

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051723\
 Data File : VW031083.D
 Acq On : 17 May 2023 18:59
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005354

Quant Time: May 18 02:52:27 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	5.542	114	138065	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	134567	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	78980	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	37606	3.306	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.200%
7) Chloroethane-d5	1.539	69	40514	4.366	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.400%
11) 1,1-Dichloroethene-d2	2.063	65	21560	3.581	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.600%
20) 2-Butanone-d5	3.815	46	99107	49.132	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.260%
24) Chloroform-d	4.259	84	107066	4.736	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	4.953	65	55528	4.832	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
32) Benzene-d6	4.969	84	178451	4.524	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	5.995	67	51313	4.474	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.400%
41) Toluene-d8	7.249	98	167477	4.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	7.561	79	19329	4.496	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.034	63	77225	51.266	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.540%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	40609	4.885	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.600%
66) 1,2-Dichlorobenzene-d4	11.567	152	65059	4.419	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	42429	3.890	ug/L	99
3) Chloromethane	1.217	50	45293	3.538	ug/L	98
5) Vinyl chloride	1.288	62	42724	3.988	ug/L	97
6) Bromomethane	1.494	94	20488	4.015	ug/L	92
8) Chloroethane	1.555	64	26224	4.022	ug/L	99
9) Trichlorofluoromethane	1.719	101	87600	4.432	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	44176	4.378	ug/L	99
12) 1,1-Dichloroethene	2.076	96	38125	4.103	ug/L	86
13) Acetone	2.143	43	62045	36.009	ug/L	78
14) Carbon disulfide	2.246	76	80465	3.310	ug/L	99
15) Methyl Acetate	2.391	43	12358	3.525	ug/L	97
16) Methylene chloride	2.455	84	39009	3.711	ug/L	98
17) Methyl tert-butyl Ether	2.712	73	75882	4.290	ug/L	99
18) trans-1,2-Dichloroethene	2.703	96	33456	3.942	ug/L	99
19) 1,1-Dichloroethane	3.117	63	72852	4.445	ug/L	99
21) 2-Butanone	3.899	43	76990	40.628	ug/L	93
22) cis-1,2-Dichloroethene	3.825	96	39285	4.387	ug/L	95
23) Bromochloromethane	4.159	128	19248	4.565	ug/L	95
25) Chloroform	4.285	83	83360	4.741	ug/L	98

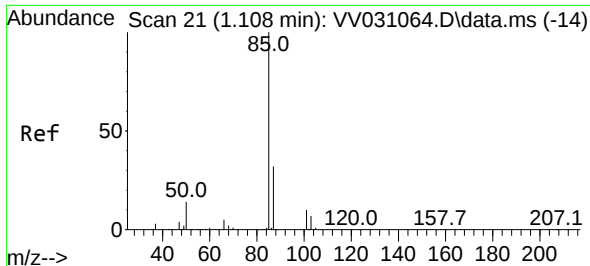
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051723\
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	52916	4.795	ug/L	99
29) 1,1,1-Trichloroethane	4.522	97	79500	4.702	ug/L	99
30) Cyclohexane	4.593	56	49164	3.849	ug/L	97
31) Carbon tetrachloride	4.744	117	68473	4.508	ug/L	99
33) Benzene	5.021	78	155111	4.582	ug/L	100
34) Trichloroethene	5.841	95	39821	4.413	ug/L	94
35) Methylcyclohexane	6.059	83	54807	3.920	ug/L	99
37) 1,2-Dichloropropane	6.101	63	37641	4.688	ug/L #	95
38) Bromodichloromethane	6.439	83	54391	4.629	ug/L #	96
39) cis-1,3-Dichloropropene	6.963	75	50113	4.167	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	196112	47.143	ug/L	98
42) Toluene	7.323	91	170325	4.674	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	44959	4.388	ug/L	100
45) 1,1,2-Trichloroethane	7.776	97	27838	4.673	ug/L	97
47) Tetrachloroethene	7.911	164	37202	4.322	ug/L	97
48) 2-Hexanone	8.085	43	155835	48.842	ug/L	99
49) Dibromochloromethane	8.185	129	35475	4.733	ug/L	99
50) 1,2-Dibromoethane	8.291	107	25894	4.873	ug/L	99
51) Chlorobenzene	8.821	112	112413	4.550	ug/L	98
52) Ethylbenzene	8.953	91	177628	4.471	ug/L	96
53) m,p-Xylene	9.079	106	70762	4.463	ug/L	94
54) o-Xylene	9.484	106	67476	4.472	ug/L	97
55) Styrene	9.503	104	119094	4.677	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	32071	4.816	ug/L	98
59) Bromoform	9.673	173	22251	4.786	ug/L	96
60) Isopropylbenzene	9.873	105	188981	4.438	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	22458	4.526	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	149565	4.314	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	150007	4.271	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	96812	4.427	ug/L	95
65) 1,4-Dichlorobenzene	11.217	146	98261	4.454	ug/L	98
67) 1,2-Dichlorobenzene	11.586	146	90369	4.596	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.374	75	5264	4.180	ug/L	98
69) 1,3,5-Trichlorobenzene	12.590	180	74419	4.298	ug/L	97
70) 1,2,4-trichlorobenzene	13.207	180	56399	4.239	ug/L	99
71) Naphthalene	13.448	128	71955	3.771	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	47765	4.240	ug/L	100

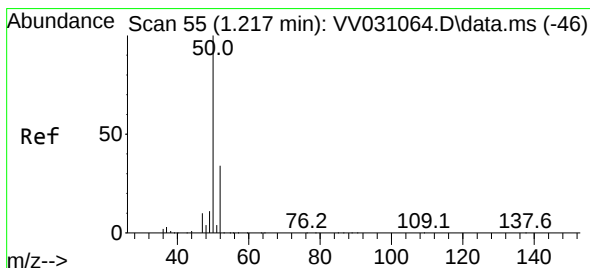
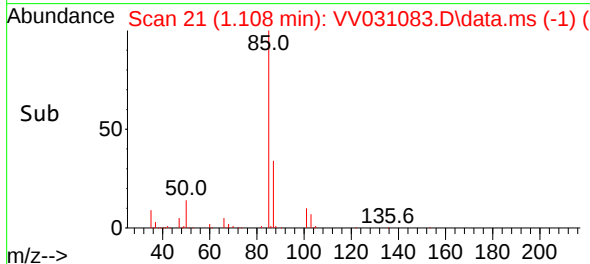
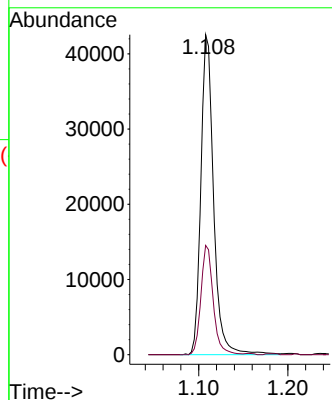
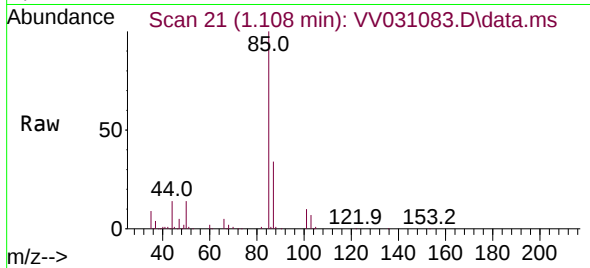
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#2
 Dichlorodifluoromethane
 Concen: 3.890 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031083.D
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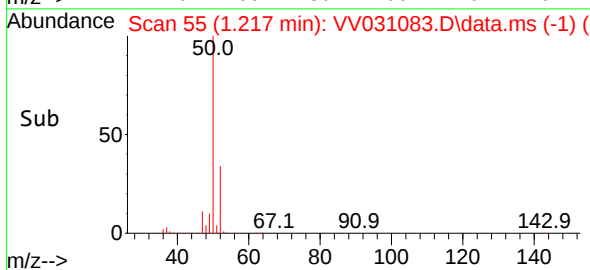
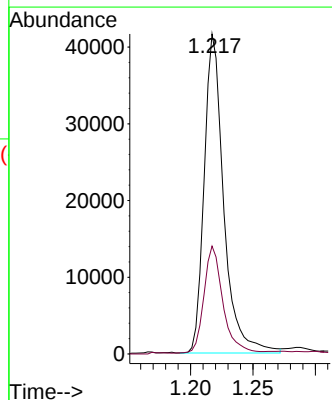
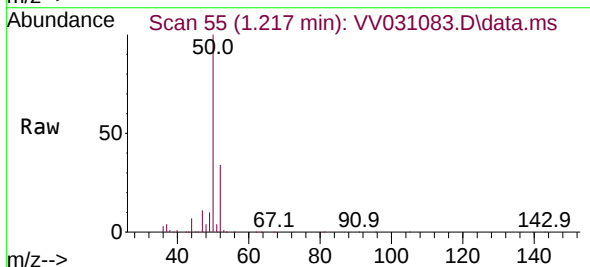
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005354

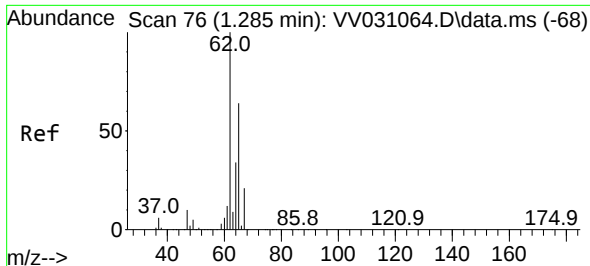
Tgt Ion: 85 Resp: 42429
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.8 38.6



#3
 Chloromethane
 Concen: 3.538 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031083.D
 Acq: 17 May 2023 18:59

Tgt Ion: 50 Resp: 45293
 Ion Ratio Lower Upper
 50 100
 52 33.7 22.8 42.4

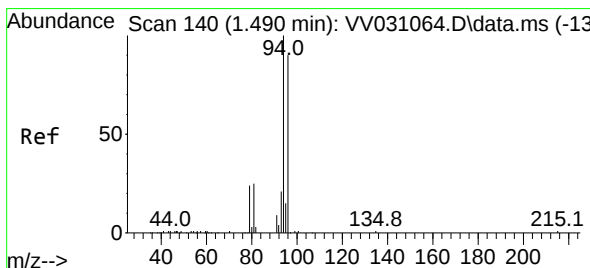
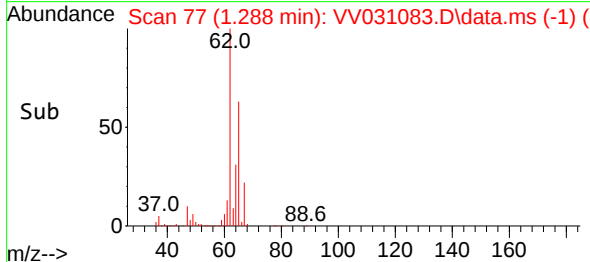
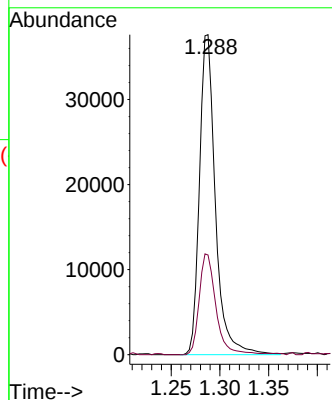
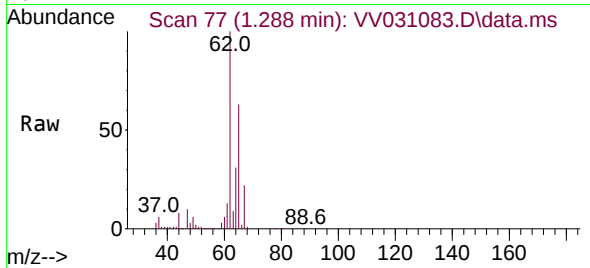




#5
 Vinyl chloride
 Concen: 3.988 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV031083.D
 Acq: 17 May 2023 18:59

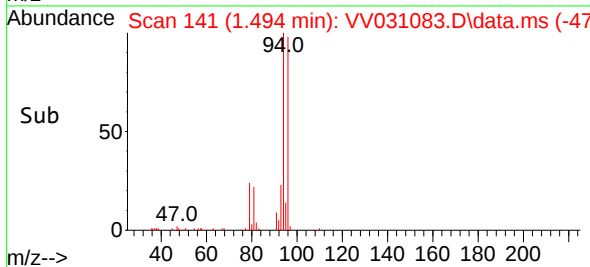
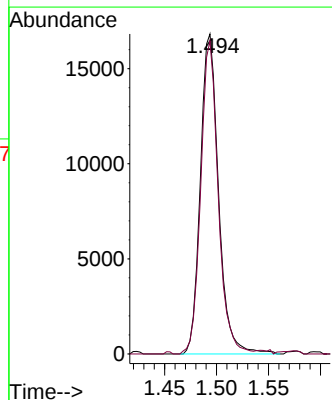
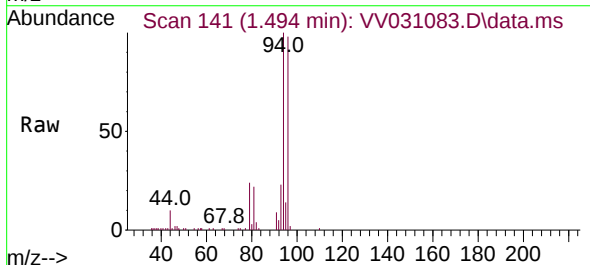
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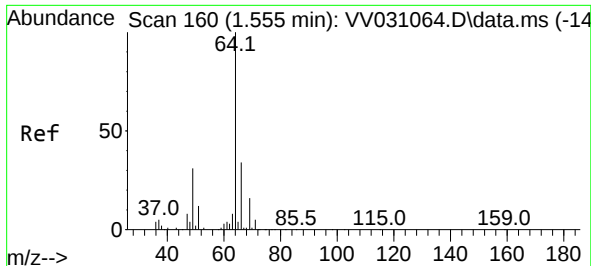
Tgt Ion: 62 Resp: 42724
 Ion Ratio Lower Upper
 62 100
 64 31.2 22.8 42.4



#6
 Bromomethane
 Concen: 4.015 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.003 min
 Lab File: VV031083.D
 Acq: 17 May 2023 18:59

Tgt Ion: 94 Resp: 20488
 Ion Ratio Lower Upper
 94 100
 96 97.8 63.4 117.8

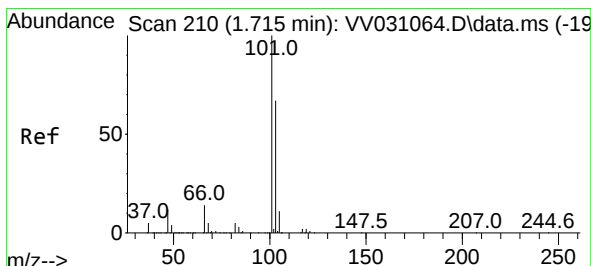
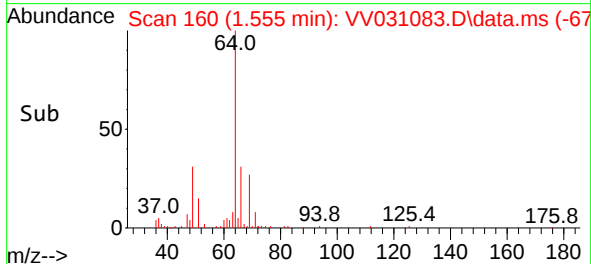
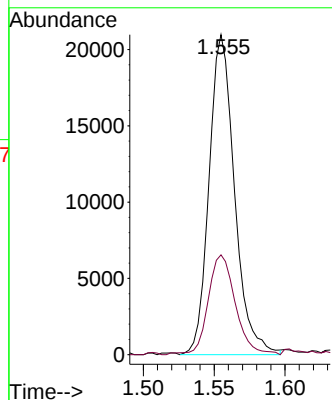
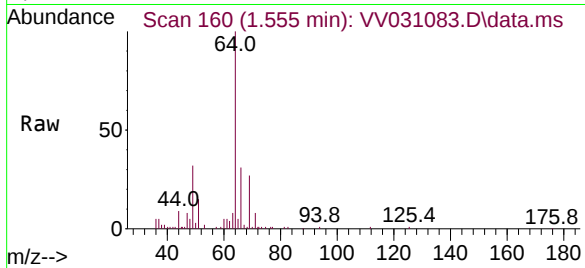




#8
Chloroethane
Concen: 4.022 ug/L
RT: 1.555 min Scan# 10
Delta R.T. 0.000 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

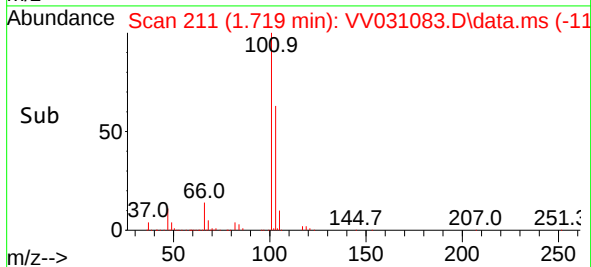
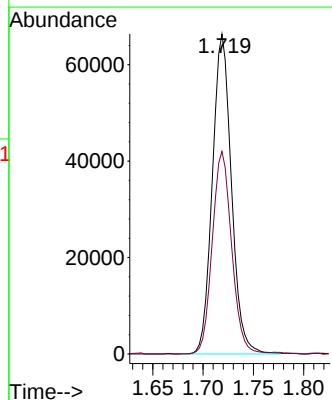
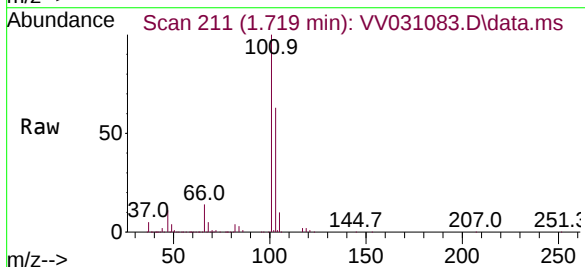
Instrument :
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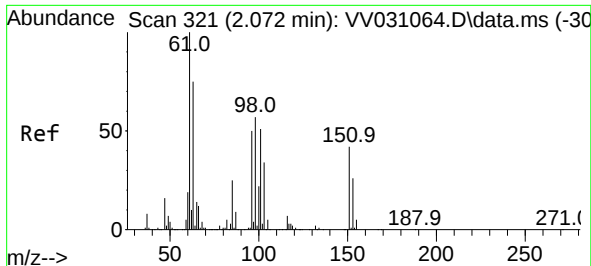
Tgt Ion: 64 Resp: 26224
Ion Ratio Lower Upper
64 100
66 31.2 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.432 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

Tgt Ion:101 Resp: 87600
Ion Ratio Lower Upper
101 100
103 64.2 51.8 77.8

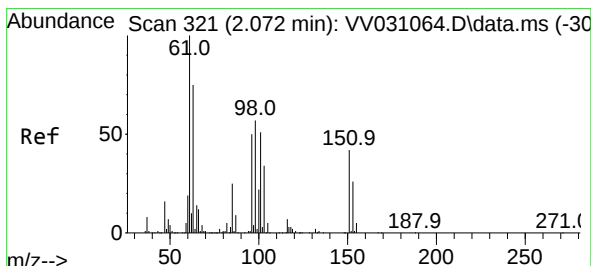
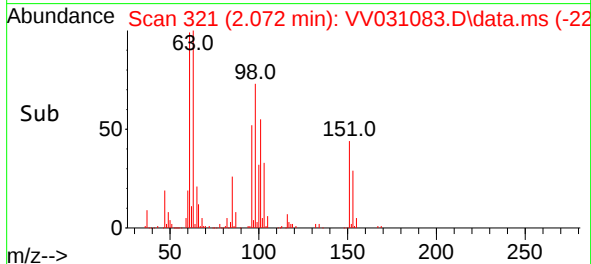
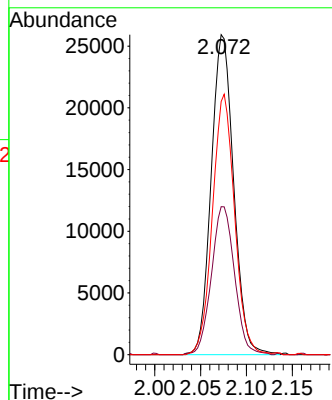
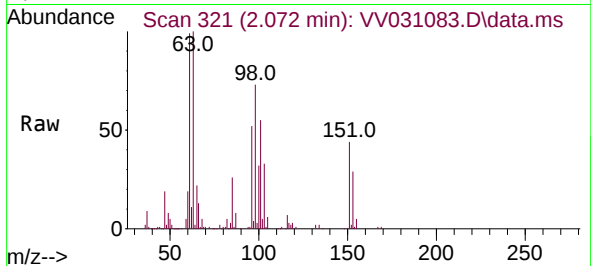




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.378 ug/L
RT: 2.072 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

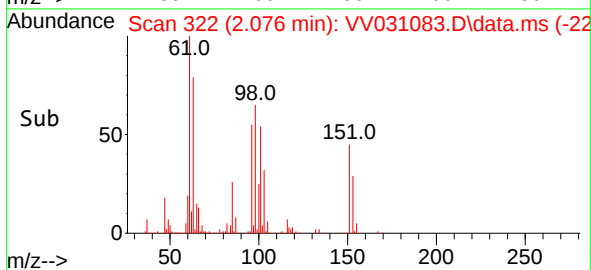
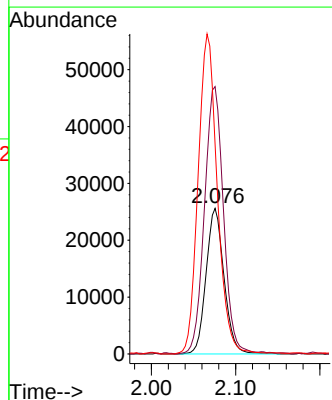
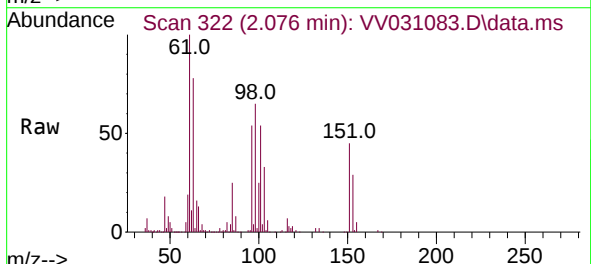
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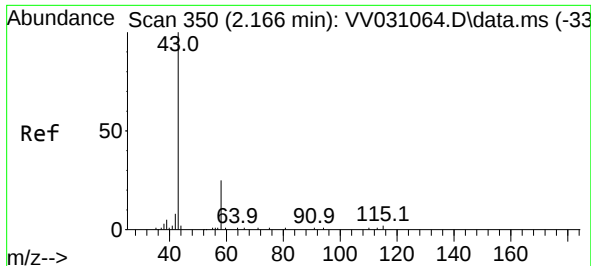
Tgt Ion:101 Resp: 44176
Ion Ratio Lower Upper
101 100
85 47.5 38.7 58.1
151 80.3 65.1 97.7



#12
1,1-Dichloroethene
Concen: 4.103 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.003 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

Tgt Ion: 96 Resp: 38125
Ion Ratio Lower Upper
96 100
61 183.5 135.6 251.8
63 144.0 121.1 224.9





#13

Acetone

Concen: 36.009 ug/L

RT: 2.143 min Scan# 34

Delta R.T. -0.022 min

Lab File: VV031083.D

Acq: 17 May 2023 18:59

Instrument :

MSVOA_V

ClientSampleId :

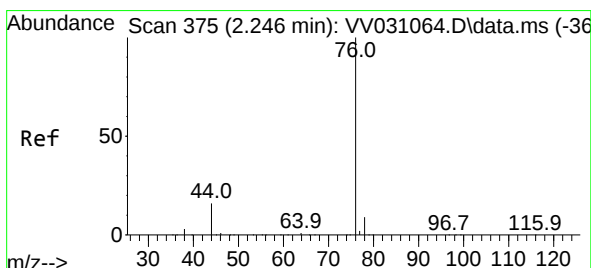
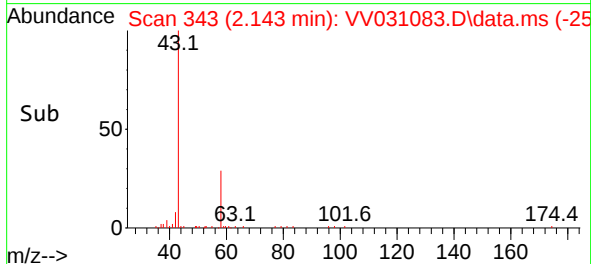
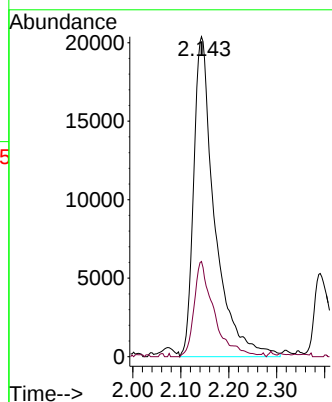
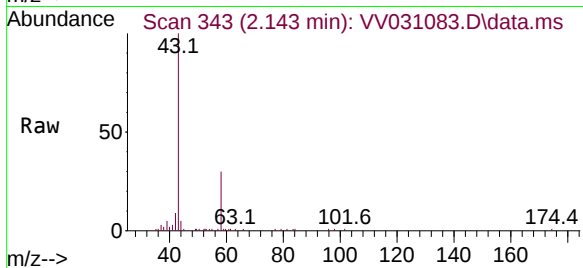
VSTD005354

Tgt Ion: 43 Resp: 62045

Ion Ratio Lower Upper

43 100

58 28.2 0.0 37.0



#14

Carbon disulfide

Concen: 3.310 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031083.D

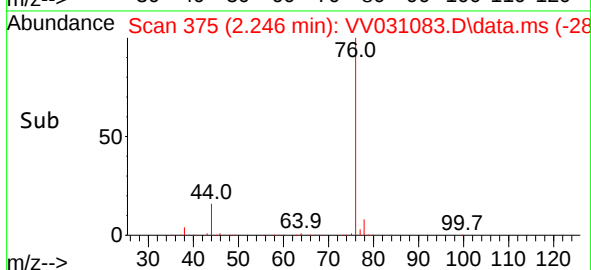
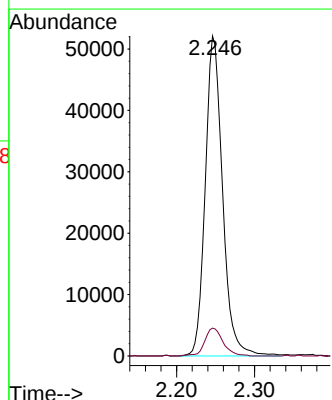
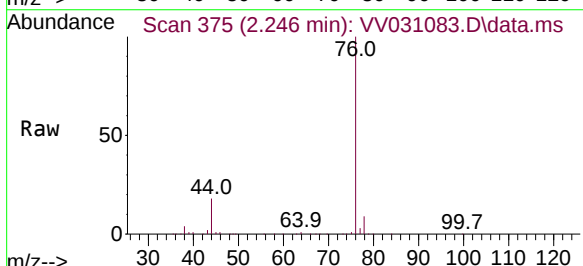
Acq: 17 May 2023 18:59

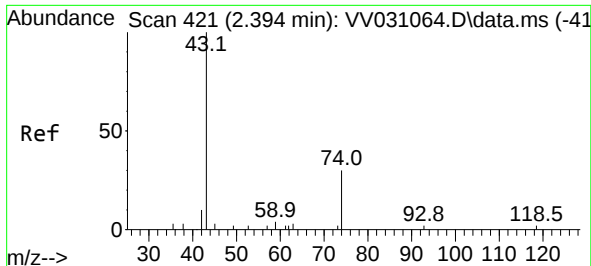
Tgt Ion: 76 Resp: 80465

Ion Ratio Lower Upper

76 100

78 8.7 6.8 10.2

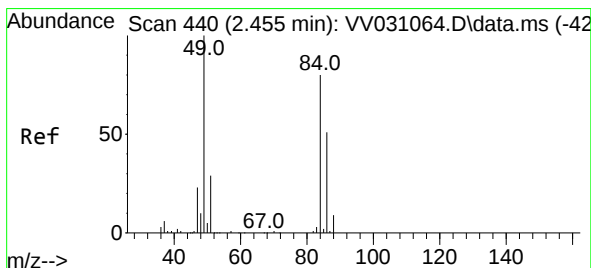
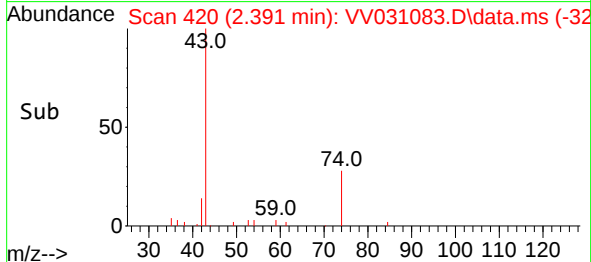
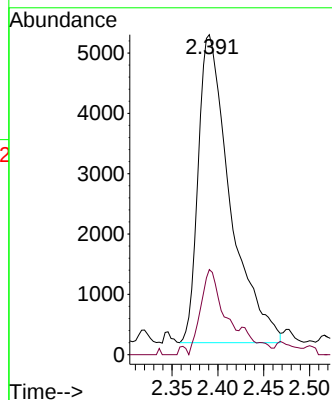
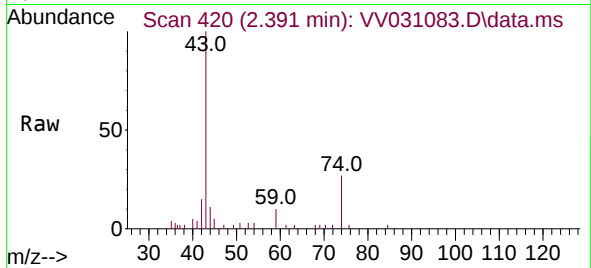




#15
Methyl Acetate
Concen: 3.525 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

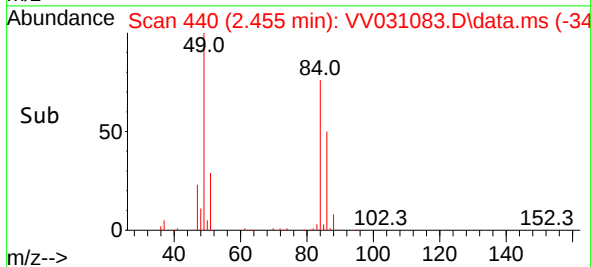
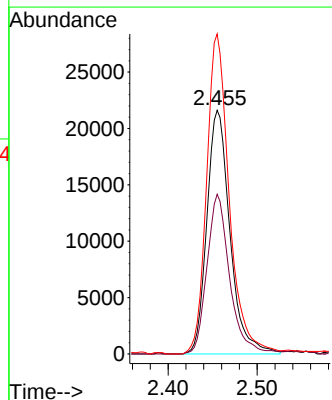
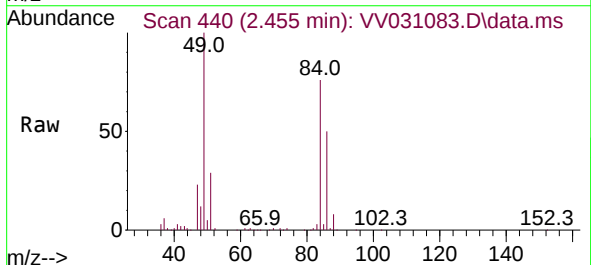
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

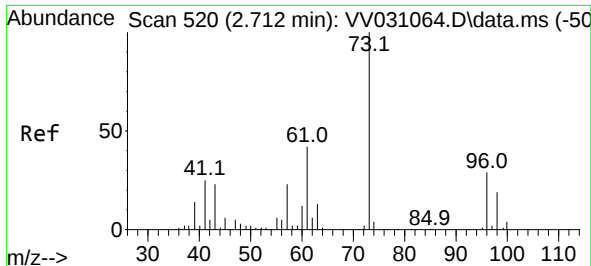
Tgt Ion: 43 Resp: 12358
Ion Ratio Lower Upper
43 100
74 20.0 15.0 22.6



#16
Methylene chloride
Concen: 3.711 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

Tgt Ion: 84 Resp: 39009
Ion Ratio Lower Upper
84 100
86 65.6 46.1 85.5
49 131.3 94.3 175.1

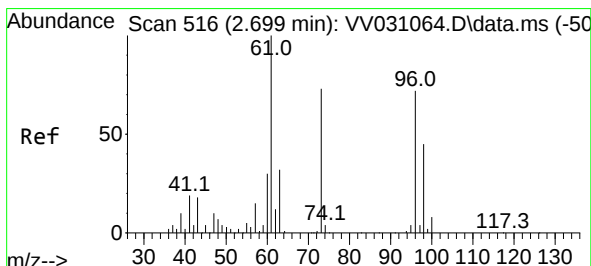
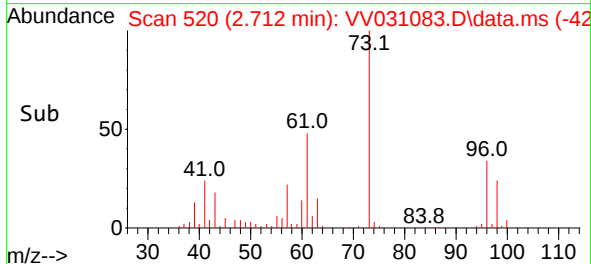
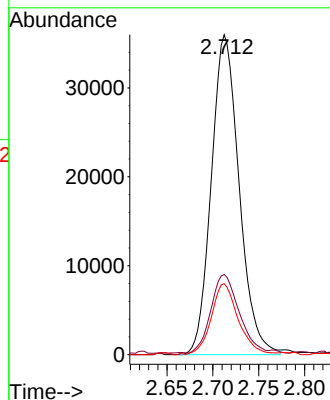
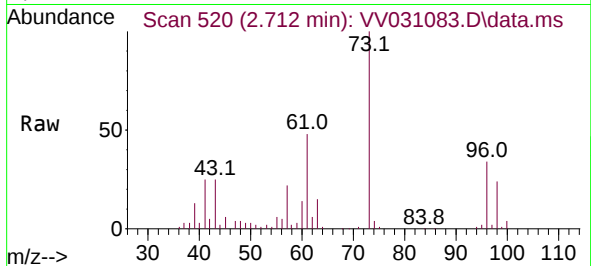




#17
Methyl tert-butyl Ether
Concen: 4.290 ug/L
RT: 2.712 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

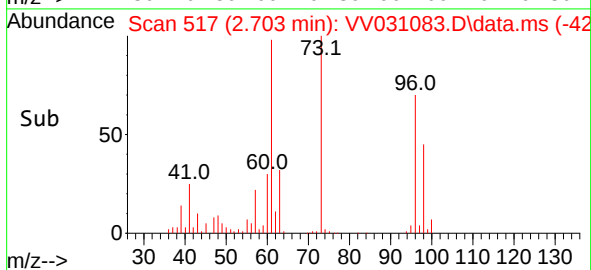
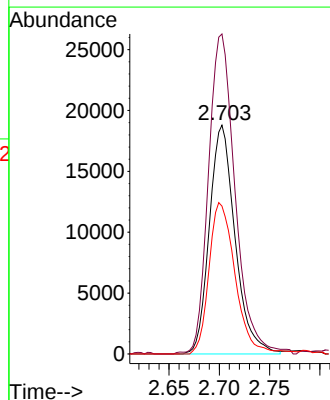
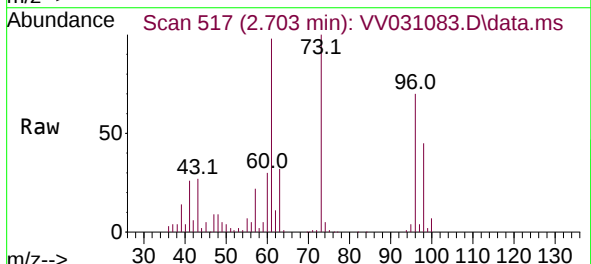
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

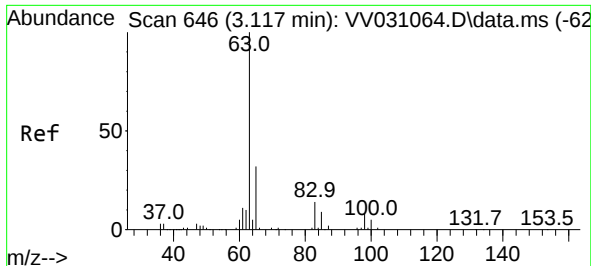
Tgt Ion: 73 Resp: 75882
Ion Ratio Lower Upper
73 100
43 24.8 19.9 29.9
57 21.5 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 3.942 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

Tgt Ion: 96 Resp: 33456
Ion Ratio Lower Upper
96 100
61 139.8 98.9 183.7
98 64.6 46.0 85.4

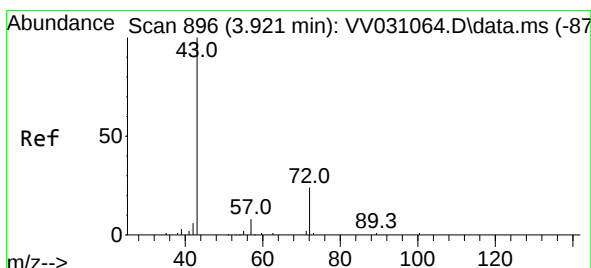
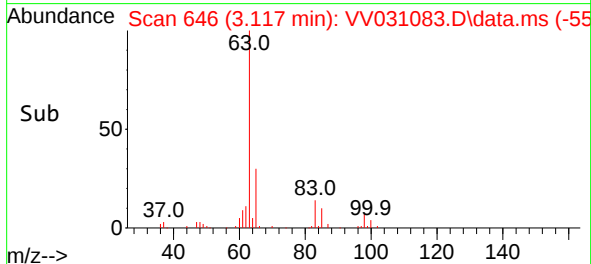
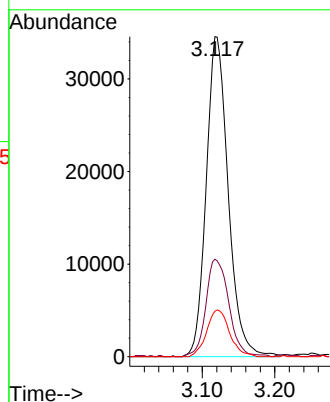
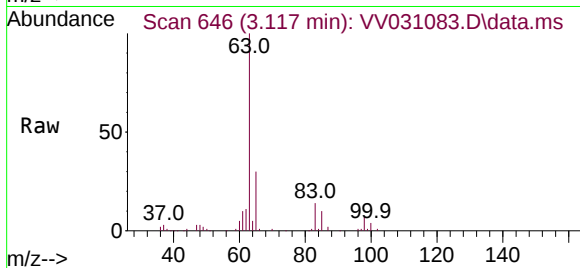




#19
1,1-Dichloroethane
Concen: 4.445 ug/L
RT: 3.117 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

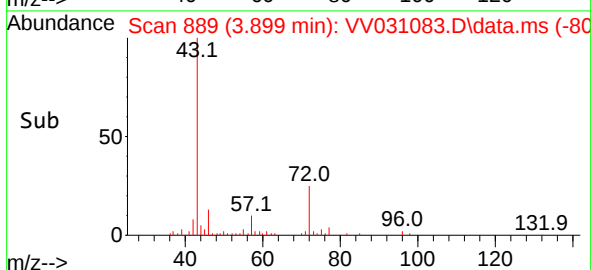
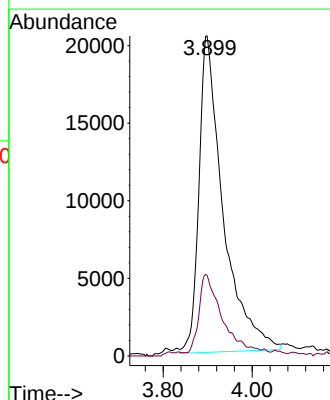
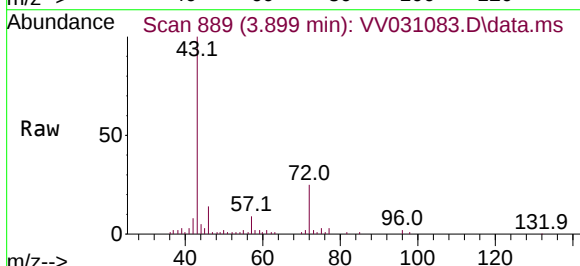
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

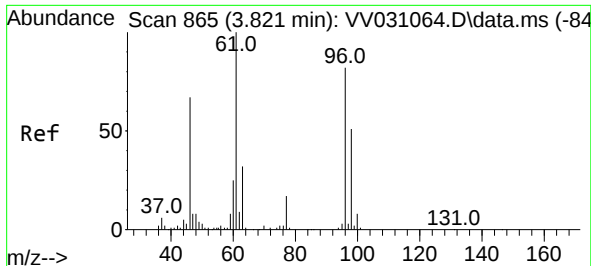
Tgt Ion: 63 Resp: 72852
Ion Ratio Lower Upper
63 100
65 30.4 21.8 40.6
83 14.2 10.2 19.0



#21
2-Butanone
Concen: 40.628 ug/L
RT: 3.899 min Scan# 889
Delta R.T. -0.022 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

Tgt Ion: 43 Resp: 76990
Ion Ratio Lower Upper
43 100
72 22.2 9.6 28.6

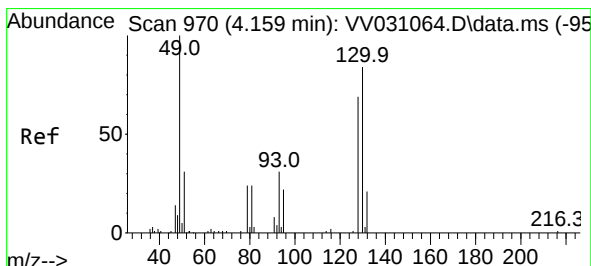
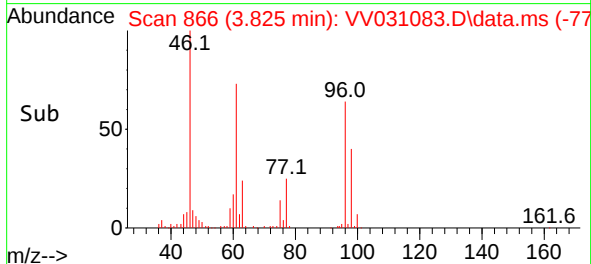
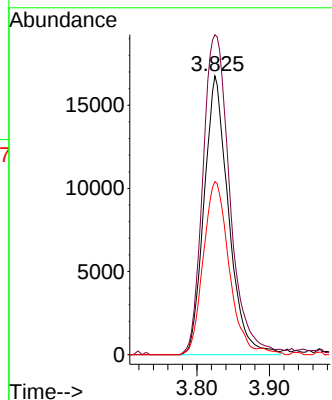
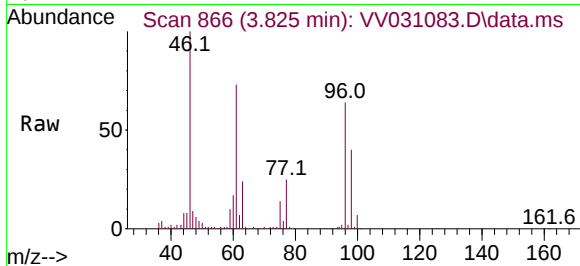




#22
 cis-1,2-Dichloroethene
 Concen: 4.387 ug/L
 RT: 3.825 min Scan# 865
 Delta R.T. 0.003 min
 Lab File: VV031083.D
 Acq: 17 May 2023 18:59

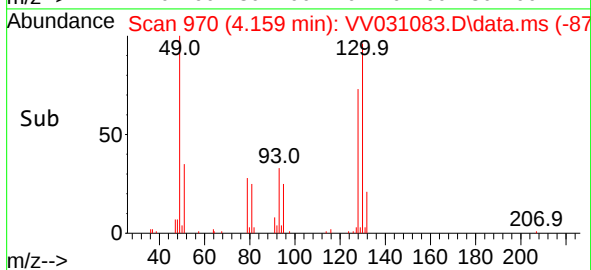
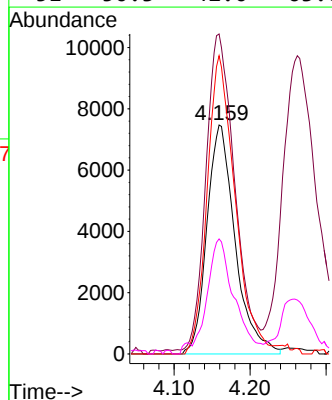
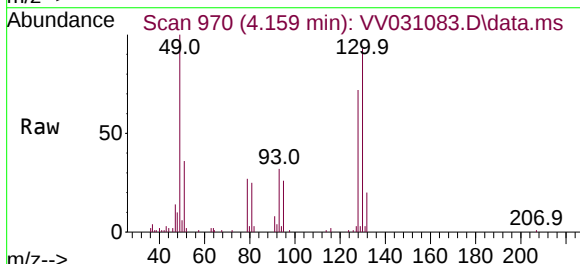
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005354

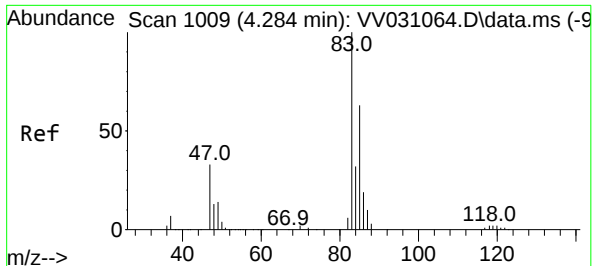
Tgt Ion: 96 Resp: 39285
 Ion Ratio Lower Upper
 96 100
 61 114.8 86.0 159.6
 98 62.1 43.2 80.2



#23
 Bromochloromethane
 Concen: 4.565 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VV031083.D
 Acq: 17 May 2023 18:59

Tgt Ion: 128 Resp: 19248
 Ion Ratio Lower Upper
 128 100
 49 139.8 104.7 194.5
 130 130.3 93.4 173.4
 51 50.3 42.0 63.0





#25

Chloroform

Concen: 4.741 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV031083.D

Acq: 17 May 2023 18:59

Instrument :

MSVOA_V

ClientSampleId :

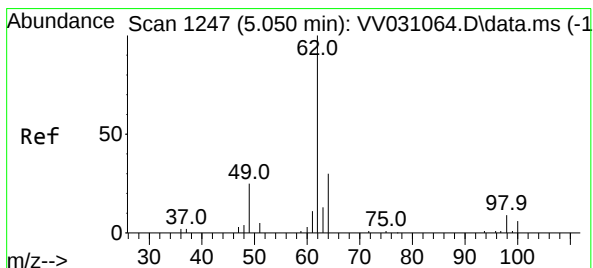
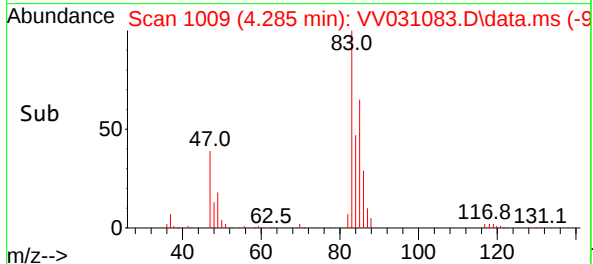
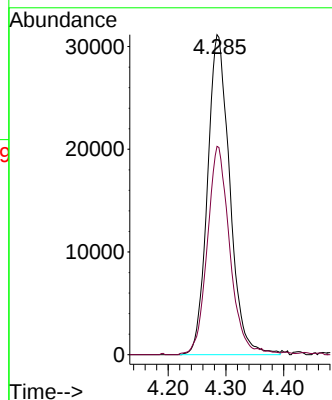
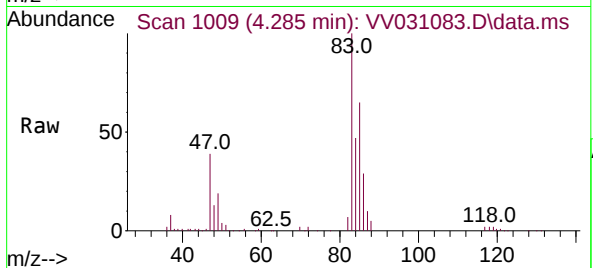
VSTD005354

Tgt Ion: 83 Resp: 83360

Ion Ratio Lower Upper

83 100

85 65.1 46.4 86.2



#27

1,2-Dichloroethane

Concen: 4.795 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VV031083.D

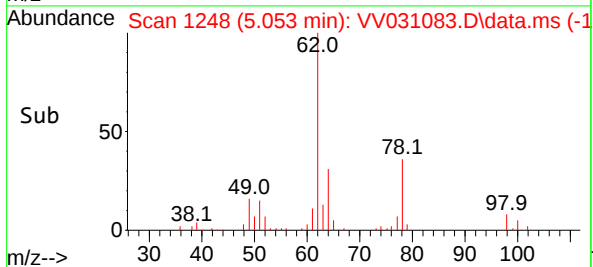
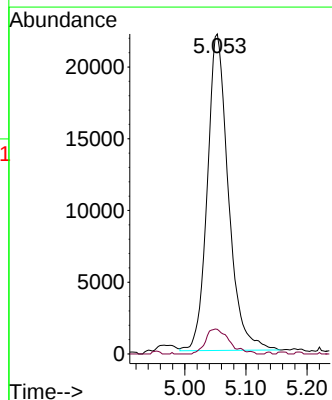
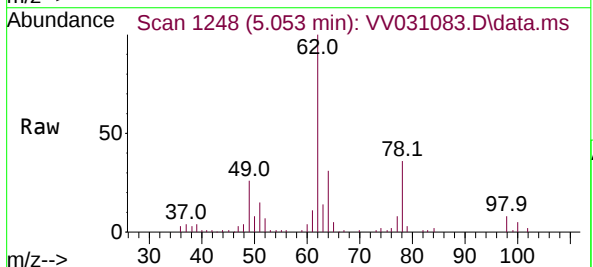
Acq: 17 May 2023 18:59

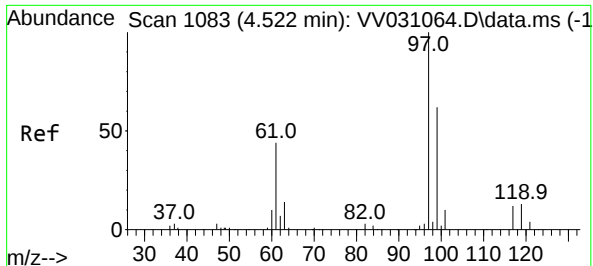
Tgt Ion: 62 Resp: 52916

Ion Ratio Lower Upper

62 100

98 7.7 6.0 9.0





#29

1,1,1-Trichloroethane

Concen: 4.702 ug/L

RT: 4.522 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV031083.D

Acq: 17 May 2023 18:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005354

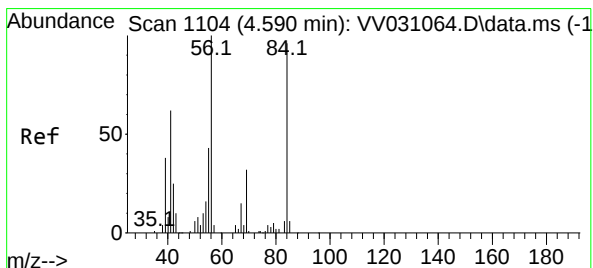
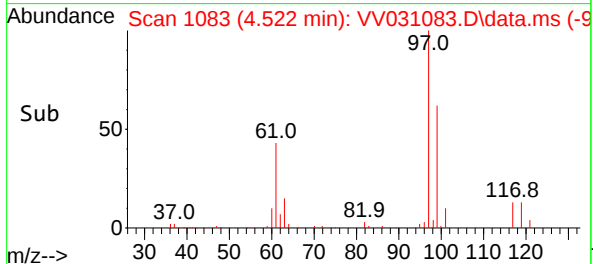
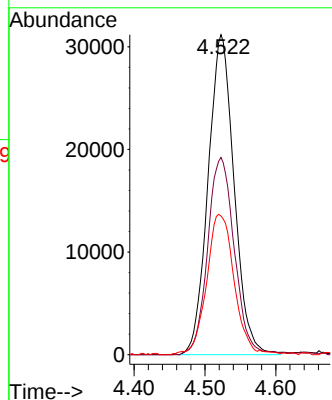
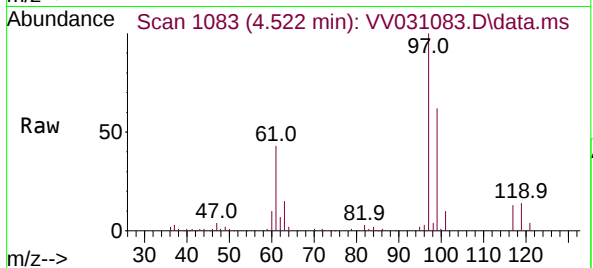
Tgt Ion: 97 Resp: 79500

Ion Ratio Lower Upper

97 100

99 63.4 51.4 77.2

61 46.5 37.4 56.0



#30

Cyclohexane

Concen: 3.849 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV031083.D

Acq: 17 May 2023 18:59

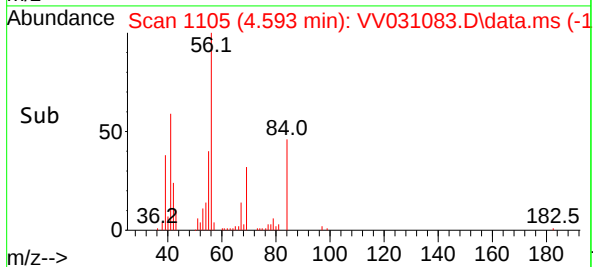
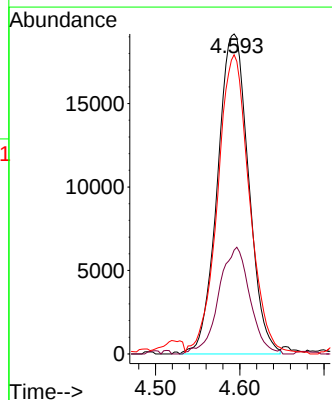
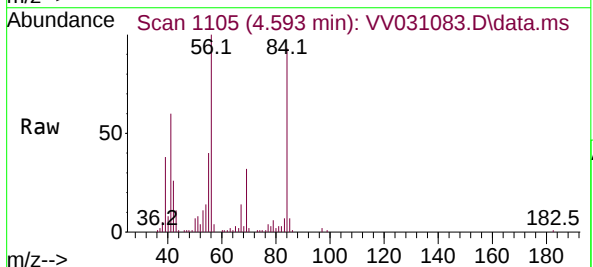
Tgt Ion: 56 Resp: 49164

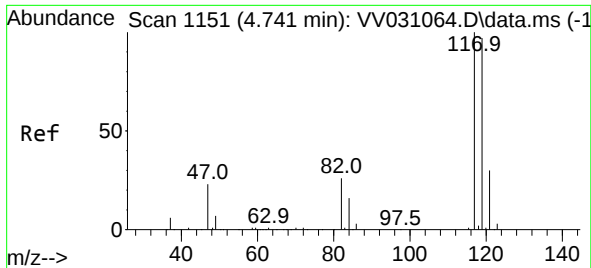
Ion Ratio Lower Upper

56 100

69 33.4 25.0 37.6

84 95.6 74.2 111.2

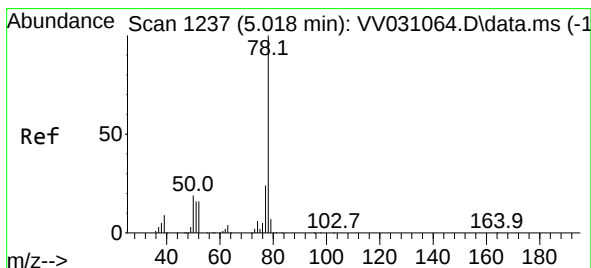
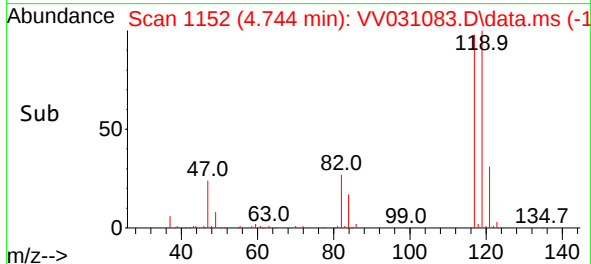
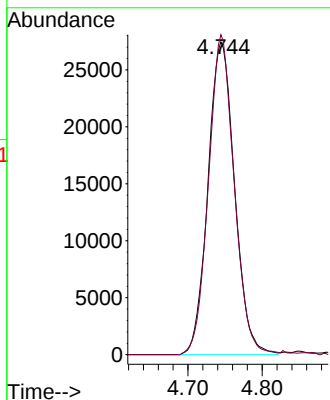
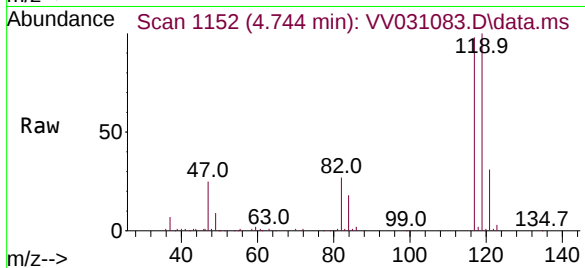




#31
Carbon tetrachloride
Concen: 4.508 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

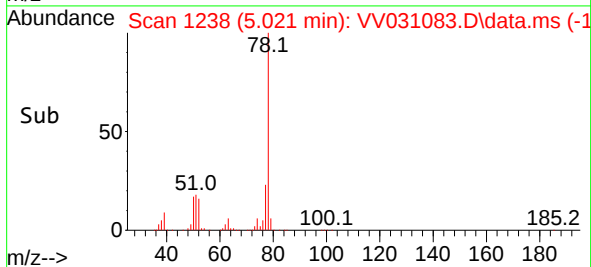
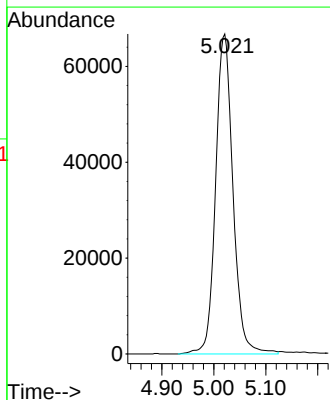
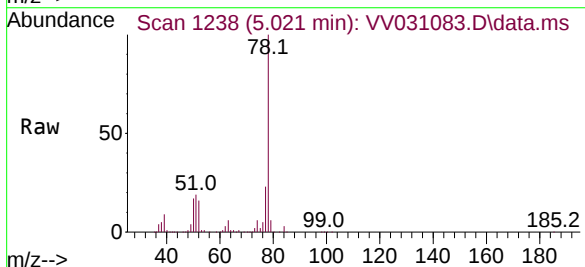
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

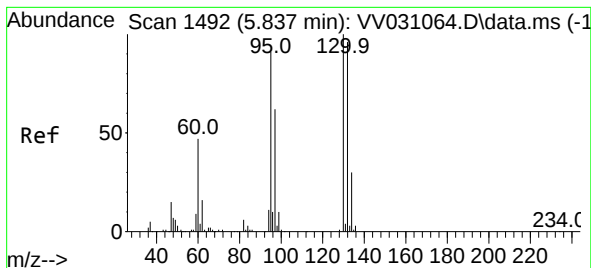
Tgt Ion:117 Resp: 68473
Ion Ratio Lower Upper
117 100
119 98.5 78.4 117.6



#33
Benzene
Concen: 4.582 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

Tgt Ion: 78 Resp: 155111





#34

Trichloroethene

Concen: 4.413 ug/L

RT: 5.841 min Scan# 1492

Delta R.T. 0.003 min

Lab File: VV031083.D

Acq: 17 May 2023 18:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005354

Tgt Ion: 95 Resp: 39821

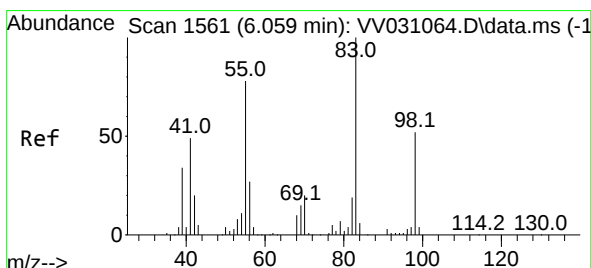
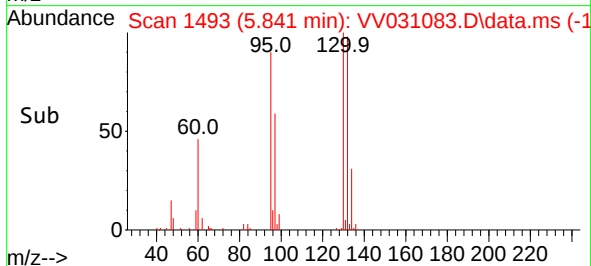
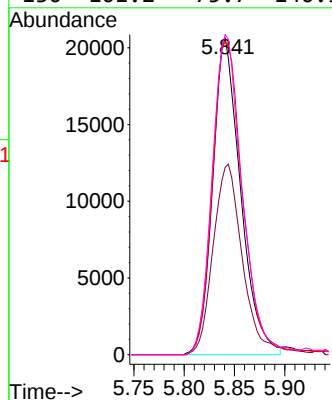
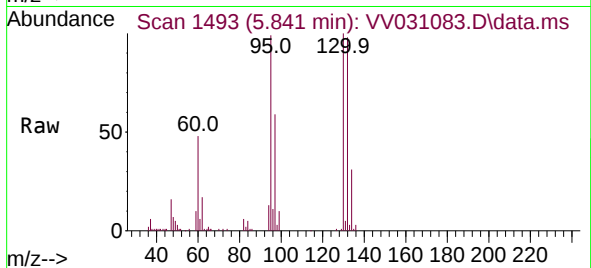
Ion Ratio Lower Upper

95 100

97 59.3 46.2 85.8

132 99.1 72.7 135.1

130 101.2 75.7 140.5



#35

Methylcyclohexane

Concen: 3.920 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. 0.000 min

Lab File: VV031083.D

Acq: 17 May 2023 18:59

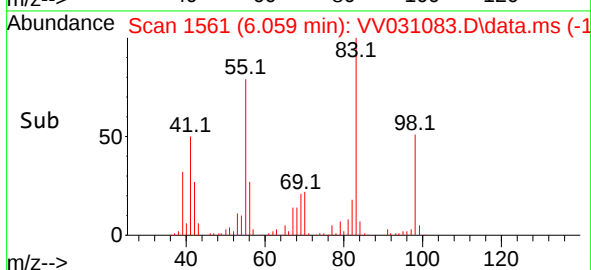
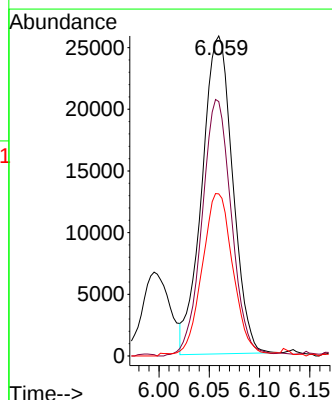
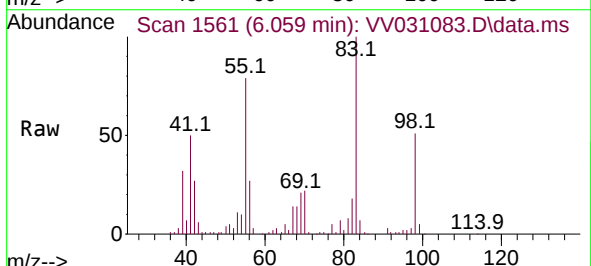
Tgt Ion: 83 Resp: 54807

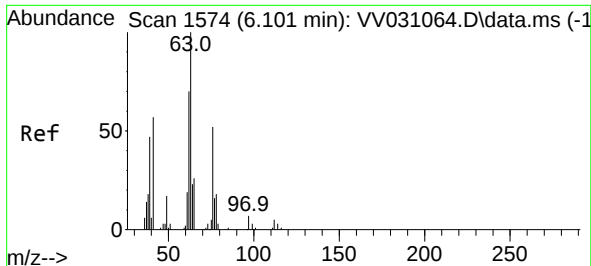
Ion Ratio Lower Upper

83 100

55 77.5 62.9 94.3

98 50.1 40.5 60.7





#37

1,2-Dichloropropane

Concen: 4.688 ug/L

RT: 6.101 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV031083.D

Acq: 17 May 2023 18:59

Instrument :

MSVOA_V

ClientSampleId :

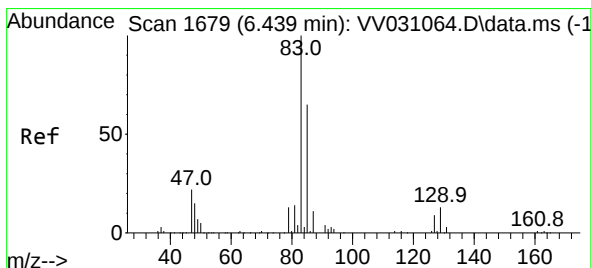
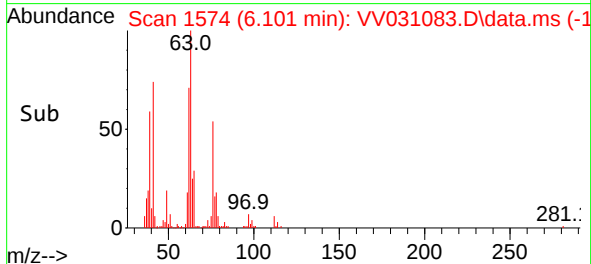
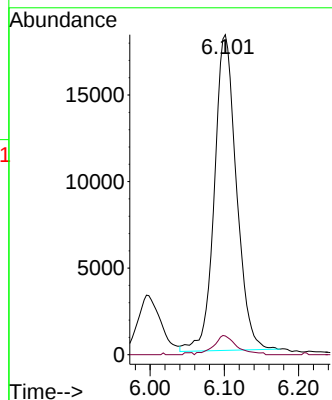
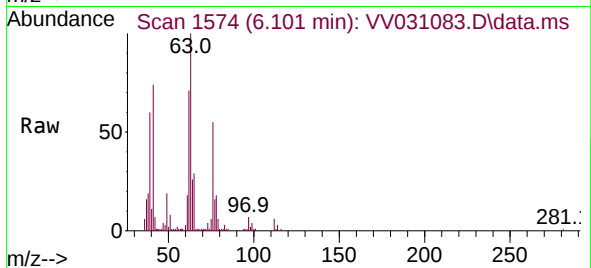
VSTD005354

Tgt Ion: 63 Resp: 37641

Ion Ratio Lower Upper

63 100

112 6.3 3.8 5.8#



#38

Bromodichloromethane

Concen: 4.629 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031083.D

Acq: 17 May 2023 18:59

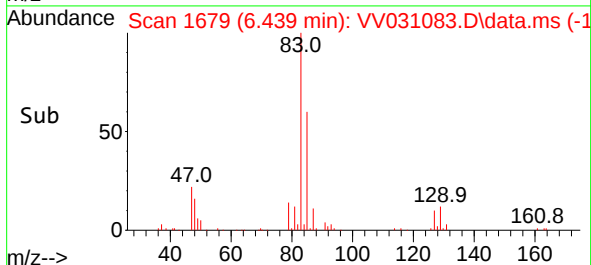
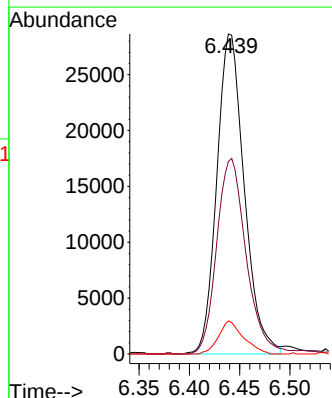
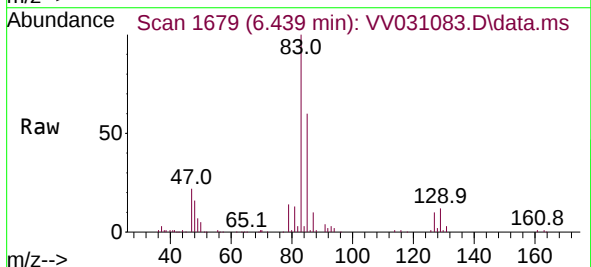
Tgt Ion: 83 Resp: 54391

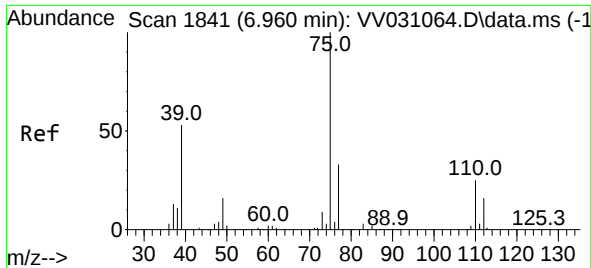
Ion Ratio Lower Upper

83 100

85 60.1 44.4 82.4

127 10.3 6.6 9.8#





#39

cis-1,3-Dichloropropene

Concen: 4.167 ug/L

RT: 6.963 min Scan# 1841

Delta R.T. 0.003 min

Lab File: VV031083.D

Acq: 17 May 2023 18:59

Instrument :

MSVOA_V

ClientSampleId :

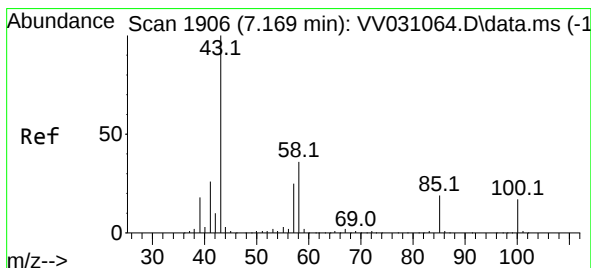
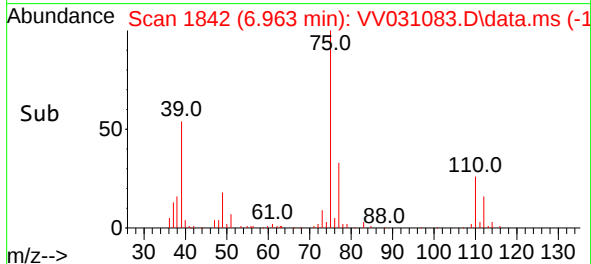
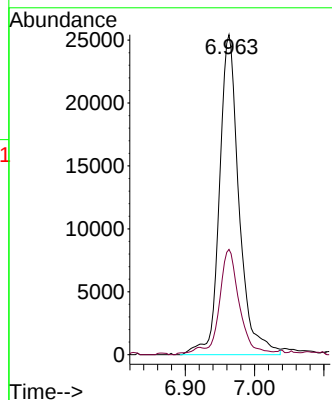
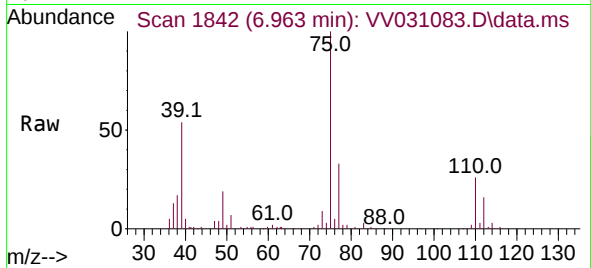
VSTD005354

Tgt Ion: 75 Resp: 50113

Ion Ratio Lower Upper

75 100

77 32.9 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 47.143 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.003 min

Lab File: VV031083.D

Acq: 17 May 2023 18:59

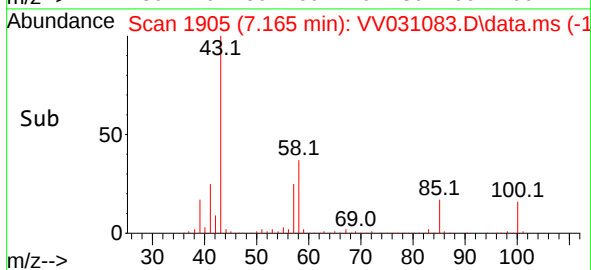
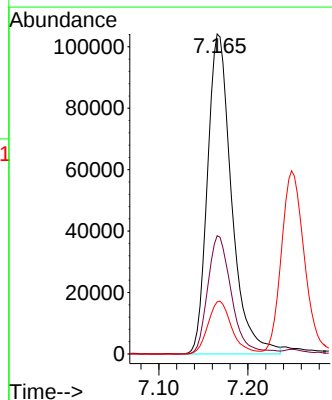
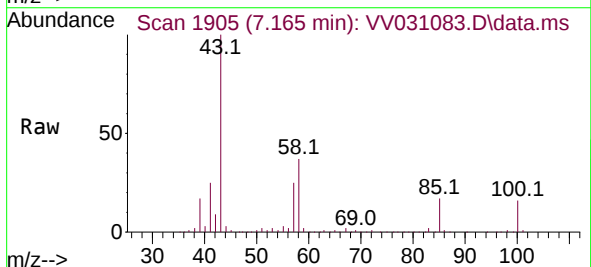
Tgt Ion: 43 Resp: 196112

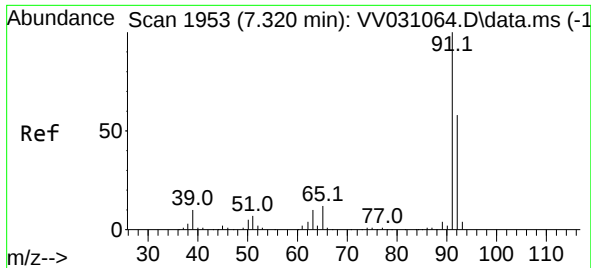
Ion Ratio Lower Upper

43 100

58 36.5 28.3 42.5

100 16.3 11.8 17.8





#42

Toluene

Concen: 4.674 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031083.D

Acq: 17 May 2023 18:59

Instrument :

MSVOA_V

ClientSampleId :

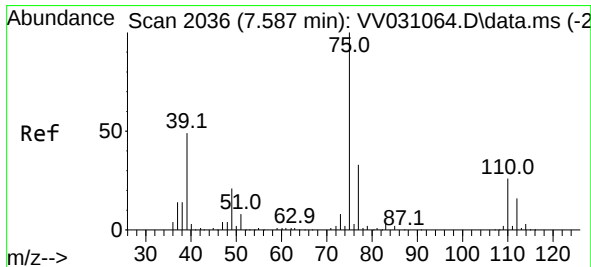
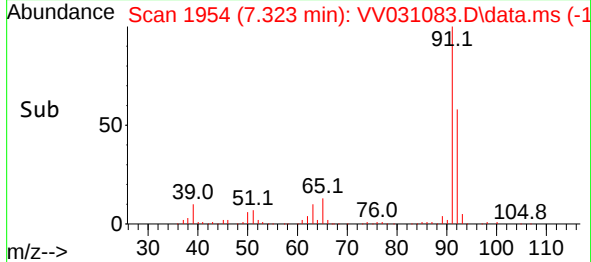
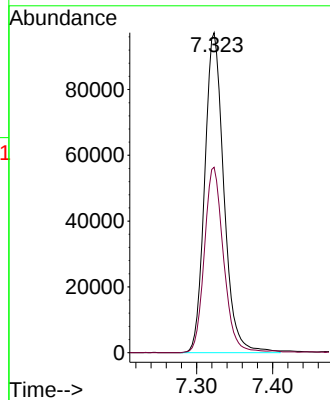
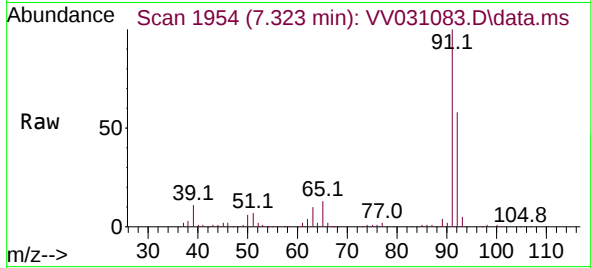
VSTD005354

Tgt Ion: 91 Resp: 170325

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.388 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV031083.D

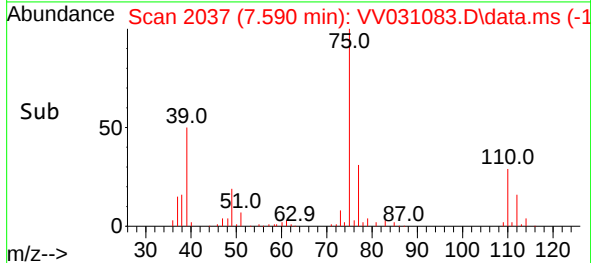
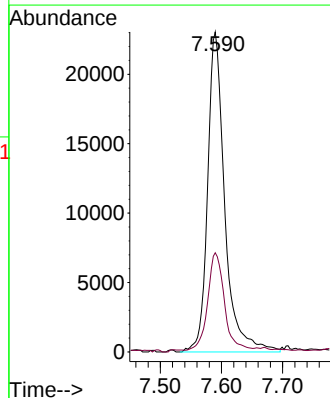
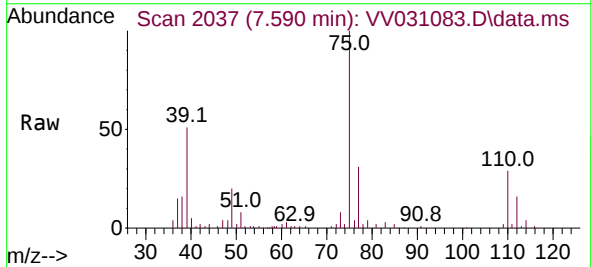
Acq: 17 May 2023 18:59

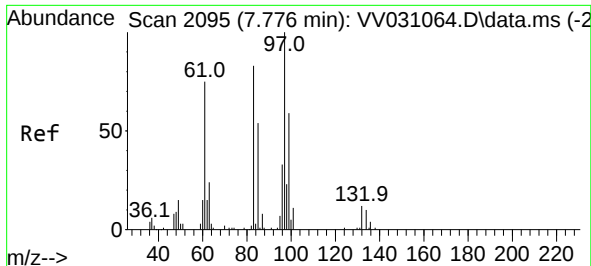
Tgt Ion: 75 Resp: 44959

Ion Ratio Lower Upper

75 100

77 31.0 21.6 40.0

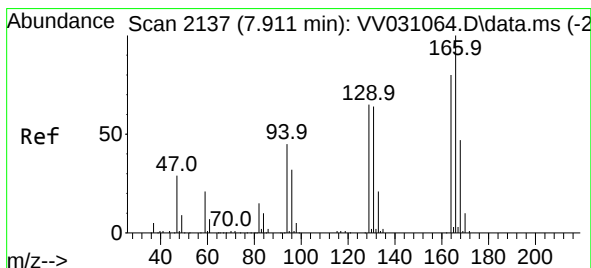
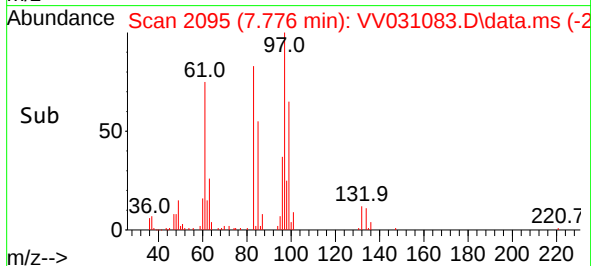
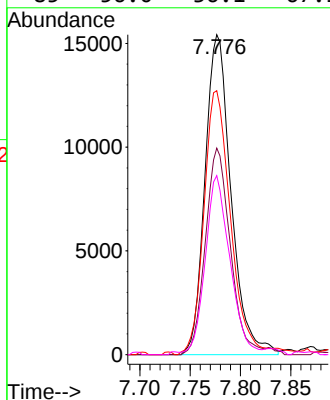
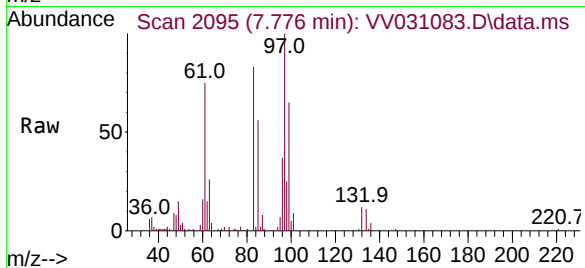




#45
1,1,2-Trichloroethane
Concen: 4.673 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

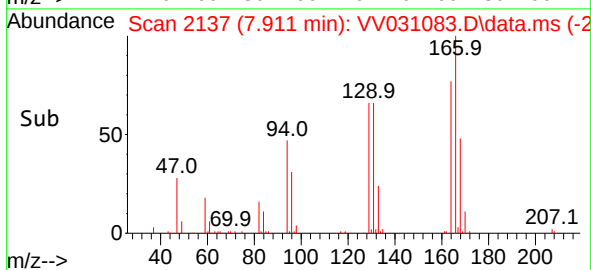
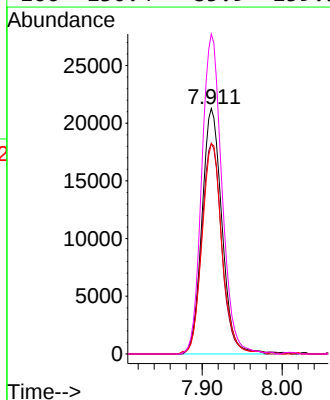
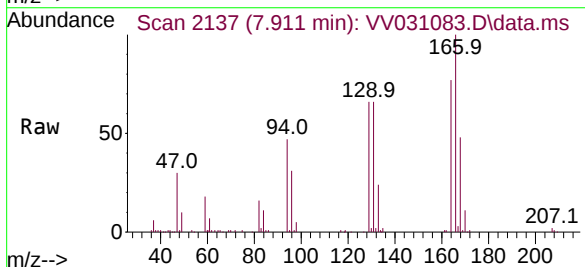
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

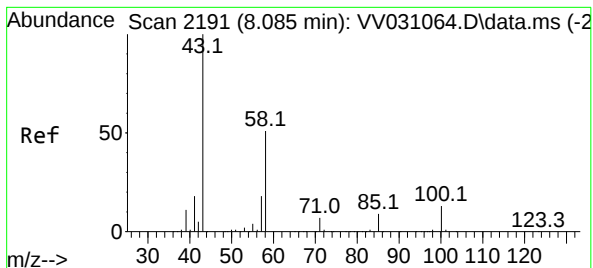
Tgt Ion: 97	Resp: 27838
Ion Ratio	Lower Upper
97 100	
99 64.6	42.8 79.6
83 82.5	57.5 106.7
85 56.0	36.1 67.1



#47
Tetrachloroethene
Concen: 4.322 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

Tgt	Ion:164	Resp:	37202
Ion	Ratio	Lower	Upper
164	100		
129	85.9	60.5	112.3
131	85.7	60.8	112.8
166	130.4	85.9	159.5





#48

2-Hexanone

Concen: 48.842 ug/L

RT: 8.085 min Scan# 2191

Delta R.T. 0.000 min

Lab File: VV031083.D

Acq: 17 May 2023 18:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005354

Tgt Ion: 43 Resp: 155835

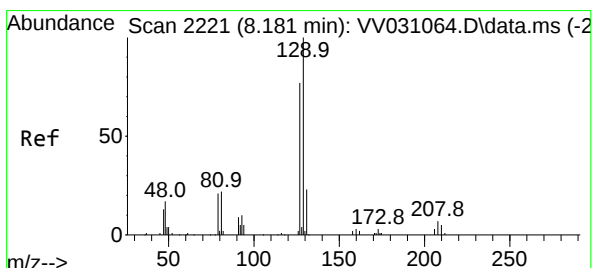
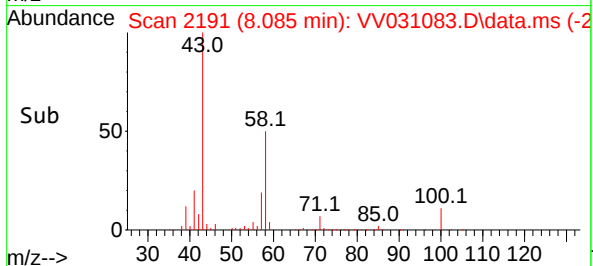
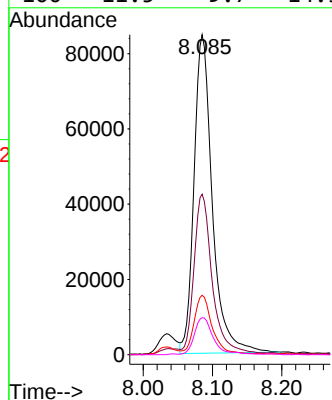
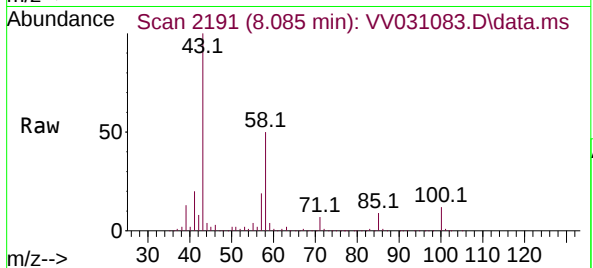
Ion Ratio Lower Upper

43 100

58 49.5 39.9 59.9

57 18.1 14.1 21.1

100 11.5 9.7 14.5



#49

Dibromochloromethane

Concen: 4.733 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. 0.003 min

Lab File: VV031083.D

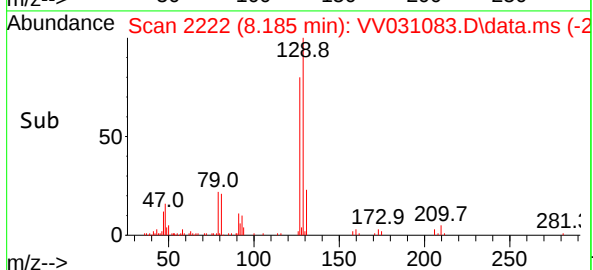
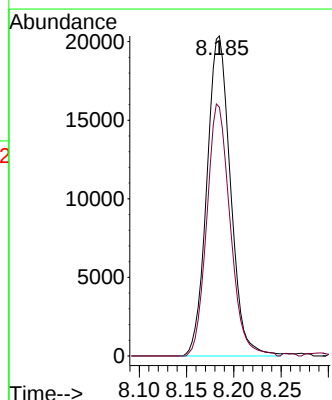
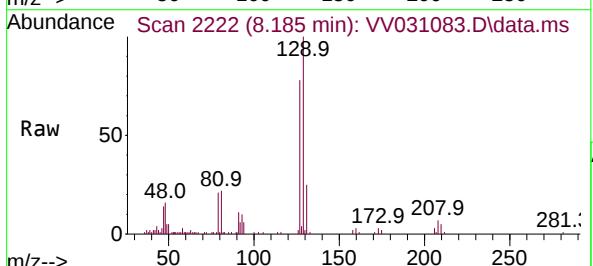
Acq: 17 May 2023 18:59

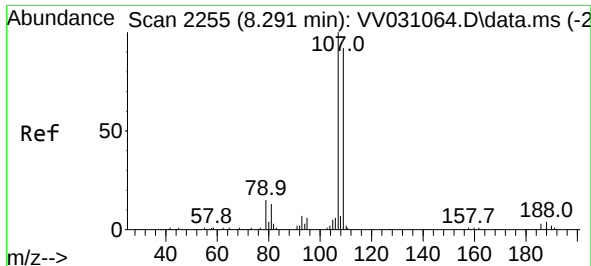
Tgt Ion: 129 Resp: 35475

Ion Ratio Lower Upper

129 100

127 77.8 55.3 102.7





#50

1,2-Dibromoethane

Concen: 4.873 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031083.D

Acq: 17 May 2023 18:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005354

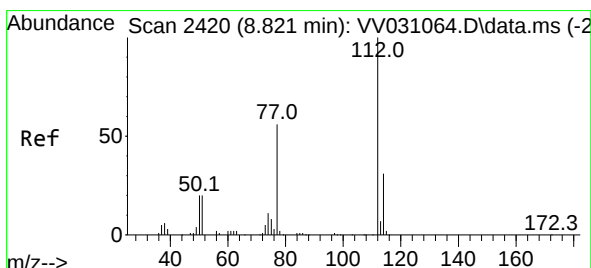
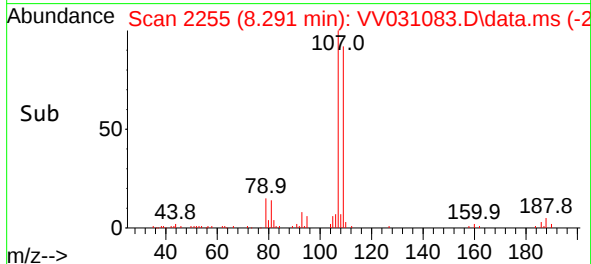
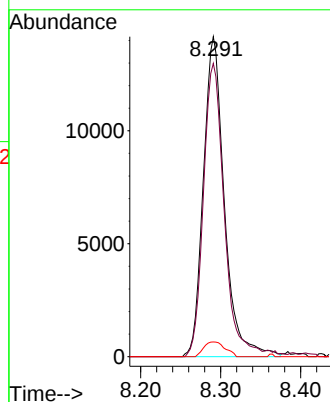
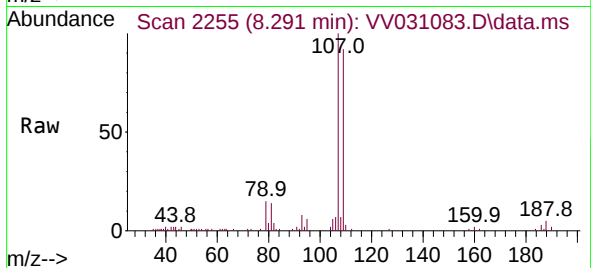
Tgt Ion:107 Resp: 25894

Ion Ratio Lower Upper

107 100

109 91.6 64.9 120.5

188 4.6 3.2 4.8



#51

Chlorobenzene

Concen: 4.550 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV031083.D

Acq: 17 May 2023 18:59

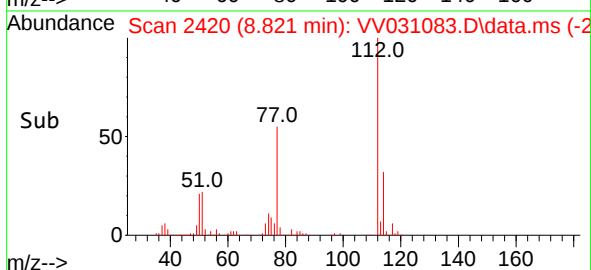
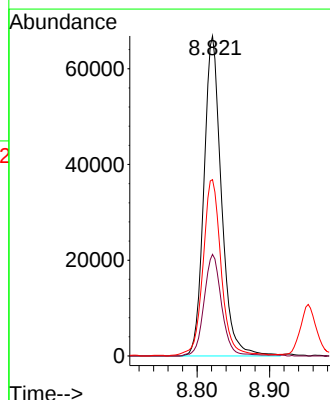
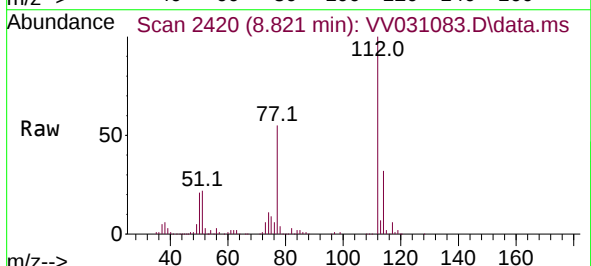
Tgt Ion:112 Resp: 112413

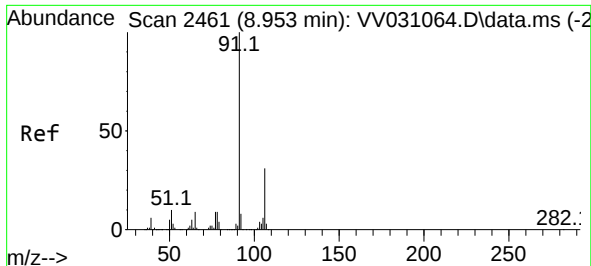
Ion Ratio Lower Upper

112 100

114 31.7 22.5 41.9

77 55.1 45.3 67.9

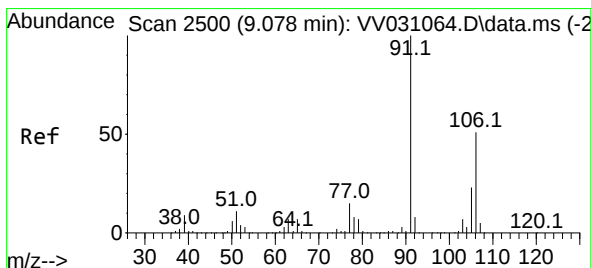
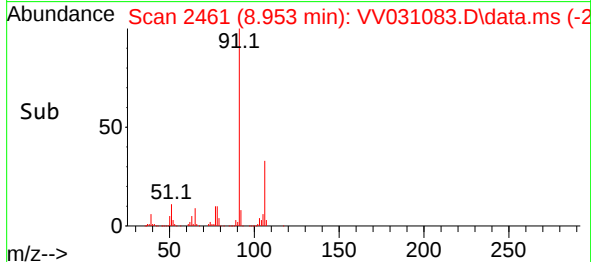
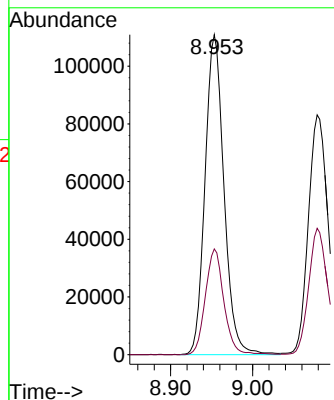
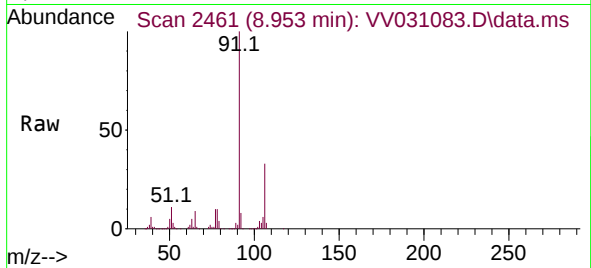




#52
Ethylbenzene
Concen: 4.471 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

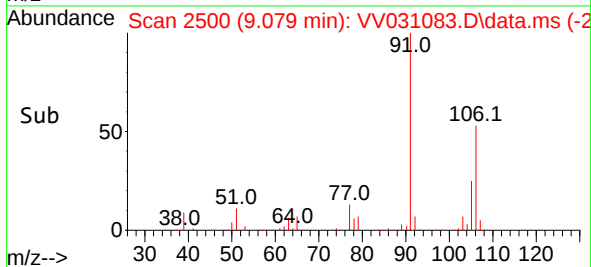
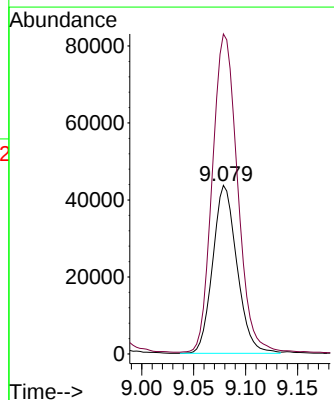
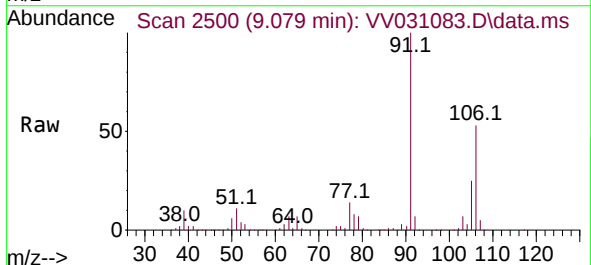
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

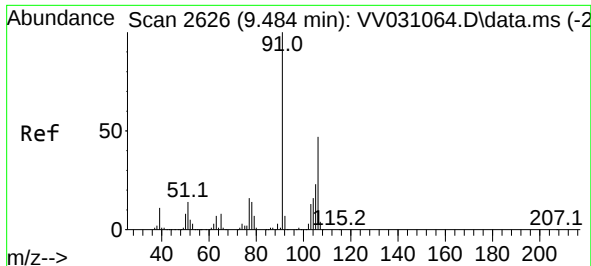
Tgt Ion: 91 Resp: 177628
Ion Ratio Lower Upper
91 100
106 33.0 21.4 39.8



#53
m,p-Xylene
Concen: 4.463 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

Tgt Ion: 106 Resp: 70762
Ion Ratio Lower Upper
106 100
91 189.8 138.7 257.5

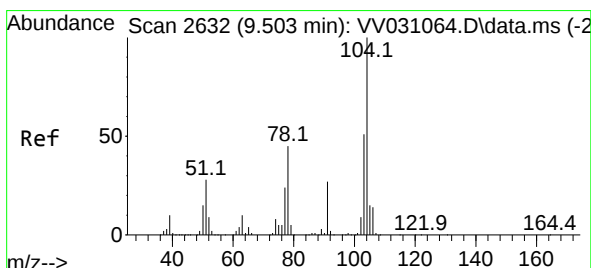
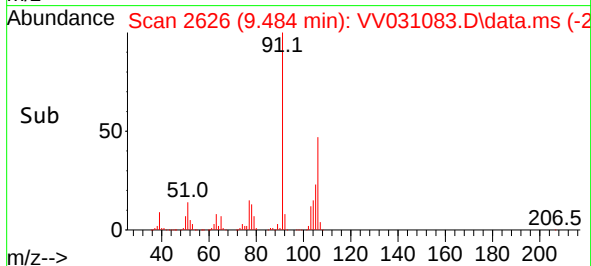
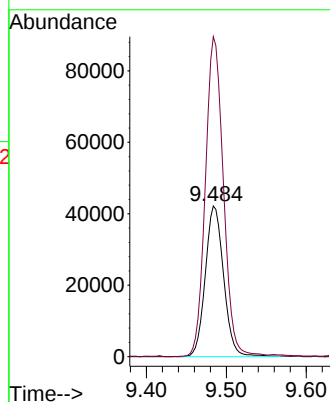
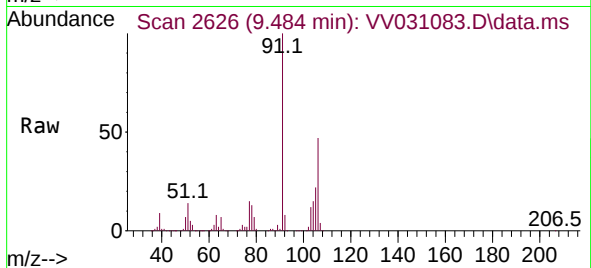




#54
o-Xylene
Concen: 4.472 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

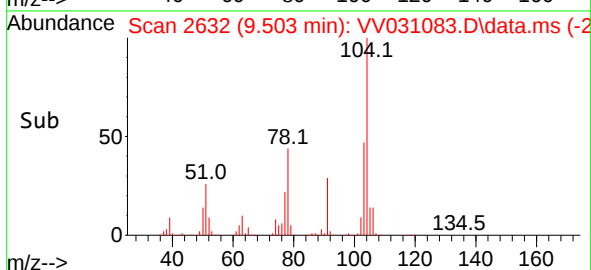
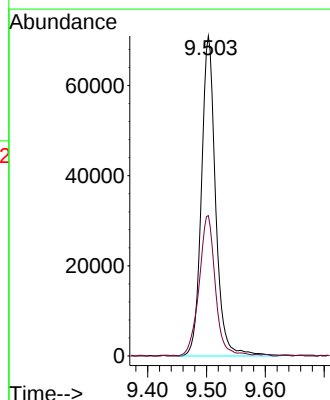
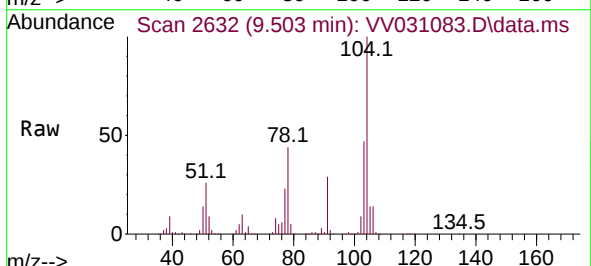
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

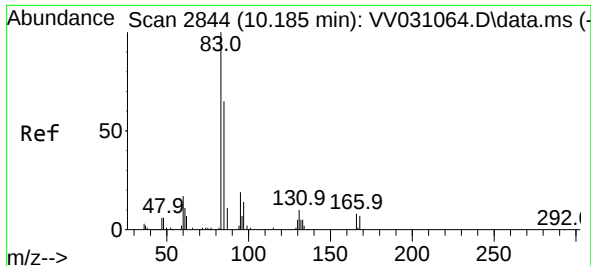
Tgt Ion:106 Resp: 67476
Ion Ratio Lower Upper
106 100
91 212.4 145.1 269.5



#55
Styrene
Concen: 4.677 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

Tgt Ion:104 Resp: 119094
Ion Ratio Lower Upper
104 100
78 43.8 31.4 58.2

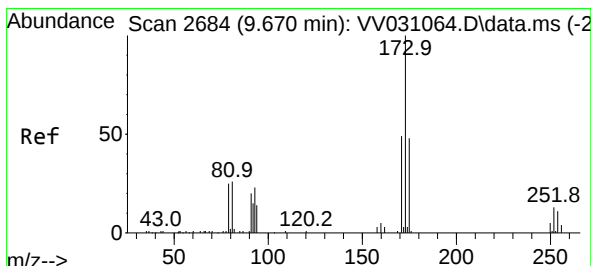
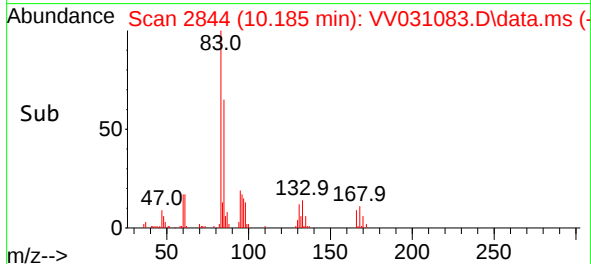
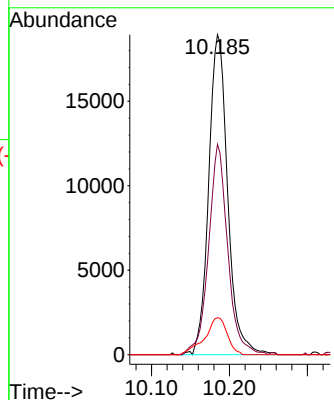
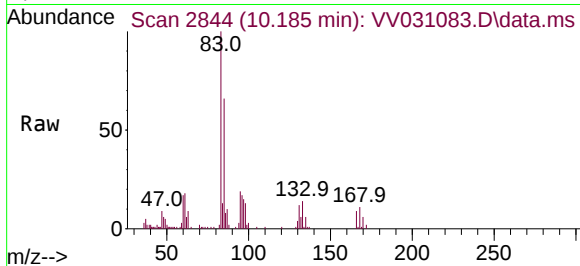




#57
1,1,2,2-Tetrachloroethane
Concen: 4.816 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

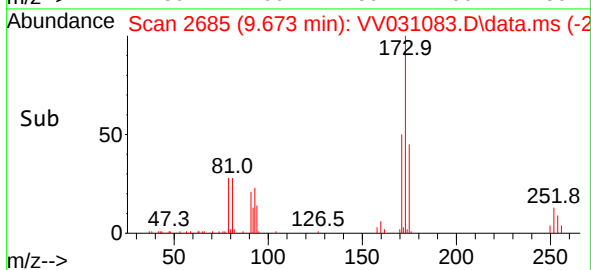
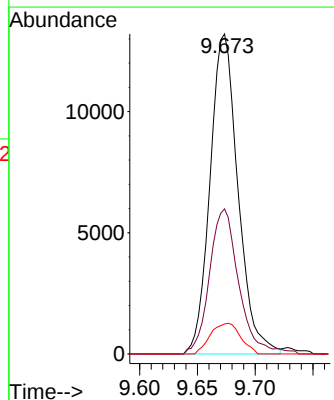
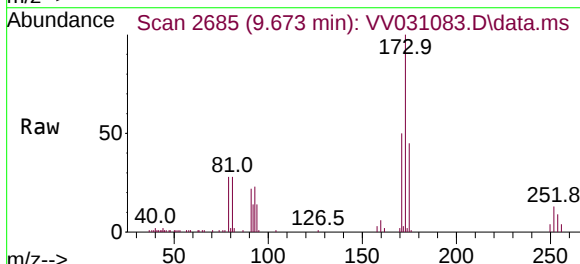
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

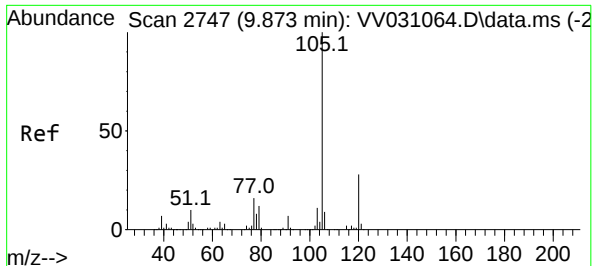
Tgt Ion: 83 Resp: 32071
Ion Ratio Lower Upper
83 100
85 65.7 45.2 84.0
131 11.6 8.3 12.5



#59
Bromoform
Concen: 4.786 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.003 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

Tgt Ion: 173 Resp: 22251
Ion Ratio Lower Upper
173 100
175 47.4 39.9 59.9
254 10.3 9.7 14.5

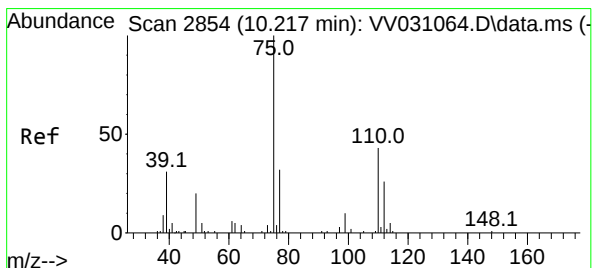
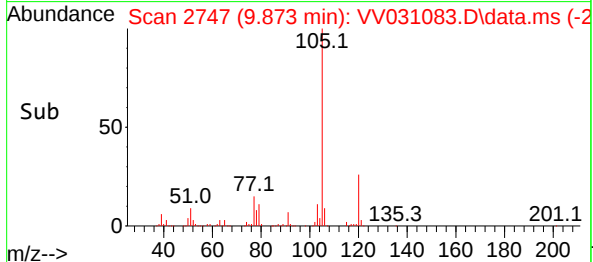
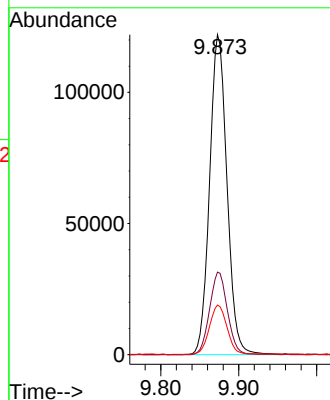
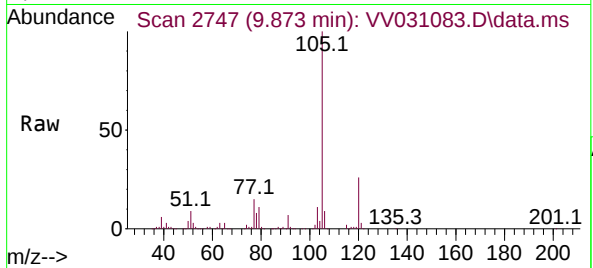




#60
Isopropylbenzene
Concen: 4.438 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

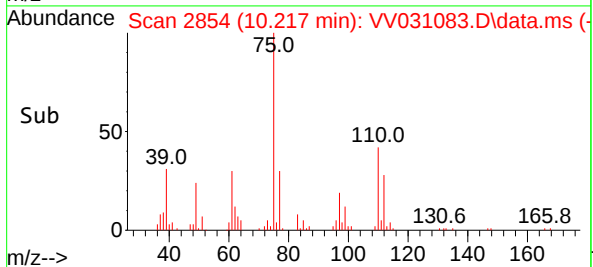
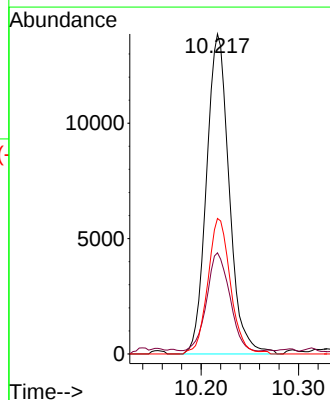
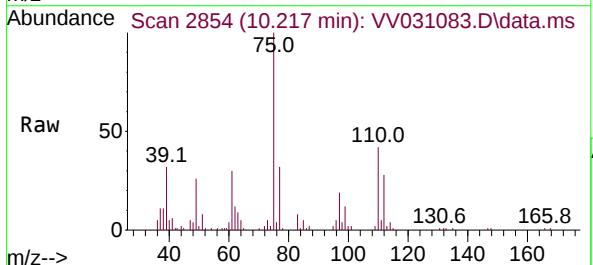
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

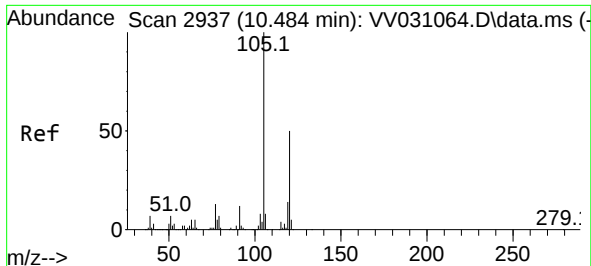
Tgt Ion:105 Resp: 188981
Ion Ratio Lower Upper
105 100
120 26.4 22.2 33.4
77 15.5 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 4.526 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

Tgt Ion: 75 Resp: 22458
Ion Ratio Lower Upper
75 100
77 30.8 25.3 37.9
110 42.2 34.0 51.0

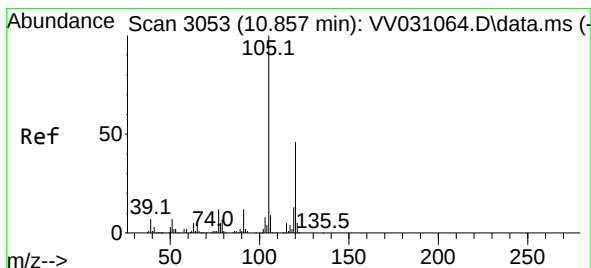
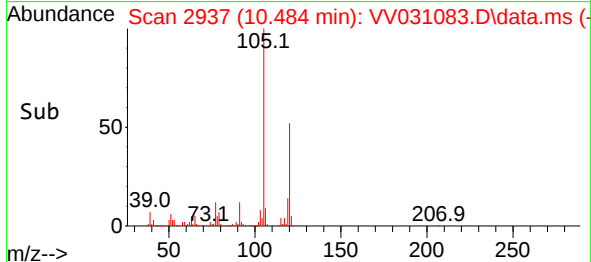
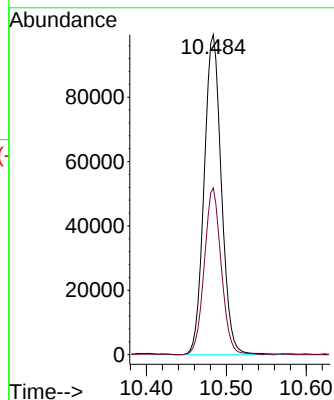
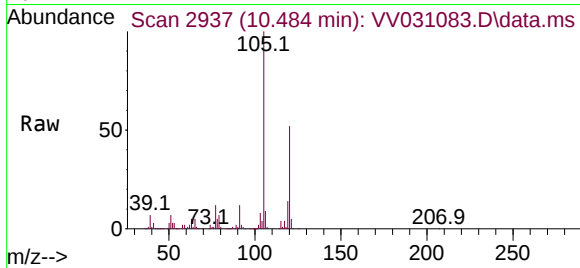




#62
 1,3,5-Trimethylbenzene
 Concen: 4.314 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031083.D
 Acq: 17 May 2023 18:59

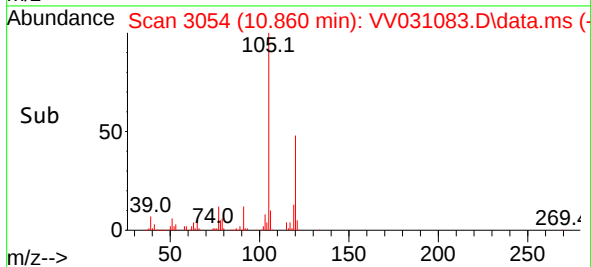
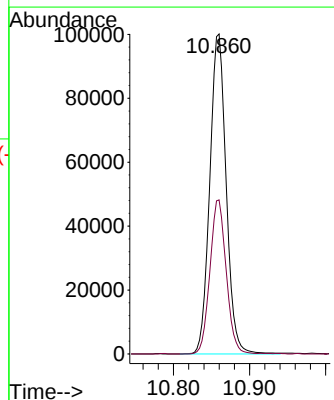
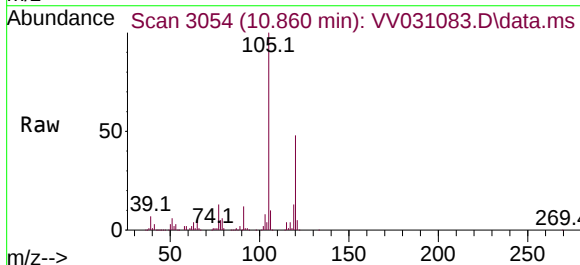
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005354

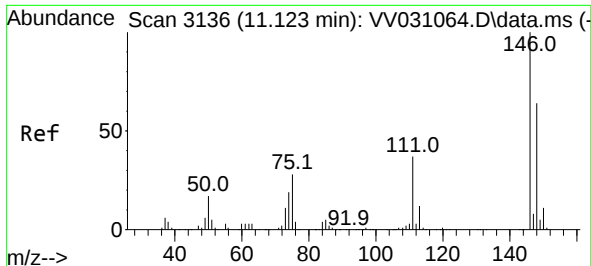
Tgt Ion:105 Resp: 149565
 Ion Ratio Lower Upper
 105 100
 120 51.2 40.2 60.4



#63
 1,2,4-Trimethylbenzene
 Concen: 4.271 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.003 min
 Lab File: VV031083.D
 Acq: 17 May 2023 18:59

Tgt Ion:105 Resp: 150007
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.9 56.9

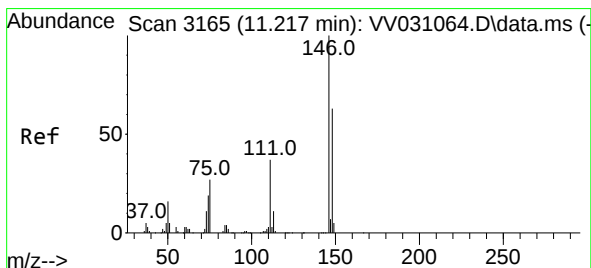
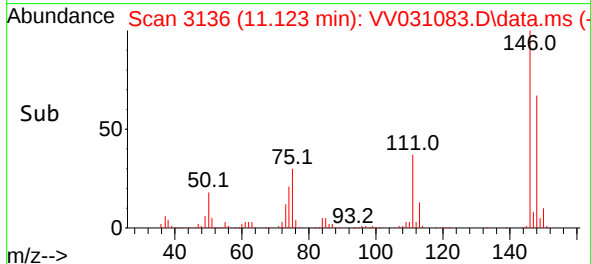
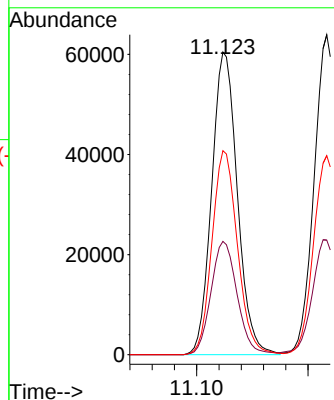
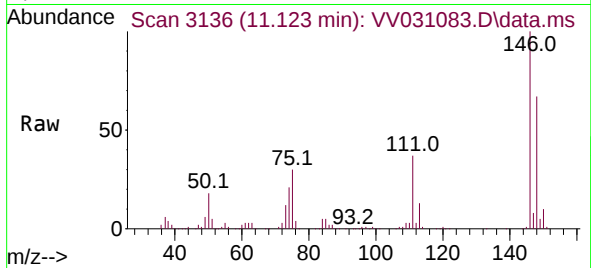




#64
1,3-Dichlorobenzene
Concen: 4.427 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

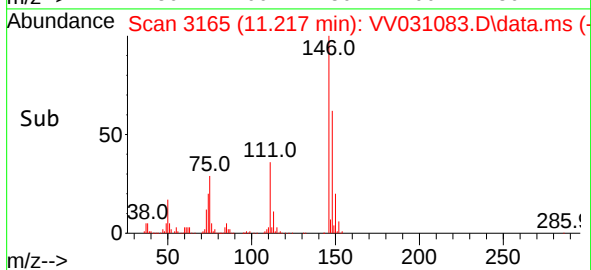
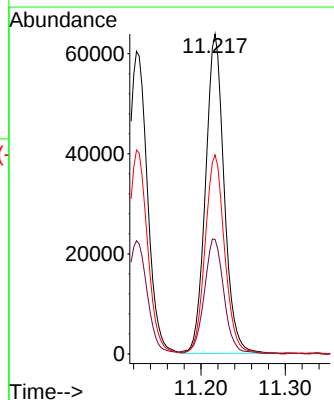
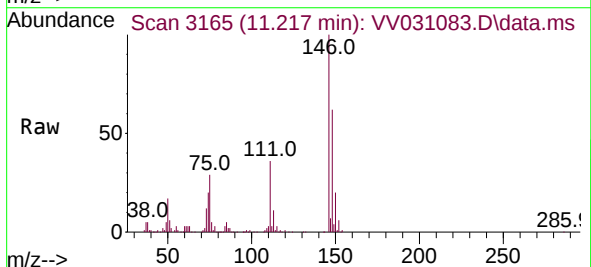
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

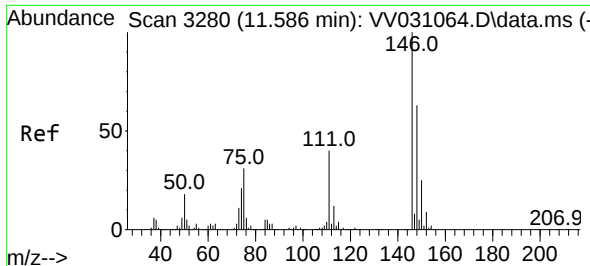
Tgt Ion:146 Resp: 96812
Ion Ratio Lower Upper
146 100
111 37.4 26.5 49.3
148 67.4 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.454 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

Tgt Ion:146 Resp: 98261
Ion Ratio Lower Upper
146 100
111 35.8 23.9 44.5
148 62.2 42.8 79.6

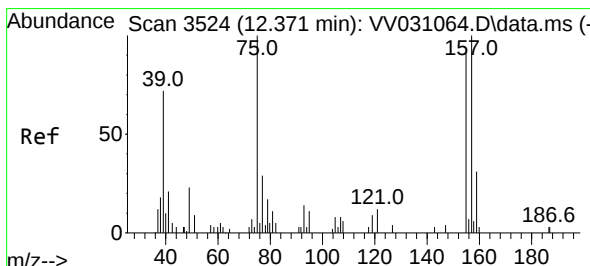
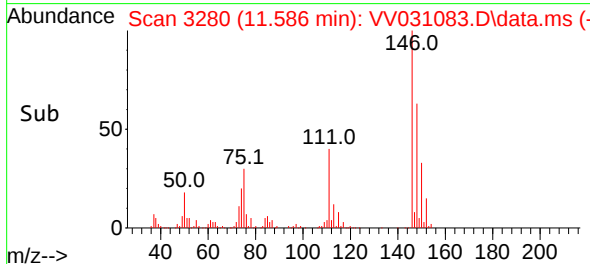
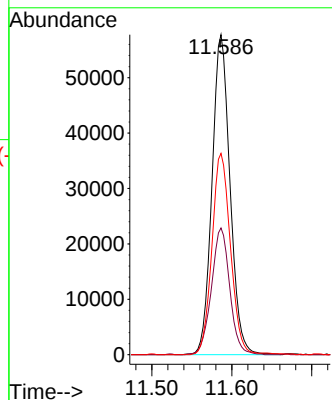
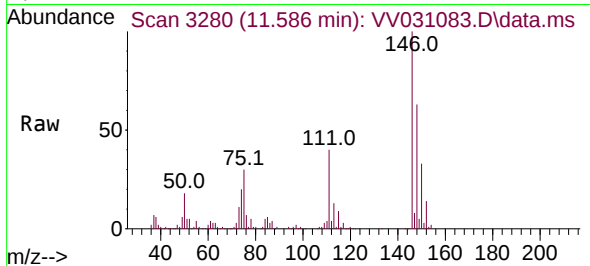




#67
1,2-Dichlorobenzene
Concen: 4.596 ug/L
RT: 11.586 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

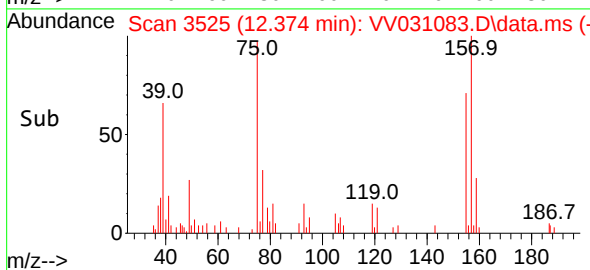
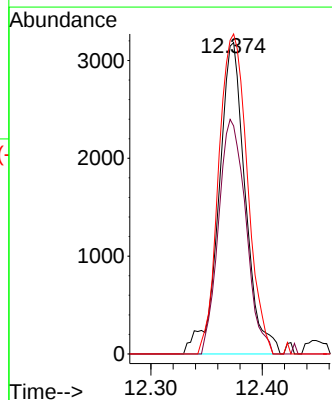
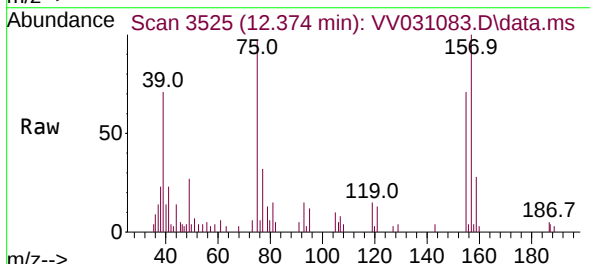
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

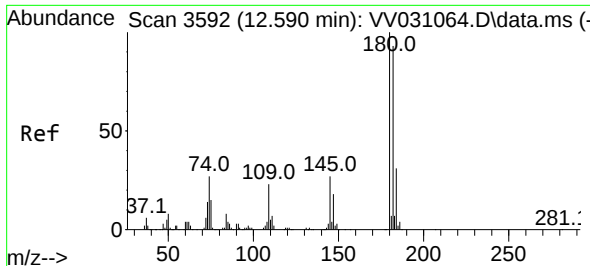
Tgt Ion:146 Resp: 90369
Ion Ratio Lower Upper
146 100
111 39.6 34.0 51.0
148 62.9 53.8 80.6



#68
1,2-Dibromo-3-chloropropane
Concen: 4.180 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.003 min
Lab File: VV031083.D
Acq: 17 May 2023 18:59

Tgt Ion: 75 Resp: 5264
Ion Ratio Lower Upper
75 100
155 73.2 56.2 84.4
157 102.8 83.1 124.7

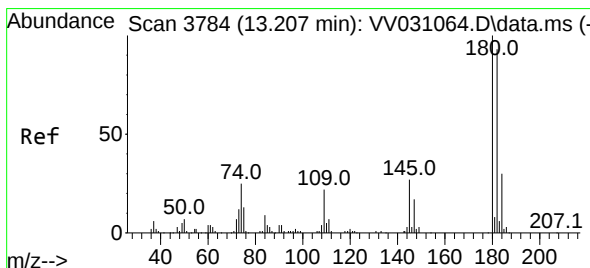
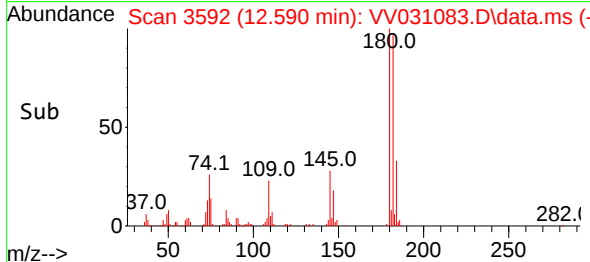
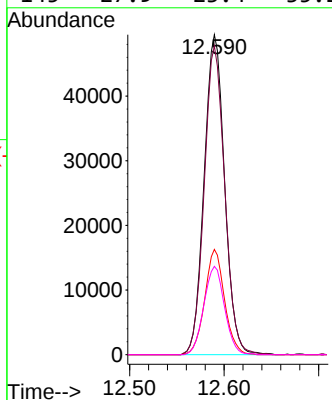
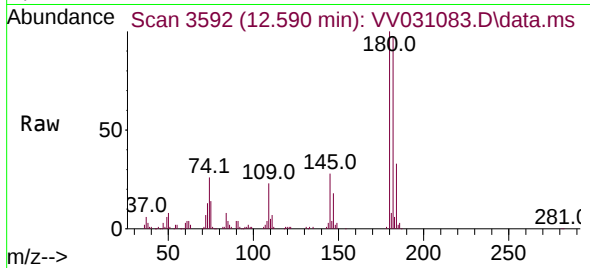




#69
 1,3,5-Trichlorobenzene
 Concen: 4.298 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: VV031083.D
 Acq: 17 May 2023 18:59

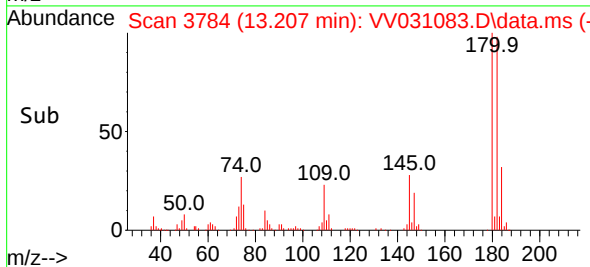
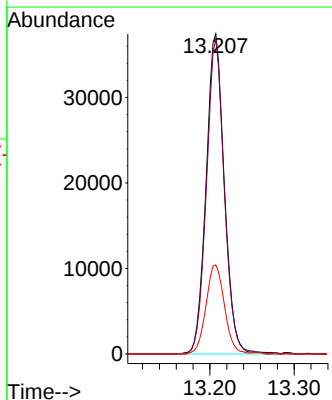
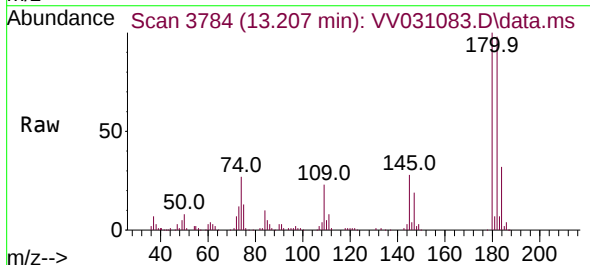
Instrument :
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 ClientSampleId :
 VSTD005354

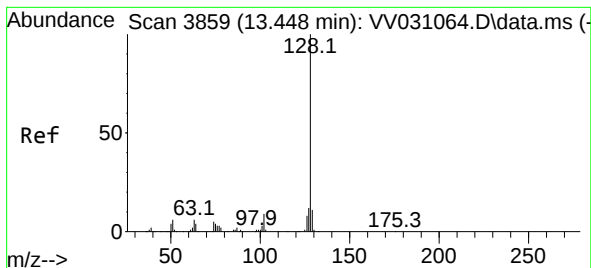
Tgt Ion:180	Resp:	74419
Ion Ratio	Lower	Upper
180	100	
182	96.5	75.1 112.7
184	31.8	24.1 36.1
145	27.9	23.4 35.2



#70
 1,2,4-trichlorobenzene
 Concen: 4.239 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.000 min
 Lab File: VV031083.D
 Acq: 17 May 2023 18:59

Tgt Ion:180	Resp:	56399
Ion Ratio	Lower	Upper
180	100	
182	96.0	76.0 114.0
145	28.2	22.9 34.3





#71

Naphthalene

Concen: 3.771 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV031083.D

Acq: 17 May 2023 18:59

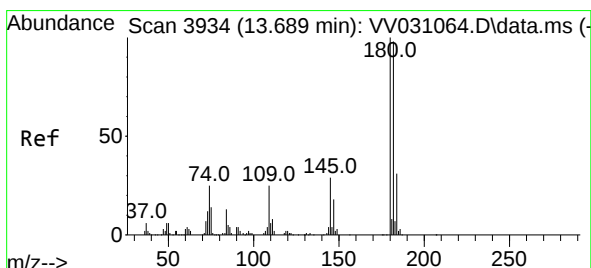
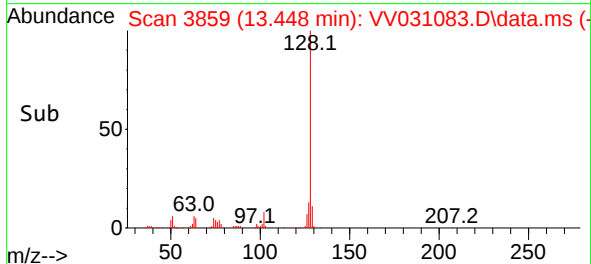
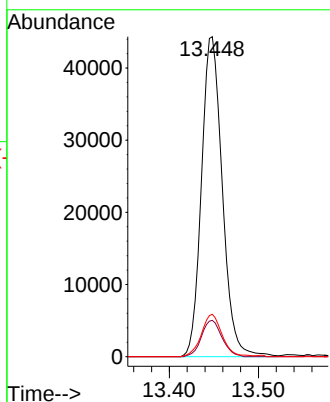
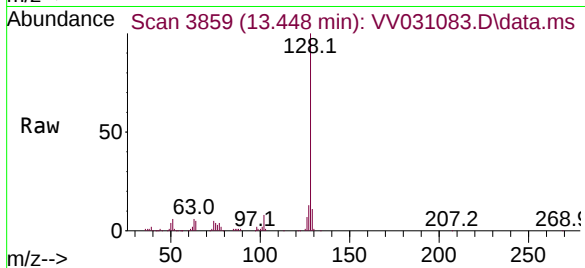
Instrument :

MSVOA_V

ClientSampleId :

VSTD005354

Tgt Ion:	128	Resp:	71955
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.6	13.0
127	13.3	10.6	16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.240 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV031083.D

Acq: 17 May 2023 18:59

Tgt Ion:	180	Resp:	47765
Ion Ratio	Lower	Upper	
180	100		
182	96.9	77.3	115.9
145	30.5	24.7	37.1

