

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
 Data File : VL040216.D
 Acq On : 23 Feb 2023 10:18
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Feb 24 00:40:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 22 03:17:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	831180	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.655	114	2160254	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.474	117	2607431	10.000	ppbv	#-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1783715	8.319	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	1697063	10.955	ppbv	99
3) Chlorodifluoromethane	2.664	51	1006593	10.138	ppbv	99
4) Chloromethane	2.803	50	634947	10.181	ppbv	96
5) Vinyl Chloride	2.912	62	554082	11.055	ppbv	98
6) Bromomethane	3.111	94	185092	10.232	ppbv	97
7) Chloroethane	3.189	64	201001	10.113	ppbv	97
8) Dichlorotetrafluoroethane	2.848	85	1398541	10.477	ppbv	100
9) Propene	2.684	41	407227	10.062	ppbv	99
10) Heptane	7.581	43	1063232	11.037	ppbv	100
11) Trichlorofluoromethane	3.555	101	1477903	10.633	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	1103964	10.766	ppbv	99
13) Ethanol	3.243	45	6605	1.773	ppbv #	1
14) Bromoethene	3.359	108	437046	11.115	ppbv	99
15) Acetone	3.459	43	967139	9.665	ppbv	99
16) 1,3-Butadiene	2.976	39	487404	10.665	ppbv	97
17) tert-Butyl alcohol	3.870	59	1003661	10.997	ppbv	99
18) 1,1-Dichloroethene	3.873	96	483107	10.843	ppbv	98
19) Isopropyl Alcohol	3.568	45	449330	9.446	ppbv	99
20) Methylene Chloride	3.925	84	407634	7.825	ppbv	97
21) Allyl Chloride	3.989	41	674439	10.988	ppbv	98
22) trans-1,2-Dichloroethene	4.439	96	500950	10.858	ppbv	95
23) Vinyl Acetate	4.623	43	323372	10.648	ppbv	99
24) 1,1-Dichloroethane	4.558	63	1018545	10.730	ppbv	98
25) Ethyl Acetate	5.201	43	1912518	10.281	ppbv	100
26) Hexane	5.211	57	806908	10.104	ppbv	99
27) Carbon Disulfide	4.118	76	1186829	11.712	ppbv	100
28) Methyl tert-Butyl Ether	4.581	73	909595	10.630	ppbv	97
29) Chloroform	5.272	83	1392381	10.154	ppbv	95
30) Cyclohexane	6.600	84	683206	10.895	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	777542	10.247	ppbv	96
32) 1,1,1-Trichloroethane	6.002	97	1433456	11.126	ppbv	100
34) 2-Butanone	4.780	43	1080746	10.142	ppbv	98
35) Carbon Tetrachloride	6.494	117	1483298	11.615	ppbv	99
36) Benzene	6.372	78	1754616	10.437	ppbv	99
37) 1,2-Dichloroethane	5.806	62	1107209	10.530	ppbv	99
38) Trichloroethene	7.291	130	1041351	11.241	ppbv	98
39) 1,2-Dichloropropane	7.076	63	670039	10.245	ppbv	96
40) 1,4-Dioxane	7.288	88	247111	9.446	ppbv	80
41) Tetrahydrofuran	5.555	42	657422	10.646	ppbv	99
42) Bromodichloromethane	7.253	83	1590708	10.961	ppbv	99
43) Methyl Methacrylate	7.478	69	693354	11.146	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	2916396	10.392	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	662506	12.006	ppbv	100

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 ClientSampleId :
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Quant Time: Feb 24 00:40:08 2023
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 22 03:17:31 2023
 Response via : Initial Calibration

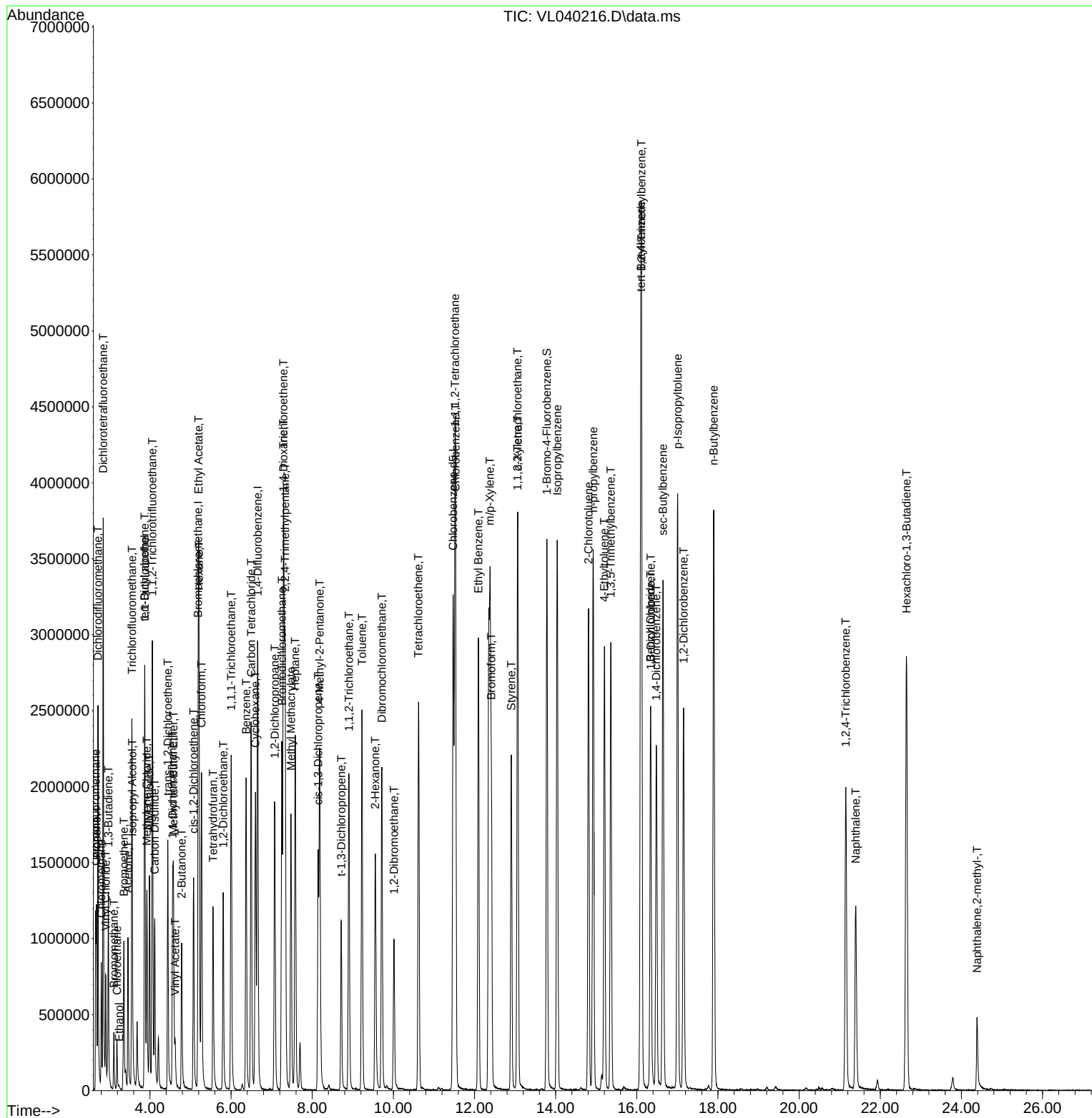
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	899490	11.701	ppbv	95
47) 1,1,2-Trichloroethane	8.905	97	736123	10.407	ppbv	97
48) Dibromochloromethane	9.716	129	1297726	11.470	ppbv	99
49) Bromoform	12.413	173	1018355	11.532	ppbv	100
50) 4-Methyl-2-Pentanone	8.182	43	1822687	11.016	ppbv	99
51) 2-Hexanone	9.555	43	1400586	11.007	ppbv #	98
52) Tetrachloroethene	10.619	164	587824	11.197	ppbv	97
53) Toluene	9.227	91	1991932	11.062	ppbv	99
54) 1,2-Dibromoethane	10.015	107	814366	11.065	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.516	131	916603	8.375	ppbv	95
57) Chlorobenzene	11.536	112	1533831	8.052	ppbv	99
58) Ethyl Benzene	12.095	91	2743362	8.659	ppbv	97
59) m/p-Xylene	12.381	91	2614777	9.319	ppbv #	46
60) o-Xylene	13.066	91	2300764	8.522	ppbv	99
61) Styrene	12.905	104	1292647	9.119	ppbv	99
62) Isopropylbenzene	14.037	105	3224975	8.322	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	775080	7.966	ppbv	98
64) n-propylbenzene	14.928	120	805753	8.400	ppbv	94
65) tert-Butylbenzene	16.101	119	2815127	8.357	ppbv	99
66) Benzyl Chloride	16.339	91	159053	7.095	ppbv	96
67) sec-Butylbenzene	16.645	105	3485063	7.214	ppbv	100
69) p-Isopropyltoluene	17.005	119	3098714	8.091	ppbv	99
70) n-Butylbenzene	17.895	91	3375582	8.120	ppbv	100
71) 2-Chlorotoluene	14.812	91	2484649	8.383	ppbv	100
72) 4-Ethyltoluene	15.201	105	2587927	8.671	ppbv	100
73) 1,3,5-Trimethylbenzene	15.359	105	2308044	8.311	ppbv	97
74) 1,2,4-Trimethylbenzene	16.117	105	2506369	8.216	ppbv	99
75) 1,3-Dichlorobenzene	16.342	146	1227973	7.356	ppbv	99
76) 1,4-Dichlorobenzene	16.481	146	1189068	7.268	ppbv	98
77) 1,2-Dichlorobenzene	17.153	146	1273327	7.679	ppbv	100
78) Hexachloro-1,3-Butadiene	22.648	225	784487	6.886	ppbv	100
79) Naphthalene	21.400	128	1496784	8.734	ppbv	98
80) Naphthalene,2-methyl-	24.384	142	339831	6.973	ppbv	96
81) 1,2,4-Trichlorobenzene	21.149	180	825788	7.700	ppbv	98

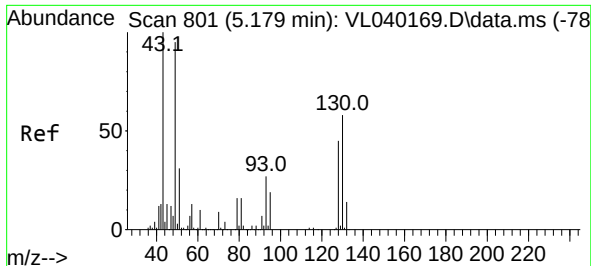
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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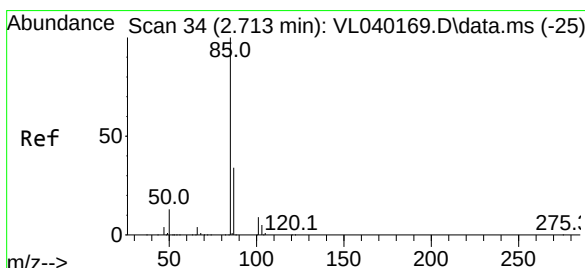
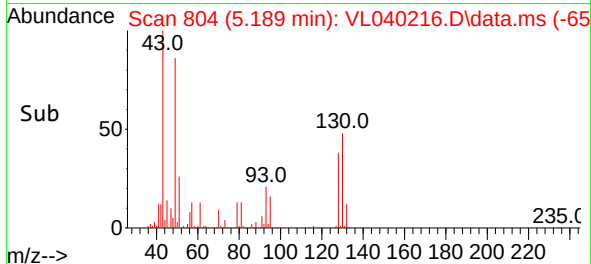
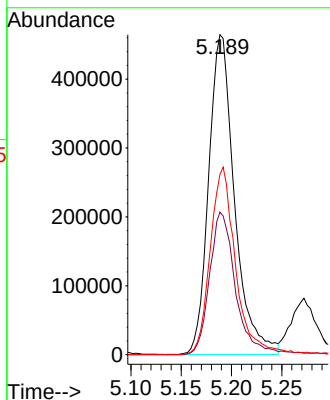
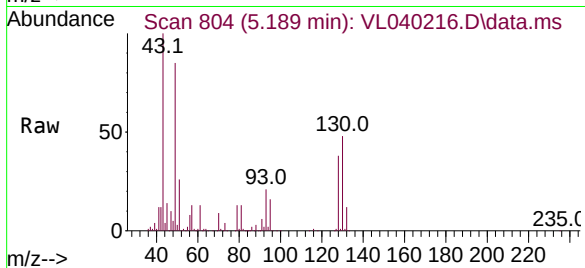




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.016 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

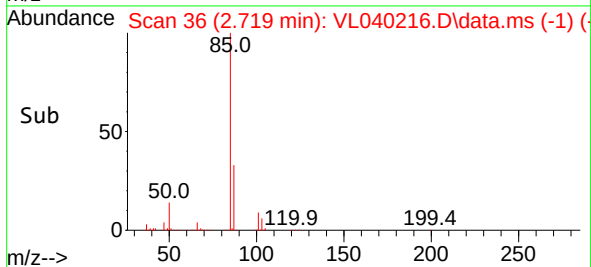
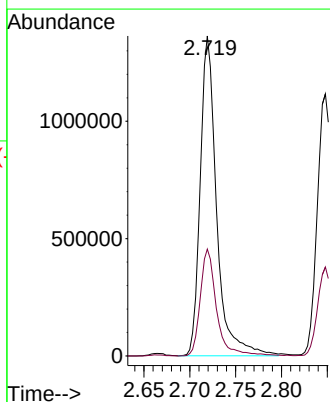
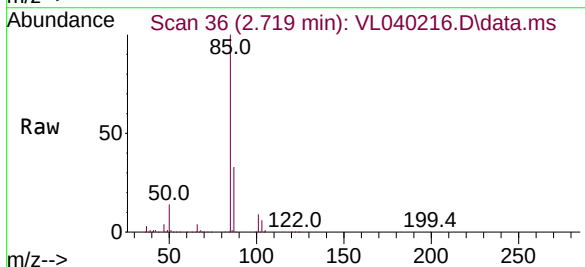
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

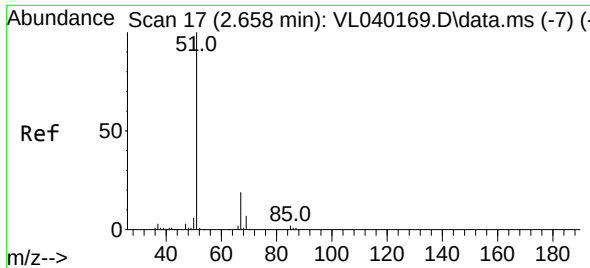
Tgt Ion: 49 Resp: 831180
Ion Ratio Lower Upper
49 100
128 45.2 24.1 72.3
130 58.8 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 10.955 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.010 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion: 85 Resp: 1697063
Ion Ratio Lower Upper
85 100
87 33.4 27.0 40.6

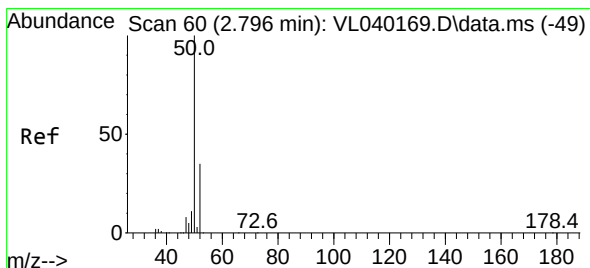
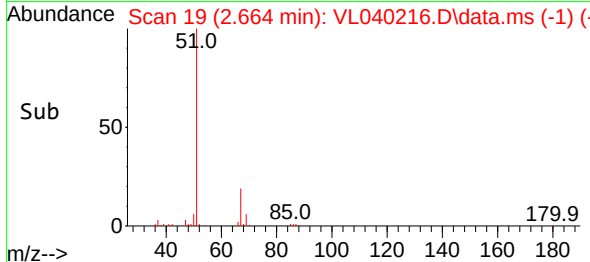
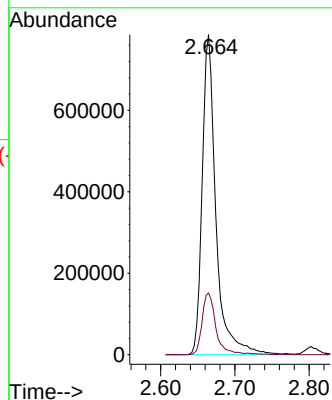
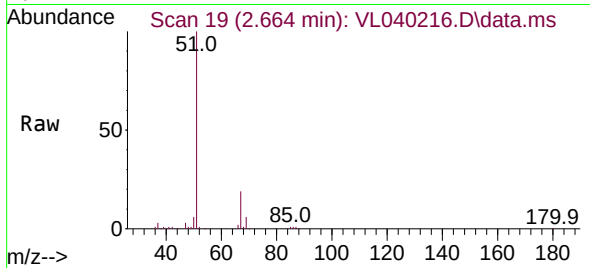




#3
Chlorodifluoromethane
Concen: 10.138 ppbv
RT: 2.664 min Scan# 19
Delta R.T. -0.010 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

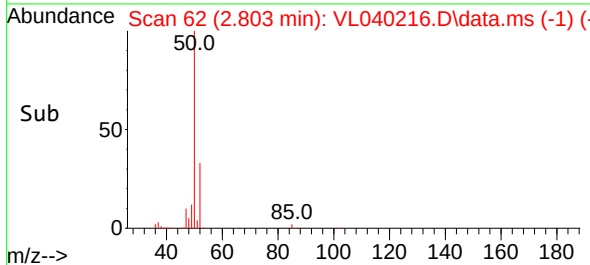
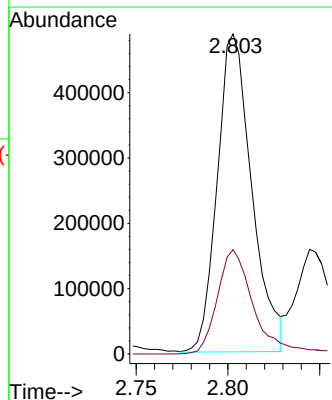
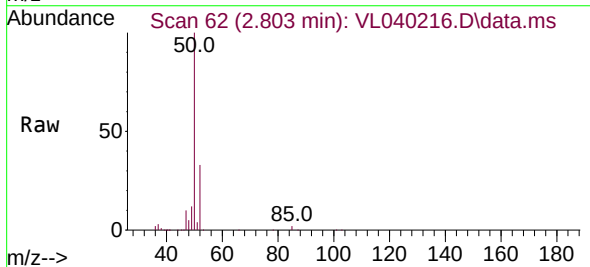
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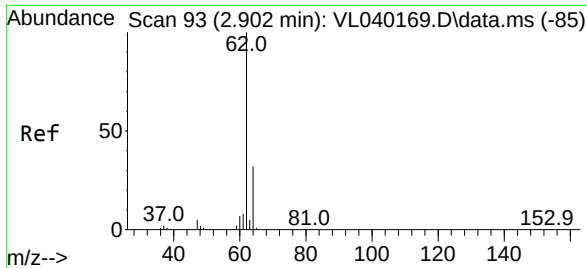
Tgt Ion: 51 Resp: 1006593
Ion Ratio Lower Upper
51 100
67 19.8 15.4 23.2



#4
Chloromethane
Concen: 10.181 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.010 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion: 50 Resp: 634947
Ion Ratio Lower Upper
50 100
52 32.9 28.3 42.5

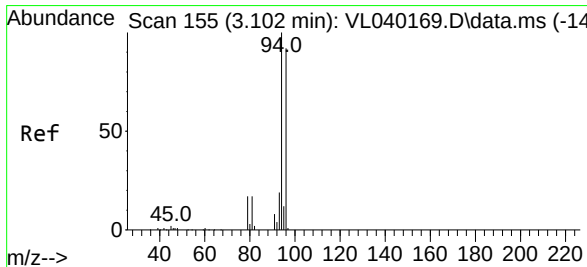
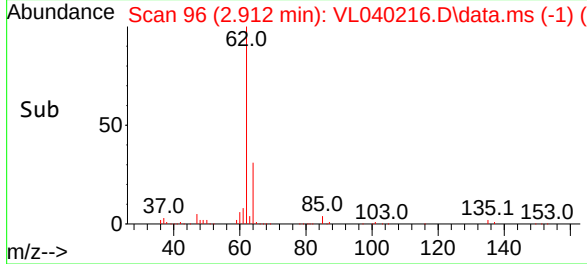
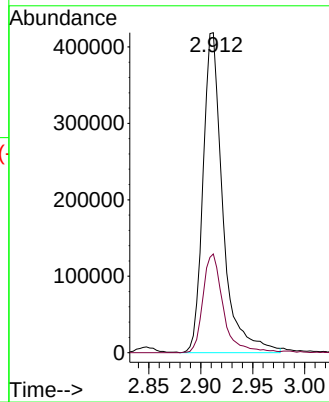
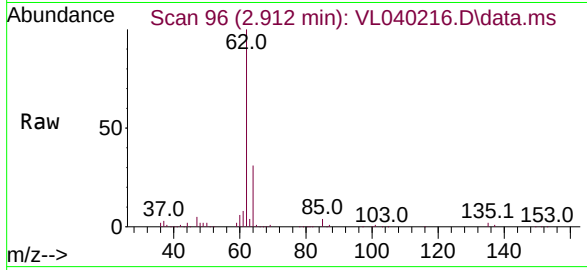




#5
 Vinyl Chloride
 Concen: 11.055 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. -0.010 min
 Lab File: VL040216.D
 Acq: 23 Feb 2023 10:18

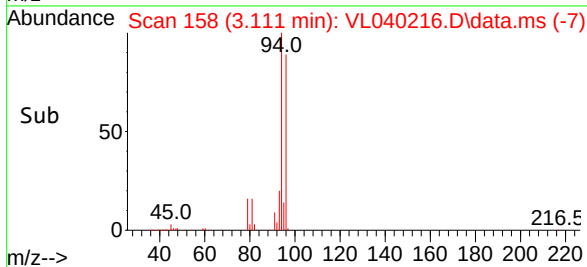
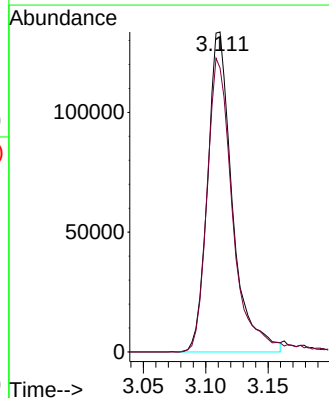
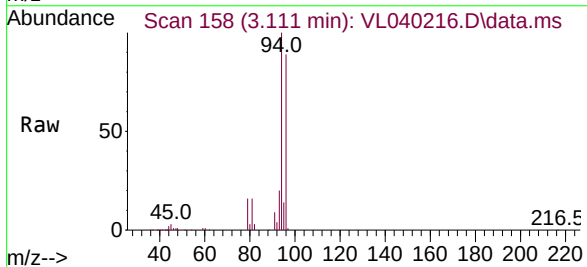
Instrument :
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 VSTDCCC010

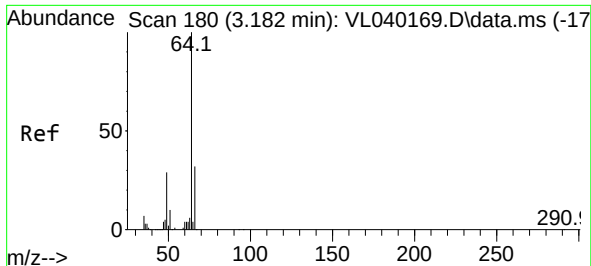
Tgt Ion: 62 Resp: 554082
 Ion Ratio Lower Upper
 62 100
 64 30.8 25.6 38.4



#6
 Bromomethane
 Concen: 10.232 ppbv
 RT: 3.111 min Scan# 158
 Delta R.T. -0.013 min
 Lab File: VL040216.D
 Acq: 23 Feb 2023 10:18

Tgt Ion: 94 Resp: 185092
 Ion Ratio Lower Upper
 94 100
 96 88.7 73.4 110.2

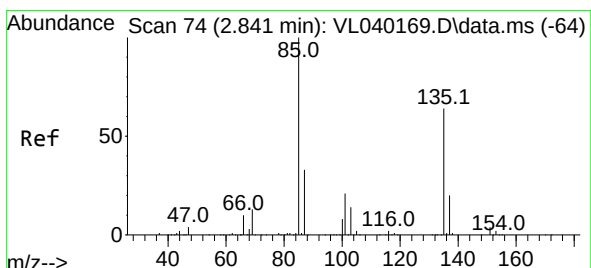
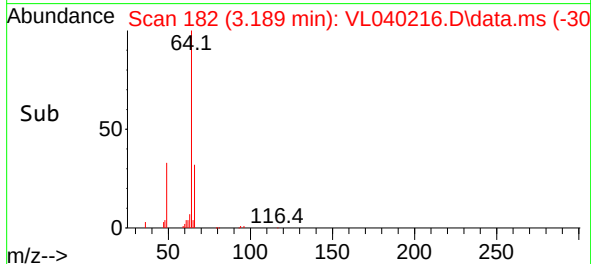
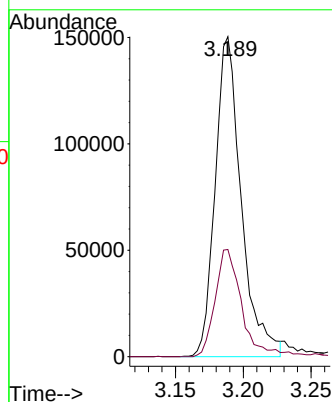
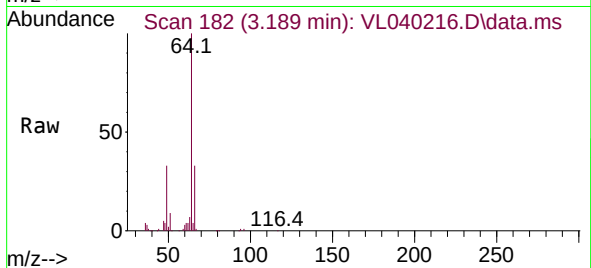




#7
Chloroethane
Concen: 10.113 ppbv
RT: 3.189 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

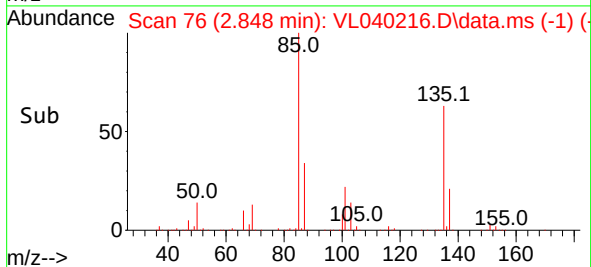
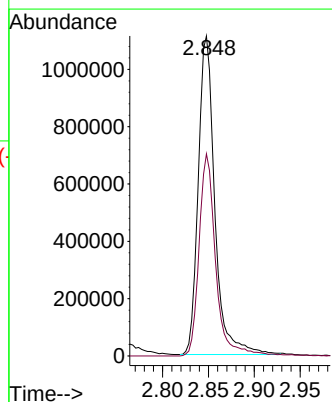
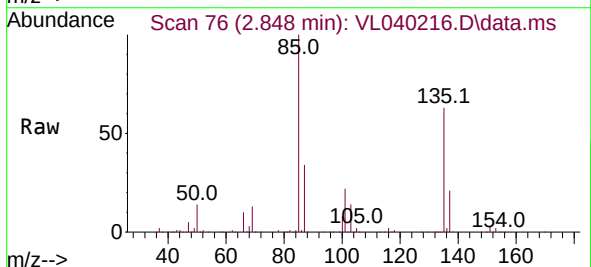
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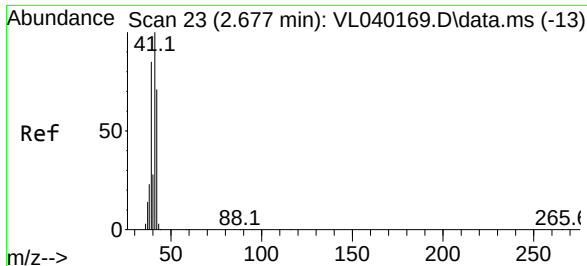
Tgt Ion: 64 Resp: 201001
Ion Ratio Lower Upper
64 100
66 33.5 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 10.477 ppbv
RT: 2.848 min Scan# 76
Delta R.T. -0.010 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion: 85 Resp: 1398541
Ion Ratio Lower Upper
85 100
135 64.2 51.5 77.3

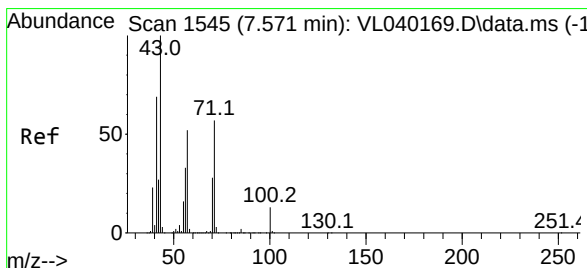
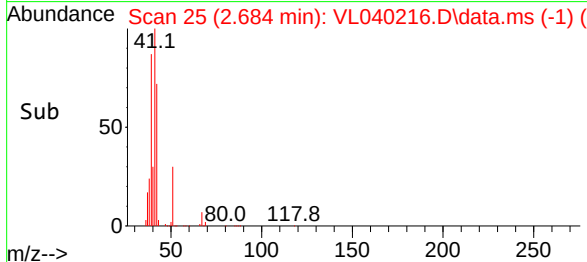
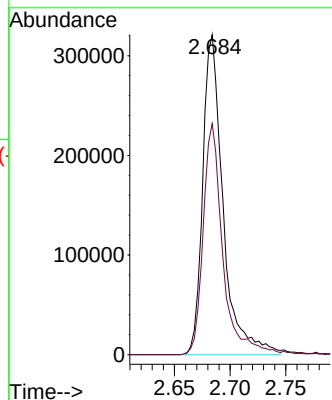
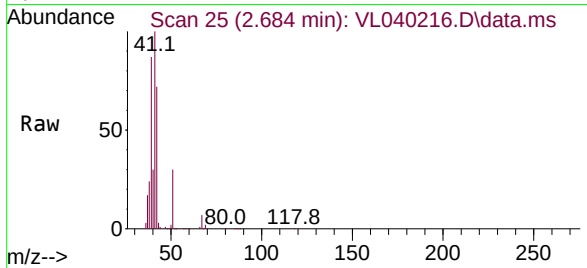




#9
Propene
Concen: 10.062 ppbv
RT: 2.684 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

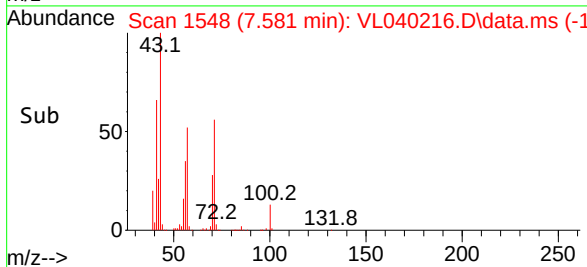
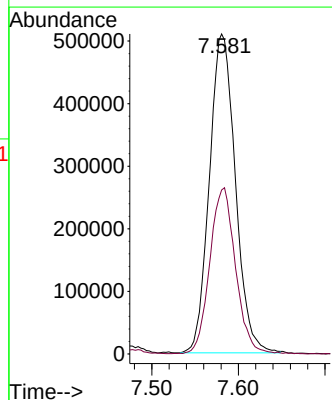
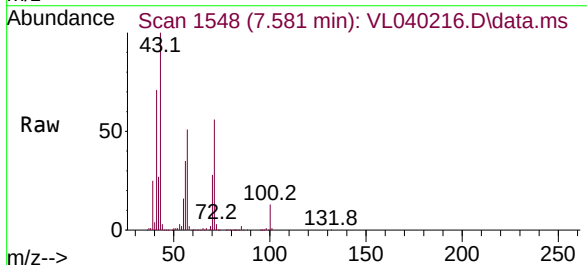
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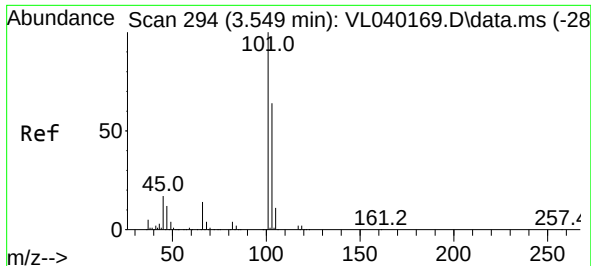
Tgt Ion: 41 Resp: 407227
Ion Ratio Lower Upper
41 100
42 70.5 56.9 85.3



#10
Heptane
Concen: 11.037 ppbv
RT: 7.581 min Scan# 1548
Delta R.T. -0.023 min
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Tgt Ion: 43 Resp: 1063232
Ion Ratio Lower Upper
43 100
57 51.8 41.4 62.2

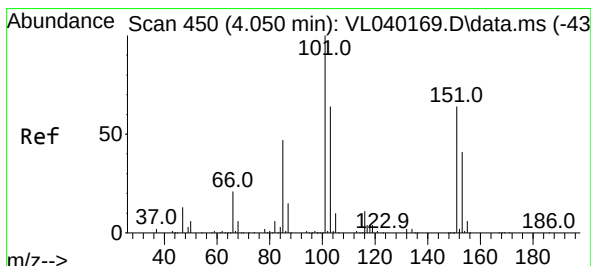
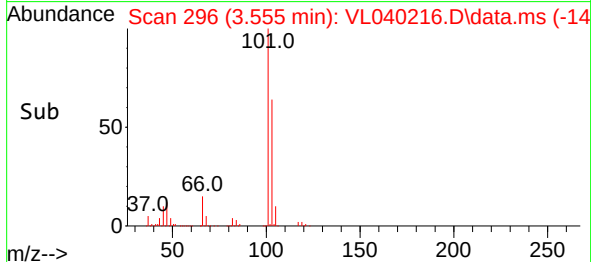
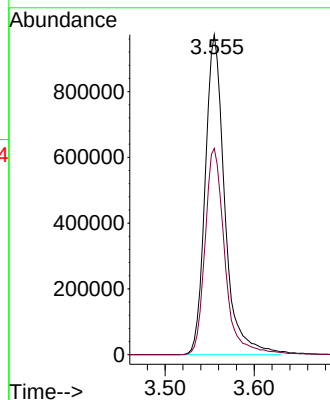
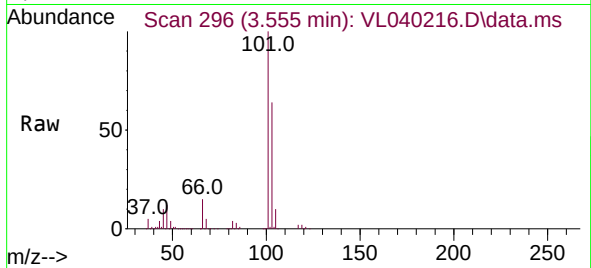




#11
Trichlorofluoromethane
Concen: 10.633 ppbv
RT: 3.555 min Scan# 294
Delta R.T. -0.013 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

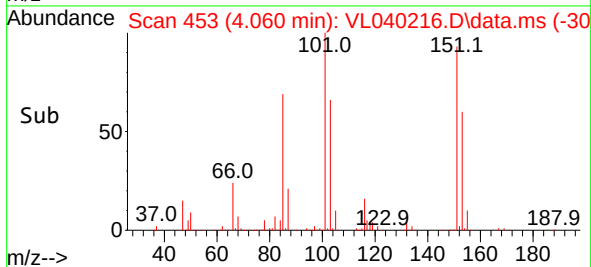
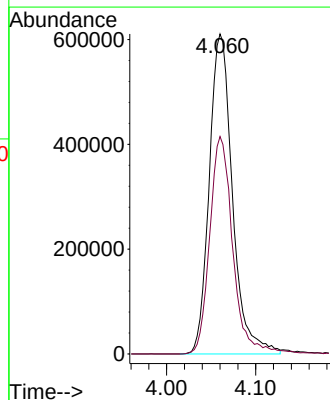
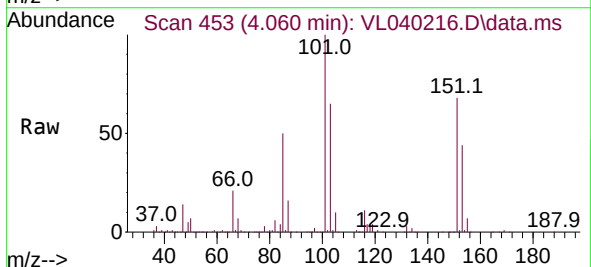
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

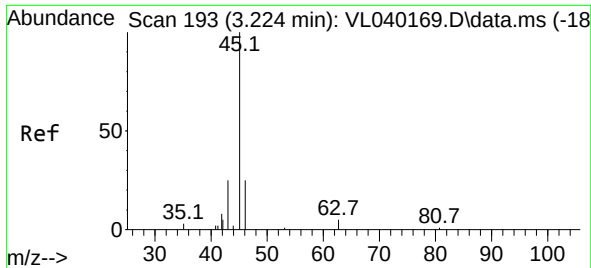
Tgt Ion:101 Resp: 1477903
Ion Ratio Lower Upper
101 100
103 64.4 51.0 76.6



#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.766 ppbv
RT: 4.060 min Scan# 453
Delta R.T. -0.013 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion:101 Resp: 1103964
Ion Ratio Lower Upper
101 100
151 67.9 54.7 82.1

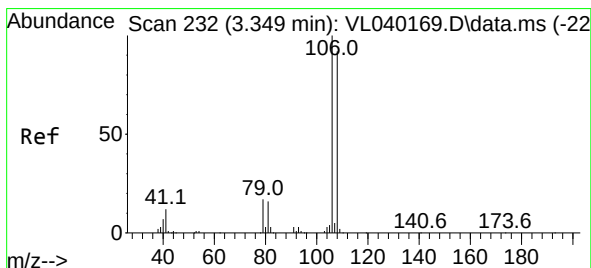
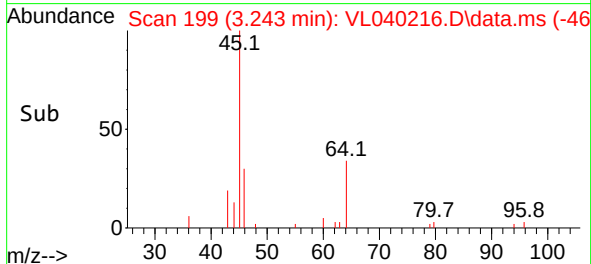
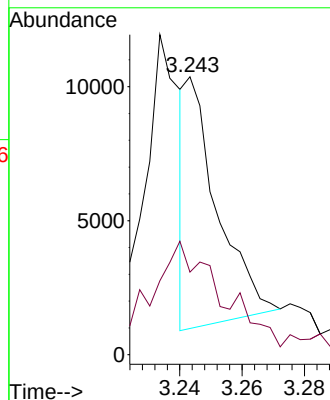
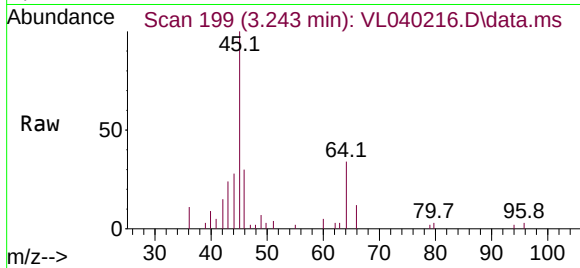




#13
Ethanol
Concen: 1.773 ppbv
RT: 3.243 min Scan# 193
Delta R.T. -0.007 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

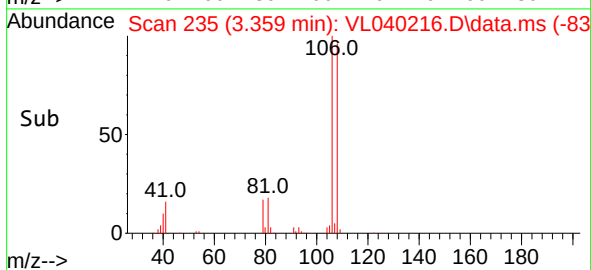
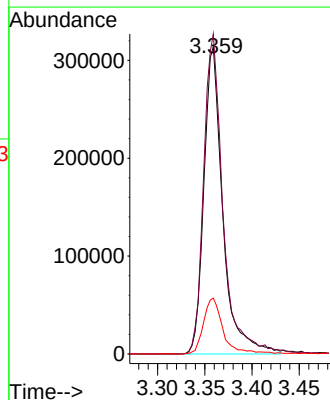
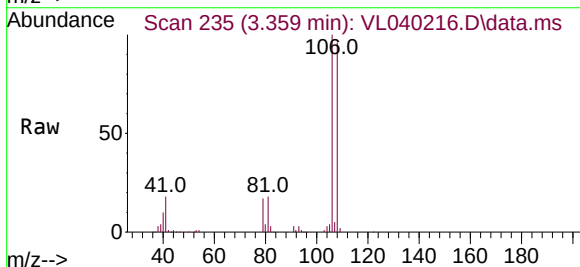
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

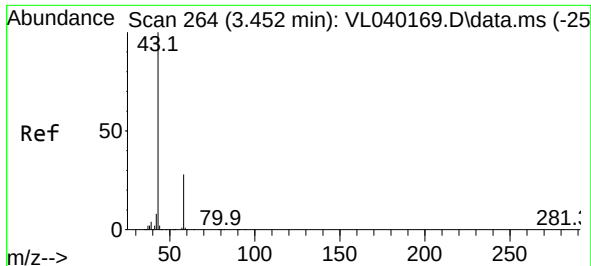
Tgt Ion: 45 Resp: 6605
Ion Ratio Lower Upper
45 100
46 119.2 13.3 53.1#



#14
Bromoethene
Concen: 11.115 ppbv
RT: 3.359 min Scan# 235
Delta R.T. -0.010 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion:108 Resp: 437046
Ion Ratio Lower Upper
108 100
106 107.5 87.1 130.7
79 19.2 15.4 23.2

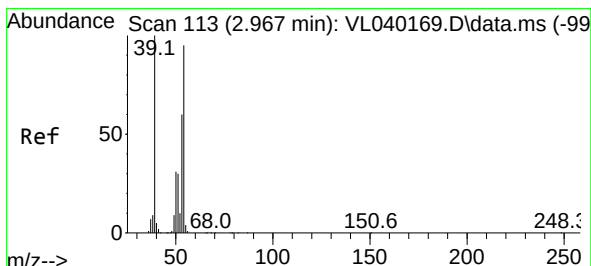
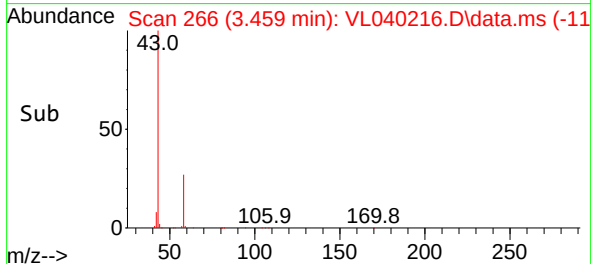
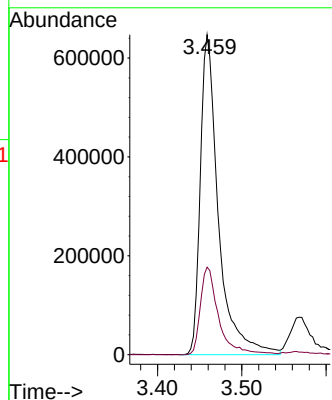
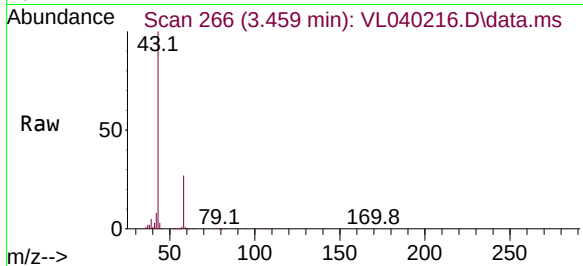




#15
Acetone
Concen: 9.665 ppbv
RT: 3.459 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

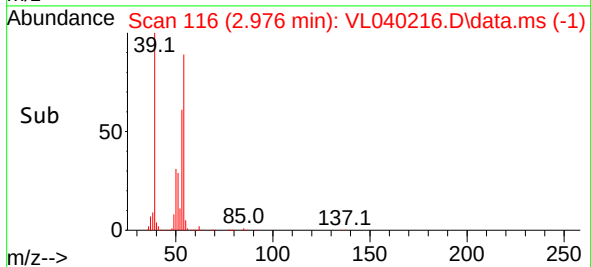
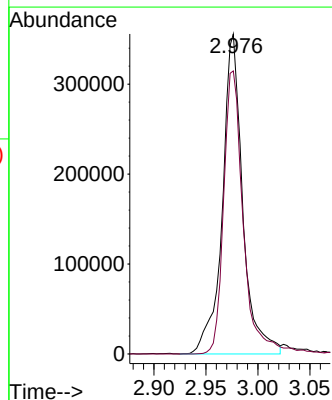
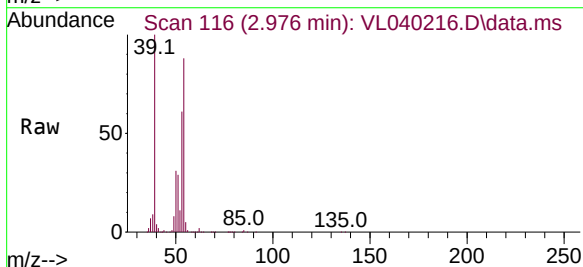
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

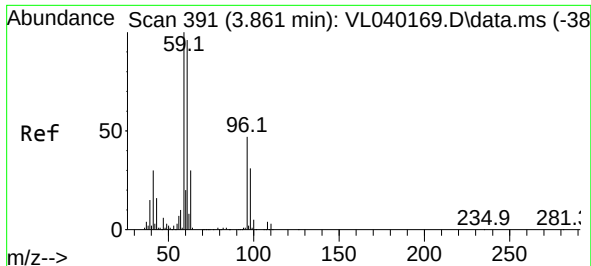
Tgt Ion: 43 Resp: 967139
Ion Ratio Lower Upper
43 100
58 27.6 22.4 33.6



#16
1,3-Butadiene
Concen: 10.665 ppbv
RT: 2.976 min Scan# 116
Delta R.T. -0.010 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion: 39 Resp: 487404
Ion Ratio Lower Upper
39 100
54 86.3 66.7 100.1





#17

tert-Butyl alcohol

Concen: 10.997 ppbv

RT: 3.870 min Scan# 391

Delta R.T. -0.016 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

Instrument :

MSVOA_L

ClientSampleId :

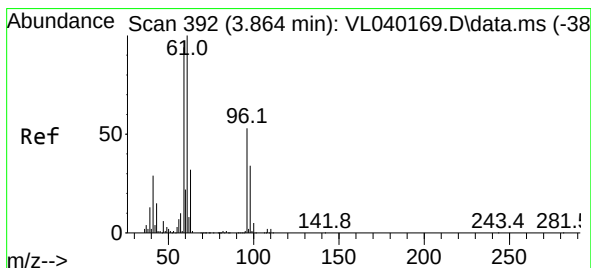
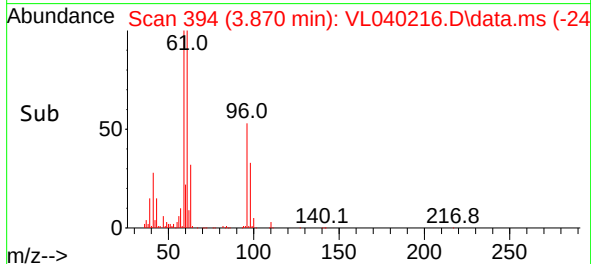
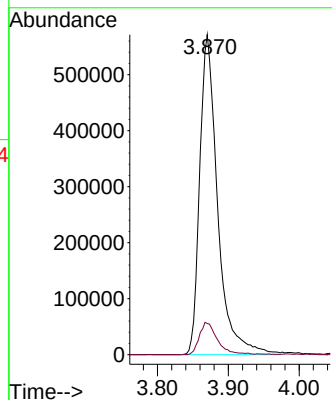
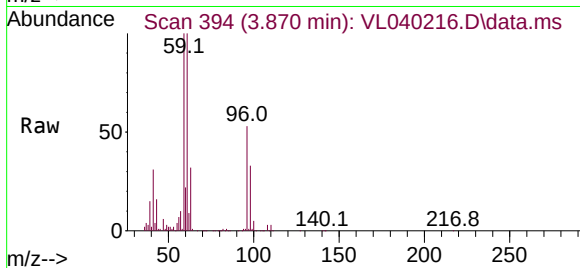
VSTDCCC010

Tgt Ion: 59 Resp: 1003661

Ion Ratio Lower Upper

59 100

57 10.4 8.5 12.7



#18

1,1-Dichloroethene

Concen: 10.843 ppbv

RT: 3.873 min Scan# 395

Delta R.T. -0.013 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

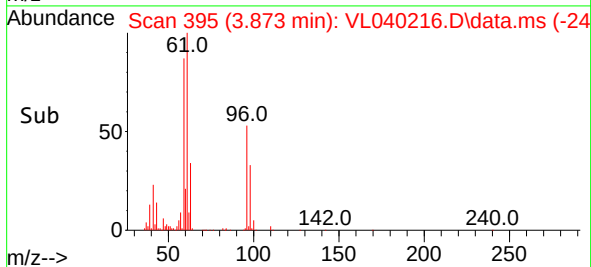
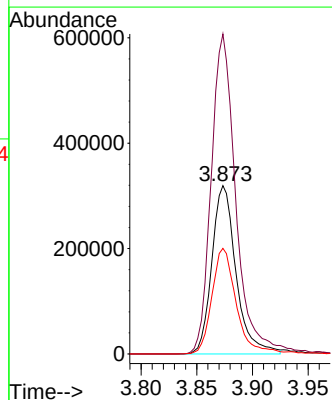
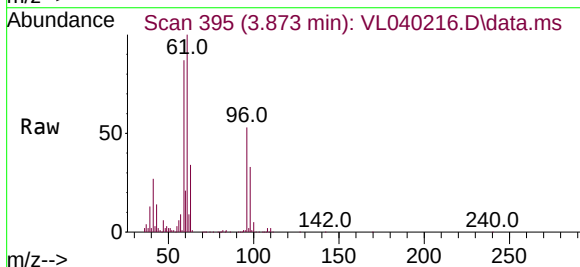
Tgt Ion: 96 Resp: 483107

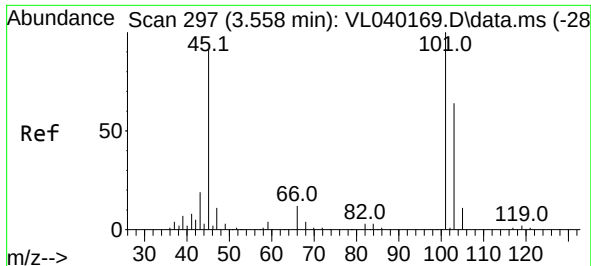
Ion Ratio Lower Upper

96 100

61 190.1 149.6 224.4

98 62.8 51.1 76.7





#19

Isopropyl Alcohol

Concen: 9.446 ppbv

RT: 3.568 min Scan# 300

Delta R.T. -0.013 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

Instrument :

MSVOA_L

ClientSampleId :

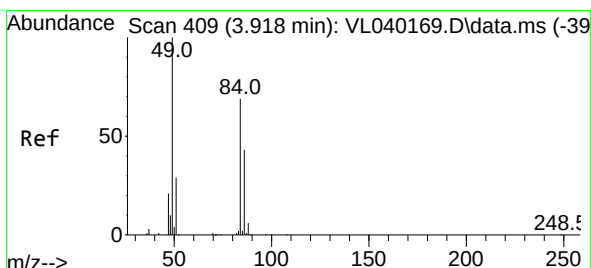
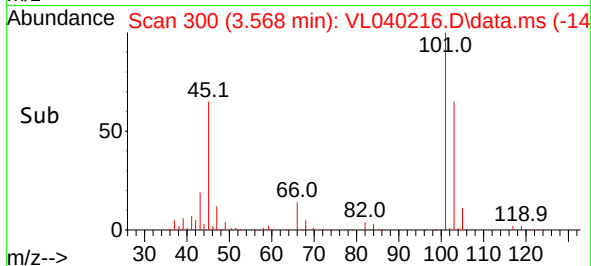
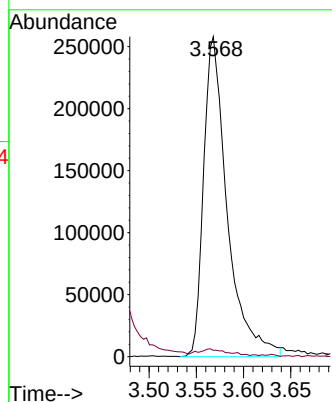
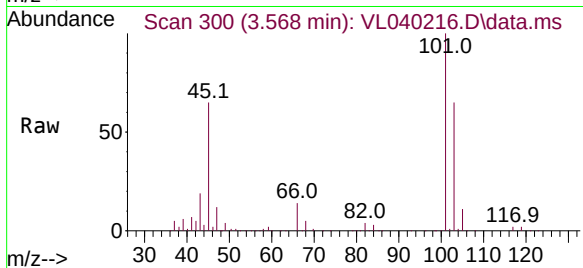
VSTDCCC010

Tgt Ion: 45 Resp: 449330

Ion Ratio Lower Upper

45 100

58 3.0 2.6 3.8



#20

Methylene Chloride

Concen: 7.825 ppbv

RT: 3.925 min Scan# 411

Delta R.T. -0.013 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

Tgt Ion: 84 Resp: 407634

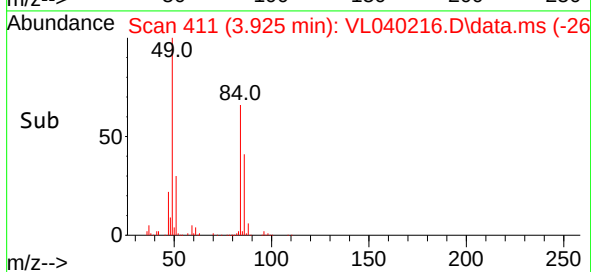
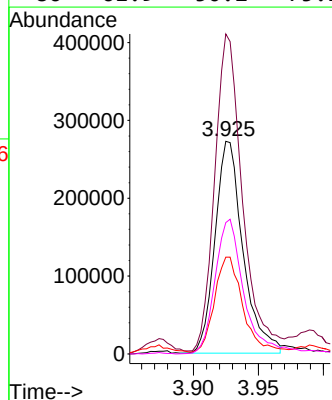
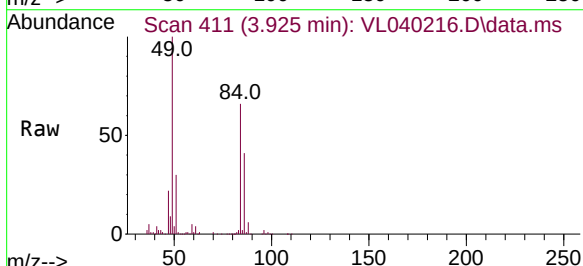
Ion Ratio Lower Upper

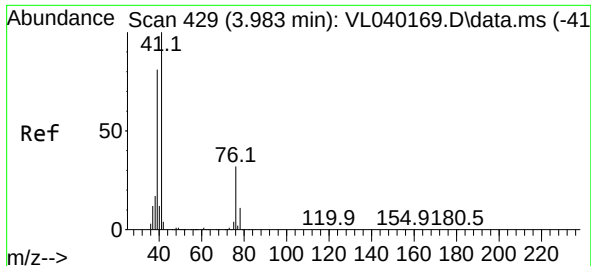
84 100

49 148.7 115.5 173.3

51 44.1 33.1 49.7

86 61.9 50.2 75.2





#21

Allyl Chloride

Concen: 10.988 ppbv

RT: 3.989 min Scan# 41

Delta R.T. -0.013 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

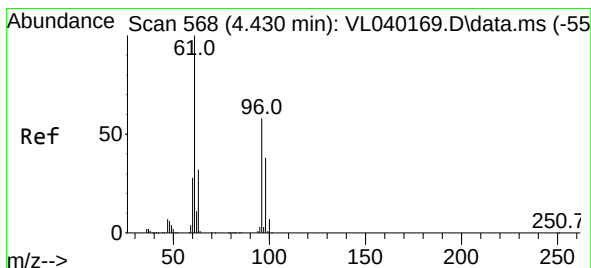
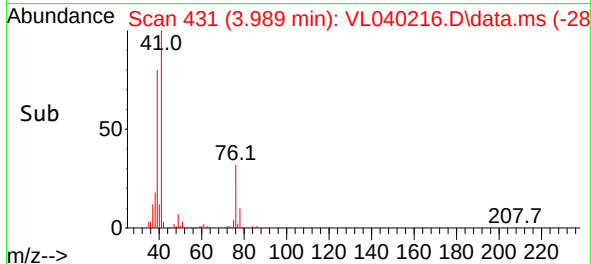
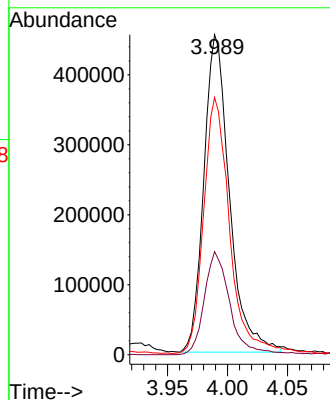
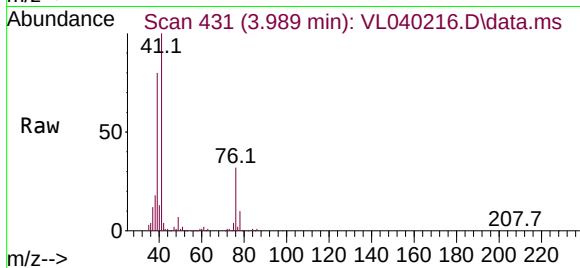
Tgt Ion: 41 Resp: 674439

Ion Ratio Lower Upper

41 100

76 32.6 25.5 38.3

39 82.8 64.5 96.7



#22

trans-1,2-Dichloroethene

Concen: 10.858 ppbv

RT: 4.439 min Scan# 571

Delta R.T. -0.016 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

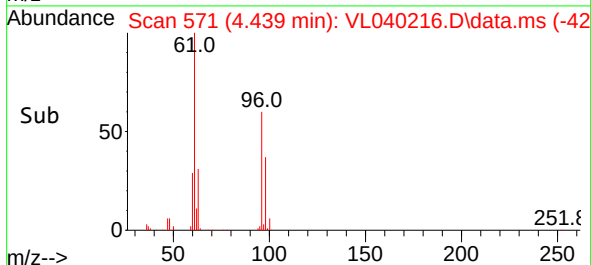
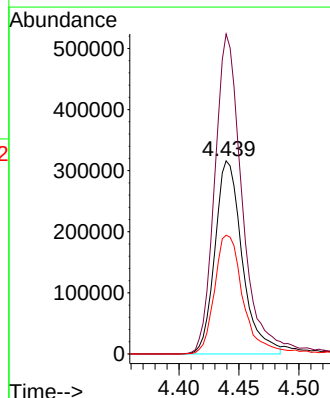
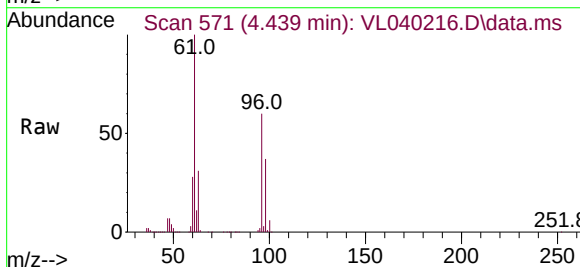
Tgt Ion: 96 Resp: 500950

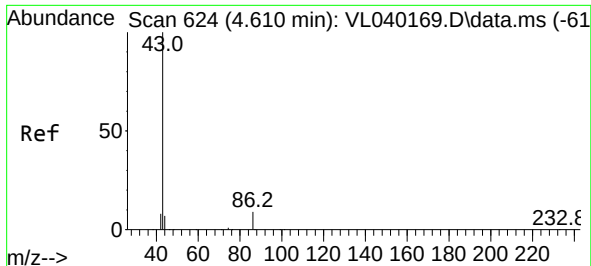
Ion Ratio Lower Upper

96 100

61 165.7 137.5 206.3

98 61.5 52.8 79.2



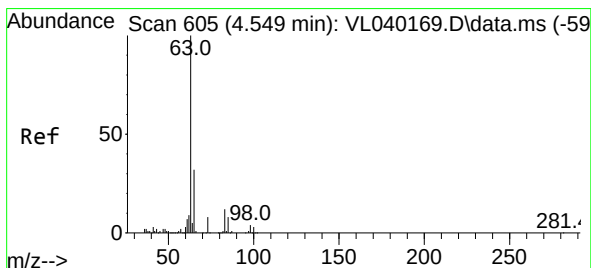
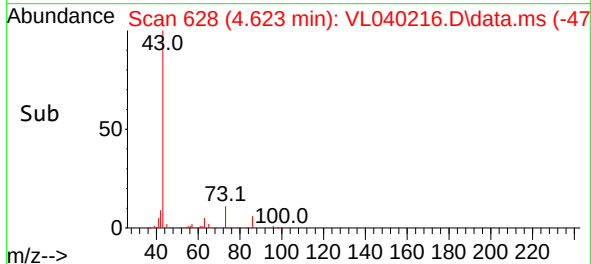
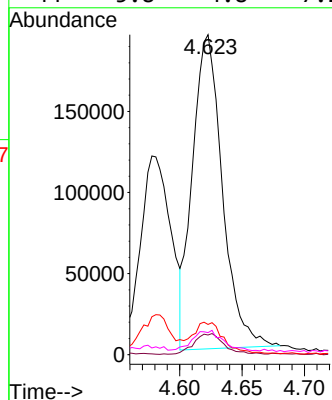
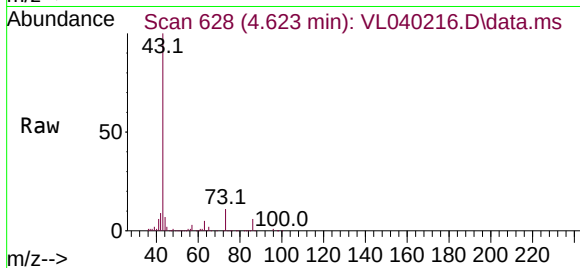


#23
 Vinyl Acetate
 Concen: 10.648 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. -0.016 min
 Lab File: VL040216.D
 Acq: 23 Feb 2023 10:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 323372

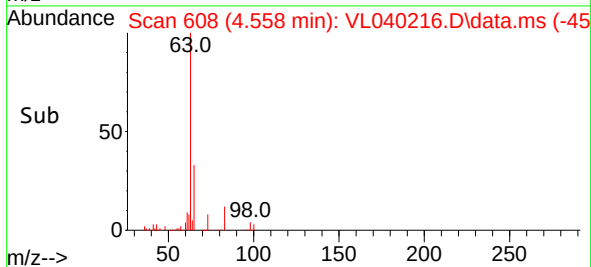
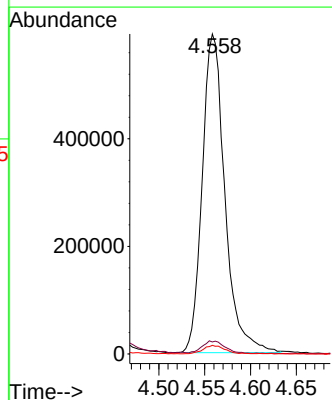
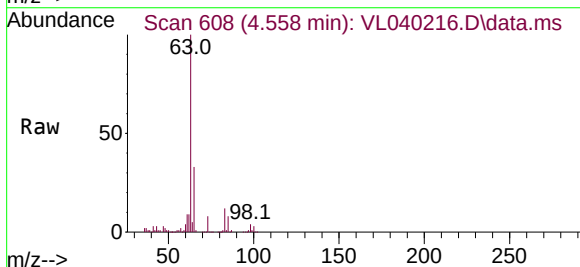
Ion	Ratio	Lower	Upper
43	100		
86	6.0	5.6	8.4
42	9.4	7.6	11.4
44	5.8	4.8	7.2

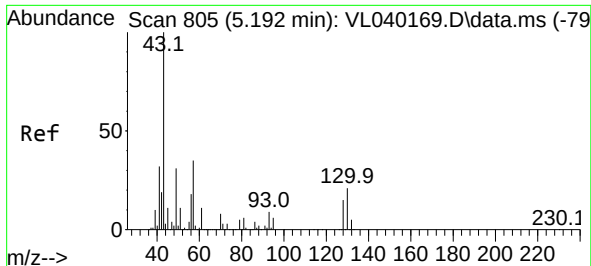


#24
 1,1-Dichloroethane
 Concen: 10.730 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. -0.016 min
 Lab File: VL040216.D
 Acq: 23 Feb 2023 10:18

Tgt Ion: 63 Resp: 1018545

Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.3	6.8
100	2.7	1.4	4.0





#25

Ethyl Acetate

Concen: 10.281 ppbv

RT: 5.201 min Scan# 80

Delta R.T. -0.016 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1912518

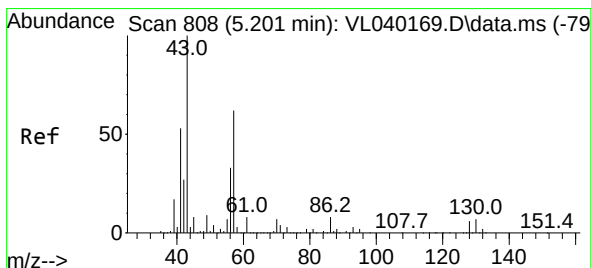
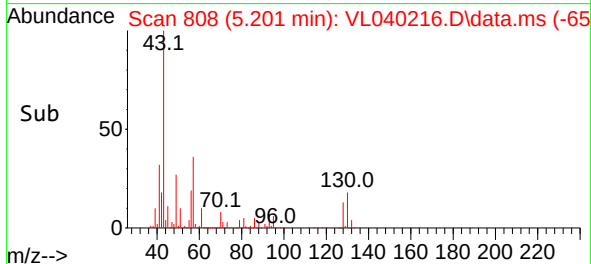
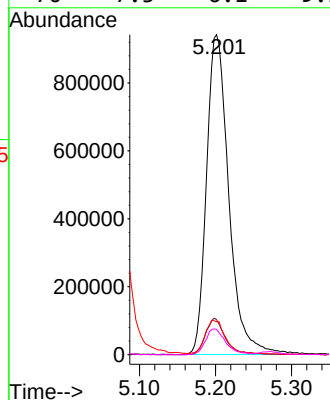
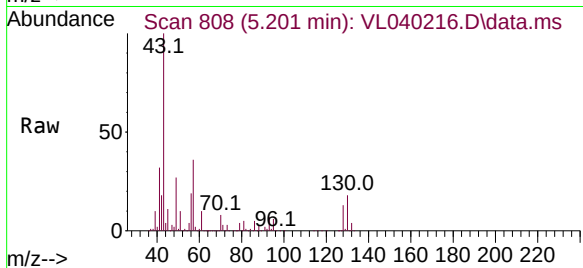
Ion Ratio Lower Upper

43 100

45 10.4 8.3 12.5

61 10.3 8.4 12.6

70 7.3 6.1 9.1



#26

Hexane

Concen: 10.104 ppbv

RT: 5.211 min Scan# 811

Delta R.T. -0.013 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

Tgt Ion: 57 Resp: 806908

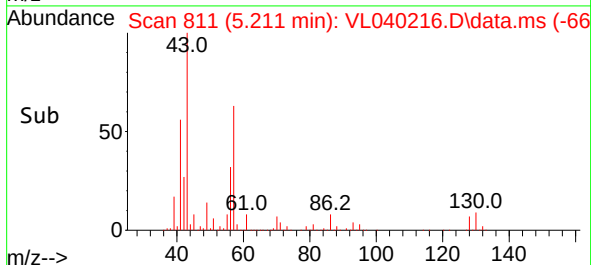
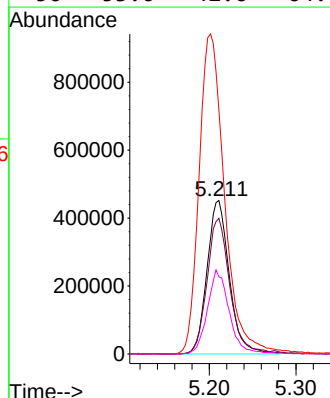
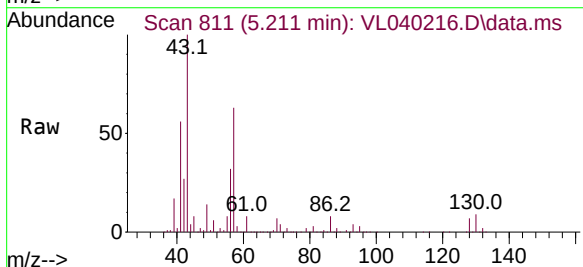
Ion Ratio Lower Upper

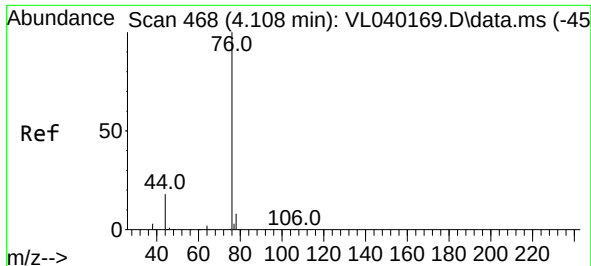
57 100

41 92.2 74.3 111.5

43 238.8 193.0 289.4

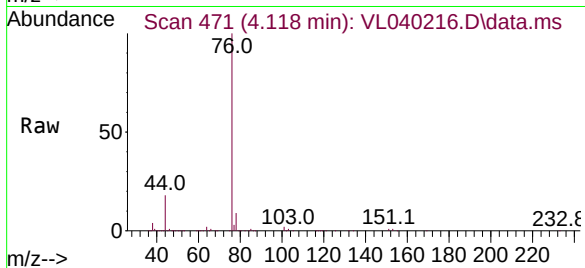
56 53.6 42.6 64.0





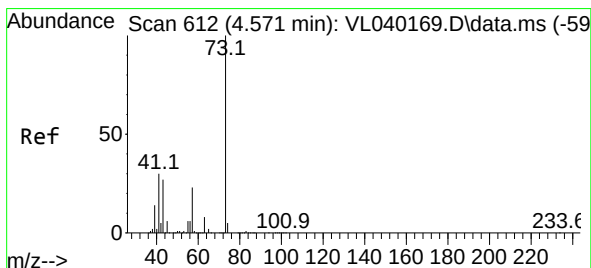
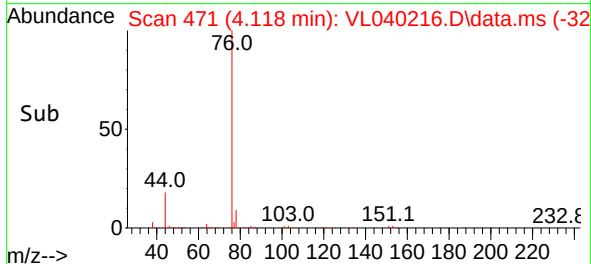
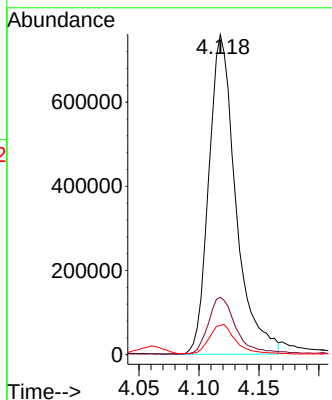
#27
Carbon Disulfide
Concen: 11.712 ppbv
RT: 4.118 min Scan# 411
Delta R.T. -0.013 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010



Tgt Ion: 76 Resp: 1186829

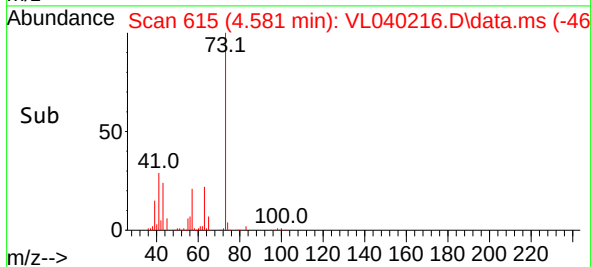
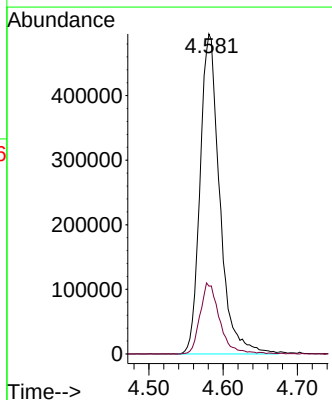
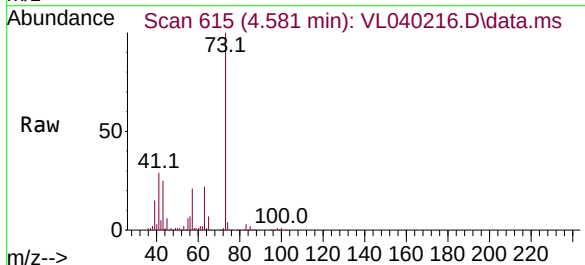
Ion	Ratio	Lower	Upper
76	100		
44	18.9	15.3	22.9
78	9.8	7.7	11.5

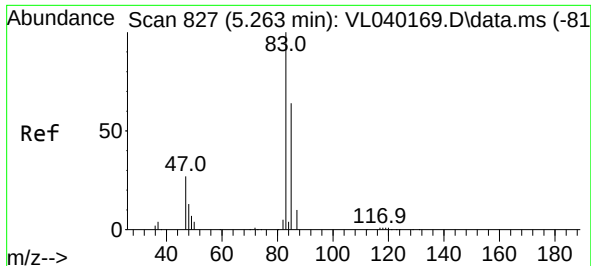


#28
Methyl tert-Butyl Ether
Concen: 10.630 ppbv
RT: 4.581 min Scan# 615
Delta R.T. -0.016 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion: 73 Resp: 909595

Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.8	28.2





#29

Chloroform

Concen: 10.154 ppbv

RT: 5.272 min Scan# 81

Delta R.T. -0.016 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

Instrument :

MSVOA_L

ClientSampleId :

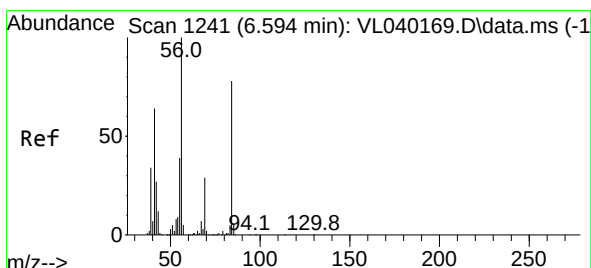
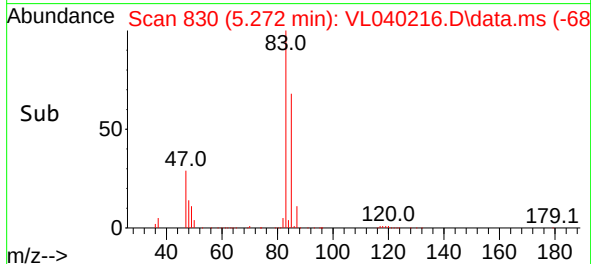
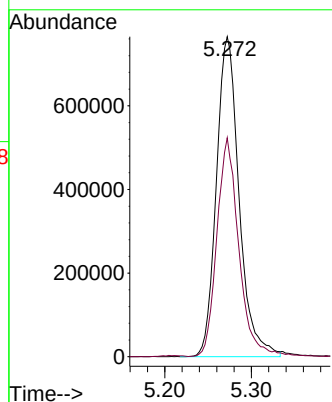
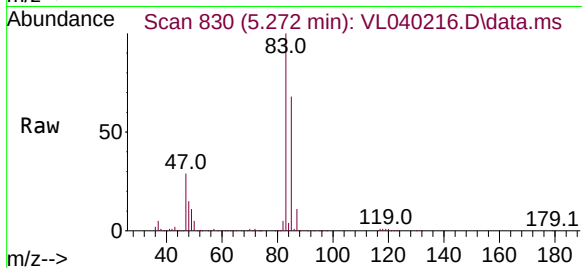
VSTDCCC010

Tgt Ion: 83 Resp: 1392381

Ion Ratio Lower Upper

83 100

85 68.1 51.5 77.3



#30

Cyclohexane

Concen: 10.895 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. -0.023 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

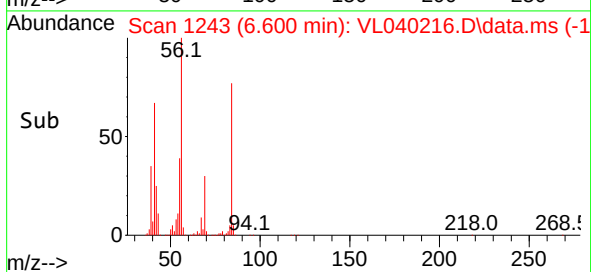
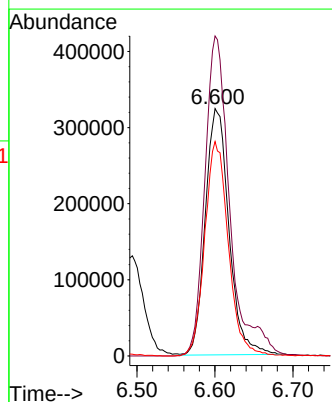
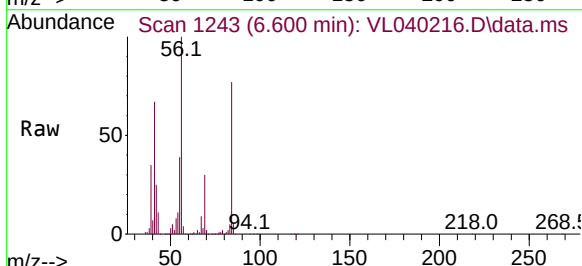
Tgt Ion: 84 Resp: 683206

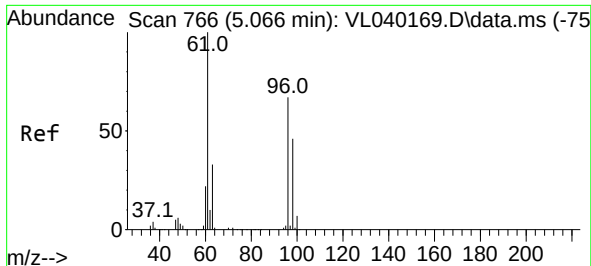
Ion Ratio Lower Upper

84 100

56 137.7 109.9 164.9

41 87.1 67.8 101.6

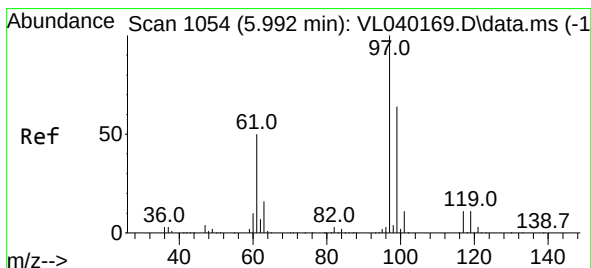
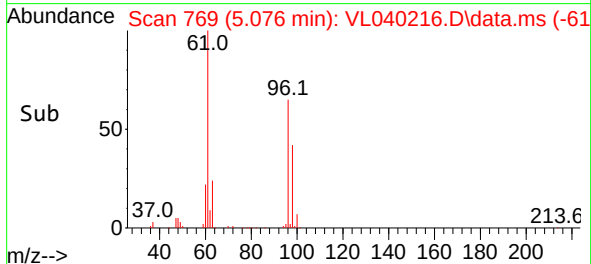
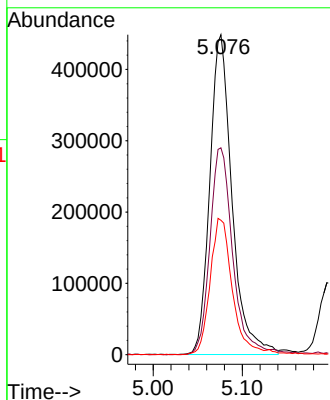
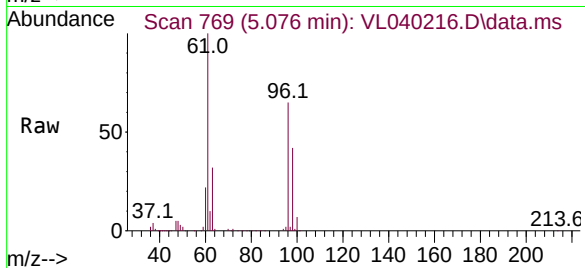




#31
 cis-1,2-Dichloroethene
 Concen: 10.247 ppbv
 RT: 5.076 min Scan# 766
 Delta R.T. -0.016 min
 Lab File: VL040216.D
 Acq: 23 Feb 2023 10:18

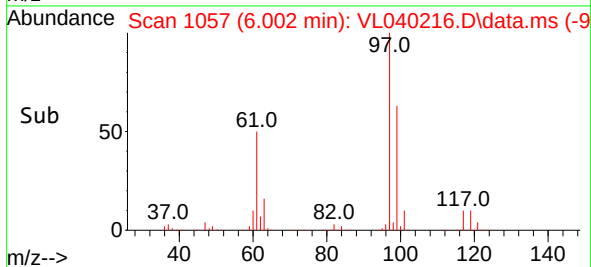
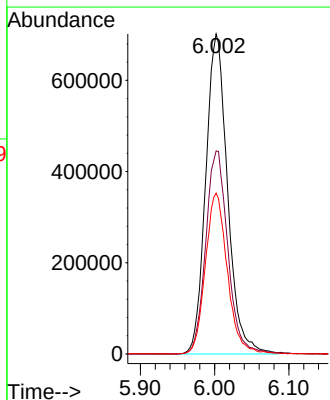
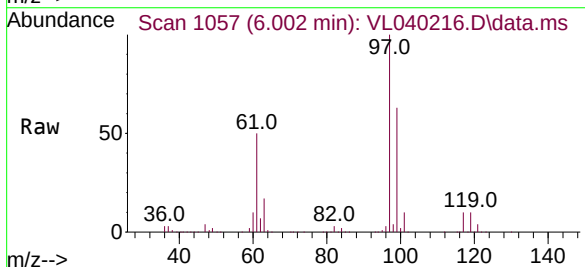
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

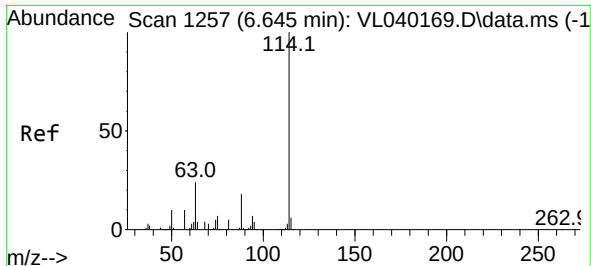
Tgt Ion: 61 Resp: 777542
 Ion Ratio Lower Upper
 61 100
 96 64.7 53.7 80.5
 98 42.0 36.4 54.6



#32
 1,1,1-Trichloroethane
 Concen: 11.126 ppbv
 RT: 6.002 min Scan# 1057
 Delta R.T. -0.019 min
 Lab File: VL040216.D
 Acq: 23 Feb 2023 10:18

Tgt Ion: 97 Resp: 1433456
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.5 77.3
 61 50.8 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.019 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

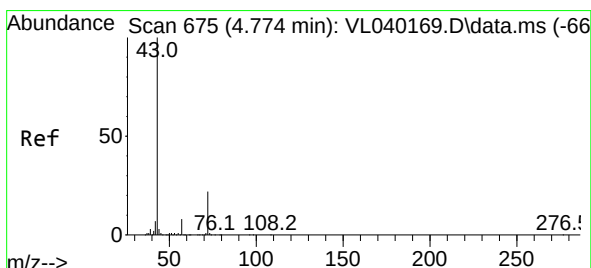
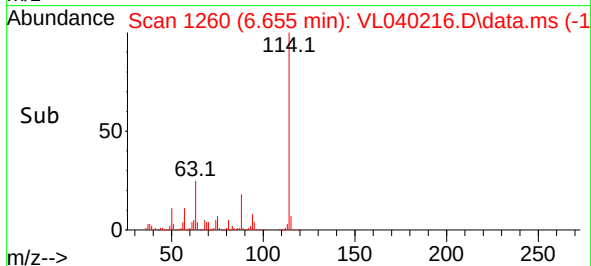
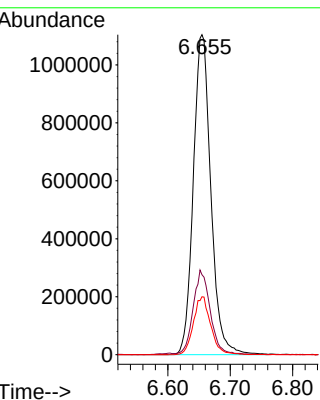
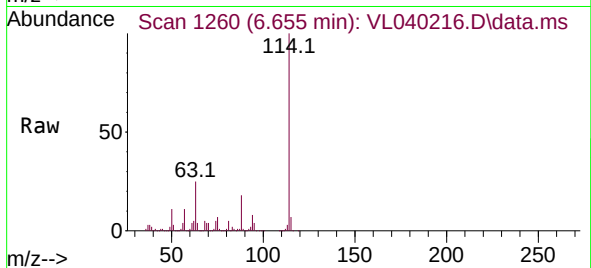
Tgt Ion:114 Resp: 2160254

Ion Ratio Lower Upper

114 100

63 26.2 20.4 30.6

88 17.9 14.3 21.5



#34

2-Butanone

Concen: 10.142 ppbv

RT: 4.780 min Scan# 677

Delta R.T. -0.016 min

Lab File: VL040216.D

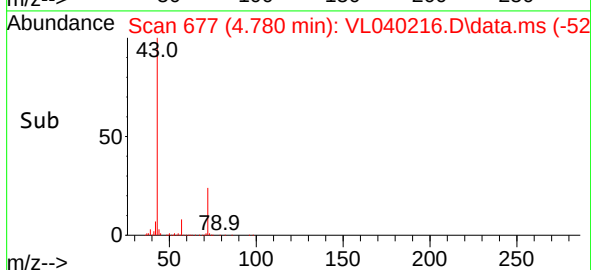
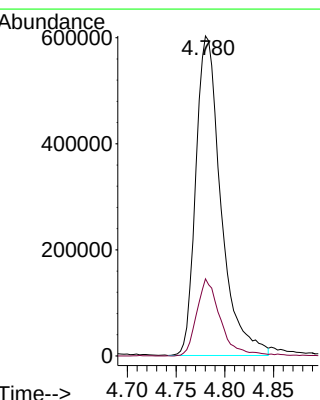
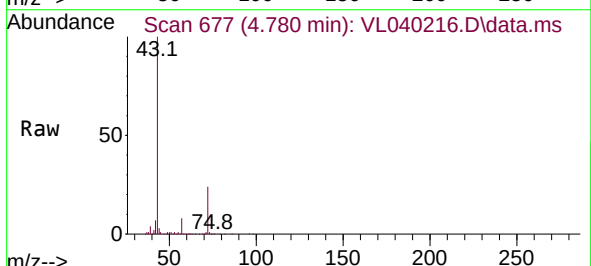
Acq: 23 Feb 2023 10:18

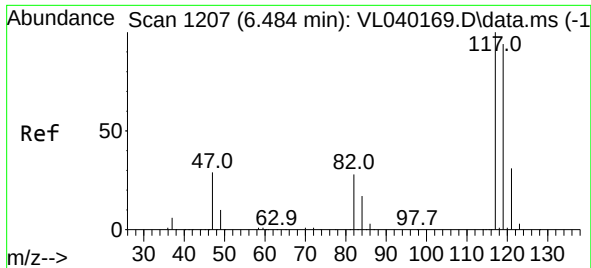
Tgt Ion: 43 Resp: 1080746

Ion Ratio Lower Upper

43 100

72 23.2 17.8 26.8

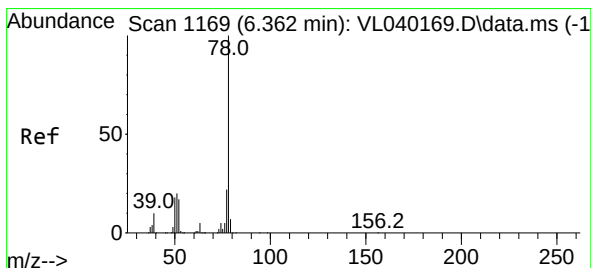
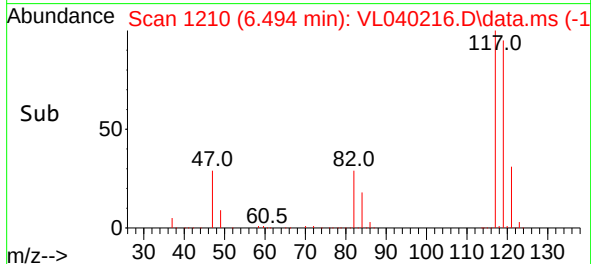
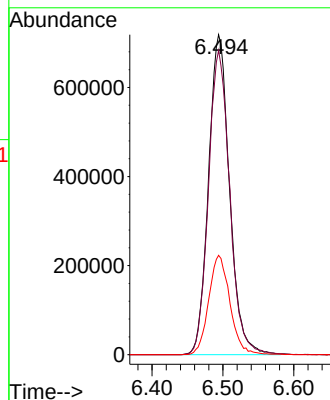
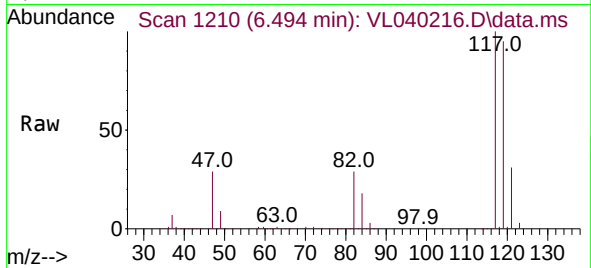




#35
Carbon Tetrachloride
Concen: 11.615 ppbv
RT: 6.494 min Scan# 1172
Delta R.T. -0.019 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

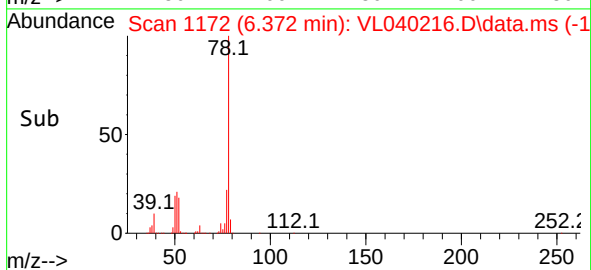
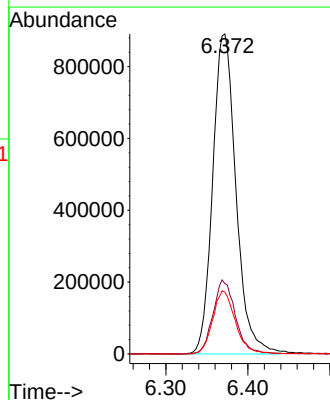
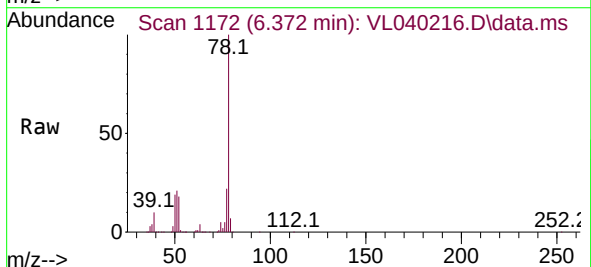
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

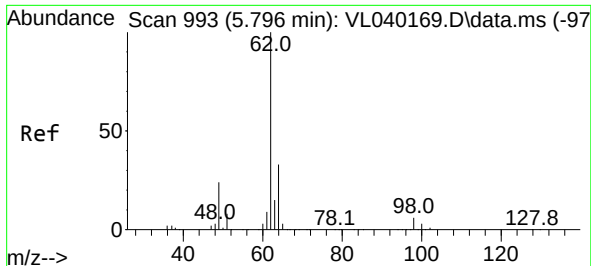
Tgt Ion:117 Resp: 1483298
Ion Ratio Lower Upper
117 100
119 95.1 75.0 112.6
121 31.0 25.0 37.4



#36
Benzene
Concen: 10.437 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.016 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion: 78 Resp: 1754616
Ion Ratio Lower Upper
78 100
77 22.0 17.5 26.3
50 19.4 14.6 22.0





#37

1,2-Dichloroethane

Concen: 10.530 ppbv

RT: 5.806 min Scan# 993

Delta R.T. -0.016 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

Instrument :

MSVOA_L

ClientSampleId :

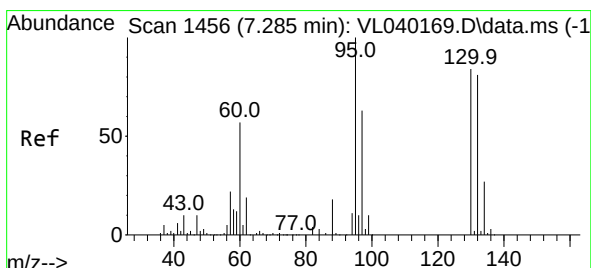
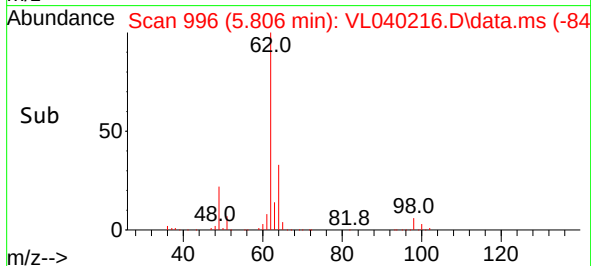
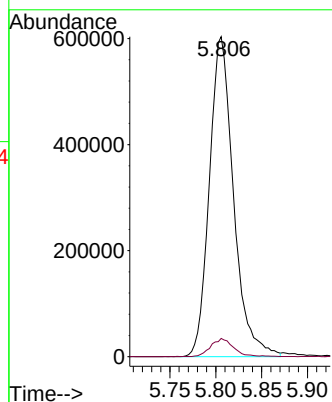
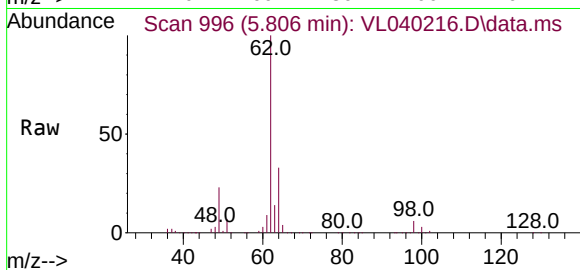
VSTDCCC010

Tgt Ion: 62 Resp: 1107209

Ion Ratio Lower Upper

62 100

98 5.6 4.7 7.1



#38

Trichloroethene

Concen: 11.241 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. -0.023 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

Tgt Ion:130 Resp: 1041351

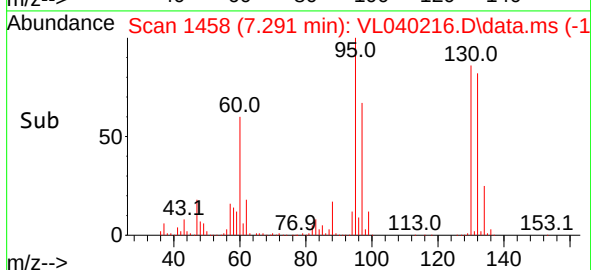
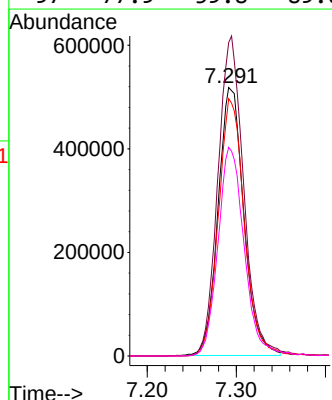
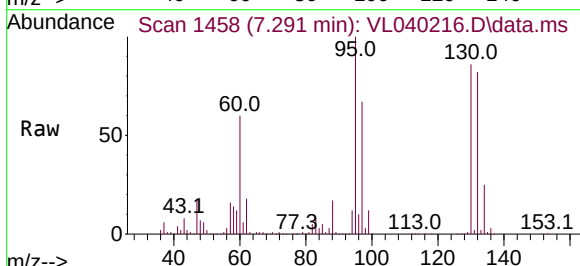
Ion Ratio Lower Upper

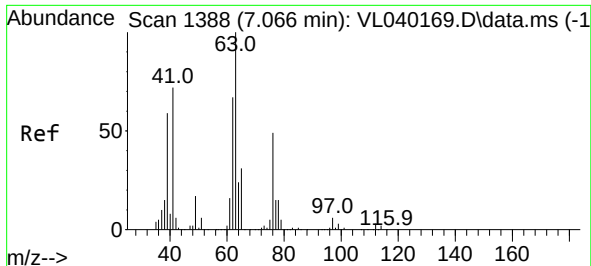
130 100

95 117.0 94.7 142.1

132 96.0 76.4 114.6

97 77.9 59.8 89.6





#39

1,2-Dichloropropane

Concen: 10.245 ppbv

RT: 7.076 min Scan# 11

Delta R.T. -0.019 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

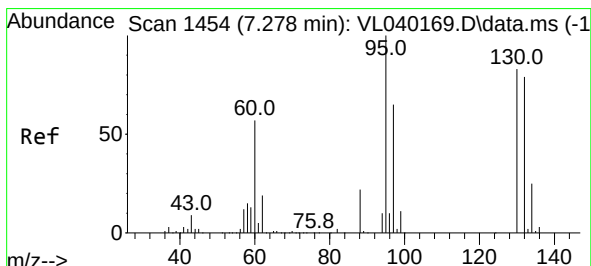
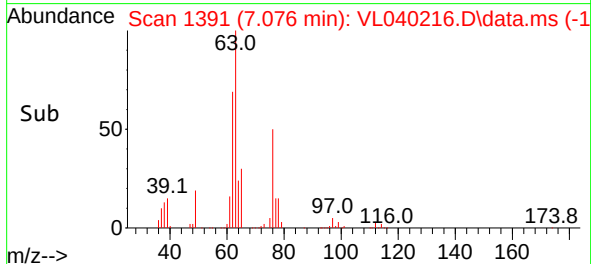
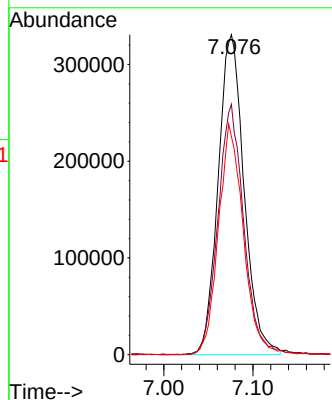
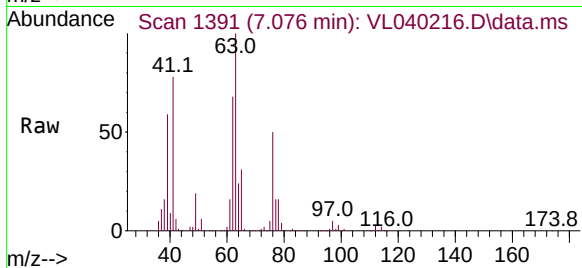
Tgt Ion: 63 Resp: 670039

Ion Ratio Lower Upper

63 100

41 78.2 57.6 86.4

62 68.2 54.0 81.0



#40

1,4-Dioxane

Concen: 9.446 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. -0.019 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

Tgt Ion: 88 Resp: 247111

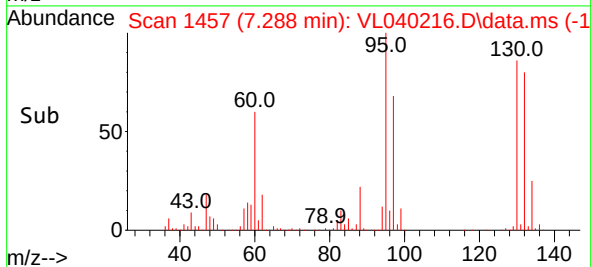
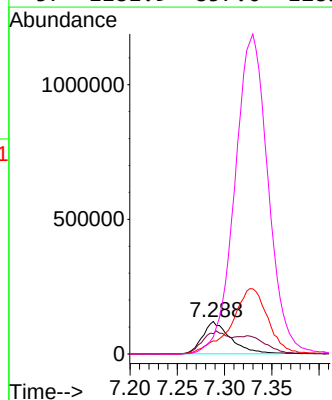
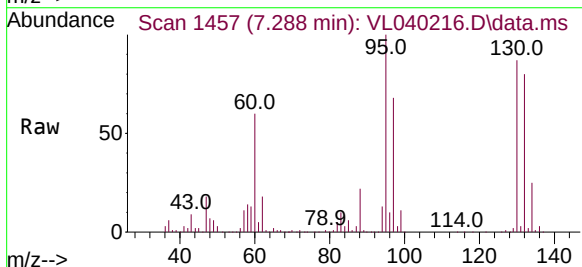
Ion Ratio Lower Upper

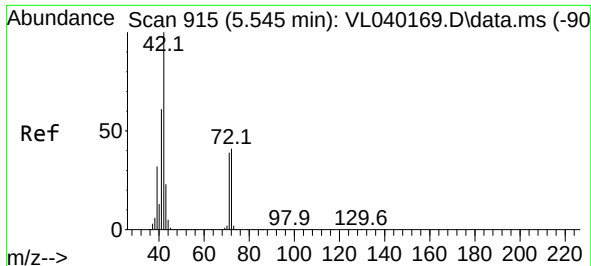
88 100

58 127.7 97.4 146.0

43 266.4 193.5 290.3

57 1181.9 857.0 1285.6





#41

Tetrahydrofuran

Concen: 10.646 ppbv

RT: 5.555 min Scan# 915

Delta R.T. -0.016 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

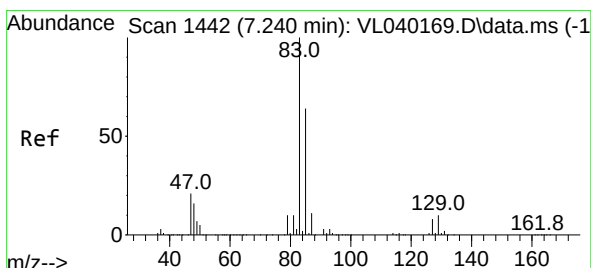
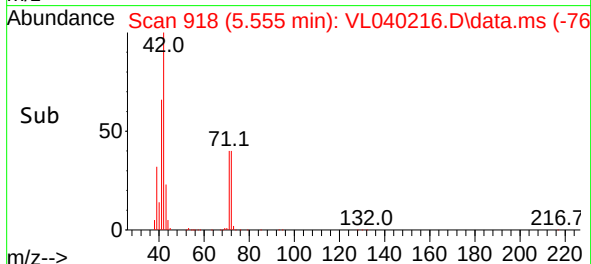
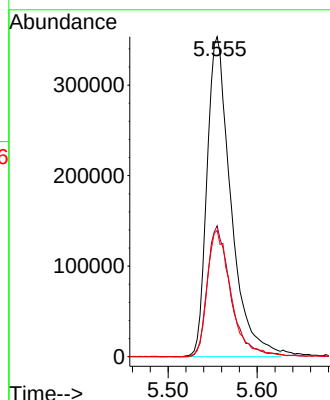
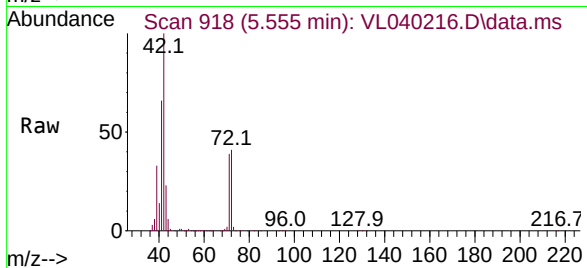
Tgt Ion: 42 Resp: 657422

Ion Ratio Lower Upper

42 100

72 40.5 33.0 49.4

71 39.9 31.4 47.2



#42

Bromodichloromethane

Concen: 10.961 ppbv

RT: 7.253 min Scan# 1446

Delta R.T. -0.016 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

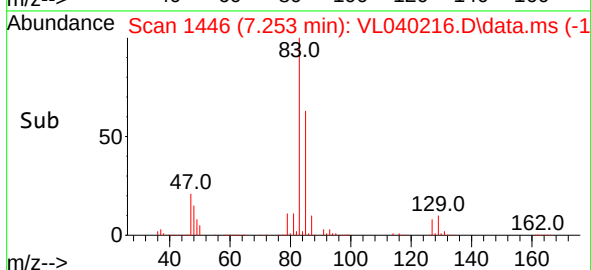
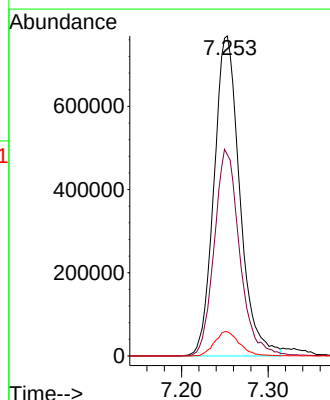
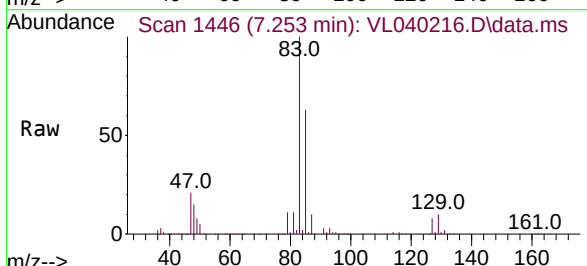
Tgt Ion: 83 Resp: 1590708

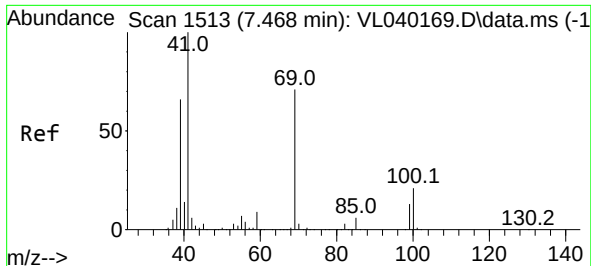
Ion Ratio Lower Upper

83 100

85 62.9 50.9 76.3

127 7.6 6.2 9.2





#43

Methyl Methacrylate

Concen: 11.146 ppbv

RT: 7.478 min Scan# 1

Delta R.T. -0.016 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

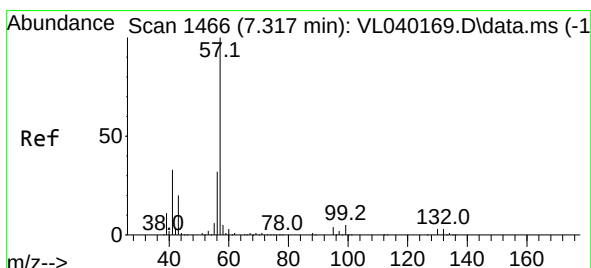
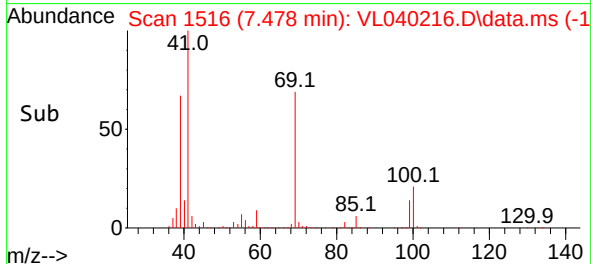
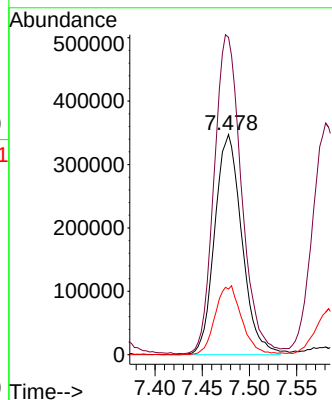
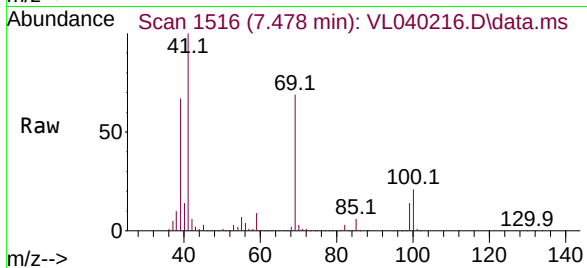
Tgt Ion: 69 Resp: 693354

Ion Ratio Lower Upper

69 100

41 146.4 116.6 174.8

100 31.0 25.6 38.4



#44

2,2,4-Trimethylpentane

Concen: 10.392 ppbv

RT: 7.330 min Scan# 1470

Delta R.T. -0.016 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

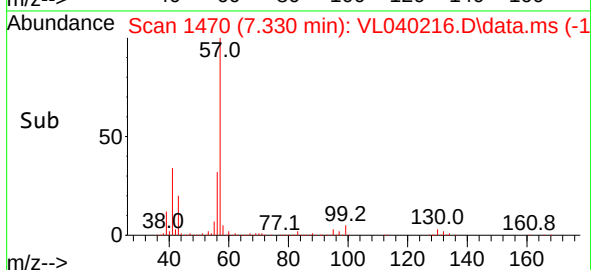
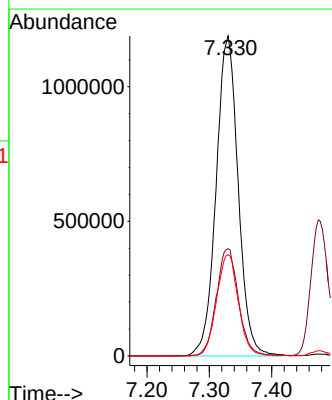
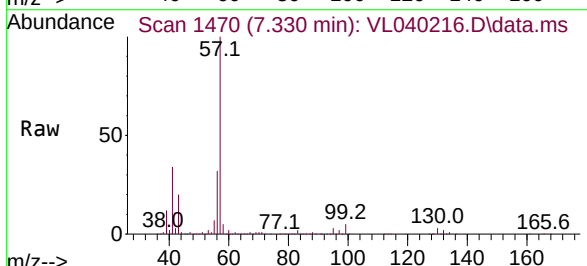
Tgt Ion: 57 Resp: 2916396

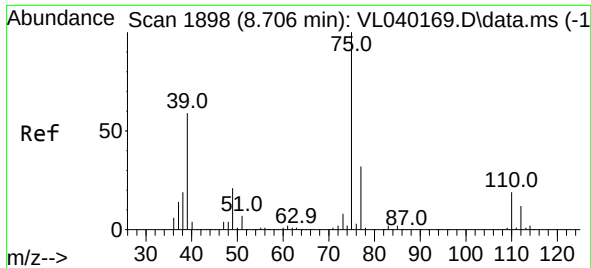
Ion Ratio Lower Upper

57 100

41 33.8 26.2 39.4

56 31.4 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 12.006 ppbv

RT: 8.716 min Scan# 1898

Delta R.T. -0.019 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

Instrument :

MSVOA_L

ClientSampleId :

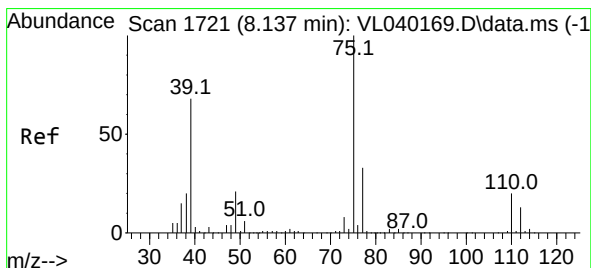
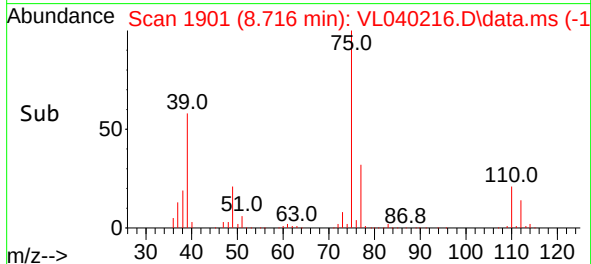
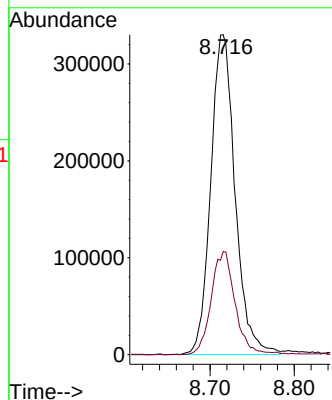
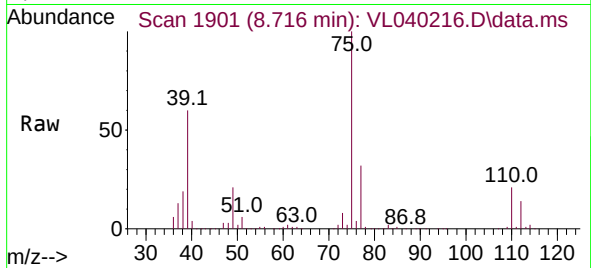
VSTDCCC010

Tgt Ion: 75 Resp: 662506

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5



#46

cis-1,3-Dichloropropene

Concen: 11.701 ppbv

RT: 8.147 min Scan# 1724

Delta R.T. -0.016 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

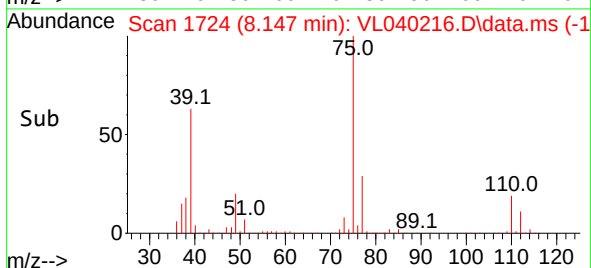
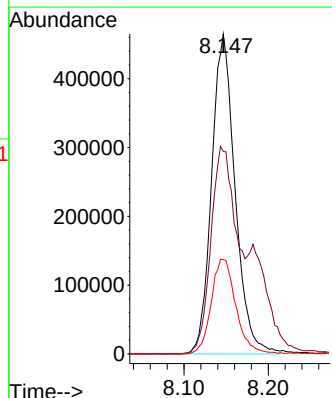
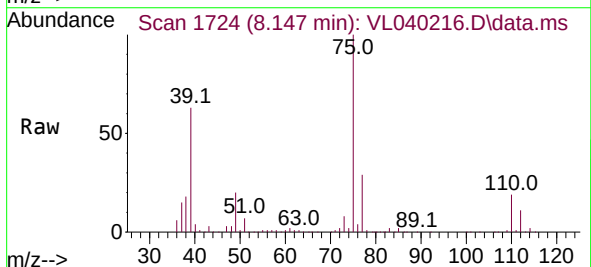
Tgt Ion: 75 Resp: 899490

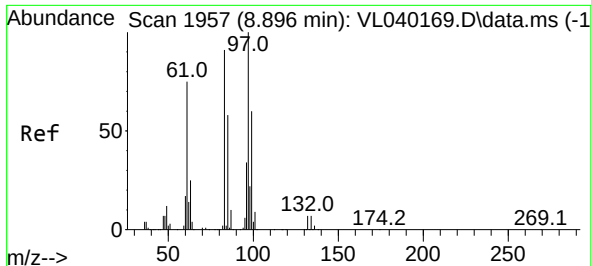
Ion Ratio Lower Upper

75 100

39 63.3 54.2 81.2

77 29.4 26.0 39.0

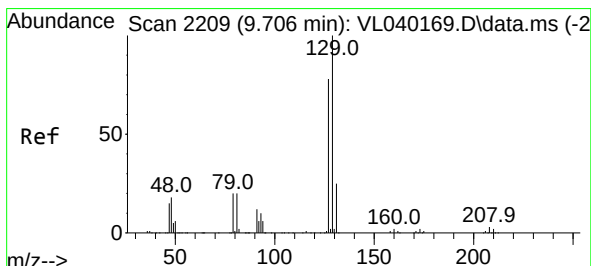
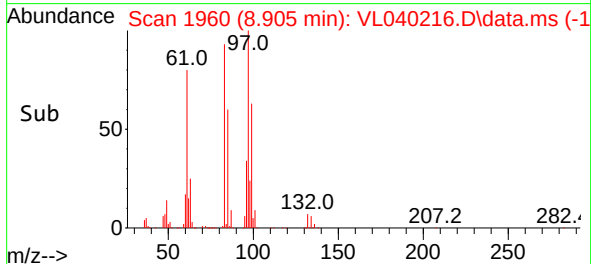
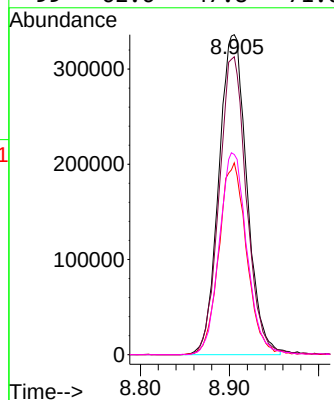
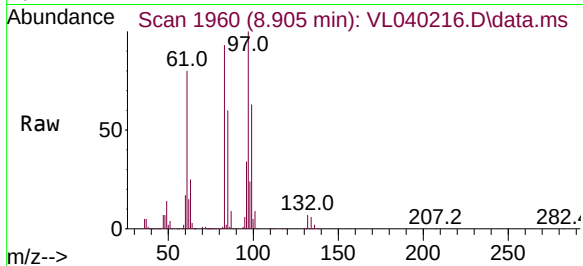




#47
1,1,2-Trichloroethane
Concen: 10.407 ppbv
RT: 8.905 min Scan# 1957
Delta R.T. -0.019 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

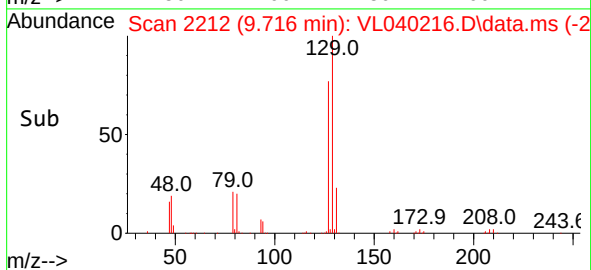
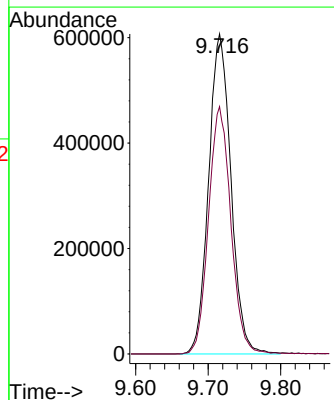
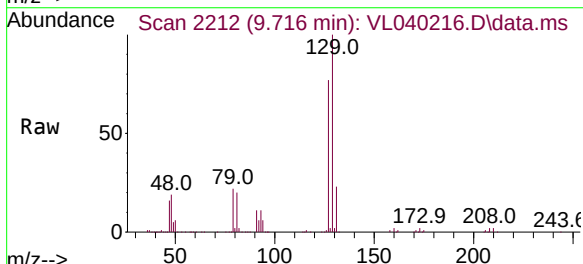
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

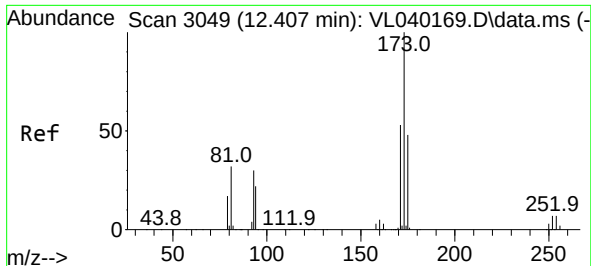
Tgt Ion: 97 Resp: 736123
Ion Ratio Lower Upper
97 100
83 93.1 72.8 109.2
85 59.9 46.6 69.8
99 62.6 47.8 71.6



#48
Dibromochloromethane
Concen: 11.470 ppbv
RT: 9.716 min Scan# 2212
Delta R.T. -0.019 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion: 129 Resp: 1297726
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.2

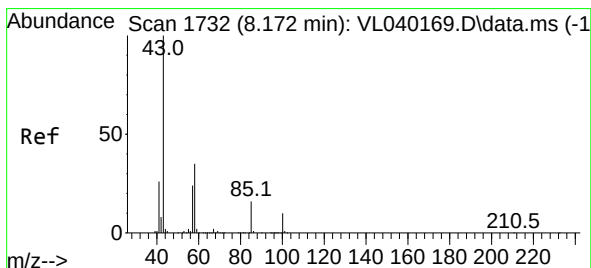
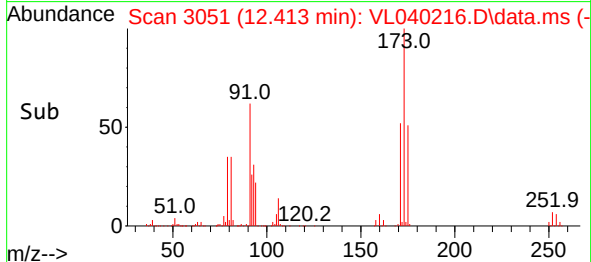
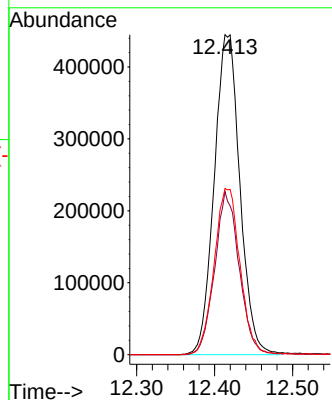
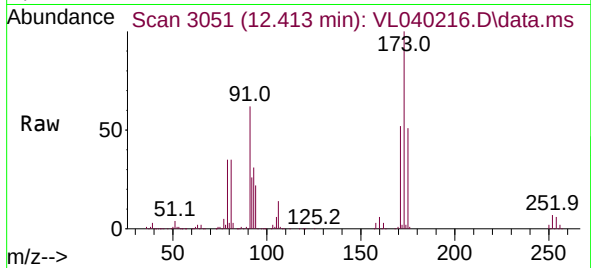




#49
Bromoform
Concen: 11.532 ppbv
RT: 12.413 min Scan# 3049
Delta R.T. -0.023 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

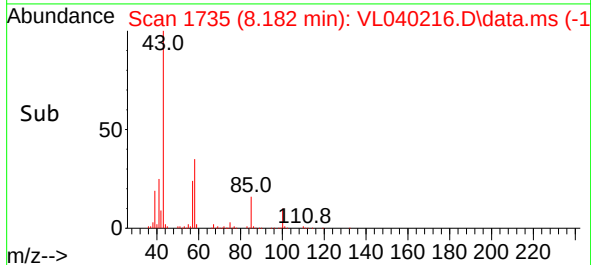
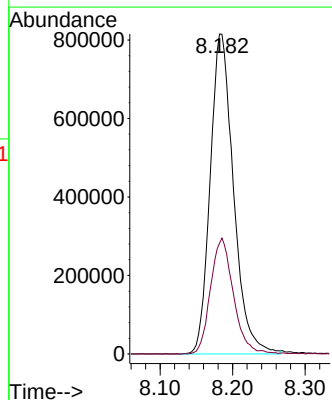
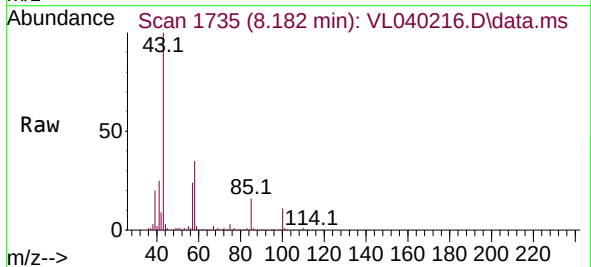
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

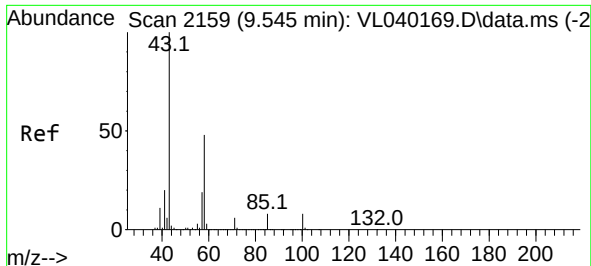
Tgt Ion:173 Resp: 1018355
Ion Ratio Lower Upper
173 100
175 48.8 39.4 59.0
171 52.5 41.8 62.6



#50
4-Methyl-2-Pentanone
Concen: 11.016 ppbv
RT: 8.182 min Scan# 1735
Delta R.T. -0.019 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion: 43 Resp: 1822687
Ion Ratio Lower Upper
43 100
58 35.7 29.2 43.8

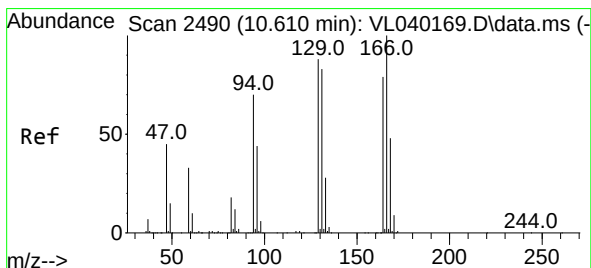
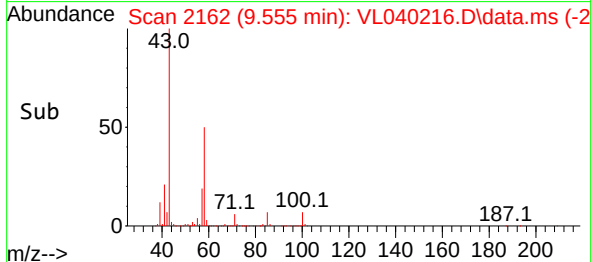
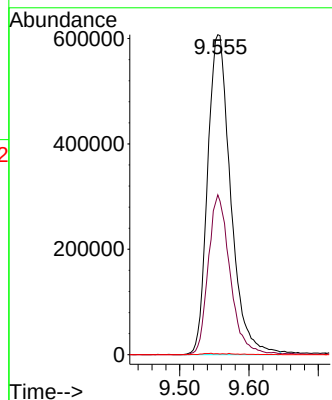
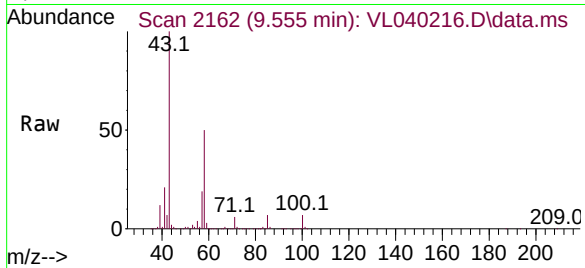




#51
2-Hexanone
Concen: 11.007 ppbv
RT: 9.555 min Scan# 2159
Delta R.T. -0.019 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

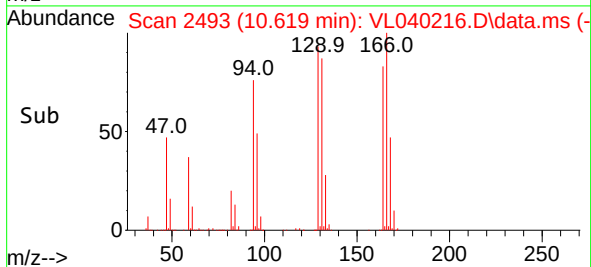
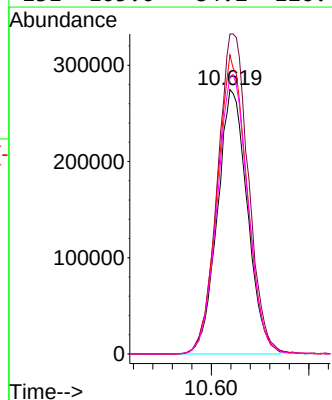
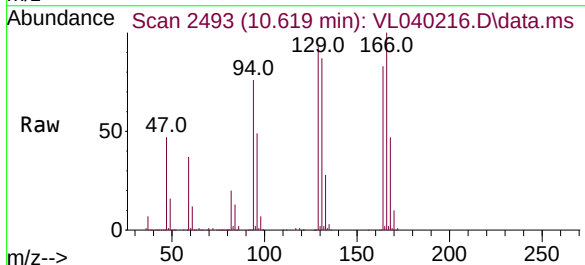
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

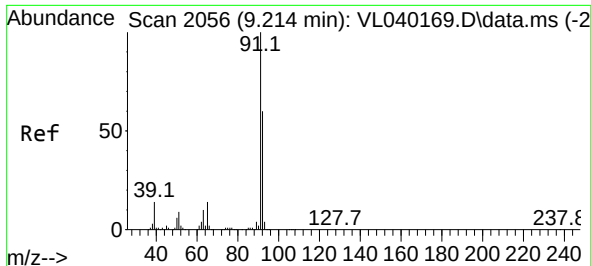
Tgt Ion: 43 Resp: 1400586
Ion Ratio Lower Upper
43 100
58 47.7 39.1 58.7
98 0.6 0.2 0.4#



#52
Tetrachloroethene
Concen: 11.197 ppbv
RT: 10.619 min Scan# 2493
Delta R.T. -0.023 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion:164 Resp: 587824
Ion Ratio Lower Upper
164 100
166 120.9 101.5 152.3
129 113.0 89.0 133.4
131 105.0 84.2 126.4

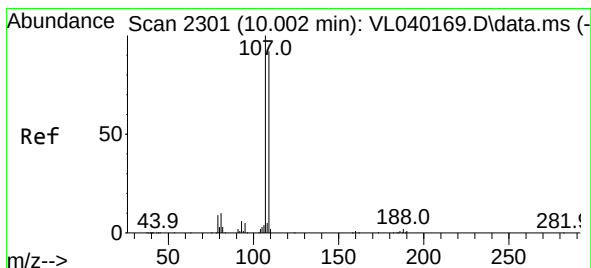
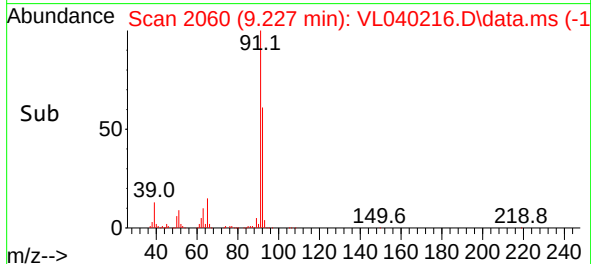
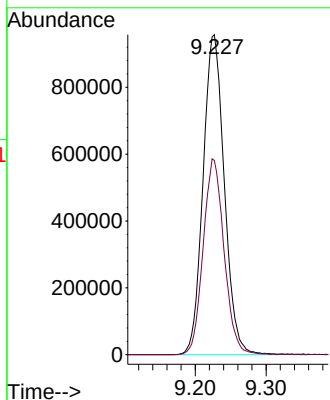
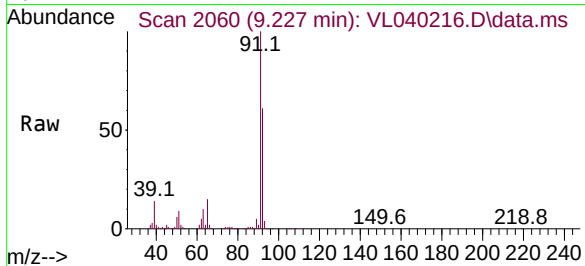




#53
Toluene
Concen: 11.062 ppbv
RT: 9.227 min Scan# 2056
Delta R.T. -0.019 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

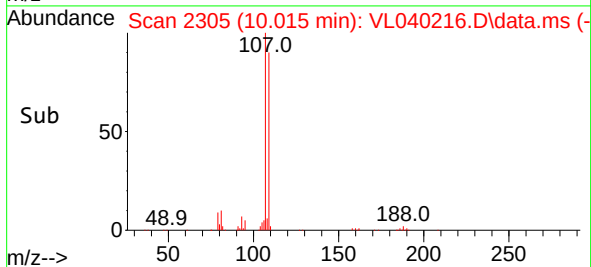
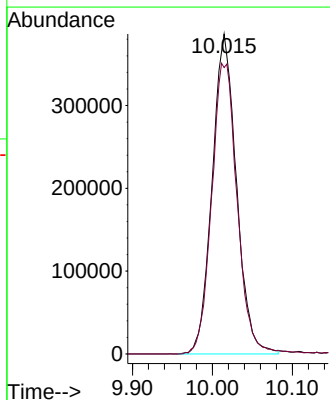
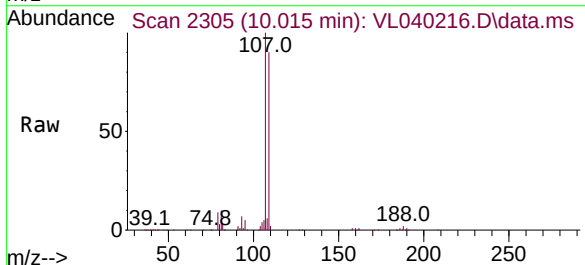
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

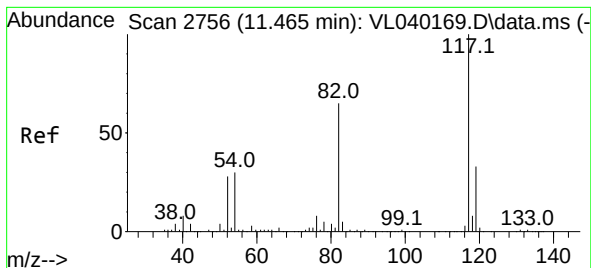
Tgt Ion: 91 Resp: 1991932
Ion Ratio Lower Upper
91 100
92 60.4 48.9 73.3



#54
1,2-Dibromoethane
Concen: 11.065 ppbv
RT: 10.015 min Scan# 2305
Delta R.T. -0.019 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion: 107 Resp: 814366
Ion Ratio Lower Upper
107 100
109 89.5 73.8 110.8

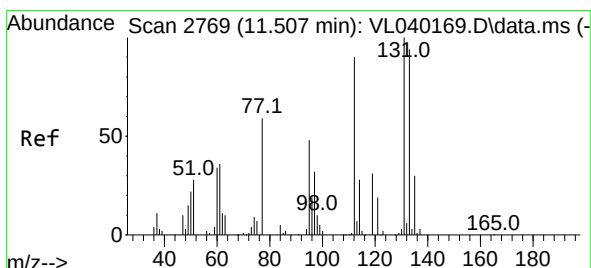
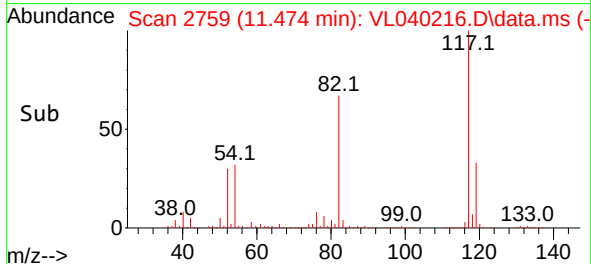
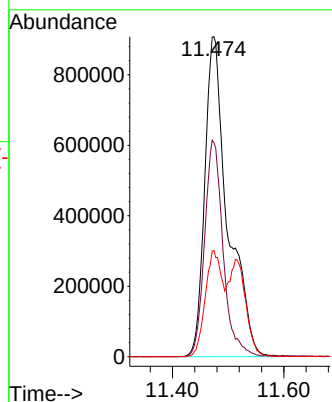
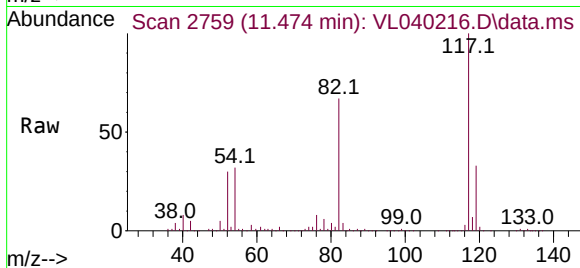




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 2756
Delta R.T. -0.019 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

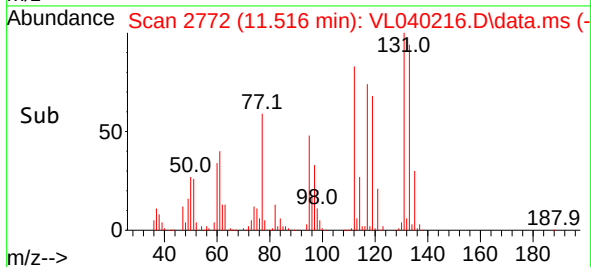
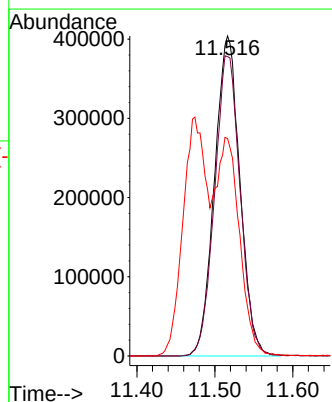
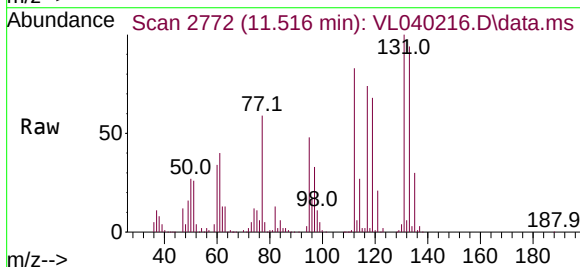
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

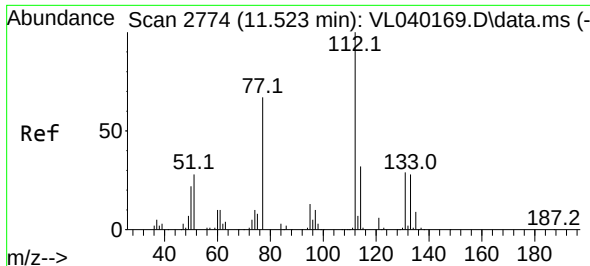
Tgt Ion:117 Resp: 2607431
Ion Ratio Lower Upper
117 100
82 54.5 53.3 79.9
119 24.3 24.6 37.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.375 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. -0.023 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion:131 Resp: 916603
Ion Ratio Lower Upper
131 100
133 94.6 76.2 114.2
119 65.6 45.4 68.0

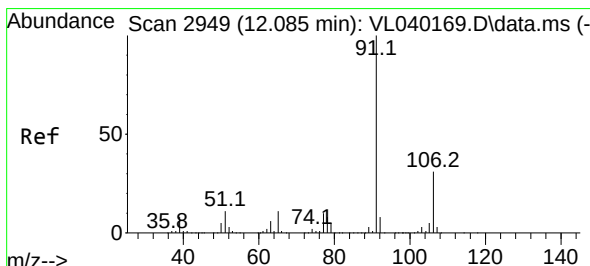
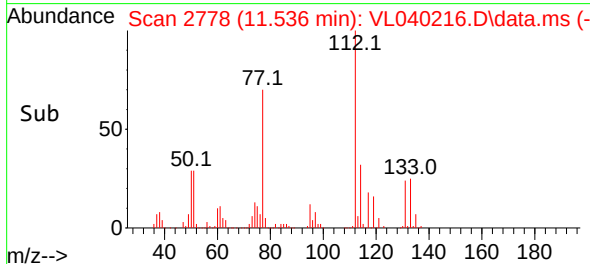
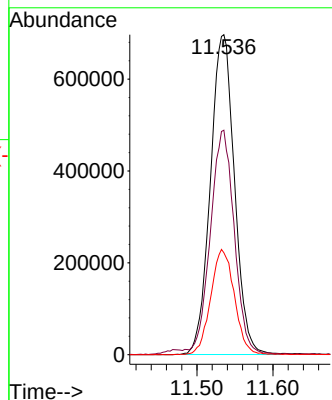
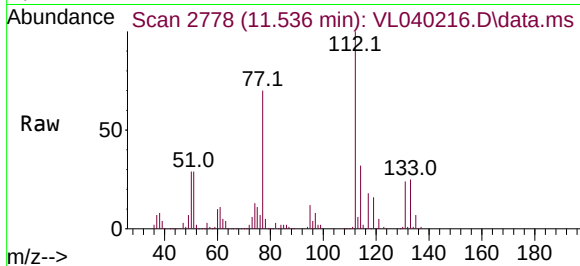




#57
Chlorobenzene
Concen: 8.052 ppbv
RT: 11.536 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

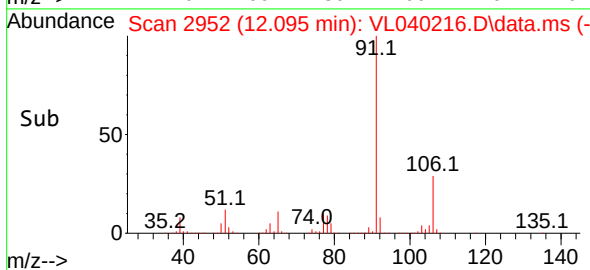
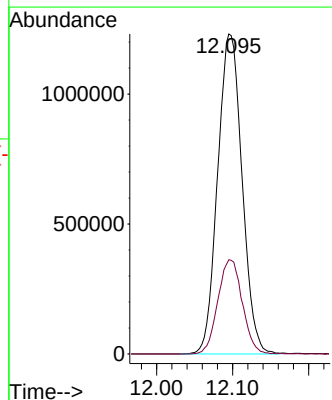
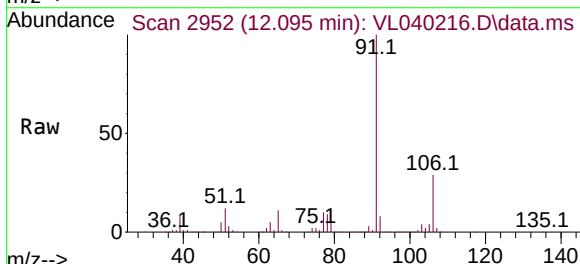
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

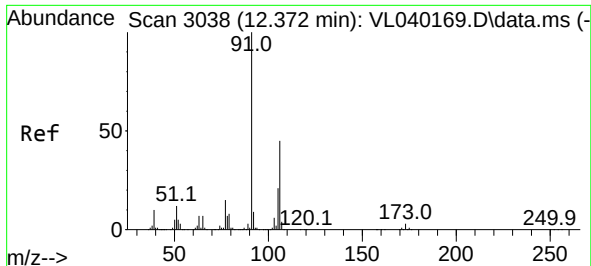
Tgt Ion:112 Resp: 1533831
Ion Ratio Lower Upper
112 100
77 70.0 55.0 82.4
114 31.8 29.0 35.4



#58
Ethyl Benzene
Concen: 8.659 ppbv
RT: 12.095 min Scan# 2952
Delta R.T. -0.023 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion: 91 Resp: 2743362
Ion Ratio Lower Upper
91 100
106 29.5 24.9 37.3





#59

m/p-Xylene

Concen: 9.319 ppbv

RT: 12.381 min Scan# 3038

Delta R.T. -0.016 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

Instrument :

MSVOA_L

ClientSampleId :

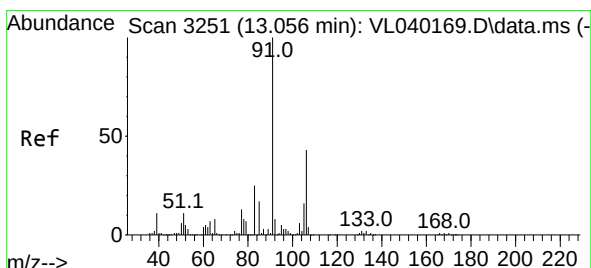
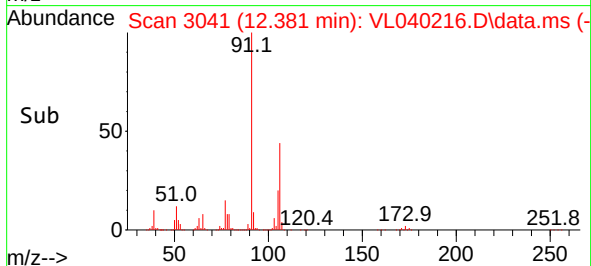
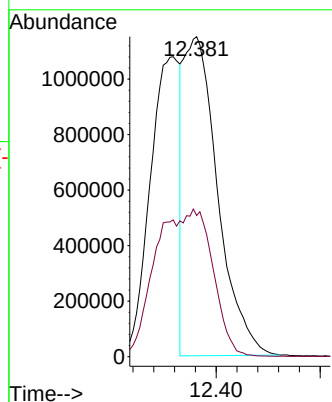
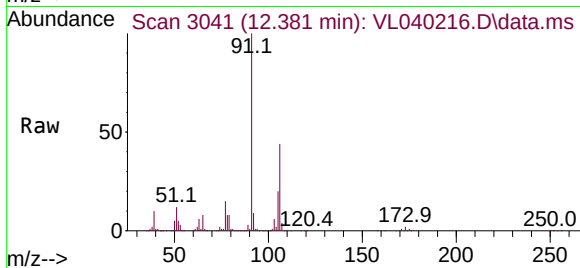
VSTDCCC010

Tgt Ion: 91 Resp: 2614777

Ion Ratio Lower Upper

91 100

106 77.6 34.6 51.8#



#60

o-Xylene

Concen: 8.522 ppbv

RT: 13.066 min Scan# 3254

Delta R.T. -0.019 min

Lab File: VL040216.D

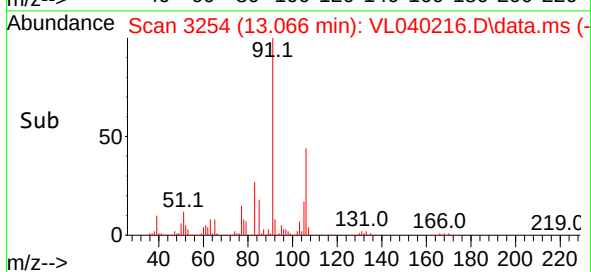
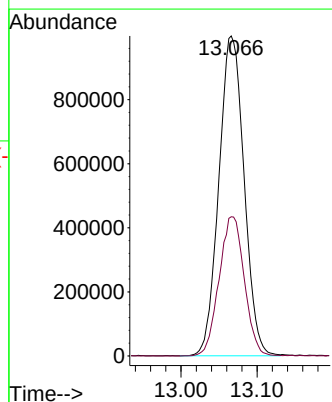
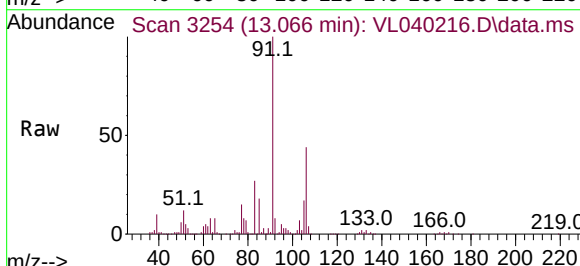
Acq: 23 Feb 2023 10:18

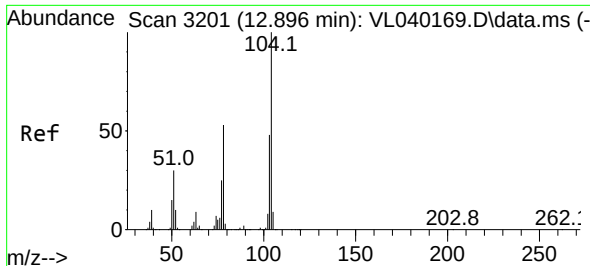
Tgt Ion: 91 Resp: 2300764

Ion Ratio Lower Upper

91 100

106 43.7 21.6 65.0

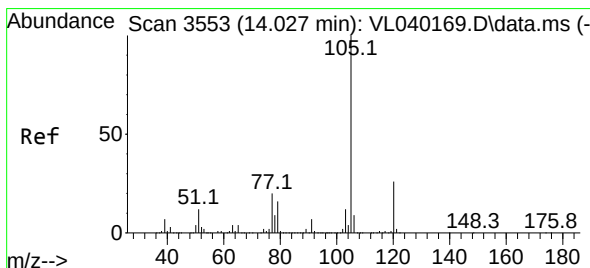
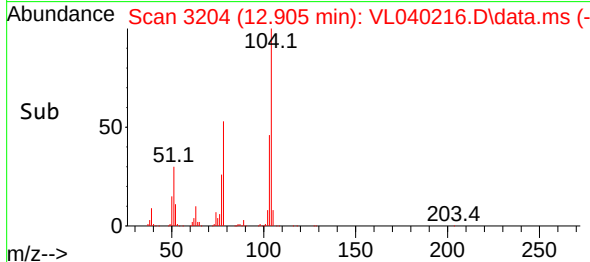
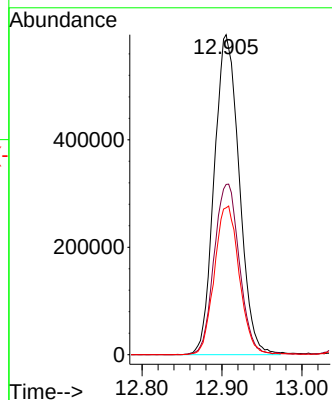
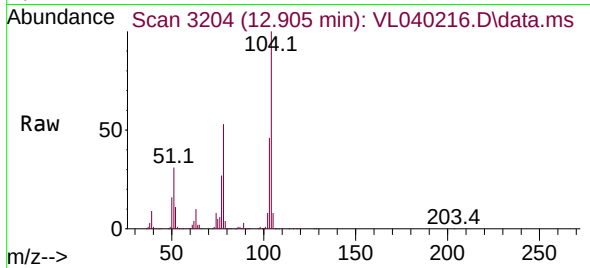




#61
Styrene
Concen: 9.119 ppbv
RT: 12.905 min Scan# 31
Delta R.T. -0.023 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

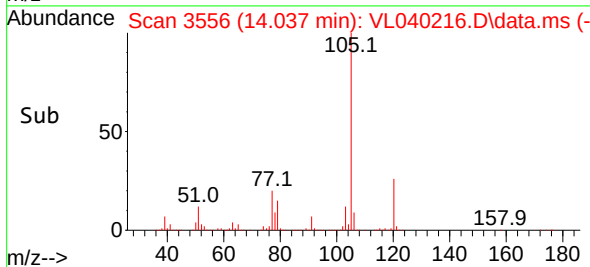
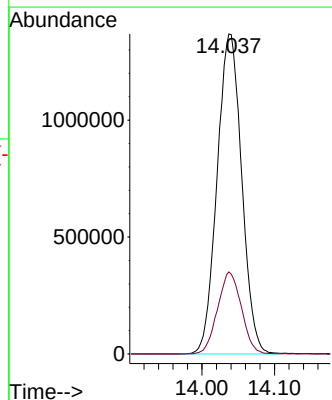
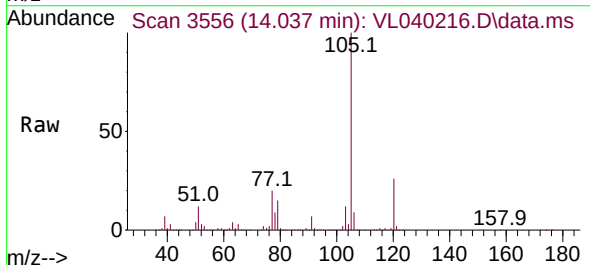
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

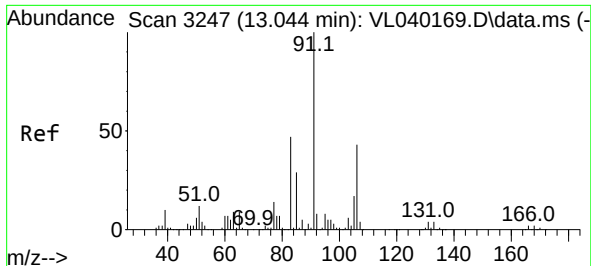
Tgt Ion:104 Resp: 1292647
Ion Ratio Lower Upper
104 100
78 54.3 42.3 63.5
103 46.6 37.5 56.3



#62
Isopropylbenzene
Concen: 8.322 ppbv
RT: 14.037 min Scan# 3556
Delta R.T. -0.023 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion:105 Resp: 3224975
Ion Ratio Lower Upper
105 100
120 24.9 20.3 30.5

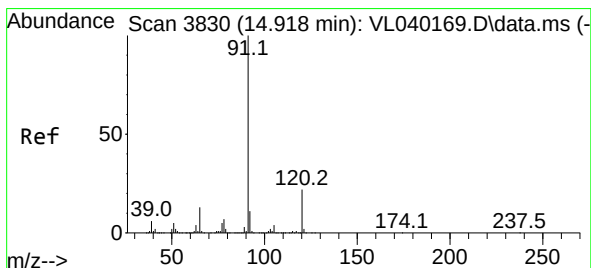
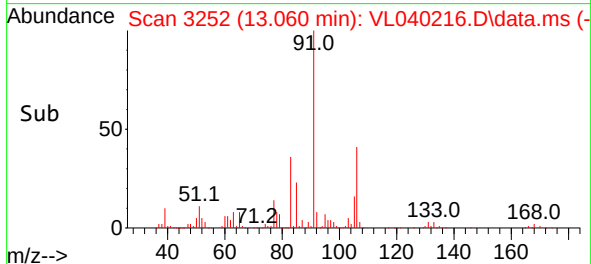
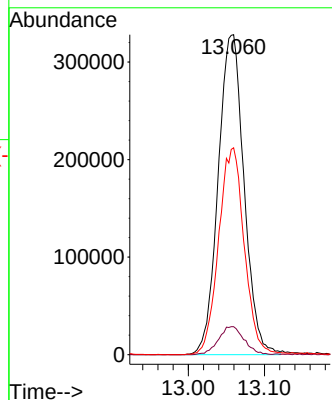
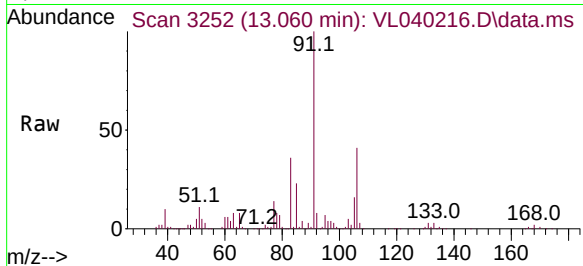




#63
1,1,2,2-Tetrachloroethane
Concen: 7.966 ppbv
RT: 13.060 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

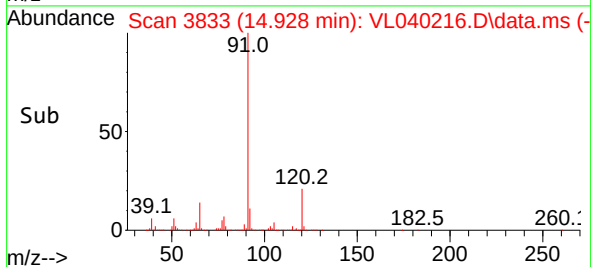
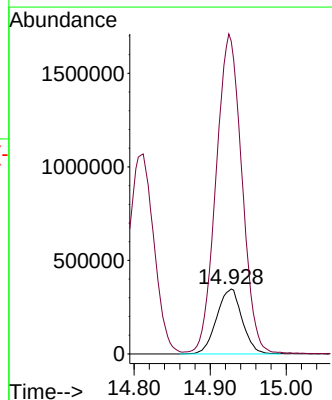
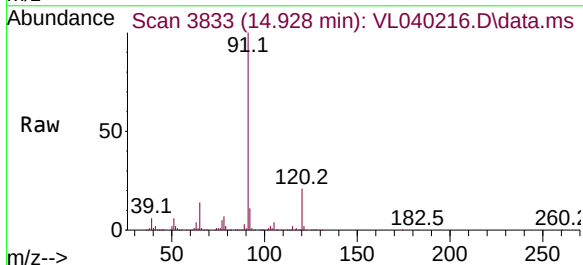
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

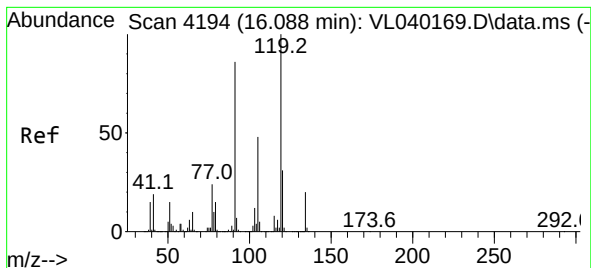
Tgt Ion: 83 Resp: 775080
Ion Ratio Lower Upper
83 100
131 8.9 4.4 13.2
85 64.6 33.0 99.0



#64
n-propylbenzene
Concen: 8.400 ppbv
RT: 14.928 min Scan# 3833
Delta R.T. -0.023 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion: 120 Resp: 805753
Ion Ratio Lower Upper
120 100
91 503.7 389.8 584.8

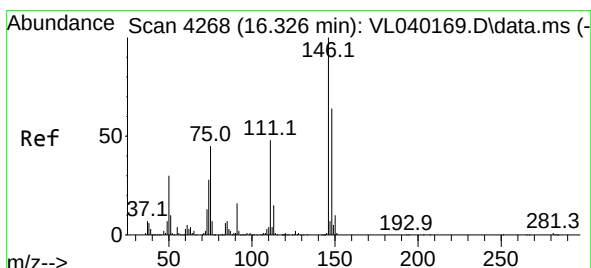
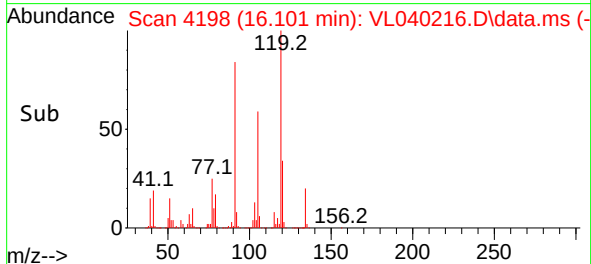
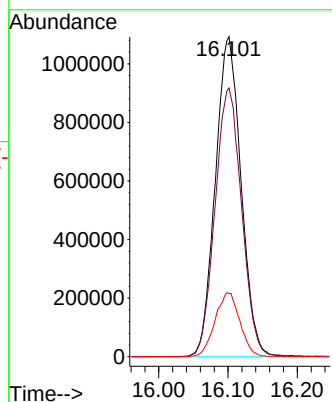
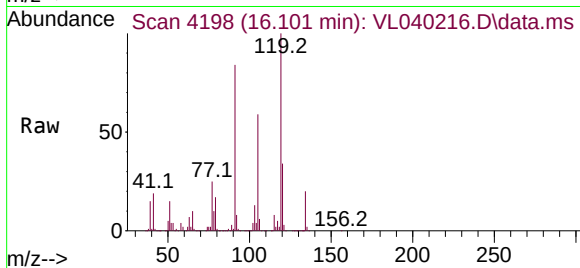




#65
tert-Butylbenzene
Concen: 8.357 ppbv
RT: 16.101 min Scan# 4194
Delta R.T. -0.019 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

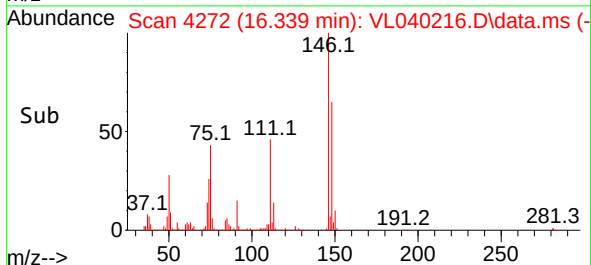
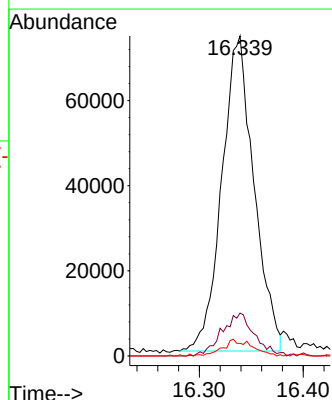
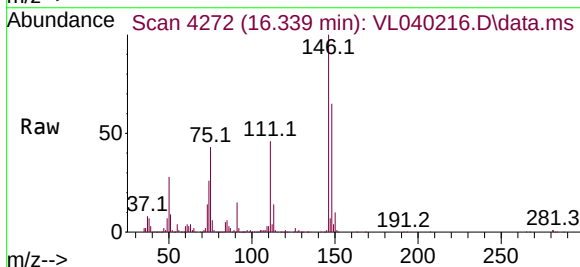
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

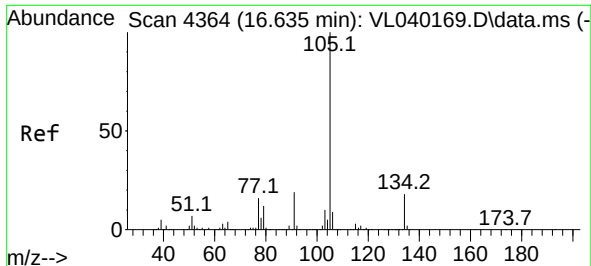
Tgt Ion:119 Resp: 2815127
Ion Ratio Lower Upper
119 100
91 87.1 68.6 102.8
134 19.4 15.9 23.9



#66
Benzyl Chloride
Concen: 7.095 ppbv
RT: 16.339 min Scan# 4272
Delta R.T. -0.019 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion: 91 Resp: 159053
Ion Ratio Lower Upper
91 100
126 14.0 13.1 19.7
128 4.9 4.1 6.1

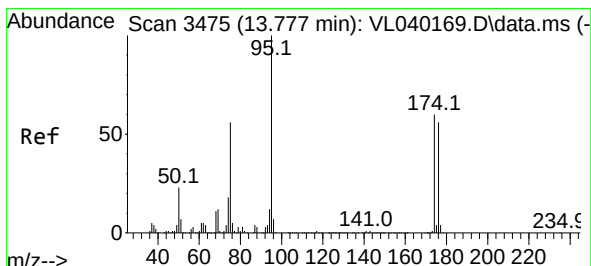
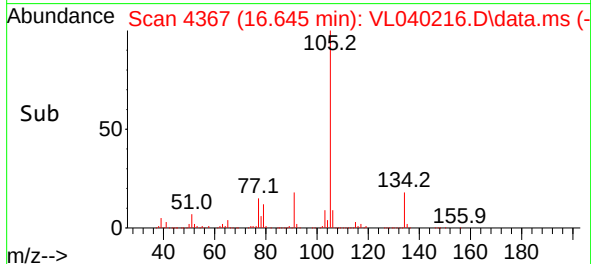
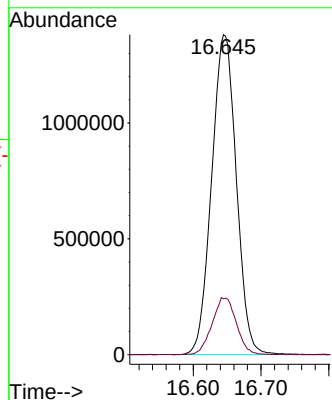
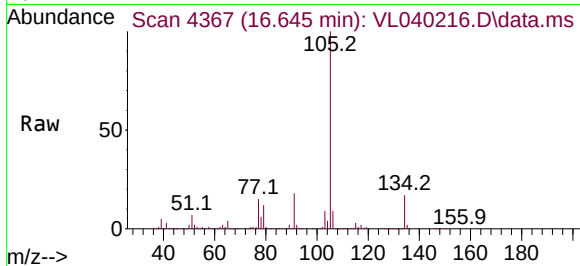




#67
 sec-Butylbenzene
 Concen: 7.214 ppbv
 RT: 16.645 min Scan# 41
 Delta R.T. -0.023 min
 Lab File: VL040216.D
 Acq: 23 Feb 2023 10:18

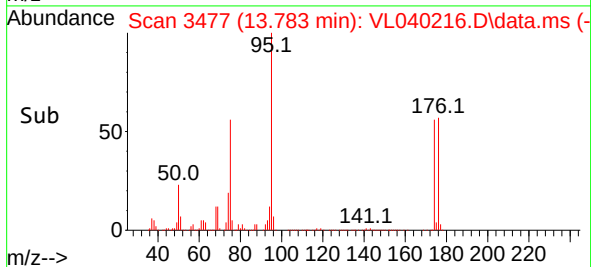
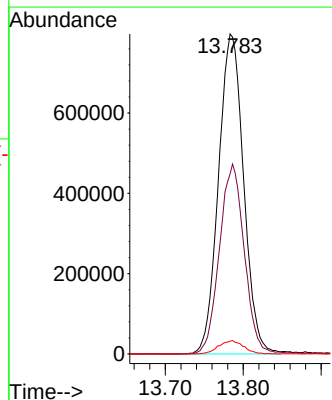
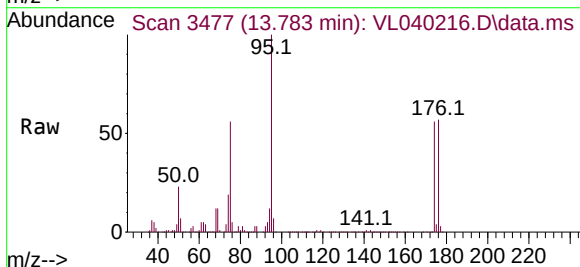
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

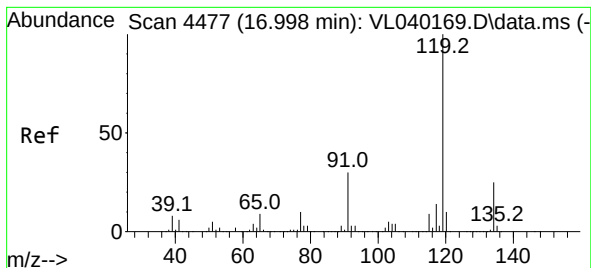
Tgt Ion:105 Resp: 3485063
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.1 21.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.319 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. -0.023 min
 Lab File: VL040216.D
 Acq: 23 Feb 2023 10:18

Tgt Ion: 95 Resp: 1783715
 Ion Ratio Lower Upper
 95 100
 174 59.1 48.2 72.2
 175 4.2 3.4 5.2





#69

p-Isopropyltoluene

Concen: 8.091 ppbv

RT: 17.005 min Scan# 4479

Delta R.T. -0.019 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

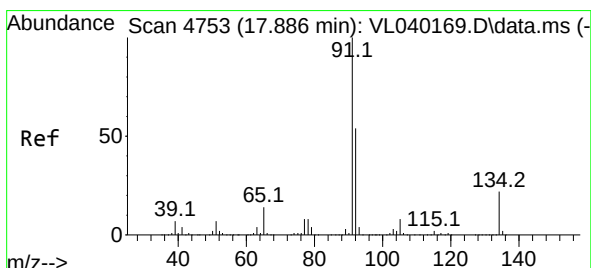
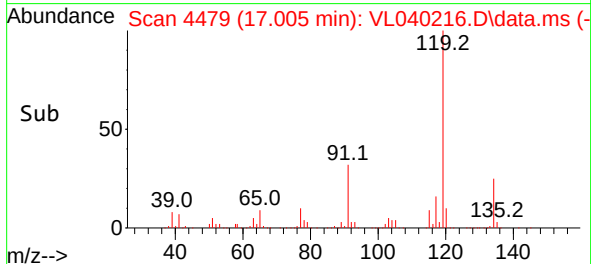
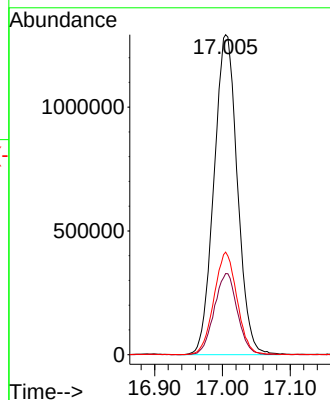
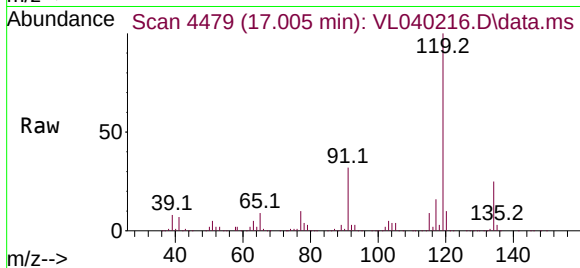
Tgt Ion:119 Resp: 3098714

Ion Ratio Lower Upper

119 100

134 25.1 20.2 30.2

91 31.5 24.7 37.1



#70

n-Butylbenzene

Concen: 8.120 ppbv

RT: 17.895 min Scan# 4756

Delta R.T. -0.023 min

Lab File: VL040216.D

Acq: 23 Feb 2023 10:18

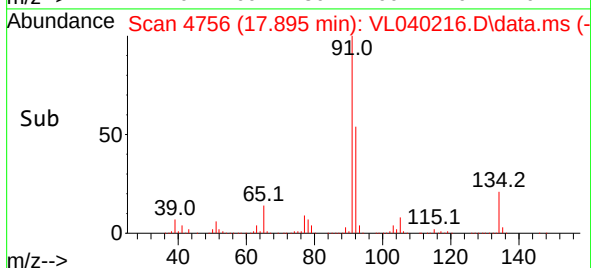
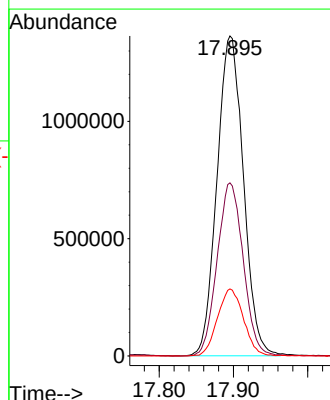
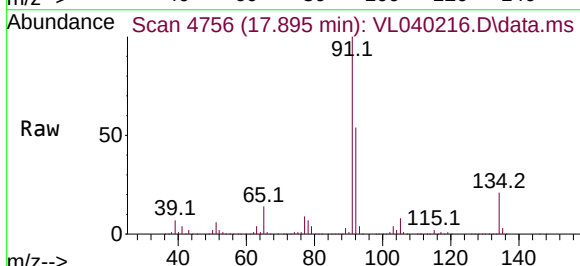
Tgt Ion: 91 Resp: 3375582

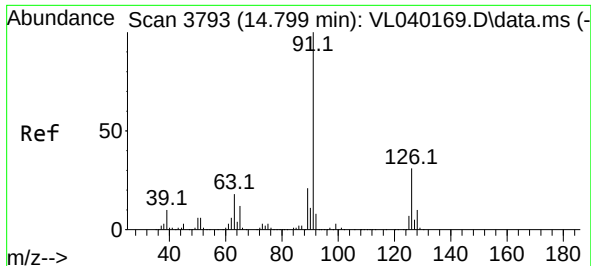
Ion Ratio Lower Upper

91 100

92 53.5 43.0 64.6

134 20.7 16.9 25.3

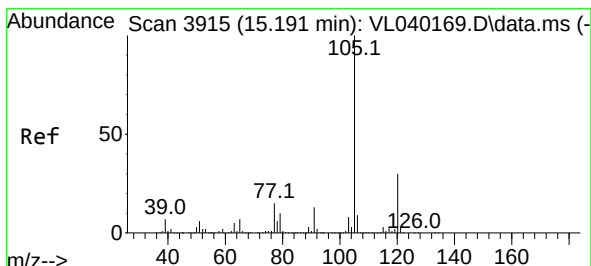
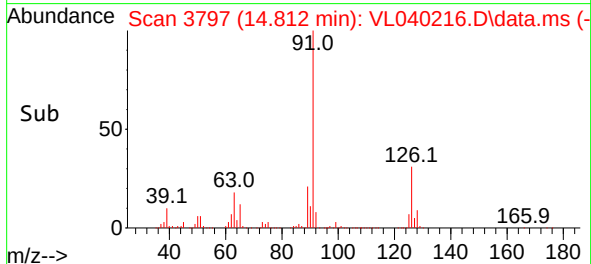
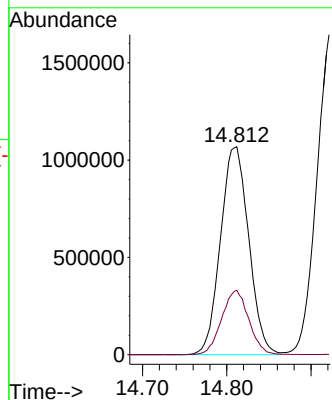
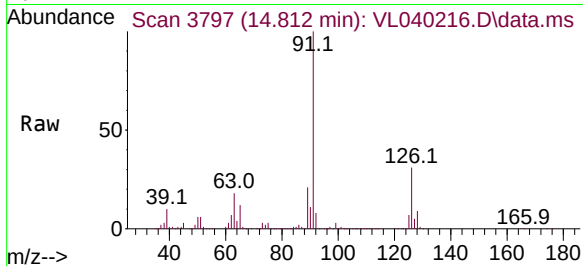




#71
2-Chlorotoluene
Concen: 8.383 ppbv
RT: 14.812 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

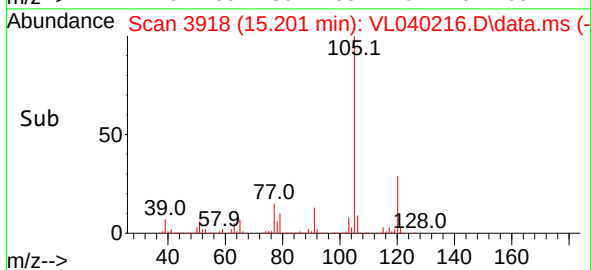
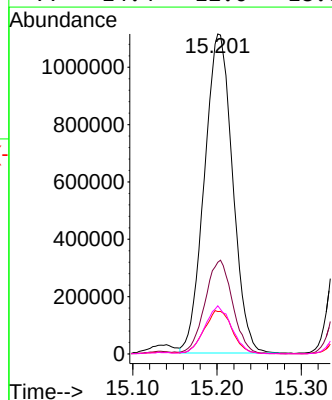
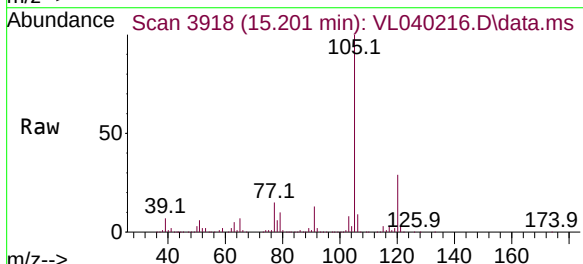
Instrument :
MSVOA_L
ClientSampleId :
VSTDC0010

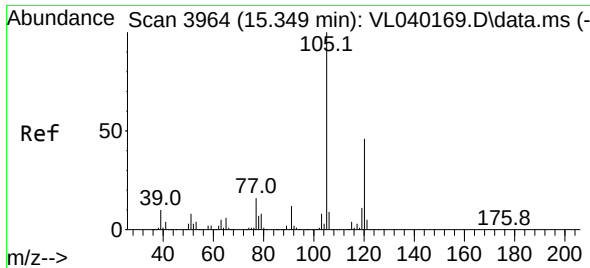
Tgt Ion: 91 Resp: 2484649
Ion Ratio Lower Upper
91 100
126 29.8 12.0 48.2



#72
4-Ethyltoluene
Concen: 8.671 ppbv
RT: 15.201 min Scan# 3918
Delta R.T. -0.019 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion: 105 Resp: 2587927
Ion Ratio Lower Upper
105 100
120 28.9 23.2 34.8
91 14.1 11.3 16.9
77 14.4 12.0 18.0

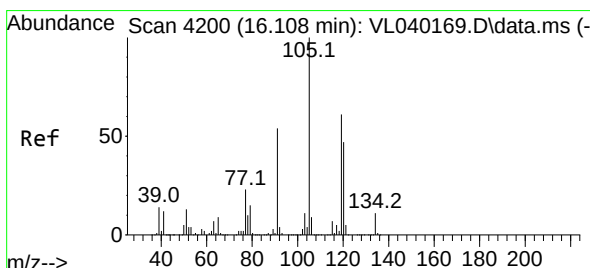
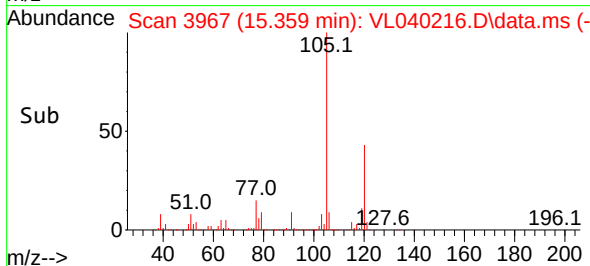
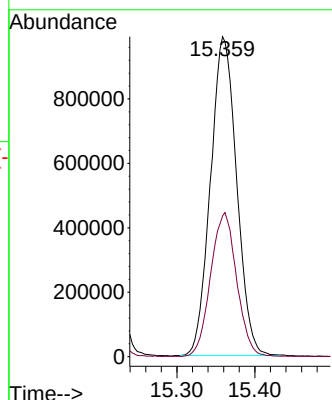
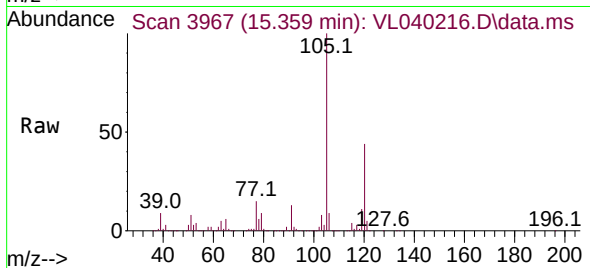




#73
1,3,5-Trimethylbenzene
Concen: 8.311 ppbv
RT: 15.359 min Scan# 3964
Delta R.T. -0.023 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

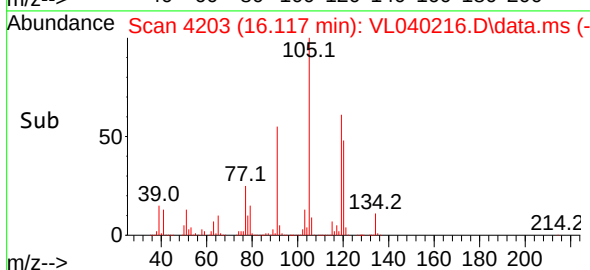
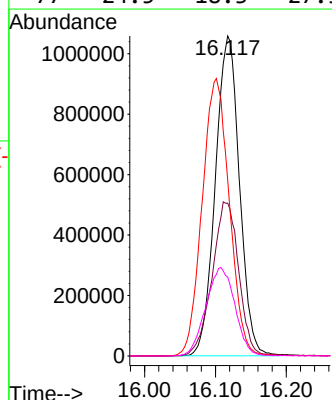
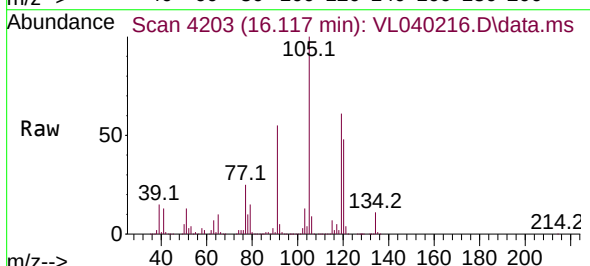
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

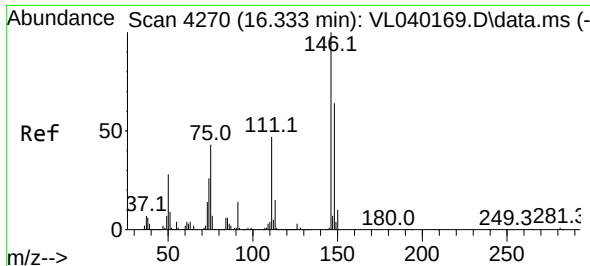
Tgt Ion:105 Resp: 2308044
Ion Ratio Lower Upper
105 100
120 44.0 36.8 55.2



#74
1,2,4-Trimethylbenzene
Concen: 8.216 ppbv
RT: 16.117 min Scan# 4203
Delta R.T. -0.019 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion:105 Resp: 2506369
Ion Ratio Lower Upper
105 100
120 47.6 37.9 56.9
91 54.7 43.7 65.5
77 24.5 18.3 27.5

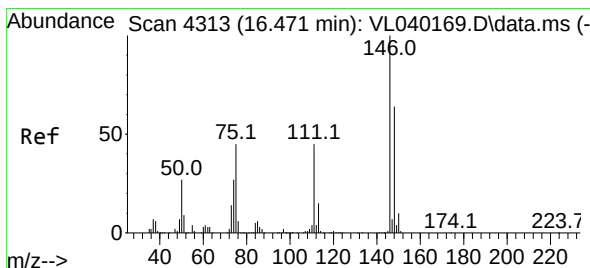
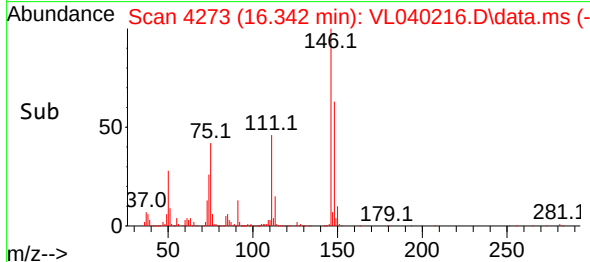
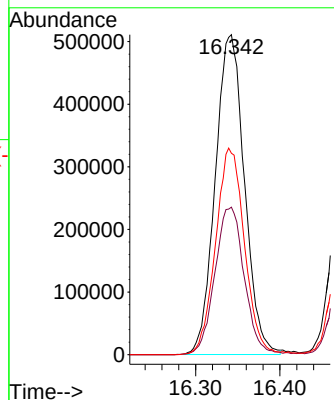
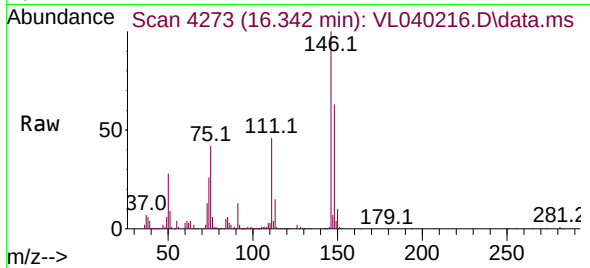




#75
1,3-Dichlorobenzene
Concen: 7.356 ppbv
RT: 16.342 min Scan# 41
Delta R.T. -0.019 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

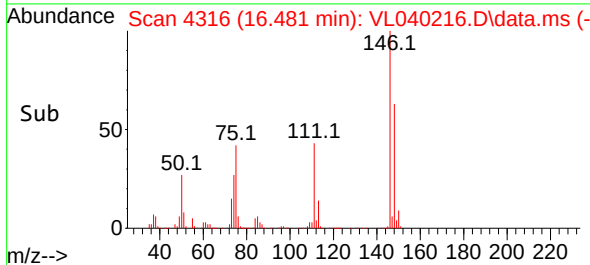
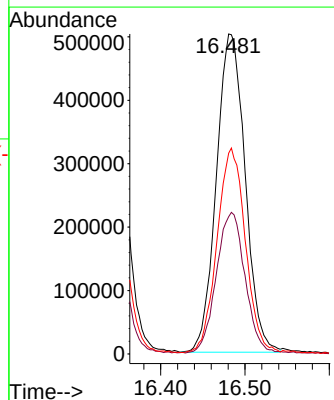
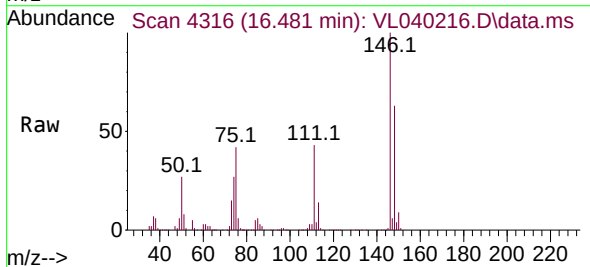
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

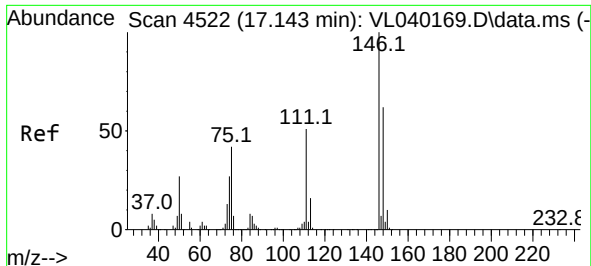
Tgt Ion:146 Resp: 1227973
Ion Ratio Lower Upper
146 100
111 46.5 23.9 71.8
148 64.1 32.1 96.5



#76
1,4-Dichlorobenzene
Concen: 7.268 ppbv
RT: 16.481 min Scan# 4316
Delta R.T. -0.023 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion:146 Resp: 1189068
Ion Ratio Lower Upper
146 100
111 44.5 23.5 70.5
148 64.1 32.5 97.4

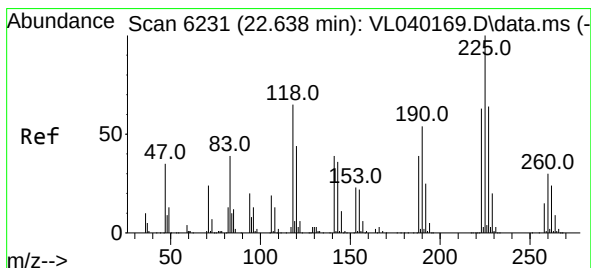
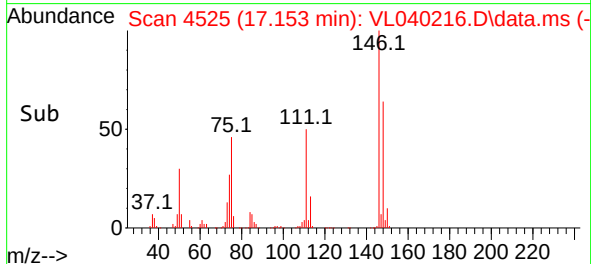
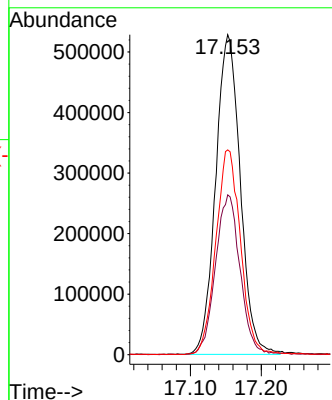
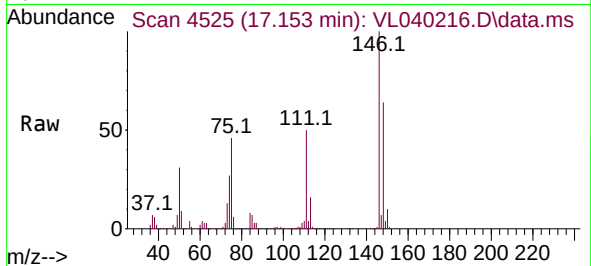




#77
1,2-Dichlorobenzene
Concen: 7.679 ppbv
RT: 17.153 min Scan# 41
Delta R.T. -0.026 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

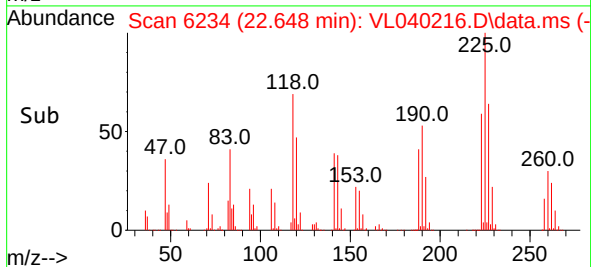
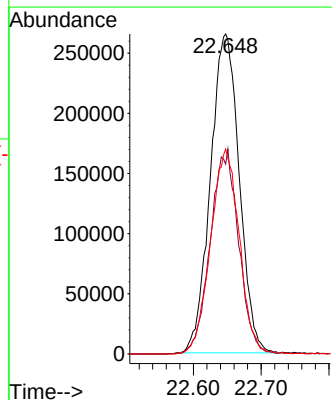
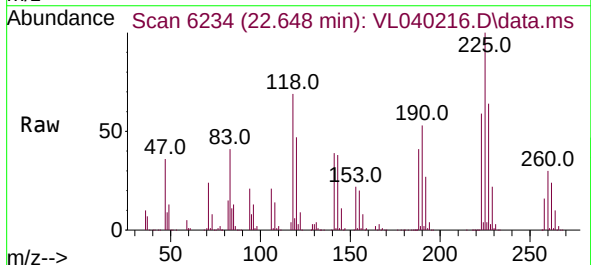
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

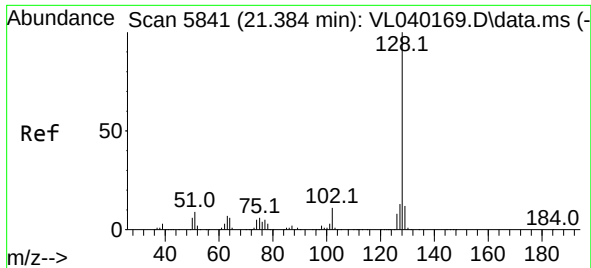
Tgt Ion:146 Resp: 1273327
Ion Ratio Lower Upper
146 100
111 50.5 25.3 75.8
148 64.4 32.0 96.2



#78
Hexachloro-1,3-Butadiene
Concen: 6.886 ppbv
RT: 22.648 min Scan# 6234
Delta R.T. -0.019 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion:225 Resp: 784487
Ion Ratio Lower Upper
225 100
223 63.2 51.0 76.6
227 64.0 51.2 76.8

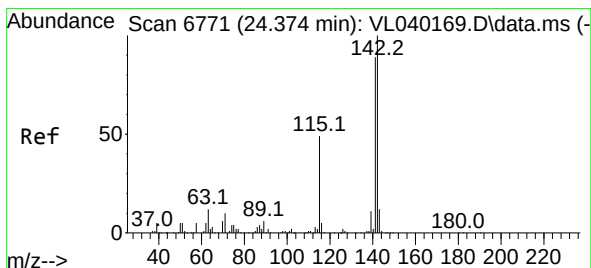
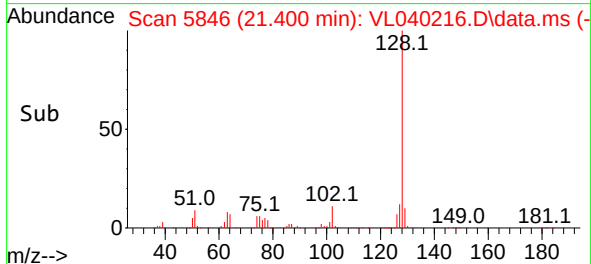
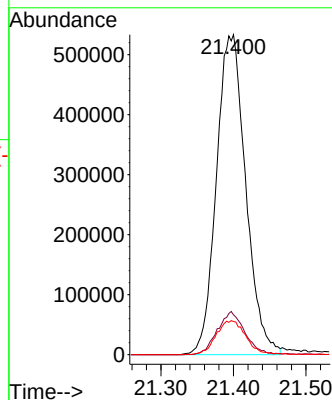
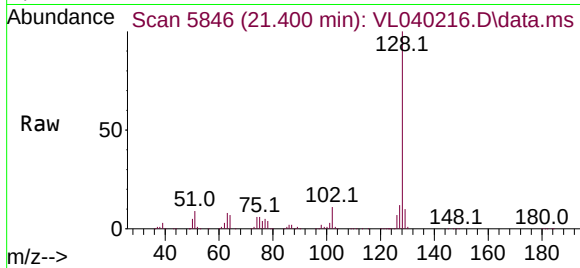




#79
Naphthalene
Concen: 8.734 ppbv
RT: 21.400 min Scan# 5846
Delta R.T. -0.019 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

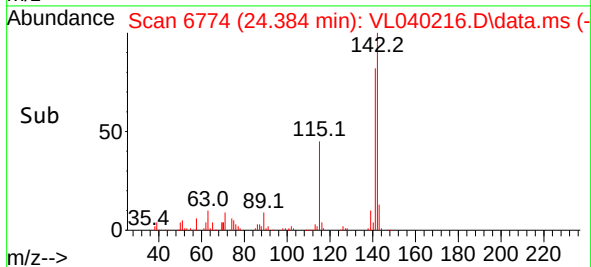
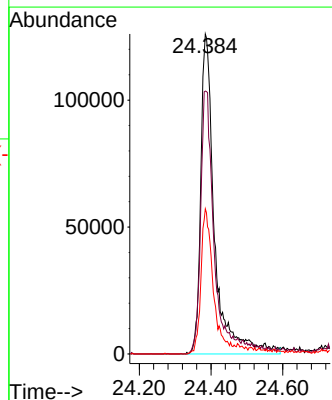
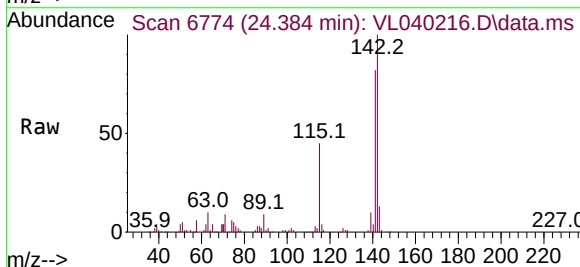
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

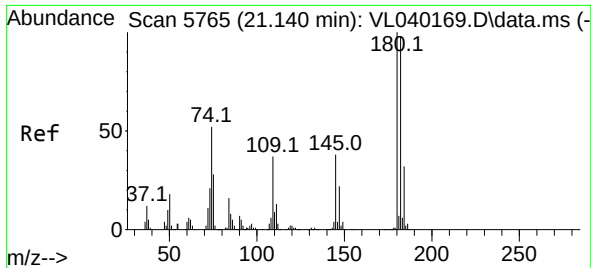
Tgt Ion:128 Resp: 1496784
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.4 9.4 14.0



#80
Naphthalene,2-methyl-
Concen: 6.973 ppbv
RT: 24.384 min Scan# 6774
Delta R.T. -0.016 min
Lab File: VL040216.D
Acq: 23 Feb 2023 10:18

Tgt Ion:142 Resp: 339831
Ion Ratio Lower Upper
142 100
141 82.6 67.3 100.9
115 40.5 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 7.700 ppbv

RT: 21.149 min Scan# 51

Delta R.T. -0.026 min

Lab File: VL040216.D

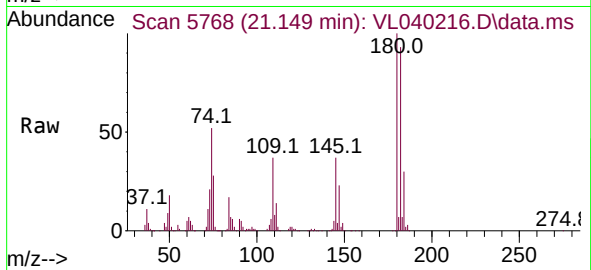
Acq: 23 Feb 2023 10:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 825788

Ion Ratio Lower Upper

180 100

182 95.7 79.0 118.6

184 30.5 24.6 36.8

