

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040022.D
 Acq On : 19 Dec 2022 10:53
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Dec 20 04:22:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:20:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.173	49	999166	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	2958751	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2677082	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	2045233	10.001	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.706	85	221468	1.184	ppbv	97
3) Chlorodifluoromethane	2.652	51	165815	1.125	ppbv	99
4) Chloromethane	2.790	50	105855	1.146	ppbv	90
5) Vinyl Chloride	2.896	62	87050	1.165	ppbv	94
6) Bromomethane	3.095	94	30539	1.112	ppbv	98
7) Chloroethane	3.173	64	29860	1.059	ppbv	99
8) Dichlorotetrafluoroethane	2.835	85	227292	1.155	ppbv	99
9) Propene	2.671	41	68787	1.100	ppbv	95
10) Heptane	7.561	43	164847	1.082	ppbv	97
11) Trichlorofluoromethane	3.542	101	223907	1.102	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.044	101	169031	1.098	ppbv	99
13) Ethanol	3.237	45	8597	1.627	ppbv	79
14) Bromoethene	3.343	108	65960	1.138	ppbv	98
15) Acetone	3.452	43	184433	1.193	ppbv	97
16) 1,3-Butadiene	2.964	39	69765	1.038	ppbv	91
17) tert-Butyl alcohol	3.867	59	174478	1.153	ppbv	99
18) 1,1-Dichloroethene	3.857	96	71628	1.069	ppbv	97
19) Isopropyl Alcohol	3.565	45	86106	1.130	ppbv	# 94
20) Methylene Chloride	3.912	84	72915	1.110	ppbv	99
21) Allyl Chloride	3.973	41	98710	1.063	ppbv	96
22) trans-1,2-Dichloroethene	4.427	96	72110	1.080	ppbv	91
23) Vinyl Acetate	4.607	43	48844	0.996	ppbv	# 97
24) 1,1-Dichloroethane	4.542	63	157805	1.097	ppbv	97
25) Ethyl Acetate	5.189	43	299142	1.118	ppbv	99
26) Hexane	5.192	57	124363	1.105	ppbv	94
27) Carbon Disulfide	4.105	76	138701	0.977	ppbv	# 93
28) Methyl tert-Butyl Ether	4.574	73	143167	1.080	ppbv	99
29) Chloroform	5.253	83	185526	1.081	ppbv	99
30) Cyclohexane	6.578	84	109414	1.098	ppbv	98
31) cis-1,2-Dichloroethene	5.060	61	115285	1.076	ppbv	96
32) 1,1,1-Trichloroethane	5.983	97	204816	1.111	ppbv	96
34) 2-Butanone	4.774	43	172142	1.102	ppbv	99
35) Carbon Tetrachloride	6.475	117	205478	1.116	ppbv	96
36) Benzene	6.353	78	294756	1.115	ppbv	99
37) 1,2-Dichloroethane	5.787	62	170508	1.100	ppbv	98
38) Trichloroethene	7.272	130	159163	1.166	ppbv	95
39) 1,2-Dichloropropane	7.057	63	106942	1.080	ppbv	95
40) 1,4-Dioxane	7.285	88	17713	0.394	ppbv	# 1
41) Tetrahydrofuran	5.552	42	107951	1.113	ppbv	99
42) Bromodichloromethane	7.230	83	221592	1.045	ppbv	93
43) Methyl Methacrylate	7.459	69	102328	1.032	ppbv	90
44) 2,2,4-Trimethylpentane	7.307	57	481844	1.108	ppbv	99
45) t-1,3-Dichloropropene	8.693	75	73735	0.880	ppbv	90

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 ClientSampleId :
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Quant Time: Dec 20 04:22:08 2022
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:20:10 2022
 Response via : Initial Calibration

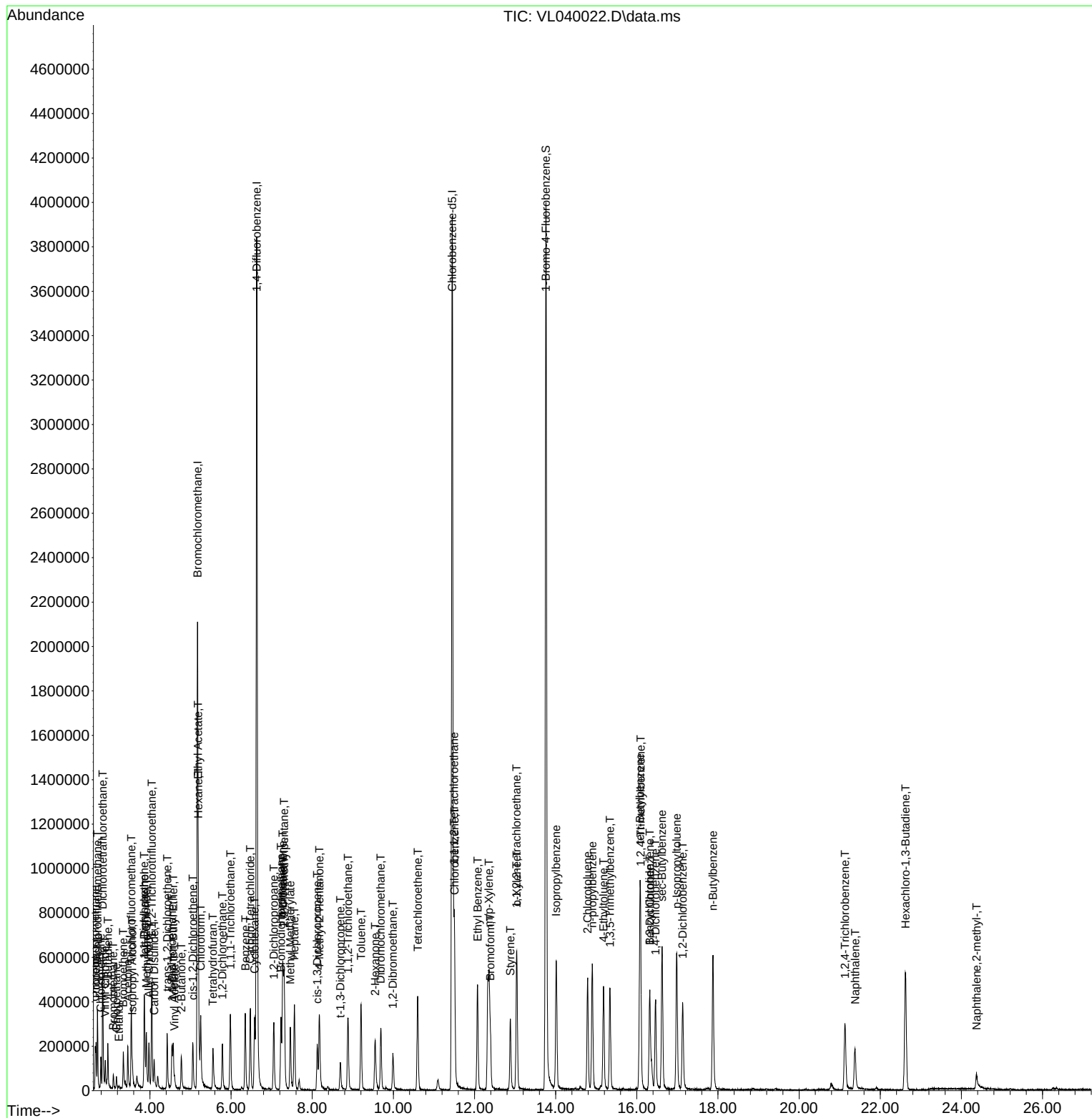
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	115185	0.974	ppbv	91
47) 1,1,2-Trichloroethane	8.883	97	114630	1.058	ppbv	91
48) Dibromochloromethane	9.690	129	89784	0.544	ppbv #	23
49) Bromoform	12.391	173	123182	0.979	ppbv	98
50) 4-Methyl-2-Pentanone	8.176	43	285726	1.090	ppbv	100
51) 2-Hexanone	9.552	43	216088	1.063	ppbv #	99
52) Tetrachloroethene	10.600	164	94451	1.044	ppbv	95
53) Toluene	9.204	91	317164	1.084	ppbv	100
54) 1,2-Dibromoethane	9.989	107	130839	1.128	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.497	131	135301	1.095	ppbv #	1
57) Chlorobenzene	11.510	112	257290	1.132	ppbv #	95
58) Ethyl Benzene	12.076	91	411009	1.081	ppbv	95
59) m/p-Xylene	12.352	91	382371	1.154	ppbv #	38
60) o-Xylene	13.040	91	359480	1.133	ppbv	97
61) Styrene	12.886	104	176945	1.046	ppbv	95
62) Isopropylbenzene	14.015	105	517518	1.131	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	138859	1.189	ppbv	99
64) n-propylbenzene	14.908	120	50129	0.435	ppbv #	1
65) tert-Butylbenzene	16.079	119	453187	1.140	ppbv	96
66) Benzyl Chloride	16.320	91	6611	0.320	ppbv #	35
67) sec-Butylbenzene	16.622	105	641825	1.152	ppbv	98
69) p-Isopropyltoluene	16.982	119	509823	1.145	ppbv	98
70) n-Butylbenzene	17.876	91	526011	1.131	ppbv	98
71) 2-Chlorotoluene	14.789	91	396688	1.136	ppbv	98
72) 4-Ethyltoluene	15.179	105	392567	1.114	ppbv	99
73) 1,3,5-Trimethylbenzene	15.343	105	357512	1.121	ppbv	97
74) 1,2,4-Trimethylbenzene	16.095	105	391213	1.116	ppbv	95
75) 1,3-Dichlorobenzene	16.320	146	214261	1.120	ppbv	98
76) 1,4-Dichlorobenzene	16.465	146	111461	0.590	ppbv #	25
77) 1,2-Dichlorobenzene	17.130	146	205893	1.119	ppbv	98
78) Hexachloro-1,3-Butadiene	22.622	225	98564	0.775	ppbv #	100
79) Naphthalene	21.381	128	231494	1.112	ppbv	97
80) Naphthalene,2-methyl-	24.374	142	65215	1.092	ppbv	84
81) 1,2,4-Trichlorobenzene	21.130	180	124305	1.008	ppbv	90

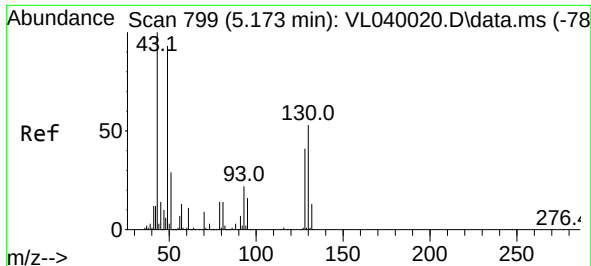
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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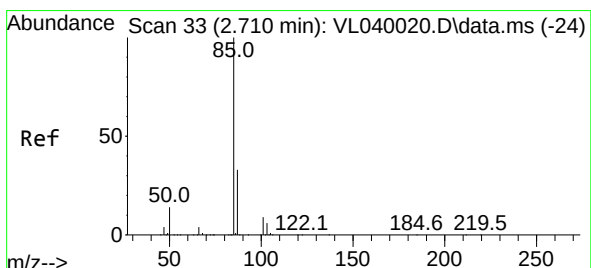
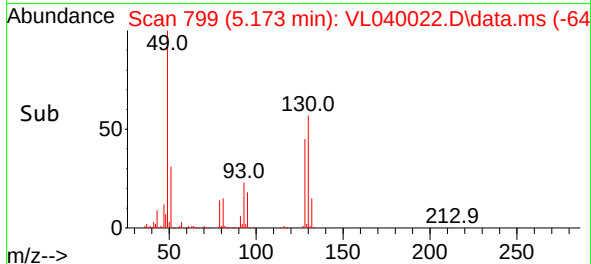
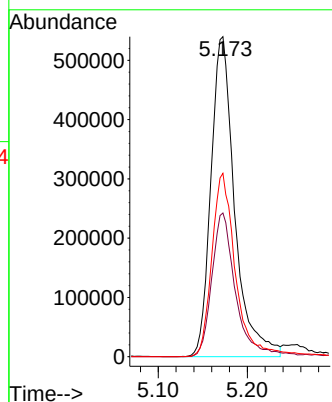
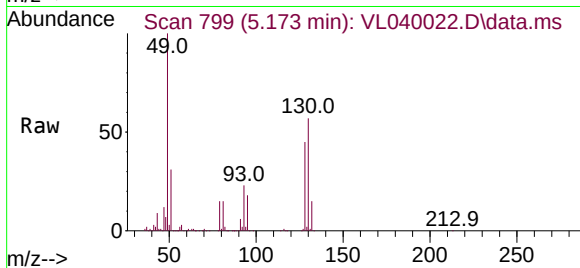




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.173 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VL040022.D
 Acq: 19 Dec 2022 10:53

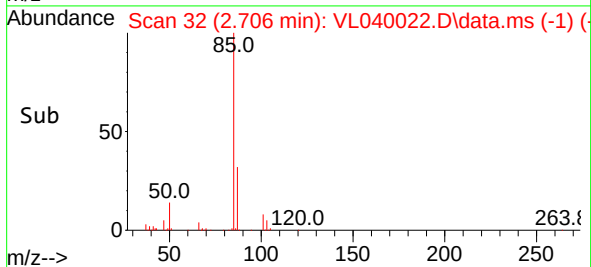
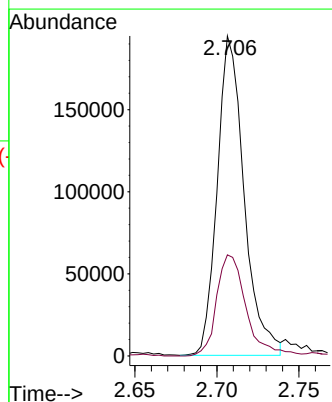
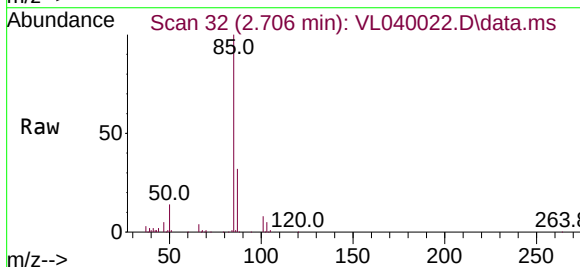
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

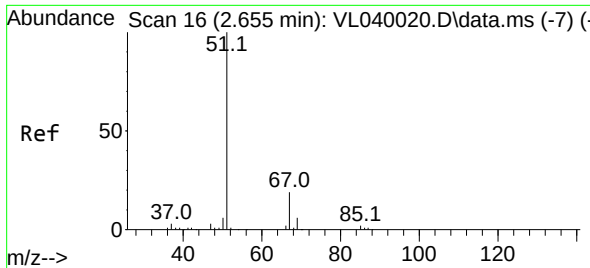
Tgt Ion: 49 Resp: 999166
 Ion Ratio Lower Upper
 49 100
 128 45.7 22.4 67.3
 130 58.8 28.9 86.8



#2
 Dichlorodifluoromethane
 Concen: 1.184 ppbv
 RT: 2.706 min Scan# 32
 Delta R.T. -0.003 min
 Lab File: VL040022.D
 Acq: 19 Dec 2022 10:53

Tgt Ion: 85 Resp: 221468
 Ion Ratio Lower Upper
 85 100
 87 31.7 26.6 40.0

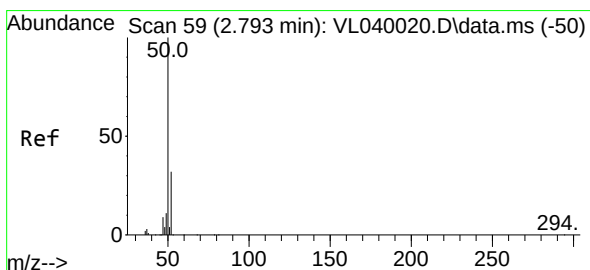
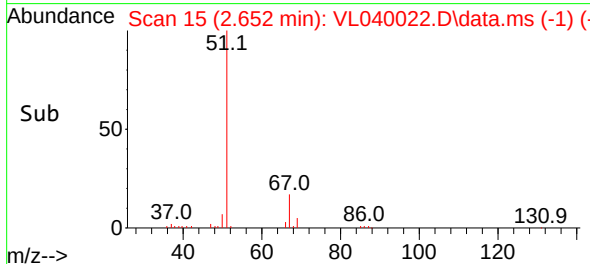
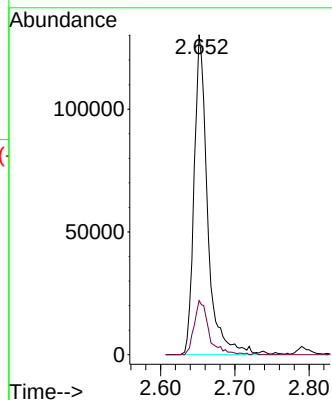
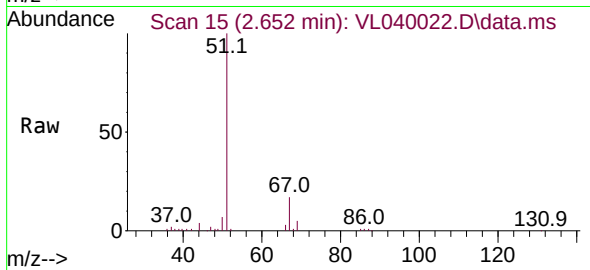




#3
Chlorodifluoromethane
Concen: 1.125 ppbv
RT: 2.652 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

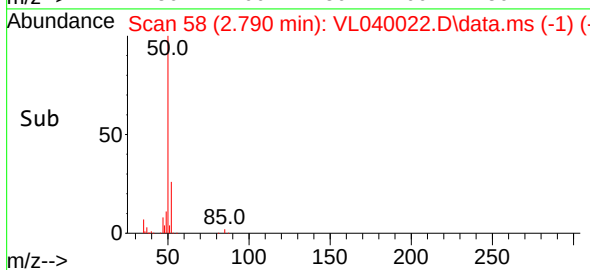
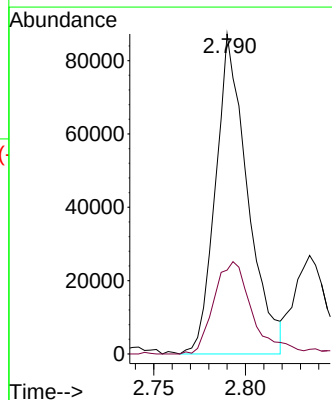
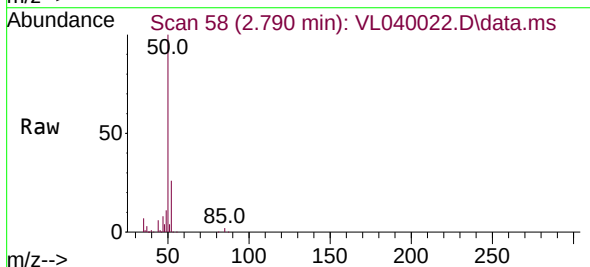
Instrument :
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ClientSampleId :
VSTDIC001

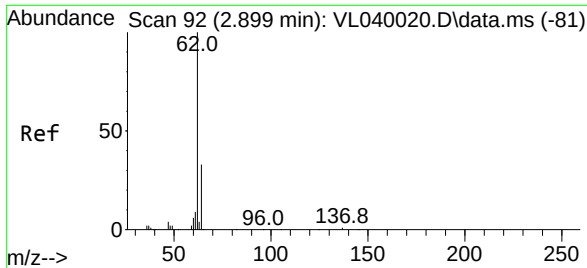
Tgt Ion: 51 Resp: 165815
Ion Ratio Lower Upper
51 100
67 18.5 15.3 22.9



#4
Chloromethane
Concen: 1.146 ppbv
RT: 2.790 min Scan# 58
Delta R.T. -0.003 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion: 50 Resp: 105855
Ion Ratio Lower Upper
50 100
52 26.3 25.5 38.3

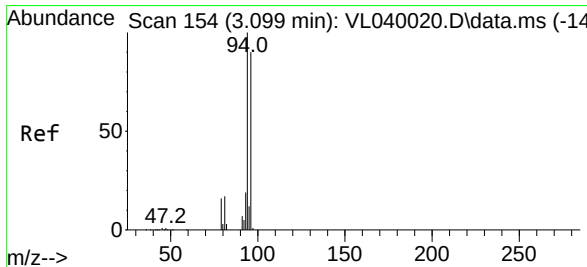
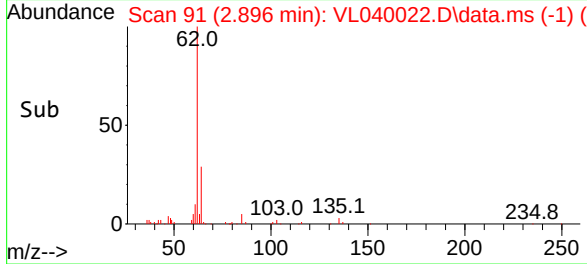
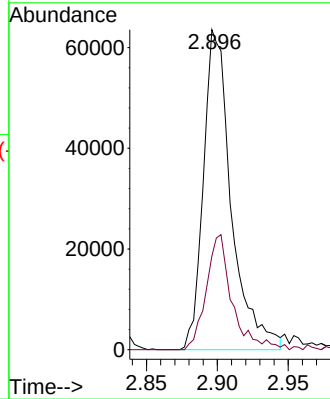
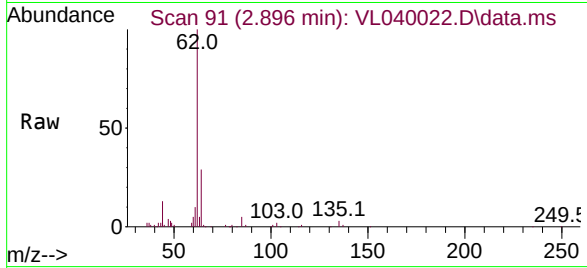




#5
 Vinyl Chloride
 Concen: 1.165 ppbv
 RT: 2.896 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VL040022.D
 Acq: 19 Dec 2022 10:53

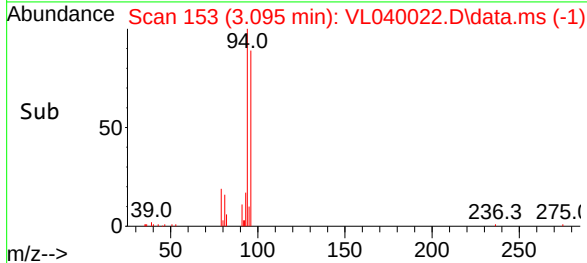
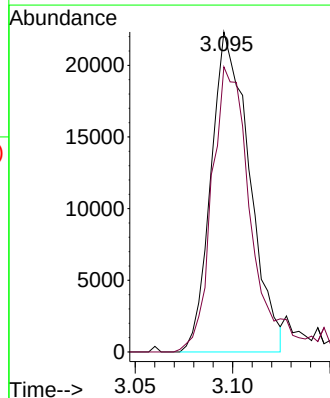
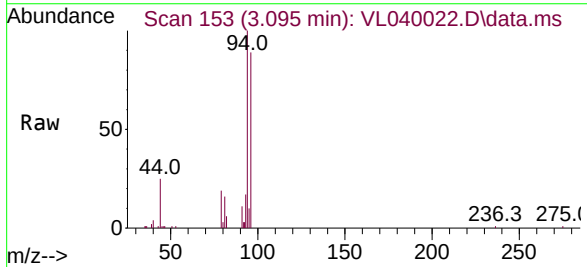
Instrument :
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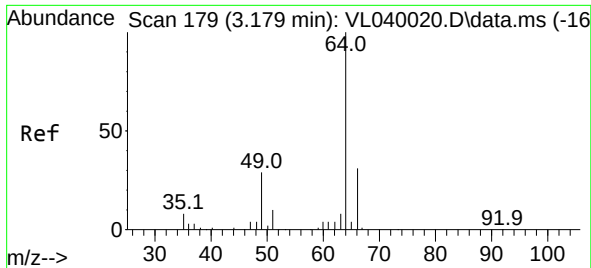
Tgt Ion: 62 Resp: 87050
 Ion Ratio Lower Upper
 62 100
 64 29.3 26.1 39.1



#6
 Bromomethane
 Concen: 1.112 ppbv
 RT: 3.095 min Scan# 153
 Delta R.T. -0.003 min
 Lab File: VL040022.D
 Acq: 19 Dec 2022 10:53

Tgt Ion: 94 Resp: 30539
 Ion Ratio Lower Upper
 94 100
 96 88.3 72.0 108.0

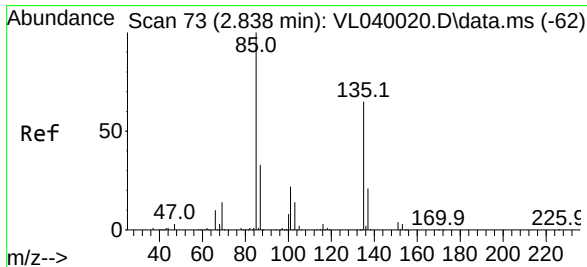
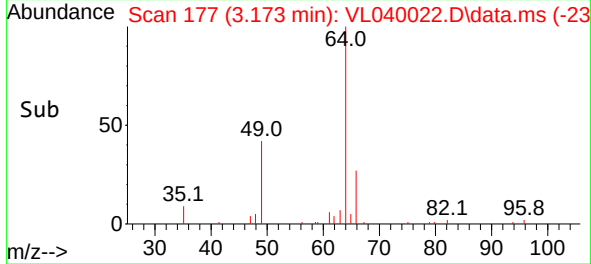
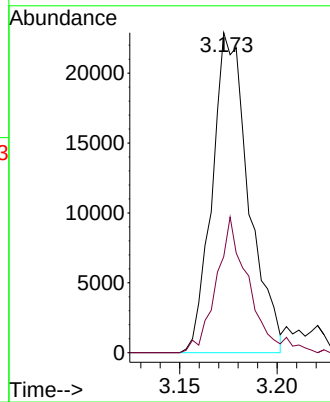
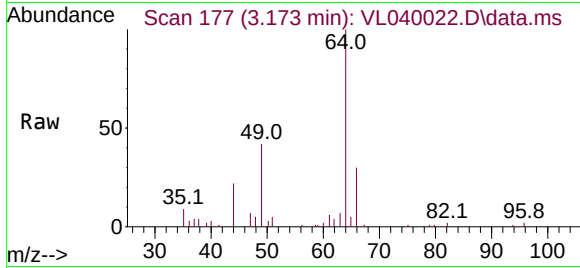




#7
Chloroethane
Concen: 1.059 ppbv
RT: 3.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

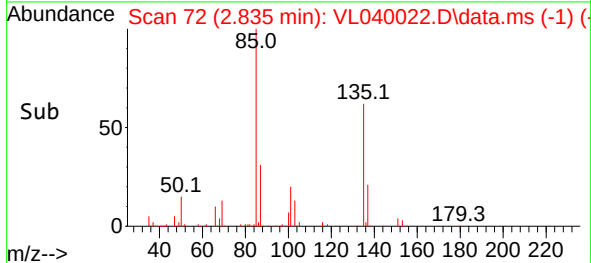
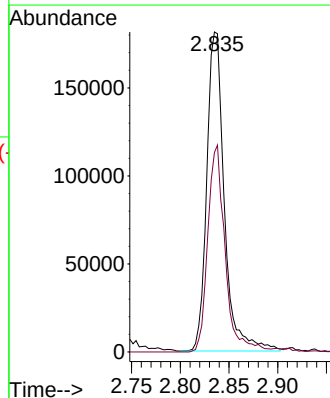
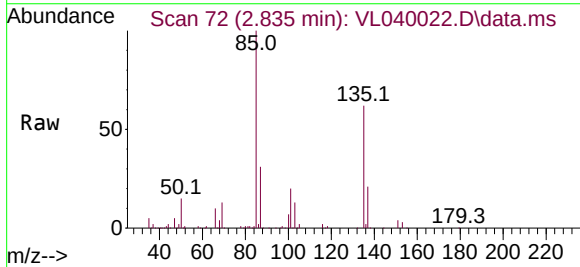
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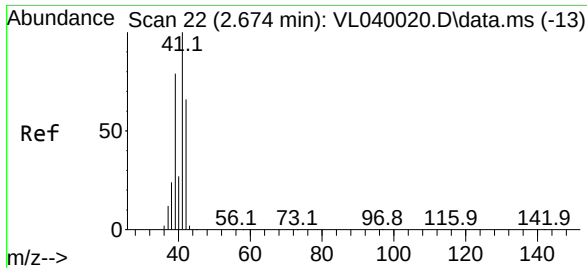
Tgt Ion: 64 Resp: 29860
Ion Ratio Lower Upper
64 100
66 30.0 24.6 37.0



#8
Dichlorotetrafluoroethane
Concen: 1.155 ppbv
RT: 2.835 min Scan# 72
Delta R.T. -0.003 min
Lab File: VL040022.D
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Tgt Ion: 85 Resp: 227292
Ion Ratio Lower Upper
85 100
135 65.5 53.2 79.8

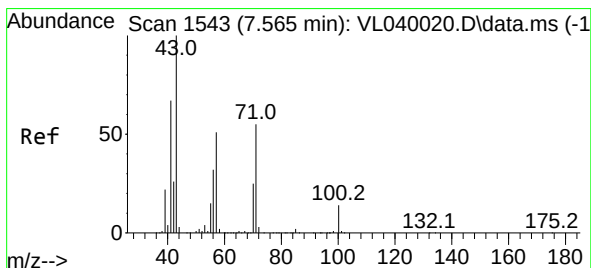
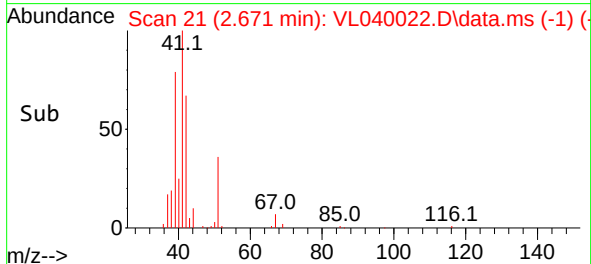
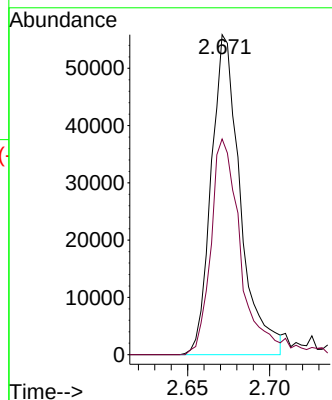
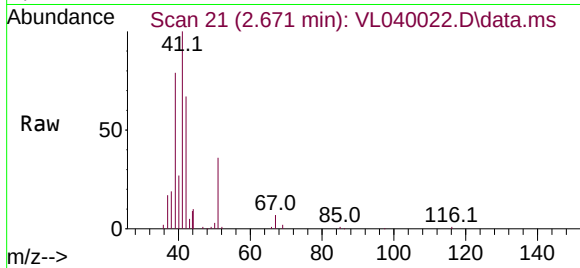




#9
 Propene
 Concen: 1.100 ppbv
 RT: 2.671 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VL040022.D
 Acq: 19 Dec 2022 10:53

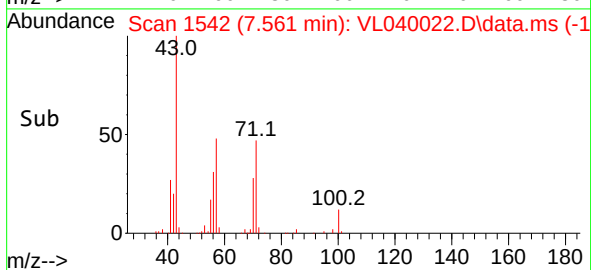
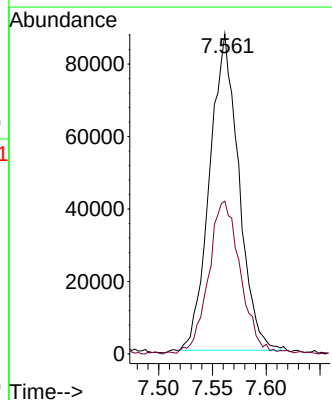
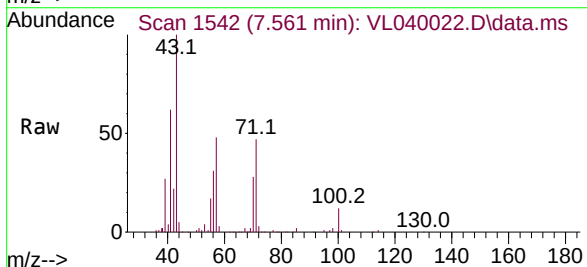
Instrument :
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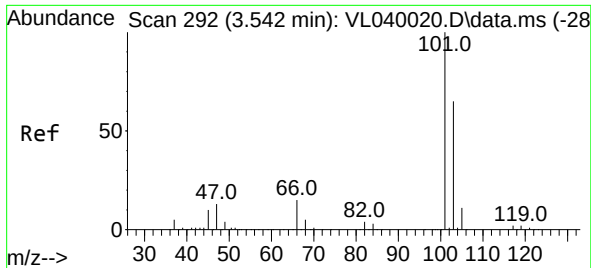
Tgt Ion: 41 Resp: 68787
 Ion Ratio Lower Upper
 41 100
 42 72.4 54.8 82.2



#10
 Heptane
 Concen: 1.082 ppbv
 RT: 7.561 min Scan# 1542
 Delta R.T. -0.003 min
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Tgt Ion: 43 Resp: 164847
 Ion Ratio Lower Upper
 43 100
 57 53.8 41.2 61.8

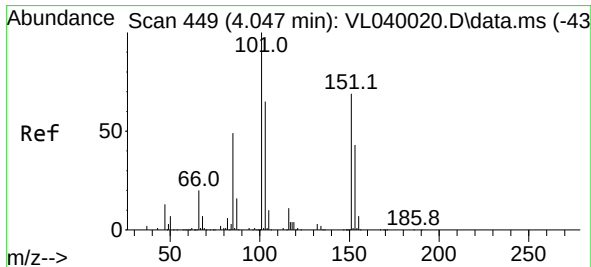
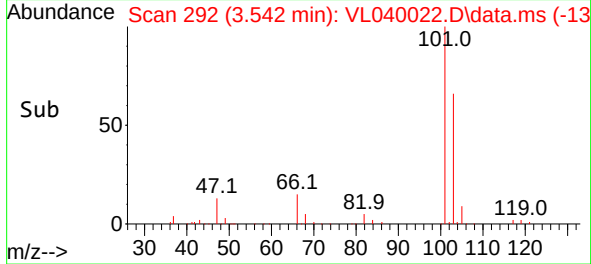
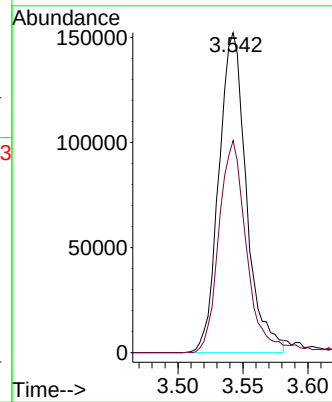
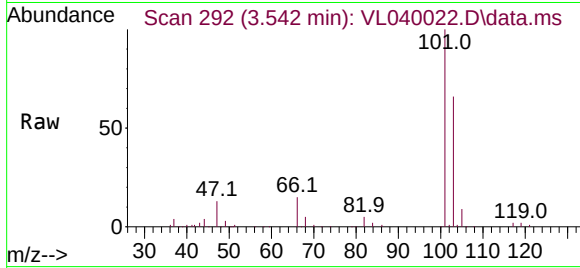




#11
 Trichlorofluoromethane
 Concen: 1.102 ppbv
 RT: 3.542 min Scan# 292
 Delta R.T. -0.000 min
 Lab File: VL040022.D
 Acq: 19 Dec 2022 10:53

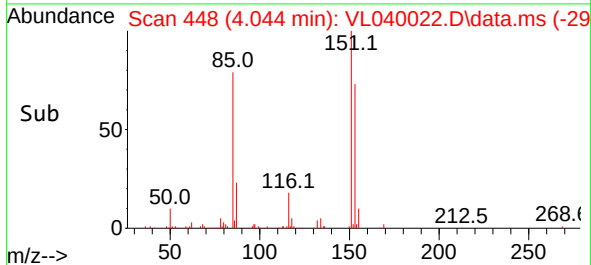
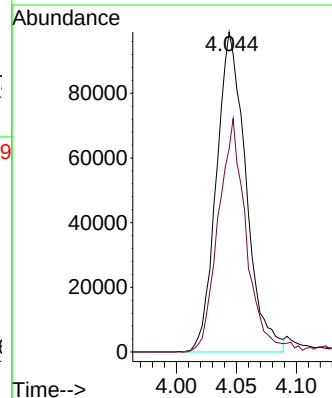
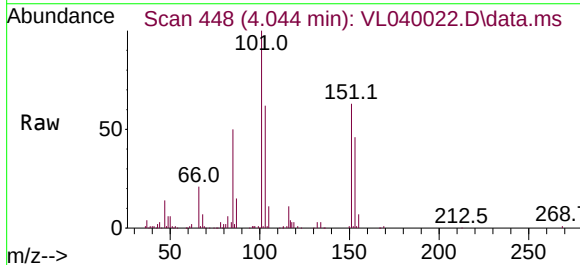
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

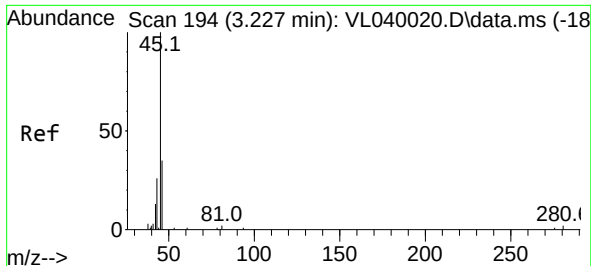
Tgt Ion:101 Resp: 223907
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.098 ppbv
 RT: 4.044 min Scan# 448
 Delta R.T. -0.003 min
 Lab File: VL040022.D
 Acq: 19 Dec 2022 10:53

Tgt Ion:101 Resp: 169031
 Ion Ratio Lower Upper
 101 100
 151 69.8 55.0 82.4

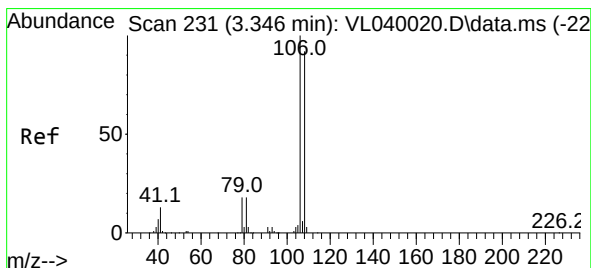
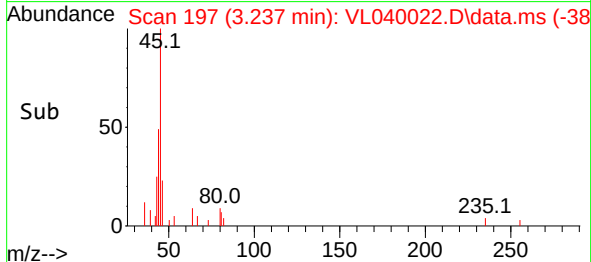
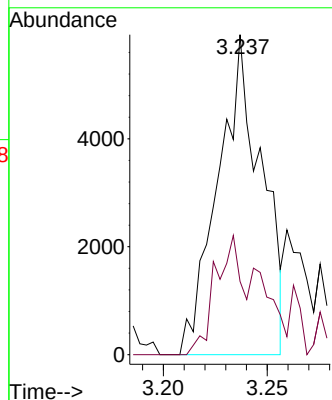
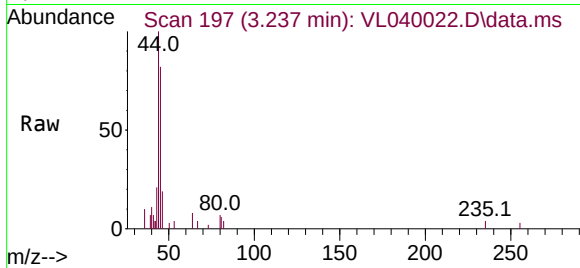




#13
Ethanol
Concen: 1.627 ppbv
RT: 3.237 min Scan# 194
Delta R.T. 0.010 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

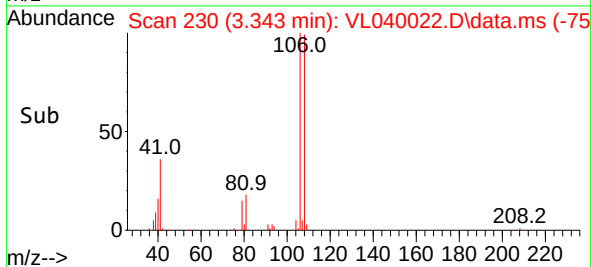
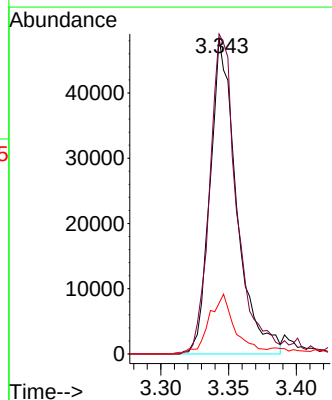
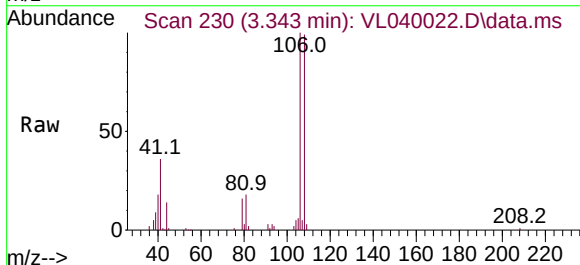
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

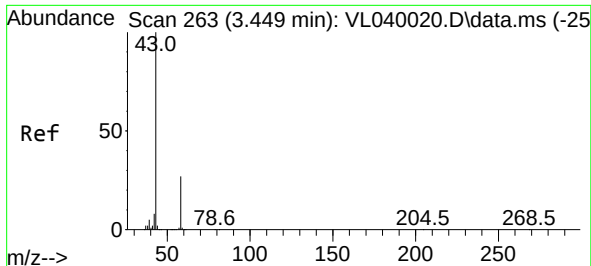
Tgt Ion: 45 Resp: 8597
Ion Ratio Lower Upper
45 100
46 46.2 13.7 54.7



#14
Bromoethene
Concen: 1.138 ppbv
RT: 3.343 min Scan# 230
Delta R.T. -0.003 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion: 108 Resp: 65960
Ion Ratio Lower Upper
108 100
106 108.2 87.5 131.3
79 21.4 15.8 23.8

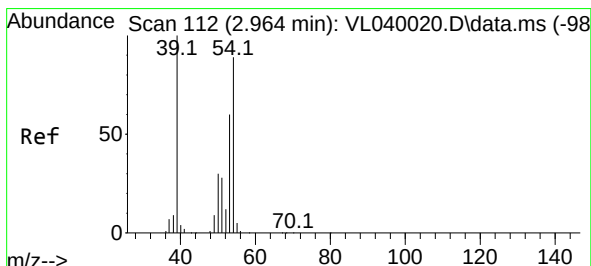
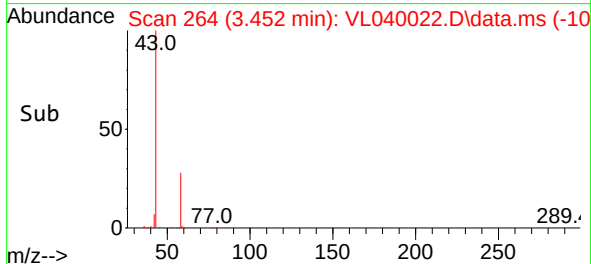
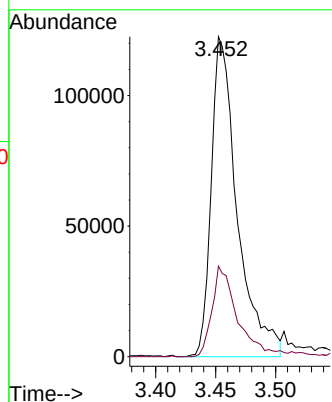
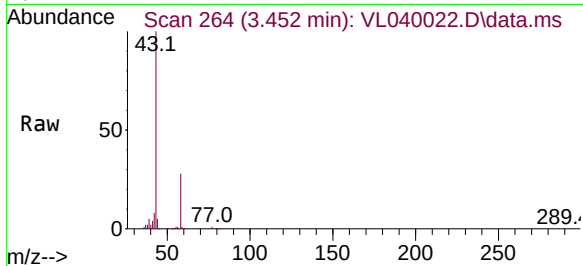




#15
Acetone
Concen: 1.193 ppbv
RT: 3.452 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

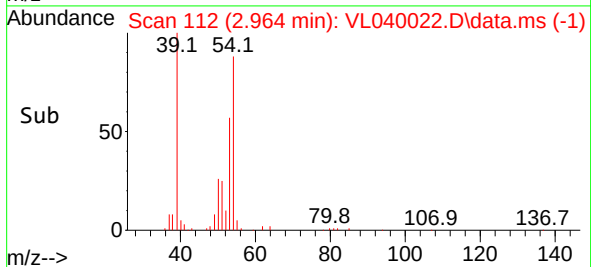
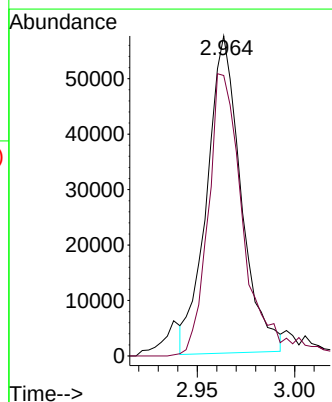
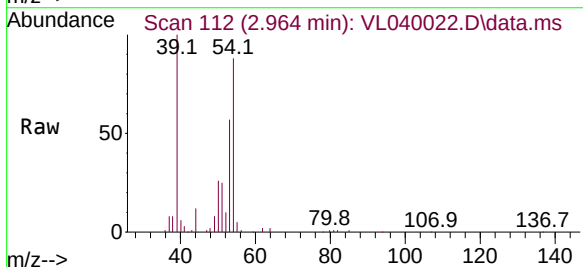
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

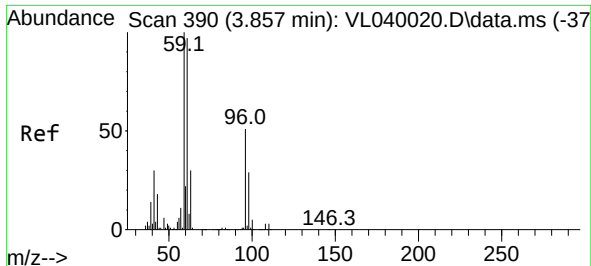
Tgt Ion: 43 Resp: 184433
Ion Ratio Lower Upper
43 100
58 28.8 21.8 32.8



#16
1,3-Butadiene
Concen: 1.038 ppbv
RT: 2.964 min Scan# 112
Delta R.T. -0.000 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion: 39 Resp: 69765
Ion Ratio Lower Upper
39 100
54 94.0 68.3 102.5





#17

tert-Butyl alcohol

Concen: 1.153 ppbv

RT: 3.867 min Scan# 390

Delta R.T. 0.010 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

Instrument :

MSVOA_L

ClientSampleId :

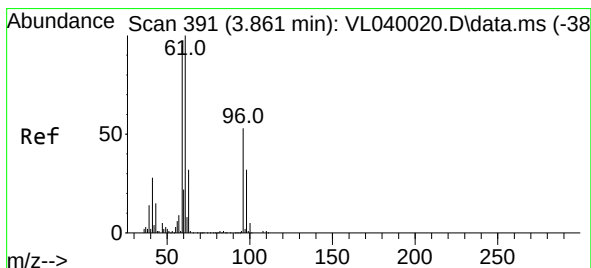
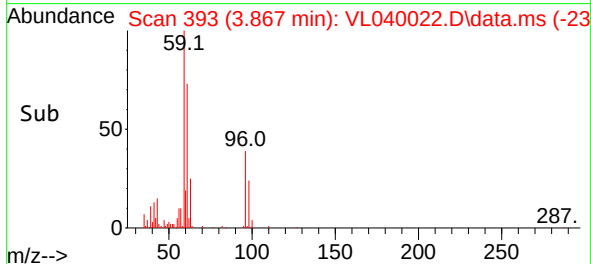
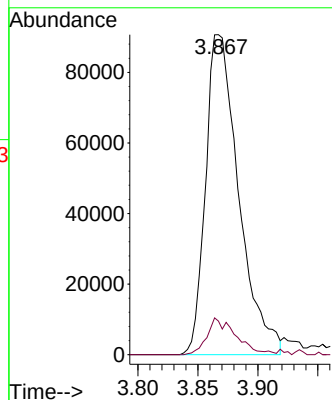
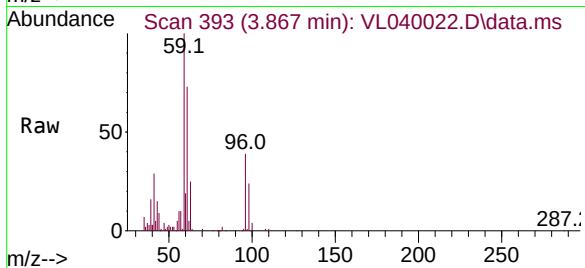
VSTDICC001

Tgt Ion: 59 Resp: 174478

Ion Ratio Lower Upper

59 100

57 10.1 8.4 12.6



#18

1,1-Dichloroethene

Concen: 1.069 ppbv

RT: 3.857 min Scan# 390

Delta R.T. -0.003 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

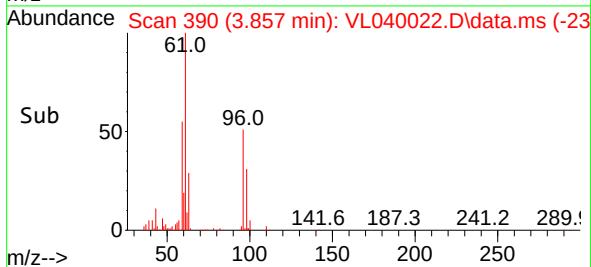
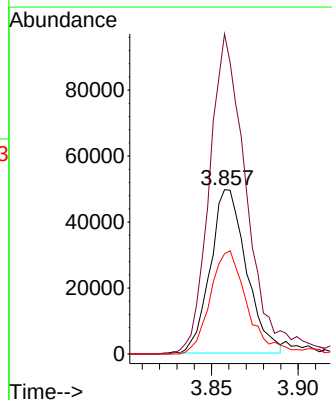
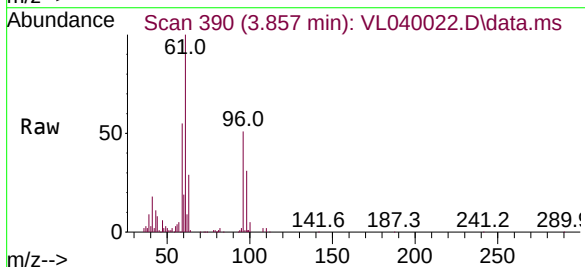
Tgt Ion: 96 Resp: 71628

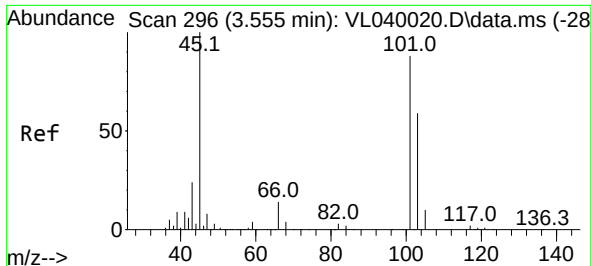
Ion Ratio Lower Upper

96 100

61 193.5 151.0 226.6

98 61.3 47.7 71.5





#19

Isopropyl Alcohol

Concen: 1.130 ppbv

RT: 3.565 min Scan# 296

Delta R.T. 0.010 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

Instrument :

MSVOA_L

ClientSampleId :

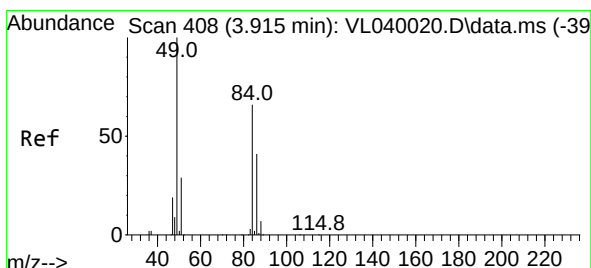
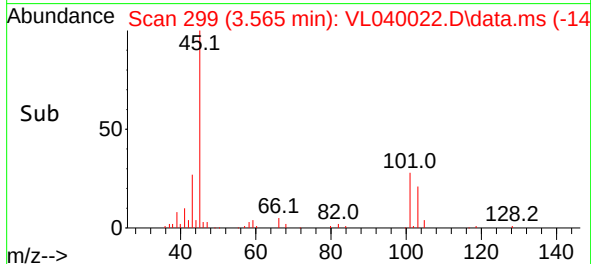
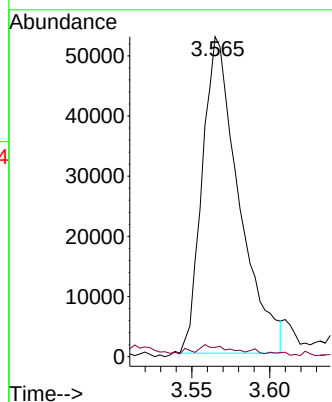
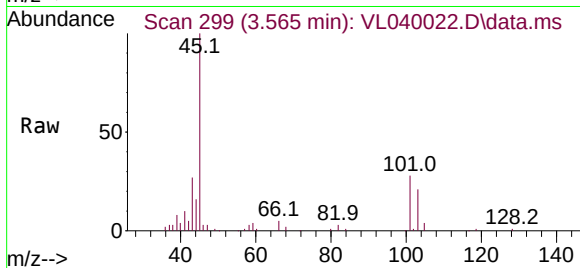
VSTDIC001

Tgt Ion: 45 Resp: 86106

Ion Ratio Lower Upper

45 100

58 4.4 1.7 2.5#



#20

Methylene Chloride

Concen: 1.110 ppbv

RT: 3.912 min Scan# 407

Delta R.T. -0.003 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

Tgt Ion: 84 Resp: 72915

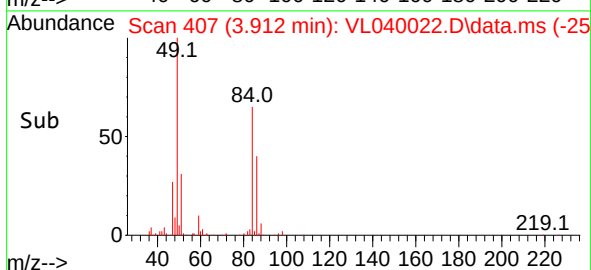
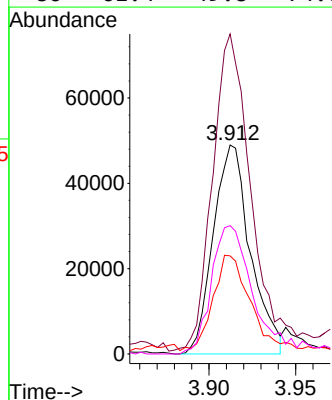
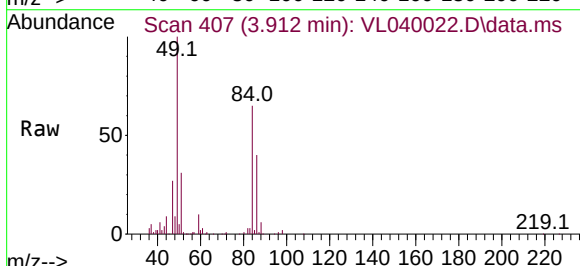
Ion Ratio Lower Upper

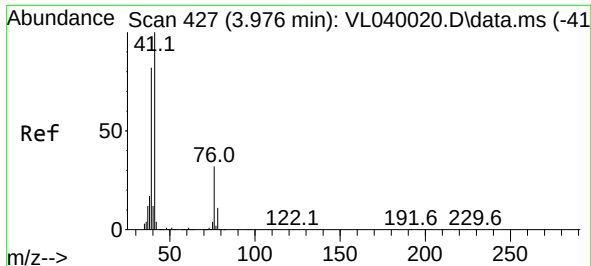
84 100

49 150.3 120.5 180.7

51 45.3 35.2 52.8

86 61.4 49.8 74.6





#21

Allyl Chloride

Concen: 1.063 ppbv

RT: 3.973 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

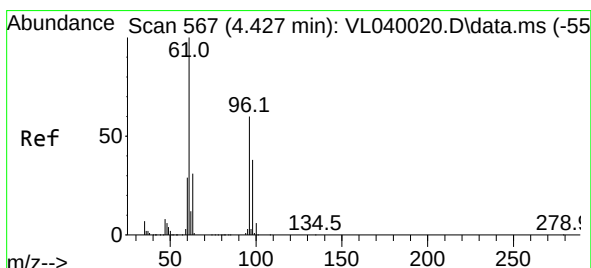
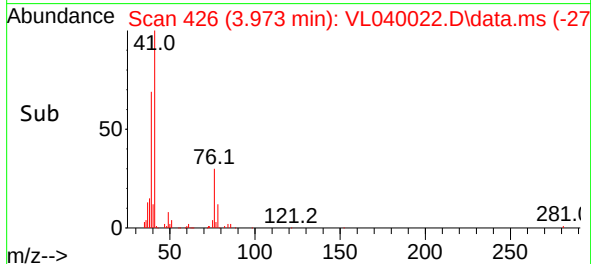
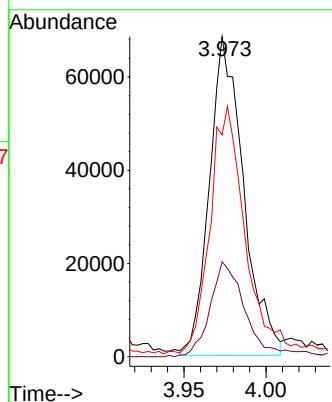
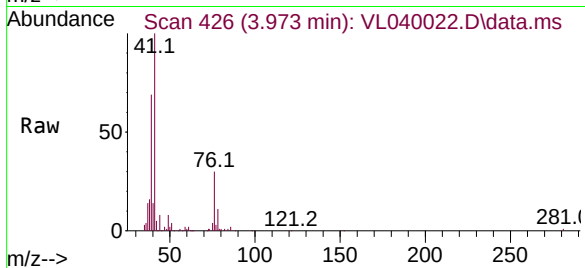
Tgt Ion: 41 Resp: 98710

Ion Ratio Lower Upper

41 100

76 31.3 25.9 38.9

39 86.6 66.0 99.0



#22

trans-1,2-Dichloroethene

Concen: 1.080 ppbv

RT: 4.427 min Scan# 567

Delta R.T. -0.000 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

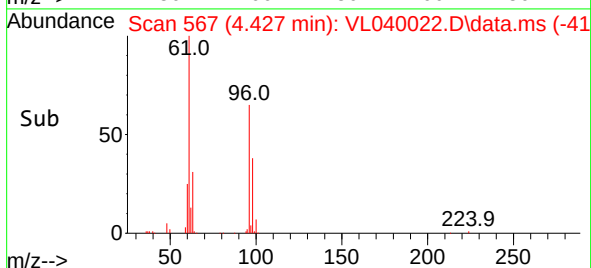
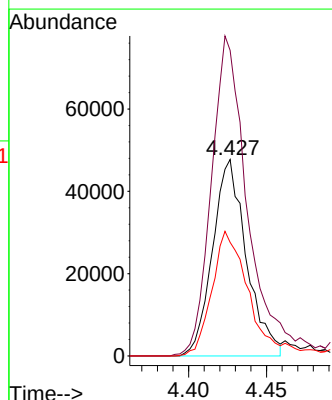
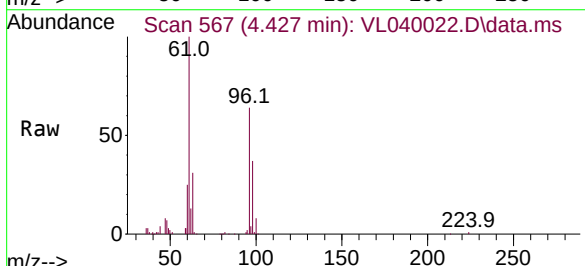
Tgt Ion: 96 Resp: 72110

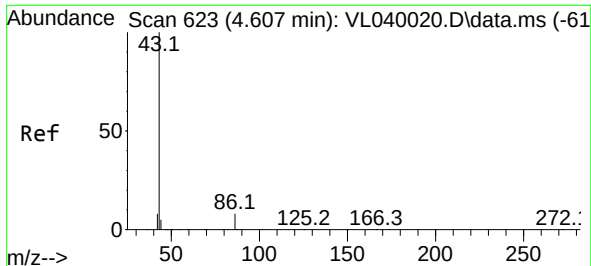
Ion Ratio Lower Upper

96 100

61 154.6 133.6 200.4

98 57.5 51.4 77.0



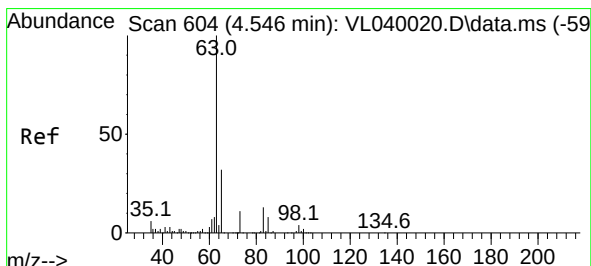
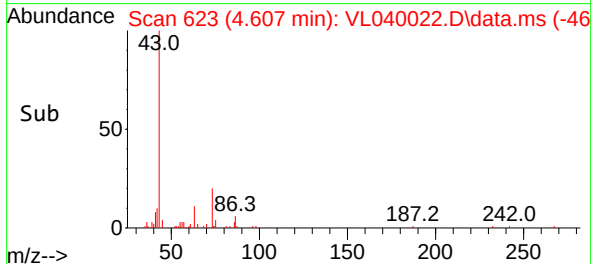
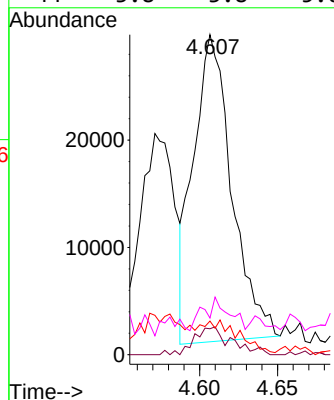
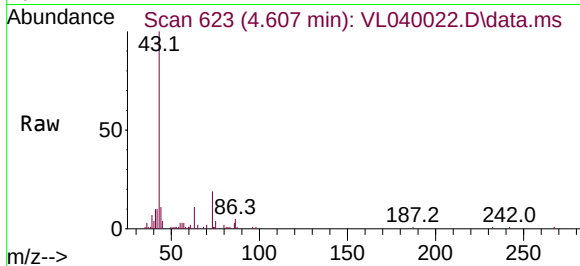


#23
 Vinyl Acetate
 Concen: 0.996 ppbv
 RT: 4.607 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL040022.D
 Acq: 19 Dec 2022 10:53

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

Tgt Ion: 43 Resp: 48844

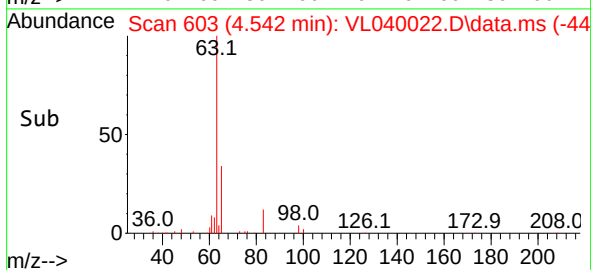
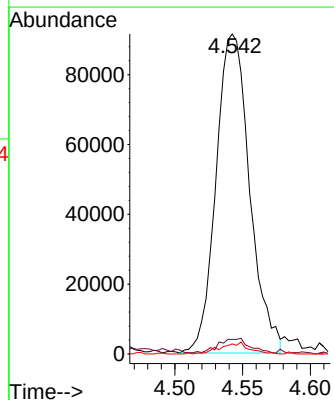
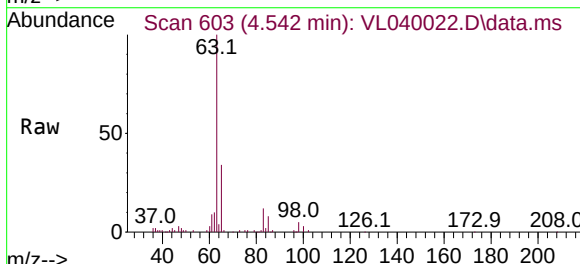
Ion	Ratio	Lower	Upper
43	100		
86	8.6	5.3	7.9#
42	9.3	7.4	11.0
44	3.8	3.8	5.6

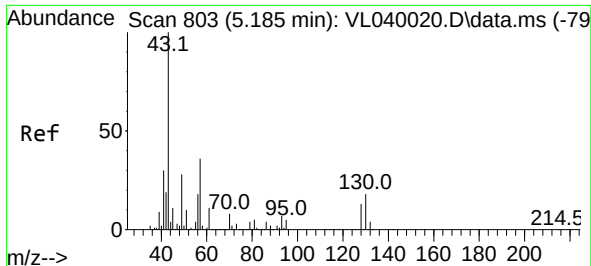


#24
 1,1-Dichloroethane
 Concen: 1.097 ppbv
 RT: 4.542 min Scan# 603
 Delta R.T. -0.003 min
 Lab File: VL040022.D
 Acq: 19 Dec 2022 10:53

Tgt Ion: 63 Resp: 157805

Ion	Ratio	Lower	Upper
63	100		
98	3.3	2.1	6.2
100	3.2	1.1	3.3

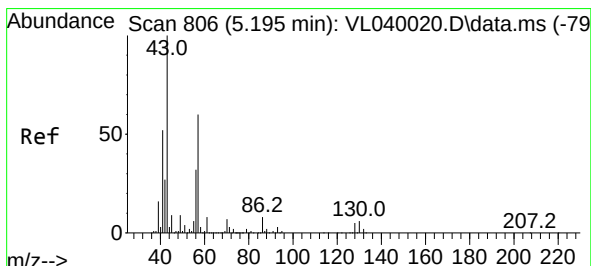
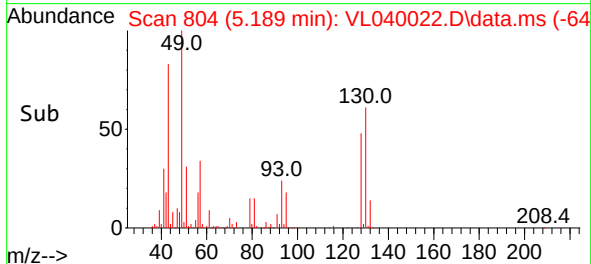
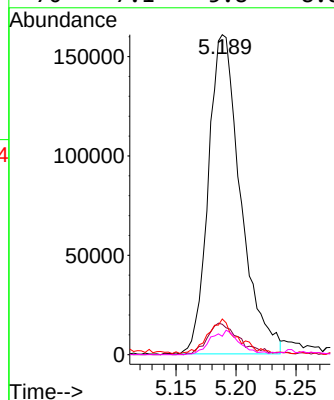
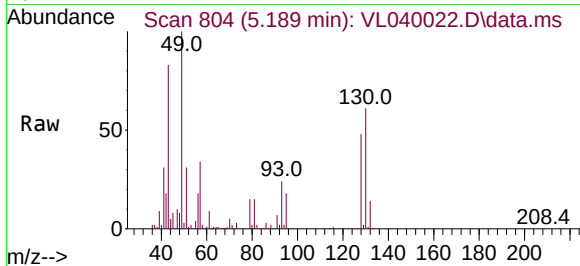




#25
Ethyl Acetate
Concen: 1.118 ppbv
RT: 5.189 min Scan# 804
Delta R.T. 0.003 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

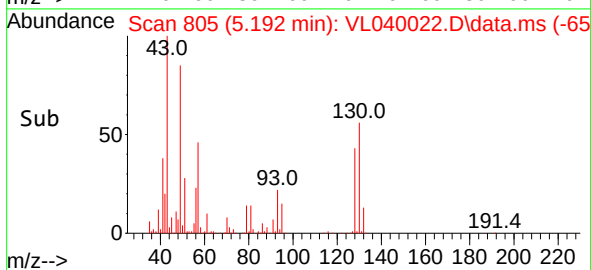
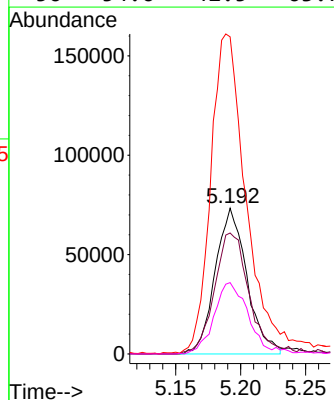
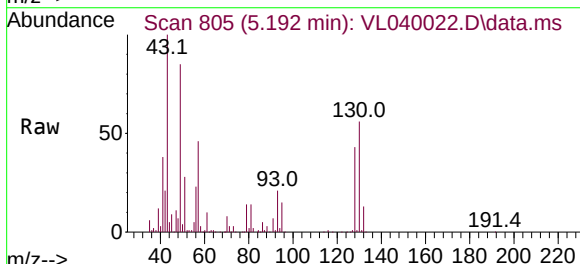
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

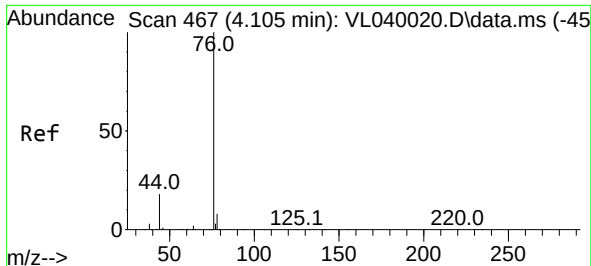
Tgt Ion: 43 Resp: 299142
Ion Ratio Lower Upper
43 100
45 10.7 8.6 12.8
61 9.9 8.5 12.7
70 7.1 5.8 8.8



#26
Hexane
Concen: 1.105 ppbv
RT: 5.192 min Scan# 805
Delta R.T. -0.003 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion: 57 Resp: 124363
Ion Ratio Lower Upper
57 100
41 93.9 72.1 108.1
43 253.5 192.1 288.1
56 54.6 42.5 63.7

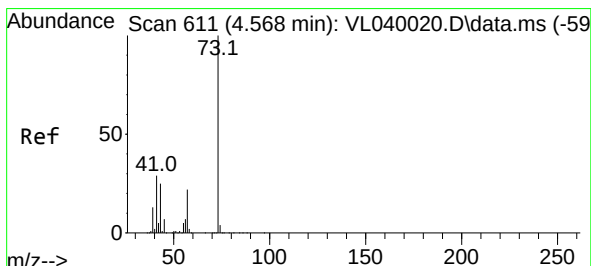
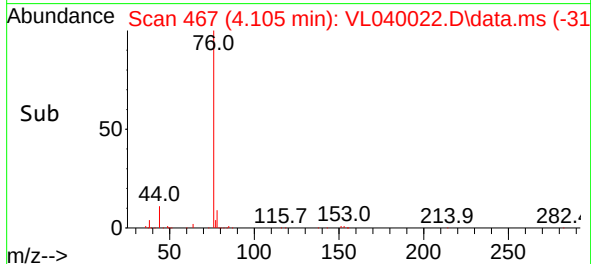
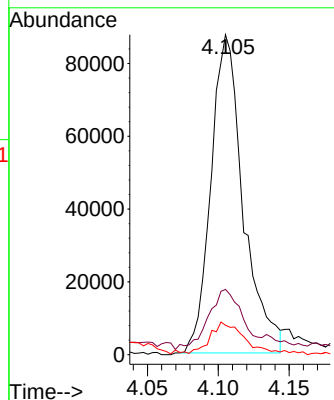
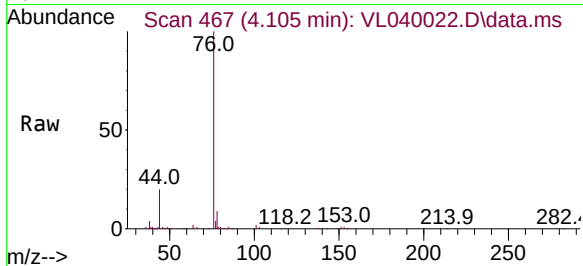




#27
Carbon Disulfide
Concen: 0.977 ppbv
RT: 4.105 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

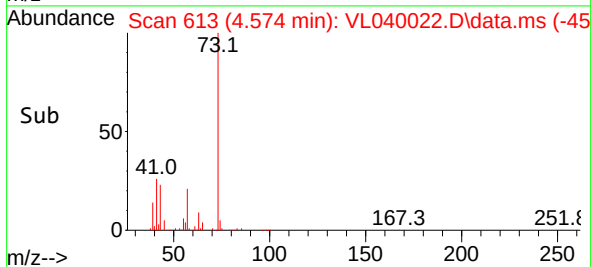
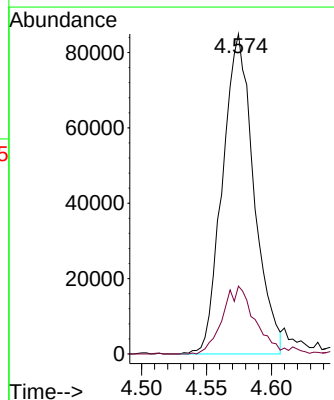
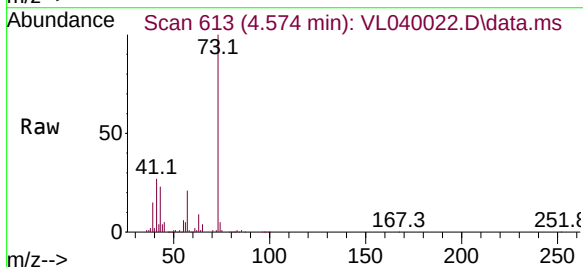
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

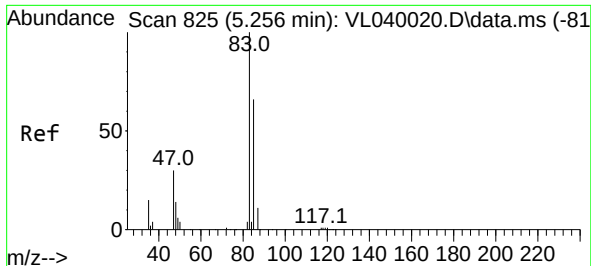
Tgt Ion: 76 Resp: 138701
Ion Ratio Lower Upper
76 100
44 22.3 15.3 22.9
78 12.1 7.8 11.6#



#28
Methyl tert-Butyl Ether
Concen: 1.080 ppbv
RT: 4.574 min Scan# 613
Delta R.T. 0.006 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion: 73 Resp: 143167
Ion Ratio Lower Upper
73 100
57 23.1 18.6 28.0





#29

Chloroform

Concen: 1.081 ppbv

RT: 5.253 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

Instrument :

MSVOA_L

ClientSampleId :

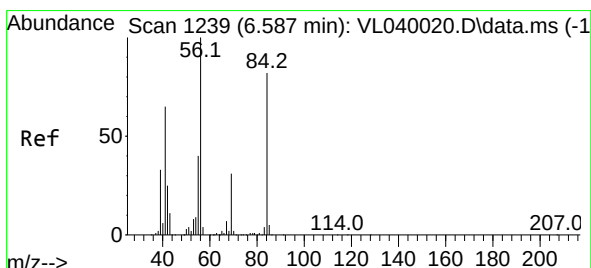
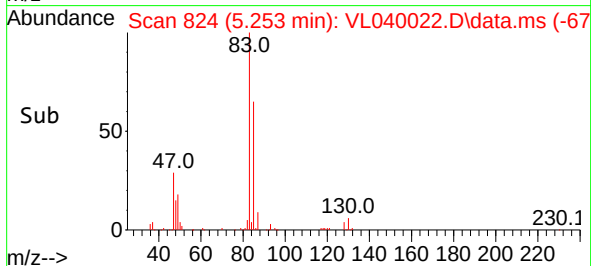
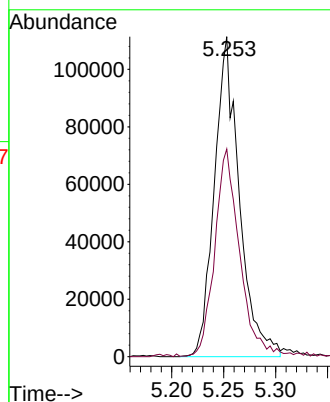
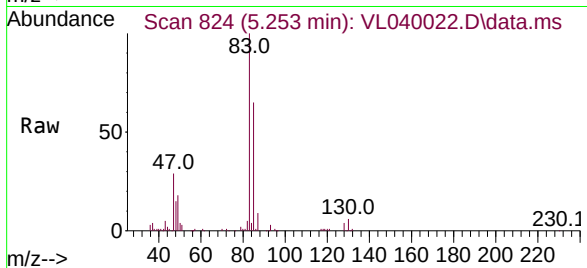
VSTDIC001

Tgt Ion: 83 Resp: 185526

Ion Ratio Lower Upper

83 100

85 64.8 52.4 78.6



#30

Cyclohexane

Concen: 1.098 ppbv

RT: 6.578 min Scan# 1236

Delta R.T. -0.010 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

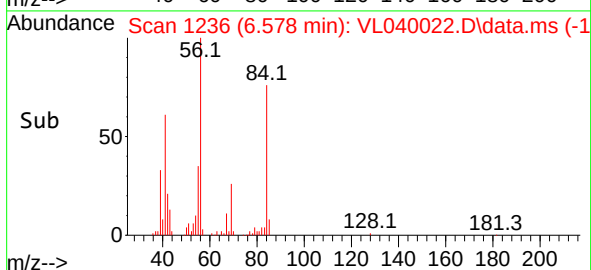
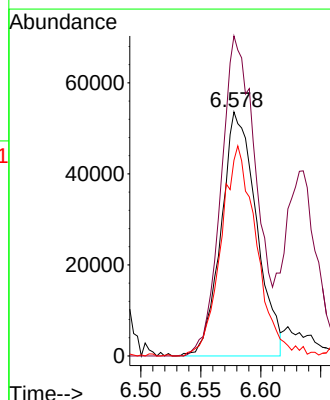
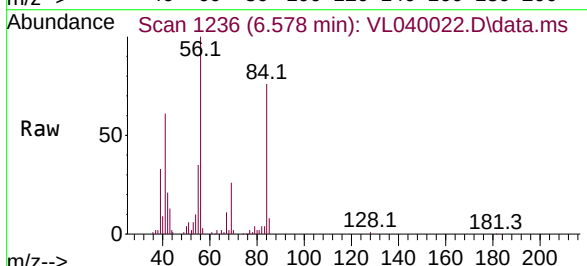
Tgt Ion: 84 Resp: 109414

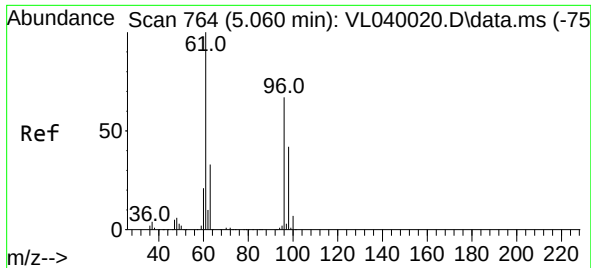
Ion Ratio Lower Upper

84 100

56 136.3 110.2 165.4

41 87.7 67.8 101.8

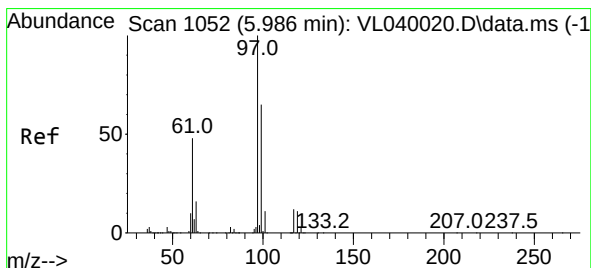
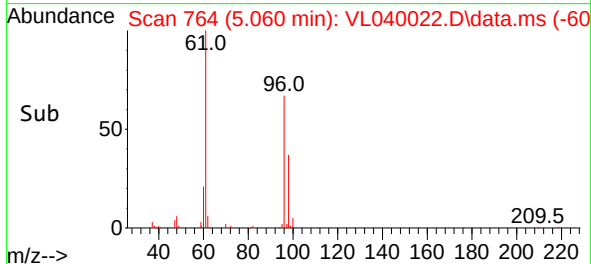
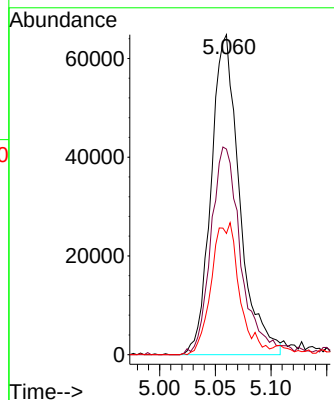
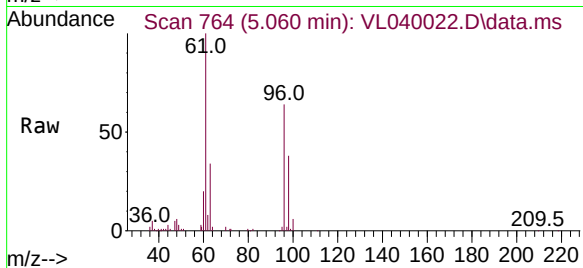




#31
 cis-1,2-Dichloroethene
 Concen: 1.076 ppbv
 RT: 5.060 min Scan# 764
 Delta R.T. -0.000 min
 Lab File: VL040022.D
 Acq: 19 Dec 2022 10:53

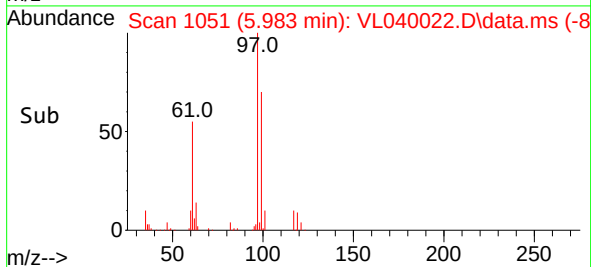
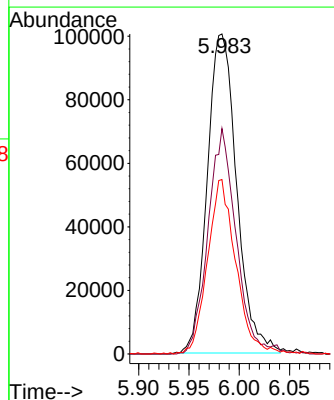
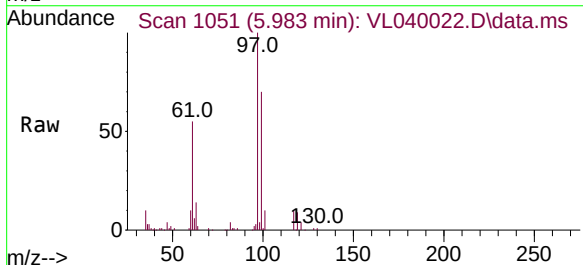
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

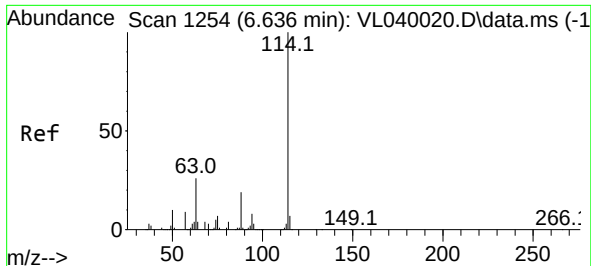
Tgt Ion: 61 Resp: 115285
 Ion Ratio Lower Upper
 61 100
 96 64.3 53.4 80.2
 98 37.9 33.4 50.0



#32
 1,1,1-Trichloroethane
 Concen: 1.111 ppbv
 RT: 5.983 min Scan# 1051
 Delta R.T. -0.003 min
 Lab File: VL040022.D
 Acq: 19 Dec 2022 10:53

Tgt Ion: 97 Resp: 204816
 Ion Ratio Lower Upper
 97 100
 99 67.8 51.8 77.6
 61 52.8 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

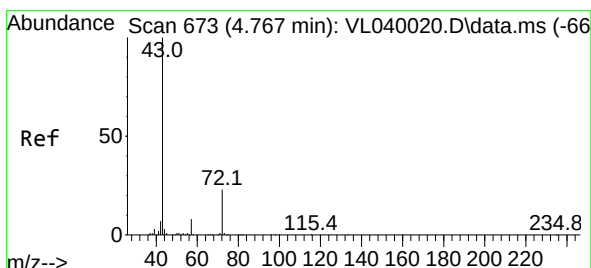
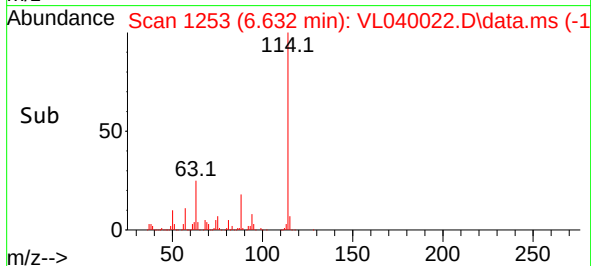
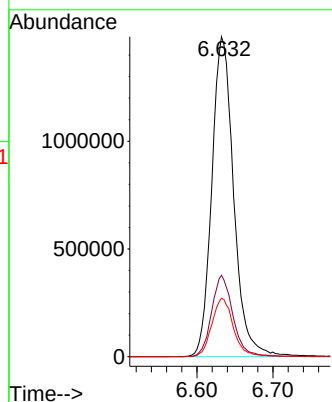
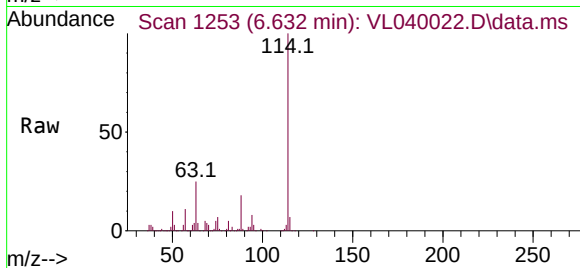
Tgt Ion:114 Resp: 2958751

Ion Ratio Lower Upper

114 100

63 25.0 20.2 30.2

88 18.2 14.6 21.8



#34

2-Butanone

Concen: 1.102 ppbv

RT: 4.774 min Scan# 675

Delta R.T. 0.006 min

Lab File: VL040022.D

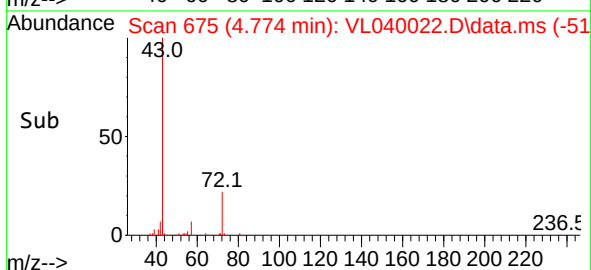
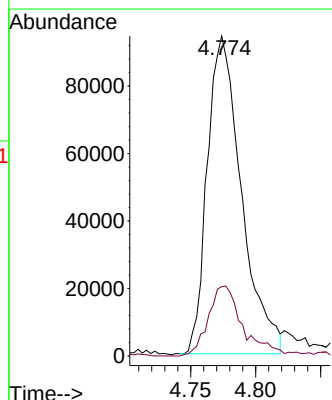
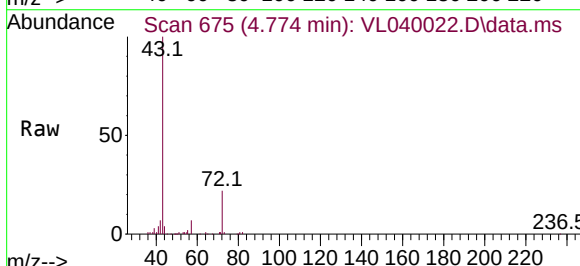
Acq: 19 Dec 2022 10:53

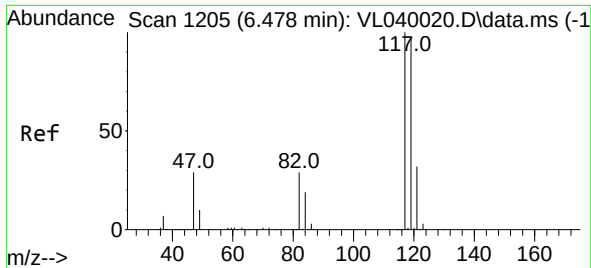
Tgt Ion: 43 Resp: 172142

Ion Ratio Lower Upper

43 100

72 22.8 18.0 27.0

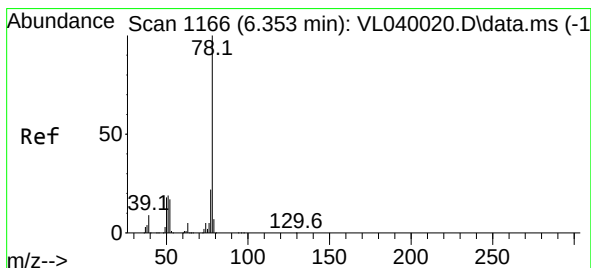
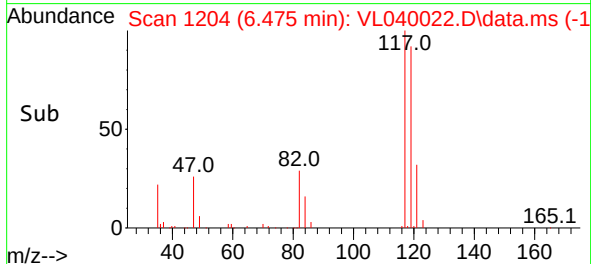
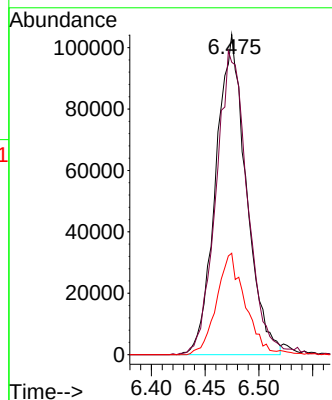
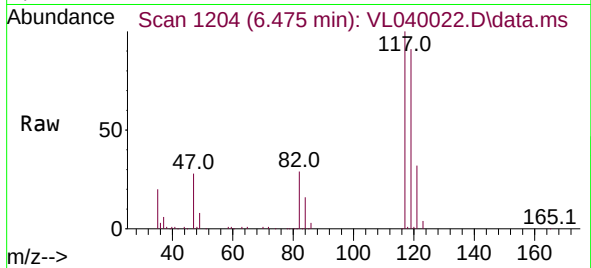




#35
Carbon Tetrachloride
Concen: 1.116 ppbv
RT: 6.475 min Scan# 1170
Delta R.T. -0.003 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

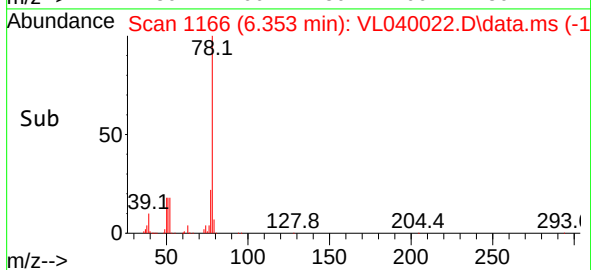
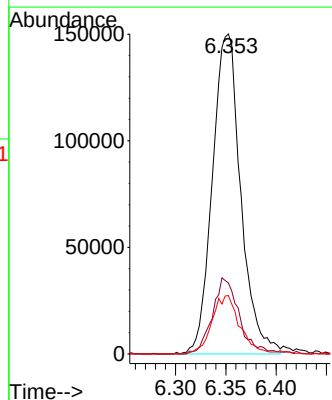
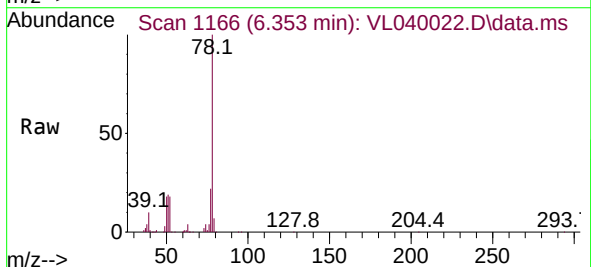
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

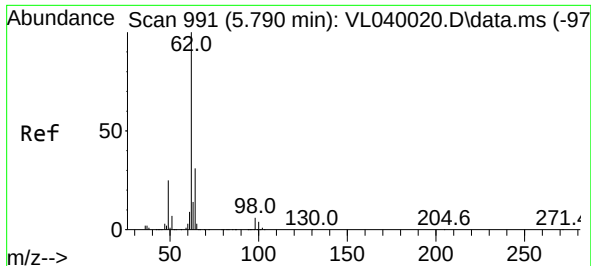
Tgt Ion:117 Resp: 205478
Ion Ratio Lower Upper
117 100
119 91.0 77.3 115.9
121 31.7 25.4 38.0



#36
Benzene
Concen: 1.115 ppbv
RT: 6.353 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion: 78 Resp: 294756
Ion Ratio Lower Upper
78 100
77 22.2 17.5 26.3
50 18.2 14.2 21.2





#37

1,2-Dichloroethane

Concen: 1.100 ppbv

RT: 5.787 min Scan# 991

Delta R.T. -0.003 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

Instrument :

MSVOA_L

ClientSampleId :

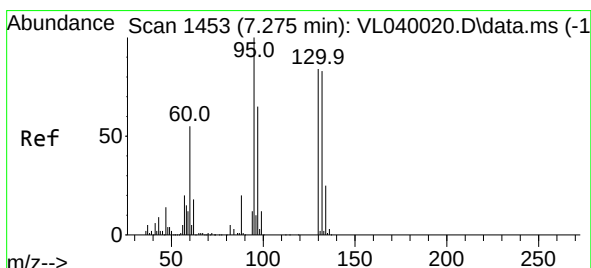
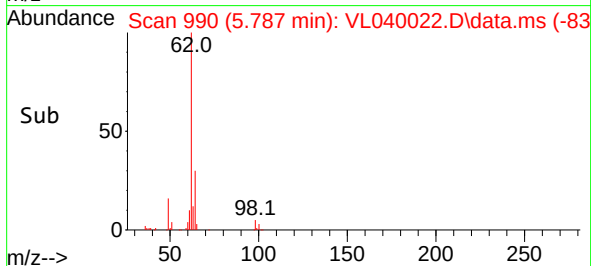
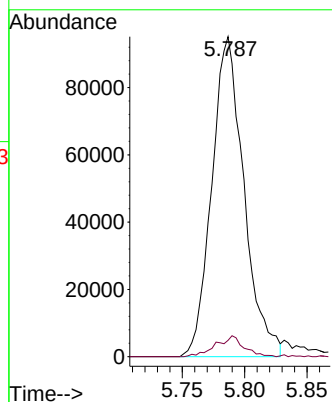
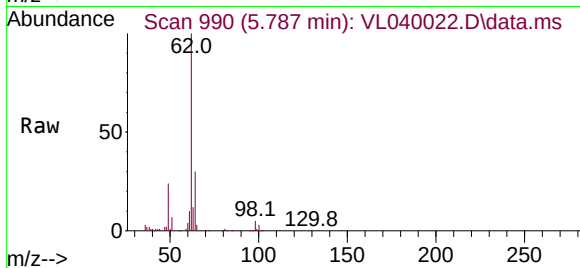
VSTDIC001

Tgt Ion: 62 Resp: 170508

Ion Ratio Lower Upper

62 100

98 5.9 5.1 7.7



#38

Trichloroethene

Concen: 1.166 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. -0.003 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

Tgt Ion:130 Resp: 159163

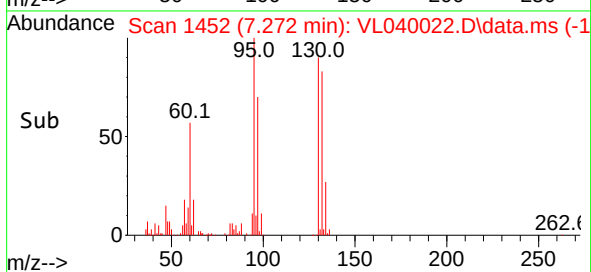
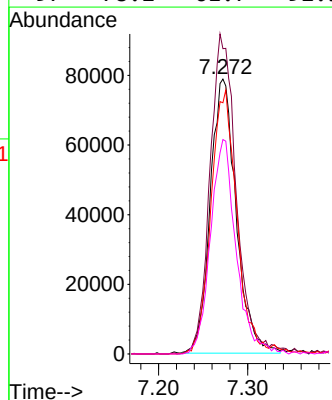
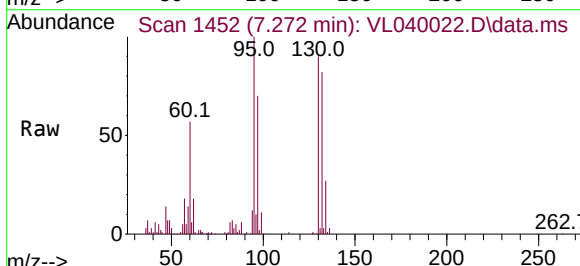
Ion Ratio Lower Upper

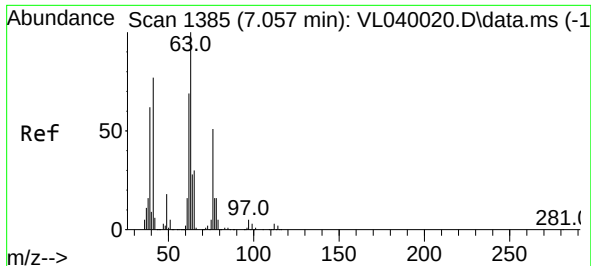
130 100

95 111.4 94.8 142.2

132 91.4 78.2 117.4

97 78.2 61.7 92.5





#39

1,2-Dichloropropane

Concen: 1.080 ppbv

RT: 7.057 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

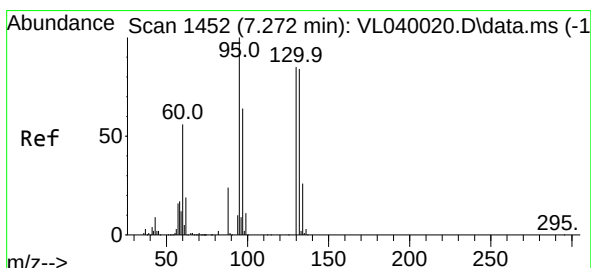
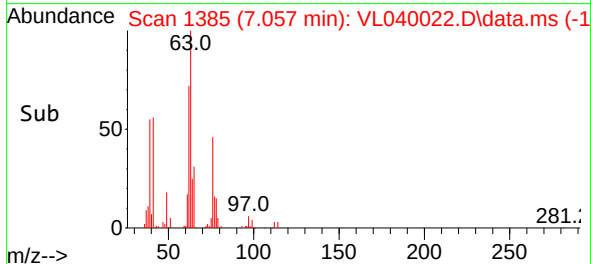
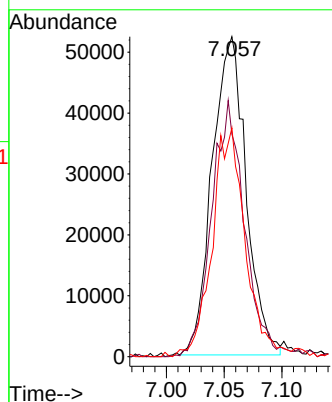
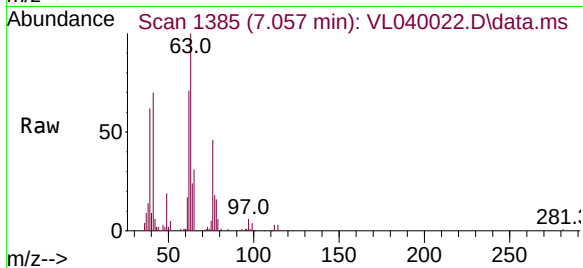
Tgt Ion: 63 Resp: 106942

Ion Ratio Lower Upper

63 100

41 69.6 61.4 92.0

62 69.7 55.4 83.2



#40

1,4-Dioxane

Concen: 0.394 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.013 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

Tgt Ion: 88 Resp: 17713

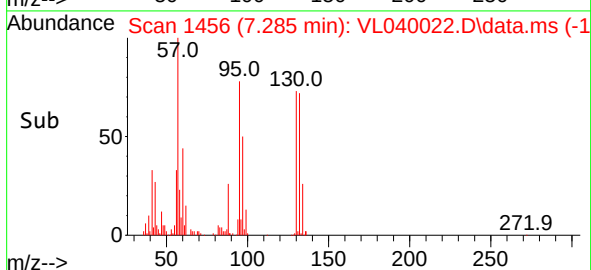
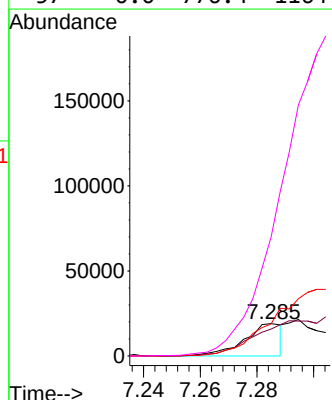
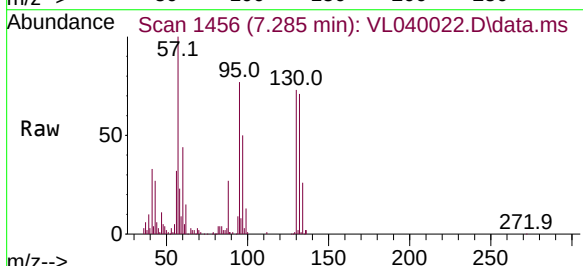
Ion Ratio Lower Upper

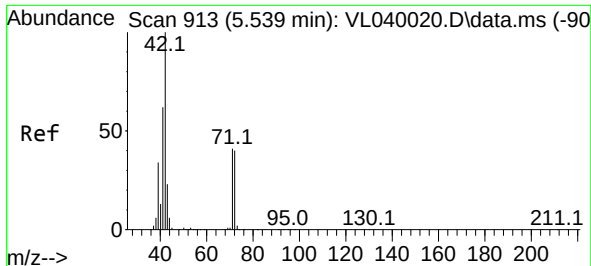
88 100

58 0.0 92.7 139.1#

43 0.0 174.6 261.8#

57 0.0 776.4 1164.6#





#41

Tetrahydrofuran

Concen: 1.113 ppbv

RT: 5.552 min Scan# 913

Delta R.T. 0.013 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

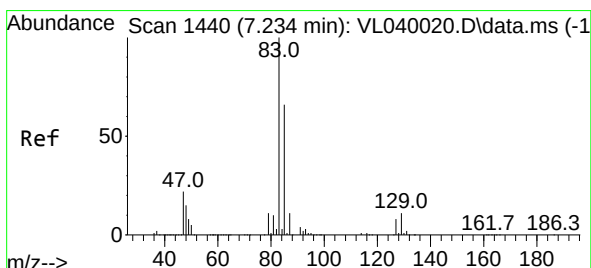
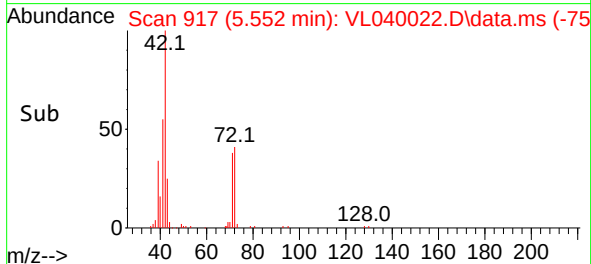
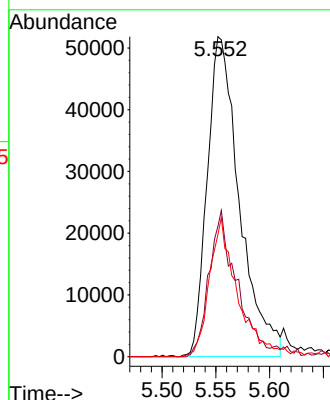
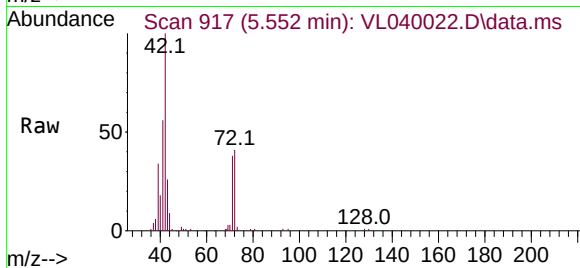
Tgt Ion: 42 Resp: 107951

Ion Ratio Lower Upper

42 100

72 41.5 32.9 49.3

71 39.3 32.2 48.2



#42

Bromodichloromethane

Concen: 1.045 ppbv

RT: 7.230 min Scan# 1439

Delta R.T. -0.003 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

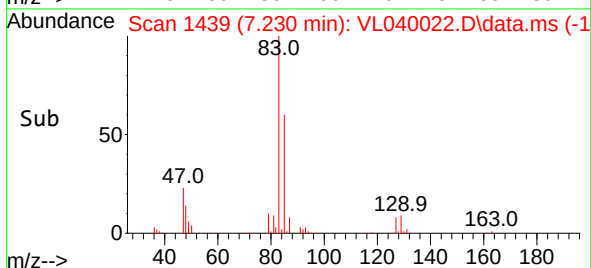
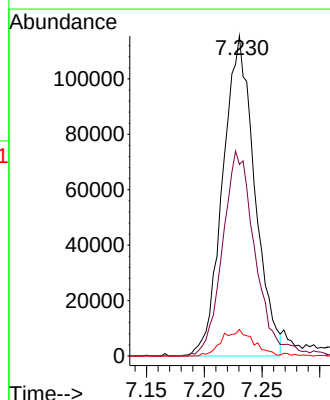
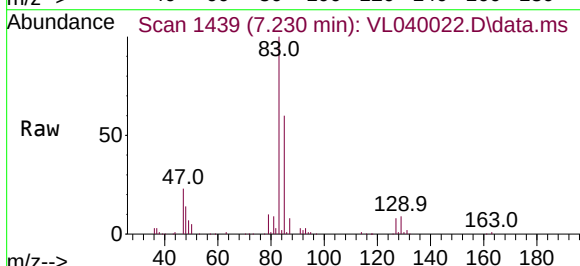
Tgt Ion: 83 Resp: 221592

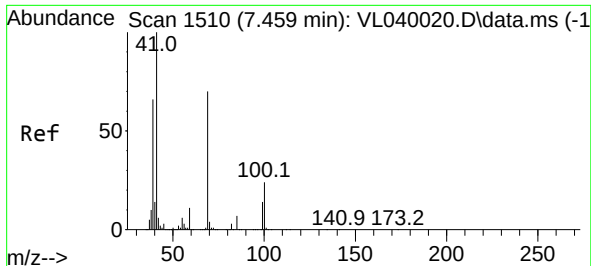
Ion Ratio Lower Upper

83 100

85 59.8 53.0 79.6

127 8.3 6.2 9.2

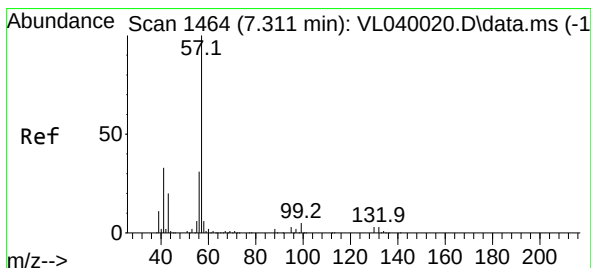
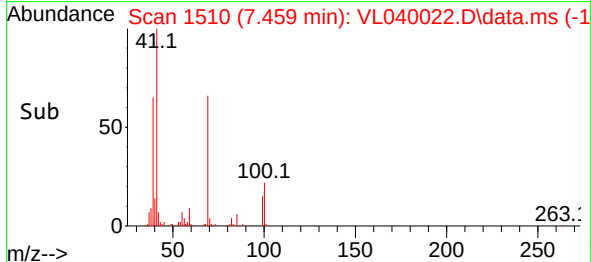
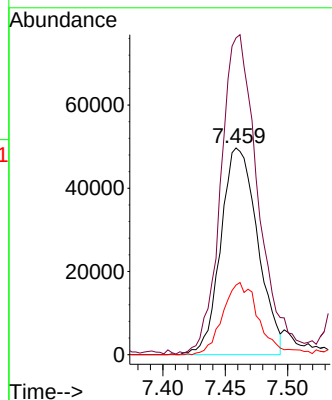
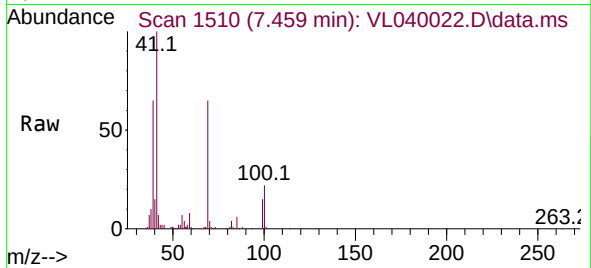




#43
Methyl Methacrylate
Concen: 1.032 ppbv
RT: 7.459 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

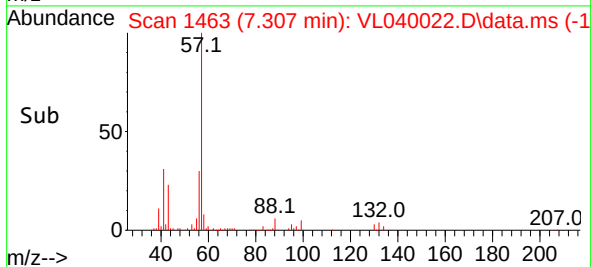
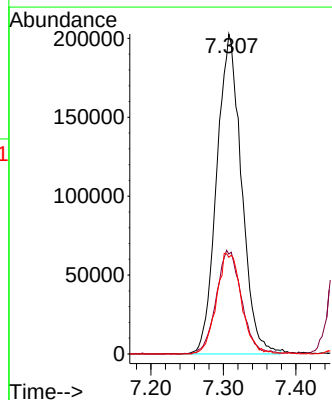
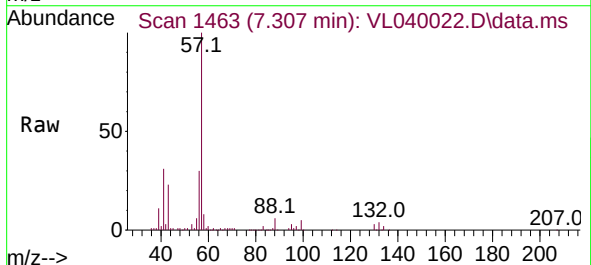
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

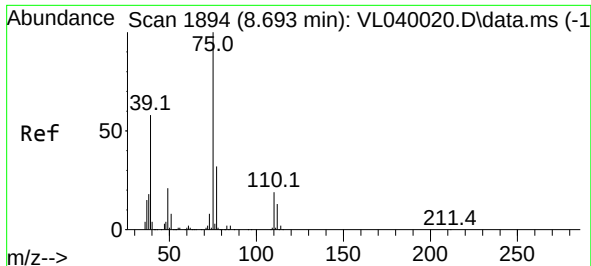
Tgt Ion: 69 Resp: 102328
Ion Ratio Lower Upper
69 100
41 158.4 115.7 173.5
100 34.3 26.0 39.0



#44
2,2,4-Trimethylpentane
Concen: 1.108 ppbv
RT: 7.307 min Scan# 1463
Delta R.T. -0.003 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion: 57 Resp: 481844
Ion Ratio Lower Upper
57 100
41 33.0 26.2 39.4
56 32.0 25.1 37.7

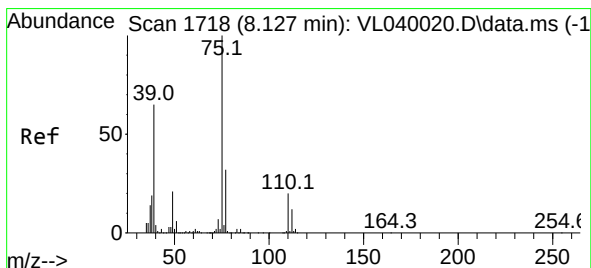
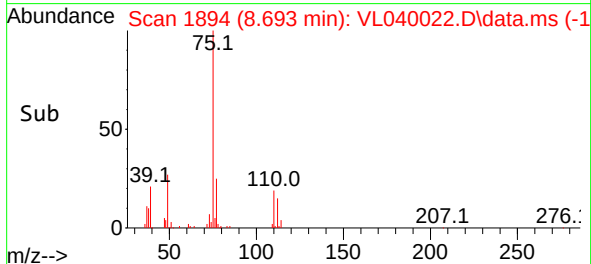
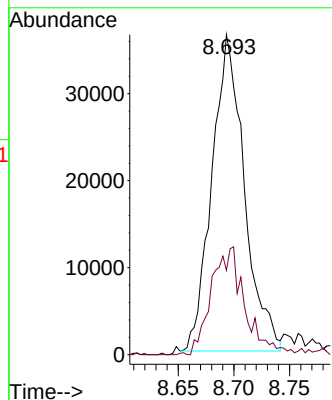
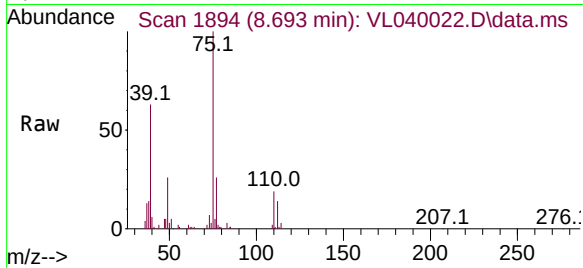




#45
 t-1,3-Dichloropropene
 Concen: 0.880 ppbv
 RT: 8.693 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VL040022.D
 Acq: 19 Dec 2022 10:53

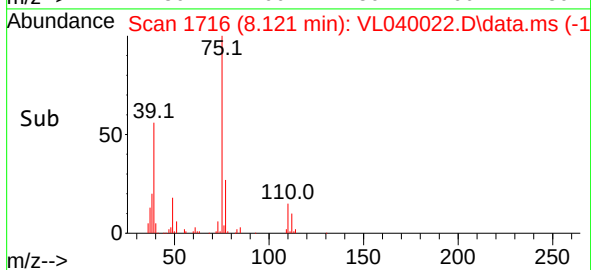
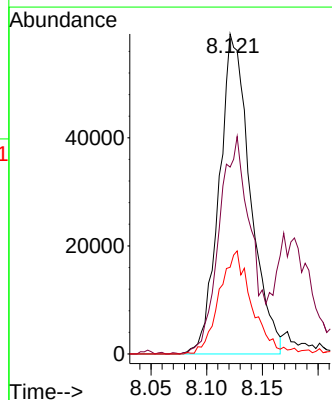
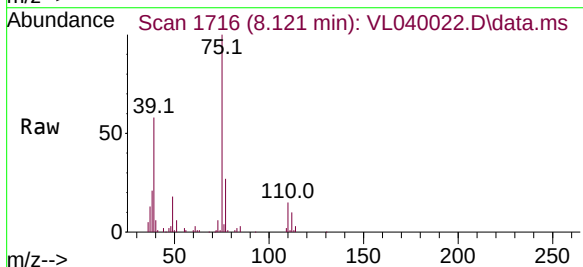
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

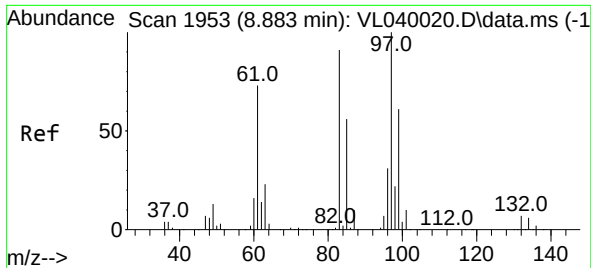
Tgt Ion: 75 Resp: 73735
 Ion Ratio Lower Upper
 75 100
 77 26.3 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 0.974 ppbv
 RT: 8.121 min Scan# 1716
 Delta R.T. -0.006 min
 Lab File: VL040022.D
 Acq: 19 Dec 2022 10:53

Tgt Ion: 75 Resp: 115185
 Ion Ratio Lower Upper
 75 100
 39 57.5 51.7 77.5
 77 27.1 25.2 37.8



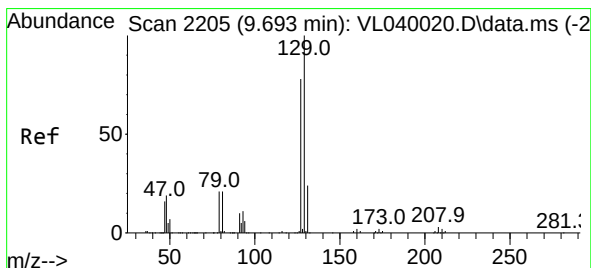
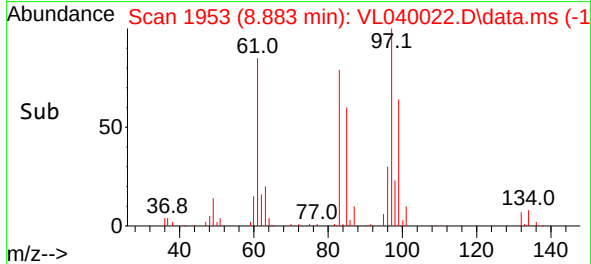
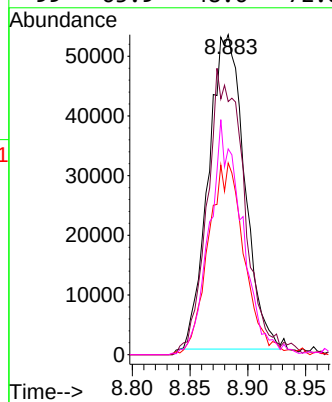
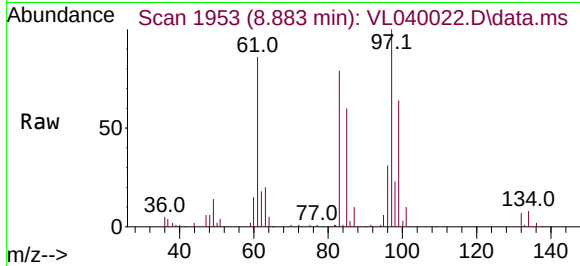


#47
1,1,2-Trichloroethane
Concen: 1.058 ppbv
RT: 8.883 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 97 Resp: 114630

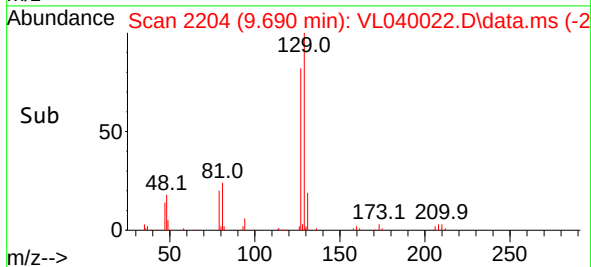
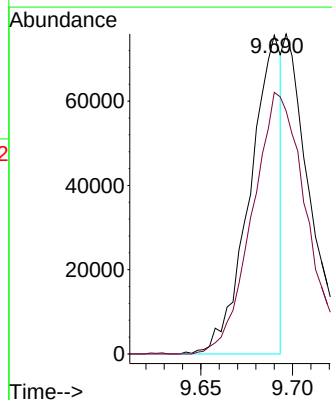
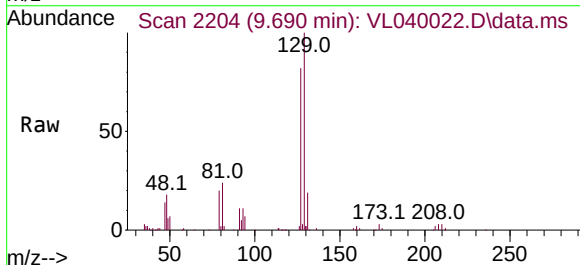
Ion	Ratio	Lower	Upper
97	100		
83	77.9	72.5	108.7
85	60.4	45.0	67.6
99	63.9	48.6	72.8

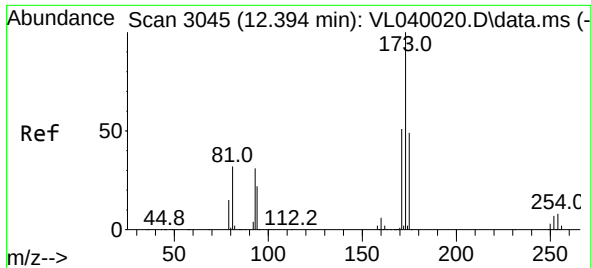


#48
Dibromochloromethane
Concen: 0.544 ppbv
RT: 9.690 min Scan# 2204
Delta R.T. -0.003 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion: 129 Resp: 89784

Ion	Ratio	Lower	Upper
129	100		
127	145.8	39.4	118.1

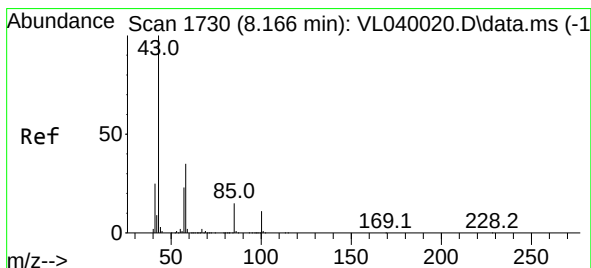
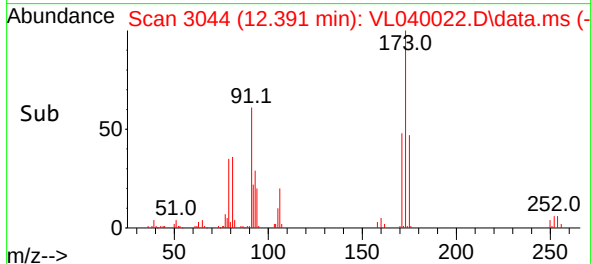
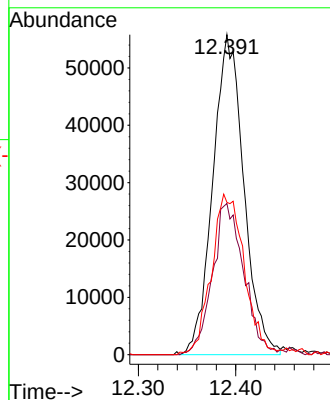
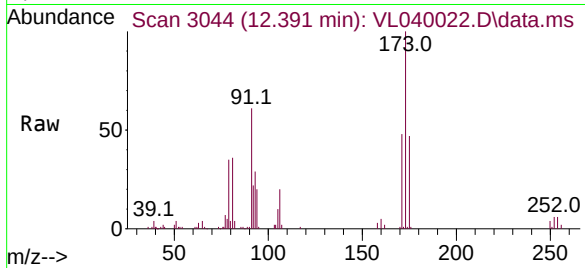




#49
Bromoform
Concen: 0.979 ppbv
RT: 12.391 min Scan# 3044
Delta R.T. -0.003 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

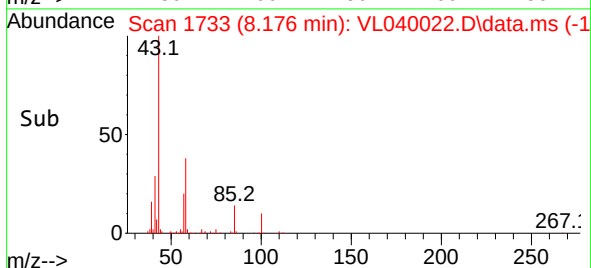
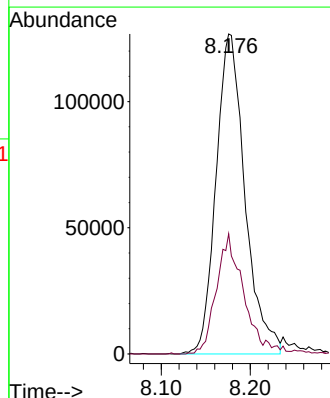
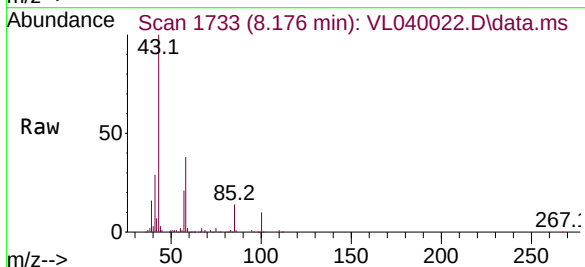
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

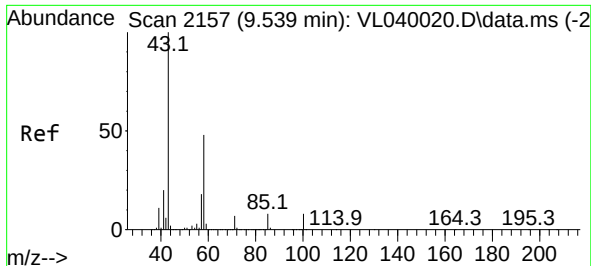
Tgt Ion:173 Resp: 123182
Ion Ratio Lower Upper
173 100
175 49.1 39.0 58.4
171 54.3 42.0 63.0



#50
4-Methyl-2-Pentanone
Concen: 1.090 ppbv
RT: 8.176 min Scan# 1733
Delta R.T. 0.010 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion: 43 Resp: 285726
Ion Ratio Lower Upper
43 100
58 36.3 29.0 43.4

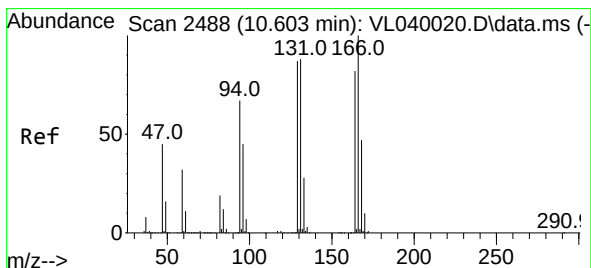
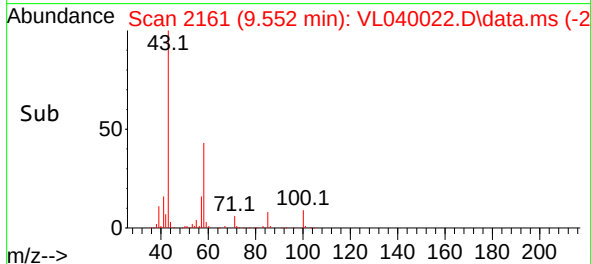
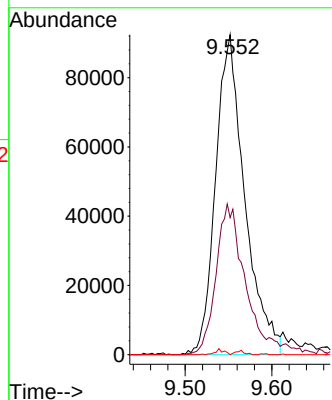
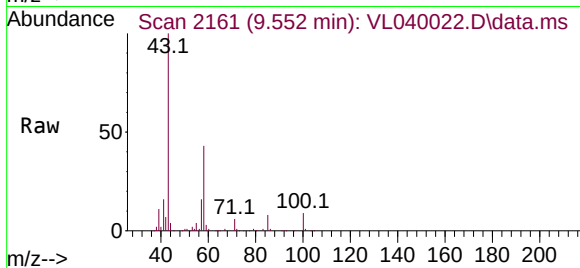




#51
2-Hexanone
Concen: 1.063 ppbv
RT: 9.552 min Scan# 2157
Delta R.T. 0.013 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

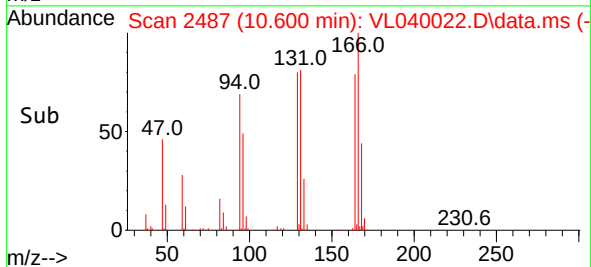
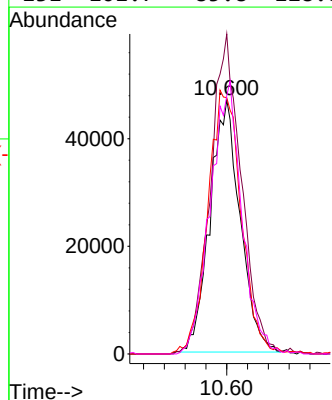
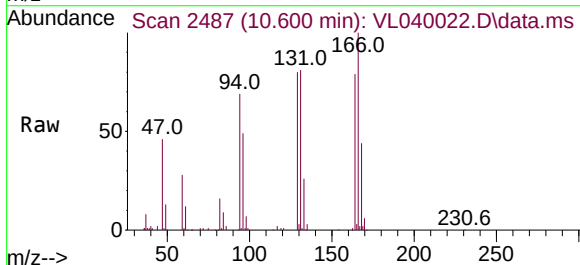
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

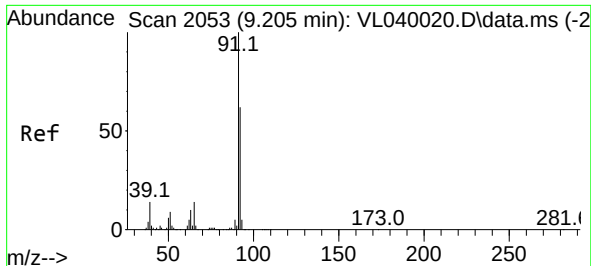
Tgt Ion: 43 Resp: 216088
Ion Ratio Lower Upper
43 100
58 48.6 39.4 59.2
98 1.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 1.044 ppbv
RT: 10.600 min Scan# 2487
Delta R.T. -0.003 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion: 164 Resp: 94451
Ion Ratio Lower Upper
164 100
166 125.8 97.4 146.0
129 100.1 84.3 126.5
131 101.7 85.8 128.8

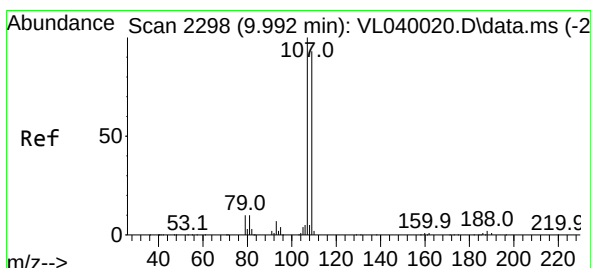
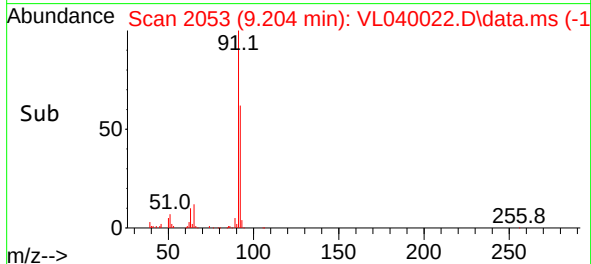
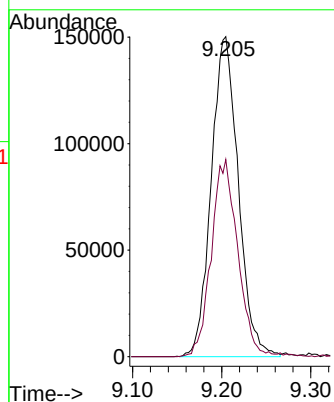
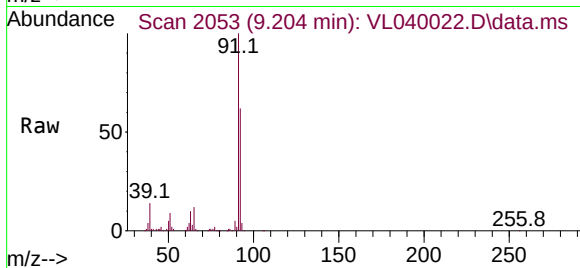




#53
Toluene
Concen: 1.084 ppbv
RT: 9.204 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

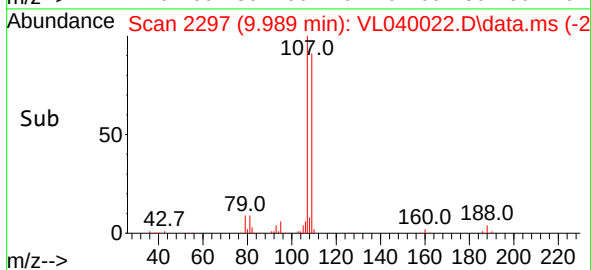
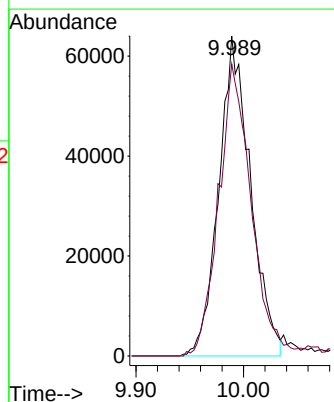
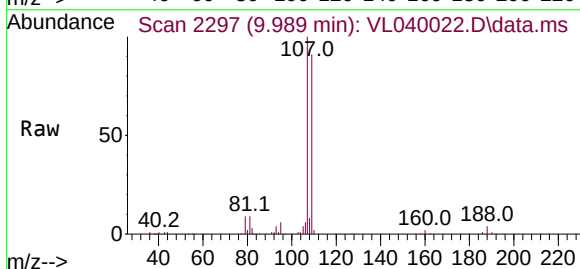
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

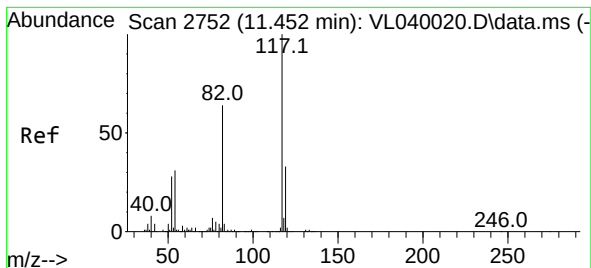
Tgt Ion: 91 Resp: 317164
Ion Ratio Lower Upper
91 100
92 60.7 48.7 73.1



#54
1,2-Dibromoethane
Concen: 1.128 ppbv
RT: 9.989 min Scan# 2297
Delta R.T. -0.003 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion: 107 Resp: 130839
Ion Ratio Lower Upper
107 100
109 91.2 74.1 111.1

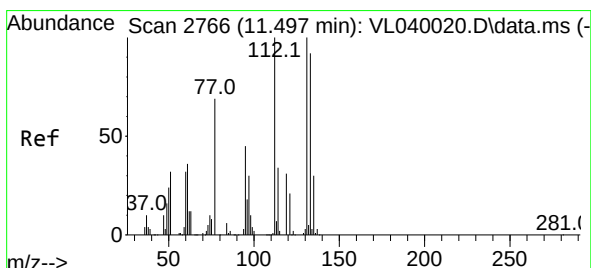
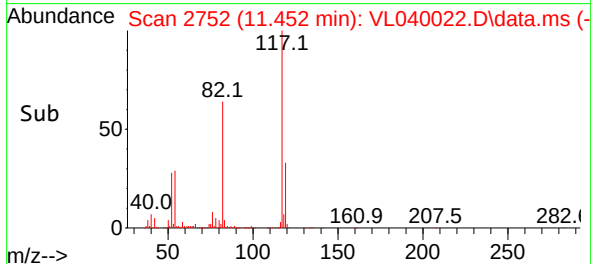
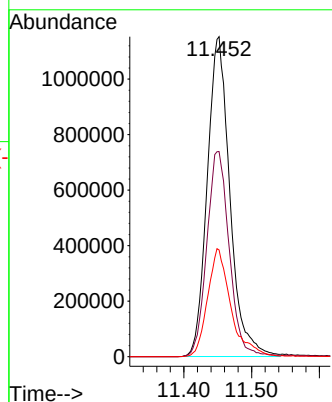
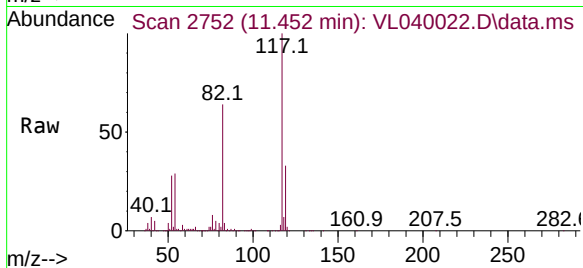




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

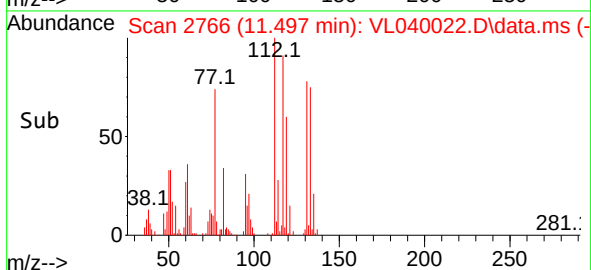
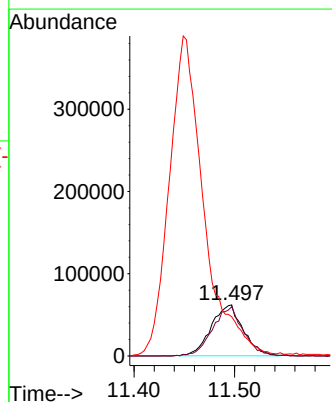
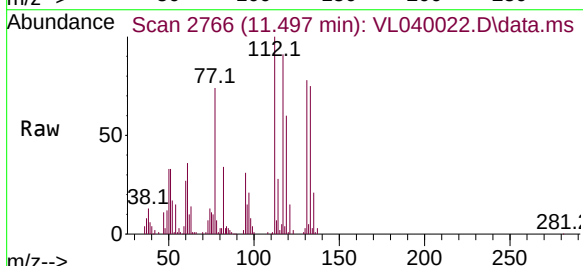
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

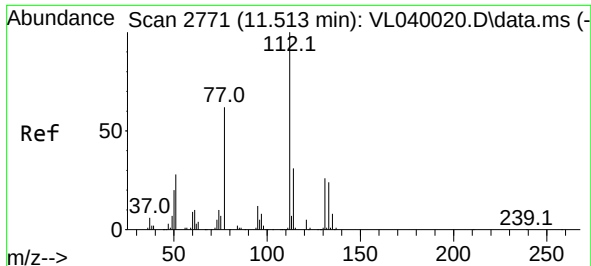
Tgt Ion:117 Resp: 2677082
Ion Ratio Lower Upper
117 100
82 64.1 51.2 76.8
119 35.0 23.2 34.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 1.095 ppbv
RT: 11.497 min Scan# 2766
Delta R.T. -0.000 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion:131 Resp: 135301
Ion Ratio Lower Upper
131 100
133 93.3 75.8 113.8
119 692.8 52.3 78.5#

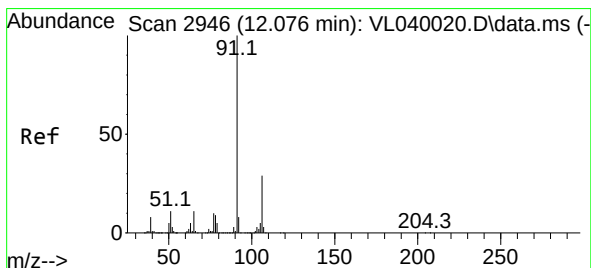
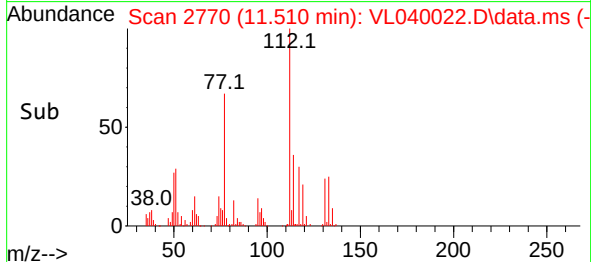
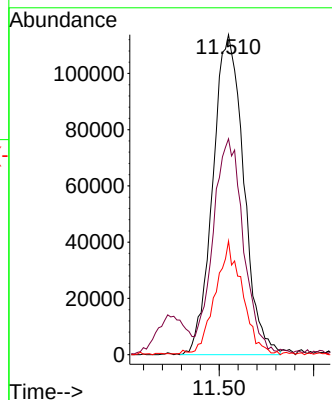
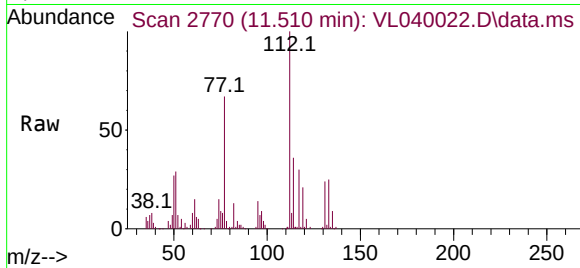




#57
Chlorobenzene
Concen: 1.132 ppbv
RT: 11.510 min Scan# 211
Delta R.T. -0.003 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

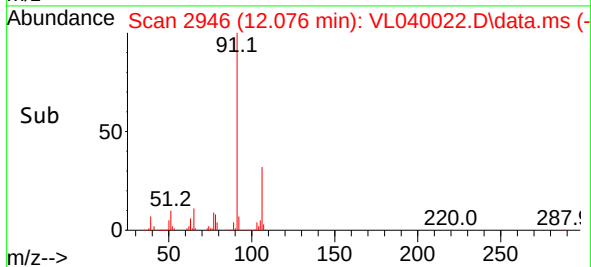
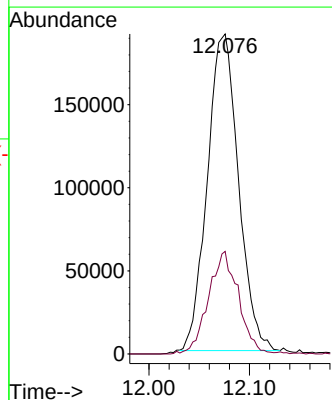
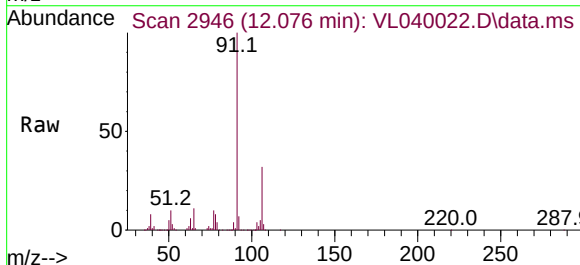
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

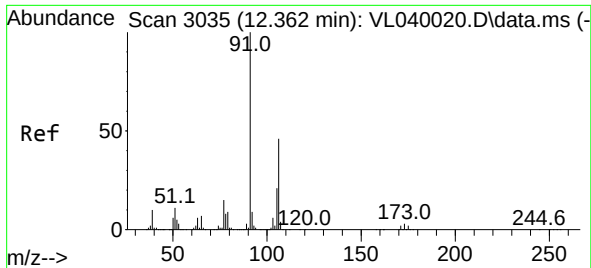
Tgt Ion:112 Resp: 257290
Ion Ratio Lower Upper
112 100
77 65.8 50.6 75.8
114 35.5 27.8 34.0#



#58
Ethyl Benzene
Concen: 1.081 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. -0.000 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion: 91 Resp: 411009
Ion Ratio Lower Upper
91 100
106 32.1 23.5 35.3

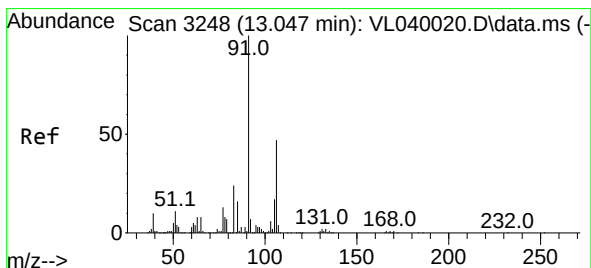
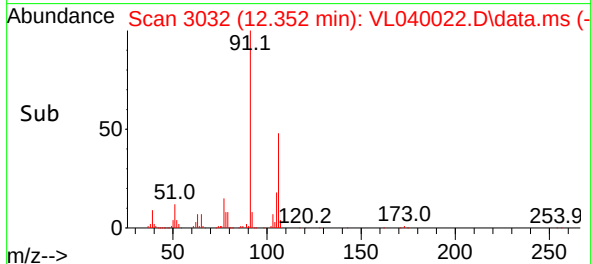
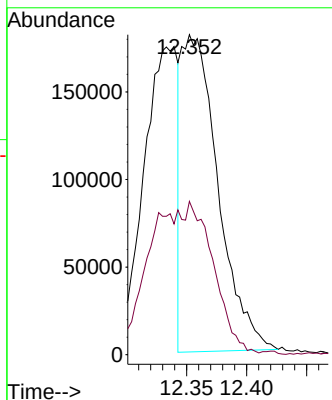
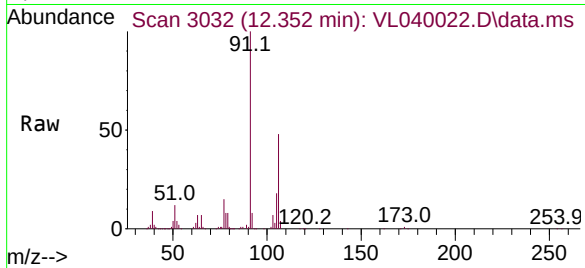




#59
m/p-Xylene
Concen: 1.154 ppbv
RT: 12.352 min Scan# 3035
Delta R.T. -0.010 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

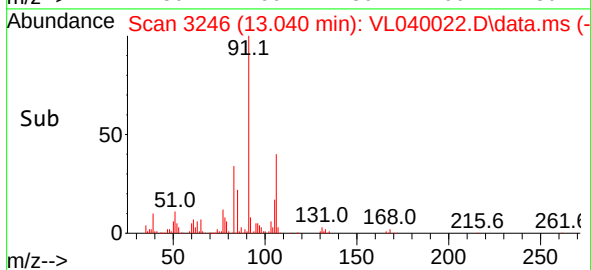
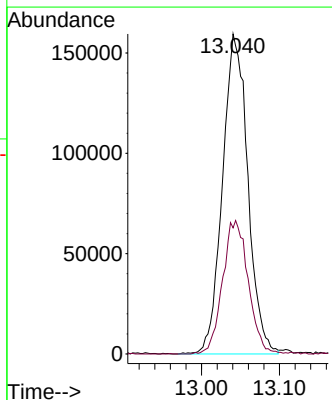
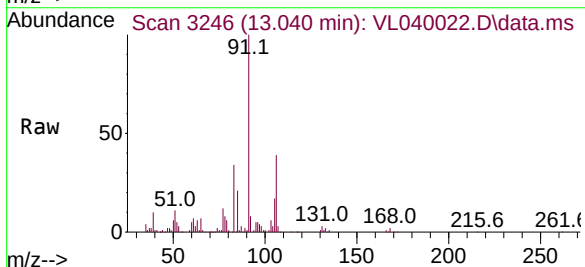
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

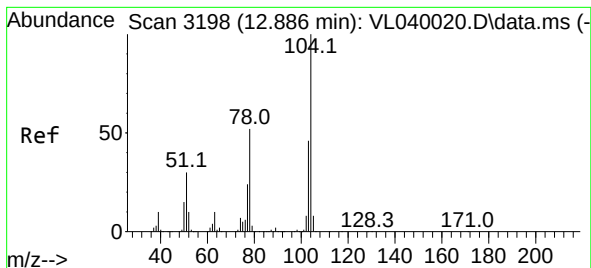
Tgt Ion: 91 Resp: 382371
Ion Ratio Lower Upper
91 100
106 84.8 35.5 53.3#



#60
o-Xylene
Concen: 1.133 ppbv
RT: 13.040 min Scan# 3246
Delta R.T. -0.006 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion: 91 Resp: 359480
Ion Ratio Lower Upper
91 100
106 42.5 22.4 67.0





#61

Styrene

Concen: 1.046 ppbv

RT: 12.886 min Scan# 3198

Delta R.T. -0.000 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

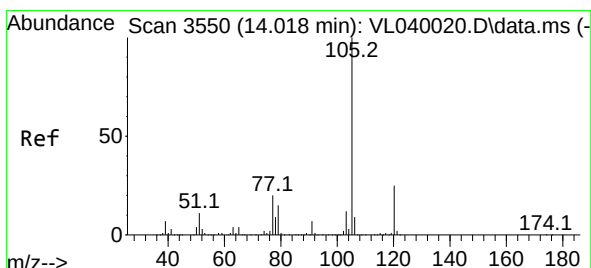
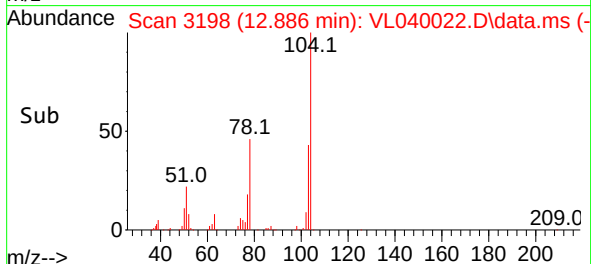
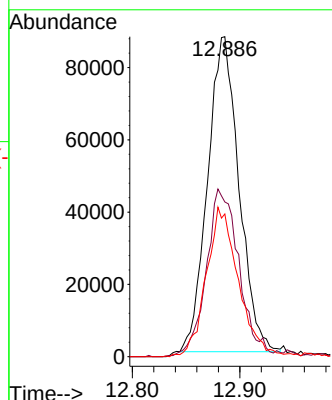
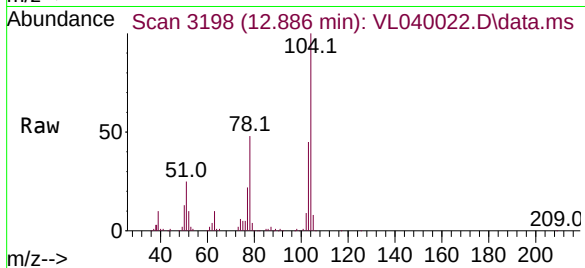
Tgt Ion:104 Resp: 176945

Ion Ratio Lower Upper

104 100

78 56.6 42.4 63.6

103 49.2 37.2 55.8



#62

Isopropylbenzene

Concen: 1.131 ppbv

RT: 14.015 min Scan# 3549

Delta R.T. -0.003 min

Lab File: VL040022.D

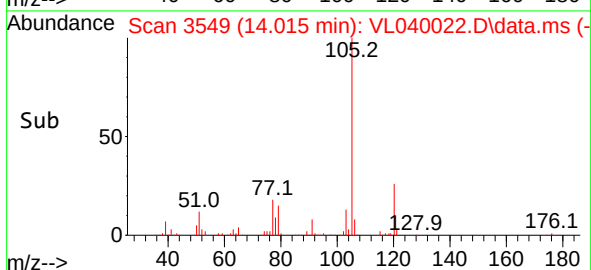
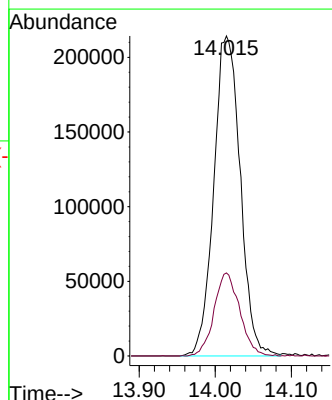
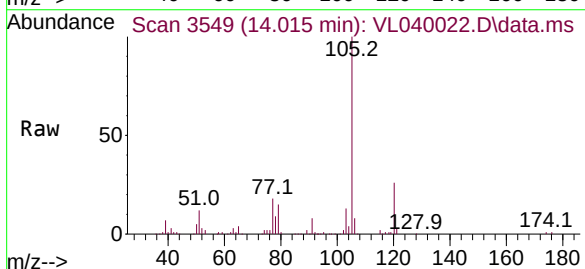
Acq: 19 Dec 2022 10:53

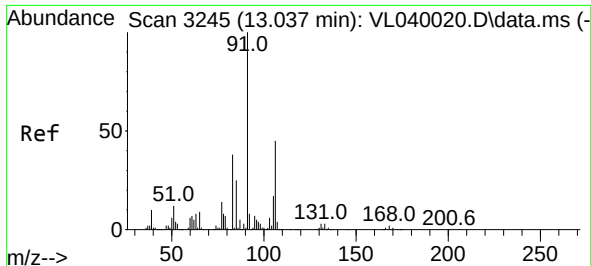
Tgt Ion:105 Resp: 517518

Ion Ratio Lower Upper

105 100

120 25.2 20.6 31.0

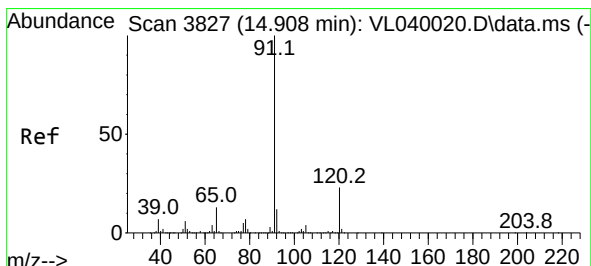
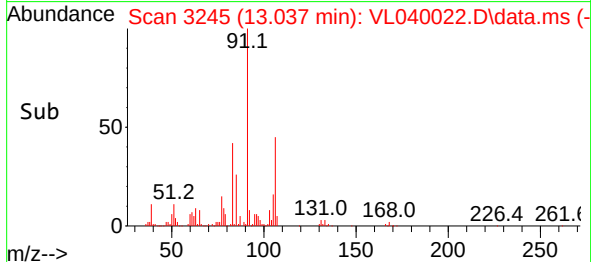
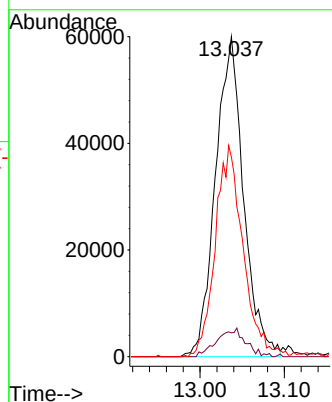
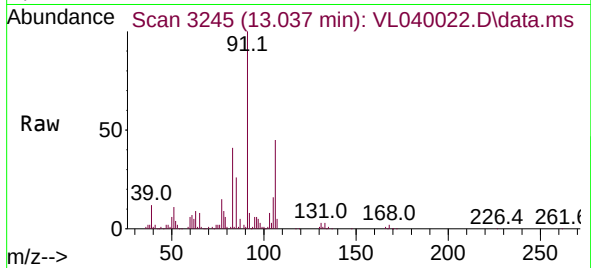




#63
1,1,2,2-Tetrachloroethane
Concen: 1.189 ppbv
RT: 13.037 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

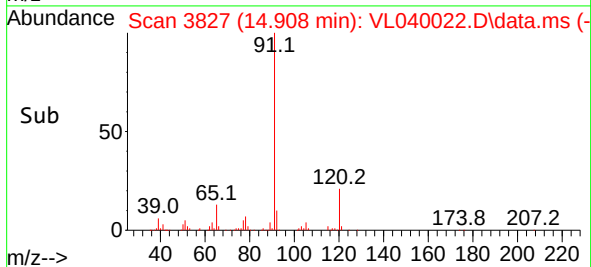
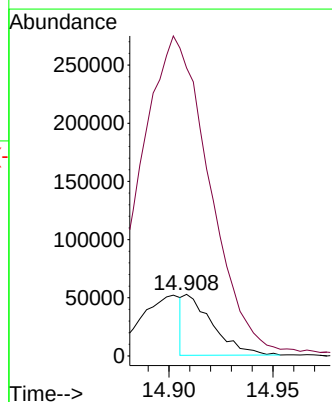
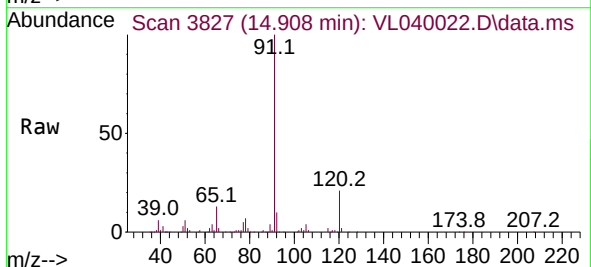
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

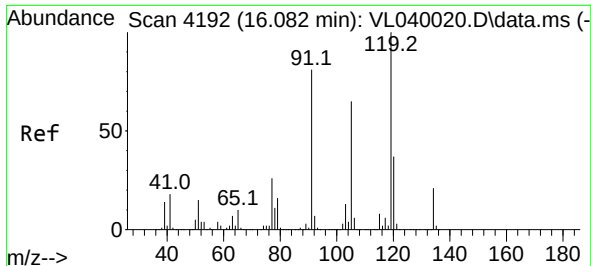
Tgt Ion: 83 Resp: 138859
Ion Ratio Lower Upper
83 100
131 9.1 4.5 13.5
85 65.3 33.3 99.9



#64
n-propylbenzene
Concen: 0.435 ppbv
RT: 14.908 min Scan# 3827
Delta R.T. -0.000 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion: 120 Resp: 50129
Ion Ratio Lower Upper
120 100
91 0.0 384.3 576.5#

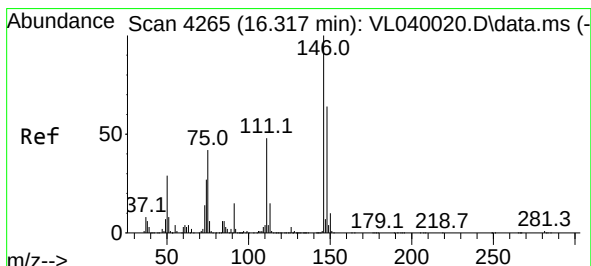
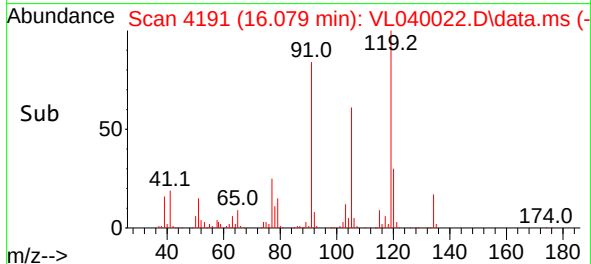
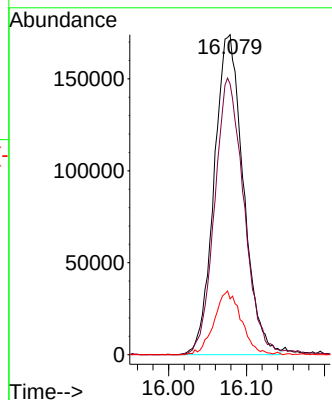
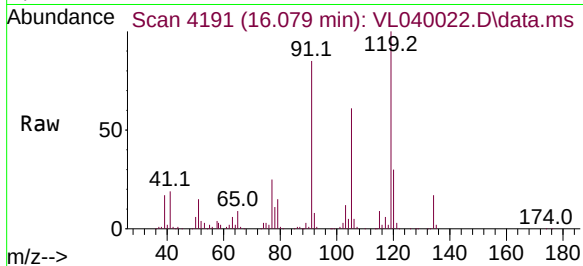




#65
tert-Butylbenzene
Concen: 1.140 ppbv
RT: 16.079 min Scan# 4191
Delta R.T. -0.003 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

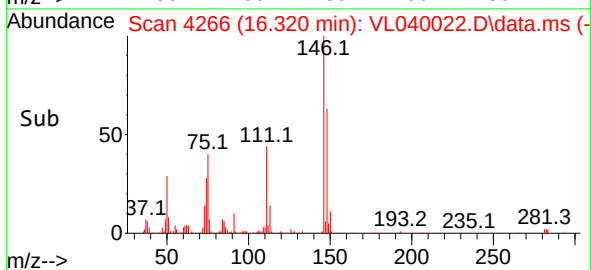
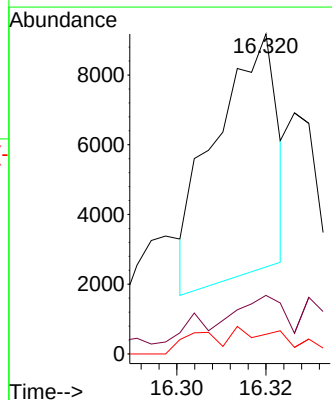
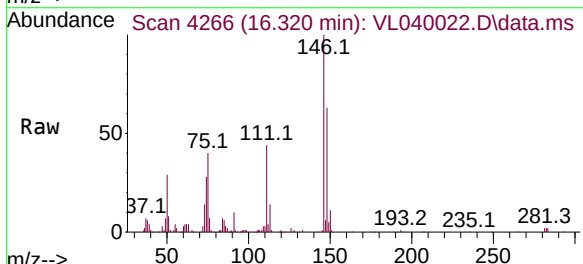
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

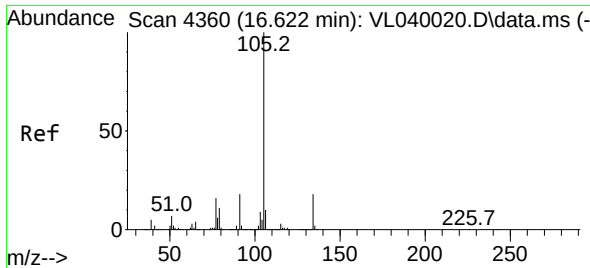
Tgt Ion:119 Resp: 453187
Ion Ratio Lower Upper
119 100
91 87.6 66.9 100.3
134 18.7 15.8 23.6



#66
Benzyl Chloride
Concen: 0.320 ppbv
RT: 16.320 min Scan# 4266
Delta R.T. 0.003 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion: 91 Resp: 6611
Ion Ratio Lower Upper
91 100
126 47.1 12.2 18.2#
128 15.9 4.2 6.2#

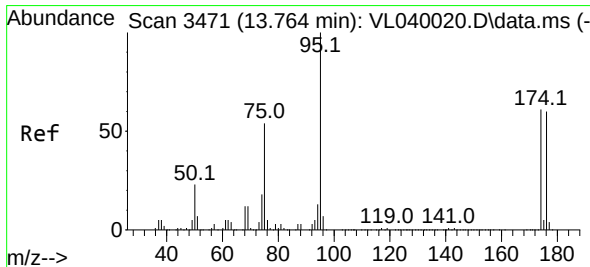
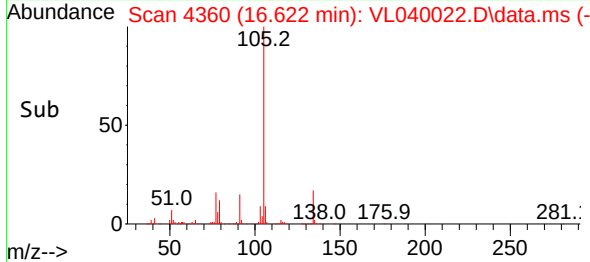
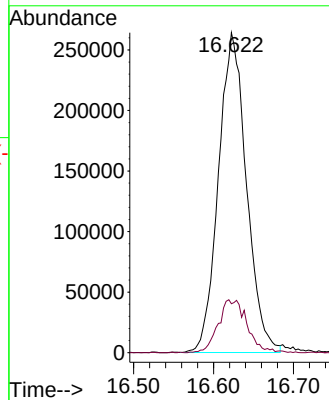
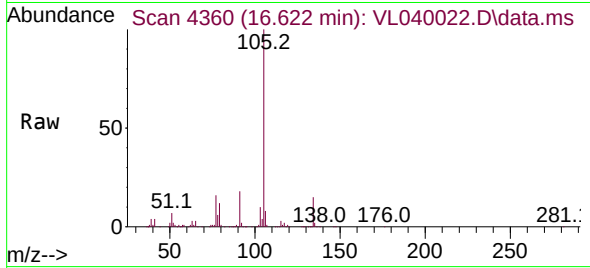




#67
 sec-Butylbenzene
 Concen: 1.152 ppbv
 RT: 16.622 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL040022.D
 Acq: 19 Dec 2022 10:53

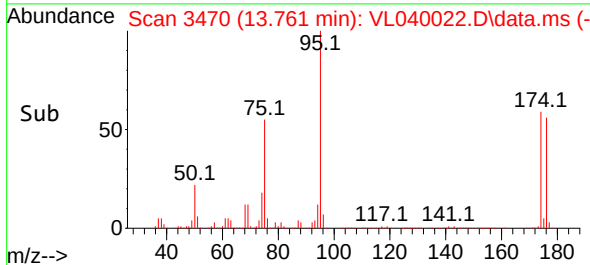
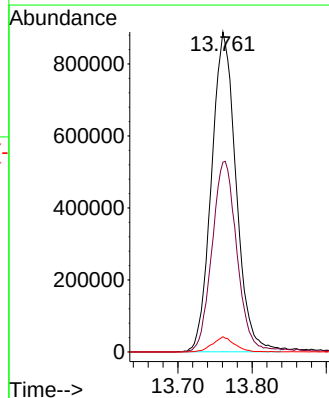
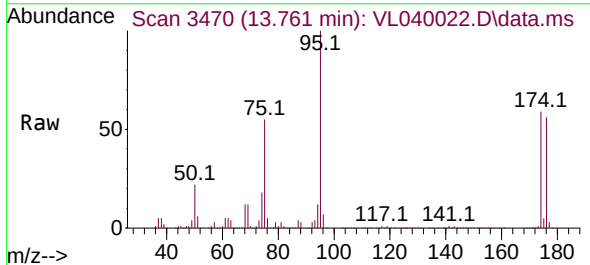
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

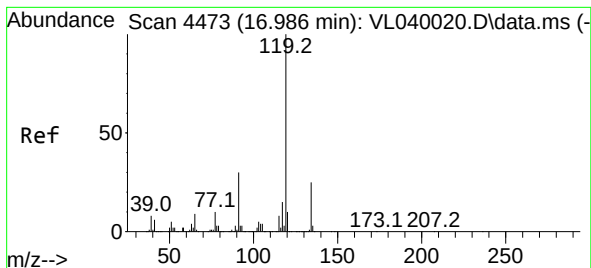
Tgt Ion:105 Resp: 641825
 Ion Ratio Lower Upper
 105 100
 134 17.1 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.001 ppbv
 RT: 13.761 min Scan# 3470
 Delta R.T. -0.003 min
 Lab File: VL040022.D
 Acq: 19 Dec 2022 10:53

Tgt Ion: 95 Resp: 2045233
 Ion Ratio Lower Upper
 95 100
 174 61.2 48.6 73.0
 175 4.4 3.4 5.2





#69

p-Isopropyltoluene

Concen: 1.145 ppbv

RT: 16.982 min Scan# 4473

Delta R.T. -0.003 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

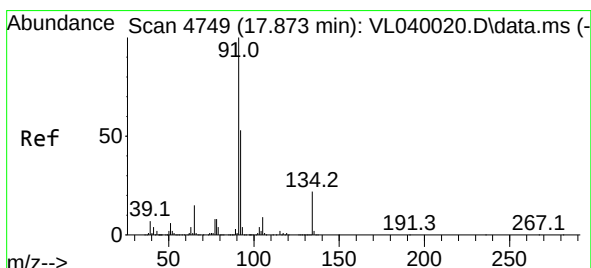
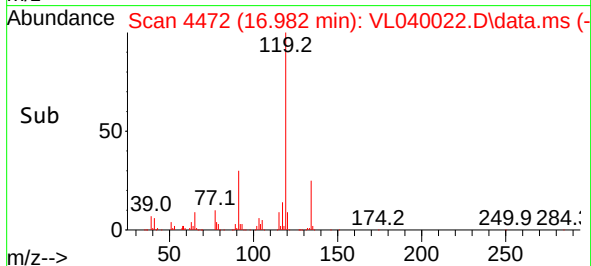
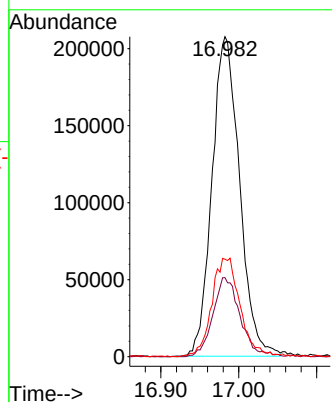
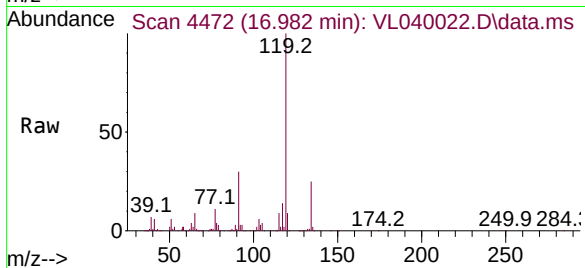
Tgt Ion:119 Resp: 509823

Ion Ratio Lower Upper

119 100

134 24.6 20.2 30.4

91 32.1 24.2 36.4



#70

n-Butylbenzene

Concen: 1.131 ppbv

RT: 17.876 min Scan# 4750

Delta R.T. 0.003 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

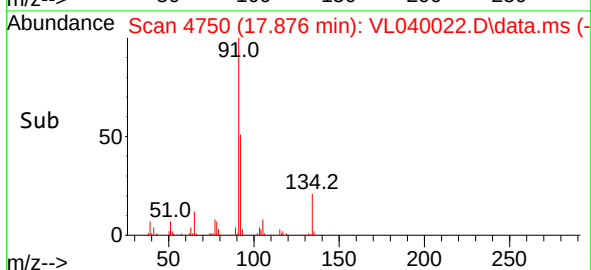
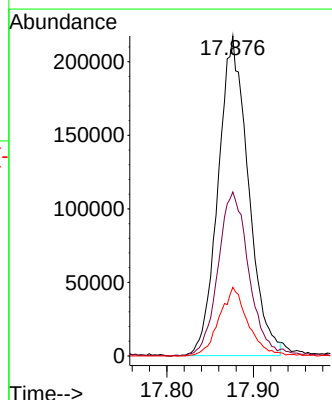
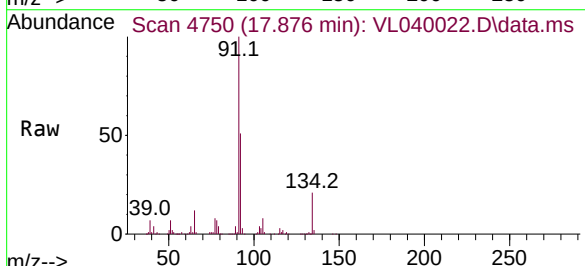
Tgt Ion: 91 Resp: 526011

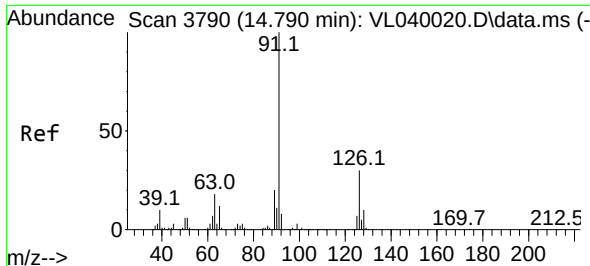
Ion Ratio Lower Upper

91 100

92 53.0 43.2 64.8

134 20.6 17.4 26.2

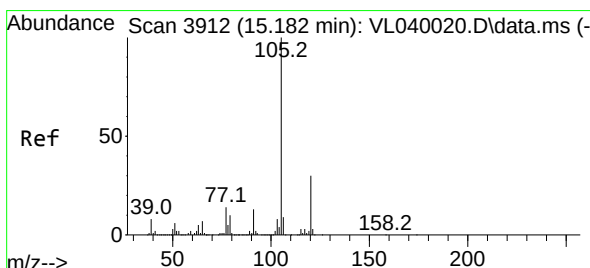
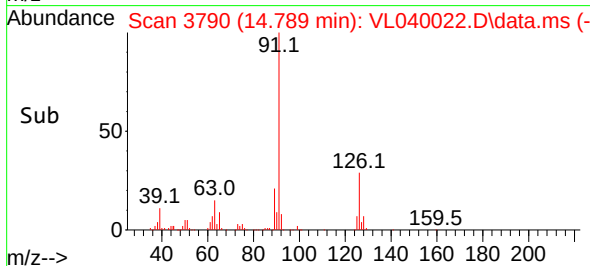
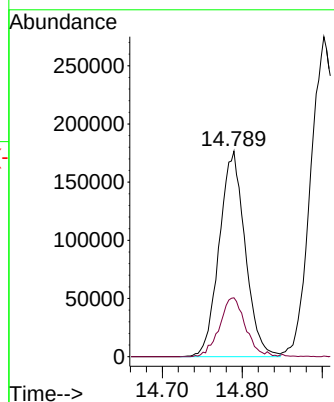
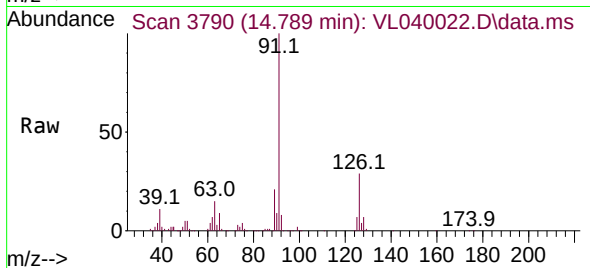




#71
2-Chlorotoluene
Concen: 1.136 ppbv
RT: 14.789 min Scan# 3111
Delta R.T. -0.000 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

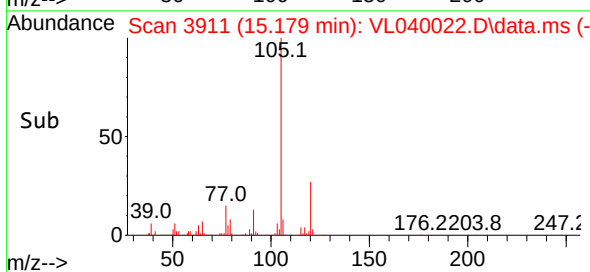
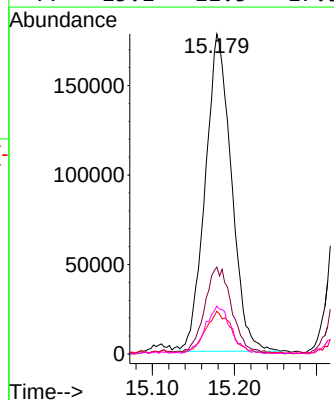
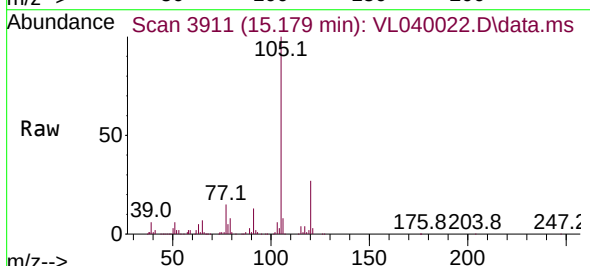
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

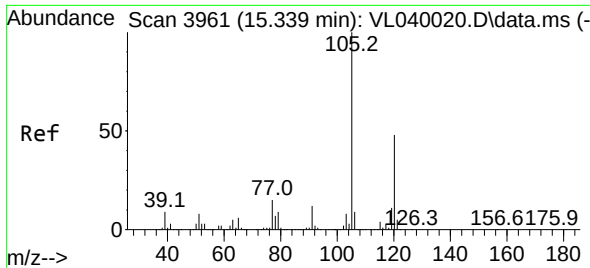
Tgt Ion: 91 Resp: 396688
Ion Ratio Lower Upper
91 100
126 29.2 12.1 48.5



#72
4-Ethyltoluene
Concen: 1.114 ppbv
RT: 15.179 min Scan# 3911
Delta R.T. -0.003 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion: 105 Resp: 392567
Ion Ratio Lower Upper
105 100
120 28.8 23.5 35.3
91 12.6 10.5 15.7
77 15.1 11.5 17.3

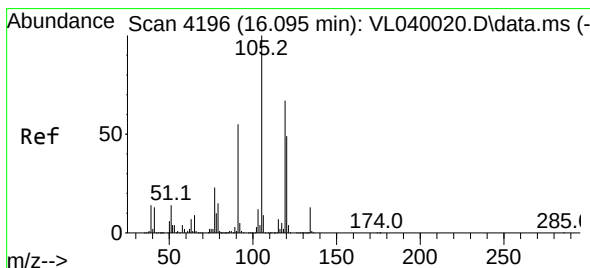
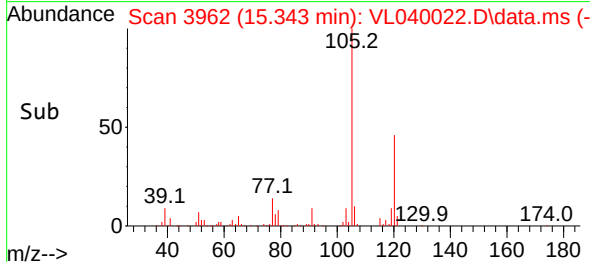
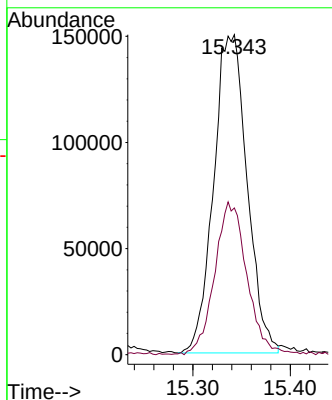
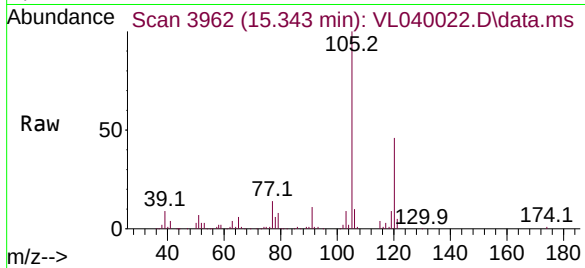




#73
 1,3,5-Trimethylbenzene
 Concen: 1.121 ppbv
 RT: 15.343 min Scan# 3962
 Delta R.T. 0.003 min
 Lab File: VL040022.D
 Acq: 19 Dec 2022 10:53

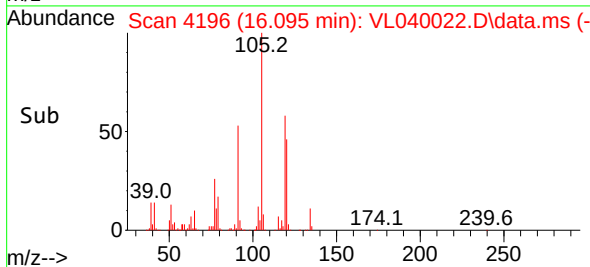
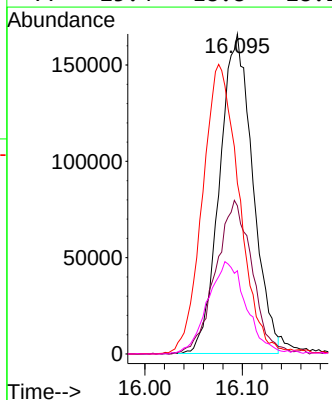
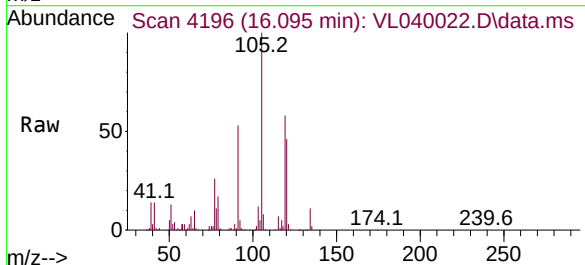
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

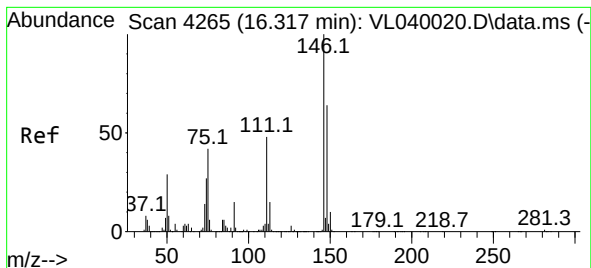
Tgt Ion:105 Resp: 357512
 Ion Ratio Lower Upper
 105 100
 120 45.8 38.4 57.6



#74
 1,2,4-Trimethylbenzene
 Concen: 1.116 ppbv
 RT: 16.095 min Scan# 4196
 Delta R.T. -0.000 min
 Lab File: VL040022.D
 Acq: 19 Dec 2022 10:53

Tgt Ion:105 Resp: 391213
 Ion Ratio Lower Upper
 105 100
 120 45.8 39.3 58.9
 91 51.6 44.2 66.4
 77 25.4 18.8 28.2





#75

1,3-Dichlorobenzene

Concen: 1.120 ppbv

RT: 16.320 min Scan# 4265

Delta R.T. 0.003 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

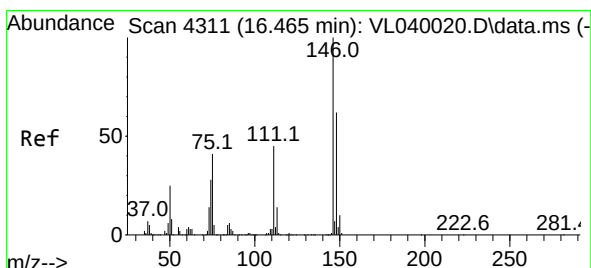
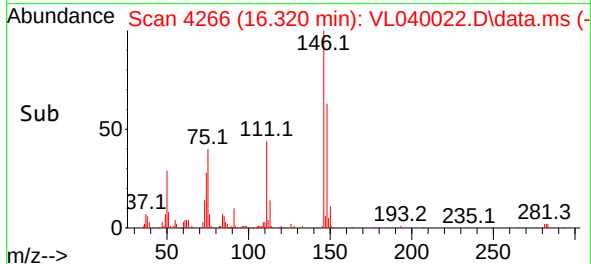
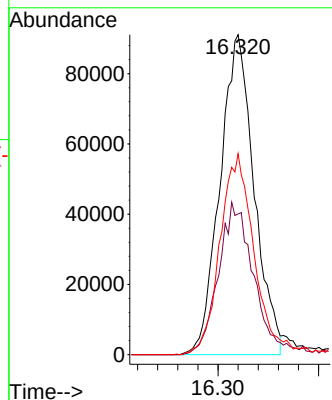
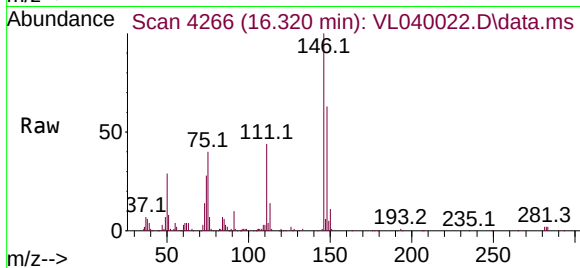
Tgt Ion:146 Resp: 214261

Ion Ratio Lower Upper

146 100

111 49.9 23.9 71.8

148 63.6 32.0 96.2



#76

1,4-Dichlorobenzene

Concen: 0.590 ppbv

RT: 16.465 min Scan# 4311

Delta R.T. -0.000 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

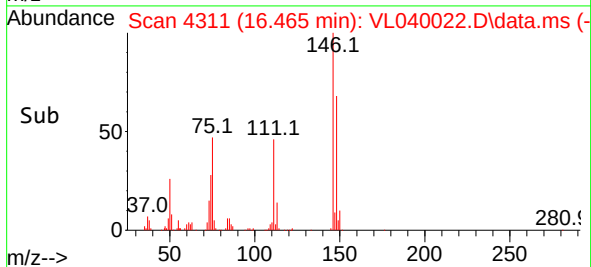
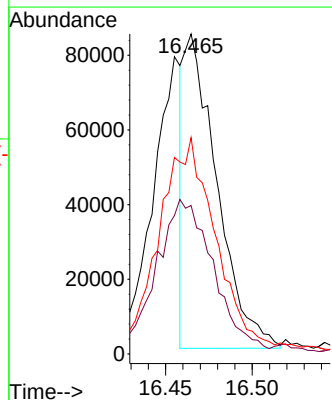
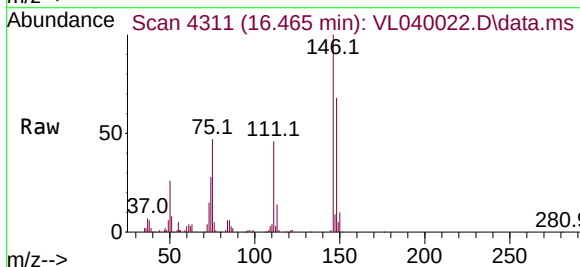
Tgt Ion:146 Resp: 111461

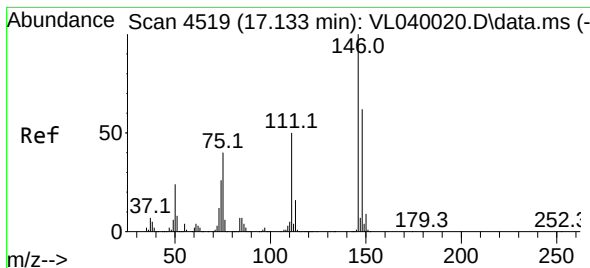
Ion Ratio Lower Upper

146 100

111 0.0 23.4 70.2#

148 125.1 32.0 96.2#





#77

1,2-Dichlorobenzene

Concen: 1.119 ppbv

RT: 17.130 min Scan# 4519

Delta R.T. -0.003 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

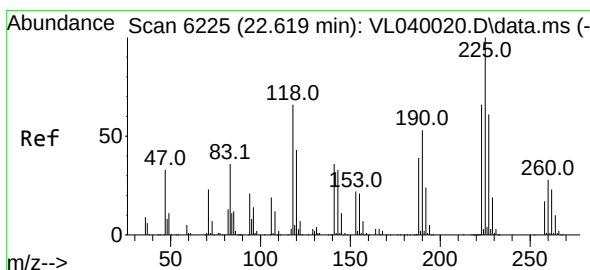
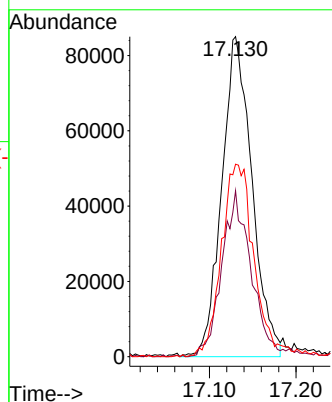
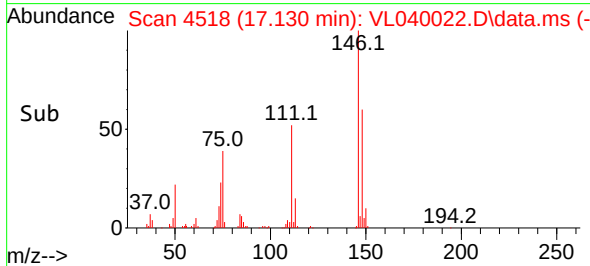
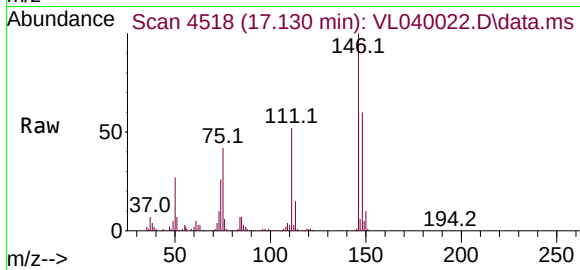
Tgt Ion:146 Resp: 205893

Ion Ratio Lower Upper

146 100

111 51.3 25.3 75.9

148 65.7 31.9 95.9



#78

Hexachloro-1,3-Butadiene

Concen: 0.775 ppbv

RT: 22.622 min Scan# 6226

Delta R.T. 0.003 min

Lab File: VL040022.D

Acq: 19 Dec 2022 10:53

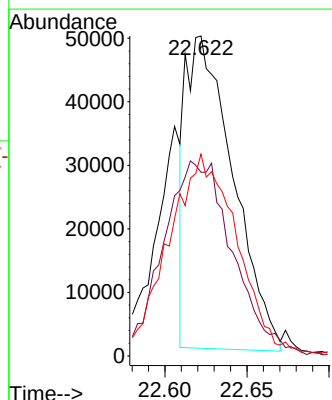
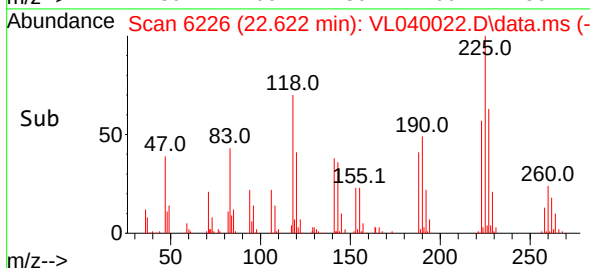
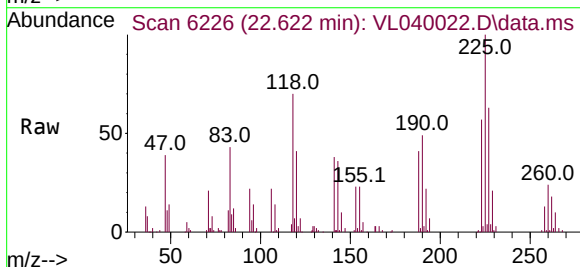
Tgt Ion:225 Resp: 98564

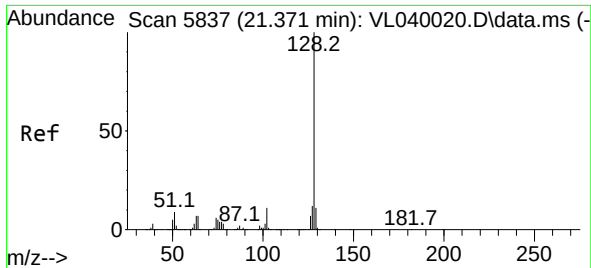
Ion Ratio Lower Upper

225 100

223 93.4 0.0 0.0#

227 95.3 0.0 0.0#

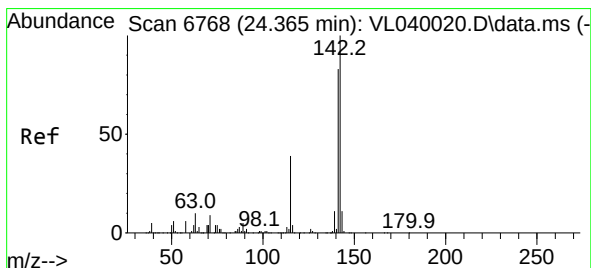
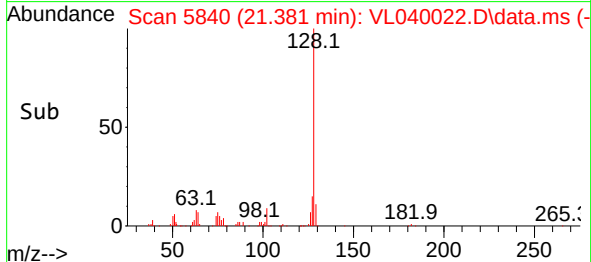
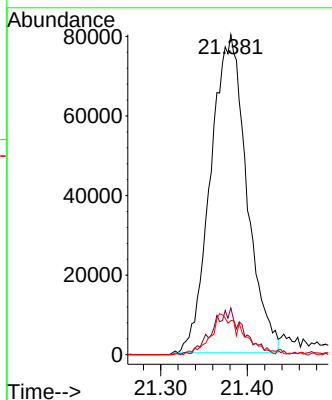
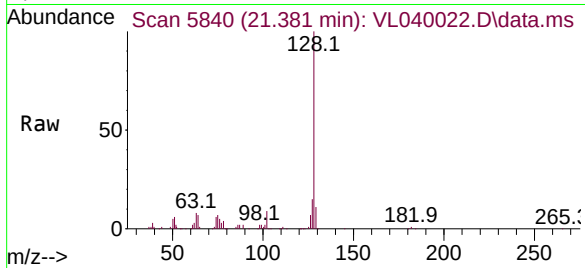




#79
Naphthalene
Concen: 1.112 ppbv
RT: 21.381 min Scan# 5840
Delta R.T. 0.010 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

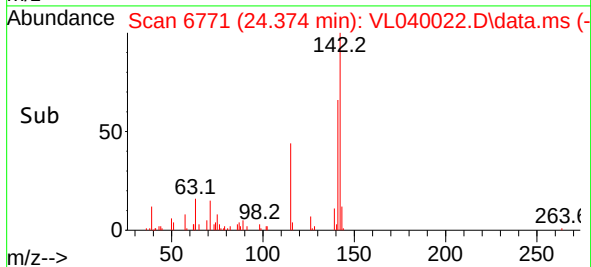
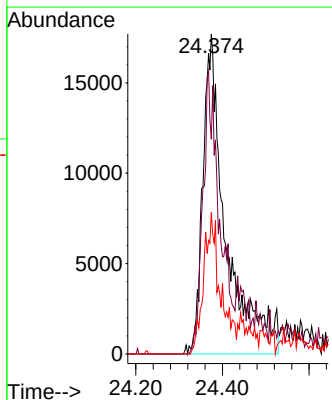
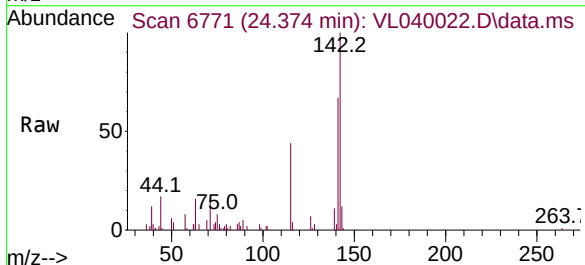
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

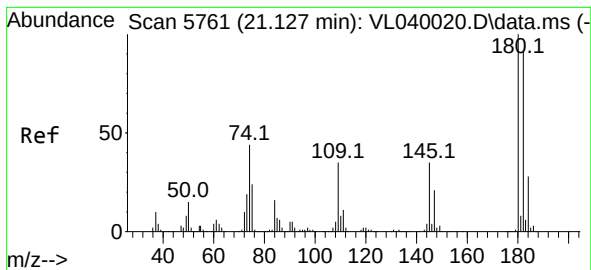
Tgt Ion:128 Resp: 231494
Ion Ratio Lower Upper
128 100
127 14.3 10.0 15.0
129 10.5 8.8 13.2



#80
Naphthalene,2-methyl-
Concen: 1.092 ppbv
RT: 24.374 min Scan# 6771
Delta R.T. 0.010 min
Lab File: VL040022.D
Acq: 19 Dec 2022 10:53

Tgt Ion:142 Resp: 65215
Ion Ratio Lower Upper
142 100
141 65.5 65.3 97.9
115 32.1 31.9 47.9





#81

1,2,4-Trichlorobenzene

Concen: 1.008 ppbv

RT: 21.130 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL040022.D

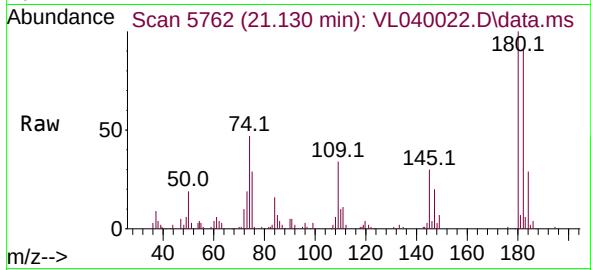
Acq: 19 Dec 2022 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion:180 Resp: 124305

Ion Ratio Lower Upper

180 100

182 107.2 76.6 115.0

184 32.7 24.9 37.3

