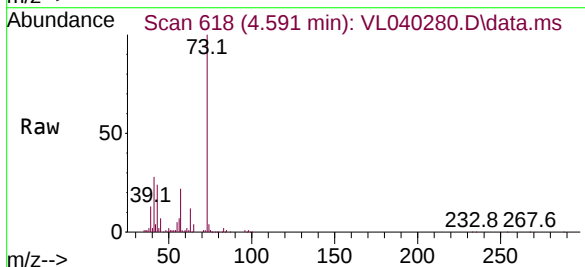
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

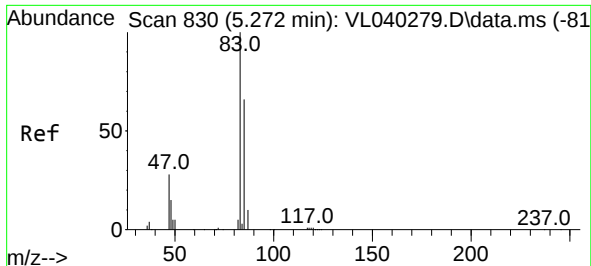
Tgt Ion: 76 Resp: 309335
Ion Ratio Lower Upper
76 100
44 19.6 15.2 22.8
78 10.2 7.6 11.4



#28
Methyl tert-Butyl Ether
Concen: 2.209 ppbv
RT: 4.591 min Scan# 618
Delta R.T. 0.010 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Tgt Ion: 73 Resp: 257724
Ion Ratio Lower Upper
73 100
57 23.5 18.4 27.6





#29

Chloroform

Concen: 2.199 ppbv

RT: 5.276 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Instrument :

MSVOA_L

ClientSampleId :

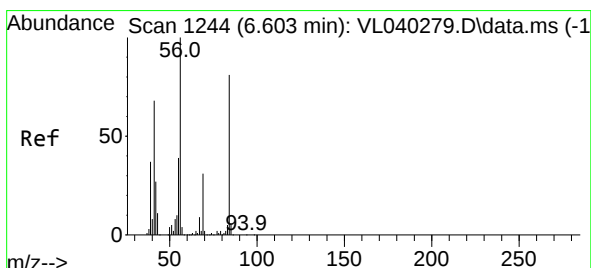
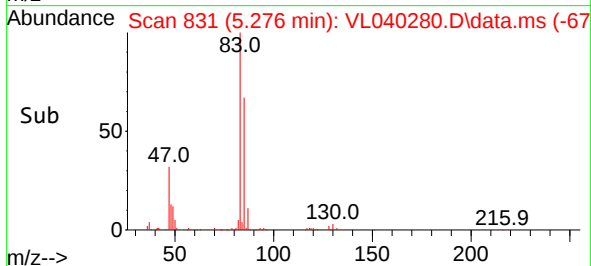
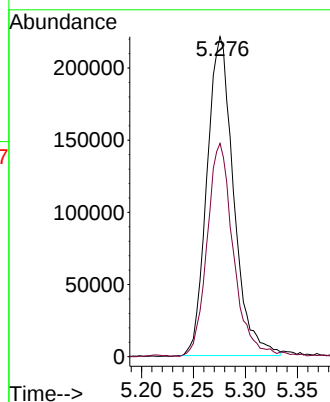
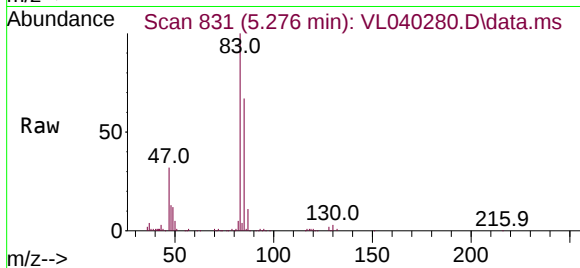
VSTDIC002

Tgt Ion: 83 Resp: 394541

Ion Ratio Lower Upper

83 100

85 66.8 52.8 79.2



#30

Cyclohexane

Concen: 2.160 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. 0.000 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

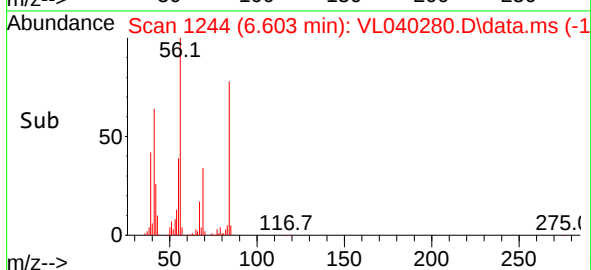
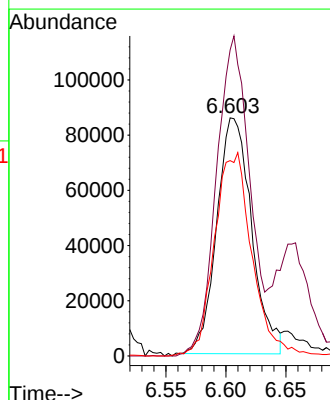
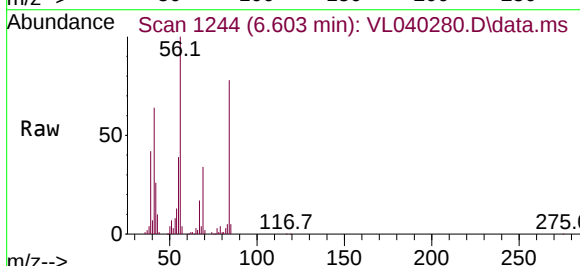
Tgt Ion: 84 Resp: 172881

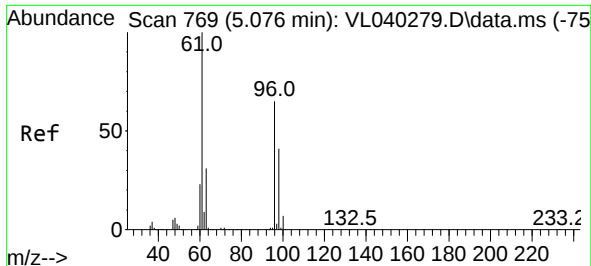
Ion Ratio Lower Upper

84 100

56 128.5 109.0 163.4

41 92.7 67.9 101.9

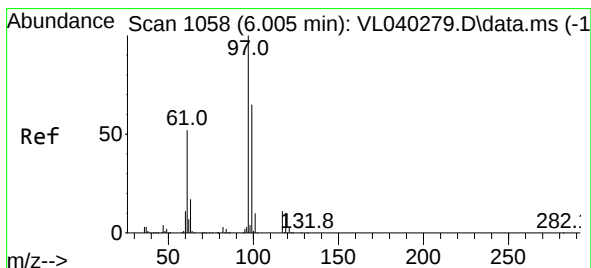
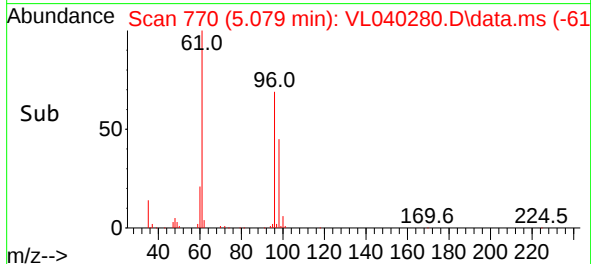
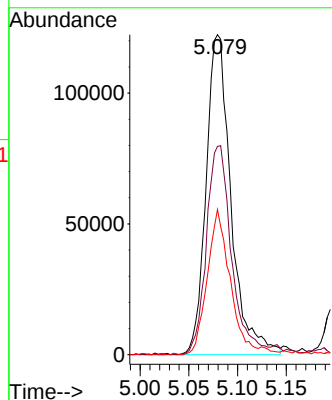
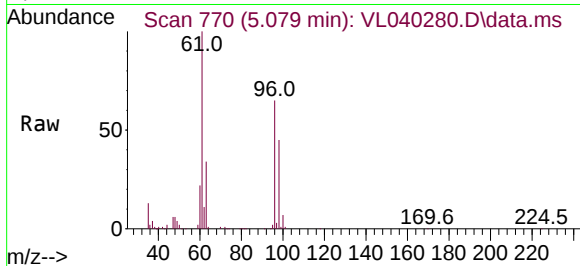




#31
 cis-1,2-Dichloroethene
 Concen: 2.199 ppbv
 RT: 5.079 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL040280.D
 Acq: 15 Mar 2023 12:16

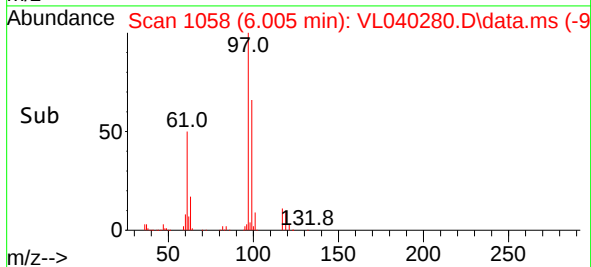
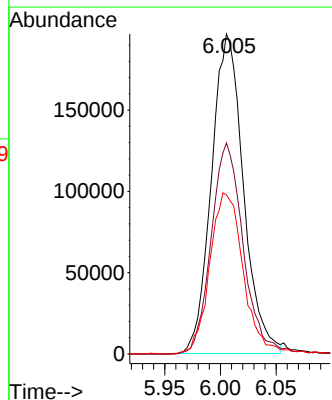
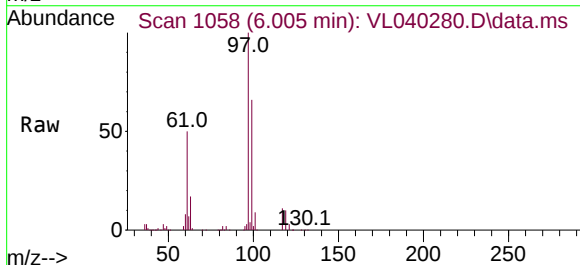
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

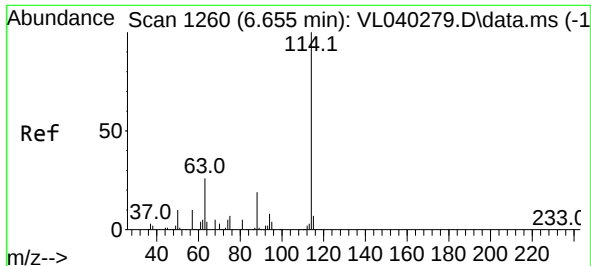
Tgt Ion: 61 Resp: 217538
 Ion Ratio Lower Upper
 61 100
 96 64.9 51.8 77.8
 98 45.3 32.5 48.7



#32
 1,1,1-Trichloroethane
 Concen: 2.282 ppbv
 RT: 6.005 min Scan# 1058
 Delta R.T. 0.000 min
 Lab File: VL040280.D
 Acq: 15 Mar 2023 12:16

Tgt Ion: 97 Resp: 392223
 Ion Ratio Lower Upper
 97 100
 99 66.5 52.2 78.2
 61 53.5 41.4 62.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

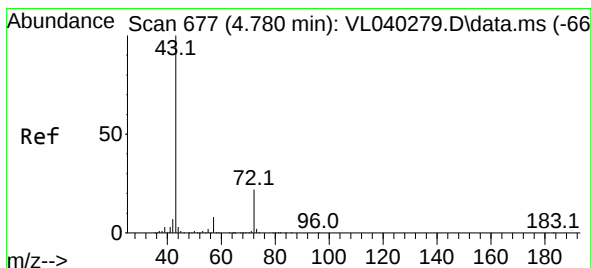
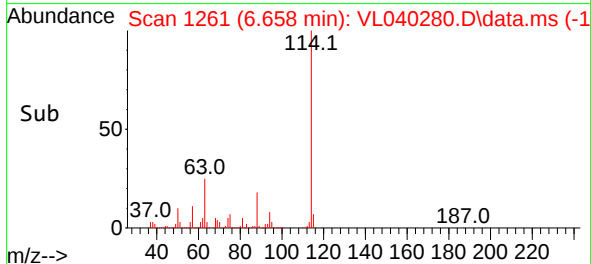
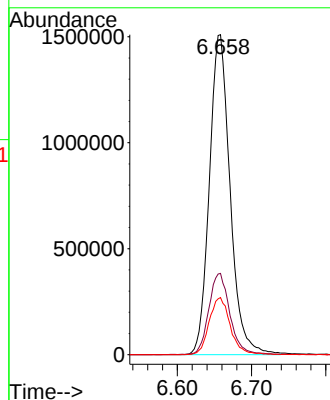
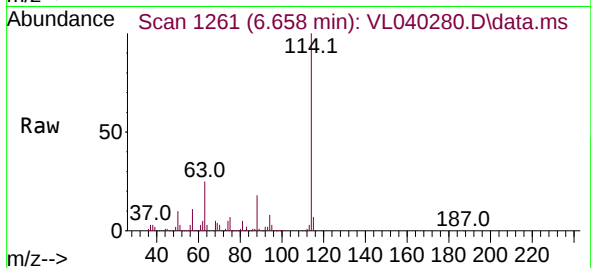
Tgt Ion:114 Resp: 2925212

Ion Ratio Lower Upper

114 100

63 26.1 21.2 31.8

88 18.3 14.5 21.7



#34

2-Butanone

Concen: 2.253 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.010 min

Lab File: VL040280.D

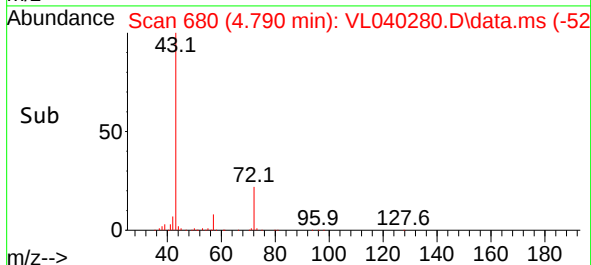
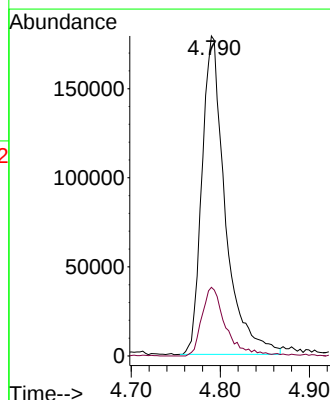
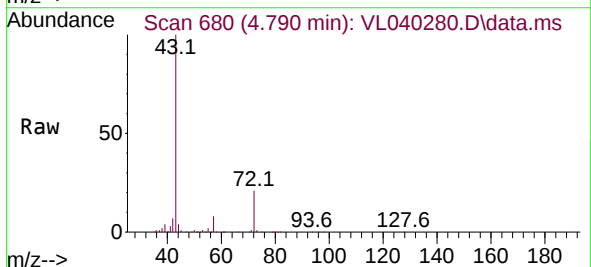
Acq: 15 Mar 2023 12:16

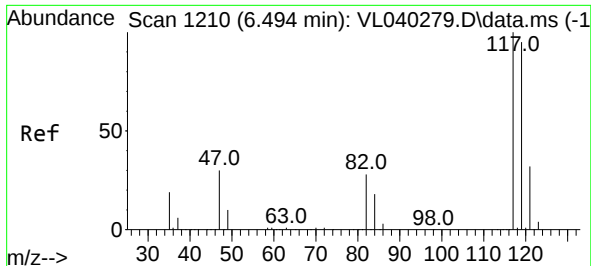
Tgt Ion: 43 Resp: 325200

Ion Ratio Lower Upper

43 100

72 22.5 18.3 27.5

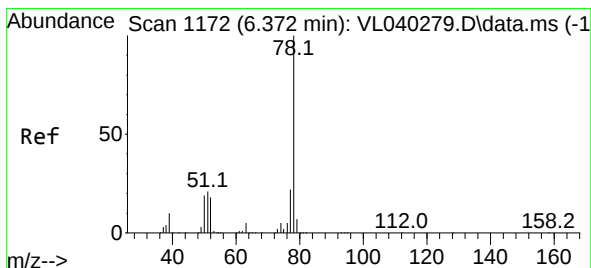
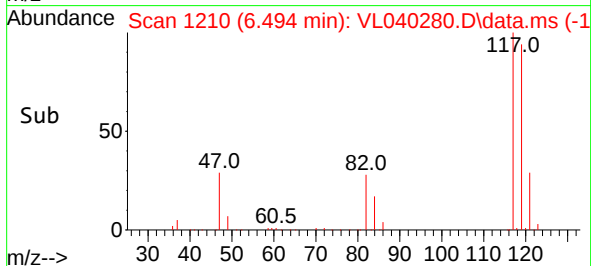
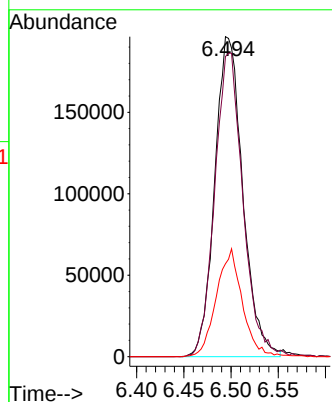
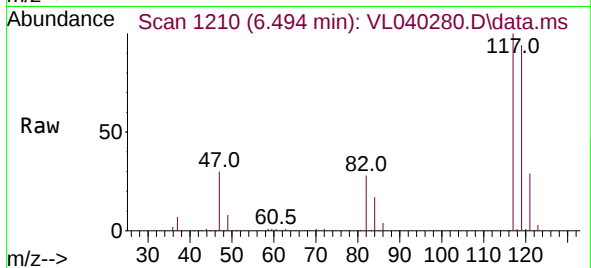




#35
Carbon Tetrachloride
Concen: 2.202 ppbv
RT: 6.494 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

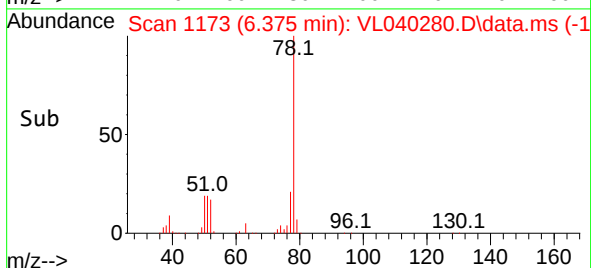
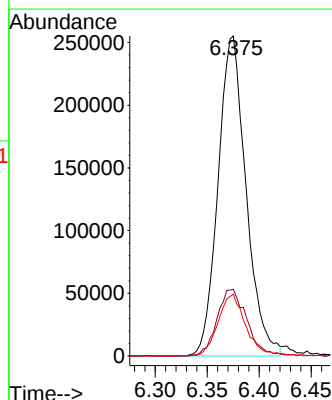
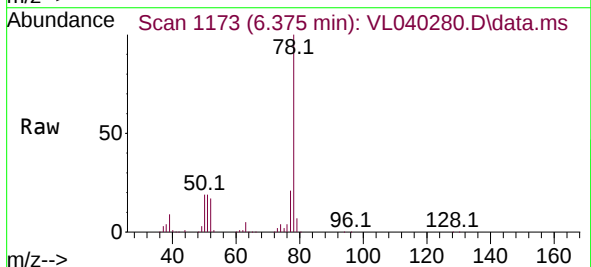
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

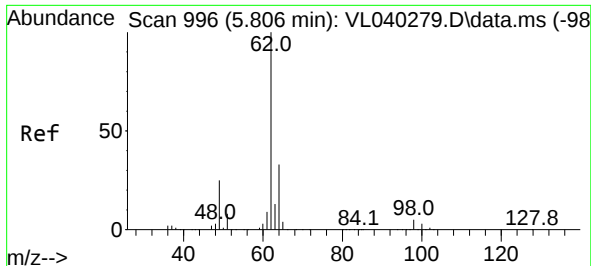
Tgt Ion:117 Resp: 404177
Ion Ratio Lower Upper
117 100
119 93.8 76.4 114.6
121 29.1 25.6 38.4



#36
Benzene
Concen: 2.148 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.003 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Tgt Ion: 78 Resp: 478807
Ion Ratio Lower Upper
78 100
77 20.9 17.8 26.8
50 19.2 15.4 23.2

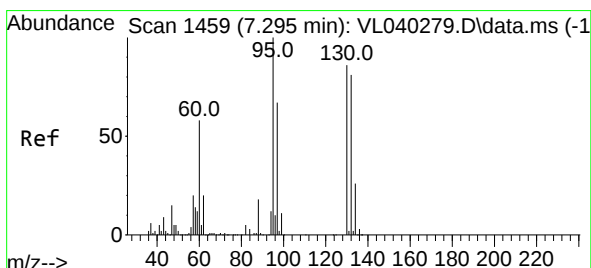
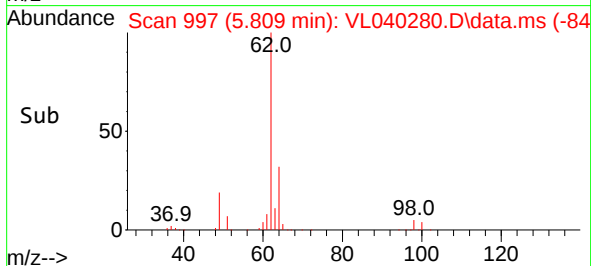
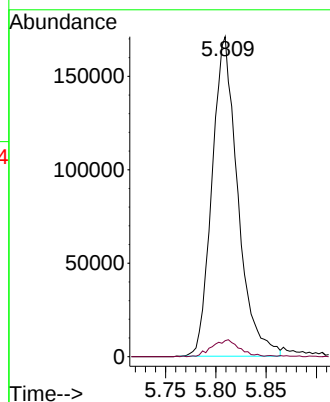
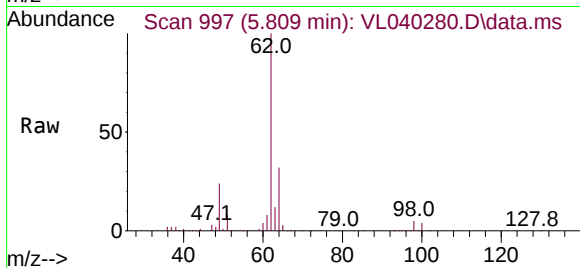




#37
1,2-Dichloroethane
Concen: 2.098 ppbv
RT: 5.809 min Scan# 996
Delta R.T. 0.003 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

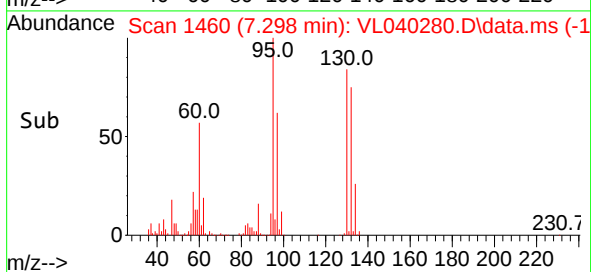
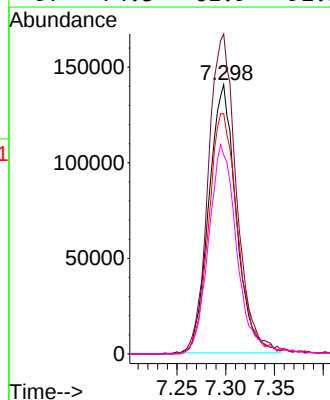
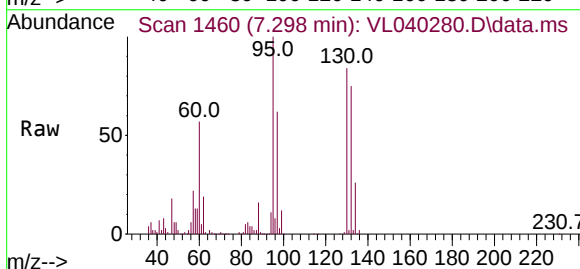
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

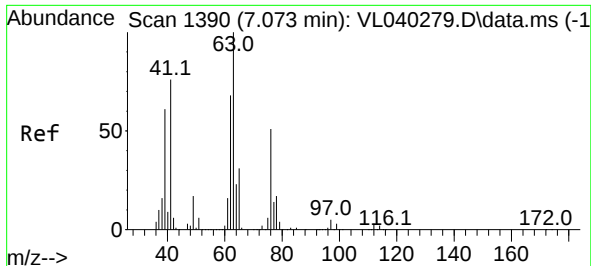
Tgt Ion: 62 Resp: 304346
Ion Ratio Lower Upper
62 100
98 6.0 4.3 6.5



#38
Trichloroethene
Concen: 2.239 ppbv
RT: 7.298 min Scan# 1460
Delta R.T. 0.003 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Tgt Ion:130 Resp: 272749
Ion Ratio Lower Upper
130 100
95 119.2 93.0 139.4
132 89.3 75.3 112.9
97 74.3 61.9 92.9





#39

1,2-Dichloropropane

Concen: 2.129 ppbv

RT: 7.079 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

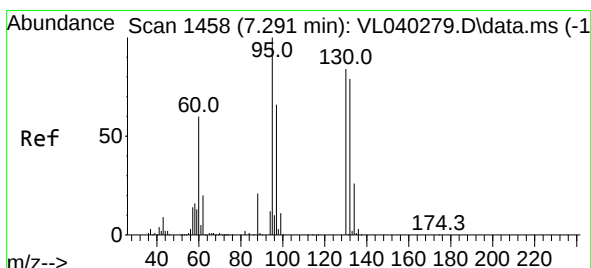
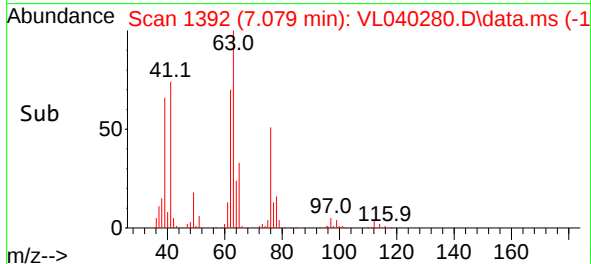
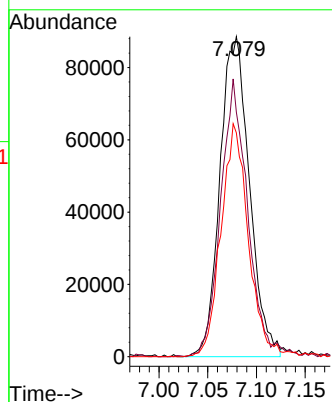
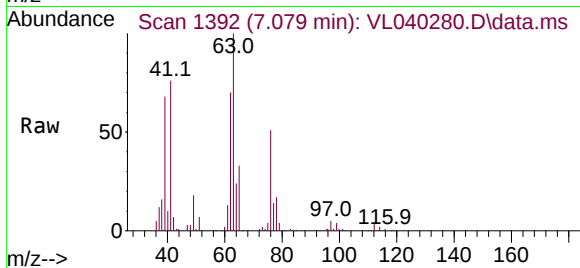
Tgt Ion: 63 Resp: 186225

Ion Ratio Lower Upper

63 100

41 76.1 60.8 91.2

62 69.9 54.1 81.1



#40

1,4-Dioxane

Concen: 1.995 ppbv

RT: 7.301 min Scan# 1461

Delta R.T. 0.010 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Tgt Ion: 88 Resp: 69033

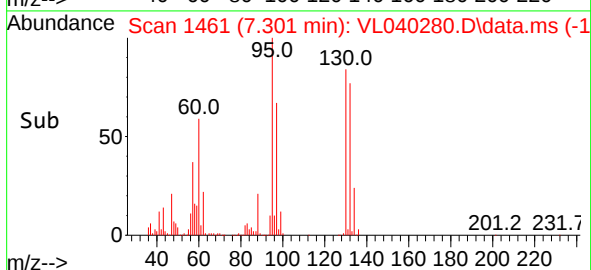
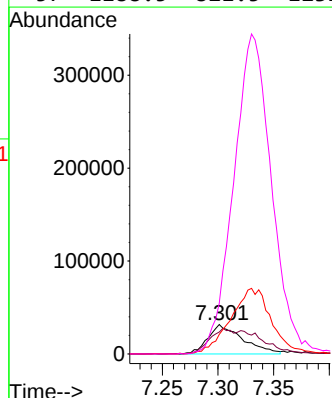
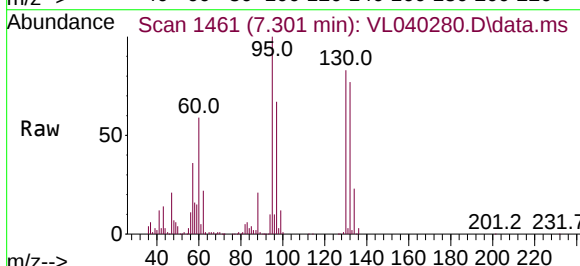
Ion Ratio Lower Upper

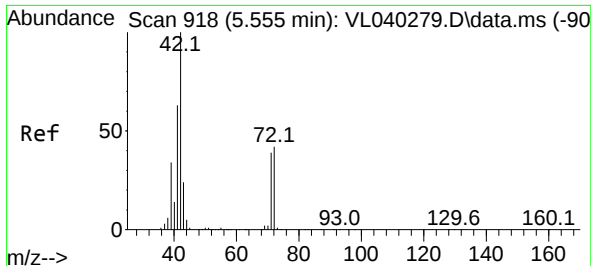
88 100

58 125.9 96.0 144.0

43 265.2 187.6 281.4

57 1188.5 821.5 1232.3





#41

Tetrahydrofuran

Concen: 1.145 ppbv

RT: 5.568 min Scan# 918

Delta R.T. 0.013 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

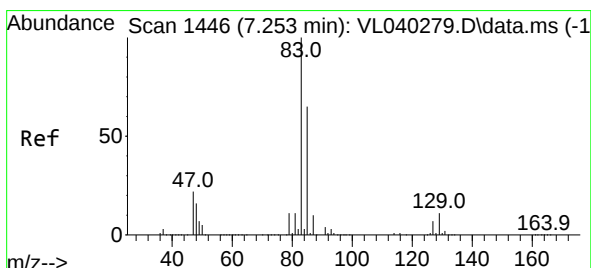
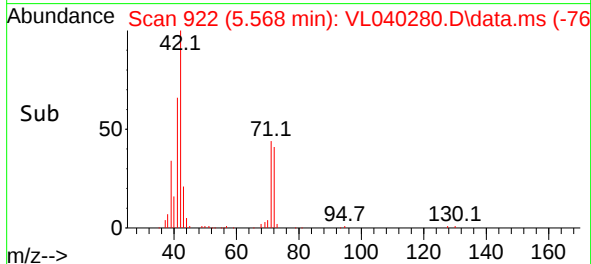
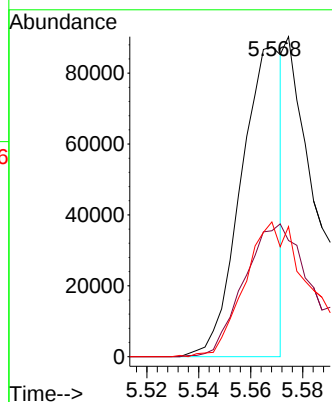
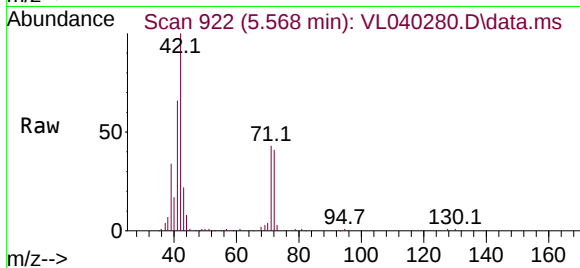
Tgt Ion: 42 Resp: 95391

Ion Ratio Lower Upper

42 100

72 78.9 32.6 49.0#

71 75.8 31.0 46.4#



#42

Bromodichloromethane

Concen: 2.132 ppbv

RT: 7.253 min Scan# 1446

Delta R.T. 0.000 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

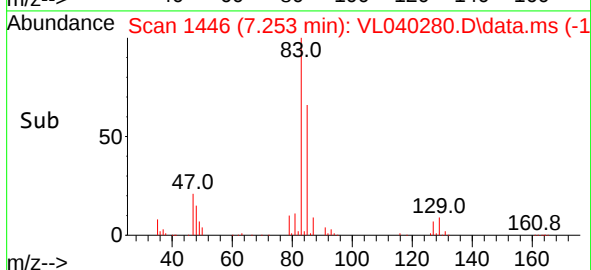
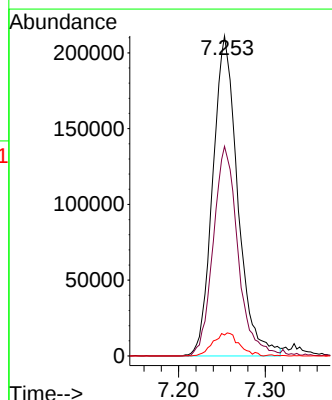
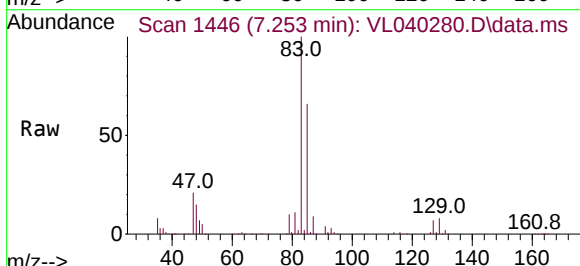
Tgt Ion: 83 Resp: 422814

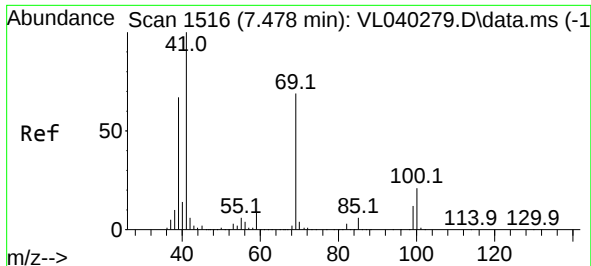
Ion Ratio Lower Upper

83 100

85 65.5 52.1 78.1

127 6.6 5.8 8.6

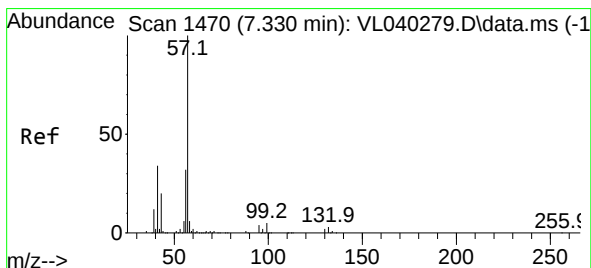
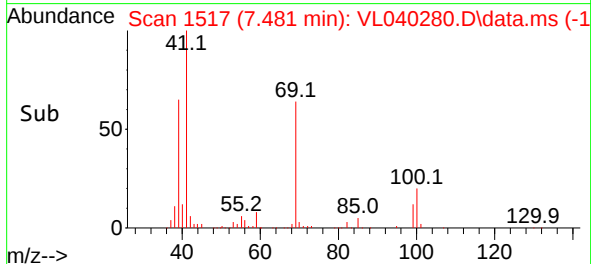
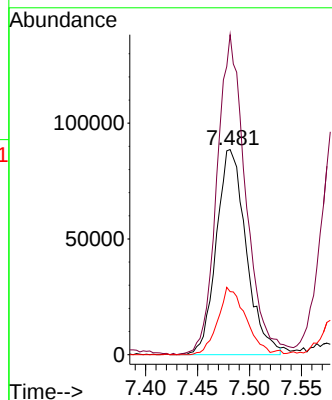
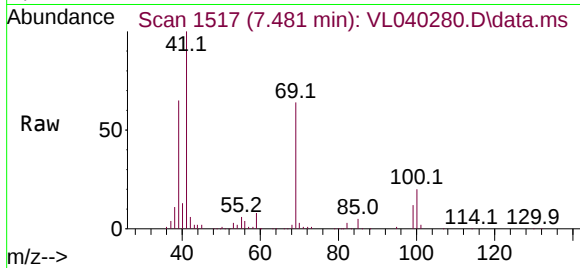




#43
Methyl Methacrylate
Concen: 2.141 ppbv
RT: 7.481 min Scan# 1516
Delta R.T. 0.003 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

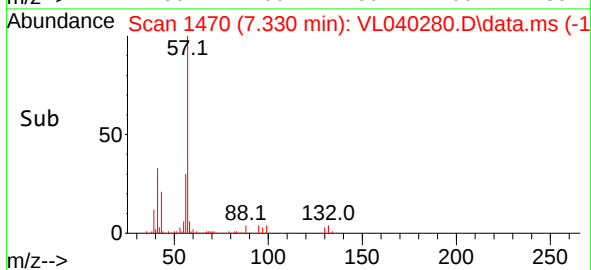
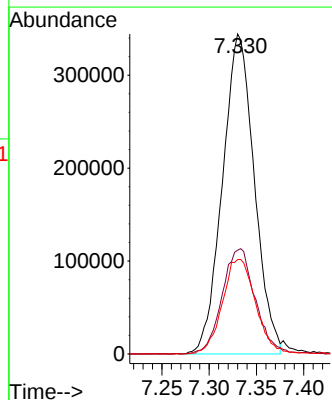
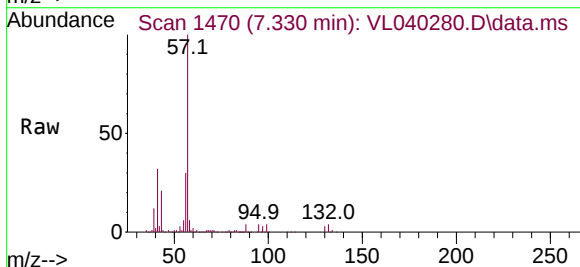
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

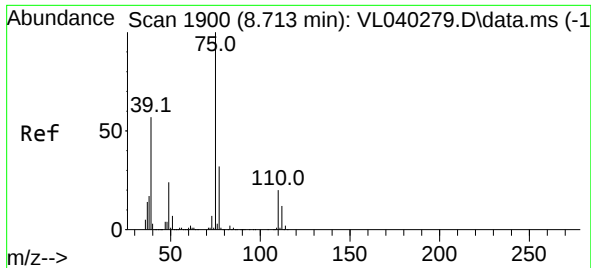
Tgt Ion: 69 Resp: 177401
Ion Ratio Lower Upper
69 100
41 150.9 116.9 175.3
100 31.2 24.2 36.4



#44
2,2,4-Trimethylpentane
Concen: 2.172 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Tgt Ion: 57 Resp: 807390
Ion Ratio Lower Upper
57 100
41 34.3 26.8 40.2
56 31.0 25.0 37.6

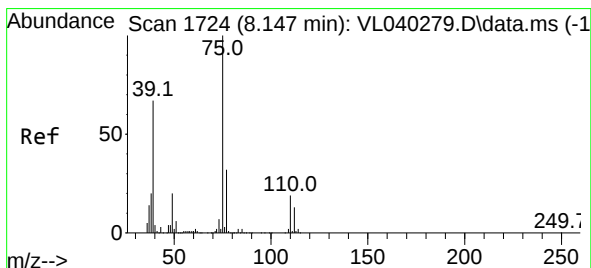
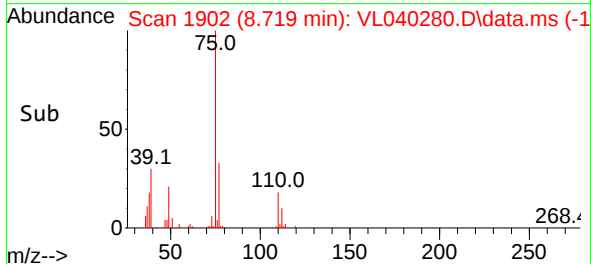
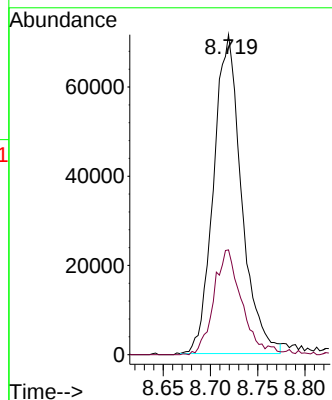
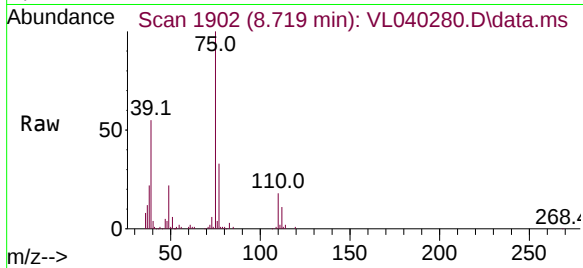




#45
t-1,3-Dichloropropene
Concen: 2.034 ppbv
RT: 8.719 min Scan# 1900
Delta R.T. 0.007 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

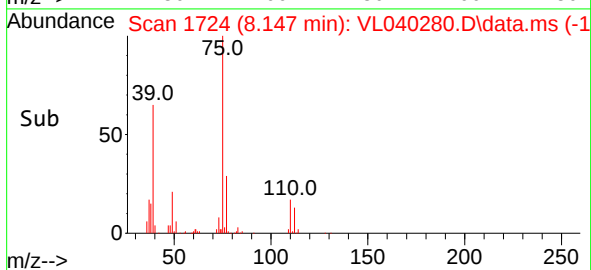
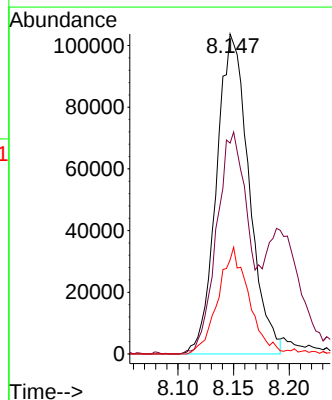
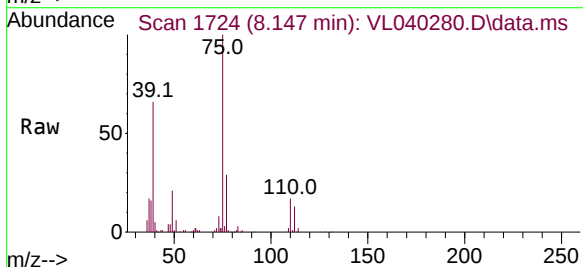
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

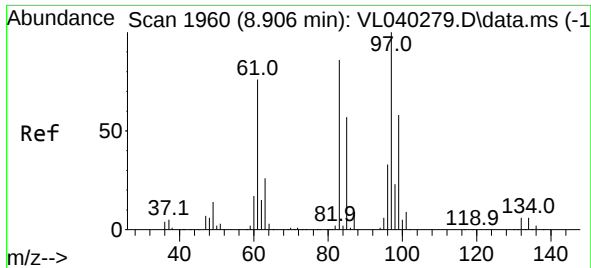
Tgt Ion: 75 Resp: 146863
Ion Ratio Lower Upper
75 100
77 32.7 25.4 38.0



#46
cis-1,3-Dichloropropene
Concen: 2.053 ppbv
RT: 8.147 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Tgt Ion: 75 Resp: 210543
Ion Ratio Lower Upper
75 100
39 65.9 53.9 80.9
77 29.4 25.3 37.9



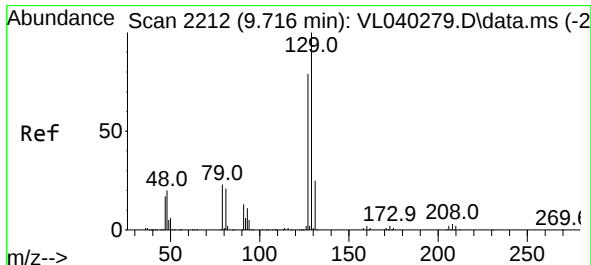
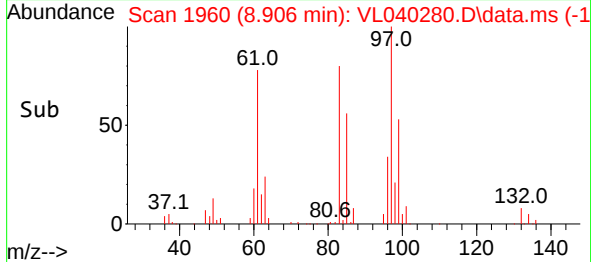
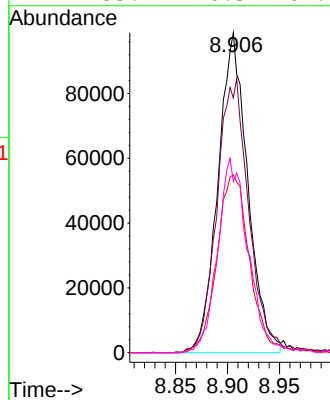
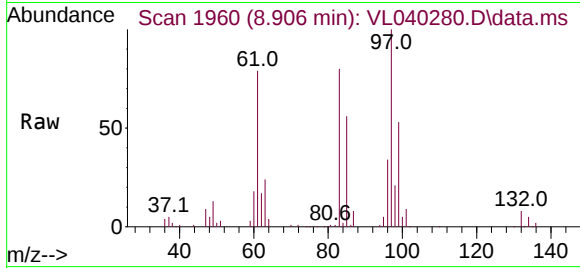


#47
1,1,2-Trichloroethane
Concen: 2.111 ppbv
RT: 8.906 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 97 Resp: 197026

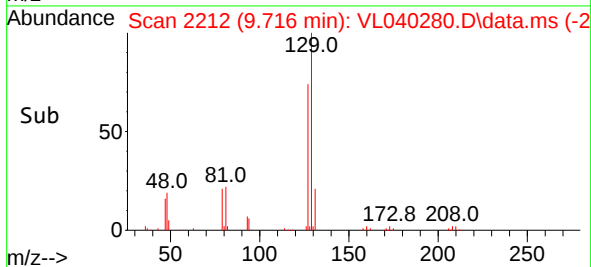
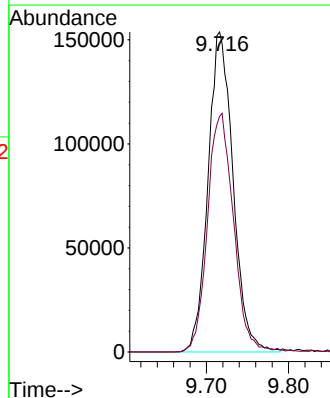
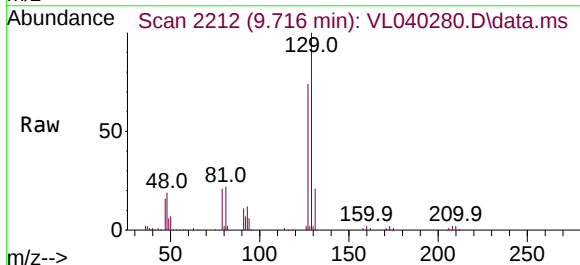
Ion	Ratio	Lower	Upper
97	100		
83	79.4	68.6	103.0
85	55.6	46.0	69.0
99	53.4	46.3	69.5

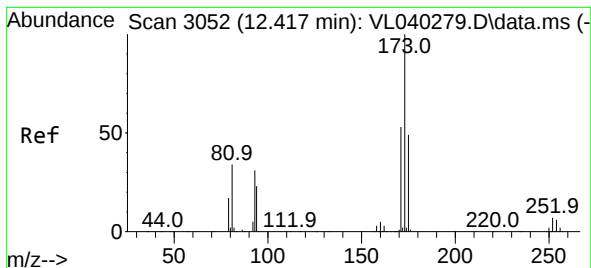


#48
Dibromochloromethane
Concen: 2.123 ppbv
RT: 9.716 min Scan# 2212
Delta R.T. 0.000 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Tgt Ion: 129 Resp: 326091

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.5





#49

Bromoform

Concen: 2.131 ppbv

RT: 12.413 min Scan# 3052

Delta R.T. -0.003 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

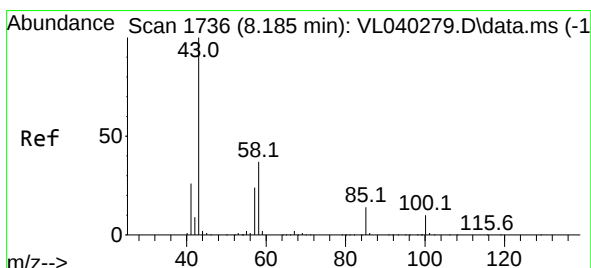
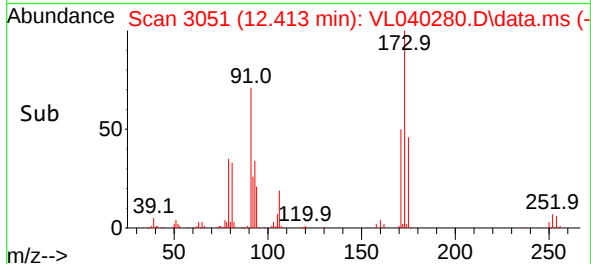
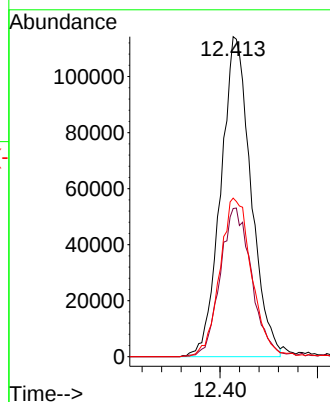
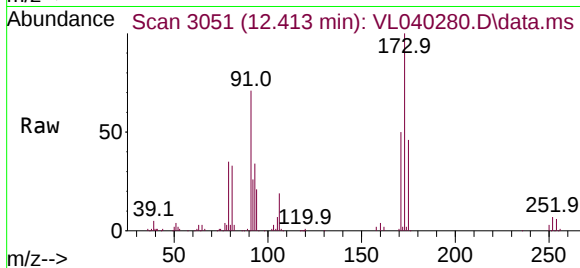
Tgt Ion:173 Resp: 245810

Ion Ratio Lower Upper

173 100

175 48.8 39.8 59.8

171 52.9 42.2 63.4



#50

4-Methyl-2-Pentanone

Concen: 2.182 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.010 min

Lab File: VL040280.D

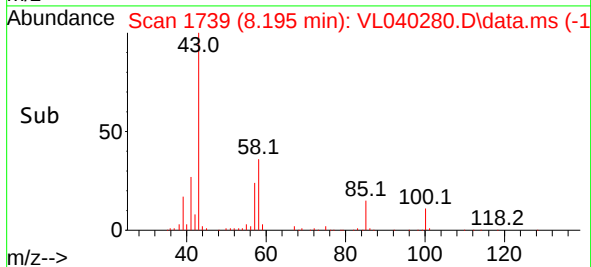
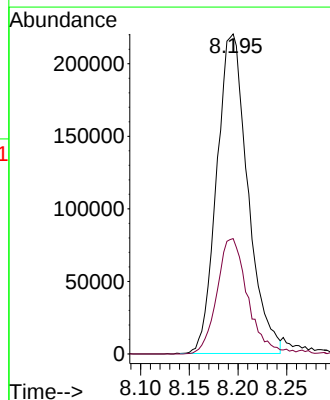
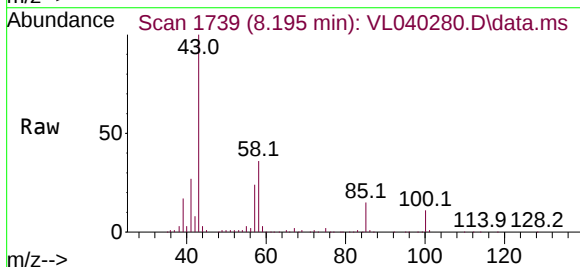
Acq: 15 Mar 2023 12:16

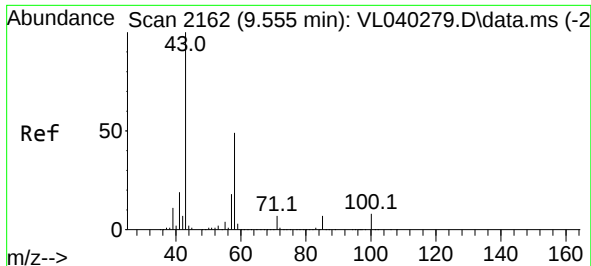
Tgt Ion: 43 Resp: 487530

Ion Ratio Lower Upper

43 100

58 36.5 29.2 43.8

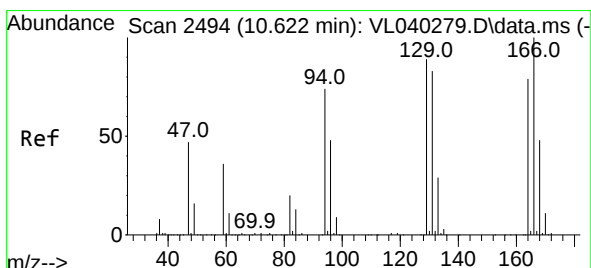
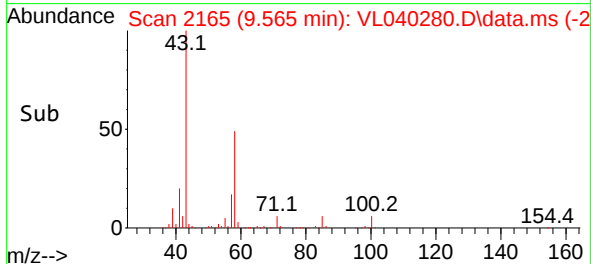
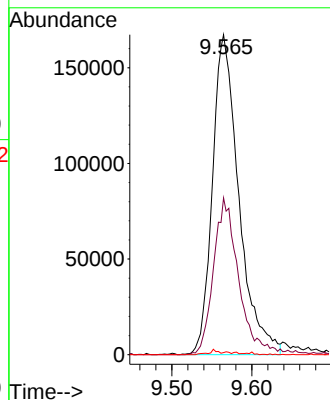
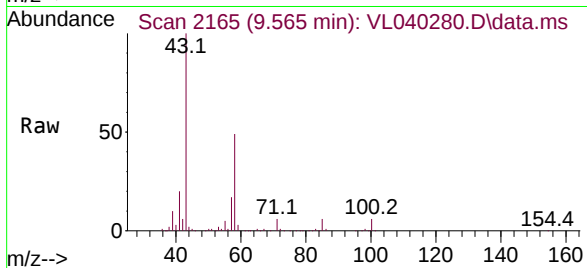




#51
2-Hexanone
Concen: 2.212 ppbv
RT: 9.565 min Scan# 2165
Delta R.T. 0.010 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

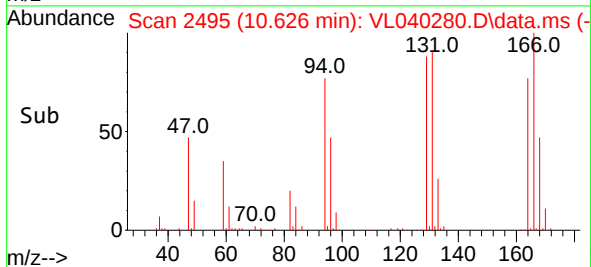
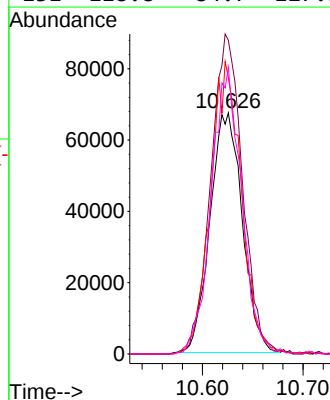
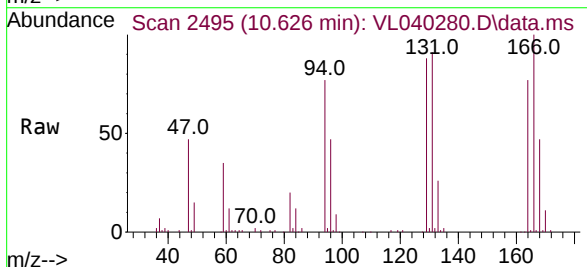
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

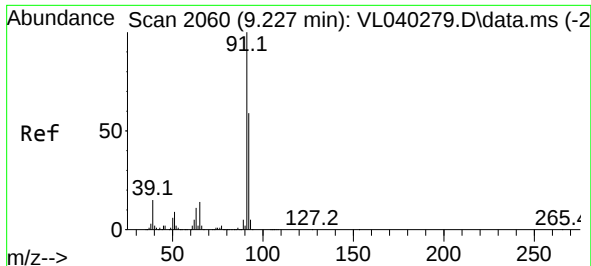
Tgt Ion: 43 Resp: 382817
Ion Ratio Lower Upper
43 100
58 47.7 38.0 57.0
98 0.7 0.5 0.7#



#52
Tetrachloroethene
Concen: 2.218 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. 0.003 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Tgt Ion: 164 Resp: 149606
Ion Ratio Lower Upper
164 100
166 129.5 101.8 152.6
129 114.6 90.2 135.2
131 118.8 84.7 127.1

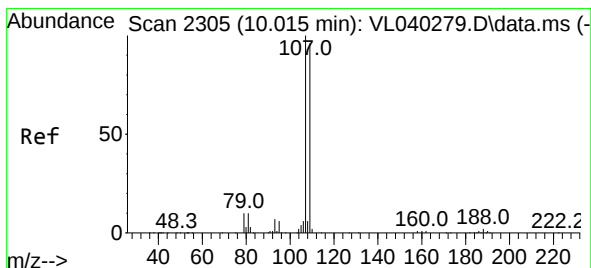
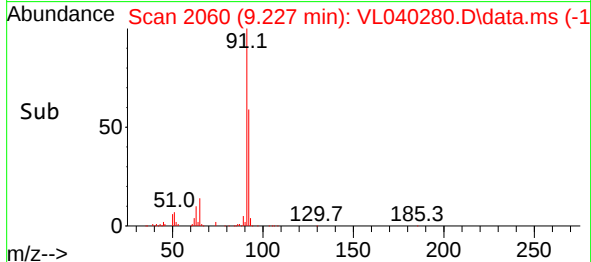
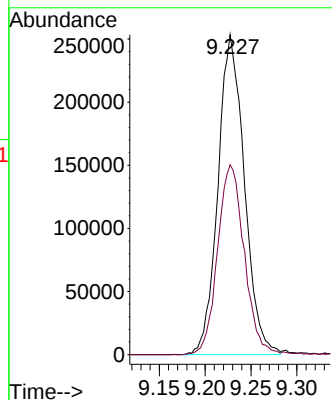
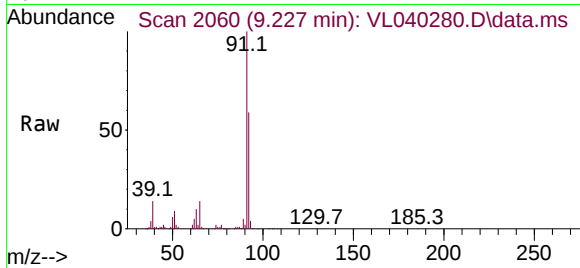




#53
Toluene
Concen: 2.170 ppbv
RT: 9.227 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

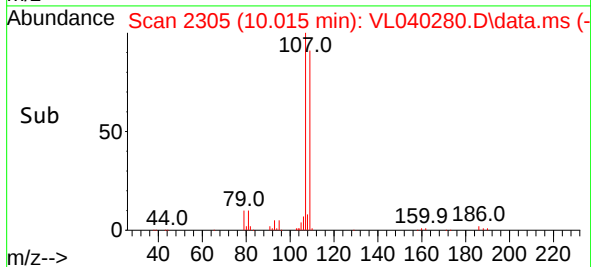
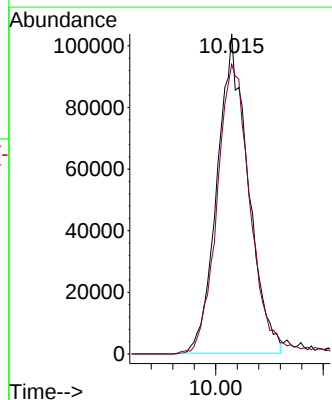
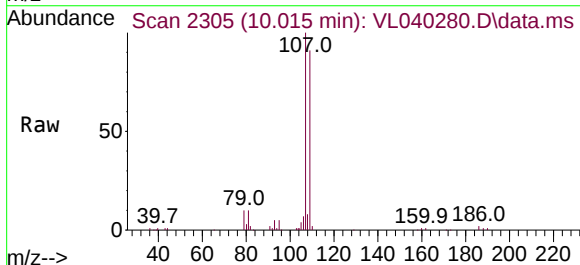
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

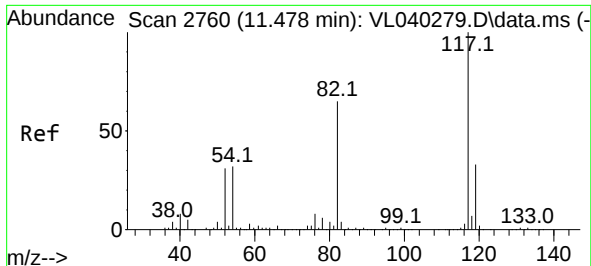
Tgt Ion: 91 Resp: 507048
Ion Ratio Lower Upper
91 100
92 60.5 48.0 72.0



#54
1,2-Dibromoethane
Concen: 2.159 ppbv
RT: 10.015 min Scan# 2305
Delta R.T. 0.000 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Tgt Ion: 107 Resp: 207367
Ion Ratio Lower Upper
107 100
109 90.2 77.0 115.6

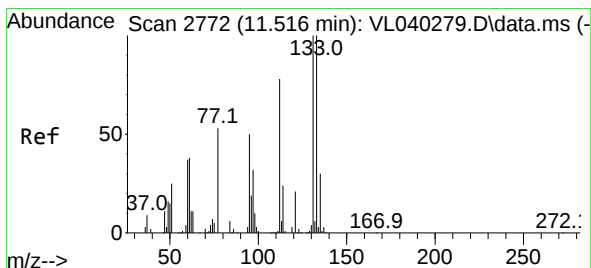
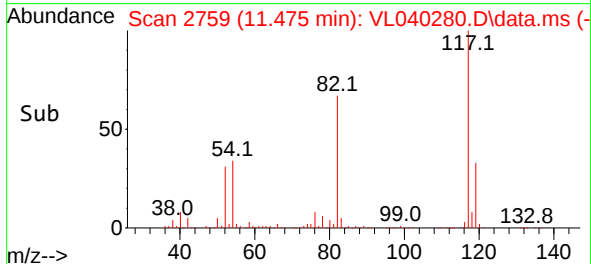
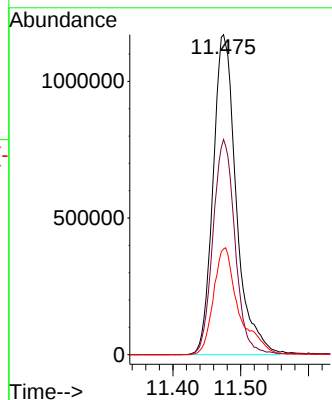
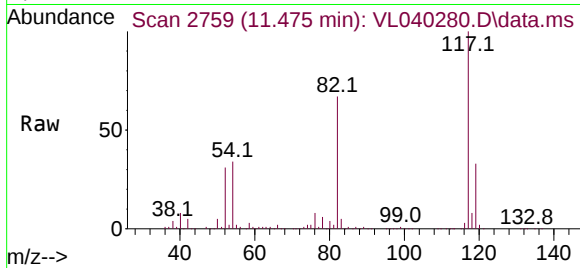




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 211
Delta R.T. -0.003 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

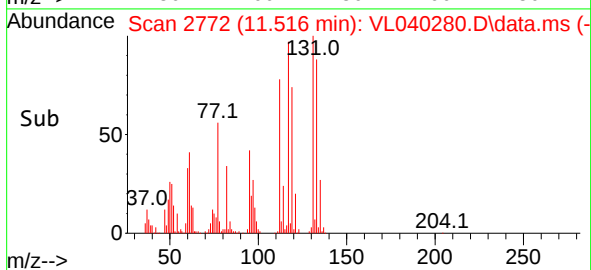
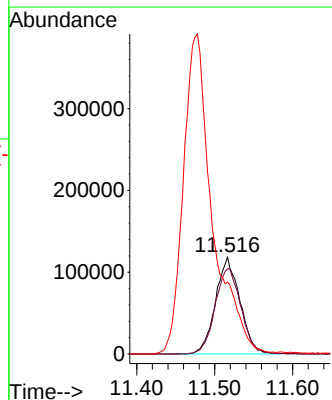
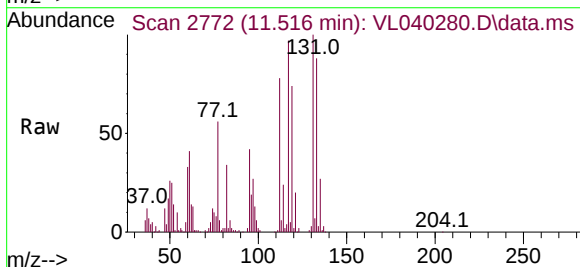
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

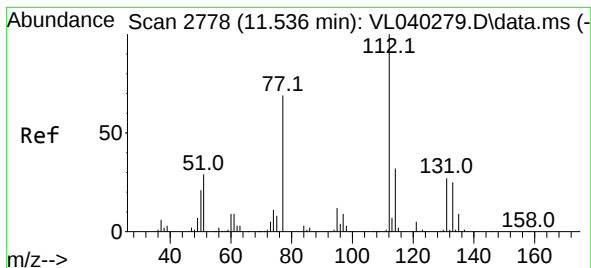
Tgt Ion:117 Resp: 2778502
Ion Ratio Lower Upper
117 100
82 64.2 51.4 77.2
119 36.6 24.0 36.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 2.194 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. 0.000 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Tgt Ion:131 Resp: 256442
Ion Ratio Lower Upper
131 100
133 93.3 76.5 114.7
119 396.5 47.9 71.9#





#57

Chlorobenzene

Concen: 2.128 ppbv

RT: 11.532 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

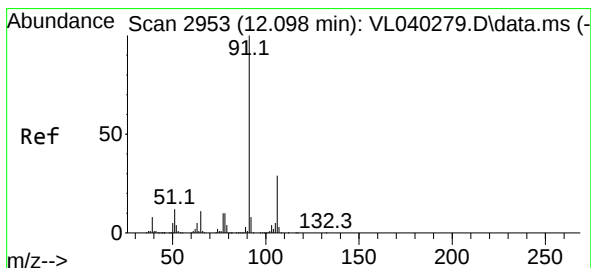
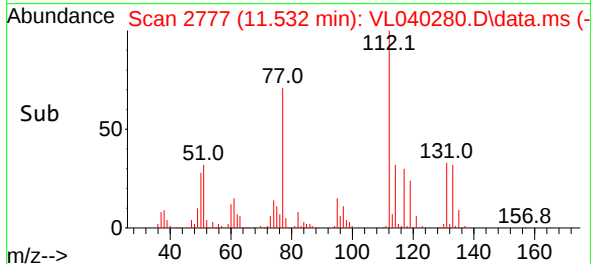
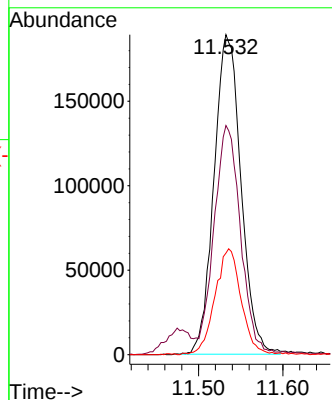
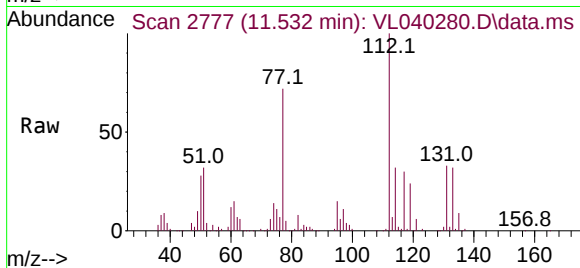
Tgt Ion:112 Resp: 420597

Ion Ratio Lower Upper

112 100

77 70.9 56.2 84.2

114 31.8 29.0 35.4



#58

Ethyl Benzene

Concen: 2.235 ppbv

RT: 12.098 min Scan# 2953

Delta R.T. 0.000 min

Lab File: VL040280.D

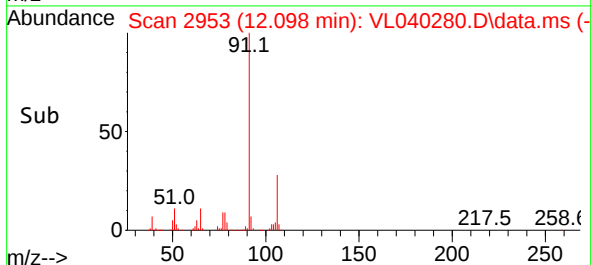
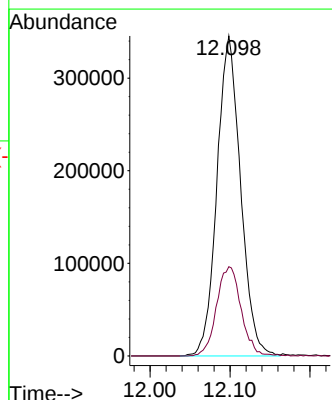
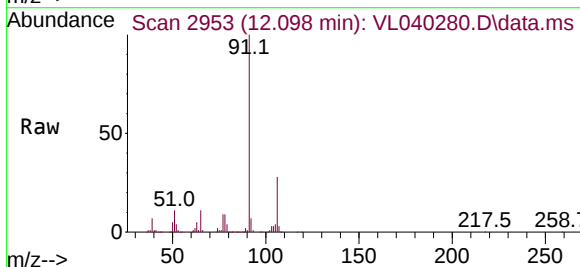
Acq: 15 Mar 2023 12:16

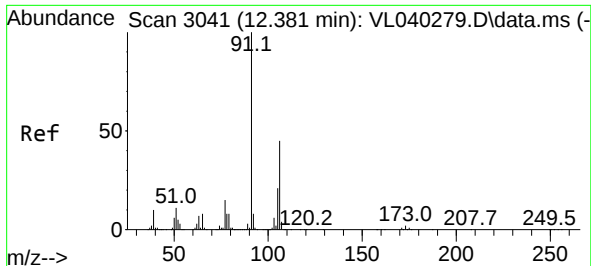
Tgt Ion: 91 Resp: 707167

Ion Ratio Lower Upper

91 100

106 27.9 23.4 35.2





#59

m/p-Xylene

Concen: 2.634 ppbv

RT: 12.378 min Scan# 3040

Delta R.T. -0.003 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Instrument :

MSVOA_L

ClientSampleId :

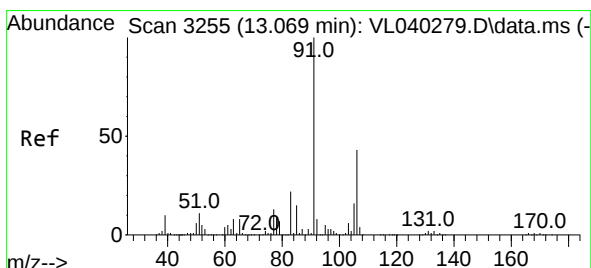
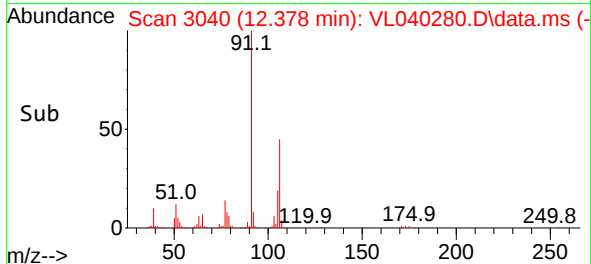
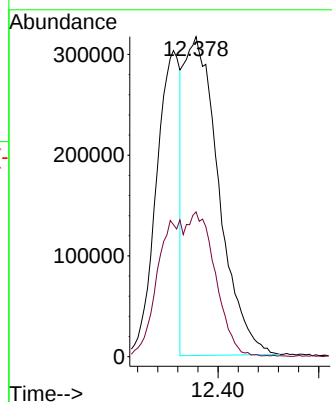
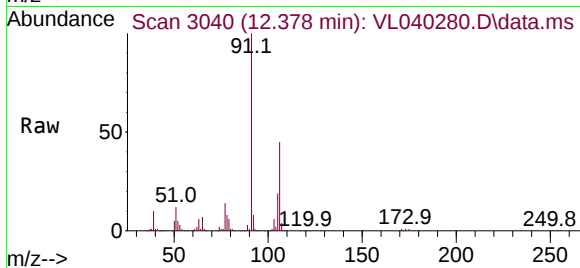
VSTDIC002

Tgt Ion: 91 Resp: 763521

Ion Ratio Lower Upper

91 100

106 69.6 34.0 51.0#



#60

o-Xylene

Concen: 2.200 ppbv

RT: 13.066 min Scan# 3254

Delta R.T. -0.003 min

Lab File: VL040280.D

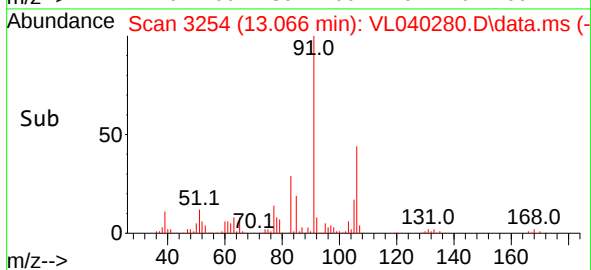
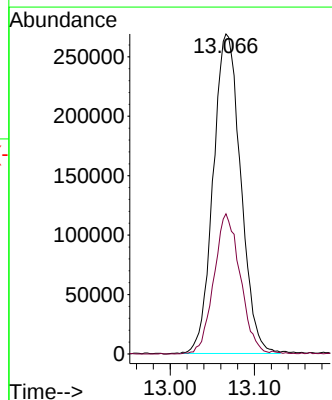
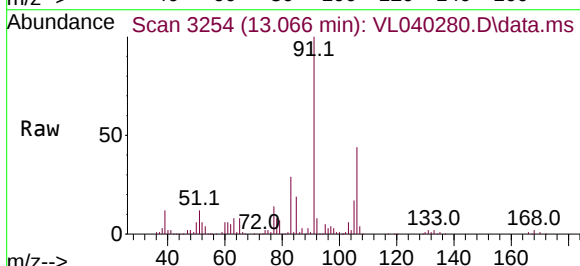
Acq: 15 Mar 2023 12:16

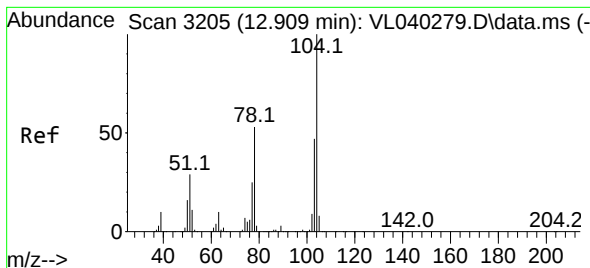
Tgt Ion: 91 Resp: 609408

Ion Ratio Lower Upper

91 100

106 42.4 21.7 65.1





#61

Styrene

Concen: 2.162 ppbv

RT: 12.905 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

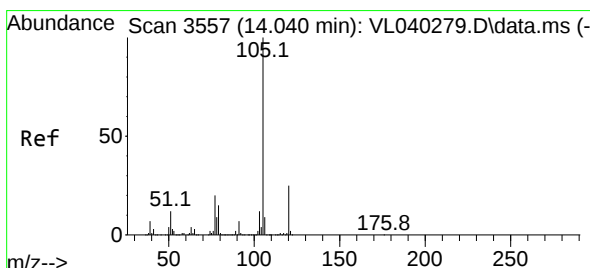
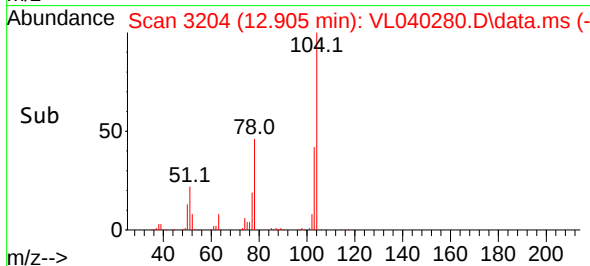
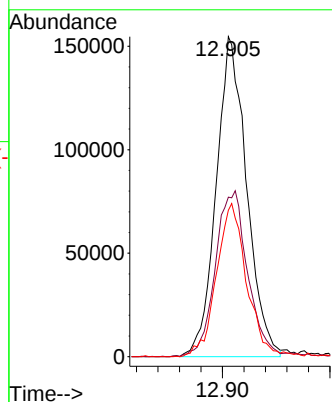
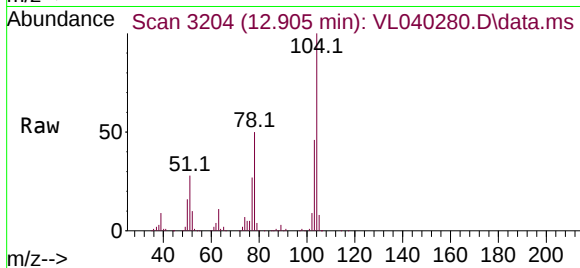
Tgt Ion:104 Resp: 303972

Ion Ratio Lower Upper

104 100

78 55.6 43.7 65.5

103 48.0 37.4 56.2



#62

Isopropylbenzene

Concen: 2.207 ppbv

RT: 14.037 min Scan# 3556

Delta R.T. -0.003 min

Lab File: VL040280.D

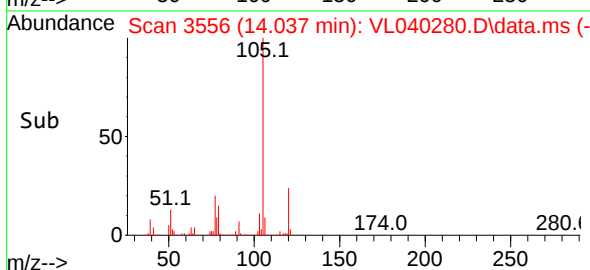
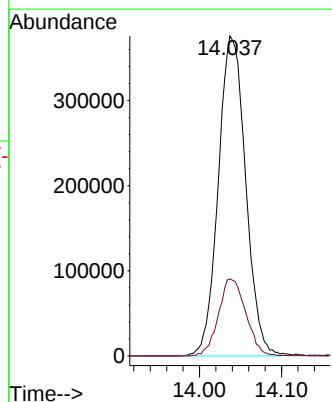
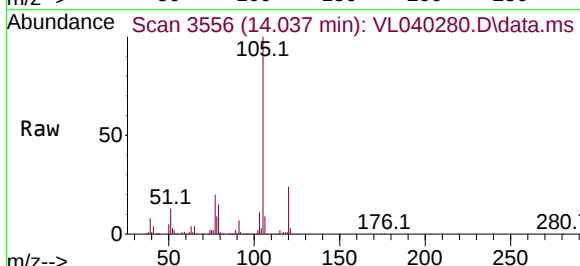
Acq: 15 Mar 2023 12:16

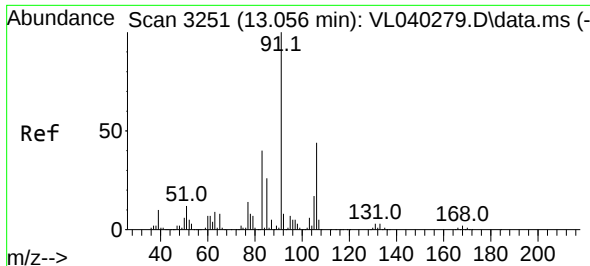
Tgt Ion:105 Resp: 870915

Ion Ratio Lower Upper

105 100

120 24.2 19.9 29.9

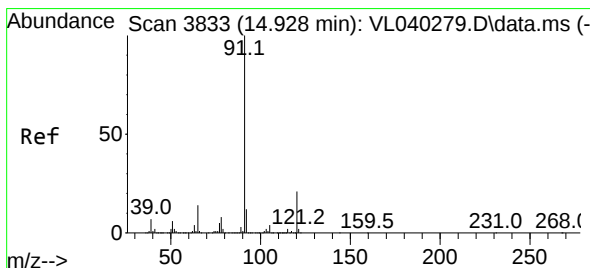
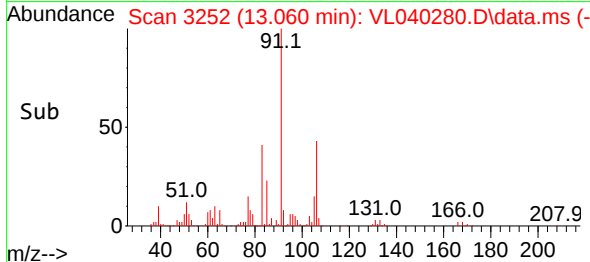
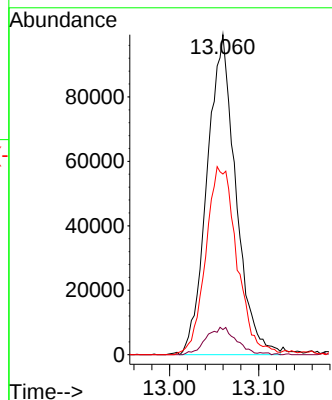
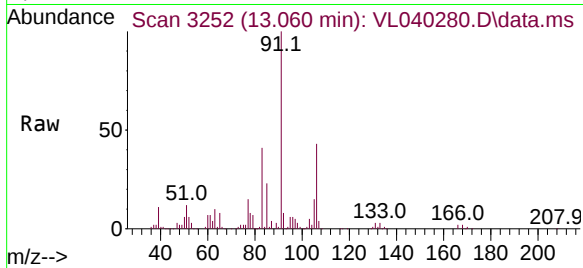




#63
1,1,2,2-Tetrachloroethane
Concen: 2.284 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

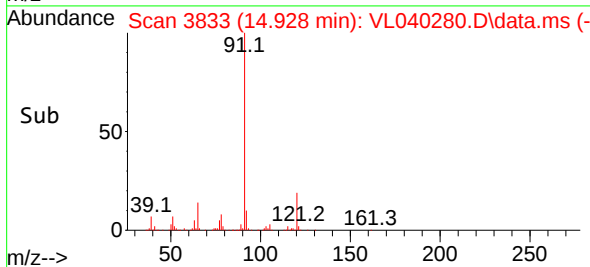
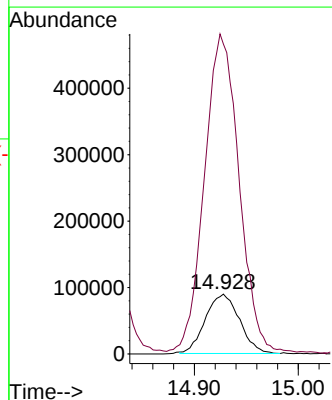
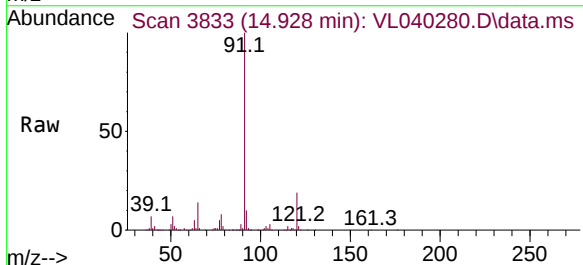
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

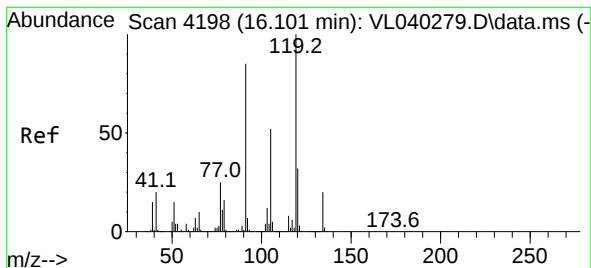
Tgt Ion: 83 Resp: 222685
Ion Ratio Lower Upper
83 100
131 9.2 4.3 12.9
85 65.1 32.7 98.1



#64
n-propylbenzene
Concen: 2.108 ppbv
RT: 14.928 min Scan# 3833
Delta R.T. 0.000 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Tgt Ion:120 Resp: 203556
Ion Ratio Lower Upper
120 100
91 554.0 399.0 598.6





#65

tert-Butylbenzene

Concen: 2.259 ppbv

RT: 16.098 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

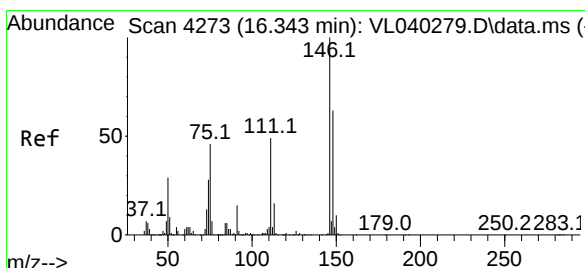
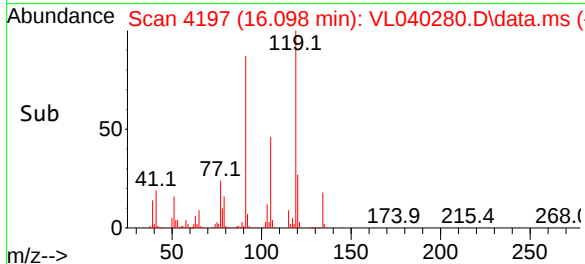
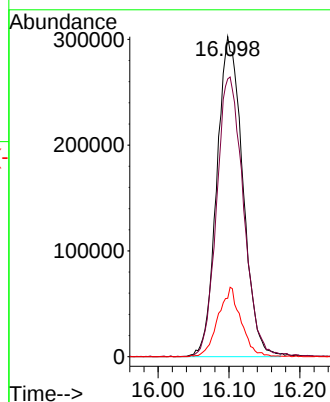
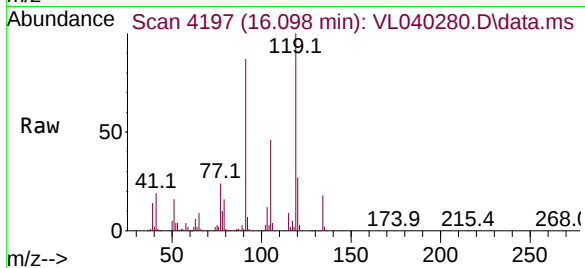
Tgt Ion:119 Resp: 767924

Ion Ratio Lower Upper

119 100

91 90.7 69.4 104.2

134 19.3 15.8 23.6



#66

Benzyl Chloride

Concen: 1.665 ppbv

RT: 16.339 min Scan# 4272

Delta R.T. -0.003 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

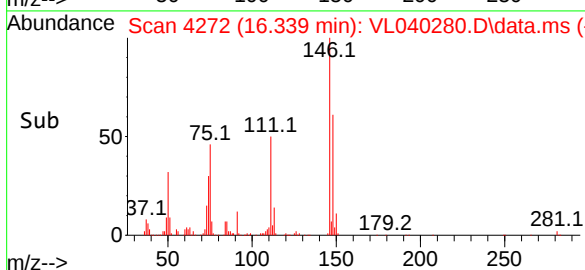
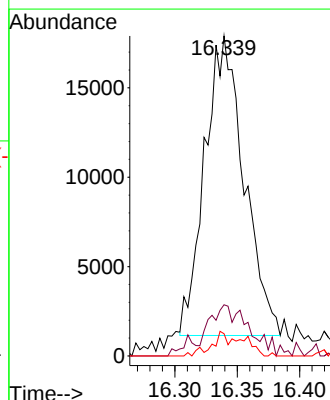
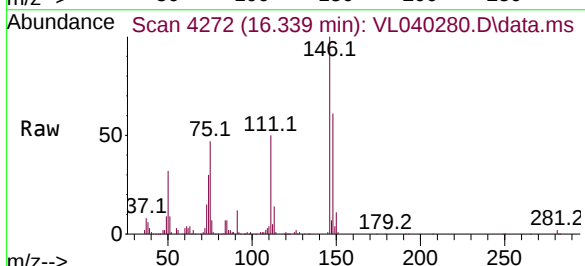
Tgt Ion: 91 Resp: 36786

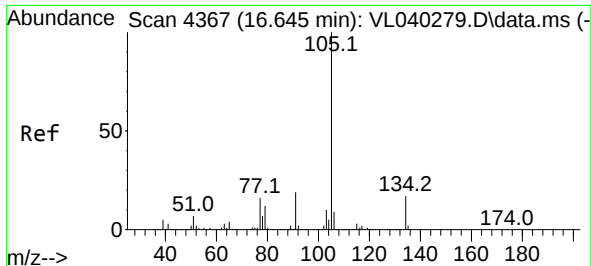
Ion Ratio Lower Upper

91 100

126 21.0 12.1 18.1#

128 6.3 3.8 5.6#

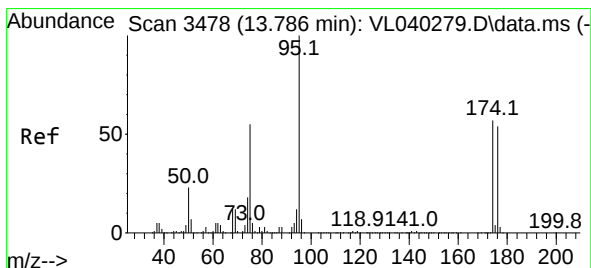
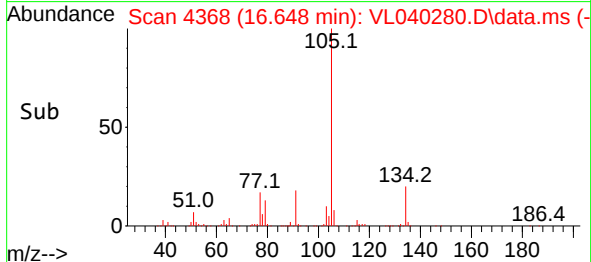
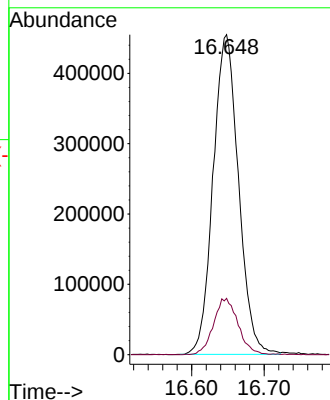
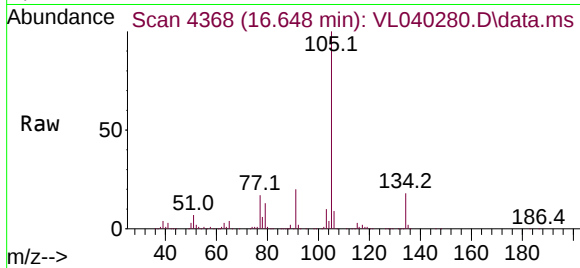




#67
 sec-Butylbenzene
 Concen: 2.272 ppbv
 RT: 16.648 min Scan# 4367
 Delta R.T. 0.003 min
 Lab File: VL040280.D
 Acq: 15 Mar 2023 12:16

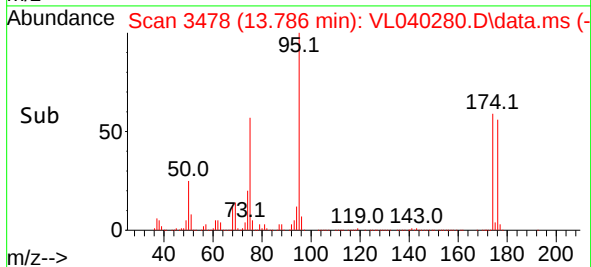
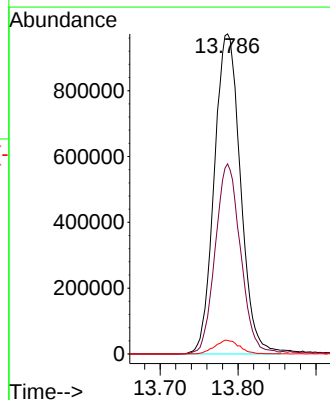
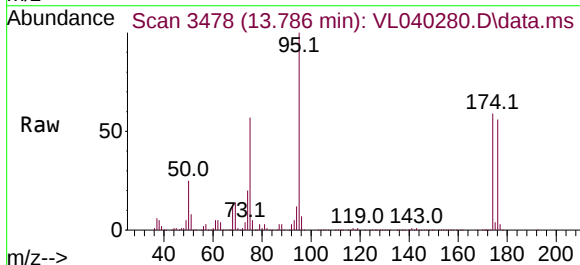
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

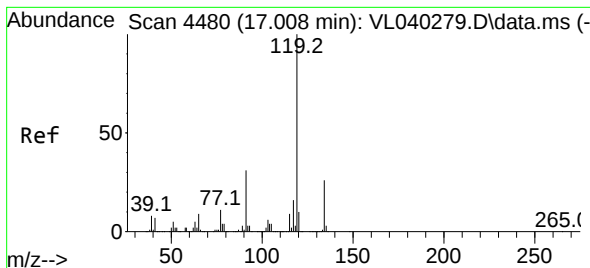
Tgt Ion:105 Resp: 1104839
 Ion Ratio Lower Upper
 105 100
 134 17.2 14.0 21.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.774 ppbv
 RT: 13.786 min Scan# 3478
 Delta R.T. 0.000 min
 Lab File: VL040280.D
 Acq: 15 Mar 2023 12:16

Tgt Ion: 95 Resp: 2274124
 Ion Ratio Lower Upper
 95 100
 174 58.4 47.0 70.6
 175 4.2 3.4 5.2

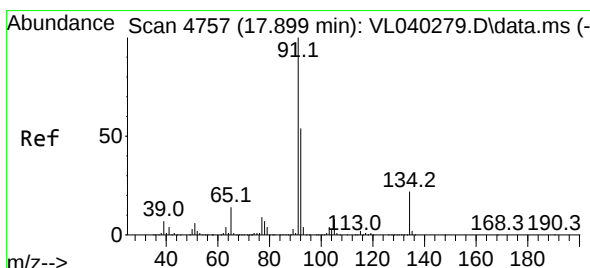
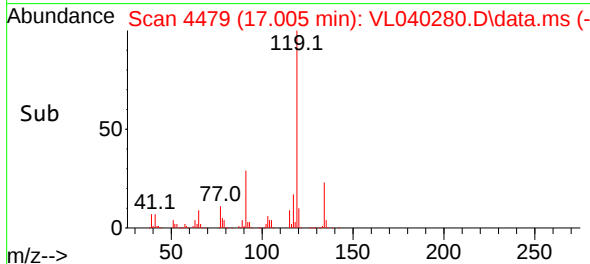
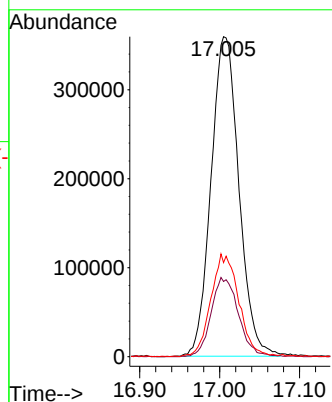
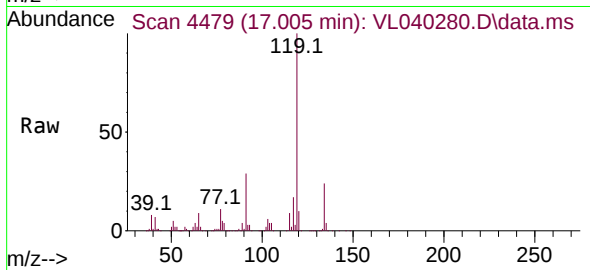




#69
 p-Isopropyltoluene
 Concen: 2.297 ppbv
 RT: 17.005 min Scan# 4480
 Delta R.T. -0.003 min
 Lab File: VL040280.D
 Acq: 15 Mar 2023 12:16

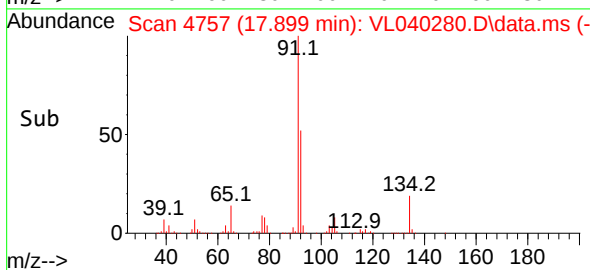
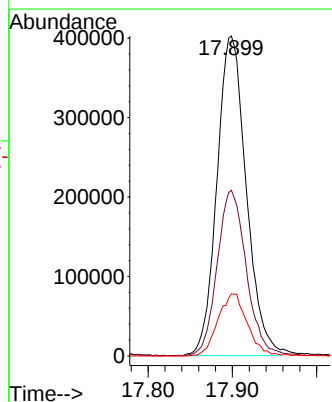
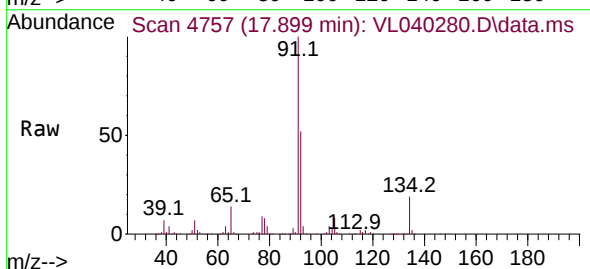
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

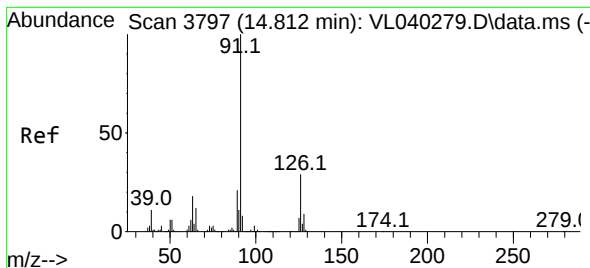
Tgt Ion:119 Resp: 869894
 Ion Ratio Lower Upper
 119 100
 134 24.4 20.2 30.2
 91 32.7 25.1 37.7



#70
 n-Butylbenzene
 Concen: 2.323 ppbv
 RT: 17.899 min Scan# 4757
 Delta R.T. 0.000 min
 Lab File: VL040280.D
 Acq: 15 Mar 2023 12:16

Tgt Ion: 91 Resp: 969261
 Ion Ratio Lower Upper
 91 100
 92 51.8 42.9 64.3
 134 19.7 16.8 25.2





#71

2-Chlorotoluene

Concen: 2.231 ppbv

RT: 14.809 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Instrument :

MSVOA_L

ClientSampleId :

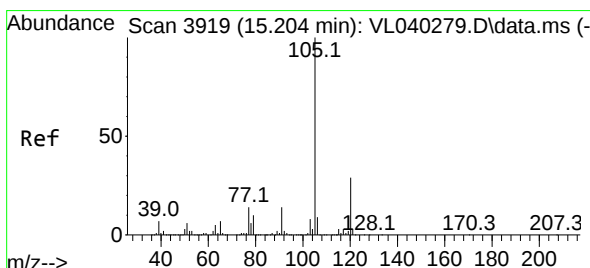
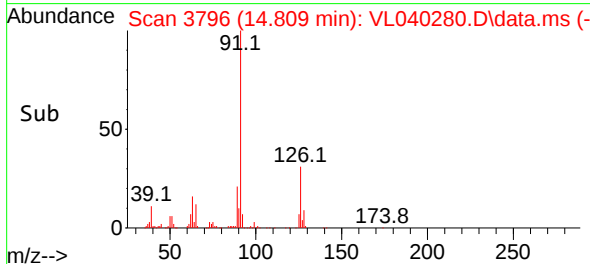
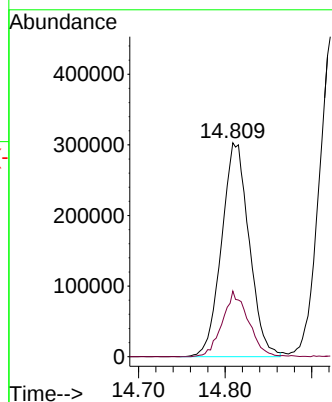
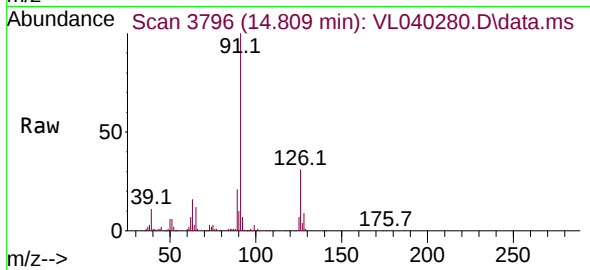
VSTDIC002

Tgt Ion: 91 Resp: 669893

Ion Ratio Lower Upper

91 100

126 29.1 11.8 47.4



#72

4-Ethyltoluene

Concen: 2.246 ppbv

RT: 15.204 min Scan# 3919

Delta R.T. 0.000 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Tgt Ion: 105 Resp: 680219

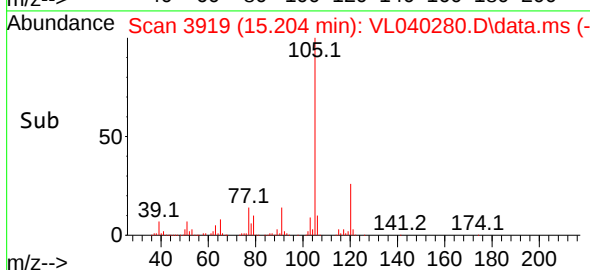
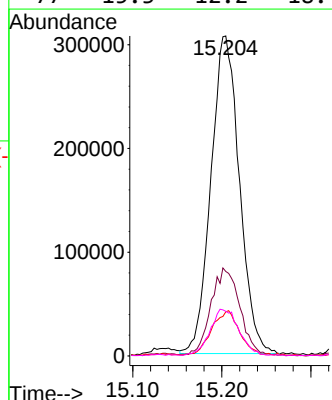
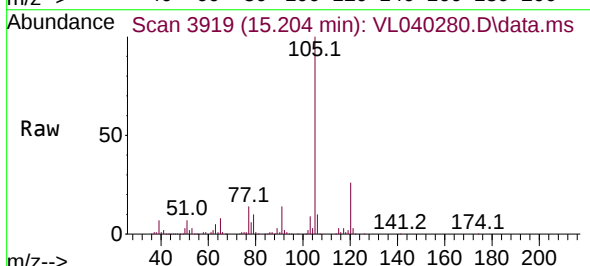
Ion Ratio Lower Upper

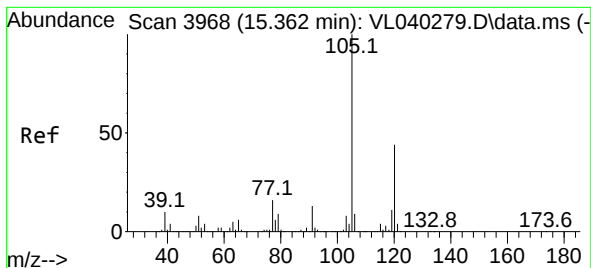
105 100

120 28.2 23.7 35.5

91 14.0 11.6 17.4

77 15.3 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 2.234 ppbv

RT: 15.362 min Scan# 3968

Delta R.T. 0.000 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Instrument :

MSVOA_L

ClientSampleId :

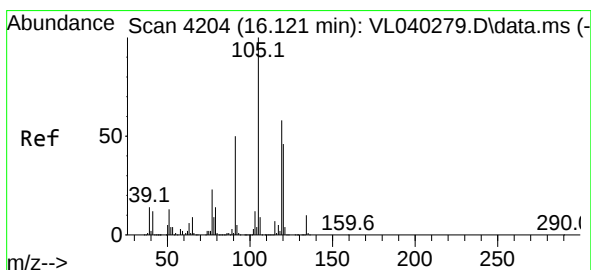
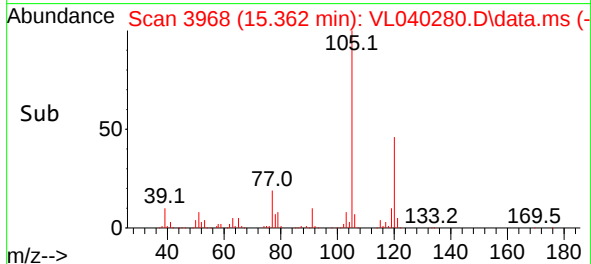
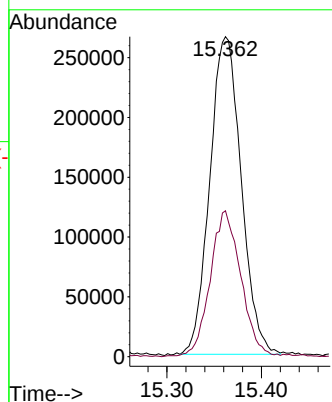
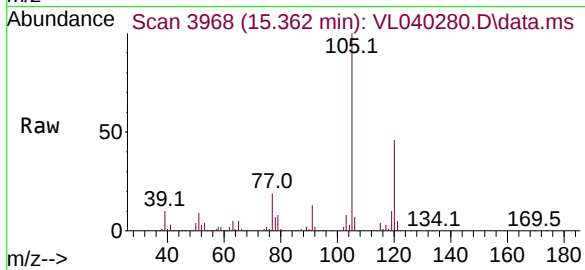
VSTDIC002

Tgt Ion:105 Resp: 613068

Ion Ratio Lower Upper

105 100

120 45.5 34.9 52.3



#74

1,2,4-Trimethylbenzene

Concen: 2.248 ppbv

RT: 16.118 min Scan# 4203

Delta R.T. -0.003 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Tgt Ion:105 Resp: 703336

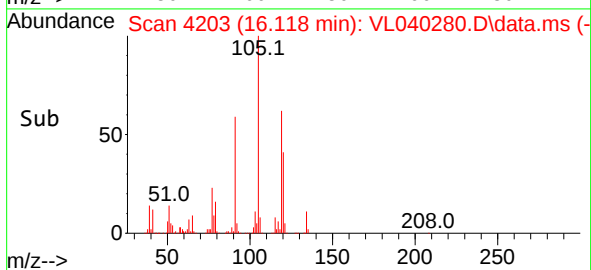
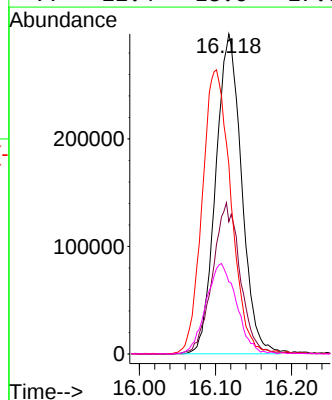
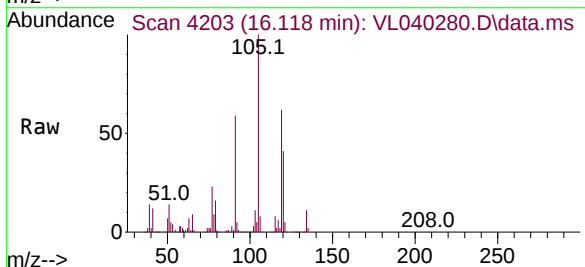
Ion Ratio Lower Upper

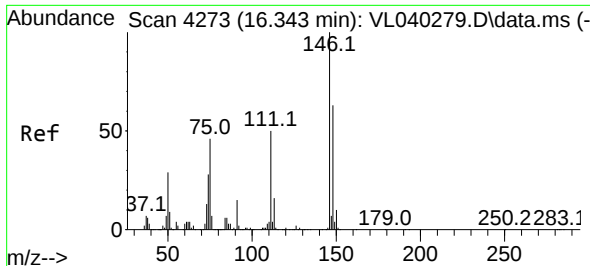
105 100

120 41.1 36.6 54.8

91 58.8 39.9 59.9

77 22.4 18.6 27.8

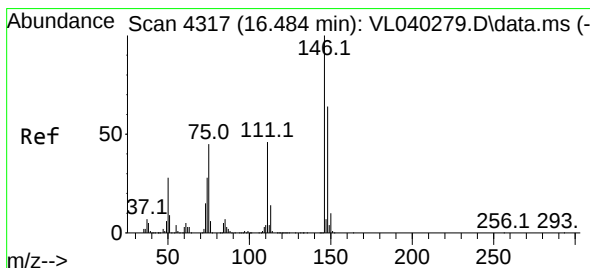
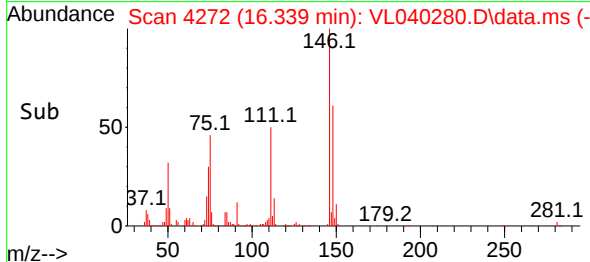
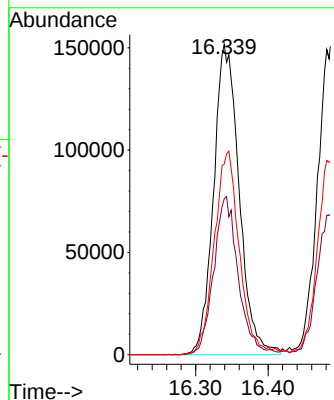
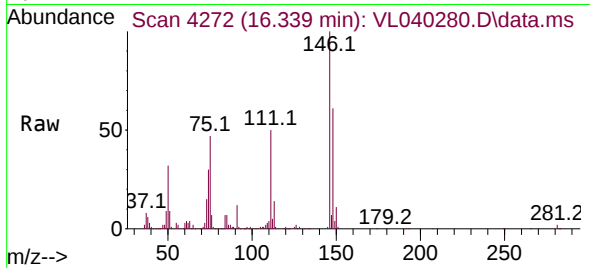




#75
1,3-Dichlorobenzene
Concen: 2.193 ppbv
RT: 16.339 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

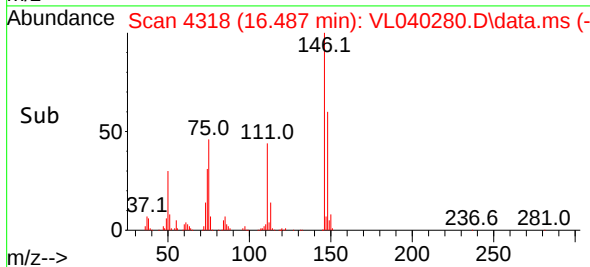
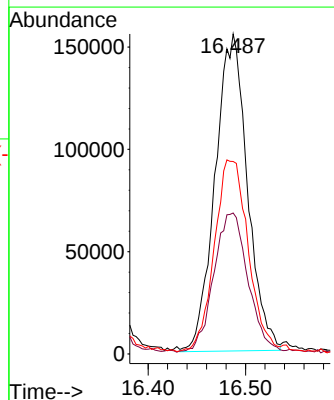
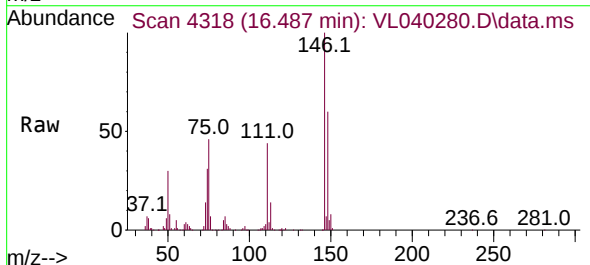
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC002

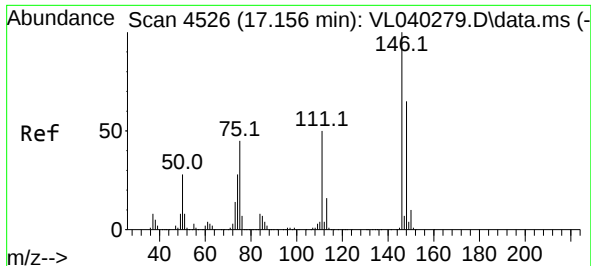
Tgt Ion:146 Resp: 371597
Ion Ratio Lower Upper
146 100
111 49.0 24.3 73.0
148 64.8 31.9 95.5



#76
1,4-Dichlorobenzene
Concen: 2.206 ppbv
RT: 16.487 min Scan# 4318
Delta R.T. 0.003 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Tgt Ion:146 Resp: 356501
Ion Ratio Lower Upper
146 100
111 49.8 23.8 71.2
148 63.9 32.5 97.5

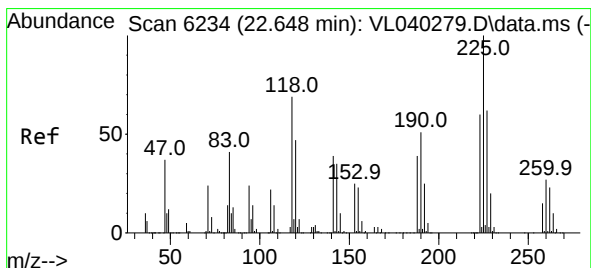
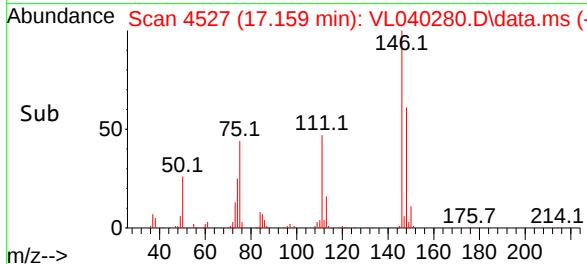
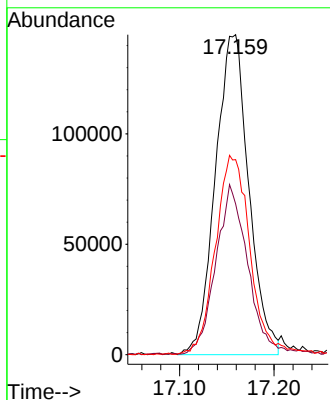
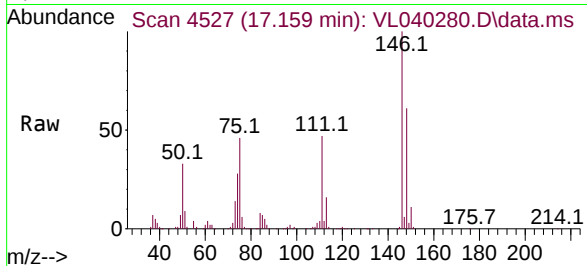




#77
1,2-Dichlorobenzene
Concen: 2.187 ppbv
RT: 17.159 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

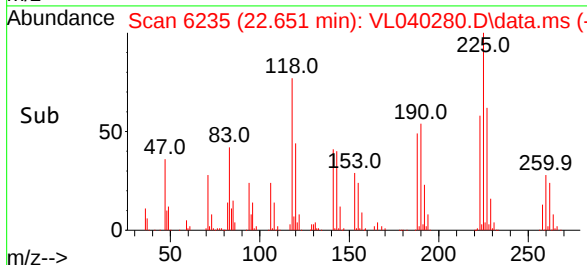
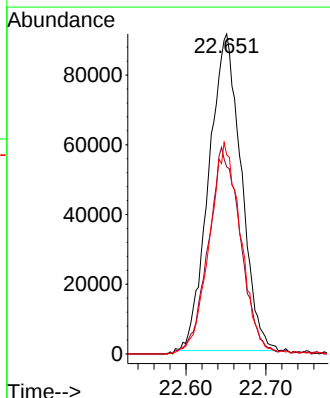
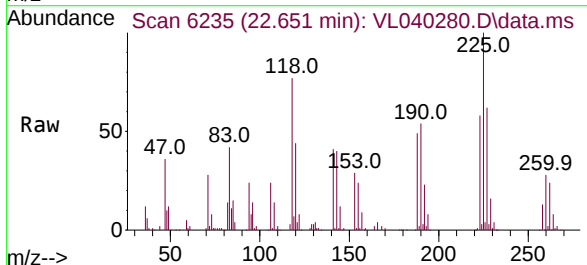
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

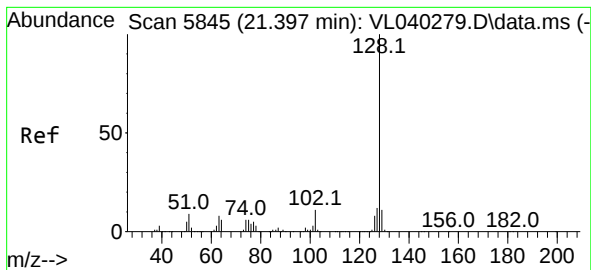
Tgt Ion:146 Resp: 356284
Ion Ratio Lower Upper
146 100
111 50.9 25.2 75.6
148 64.2 32.1 96.3



#78
Hexachloro-1,3-Butadiene
Concen: 2.136 ppbv
RT: 22.651 min Scan# 6235
Delta R.T. 0.003 min
Lab File: VL040280.D
Acq: 15 Mar 2023 12:16

Tgt Ion:225 Resp: 255231
Ion Ratio Lower Upper
225 100
223 65.7 51.0 76.6
227 65.3 51.4 77.2





#79

Naphthalene

Concen: 2.562 ppbv

RT: 21.400 min Scan# 5846

Delta R.T. 0.003 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

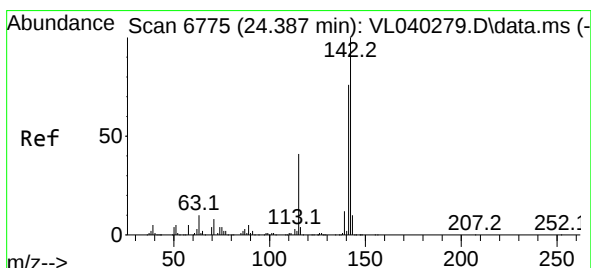
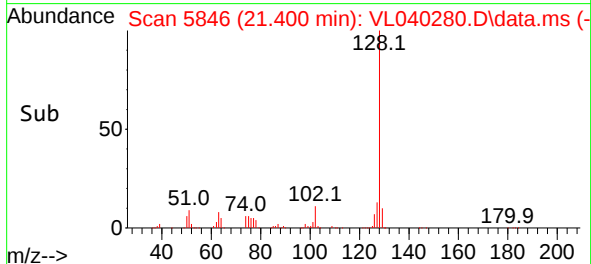
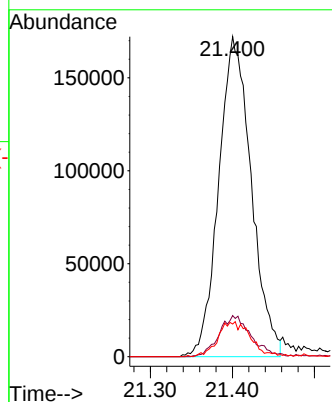
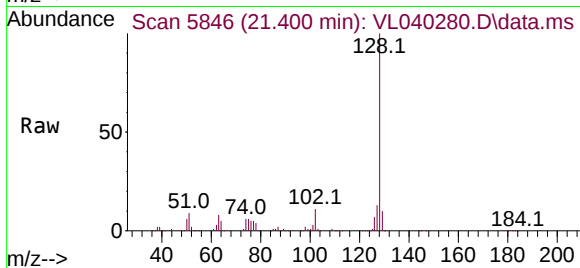
Tgt Ion:128 Resp: 474186

Ion Ratio Lower Upper

128 100

127 12.8 9.6 14.4

129 10.2 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 2.098 ppbv

RT: 24.394 min Scan# 6777

Delta R.T. 0.006 min

Lab File: VL040280.D

Acq: 15 Mar 2023 12:16

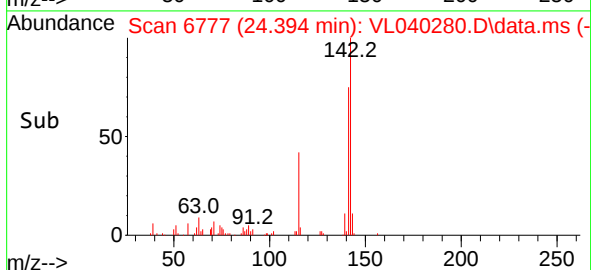
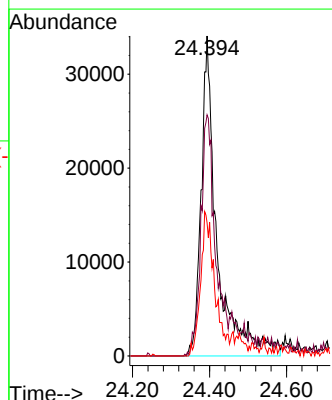
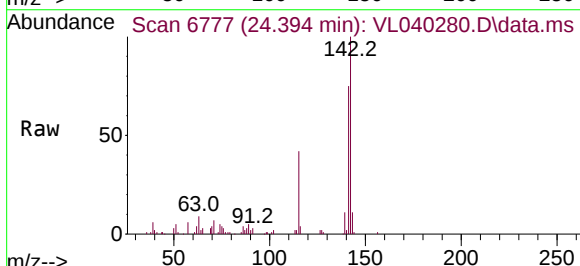
Tgt Ion:142 Resp: 98372

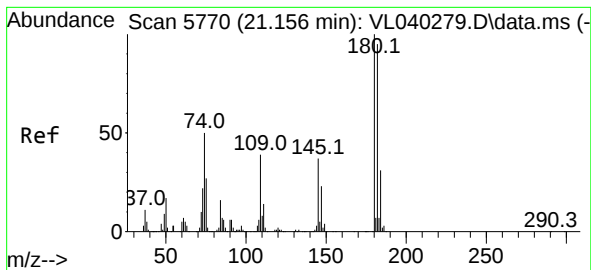
Ion Ratio Lower Upper

142 100

141 78.6 65.5 98.3

115 45.7 33.5 50.3





#81
 1,2,4-Trichlorobenzene
 Concen: 2.246 ppbv
 RT: 21.153 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL040280.D
 Acq: 15 Mar 2023 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:180 Resp: 256057
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.1 114.1
 184 30.8 24.4 36.6

