

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040358.D
 Acq On : 13 Apr 2023 12:40
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Apr 14 05:50:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1025509	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2538519	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2221996	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1864212	10.146	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	22917	0.124	ppbv	98
3) Chlorodifluoromethane	2.661	51	12251	0.091	ppbv	96
4) Chloromethane	2.800	50	5091	0.060	ppbv	89
5) Vinyl Chloride	2.909	62	5649	0.081	ppbv	89
6) Bromomethane	3.112	94	2482	0.108	ppbv #	71
7) Chloroethane	3.189	64	2169	0.082	ppbv #	66
8) Dichlorotetrafluoroethane	2.845	85	18698	0.103	ppbv	91
9) Propene	2.687	41	5497	0.104	ppbv #	14
10) Heptane	7.587	43	4982	0.041	ppbv #	39
11) Trichlorofluoromethane	3.555	101	17302	0.092	ppbv	84
12) 1,1,2-Trichlorotrifluo...	4.060	101	9303	0.071	ppbv #	64
13) Ethanol	3.240	45	480	0.109	ppbv #	37
14) Bromoethene	3.356	108	3419	0.064	ppbv #	64
15) Acetone	3.478	43	25568	0.176	ppbv #	82
16) 1,3-Butadiene	2.973	39	4522	0.075	ppbv #	77
17) tert-Butyl alcohol	3.896	59	10971	0.082	ppbv	94
18) 1,1-Dichloroethene	3.877	96	4747	0.080	ppbv #	88
19) Isopropyl Alcohol	3.546	45	82	0.001	ppbv #	90
20) Methylene Chloride	3.928	84	15735	0.271	ppbv	92
21) Allyl Chloride	3.986	41	3907	0.047	ppbv #	19
22) trans-1,2-Dichloroethene	4.446	96	5487	0.093	ppbv #	72
23) Vinyl Acetate	4.613	43	722	0.020	ppbv #	78
24) 1,1-Dichloroethane	4.555	63	5803	0.047	ppbv	100
25) Ethyl Acetate	5.211	43	12406	0.051	ppbv #	85
26) Hexane	5.208	57	7246	0.070	ppbv #	50
27) Carbon Disulfide	4.118	76	5473	0.041	ppbv #	1
28) Methyl tert-Butyl Ether	4.581	73	1497	0.014	ppbv #	52
29) Chloroform	5.272	83	17556	0.096	ppbv	96
30) Cyclohexane	6.597	84	1459	0.018	ppbv #	1
31) cis-1,2-Dichloroethene	5.079	61	6533	0.064	ppbv	88
32) 1,1,1-Trichloroethane	5.999	97	15511	0.087	ppbv	98
34) 2-Butanone	4.803	43	6832	0.050	ppbv #	51
35) Carbon Tetrachloride	6.494	117	13313	0.075	ppbv	99
36) Benzene	6.365	78	9926	0.048	ppbv #	91
37) 1,2-Dichloroethane	5.800	62	5580	0.041	ppbv #	84
38) Trichloroethene	7.288	130	6088	0.052	ppbv #	62
39) 1,2-Dichloropropane	6.655	63	669609	8.217	ppbv #	25
40) 1,4-Dioxane	7.314	88	57	0.002	ppbv #	1
41) Tetrahydrofuran	5.571	42	475	0.006	ppbv #	34
42) Bromodichloromethane	7.246	83	6838	0.037	ppbv #	79
43) Methyl Methacrylate	7.471	69	443	0.006	ppbv #	1
44) 2,2,4-Trimethylpentane	7.333	57	16634	0.048	ppbv #	43
45) t-1,3-Dichloropropene	8.735	75	1019	0.015	ppbv	92

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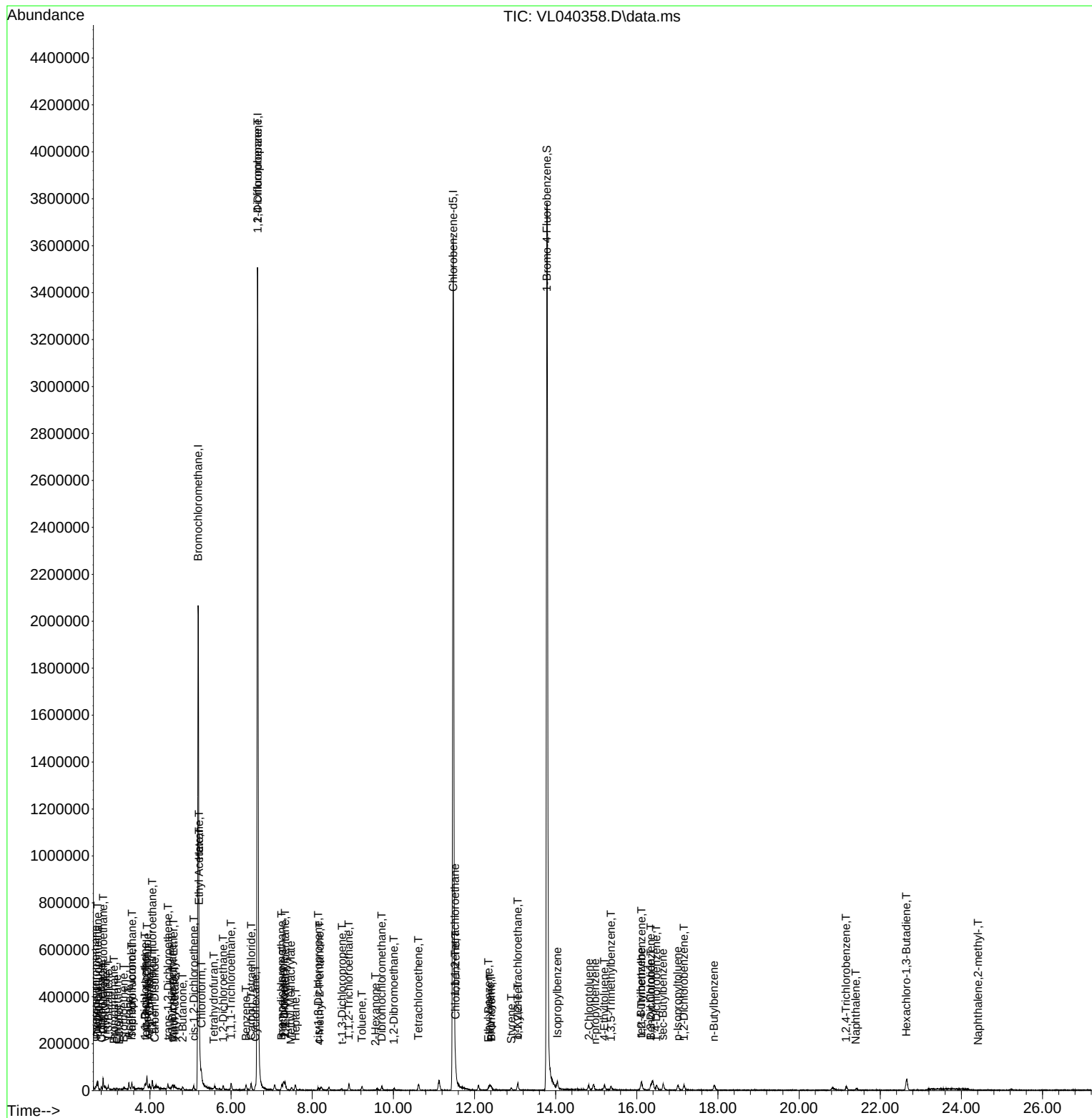
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	1981	0.021	ppbv	91
47) 1,1,2-Trichloroethane	8.899	97	2965	0.033	ppbv #	52
48) Dibromochloromethane	9.713	129	3022	0.021	ppbv #	1
49) Bromoform	12.413	173	2139	0.019	ppbv #	1
50) 4-Methyl-2-Pentanone	8.185	43	364	0.002	ppbv #	39
51) 2-Hexanone	9.558	43	220	0.001	ppbv #	30
52) Tetrachloroethene	10.619	164	2523	0.039	ppbv #	71
53) Toluene	9.224	91	2721	0.012	ppbv #	20
54) 1,2-Dibromoethane	10.008	107	2078	0.023	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.520	131	8239	0.081	ppbv #	54
57) Chlorobenzene	11.536	112	14993	0.086	ppbv #	93
58) Ethyl Benzene	12.343	91	4181	0.015	ppbv	92
59) m/p-Xylene	12.384	91	5996	0.024	ppbv #	26
60) o-Xylene	13.066	91	2595	0.011	ppbv #	32
61) Styrene	12.909	104	1070	0.009	ppbv #	1
62) Isopropylbenzene	14.037	105	12844	0.037	ppbv #	69
63) 1,1,2,2-Tetrachloroethane	13.063	83	4590	0.052	ppbv #	41
64) n-propylbenzene	14.973	120	190	0.002	ppbv	72
65) tert-Butylbenzene	16.105	119	2685	0.009	ppbv #	1
66) Benzyl Chloride	16.346	91	223	0.012	ppbv #	69
67) sec-Butylbenzene	16.645	105	10223	0.023	ppbv #	60
69) p-Isopropyltoluene	17.008	119	6912	0.020	ppbv #	46
70) n-Butylbenzene	17.899	91	5110	0.013	ppbv #	33
71) 2-Chlorotoluene	14.818	91	4783	0.018	ppbv #	45
72) 4-Ethyltoluene	15.198	105	2320	0.009	ppbv #	55
73) 1,3,5-Trimethylbenzene	15.365	105	4308	0.018	ppbv #	83
74) 1,2,4-Trimethylbenzene	16.117	105	4960	0.018	ppbv #	56
75) 1,3-Dichlorobenzene	16.346	146	7844	0.051	ppbv #	57
76) 1,4-Dichlorobenzene	16.481	146	3468	0.023	ppbv #	23
77) 1,2-Dichlorobenzene	17.159	146	2698	0.018	ppbv #	1
78) Hexachloro-1,3-Butadiene	22.641	225	3189	0.026	ppbv #	1
79) Naphthalene	21.400	128	1148	0.006	ppbv #	30
80) Naphthalene,2-methyl-	24.410	142	140	0.002	ppbv #	74
81) 1,2,4-Trichlorobenzene	21.156	180	1252	0.011	ppbv #	12

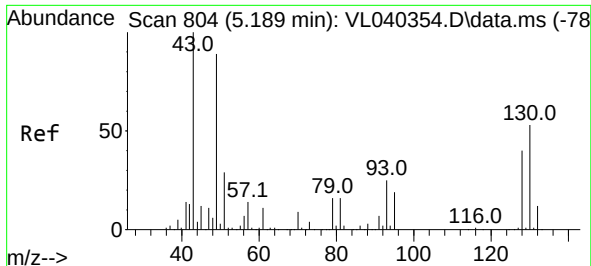
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.189 min Scan# 804

Delta R.T. -0.000 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

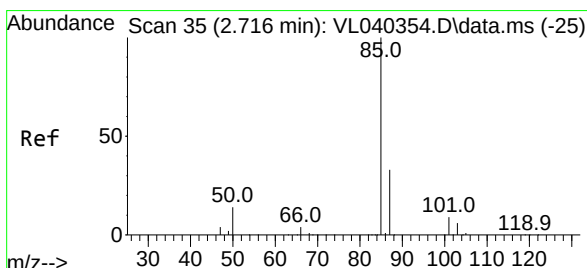
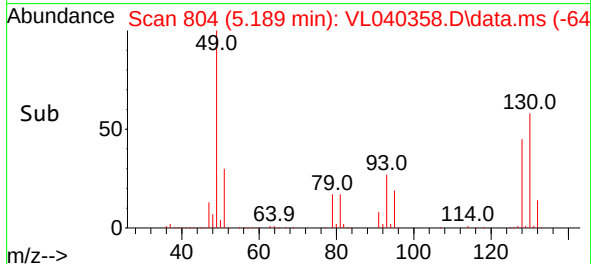
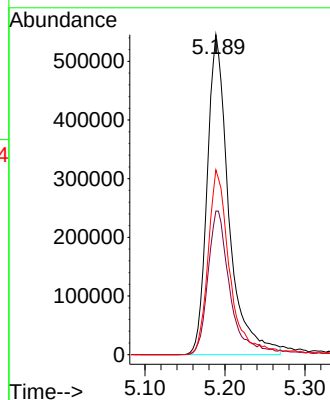
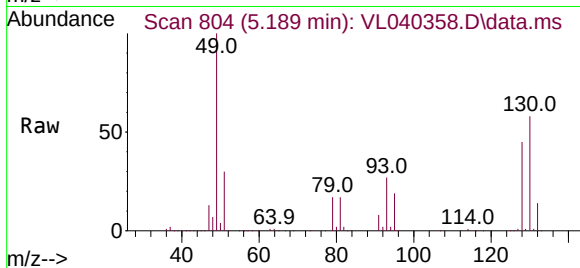
Tgt Ion: 49 Resp: 1025509

Ion Ratio Lower Upper

49 100

128 47.2 23.7 71.1

130 59.6 29.9 89.8



#2

Dichlorodifluoromethane

Concen: 0.124 ppbv

RT: 2.716 min Scan# 35

Delta R.T. 0.000 min

Lab File: VL040358.D

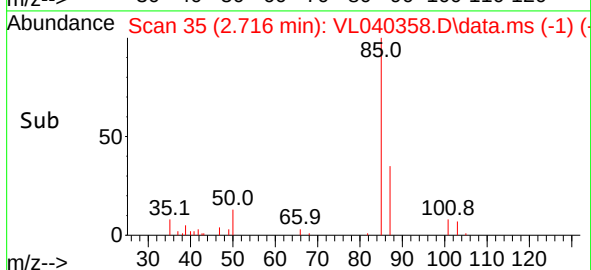
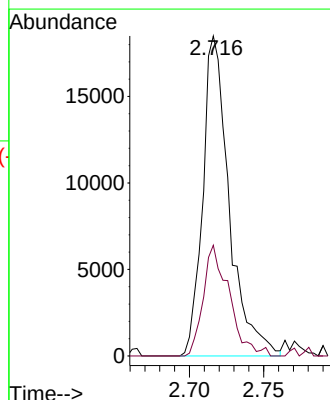
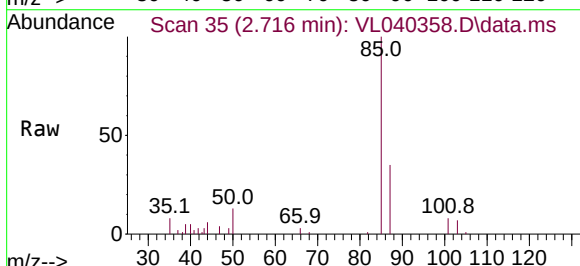
Acq: 13 Apr 2023 12:40

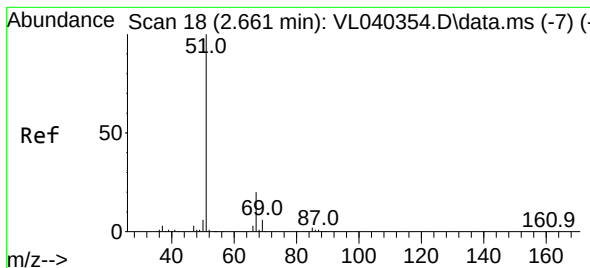
Tgt Ion: 85 Resp: 22917

Ion Ratio Lower Upper

85 100

87 34.6 26.6 40.0





#3

Chlorodifluoromethane

Concen: 0.091 ppbv

RT: 2.661 min Scan# 18

Delta R.T. 0.000 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_1

ClientSampleId :

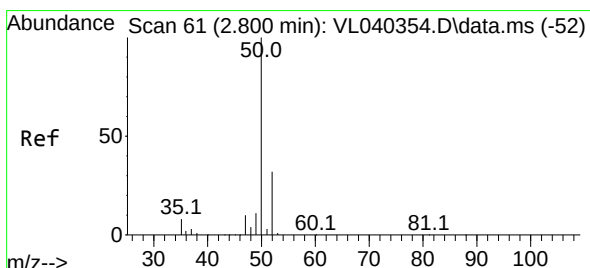
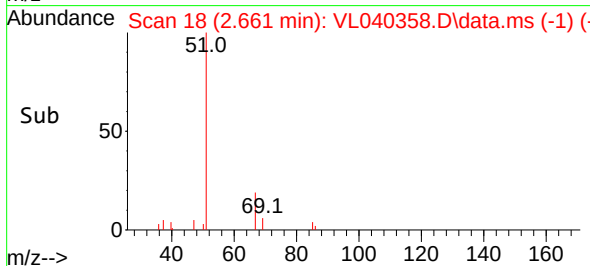
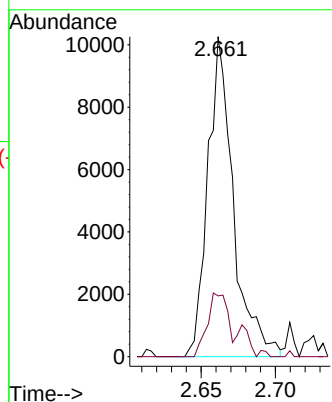
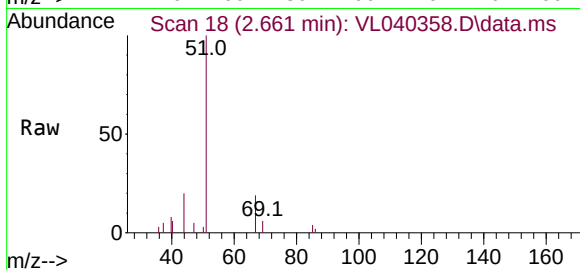
VSTDICC0.1

Tgt Ion: 51 Resp: 12251

Ion Ratio Lower Upper

51 100

67 21.3 15.5 23.3



#4

Chloromethane

Concen: 0.060 ppbv

RT: 2.800 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL040358.D

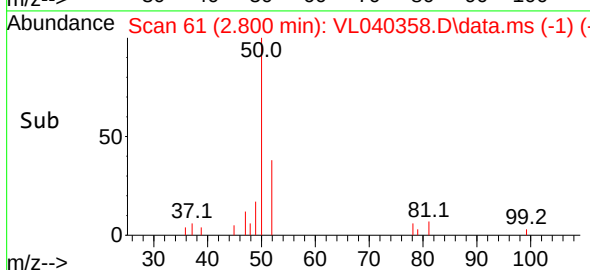
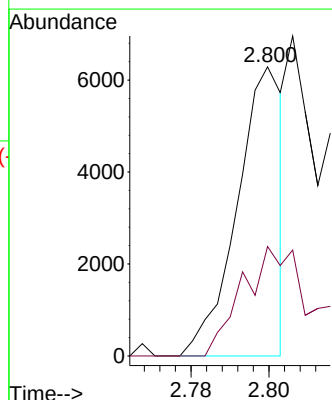
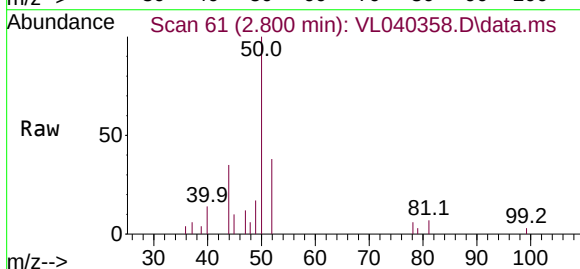
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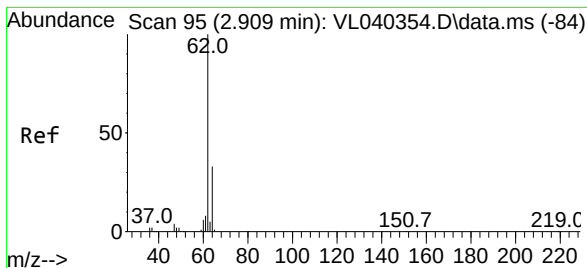
Tgt Ion: 50 Resp: 5091

Ion Ratio Lower Upper

50 100

52 37.8 25.3 37.9

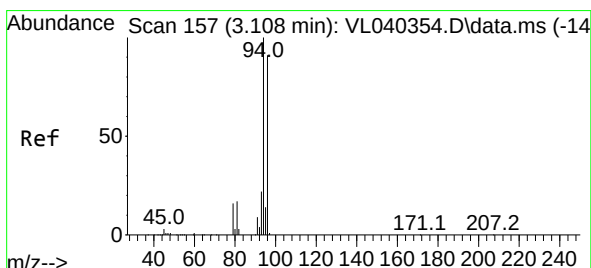
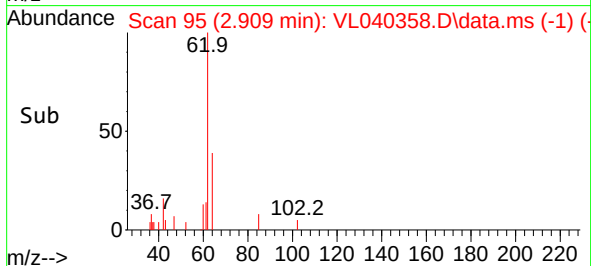
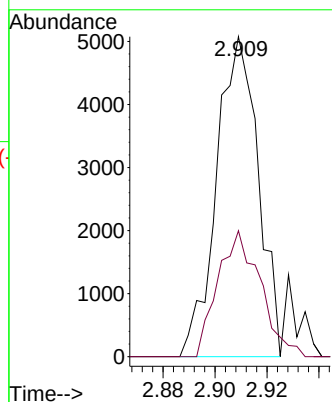
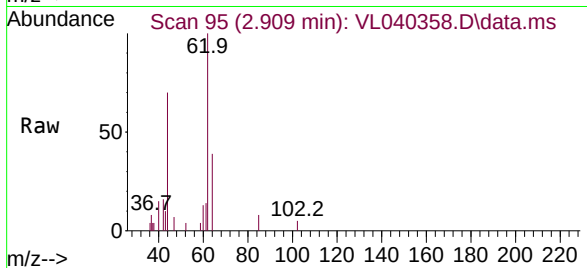




#5
 Vinyl Chloride
 Concen: 0.081 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VL040358.D
 Acq: 13 Apr 2023 12:40

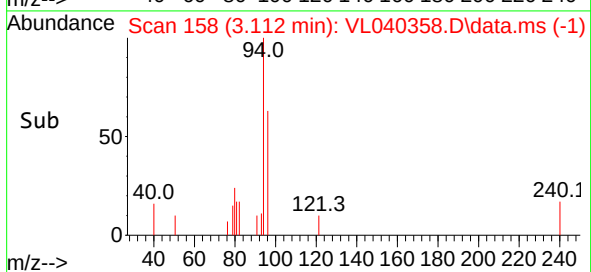
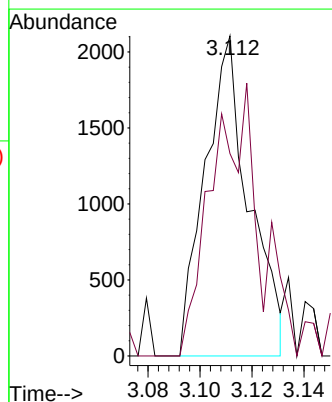
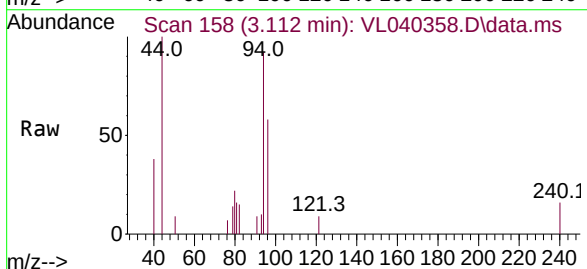
Instrument :
 MSVOA_1
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 VSTDIC0.1

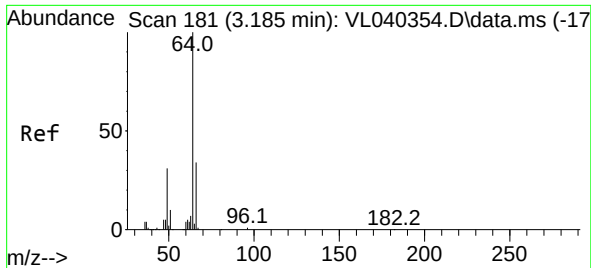
Tgt Ion: 62 Resp: 5649
 Ion Ratio Lower Upper
 62 100
 64 39.4 26.3 39.5



#6
 Bromomethane
 Concen: 0.108 ppbv
 RT: 3.112 min Scan# 158
 Delta R.T. 0.003 min
 Lab File: VL040358.D
 Acq: 13 Apr 2023 12:40

Tgt Ion: 94 Resp: 2482
 Ion Ratio Lower Upper
 94 100
 96 63.3 72.6 108.8#

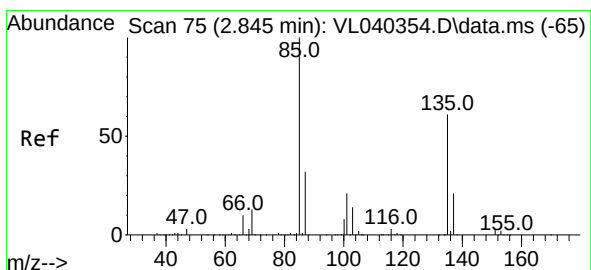
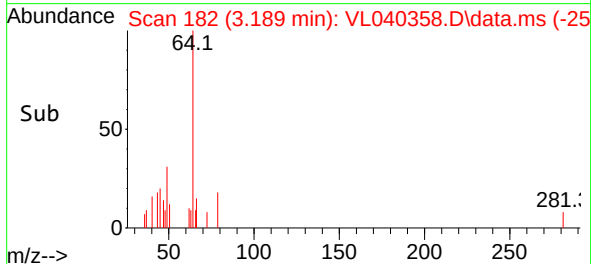
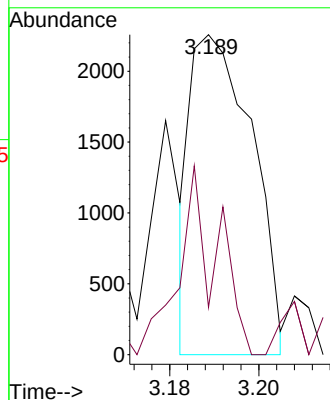
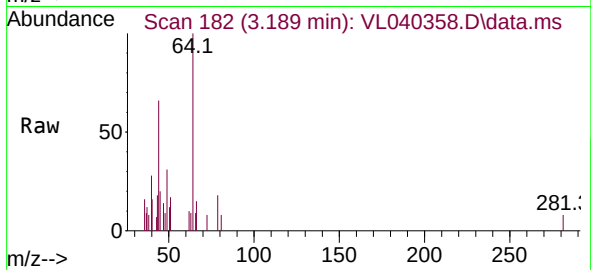




#7
Chloroethane
Concen: 0.082 ppbv
RT: 3.189 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

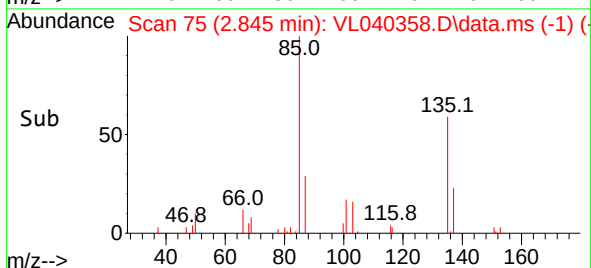
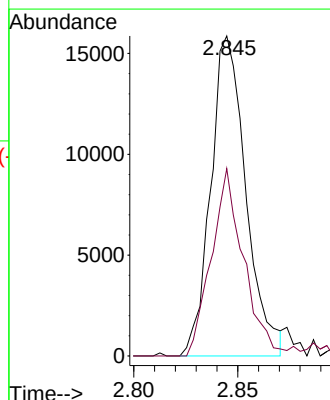
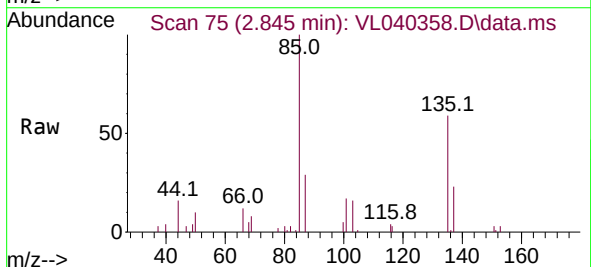
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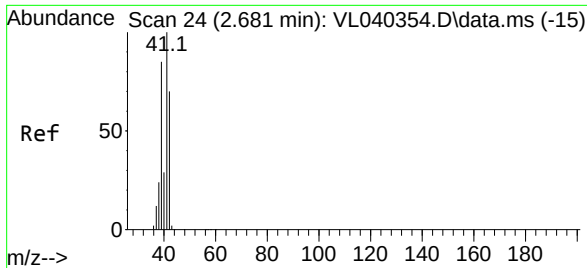
Tgt Ion: 64 Resp: 2169
Ion Ratio Lower Upper
64 100
66 14.8 27.5 41.3#



#8
Dichlorotetrafluoroethane
Concen: 0.103 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.000 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Tgt Ion: 85 Resp: 18698
Ion Ratio Lower Upper
85 100
135 56.7 50.7 76.1

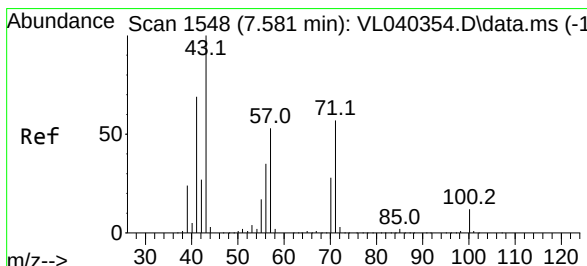
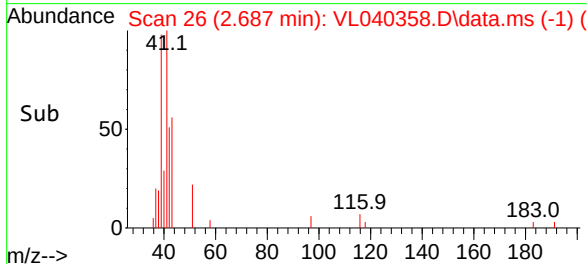
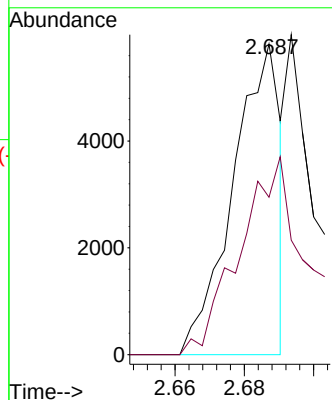
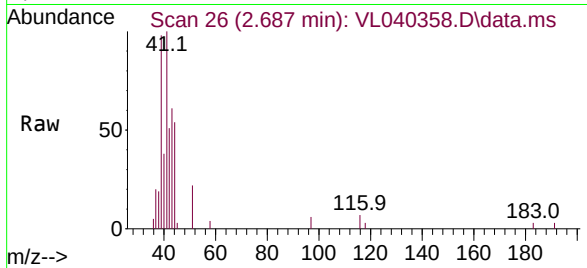




#9
Propene
Concen: 0.104 ppbv
RT: 2.687 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

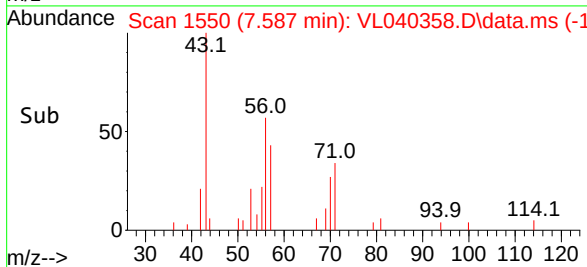
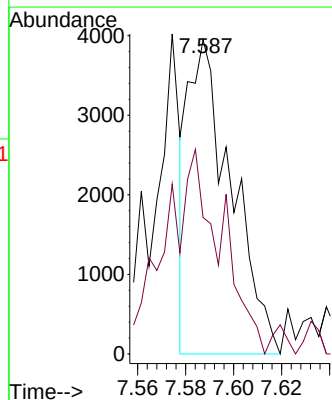
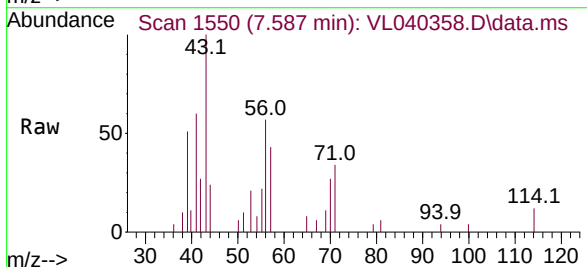
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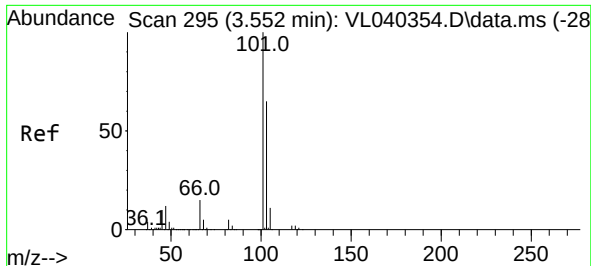
Tgt Ion: 41 Resp: 5497
Ion Ratio Lower Upper
41 100
42 0.0 56.5 84.7#



#10
Heptane
Concen: 0.041 ppbv
RT: 7.587 min Scan# 1550
Delta R.T. 0.007 min
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Tgt Ion: 43 Resp: 4982
Ion Ratio Lower Upper
43 100
57 95.9 42.2 63.4#

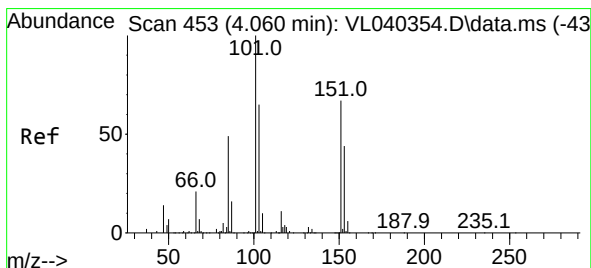
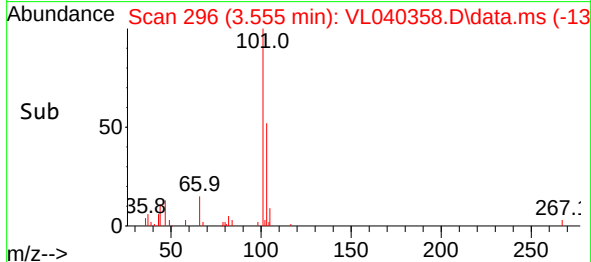
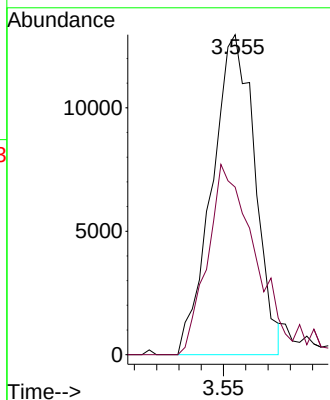
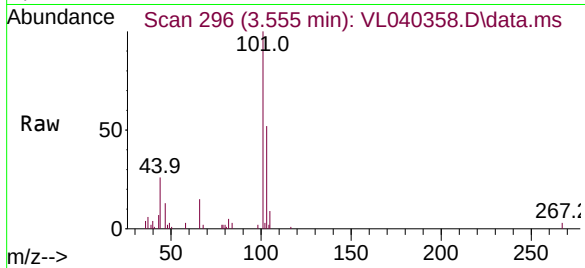




#11
Trichlorofluoromethane
Concen: 0.092 ppbv
RT: 3.555 min Scan# 295
Delta R.T. 0.003 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

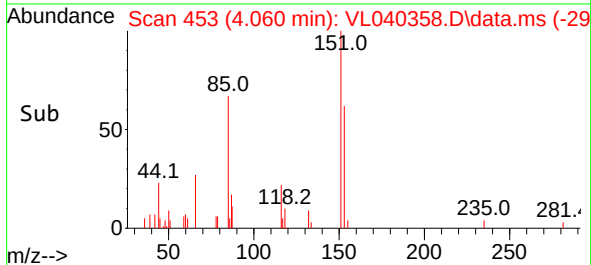
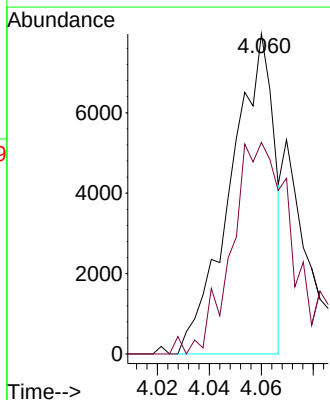
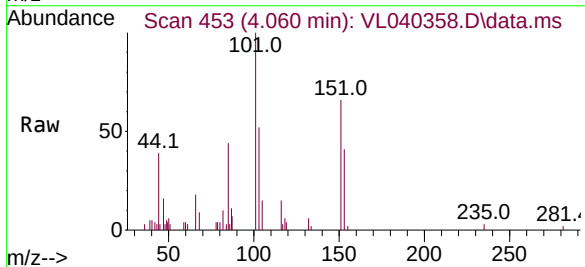
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

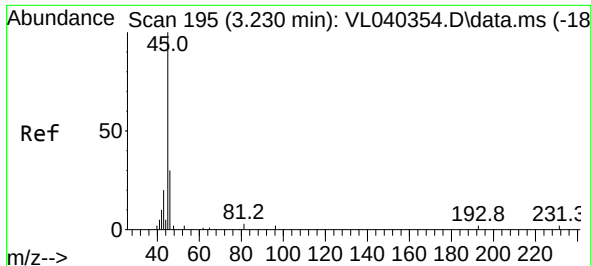
Tgt Ion:101 Resp: 17302
Ion Ratio Lower Upper
101 100
103 52.3 52.2 78.4



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.071 ppbv
RT: 4.060 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Tgt Ion:101 Resp: 9303
Ion Ratio Lower Upper
101 100
151 97.5 54.7 82.1#

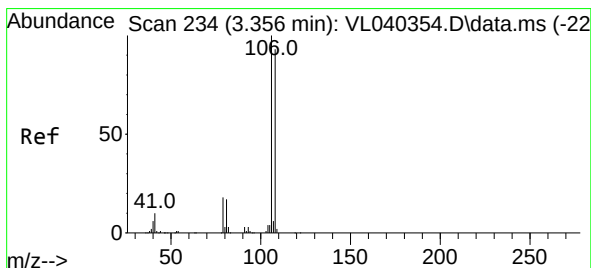
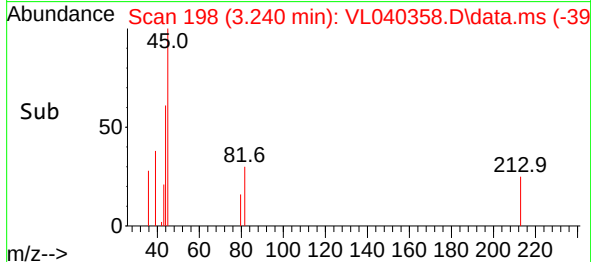
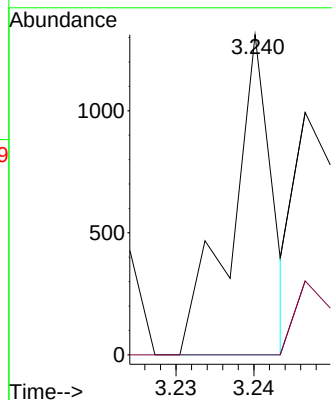
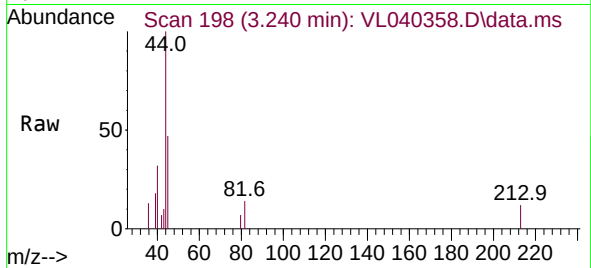




#13
Ethanol
Concen: 0.109 ppbv
RT: 3.240 min Scan# 195
Delta R.T. 0.010 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

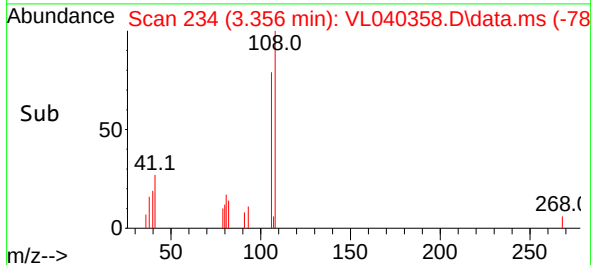
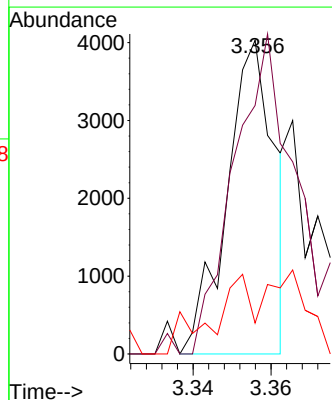
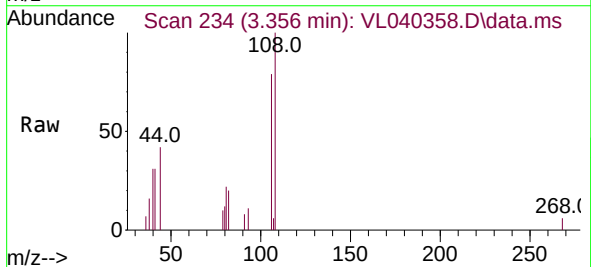
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

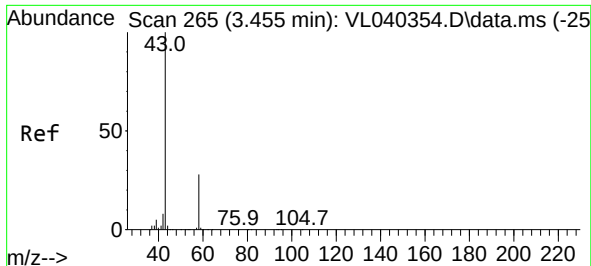
Tgt Ion: 45 Resp: 480
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.3#



#14
Bromoethene
Concen: 0.064 ppbv
RT: 3.356 min Scan# 234
Delta R.T. 0.000 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Tgt Ion: 108 Resp: 3419
Ion Ratio Lower Upper
108 100
106 146.9 88.3 132.5#
79 0.0 16.1 24.1#

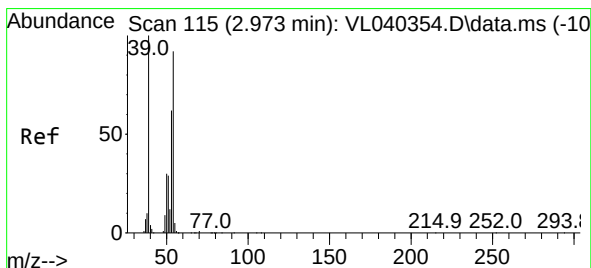
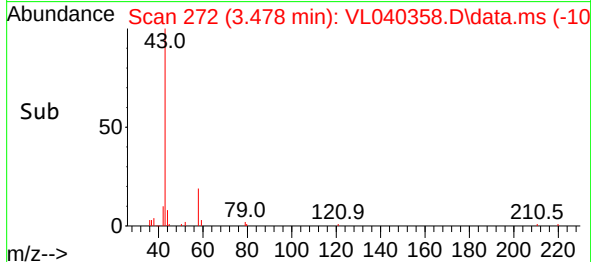
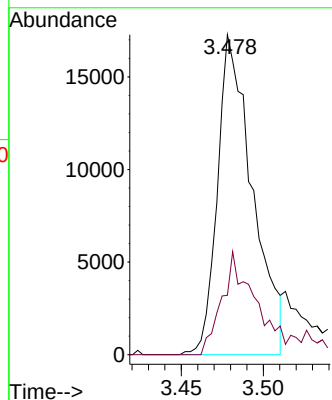
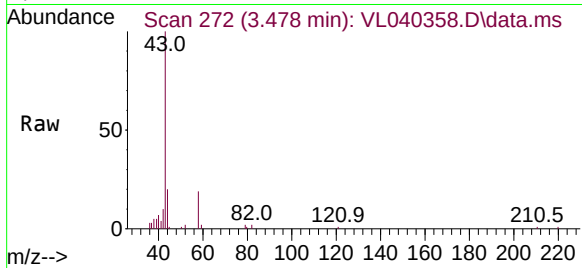




#15
Acetone
Concen: 0.176 ppbv
RT: 3.478 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

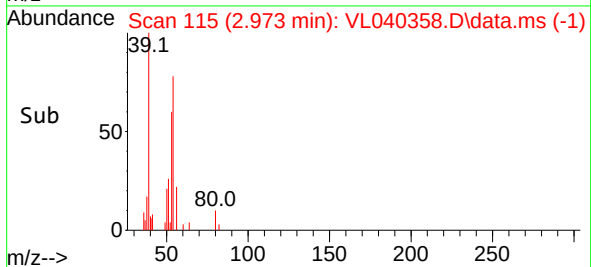
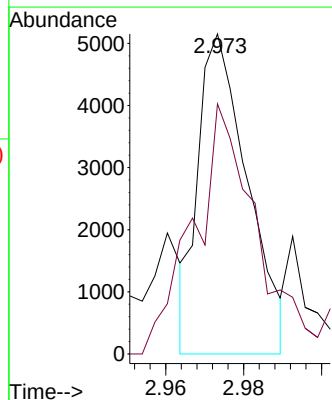
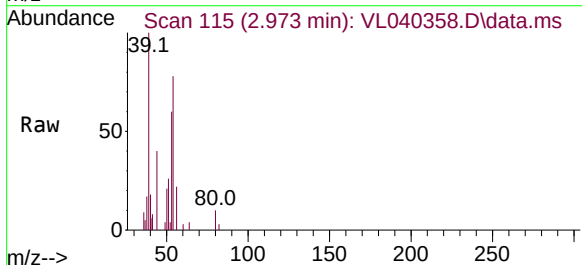
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

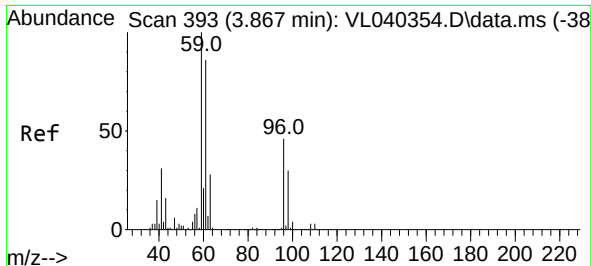
Tgt Ion: 43 Resp: 25568
Ion Ratio Lower Upper
43 100
58 37.1 22.2 33.2#



#16
1,3-Butadiene
Concen: 0.075 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.000 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Tgt Ion: 39 Resp: 4522
Ion Ratio Lower Upper
39 100
54 107.1 68.8 103.2#





#17

tert-Butyl alcohol

Concen: 0.082 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.029 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_1

ClientSampleId :

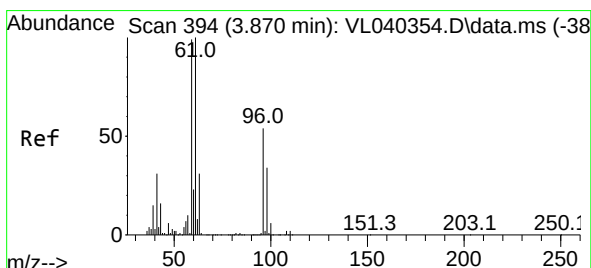
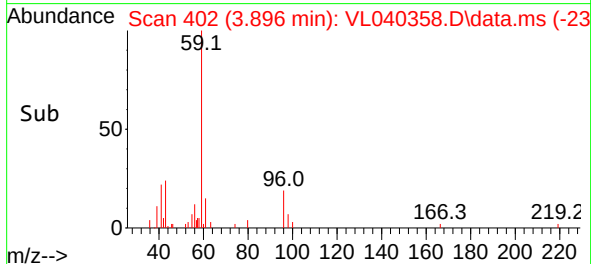
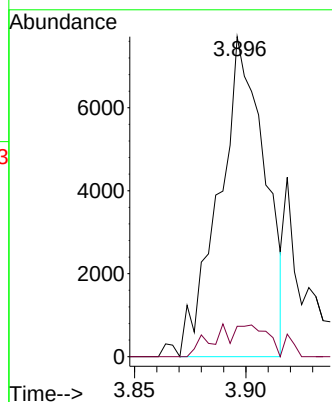
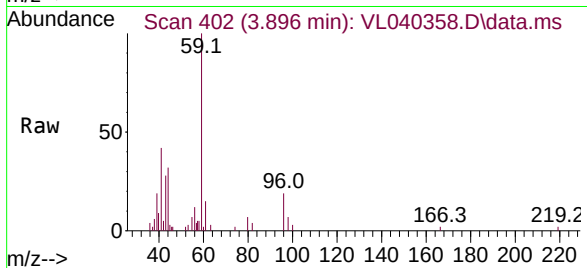
VSTDIC0.1

Tgt Ion: 59 Resp: 10971

Ion Ratio Lower Upper

59 100

57 12.7 8.5 12.7



#18

1,1-Dichloroethene

Concen: 0.080 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.006 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

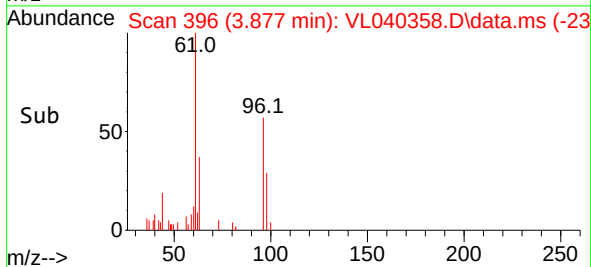
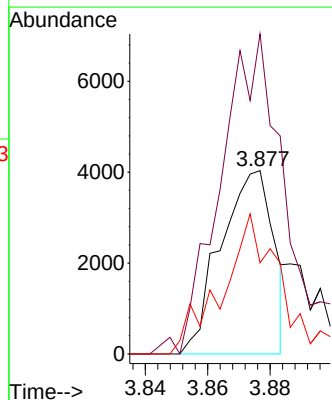
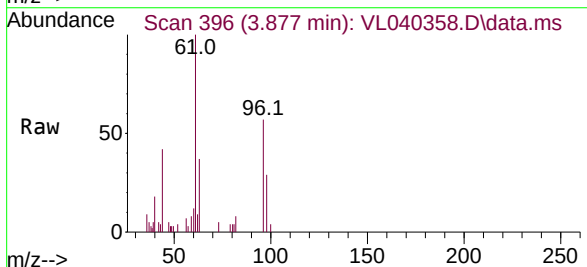
Tgt Ion: 96 Resp: 4747

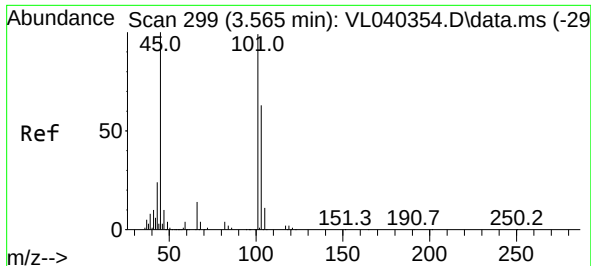
Ion Ratio Lower Upper

96 100

61 174.5 148.3 222.5

98 42.6 49.8 74.8#





#19

Isopropyl Alcohol

Concen: 0.001 ppbv

RT: 3.546 min Scan# 299

Delta R.T. -0.019 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_1

ClientSampleId :

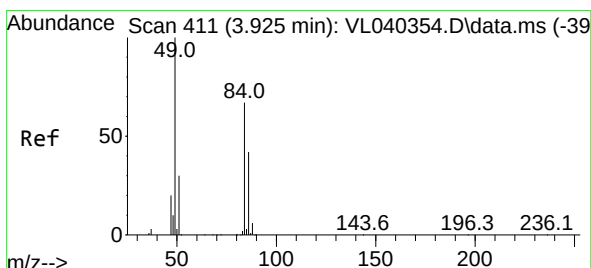
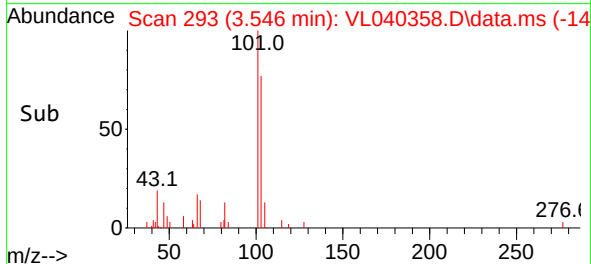
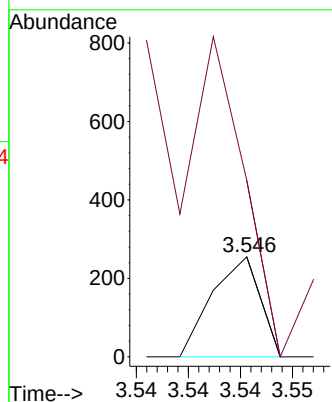
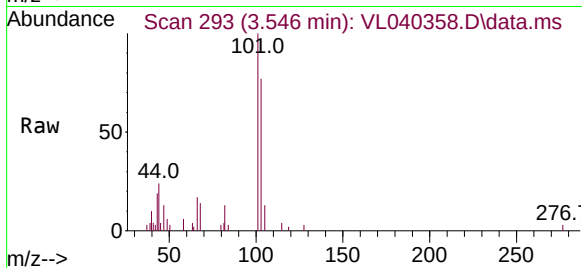
VSTDIC0.1

Tgt Ion: 45 Resp: 82

Ion Ratio Lower Upper

45 100

58 0.0 2.6 4.0#



#20

Methylene Chloride

Concen: 0.271 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.003 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Tgt Ion: 84 Resp: 15735

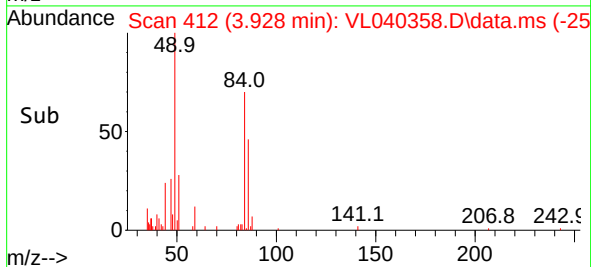
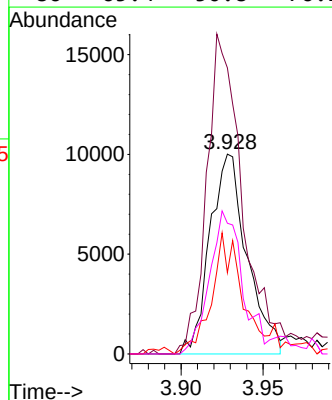
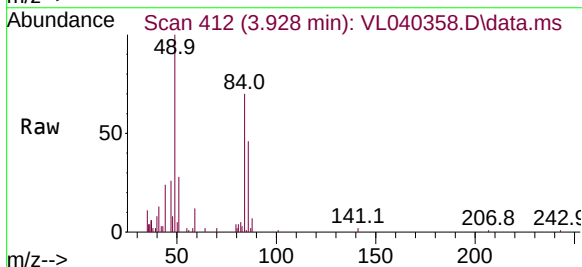
Ion Ratio Lower Upper

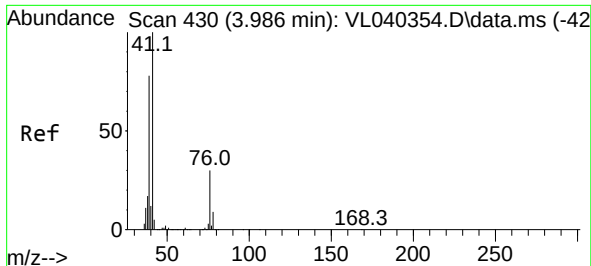
84 100

49 138.8 120.1 180.1

51 38.8 36.3 54.5

86 65.4 50.8 76.2

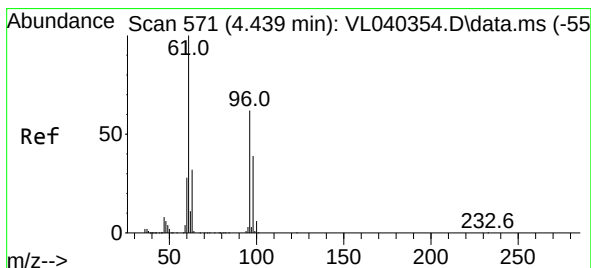
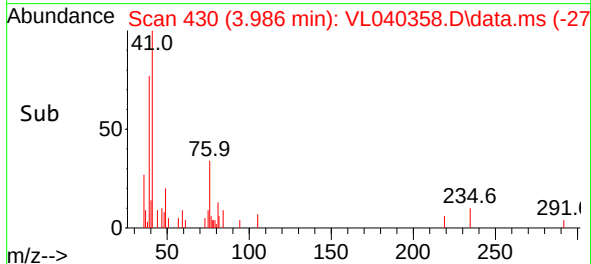
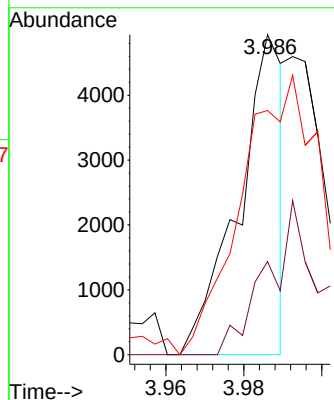
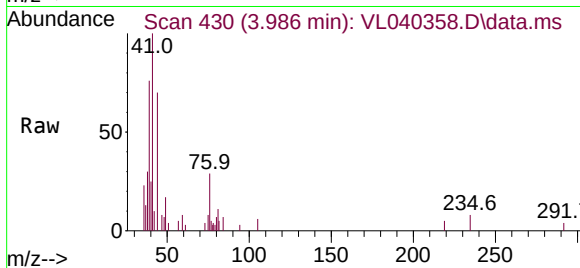




#21
 Allyl Chloride
 Concen: 0.047 ppbv
 RT: 3.986 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040358.D
 Acq: 13 Apr 2023 12:40

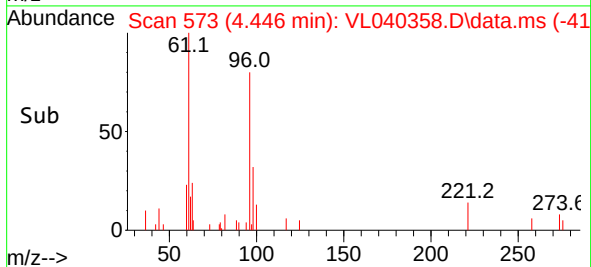
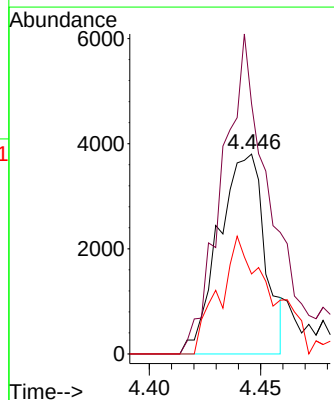
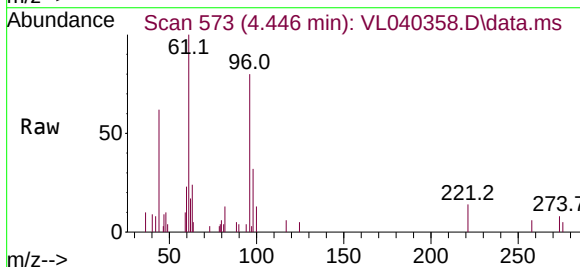
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

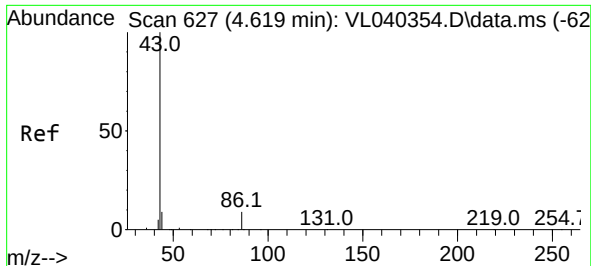
Tgt Ion: 41 Resp: 3907
 Ion Ratio Lower Upper
 41 100
 76 0.0 25.5 38.3#
 39 0.0 64.0 96.0#



#22
 trans-1,2-Dichloroethene
 Concen: 0.093 ppbv
 RT: 4.446 min Scan# 573
 Delta R.T. 0.007 min
 Lab File: VL040358.D
 Acq: 13 Apr 2023 12:40

Tgt Ion: 96 Resp: 5487
 Ion Ratio Lower Upper
 96 100
 61 125.2 129.4 194.2#
 98 40.0 51.0 76.4#

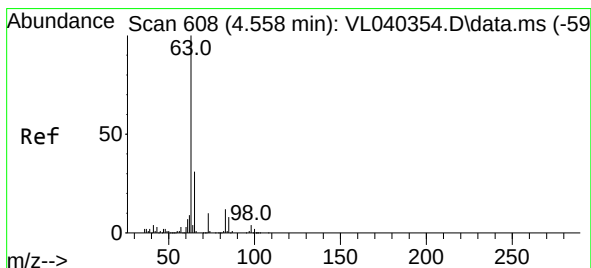
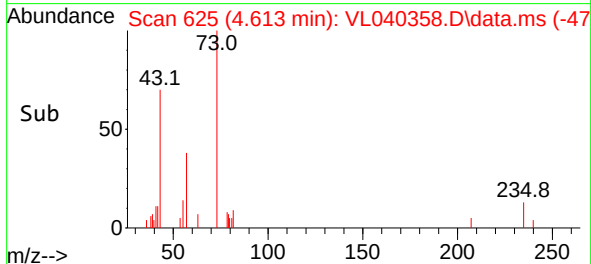
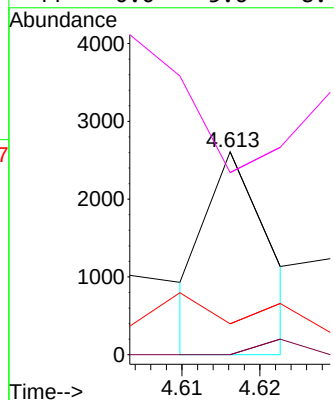
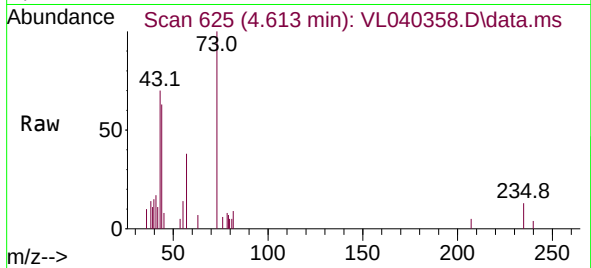




#23
 Vinyl Acetate
 Concen: 0.020 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VL040358.D
 Acq: 13 Apr 2023 12:40

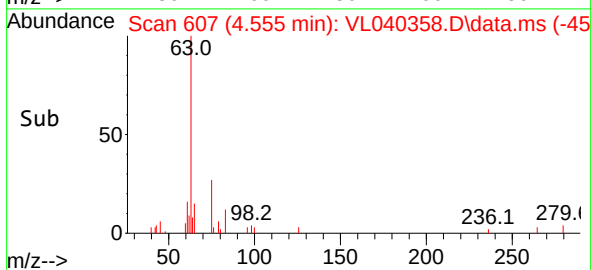
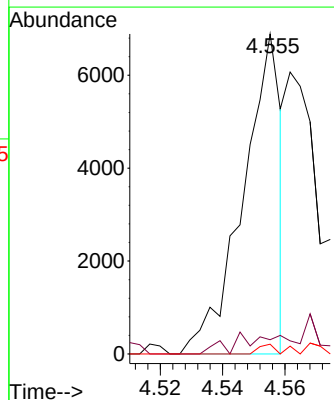
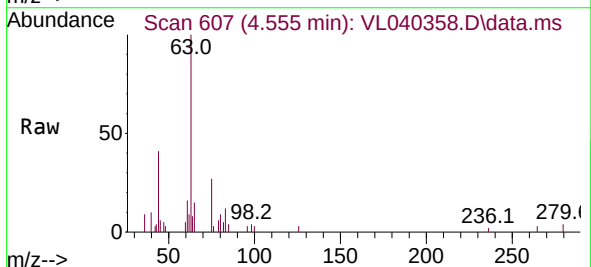
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

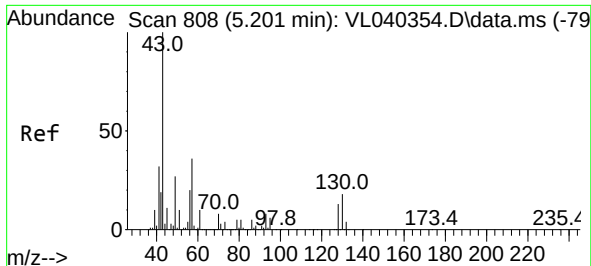
Tgt Ion: 43	Resp: 722
Ion Ratio	Lower Upper
43 100	
86 0.0	6.0 9.0#
42 0.0	6.4 9.6#
44 0.0	5.6 8.4#



#24
 1,1-Dichloroethane
 Concen: 0.047 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. -0.003 min
 Lab File: VL040358.D
 Acq: 13 Apr 2023 12:40

Tgt Ion: 63	Resp: 5803		
Ion Ratio	Lower	Upper	
63 100			
98 4.1	2.1	6.2	
100 2.8	1.2	3.6	

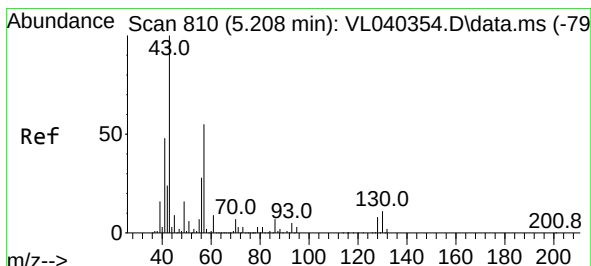
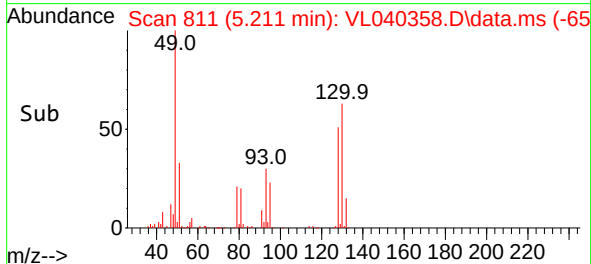
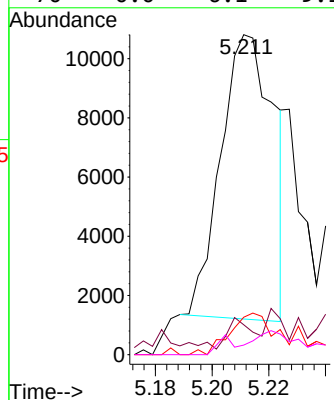
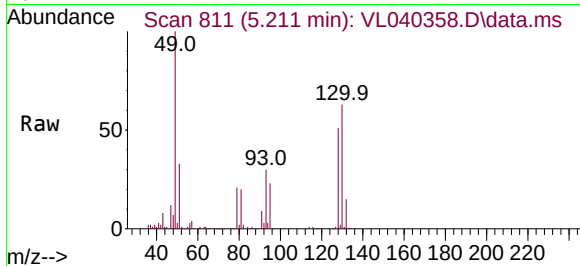




#25
Ethyl Acetate
Concen: 0.051 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

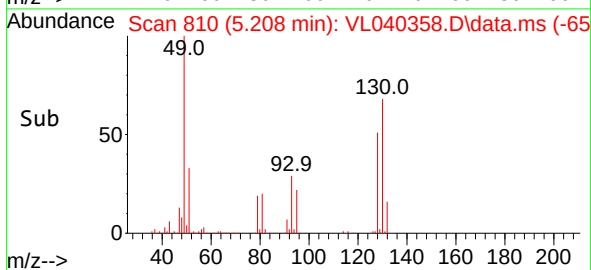
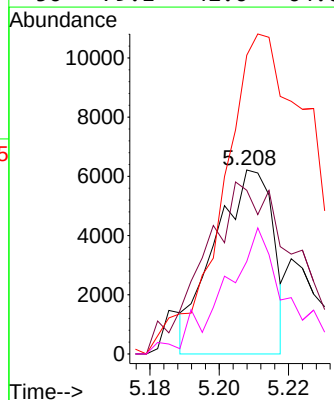
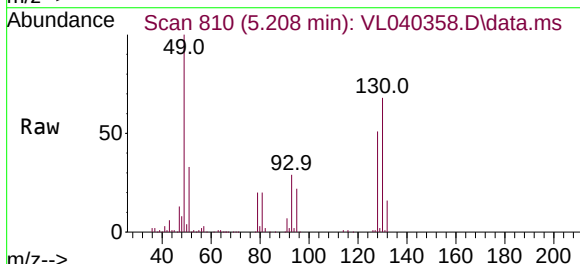
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

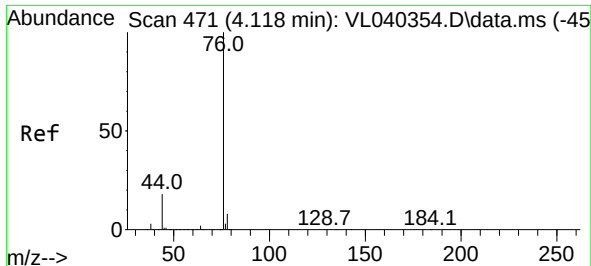
Tgt Ion: 43 Resp: 12406
Ion Ratio Lower Upper
43 100
45 6.6 8.5 12.7#
61 15.7 8.5 12.7#
70 0.0 6.1 9.1#



#26
Hexane
Concen: 0.070 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.000 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Tgt Ion: 57 Resp: 7246
Ion Ratio Lower Upper
57 100
41 162.1 74.8 112.2#
43 316.8 192.7 289.1#
56 79.1 42.6 64.0#





#27

Carbon Disulfide

Concen: 0.041 ppbv

RT: 4.118 min Scan# 471

Delta R.T. 0.000 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

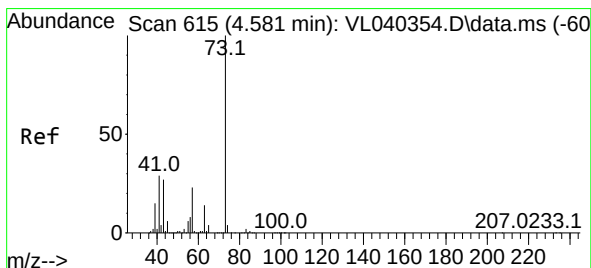
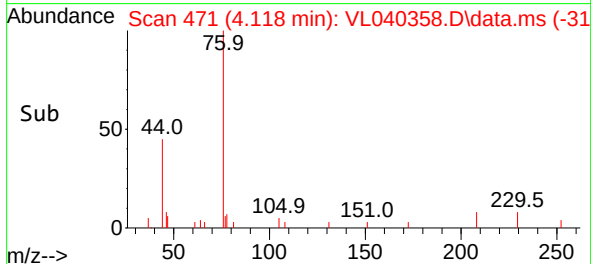
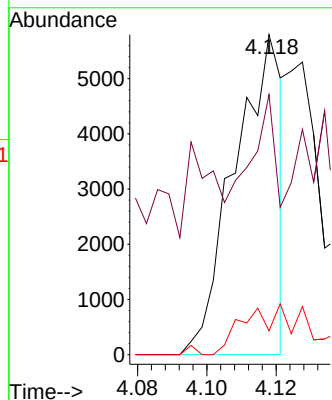
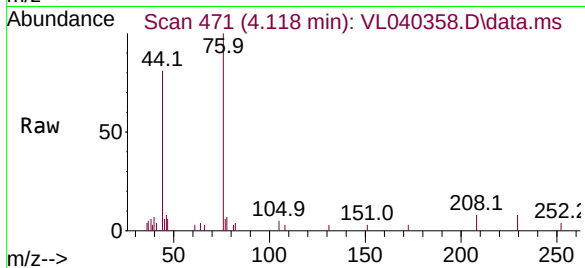
Tgt Ion: 76 Resp: 5473

Ion Ratio Lower Upper

76 100

44 130.3 14.7 22.1#

78 25.3 7.7 11.5#



#28

Methyl tert-Butyl Ether

Concen: 0.014 ppbv

RT: 4.581 min Scan# 615

Delta R.T. 0.000 min

Lab File: VL040358.D

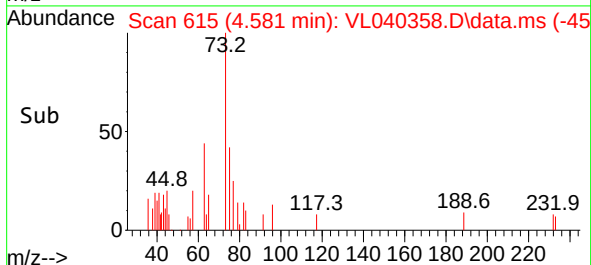
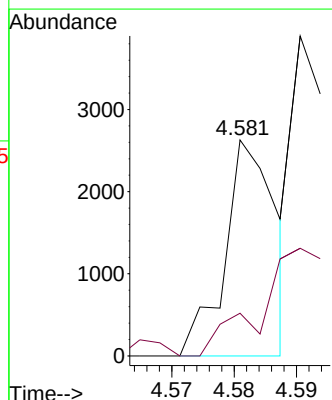
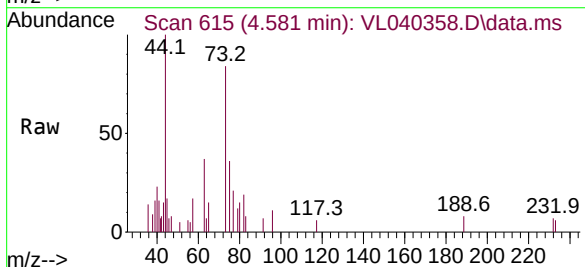
Acq: 13 Apr 2023 12:40

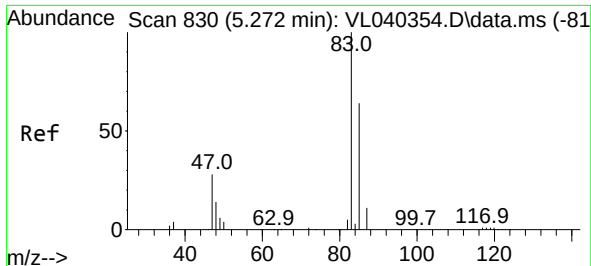
Tgt Ion: 73 Resp: 1497

Ion Ratio Lower Upper

73 100

57 0.0 18.6 27.8#





#29

Chloroform

Concen: 0.096 ppbv

RT: 5.272 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_1

ClientSampleId :

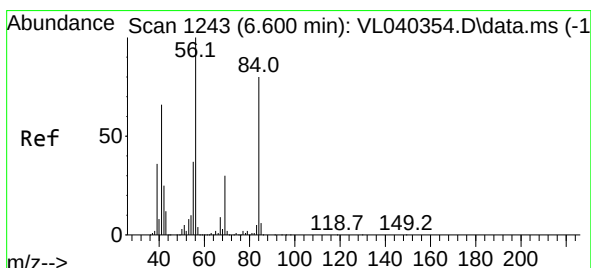
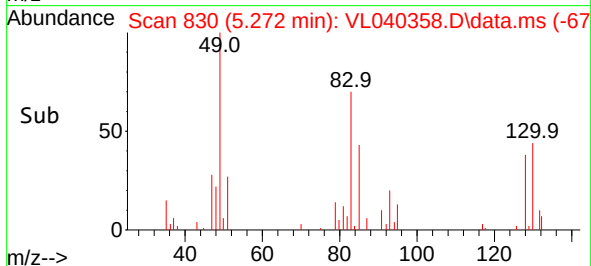
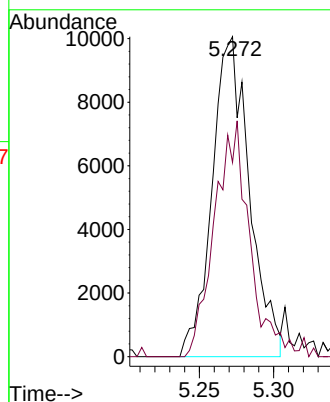
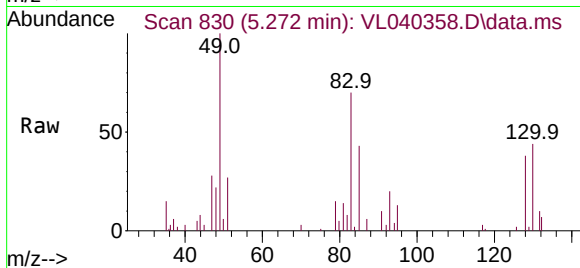
VSTDIC0.1

Tgt Ion: 83 Resp: 17556

Ion Ratio Lower Upper

83 100

85 60.7 51.0 76.4



#30

Cyclohexane

Concen: 0.018 ppbv

RT: 6.597 min Scan# 1242

Delta R.T. -0.003 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

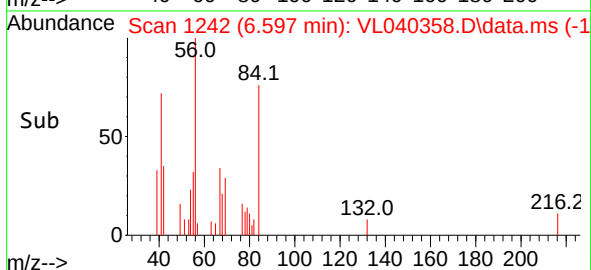
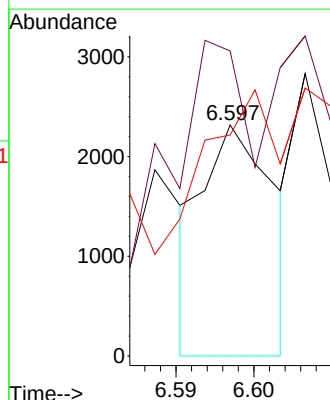
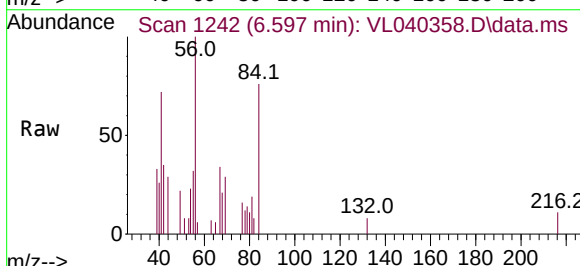
Tgt Ion: 84 Resp: 1459

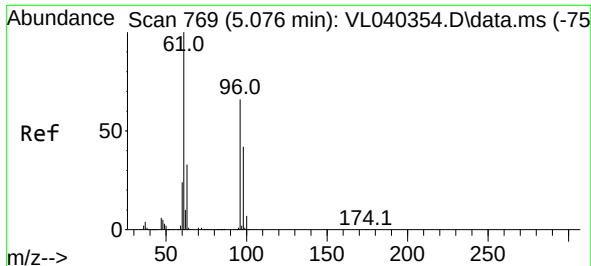
Ion Ratio Lower Upper

84 100

56 0.0 107.0 160.6#

41 0.0 66.7 100.1#

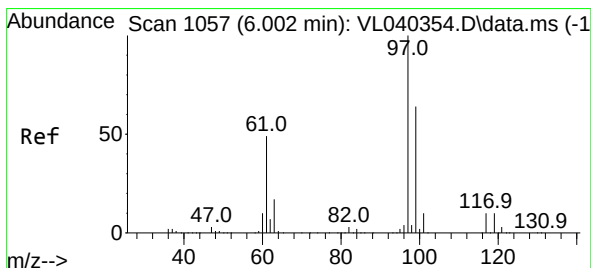
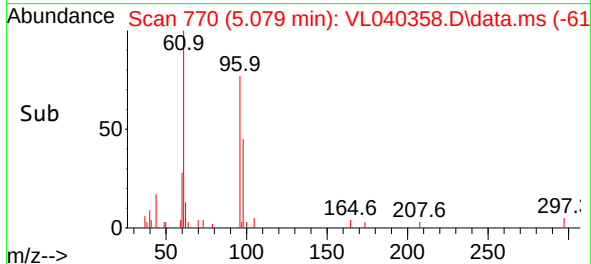
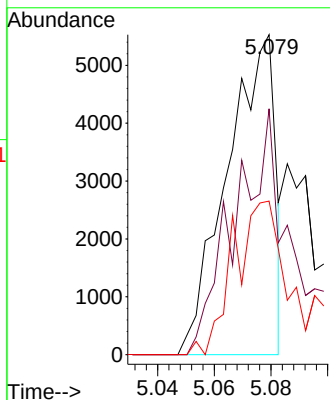
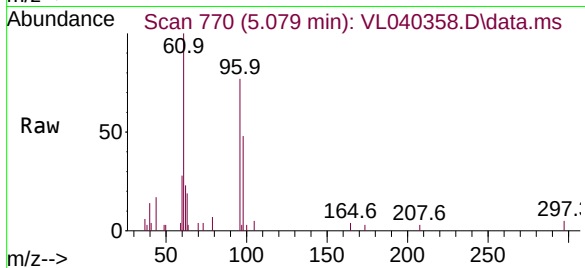




#31
 cis-1,2-Dichloroethene
 Concen: 0.064 ppbv
 RT: 5.079 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL040358.D
 Acq: 13 Apr 2023 12:40

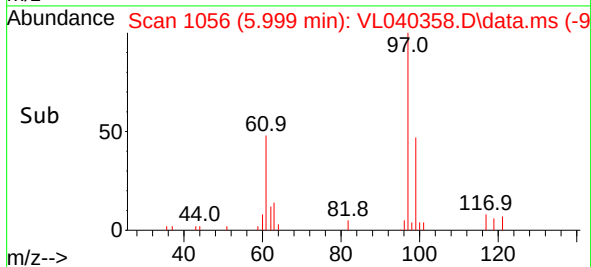
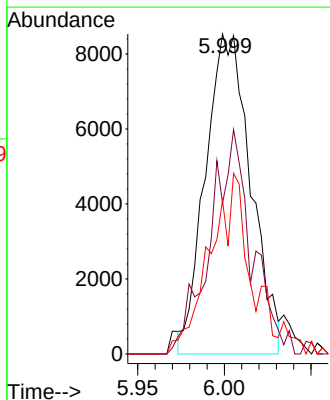
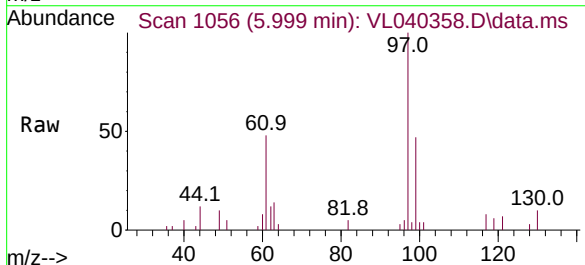
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

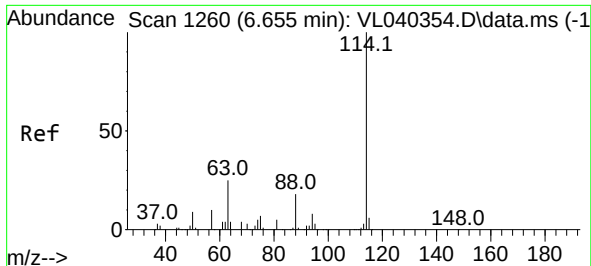
Tgt Ion: 61 Resp: 6533
 Ion Ratio Lower Upper
 61 100
 96 76.9 53.0 79.4
 98 48.0 33.8 50.8



#32
 1,1,1-Trichloroethane
 Concen: 0.087 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. -0.003 min
 Lab File: VL040358.D
 Acq: 13 Apr 2023 12:40

Tgt Ion: 97 Resp: 15511
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.8 77.8
 61 53.0 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.1

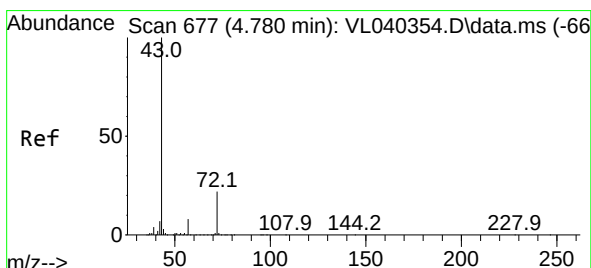
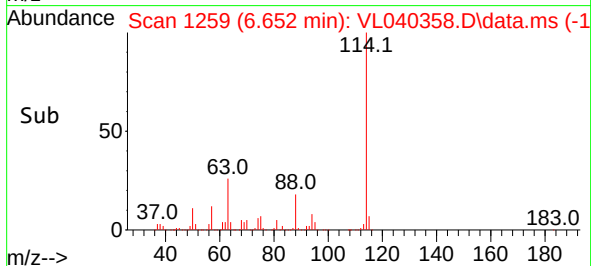
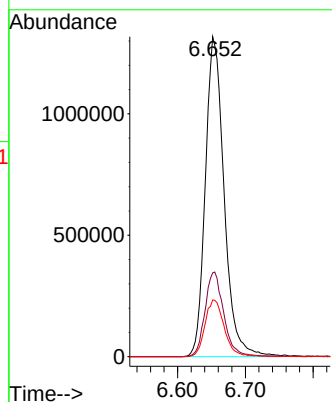
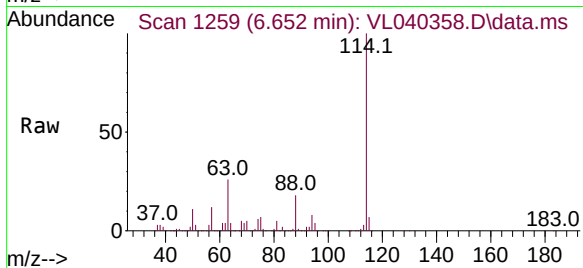
Tgt Ion:114 Resp: 2538519

Ion Ratio Lower Upper

114 100

63 26.7 21.4 32.0

88 18.3 14.6 22.0



#34

2-Butanone

Concen: 0.050 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.023 min

Lab File: VL040358.D

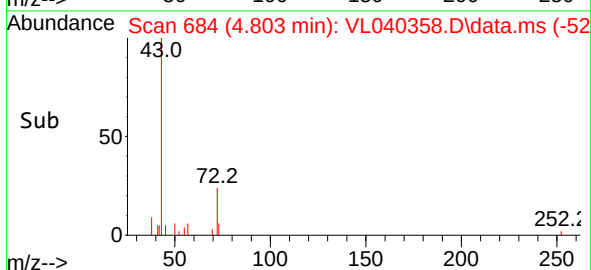
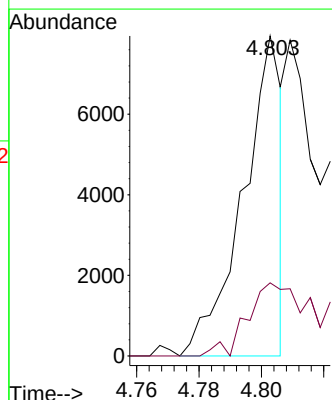
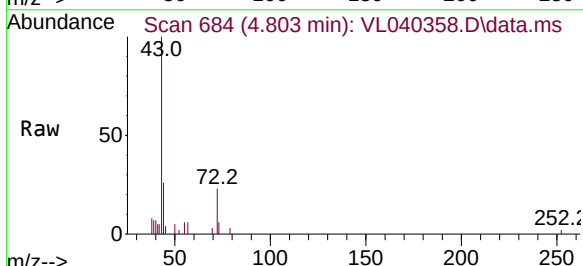
Acq: 13 Apr 2023 12:40

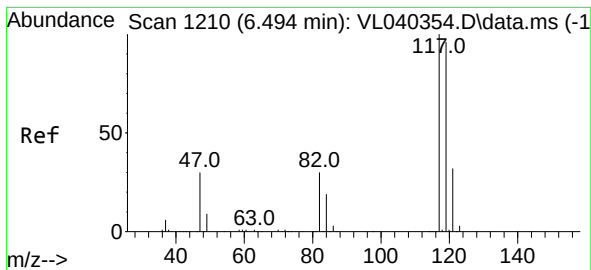
Tgt Ion: 43 Resp: 6832

Ion Ratio Lower Upper

43 100

72 46.9 18.4 27.6#





#35

Carbon Tetrachloride

Concen: 0.075 ppbv

RT: 6.494 min Scan# 1170

Delta R.T. 0.000 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.1

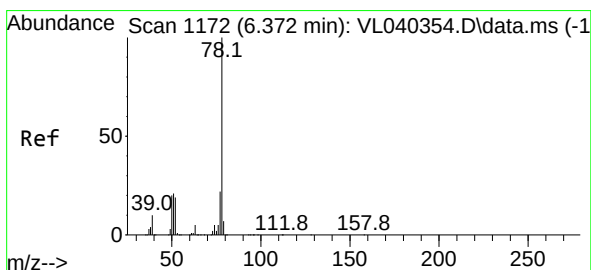
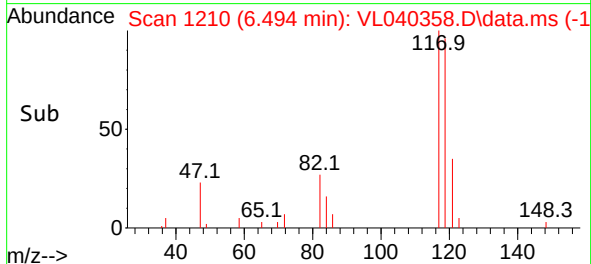
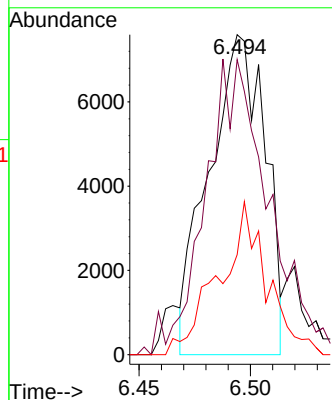
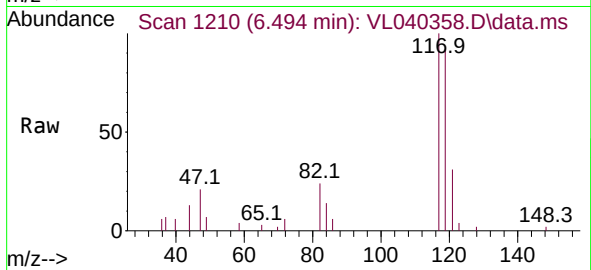
Tgt Ion:117 Resp: 13313

Ion Ratio Lower Upper

117 100

119 94.1 76.6 114.8

121 31.8 25.3 37.9



#36

Benzene

Concen: 0.048 ppbv

RT: 6.365 min Scan# 1170

Delta R.T. -0.006 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

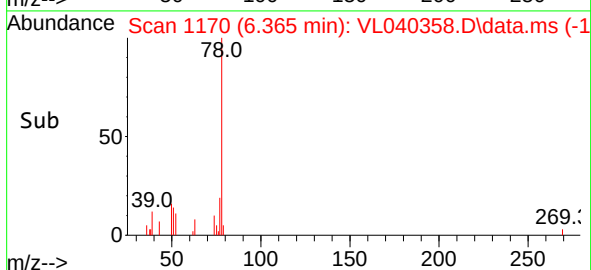
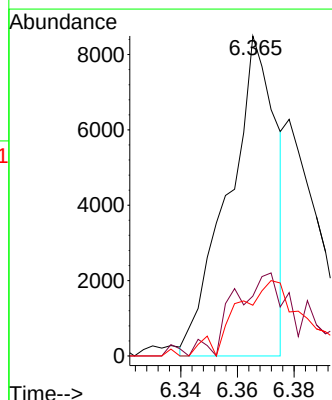
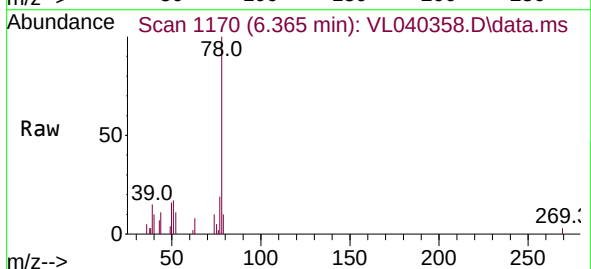
Tgt Ion: 78 Resp: 9926

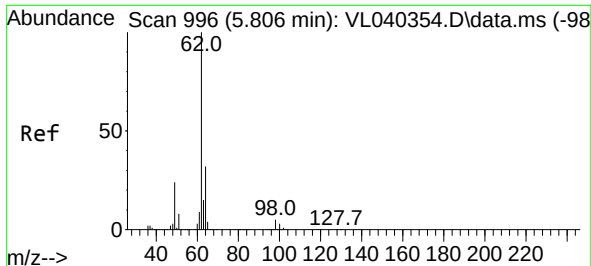
Ion Ratio Lower Upper

78 100

77 17.0 17.8 26.8#

50 16.3 15.6 23.4

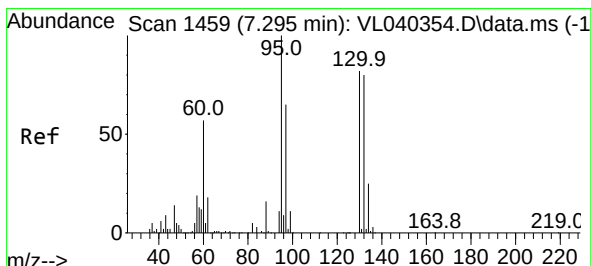
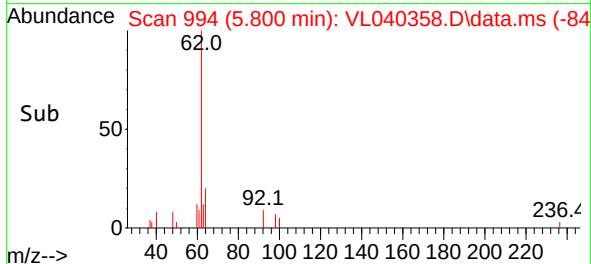
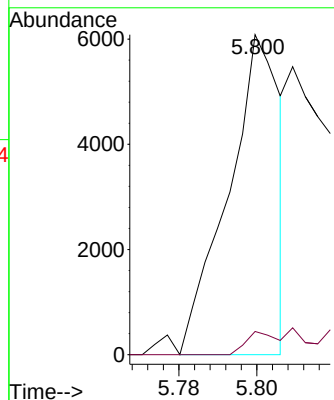
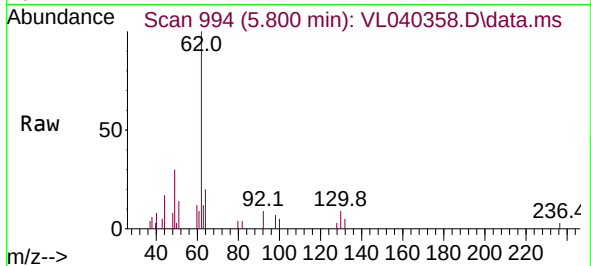




#37
1,2-Dichloroethane
Concen: 0.041 ppbv
RT: 5.800 min Scan# 996
Delta R.T. -0.006 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

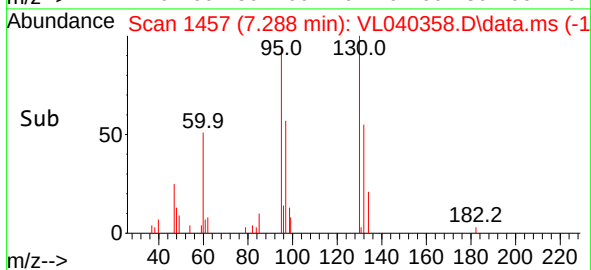
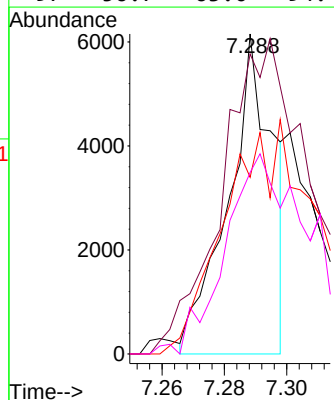
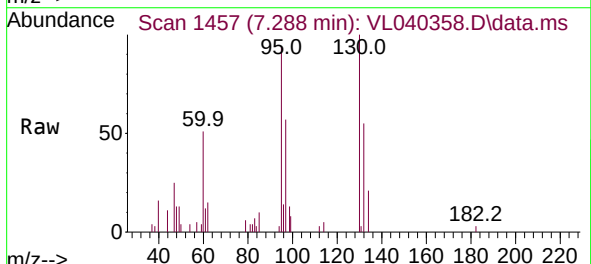
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

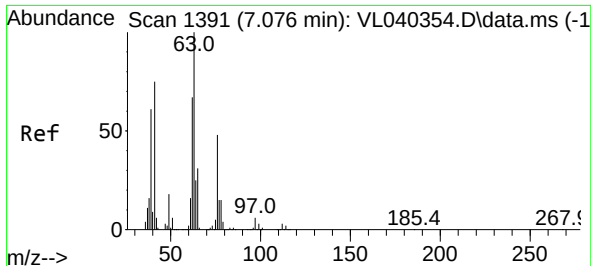
Tgt Ion: 62 Resp: 5580
Ion Ratio Lower Upper
62 100
98 0.0 4.4 6.6#



#38
Trichloroethene
Concen: 0.052 ppbv
RT: 7.288 min Scan# 1457
Delta R.T. -0.006 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Tgt Ion:130 Resp: 6088
Ion Ratio Lower Upper
130 100
95 77.1 97.4 146.0#
132 50.2 77.5 116.3#
97 56.7 63.0 94.4#





#39

1,2-Dichloropropane

Concen: 8.217 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.421 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

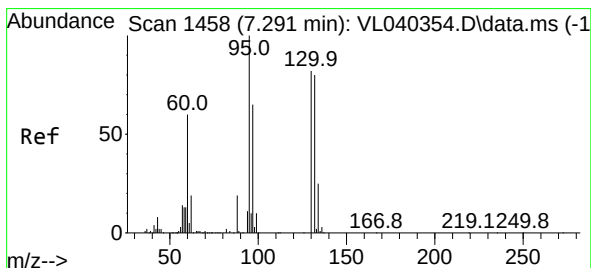
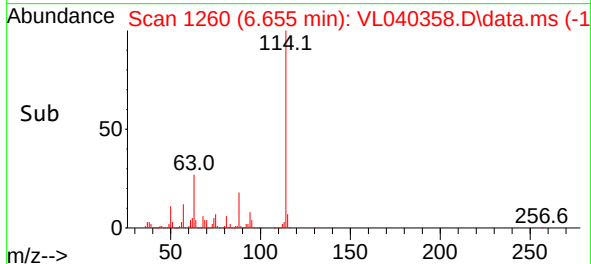
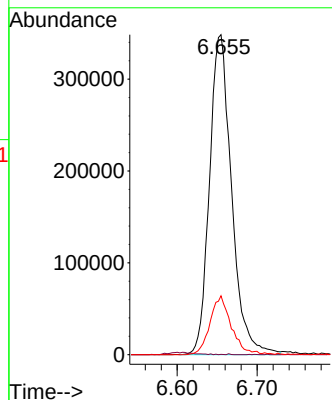
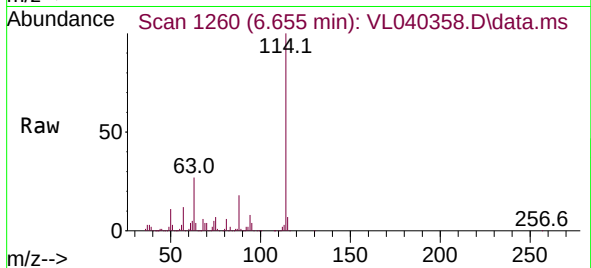
Tgt Ion: 63 Resp: 669609

Ion Ratio Lower Upper

63 100

41 0.1 59.6 89.4#

62 18.4 53.9 80.9#



#40

1,4-Dioxane

Concen: 0.002 ppbv

RT: 7.314 min Scan# 1465

Delta R.T. 0.023 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Tgt Ion: 88 Resp: 57

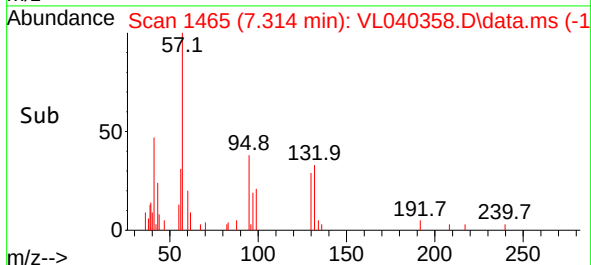
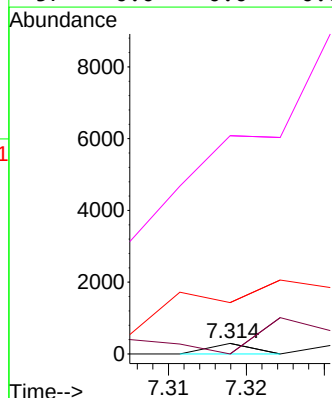
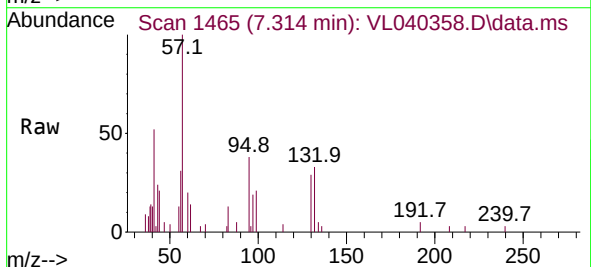
Ion Ratio Lower Upper

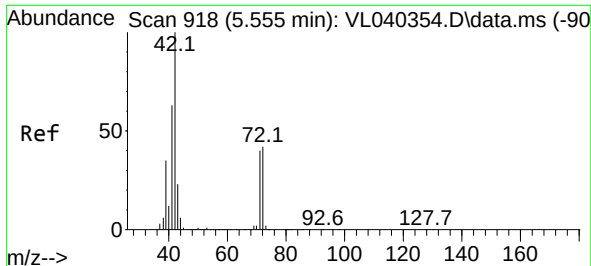
88 100

58 0.0 100.8 151.2#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

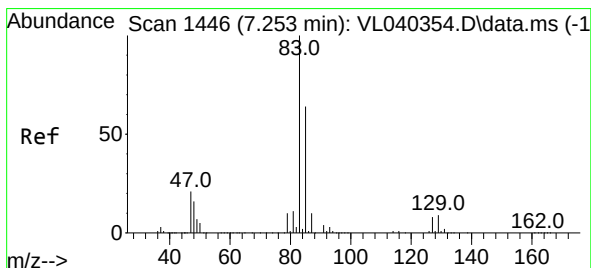
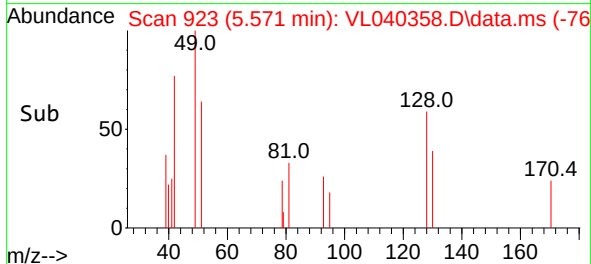
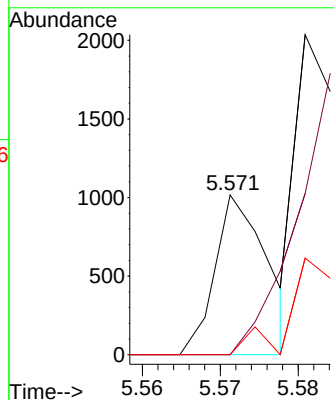
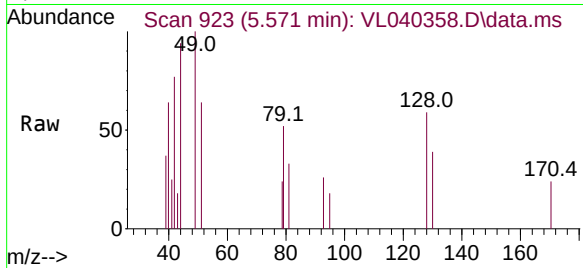




#41
Tetrahydrofuran
Concen: 0.006 ppbv
RT: 5.571 min Scan# 918
Delta R.T. 0.016 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

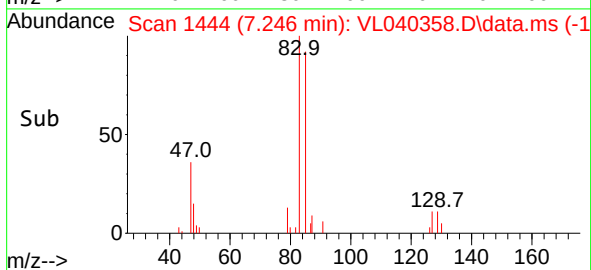
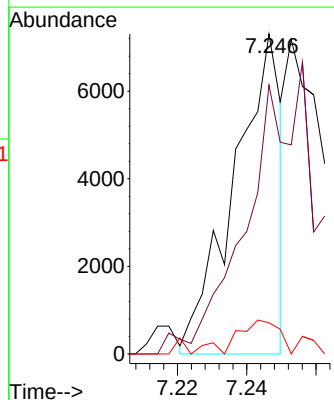
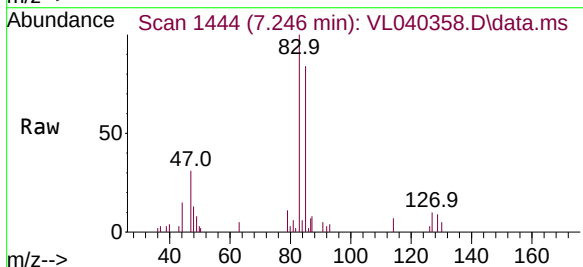
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

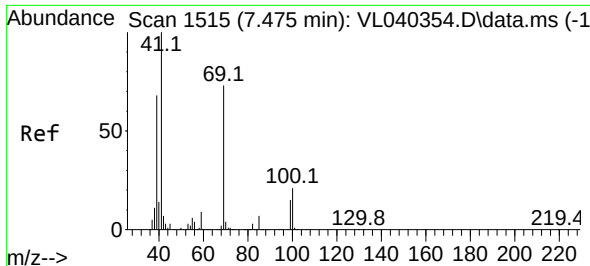
Tgt Ion: 42 Resp: 475
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.2 48.2#



#42
Bromodichloromethane
Concen: 0.037 ppbv
RT: 7.246 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Tgt Ion: 83 Resp: 6838
Ion Ratio Lower Upper
83 100
85 81.4 50.9 76.3#
127 4.9 6.4 9.6#

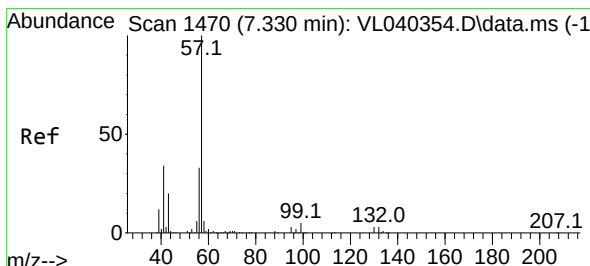
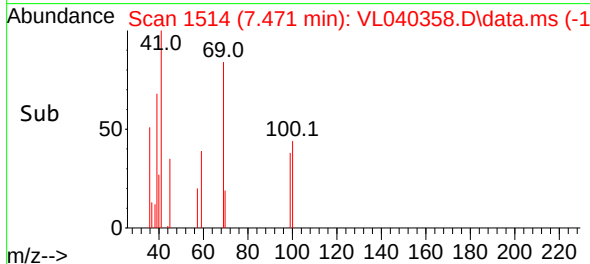
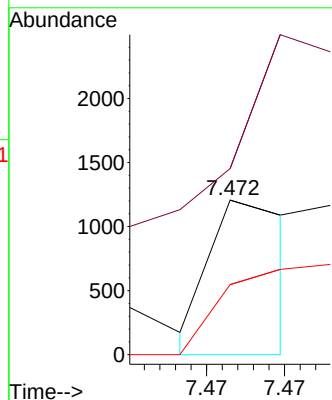
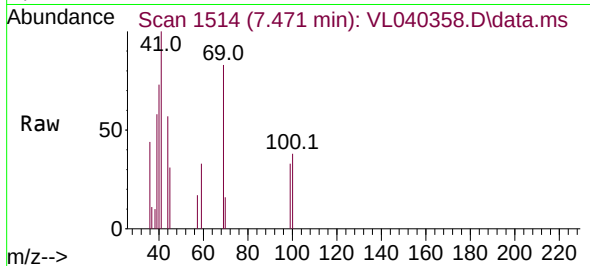




#43
Methyl Methacrylate
Concen: 0.006 ppbv
RT: 7.471 min Scan# 1515
Delta R.T. -0.003 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

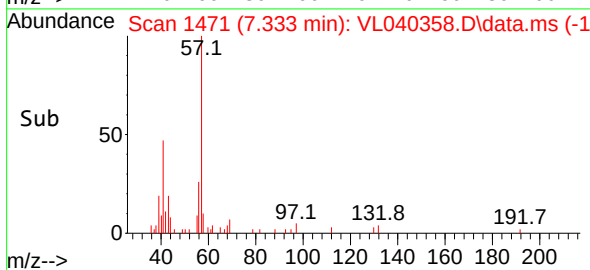
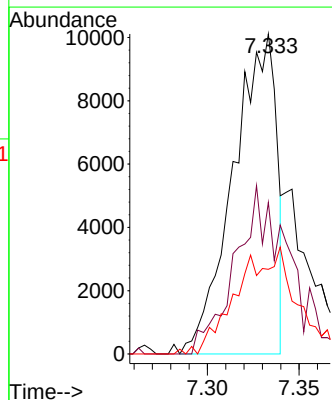
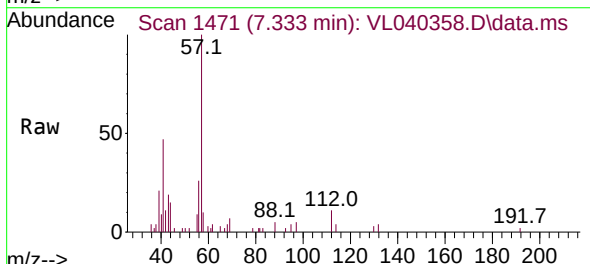
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

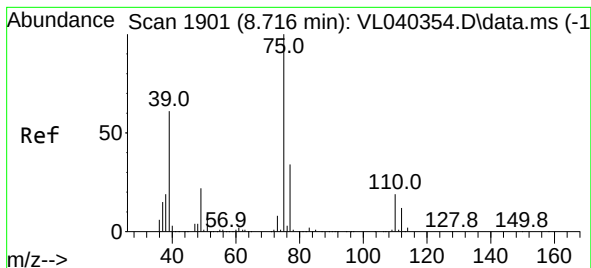
Tgt Ion: 69 Resp: 443
Ion Ratio Lower Upper
69 100
41 0.0 114.3 171.5#
100 0.0 24.5 36.7#



#44
2,2,4-Trimethylpentane
Concen: 0.048 ppbv
RT: 7.333 min Scan# 1471
Delta R.T. 0.003 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Tgt Ion: 57 Resp: 16634
Ion Ratio Lower Upper
57 100
41 66.6 26.9 40.3#
56 0.0 25.1 37.7#





#45

t-1,3-Dichloropropene

Concen: 0.015 ppbv

RT: 8.735 min Scan# 1907

Delta R.T. 0.019 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_L

ClientSampleId :

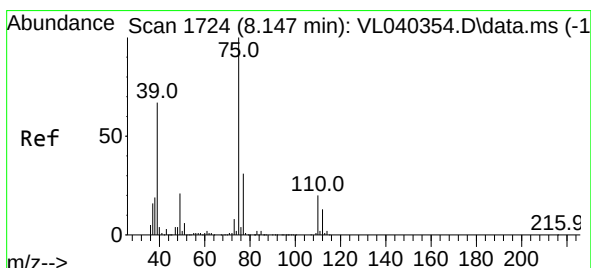
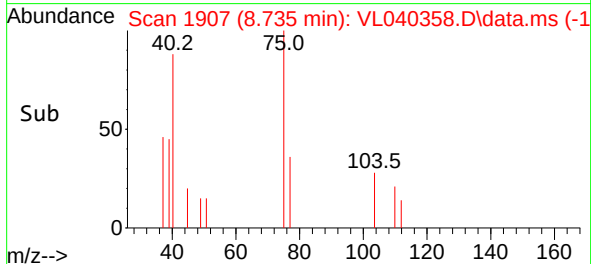
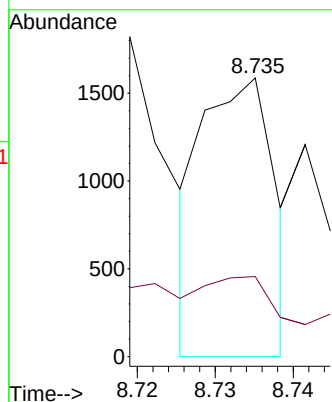
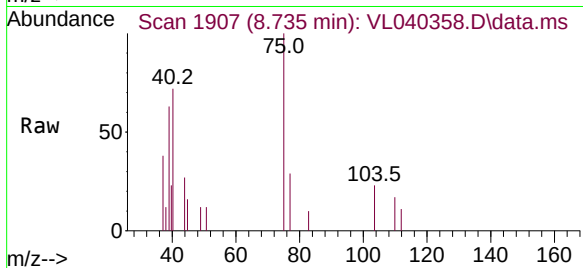
VSTDIC0.1

Tgt Ion: 75 Resp: 1019

Ion Ratio Lower Upper

75 100

77 28.7 26.8 40.2



#46

cis-1,3-Dichloropropene

Concen: 0.021 ppbv

RT: 8.150 min Scan# 1725

Delta R.T. 0.003 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

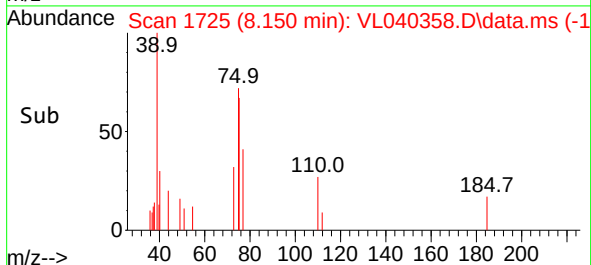
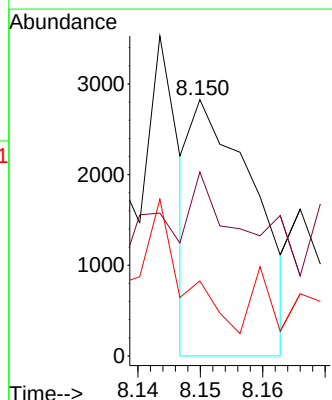
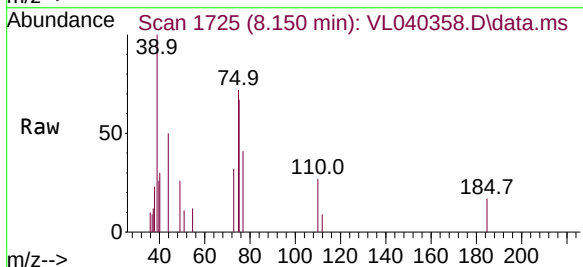
Tgt Ion: 75 Resp: 1981

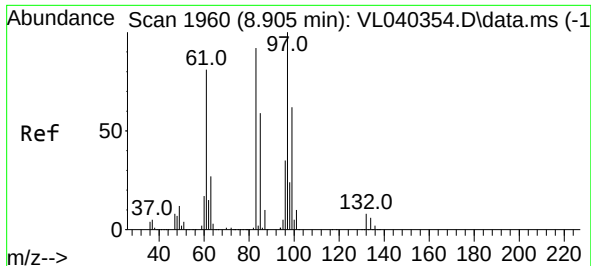
Ion Ratio Lower Upper

75 100

39 76.1 53.4 80.2

77 32.5 24.7 37.1





#47

1,1,2-Trichloroethane

Concen: 0.033 ppbv

RT: 8.899 min Scan# 1960

Delta R.T. -0.006 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 97 Resp: 2965

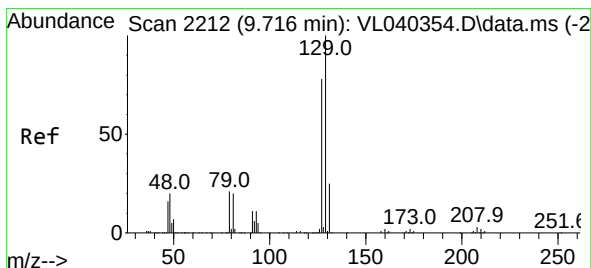
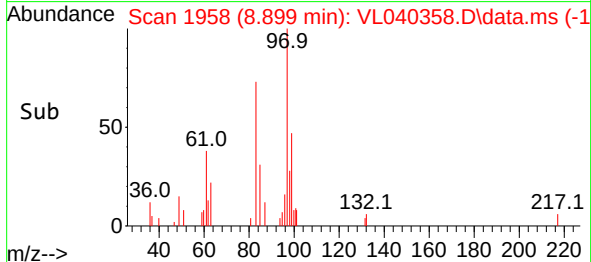
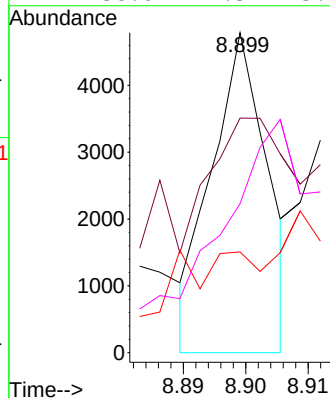
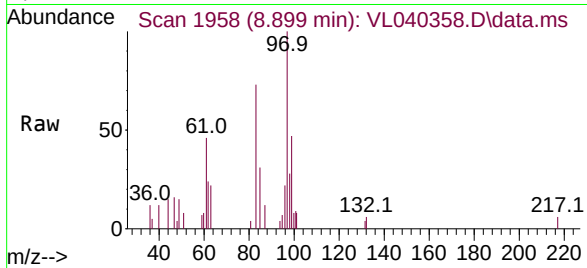
Ion Ratio Lower Upper

97 100

83 53.9 73.3 109.9#

85 0.3 46.9 70.3#

99 38.0 49.3 73.9#



#48

Dibromochloromethane

Concen: 0.021 ppbv

RT: 9.713 min Scan# 2211

Delta R.T. -0.003 min

Lab File: VL040358.D

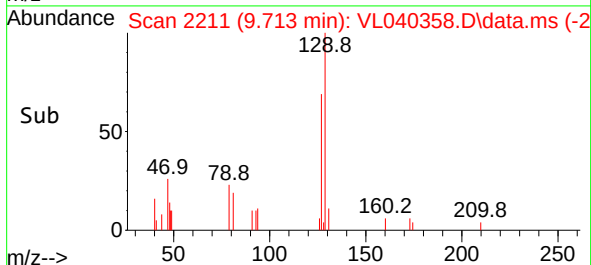
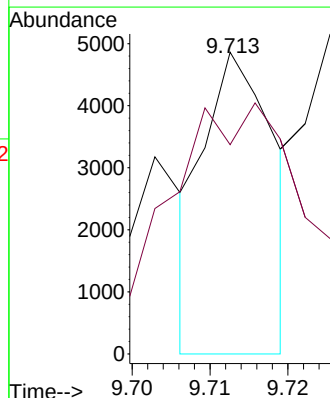
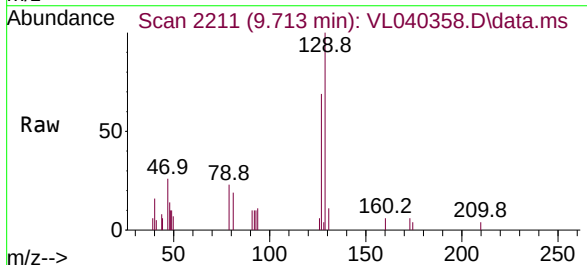
Acq: 13 Apr 2023 12:40

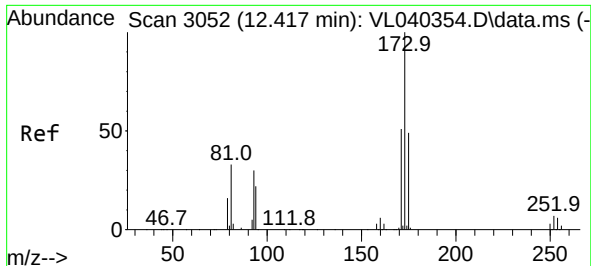
Tgt Ion: 129 Resp: 3022

Ion Ratio Lower Upper

129 100

127 252.5 39.2 117.6#

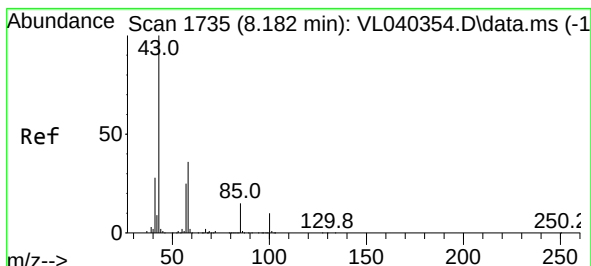
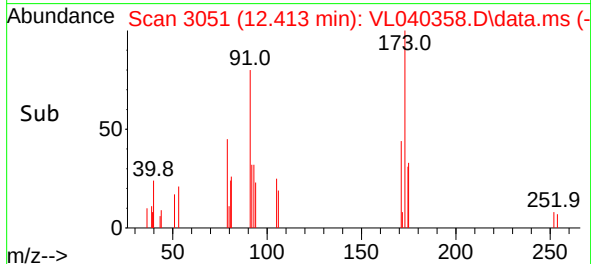
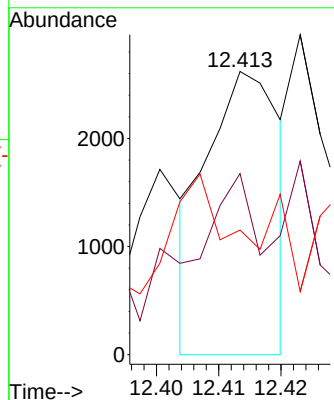
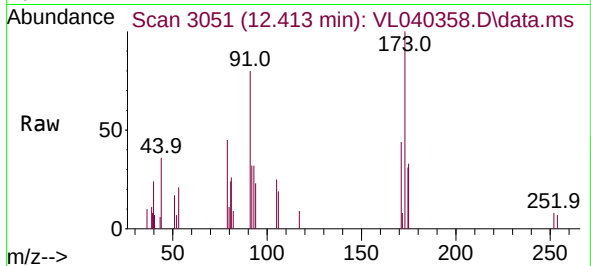




#49
Bromoform
Concen: 0.019 ppbv
RT: 12.413 min Scan# 3051
Delta R.T. -0.003 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

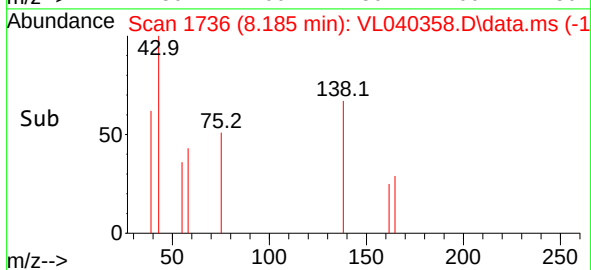
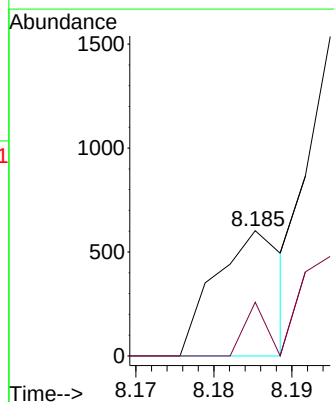
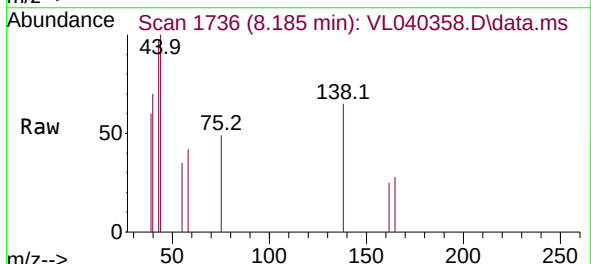
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

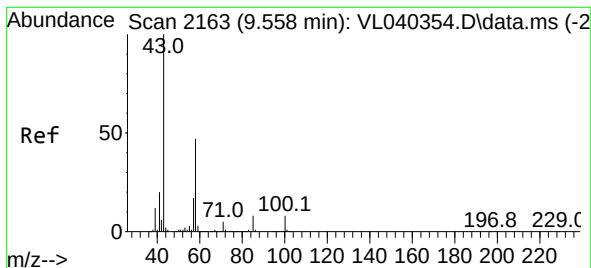
Tgt Ion:173 Resp: 2139
Ion Ratio Lower Upper
173 100
175 0.0 39.8 59.8#
171 162.2 42.2 63.2#



#50
4-Methyl-2-Pentanone
Concen: 0.002 ppbv
RT: 8.185 min Scan# 1736
Delta R.T. 0.003 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Tgt Ion: 43 Resp: 364
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#





#51

2-Hexanone

Concen: 0.001 ppbv

RT: 9.558 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

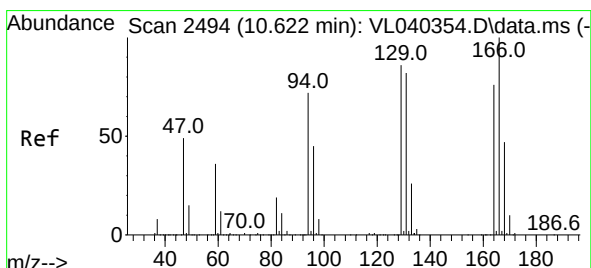
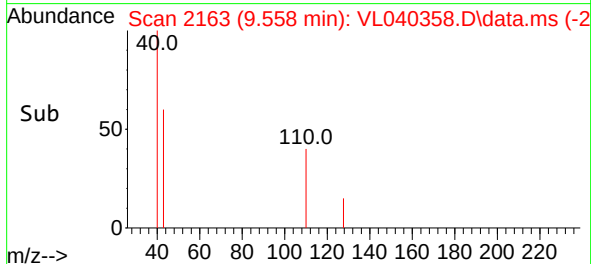
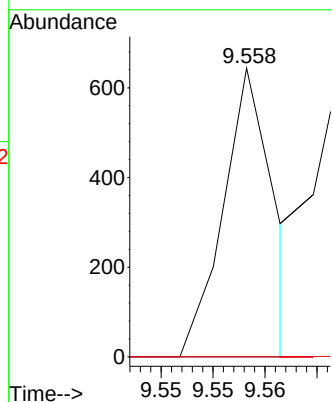
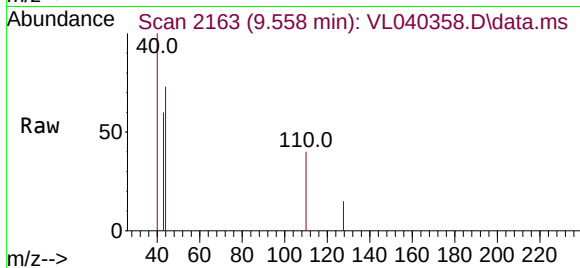
Tgt Ion: 43 Resp: 220

Ion Ratio Lower Upper

43 100

58 0.0 38.3 57.5#

98 0.0 0.4 0.6#



#52

Tetrachloroethene

Concen: 0.039 ppbv

RT: 10.619 min Scan# 2493

Delta R.T. -0.003 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Tgt Ion: 164 Resp: 2523

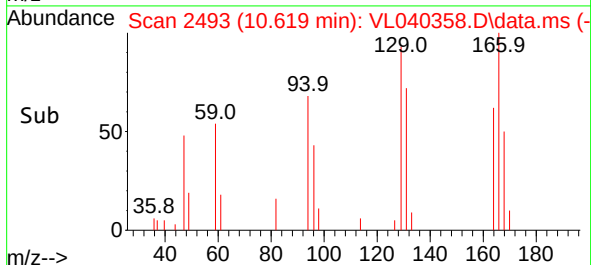
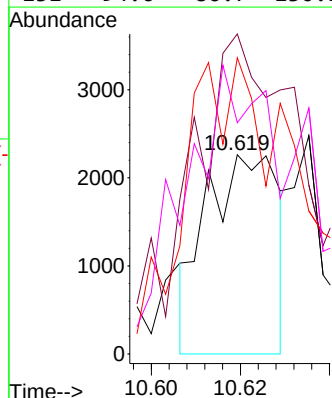
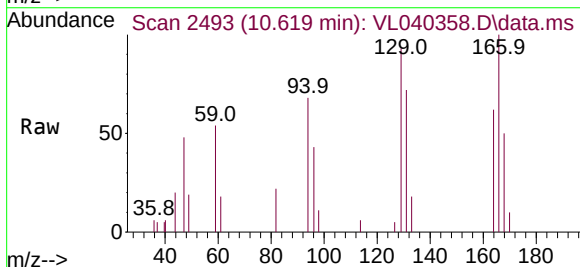
Ion Ratio Lower Upper

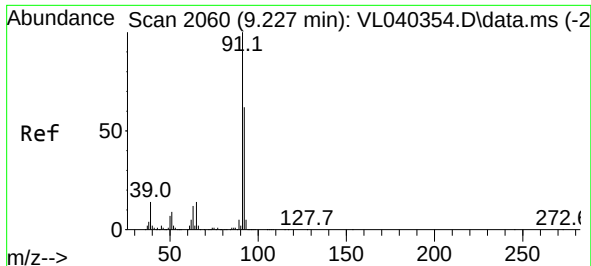
164 100

166 152.5 105.2 157.8

129 173.4 90.3 135.5#

131 94.6 86.7 130.1

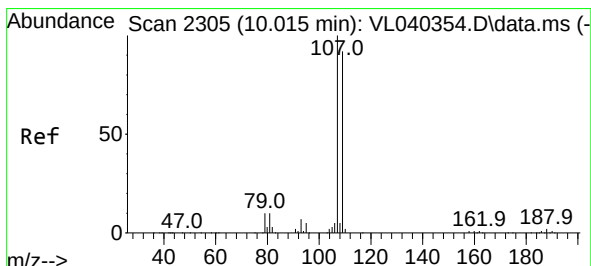
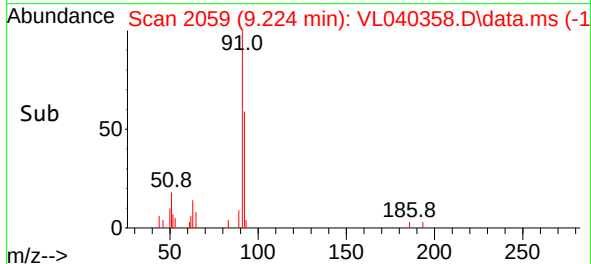
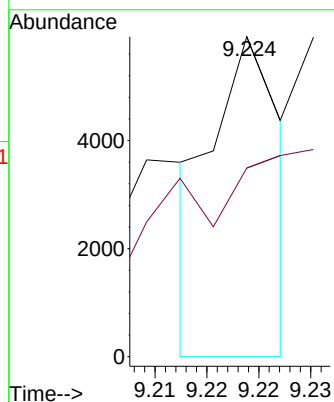
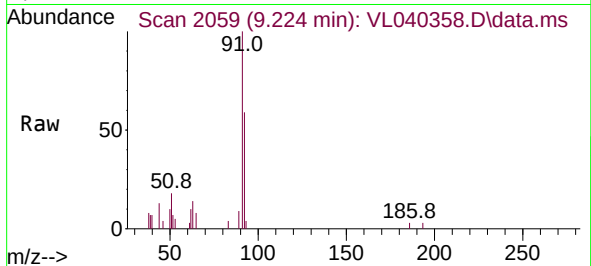




#53
Toluene
Concen: 0.012 ppbv
RT: 9.224 min Scan# 2060
Delta R.T. -0.003 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

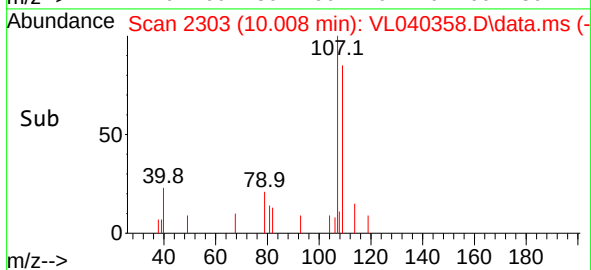
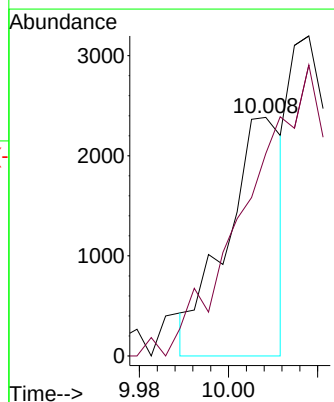
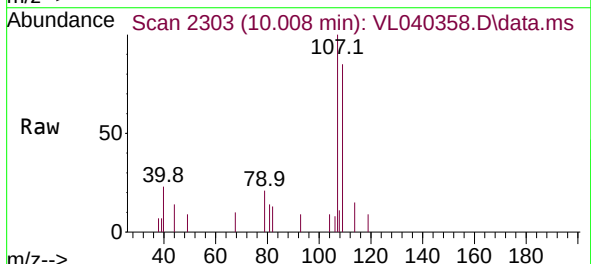
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

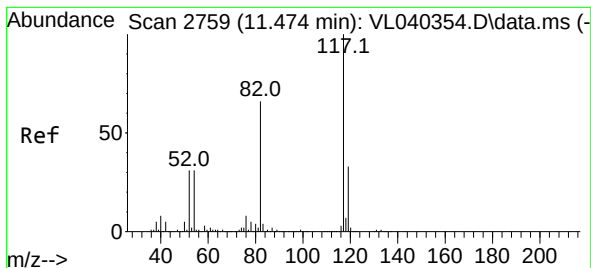
Tgt Ion: 91 Resp: 2721
Ion Ratio Lower Upper
91 100
92 0.0 48.9 73.3#



#54
1,2-Dibromoethane
Concen: 0.023 ppbv
RT: 10.008 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Tgt Ion: 107 Resp: 2078
Ion Ratio Lower Upper
107 100
109 89.5 73.6 110.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.475 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

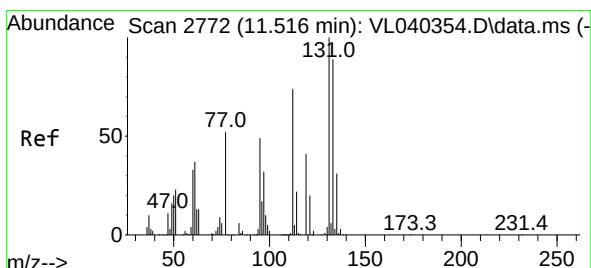
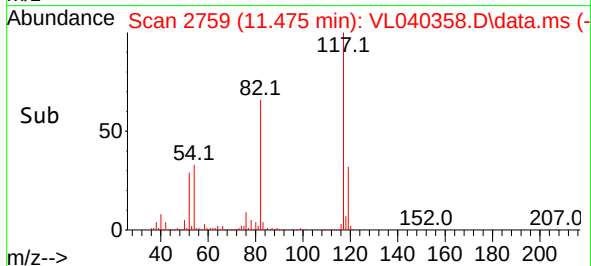
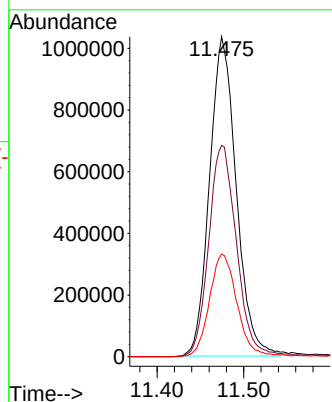
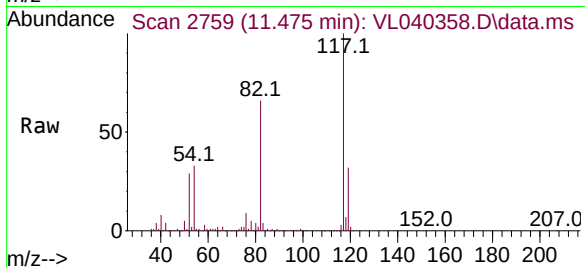
Tgt Ion:117 Resp: 2221996

Ion Ratio Lower Upper

117 100

82 69.9 52.5 78.7

119 33.7 24.3 36.5



#56

1,1,1,2-Tetrachloroethane

Concen: 0.081 ppbv

RT: 11.520 min Scan# 2773

Delta R.T. 0.003 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

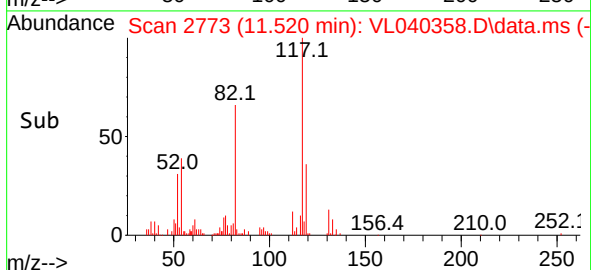
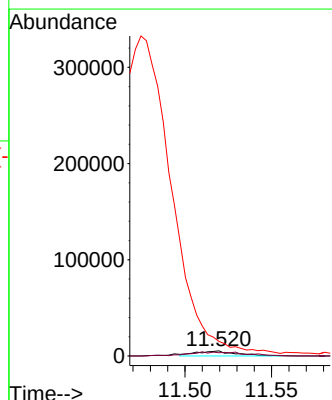
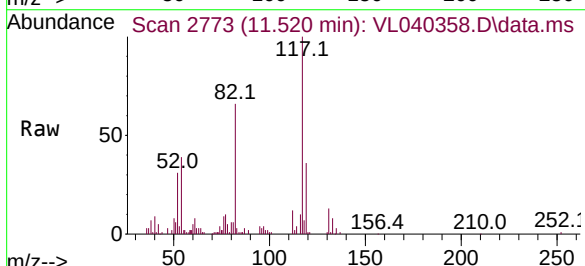
Tgt Ion:131 Resp: 8239

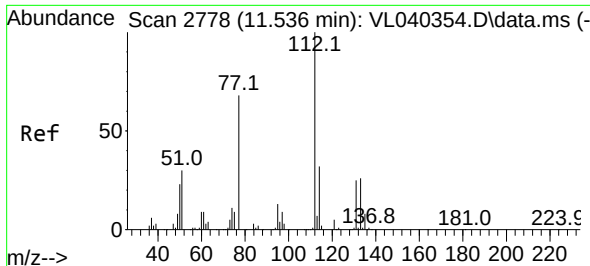
Ion Ratio Lower Upper

131 100

133 112.8 75.3 112.9

119 0.0 53.9 80.9#

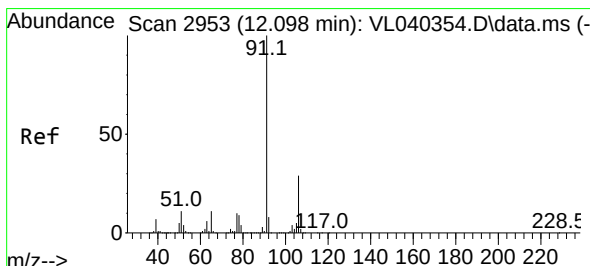
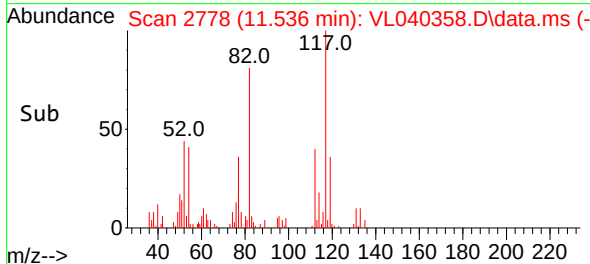
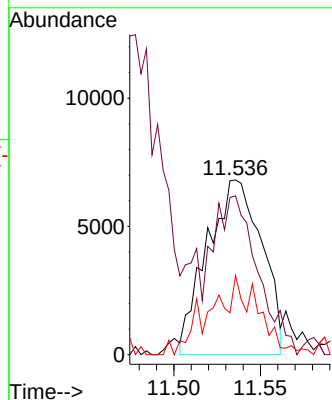
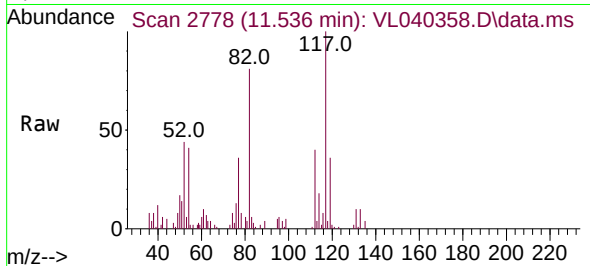




#57
Chlorobenzene
Concen: 0.086 ppbv
RT: 11.536 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

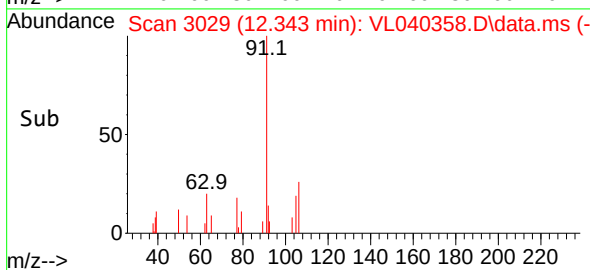
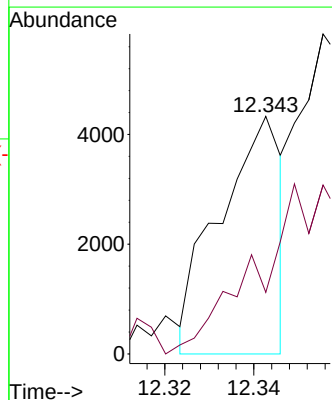
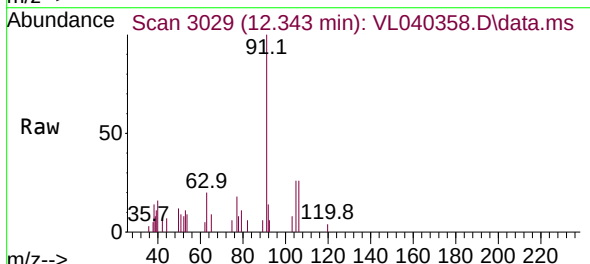
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

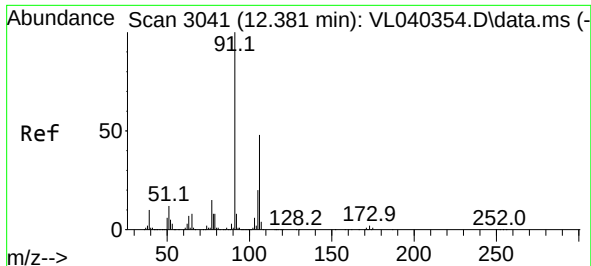
Tgt Ion:112 Resp: 14993
Ion Ratio Lower Upper
112 100
77 70.2 55.8 83.8
114 44.3 29.1 35.5#



#58
Ethyl Benzene
Concen: 0.015 ppbv
RT: 12.343 min Scan# 3029
Delta R.T. 0.244 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Tgt Ion: 91 Resp: 4181
Ion Ratio Lower Upper
91 100
106 25.1 23.5 35.3





#59

m/p-Xylene

Concen: 0.024 ppbv

RT: 12.384 min Scan# 3042

Delta R.T. 0.003 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_1

ClientSampleId :

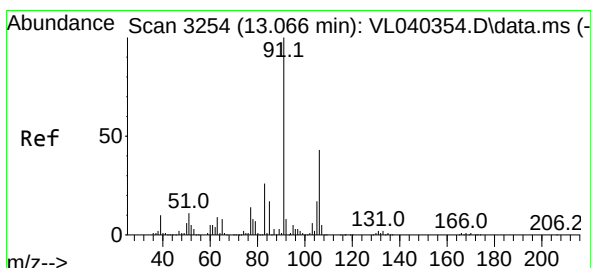
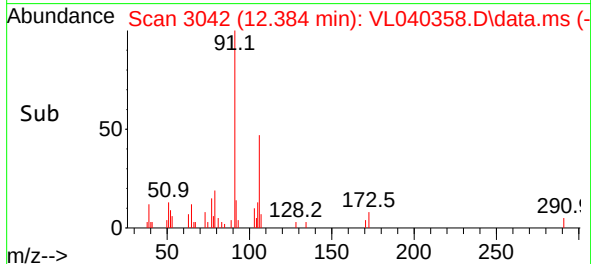
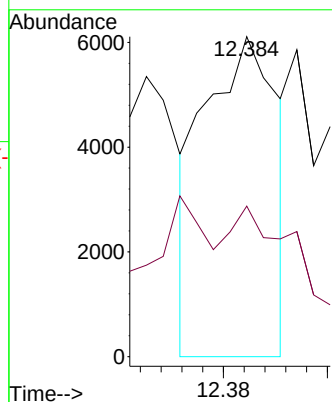
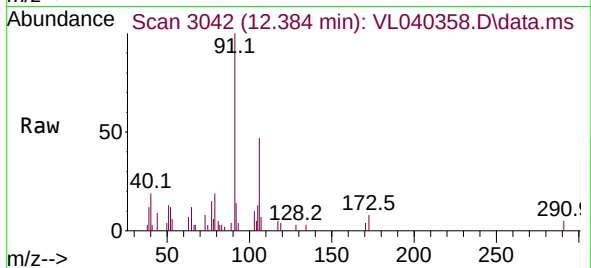
VSTDIC0.1

Tgt Ion: 91 Resp: 5996

Ion Ratio Lower Upper

91 100

106 90.8 34.7 52.1#



#60

o-Xylene

Concen: 0.011 ppbv

RT: 13.066 min Scan# 3254

Delta R.T. 0.000 min

Lab File: VL040358.D

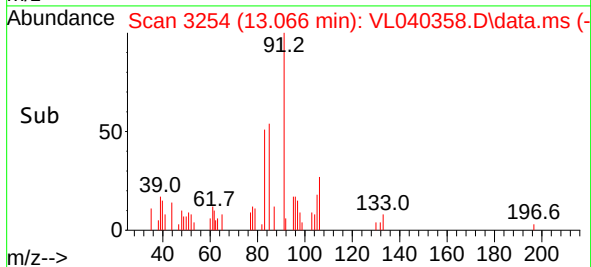
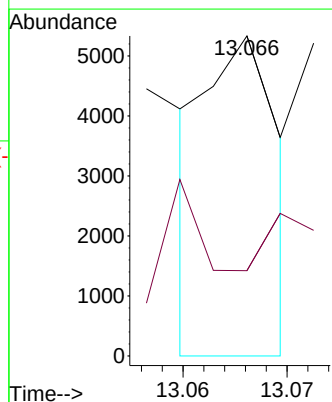
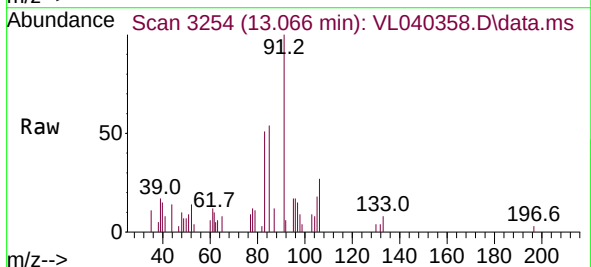
Acq: 13 Apr 2023 12:40

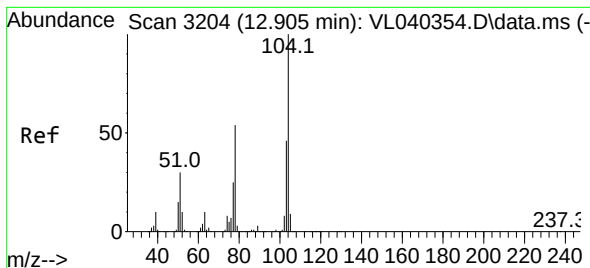
Tgt Ion: 91 Resp: 2595

Ion Ratio Lower Upper

91 100

106 0.0 21.9 65.8#





#61

Styrene

Concen: 0.009 ppbv

RT: 12.909 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

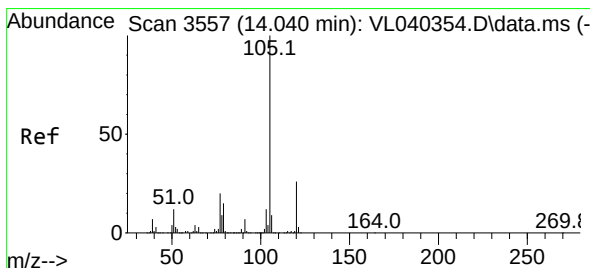
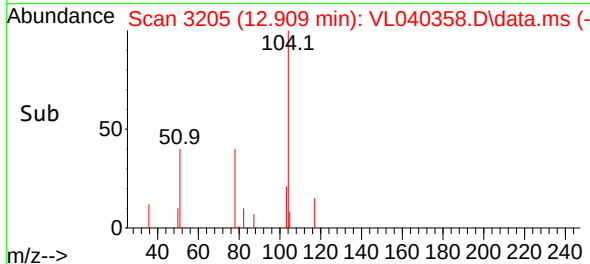
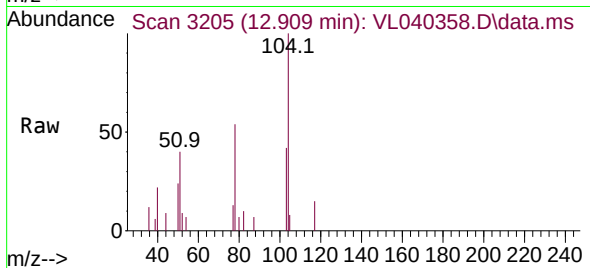
Tgt Ion:104 Resp: 1070

Ion Ratio Lower Upper

104 100

78 0.0 43.4 65.0#

103 263.2 37.0 55.4#



#62

Isopropylbenzene

Concen: 0.037 ppbv

RT: 14.037 min Scan# 3556

Delta R.T. -0.003 min

Lab File: VL040358.D

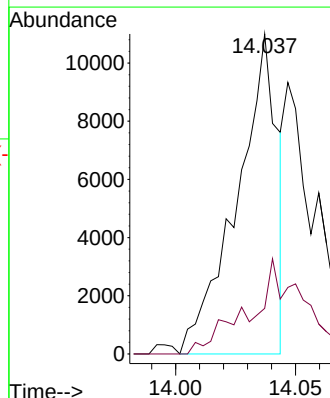
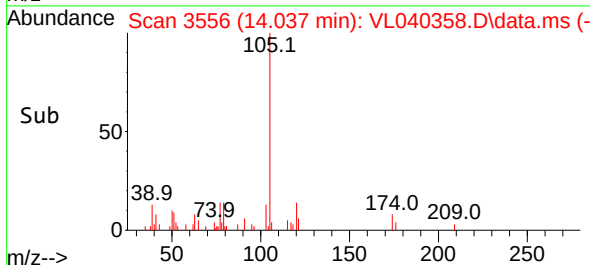
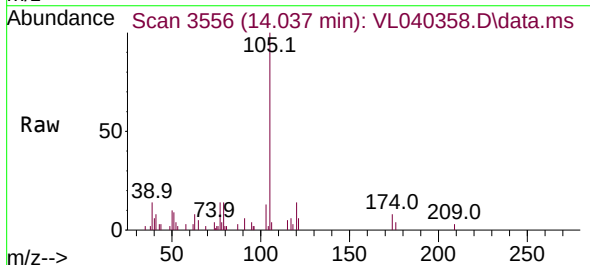
Acq: 13 Apr 2023 12:40

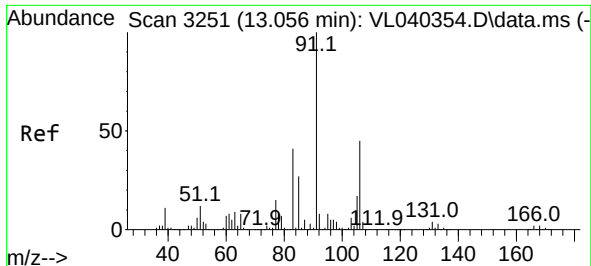
Tgt Ion:105 Resp: 12844

Ion Ratio Lower Upper

105 100

120 40.5 19.9 29.9#

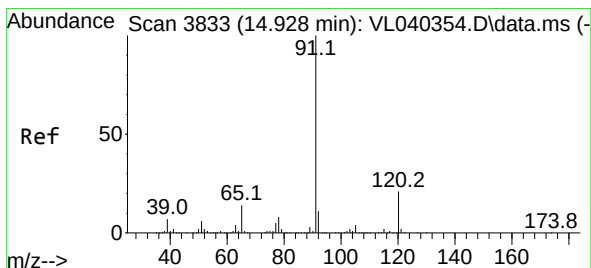
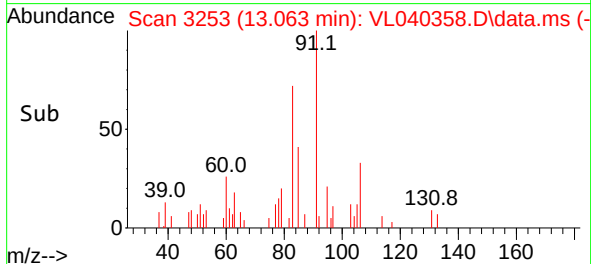
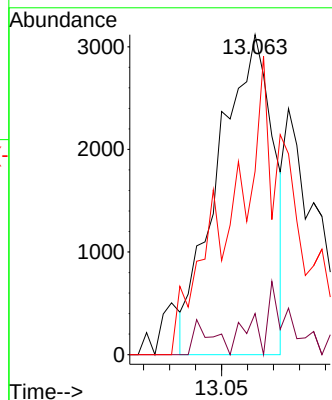
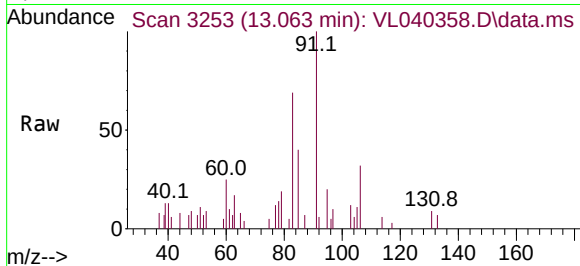




#63
1,1,2,2-Tetrachloroethane
Concen: 0.052 ppbv
RT: 13.063 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

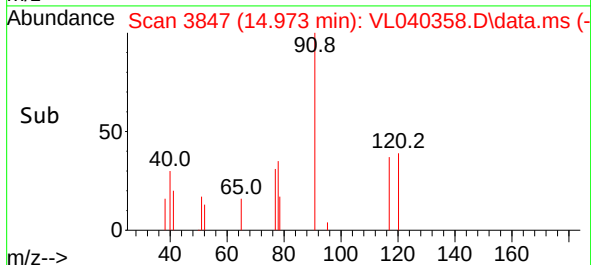
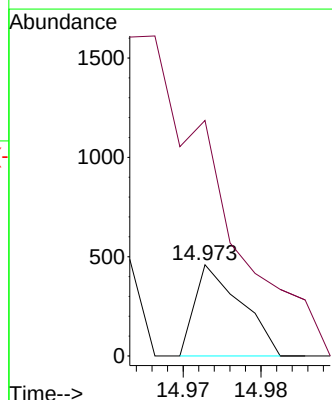
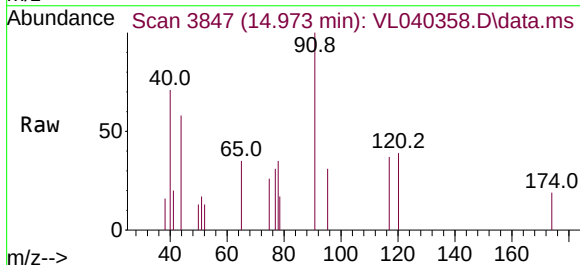
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

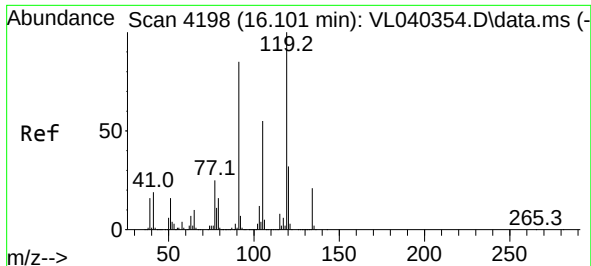
Tgt Ion: 83 Resp: 4590
Ion Ratio Lower Upper
83 100
131 16.6 4.3 13.1#
85 116.3 32.9 98.6#



#64
n-propylbenzene
Concen: 0.002 ppbv
RT: 14.973 min Scan# 3847
Delta R.T. 0.045 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Tgt Ion: 120 Resp: 190
Ion Ratio Lower Upper
120 100
91 419.5 397.4 596.0

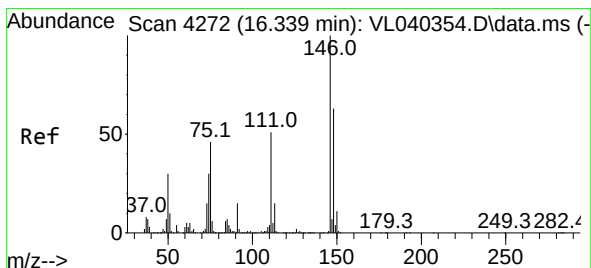
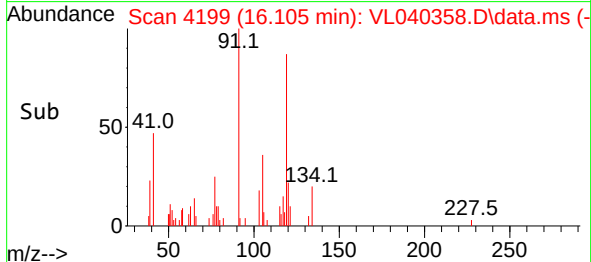
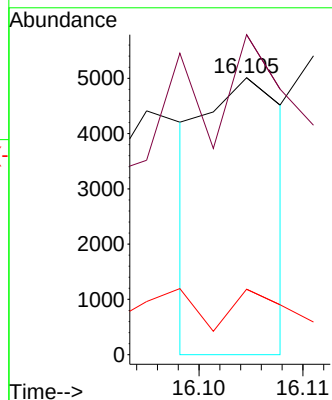
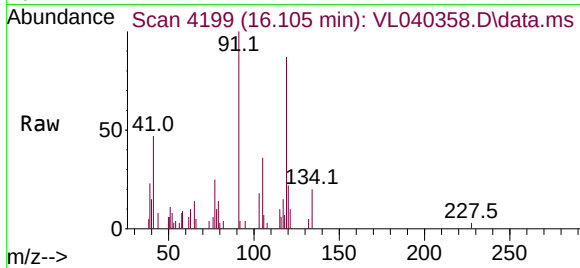




#65
tert-Butylbenzene
Concen: 0.009 ppbv
RT: 16.105 min Scan# 4199
Delta R.T. 0.003 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

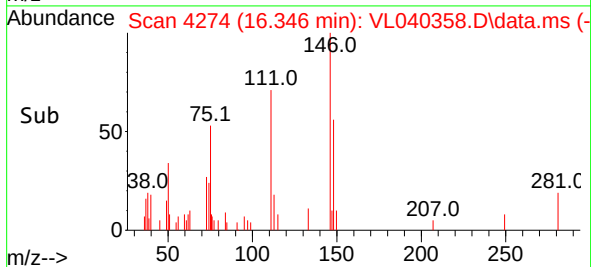
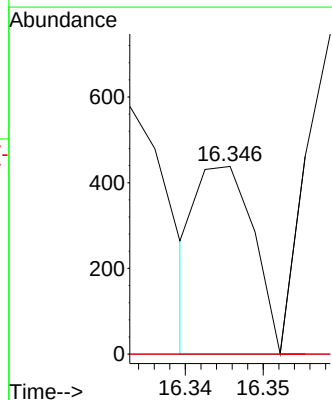
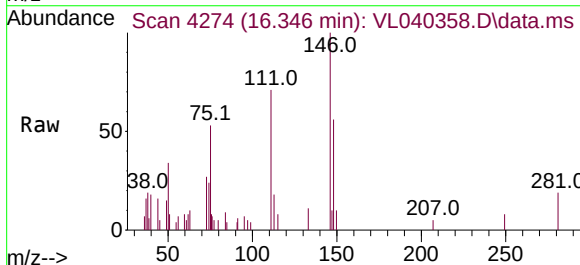
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

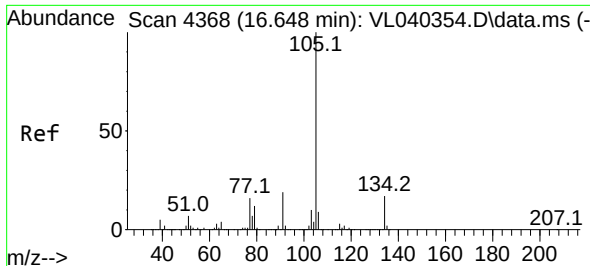
Tgt Ion:119 Resp: 2685
Ion Ratio Lower Upper
119 100
91 530.3 70.1 105.1#
134 0.0 15.6 23.4#



#66
Benzyl Chloride
Concen: 0.012 ppbv
RT: 16.346 min Scan# 4274
Delta R.T. 0.006 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Tgt Ion: 91 Resp: 223
Ion Ratio Lower Upper
91 100
126 0.0 12.3 18.5#
128 0.0 4.1 6.1#





#67

sec-Butylbenzene

Concen: 0.023 ppbv

RT: 16.645 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_1

ClientSampleId :

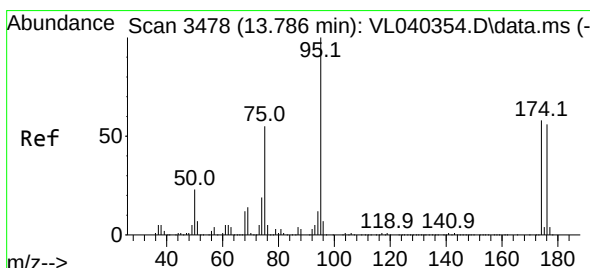
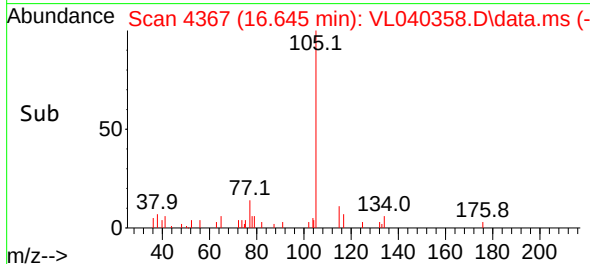
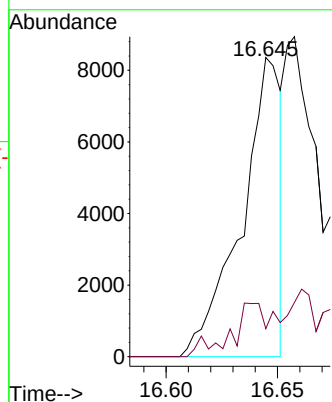
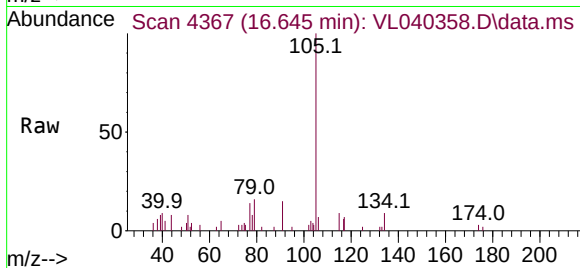
VSTDIC0.1

Tgt Ion:105 Resp: 10223

Ion Ratio Lower Upper

105 100

134 0.0 13.8 20.6#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.146 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. 0.000 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

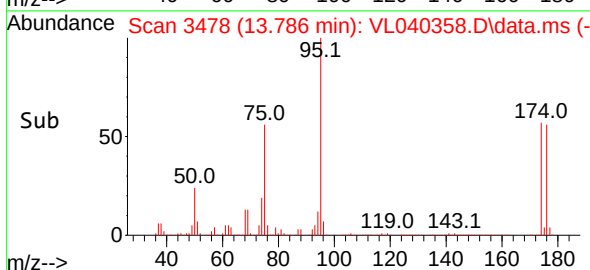
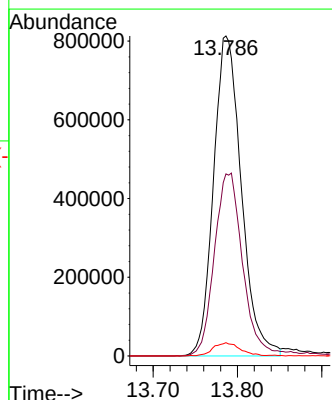
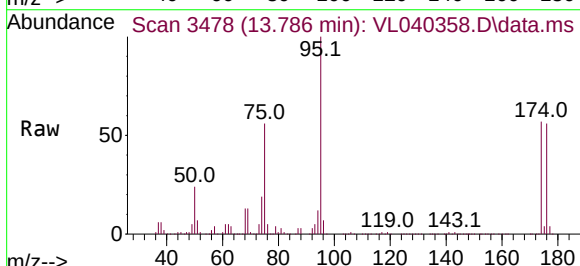
Tgt Ion: 95 Resp: 1864212

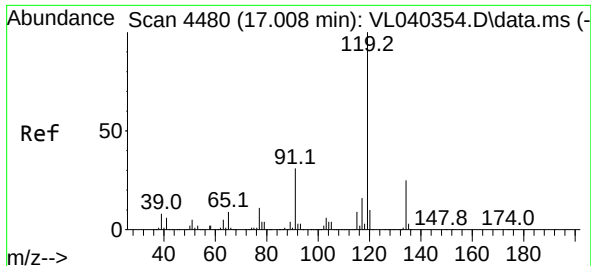
Ion Ratio Lower Upper

95 100

174 59.9 47.2 70.8

175 4.2 3.5 5.3

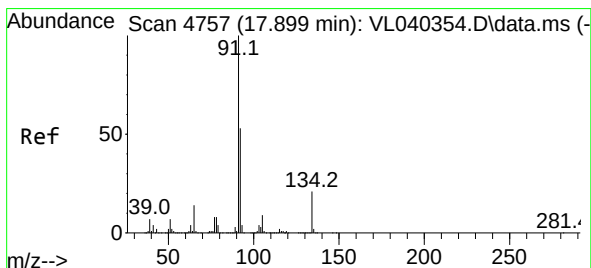
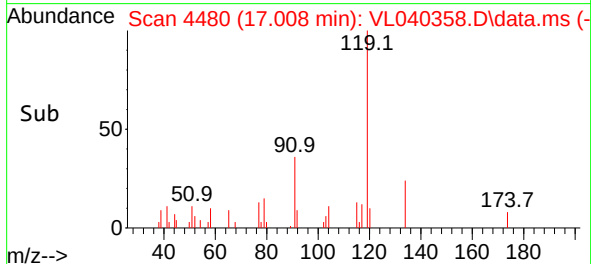
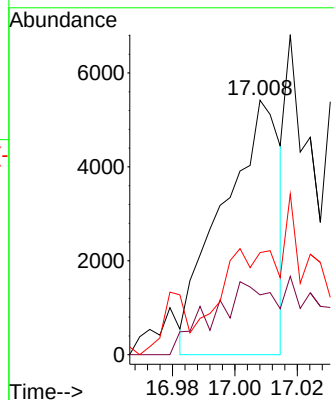
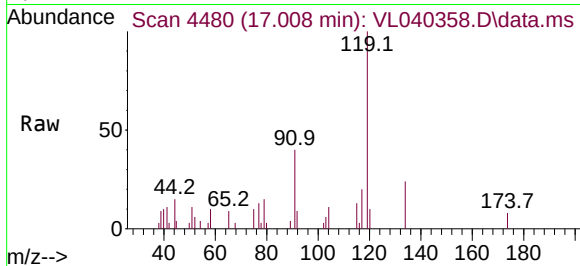




#69
 p-Isopropyltoluene
 Concen: 0.020 ppbv
 RT: 17.008 min Scan# 4480
 Delta R.T. 0.000 min
 Lab File: VL040358.D
 Acq: 13 Apr 2023 12:40

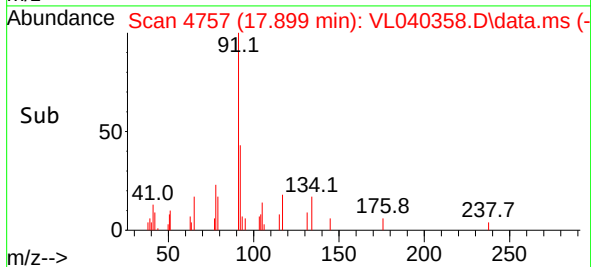
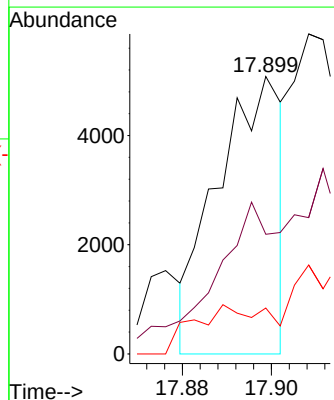
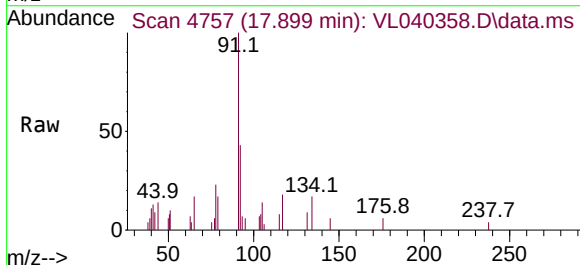
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

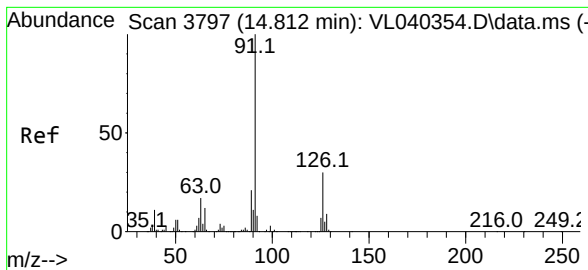
Tgt Ion: 119 Resp: 6912
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.2 30.4#
 91 0.0 25.7 38.5#



#70
 n-Butylbenzene
 Concen: 0.013 ppbv
 RT: 17.899 min Scan# 4757
 Delta R.T. 0.000 min
 Lab File: VL040358.D
 Acq: 13 Apr 2023 12:40

Tgt Ion: 91 Resp: 5110
 Ion Ratio Lower Upper
 91 100
 92 0.0 43.0 64.4#
 134 0.0 16.6 25.0#

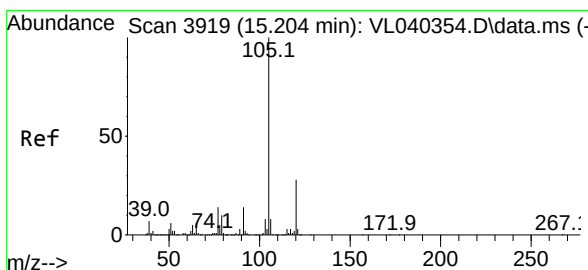
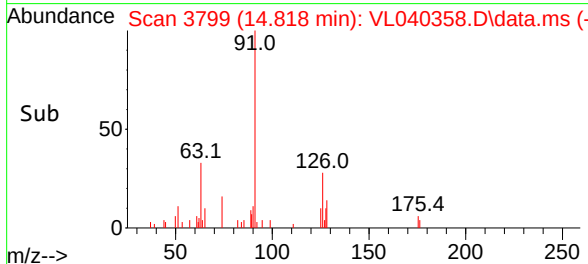
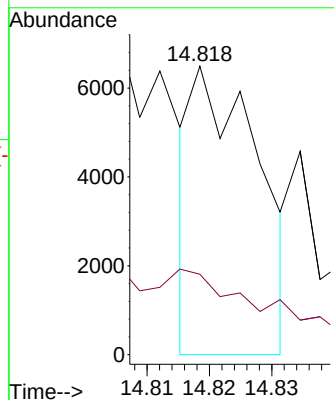
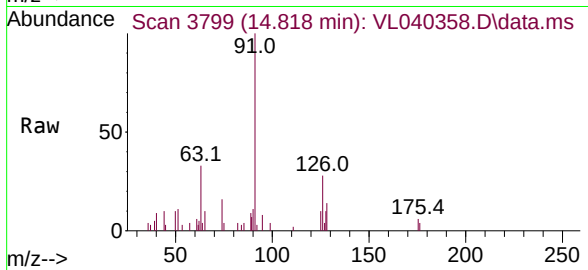




#71
2-Chlorotoluene
Concen: 0.018 ppbv
RT: 14.818 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

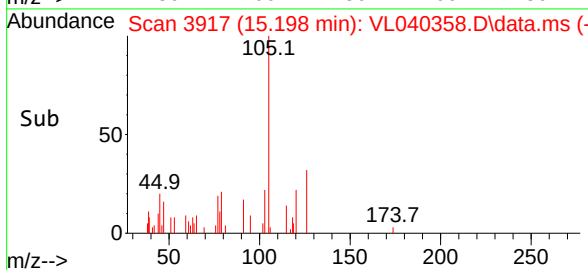
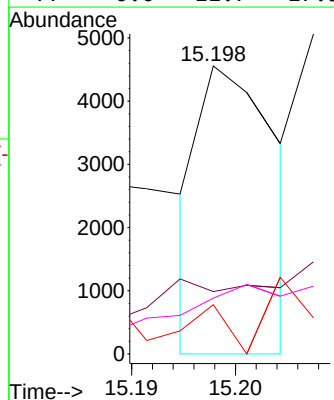
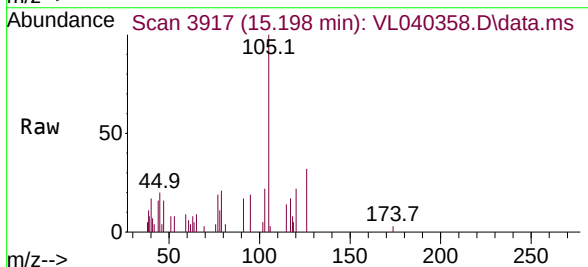
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

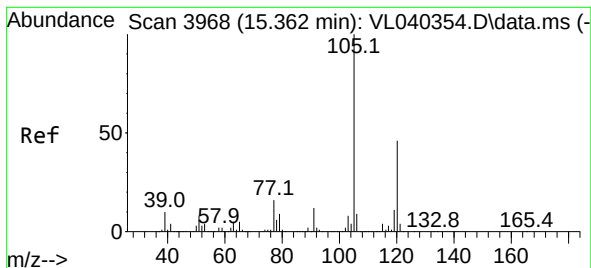
Tgt Ion: 91 Resp: 4783
Ion Ratio Lower Upper
91 100
126 0.0 11.8 47.4#



#72
4-Ethyltoluene
Concen: 0.009 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. -0.006 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Tgt Ion: 105 Resp: 2320
Ion Ratio Lower Upper
105 100
120 0.0 23.0 34.6#
91 0.0 11.3 16.9#
77 0.0 11.7 17.5#





#73

1,3,5-Trimethylbenzene

Concen: 0.018 ppbv

RT: 15.365 min Scan# 3969

Delta R.T. 0.003 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_1

ClientSampleId :

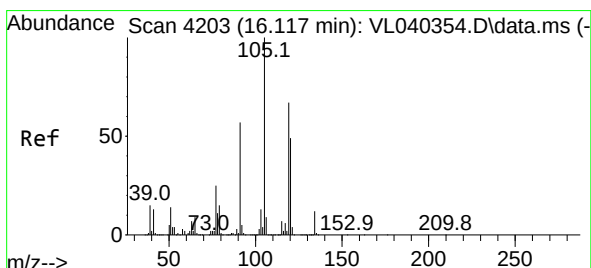
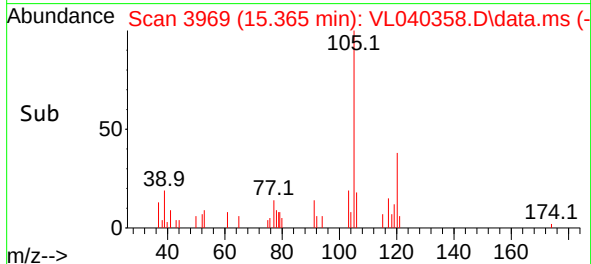
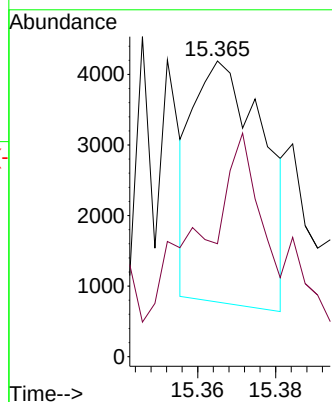
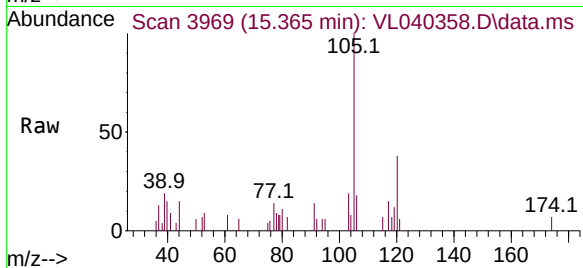
VSTDIC0.1

Tgt Ion:105 Resp: 4308

Ion Ratio Lower Upper

105 100

120 34.8 36.9 55.3#



#74

1,2,4-Trimethylbenzene

Concen: 0.018 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. 0.000 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Tgt Ion:105 Resp: 4960

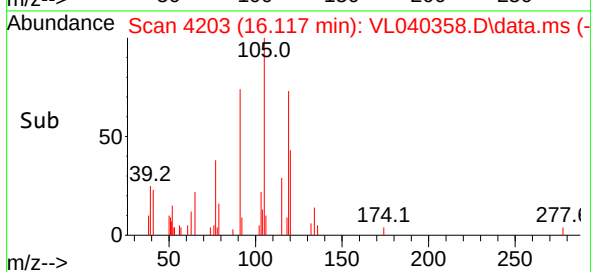
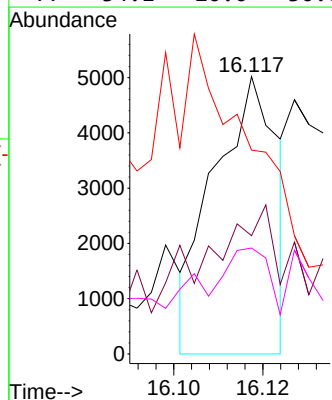
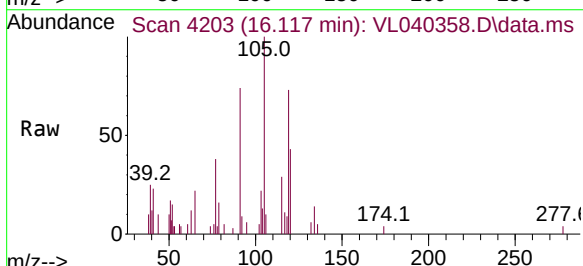
Ion Ratio Lower Upper

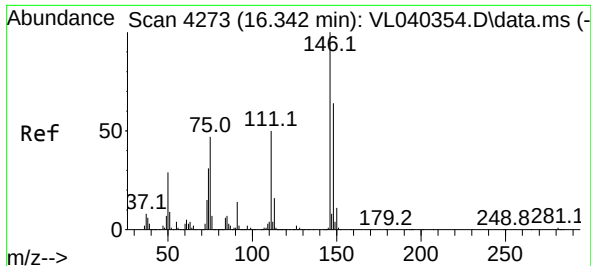
105 100

120 24.9 38.9 58.3#

91 11.0 46.0 69.0#

77 34.1 20.0 30.0#

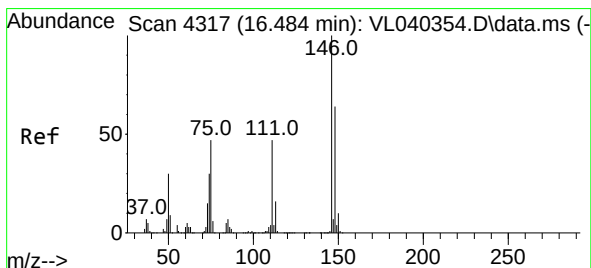
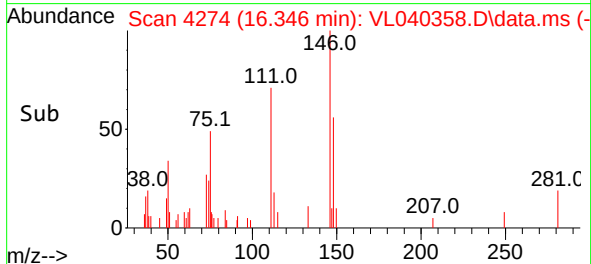
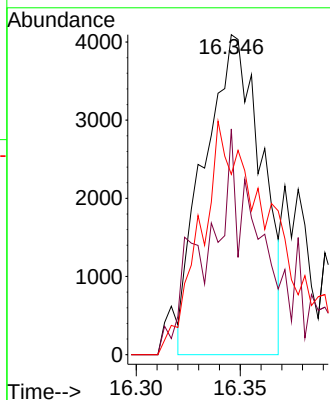
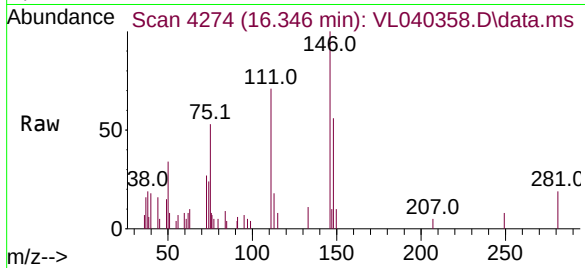




#75
1,3-Dichlorobenzene
Concen: 0.051 ppbv
RT: 16.346 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

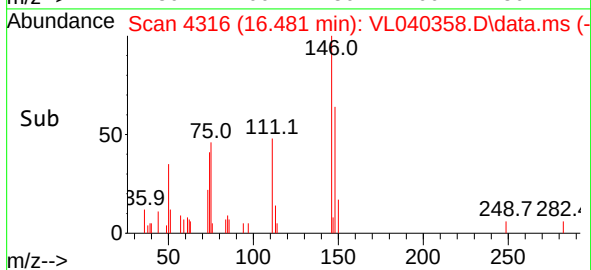
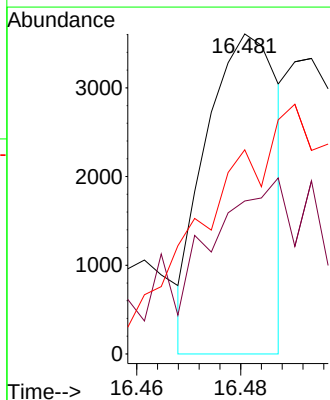
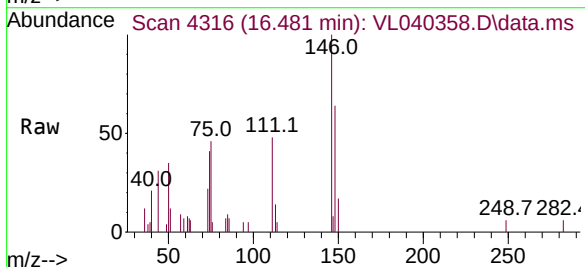
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

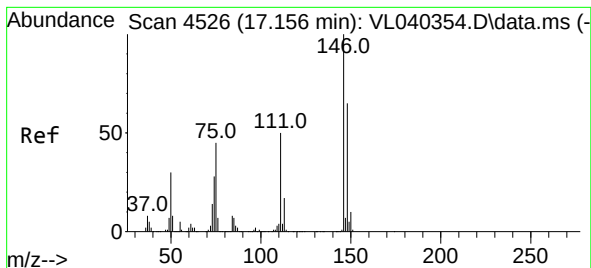
Tgt Ion:146 Resp: 7844
Ion Ratio Lower Upper
146 100
111 83.7 24.6 74.0#
148 93.3 32.1 96.3



#76
1,4-Dichlorobenzene
Concen: 0.023 ppbv
RT: 16.481 min Scan# 4316
Delta R.T. -0.003 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Tgt Ion:146 Resp: 3468
Ion Ratio Lower Upper
146 100
111 0.0 23.8 71.4#
148 0.0 32.4 97.2#





#77

1,2-Dichlorobenzene

Concen: 0.018 ppbv

RT: 17.159 min Scan# 4526

Delta R.T. 0.003 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

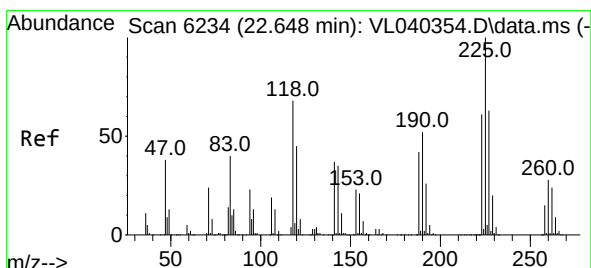
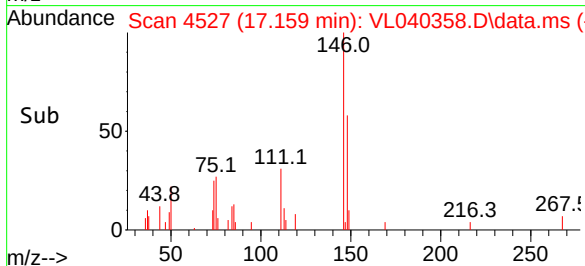
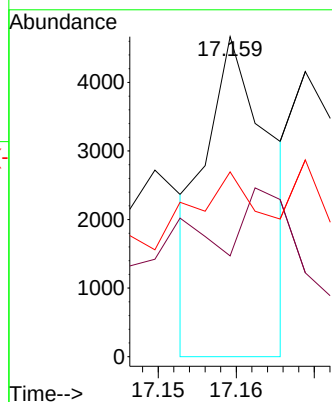
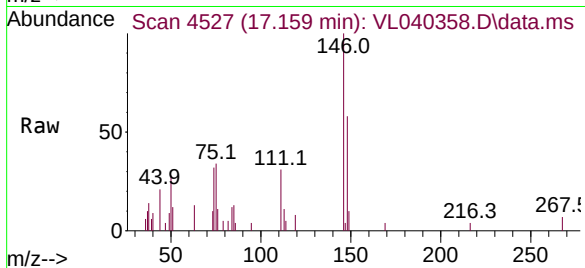
Tgt Ion:146 Resp: 2698

Ion Ratio Lower Upper

146 100

111 214.3 25.4 76.0#

148 0.0 32.0 96.2#



#78

Hexachloro-1,3-Butadiene

Concen: 0.026 ppbv

RT: 22.641 min Scan# 6232

Delta R.T. -0.006 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

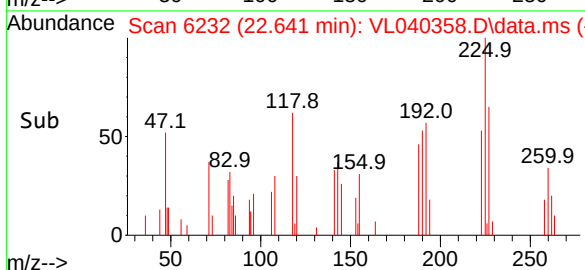
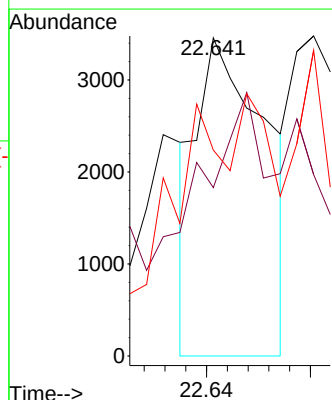
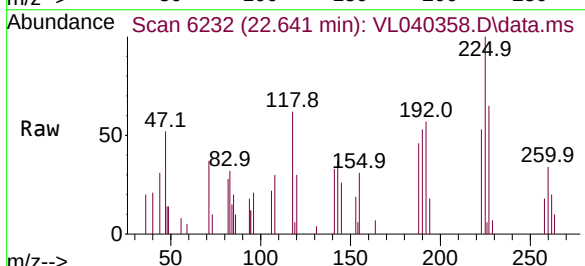
Tgt Ion:225 Resp: 3189

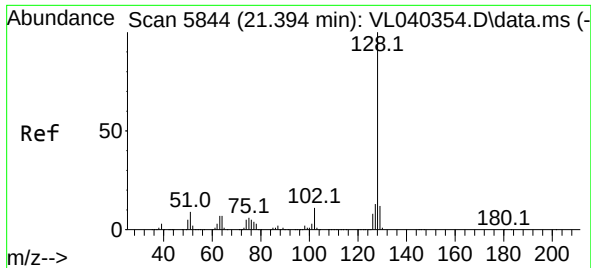
Ion Ratio Lower Upper

225 100

223 232.5 50.7 76.1#

227 0.0 51.0 76.4#

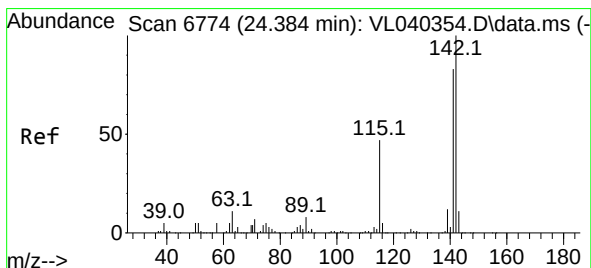
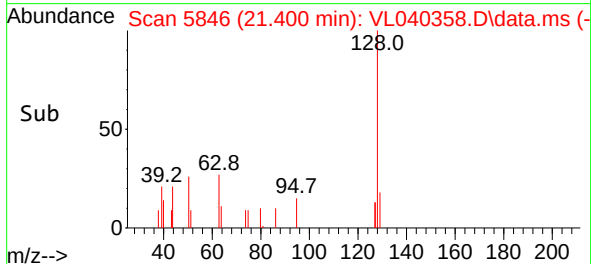
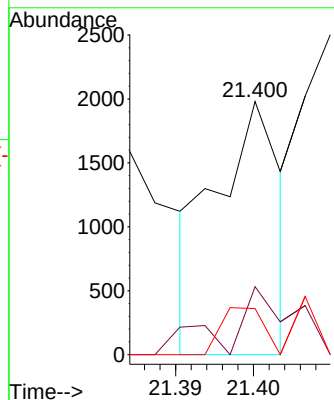
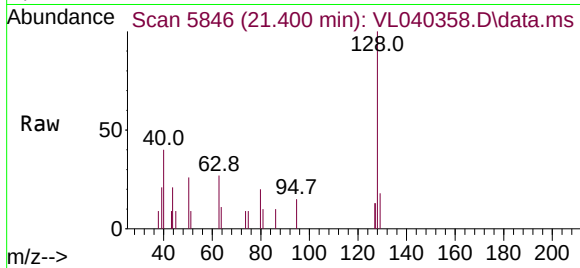




#79
Naphthalene
Concen: 0.006 ppbv
RT: 21.400 min Scan# 5846
Delta R.T. 0.007 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

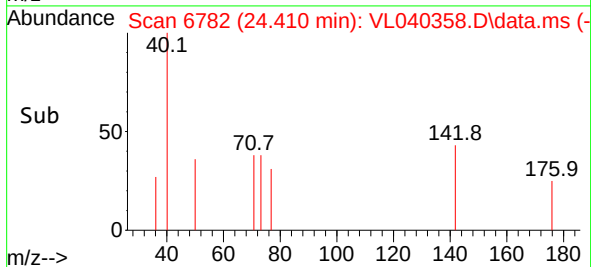
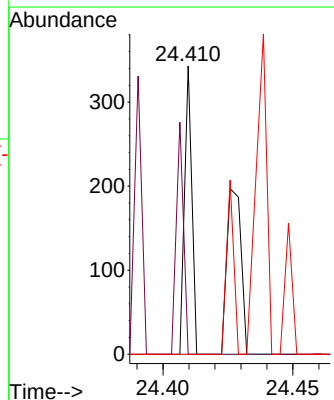
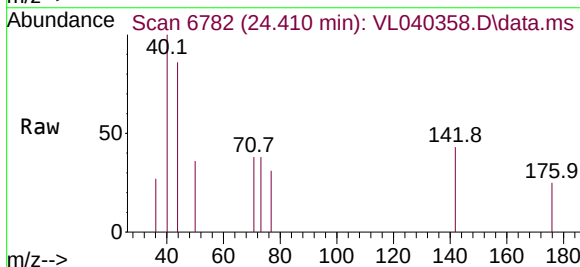
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

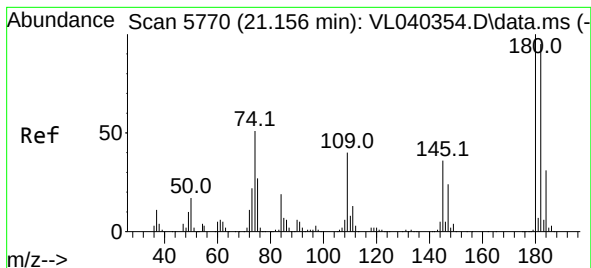
Tgt Ion:128 Resp: 1148
Ion Ratio Lower Upper
128 100
127 36.8 10.0 15.0#
129 42.1 9.4 14.0#



#80
Naphthalene,2-methyl-
Concen: 0.002 ppbv
RT: 24.410 min Scan# 6782
Delta R.T. 0.026 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Tgt Ion:142 Resp: 140
Ion Ratio Lower Upper
142 100
141 83.6 65.1 97.7
115 0.0 36.5 54.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.011 ppbv

RT: 21.156 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL040358.D

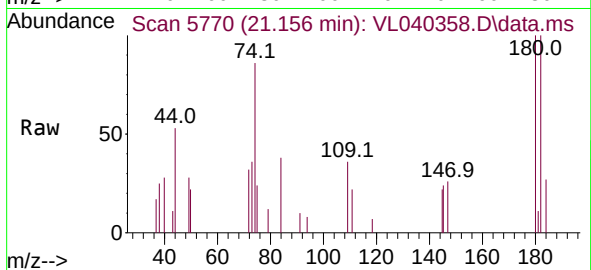
Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.1



Tgt Ion:180 Resp: 1252

Ion Ratio Lower Upper

180 100

182 0.0 77.7 116.5#

184 0.0 24.2 36.2#

