

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051823\
 Data File : VW031085.D
 Acq On : 18 May 2023 09:38
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005355

Quant Time: May 19 05:27:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu May 18 02:47:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	120096	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	117642	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	71065	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	33511	3.387	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.800%
7) Chloroethane-d5	1.539	69	35649	4.417	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.400%
11) 1,1-Dichloroethene-d2	2.063	65	19531	3.730	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.600%
20) 2-Butanone-d5	3.812	46	94857	54.061	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.120%
24) Chloroform-d	4.256	84	97870	4.977	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
26) 1,2-Dichloroethane-d4	4.950	65	49280	4.929	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	4.966	84	156975	4.552	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
36) 1,2-Dichloropropane-d6	5.995	67	47306	4.718	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.246	98	145348	4.426	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
43) trans-1,3-Dichloroprop...	7.558	79	17764	4.726	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.600%
46) 2-Hexanone-d5	8.034	63	68618	52.106	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.220%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	38101	5.242	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.800%
66) 1,2-Dichlorobenzene-d4	11.567	152	57406	4.333	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	43841	4.621	ug/L	98
3) Chloromethane	1.217	50	46479	4.174	ug/L	98
5) Vinyl chloride	1.285	62	43237	4.640	ug/L	99
6) Bromomethane	1.491	94	20424	4.602	ug/L	97
8) Chloroethane	1.555	64	26562	4.683	ug/L	99
9) Trichlorofluoromethane	1.719	101	85358	4.965	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	43618	4.970	ug/L	98
12) 1,1-Dichloroethene	2.072	96	37338	4.620	ug/L	92
13) Acetone	2.140	43	74597	49.772	ug/L	81
14) Carbon disulfide	2.246	76	78369	3.706	ug/L	96
15) Methyl Acetate	2.388	43	11988	3.931	ug/L #	86
16) Methylene chloride	2.452	84	36572	4.000	ug/L	96
17) Methyl tert-butyl Ether	2.709	73	72463	4.710	ug/L	99
18) trans-1,2-Dichloroethene	2.699	96	32759	4.437	ug/L	99
19) 1,1-Dichloroethane	3.117	63	71738	5.032	ug/L	98
21) 2-Butanone	3.899	43	77036	46.735	ug/L	95
22) cis-1,2-Dichloroethene	3.822	96	38601	4.956	ug/L	97
23) Bromochloromethane	4.156	128	18469	5.036	ug/L	95
25) Chloroform	4.285	83	81419	5.323	ug/L	95

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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

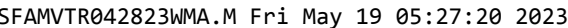
Instrument :
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 ClientSampleId :
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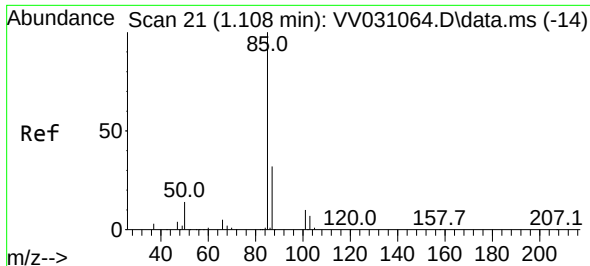
Quant Time: May 19 05:27:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu May 18 02:47:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	50319	5.242	ug/L	98
29) 1,1,1-Trichloroethane	4.519	97	75462	5.105	ug/L	97
30) Cyclohexane	4.590	56	46741	4.186	ug/L	96
31) Carbon tetrachloride	4.741	117	68793	5.181	ug/L	97
33) Benzene	5.015	78	151772	5.129	ug/L	100
34) Trichloroethene	5.841	95	40001	5.071	ug/L	97
35) Methylcyclohexane	6.056	83	56937	4.658	ug/L	96
37) 1,2-Dichloropropane	6.098	63	36738	5.234	ug/L #	97
38) Bromodichloromethane	6.439	83	55019	5.356	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	50836	4.836	ug/L	98
40) 4-Methyl-2-pentanone	7.166	43	195780	53.834	ug/L	100
42) Toluene	7.320	91	169640	5.325	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	44915	5.014	ug/L	95
45) 1,1,2-Trichloroethane	7.776	97	27483	5.277	ug/L	95
47) Tetrachloroethene	7.912	164	35926	4.774	ug/L	95
48) 2-Hexanone	8.082	43	152126	54.539	ug/L	99
49) Dibromochloromethane	8.182	129	36973	5.643	ug/L	100
50) 1,2-Dibromoethane	8.288	107	24711	5.320	ug/L	97
51) Chlorobenzene	8.818	112	109267	5.059	ug/L	97
52) Ethylbenzene	8.953	91	176816	5.091	ug/L	97
53) m,p-Xylene	9.079	106	70091	5.057	ug/L	97
54) o-Xylene	9.484	106	67311	5.103	ug/L	98
55) Styrene	9.500	104	116275	5.224	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	31814	5.465	ug/L	98
59) Bromoform	9.670	173	21328	5.099	ug/L	98
60) Isopropylbenzene	9.873	105	187084	4.883	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	21963	4.920	ug/L	97
62) 1,3,5-Trimethylbenzene	10.481	105	148228	4.752	ug/L	97
63) 1,2,4-Trimethylbenzene	10.857	105	150642	4.767	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	100248	5.095	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	99535	5.014	ug/L	93
67) 1,2-Dichlorobenzene	11.587	146	88498	5.002	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.374	75	5497	4.851	ug/L #	90
69) 1,3,5-Trichlorobenzene	12.590	180	75652	4.856	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	58080	4.851	ug/L	98
71) Naphthalene	13.448	128	67225	3.916	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	47033	4.641	ug/L	98

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

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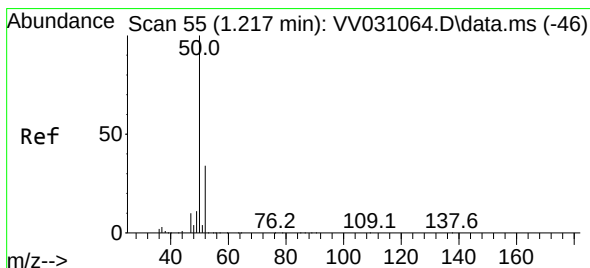
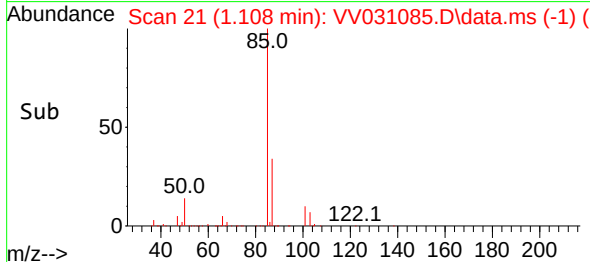
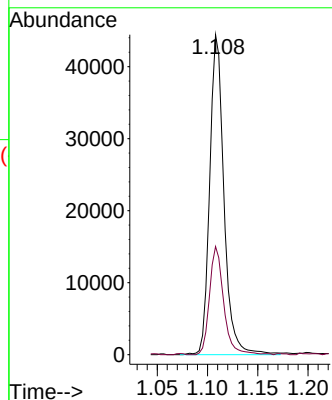
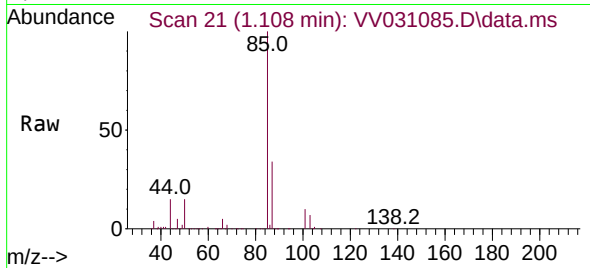




#2
 Dichlorodifluoromethane
 Concen: 4.621 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031085.D
 Acq: 18 May 2023 09:38

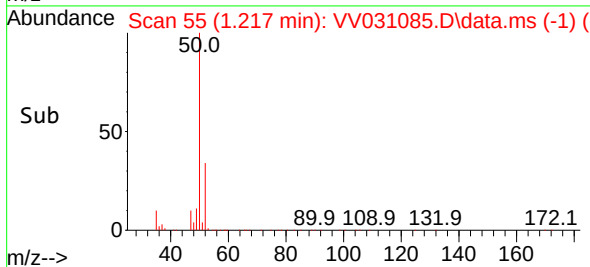
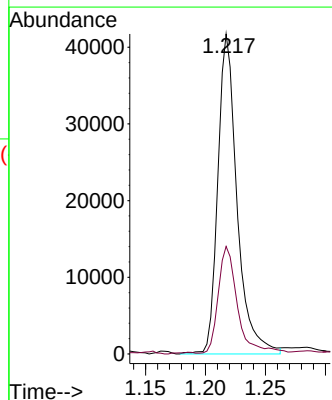
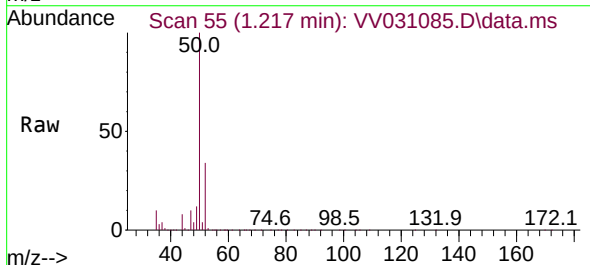
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005355

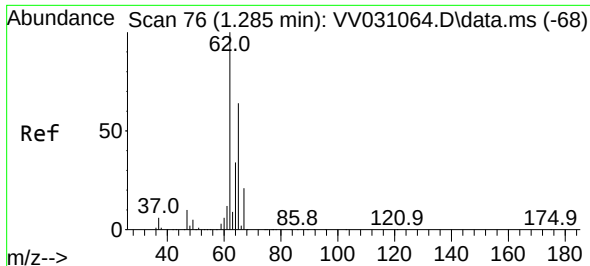
Tgt Ion: 85 Resp: 43841
 Ion Ratio Lower Upper
 85 100
 87 33.6 25.8 38.6



#3
 Chloromethane
 Concen: 4.174 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031085.D
 Acq: 18 May 2023 09:38

Tgt Ion: 50 Resp: 46479
 Ion Ratio Lower Upper
 50 100
 52 33.6 22.8 42.4

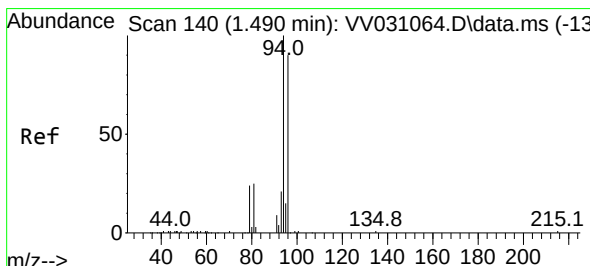
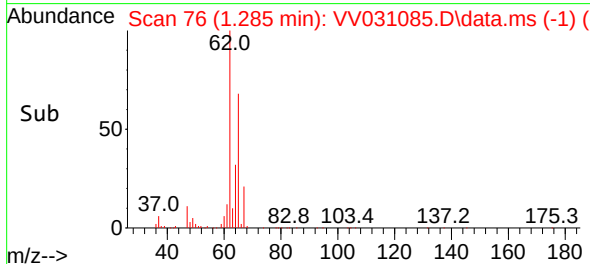
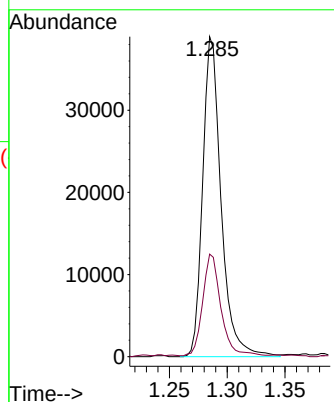
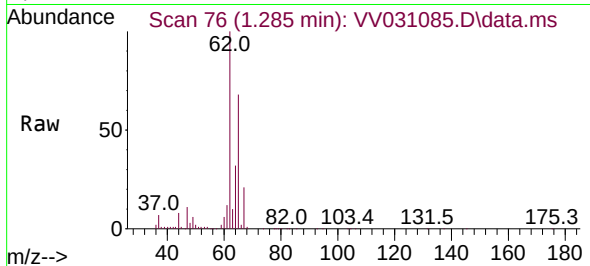




#5
 Vinyl chloride
 Concen: 4.640 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031085.D
 Acq: 18 May 2023 09:38

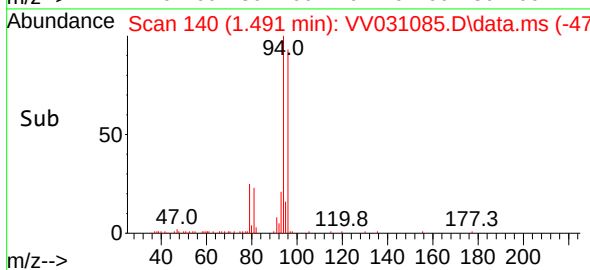
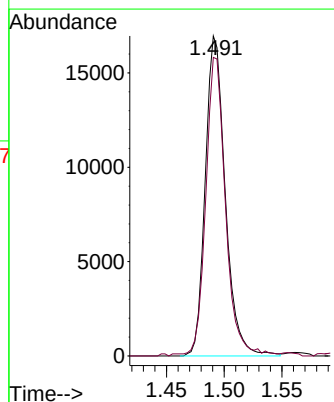
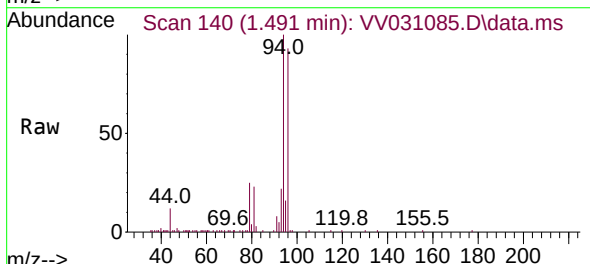
Instrument :
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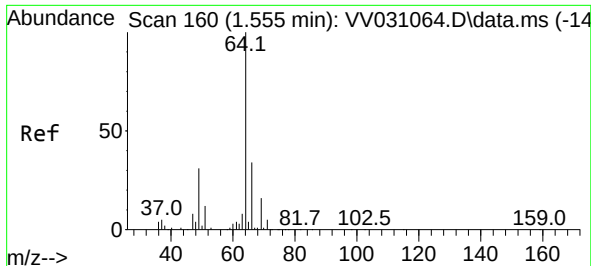
Tgt Ion: 62 Resp: 43237
 Ion Ratio Lower Upper
 62 100
 64 32.0 22.8 42.4



#6
 Bromomethane
 Concen: 4.602 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV031085.D
 Acq: 18 May 2023 09:38

Tgt Ion: 94 Resp: 20424
 Ion Ratio Lower Upper
 94 100
 96 93.3 63.4 117.8

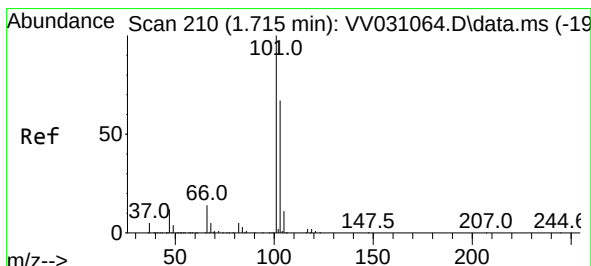
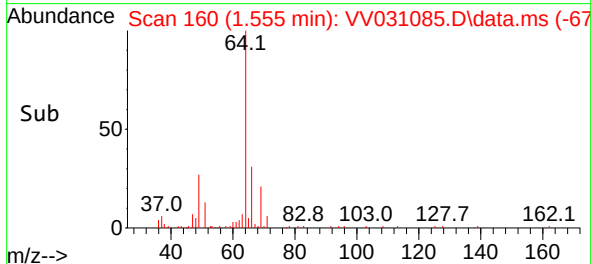
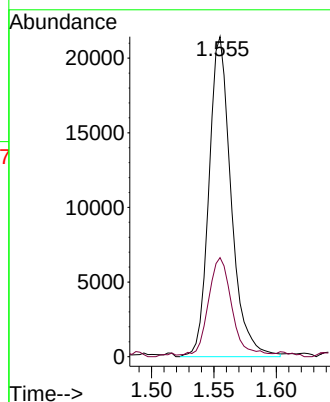
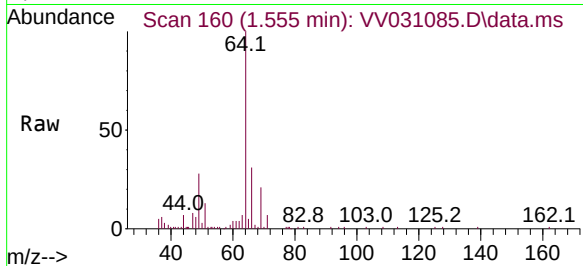




#8
Chloroethane
Concen: 4.683 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV031085.D
Acq: 18 May 2023 09:38

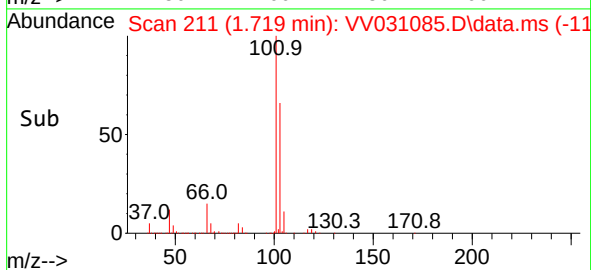
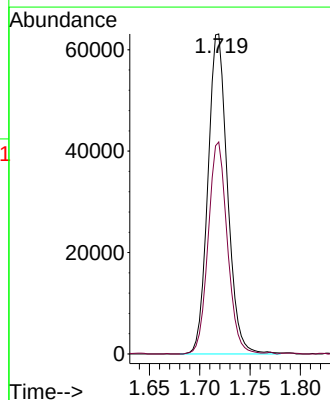
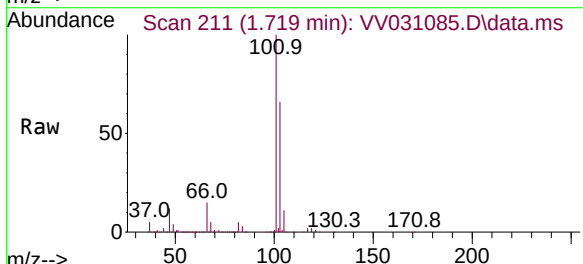
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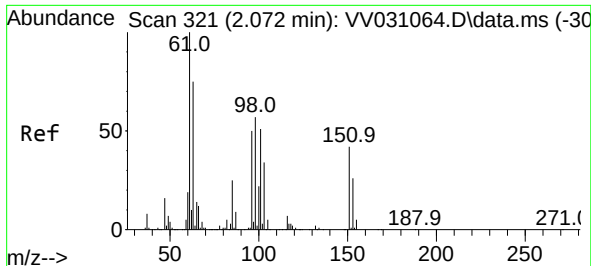
Tgt Ion: 64 Resp: 26562
Ion Ratio Lower Upper
64 100
66 31.0 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.965 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV031085.D
Acq: 18 May 2023 09:38

Tgt Ion:101 Resp: 85358
Ion Ratio Lower Upper
101 100
103 64.9 51.8 77.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.970 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

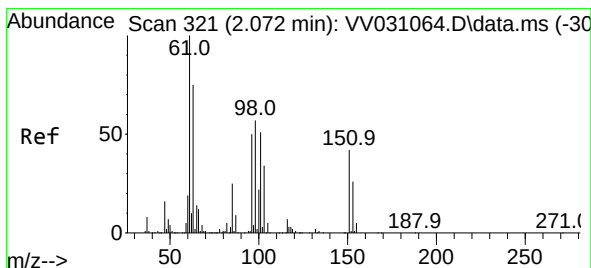
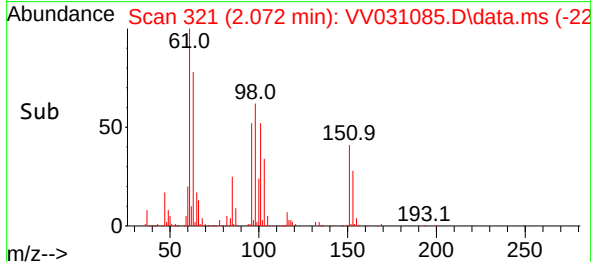
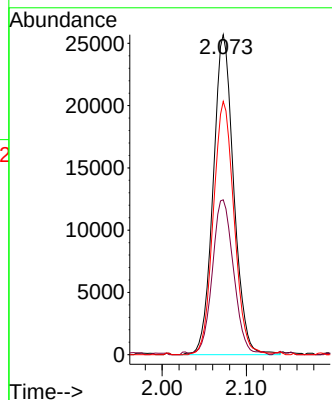
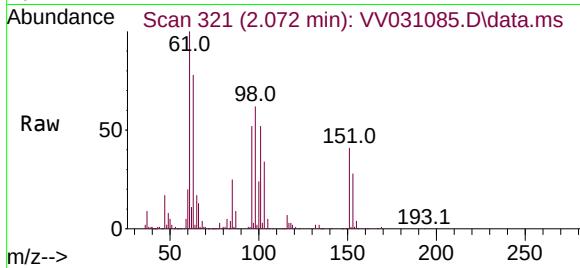
Tgt Ion:101 Resp: 43618

Ion Ratio Lower Upper

101 100

85 49.9 38.7 58.1

151 79.8 65.1 97.7



#12

1,1-Dichloroethene

Concen: 4.620 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

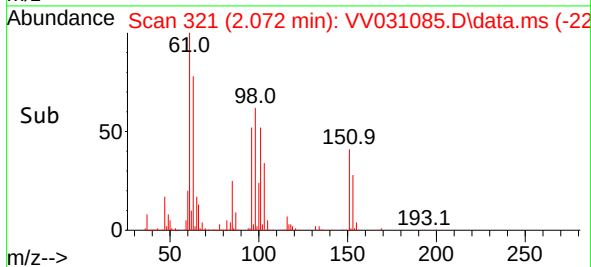
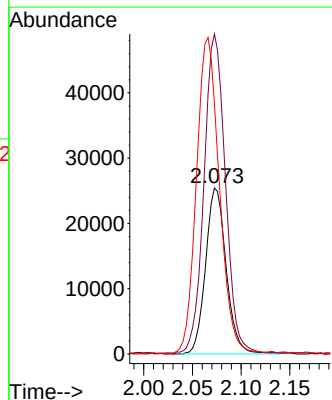
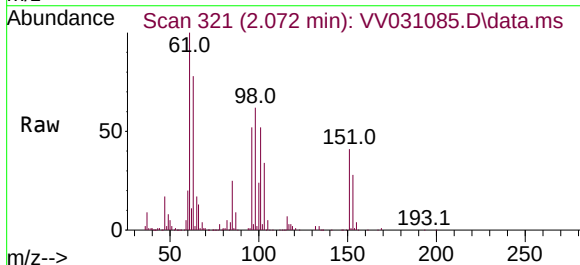
Tgt Ion: 96 Resp: 37338

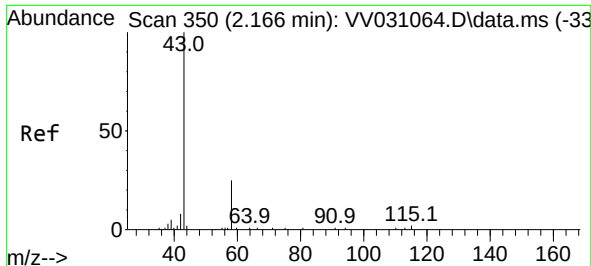
Ion Ratio Lower Upper

96 100

61 192.9 135.6 251.8

63 151.0 121.1 224.9





#13

Acetone

Concen: 49.772 ug/L

RT: 2.140 min Scan# 34

Delta R.T. -0.026 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

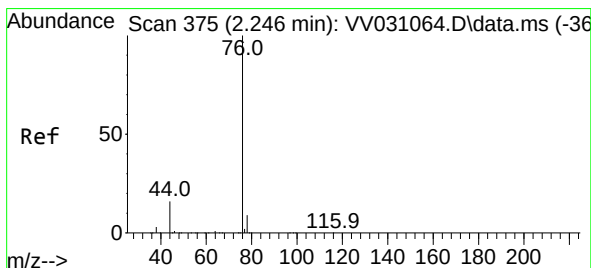
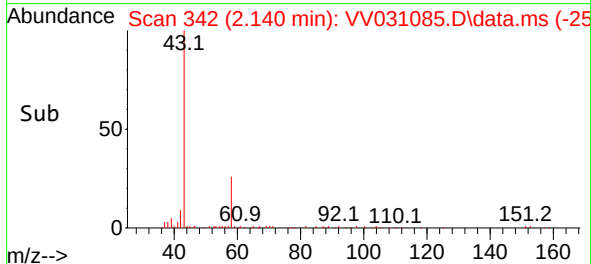
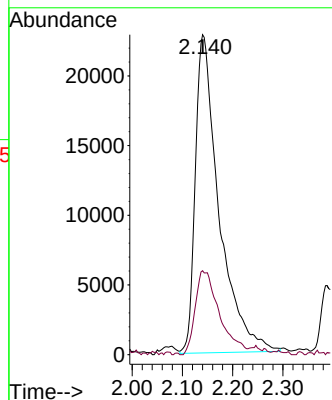
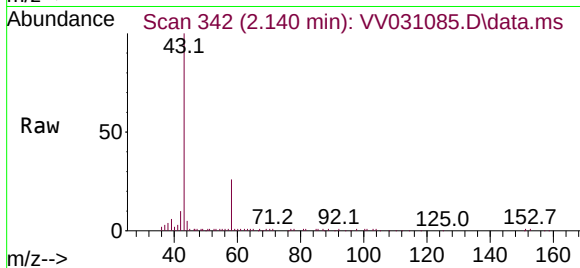
VSTD005355

Tgt Ion: 43 Resp: 74597

Ion Ratio Lower Upper

43 100

58 27.1 0.0 37.0



#14

Carbon disulfide

Concen: 3.706 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031085.D

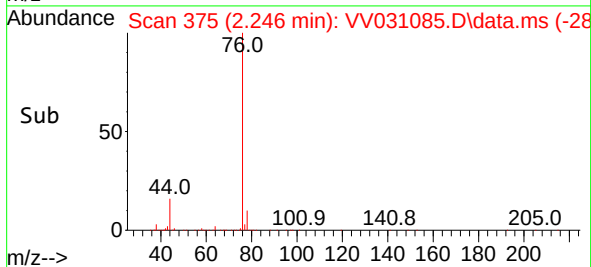
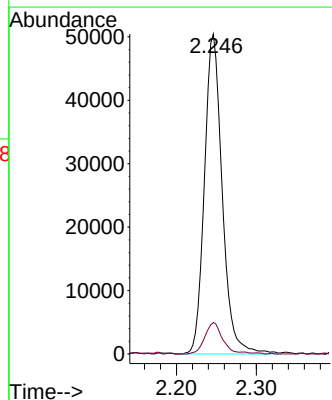
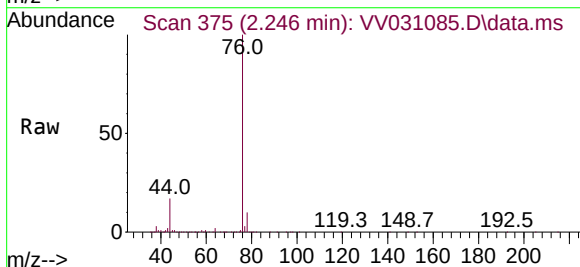
Acq: 18 May 2023 09:38

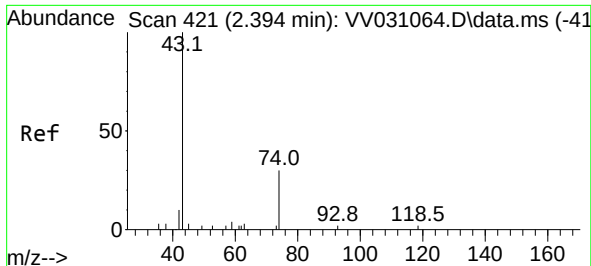
Tgt Ion: 76 Resp: 78369

Ion Ratio Lower Upper

76 100

78 9.8 6.8 10.2

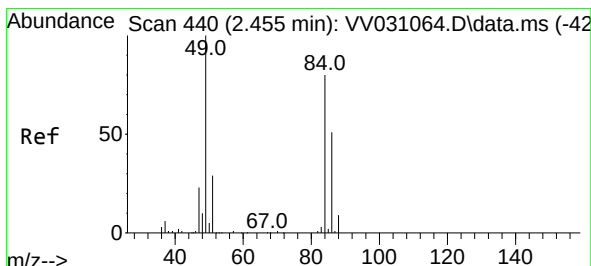
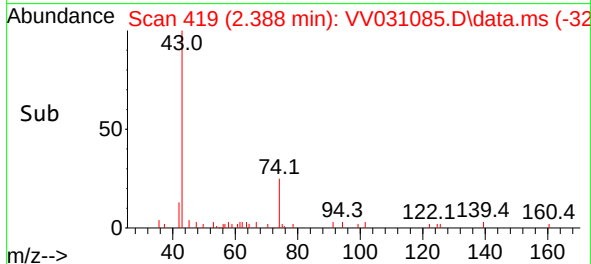
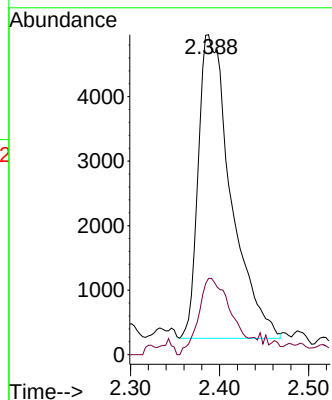
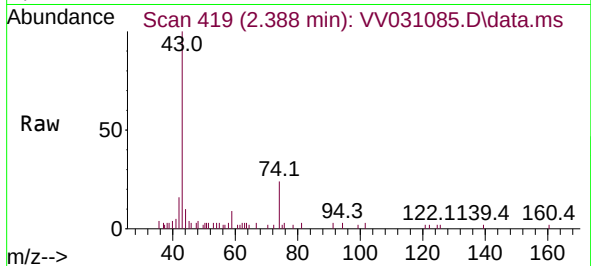




#15
Methyl Acetate
Concen: 3.931 ug/L
RT: 2.388 min Scan# 41
Delta R.T. -0.006 min
Lab File: VV031085.D
Acq: 18 May 2023 09:38

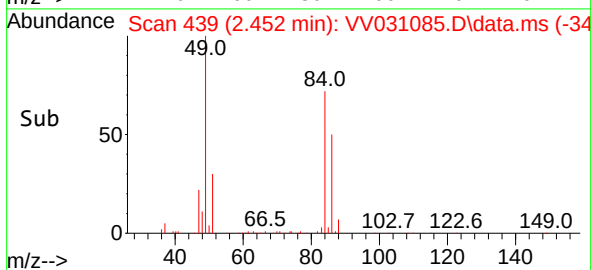
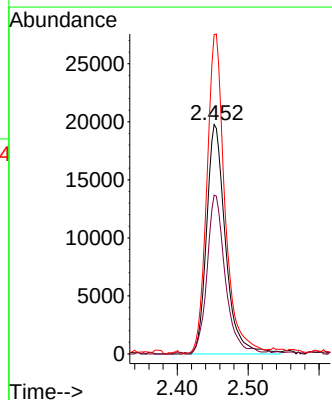
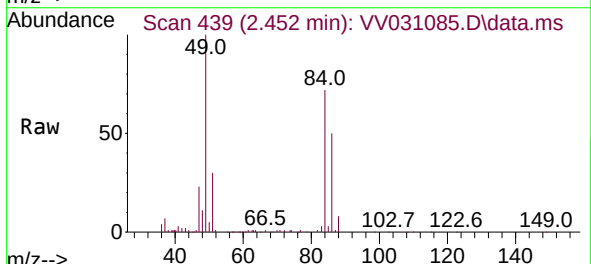
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

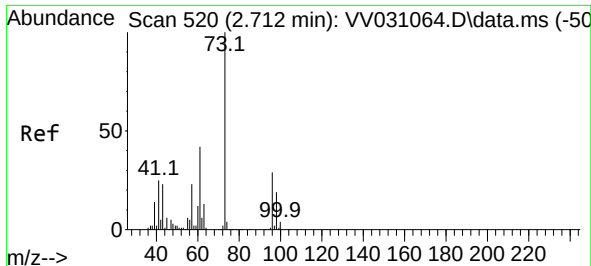
Tgt Ion: 43 Resp: 11988
Ion Ratio Lower Upper
43 100
74 25.3 15.0 22.6#



#16
Methylene chloride
Concen: 4.000 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.003 min
Lab File: VV031085.D
Acq: 18 May 2023 09:38

Tgt Ion: 84 Resp: 36572
Ion Ratio Lower Upper
84 100
86 69.2 46.1 85.5
49 139.2 94.3 175.1





#17

Methyl tert-butyl Ether

Concen: 4.710 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.003 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

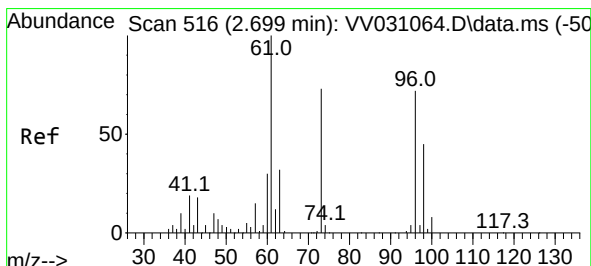
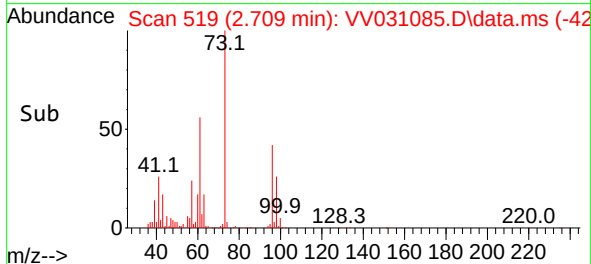
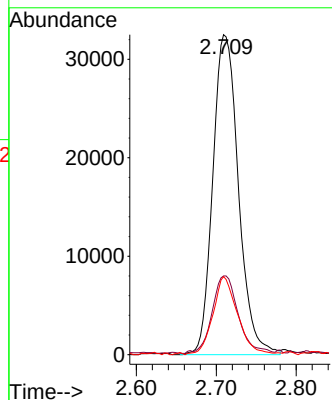
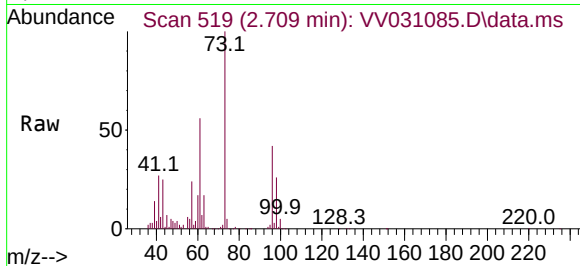
Tgt Ion: 73 Resp: 72463

Ion Ratio Lower Upper

73 100

43 24.6 19.9 29.9

57 23.4 18.2 27.4



#18

trans-1,2-Dichloroethene

Concen: 4.437 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

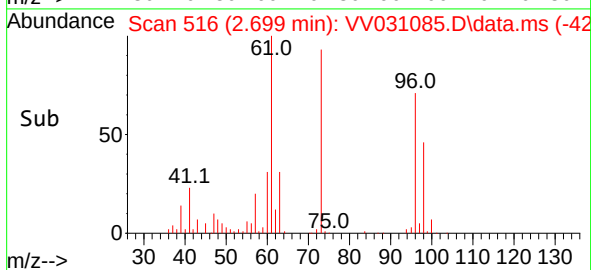
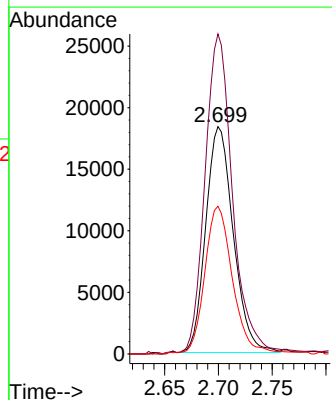
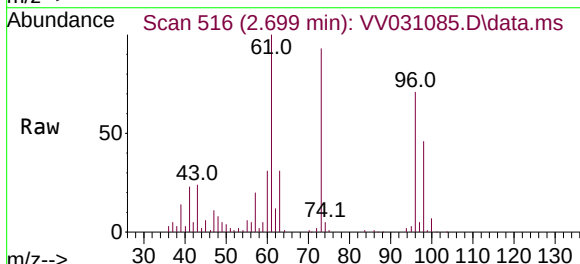
Tgt Ion: 96 Resp: 32759

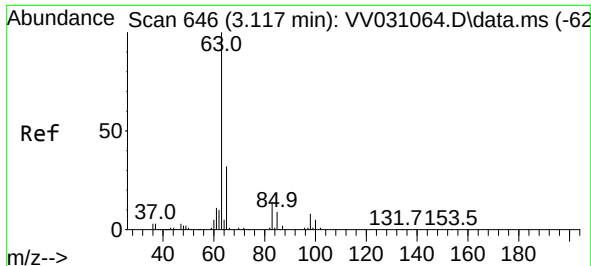
Ion Ratio Lower Upper

96 100

61 140.8 98.9 183.7

98 65.0 46.0 85.4





#19

1,1-Dichloroethane

Concen: 5.032 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

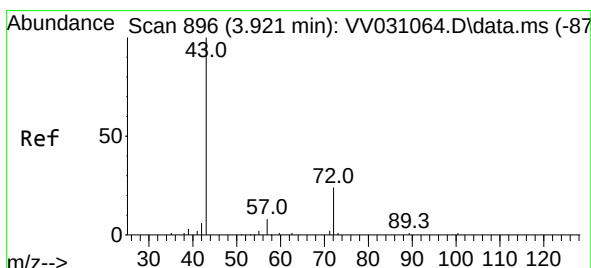
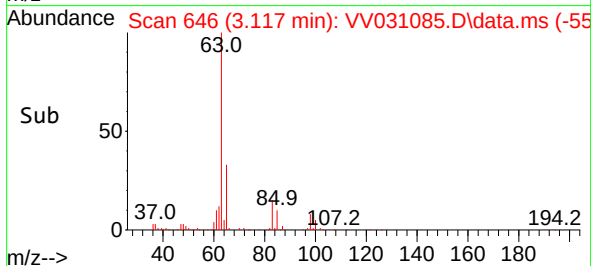
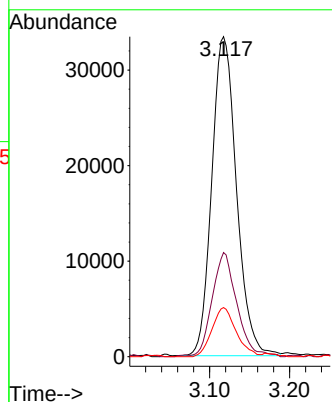
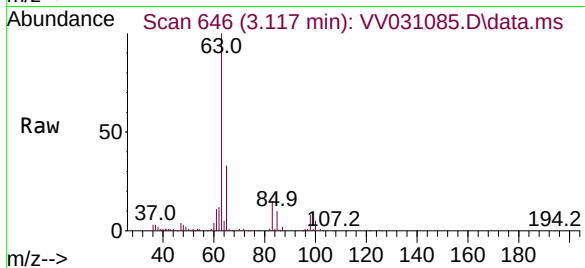
Tgt Ion: 63 Resp: 71738

Ion Ratio Lower Upper

63 100

65 32.6 21.8 40.6

83 15.4 10.2 19.0



#21

2-Butanone

Concen: 46.735 ug/L

RT: 3.899 min Scan# 889

Delta R.T. -0.022 min

Lab File: VV031085.D

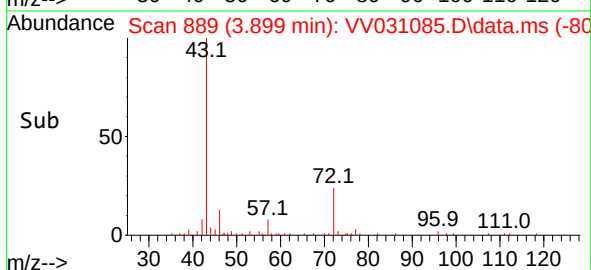
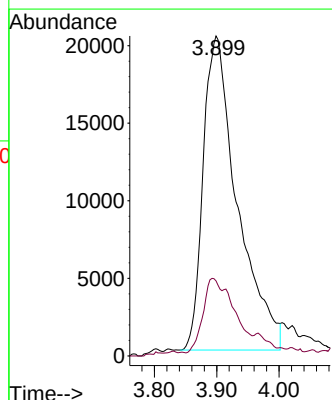
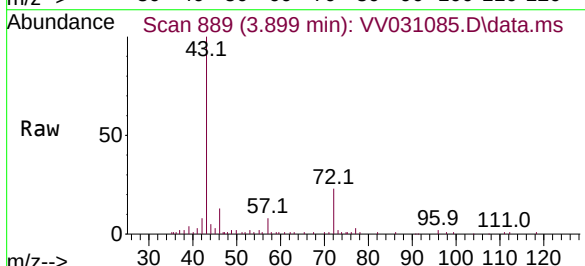
Acq: 18 May 2023 09:38

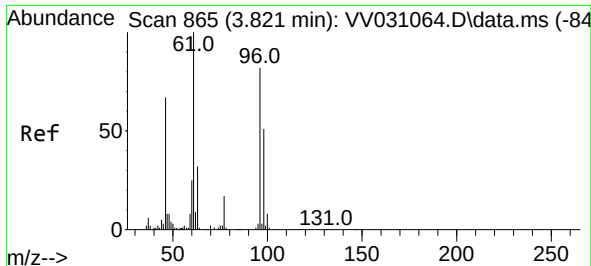
Tgt Ion: 43 Resp: 77036

Ion Ratio Lower Upper

43 100

72 21.4 9.6 28.6

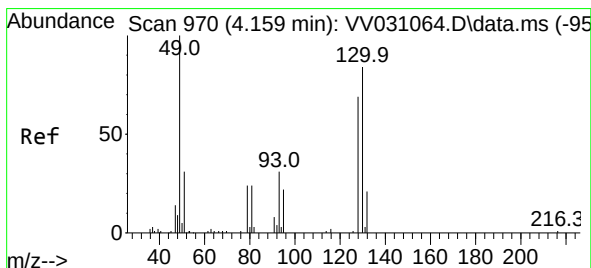
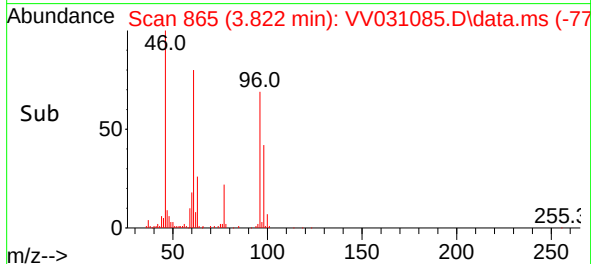
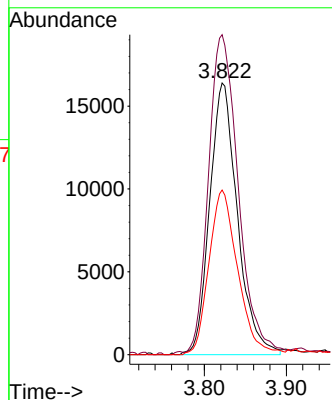
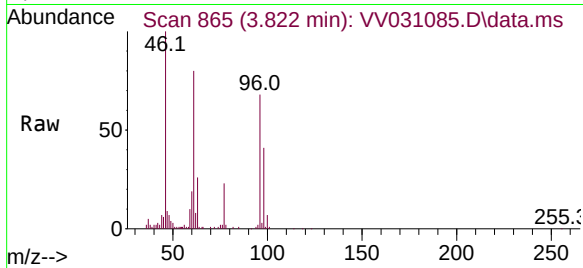




#22
 cis-1,2-Dichloroethene
 Concen: 4.956 ug/L
 RT: 3.822 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VV031085.D
 Acq: 18 May 2023 09:38

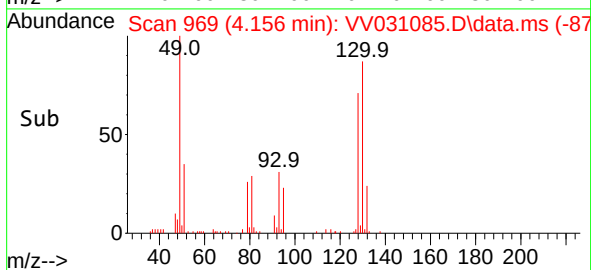
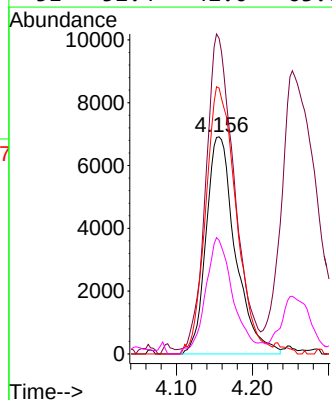
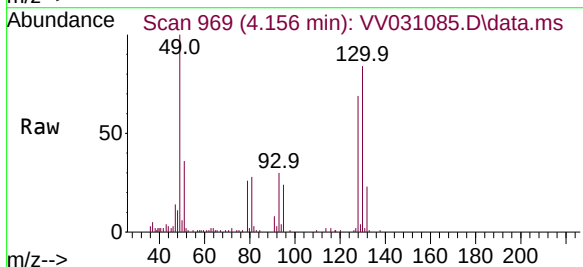
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005355

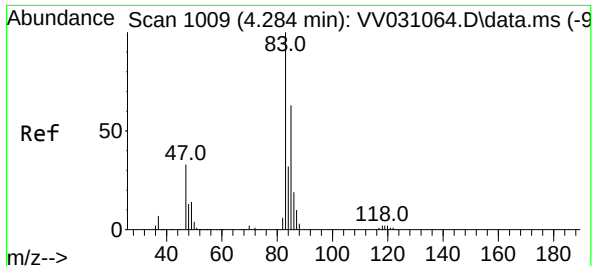
Tgt Ion: 96 Resp: 38601
 Ion Ratio Lower Upper
 96 100
 61 117.8 86.0 159.6
 98 60.6 43.2 80.2



#23
 Bromochloromethane
 Concen: 5.036 ug/L
 RT: 4.156 min Scan# 969
 Delta R.T. -0.003 min
 Lab File: VV031085.D
 Acq: 18 May 2023 09:38

Tgt Ion: 128 Resp: 18469
 Ion Ratio Lower Upper
 128 100
 49 145.4 104.7 194.5
 130 122.5 93.4 173.4
 51 52.4 42.0 63.0

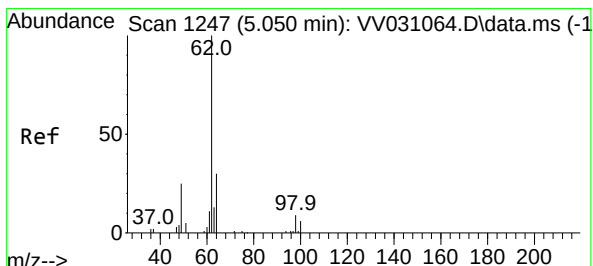
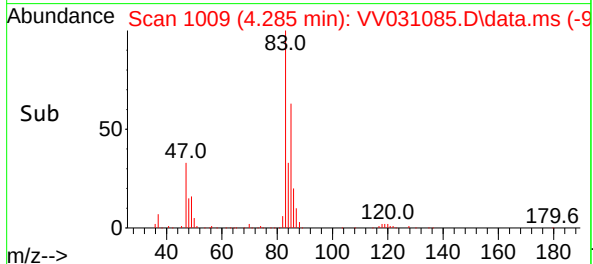
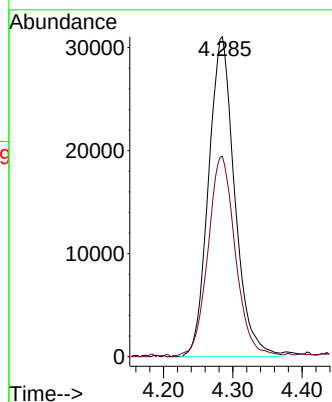
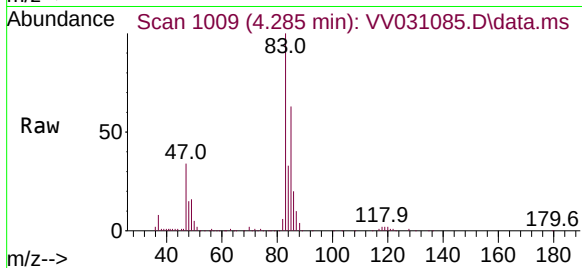




#25
Chloroform
Concen: 5.323 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. 0.000 min
Lab File: VV031085.D
Acq: 18 May 2023 09:38

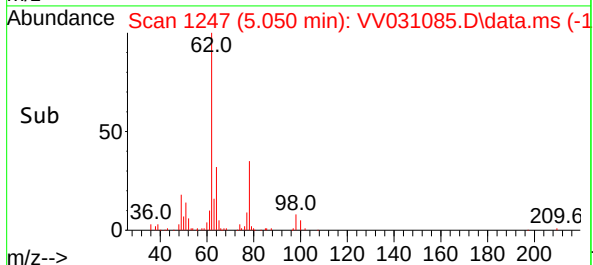
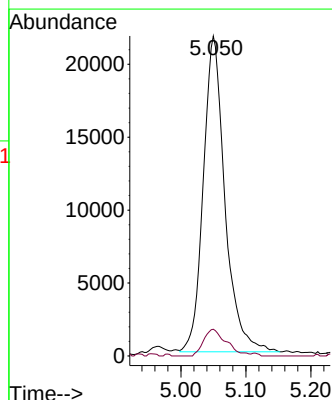
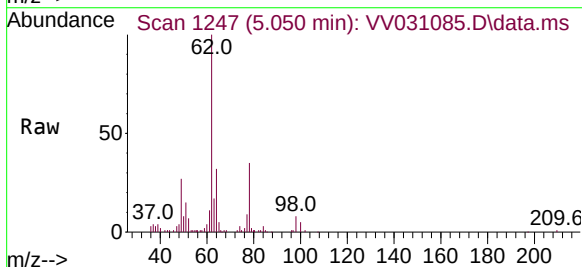
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

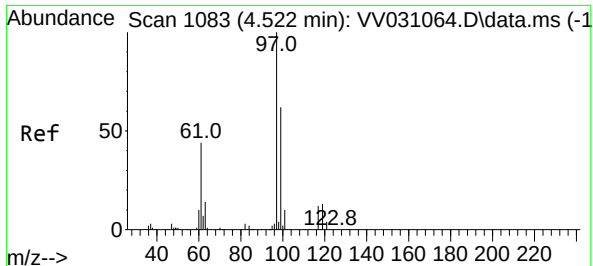
Tgt Ion: 83 Resp: 81419
Ion Ratio Lower Upper
83 100
85 62.6 46.4 86.2



#27
1,2-Dichloroethane
Concen: 5.242 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.000 min
Lab File: VV031085.D
Acq: 18 May 2023 09:38

Tgt Ion: 62 Resp: 50319
Ion Ratio Lower Upper
62 100
98 8.3 6.0 9.0





#29

1,1,1-Trichloroethane

Concen: 5.105 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.003 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

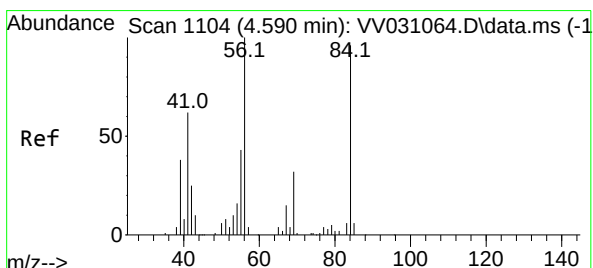
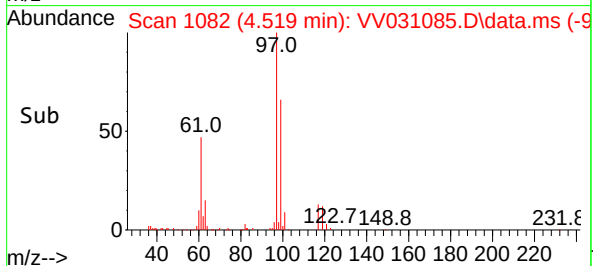
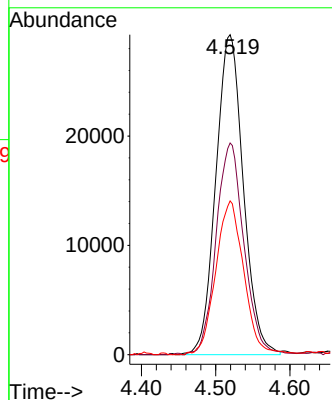
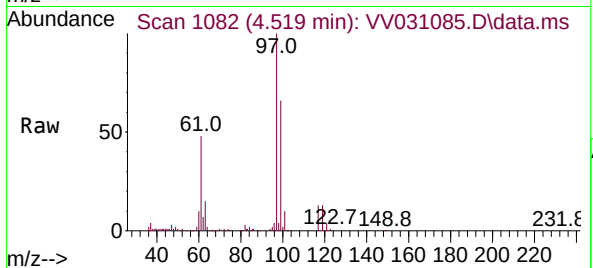
Tgt Ion: 97 Resp: 75462

Ion Ratio Lower Upper

97 100

99 66.8 51.4 77.2

61 49.1 37.4 56.0



#30

Cyclohexane

Concen: 4.186 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

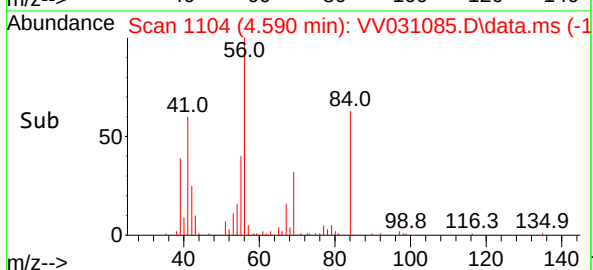
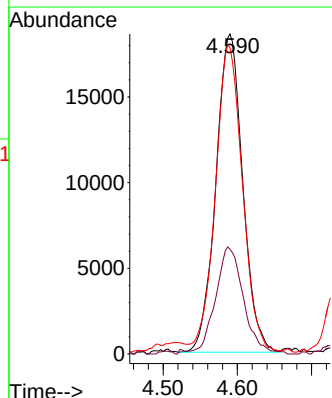
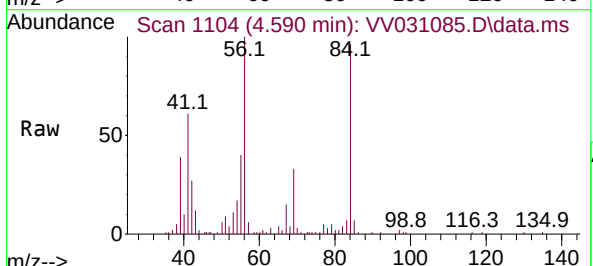
Tgt Ion: 56 Resp: 46741

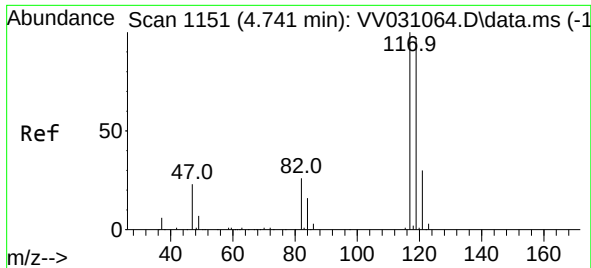
Ion Ratio Lower Upper

56 100

69 34.9 25.0 37.6

84 95.9 74.2 111.2

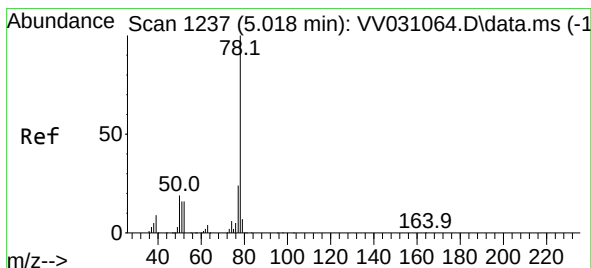
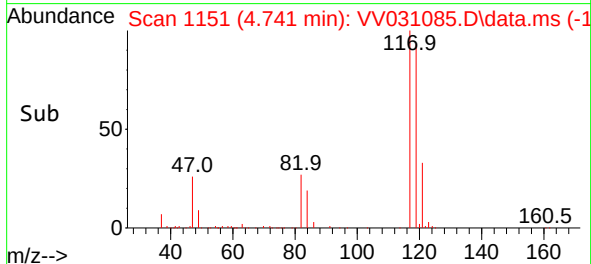
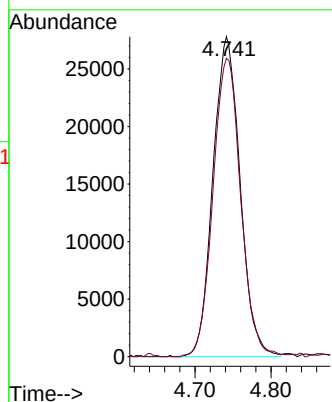
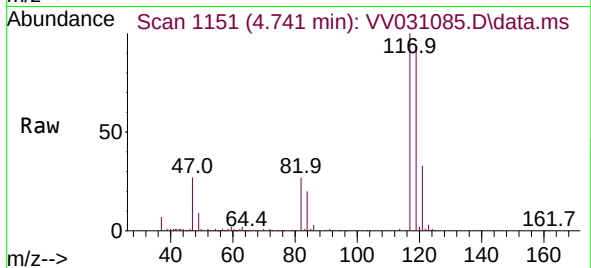




#31
Carbon tetrachloride
Concen: 5.181 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. 0.000 min
Lab File: VV031085.D
Acq: 18 May 2023 09:38

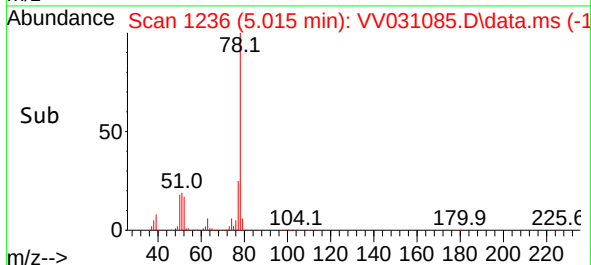
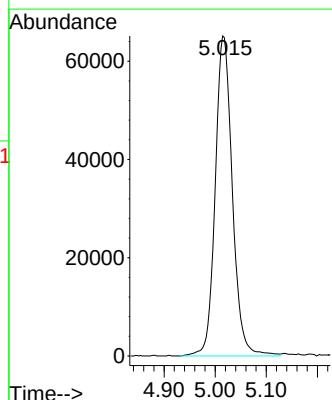
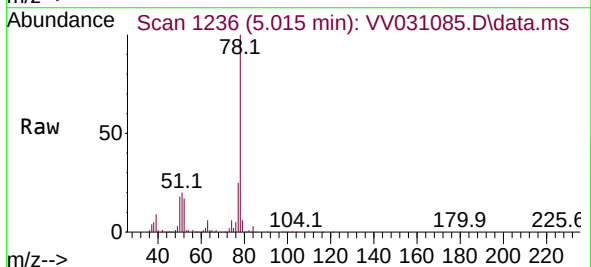
Instrument : MSVOA_V
ClientSampleId : VSTD005355

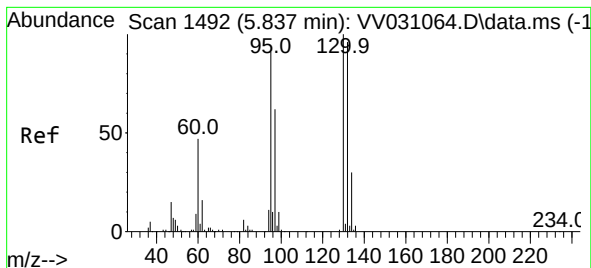
Tgt Ion:117 Resp: 68793
Ion Ratio Lower Upper
117 100
119 95.4 78.4 117.6



#33
Benzene
Concen: 5.129 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VV031085.D
Acq: 18 May 2023 09:38

Tgt Ion: 78 Resp: 151772





#34

Trichloroethene

Concen: 5.071 ug/L

RT: 5.841 min Scan# 1492

Delta R.T. 0.003 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

Tgt Ion: 95 Resp: 40001

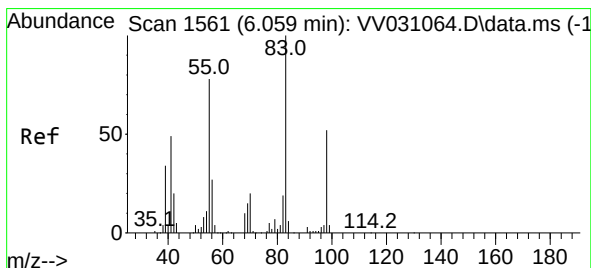
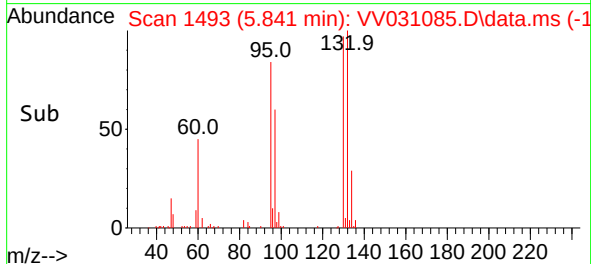
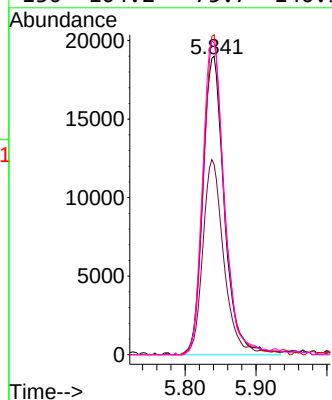
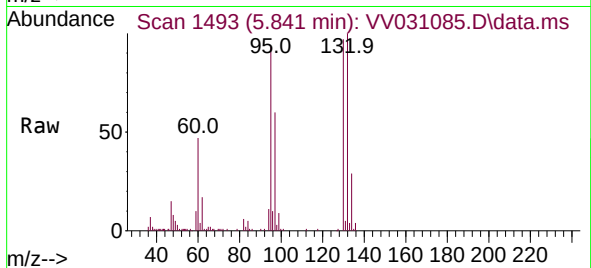
Ion Ratio Lower Upper

95 100

97 63.8 46.2 85.8

132 107.2 72.7 135.1

130 104.2 75.7 140.5



#35

Methylcyclohexane

Concen: 4.658 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. -0.003 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

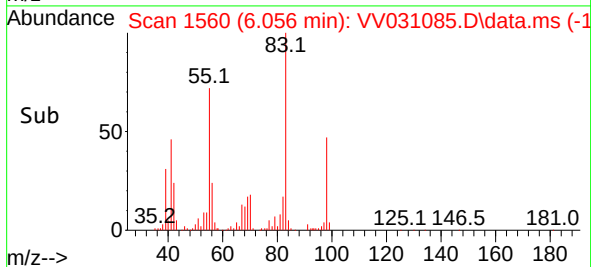
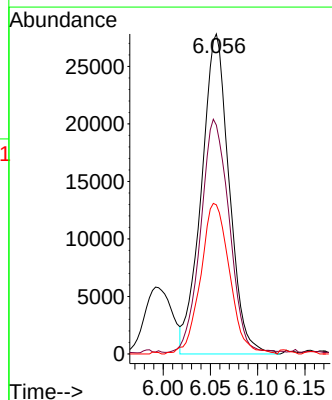
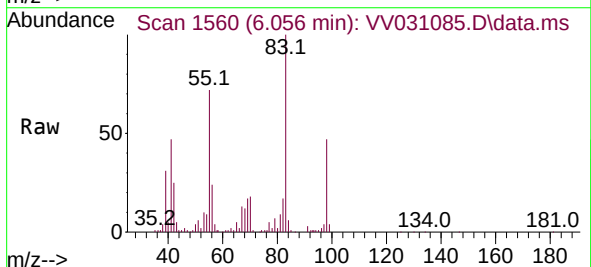
Tgt Ion: 83 Resp: 56937

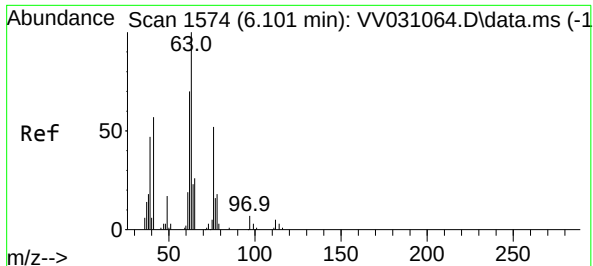
Ion Ratio Lower Upper

83 100

55 74.6 62.9 94.3

98 48.9 40.5 60.7





#37

1,2-Dichloropropane

Concen: 5.234 ug/L

RT: 6.098 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

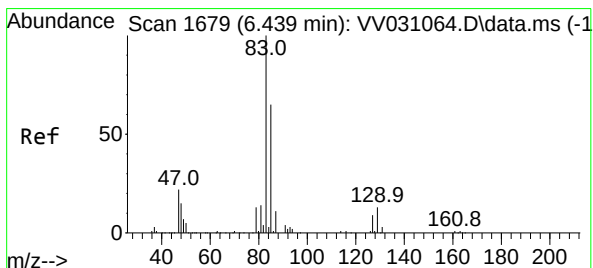
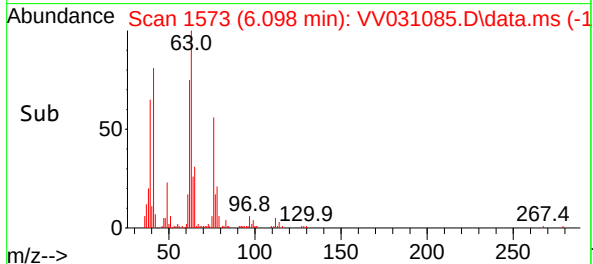
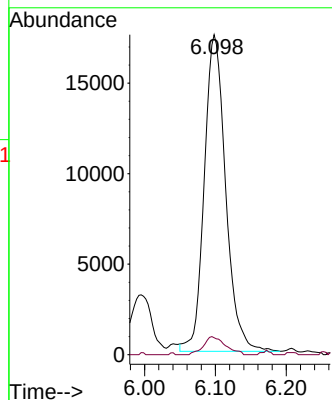
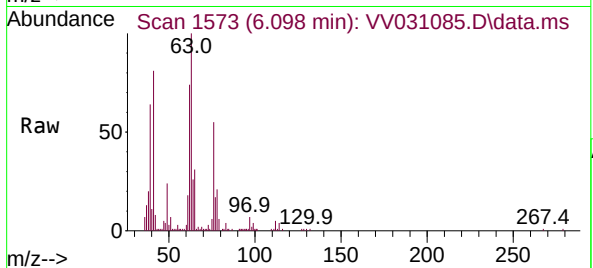
VSTD005355

Tgt Ion: 63 Resp: 36738

Ion Ratio Lower Upper

63 100

112 5.8 3.8 5.8#



#38

Bromodichloromethane

Concen: 5.356 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

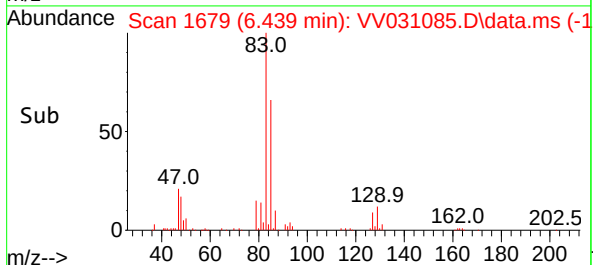
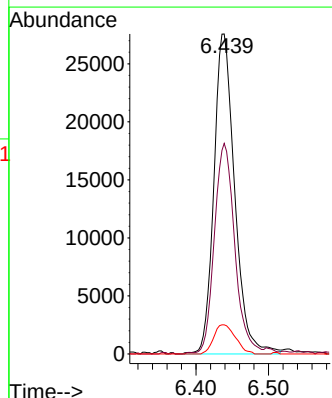
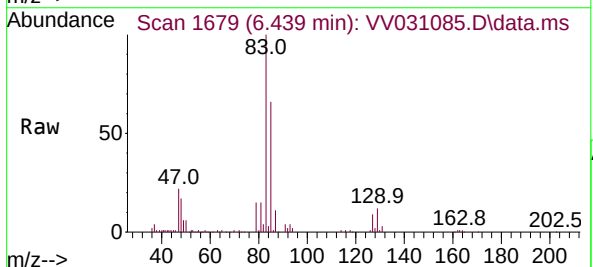
Tgt Ion: 83 Resp: 55019

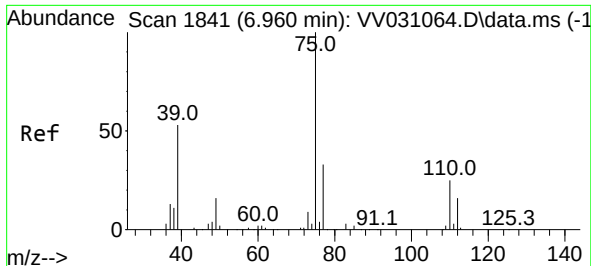
Ion Ratio Lower Upper

83 100

85 65.8 44.4 82.4

127 9.1 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.836 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

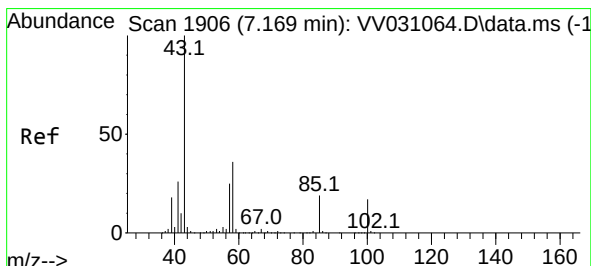
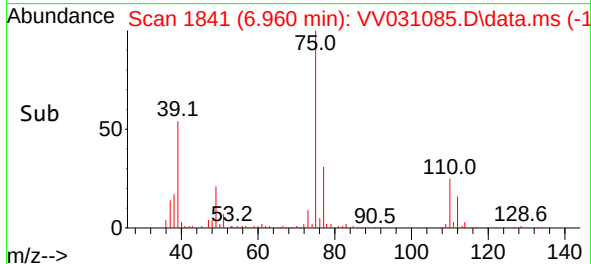
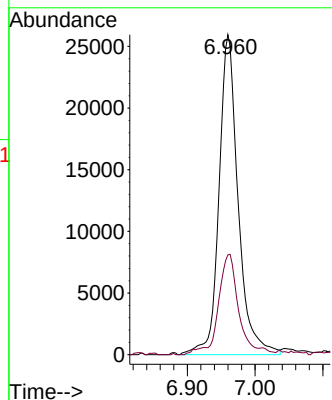
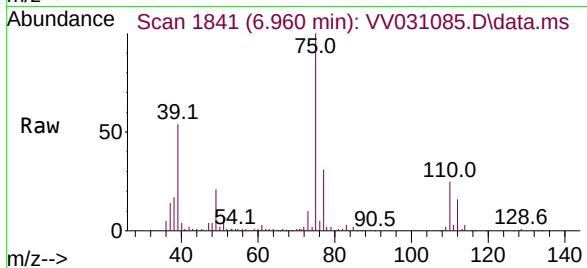
VSTD005355

Tgt Ion: 75 Resp: 50836

Ion Ratio Lower Upper

75 100

77 31.2 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 53.834 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. -0.003 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

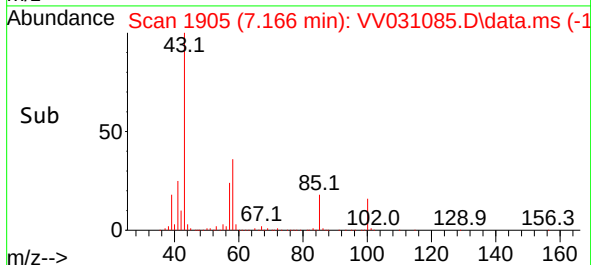
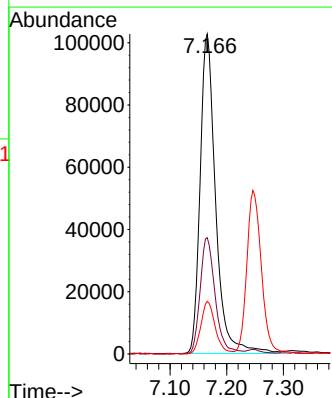
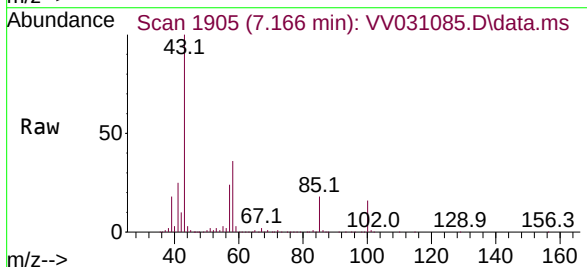
Tgt Ion: 43 Resp: 195780

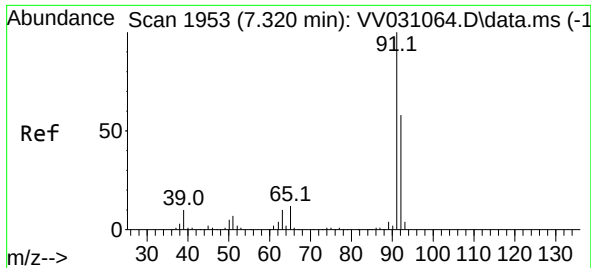
Ion Ratio Lower Upper

43 100

58 35.5 28.3 42.5

100 15.3 11.8 17.8





#42

Toluene

Concen: 5.325 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

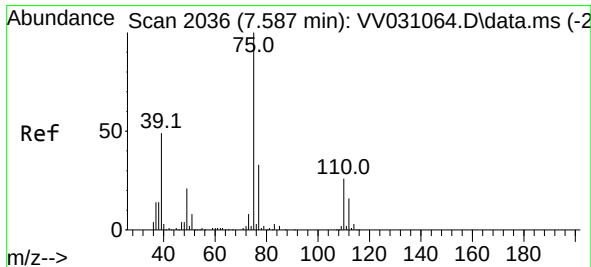
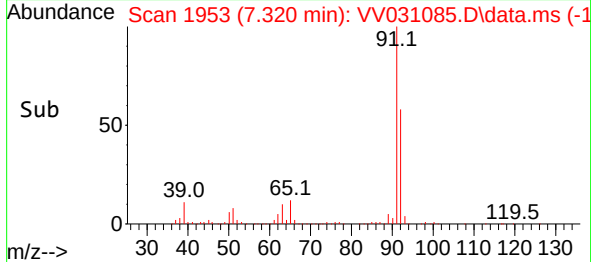
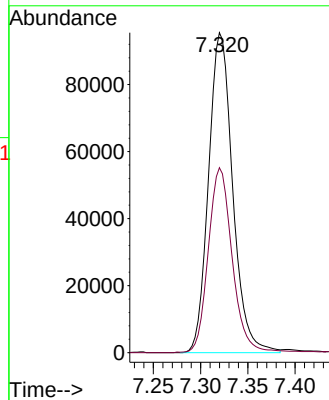
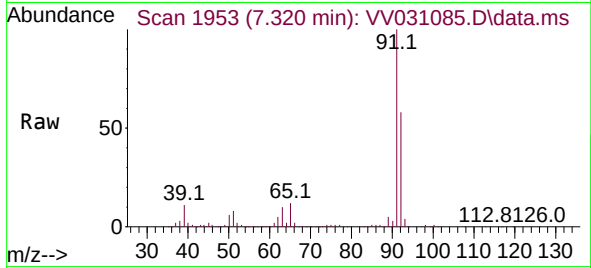
VSTD005355

Tgt Ion: 91 Resp: 169640

Ion Ratio Lower Upper

91 100

92 57.8 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 5.014 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV031085.D

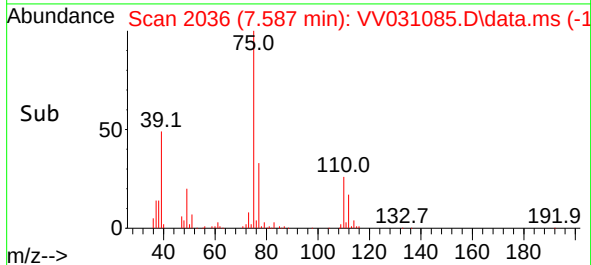
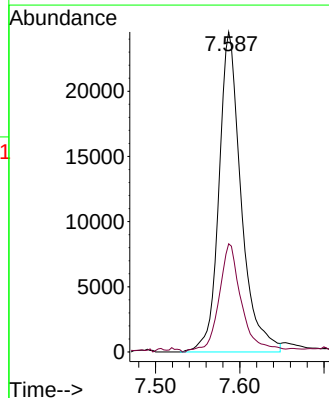
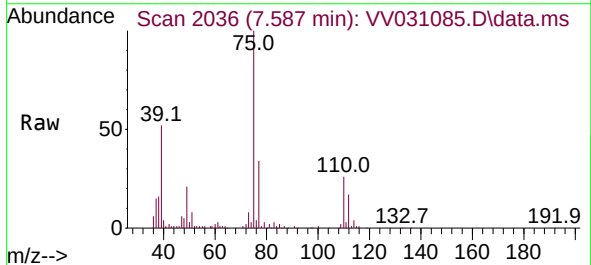
Acq: 18 May 2023 09:38

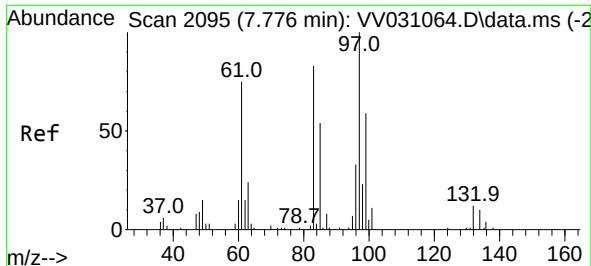
Tgt Ion: 75 Resp: 44915

Ion Ratio Lower Upper

75 100

77 33.8 21.6 40.0

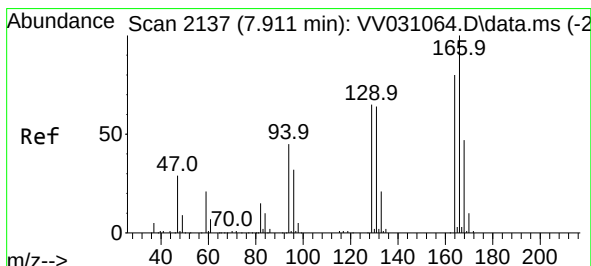
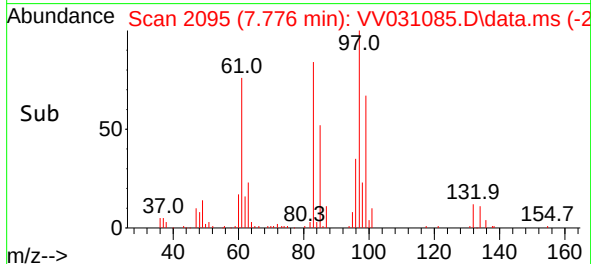
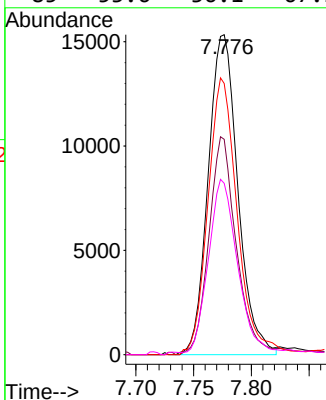
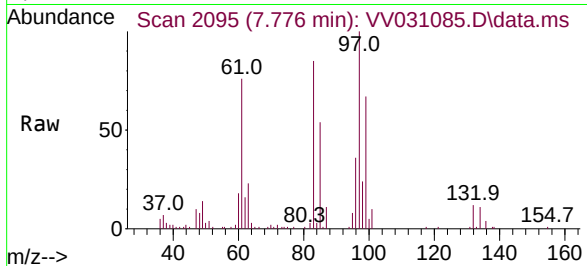




#45
1,1,2-Trichloroethane
Concen: 5.277 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV031085.D
Acq: 18 May 2023 09:38

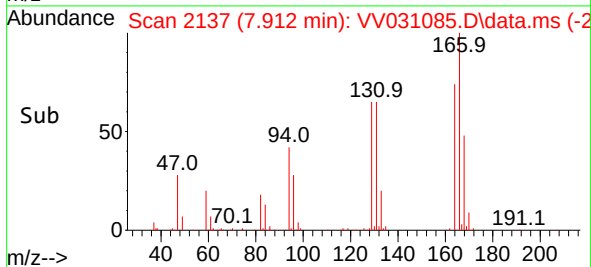
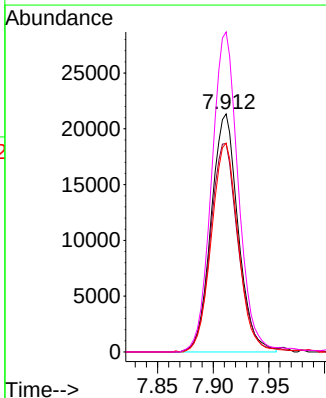
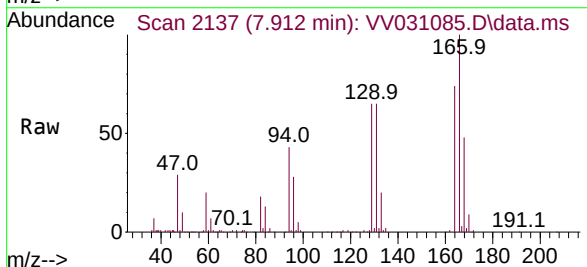
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

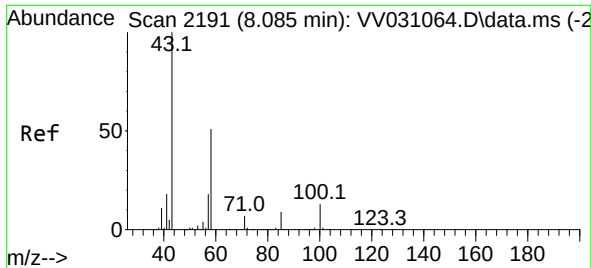
Tgt Ion:	97	Resp:	27483
Ion	Ratio	Lower	Upper
97	100		
99	67.3	42.8	79.6
83	84.8	57.5	106.7
85	53.6	36.1	67.1



#47
Tetrachloroethene
Concen: 4.774 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031085.D
Acq: 18 May 2023 09:38

Tgt Ion:	164	Resp:	35926
Ion	Ratio	Lower	Upper
164	100		
129	87.5	60.5	112.3
131	87.7	60.8	112.8
166	134.4	85.9	159.5



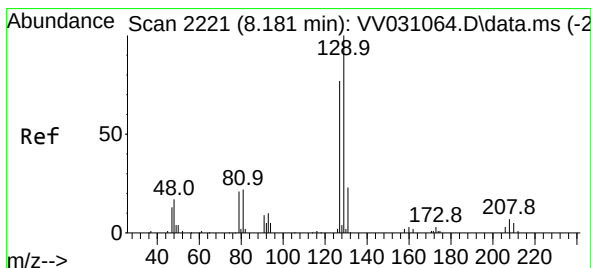
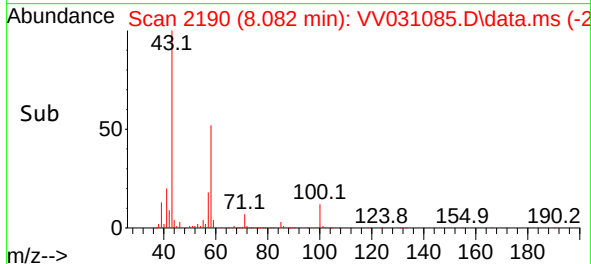
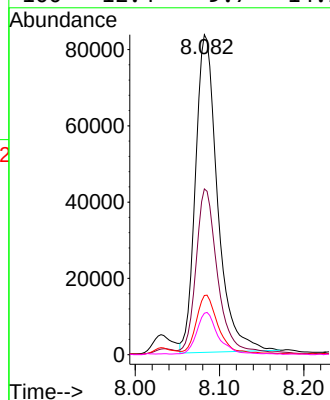
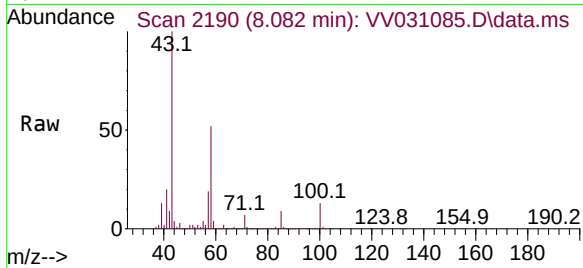


#48
2-Hexanone
Concen: 54.539 ug/L
RT: 8.082 min Scan# 2191
Delta R.T. -0.003 min
Lab File: VV031085.D
Acq: 18 May 2023 09:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

Tgt Ion: 43 Resp: 152126

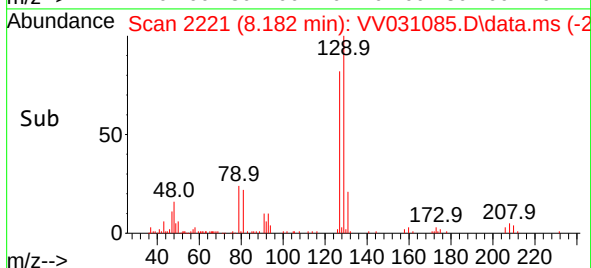
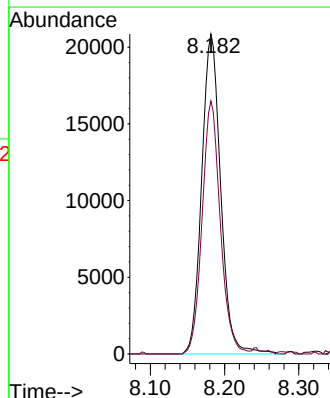
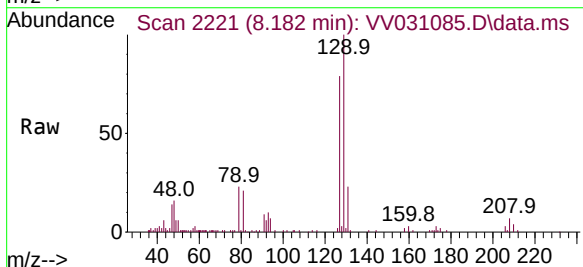
Ion	Ratio	Lower	Upper
43	100		
58	49.6	39.9	59.9
57	18.3	14.1	21.1
100	12.4	9.7	14.5

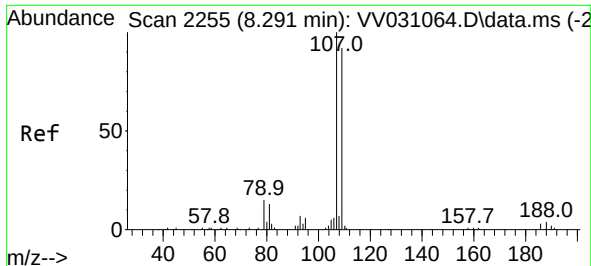


#49
Dibromochloromethane
Concen: 5.643 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031085.D
Acq: 18 May 2023 09:38

Tgt Ion: 129 Resp: 36973

Ion	Ratio	Lower	Upper
129	100		
127	79.1	55.3	102.7





#50

1,2-Dibromoethane

Concen: 5.320 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

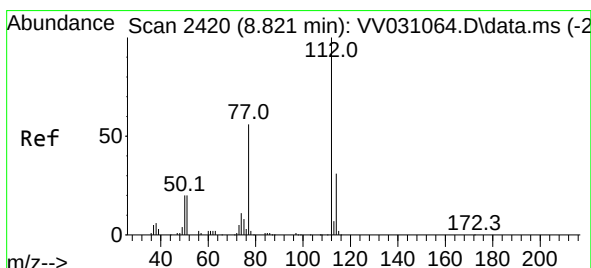
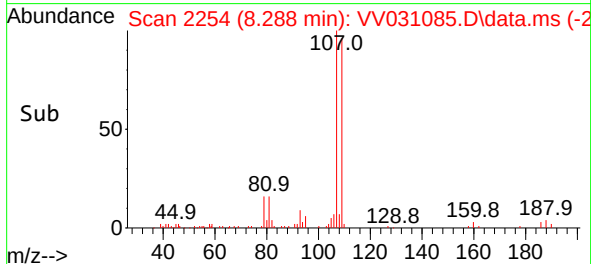
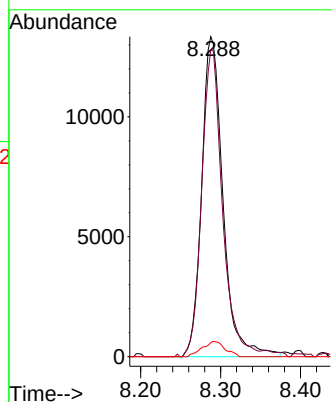
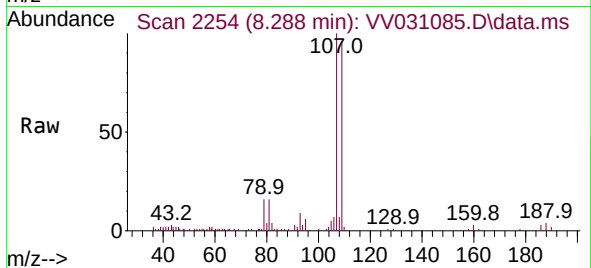
Tgt Ion:107 Resp: 24711

Ion Ratio Lower Upper

107 100

109 95.9 64.9 120.5

188 4.4 3.2 4.8



#51

Chlorobenzene

Concen: 5.059 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.003 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

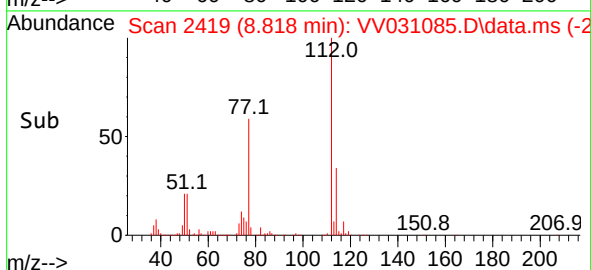
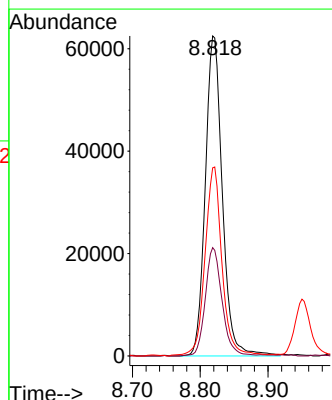
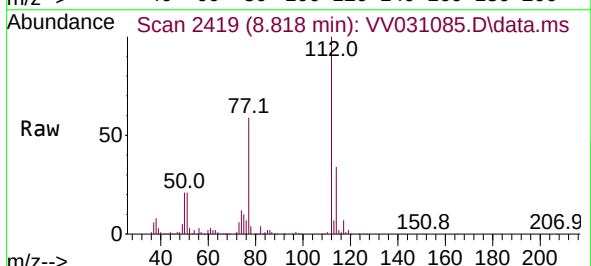
Tgt Ion:112 Resp: 109267

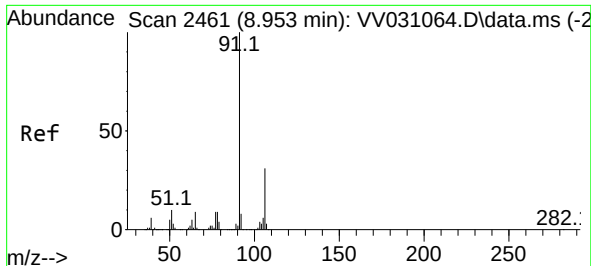
Ion Ratio Lower Upper

112 100

114 33.9 22.5 41.9

77 58.8 45.3 67.9





#52

Ethylbenzene

Concen: 5.091 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.000 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

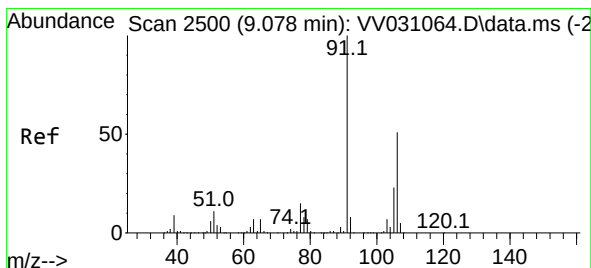
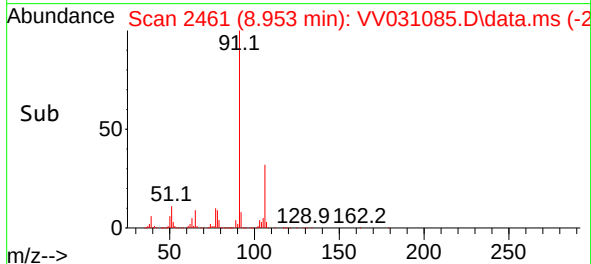
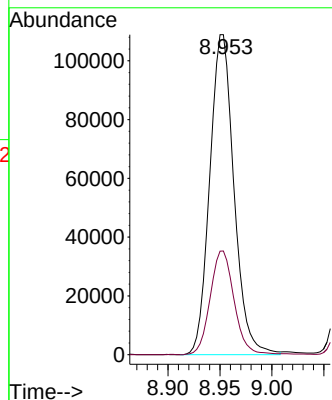
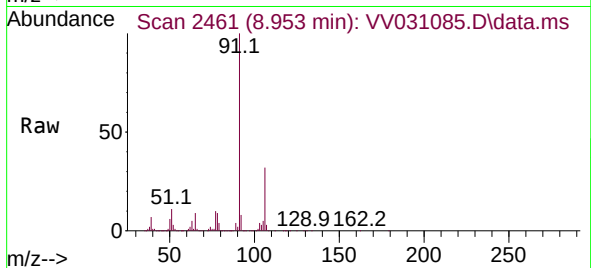
VSTD005355

Tgt Ion: 91 Resp: 176816

Ion Ratio Lower Upper

91 100

106 32.4 21.4 39.8



#53

m,p-Xylene

Concen: 5.057 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031085.D

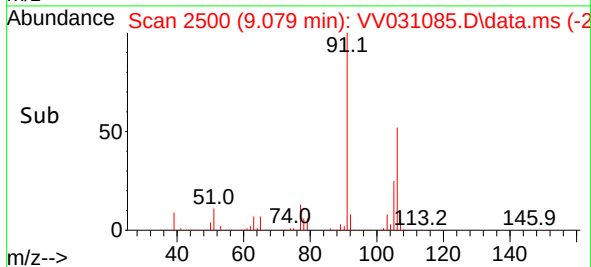
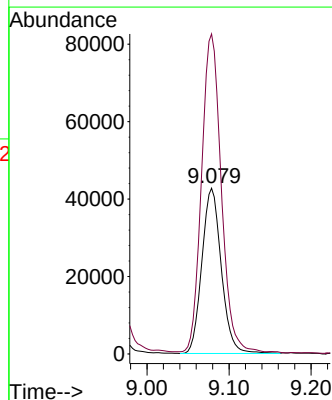
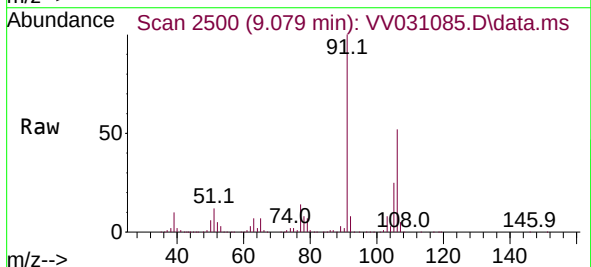
Acq: 18 May 2023 09:38

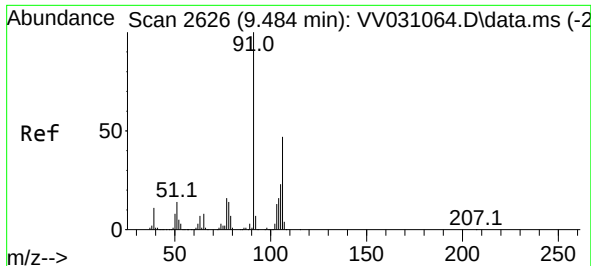
Tgt Ion: 106 Resp: 70091

Ion Ratio Lower Upper

106 100

91 193.1 138.7 257.5

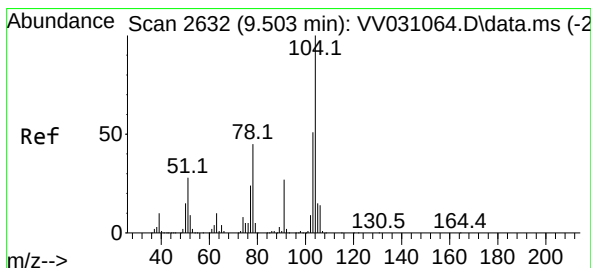
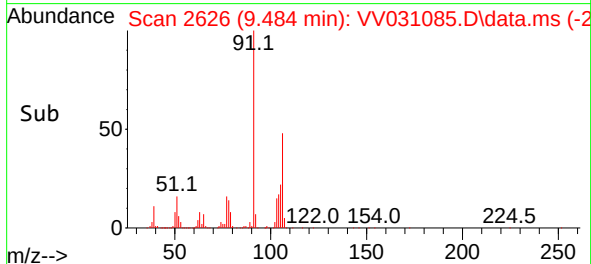
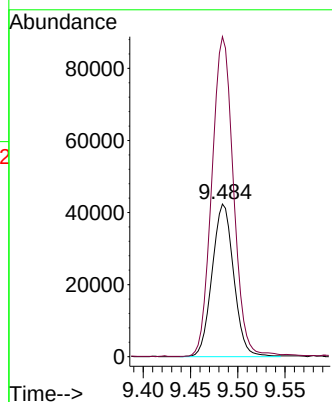
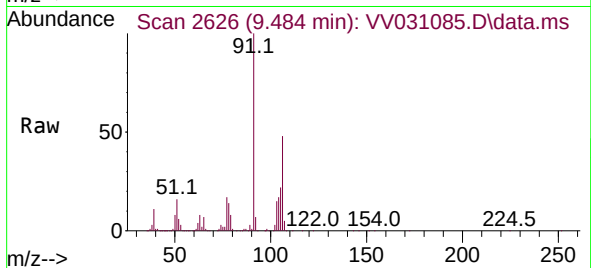




#54
o-Xylene
Concen: 5.103 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031085.D
Acq: 18 May 2023 09:38

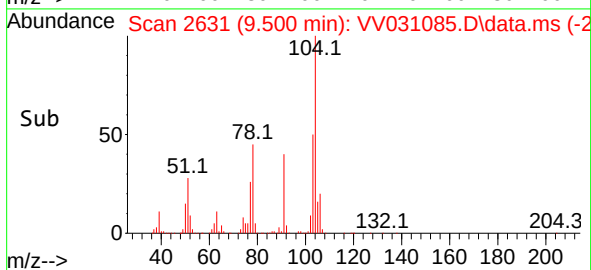
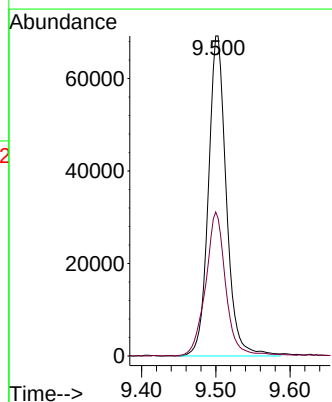
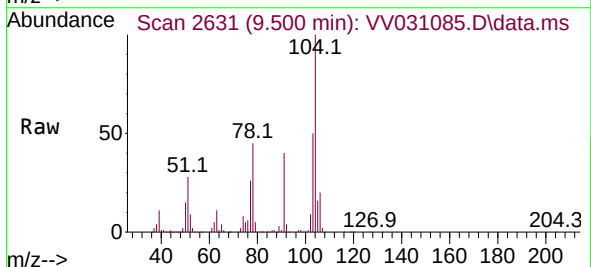
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

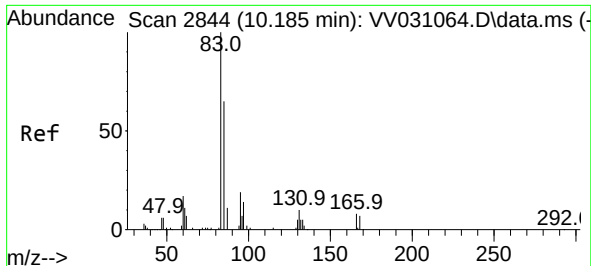
Tgt Ion:106 Resp: 67311
Ion Ratio Lower Upper
106 100
91 209.7 145.1 269.5



#55
Styrene
Concen: 5.224 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.003 min
Lab File: VV031085.D
Acq: 18 May 2023 09:38

Tgt Ion:104 Resp: 116275
Ion Ratio Lower Upper
104 100
78 45.0 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.465 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

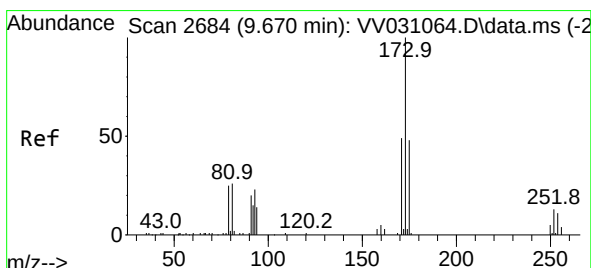
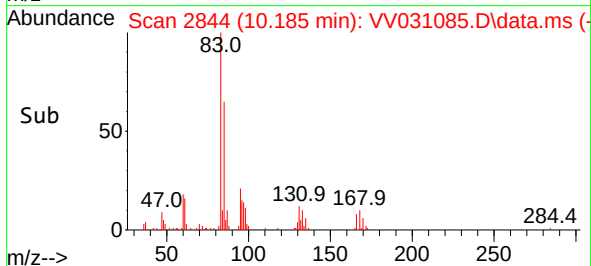
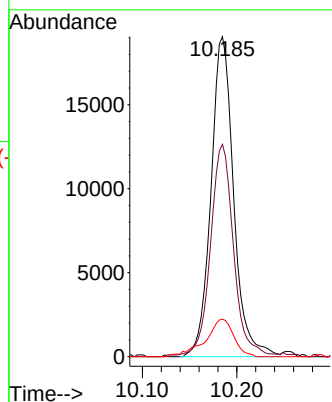
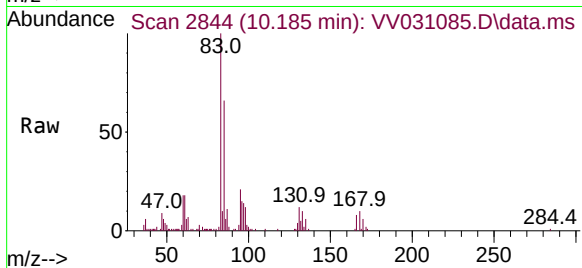
Tgt Ion: 83 Resp: 31814

Ion Ratio Lower Upper

83 100

85 66.3 45.2 84.0

131 11.8 8.3 12.5



#59

Bromoform

Concen: 5.099 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.000 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

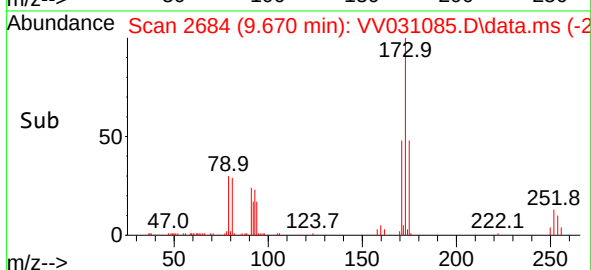
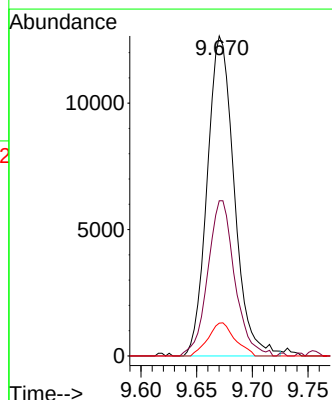
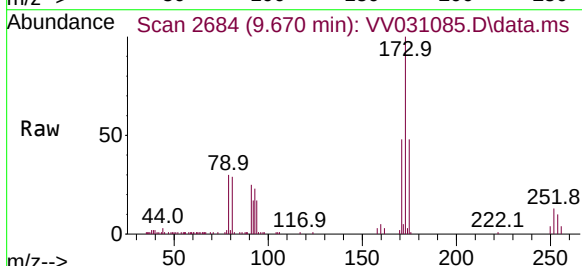
Tgt Ion: 173 Resp: 21328

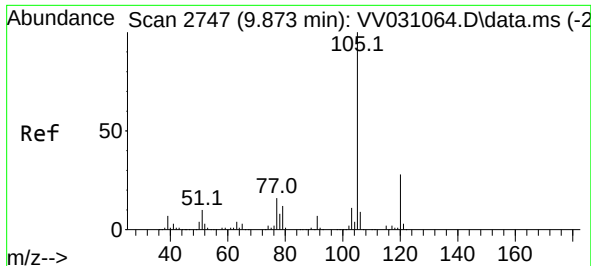
Ion Ratio Lower Upper

173 100

175 48.6 39.9 59.9

254 10.3 9.7 14.5

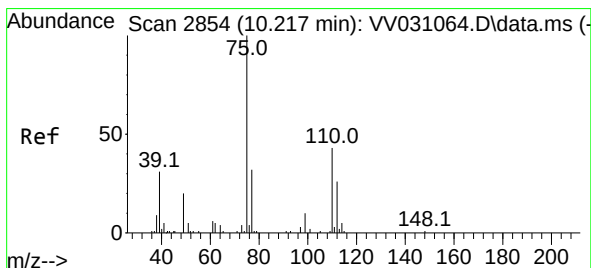
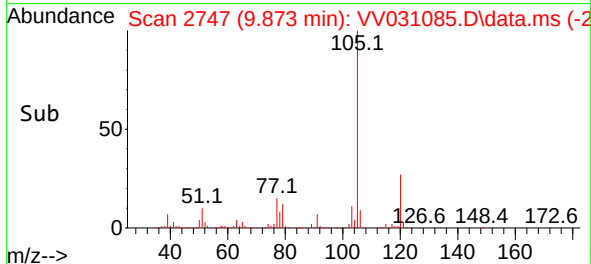
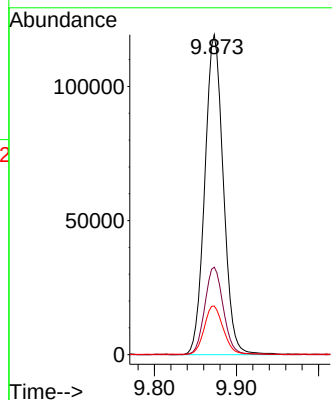
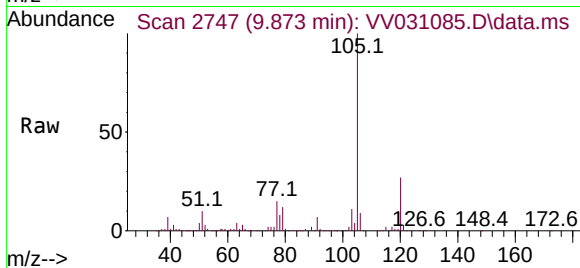




#60
Isopropylbenzene
Concen: 4.883 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031085.D
Acq: 18 May 2023 09:38

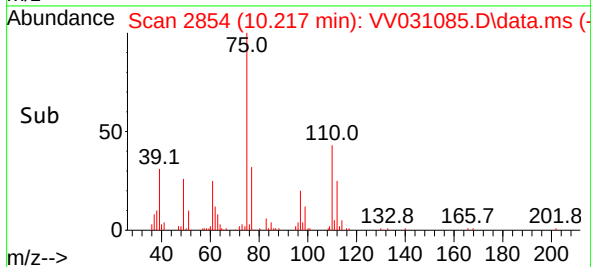
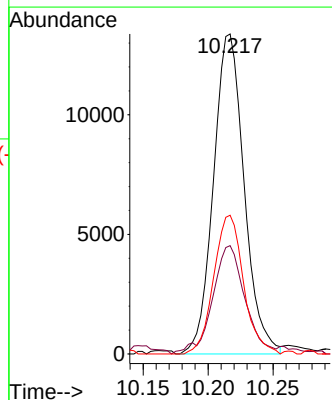
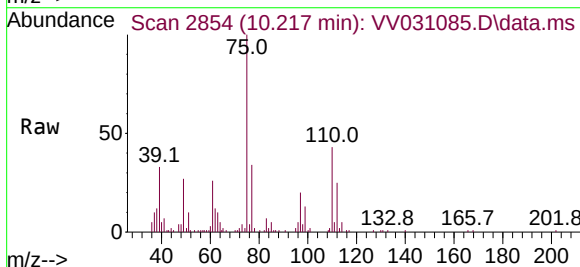
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

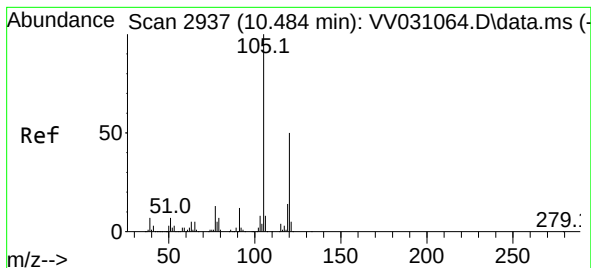
Tgt Ion:105 Resp: 187084
Ion Ratio Lower Upper
105 100
120 27.6 22.2 33.4
77 15.4 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 4.920 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV031085.D
Acq: 18 May 2023 09:38

Tgt Ion: 75 Resp: 21963
Ion Ratio Lower Upper
75 100
77 35.6 25.3 37.9
110 42.1 34.0 51.0





#62

1,3,5-Trimethylbenzene

Concen: 4.752 ug/L

RT: 10.481 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

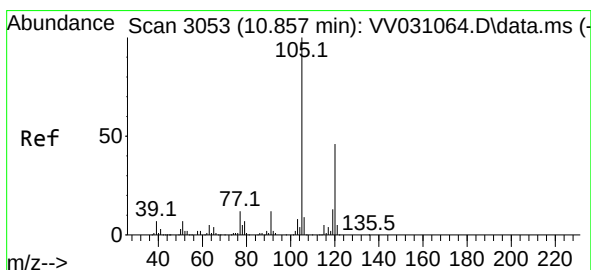
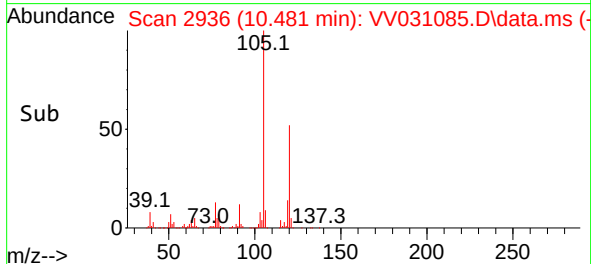
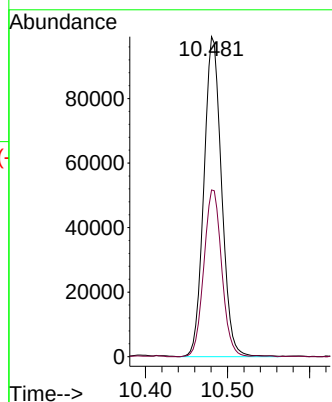
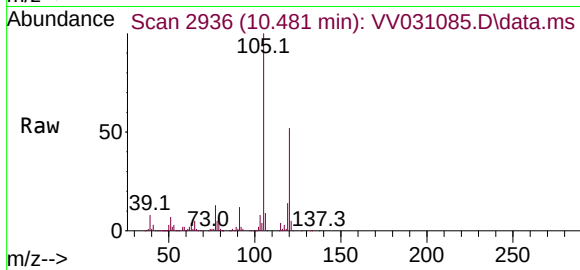
VSTD005355

Tgt Ion:105 Resp: 148228

Ion Ratio Lower Upper

105 100

120 52.6 40.2 60.4



#63

1,2,4-Trimethylbenzene

Concen: 4.767 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV031085.D

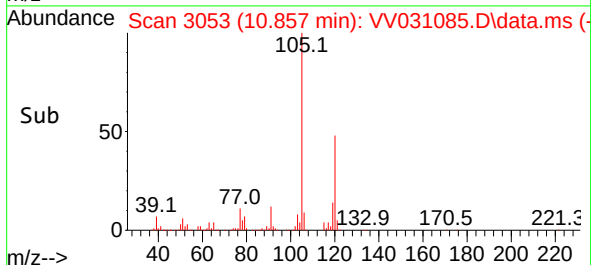
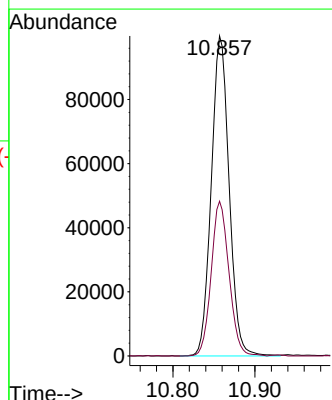
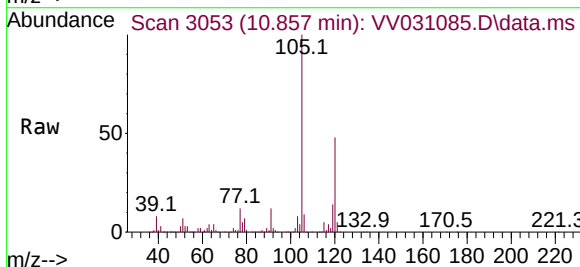
Acq: 18 May 2023 09:38

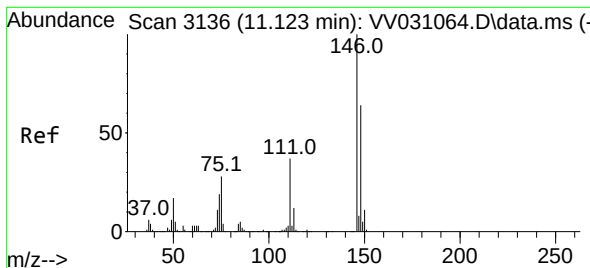
Tgt Ion:105 Resp: 150642

Ion Ratio Lower Upper

105 100

120 48.2 37.9 56.9





#64

1,3-Dichlorobenzene

Concen: 5.095 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

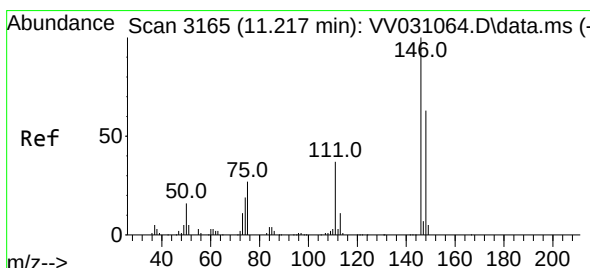
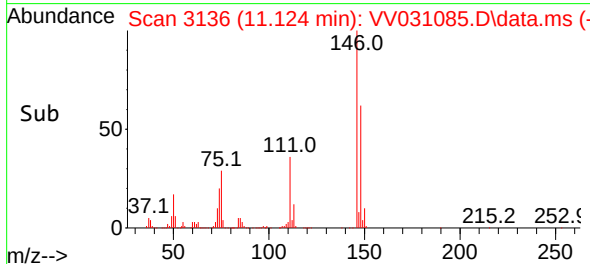
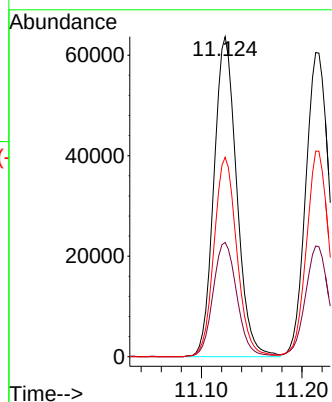
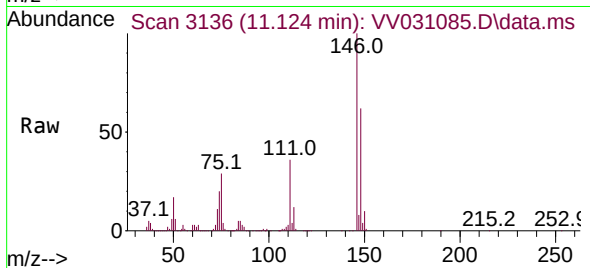
Tgt Ion:146 Resp: 100248

Ion Ratio Lower Upper

146 100

111 35.7 26.5 49.3

148 62.3 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 5.014 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. -0.003 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

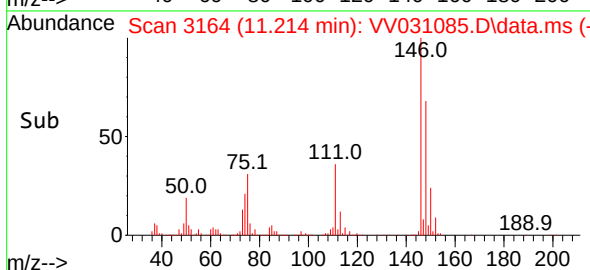
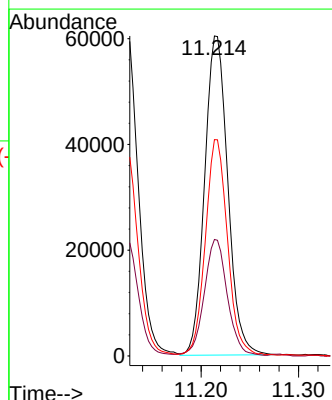
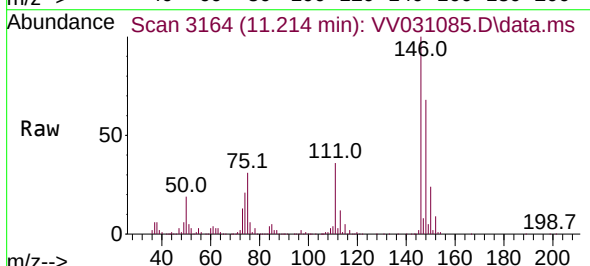
Tgt Ion:146 Resp: 99535

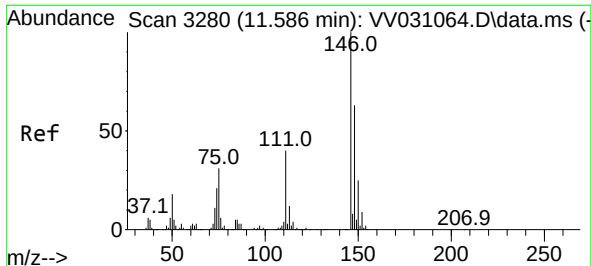
Ion Ratio Lower Upper

146 100

111 36.4 23.9 44.5

148 67.6 42.8 79.6

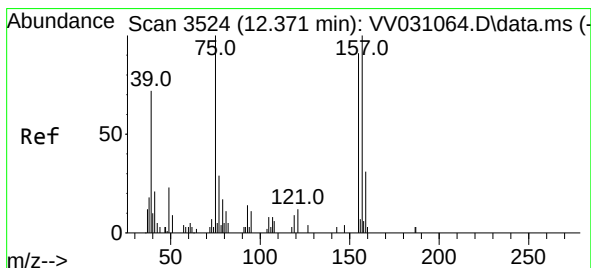
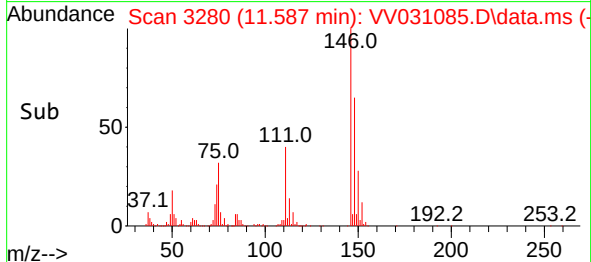
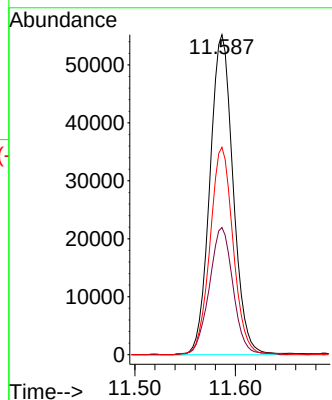
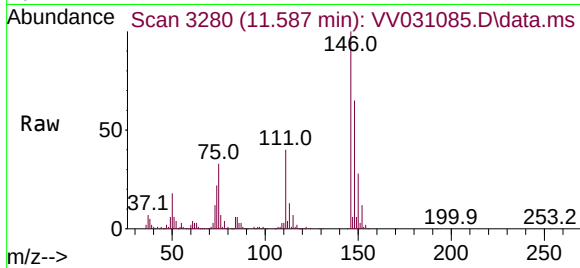




#67
 1,2-Dichlorobenzene
 Concen: 5.002 ug/L
 RT: 11.587 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV031085.D
 Acq: 18 May 2023 09:38

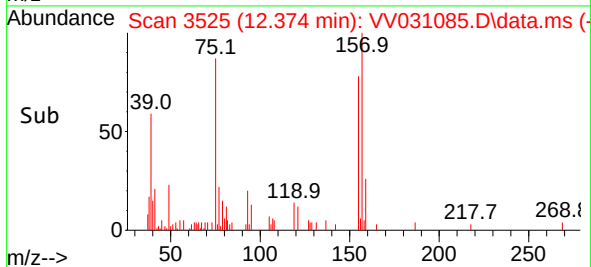
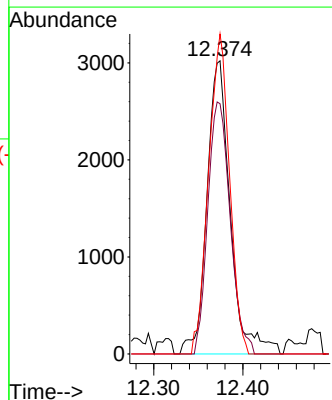
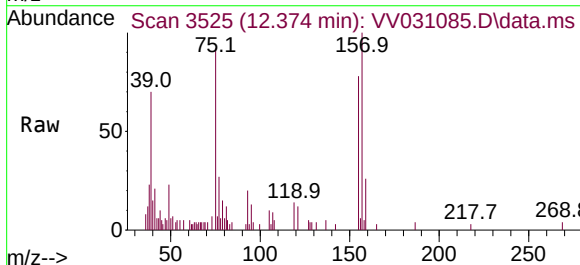
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005355

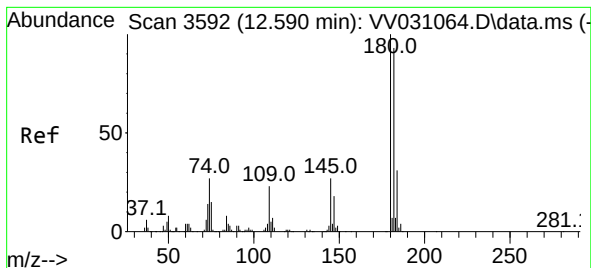
Tgt Ion:	146	Resp:	88498
Ion	Ratio	Lower	Upper
146	100		
111	39.8	34.0	51.0
148	64.8	53.8	80.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.851 ug/L
 RT: 12.374 min Scan# 3525
 Delta R.T. 0.003 min
 Lab File: VV031085.D
 Acq: 18 May 2023 09:38

Tgt Ion:	75	Resp:	5497
Ion	Ratio	Lower	Upper
75	100		
155	85.4	56.2	84.4#
157	109.2	83.1	124.7





#69

1,3,5-Trichlorobenzene

Concen: 4.856 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

Tgt Ion:180 Resp: 75652

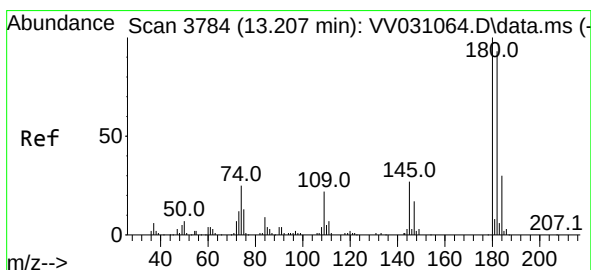
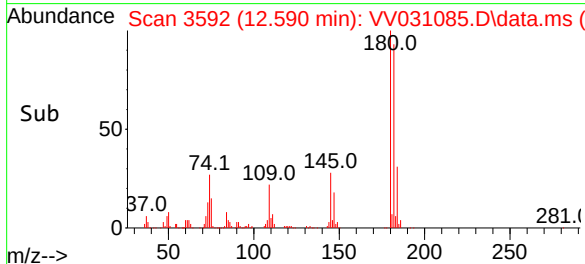
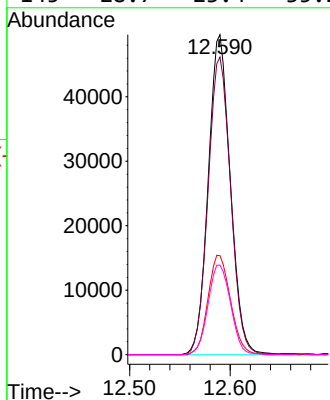
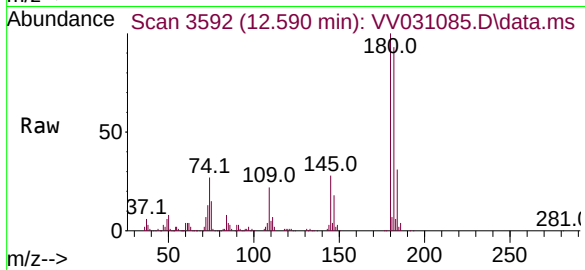
Ion Ratio Lower Upper

180 100

182 95.2 75.1 112.7

184 31.8 24.1 36.1

145 28.7 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 4.851 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.003 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

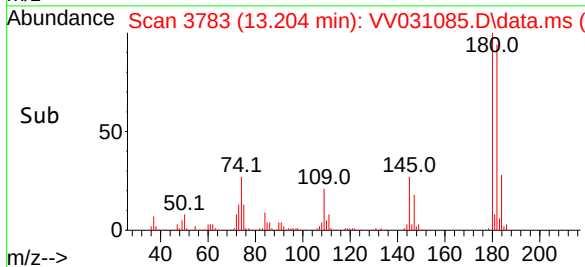
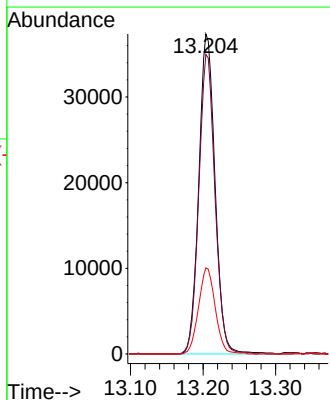
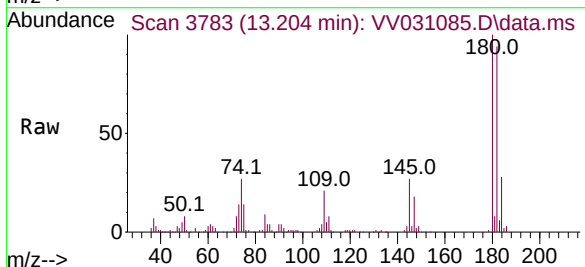
Tgt Ion:180 Resp: 58080

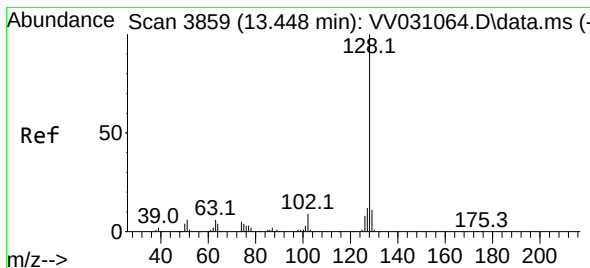
Ion Ratio Lower Upper

180 100

182 93.1 76.0 114.0

145 27.7 22.9 34.3





#71

Naphthalene

Concen: 3.916 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

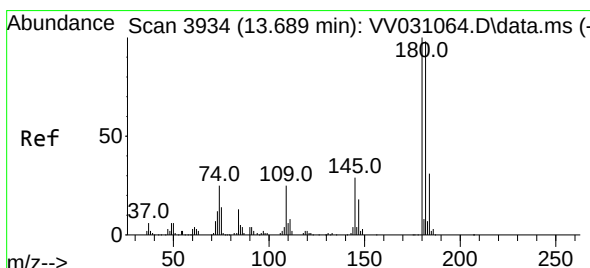
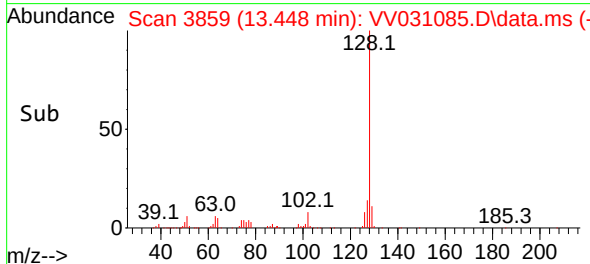
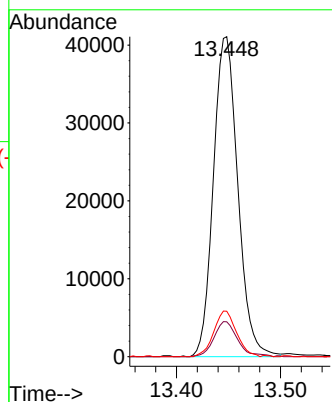
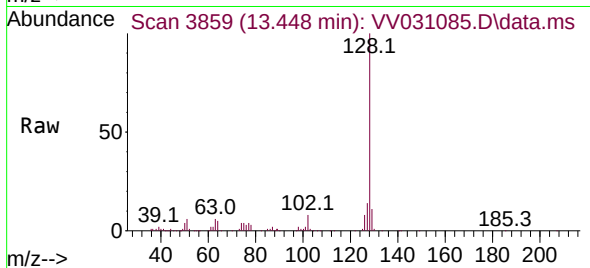
Tgt Ion:128 Resp: 67225

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

127 13.3 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.641 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.003 min

Lab File: VV031085.D

Acq: 18 May 2023 09:38

Tgt Ion:180 Resp: 47033

Ion Ratio Lower Upper

180 100

182 94.0 77.3 115.9

145 30.4 24.7 37.1

