

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040021.D
 Acq On : 19 Dec 2022 10:16
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Dec 20 04:21:29 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	1027724	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3010312	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2819748	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2093310	9.719	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	373623	1.942	ppbv	96
3) Chlorodifluoromethane	2.655	51	331168	2.184	ppbv	99
4) Chloromethane	2.796	50	208714	2.197	ppbv	95
5) Vinyl Chloride	2.902	62	174131	2.265	ppbv	94
6) Bromomethane	3.102	94	59769	2.116	ppbv	91
7) Chloroethane	3.179	64	62137	2.142	ppbv	98
8) Dichlorotetrafluoroethane	2.838	85	441470	2.181	ppbv	100
9) Propene	2.674	41	141610	2.201	ppbv	95
10) Heptane	7.561	43	352618	2.249	ppbv	98
11) Trichlorofluoromethane	3.542	101	463233	2.216	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.047	101	347043	2.192	ppbv	99
13) Ethanol	3.227	45	9893	1.820	ppbv	# 44
14) Bromoethene	3.346	108	128835	2.161	ppbv	94
15) Acetone	3.452	43	365958	2.302	ppbv	97
16) 1,3-Butadiene	2.967	39	164724	2.384	ppbv	100
17) tert-Butyl alcohol	3.864	59	332409	2.136	ppbv	98
18) 1,1-Dichloroethene	3.861	96	153707	2.231	ppbv	88
19) Isopropyl Alcohol	3.565	45	174556	2.228	ppbv	# 95
20) Methylene Chloride	3.915	84	149987	2.219	ppbv	96
21) Allyl Chloride	3.976	41	212385	2.223	ppbv	99
22) trans-1,2-Dichloroethene	4.427	96	148825	2.167	ppbv	94
23) Vinyl Acetate	4.610	43	98194	1.948	ppbv	# 97
24) 1,1-Dichloroethane	4.546	63	327185	2.210	ppbv	98
25) Ethyl Acetate	5.185	43	609811	2.215	ppbv	99
26) Hexane	5.195	57	257657	2.227	ppbv	96
27) Carbon Disulfide	4.108	76	326420	2.236	ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	304359	2.232	ppbv	100
29) Chloroform	5.256	83	380604	2.155	ppbv	98
30) Cyclohexane	6.584	84	232628	2.270	ppbv	94
31) cis-1,2-Dichloroethene	5.057	61	234515	2.128	ppbv	91
32) 1,1,1-Trichloroethane	5.983	97	445704	2.350	ppbv	99
34) 2-Butanone	4.771	43	366782	2.308	ppbv	98
35) Carbon Tetrachloride	6.478	117	441703	2.359	ppbv	100
36) Benzene	6.349	78	606672	2.257	ppbv	99
37) 1,2-Dichloroethane	5.787	62	358418	2.273	ppbv	99
38) Trichloroethene	7.275	130	329383	2.371	ppbv	92
39) 1,2-Dichloropropane	7.053	63	226397	2.247	ppbv	95
40) 1,4-Dioxane	7.282	88	72878	1.595	ppbv	# 1
41) Tetrahydrofuran	5.545	42	106267	1.077	ppbv	# 32
42) Bromodichloromethane	7.227	83	485434	2.251	ppbv	94
43) Methyl Methacrylate	7.459	69	231534	2.295	ppbv	100
44) 2,2,4-Trimethylpentane	7.307	57	1007975	2.277	ppbv	100
45) t-1,3-Dichloropropene	8.690	75	184612	2.165	ppbv	91

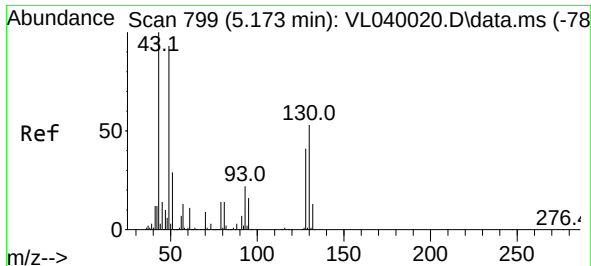
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040021.D
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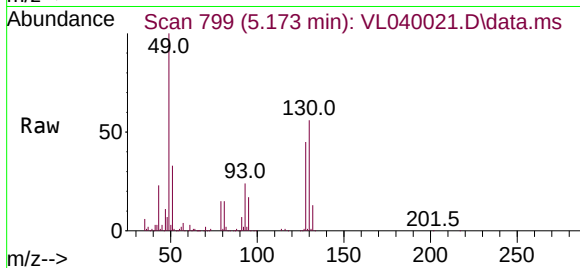
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	270584	2.250	ppbv	96
47) 1,1,2-Trichloroethane	8.880	97	249427	2.262	ppbv	95
48) Dibromochloromethane	9.693	129	380104	2.262	ppbv	100
49) Bromoform	12.388	173	290184	2.267	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	616955	2.312	ppbv	100
51) 2-Hexanone	9.542	43	477909	2.310	ppbv #	99
52) Tetrachloroethene	10.600	164	206385	2.243	ppbv	98
53) Toluene	9.204	91	676531	2.273	ppbv	100
54) 1,2-Dibromoethane	9.992	107	280198	2.374	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.491	131	291832	2.242	ppbv #	1
57) Chlorobenzene	11.510	112	528541	2.208	ppbv	95
58) Ethyl Benzene	12.076	91	920923	2.299	ppbv	97
59) m/p-Xylene	12.359	91	836246	2.396	ppbv #	42
60) o-Xylene	13.040	91	765089	2.289	ppbv	98
61) Styrene	12.883	104	411314	2.308	ppbv	98
62) Isopropylbenzene	14.018	105	1093310	2.268	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.034	83	294274	2.393	ppbv	99
64) n-propylbenzene	14.902	120	280044	2.308	ppbv	96
65) tert-Butylbenzene	16.076	119	968146	2.313	ppbv	98
66) Benzyl Chloride	16.310	91	20435	0.940	ppbv #	61
67) sec-Butylbenzene	16.622	105	1368148	2.330	ppbv	100
69) p-Isopropyltoluene	16.982	119	1113169	2.374	ppbv	99
70) n-Butylbenzene	17.873	91	1174066	2.396	ppbv	97
71) 2-Chlorotoluene	14.786	91	848098	2.306	ppbv	99
72) 4-Ethyltoluene	15.179	105	848637	2.286	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	767082	2.284	ppbv	92
74) 1,2,4-Trimethylbenzene	16.095	105	854017	2.314	ppbv	96
75) 1,3-Dichlorobenzene	16.320	146	218995	1.087	ppbv #	14
76) 1,4-Dichlorobenzene	16.461	146	443213	2.228	ppbv	98
77) 1,2-Dichlorobenzene	17.127	146	441061	2.275	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	313552	2.340	ppbv #	100
79) Naphthalene	21.378	128	264349	1.206	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	147853	2.350	ppbv	94
81) 1,2,4-Trichlorobenzene	21.130	180	158103	1.218	ppbv #	12

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



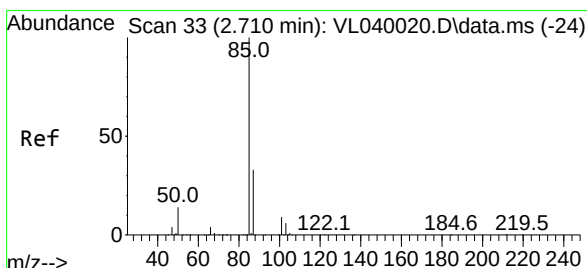
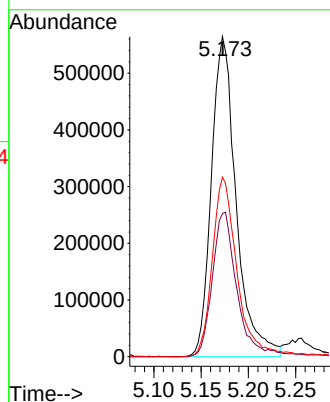
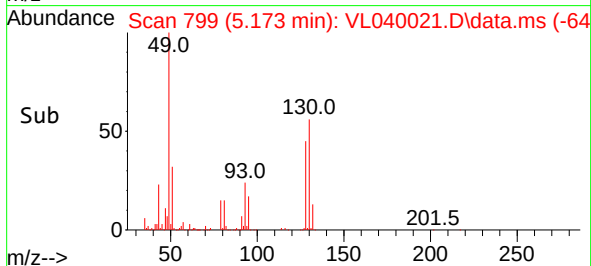
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.173 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

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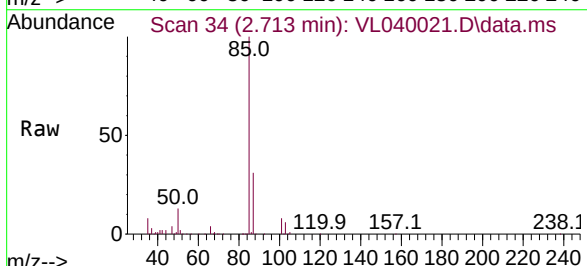


Tgt Ion: 49 Resp: 1027724

Ion	Ratio	Lower	Upper
49	100		
128	45.8	22.4	67.3
130	56.6	28.9	86.8

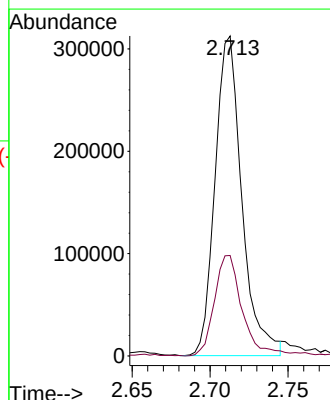
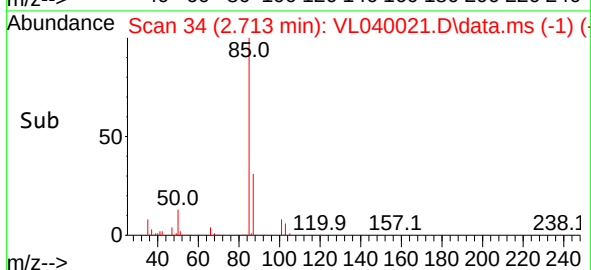


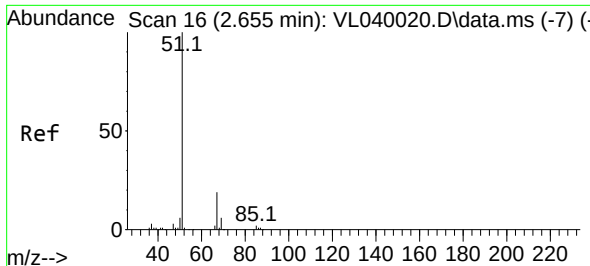
#2
 Dichlorodifluoromethane
 Concen: 1.942 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. 0.003 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16



Tgt Ion: 85 Resp: 373623

Ion	Ratio	Lower	Upper
85	100		
87	31.3	26.6	40.0

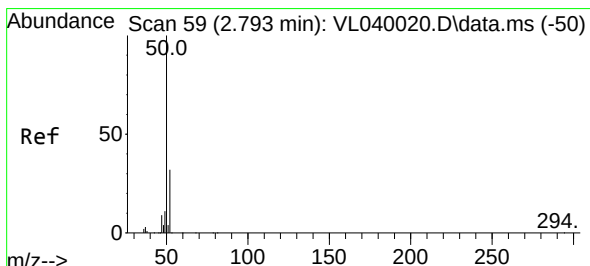
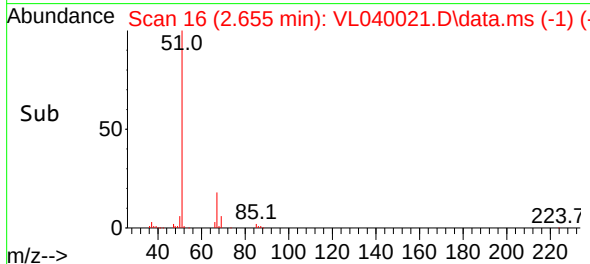
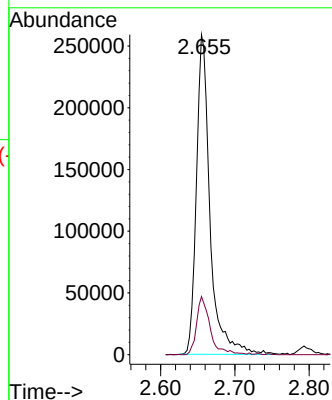
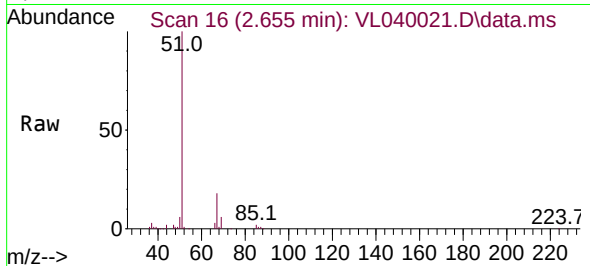




#3
Chlorodifluoromethane
Concen: 2.184 ppbv
RT: 2.655 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

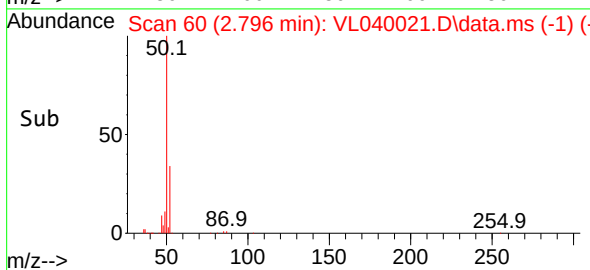
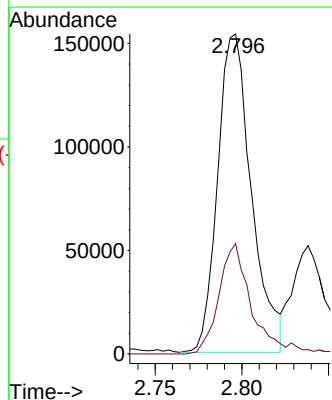
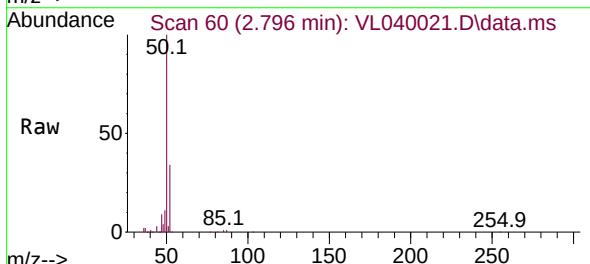
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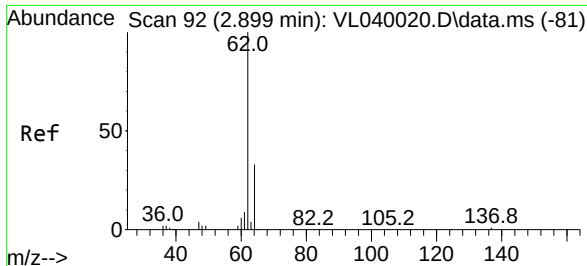
Tgt Ion: 51 Resp: 331168
Ion Ratio Lower Upper
51 100
67 18.4 15.3 22.9



#4
Chloromethane
Concen: 2.197 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 50 Resp: 208714
Ion Ratio Lower Upper
50 100
52 34.9 25.5 38.3

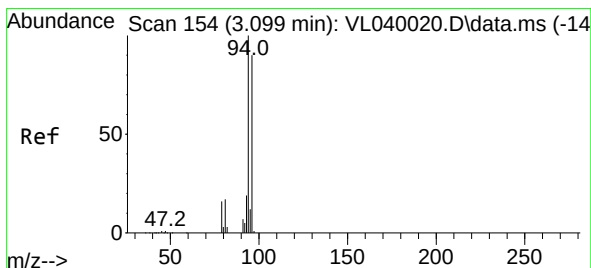
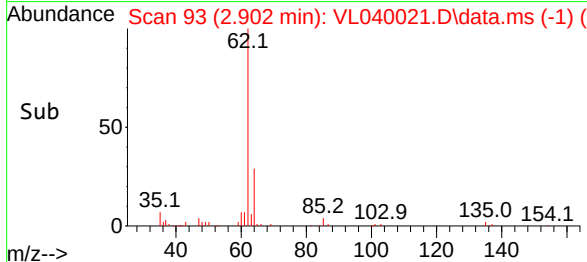
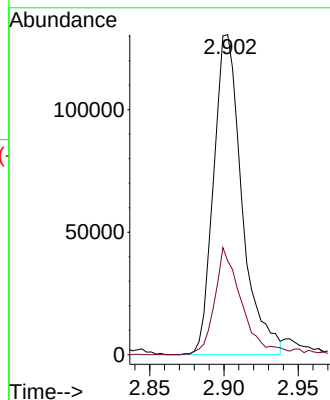
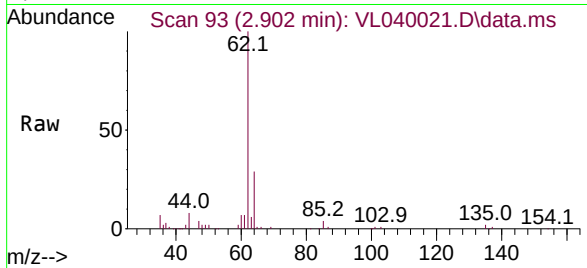




#5
 Vinyl Chloride
 Concen: 2.265 ppbv
 RT: 2.902 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

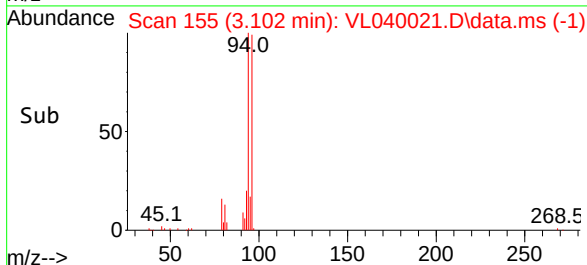
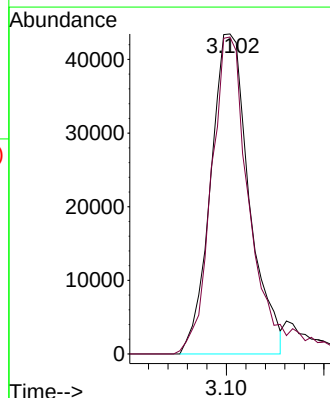
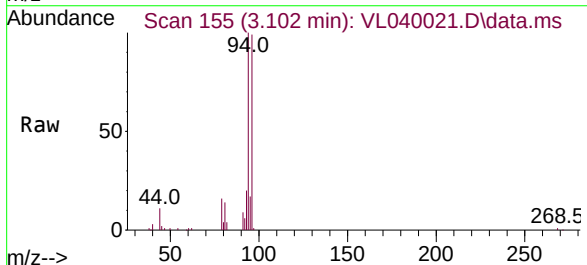
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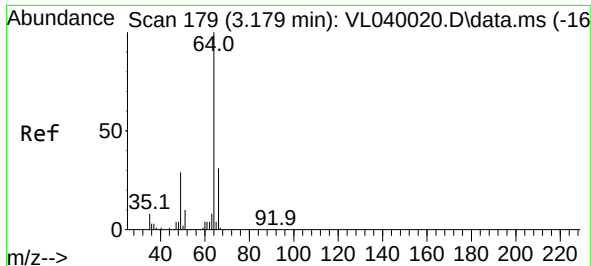
Tgt Ion: 62 Resp: 174131
 Ion Ratio Lower Upper
 62 100
 64 29.2 26.1 39.1



#6
 Bromomethane
 Concen: 2.116 ppbv
 RT: 3.102 min Scan# 155
 Delta R.T. 0.003 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

Tgt Ion: 94 Resp: 59769
 Ion Ratio Lower Upper
 94 100
 96 98.1 72.0 108.0

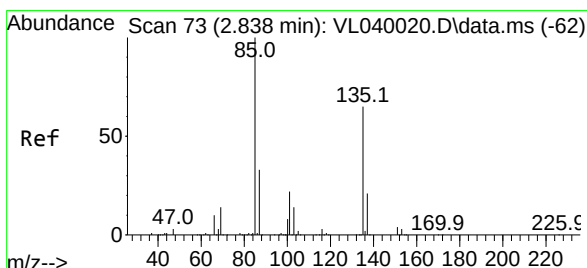
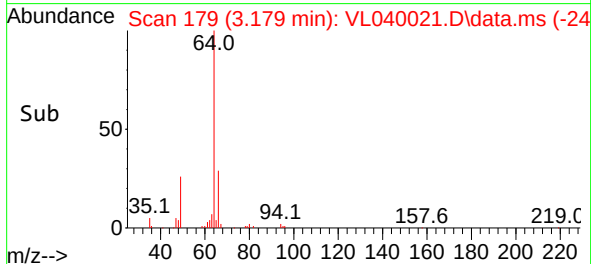
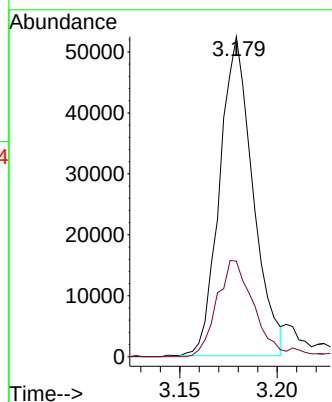
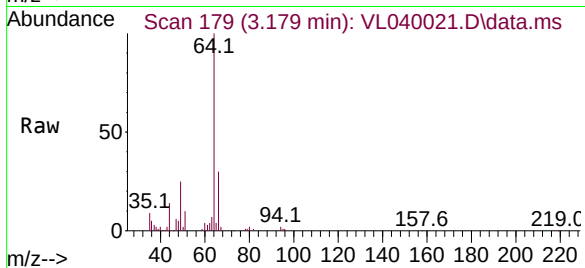




#7
Chloroethane
Concen: 2.142 ppbv
RT: 3.179 min Scan# 179
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

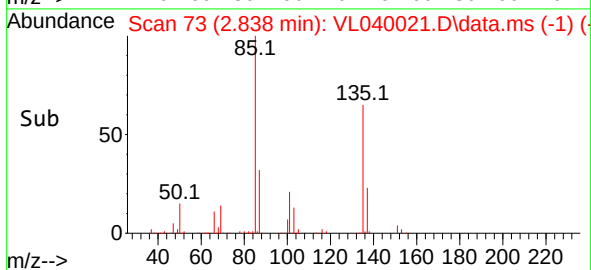
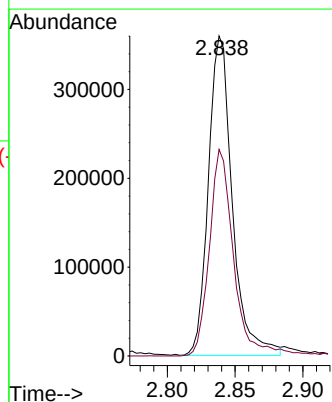
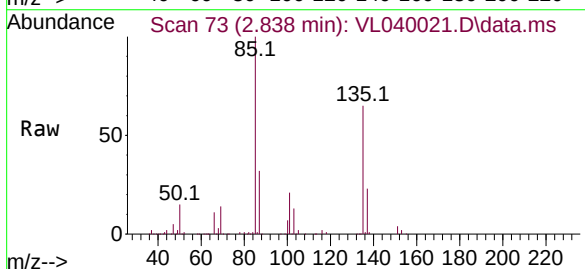
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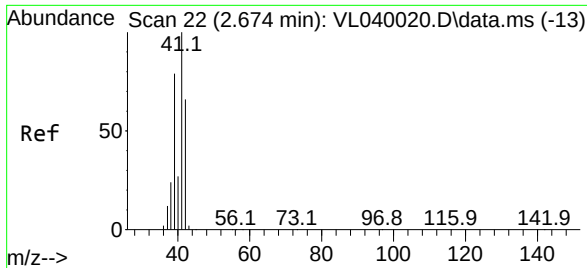
Tgt Ion: 64 Resp: 62137
Ion Ratio Lower Upper
64 100
66 29.8 24.6 37.0



#8
Dichlorotetrafluoroethane
Concen: 2.181 ppbv
RT: 2.838 min Scan# 73
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 85 Resp: 441470
Ion Ratio Lower Upper
85 100
135 66.8 53.2 79.8

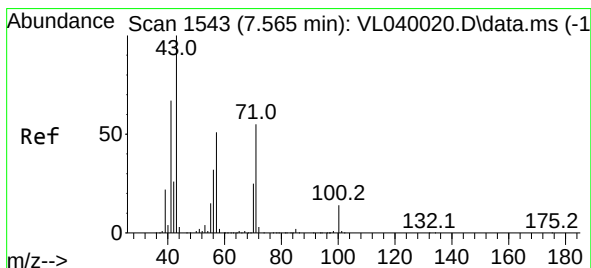
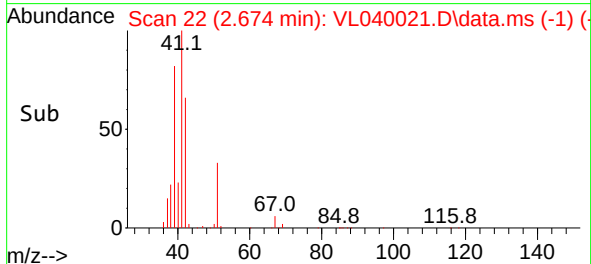
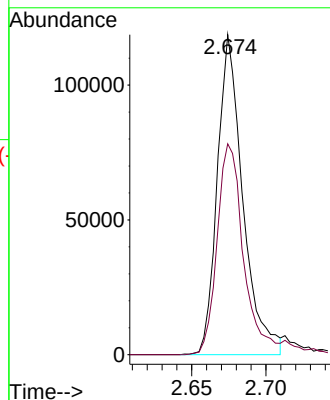
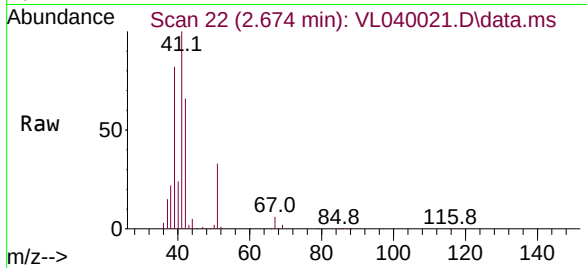




#9
 Propene
 Concen: 2.201 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

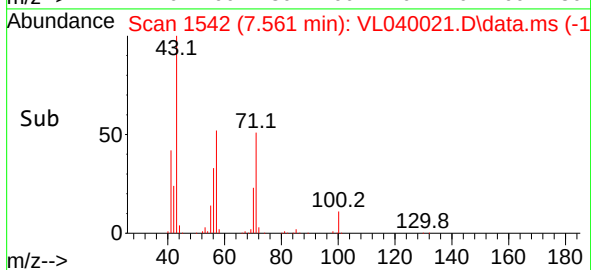
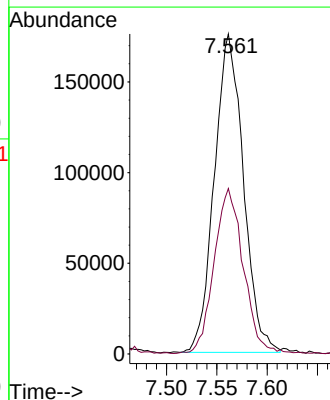
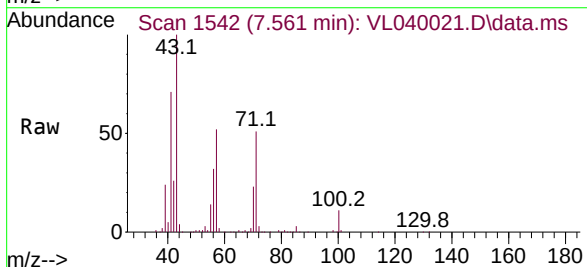
Instrument :
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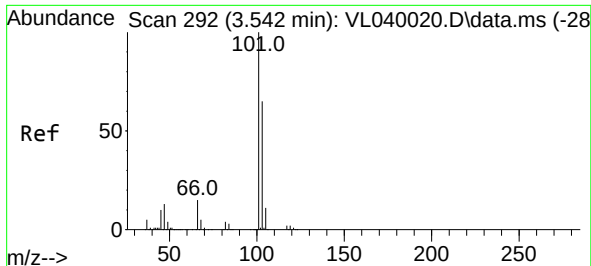
Tgt Ion: 41 Resp: 141610
 Ion Ratio Lower Upper
 41 100
 42 72.2 54.8 82.2



#10
 Heptane
 Concen: 2.249 ppbv
 RT: 7.561 min Scan# 1542
 Delta R.T. -0.003 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

Tgt Ion: 43 Resp: 352618
 Ion Ratio Lower Upper
 43 100
 57 53.0 41.2 61.8

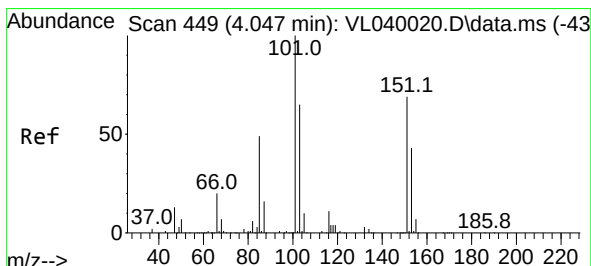
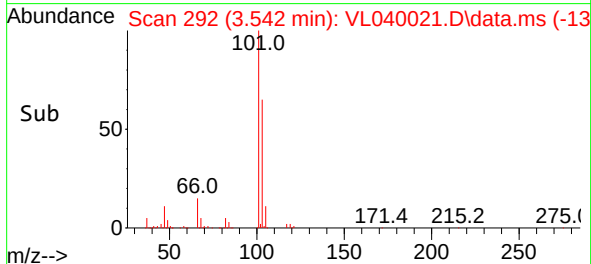
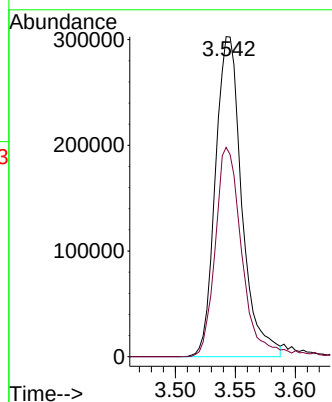
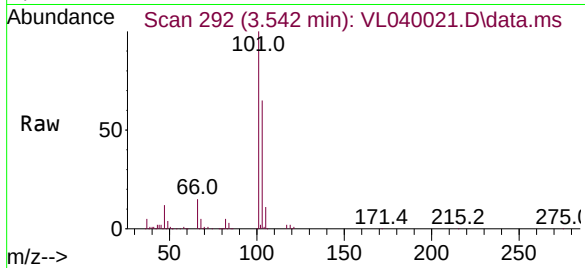




#11
 Trichlorofluoromethane
 Concen: 2.216 ppbv
 RT: 3.542 min Scan# 292
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

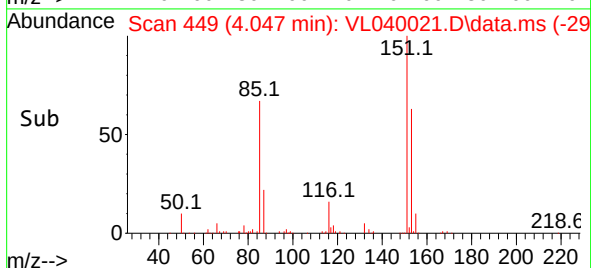
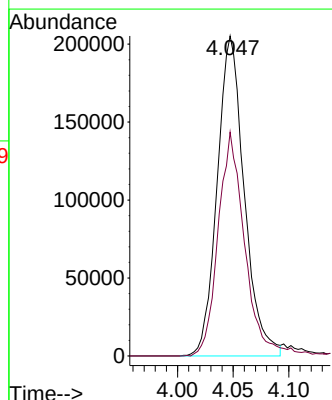
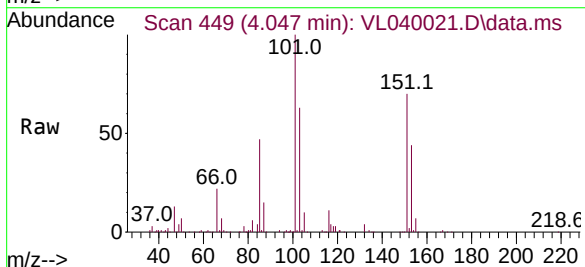
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 ClientSampleId :
 VSTDIC002

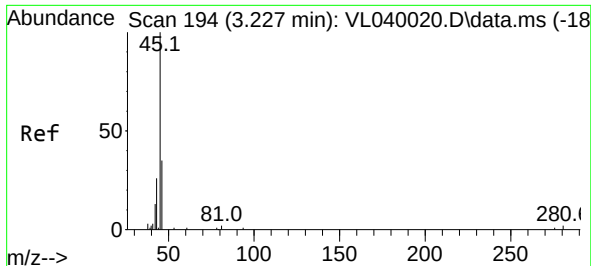
Tgt Ion:101 Resp: 463233
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.192 ppbv
 RT: 4.047 min Scan# 449
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

Tgt Ion:101 Resp: 347043
 Ion Ratio Lower Upper
 101 100
 151 69.7 55.0 82.4

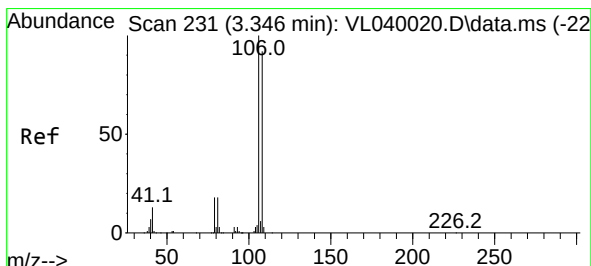
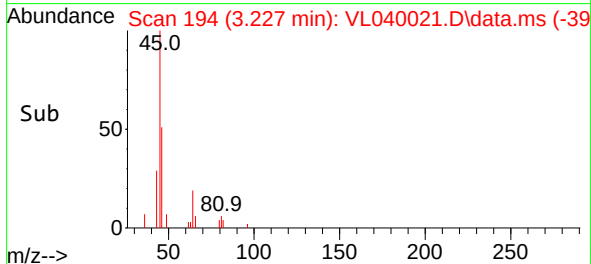
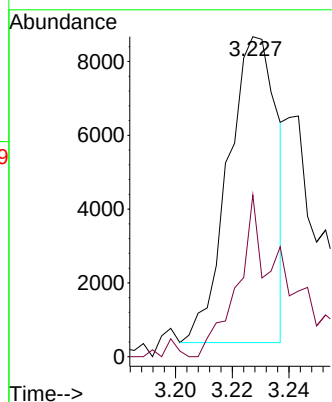
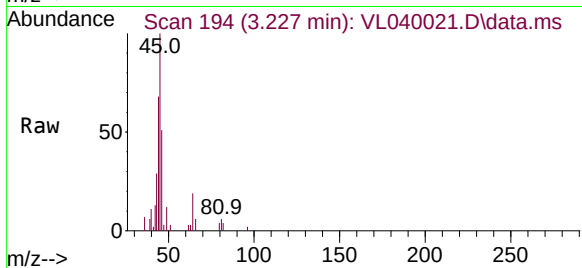




#13
Ethanol
Concen: 1.820 ppbv
RT: 3.227 min Scan# 194
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

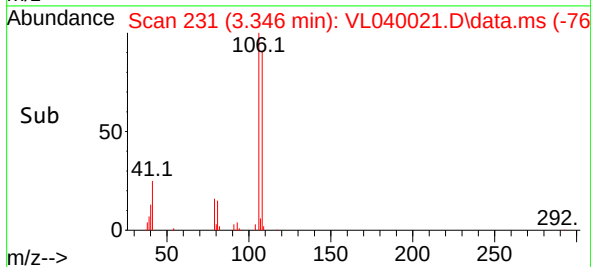
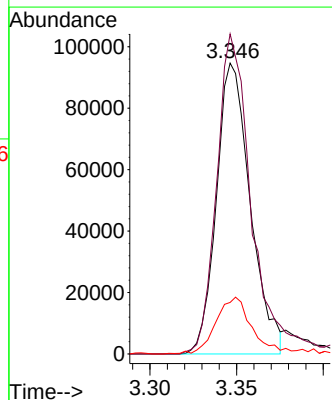
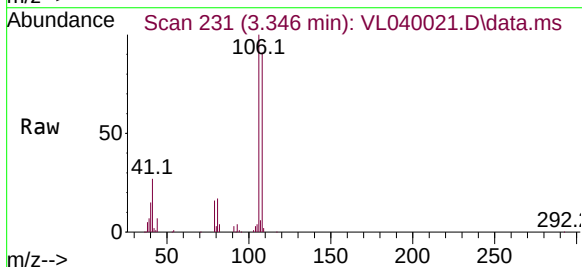
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

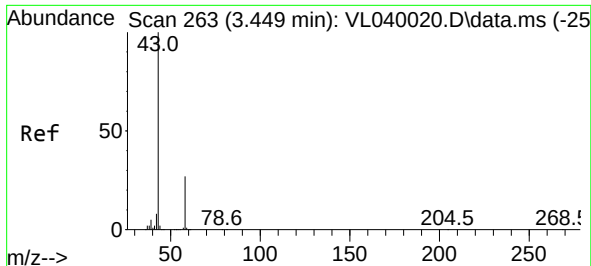
Tgt Ion: 45 Resp: 9893
Ion Ratio Lower Upper
45 100
46 66.4 13.7 54.7#



#14
Bromoethene
Concen: 2.161 ppbv
RT: 3.346 min Scan# 231
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 108 Resp: 128835
Ion Ratio Lower Upper
108 100
106 115.8 87.5 131.3
79 21.9 15.8 23.8

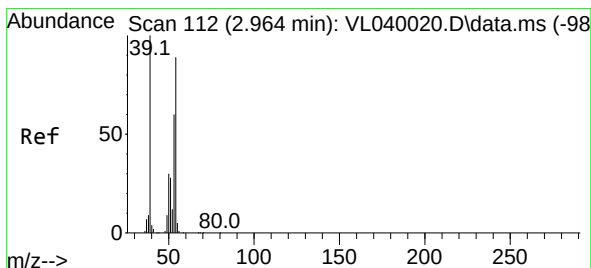
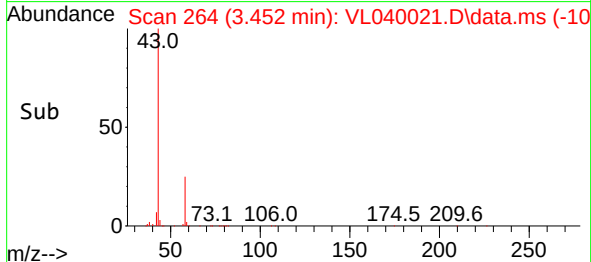
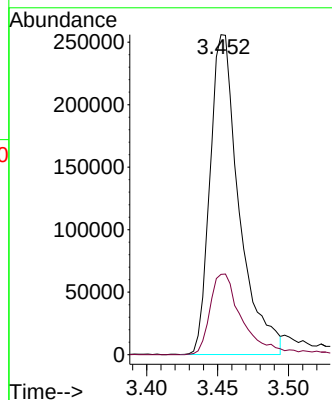
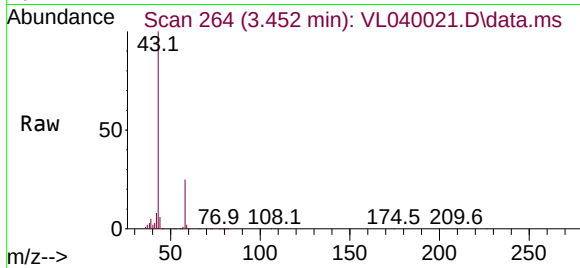




#15
Acetone
Concen: 2.302 ppbv
RT: 3.452 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

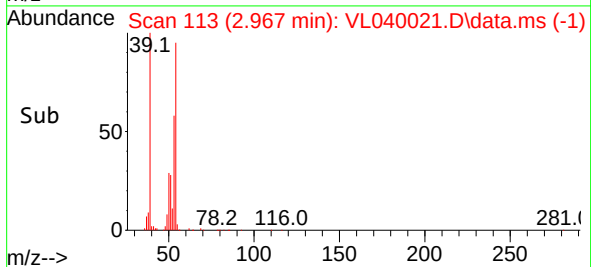
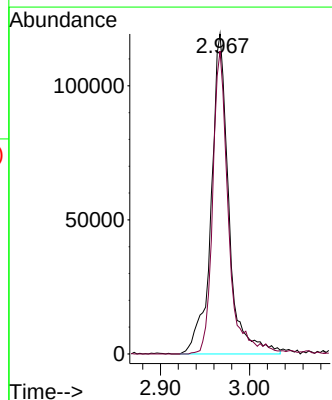
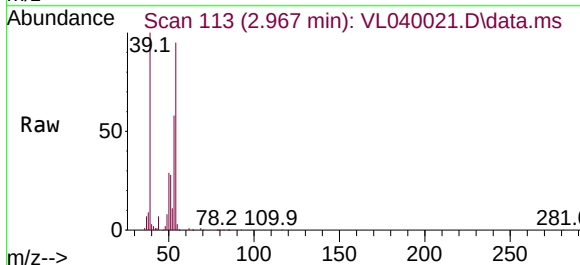
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

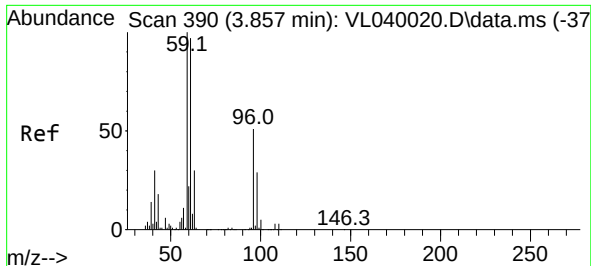
Tgt Ion: 43 Resp: 365958
Ion Ratio Lower Upper
43 100
58 29.1 21.8 32.8



#16
1,3-Butadiene
Concen: 2.384 ppbv
RT: 2.967 min Scan# 113
Delta R.T. 0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 39 Resp: 164724
Ion Ratio Lower Upper
39 100
54 85.7 68.3 102.5

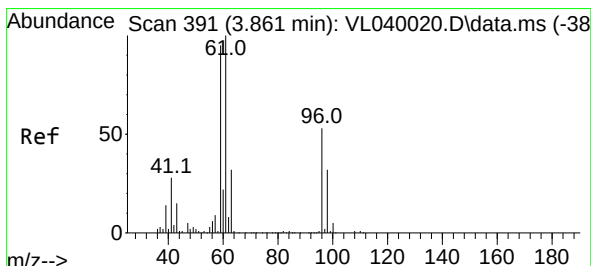
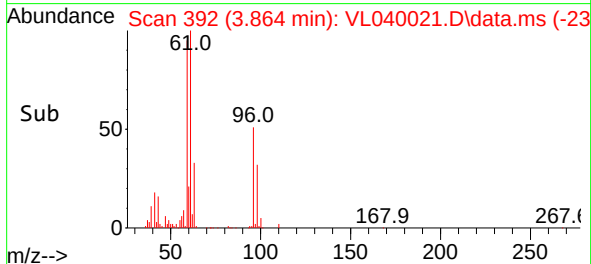
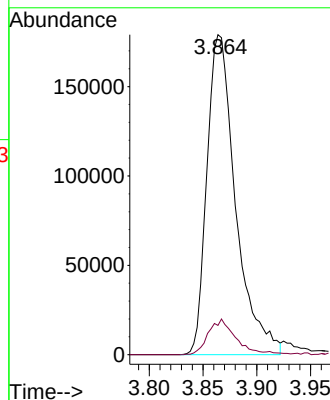
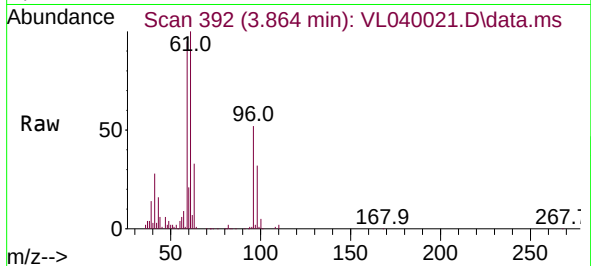




#17
tert-Butyl alcohol
Concen: 2.136 ppbv
RT: 3.864 min Scan# 391
Delta R.T. 0.006 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

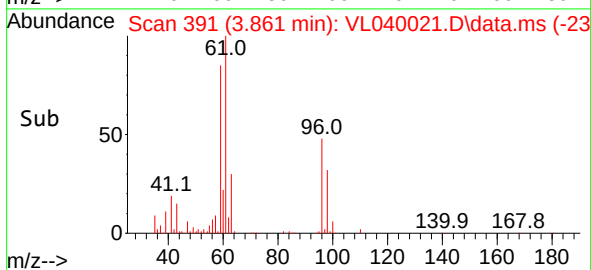
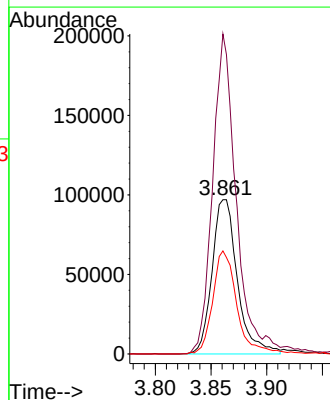
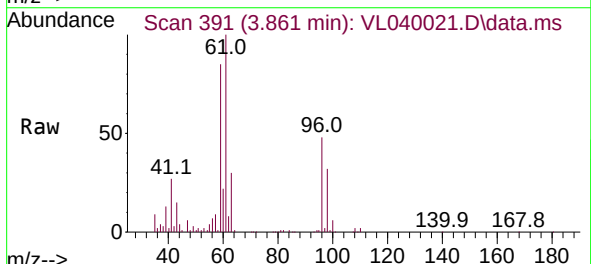
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

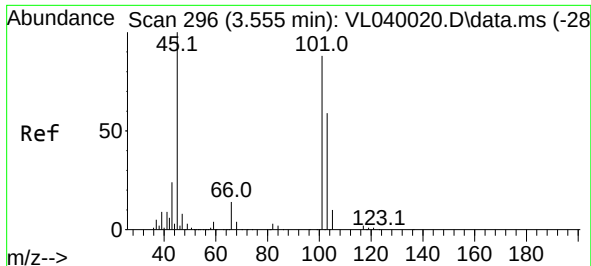
Tgt Ion: 59 Resp: 332409
Ion Ratio Lower Upper
59 100
57 11.1 8.4 12.6



#18
1,1-Dichloroethene
Concen: 2.231 ppbv
RT: 3.861 min Scan# 391
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 96 Resp: 153707
Ion Ratio Lower Upper
96 100
61 207.4 151.0 226.6
98 66.8 47.7 71.5





#19

Isopropyl Alcohol

Concen: 2.228 ppbv

RT: 3.565 min Scan# 296

Delta R.T. 0.010 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

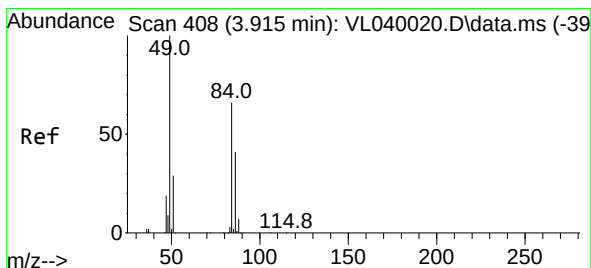
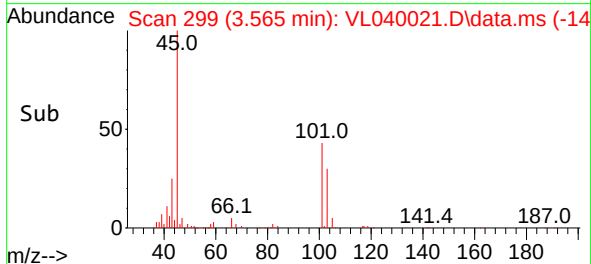
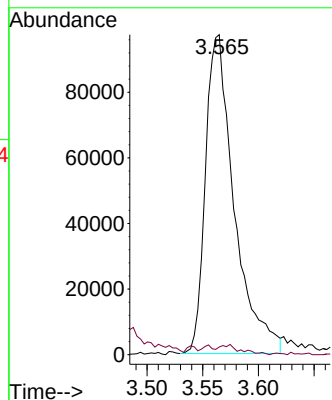
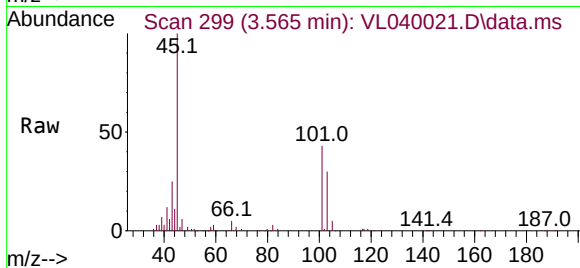
VSTDICC002

Tgt Ion: 45 Resp: 174556

Ion Ratio Lower Upper

45 100

58 3.9 1.7 2.5#



#20

Methylene Chloride

Concen: 2.219 ppbv

RT: 3.915 min Scan# 408

Delta R.T. -0.000 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Tgt Ion: 84 Resp: 149987

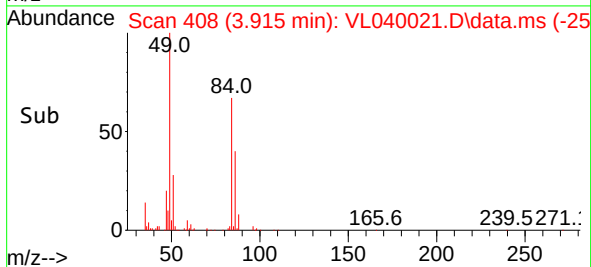
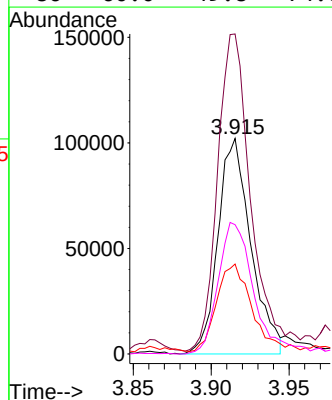
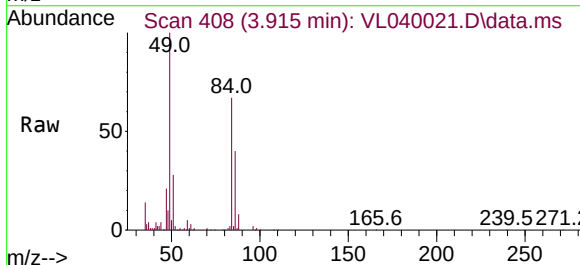
Ion Ratio Lower Upper

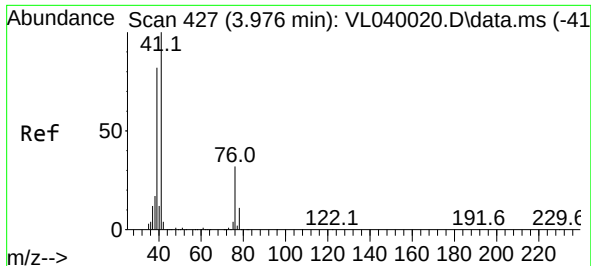
84 100

49 146.7 120.5 180.7

51 39.8 35.2 52.8

86 60.0 49.8 74.6





#21

Allyl Chloride

Concen: 2.223 ppbv

RT: 3.976 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

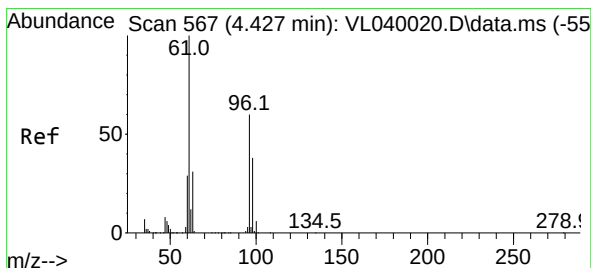
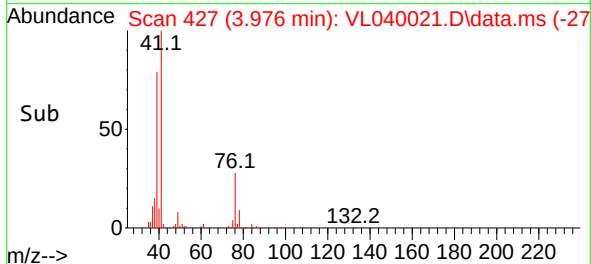
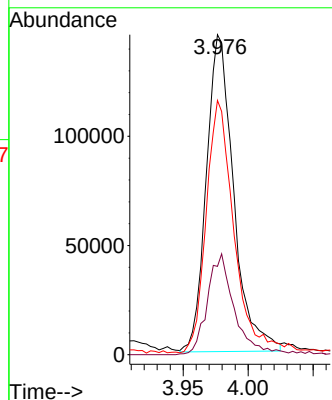
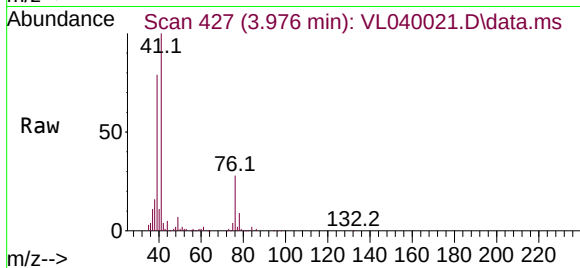
Tgt Ion: 41 Resp: 212385

Ion Ratio Lower Upper

41 100

76 32.0 25.9 38.9

39 84.0 66.0 99.0



#22

trans-1,2-Dichloroethene

Concen: 2.167 ppbv

RT: 4.427 min Scan# 567

Delta R.T. -0.000 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

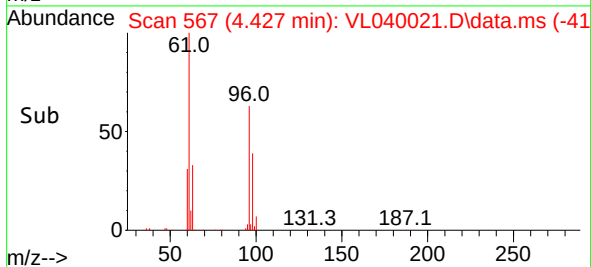
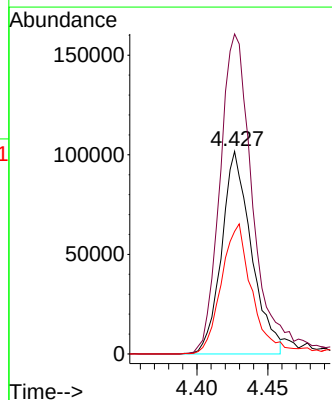
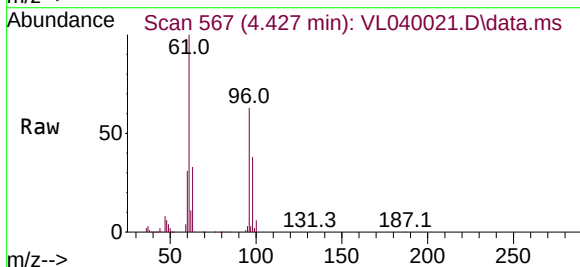
Tgt Ion: 96 Resp: 148825

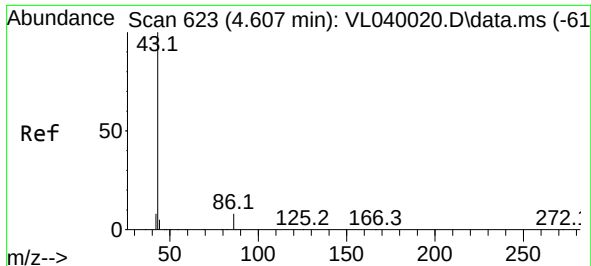
Ion Ratio Lower Upper

96 100

61 157.9 133.6 200.4

98 60.5 51.4 77.0

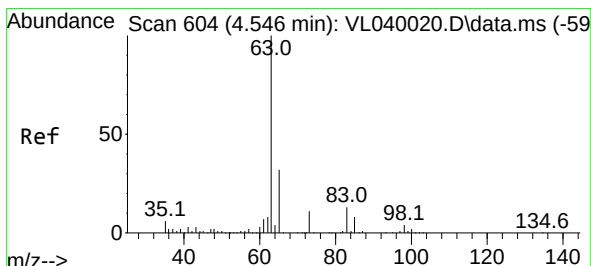
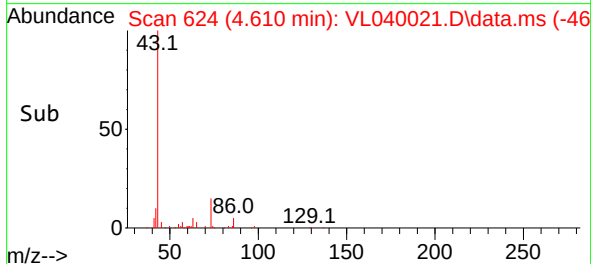
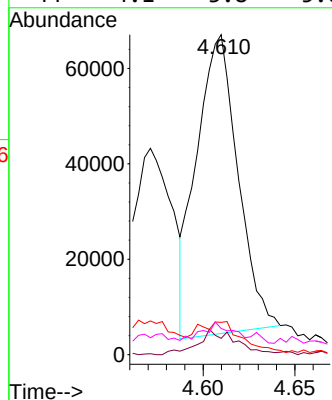
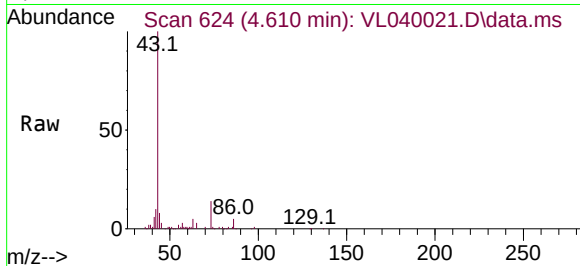




#23
 Vinyl Acetate
 Concen: 1.948 ppbv
 RT: 4.610 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

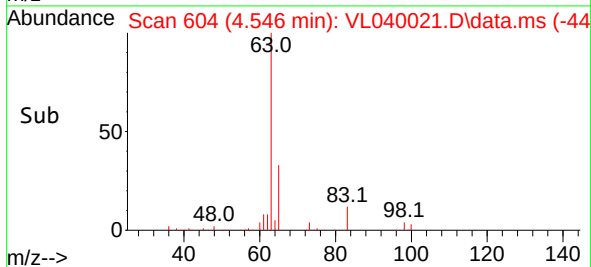
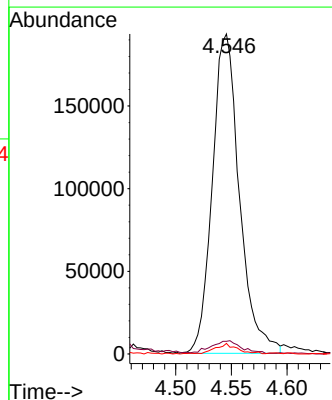
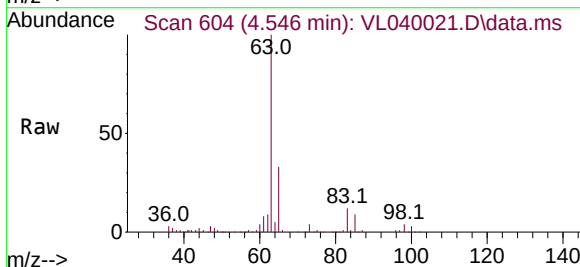
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

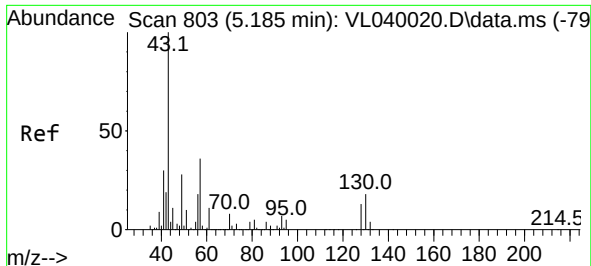
Tgt Ion:	43	Resp:	98194
Ion	Ratio	Lower	Upper
43	100		
86	4.8	5.3	7.9#
42	9.6	7.4	11.0
44	4.1	3.8	5.6



#24
 1,1-Dichloroethane
 Concen: 2.210 ppbv
 RT: 4.546 min Scan# 604
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

Tgt Ion:	63	Resp:	327185
Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.1	6.2
100	3.3	1.1	3.3



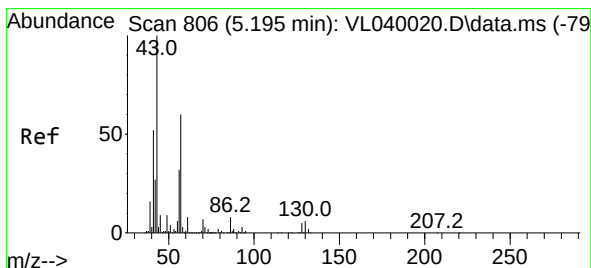
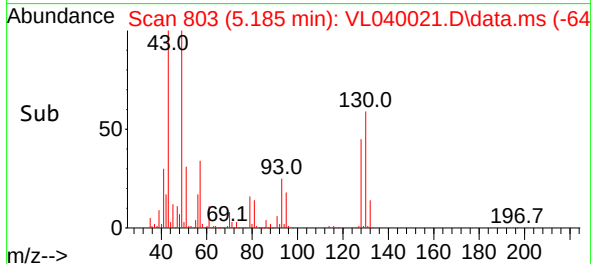
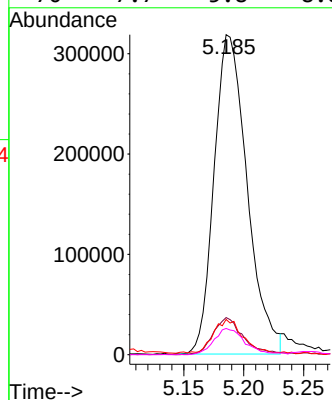
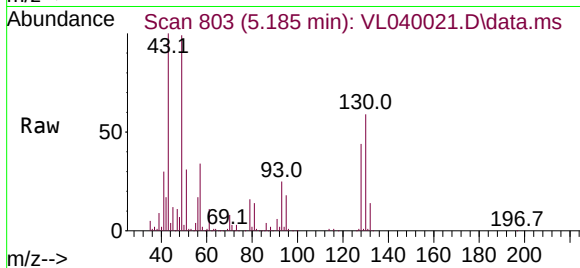


#25
Ethyl Acetate
Concen: 2.215 ppbv
RT: 5.185 min Scan# 803
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

Tgt Ion: 43 Resp: 609811

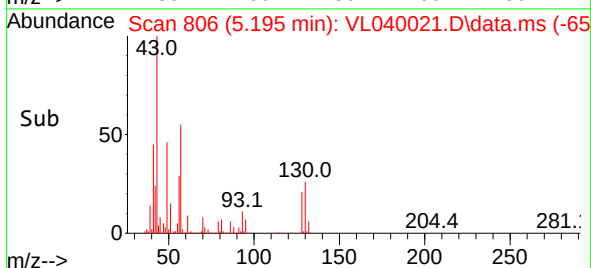
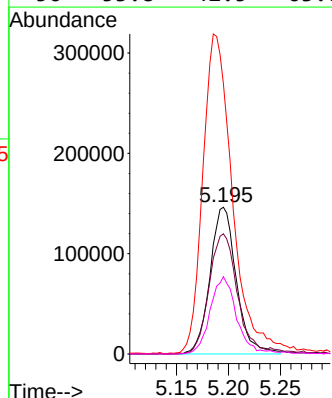
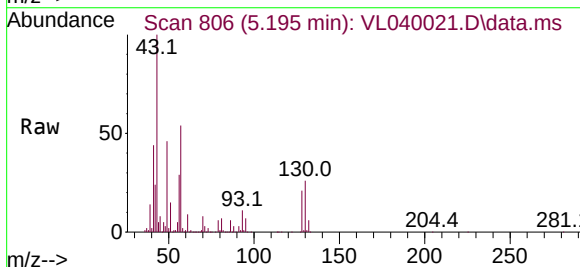
Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.6	12.8
61	10.4	8.5	12.7
70	7.7	5.8	8.8

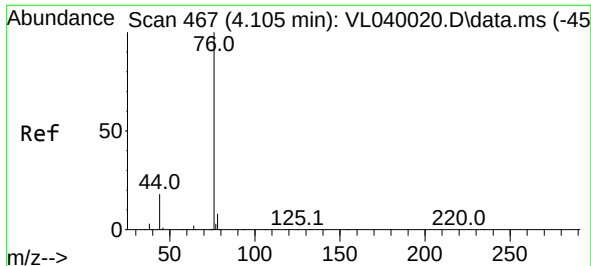


#26
Hexane
Concen: 2.227 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 57 Resp: 257657

Ion	Ratio	Lower	Upper
57	100		
41	90.7	72.1	108.1
43	249.7	192.1	288.1
56	53.8	42.5	63.7





#27

Carbon Disulfide

Concen: 2.236 ppbv

RT: 4.108 min Scan# 4

Delta R.T. 0.003 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

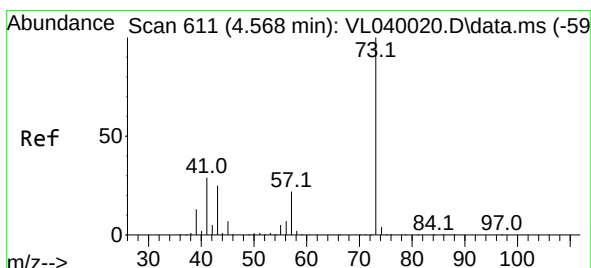
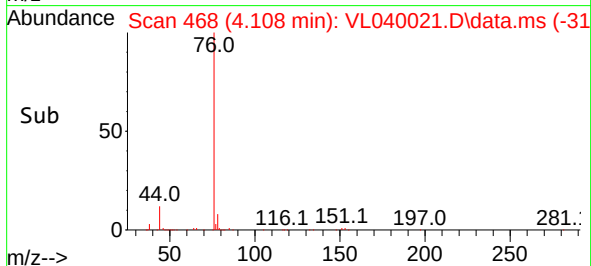
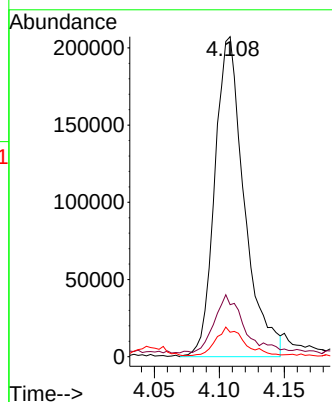
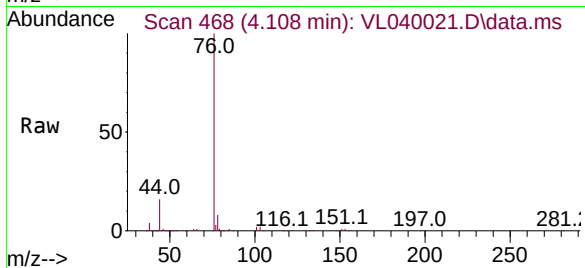
Tgt Ion: 76 Resp: 326420

Ion Ratio Lower Upper

76 100

44 18.8 15.3 22.9

78 10.6 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 2.232 ppbv

RT: 4.571 min Scan# 612

Delta R.T. 0.003 min

Lab File: VL040021.D

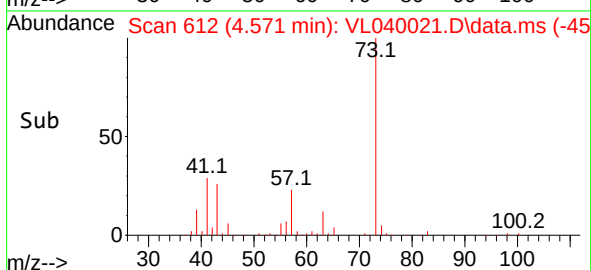
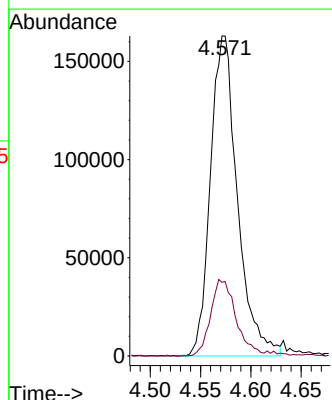
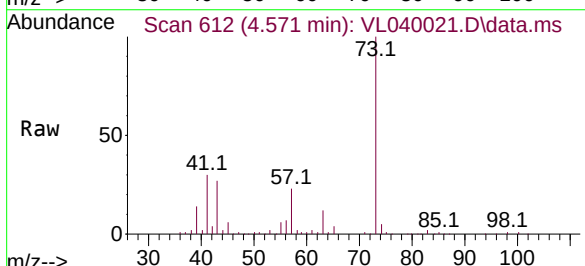
Acq: 19 Dec 2022 10:16

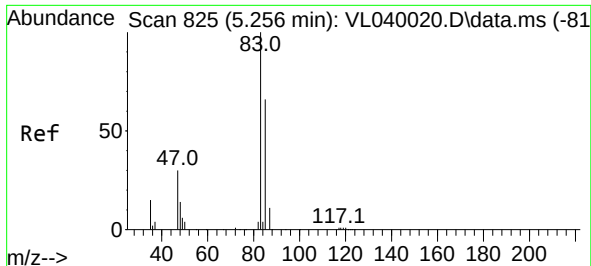
Tgt Ion: 73 Resp: 304359

Ion Ratio Lower Upper

73 100

57 23.4 18.6 28.0





#29

Chloroform

Concen: 2.155 ppbv

RT: 5.256 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_1

ClientSampleId :

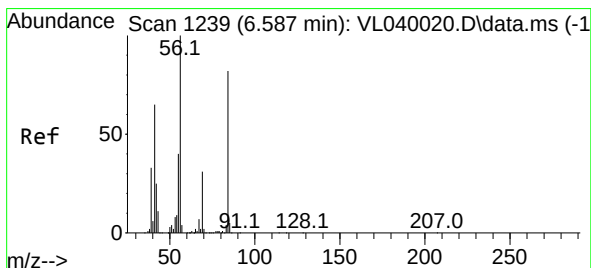
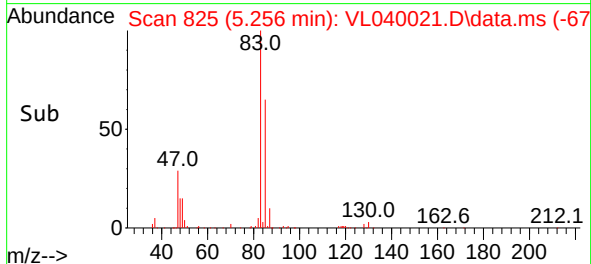
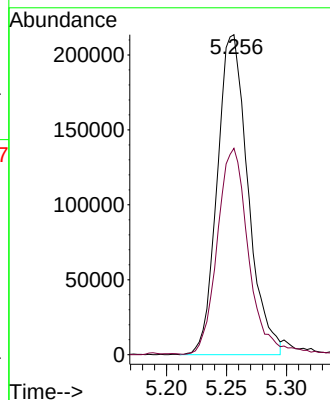
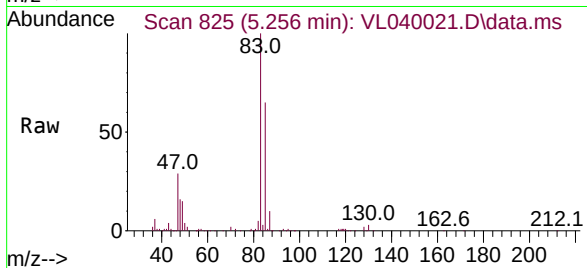
VSTDIC002

Tgt Ion: 83 Resp: 380604

Ion Ratio Lower Upper

83 100

85 64.3 52.4 78.6



#30

Cyclohexane

Concen: 2.270 ppbv

RT: 6.584 min Scan# 1238

Delta R.T. -0.003 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

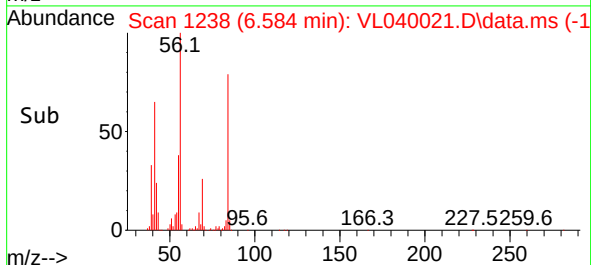
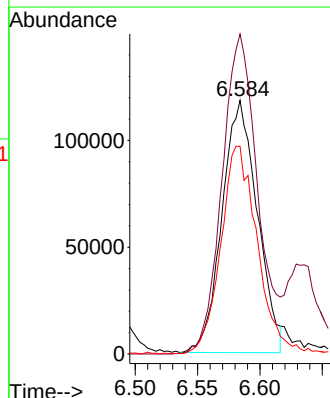
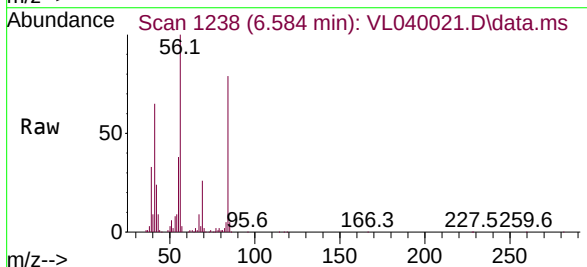
Tgt Ion: 84 Resp: 232628

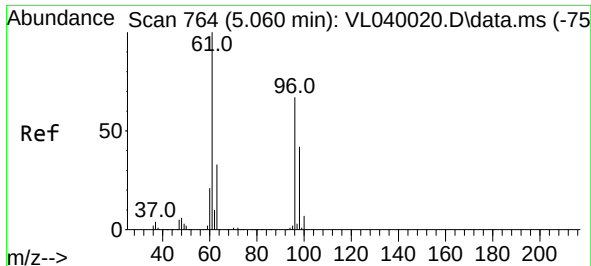
Ion Ratio Lower Upper

84 100

56 128.0 110.2 165.4

41 86.2 67.8 101.8

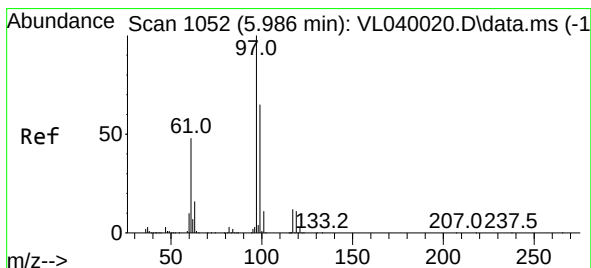
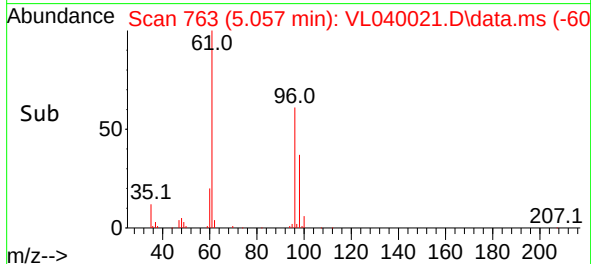
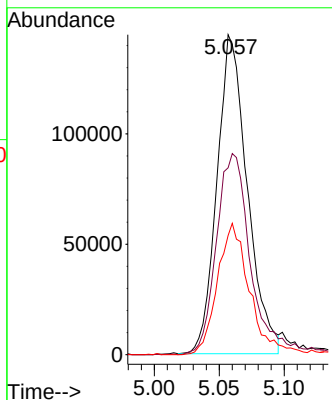
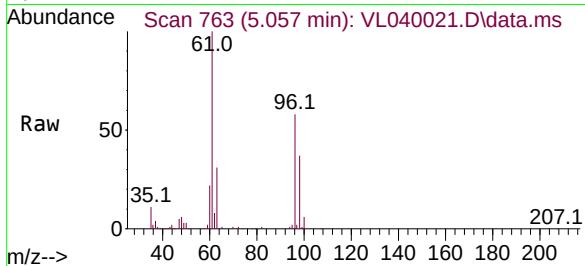




#31
 cis-1,2-Dichloroethene
 Concen: 2.128 ppbv
 RT: 5.057 min Scan# 763
 Delta R.T. -0.003 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

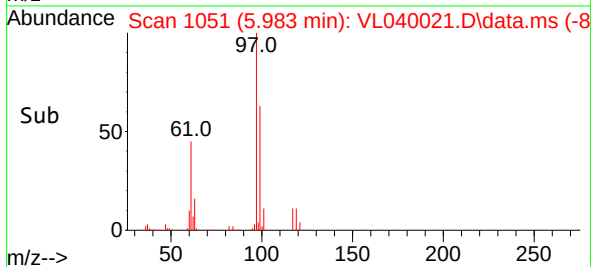
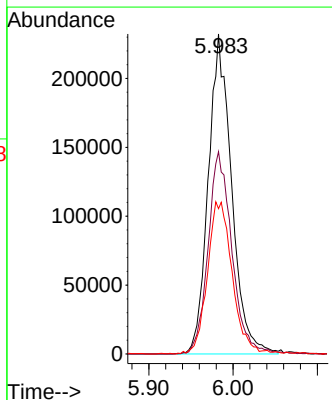
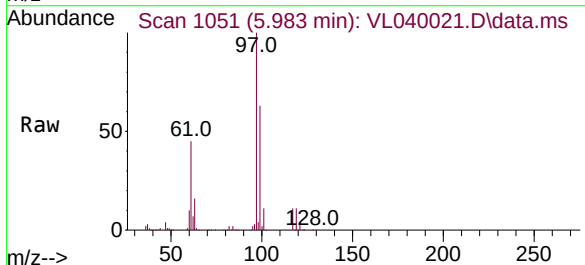
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

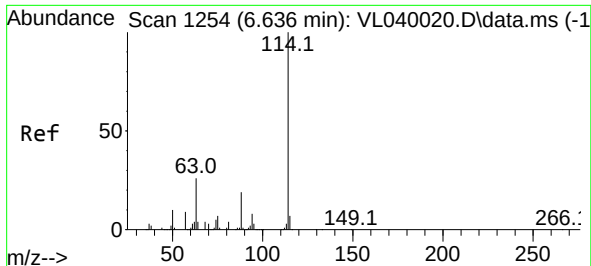
Tgt Ion: 61 Resp: 234515
 Ion Ratio Lower Upper
 61 100
 96 58.6 53.4 80.2
 98 37.4 33.4 50.0



#32
 1,1,1-Trichloroethane
 Concen: 2.350 ppbv
 RT: 5.983 min Scan# 1051
 Delta R.T. -0.003 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

Tgt Ion: 97 Resp: 445704
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.8 77.6
 61 51.3 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

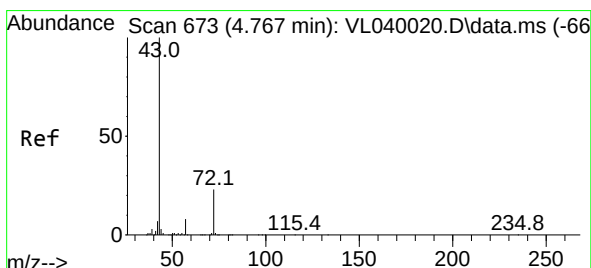
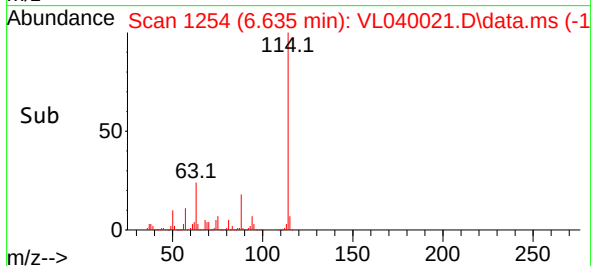
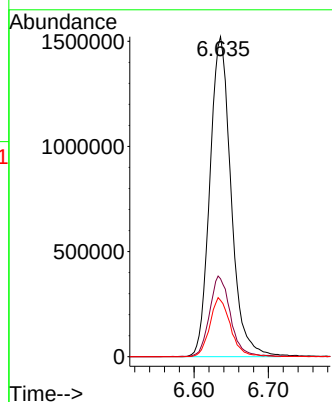
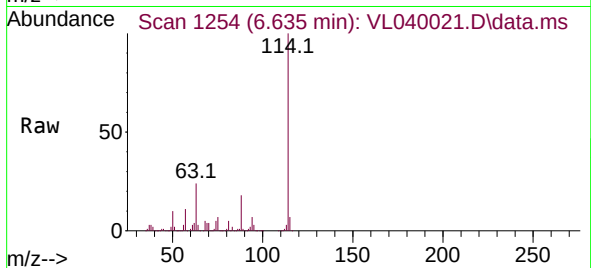
Tgt Ion:114 Resp: 3010312

Ion Ratio Lower Upper

114 100

63 25.2 20.2 30.2

88 18.1 14.6 21.8



#34

2-Butanone

Concen: 2.308 ppbv

RT: 4.771 min Scan# 674

Delta R.T. 0.003 min

Lab File: VL040021.D

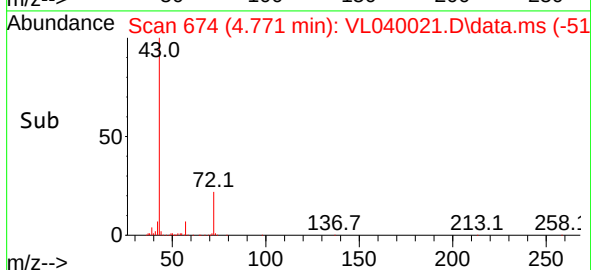
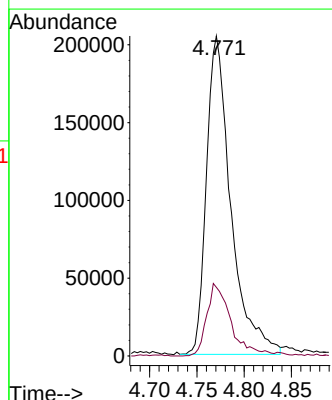
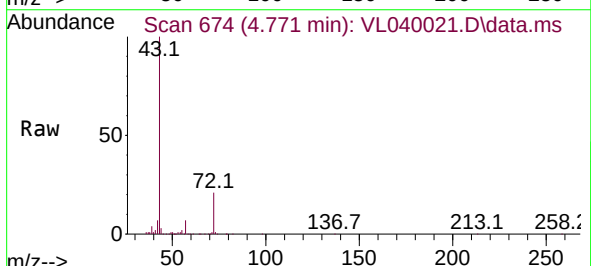
Acq: 19 Dec 2022 10:16

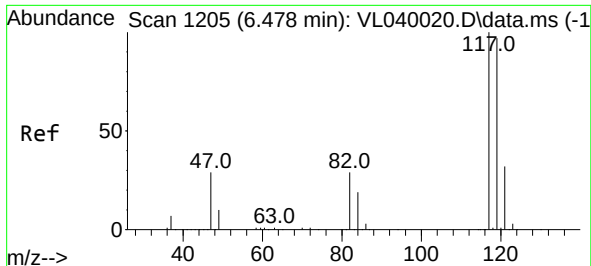
Tgt Ion: 43 Resp: 366782

Ion Ratio Lower Upper

43 100

72 23.4 18.0 27.0

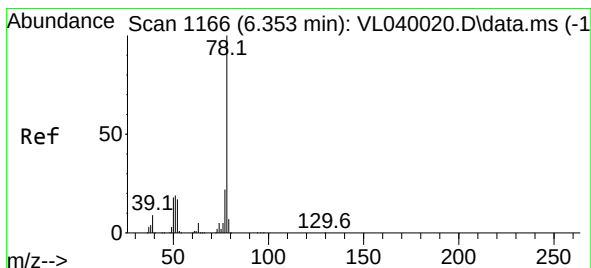
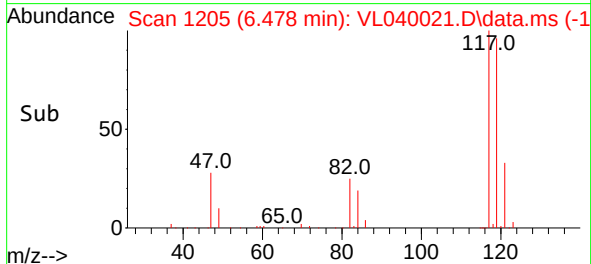
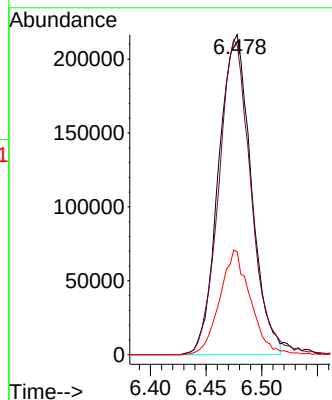
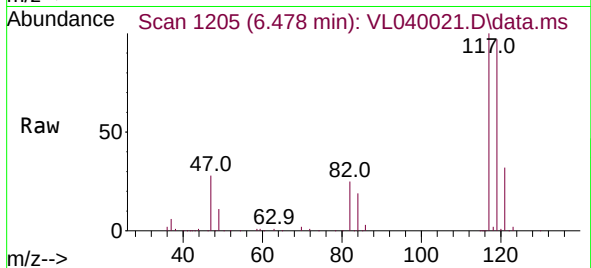




#35
Carbon Tetrachloride
Concen: 2.359 ppbv
RT: 6.478 min Scan# 1165
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

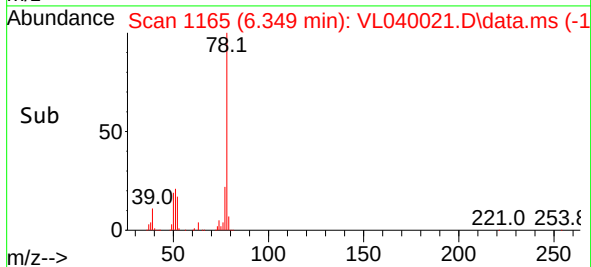
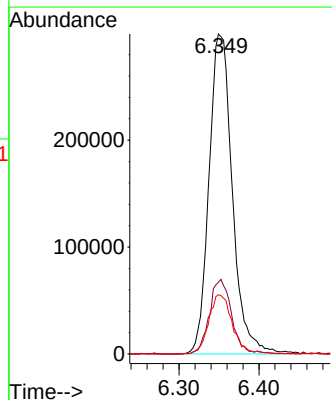
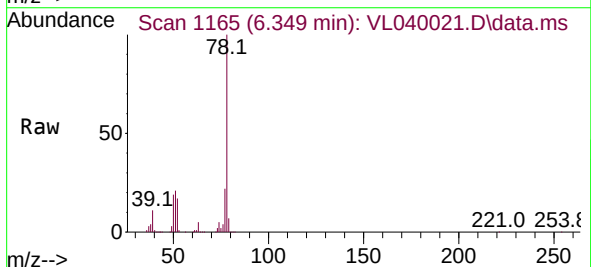
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

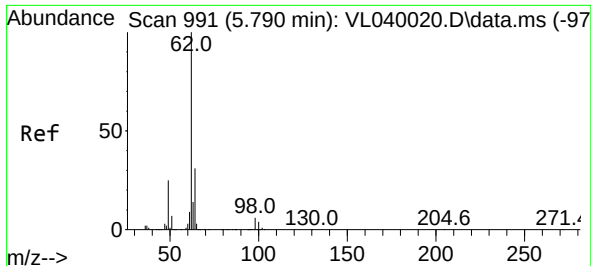
Tgt Ion:117 Resp: 441703
Ion Ratio Lower Upper
117 100
119 96.9 77.3 115.9
121 32.2 25.4 38.0



#36
Benzene
Concen: 2.257 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 78 Resp: 606672
Ion Ratio Lower Upper
78 100
77 22.3 17.5 26.3
50 18.5 14.2 21.2





#37

1,2-Dichloroethane

Concen: 2.273 ppbv

RT: 5.787 min Scan# 991

Delta R.T. -0.003 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

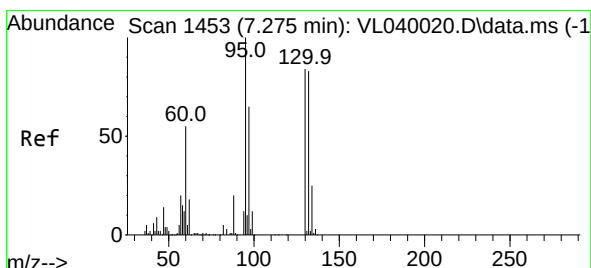
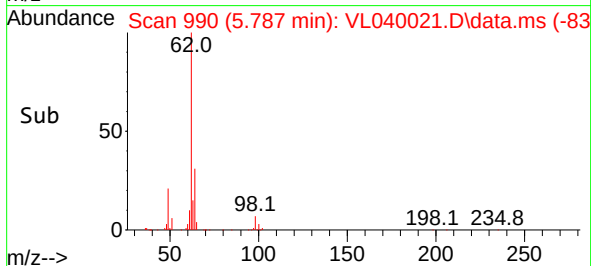
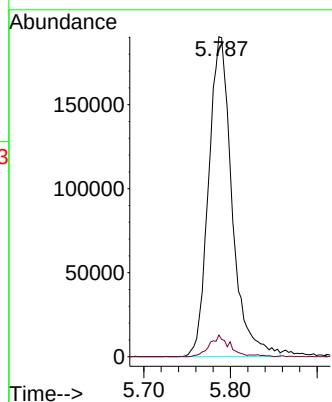
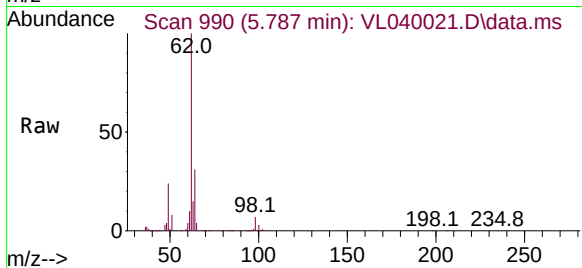
VSTDIC002

Tgt Ion: 62 Resp: 358418

Ion Ratio Lower Upper

62 100

98 6.1 5.1 7.7



#38

Trichloroethene

Concen: 2.371 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. -0.000 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Tgt Ion:130 Resp: 329383

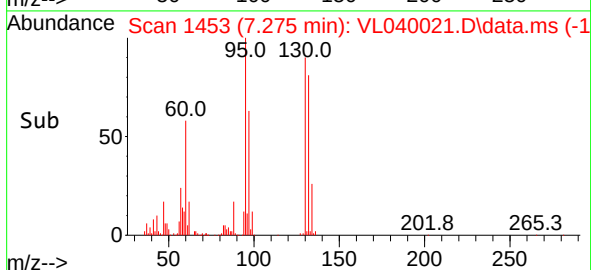
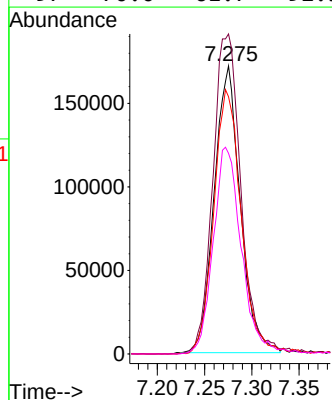
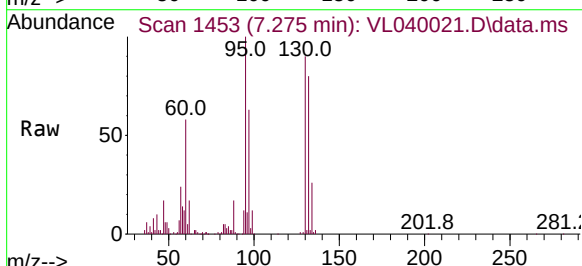
Ion Ratio Lower Upper

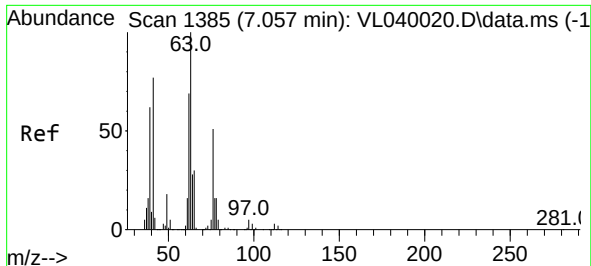
130 100

95 111.4 94.8 142.2

132 89.5 78.2 117.4

97 70.0 61.7 92.5





#39

1,2-Dichloropropane

Concen: 2.247 ppbv

RT: 7.053 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

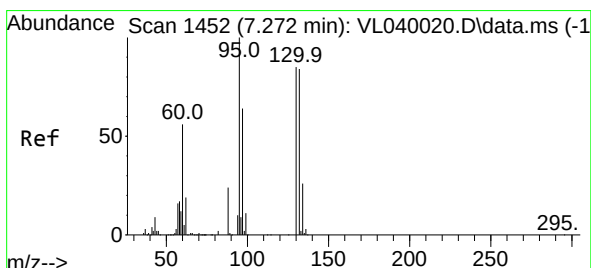
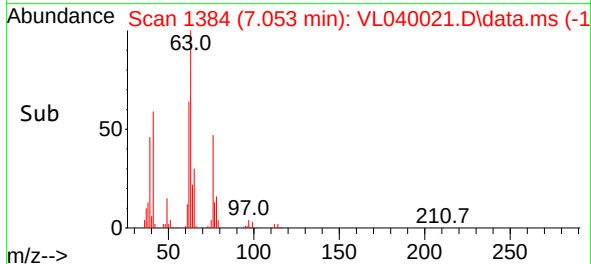
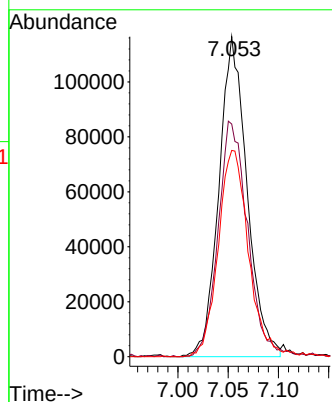
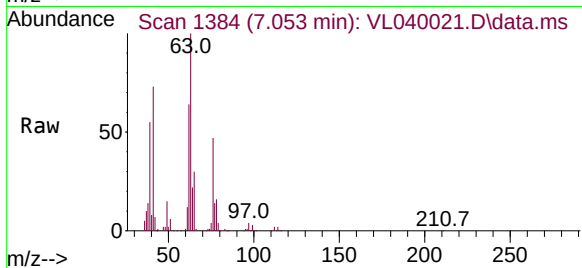
Tgt Ion: 63 Resp: 226397

Ion Ratio Lower Upper

63 100

41 72.7 61.4 92.0

62 64.4 55.4 83.2



#40

1,4-Dioxane

Concen: 1.595 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. 0.010 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Tgt Ion: 88 Resp: 72878

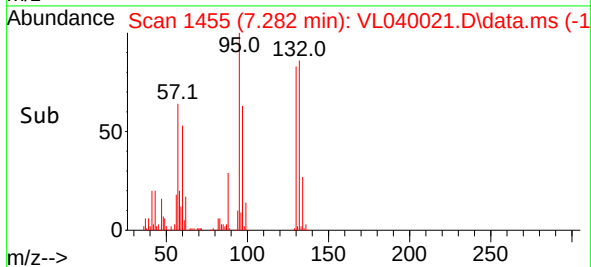
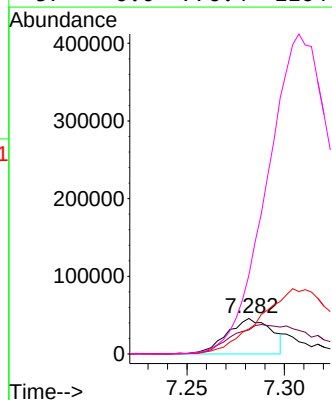
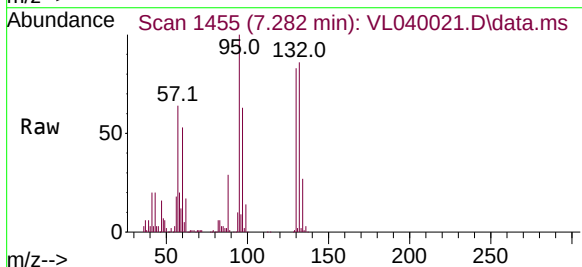
Ion Ratio Lower Upper

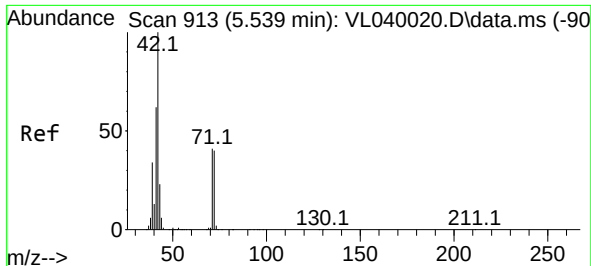
88 100

58 161.1 92.7 139.1#

43 0.0 174.6 261.8#

57 0.0 776.4 1164.6#

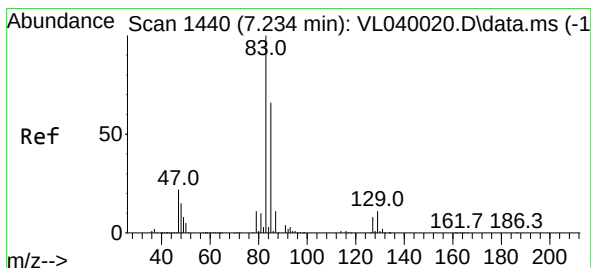
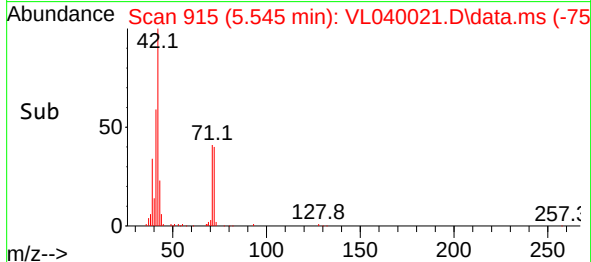
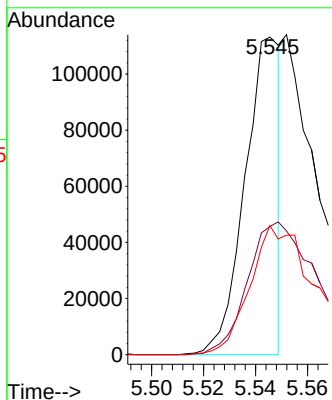
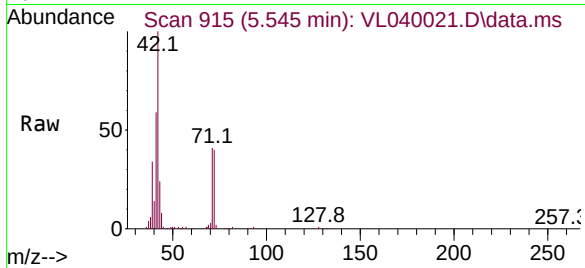




#41
Tetrahydrofuran
Concen: 1.077 ppbv
RT: 5.545 min Scan# 913
Delta R.T. 0.006 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

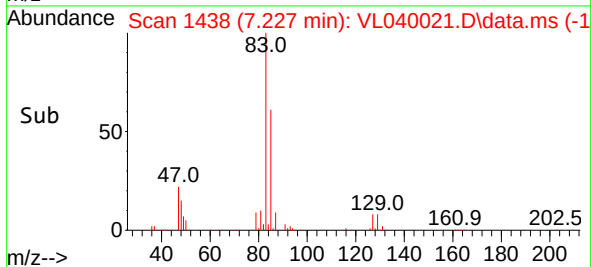
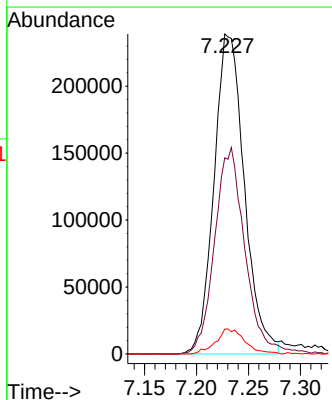
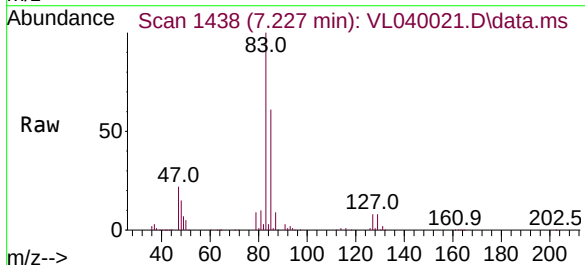
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

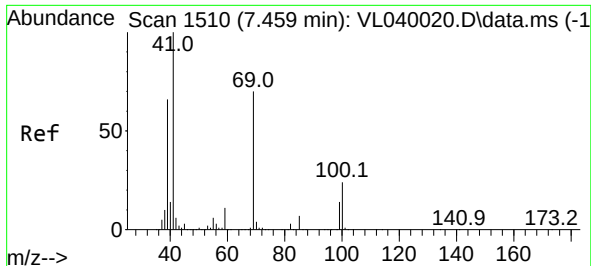
Tgt Ion: 42 Resp: 106267
Ion Ratio Lower Upper
42 100
72 0.0 32.9 49.3#
71 83.4 32.2 48.2#



#42
Bromodichloromethane
Concen: 2.251 ppbv
RT: 7.227 min Scan# 1438
Delta R.T. -0.006 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 83 Resp: 485434
Ion Ratio Lower Upper
83 100
85 61.3 53.0 79.6
127 7.8 6.2 9.2

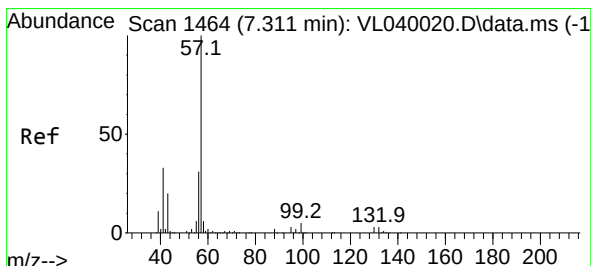
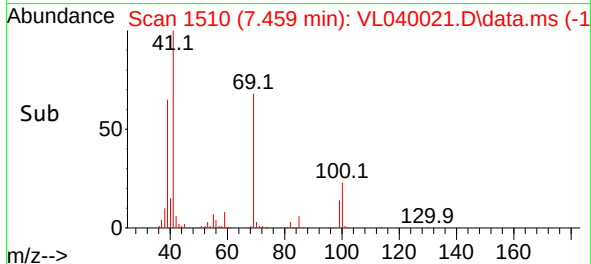
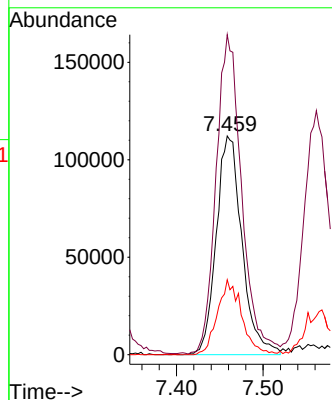
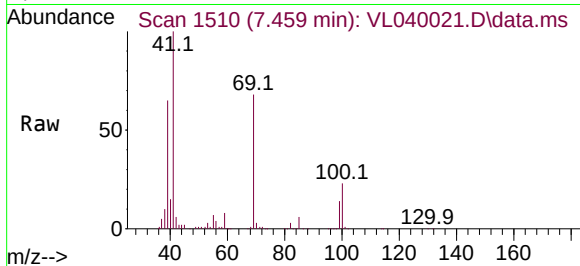




#43
Methyl Methacrylate
Concen: 2.295 ppbv
RT: 7.459 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

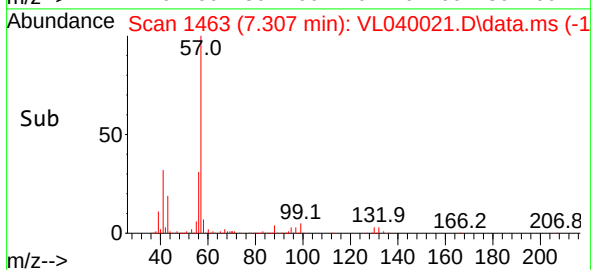
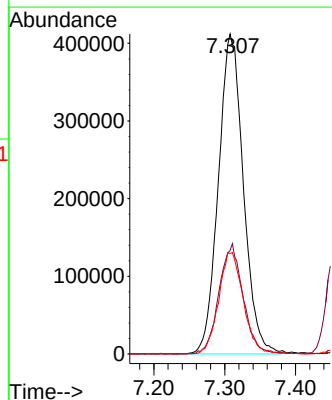
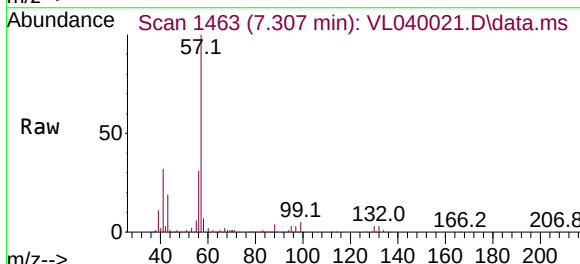
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

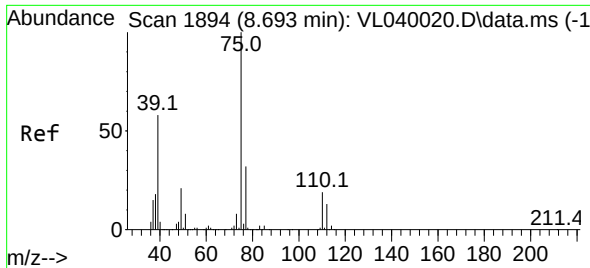
Tgt Ion: 69 Resp: 231534
Ion Ratio Lower Upper
69 100
41 144.6 115.7 173.5
100 32.3 26.0 39.0



#44
2,2,4-Trimethylpentane
Concen: 2.277 ppbv
RT: 7.307 min Scan# 1463
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 57 Resp: 1007975
Ion Ratio Lower Upper
57 100
41 33.3 26.2 39.4
56 31.4 25.1 37.7

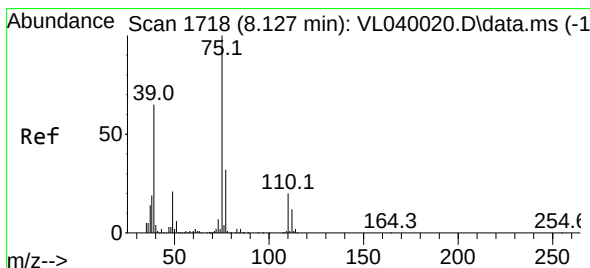
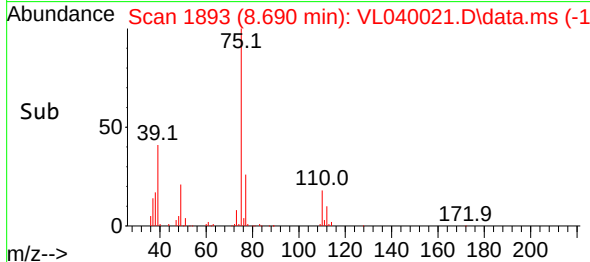
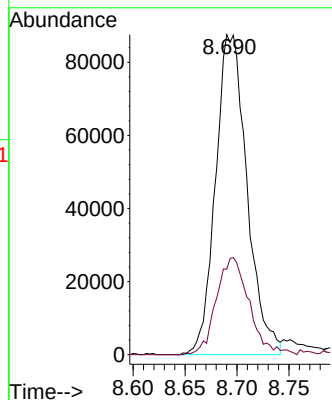
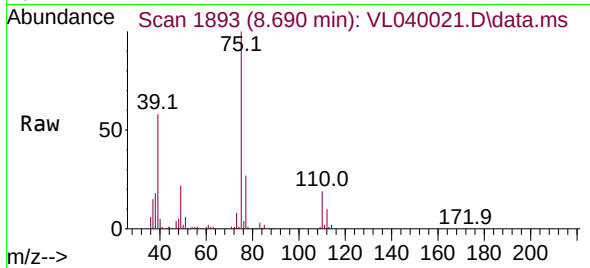




#45
 t-1,3-Dichloropropene
 Concen: 2.165 ppbv
 RT: 8.690 min Scan# 1894
 Delta R.T. -0.003 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

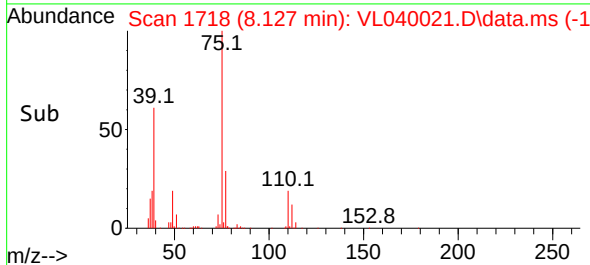
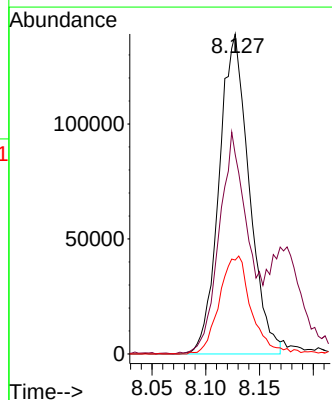
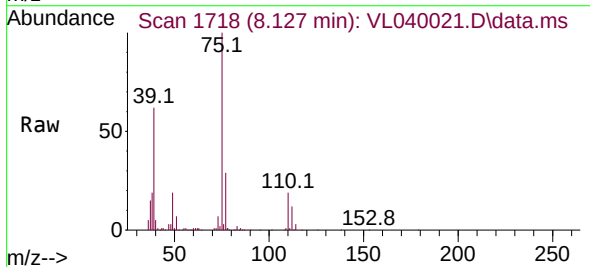
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

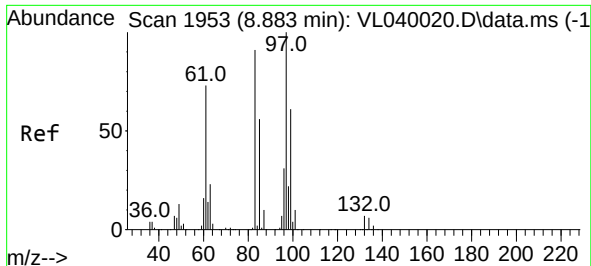
Tgt Ion: 75 Resp: 184612
 Ion Ratio Lower Upper
 75 100
 77 26.8 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 2.250 ppbv
 RT: 8.127 min Scan# 1718
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

Tgt Ion: 75 Resp: 270584
 Ion Ratio Lower Upper
 75 100
 39 61.7 51.7 77.5
 77 29.4 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 2.262 ppbv

RT: 8.880 min Scan# 1953

Delta R.T. -0.003 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 97 Resp: 249427

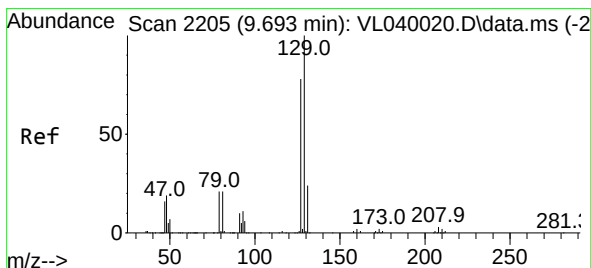
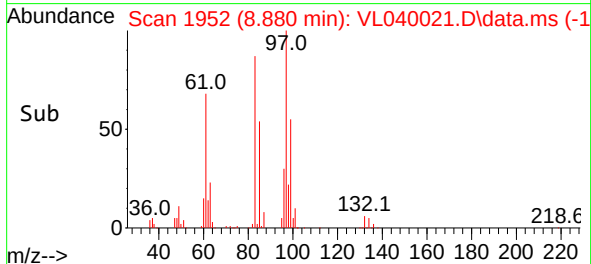
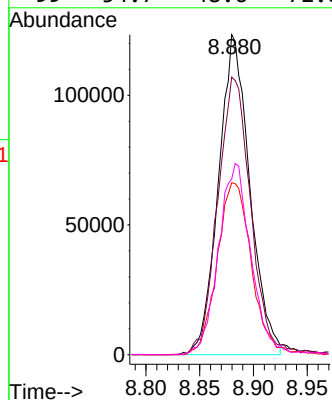
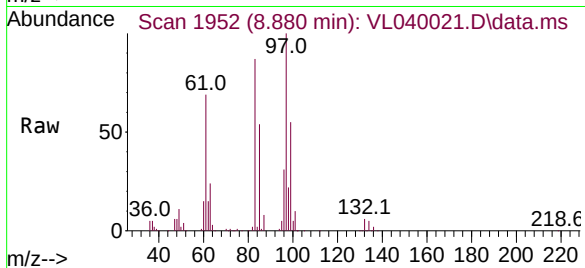
Ion Ratio Lower Upper

97 100

83 86.5 72.5 108.7

85 53.7 45.0 67.6

99 54.7 48.6 72.8



#48

Dibromochloromethane

Concen: 2.262 ppbv

RT: 9.693 min Scan# 2205

Delta R.T. -0.000 min

Lab File: VL040021.D

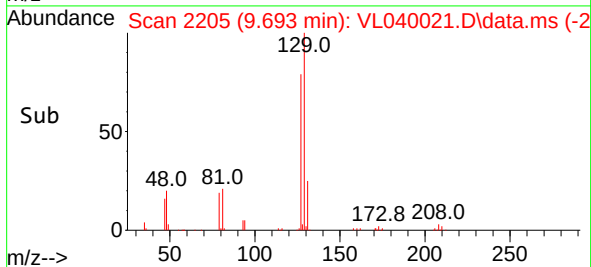
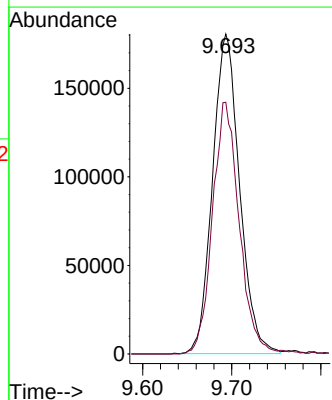
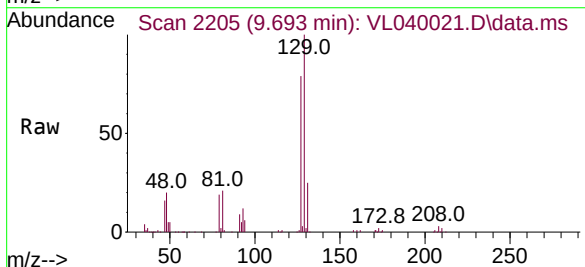
Acq: 19 Dec 2022 10:16

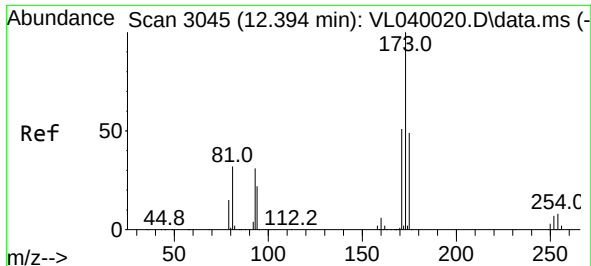
Tgt Ion: 129 Resp: 380104

Ion Ratio Lower Upper

129 100

127 78.4 39.4 118.1

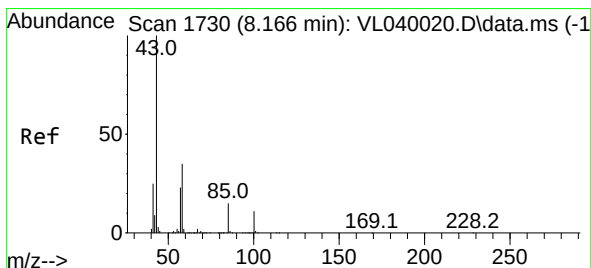
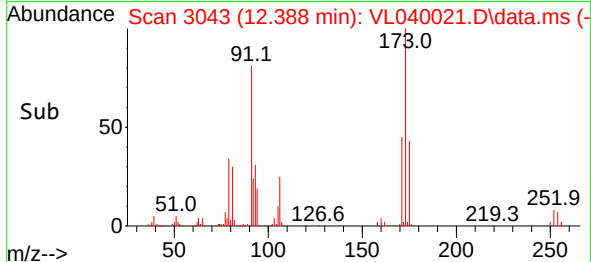
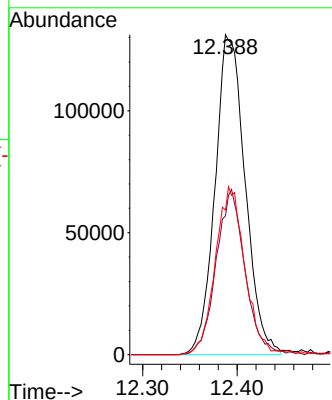
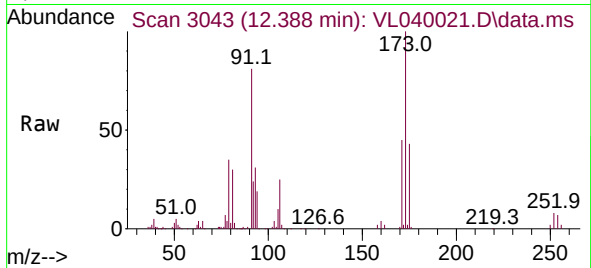




#49
Bromoform
Concen: 2.267 ppbv
RT: 12.388 min Scan# 3043
Delta R.T. -0.006 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

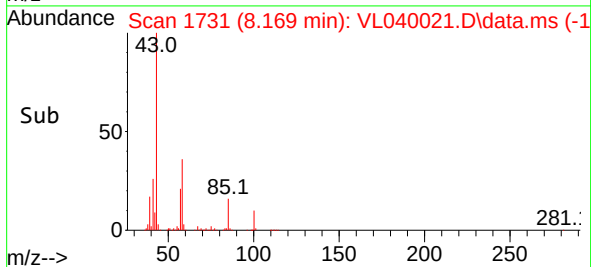
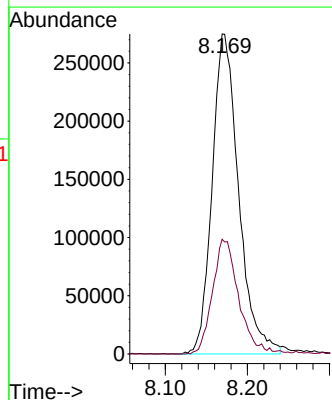
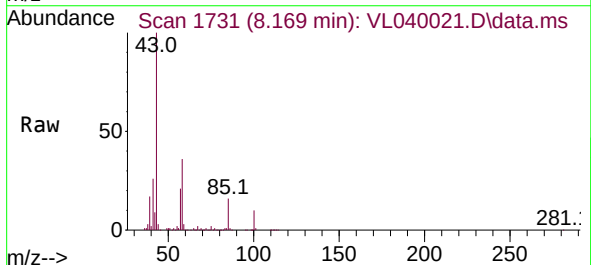
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

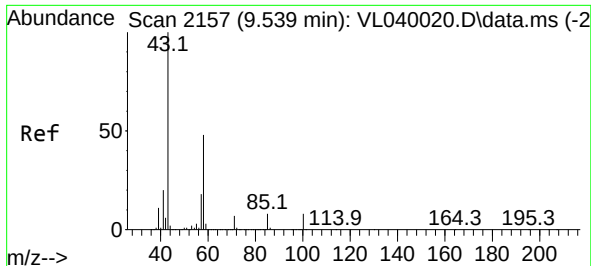
Tgt Ion:173 Resp: 290184
Ion Ratio Lower Upper
173 100
175 49.6 39.0 58.4
171 51.8 42.0 63.0



#50
4-Methyl-2-Pentanone
Concen: 2.312 ppbv
RT: 8.169 min Scan# 1731
Delta R.T. 0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 43 Resp: 616955
Ion Ratio Lower Upper
43 100
58 35.9 29.0 43.4

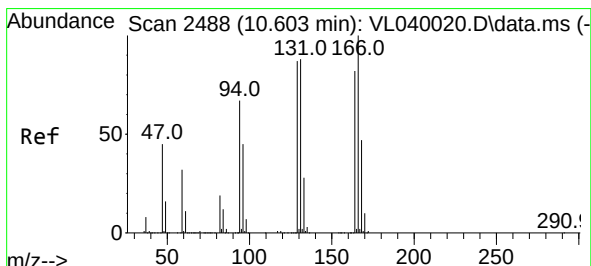
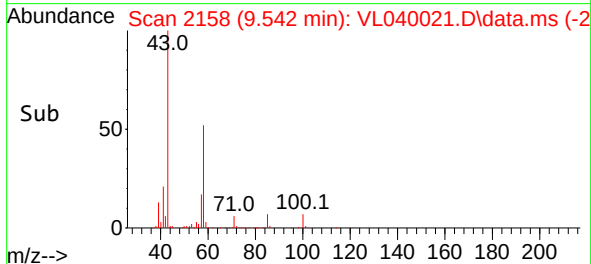
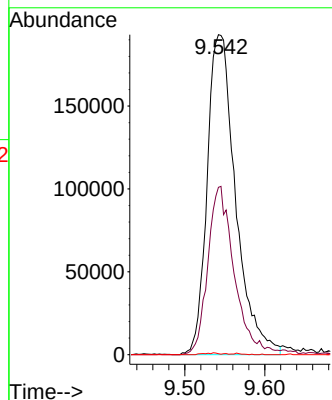
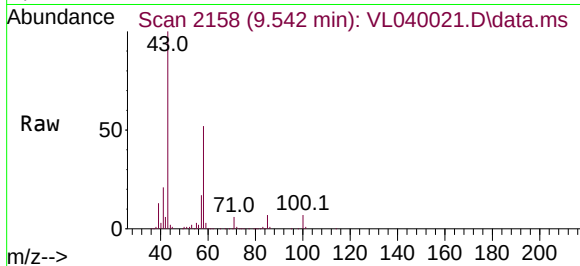




#51
2-Hexanone
Concen: 2.310 ppbv
RT: 9.542 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

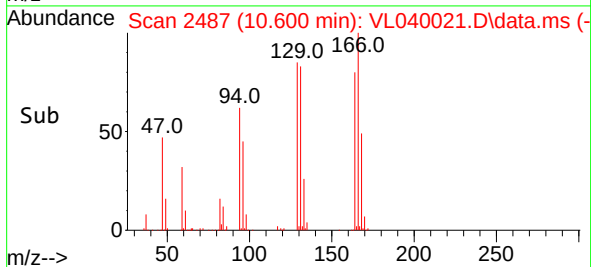
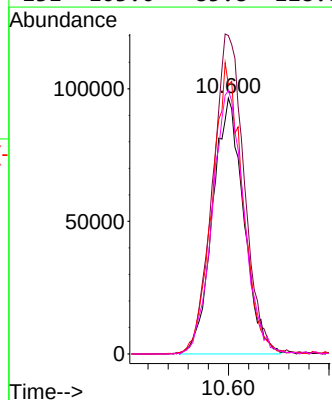
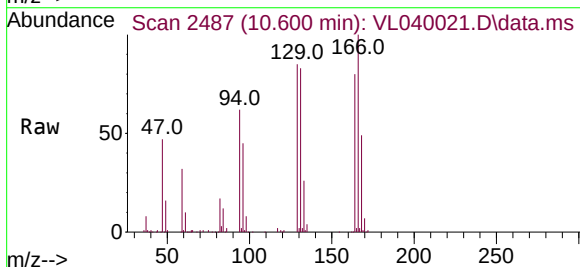
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

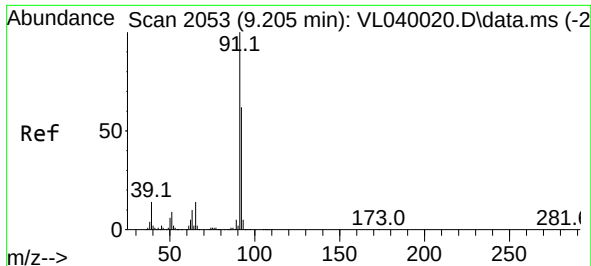
Tgt Ion: 43 Resp: 477909
Ion Ratio Lower Upper
43 100
58 49.8 39.4 59.2
98 0.5 0.2 0.4#



#52
Tetrachloroethene
Concen: 2.243 ppbv
RT: 10.600 min Scan# 2487
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 164 Resp: 206385
Ion Ratio Lower Upper
164 100
166 123.8 97.4 146.0
129 104.5 84.3 126.5
131 103.0 85.8 128.8

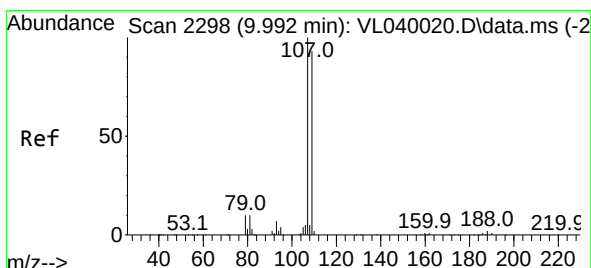
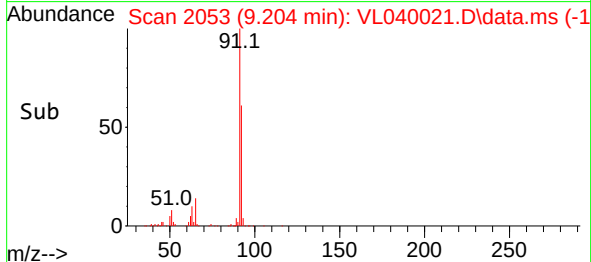
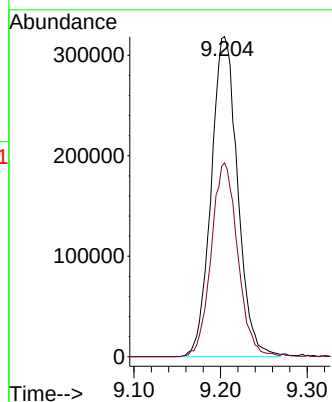
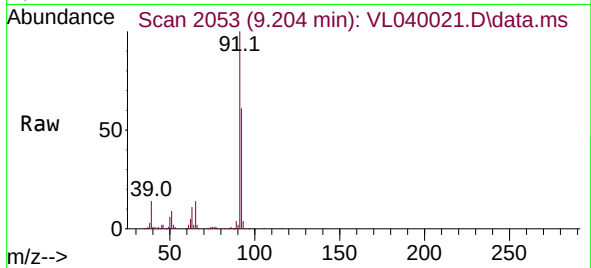




#53
Toluene
Concen: 2.273 ppbv
RT: 9.204 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

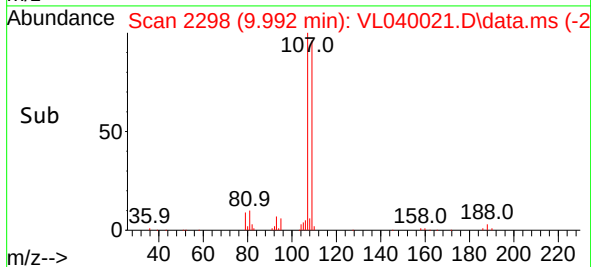
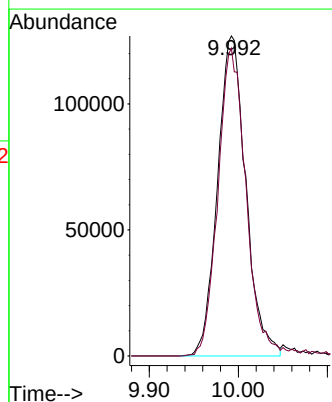
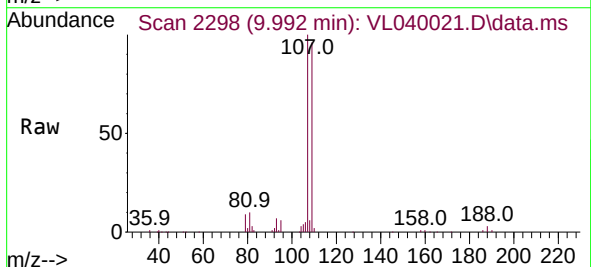
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

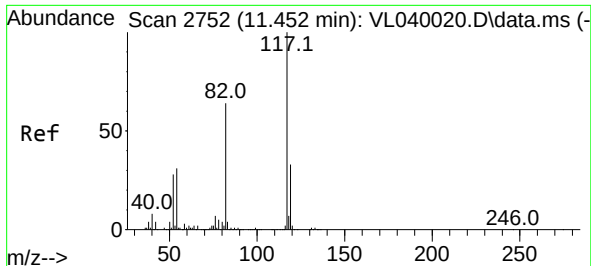
Tgt Ion: 91 Resp: 676531
Ion Ratio Lower Upper
91 100
92 61.0 48.7 73.1



#54
1,2-Dibromoethane
Concen: 2.374 ppbv
RT: 9.992 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 107 Resp: 280198
Ion Ratio Lower Upper
107 100
109 96.1 74.1 111.1

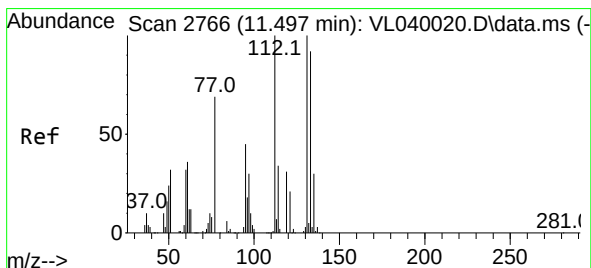
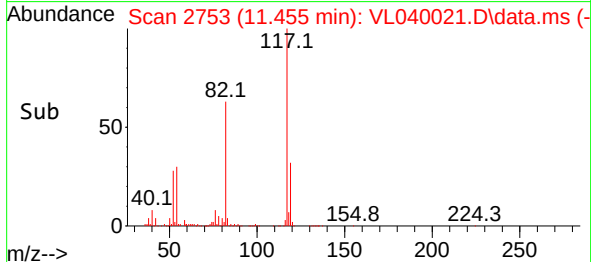
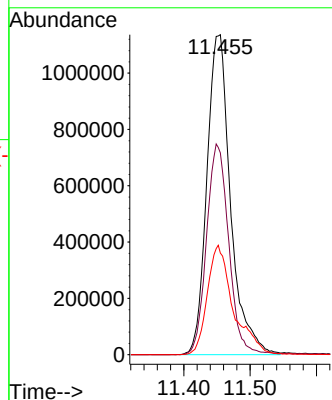
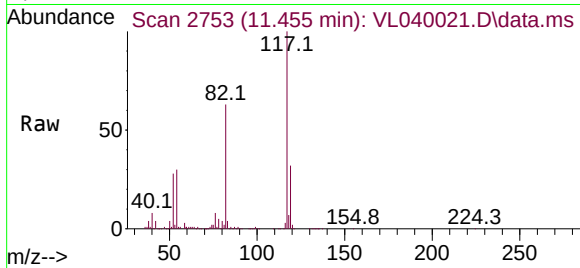




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

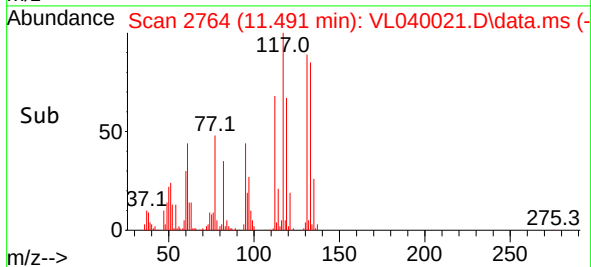
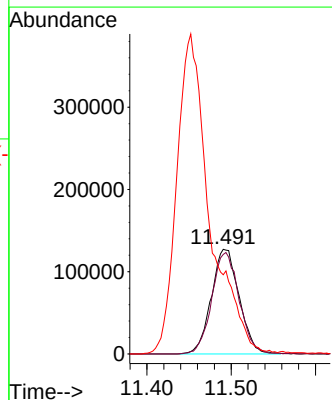
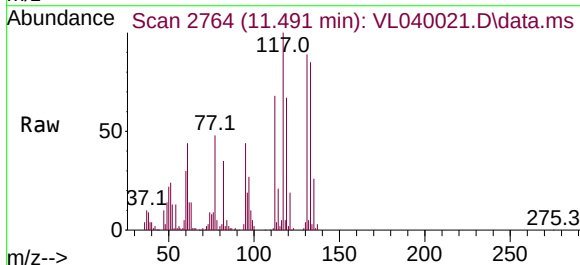
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

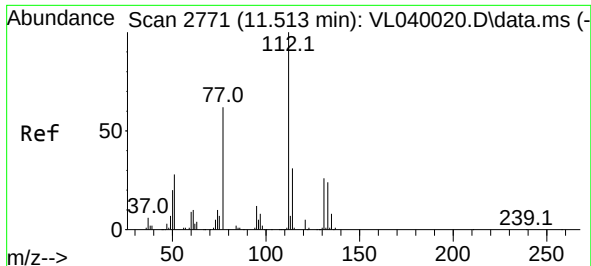
Tgt Ion:117 Resp: 2819748
Ion Ratio Lower Upper
117 100
82 62.2 51.2 76.8
119 37.7 23.2 34.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 2.242 ppbv
RT: 11.491 min Scan# 2764
Delta R.T. -0.006 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion:131 Resp: 291832
Ion Ratio Lower Upper
131 100
133 95.6 75.8 113.8
119 364.6 52.3 78.5#

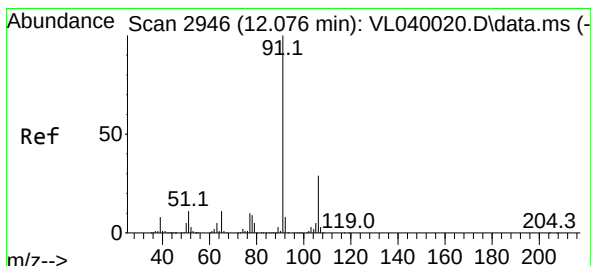
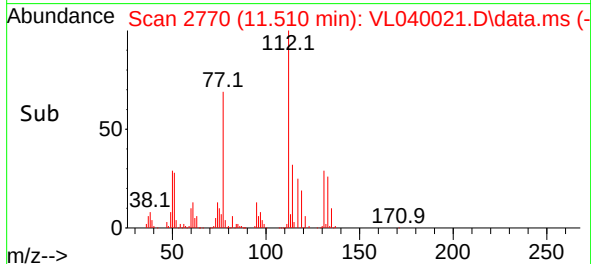
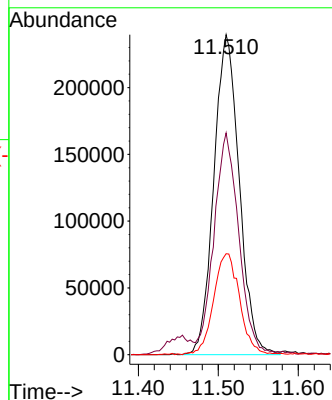
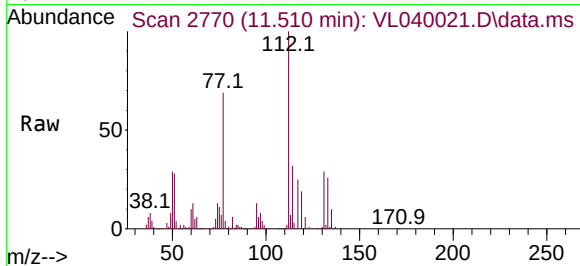




#57
Chlorobenzene
Concen: 2.208 ppbv
RT: 11.510 min Scan# 211
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

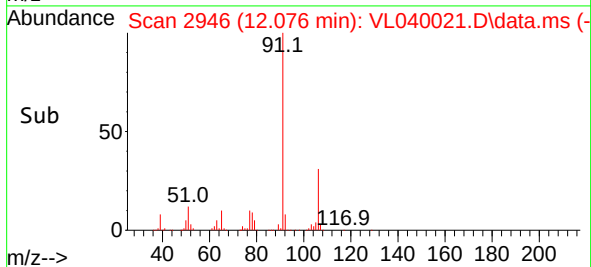
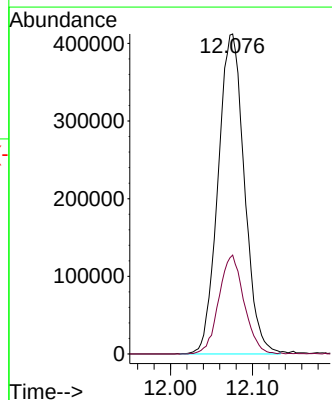
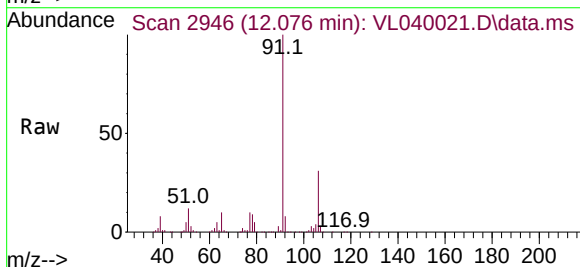
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

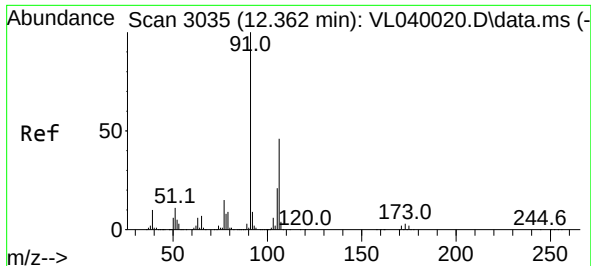
Tgt Ion:112 Resp: 528541
Ion Ratio Lower Upper
112 100
77 68.5 50.6 75.8
114 31.4 27.8 34.0



#58
Ethyl Benzene
Concen: 2.299 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 91 Resp: 920923
Ion Ratio Lower Upper
91 100
106 30.9 23.5 35.3





#59

m/p-Xylene

Concen: 2.396 ppbv

RT: 12.359 min Scan# 3034

Delta R.T. -0.003 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

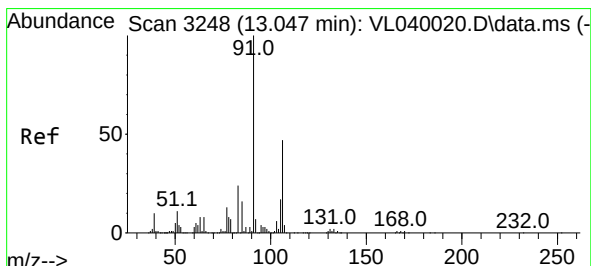
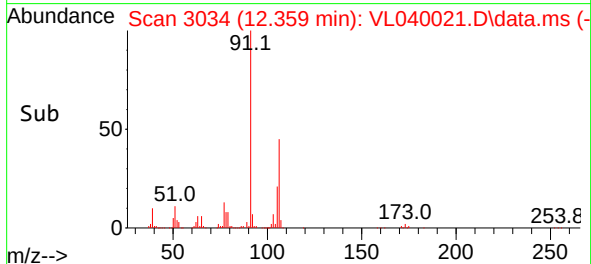
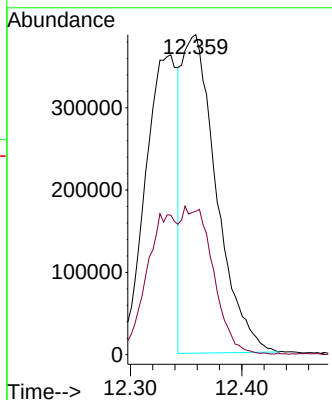
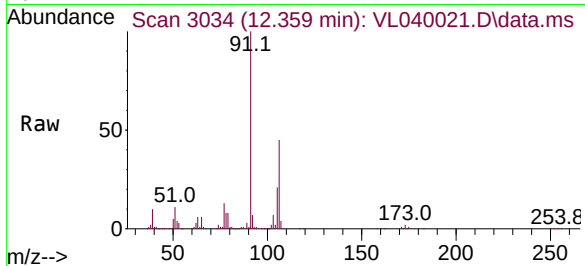
VSTDIC002

Tgt Ion: 91 Resp: 836246

Ion Ratio Lower Upper

91 100

106 82.3 35.5 53.3#



#60

o-Xylene

Concen: 2.289 ppbv

RT: 13.040 min Scan# 3246

Delta R.T. -0.006 min

Lab File: VL040021.D

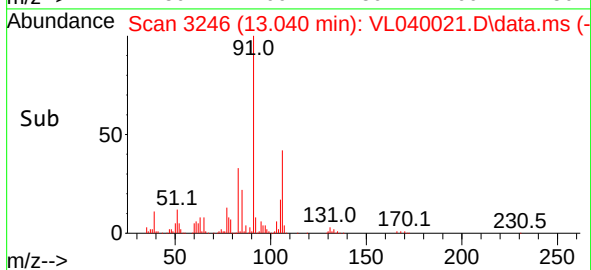
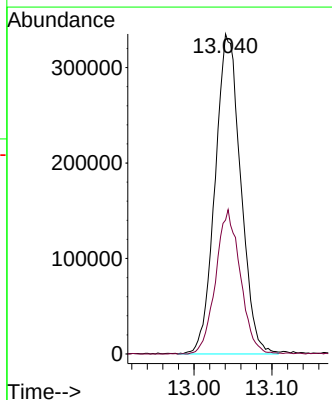
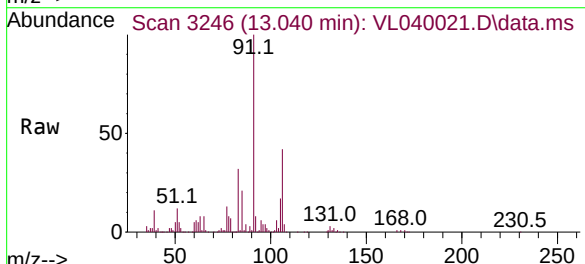
Acq: 19 Dec 2022 10:16

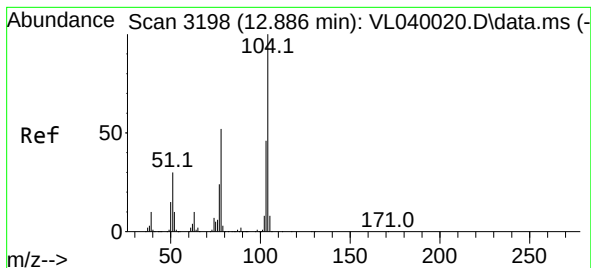
Tgt Ion: 91 Resp: 765089

Ion Ratio Lower Upper

91 100

106 43.5 22.4 67.0





#61

Styrene

Concen: 2.308 ppbv

RT: 12.883 min Scan# 3198

Delta R.T. -0.003 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

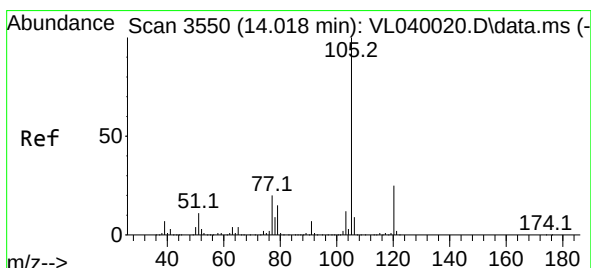
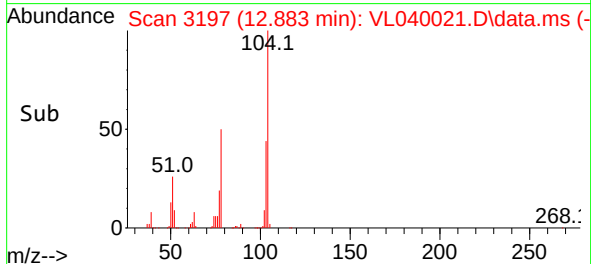
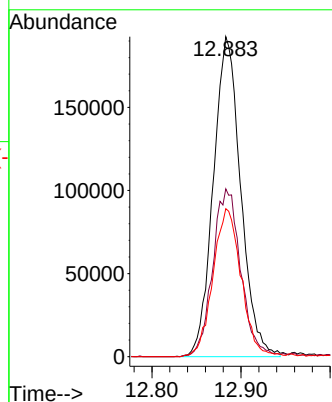
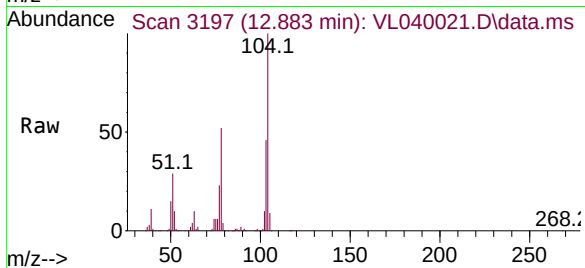
Tgt Ion:104 Resp: 411314

Ion Ratio Lower Upper

104 100

78 54.2 42.4 63.6

103 48.0 37.2 55.8



#62

Isopropylbenzene

Concen: 2.268 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. -0.000 min

Lab File: VL040021.D

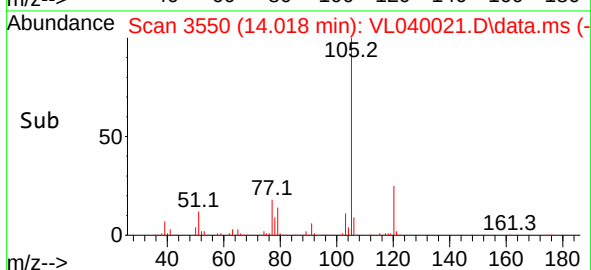
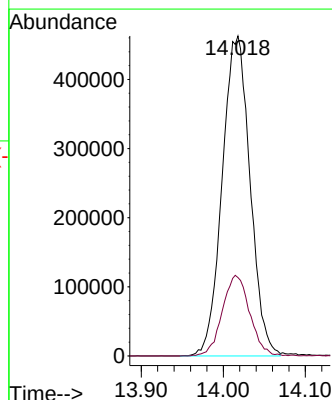
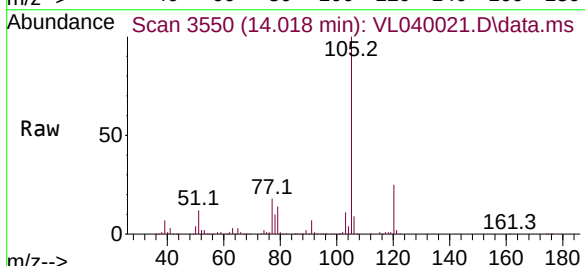
Acq: 19 Dec 2022 10:16

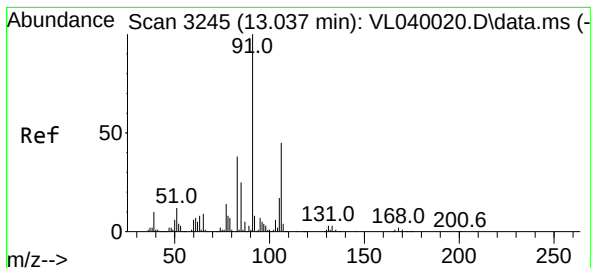
Tgt Ion:105 Resp: 1093310

Ion Ratio Lower Upper

105 100

120 25.0 20.6 31.0

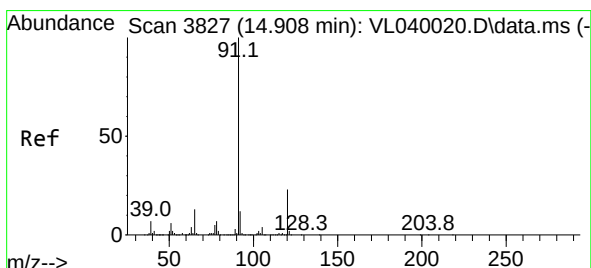
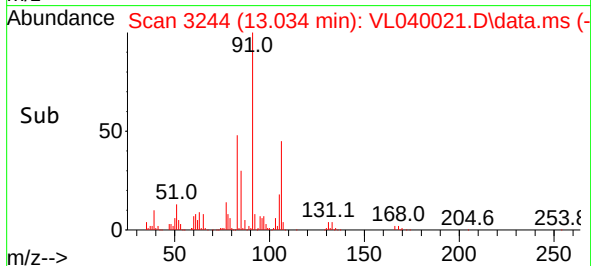
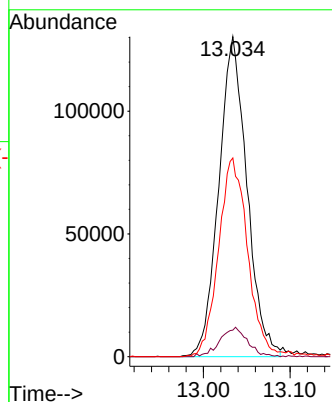
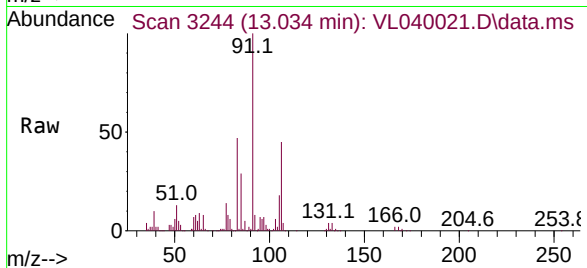




#63
1,1,2,2-Tetrachloroethane
Concen: 2.393 ppbv
RT: 13.034 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

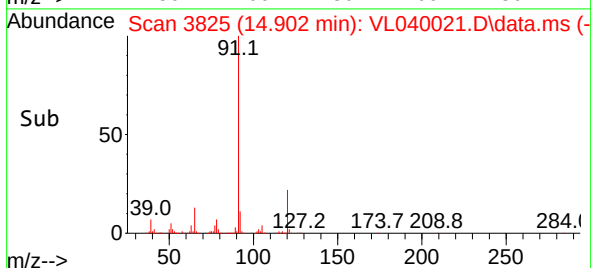
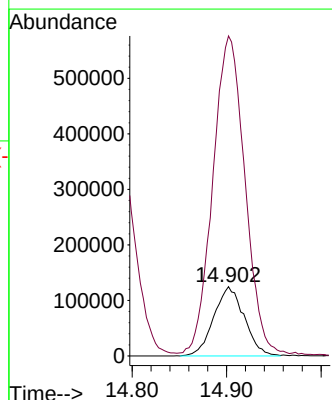
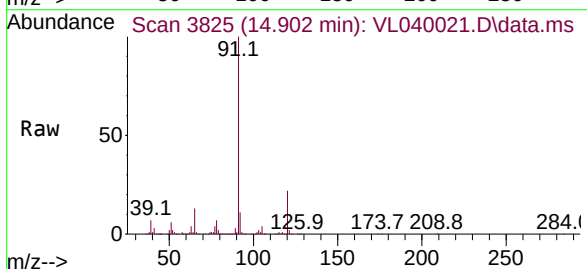
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

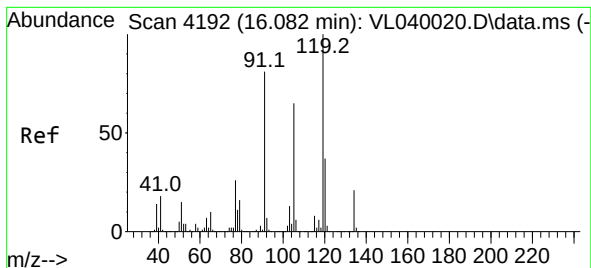
Tgt Ion: 83 Resp: 294274
Ion Ratio Lower Upper
83 100
131 9.1 4.5 13.5
85 65.3 33.3 99.9



#64
n-propylbenzene
Concen: 2.308 ppbv
RT: 14.902 min Scan# 3825
Delta R.T. -0.006 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 120 Resp: 280044
Ion Ratio Lower Upper
120 100
91 490.7 384.3 576.5

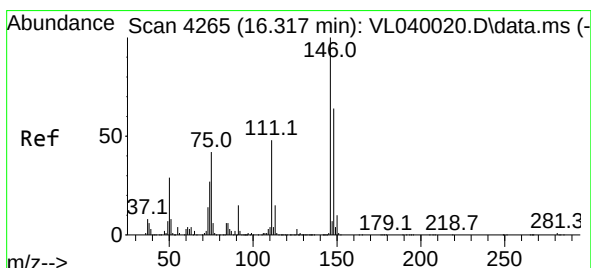
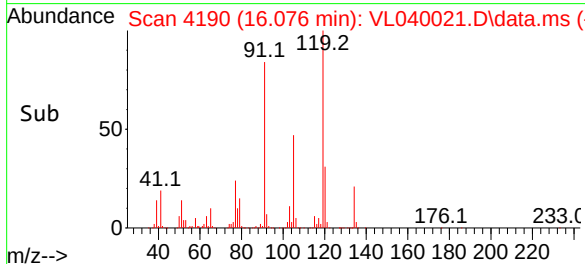
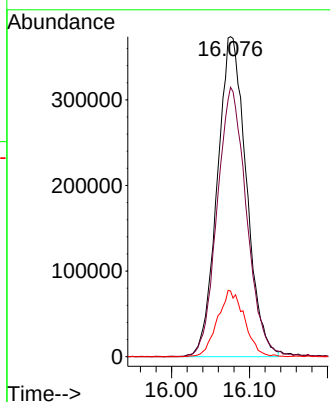
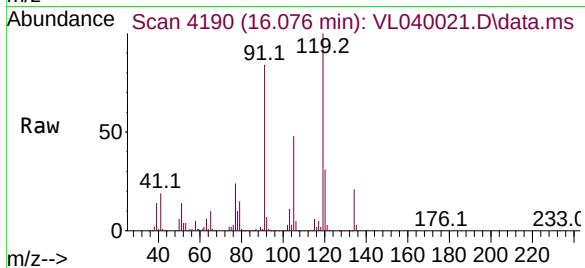




#65
tert-Butylbenzene
Concen: 2.313 ppbv
RT: 16.076 min Scan# 4192
Delta R.T. -0.006 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

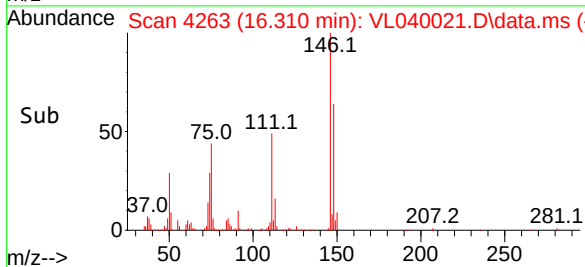
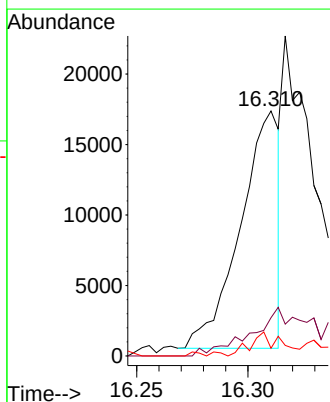
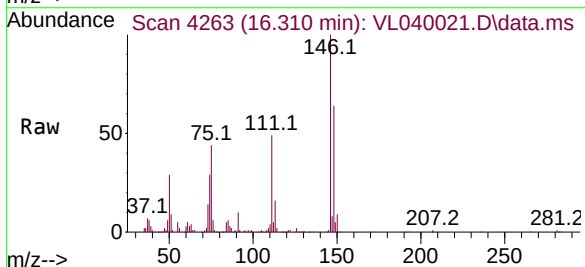
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

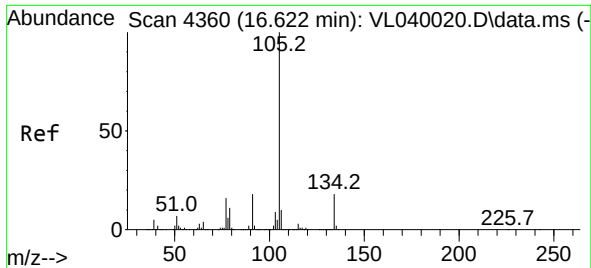
Tgt Ion:119 Resp: 968146
Ion Ratio Lower Upper
119 100
91 85.3 66.9 100.3
134 19.4 15.8 23.6



#66
Benzyl Chloride
Concen: 0.940 ppbv
RT: 16.310 min Scan# 4263
Delta R.T. -0.006 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 91 Resp: 20435
Ion Ratio Lower Upper
91 100
126 33.3 12.2 18.2#
128 14.1 4.2 6.2#

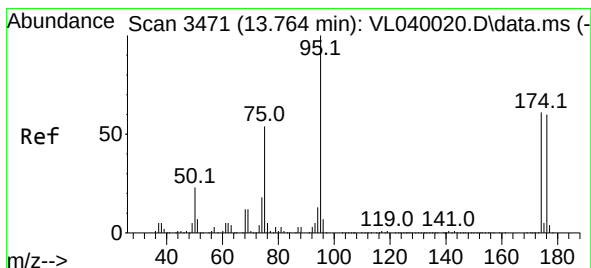
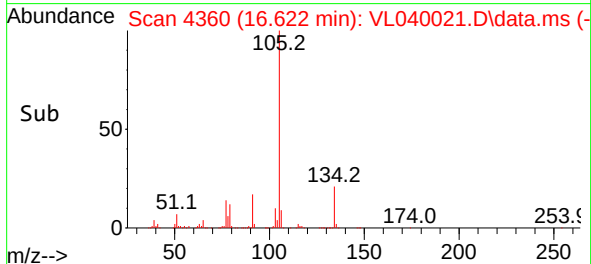
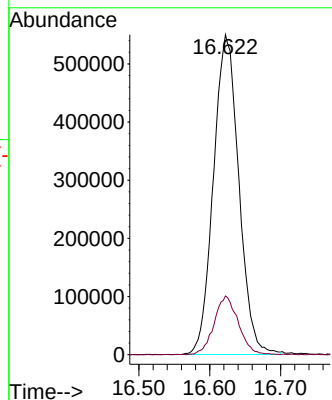
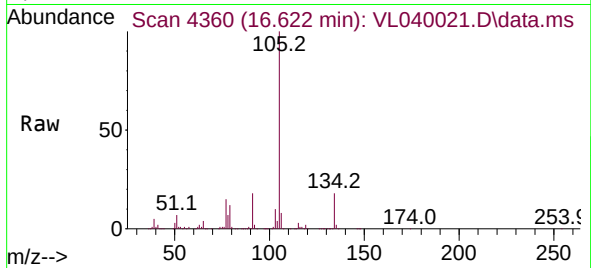




#67
 sec-Butylbenzene
 Concen: 2.330 ppbv
 RT: 16.622 min Scan# 4360
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

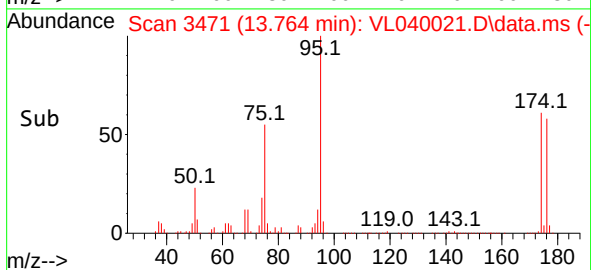
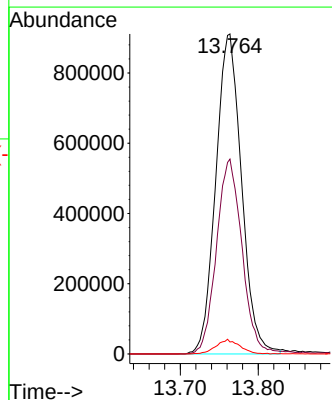
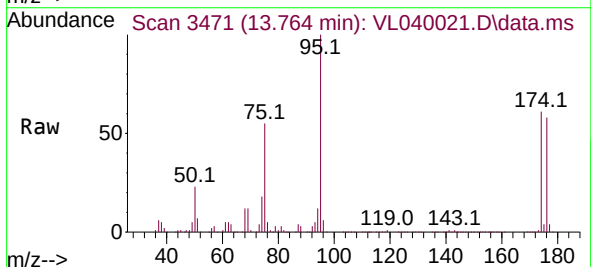
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

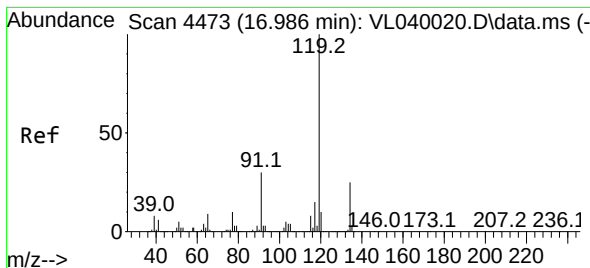
Tgt Ion:105 Resp: 1368148
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.719 ppbv
 RT: 13.764 min Scan# 3471
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

Tgt Ion: 95 Resp: 2093310
 Ion Ratio Lower Upper
 95 100
 174 61.3 48.6 73.0
 175 4.3 3.4 5.2





#69

p-Isopropyltoluene

Concen: 2.374 ppbv

RT: 16.982 min Scan# 4473

Delta R.T. -0.003 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

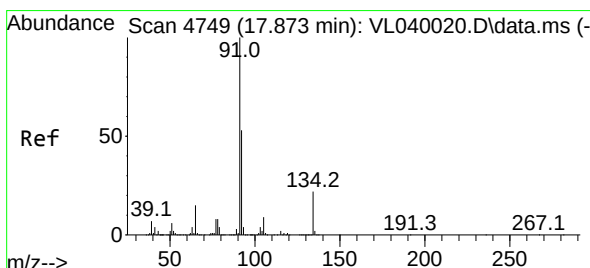
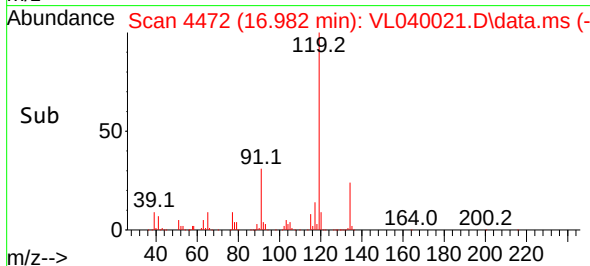
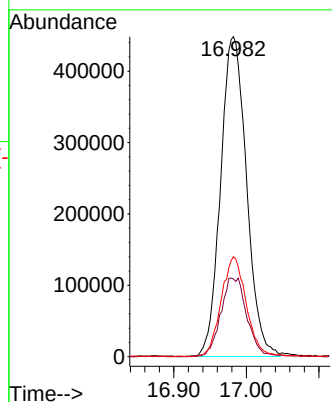
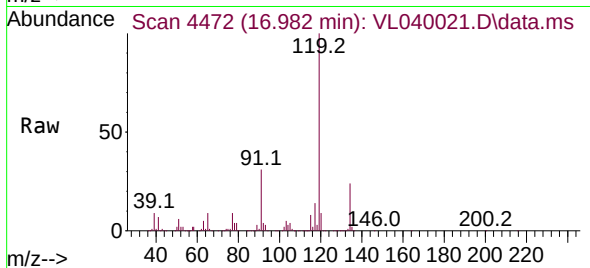
Tgt Ion:119 Resp: 1113169

Ion Ratio Lower Upper

119 100

134 25.0 20.2 30.4

91 30.7 24.2 36.4



#70

n-Butylbenzene

Concen: 2.396 ppbv

RT: 17.873 min Scan# 4749

Delta R.T. -0.000 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

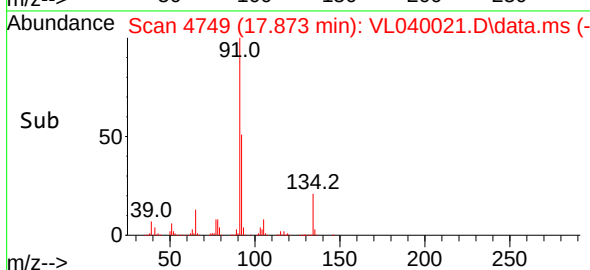
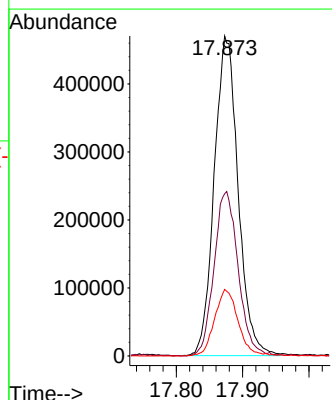
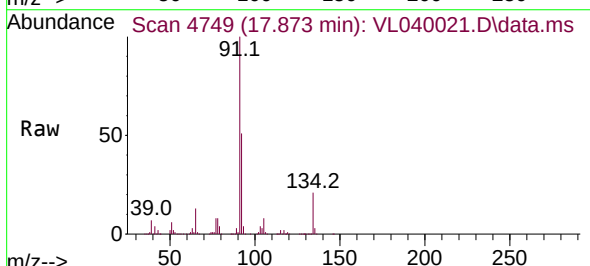
Tgt Ion: 91 Resp: 1174066

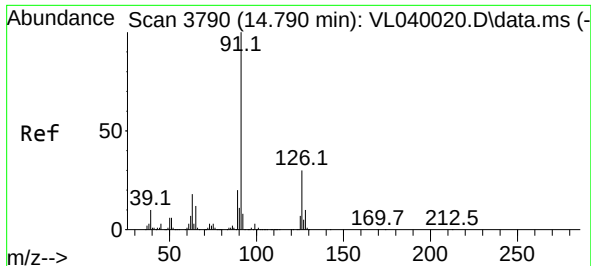
Ion Ratio Lower Upper

91 100

92 52.0 43.2 64.8

134 20.8 17.4 26.2

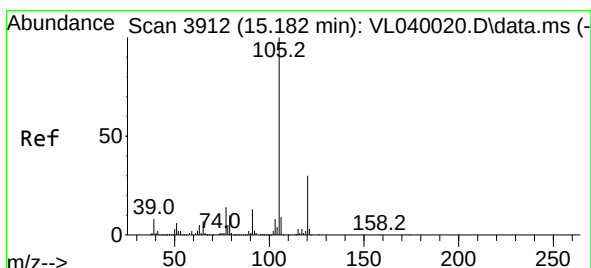
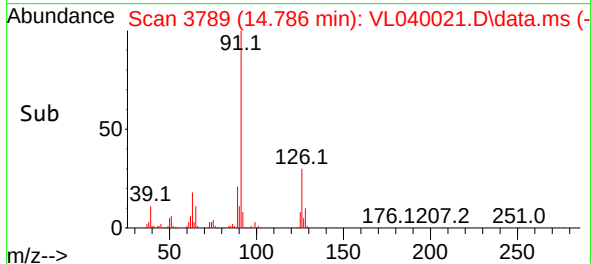
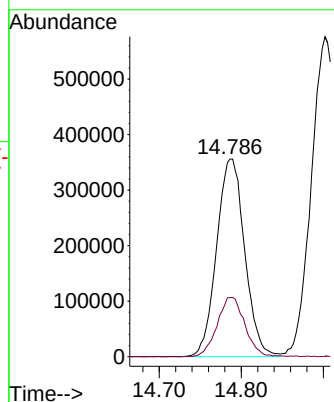
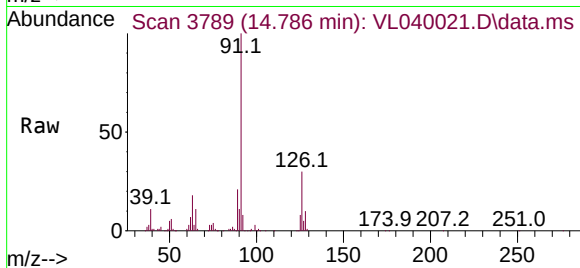




#71
2-Chlorotoluene
Concen: 2.306 ppbv
RT: 14.786 min Scan# 311
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

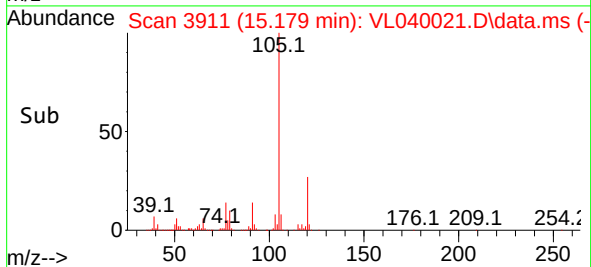
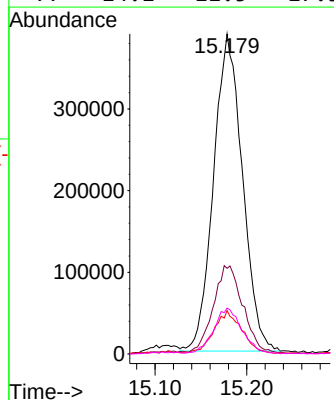
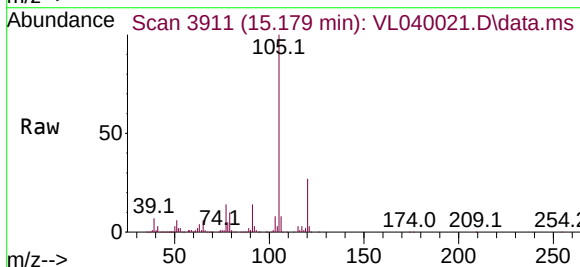
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

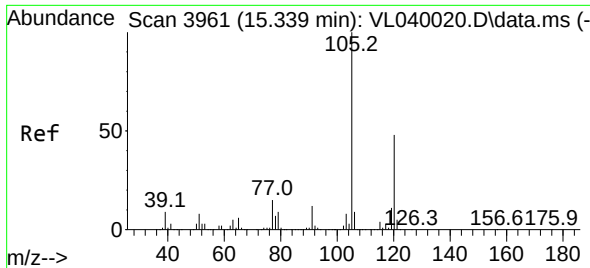
Tgt Ion: 91 Resp: 848098
Ion Ratio Lower Upper
91 100
126 29.7 12.1 48.5



#72
4-Ethyltoluene
Concen: 2.286 ppbv
RT: 15.179 min Scan# 3911
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 105 Resp: 848637
Ion Ratio Lower Upper
105 100
120 30.1 23.5 35.3
91 13.6 10.5 15.7
77 14.1 11.5 17.3

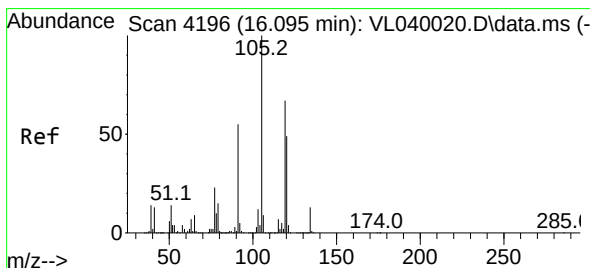
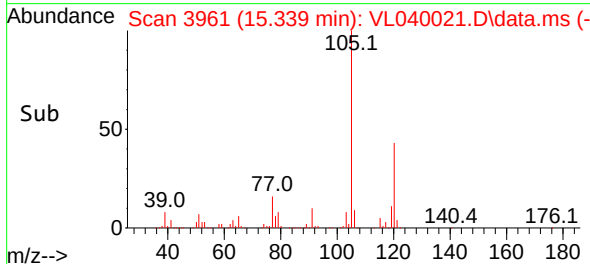
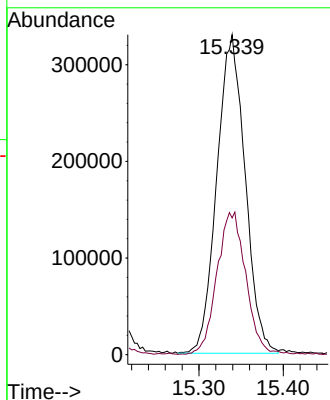
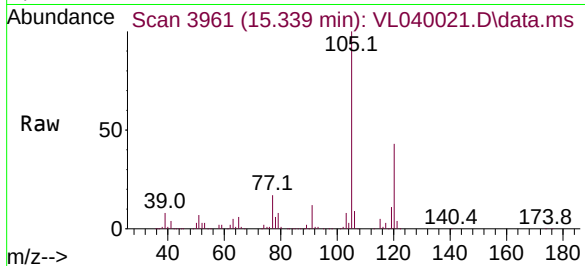




#73
 1,3,5-Trimethylbenzene
 Concen: 2.284 ppbv
 RT: 15.339 min Scan# 3961
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

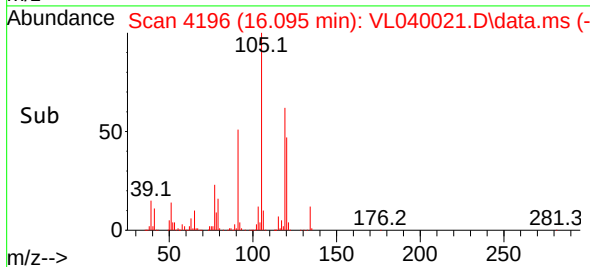
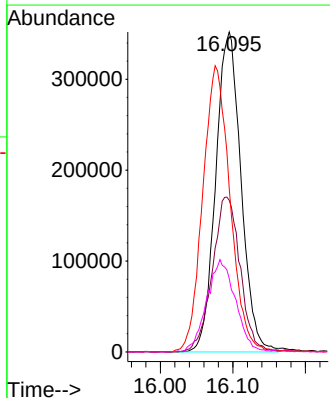
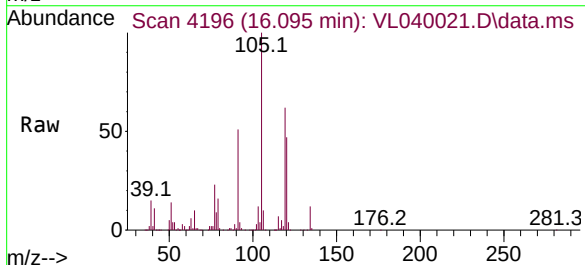
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

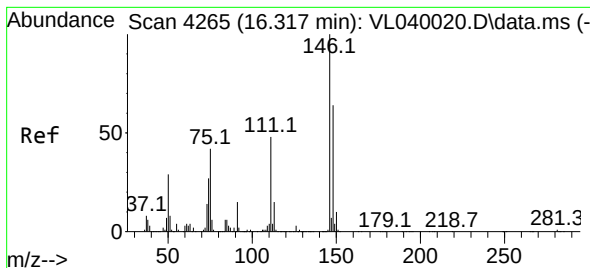
Tgt Ion:105 Resp: 767082
 Ion Ratio Lower Upper
 105 100
 120 42.8 38.4 57.6



#74
 1,2,4-Trimethylbenzene
 Concen: 2.314 ppbv
 RT: 16.095 min Scan# 4196
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

Tgt Ion:105 Resp: 854017
 Ion Ratio Lower Upper
 105 100
 120 47.3 39.3 58.9
 91 50.5 44.2 66.4
 77 22.9 18.8 28.2





#75

1,3-Dichlorobenzene

Concen: 1.087 ppbv

RT: 16.320 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

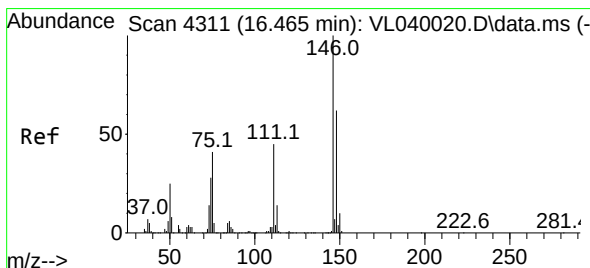
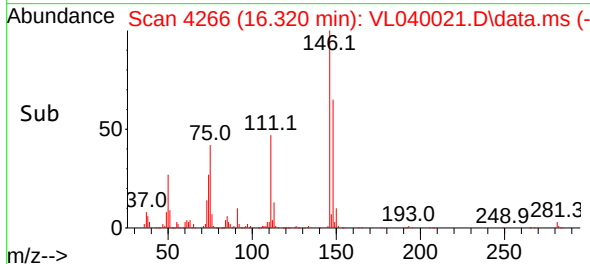
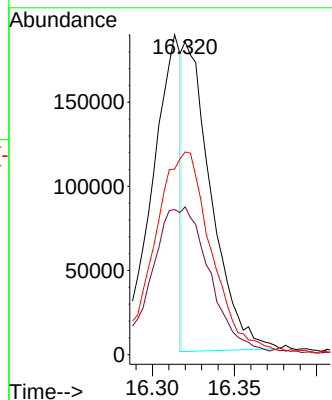
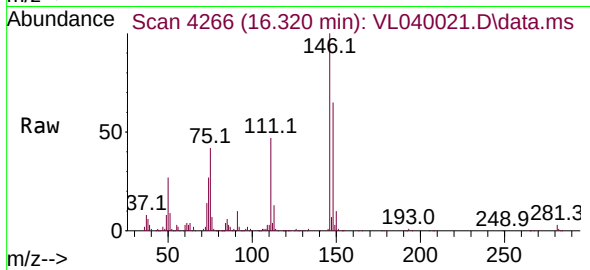
Tgt Ion:146 Resp: 218995

Ion Ratio Lower Upper

146 100

111 101.1 23.9 71.8#

148 135.2 32.0 96.2#



#76

1,4-Dichlorobenzene

Concen: 2.228 ppbv

RT: 16.461 min Scan# 4310

Delta R.T. -0.003 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

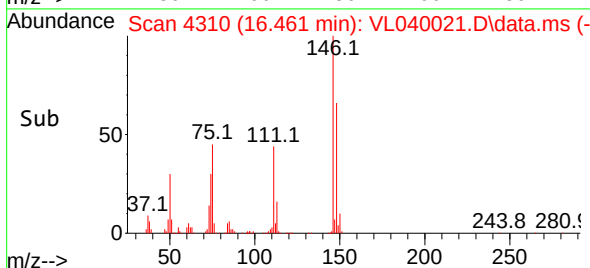
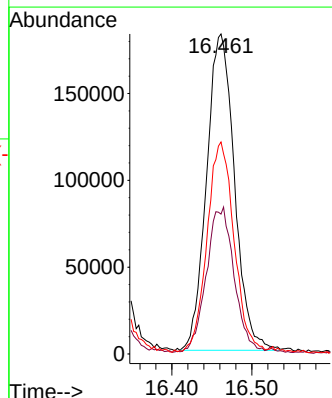
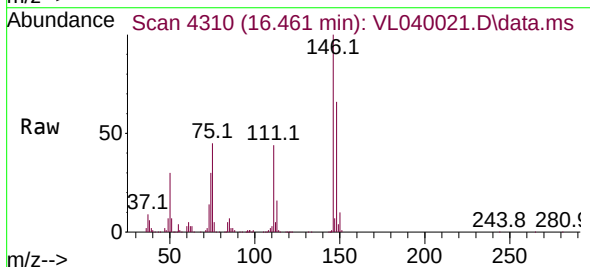
Tgt Ion:146 Resp: 443213

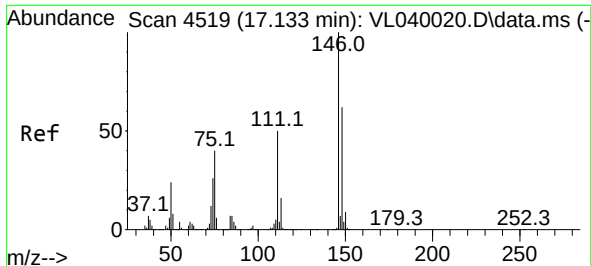
Ion Ratio Lower Upper

146 100

111 46.9 23.4 70.2

148 66.6 32.0 96.2

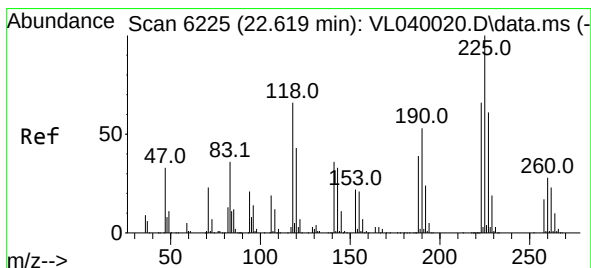
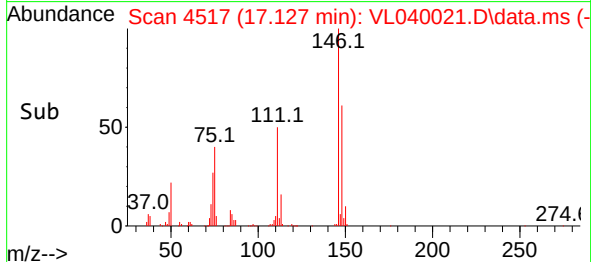
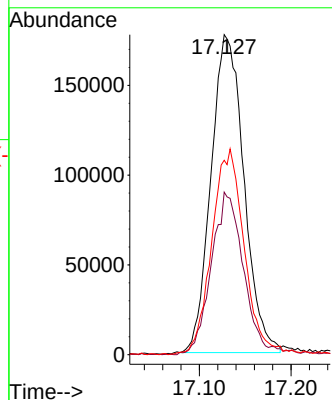
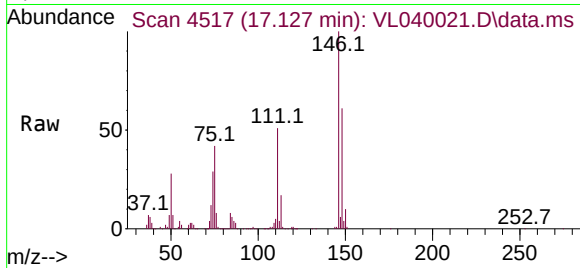




#77
1,2-Dichlorobenzene
Concen: 2.275 ppbv
RT: 17.127 min Scan# 4517
Delta R.T. -0.006 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

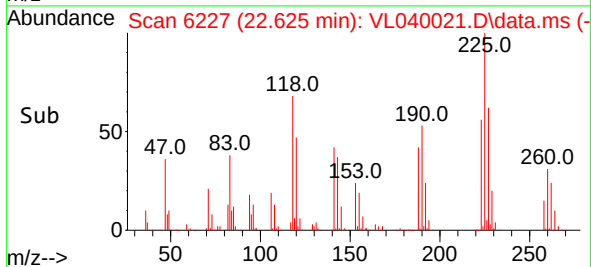
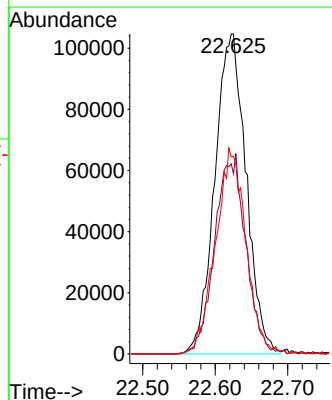
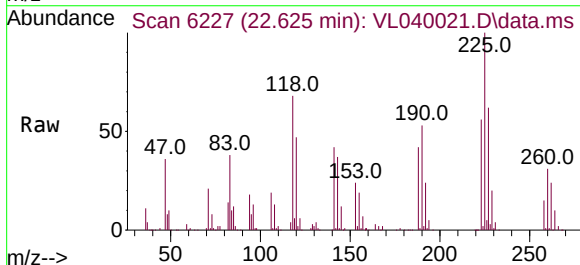
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

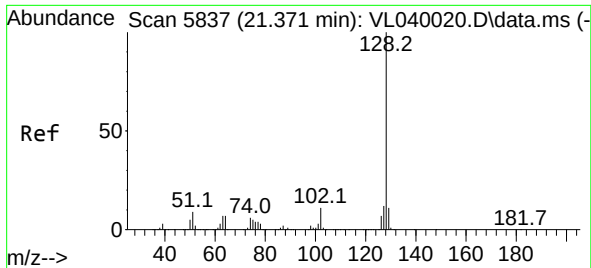
Tgt Ion:146 Resp: 441061
Ion Ratio Lower Upper
146 100
111 51.1 25.3 75.9
148 64.4 31.9 95.9



#78
Hexachloro-1,3-Butadiene
Concen: 2.340 ppbv
RT: 22.625 min Scan# 6227
Delta R.T. 0.006 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion:225 Resp: 313552
Ion Ratio Lower Upper
225 100
223 62.1 0.0 0.0#
227 62.6 0.0 0.0#

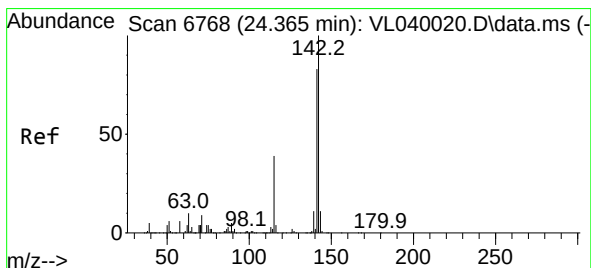
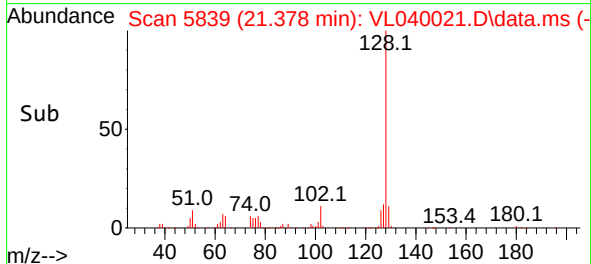
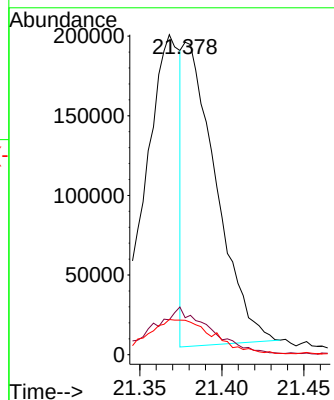
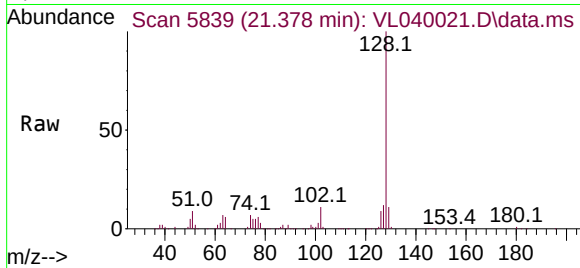




#79
Naphthalene
Concen: 1.206 ppbv
RT: 21.378 min Scan# 5839
Delta R.T. 0.006 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

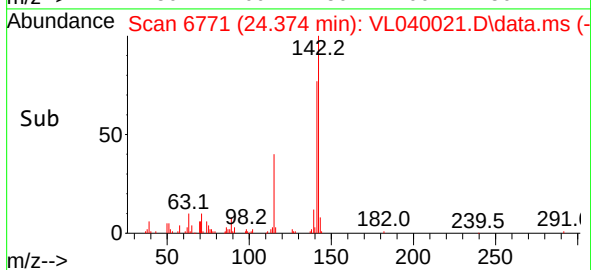
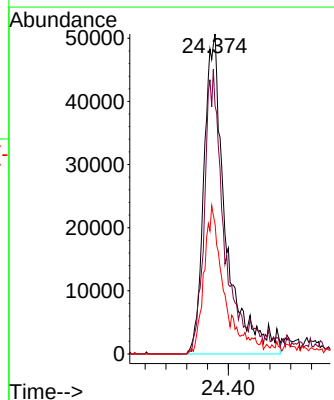
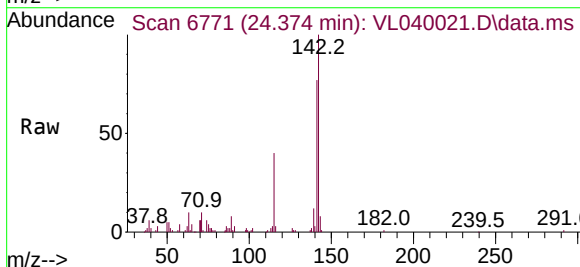
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

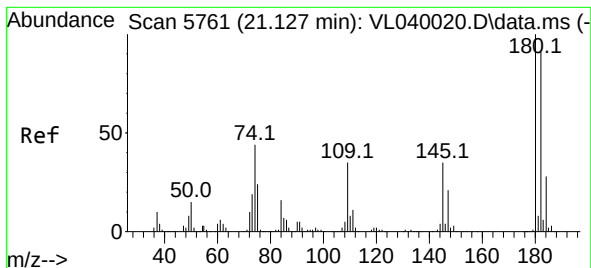
Tgt Ion:128 Resp: 264349
Ion Ratio Lower Upper
128 100
127 12.0 10.0 15.0
129 11.1 8.8 13.2



#80
Naphthalene,2-methyl-
Concen: 2.350 ppbv
RT: 24.374 min Scan# 6771
Delta R.T. 0.010 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion:142 Resp: 147853
Ion Ratio Lower Upper
142 100
141 86.5 65.3 97.9
115 43.7 31.9 47.9





#81

1,2,4-Trichlorobenzene

Concen: 1.218 ppbv

RT: 21.130 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL040021.D

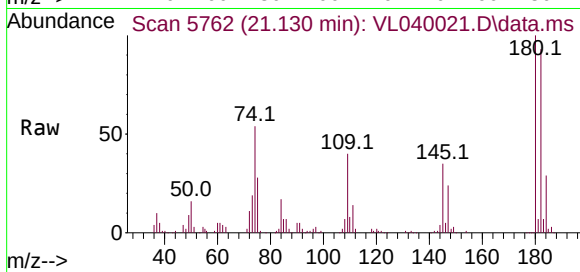
Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002



Tgt Ion:180 Resp: 158103

Ion Ratio Lower Upper

180 100

182 192.2 76.6 115.0#

184 62.0 24.9 37.3#

