

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051123\
 Data File : VW031015.D
 Acq On : 11 May 2023 14:50
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005347

Quant Time: May 12 09:47:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 06 01:44:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	135055	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	133590	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	75930	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	47588	4.277	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.600%
7) Chloroethane-d5	1.536	69	42868	4.723	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.400%
11) 1,1-Dichloroethene-d2	2.063	65	26882	4.565	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.200%
20) 2-Butanone-d5	3.831	46	86331	43.752	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.500%
24) Chloroform-d	4.256	84	106493	4.816	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	4.950	65	52654	4.684	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	4.966	84	183617	4.689	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
36) 1,2-Dichloropropane-d6	5.995	67	49996	4.391	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.800%
41) Toluene-d8	7.246	98	174340	4.675	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	7.561	79	19687	4.612	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.034	63	64250	42.965	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.920%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	38278	4.638	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.800%
66) 1,2-Dichlorobenzene-d4	11.567	152	63566	4.491	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	48171	4.515	ug/L	99
3) Chloromethane	1.217	50	52292	4.176	ug/L	98
5) Vinyl chloride	1.285	62	48855	4.662	ug/L	99
6) Bromomethane	1.491	94	22417	4.491	ug/L	99
8) Chloroethane	1.552	64	28335	4.442	ug/L	99
9) Trichlorofluoromethane	1.716	101	92284	4.773	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	48400	4.904	ug/L	99
12) 1,1-Dichloroethene	2.072	96	42264	4.650	ug/L	99
13) Acetone	2.159	43	78034	46.298	ug/L	85
14) Carbon disulfide	2.246	76	98155	4.127	ug/L	97
15) Methyl Acetate	2.391	43	11080	3.231	ug/L #	78
16) Methylene chloride	2.452	84	60200	5.855	ug/L	91
17) Methyl tert-butyl Ether	2.712	73	84736	4.897	ug/L	99
18) trans-1,2-Dichloroethene	2.696	96	38441	4.630	ug/L	94
19) 1,1-Dichloroethane	3.117	63	79865	4.982	ug/L	99
21) 2-Butanone	3.908	43	79798	43.049	ug/L	90
22) cis-1,2-Dichloroethene	3.818	96	41222	4.706	ug/L	93
23) Bromochloromethane	4.156	128	20431	4.954	ug/L	94
25) Chloroform	4.281	83	89208	5.186	ug/L	99

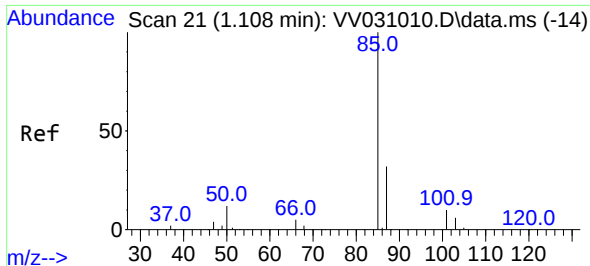
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051123\
 Data File : VW031015.D
 Acq On : 11 May 2023 14:50
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005347

Quant Time: May 12 09:47:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 06 01:44:36 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	52036	4.820	ug/L	98
29) 1,1,1-Trichloroethane	4.516	97	83633	4.982	ug/L	100
30) Cyclohexane	4.587	56	53598	4.227	ug/L	96
31) Carbon tetrachloride	4.738	117	75177	4.986	ug/L	99
33) Benzene	5.015	78	163079	4.853	ug/L	100
34) Trichloroethene	5.838	95	42713	4.768	ug/L	96
35) Methylcyclohexane	6.056	83	59137	4.260	ug/L	98
37) 1,2-Dichloropropane	6.101	63	40153	5.038	ug/L #	96
38) Bromodichloromethane	6.439	83	58813	5.042	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	57011	4.776	ug/L	100
40) 4-Methyl-2-pentanone	7.169	43	206343	49.965	ug/L	98
42) Toluene	7.320	91	182265	5.038	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	49547	4.871	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	29884	5.053	ug/L	97
47) Tetrachloroethene	7.912	164	40444	4.733	ug/L	96
48) 2-Hexanone	8.085	43	160177	50.570	ug/L	99
49) Dibromochloromethane	8.182	129	39075	5.252	ug/L	95
50) 1,2-Dibromoethane	8.288	107	26978	5.115	ug/L #	98
51) Chlorobenzene	8.818	112	118205	4.819	ug/L	100
52) Ethylbenzene	8.953	91	185136	4.694	ug/L	99
53) m,p-Xylene	9.079	106	72085	4.580	ug/L	100
54) o-Xylene	9.484	106	69723	4.654	ug/L	98
55) Styrene	9.500	104	119909	4.744	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	34219	5.176	ug/L	96
59) Bromoform	9.670	173	23061	5.160	ug/L	100
60) Isopropylbenzene	9.873	105	191687	4.682	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	22969	4.815	ug/L	98
62) 1,3,5-Trimethylbenzene	10.481	105	148050	4.442	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	148546	4.399	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	100773	4.793	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	98343	4.636	ug/L	95
67) 1,2-Dichlorobenzene	11.587	146	90389	4.781	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.371	75	5506	4.548	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.590	180	73326	4.405	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	51800	4.049	ug/L	98
71) Naphthalene	13.448	128	60133	3.278	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	42815	3.954	ug/L	99

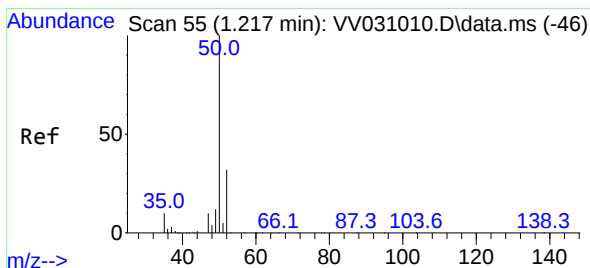
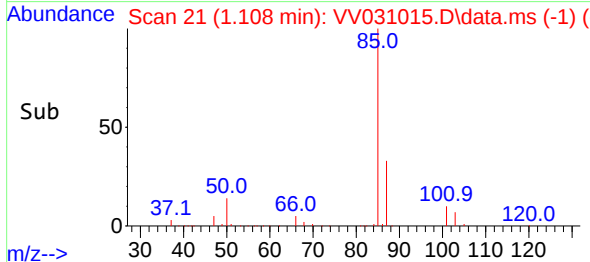
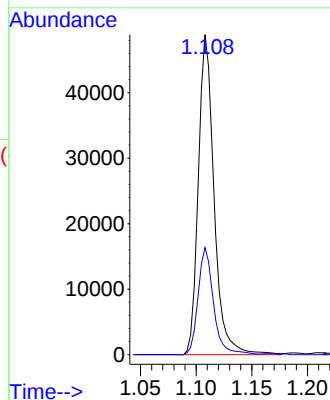
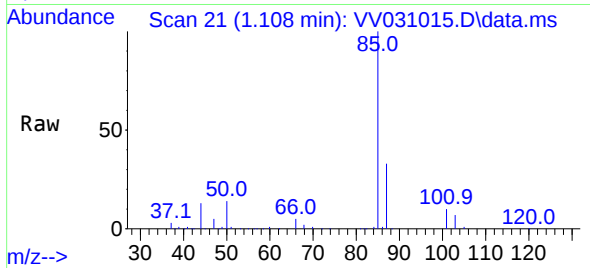
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.515 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031015.D
 Acq: 11 May 2023 14:50

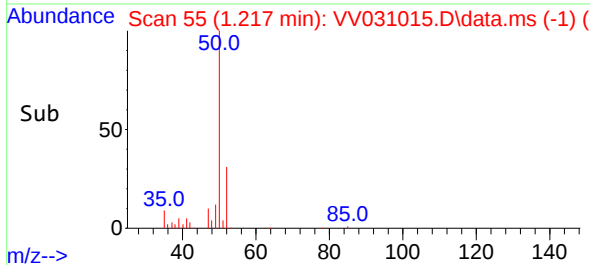
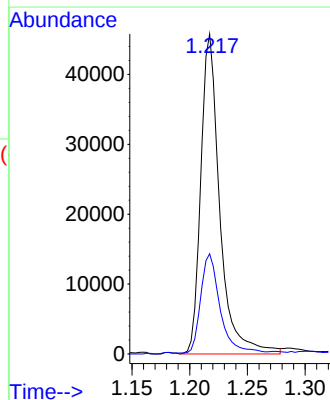
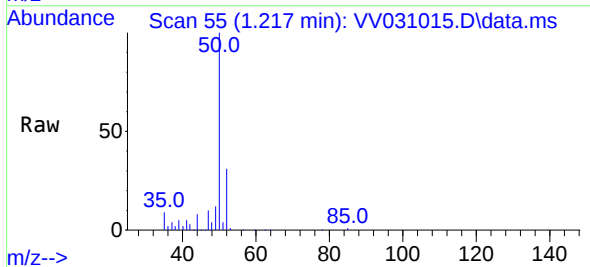
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005347

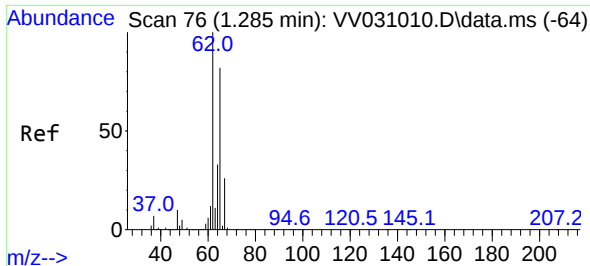
Tgt Ion: 85 Resp: 48171
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.8 38.6



#3
 Chloromethane
 Concen: 4.176 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031015.D
 Acq: 11 May 2023 14:50

Tgt Ion: 50 Resp: 52292
 Ion Ratio Lower Upper
 50 100
 52 31.3 22.8 42.4

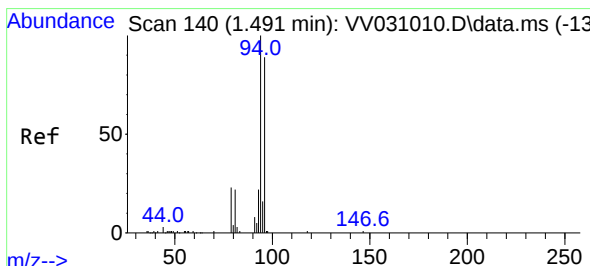
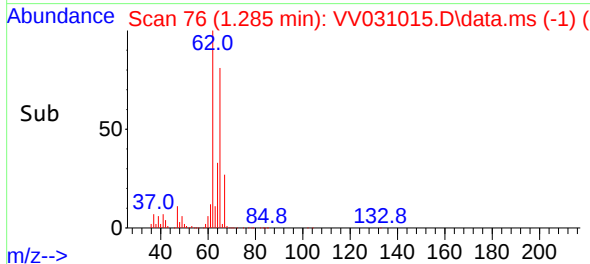
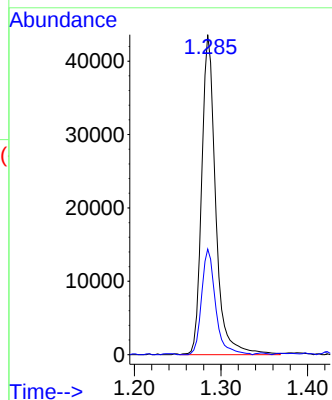
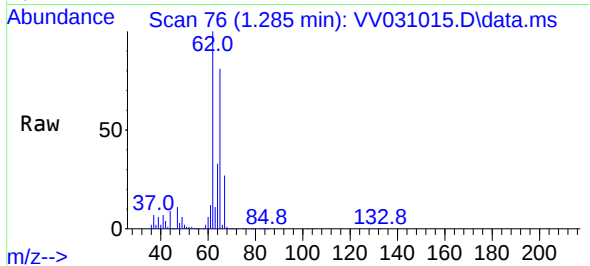




#5
 Vinyl chloride
 Concen: 4.662 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031015.D
 Acq: 11 May 2023 14:50

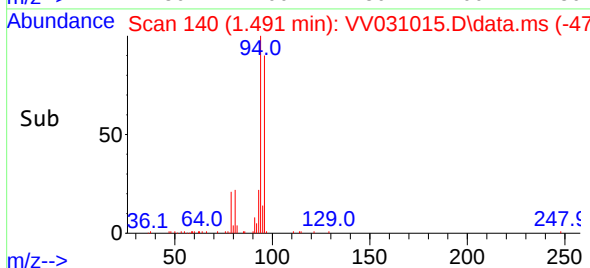
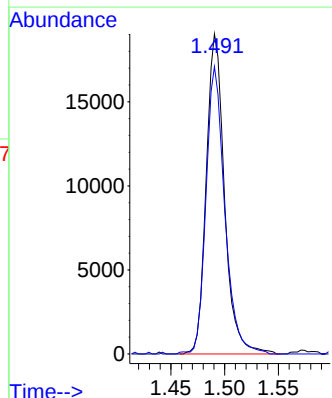
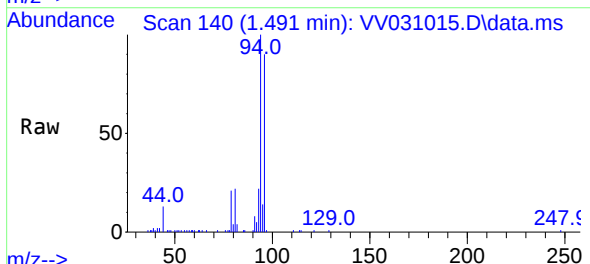
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005347

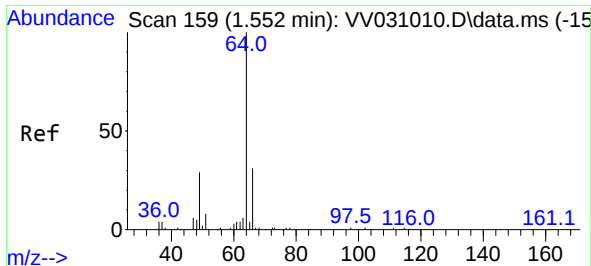
Tgt Ion: 62 Resp: 48855
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.8 42.4



#6
 Bromomethane
 Concen: 4.491 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV031015.D
 Acq: 11 May 2023 14:50

Tgt Ion: 94 Resp: 22417
 Ion Ratio Lower Upper
 94 100
 96 89.8 63.4 117.8

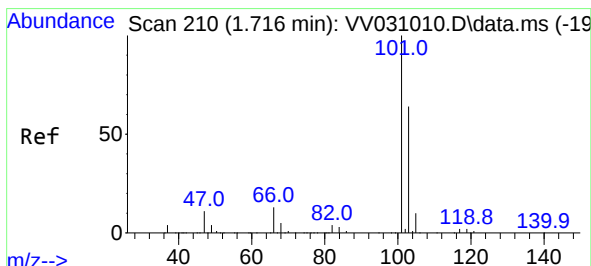
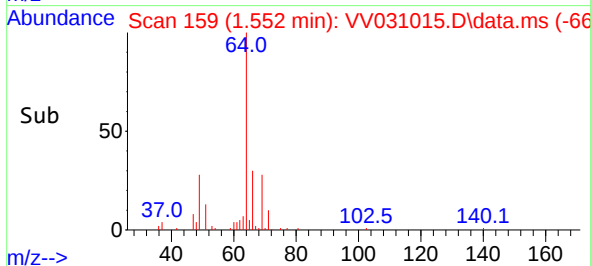
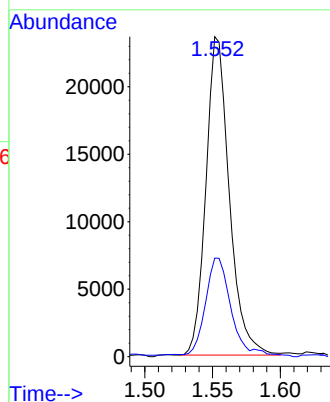
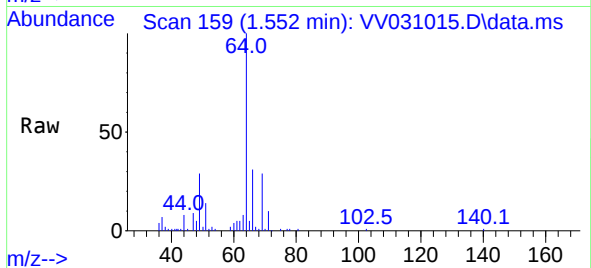




#8
Chloroethane
Concen: 4.442 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

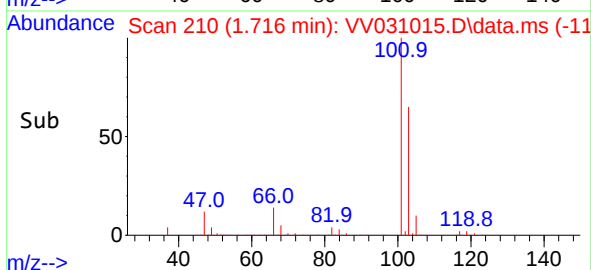
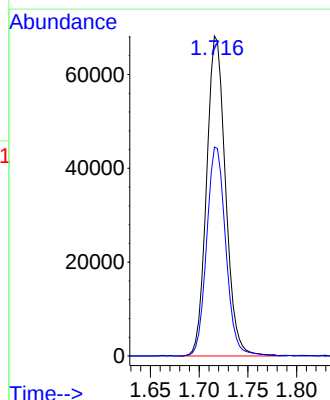
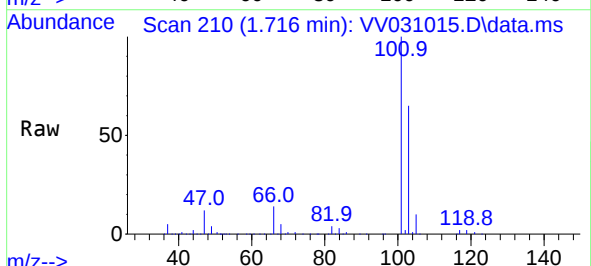
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

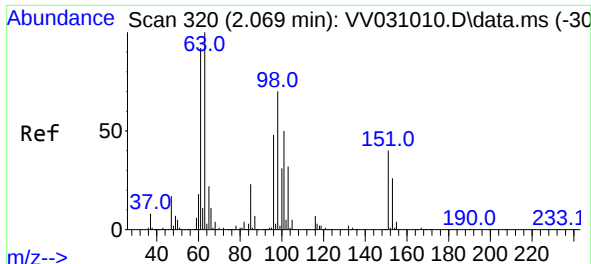
Tgt Ion: 64 Resp: 28335
Ion Ratio Lower Upper
64 100
66 30.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.773 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion:101 Resp: 92284
Ion Ratio Lower Upper
101 100
103 65.7 51.8 77.8

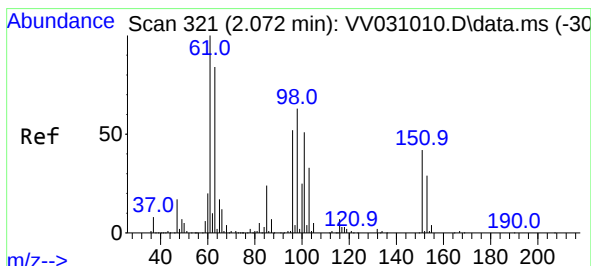
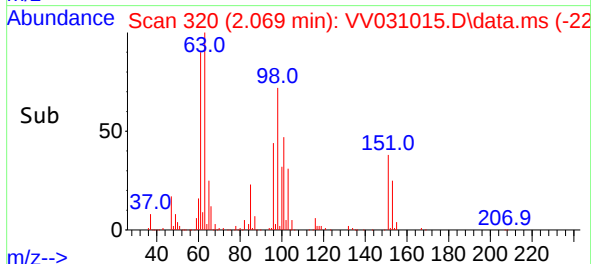
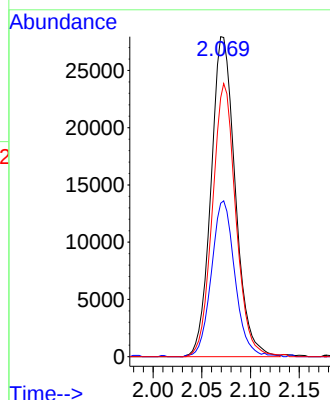
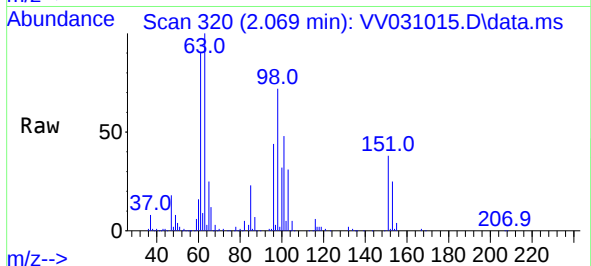




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.904 ug/L
RT: 2.069 min Scan# 310
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

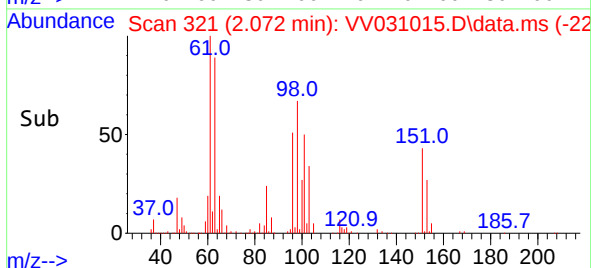
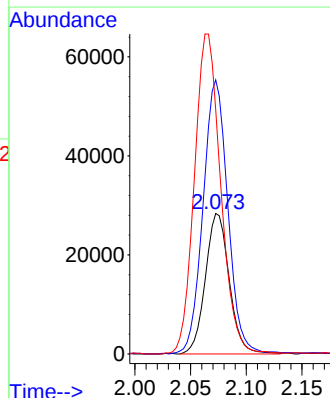
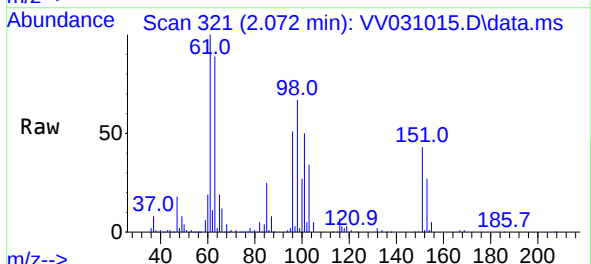
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

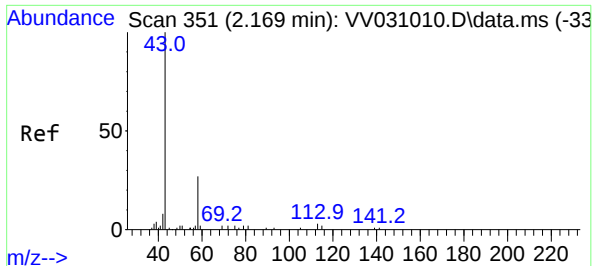
Tgt Ion:101 Resp: 48400
Ion Ratio Lower Upper
101 100
85 47.2 38.7 58.1
151 82.6 65.1 97.7



#12
1,1-Dichloroethene
Concen: 4.650 ug/L
RT: 2.072 min Scan# 321
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion: 96 Resp: 42264
Ion Ratio Lower Upper
96 100
61 195.1 135.6 251.8
63 173.8 121.1 224.9

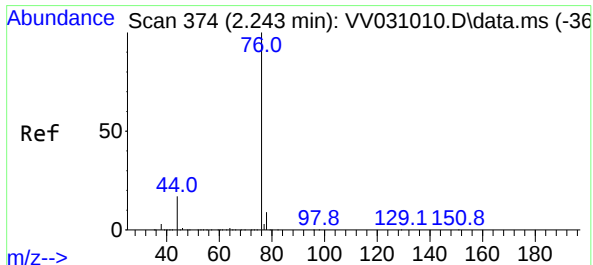
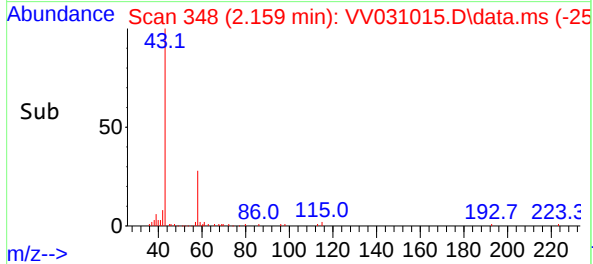
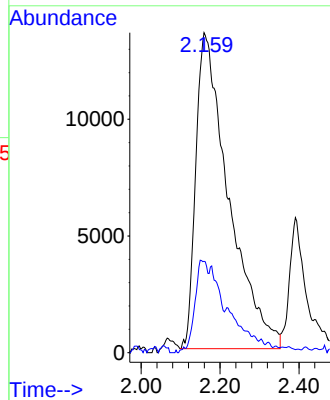
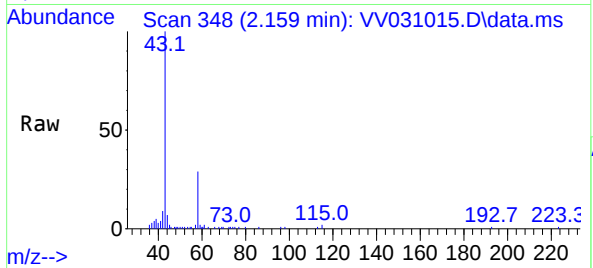




#13
Acetone
Concen: 46.298 ug/L
RT: 2.159 min Scan# 34
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

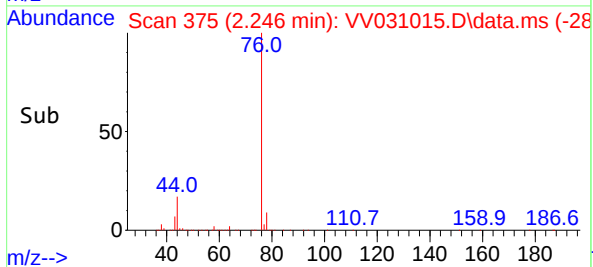
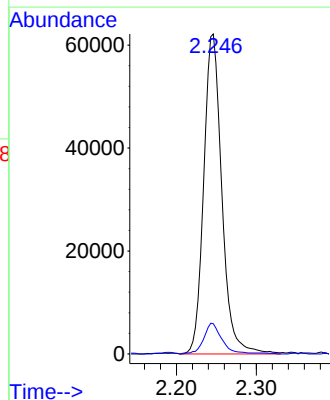
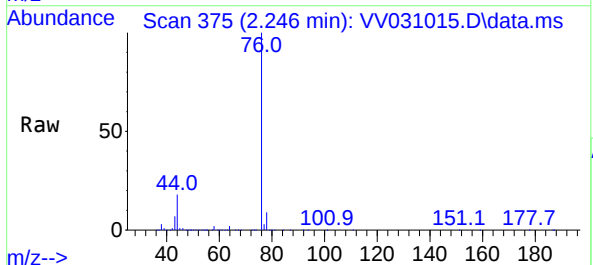
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

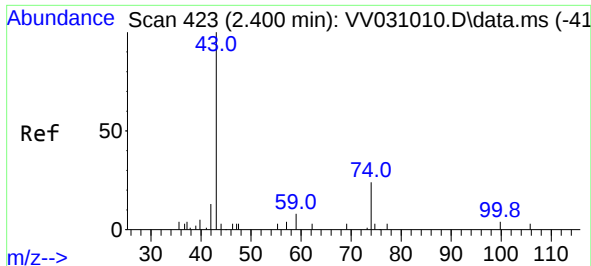
Tgt Ion: 43 Resp: 78034
Ion Ratio Lower Upper
43 100
58 12.0 0.0 37.0



#14
Carbon disulfide
Concen: 4.127 ug/L
RT: 2.246 min Scan# 375
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion: 76 Resp: 98155
Ion Ratio Lower Upper
76 100
78 9.4 6.8 10.2

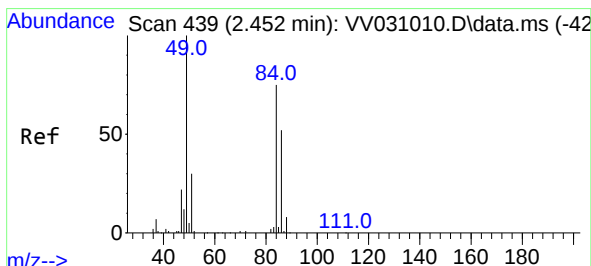
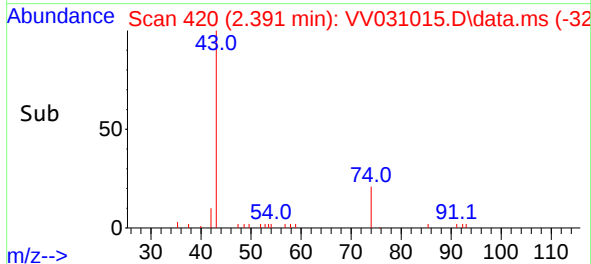
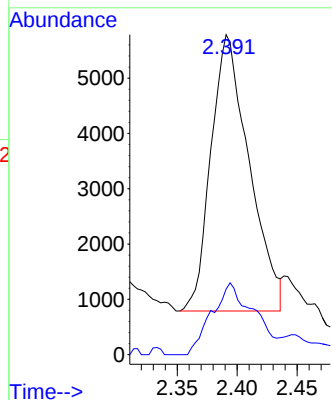
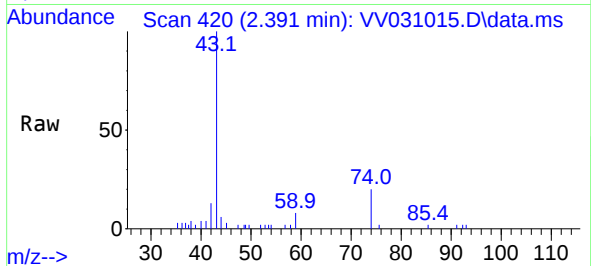




#15
Methyl Acetate
Concen: 3.231 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

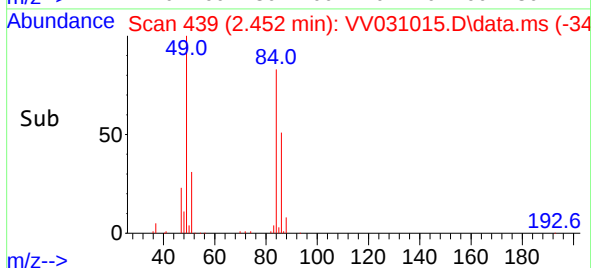
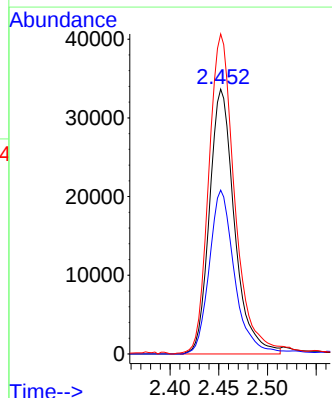
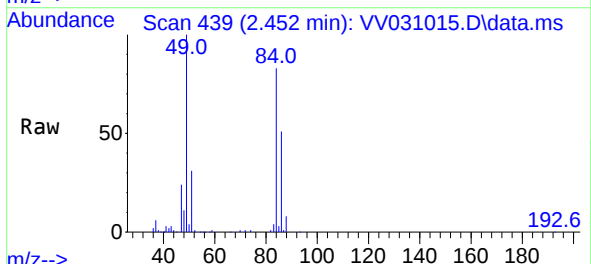
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

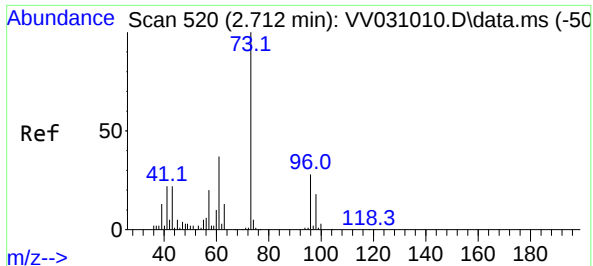
Tgt Ion: 43 Resp: 11080
Ion Ratio Lower Upper
43 100
74 28.6 15.0 22.6#



#16
Methylene chloride
Concen: 5.855 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion: 84 Resp: 60200
Ion Ratio Lower Upper
84 100
86 61.9 46.1 85.5
49 120.9 94.3 175.1



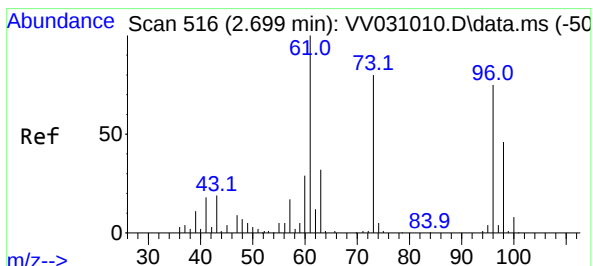
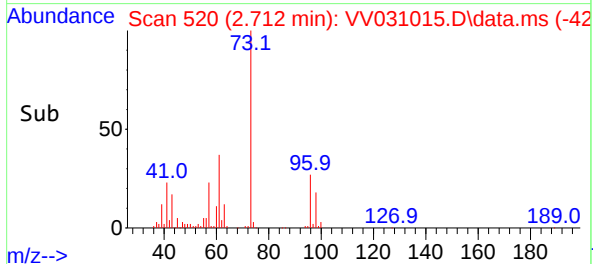
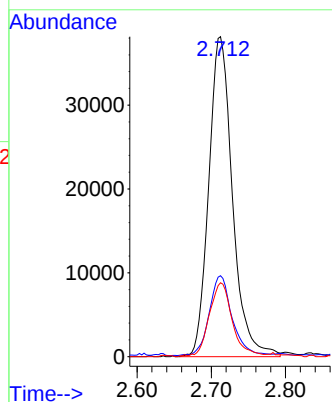
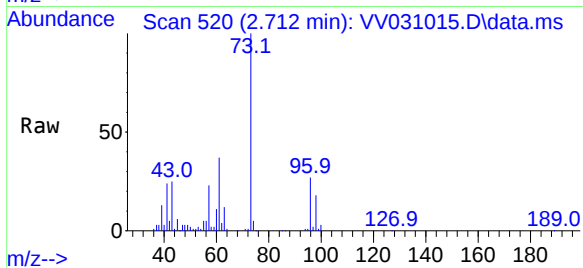


#17
Methyl tert-butyl Ether
Concen: 4.897 ug/L
RT: 2.712 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

Tgt Ion: 73 Resp: 84736

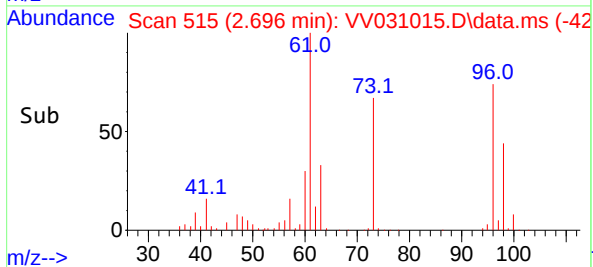
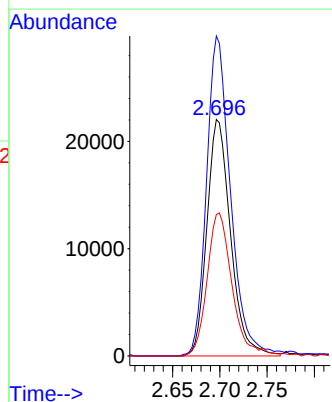
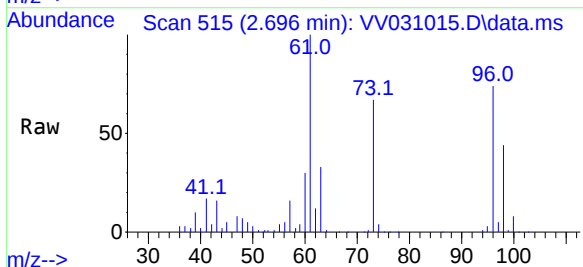
Ion	Ratio	Lower	Upper
73	100		
43	24.2	19.9	29.9
57	22.6	18.2	27.4

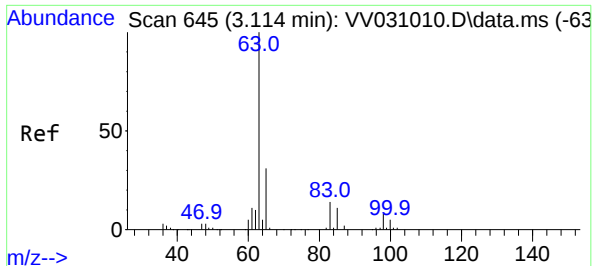


#18
trans-1,2-Dichloroethene
Concen: 4.630 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.003 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion: 96 Resp: 38441

Ion	Ratio	Lower	Upper
96	100		
61	135.4	98.9	183.7
98	59.9	46.0	85.4



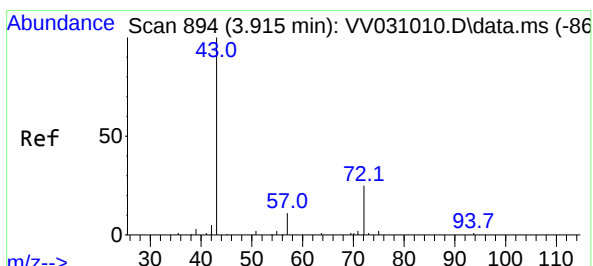
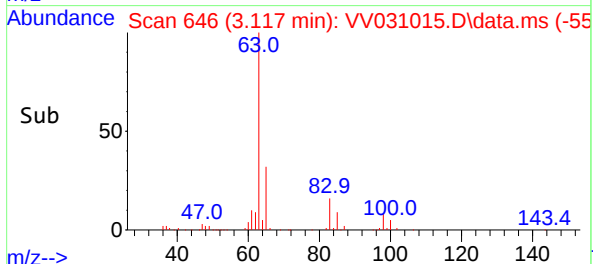
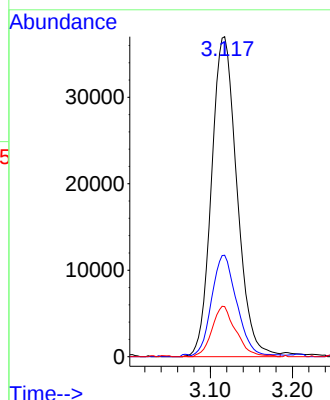
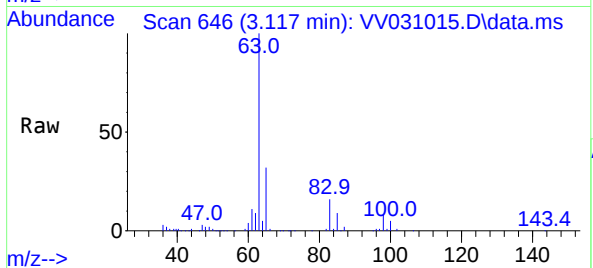


#19
1,1-Dichloroethane
Concen: 4.982 ug/L
RT: 3.117 min Scan# 64
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

Tgt Ion: 63 Resp: 79865

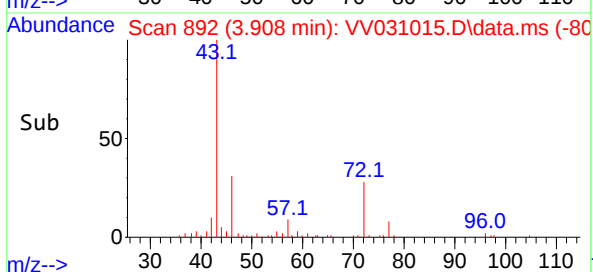
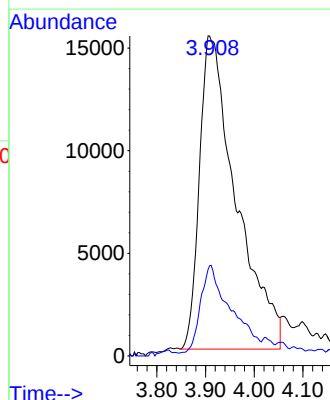
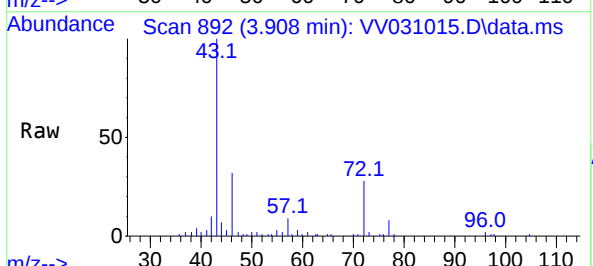
Ion	Ratio	Lower	Upper
63	100		
65	31.7	21.8	40.6
83	15.6	10.2	19.0

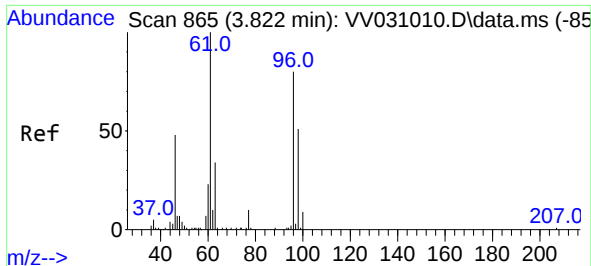


#21
2-Butanone
Concen: 43.049 ug/L
RT: 3.908 min Scan# 892
Delta R.T. -0.010 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion: 43 Resp: 79798

Ion	Ratio	Lower	Upper
43	100		
72	23.7	9.6	28.6

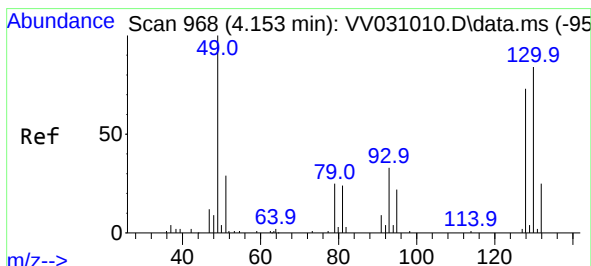
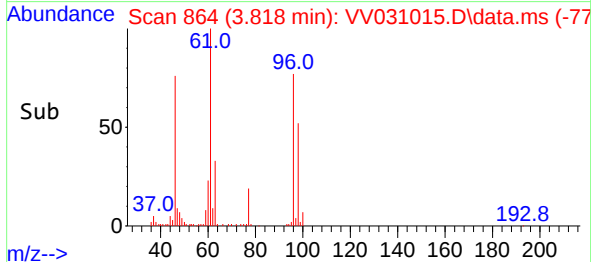
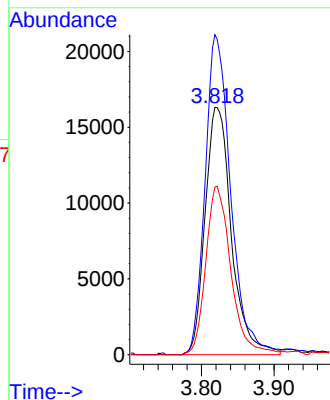
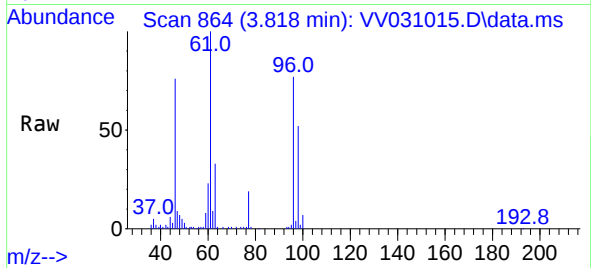




#22
cis-1,2-Dichloroethene
Concen: 4.706 ug/L
RT: 3.818 min Scan# 865
Delta R.T. -0.006 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

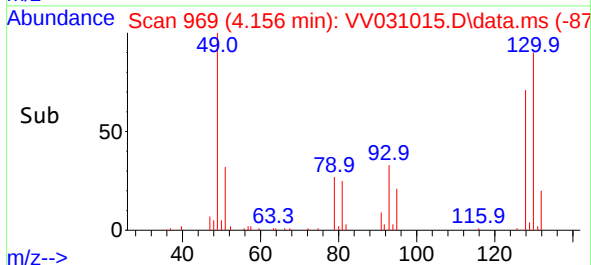
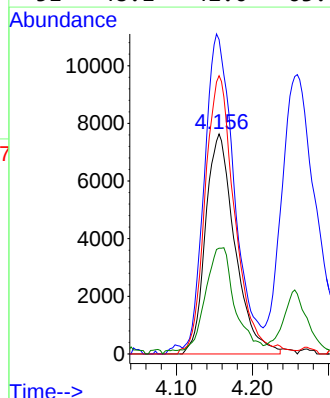
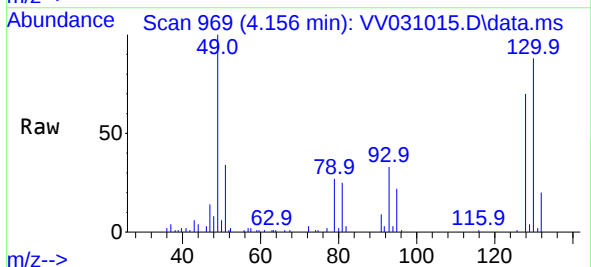
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

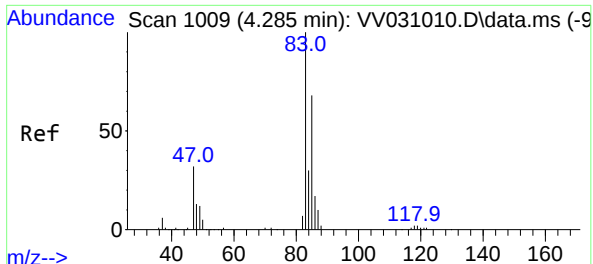
Tgt Ion: 96 Resp: 41222
Ion Ratio Lower Upper
96 100
61 129.4 86.0 159.6
98 67.8 43.2 80.2



#23
Bromochloromethane
Concen: 4.954 ug/L
RT: 4.156 min Scan# 969
Delta R.T. -0.003 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion: 128 Resp: 20431
Ion Ratio Lower Upper
128 100
49 142.9 104.7 194.5
130 126.5 93.4 173.4
51 48.1 42.0 63.0

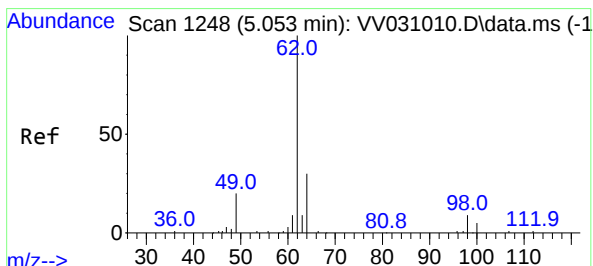
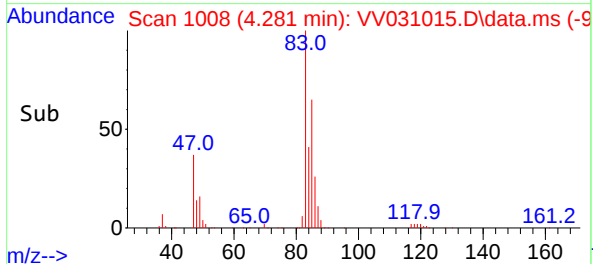
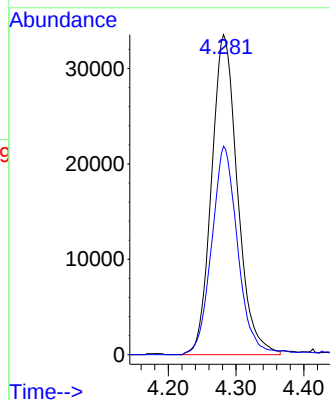
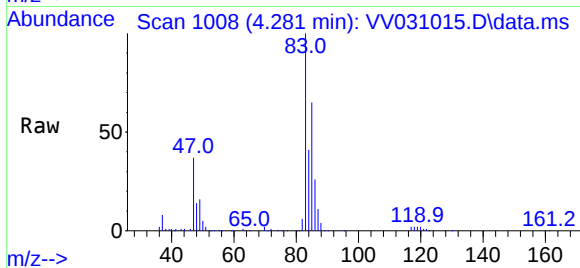




#25
Chloroform
Concen: 5.186 ug/L
RT: 4.281 min Scan# 1009
Delta R.T. -0.003 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

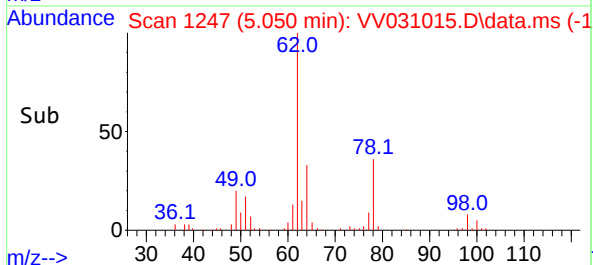
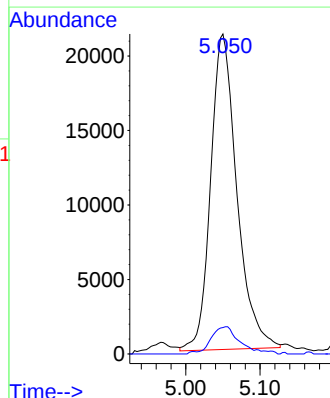
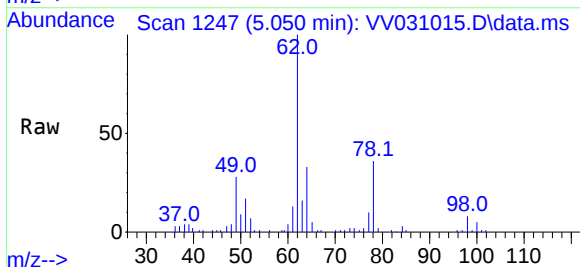
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

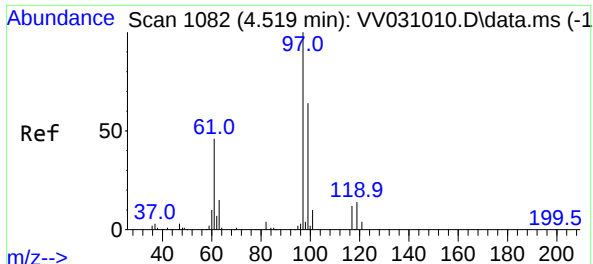
Tgt Ion: 83 Resp: 89208
Ion Ratio Lower Upper
83 100
85 65.1 46.4 86.2



#27
1,2-Dichloroethane
Concen: 4.820 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. -0.003 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion: 62 Resp: 52036
Ion Ratio Lower Upper
62 100
98 8.3 6.0 9.0



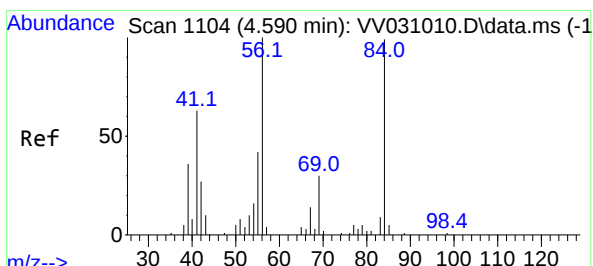
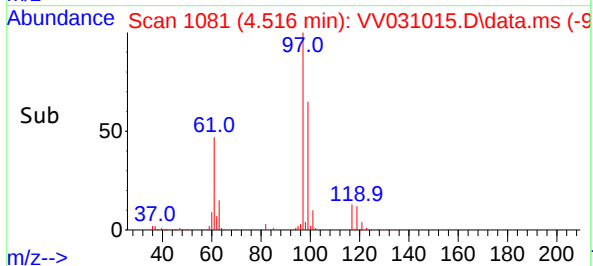
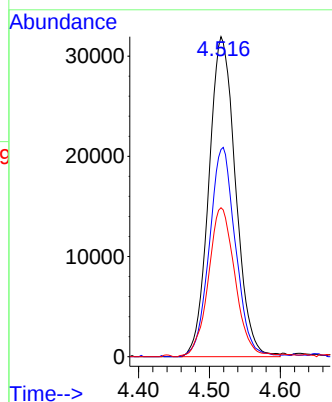
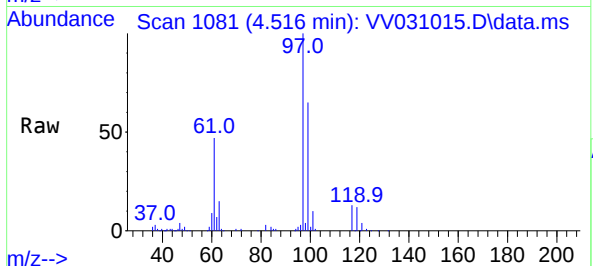


#29
1,1,1-Trichloroethane
Concen: 4.982 ug/L
RT: 4.516 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

Tgt Ion: 97 Resp: 83633

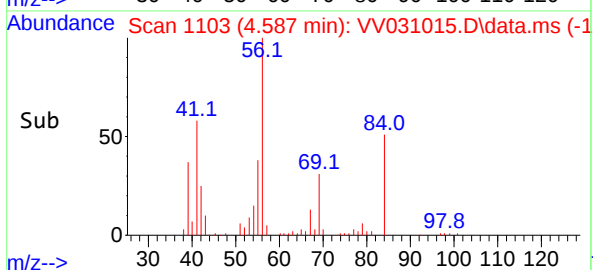
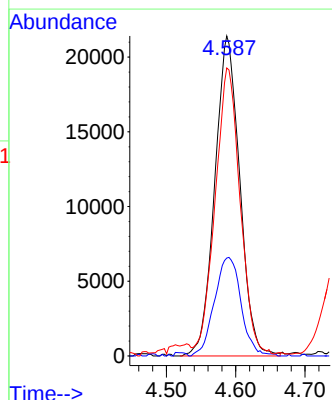
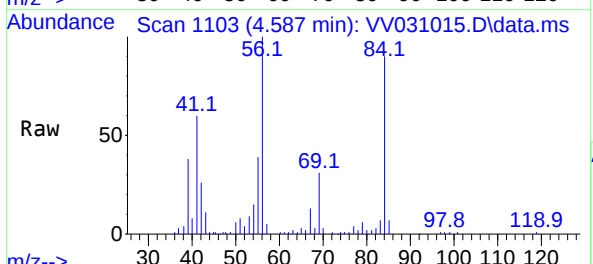
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.2
61	46.6	37.4	56.0

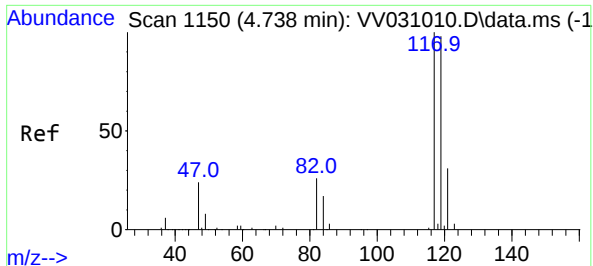


#30
Cyclohexane
Concen: 4.227 ug/L
RT: 4.587 min Scan# 1103
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion: 56 Resp: 53598

Ion	Ratio	Lower	Upper
56	100		
69	32.9	25.0	37.6
84	88.9	74.2	111.2

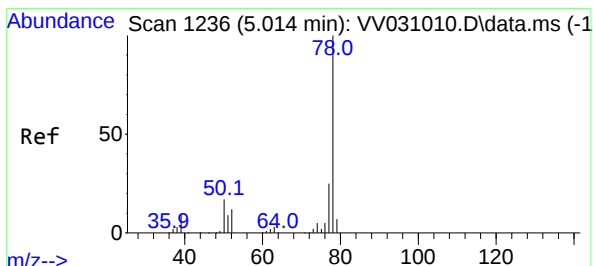
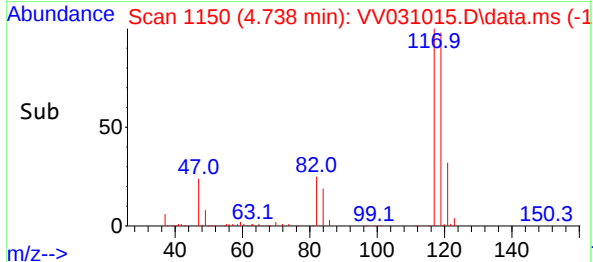
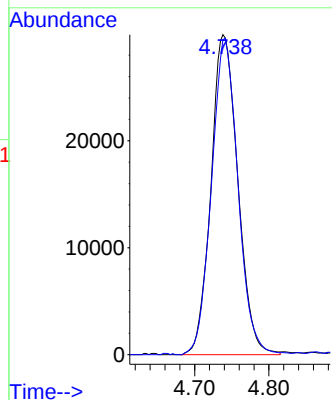
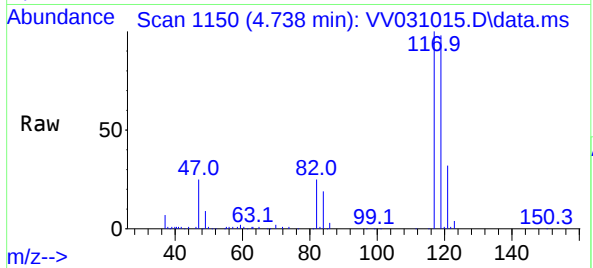




#31
Carbon tetrachloride
Concen: 4.986 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. -0.006 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

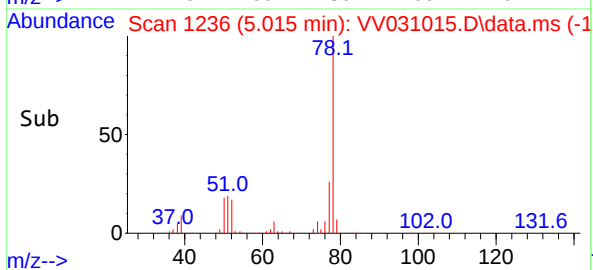
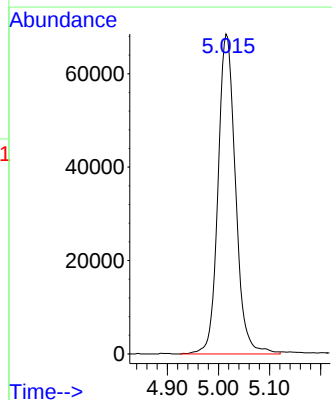
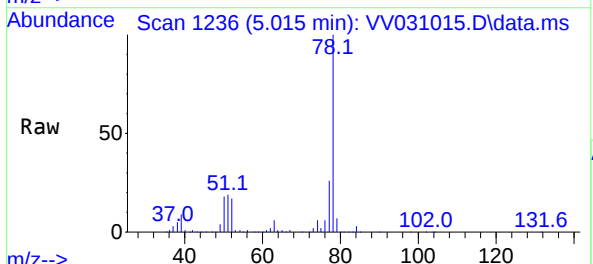
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

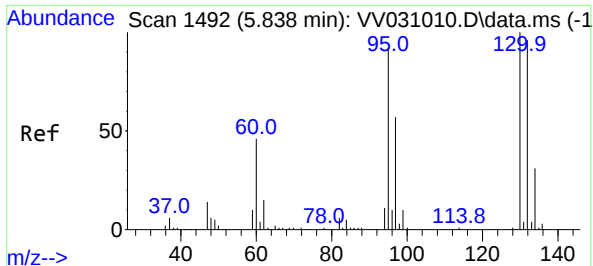
Tgt Ion:117 Resp: 75177
Ion Ratio Lower Upper
117 100
119 97.4 78.4 117.6



#33
Benzene
Concen: 4.853 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion: 78 Resp: 163079



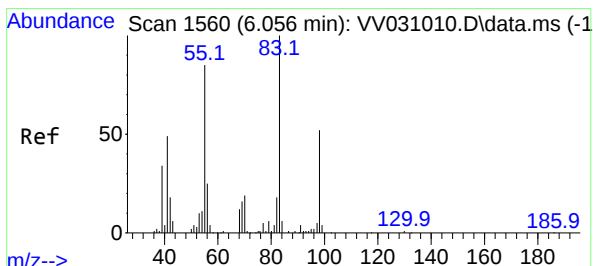
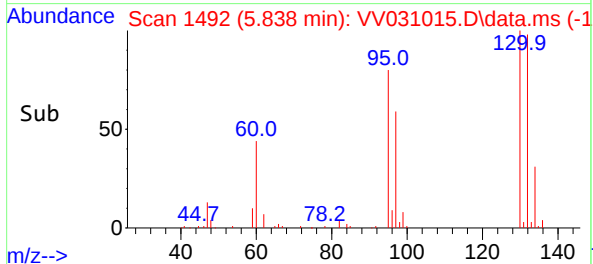
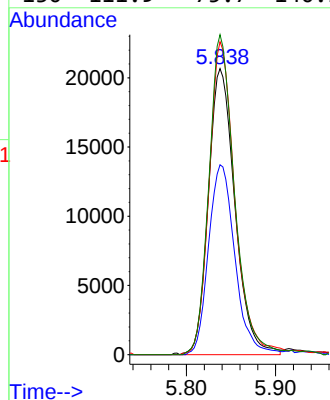
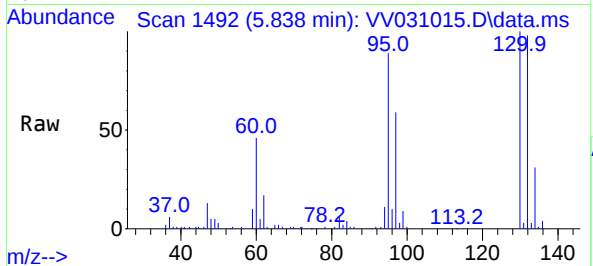


#34
Trichloroethene
Concen: 4.768 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

Tgt Ion: 95 Resp: 42713

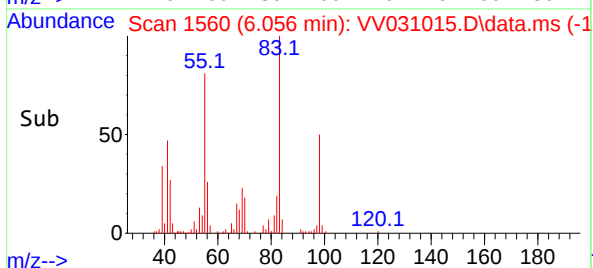
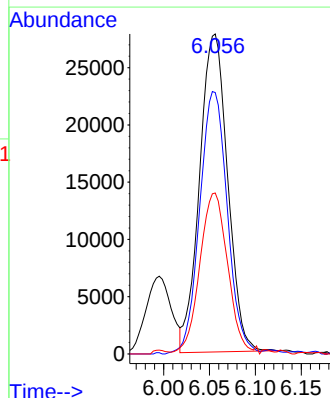
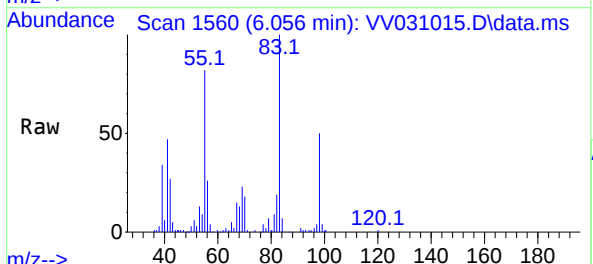
Ion	Ratio	Lower	Upper
95	100		
97	66.4	46.2	85.8
132	109.4	72.7	135.1
130	111.9	75.7	140.5

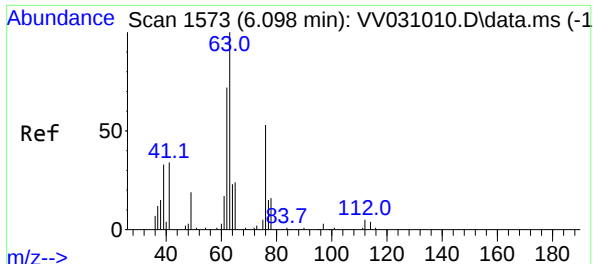


#35
Methylcyclohexane
Concen: 4.260 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion: 83 Resp: 59137

Ion	Ratio	Lower	Upper
83	100		
55	81.4	62.9	94.3
98	50.5	40.5	60.7

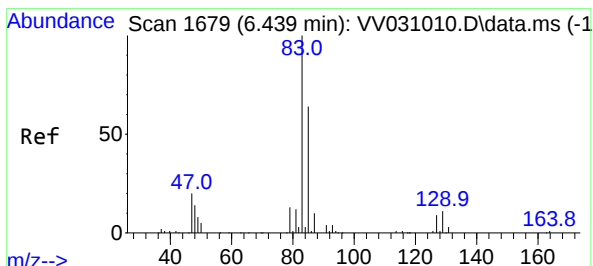
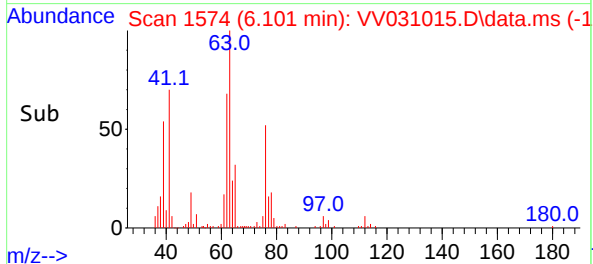
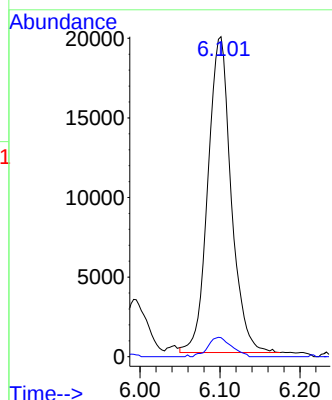
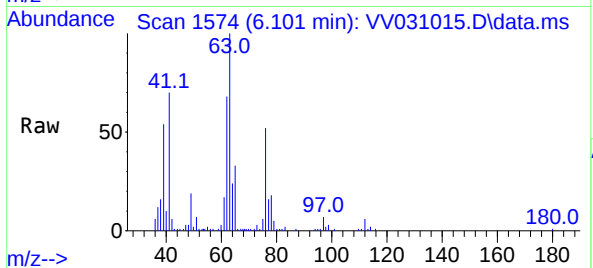




#37
1,2-Dichloropropane
Concen: 5.038 ug/L
RT: 6.101 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

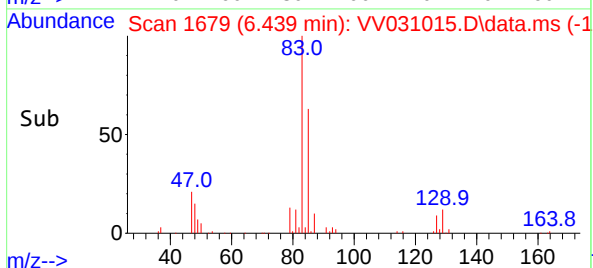
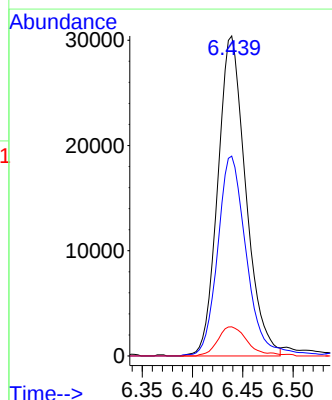
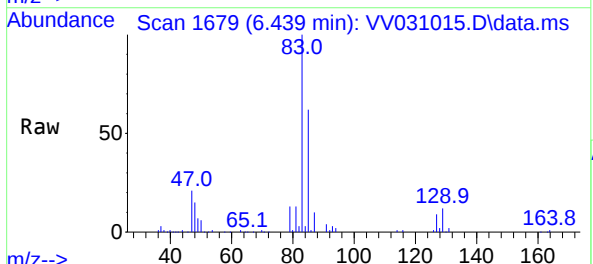
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

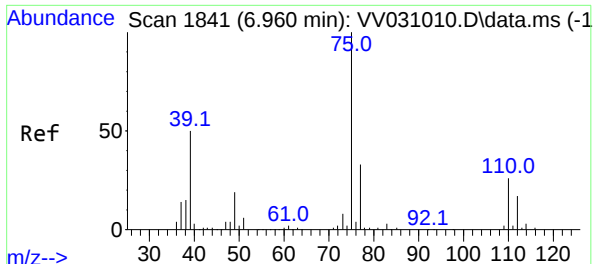
Tgt Ion: 63 Resp: 40153
Ion Ratio Lower Upper
63 100
112 6.2 3.8 5.8#



#38
Bromodichloromethane
Concen: 5.042 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion: 83 Resp: 58813
Ion Ratio Lower Upper
83 100
85 62.4 44.4 82.4
127 9.1 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.776 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031015.D

Acq: 11 May 2023 14:50

Instrument :

MSVOA_V

ClientSampleId :

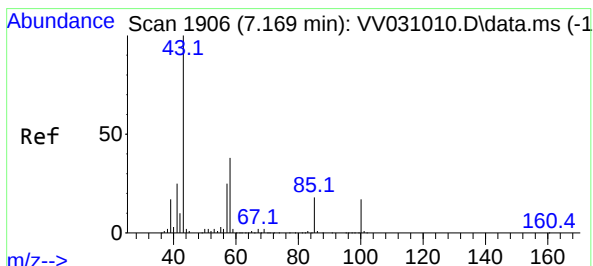
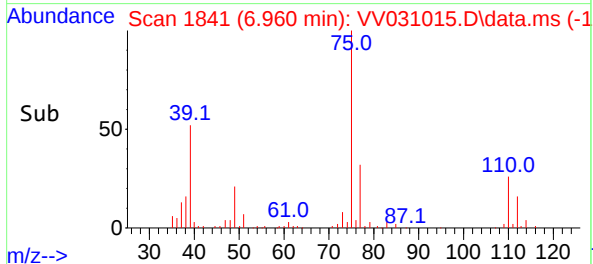
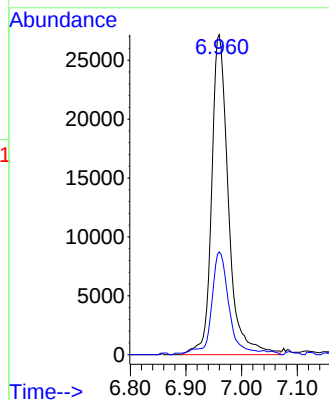
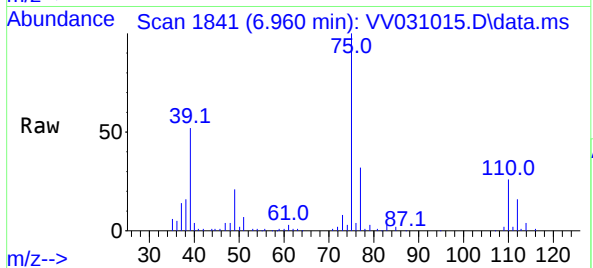
VSTD005347

Tgt Ion: 75 Resp: 57011

Ion Ratio Lower Upper

75 100

77 32.1 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 49.965 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VV031015.D

Acq: 11 May 2023 14:50

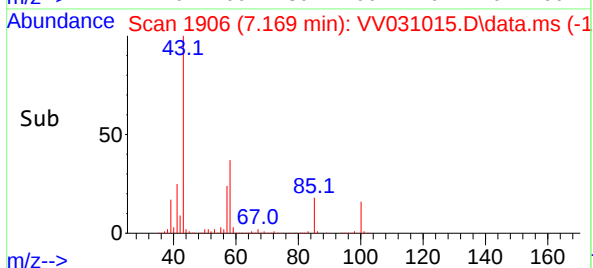
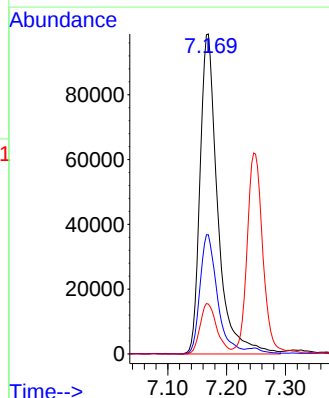
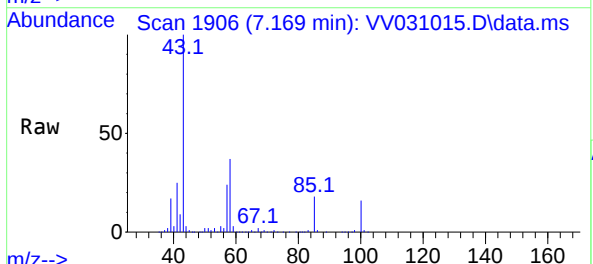
Tgt Ion: 43 Resp: 206343

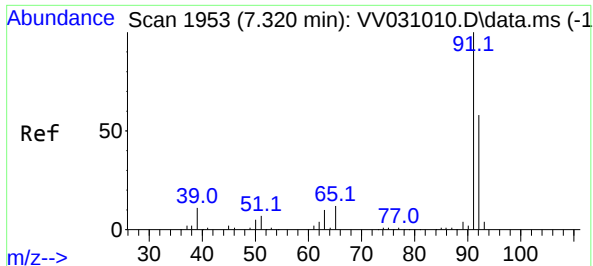
Ion Ratio Lower Upper

43 100

58 36.6 28.3 42.5

100 14.9 11.8 17.8





#42

Toluene

Concen: 5.038 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.003 min

Lab File: VV031015.D

Acq: 11 May 2023 14:50

Instrument :

MSVOA_V

ClientSampleId :

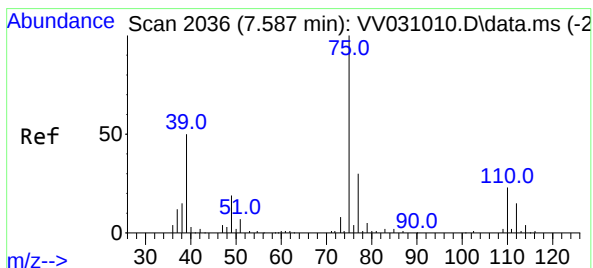
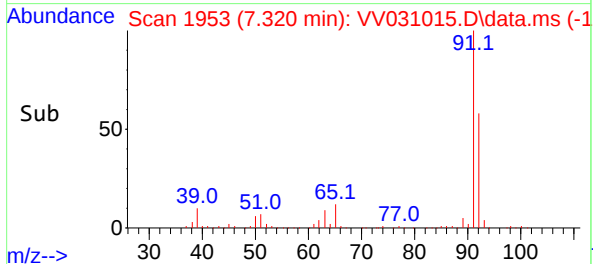
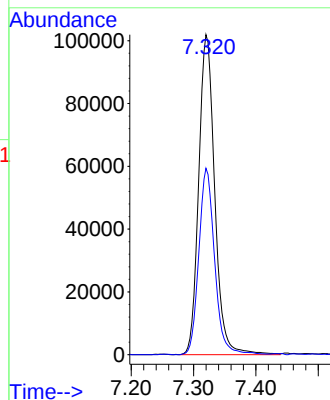
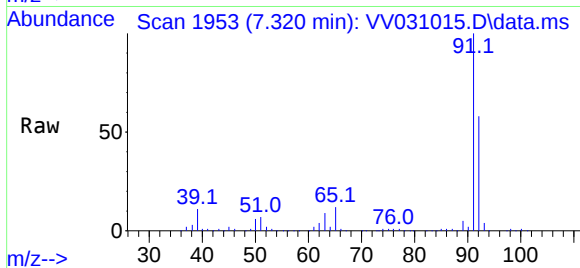
VSTD005347

Tgt Ion: 91 Resp: 182265

Ion Ratio Lower Upper

91 100

92 58.3 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.871 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.003 min

Lab File: VV031015.D

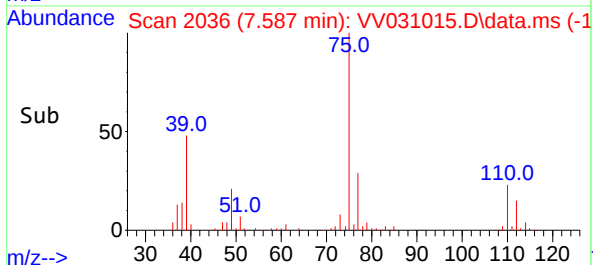
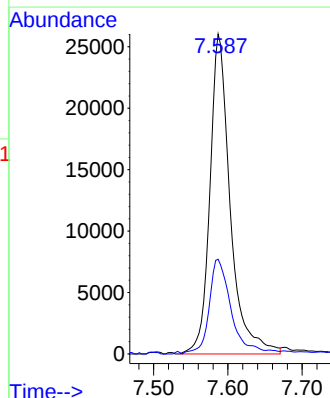
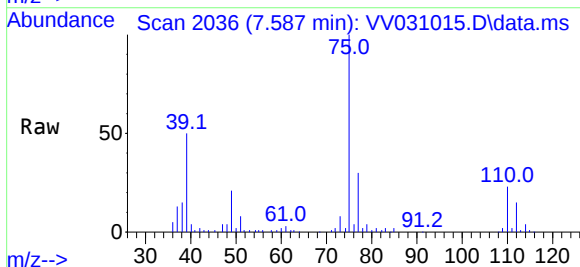
Acq: 11 May 2023 14:50

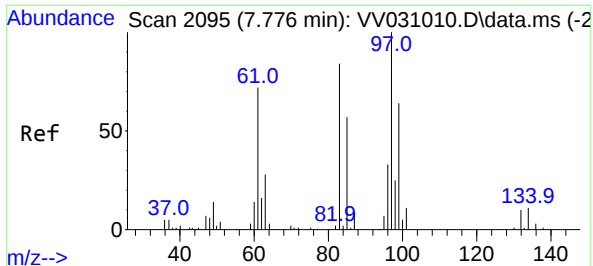
Tgt Ion: 75 Resp: 49547

Ion Ratio Lower Upper

75 100

77 29.6 21.6 40.0



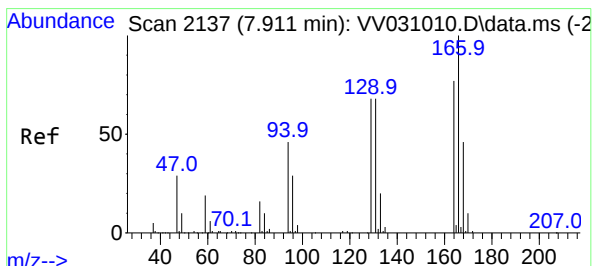
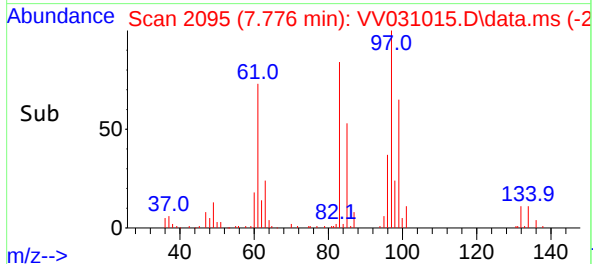
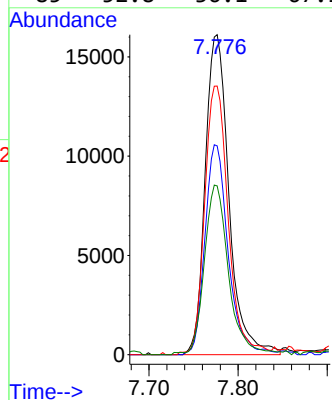
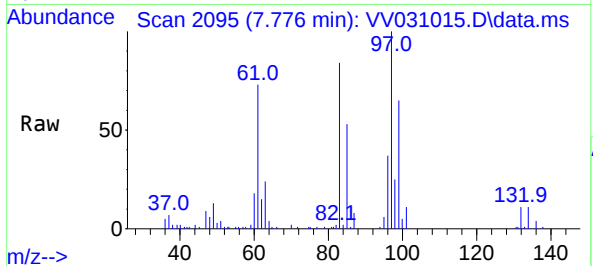


#45
1,1,2-Trichloroethane
Concen: 5.053 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

Tgt Ion: 97 Resp: 29884

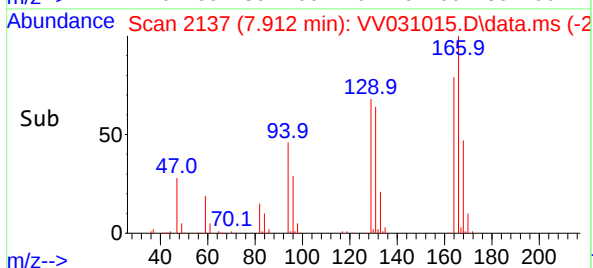
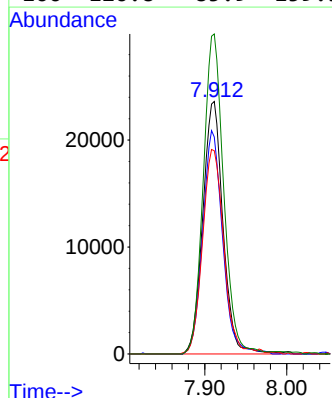
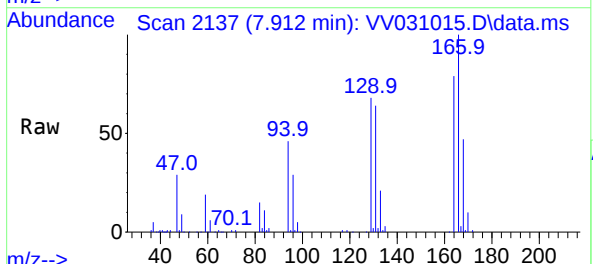
Ion	Ratio	Lower	Upper
97	100		
99	65.3	42.8	79.6
83	83.9	57.5	106.7
85	52.8	36.1	67.1

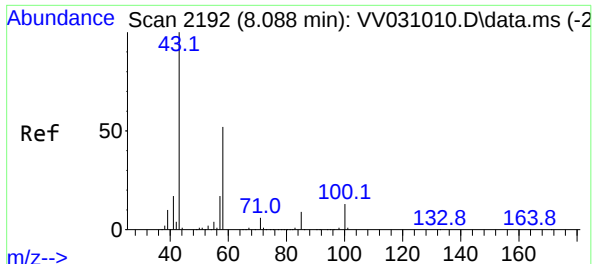


#47
Tetrachloroethene
Concen: 4.733 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion: 164 Resp: 40444

Ion	Ratio	Lower	Upper
164	100		
129	85.9	60.5	112.3
131	80.5	60.8	112.8
166	126.8	85.9	159.5



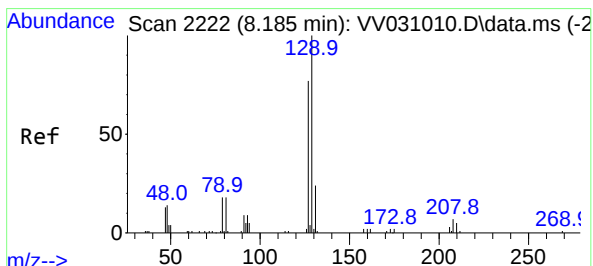
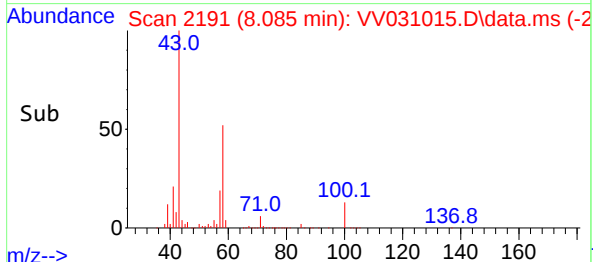
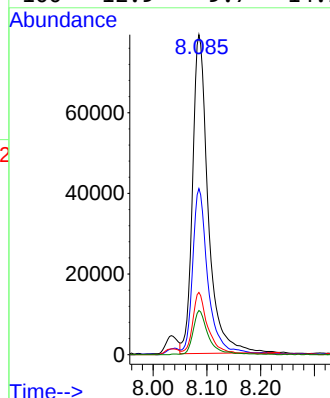
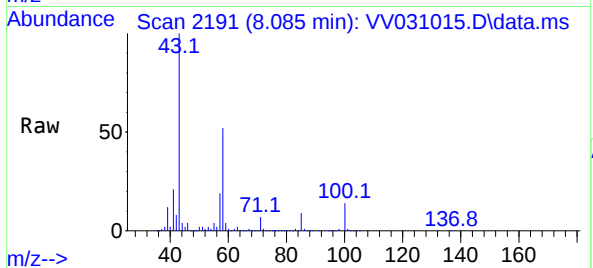


#48
2-Hexanone
Concen: 50.570 ug/L
RT: 8.085 min Scan# 2192
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

Tgt Ion: 43 Resp: 160177

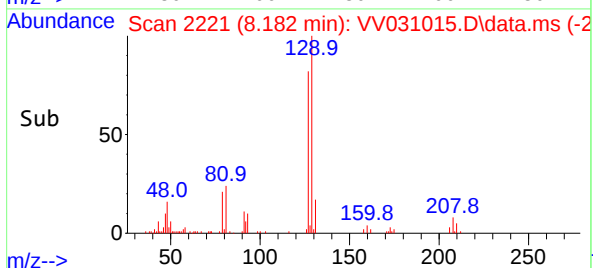
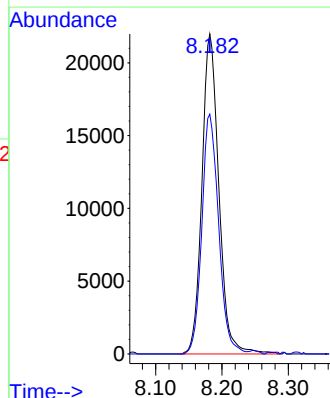
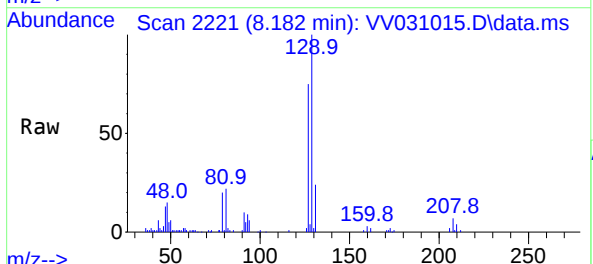
Ion	Ratio	Lower	Upper
43	100		
58	50.1	39.9	59.9
57	18.4	14.1	21.1
100	12.9	9.7	14.5

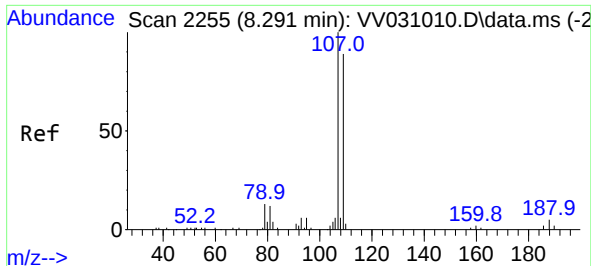


#49
Dibromochloromethane
Concen: 5.252 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. -0.003 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion: 129 Resp: 39075

Ion	Ratio	Lower	Upper
129	100		
127	74.9	55.3	102.7

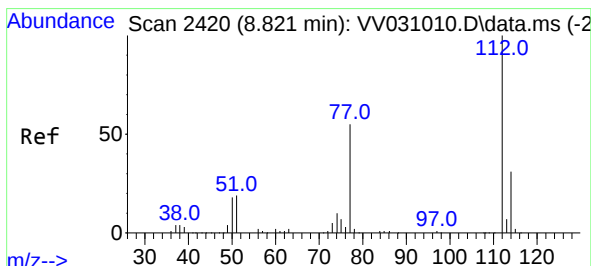
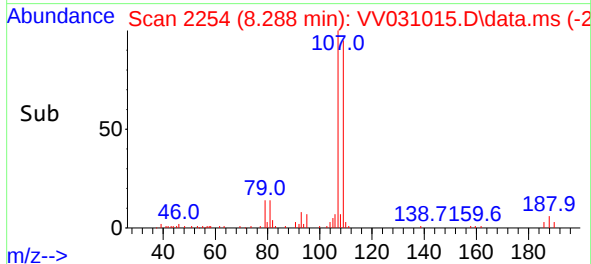
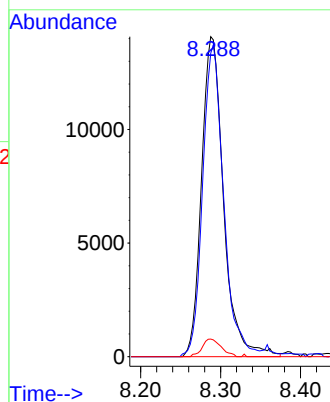
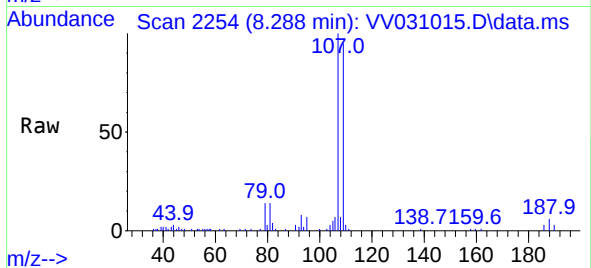




#50
1,2-Dibromoethane
Concen: 5.115 ug/L
RT: 8.288 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

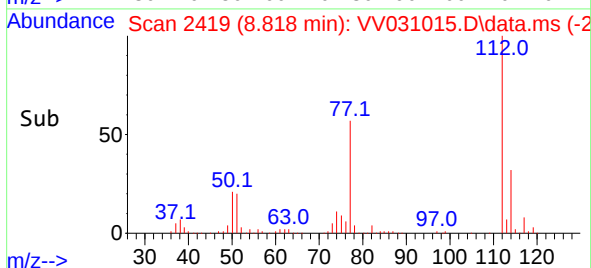
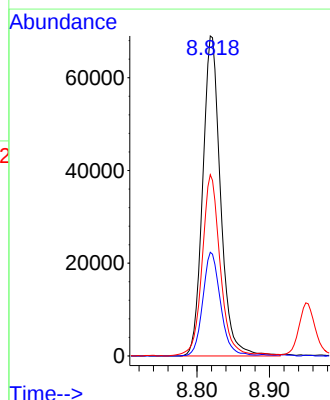
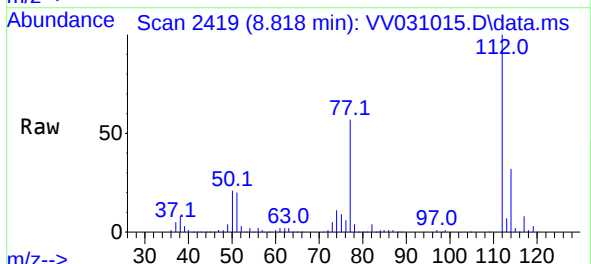
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

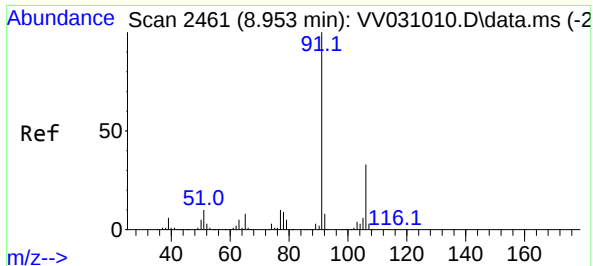
Tgt Ion:107 Resp: 26978
Ion Ratio Lower Upper
107 100
109 94.9 64.9 120.5
188 5.5 3.2 4.8#



#51
Chlorobenzene
Concen: 4.819 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. -0.003 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion:112 Resp: 118205
Ion Ratio Lower Upper
112 100
114 32.4 22.5 41.9
77 56.7 45.3 67.9

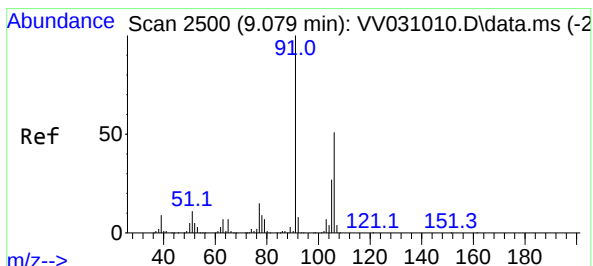
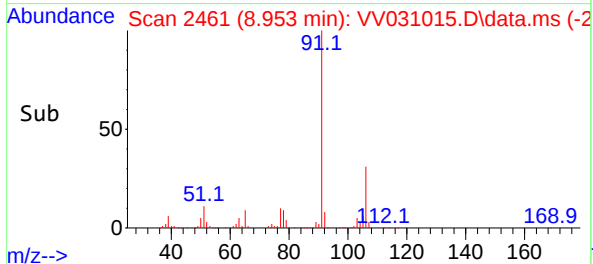
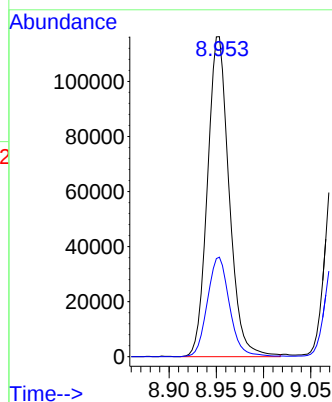
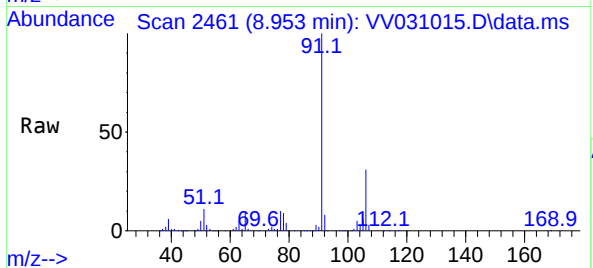




#52
Ethylbenzene
Concen: 4.694 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

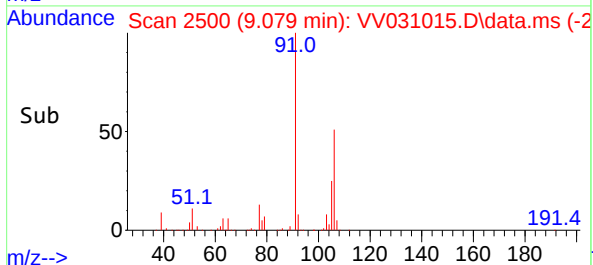
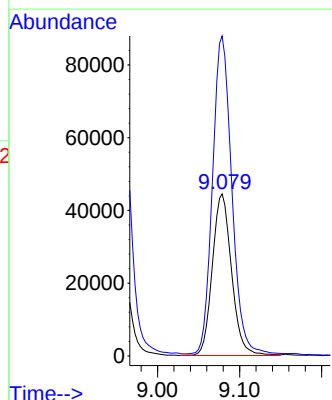
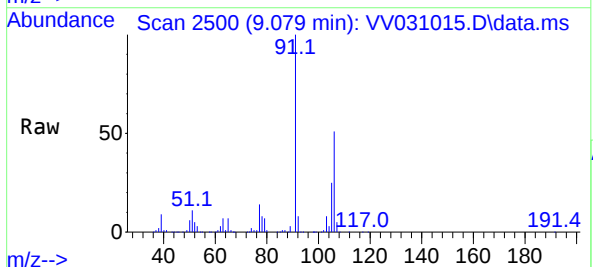
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

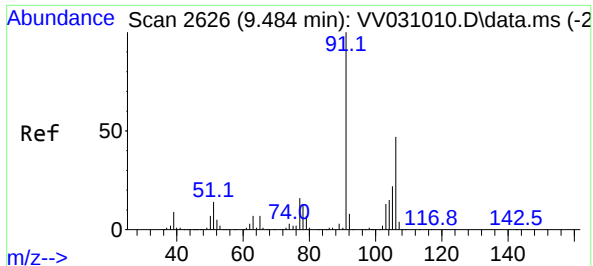
Tgt Ion: 91 Resp: 185136
Ion Ratio Lower Upper
91 100
106 31.1 21.4 39.8



#53
m,p-Xylene
Concen: 4.580 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion:106 Resp: 72085
Ion Ratio Lower Upper
106 100
91 197.4 138.7 257.5

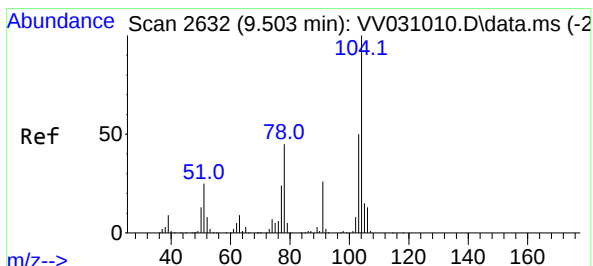
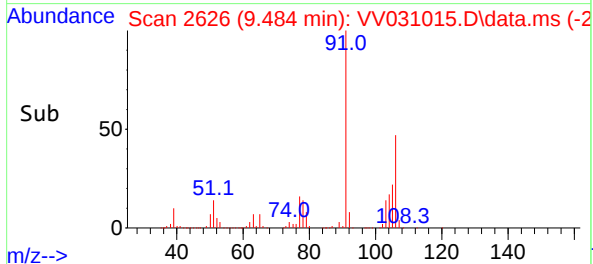
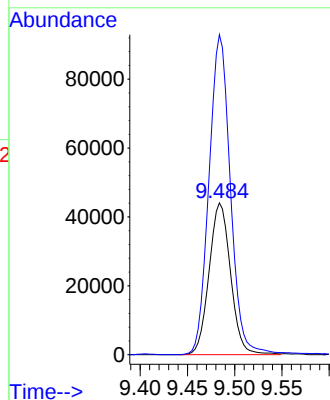
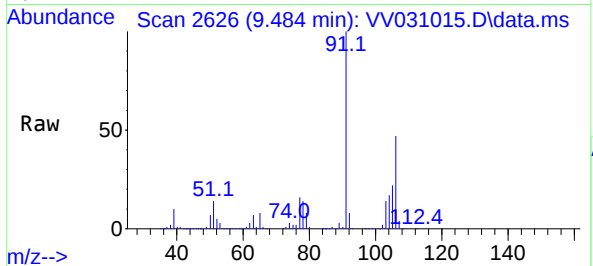




#54
o-Xylene
Concen: 4.654 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

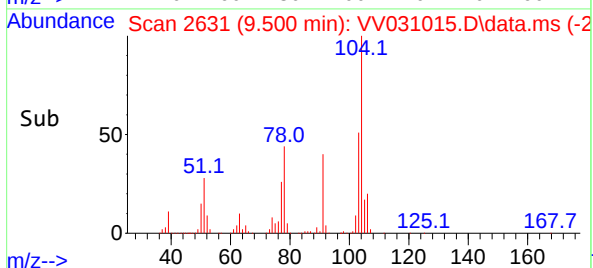
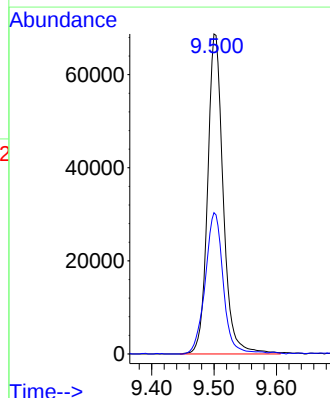
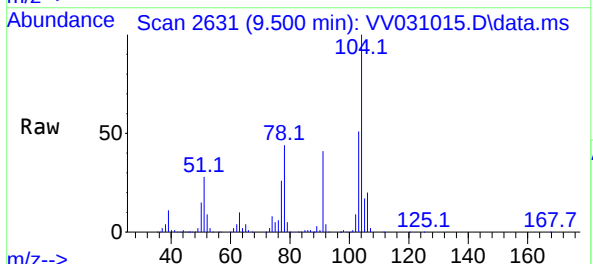
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

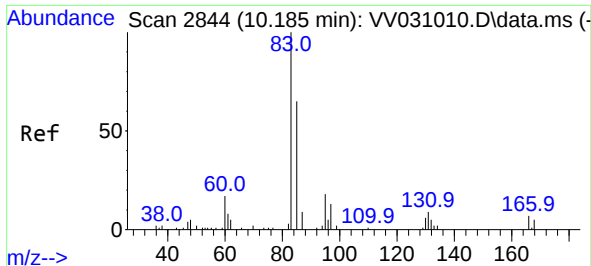
Tgt Ion:106 Resp: 69723
Ion Ratio Lower Upper
106 100
91 210.7 145.1 269.5



#55
Styrene
Concen: 4.744 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.003 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion:104 Resp: 119909
Ion Ratio Lower Upper
104 100
78 44.1 31.4 58.2

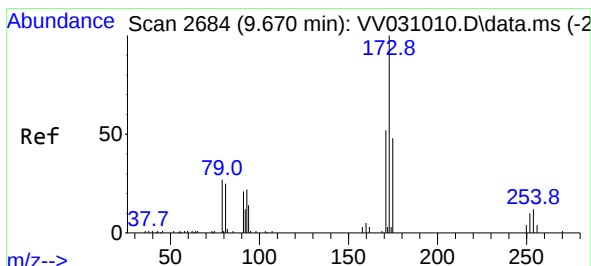
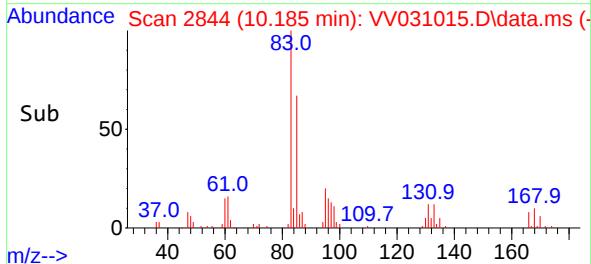
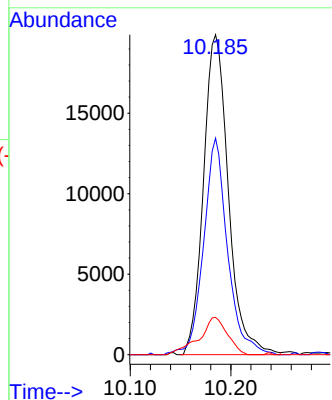
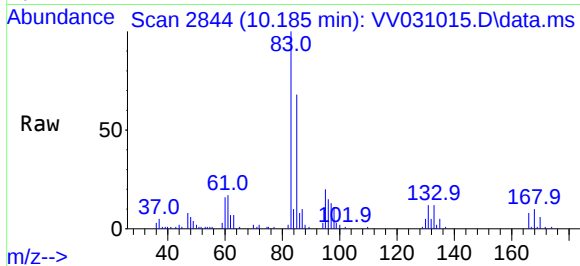




#57
1,1,2,2-Tetrachloroethane
Concen: 5.176 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

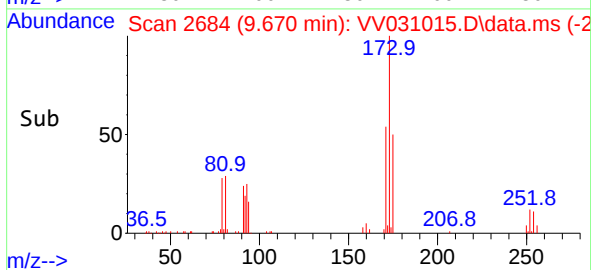
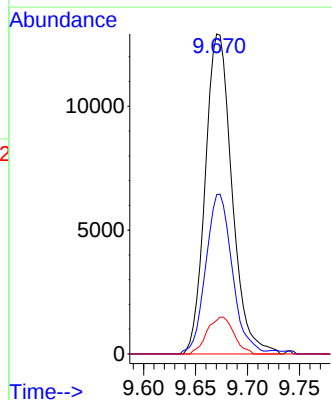
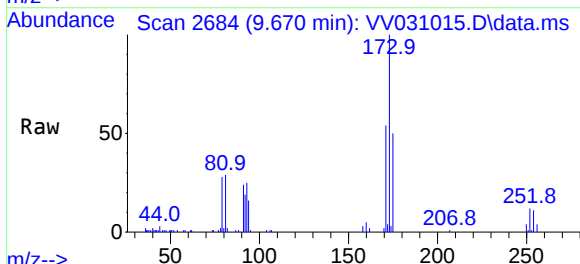
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

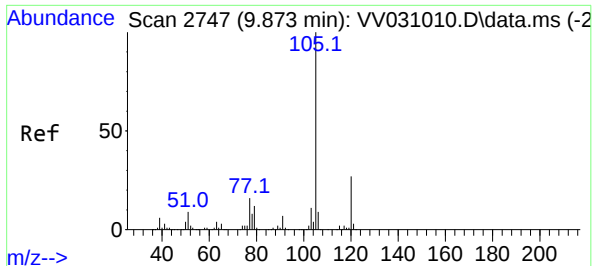
Tgt Ion:	83	Resp:	34219
Ion	Ratio	Lower	Upper
83	100		
85	67.7	45.2	84.0
131	11.7	8.3	12.5



#59
Bromoform
Concen: 5.160 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. -0.003 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion:	173	Resp:	23061
Ion	Ratio	Lower	Upper
173	100		
175	49.7	39.9	59.9
254	11.5	9.7	14.5

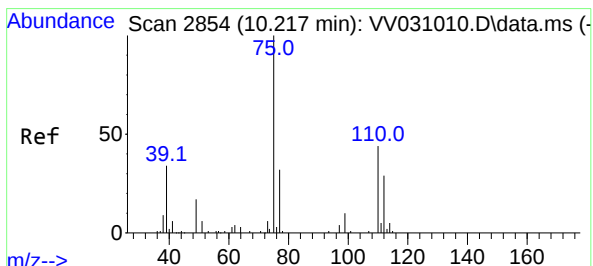
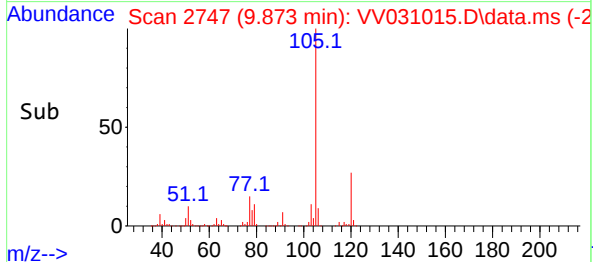
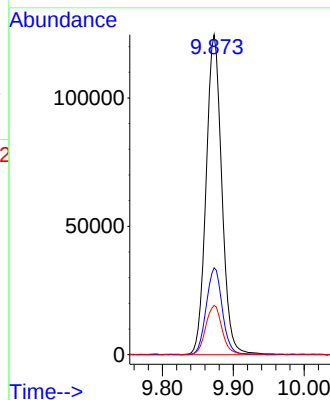
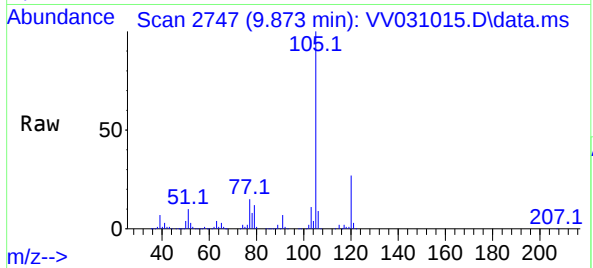




#60
Isopropylbenzene
Concen: 4.682 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

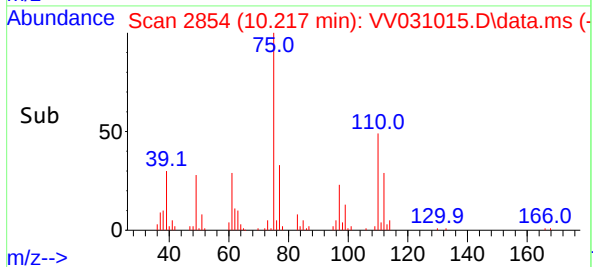
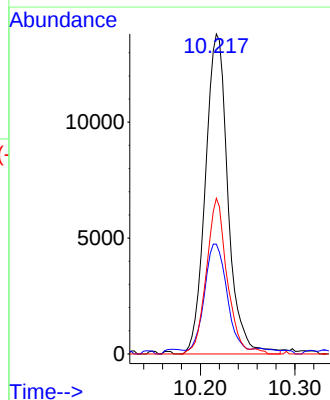
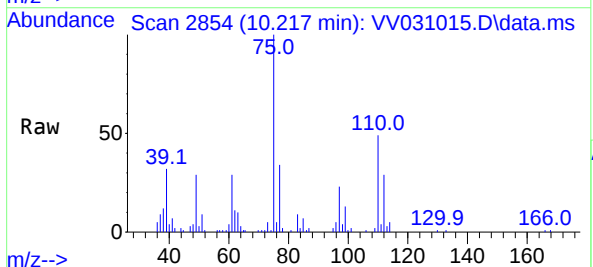
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

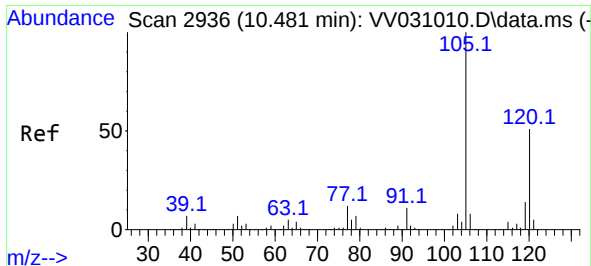
Tgt Ion:105 Resp: 191687
Ion Ratio Lower Upper
105 100
120 27.9 22.2 33.4
77 16.2 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 4.815 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion: 75 Resp: 22969
Ion Ratio Lower Upper
75 100
77 32.0 25.3 37.9
110 44.0 34.0 51.0





#62

1,3,5-Trimethylbenzene

Concen: 4.442 ug/L

RT: 10.481 min Scan# 2936

Delta R.T. -0.003 min

Lab File: VV031015.D

Acq: 11 May 2023 14:50

Instrument :

MSVOA_V

ClientSampleId :

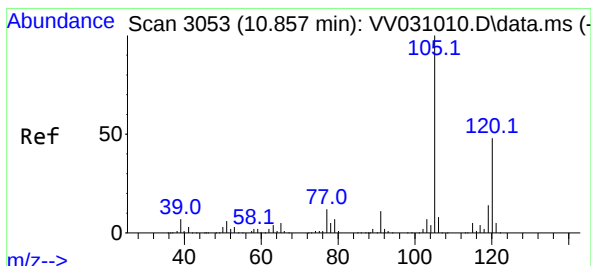
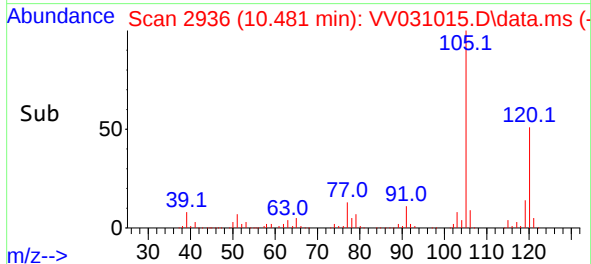
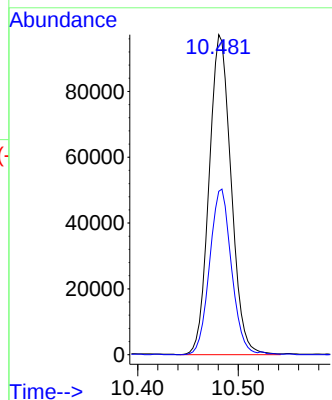
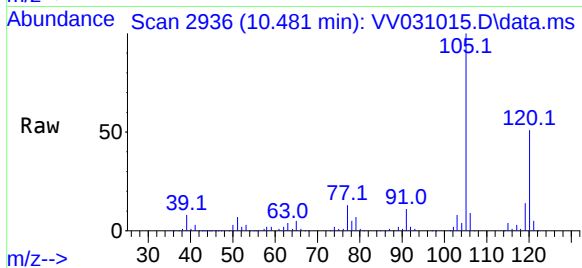
VSTD005347

Tgt Ion:105 Resp: 148050

Ion Ratio Lower Upper

105 100

120 51.6 40.2 60.4



#63

1,2,4-Trimethylbenzene

Concen: 4.399 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. -0.003 min

Lab File: VV031015.D

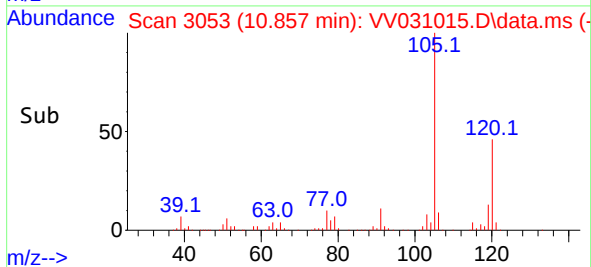
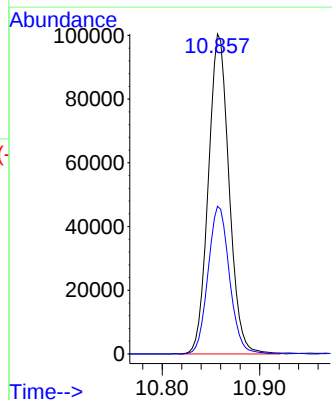
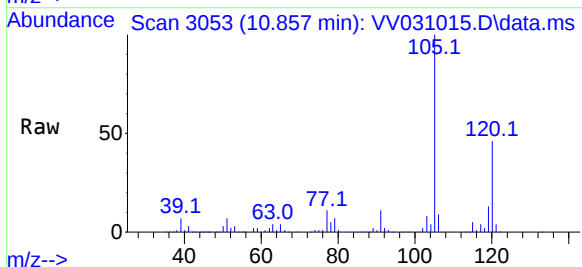
Acq: 11 May 2023 14:50

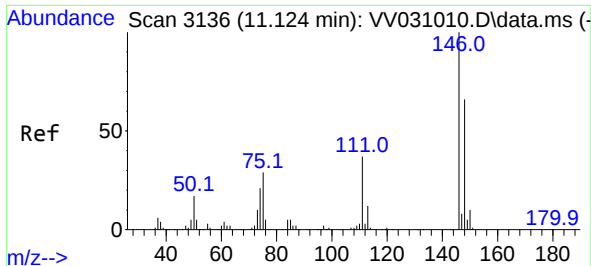
Tgt Ion:105 Resp: 148546

Ion Ratio Lower Upper

105 100

120 47.6 37.9 56.9

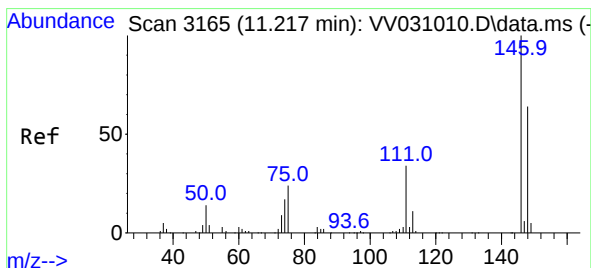
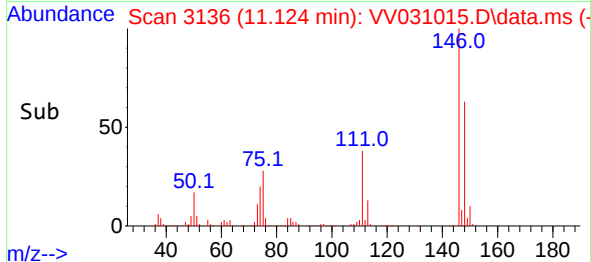
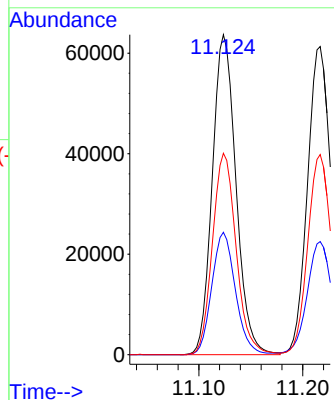
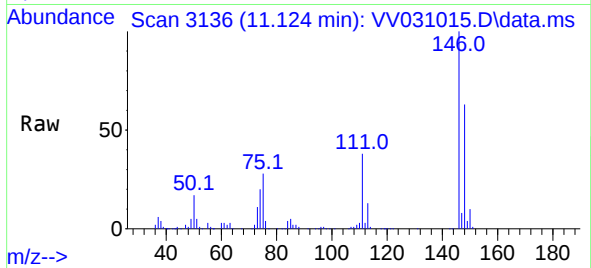




#64
1,3-Dichlorobenzene
Concen: 4.793 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

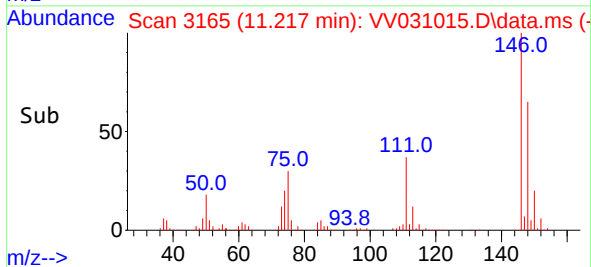
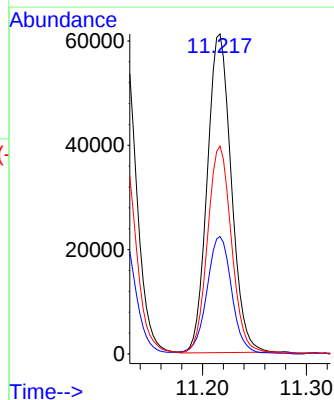
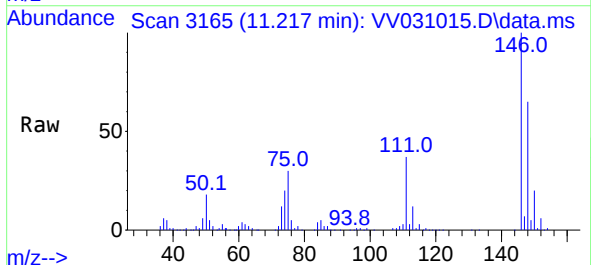
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

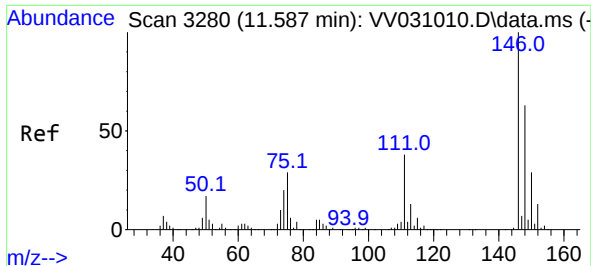
Tgt Ion:146 Resp: 100773
Ion Ratio Lower Upper
146 100
111 38.3 26.5 49.3
148 62.9 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.636 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion:146 Resp: 98343
Ion Ratio Lower Upper
146 100
111 36.7 23.9 44.5
148 65.0 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 4.781 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031015.D

Acq: 11 May 2023 14:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD005347

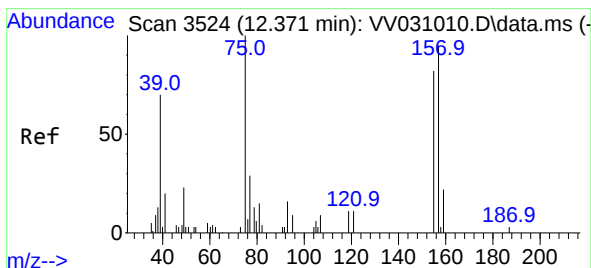
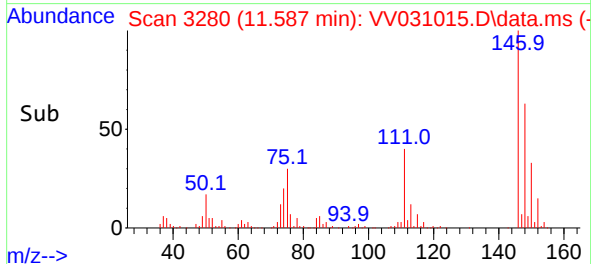
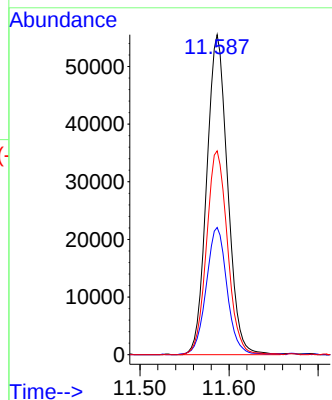
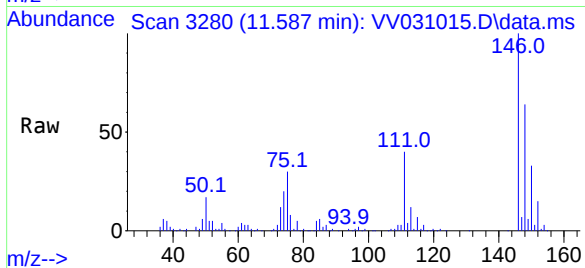
Tgt Ion:146 Resp: 90389

Ion Ratio Lower Upper

146 100

111 39.8 34.0 51.0

148 63.7 53.8 80.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.548 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.003 min

Lab File: VV031015.D

Acq: 11 May 2023 14:50

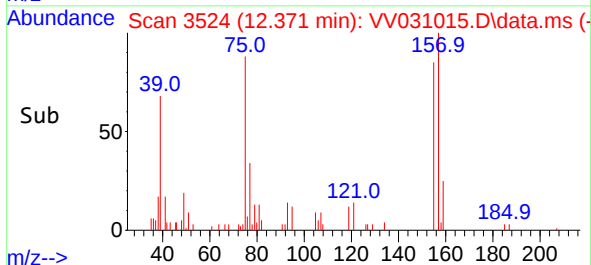
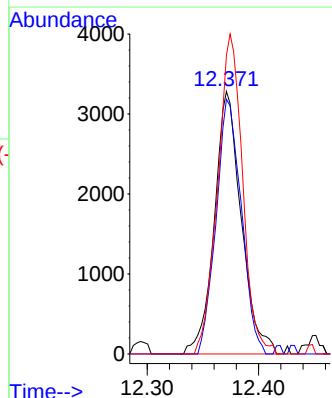
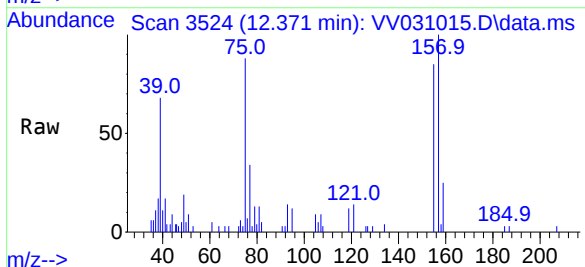
Tgt Ion: 75 Resp: 5506

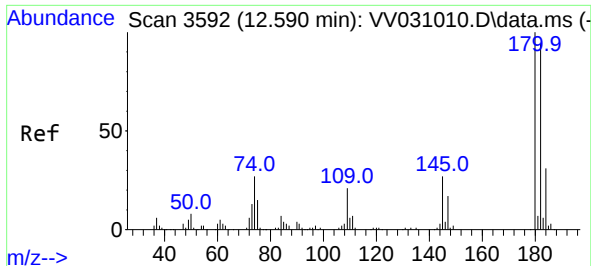
Ion Ratio Lower Upper

75 100

155 97.0 56.2 84.4#

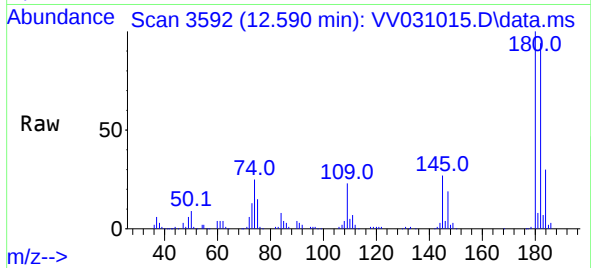
157 113.8 83.1 124.7





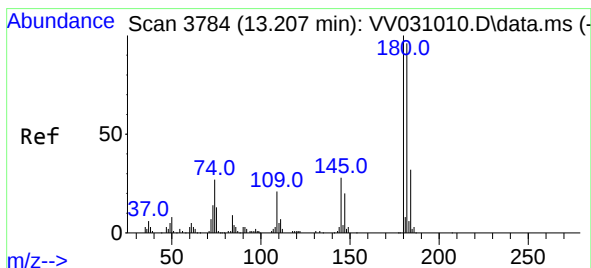
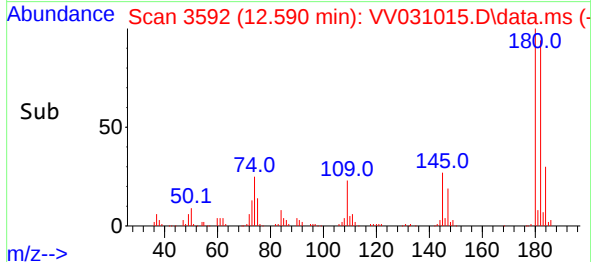
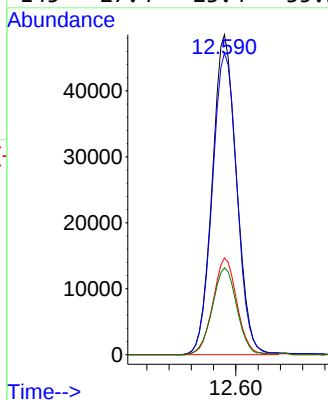
#69
1,3,5-Trichlorobenzene
Concen: 4.405 ug/L
RT: 12.590 min Scan# 3592
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD005347



Tgt Ion:180 Resp: 73326

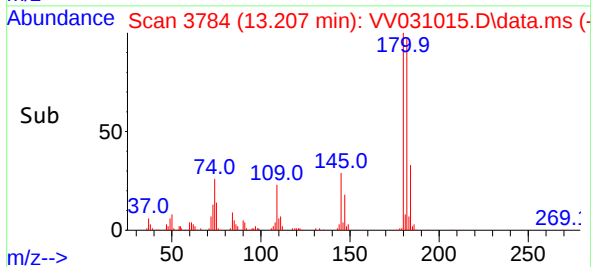
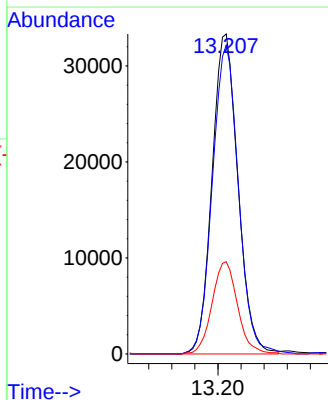
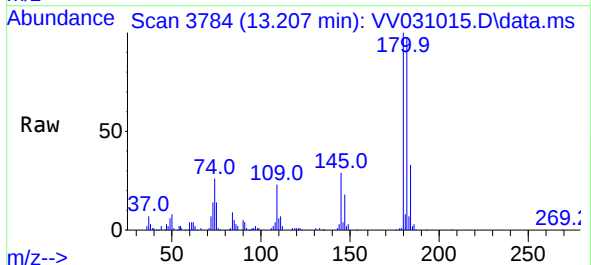
Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.1	112.7
184	29.9	24.1	36.1
145	27.4	23.4	35.2

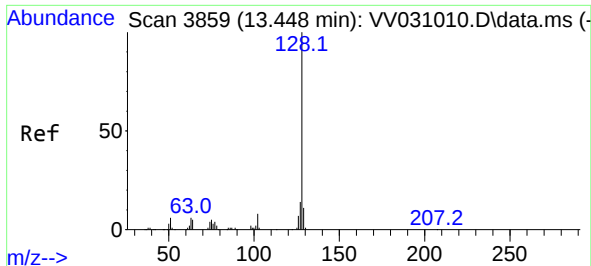


#70
1,2,4-trichlorobenzene
Concen: 4.049 ug/L
RT: 13.207 min Scan# 3784
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion:180 Resp: 51800

Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.0	114.0
145	28.4	22.9	34.3

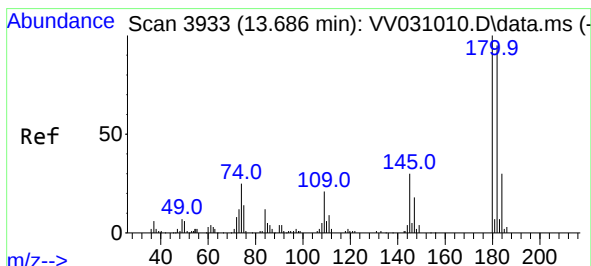
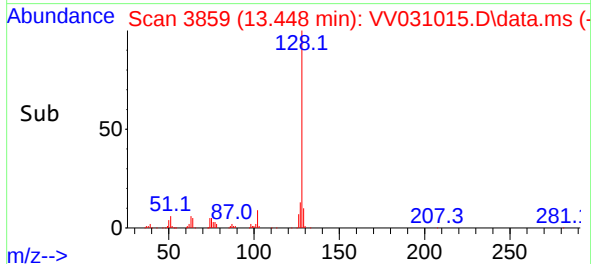
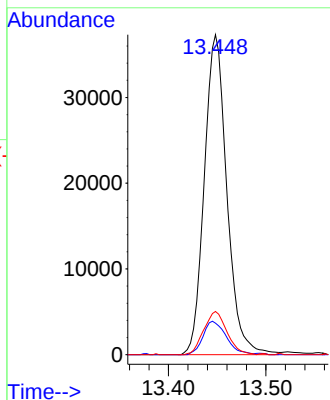
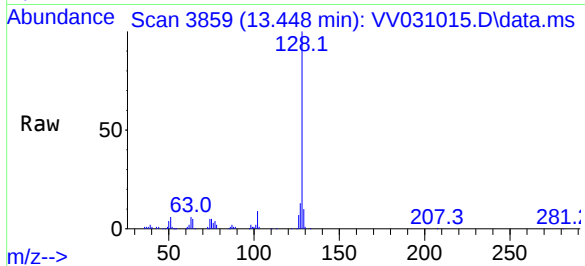




#71
Naphthalene
Concen: 3.278 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

Tgt Ion:	128	Resp:	60133
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.6	13.0
127	13.9	10.6	16.0



#72
1,2,3-Trichlorobenzene
Concen: 3.954 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. -0.003 min
Lab File: VV031015.D
Acq: 11 May 2023 14:50

Tgt Ion:	180	Resp:	42815
Ion Ratio	Lower	Upper	
180	100		
182	98.0	77.3	115.9
145	31.5	24.7	37.1

