

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL040003.D
 Acq On : 13 Dec 2022 8:50
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010EC

Quant Time: Dec 13 14:17:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 23:21:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.169	49	788282	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.632	114	2453598	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.446	117	2425084	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1811684	9.781	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.710	85	1024450	9.074	ppbv	99
3) Chlorodifluoromethane	2.652	51	1088159	10.003	ppbv	100
4) Chloromethane	2.793	50	618217	8.894	ppbv	95
5) Vinyl Chloride	2.899	62	576504	10.614	ppbv	97
6) Bromomethane	3.096	94	246586	13.309	ppbv	99
7) Chloroethane	3.176	64	215805	10.052	ppbv	99
8) Dichlorotetrafluoroethane	2.835	85	1363952	10.581	ppbv	99
9) Propene	2.674	41	475026	9.271	ppbv	98
10) Heptane	7.558	43	1218471	9.855	ppbv	98
11) Trichlorofluoromethane	3.542	101	1416584	10.287	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.044	101	1102962	10.583	ppbv	97
13) Ethanol	3.227	45	9422	2.408	ppbv #	1
14) Bromoethene	3.343	108	416681	10.252	ppbv	97
15) Acetone	3.446	43	1042861	9.974	ppbv	100
16) 1,3-Butadiene	2.964	39	534543	10.258	ppbv	98
17) tert-Butyl alcohol	3.854	59	1247427	10.377	ppbv	100
18) 1,1-Dichloroethene	3.858	96	480612	10.109	ppbv	97
19) Isopropyl Alcohol	3.552	45	536921	9.484	ppbv #	32
20) Methylene Chloride	3.912	84	414054	8.174	ppbv	97
21) Allyl Chloride	3.973	41	702888	9.691	ppbv	99
22) trans-1,2-Dichloroethene	4.423	96	488877	10.112	ppbv	97
23) Vinyl Acetate	4.604	43	183478	4.271	ppbv #	98
24) 1,1-Dichloroethane	4.539	63	1068057	10.312	ppbv	99
25) Ethyl Acetate	5.179	43	2271589	11.833	ppbv	99
26) Hexane	5.189	57	851746	10.157	ppbv	87
27) Carbon Disulfide	4.102	76	1069946	10.106	ppbv	99
28) Methyl tert-Butyl Ether	4.562	73	1044168	9.945	ppbv	100
29) Chloroform	5.253	83	1206546	10.826	ppbv	98
30) Cyclohexane	6.578	84	832402	10.115	ppbv	97
31) cis-1,2-Dichloroethene	5.057	61	805979	10.403	ppbv	97
32) 1,1,1-Trichloroethane	5.983	97	1418241	10.190	ppbv	98
34) 2-Butanone	4.764	43	1191510	10.149	ppbv	98
35) Carbon Tetrachloride	6.472	117	1425847	10.233	ppbv	98
36) Benzene	6.346	78	2073831	9.944	ppbv	96
37) 1,2-Dichloroethane	5.784	62	1098011	9.607	ppbv	99
38) Trichloroethene	7.272	130	951279	8.160	ppbv	99
39) 1,2-Dichloropropane	7.054	63	789902	9.721	ppbv	98
40) 1,4-Dioxane	7.266	88	328692	10.154	ppbv #	1
41) Tetrahydrofuran	5.533	42	798360	9.850	ppbv	96
42) Bromodichloromethane	7.227	83	1589018	10.252	ppbv	100
43) Methyl Methacrylate	7.452	69	873186	10.679	ppbv	97
44) 2,2,4-Trimethylpentane	7.304	57	3373783	9.690	ppbv	98
45) t-1,3-Dichloropropene	8.690	75	731321	9.681	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL040003.D
 Acq On : 13 Dec 2022 8:50
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

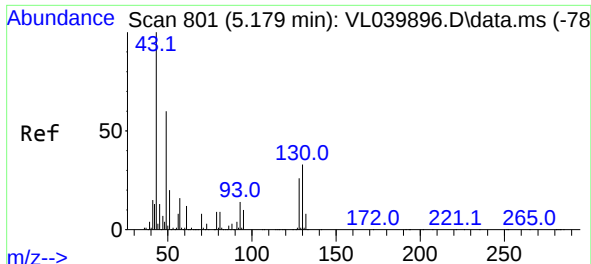
Quant Time: Dec 13 14:17:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 23:21:36 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	1017197	9.720	ppbv	98
47) 1,1,2-Trichloroethane	8.880	97	846216	10.133	ppbv	97
48) Dibromochloromethane	9.690	129	1340304	10.958	ppbv	100
49) Bromoform	12.388	173	1118669	11.299	ppbv	100
50) 4-Methyl-2-Pentanone	8.160	43	2088119	9.931	ppbv	100
51) 2-Hexanone	9.529	43	1634471	10.013	ppbv #	100
52) Tetrachloroethene	10.597	164	730773	9.367	ppbv	98
53) Toluene	9.201	91	2372083	9.984	ppbv	99
54) 1,2-Dibromoethane	9.986	107	1082896	12.151	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.487	131	1036260	10.454	ppbv	95
57) Chlorobenzene	11.507	112	1785858	9.631	ppbv	98
58) Ethyl Benzene	12.069	91	3153385	9.585	ppbv	97
59) m/p-Xylene	12.352	91	2751634	9.993	ppbv #	38
60) o-Xylene	13.040	91	2496646	9.507	ppbv	100
61) Styrene	12.880	104	1538999	9.818	ppbv	98
62) Isopropylbenzene	14.011	105	3843837	10.151	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.031	83	1370700	15.632	ppbv	100
64) n-propylbenzene	14.902	120	1017142	10.268	ppbv	94
65) tert-Butylbenzene	16.076	119	3342361	10.089	ppbv	98
66) Benzyl Chloride	16.310	91	119713	4.217	ppbv #	82
67) sec-Butylbenzene	16.619	105	4707257	10.335	ppbv	99
69) p-Isopropyltoluene	16.979	119	3877328	10.334	ppbv	97
70) n-Butylbenzene	17.870	91	3904025	10.495	ppbv	99
71) 2-Chlorotoluene	14.783	91	2874445	10.015	ppbv	100
72) 4-Ethyltoluene	15.179	105	2946124	9.981	ppbv	99
73) 1,3,5-Trimethylbenzene	15.333	105	2656785	9.832	ppbv	99
74) 1,2,4-Trimethylbenzene	16.092	105	2803008	9.798	ppbv	97
75) 1,3-Dichlorobenzene	16.314	146	1602517	9.957	ppbv	100
76) 1,4-Dichlorobenzene	16.458	146	1550725	9.719	ppbv	98
77) 1,2-Dichlorobenzene	17.124	146	1549558	9.986	ppbv	100
78) Hexachloro-1,3-Butadiene	22.616	225	1063810	9.880	ppbv	100
79) Naphthalene	21.365	128	2211831	12.919	ppbv	99
80) Naphthalene,2-methyl-	24.362	142	619371	12.862	ppbv	95
81) 1,2,4-Trichlorobenzene	21.127	180	1151735	10.893	ppbv	100

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

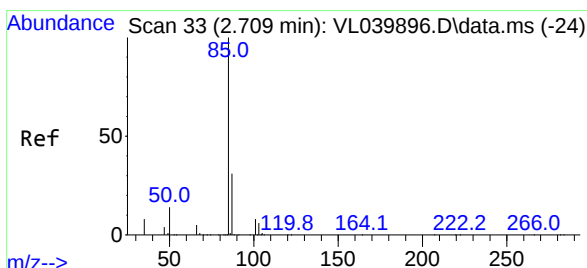
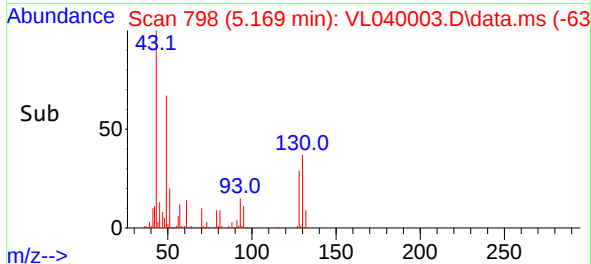
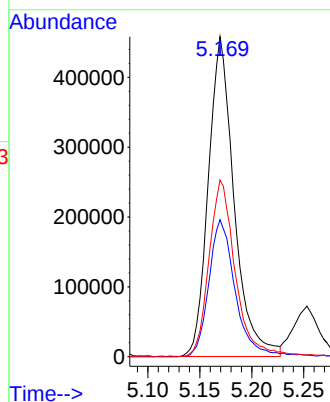
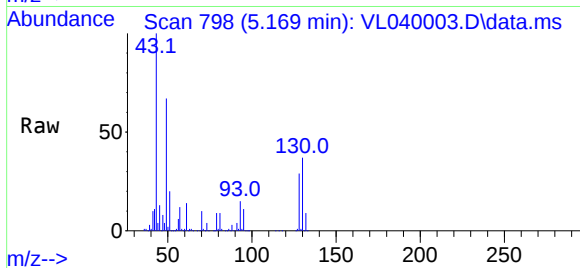
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 79
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

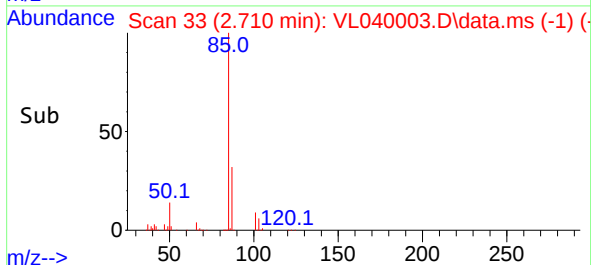
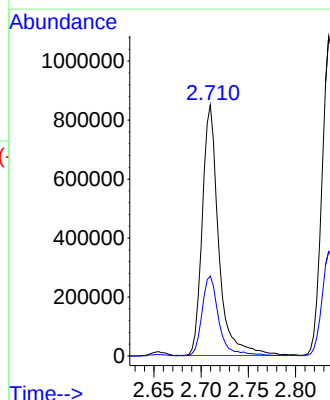
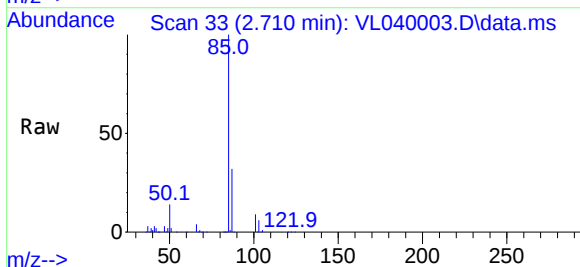
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ClientSampleId :
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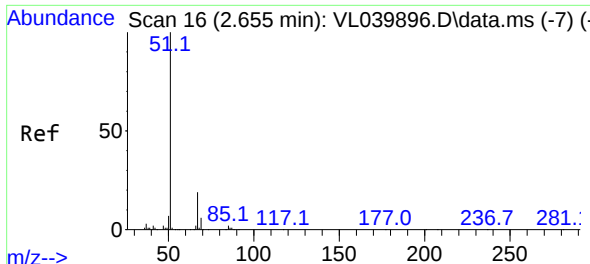
Tgt Ion: 49 Resp: 788282
Ion Ratio Lower Upper
49 100
128 44.3 22.1 66.3
130 57.3 27.7 83.1



#2
Dichlorodifluoromethane
Concen: 9.074 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 85 Resp: 1024450
Ion Ratio Lower Upper
85 100
87 31.8 25.0 37.4

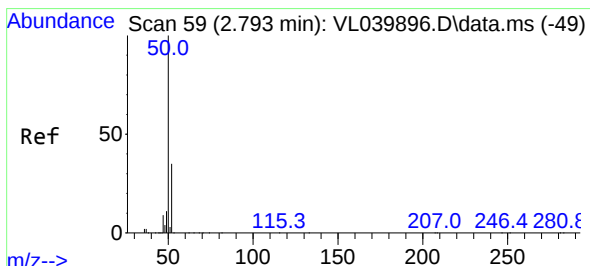
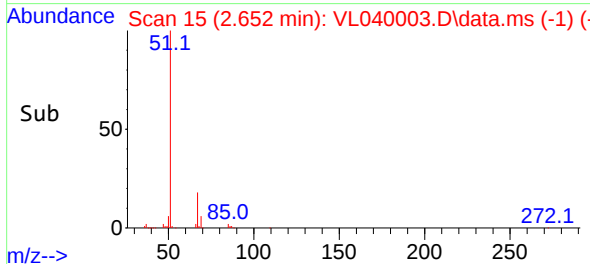
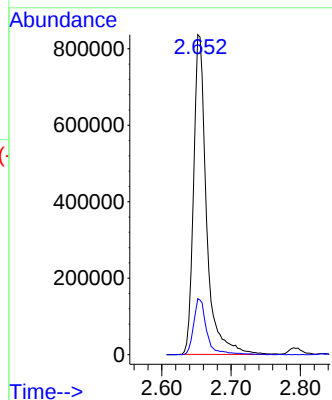
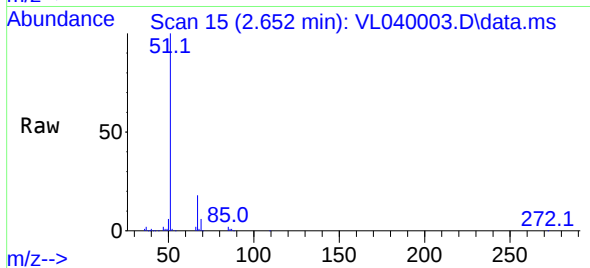




#3
Chlorodifluoromethane
Concen: 10.003 ppbv
RT: 2.652 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

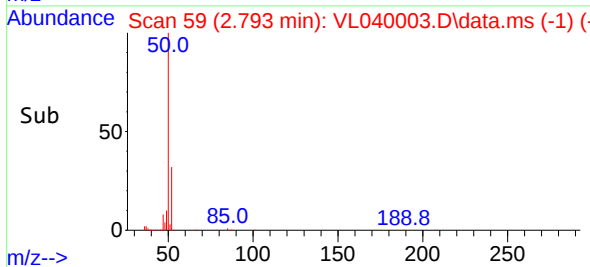
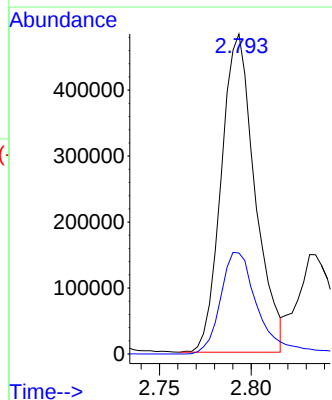
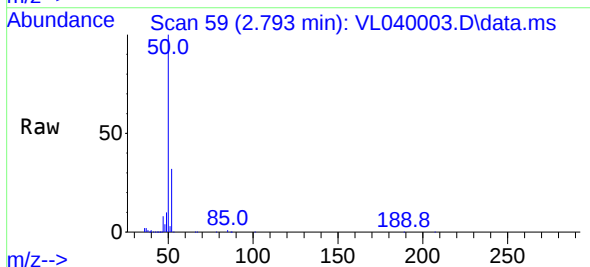
Instrument :
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ClientSampleId :
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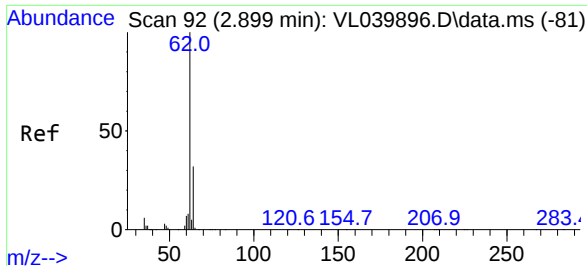
Tgt Ion: 51 Resp: 1088159
Ion Ratio Lower Upper
51 100
67 17.8 14.2 21.4



#4
Chloromethane
Concen: 8.894 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 50 Resp: 618217
Ion Ratio Lower Upper
50 100
52 31.7 27.8 41.8

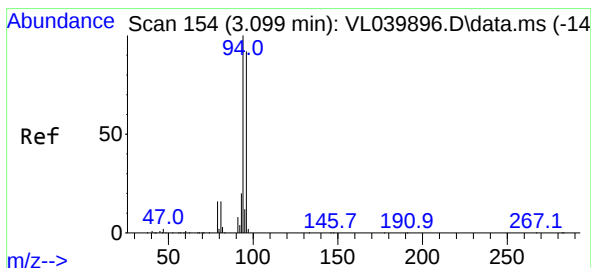
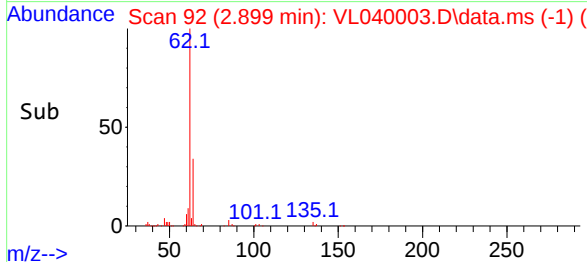
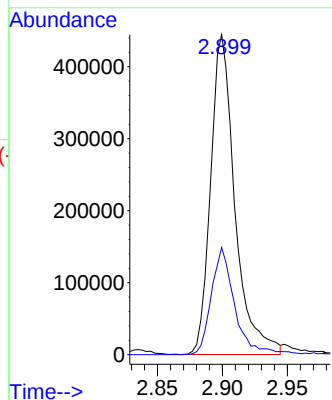
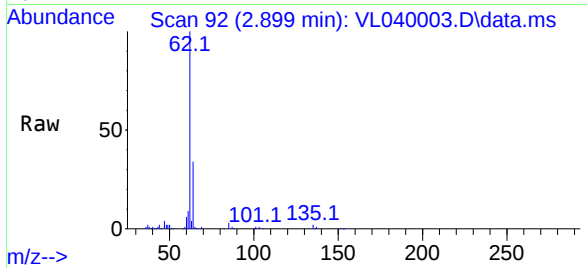




#5
 Vinyl Chloride
 Concen: 10.614 ppbv
 RT: 2.899 min Scan# 91
 Delta R.T. 0.013 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

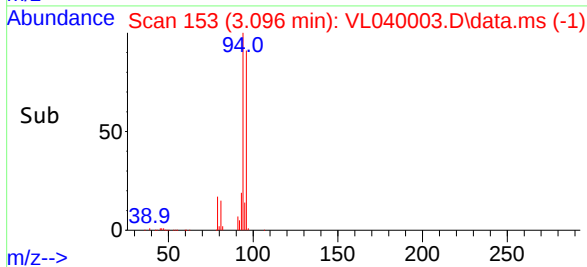
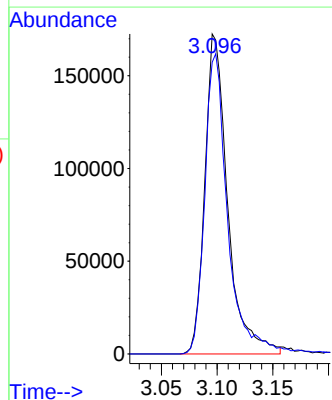
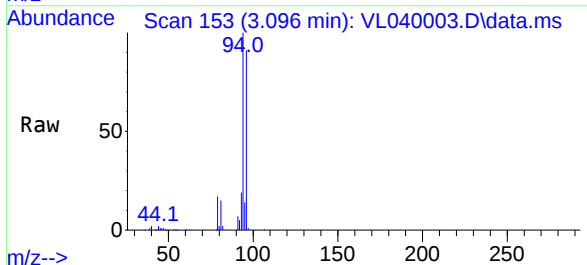
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

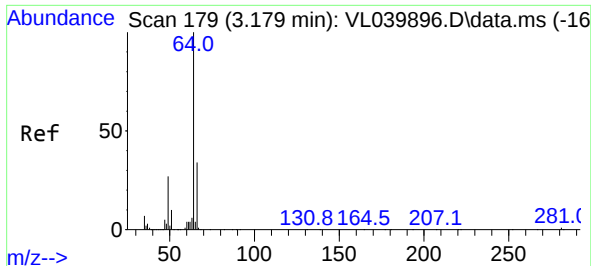
Tgt Ion: 62 Resp: 576504
 Ion Ratio Lower Upper
 62 100
 64 33.5 25.7 38.5



#6
 Bromomethane
 Concen: 13.309 ppbv
 RT: 3.096 min Scan# 153
 Delta R.T. 0.010 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

Tgt Ion: 94 Resp: 246586
 Ion Ratio Lower Upper
 94 100
 96 91.2 73.7 110.5

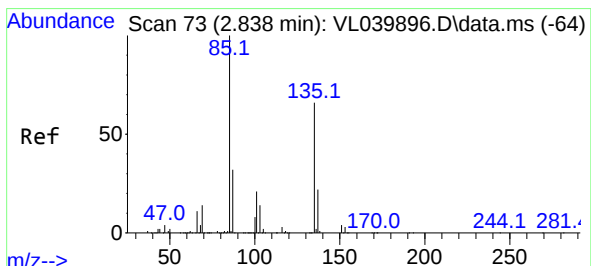
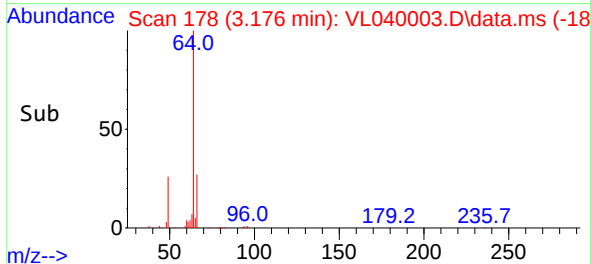
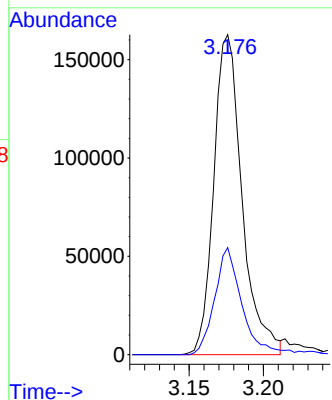
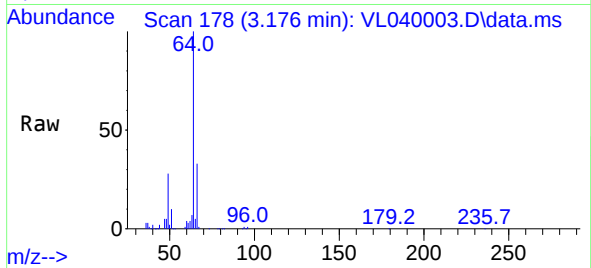




#7
Chloroethane
Concen: 10.052 ppbv
RT: 3.176 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

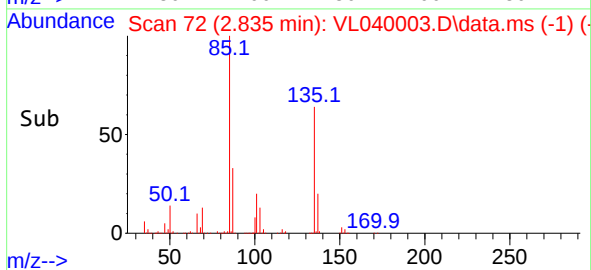
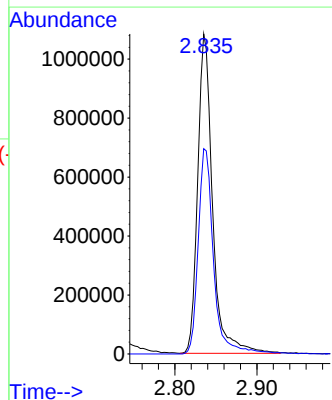
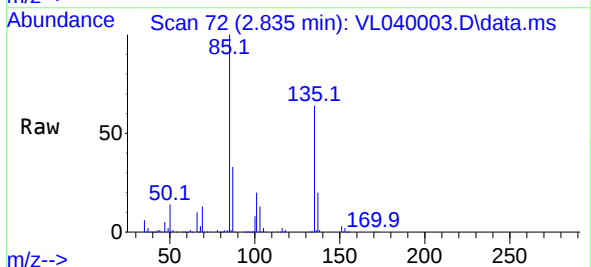
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 215805
Ion Ratio Lower Upper
64 100
66 33.5 27.3 40.9

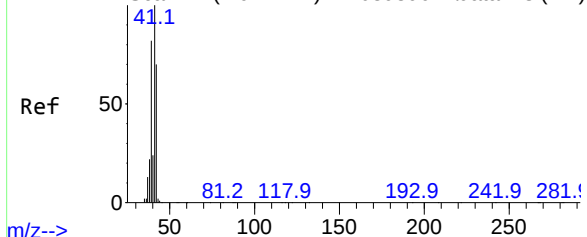


#8
Dichlorotetrafluoroethane
Concen: 10.581 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.010 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

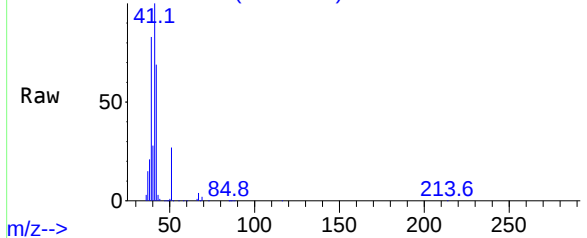
Tgt Ion: 85 Resp: 1363952
Ion Ratio Lower Upper
85 100
135 66.8 54.1 81.1



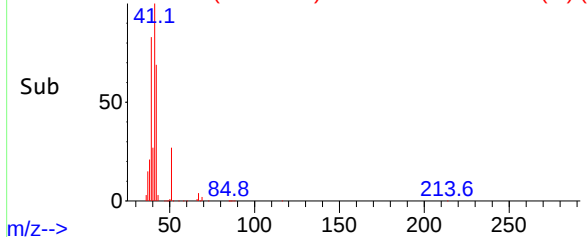
Abundance Scan 22 (2.674 min): VL039896.D\data.ms (-12)



Abundance Scan 22 (2.674 min): VL040003.D\data.ms



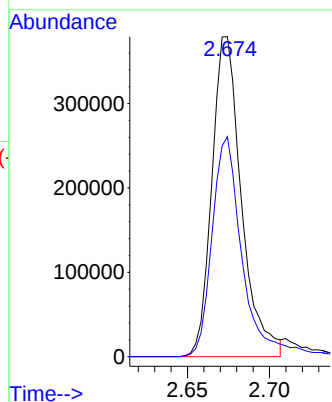
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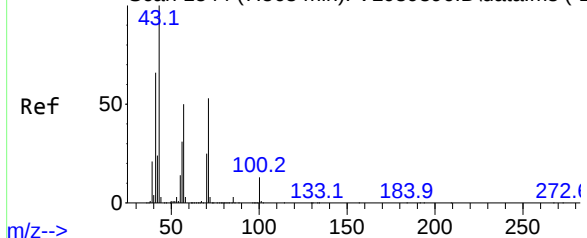
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Propene
Concen: 9.271 ppbv
RT: 2.674 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

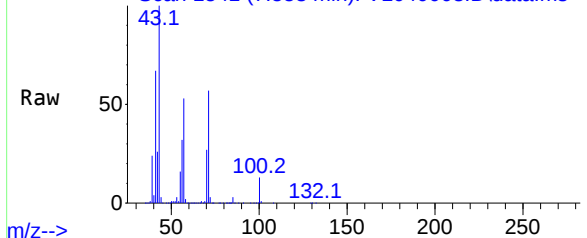
Tgt Ion: 41 Resp: 475026
Ion Ratio Lower Upper
41 100
42 71.4 55.8 83.6



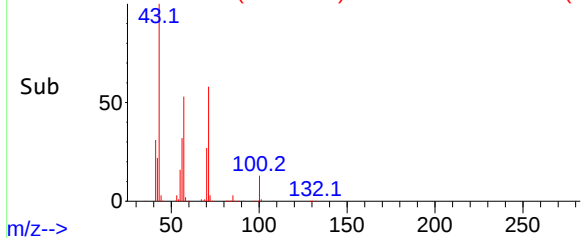
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Abundance Scan 1541 (7.558 min): VL040003.D\data.ms

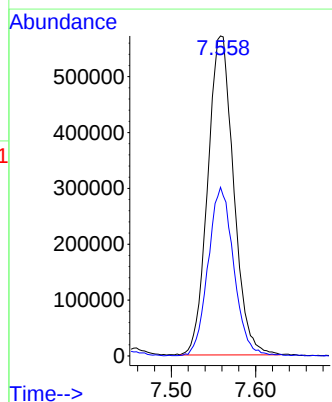


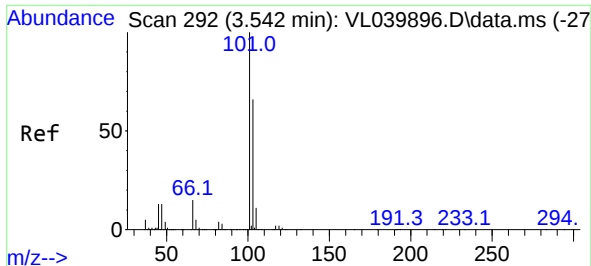
Abundance Scan 1541 (7.558 min): VL040003.D\data.ms (-1)



#10
Heptane
Concen: 9.855 ppbv
RT: 7.558 min Scan# 1541
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 43 Resp: 1218471
Ion Ratio Lower Upper
43 100
57 52.5 40.7 61.1

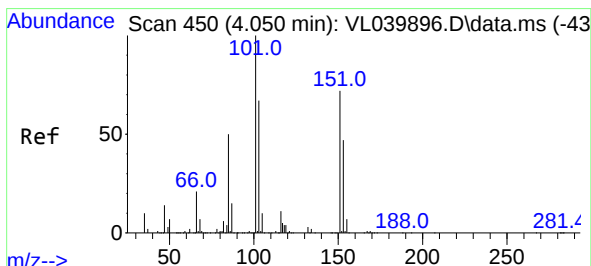
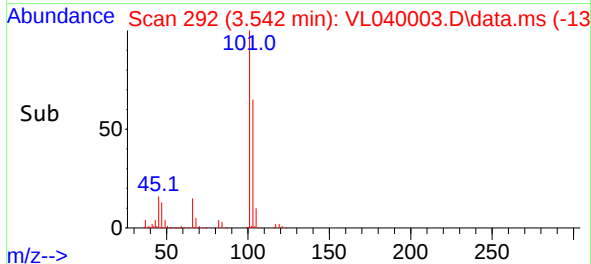
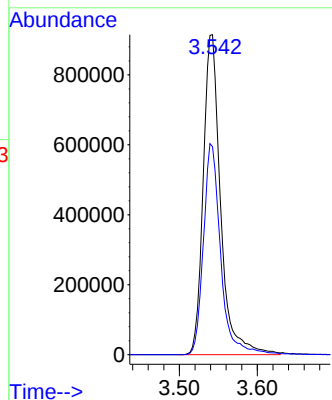
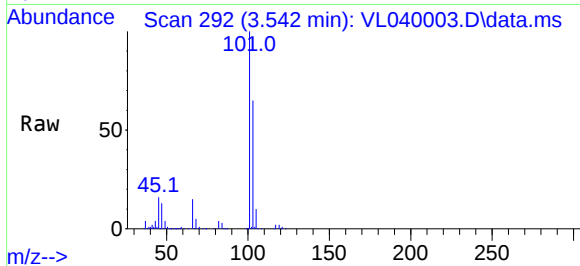




#11
 Trichlorofluoromethane
 Concen: 10.287 ppbv
 RT: 3.542 min Scan# 292
 Delta R.T. 0.013 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

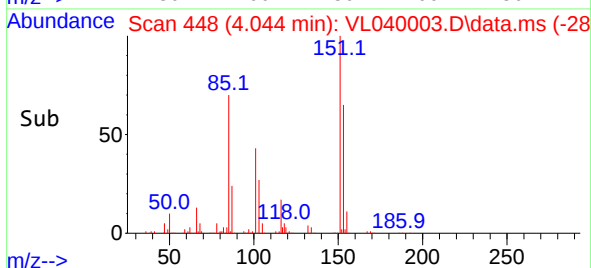
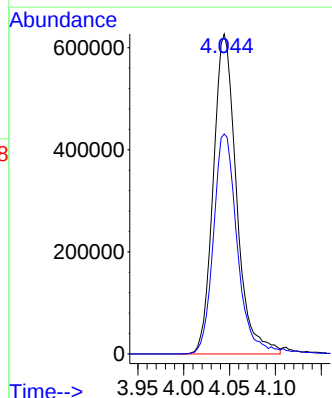
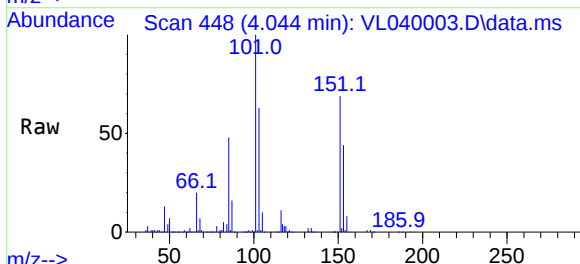
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

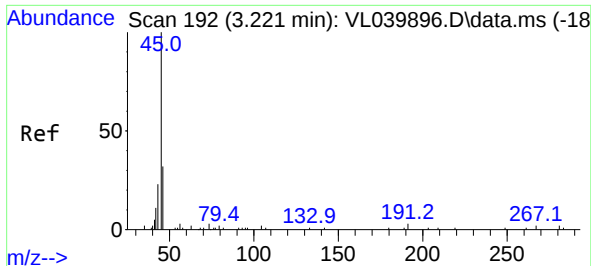
Tgt Ion:101 Resp: 1416584
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.583 ppbv
 RT: 4.044 min Scan# 448
 Delta R.T. 0.013 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

Tgt Ion:101 Resp: 1102962
 Ion Ratio Lower Upper
 101 100
 151 71.6 59.6 89.4





#13

Ethanol

Concen: 2.408 ppbv

RT: 3.227 min Scan# 19

Delta R.T. 0.013 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

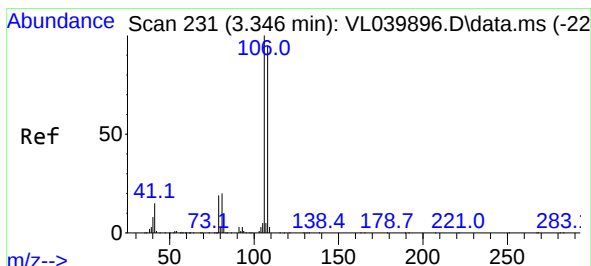
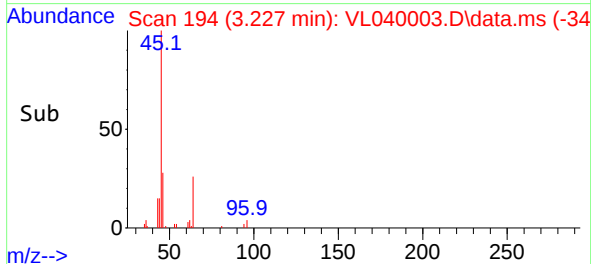
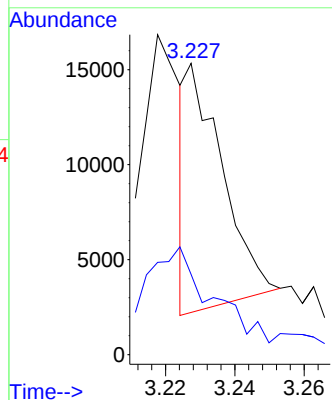
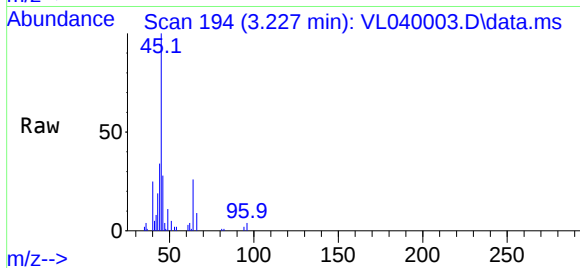
VSTDCCC010EC

Tgt Ion: 45 Resp: 9422

Ion Ratio Lower Upper

45 100

46 110.1 14.6 58.2#



#14

Bromoethene

Concen: 10.252 ppbv

RT: 3.343 min Scan# 230

Delta R.T. 0.013 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

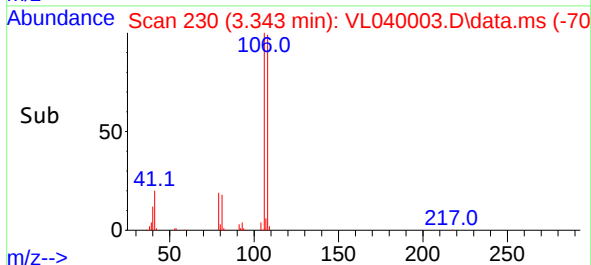
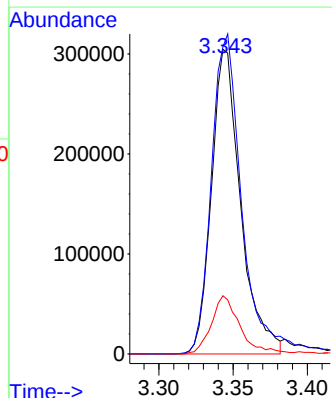
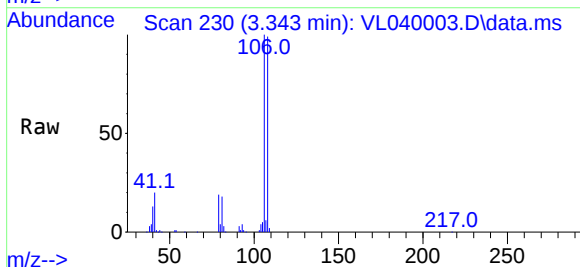
Tgt Ion: 108 Resp: 416681

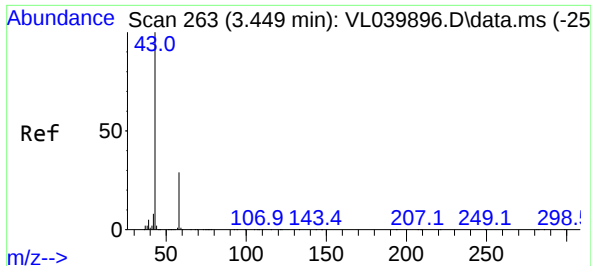
Ion Ratio Lower Upper

108 100

106 112.1 87.3 130.9

79 19.4 15.9 23.9

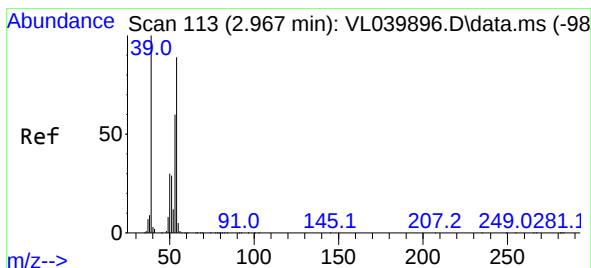
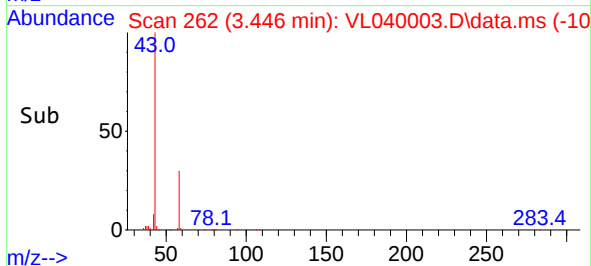
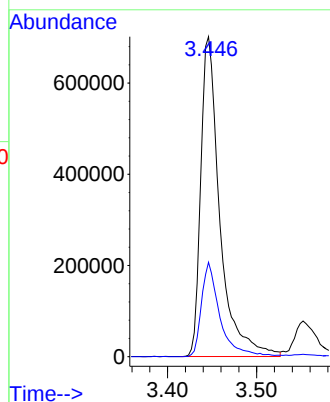
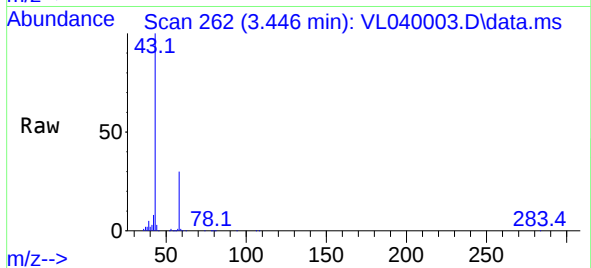




#15
Acetone
Concen: 9.974 ppbv
RT: 3.446 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

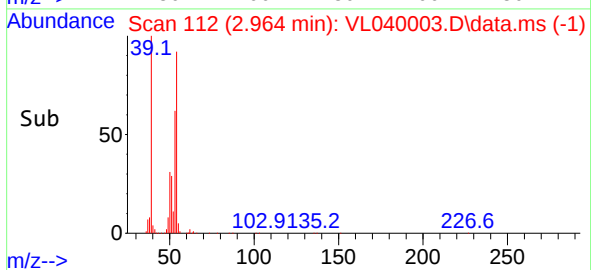
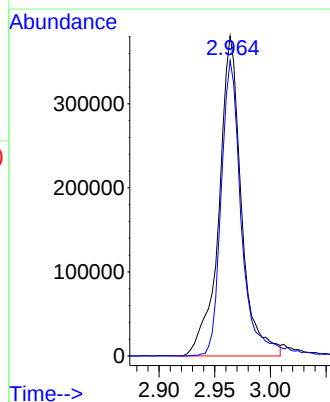
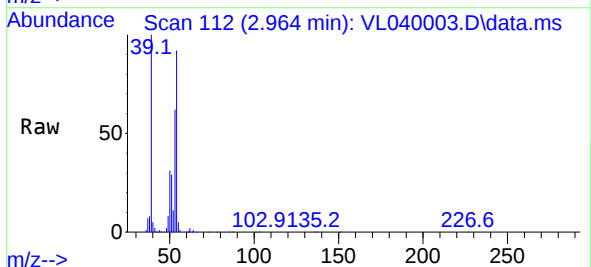
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

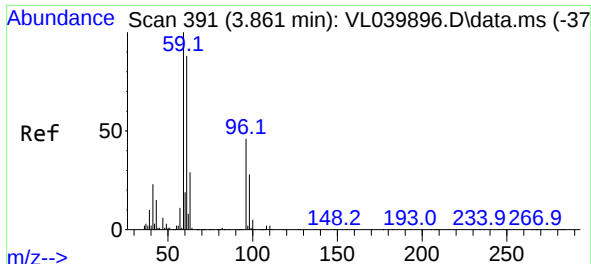
Tgt Ion: 43 Resp: 1042861
Ion Ratio Lower Upper
43 100
58 28.7 22.9 34.3



#16
1,3-Butadiene
Concen: 10.258 ppbv
RT: 2.964 min Scan# 112
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 39 Resp: 534543
Ion Ratio Lower Upper
39 100
54 85.0 66.6 99.8





#17

tert-Butyl alcohol

Concen: 10.377 ppbv

RT: 3.854 min Scan# 391

Delta R.T. 0.010 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

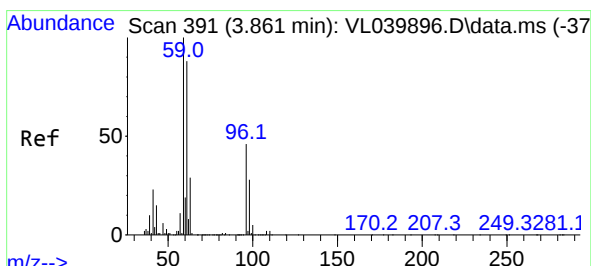
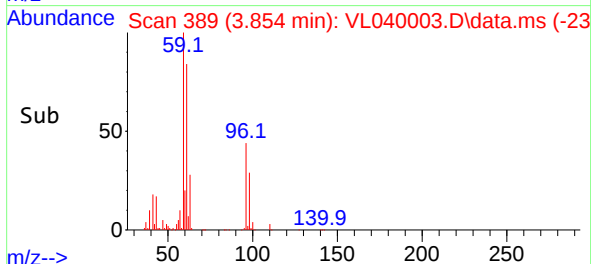
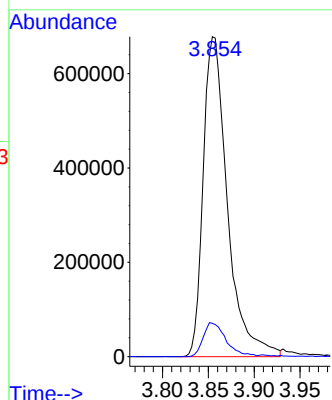
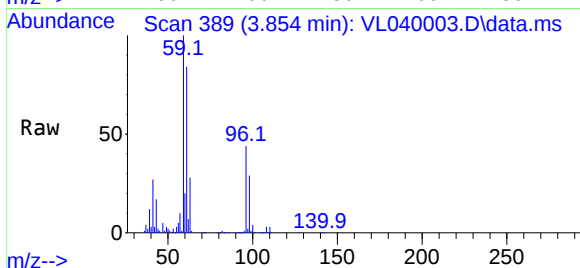
VSTDCCC010EC

Tgt Ion: 59 Resp: 1247427

Ion Ratio Lower Upper

59 100

57 10.4 8.3 12.5



#18

1,1-Dichloroethene

Concen: 10.109 ppbv

RT: 3.858 min Scan# 390

Delta R.T. 0.013 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

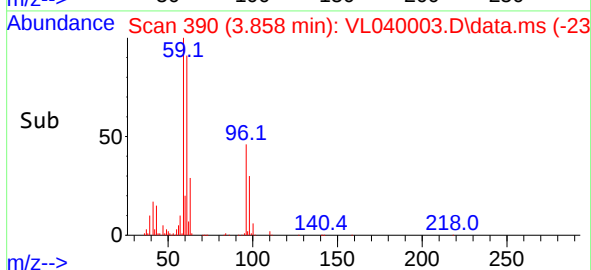
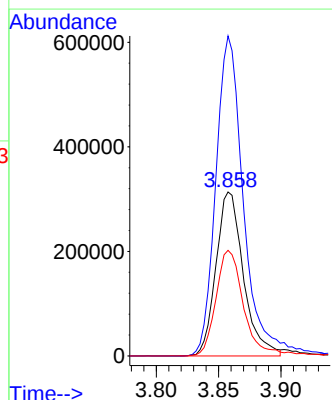
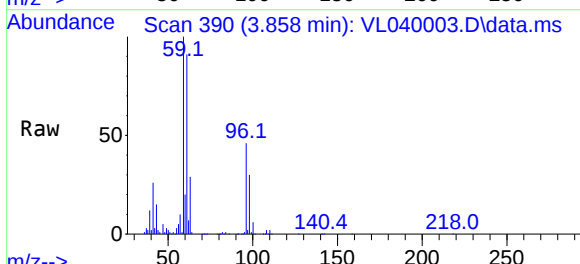
Tgt Ion: 96 Resp: 480612

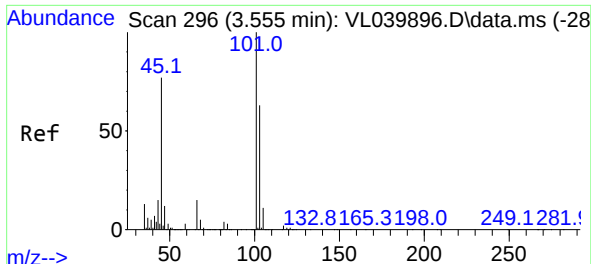
Ion Ratio Lower Upper

96 100

61 195.1 153.4 230.2

98 64.4 48.9 73.3





#19

Isopropyl Alcohol

Concen: 9.484 ppbv

RT: 3.552 min Scan# 296

Delta R.T. 0.010 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

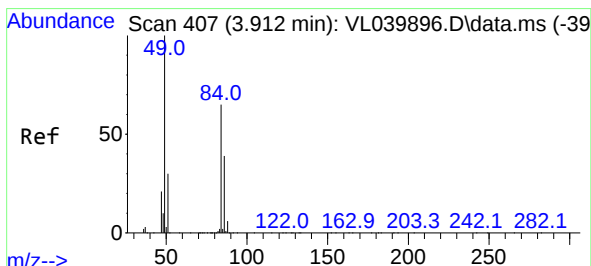
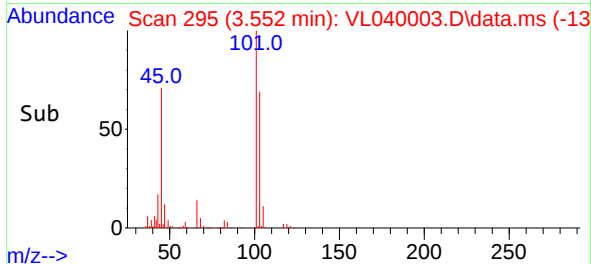
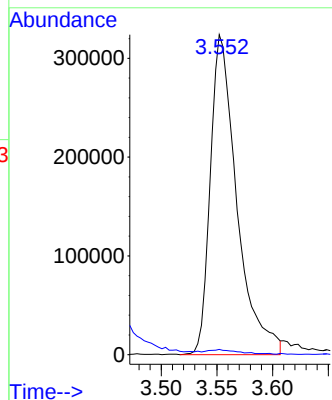
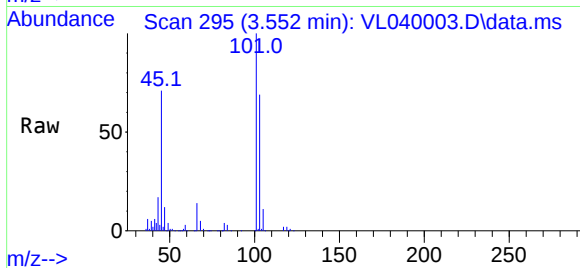
VSTDCCC010EC

Tgt Ion: 45 Resp: 536921

Ion Ratio Lower Upper

45 100

58 2.4 38.7 58.1#



#20

Methylene Chloride

Concen: 8.174 ppbv

RT: 3.912 min Scan# 407

Delta R.T. 0.016 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Tgt Ion: 84 Resp: 414054

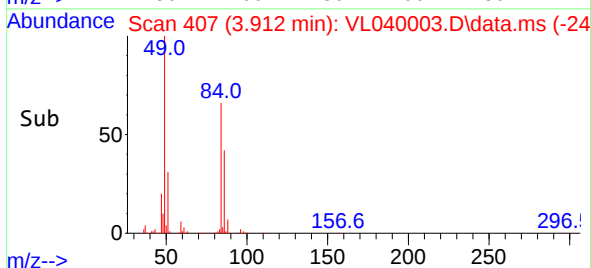
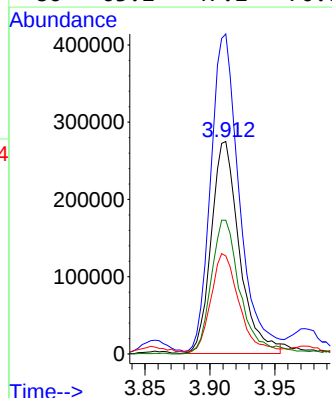
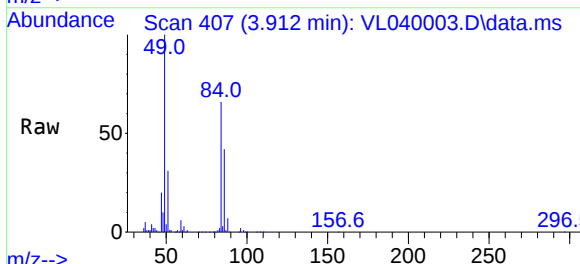
Ion Ratio Lower Upper

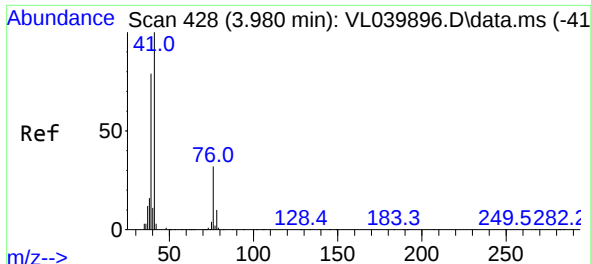
84 100

49 149.1 122.2 183.4

51 45.1 36.3 54.5

86 63.2 47.2 70.8





#21

Allyl Chloride

Concen: 9.691 ppbv

RT: 3.973 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

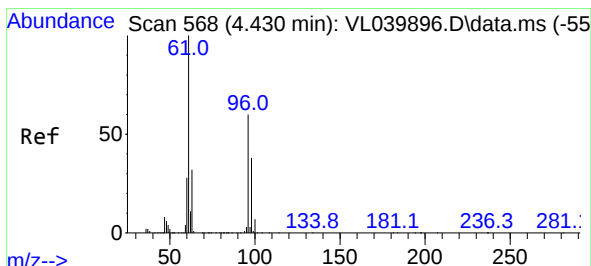
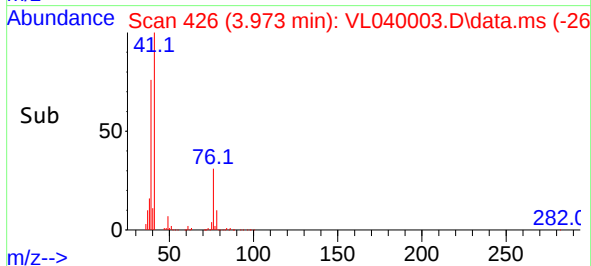
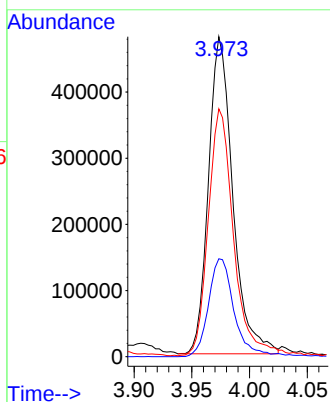
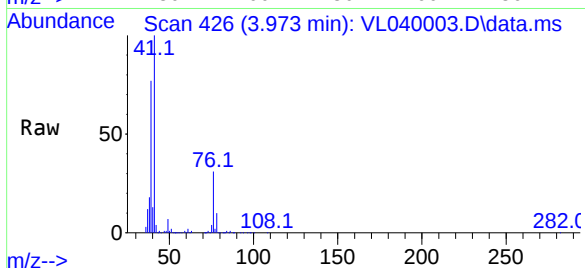
Tgt Ion: 41 Resp: 702888

Ion Ratio Lower Upper

41 100

76 32.9 25.6 38.4

39 81.6 65.2 97.8



#22

trans-1,2-Dichloroethene

Concen: 10.112 ppbv

RT: 4.423 min Scan# 566

Delta R.T. 0.013 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

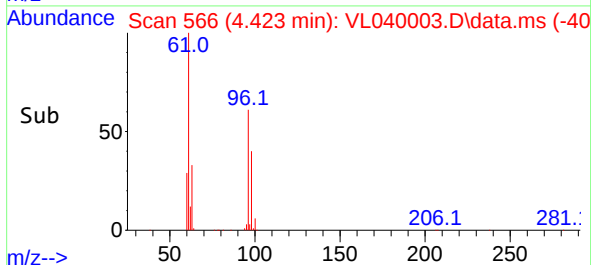
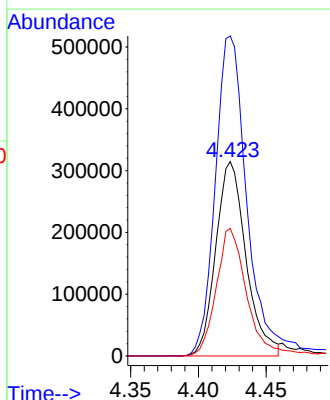
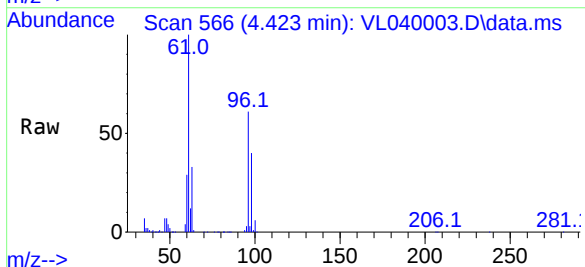
Tgt Ion: 96 Resp: 488877

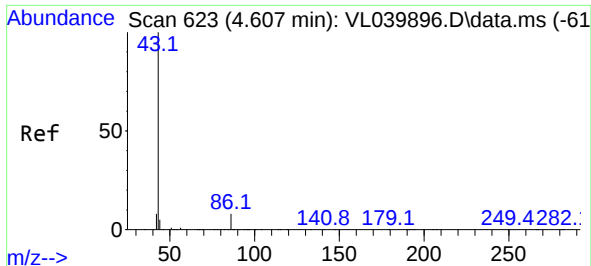
Ion Ratio Lower Upper

96 100

61 164.6 134.1 201.1

98 65.6 50.4 75.6

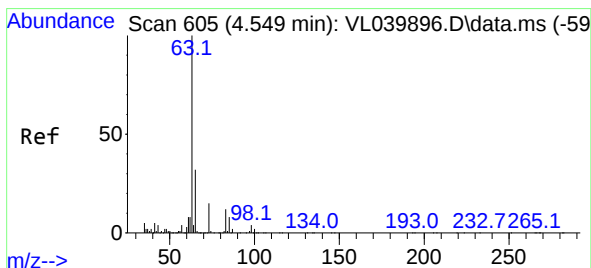
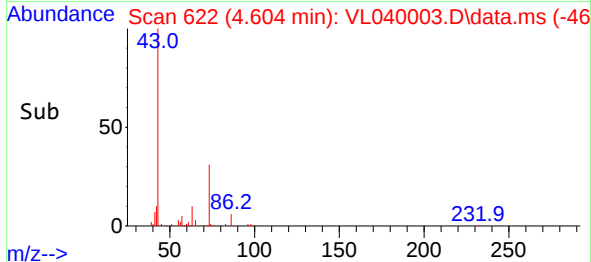
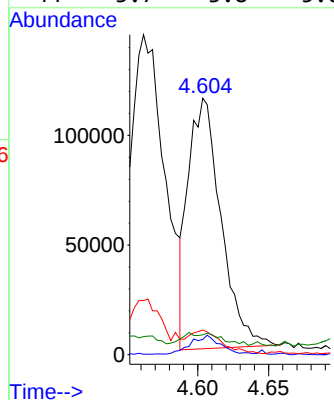
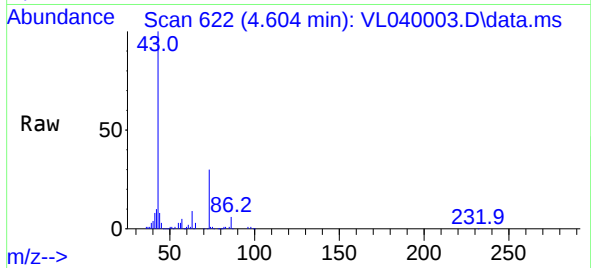




#23
 Vinyl Acetate
 Concen: 4.271 ppbv
 RT: 4.604 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

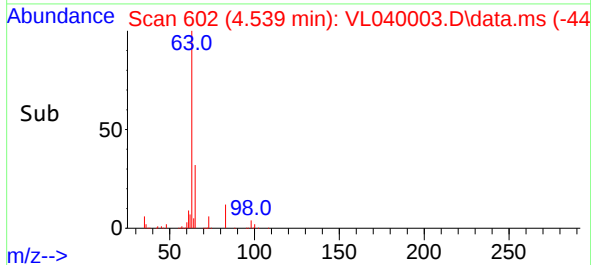
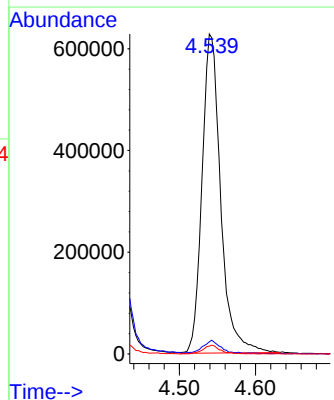
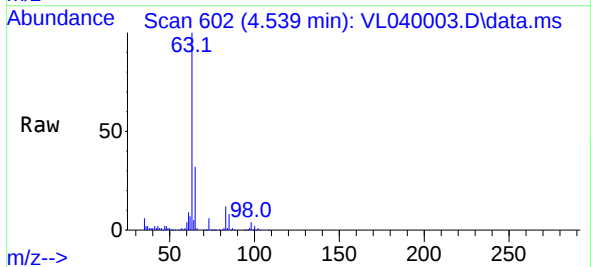
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010EC

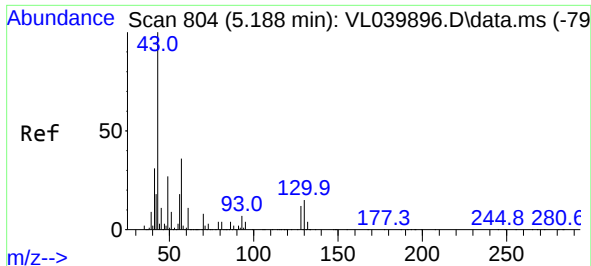
Tgt Ion: 43 Resp: 183478
 Ion Ratio Lower Upper
 43 100
 86 5.5 5.0 7.4
 42 8.6 7.6 11.4
 44 3.7 3.8 5.6#



#24
 1,1-Dichloroethane
 Concen: 10.312 ppbv
 RT: 4.539 min Scan# 602
 Delta R.T. 0.010 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

Tgt Ion: 63 Resp: 1068057
 Ion Ratio Lower Upper
 63 100
 98 3.7 2.1 6.5
 100 2.4 1.1 3.5





#25

Ethyl Acetate

Concen: 11.833 ppbv

RT: 5.179 min Scan# 804

Delta R.T. 0.010 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2271589

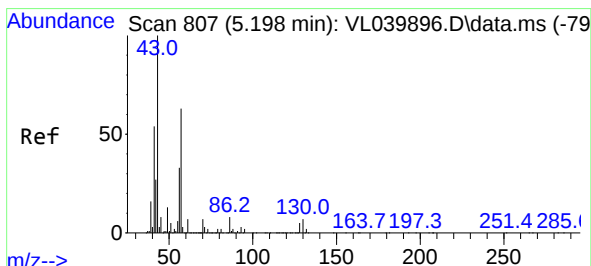
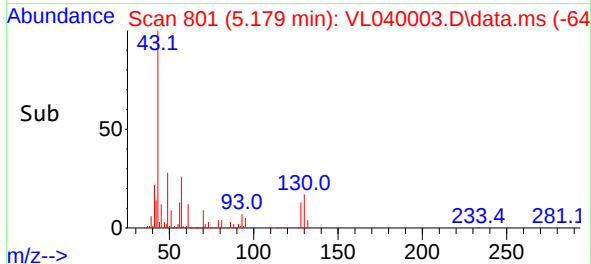
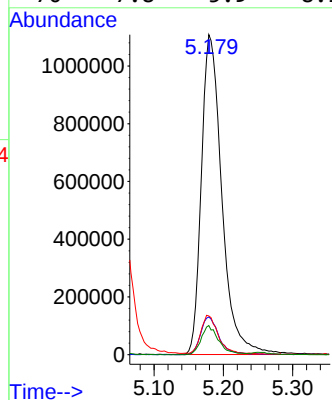
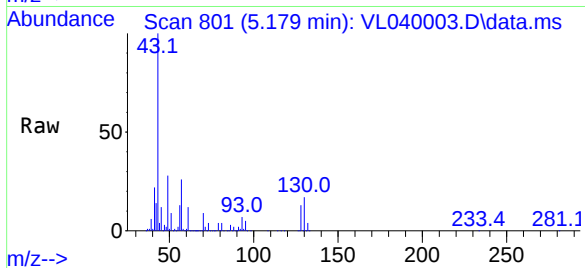
Ion Ratio Lower Upper

43 100

45 10.9 8.4 12.6

61 10.9 8.5 12.7

70 7.8 5.9 8.9



#26

Hexane

Concen: 10.157 ppbv

RT: 5.189 min Scan# 804

Delta R.T. 0.013 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Tgt Ion: 57 Resp: 851746

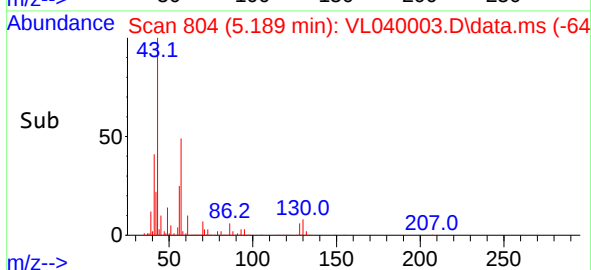
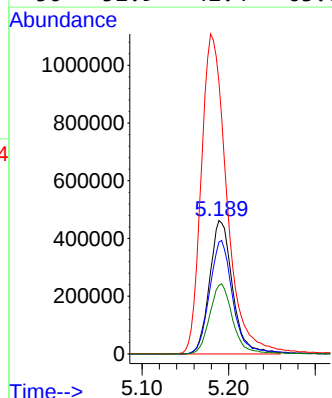
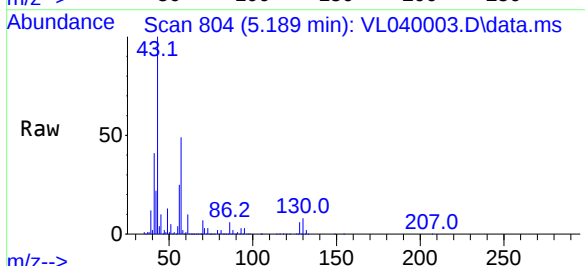
Ion Ratio Lower Upper

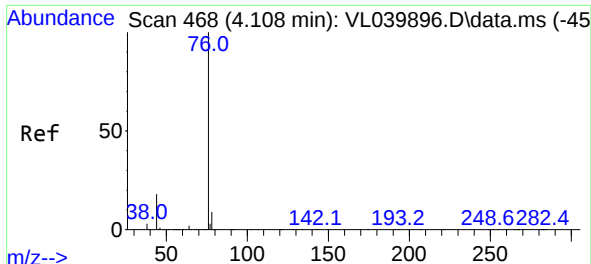
57 100

41 86.9 72.3 108.5

43 269.3 188.7 283.1

56 52.9 42.4 63.6

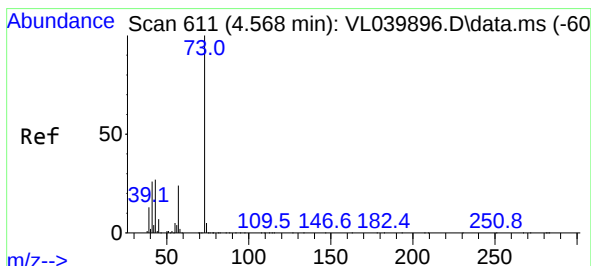
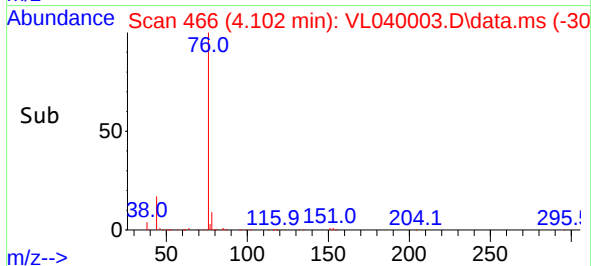
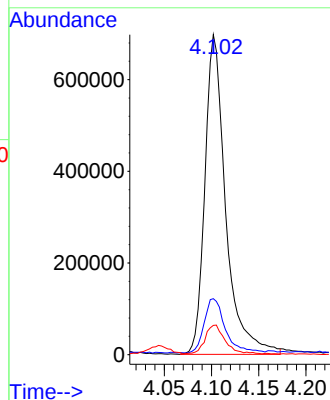
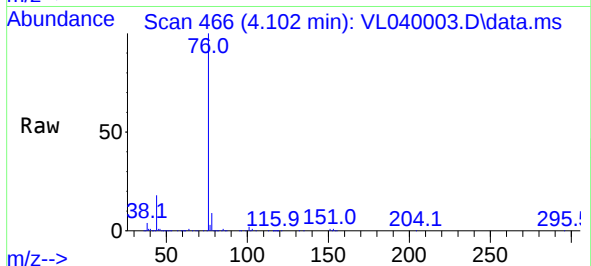




#27
Carbon Disulfide
Concen: 10.106 ppbv
RT: 4.102 min Scan# 409
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

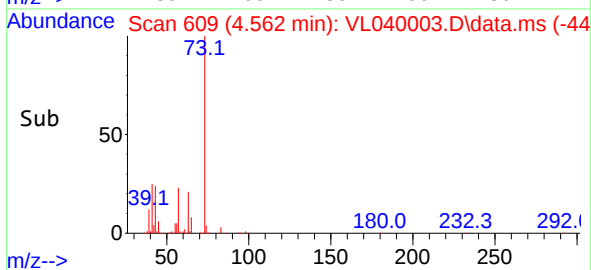
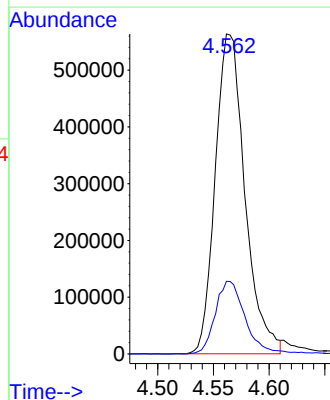
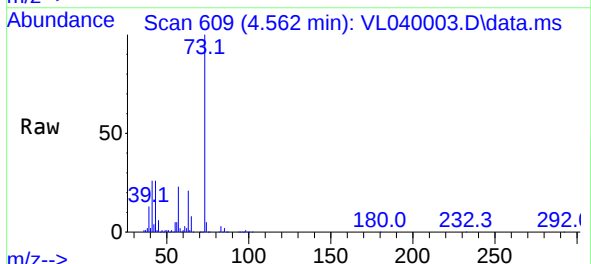
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010EC

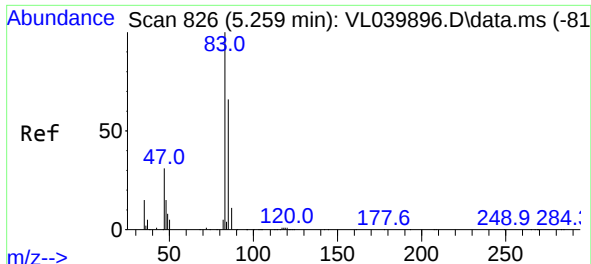
Tgt Ion: 76 Resp: 1069946
Ion Ratio Lower Upper
76 100
44 17.9 14.7 22.1
78 9.4 7.8 11.8



#28
Methyl tert-Butyl Ether
Concen: 9.945 ppbv
RT: 4.562 min Scan# 609
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 73 Resp: 1044168
Ion Ratio Lower Upper
73 100
57 23.4 18.9 28.3





#29

Chloroform

Concen: 10.826 ppbv

RT: 5.253 min Scan# 81

Delta R.T. 0.016 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

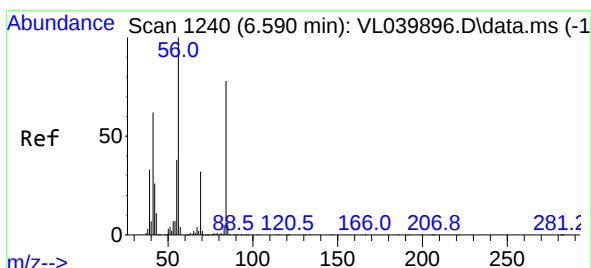
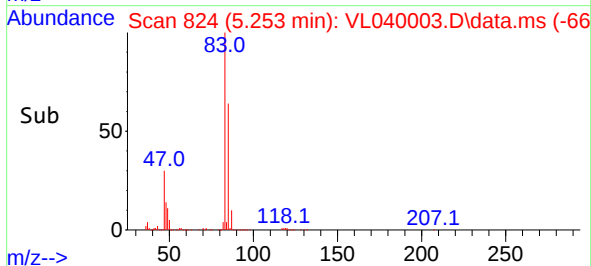
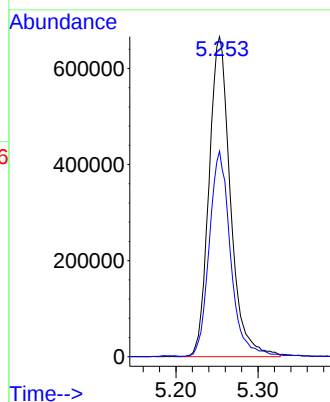
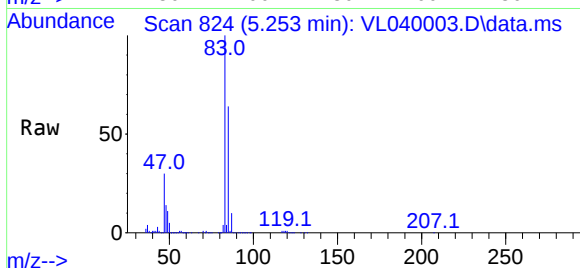
VSTDCCC010EC

Tgt Ion: 83 Resp: 1206546

Ion Ratio Lower Upper

83 100

85 64.1 52.4 78.6



#30

Cyclohexane

Concen: 10.115 ppbv

RT: 6.578 min Scan# 1236

Delta R.T. 0.013 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

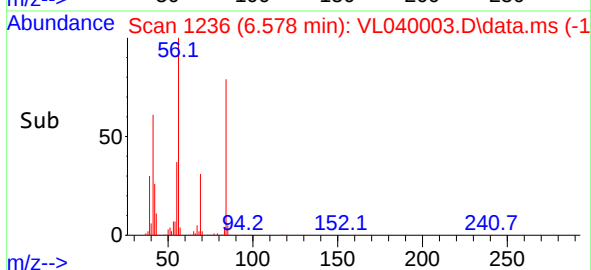
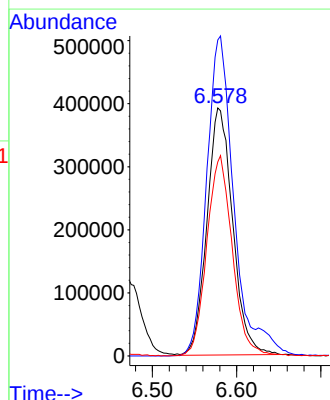
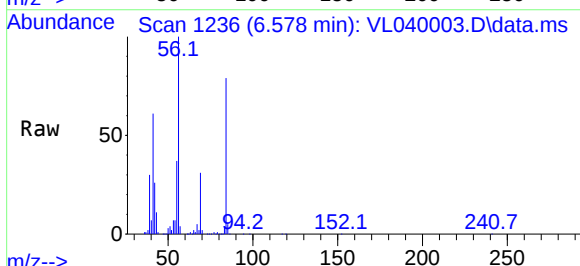
Tgt Ion: 84 Resp: 832402

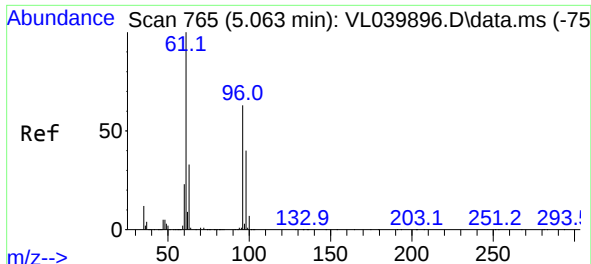
Ion Ratio Lower Upper

84 100

56 137.9 112.5 168.7

41 80.4 67.8 101.8

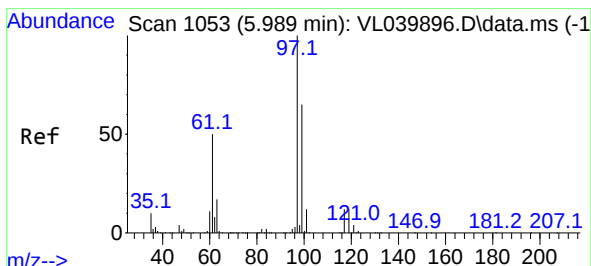
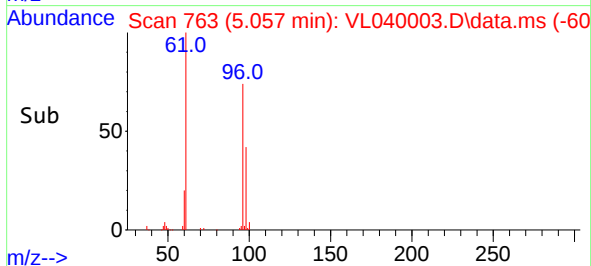
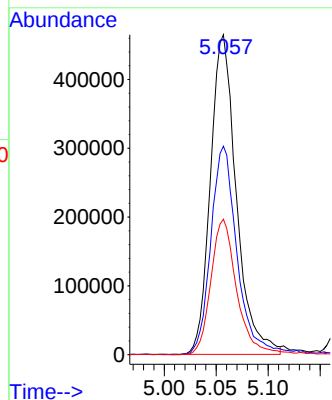
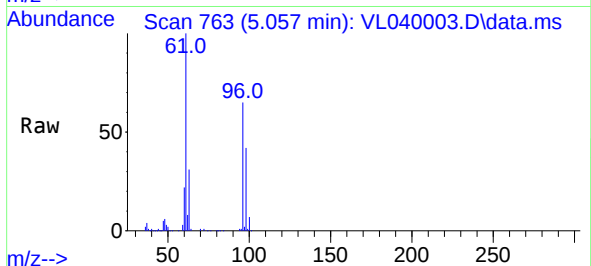




#31
cis-1,2-Dichloroethene
Concen: 10.403 ppbv
RT: 5.057 min Scan# 70
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

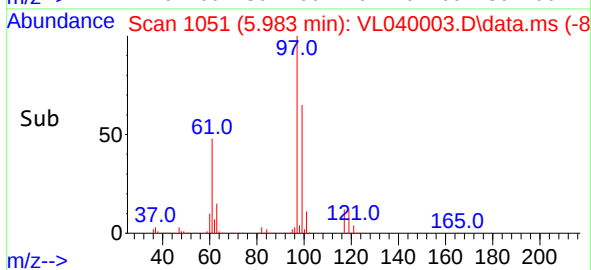
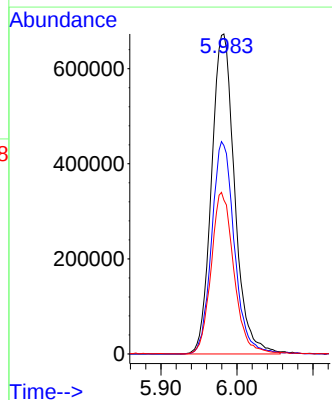
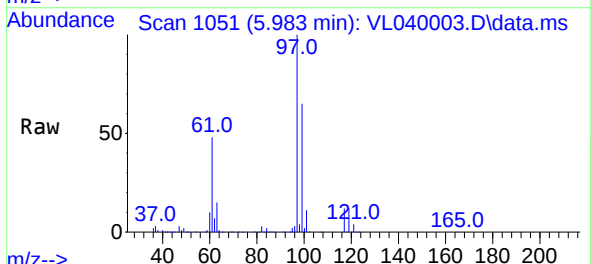
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

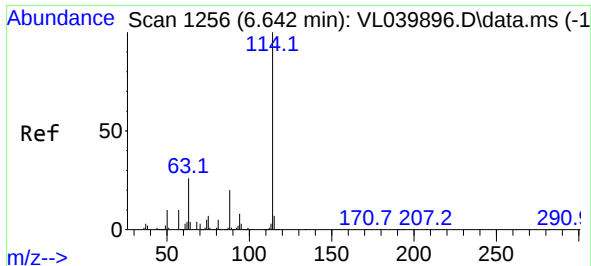
Tgt Ion: 61 Resp: 805979
Ion Ratio Lower Upper
61 100
96 65.2 50.3 75.5
98 42.4 32.2 48.2



#32
1,1,1-Trichloroethane
Concen: 10.190 ppbv
RT: 5.983 min Scan# 1051
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 97 Resp: 1418241
Ion Ratio Lower Upper
97 100
99 65.7 51.4 77.0
61 50.1 40.7 61.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

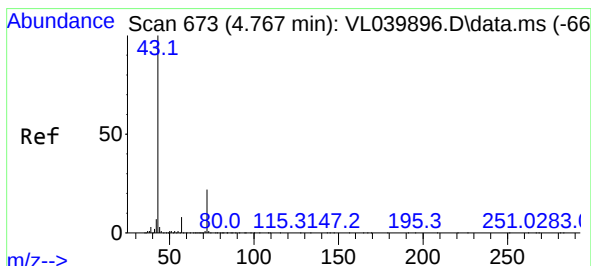
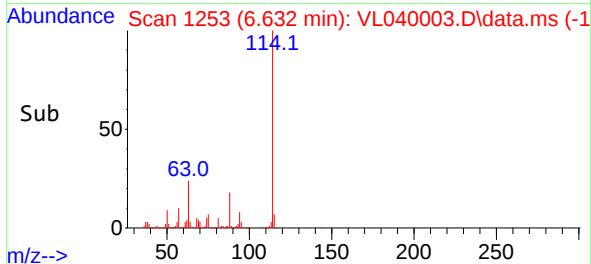
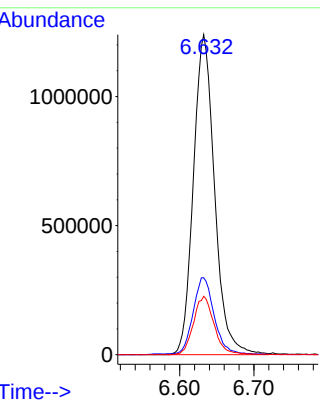
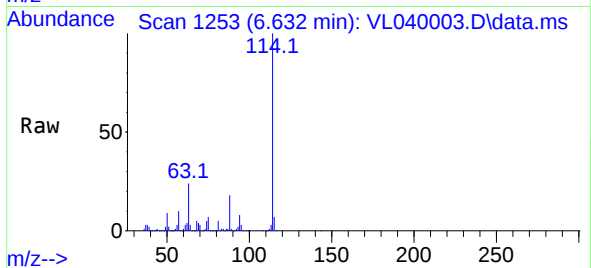
Tgt Ion:114 Resp: 2453598

Ion Ratio Lower Upper

114 100

63 24.5 21.4 32.0

88 17.8 15.3 22.9



#34

2-Butanone

Concen: 10.149 ppbv

RT: 4.764 min Scan# 672

Delta R.T. 0.013 min

Lab File: VL040003.D

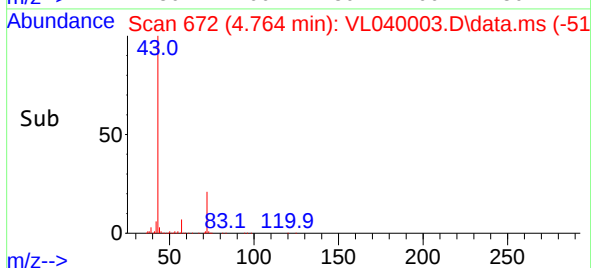
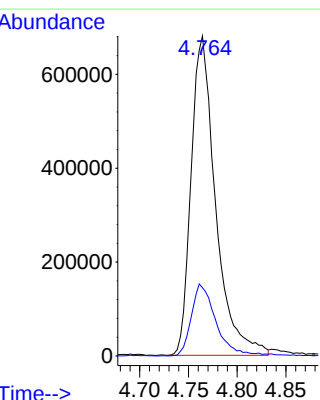
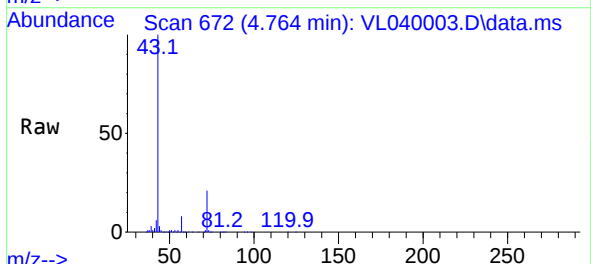
Acq: 13 Dec 2022 8:50

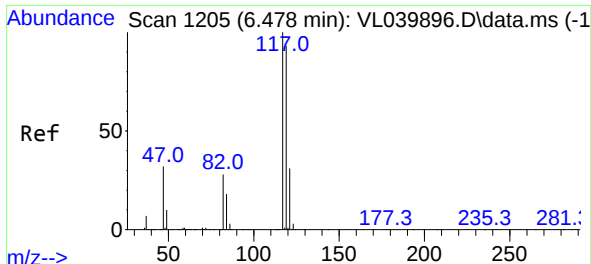
Tgt Ion: 43 Resp: 1191510

Ion Ratio Lower Upper

43 100

72 23.0 17.4 26.2

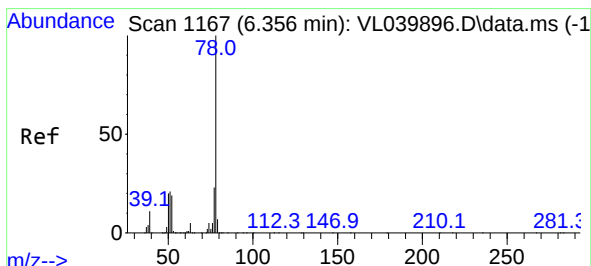
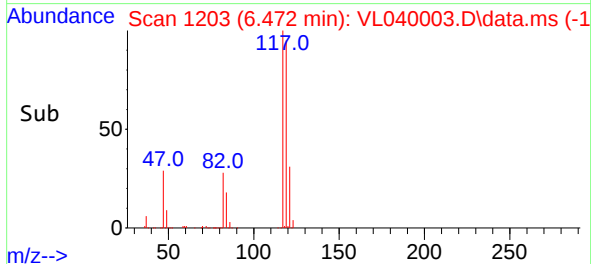
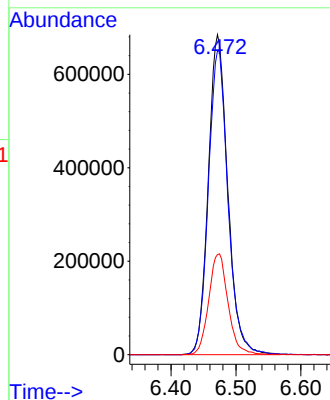
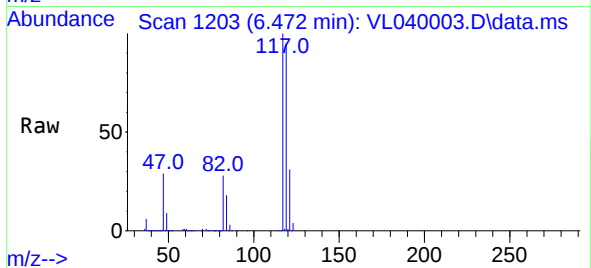




#35
Carbon Tetrachloride
Concen: 10.233 ppbv
RT: 6.472 min Scan# 1164
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

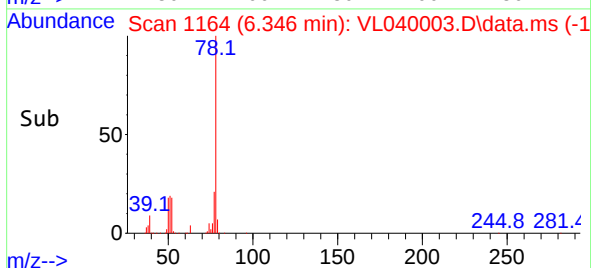
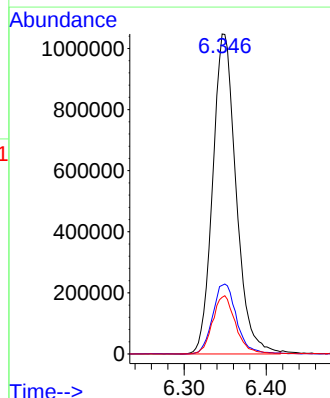
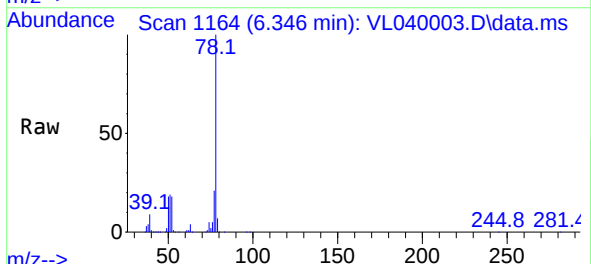
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

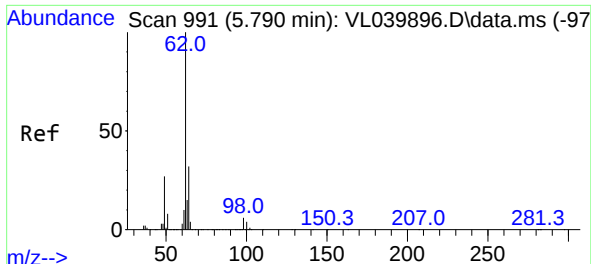
Tgt Ion:117 Resp: 1425847
Ion Ratio Lower Upper
117 100
119 95.0 74.7 112.1
121 31.3 24.5 36.7



#36
Benzene
Concen: 9.944 ppbv
RT: 6.346 min Scan# 1164
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 78 Resp: 2073831
Ion Ratio Lower Upper
78 100
77 21.4 18.2 27.2
50 17.7 15.8 23.8

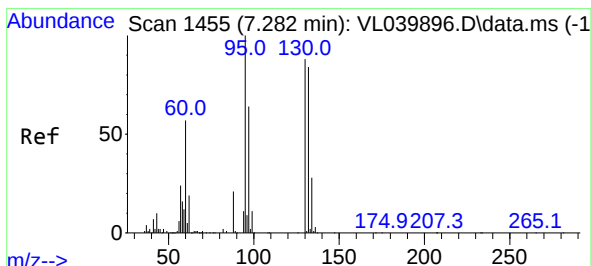
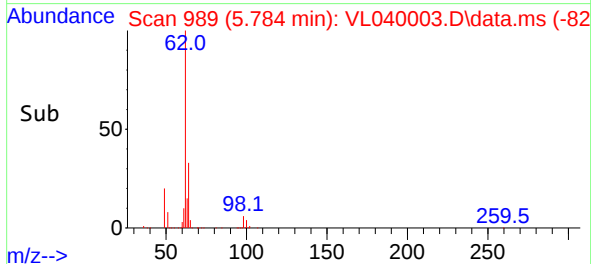
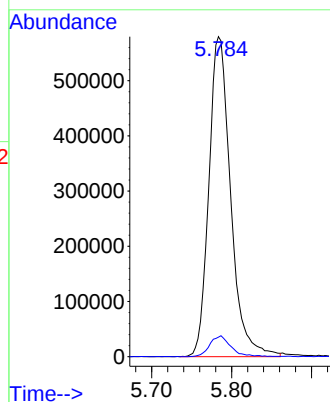
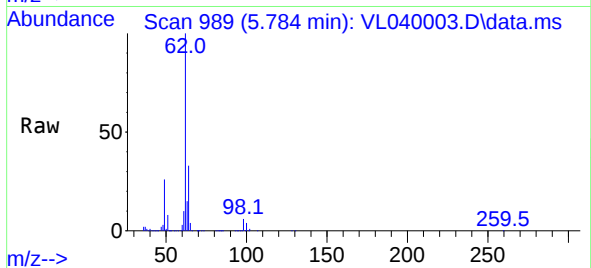




#37
1,2-Dichloroethane
Concen: 9.607 ppbv
RT: 5.784 min Scan# 91
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

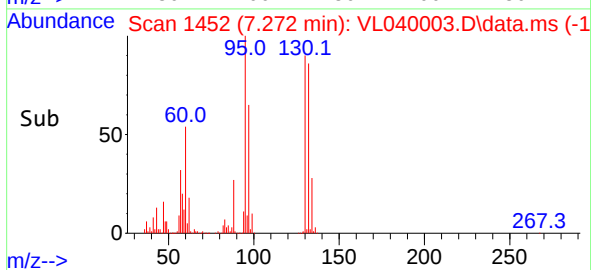
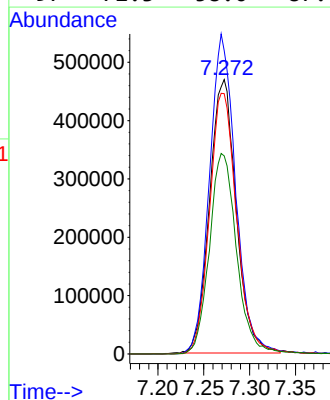
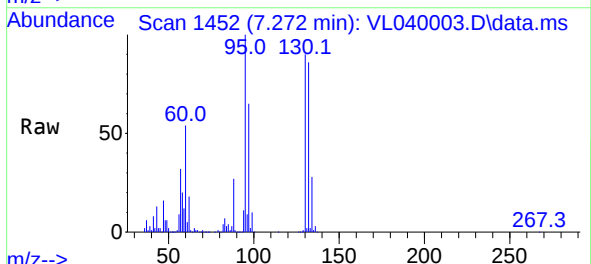
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

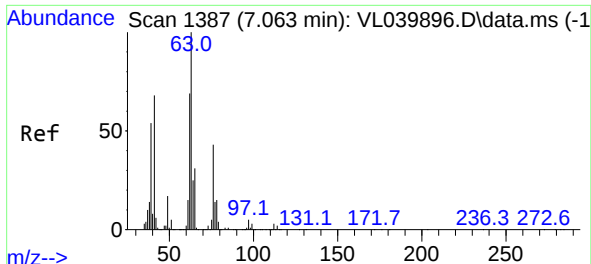
Tgt Ion: 62 Resp: 1098011
Ion Ratio Lower Upper
62 100
98 6.6 5.0 7.6



#38
Trichloroethene
Concen: 8.160 ppbv
RT: 7.272 min Scan# 1452
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion:130 Resp: 951279
Ion Ratio Lower Upper
130 100
95 110.8 90.6 135.8
132 95.1 76.2 114.4
97 72.3 58.0 87.0





#39

1,2-Dichloropropane

Concen: 9.721 ppbv

RT: 7.054 min Scan# 11

Delta R.T. 0.020 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

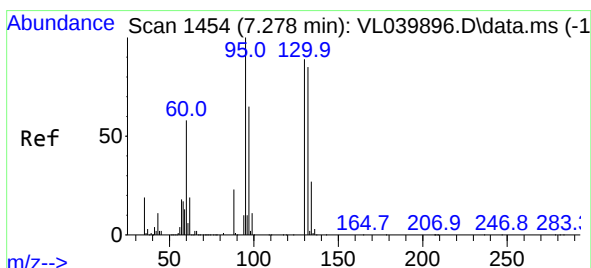
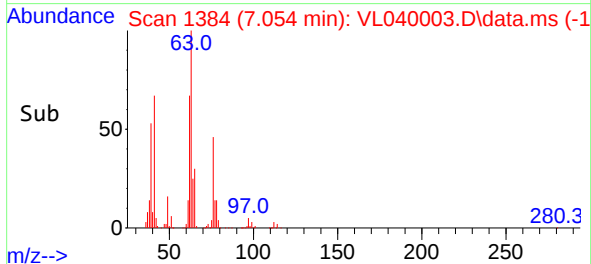
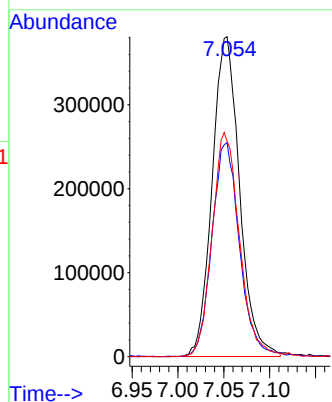
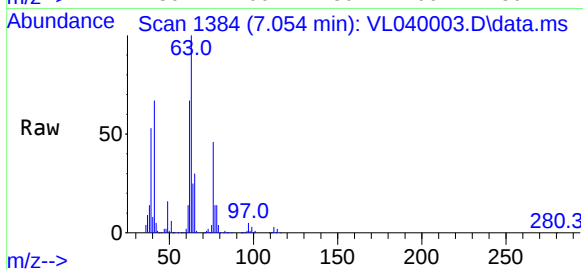
Tgt Ion: 63 Resp: 789902

Ion Ratio Lower Upper

63 100

41 66.8 54.7 82.1

62 67.3 55.0 82.6



#40

1,4-Dioxane

Concen: 10.154 ppbv

RT: 7.266 min Scan# 1450

Delta R.T. 0.013 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Tgt Ion: 88 Resp: 328692

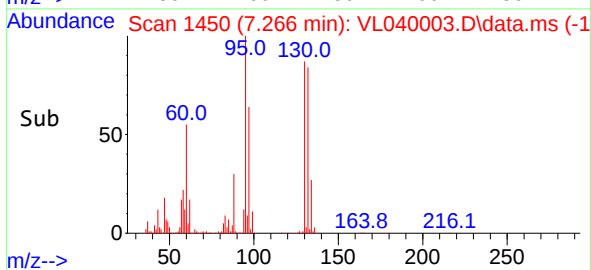
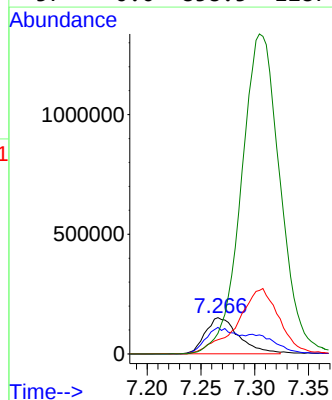
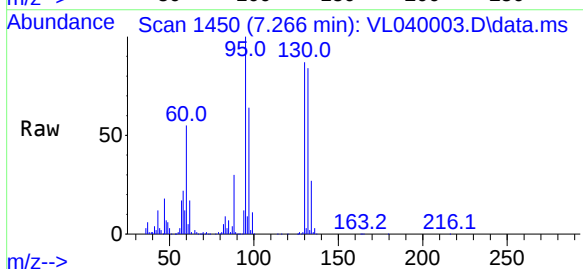
Ion Ratio Lower Upper

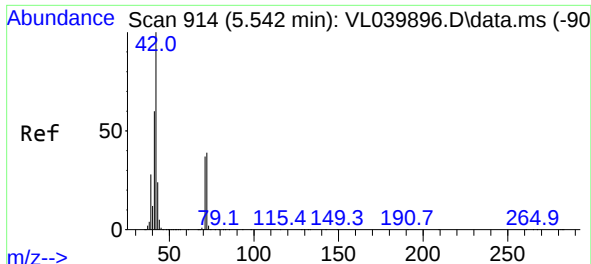
88 100

58 118.3 100.5 150.7

43 0.0 195.8 293.8#

57 0.0 858.5 1287.7#

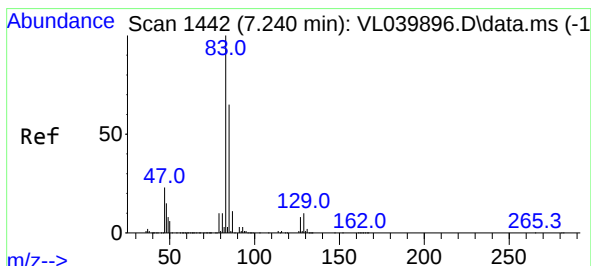
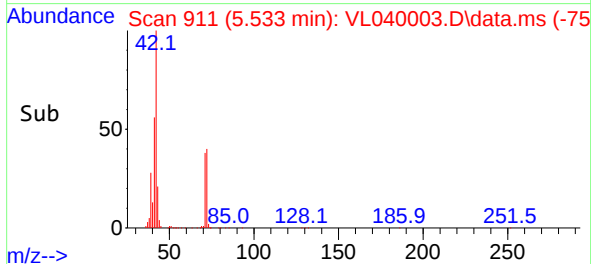
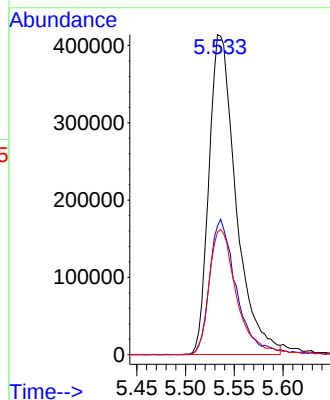
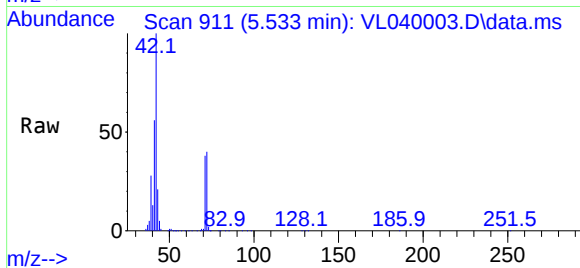




#41
Tetrahydrofuran
Concen: 9.850 ppbv
RT: 5.533 min Scan# 914
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

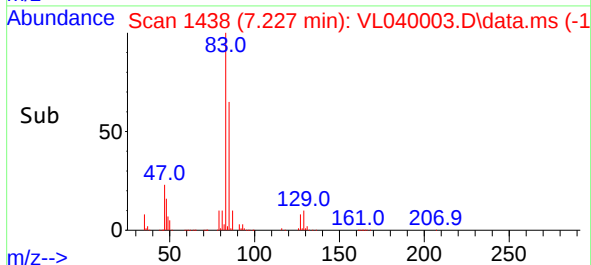
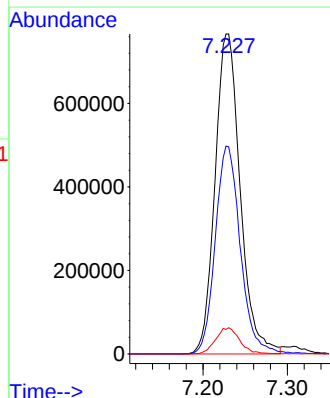
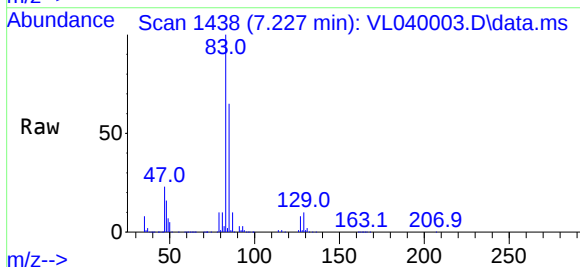
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

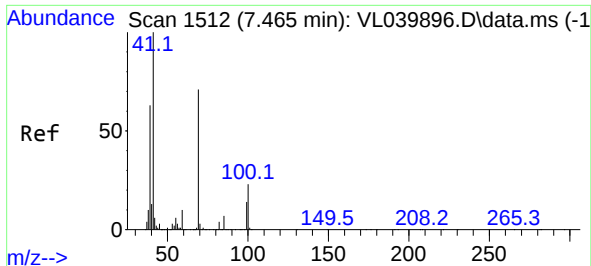
Tgt Ion: 42 Resp: 798360
Ion Ratio Lower Upper
42 100
72 42.6 31.6 47.4
71 40.6 31.2 46.8



#42
Bromodichloromethane
Concen: 10.252 ppbv
RT: 7.227 min Scan# 1438
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 83 Resp: 1589018
Ion Ratio Lower Upper
83 100
85 64.9 52.0 78.0
127 7.6 6.5 9.7

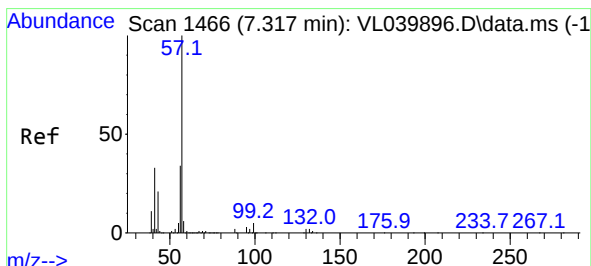
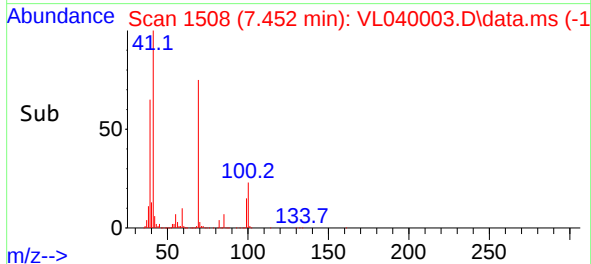
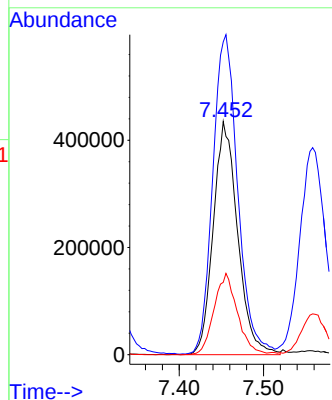
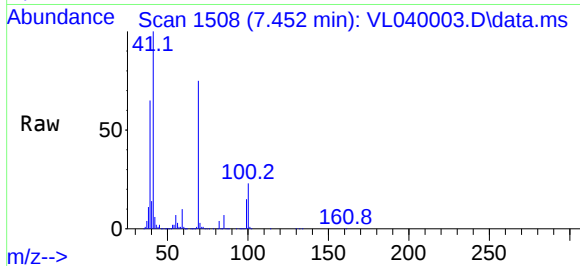




#43
Methyl Methacrylate
Concen: 10.679 ppbv
RT: 7.452 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

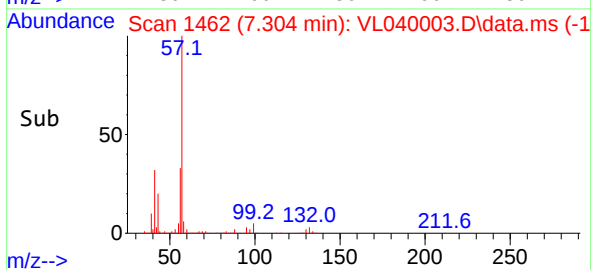
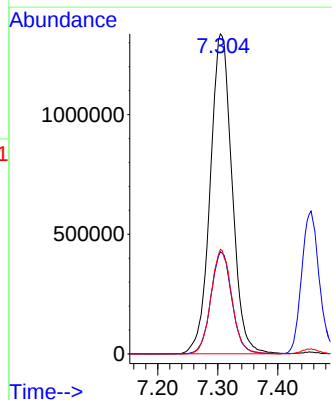
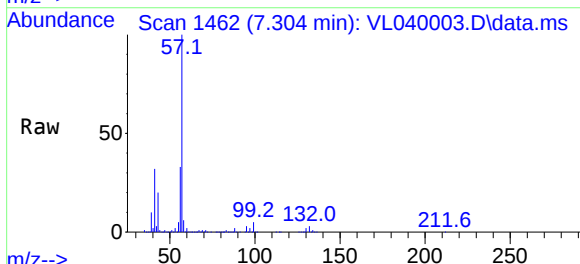
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

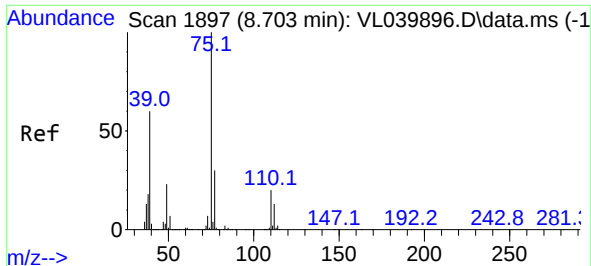
Tgt Ion: 69 Resp: 873186
Ion Ratio Lower Upper
69 100
41 140.5 116.4 174.6
100 33.8 26.8 40.2



#44
2,2,4-Trimethylpentane
Concen: 9.690 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 57 Resp: 3373783
Ion Ratio Lower Upper
57 100
41 30.9 26.2 39.2
56 31.2 25.5 38.3

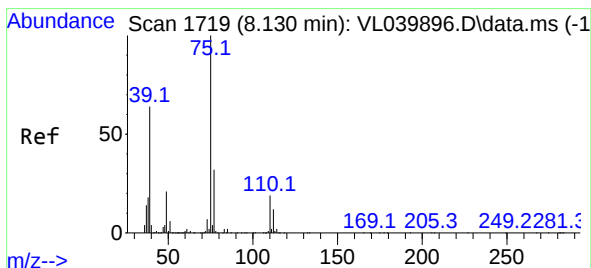
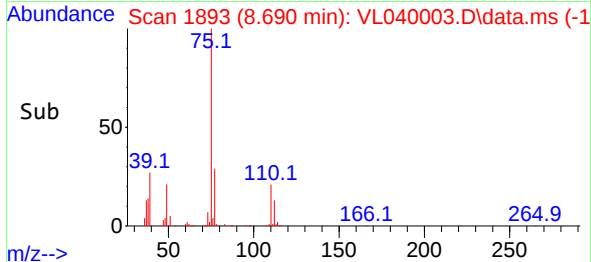
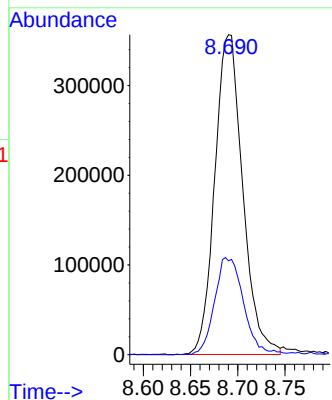
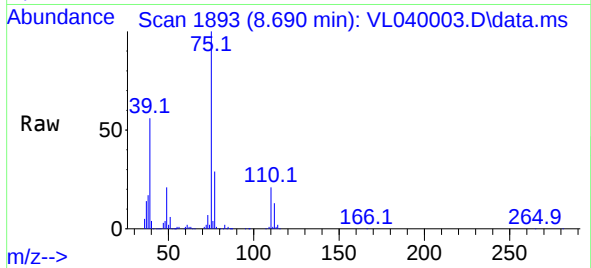




#45
 t-1,3-Dichloropropene
 Concen: 9.681 ppbv
 RT: 8.690 min Scan# 11
 Delta R.T. 0.016 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

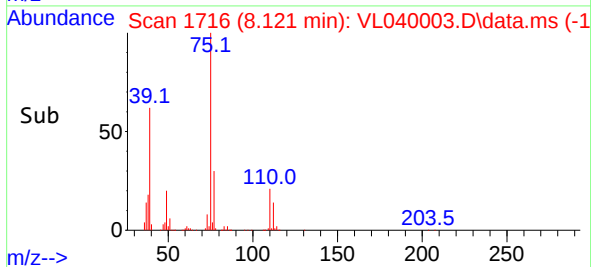
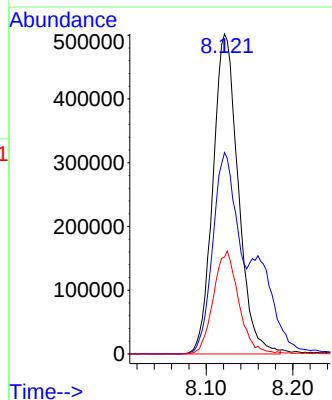
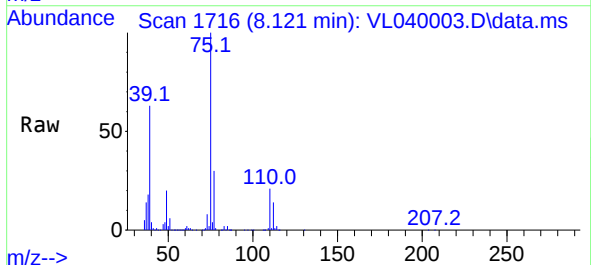
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010EC

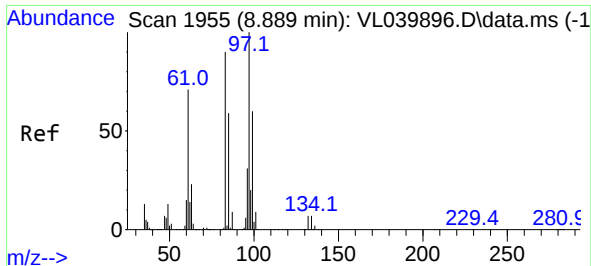
Tgt Ion: 75 Resp: 731321
 Ion Ratio Lower Upper
 75 100
 77 29.4 24.2 36.4



#46
 cis-1,3-Dichloropropene
 Concen: 9.720 ppbv
 RT: 8.121 min Scan# 1716
 Delta R.T. 0.013 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

Tgt Ion: 75 Resp: 1017197
 Ion Ratio Lower Upper
 75 100
 39 62.9 51.0 76.4
 77 30.2 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 10.133 ppbv

RT: 8.880 min Scan# 1955

Delta R.T. 0.016 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 846216

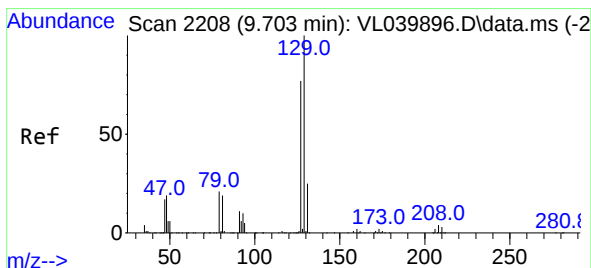
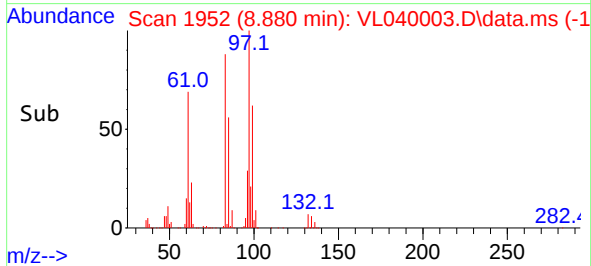
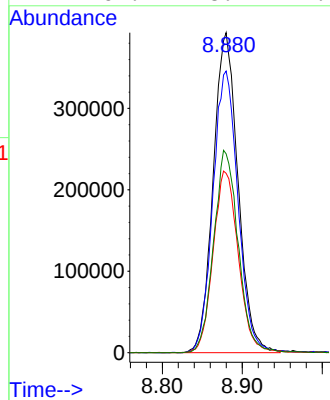
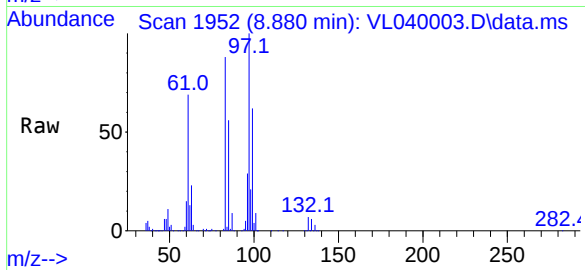
Ion Ratio Lower Upper

97 100

83 88.0 72.1 108.1

85 56.0 47.2 70.8

99 62.2 48.2 72.2



#48

Dibromochloromethane

Concen: 10.958 ppbv

RT: 9.690 min Scan# 2204

Delta R.T. 0.013 min

Lab File: VL040003.D

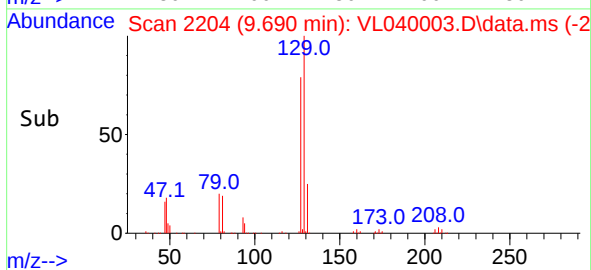
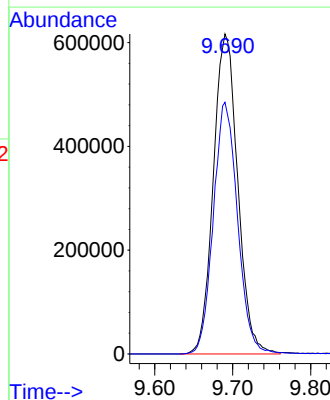
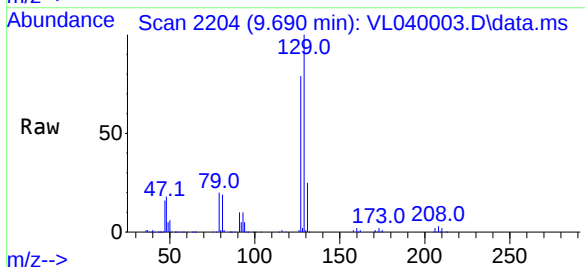
Acq: 13 Dec 2022 8:50

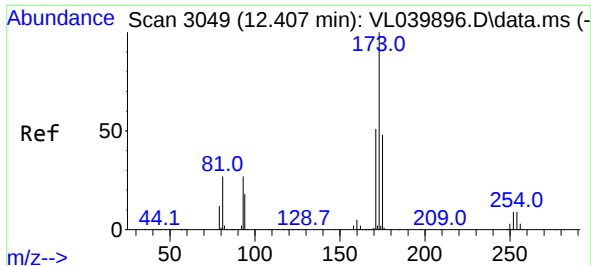
Tgt Ion: 129 Resp: 1340304

Ion Ratio Lower Upper

129 100

127 78.4 39.1 117.3

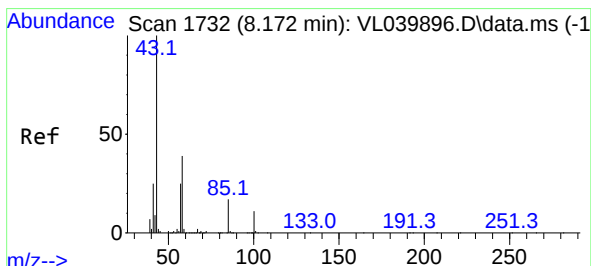
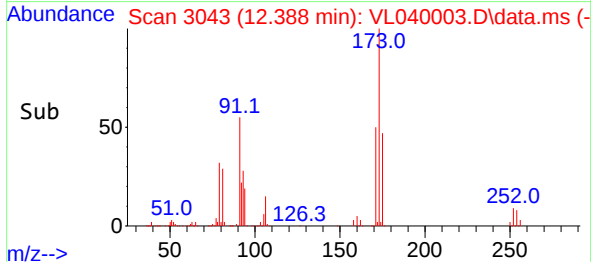
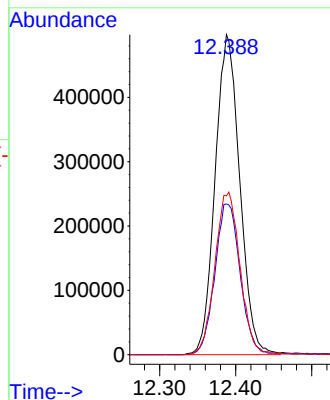
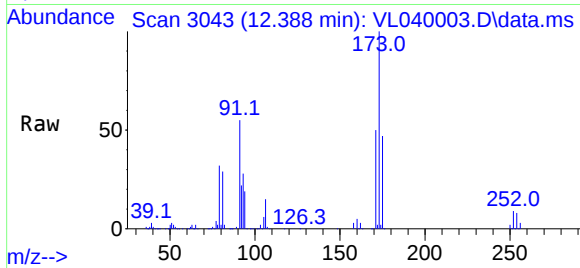




#49
Bromoform
Concen: 11.299 ppbv
RT: 12.388 min Scan# 3049
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

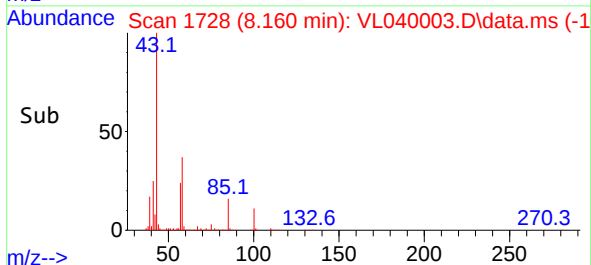
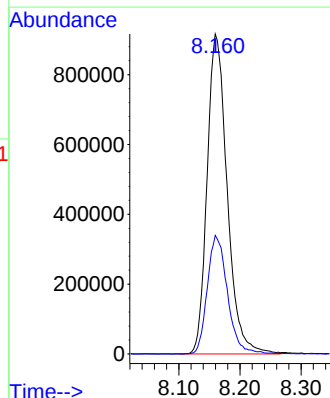
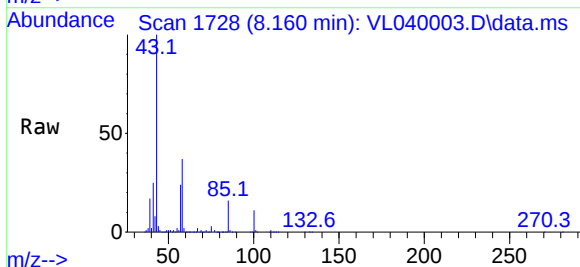
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

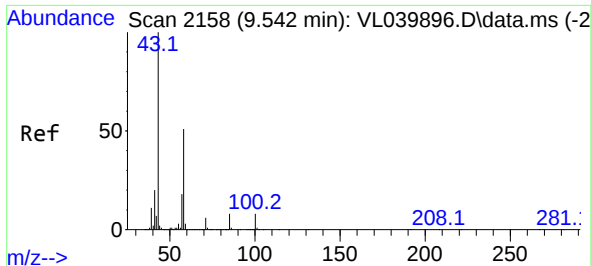
Tgt Ion:173 Resp: 1118669
Ion Ratio Lower Upper
173 100
175 48.9 39.1 58.7
171 52.1 41.8 62.8



#50
4-Methyl-2-Pentanone
Concen: 9.931 ppbv
RT: 8.160 min Scan# 1728
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 43 Resp: 2088119
Ion Ratio Lower Upper
43 100
58 37.3 29.8 44.6



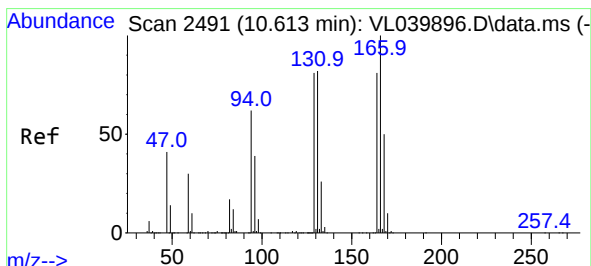
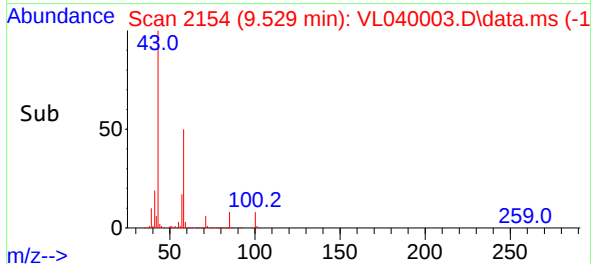
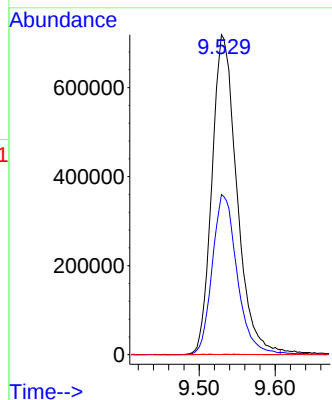
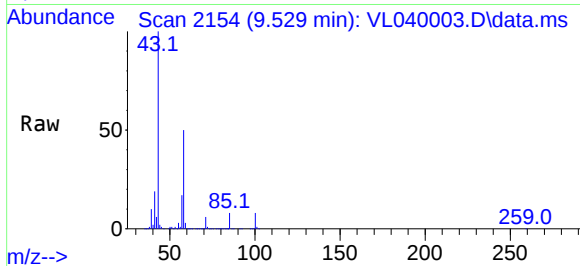


#51
2-Hexanone
Concen: 10.013 ppbv
RT: 9.529 min Scan# 2158
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1634471

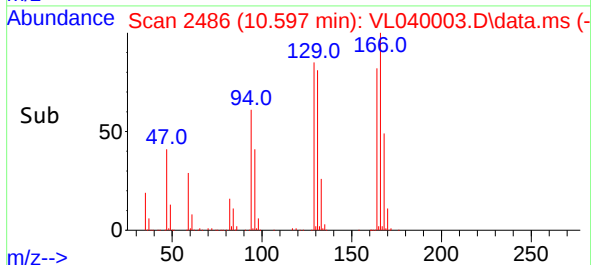
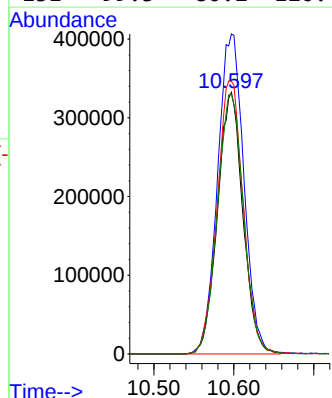
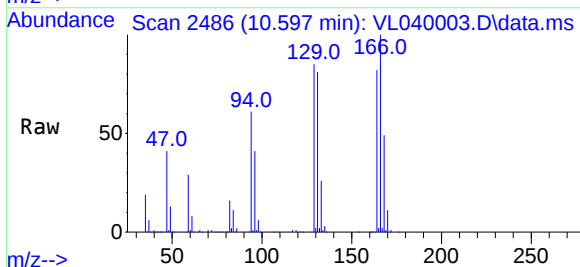
Ion	Ratio	Lower	Upper
43	100		
58	50.6	40.2	60.4
98	0.1	0.1	0.1

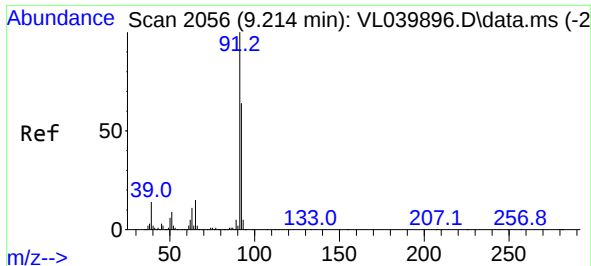


#52
Tetrachloroethene
Concen: 9.367 ppbv
RT: 10.597 min Scan# 2486
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 164 Resp: 730773

Ion	Ratio	Lower	Upper
164	100		
166	122.3	98.3	147.5
129	104.3	79.7	119.5
131	99.3	80.2	120.4

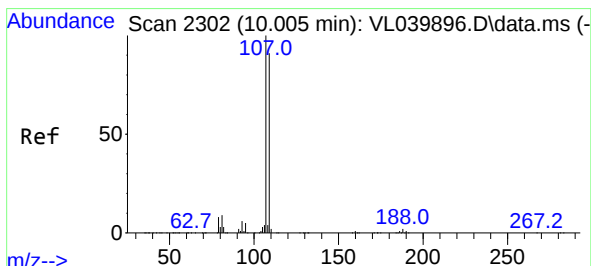
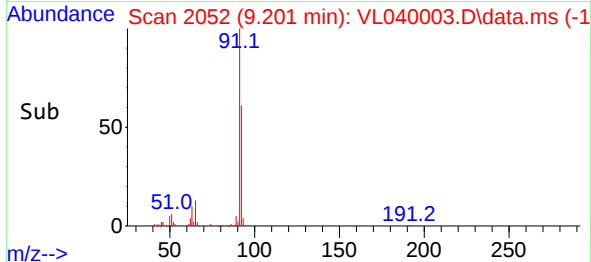
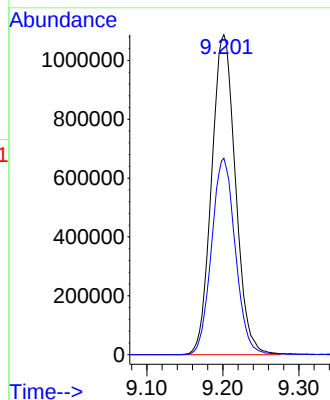
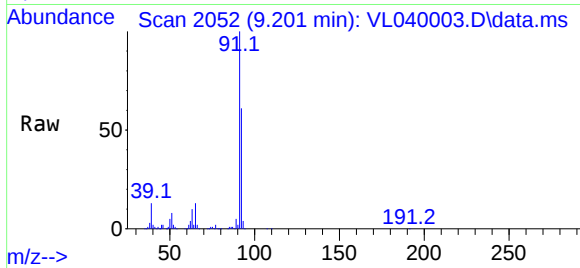




#53
Toluene
Concen: 9.984 ppbv
RT: 9.201 min Scan# 2056
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

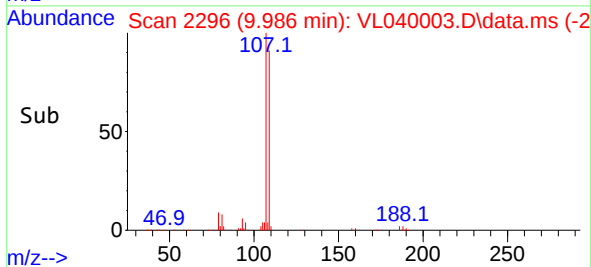
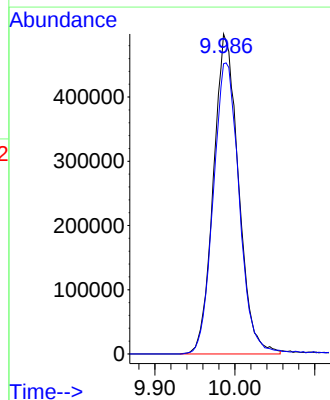
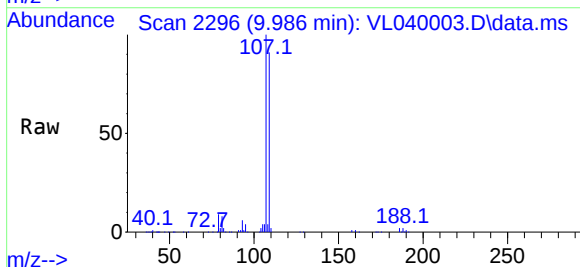
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010EC

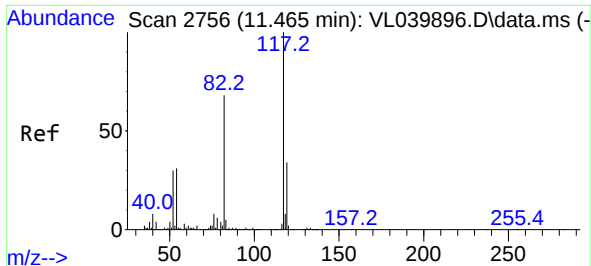
Tgt Ion: 91 Resp: 2372083
Ion Ratio Lower Upper
91 100
92 61.3 49.8 74.6



#54
1,2-Dibromoethane
Concen: 12.151 ppbv
RT: 9.986 min Scan# 2296
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 107 Resp: 1082896
Ion Ratio Lower Upper
107 100
109 90.7 72.8 109.2

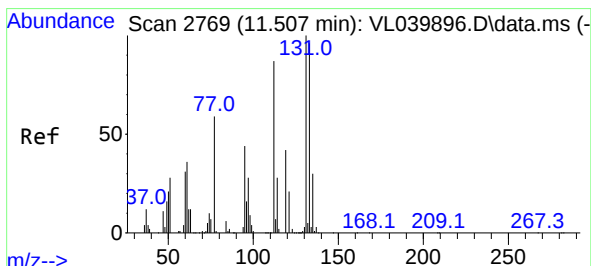
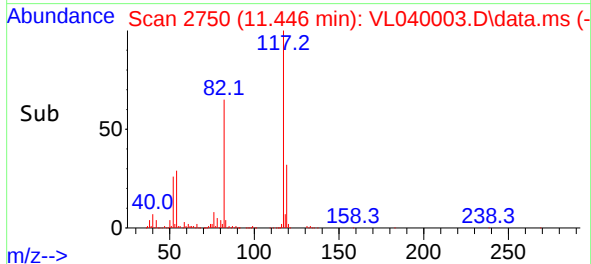
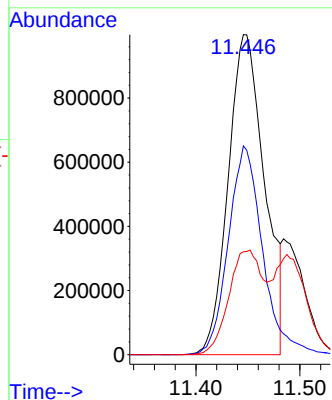
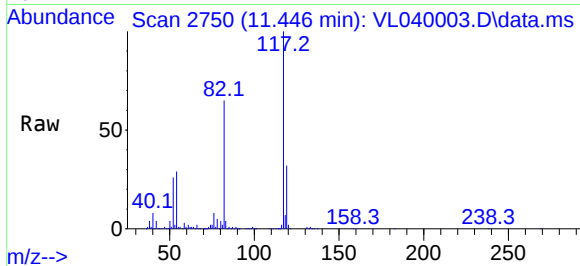




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

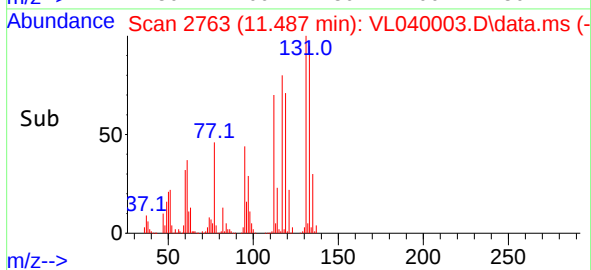
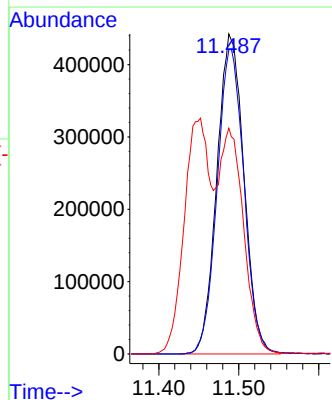
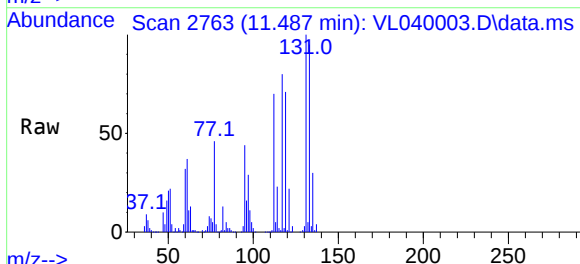
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

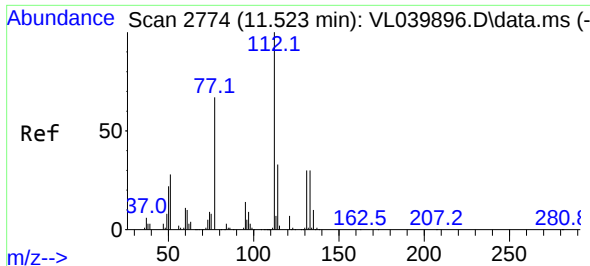
Tgt Ion:117 Resp: 2425084
Ion Ratio Lower Upper
117 100
82 61.6 52.3 78.5
119 28.5 25.7 38.5



#56
1,1,1,2-Tetrachloroethane
Concen: 10.454 ppbv
RT: 11.487 min Scan# 2763
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion:131 Resp: 1036260
Ion Ratio Lower Upper
131 100
133 94.9 76.7 115.1
119 66.3 46.6 69.8

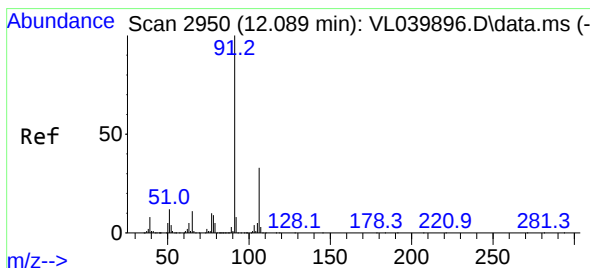
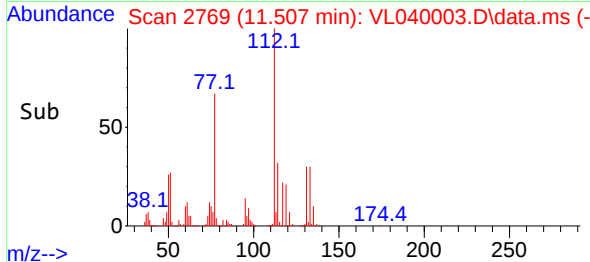
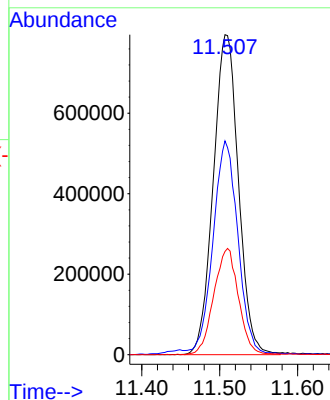
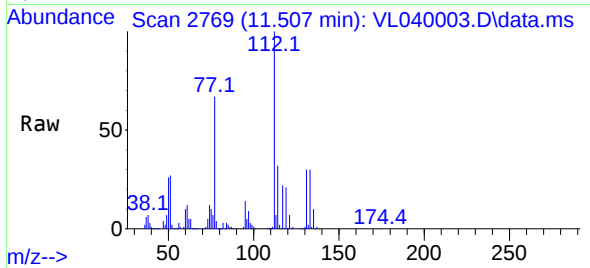




#57
Chlorobenzene
Concen: 9.631 ppbv
RT: 11.507 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

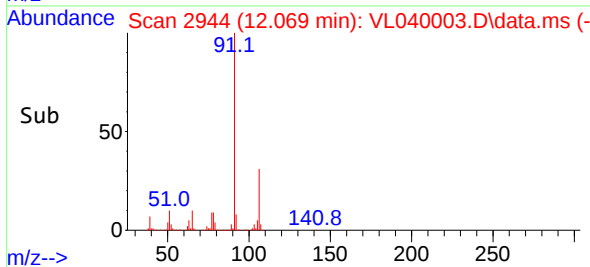
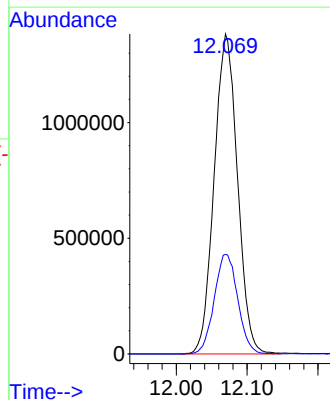
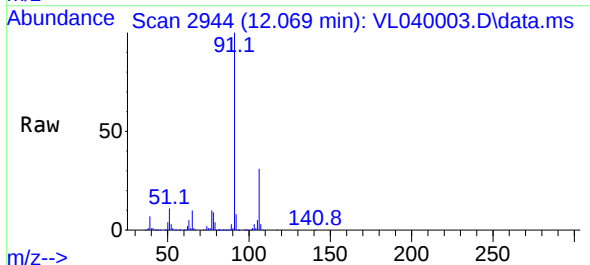
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

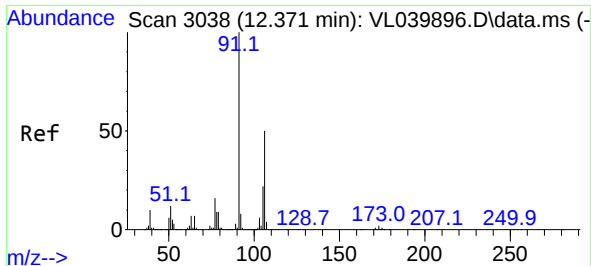
Tgt Ion:112 Resp: 1785858
Ion Ratio Lower Upper
112 100
77 66.5 54.6 81.8
114 32.2 30.1 36.7



#58
Ethyl Benzene
Concen: 9.585 ppbv
RT: 12.069 min Scan# 2944
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 91 Resp: 3153385
Ion Ratio Lower Upper
91 100
106 31.1 26.1 39.1





#59

m/p-Xylene

Concen: 9.993 ppbv

RT: 12.352 min Scan# 3032

Delta R.T. 0.013 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

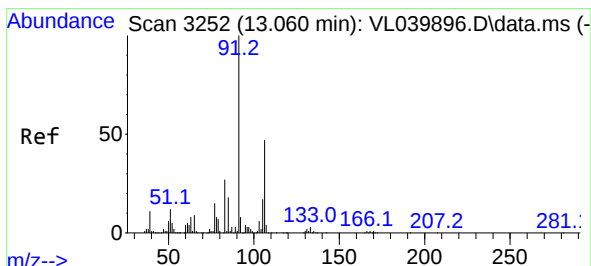
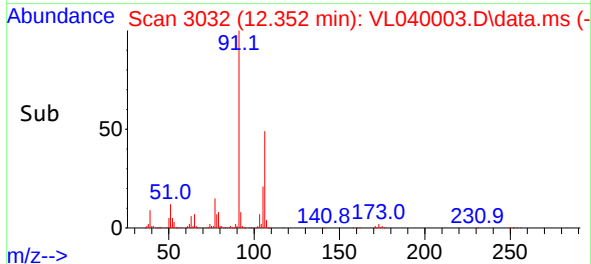
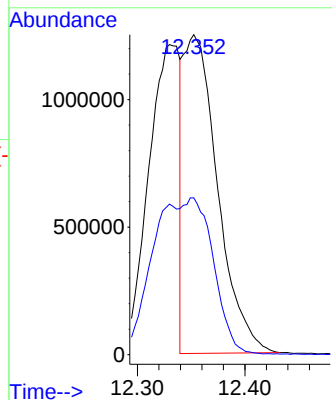
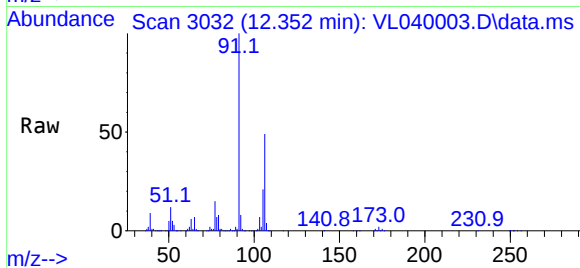
VSTDCCC010EC

Tgt Ion: 91 Resp: 2751634

Ion Ratio Lower Upper

91 100

106 87.3 37.0 55.6#



#60

o-Xylene

Concen: 9.507 ppbv

RT: 13.040 min Scan# 3246

Delta R.T. 0.013 min

Lab File: VL040003.D

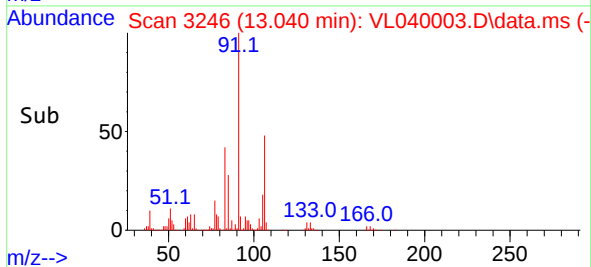
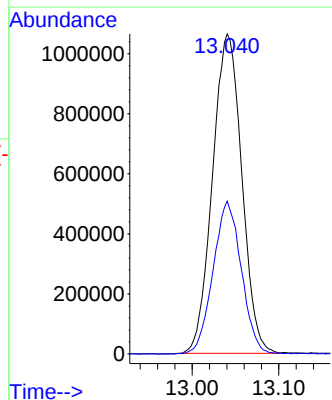
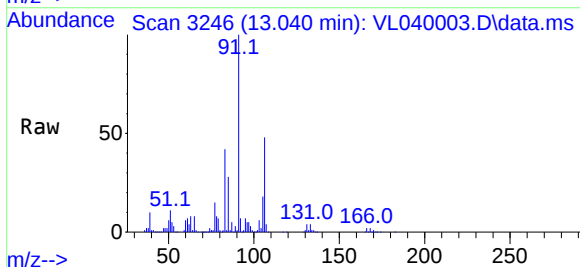
Acq: 13 Dec 2022 8:50

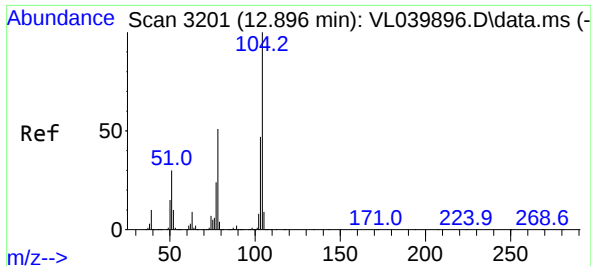
Tgt Ion: 91 Resp: 2496646

Ion Ratio Lower Upper

91 100

106 46.3 23.2 69.6

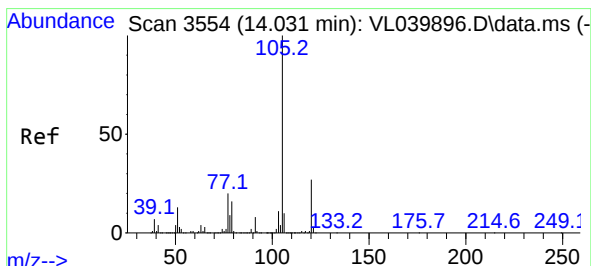
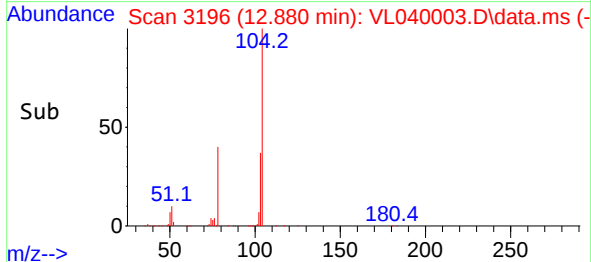
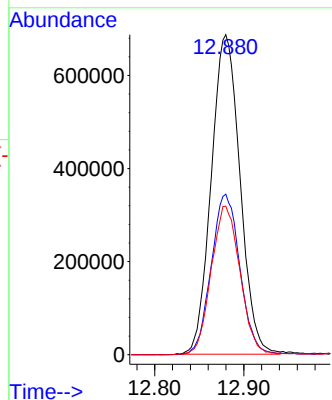
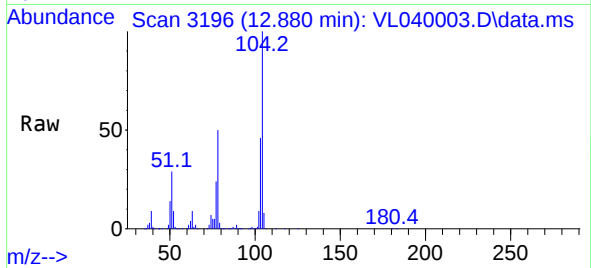




#61
Styrene
Concen: 9.818 ppbv
RT: 12.880 min Scan# 3196
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

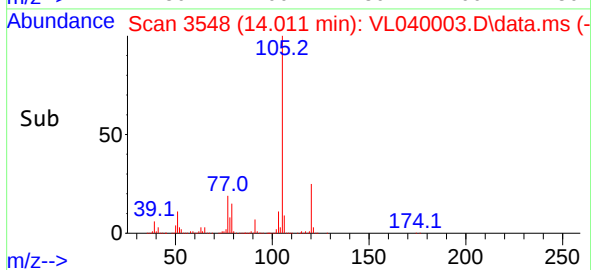
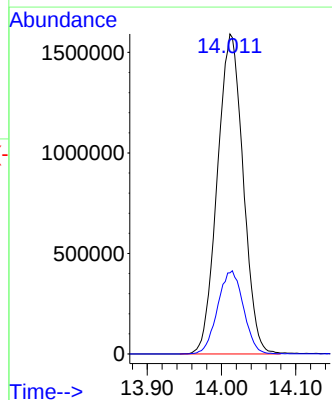
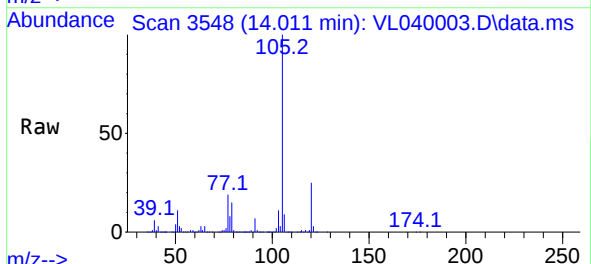
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

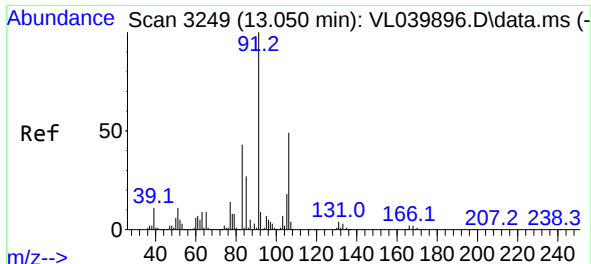
Tgt Ion:104 Resp: 1538999
Ion Ratio Lower Upper
104 100
78 50.5 41.8 62.8
103 46.8 37.2 55.8



#62
Isopropylbenzene
Concen: 10.151 ppbv
RT: 14.011 min Scan# 3548
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion:105 Resp: 3843837
Ion Ratio Lower Upper
105 100
120 26.0 21.4 32.2

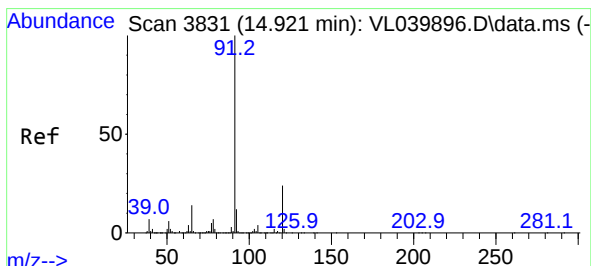
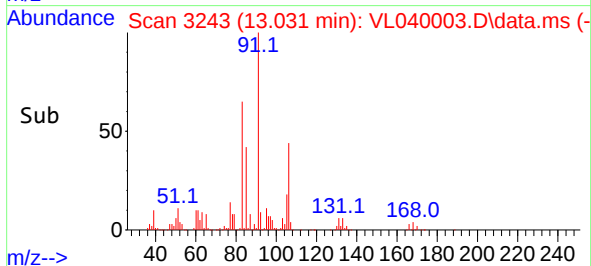
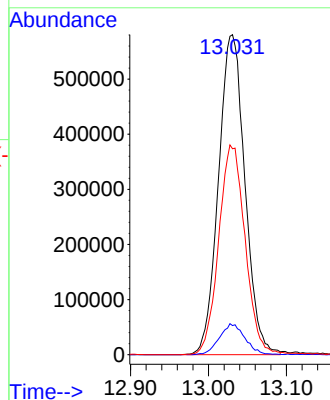
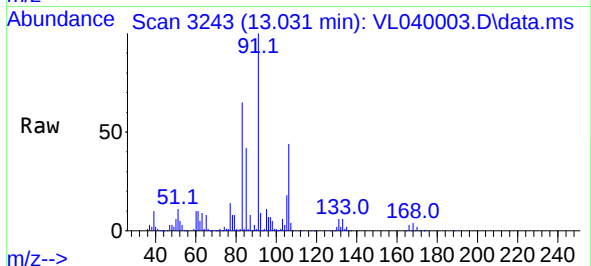




#63
1,1,2,2-Tetrachloroethane
Concen: 15.632 ppbv
RT: 13.031 min Scan# 31
Delta R.T. 0.020 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

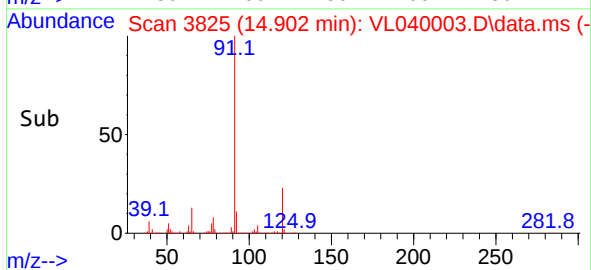
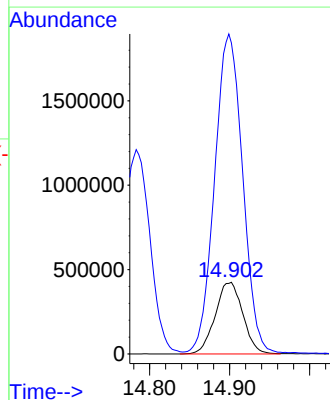
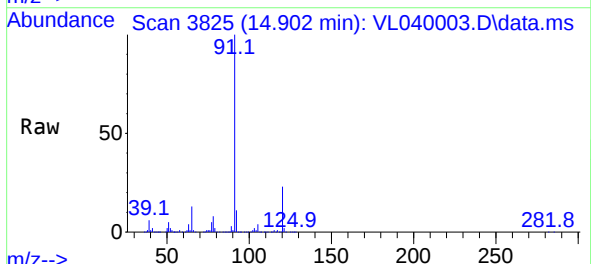
Instrument :
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ClientSampleId :
VSTDCCC010EC

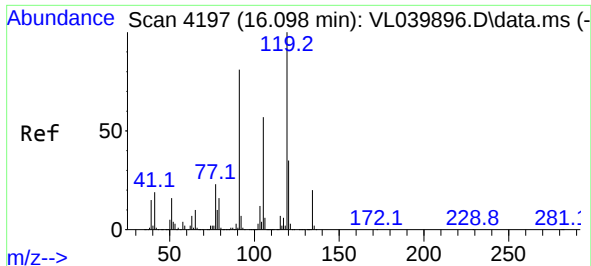
Tgt Ion: 83 Resp: 1370700
Ion Ratio Lower Upper
83 100
131 9.3 4.6 13.8
85 65.9 33.0 99.0



#64
n-propylbenzene
Concen: 10.268 ppbv
RT: 14.902 min Scan# 3825
Delta R.T. 0.023 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion:120 Resp: 1017142
Ion Ratio Lower Upper
120 100
91 456.1 353.7 530.5

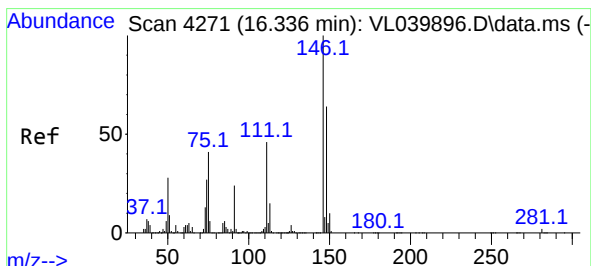
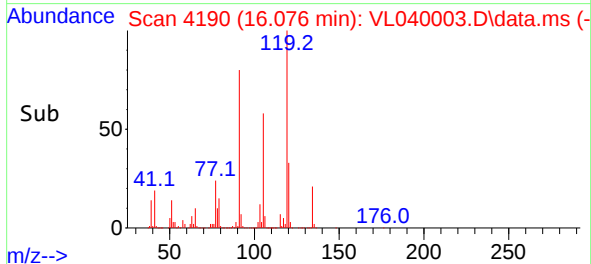
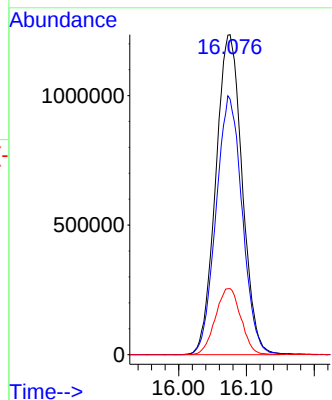
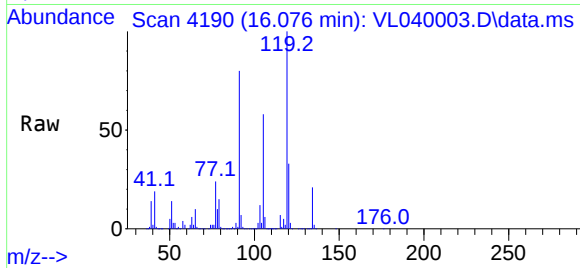




#65
tert-Butylbenzene
Concen: 10.089 ppbv
RT: 16.076 min Scan# 41
Delta R.T. 0.020 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

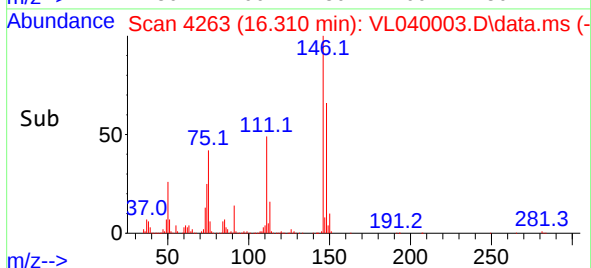
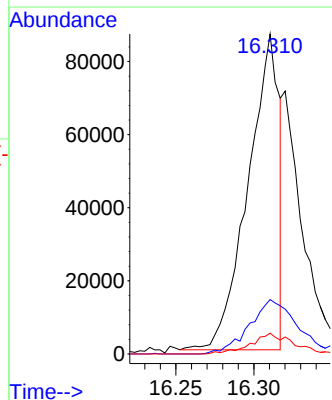
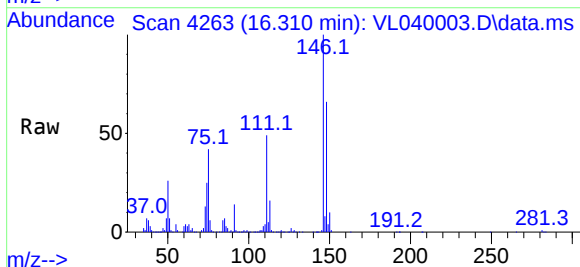
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010EC

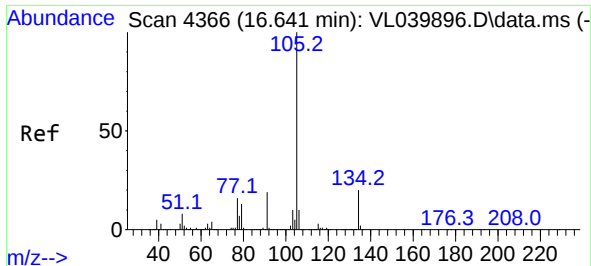
Tgt Ion:119 Resp: 3342361
Ion Ratio Lower Upper
119 100
91 80.5 65.8 98.8
134 20.0 16.1 24.1



#66
Benzyl Chloride
Concen: 4.217 ppbv
RT: 16.310 min Scan# 4263
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 91 Resp: 119713
Ion Ratio Lower Upper
91 100
126 28.2 15.0 22.6#
128 9.1 4.6 7.0#





#67

sec-Butylbenzene

Concen: 10.335 ppbv

RT: 16.619 min Scan# 41

Delta R.T. 0.016 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

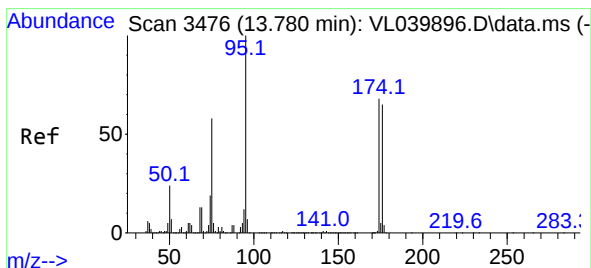
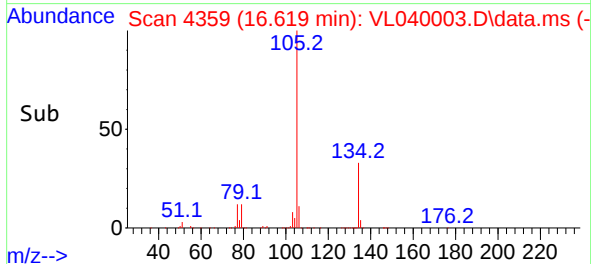
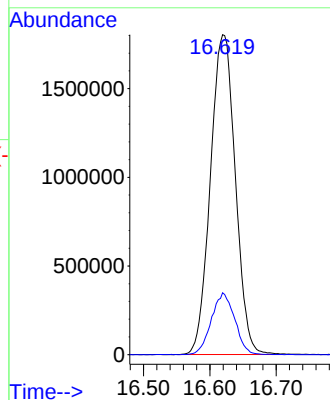
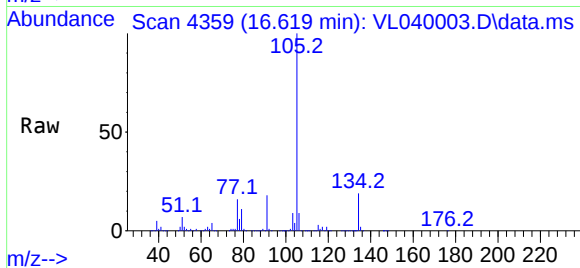
VSTDCCC010EC

Tgt Ion:105 Resp: 4707257

Ion Ratio Lower Upper

105 100

134 18.2 15.0 22.6



#68

1-Bromo-4-Fluorobenzene

Concen: 9.781 ppbv

RT: 13.757 min Scan# 3469

Delta R.T. 0.016 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

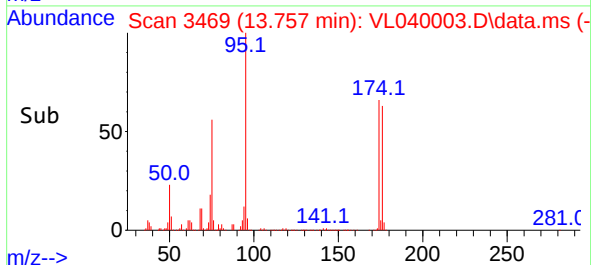
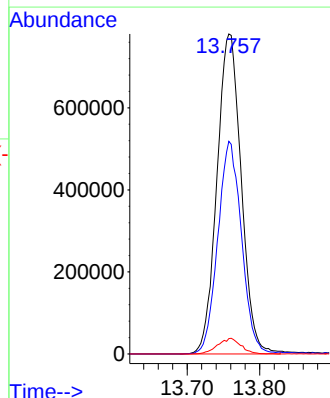
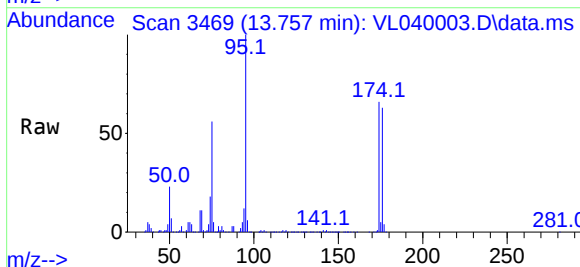
Tgt Ion: 95 Resp: 1811684

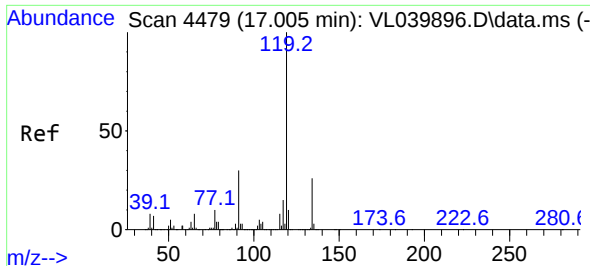
Ion Ratio Lower Upper

95 100

174 65.3 53.7 80.5

175 4.7 4.0 6.0

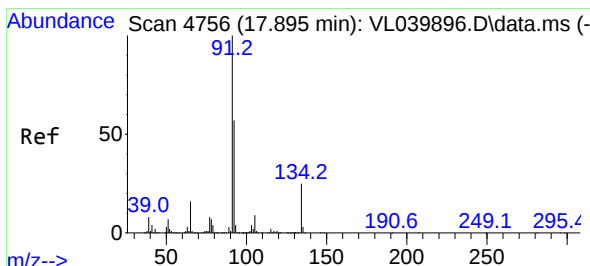
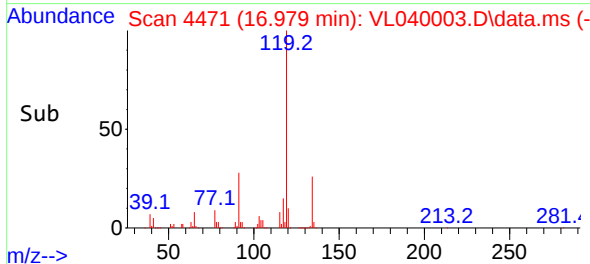
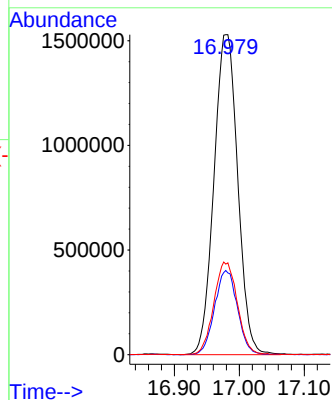
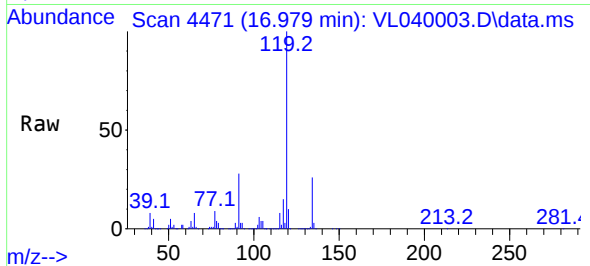




#69
p-Isopropyltoluene
Concen: 10.334 ppbv
RT: 16.979 min Scan# 4479
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

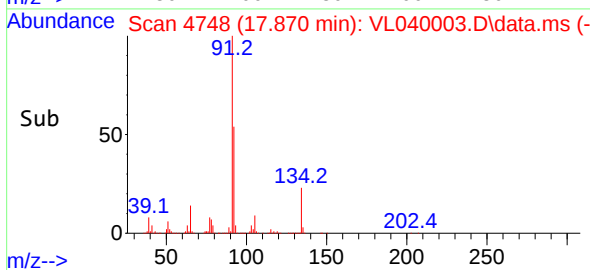
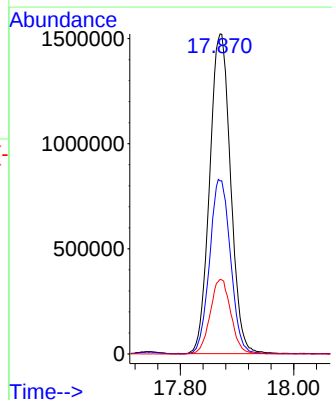
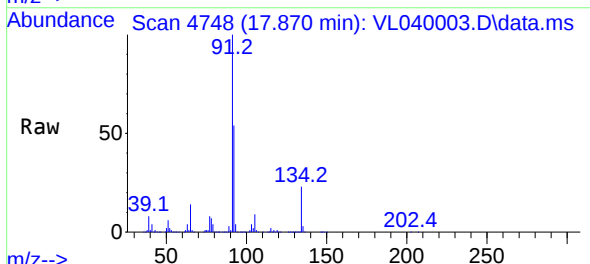
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

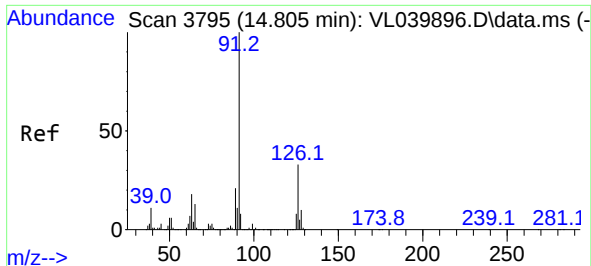
Tgt Ion:119 Resp: 3877328
Ion Ratio Lower Upper
119 100
134 25.4 21.0 31.4
91 28.6 24.4 36.6



#70
n-Butylbenzene
Concen: 10.495 ppbv
RT: 17.870 min Scan# 4748
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 91 Resp: 3904025
Ion Ratio Lower Upper
91 100
92 54.6 44.2 66.2
134 23.0 18.8 28.2

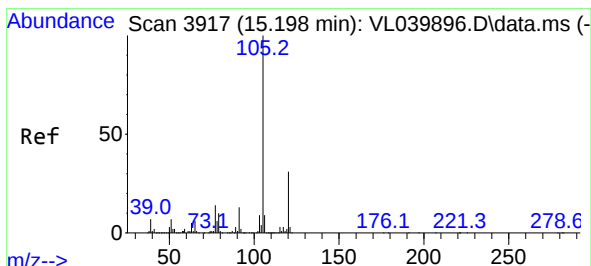
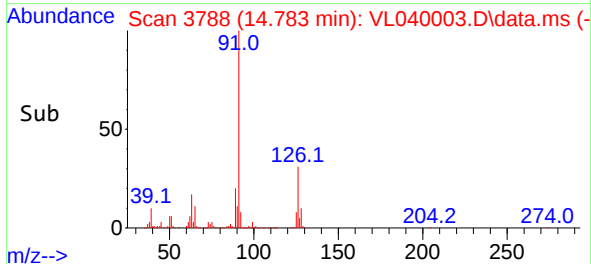
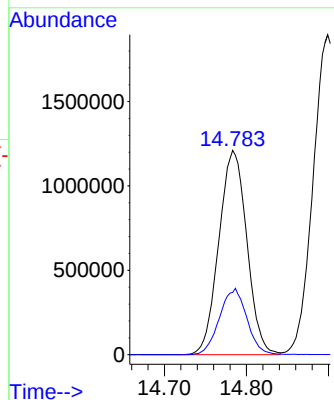
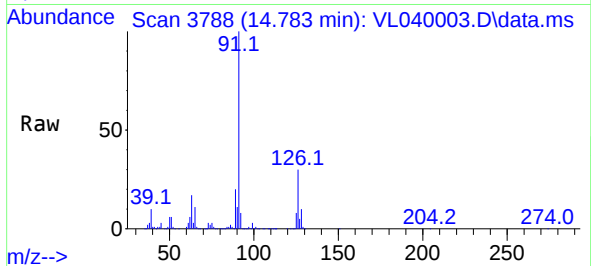




#71
2-Chlorotoluene
Concen: 10.015 ppbv
RT: 14.783 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

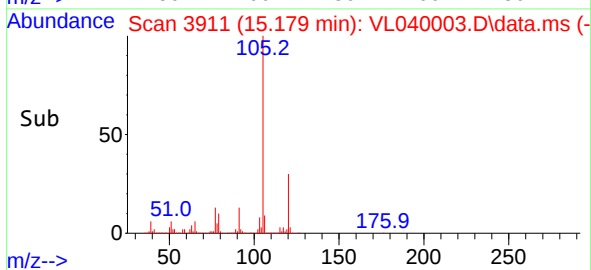
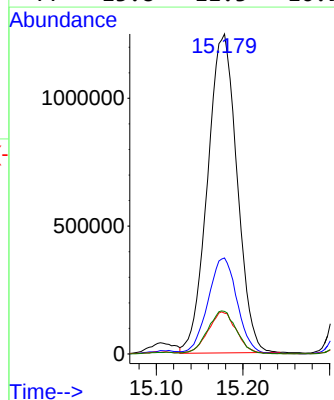
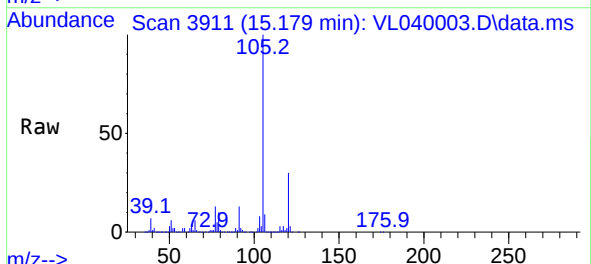
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

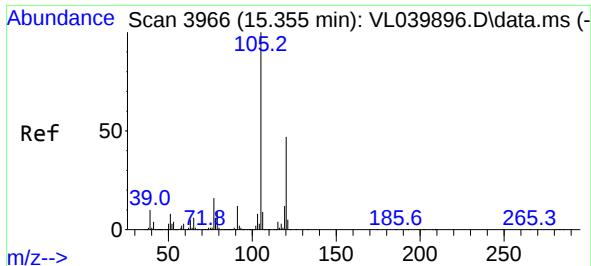
Tgt Ion: 91 Resp: 2874445
Ion Ratio Lower Upper
91 100
126 31.7 12.8 51.0



#72
4-Ethyltoluene
Concen: 9.981 ppbv
RT: 15.179 min Scan# 3911
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 105 Resp: 2946124
Ion Ratio Lower Upper
105 100
120 31.0 24.5 36.7
91 12.8 10.4 15.6
77 13.8 11.3 16.9

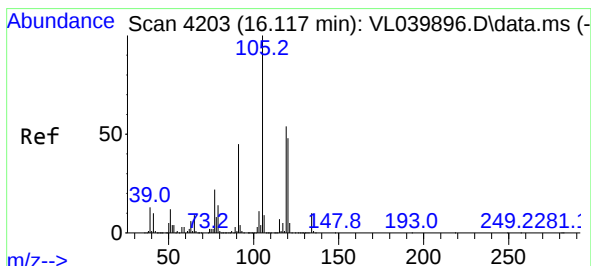
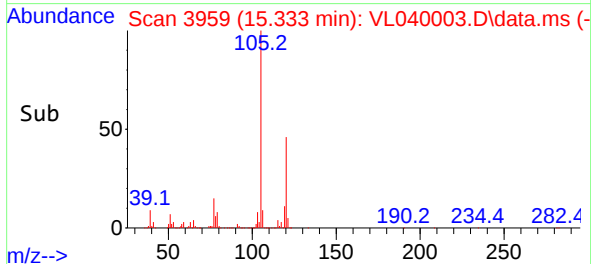
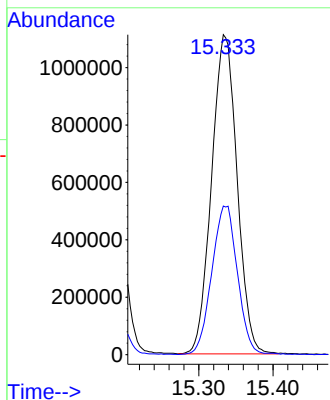
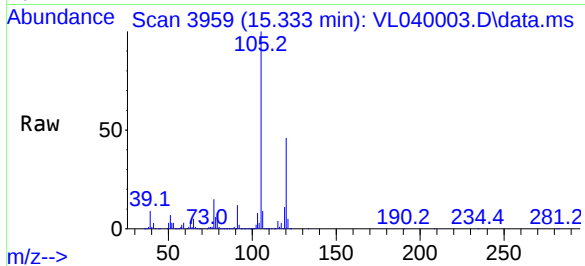




#73
1,3,5-Trimethylbenzene
Concen: 9.832 ppbv
RT: 15.333 min Scan# 3966
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

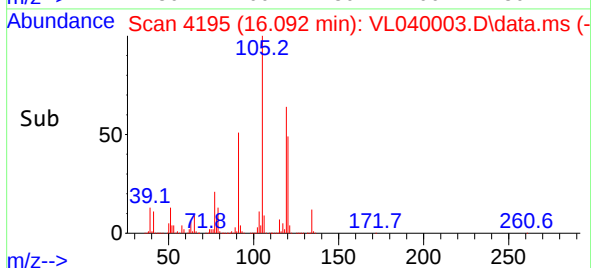
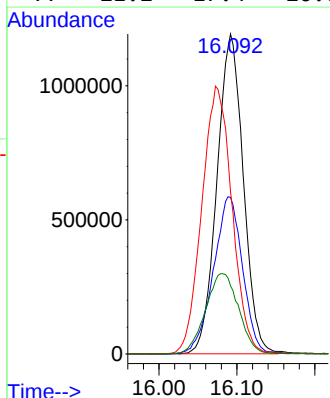
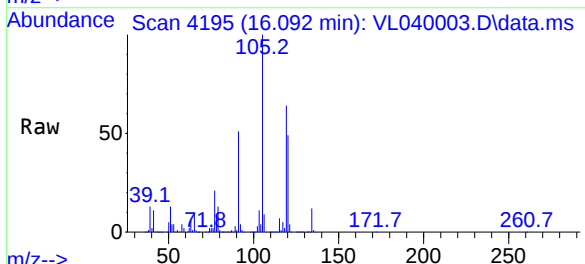
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

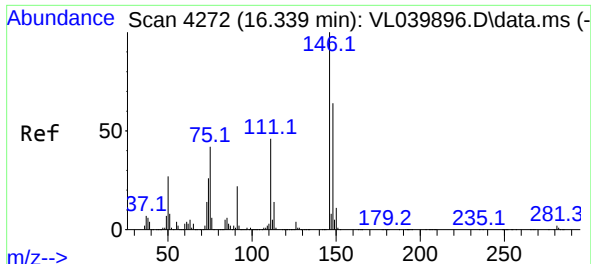
Tgt Ion:105 Resp: 2656785
Ion Ratio Lower Upper
105 100
120 46.5 37.9 56.9



#74
1,2,4-Trimethylbenzene
Concen: 9.798 ppbv
RT: 16.092 min Scan# 4195
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion:105 Resp: 2803008
Ion Ratio Lower Upper
105 100
120 48.7 38.7 58.1
91 50.5 36.4 54.6
77 21.2 17.4 26.0

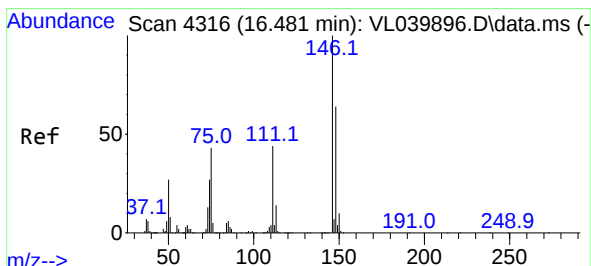
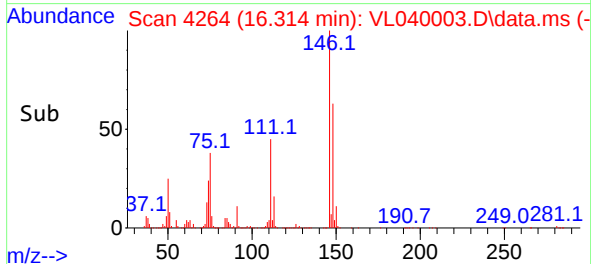
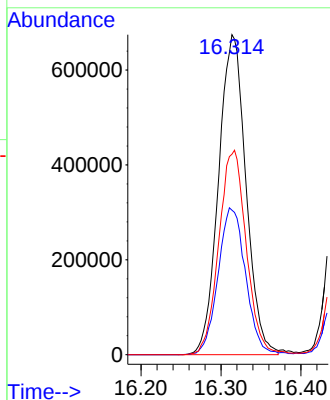
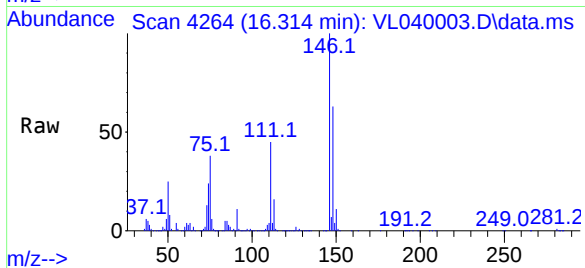




#75
1,3-Dichlorobenzene
Concen: 9.957 ppbv
RT: 16.314 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

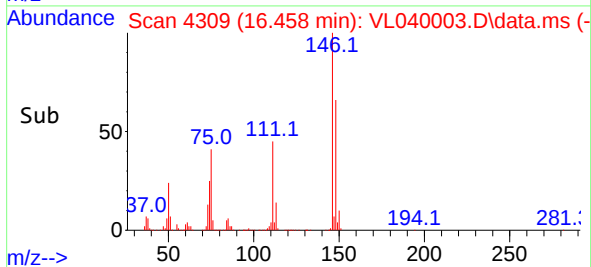
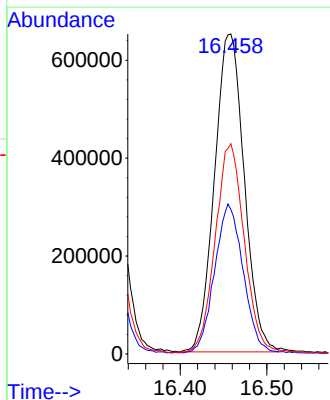
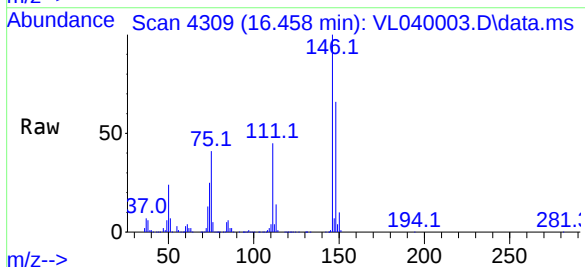
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010EC

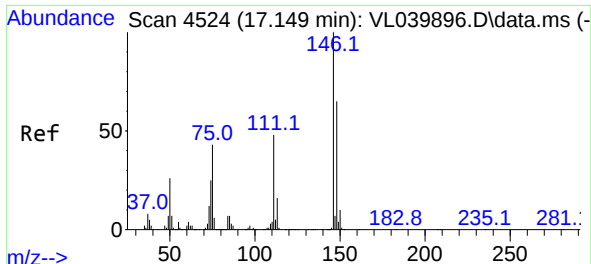
Tgt Ion:146 Resp: 1602517
Ion Ratio Lower Upper
146 100
111 46.4 23.3 69.9
148 64.3 32.2 96.6



#76
1,4-Dichlorobenzene
Concen: 9.719 ppbv
RT: 16.458 min Scan# 4309
Delta R.T. 0.020 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion:146 Resp: 1550725
Ion Ratio Lower Upper
146 100
111 46.3 22.4 67.3
148 65.6 32.3 96.9

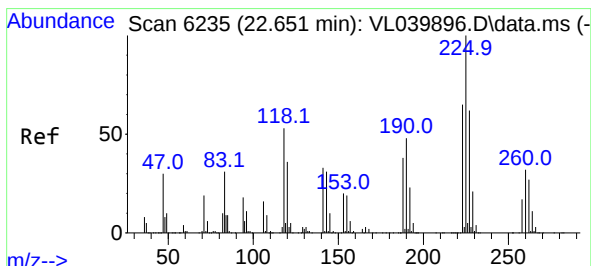
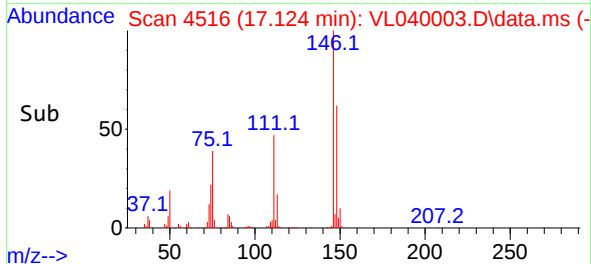
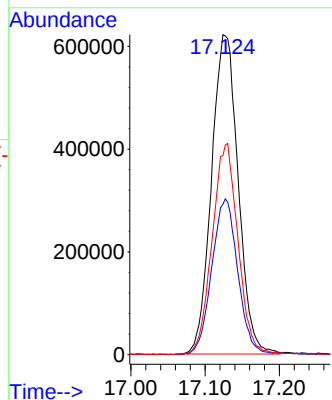
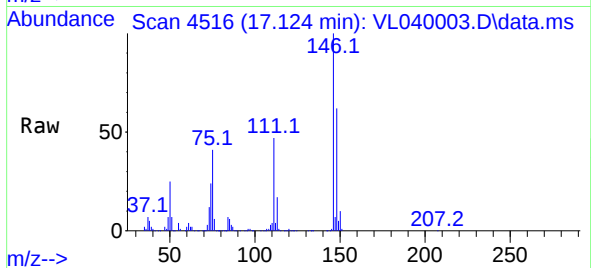




#77
1,2-Dichlorobenzene
Concen: 9.986 ppbv
RT: 17.124 min Scan# 411
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

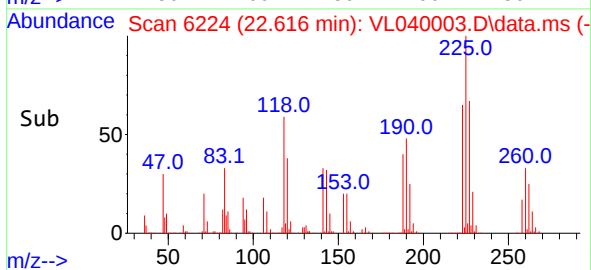
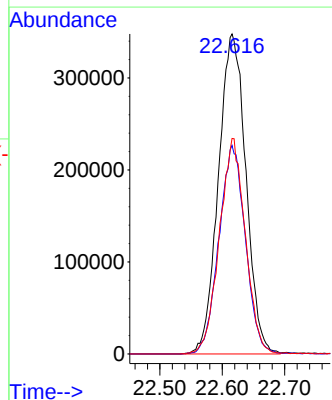
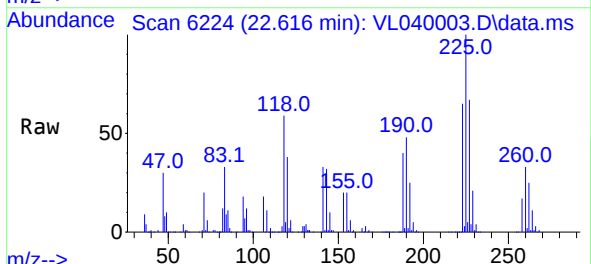
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

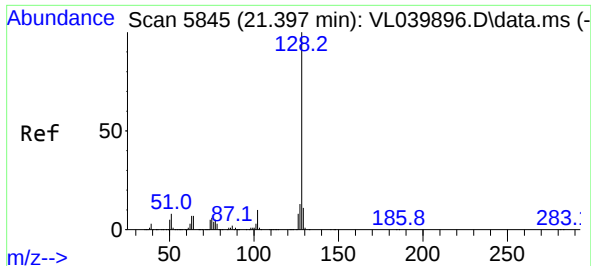
Tgt Ion:146 Resp: 1549558
Ion Ratio Lower Upper
146 100
111 48.2 24.1 72.3
148 64.3 32.4 97.2



#78
Hexachloro-1,3-Butadiene
Concen: 9.880 ppbv
RT: 22.616 min Scan# 6224
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion:225 Resp: 1063810
Ion Ratio Lower Upper
225 100
223 62.9 50.7 76.1
227 63.6 50.8 76.2

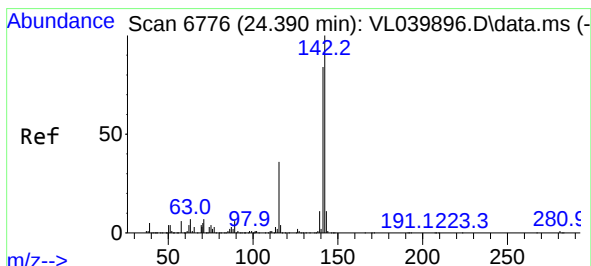
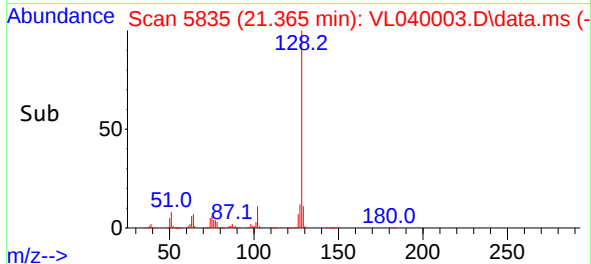
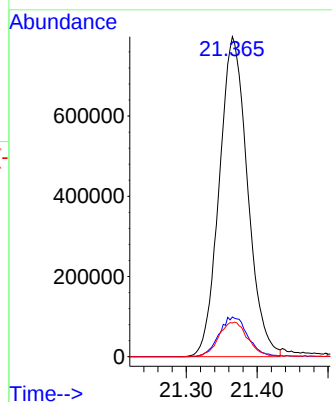
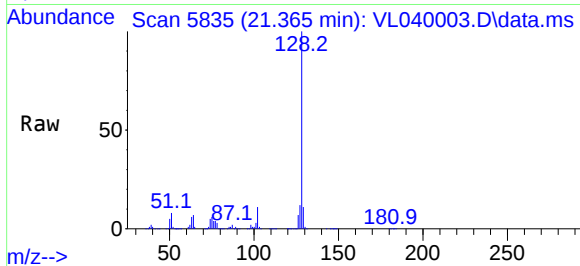




#79
Naphthalene
Concen: 12.919 ppbv
RT: 21.365 min Scan# 5835
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

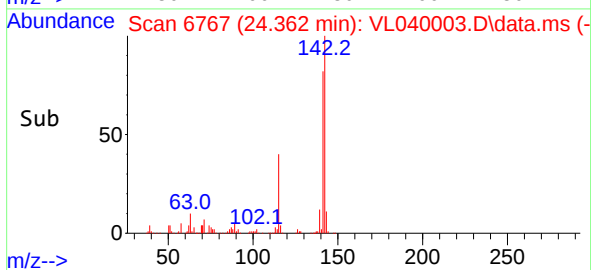
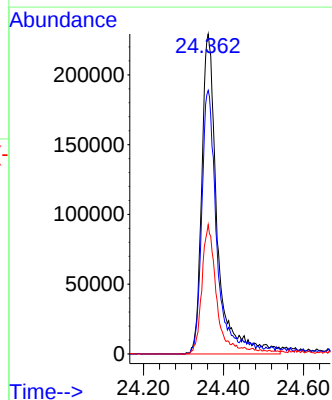
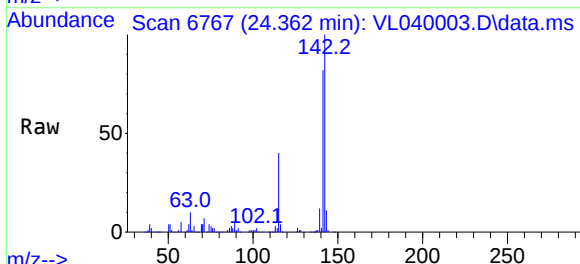
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

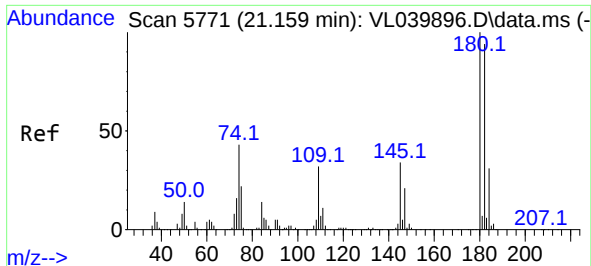
Tgt Ion:128 Resp: 2211831
Ion Ratio Lower Upper
128 100
127 12.4 10.0 15.0
129 10.6 8.8 13.2



#80
Naphthalene,2-methyl-
Concen: 12.862 ppbv
RT: 24.362 min Scan# 6767
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion:142 Resp: 619371
Ion Ratio Lower Upper
142 100
141 81.6 69.1 103.7
115 40.4 29.6 44.4





#81

1,2,4-Trichlorobenzene

Concen: 10.893 ppbv

RT: 21.127 min Scan# 51

Delta R.T. 0.020 min

Lab File: VL040003.D

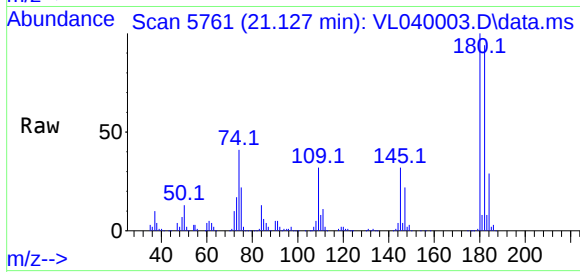
Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:180 Resp: 1151735

Ion Ratio Lower Upper

180 100

182 96.5 77.0 115.6

184 30.8 25.2 37.8

