

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032223\
 Data File : VW030297.D
 Acq On : 22 Mar 2023 17:07
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005313

Quant Time: Mar 23 01:50:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 23 01:48:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	120313	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	116539	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	67981	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	35254	4.528	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.600%
7) Chloroethane-d5	1.536	69	33589	4.596	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.063	63	79381	4.960	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.200%
20) 2-Butanone-d5	3.835	46	24853	17.316	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	34.640%#
24) Chloroform-d	4.259	84	75070	4.721	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	4.957	65	37405	5.762	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.200%
32) Benzene-d6	4.970	84	131213	4.184	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
36) 1,2-Dichloropropane-d6	5.998	67	34710	3.679	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	73.600%
41) Toluene-d8	7.249	98	131107	4.411	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	7.561	79	14836	4.597	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.000%
46) 2-Hexanone-d5	8.037	63	58380	43.721	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.440%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	27743	4.134	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.600%
66) 1,2-Dichlorobenzene-d4	11.571	152	51616	4.488	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	38858	3.970	ug/L	97
3) Chloromethane	1.214	50	49902	3.235	ug/L	98
5) Vinyl chloride	1.285	62	39645	3.867	ug/L	99
6) Bromomethane	1.491	94	11502	6.251	ug/L	93
8) Chloroethane	1.552	64	24836	3.976	ug/L	97
9) Trichlorofluoromethane	1.716	101	77974	5.301	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	40011	4.386	ug/L	93
12) 1,1-Dichloroethene	2.073	96	34940	4.327	ug/L	82
13) Acetone	2.163	43	16895	15.926	ug/L	71
14) Carbon disulfide	2.243	76	65212	3.019	ug/L	98
15) Methyl Acetate	2.397	43	8511	3.435	ug/L #	86
16) Methylene chloride	2.452	84	39772	4.032	ug/L	91
17) Methyl tert-butyl Ether	2.712	73	74079	4.692	ug/L #	93
18) trans-1,2-Dichloroethene	2.700	96	30371	3.954	ug/L	99
19) 1,1-Dichloroethane	3.118	63	61045	4.266	ug/L	98
21) 2-Butanone	3.925	43	59682	41.832	ug/L	94
22) cis-1,2-Dichloroethene	3.825	96	35719	4.207	ug/L	99
23) Bromochloromethane	4.159	128	16358	4.509	ug/L	93
25) Chloroform	4.288	83	71132	4.779	ug/L	99

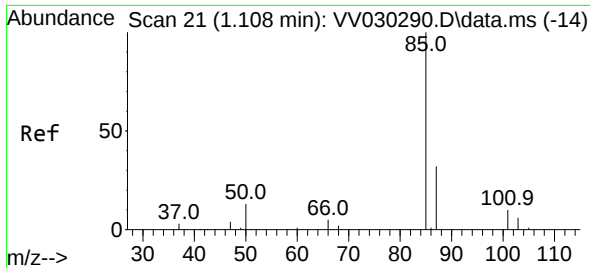
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032223\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 23 01:48:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	44564	5.724	ug/L #	93
29) 1,1,1-Trichloroethane	4.523	97	68701	5.018	ug/L	97
30) Cyclohexane	4.590	56	41086	3.473	ug/L	96
31) Carbon tetrachloride	4.744	117	61503	4.998	ug/L	99
33) Benzene	5.021	78	130835	4.111	ug/L	100
34) Trichloroethene	5.844	95	34032	3.816	ug/L	96
35) Methylcyclohexane	6.060	83	49365	3.657	ug/L	98
37) 1,2-Dichloropropane	6.105	63	31157	3.848	ug/L #	96
38) Bromodichloromethane	6.442	83	49434	4.782	ug/L	97
39) cis-1,3-Dichloropropene	6.963	75	46932	3.959	ug/L	95
40) 4-Methyl-2-pentanone	7.172	43	172654	51.673	ug/L	93
42) Toluene	7.323	91	150499	4.366	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	42741	4.619	ug/L	96
45) 1,1,2-Trichloroethane	7.780	97	25186	4.347	ug/L	95
47) Tetrachloroethene	7.912	164	33952	4.435	ug/L	92
48) 2-Hexanone	8.088	43	125385	52.419	ug/L	92
49) Dibromochloromethane	8.185	129	31704	4.676	ug/L	99
50) 1,2-Dibromoethane	8.294	107	21971	4.064	ug/L #	97
51) Chlorobenzene	8.821	112	102909	4.427	ug/L	99
52) Ethylbenzene	8.953	91	165687	4.416	ug/L	99
53) m,p-Xylene	9.082	106	65951	4.574	ug/L	98
54) o-Xylene	9.487	106	64095	4.654	ug/L	98
55) Styrene	9.503	104	113811	4.969	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.188	83	28540	4.404	ug/L	98
59) Bromoform	9.674	173	20700	5.080	ug/L	99
60) Isopropylbenzene	9.876	105	180568	4.616	ug/L	99
61) 1,2,3-Trichloropropane	10.220	75	19484	4.282	ug/L	94
62) 1,3,5-Trimethylbenzene	10.484	105	148419	4.619	ug/L	97
63) 1,2,4-Trimethylbenzene	10.860	105	155283	4.724	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	95222	4.675	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	95291	4.637	ug/L	99
67) 1,2-Dichlorobenzene	11.590	146	86588	4.815	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.374	75	5247	5.163	ug/L	91
69) 1,3,5-Trichlorobenzene	12.593	180	77645	4.637	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	62882	4.636	ug/L	97
71) Naphthalene	13.448	128	84258	4.754	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	51601	4.621	ug/L	100

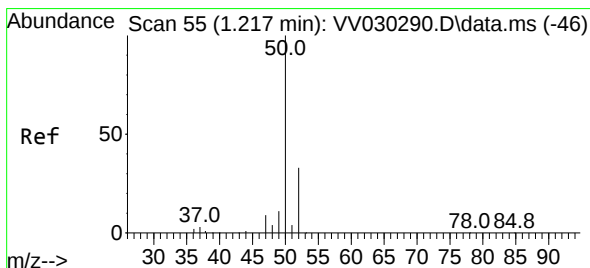
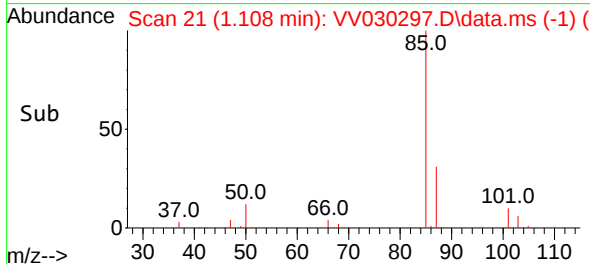
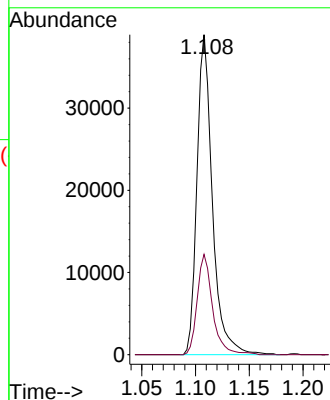
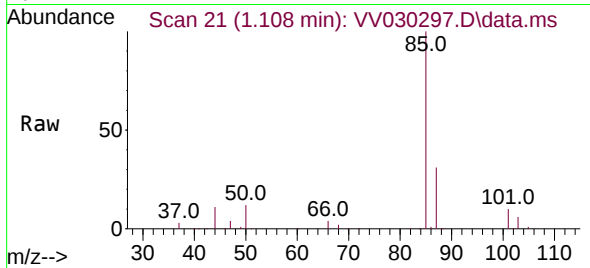
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 3.970 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030297.D
 Acq: 22 Mar 2023 17:07

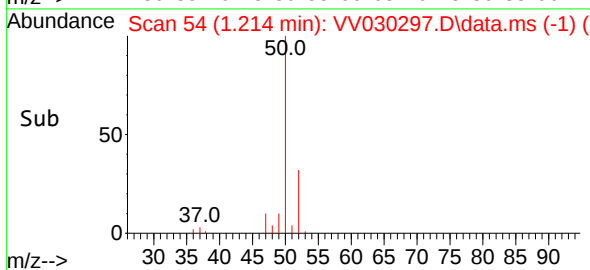
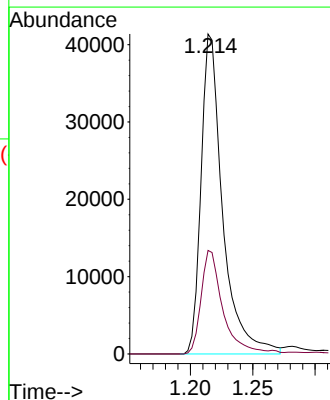
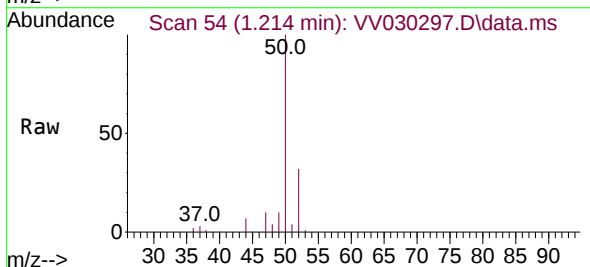
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005313

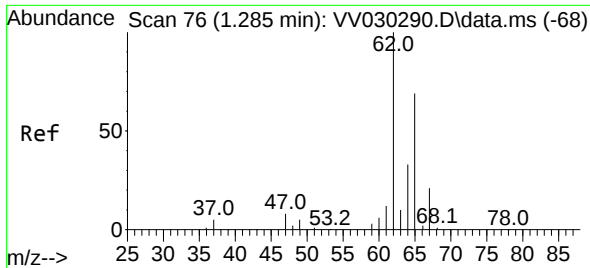
Tgt Ion: 85 Resp: 38858
 Ion Ratio Lower Upper
 85 100
 87 31.3 26.6 39.8



#3
 Chloromethane
 Concen: 3.235 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV030297.D
 Acq: 22 Mar 2023 17:07

Tgt Ion: 50 Resp: 49902
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.6 43.8

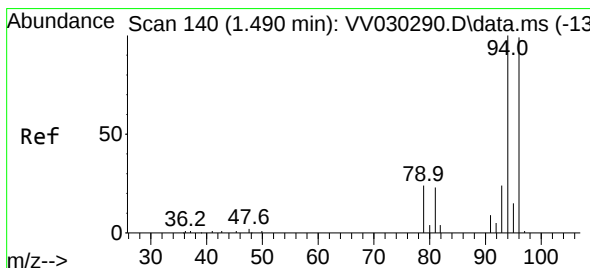
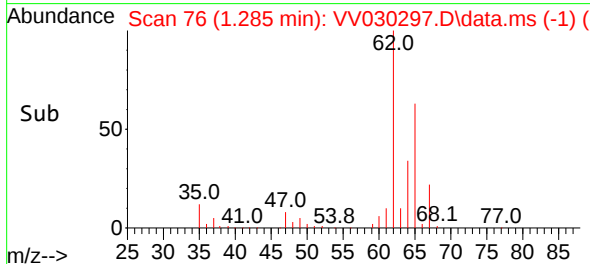
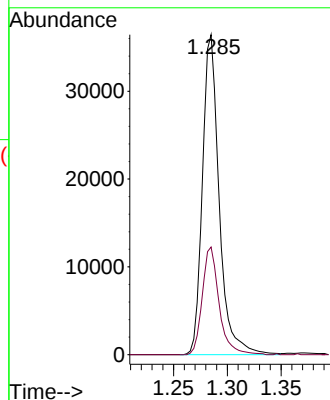
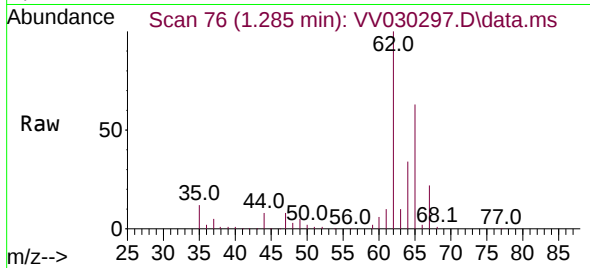




#5
 Vinyl chloride
 Concen: 3.867 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VV030297.D
 Acq: 22 Mar 2023 17:07

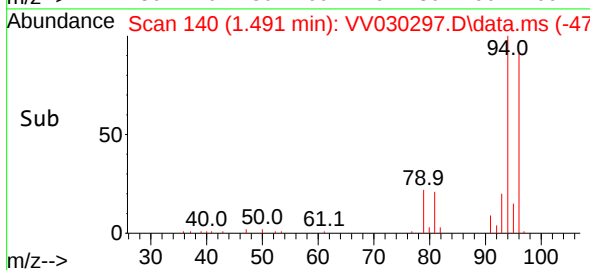
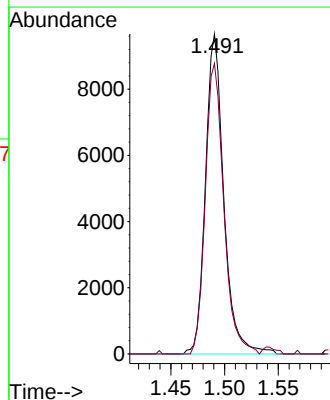
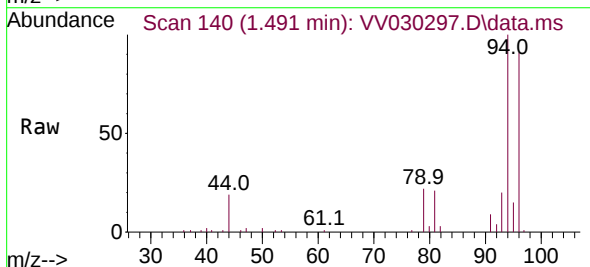
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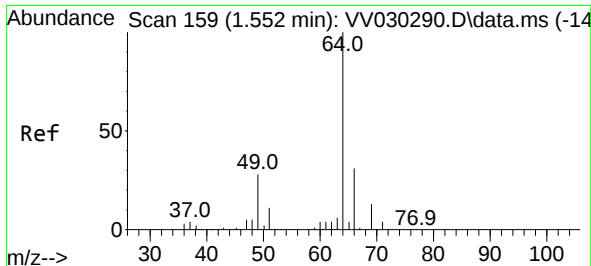
Tgt Ion: 62 Resp: 39645
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.1 42.9



#6
 Bromomethane
 Concen: 6.251 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV030297.D
 Acq: 22 Mar 2023 17:07

Tgt Ion: 94 Resp: 11502
 Ion Ratio Lower Upper
 94 100
 96 90.8 68.4 127.0

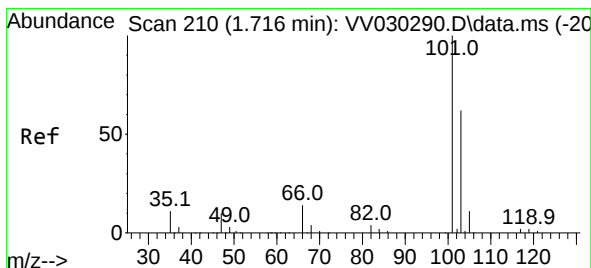
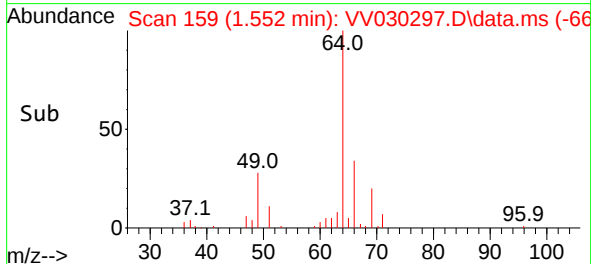
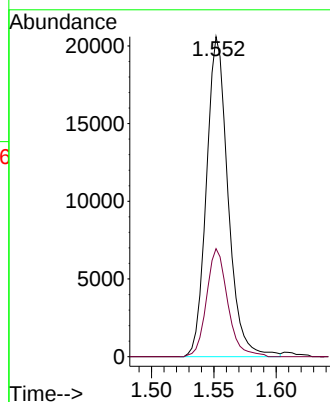
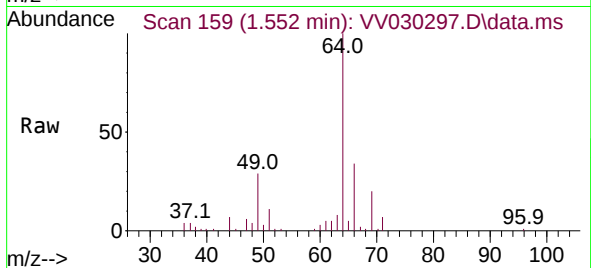




#8
Chloroethane
Concen: 3.976 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

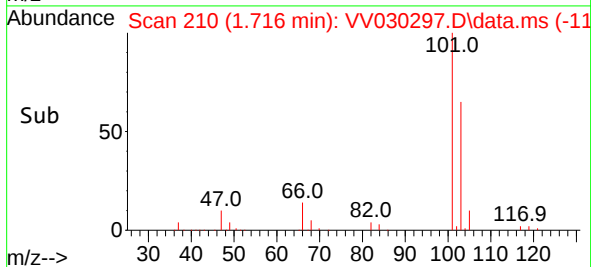
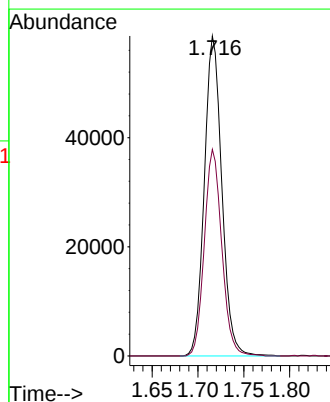
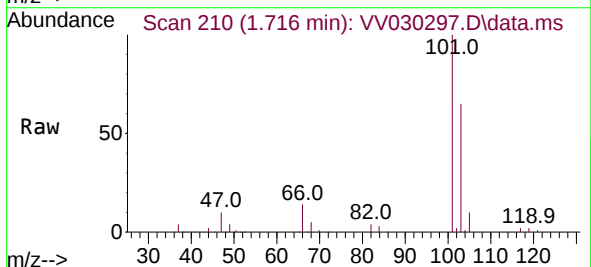
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ClientSampleId :
VSTD005313

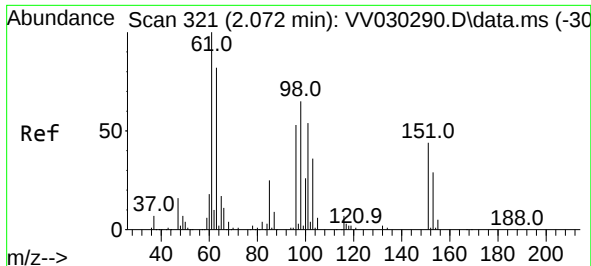
Tgt Ion: 64 Resp: 24836
Ion Ratio Lower Upper
64 100
66 33.8 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.301 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

Tgt Ion:101 Resp: 77974
Ion Ratio Lower Upper
101 100
103 64.2 52.7 79.1

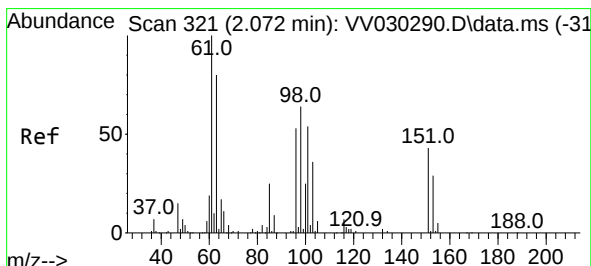
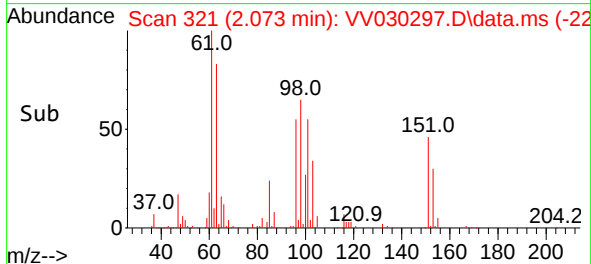
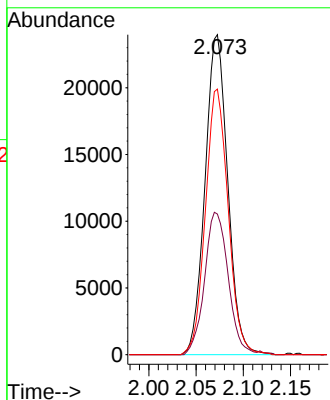
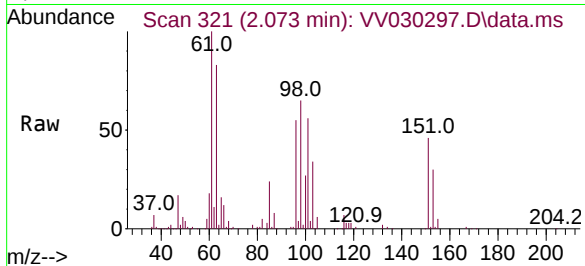




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.386 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV030297.D
 Acq: 22 Mar 2023 17:07

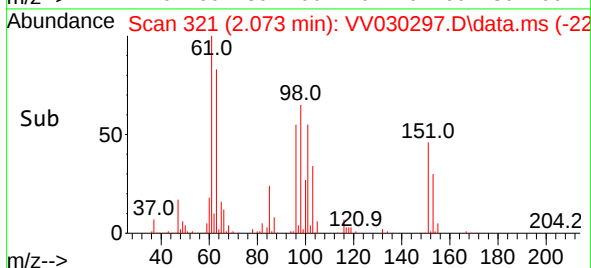
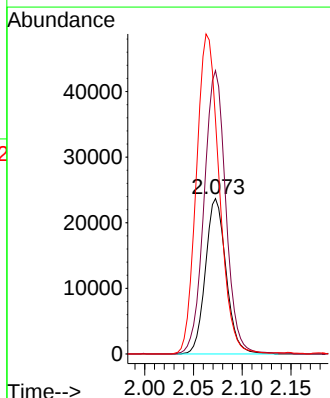
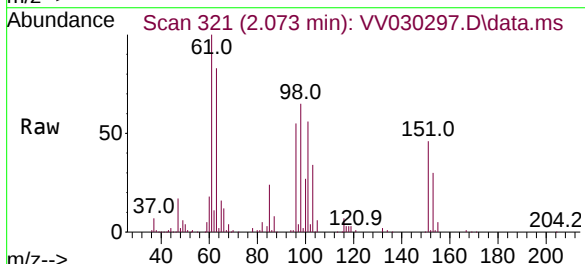
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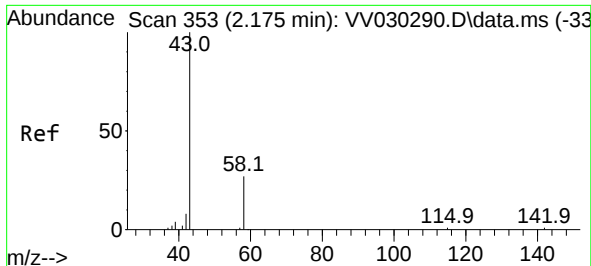
Tgt Ion:	101	Resp:	40011
Ion	Ratio	Lower	Upper
101	100		
85	46.3	33.5	50.3
151	83.5	61.6	92.4



#12
 1,1-Dichloroethene
 Concen: 4.327 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV030297.D
 Acq: 22 Mar 2023 17:07

Tgt Ion:	96	Resp:	34940
Ion	Ratio	Lower	Upper
96	100		
61	182.3	115.6	214.6
63	150.7	85.6	159.0





#13

Acetone

Concen: 15.926 ug/L

RT: 2.163 min Scan# 34

Delta R.T. -0.013 min

Lab File: VV030297.D

Acq: 22 Mar 2023 17:07

Instrument :

MSVOA_V

ClientSampleId :

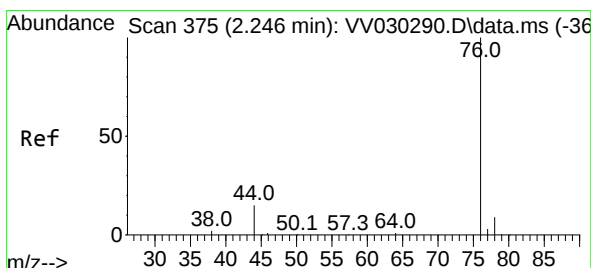
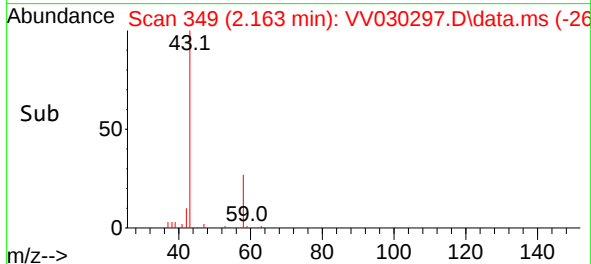
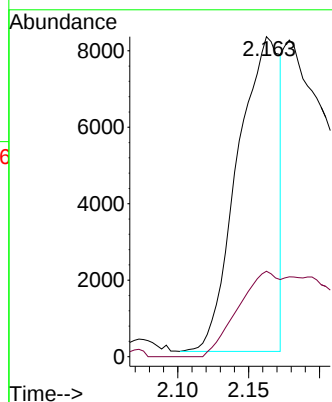
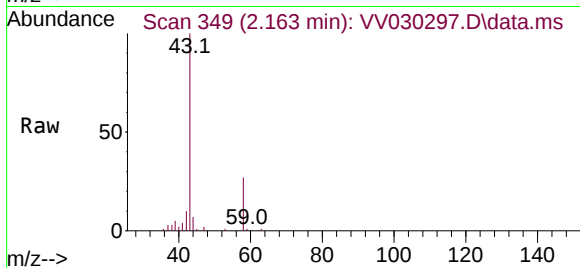
VSTD005313

Tgt Ion: 43 Resp: 16895

Ion Ratio Lower Upper

43 100

58 26.5 0.0 29.4



#14

Carbon disulfide

Concen: 3.019 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV030297.D

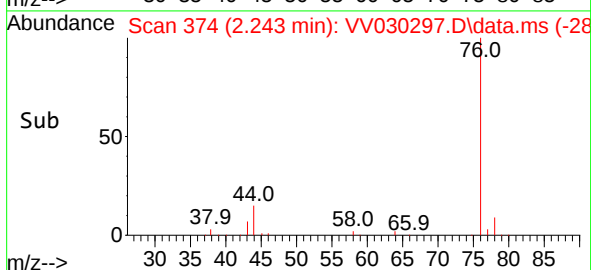
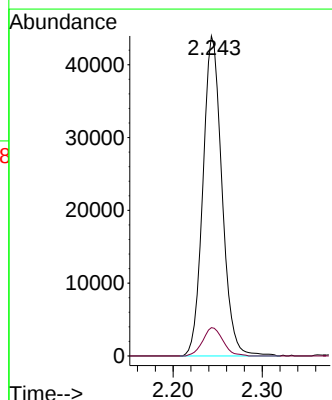
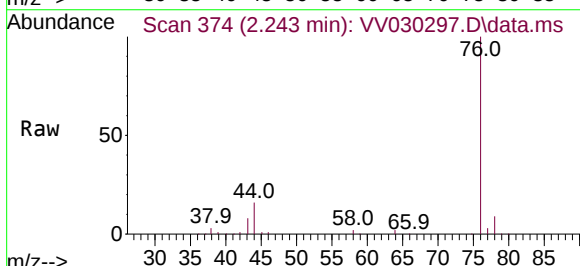
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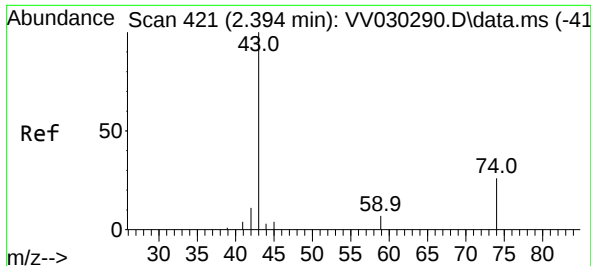
Tgt Ion: 76 Resp: 65212

Ion Ratio Lower Upper

76 100

78 8.9 7.7 11.5

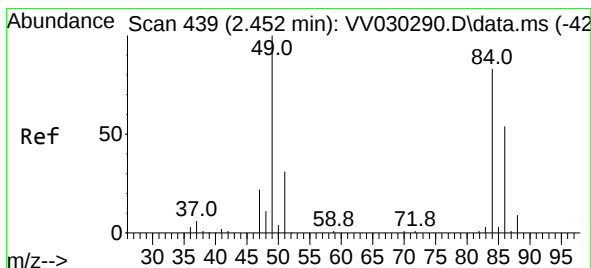
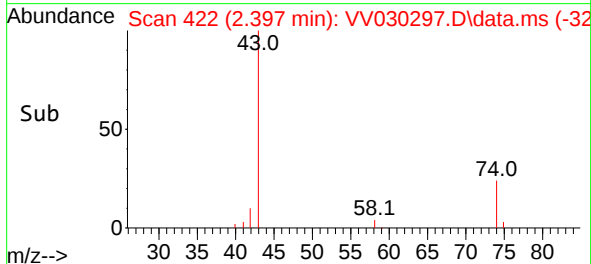
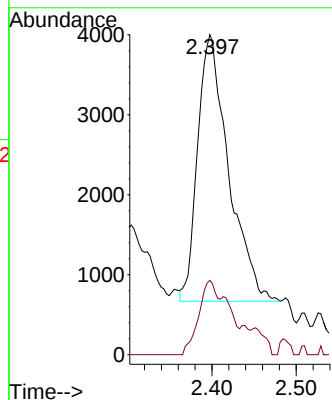
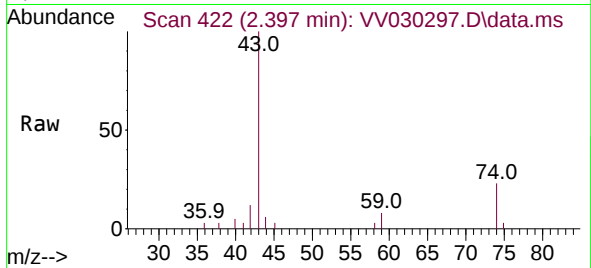




#15
Methyl Acetate
Concen: 3.435 ug/L
RT: 2.397 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

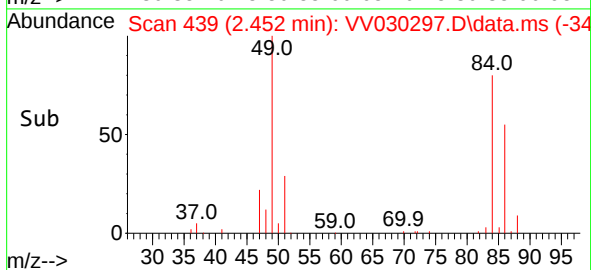
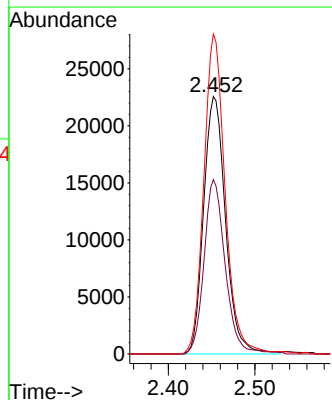
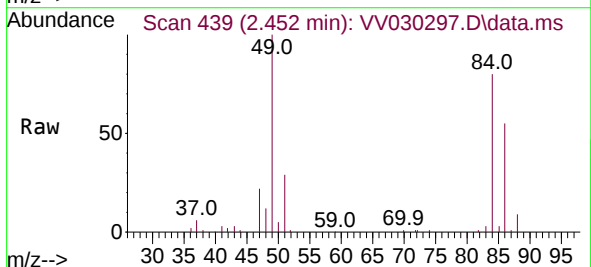
Instrument :
MSVOA_V
ClientSampleId :
VSTD005313

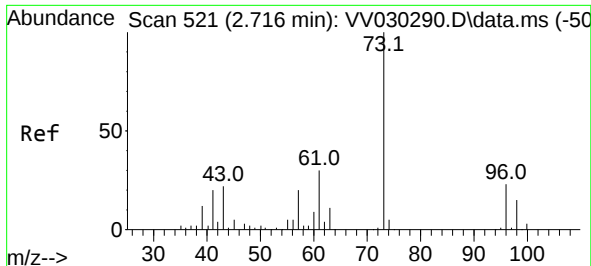
Tgt Ion: 43 Resp: 8511
Ion Ratio Lower Upper
43 100
74 17.9 20.1 30.1#



#16
Methylene chloride
Concen: 4.032 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

Tgt Ion: 84 Resp: 39772
Ion Ratio Lower Upper
84 100
86 67.8 44.7 83.1
49 124.3 78.8 146.3

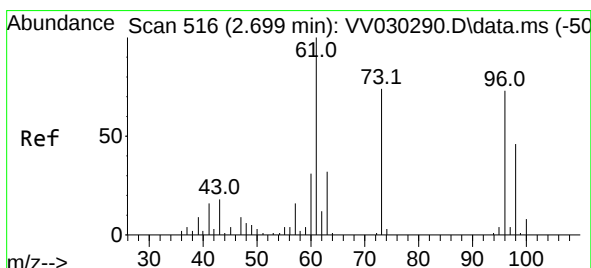
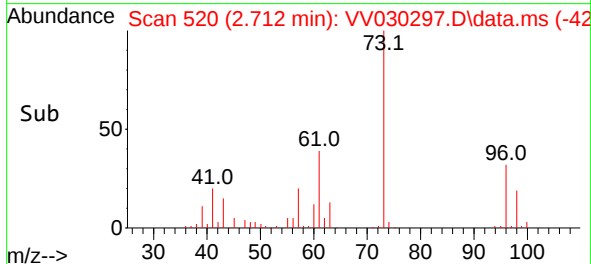
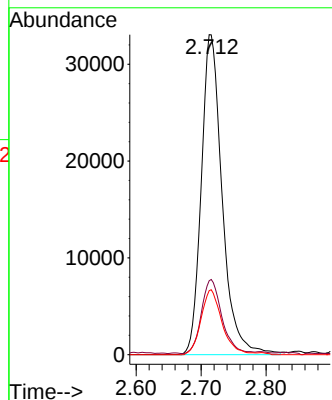
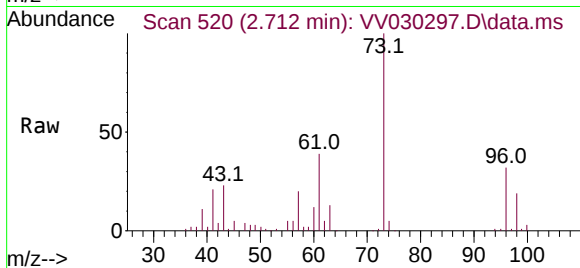




#17
Methyl tert-butyl Ether
Concen: 4.692 ug/L
RT: 2.712 min Scan# 516
Delta R.T. -0.003 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

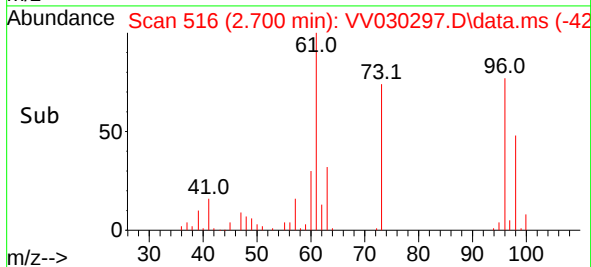
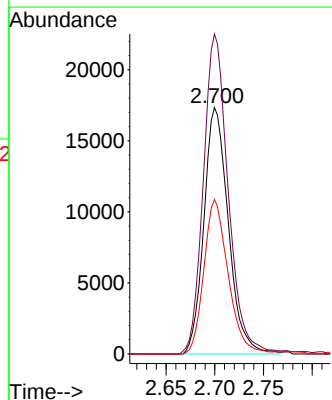
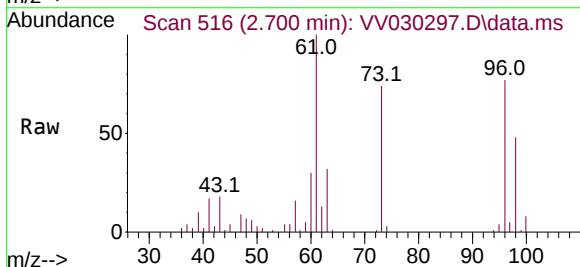
Instrument :
MSVOA_V
ClientSampleId :
VSTD005313

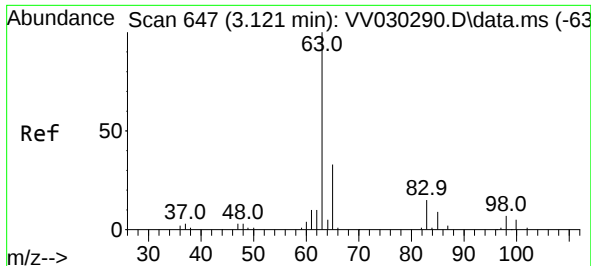
Tgt Ion: 73 Resp: 74079
Ion Ratio Lower Upper
73 100
43 22.6 13.4 20.2#
57 20.5 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 3.954 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

Tgt Ion: 96 Resp: 30371
Ion Ratio Lower Upper
96 100
61 129.8 91.0 169.0
98 62.7 45.2 84.0

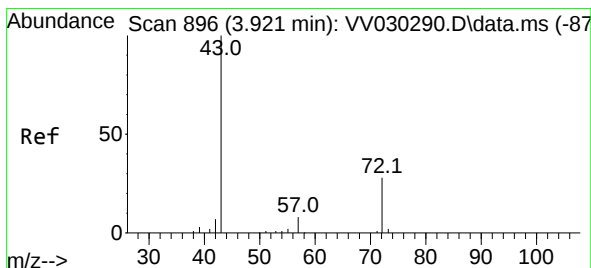
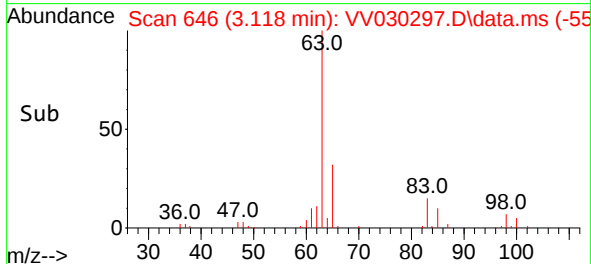
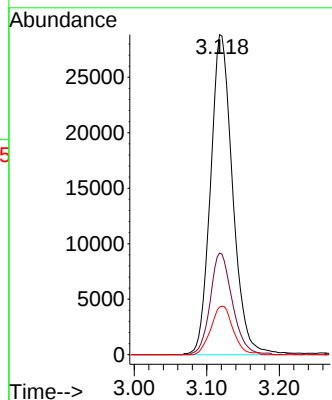
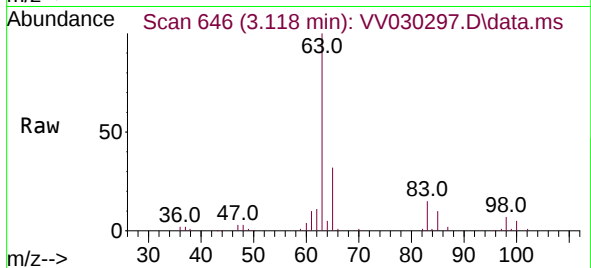




#19
1,1-Dichloroethane
Concen: 4.266 ug/L
RT: 3.118 min Scan# 64
Delta R.T. -0.003 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

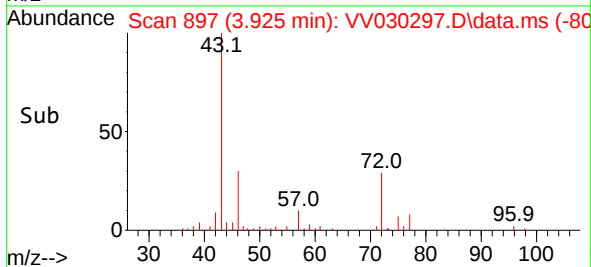
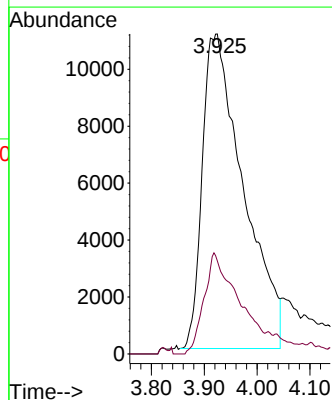
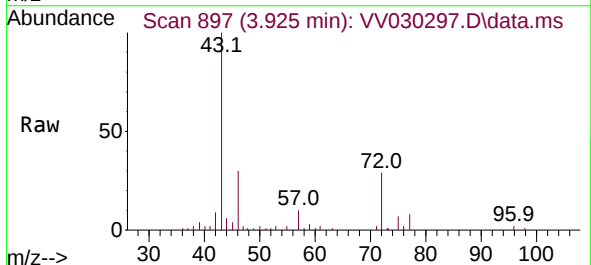
Instrument :
MSVOA_V
ClientSampleId :
VSTD005313

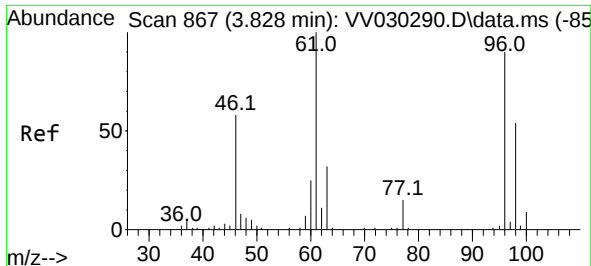
Tgt Ion: 63 Resp: 61045
Ion Ratio Lower Upper
63 100
65 31.8 23.0 42.8
83 14.9 9.6 17.8



#21
2-Butanone
Concen: 41.832 ug/L
RT: 3.925 min Scan# 897
Delta R.T. 0.003 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

Tgt Ion: 43 Resp: 59682
Ion Ratio Lower Upper
43 100
72 26.9 15.1 45.3

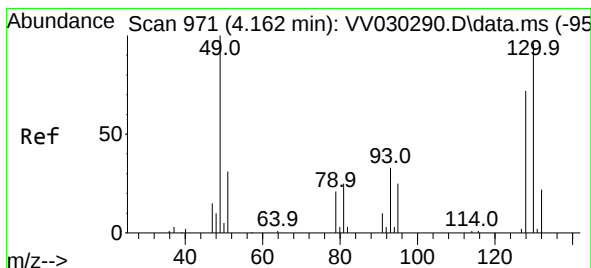
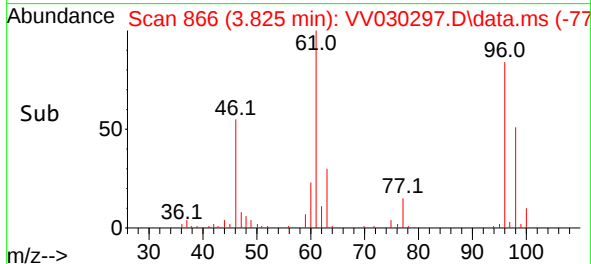
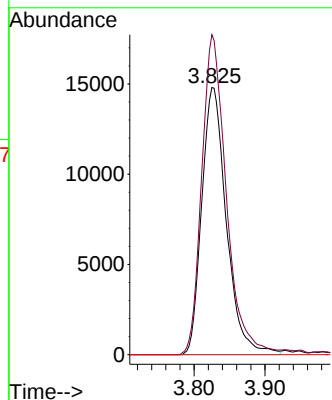
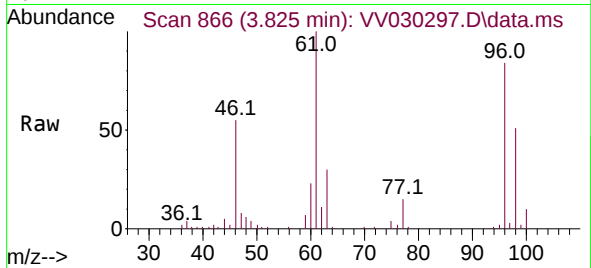




#22
cis-1,2-Dichloroethene
Concen: 4.207 ug/L
RT: 3.825 min Scan# 867
Delta R.T. -0.003 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

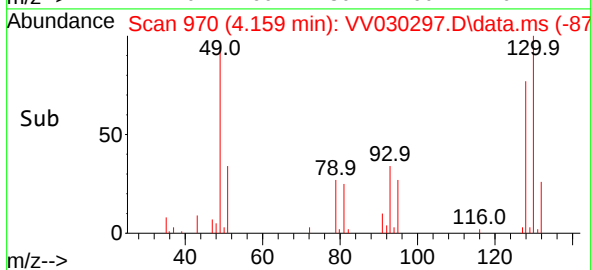
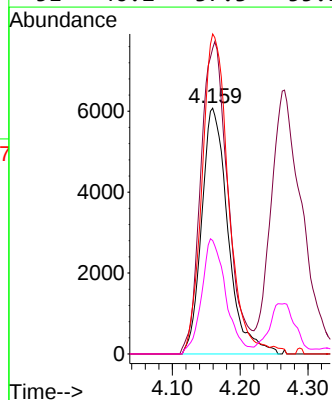
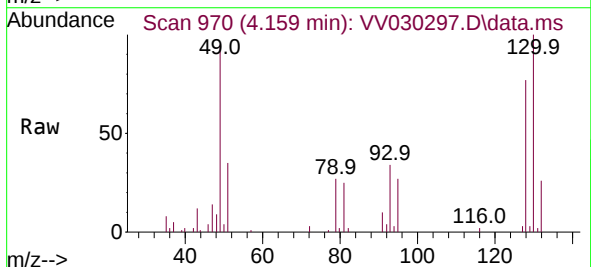
Instrument :
MSVOA_V
ClientSampleId :
VSTD005313

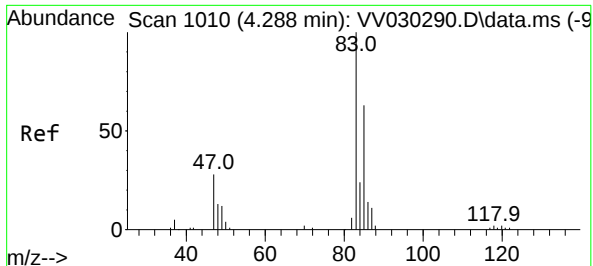
Tgt Ion: 96 Resp: 35719
Ion Ratio Lower Upper
96 100
61 119.7 83.4 154.8
68 0.0 0.0 0.0



#23
Bromochloromethane
Concen: 4.509 ug/L
RT: 4.159 min Scan# 970
Delta R.T. -0.003 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

Tgt Ion: 128 Resp: 16358
Ion Ratio Lower Upper
128 100
49 124.4 99.5 184.9
130 130.2 90.5 168.1
51 46.2 37.3 55.9





#25

Chloroform

Concen: 4.779 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. 0.000 min

Lab File: VV030297.D

Acq: 22 Mar 2023 17:07

Instrument :

MSVOA_V

ClientSampleId :

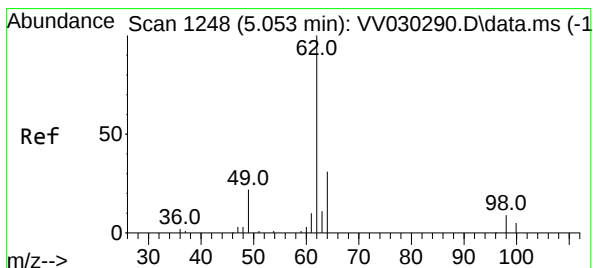
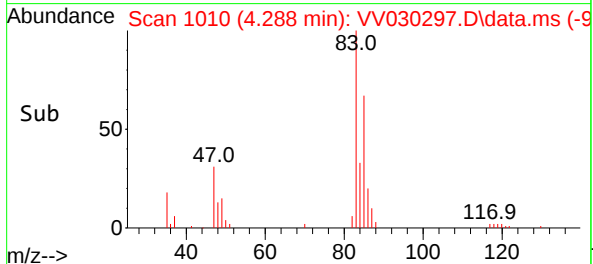
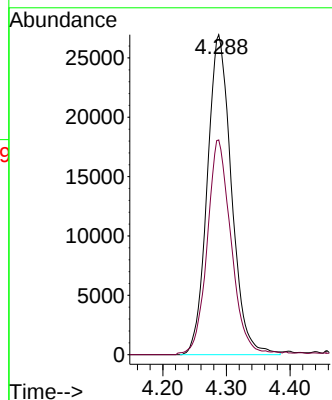
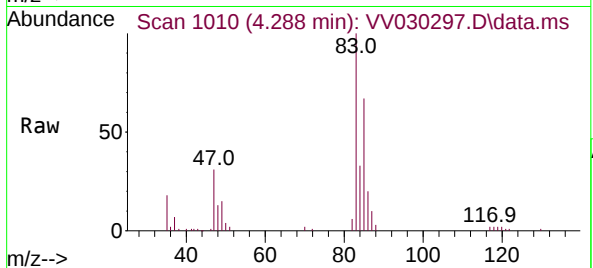
VSTD005313

Tgt Ion: 83 Resp: 71132

Ion Ratio Lower Upper

83 100

85 67.1 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.724 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. 0.003 min

Lab File: VV030297.D

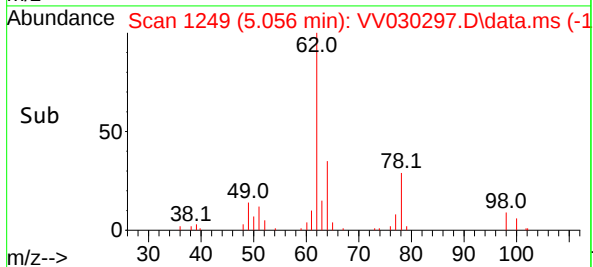
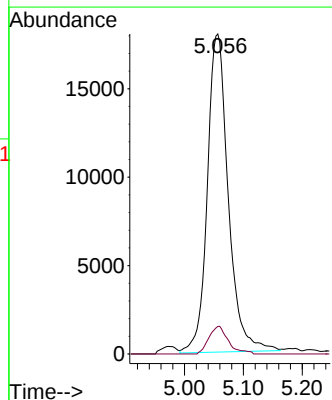
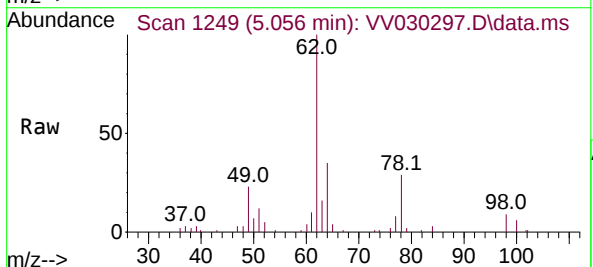
Acq: 22 Mar 2023 17:07

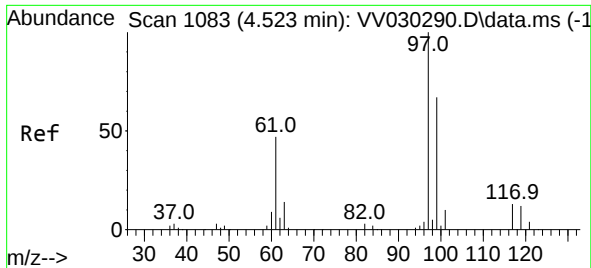
Tgt Ion: 62 Resp: 44564

Ion Ratio Lower Upper

62 100

98 8.6 9.0 13.4#

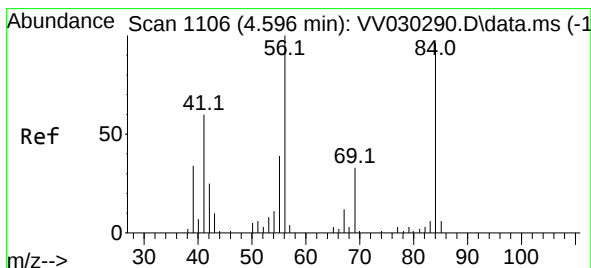
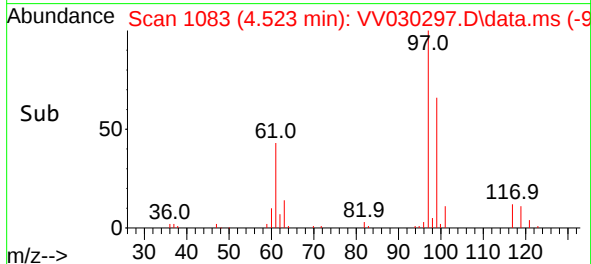
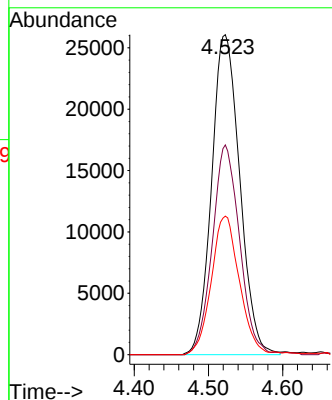
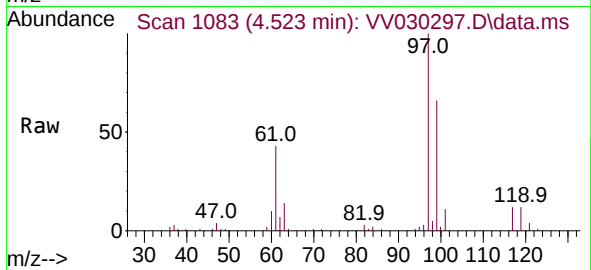




#29
1,1,1-Trichloroethane
Concen: 5.018 ug/L
RT: 4.523 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

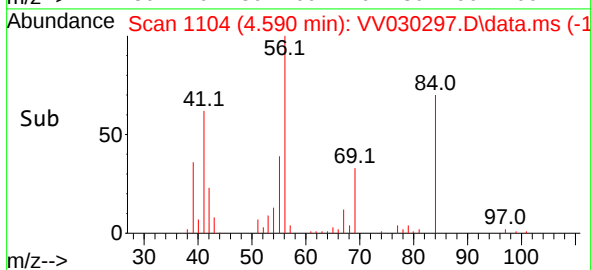
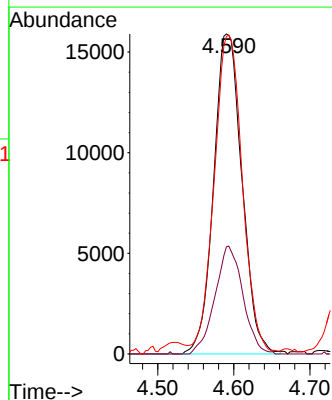
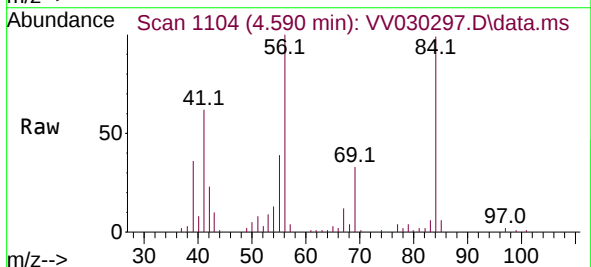
Instrument :
MSVOA_V
ClientSampleId :
VSTD005313

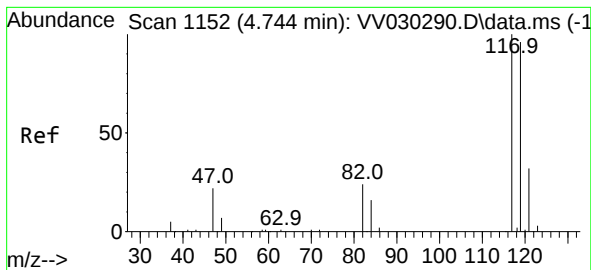
Tgt Ion: 97 Resp: 68701
Ion Ratio Lower Upper
97 100
99 63.4 51.3 76.9
61 43.1 31.5 47.3



#30
Cyclohexane
Concen: 3.473 ug/L
RT: 4.590 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

Tgt Ion: 56 Resp: 41086
Ion Ratio Lower Upper
56 100
69 33.3 25.1 37.7
84 97.6 74.6 111.8





#31

Carbon tetrachloride

Concen: 4.998 ug/L

RT: 4.744 min Scan# 1152

Delta R.T. 0.000 min

Lab File: VV030297.D

Acq: 22 Mar 2023 17:07

Instrument :

MSVOA_V

ClientSampleId :

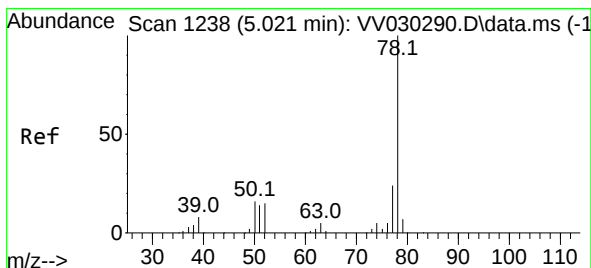
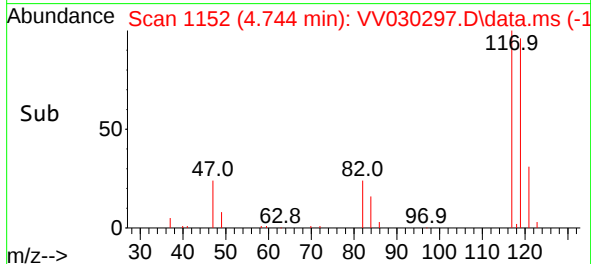
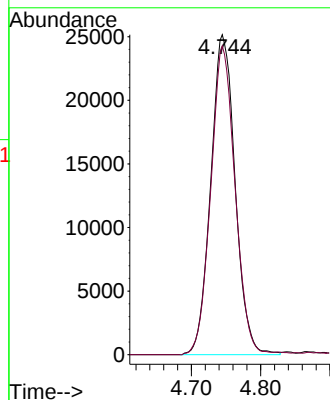
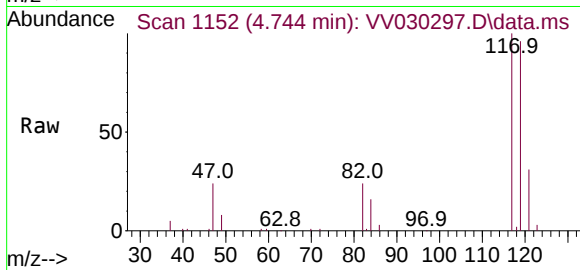
VSTD005313

Tgt Ion:117 Resp: 61503

Ion Ratio Lower Upper

117 100

119 96.0 76.1 114.1



#33

Benzene

Concen: 4.111 ug/L

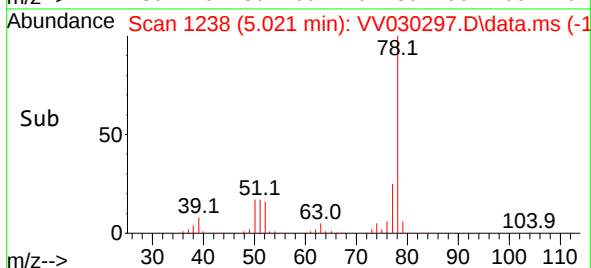
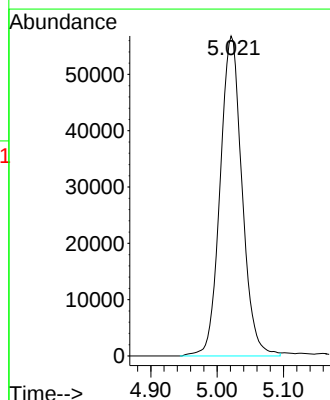
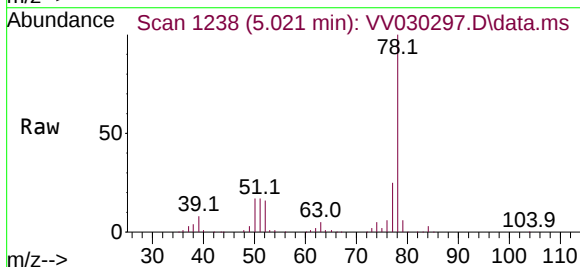
RT: 5.021 min Scan# 1238

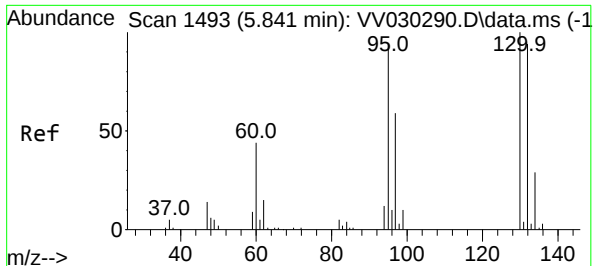
Delta R.T. 0.000 min

Lab File: VV030297.D

Acq: 22 Mar 2023 17:07

Tgt Ion: 78 Resp: 130835





#34

Trichloroethene

Concen: 3.816 ug/L

RT: 5.844 min Scan# 1493

Delta R.T. 0.003 min

Lab File: VV030297.D

Acq: 22 Mar 2023 17:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD005313

Tgt Ion: 95 Resp: 34032

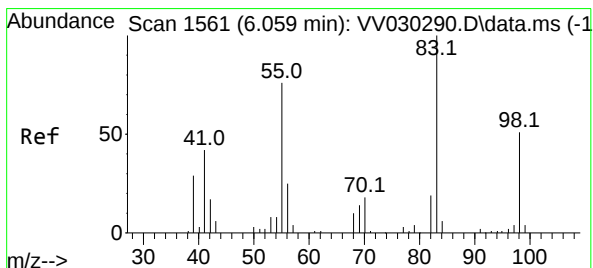
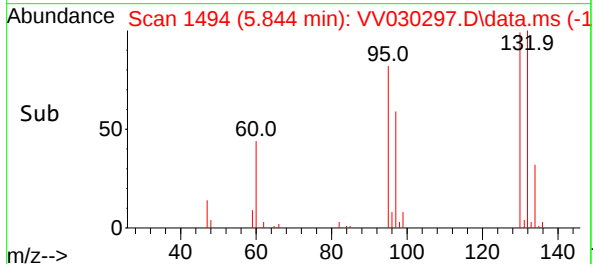
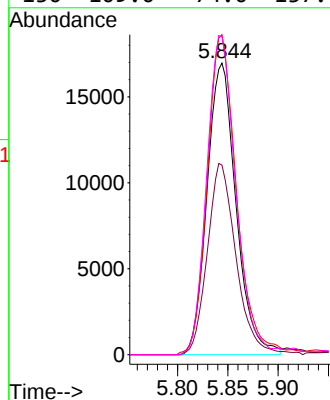
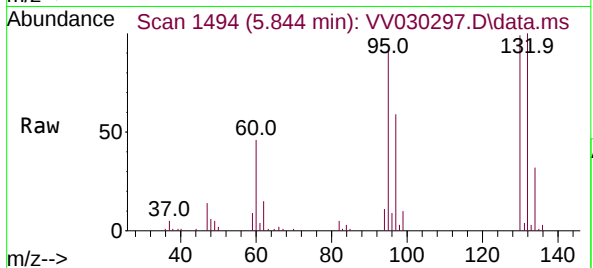
Ion Ratio Lower Upper

95 100

97 65.0 46.5 86.5

132 109.7 71.7 133.3

130 109.0 74.0 137.4



#35

Methylcyclohexane

Concen: 3.657 ug/L

RT: 6.060 min Scan# 1561

Delta R.T. 0.000 min

Lab File: VV030297.D

Acq: 22 Mar 2023 17:07

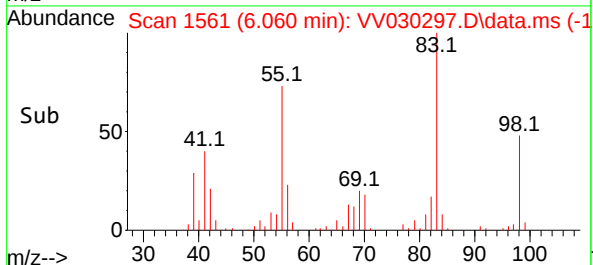
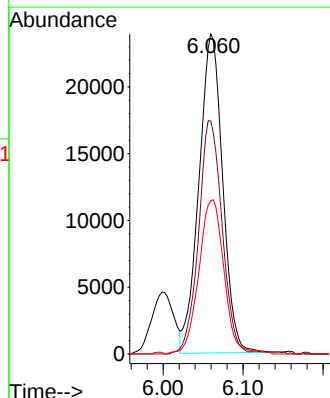
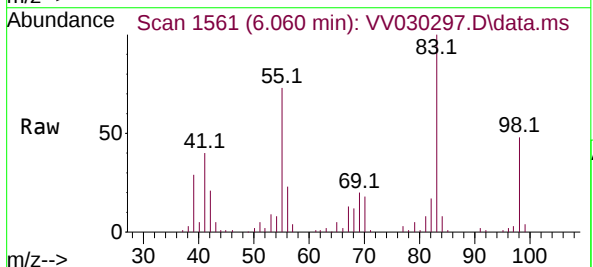
Tgt Ion: 83 Resp: 49365

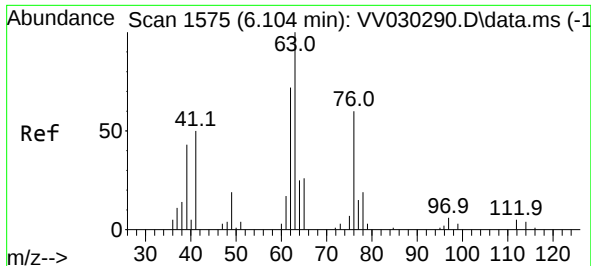
Ion Ratio Lower Upper

83 100

55 72.4 57.6 86.4

98 51.2 38.8 58.2





#37

1,2-Dichloropropane

Concen: 3.848 ug/L

RT: 6.105 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV030297.D

Acq: 22 Mar 2023 17:07

Instrument :

MSVOA_V

ClientSampleId :

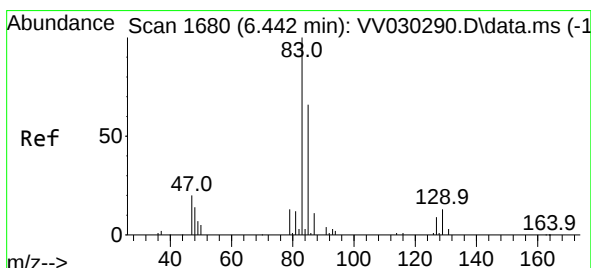
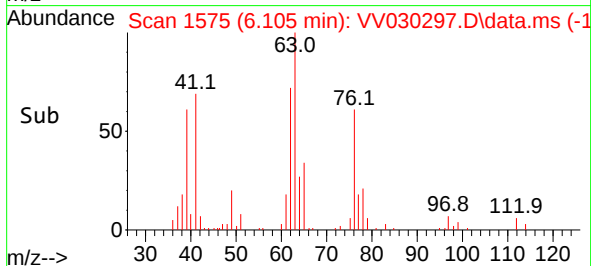
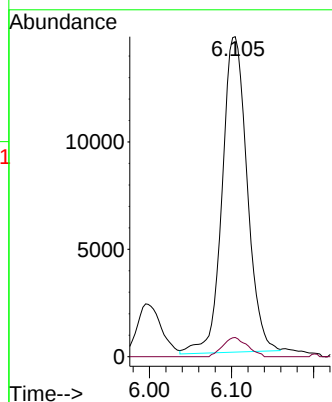
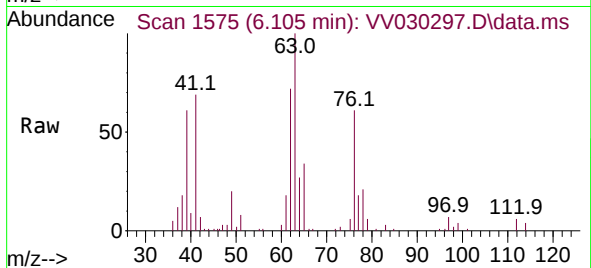
VSTD005313

Tgt Ion: 63 Resp: 31157

Ion Ratio Lower Upper

63 100

112 6.0 3.8 5.6#



#38

Bromodichloromethane

Concen: 4.782 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.000 min

Lab File: VV030297.D

Acq: 22 Mar 2023 17:07

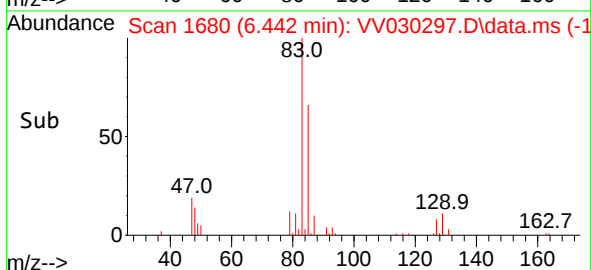
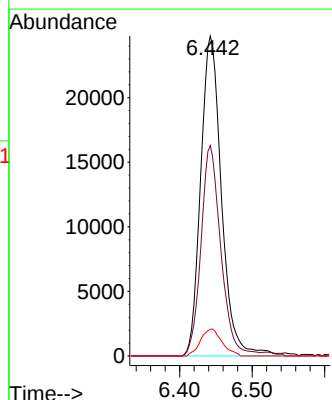
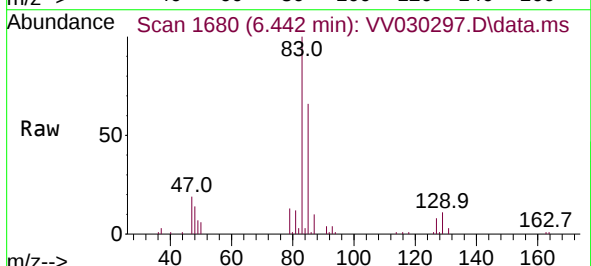
Tgt Ion: 83 Resp: 49434

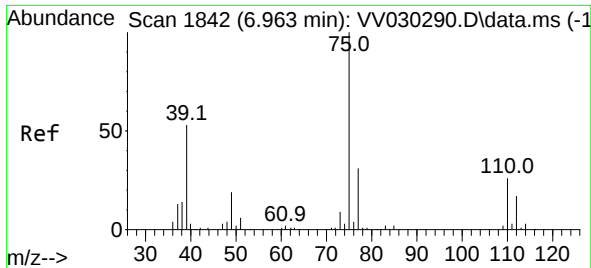
Ion Ratio Lower Upper

83 100

85 65.7 44.3 82.3

127 8.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 3.959 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VV030297.D

Acq: 22 Mar 2023 17:07

Instrument :

MSVOA_V

ClientSampleId :

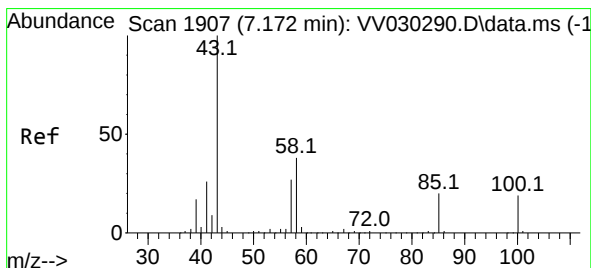
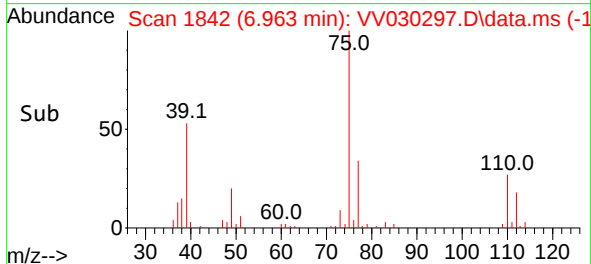
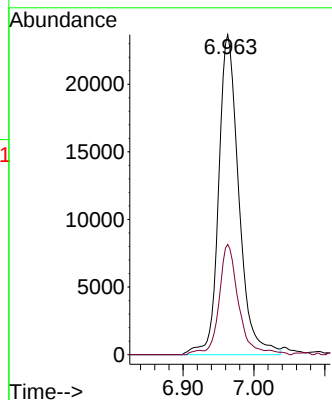
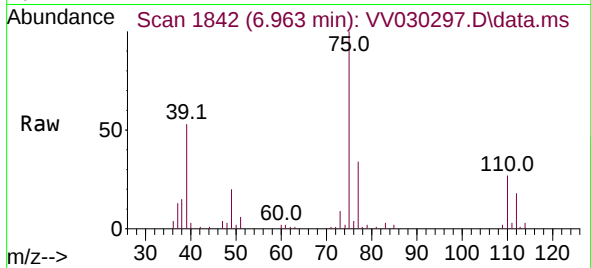
VSTD005313

Tgt Ion: 75 Resp: 46932

Ion Ratio Lower Upper

75 100

77 34.5 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 51.673 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VV030297.D

Acq: 22 Mar 2023 17:07

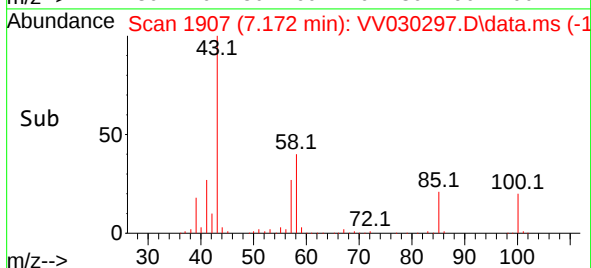
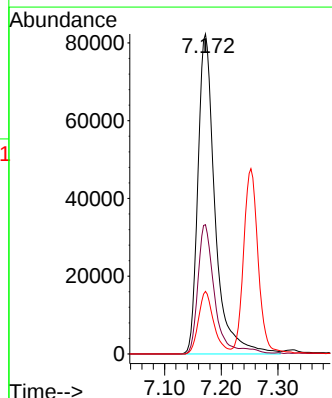
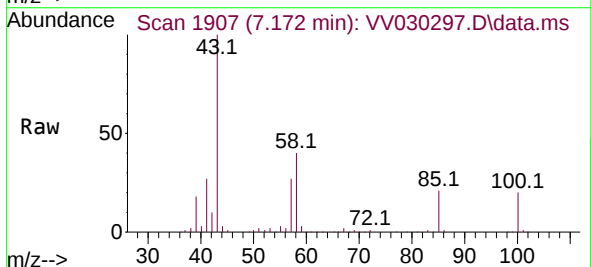
Tgt Ion: 43 Resp: 172654

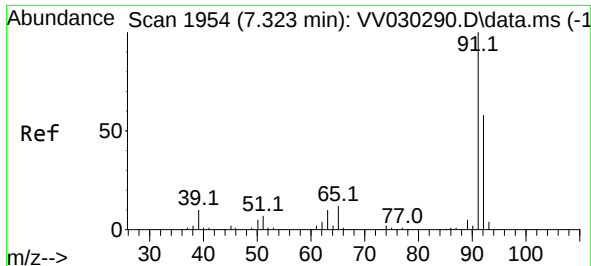
Ion Ratio Lower Upper

43 100

58 38.1 35.3 52.9

100 17.7 14.7 22.1





#42

Toluene

Concen: 4.366 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV030297.D

Acq: 22 Mar 2023 17:07

Instrument :

MSVOA_V

ClientSampleId :

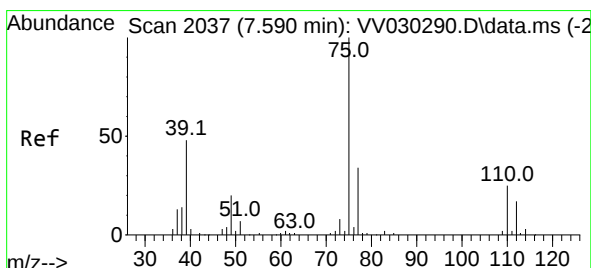
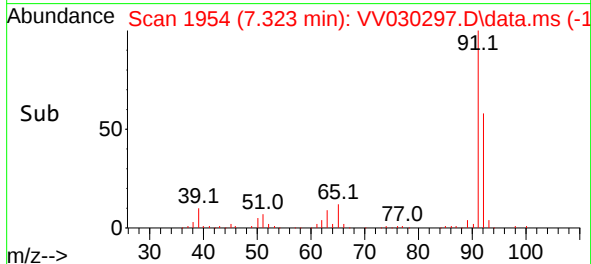
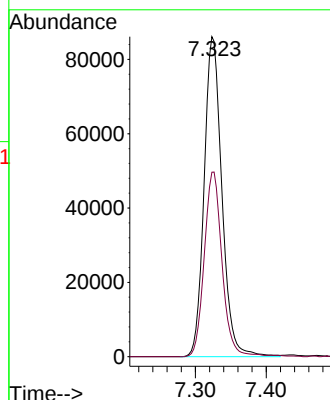
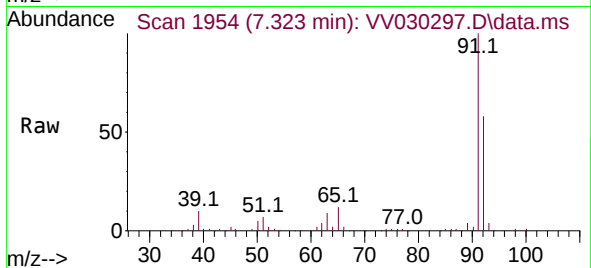
VSTD005313

Tgt Ion: 91 Resp: 150499

Ion Ratio Lower Upper

91 100

92 57.6 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 4.619 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.000 min

Lab File: VV030297.D

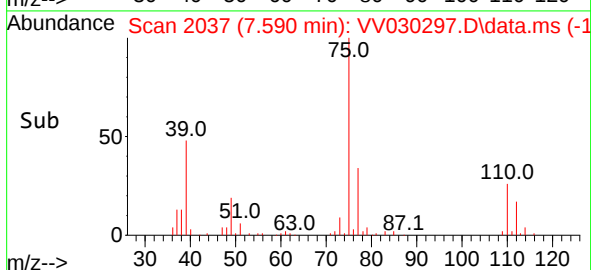
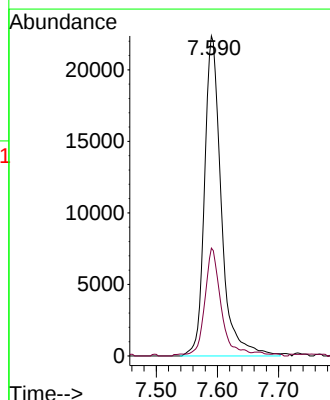
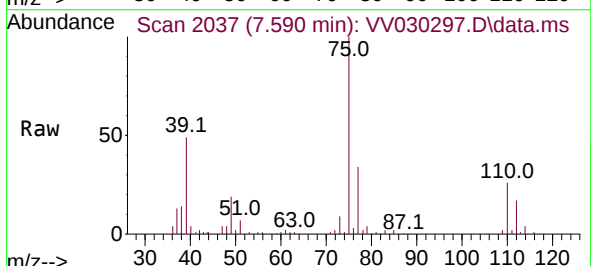
Acq: 22 Mar 2023 17:07

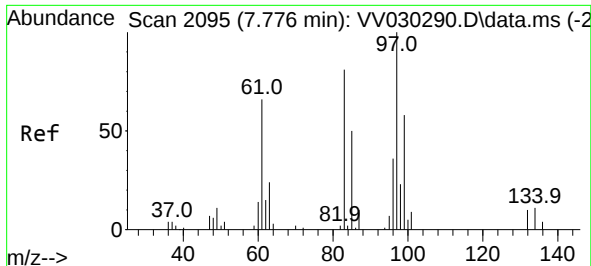
Tgt Ion: 75 Resp: 42741

Ion Ratio Lower Upper

75 100

77 33.7 22.1 41.1

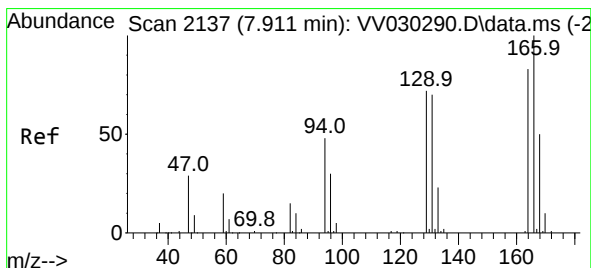
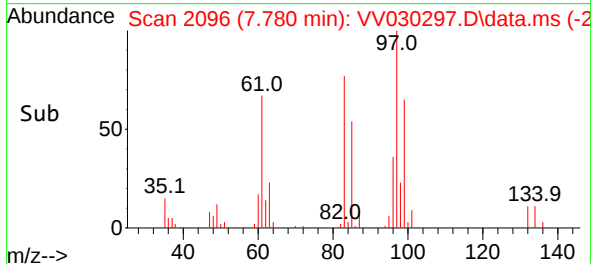
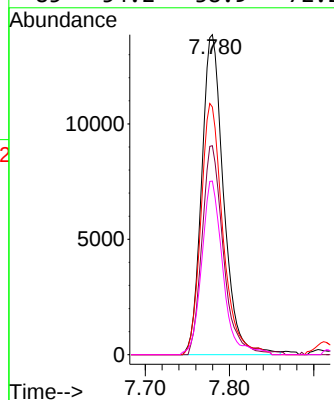
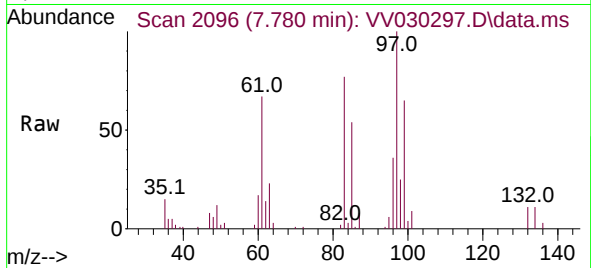




#45
1,1,2-Trichloroethane
Concen: 4.347 ug/L
RT: 7.780 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

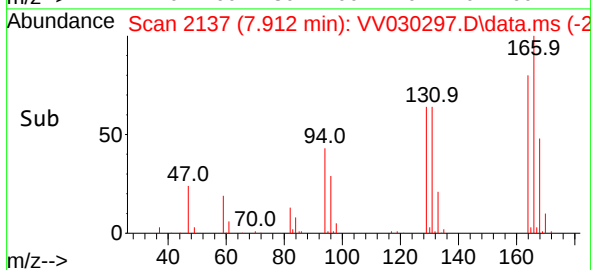
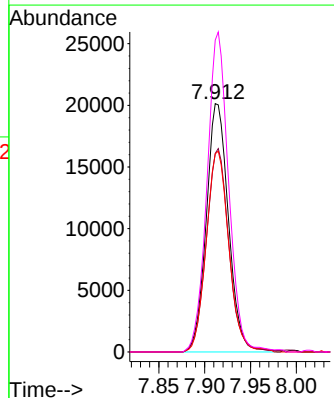
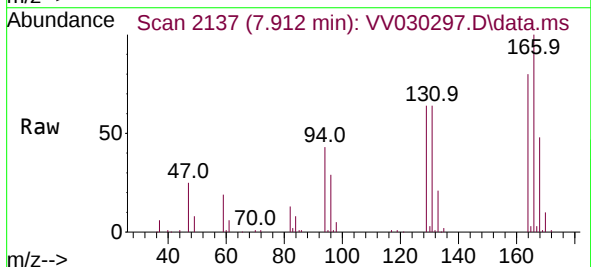
Instrument :
MSVOA_V
ClientSampleId :
VSTD005313

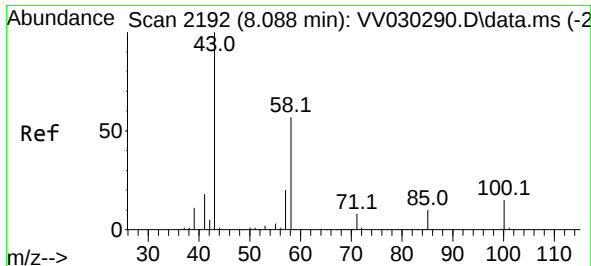
Tgt Ion: 97	Resp: 25186
Ion Ratio	Lower Upper
97 100	
99 65.3	42.6 79.2
83 77.4	57.7 107.3
85 54.2	38.9 72.2



#47
Tetrachloroethene
Concen: 4.435 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

Tgt	Ion:164	Resp:	33952
Ion	Ratio	Lower	Upper
164	100		
129	79.9	63.6	118.2
131	79.7	61.7	114.7
166	125.5	90.8	168.6

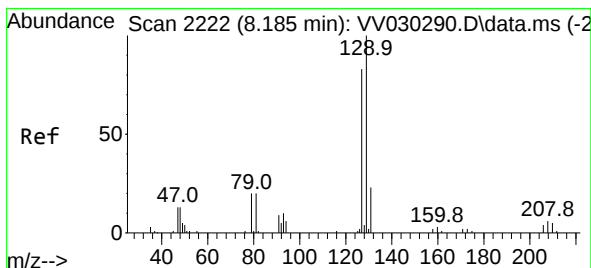
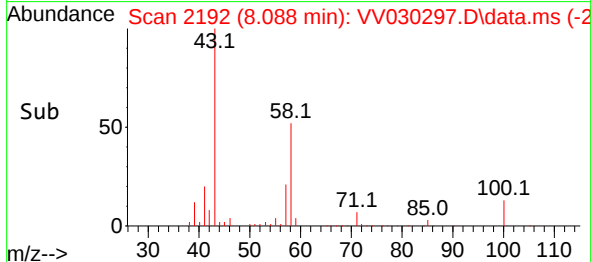
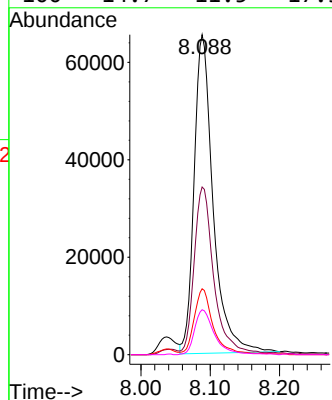
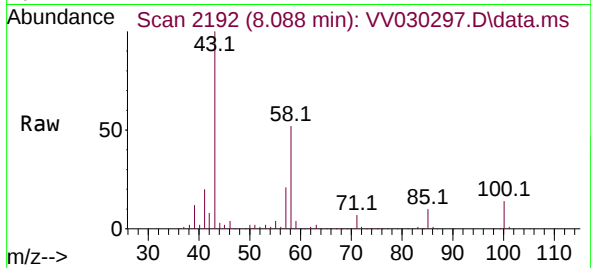




#48
2-Hexanone
Concen: 52.419 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

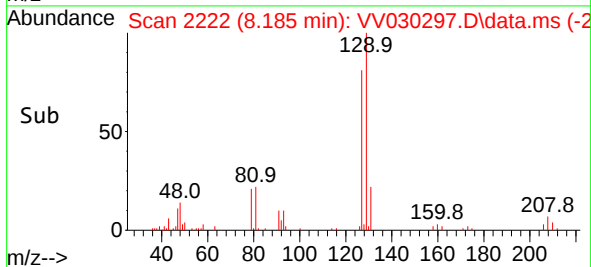
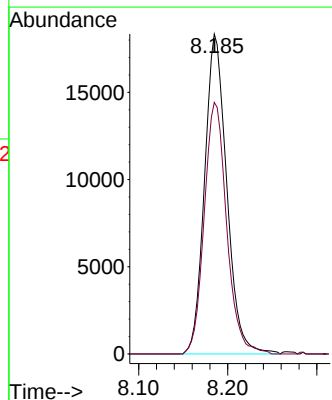
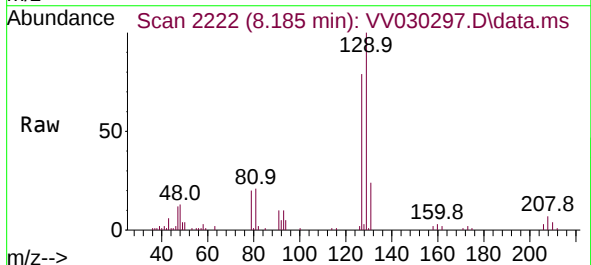
Instrument :
MSVOA_V
ClientSampleId :
VSTD005313

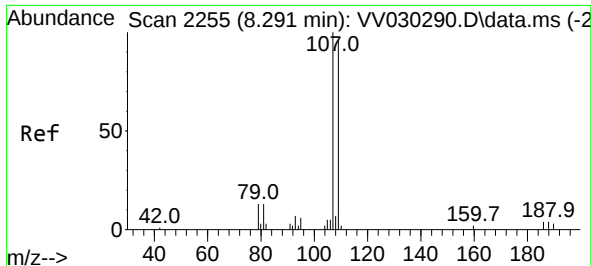
Tgt Ion:	43	Resp:	125385
Ion	Ratio	Lower	Upper
43	100		
58	52.8	49.8	74.8
57	20.4	16.6	24.8
100	14.7	11.5	17.3



#49
Dibromochloromethane
Concen: 4.676 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

Tgt Ion:	129	Resp:	31704
Ion	Ratio	Lower	Upper
129	100		
127	78.6	54.7	101.5





#50

1,2-Dibromoethane

Concen: 4.064 ug/L

RT: 8.294 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV030297.D

Acq: 22 Mar 2023 17:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD005313

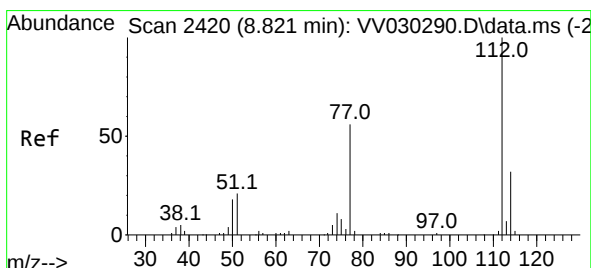
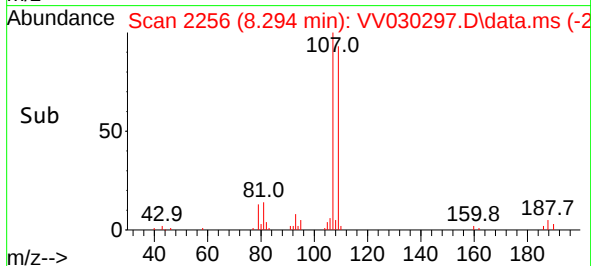
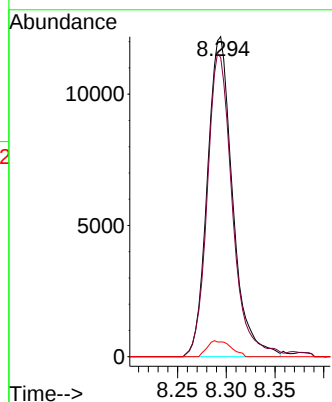
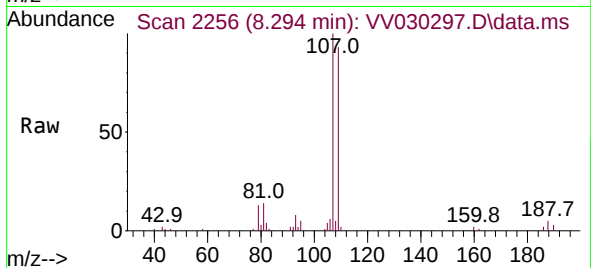
Tgt Ion:107 Resp: 21971

Ion Ratio Lower Upper

107 100

109 93.5 63.3 117.7

188 4.6 3.0 4.6#



#51

Chlorobenzene

Concen: 4.427 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030297.D

Acq: 22 Mar 2023 17:07

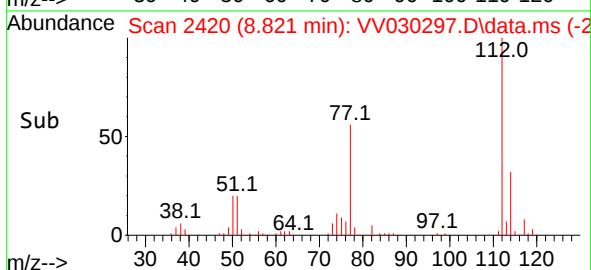
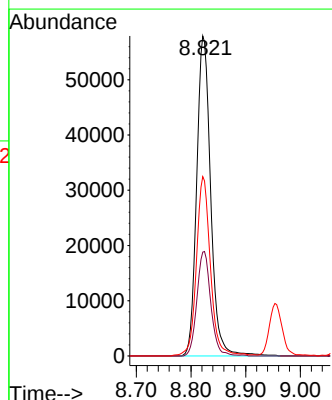
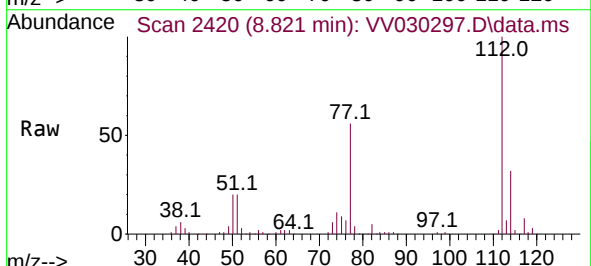
Tgt Ion:112 Resp: 102909

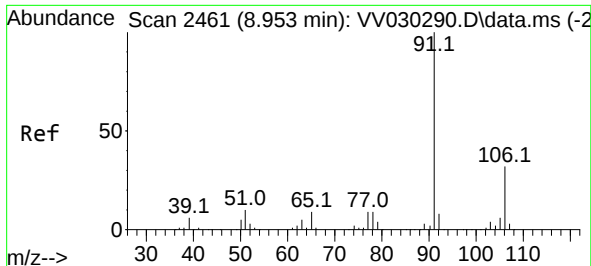
Ion Ratio Lower Upper

112 100

114 32.5 22.5 41.7

77 56.1 45.3 67.9

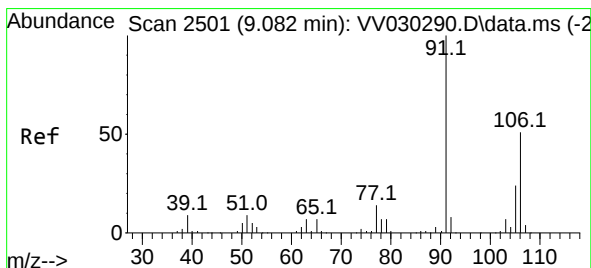
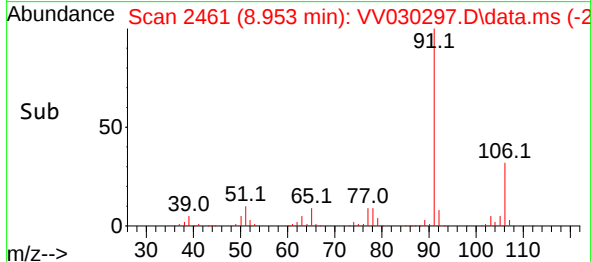
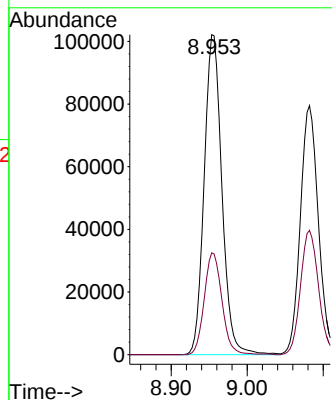
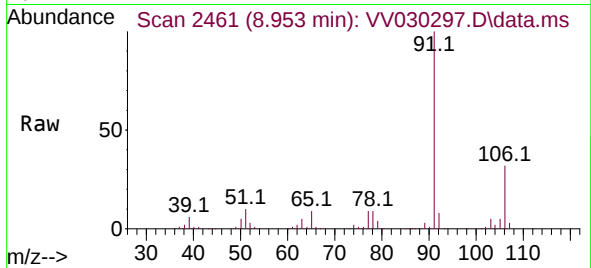




#52
Ethylbenzene
Concen: 4.416 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

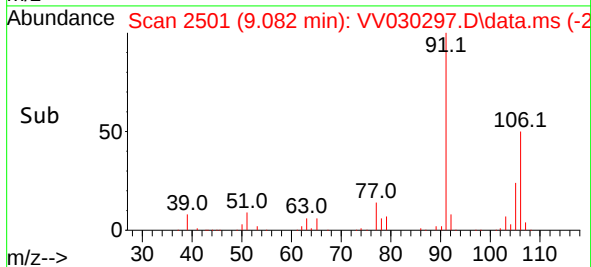
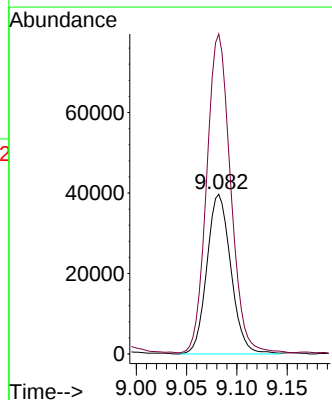
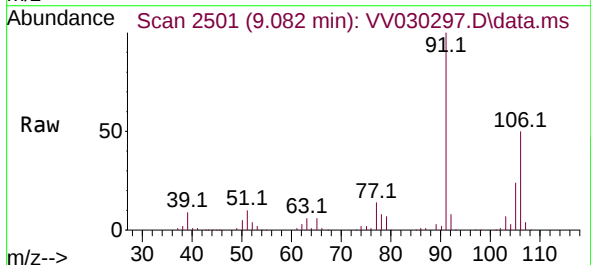
Instrument :
MSVOA_V
ClientSampleId :
VSTD005313

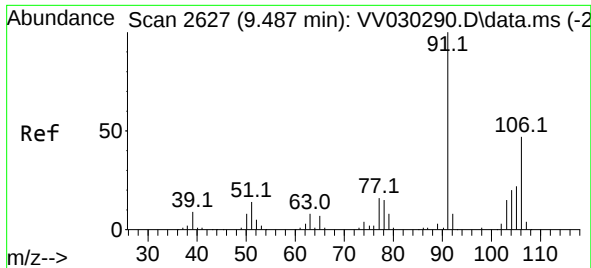
Tgt Ion: 91 Resp: 165687
Ion Ratio Lower Upper
91 100
106 31.9 22.0 40.8



#53
m,p-Xylene
Concen: 4.574 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

Tgt Ion: 106 Resp: 65951
Ion Ratio Lower Upper
106 100
91 200.5 142.5 264.7

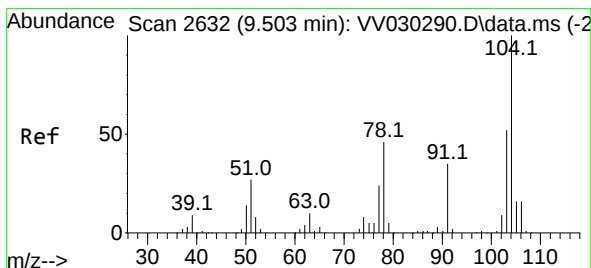
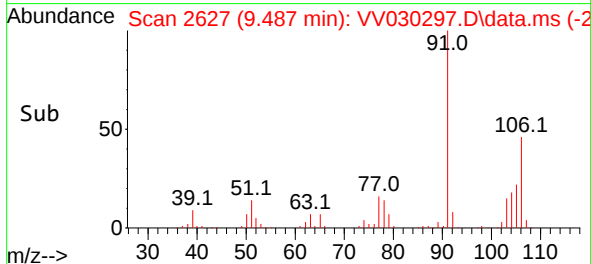
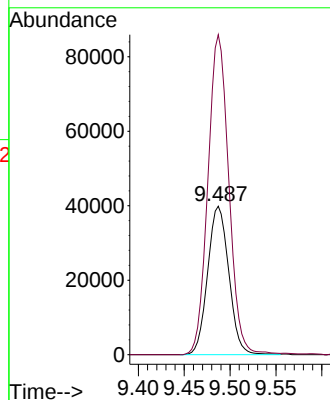
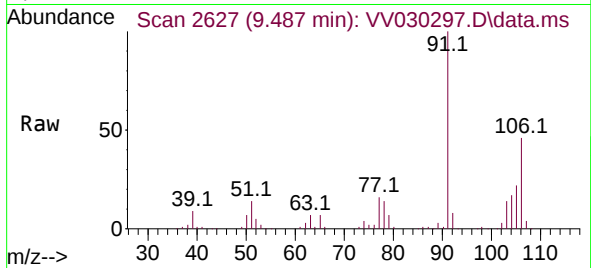




#54
o-Xylene
Concen: 4.654 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

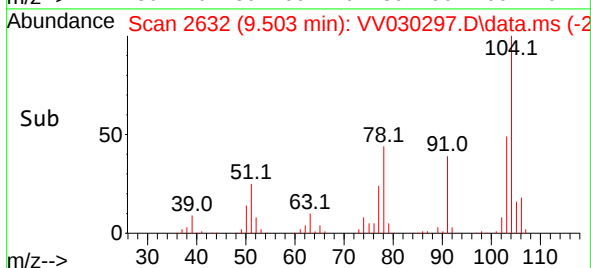
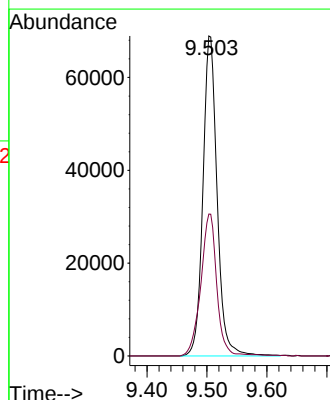
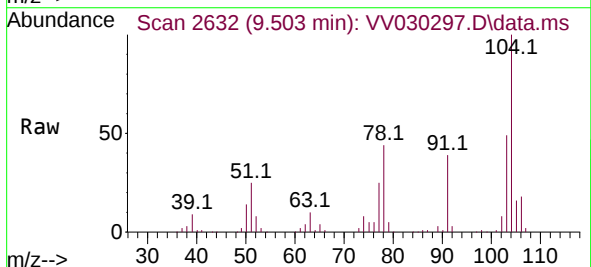
Instrument :
MSVOA_V
ClientSampleId :
VSTD005313

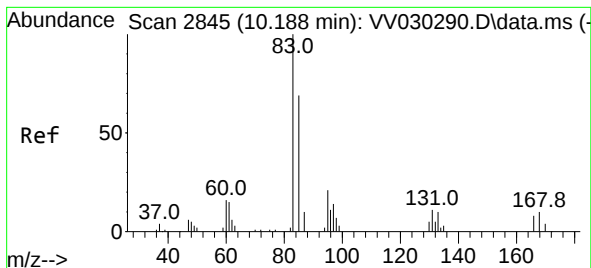
Tgt Ion:106 Resp: 64095
Ion Ratio Lower Upper
106 100
91 215.5 148.8 276.4



#55
Styrene
Concen: 4.969 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

Tgt Ion:104 Resp: 113811
Ion Ratio Lower Upper
104 100
78 44.4 31.1 57.9

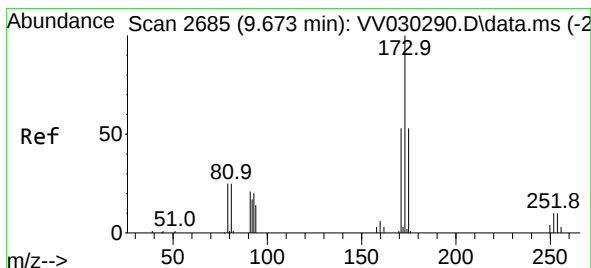
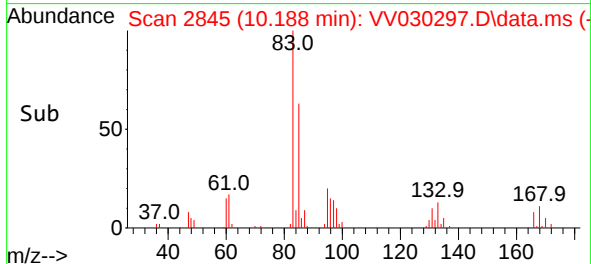
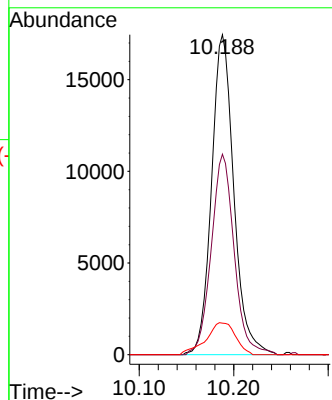
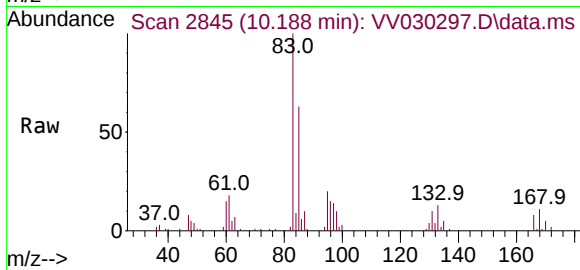




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.404 ug/L
 RT: 10.188 min Scan# 2845
 Delta R.T. 0.000 min
 Lab File: VV030297.D
 Acq: 22 Mar 2023 17:07

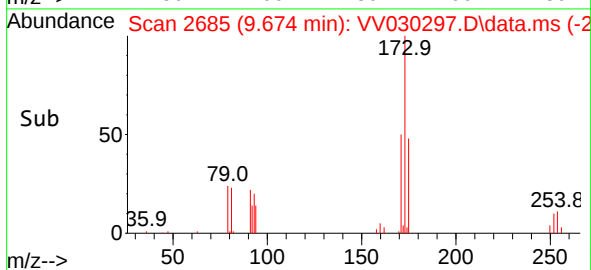
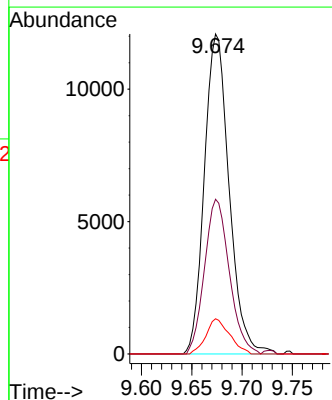
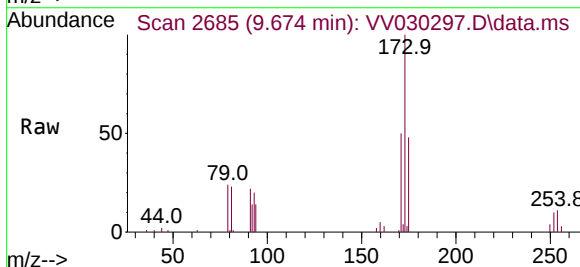
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005313

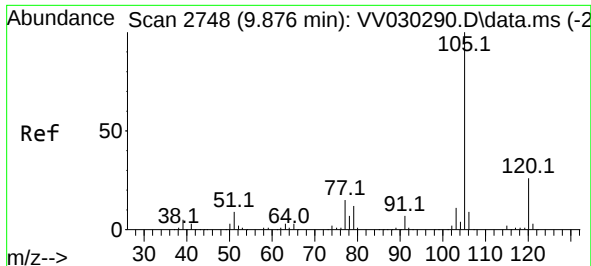
Tgt Ion: 83 Resp: 28540
 Ion Ratio Lower Upper
 83 100
 85 62.7 45.0 83.6
 131 9.8 8.2 12.4



#59
 Bromoform
 Concen: 5.080 ug/L
 RT: 9.674 min Scan# 2685
 Delta R.T. 0.000 min
 Lab File: VV030297.D
 Acq: 22 Mar 2023 17:07

Tgt Ion: 173 Resp: 20700
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.5 57.7
 254 10.5 8.6 13.0

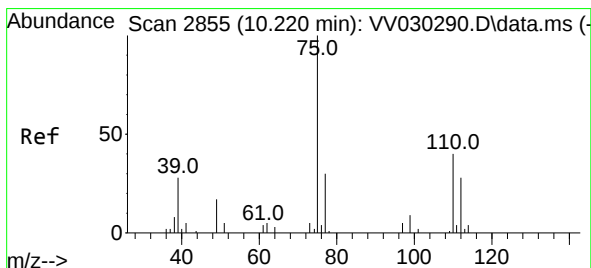
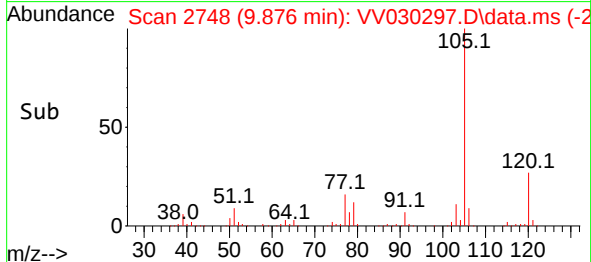
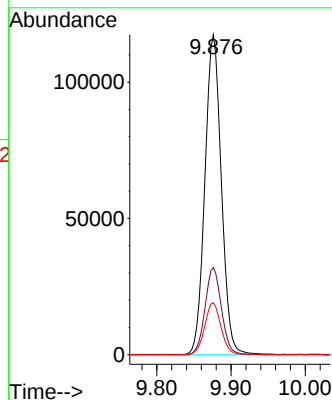
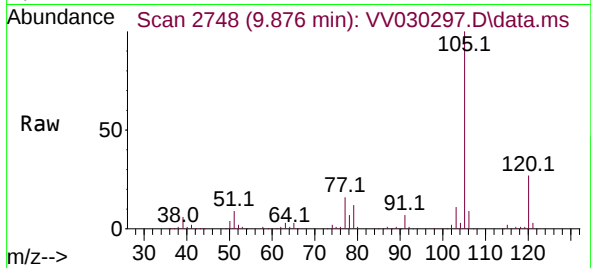




#60
Isopropylbenzene
Concen: 4.616 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

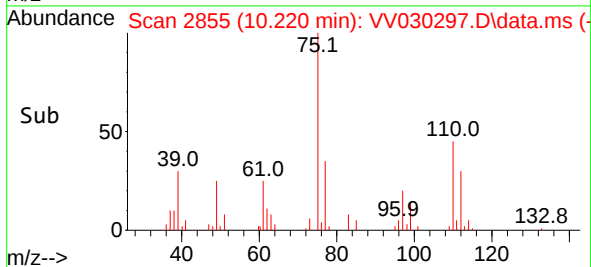
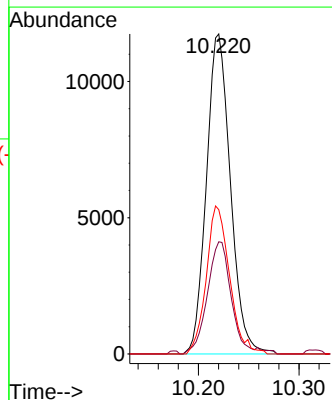
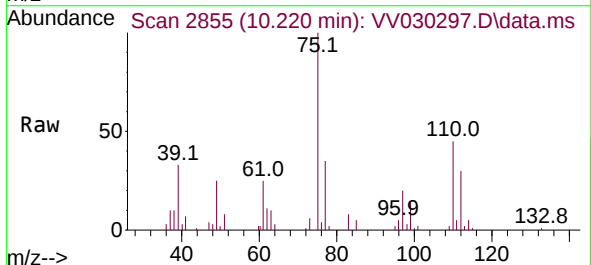
Instrument :
MSVOA_V
ClientSampleId :
VSTD005313

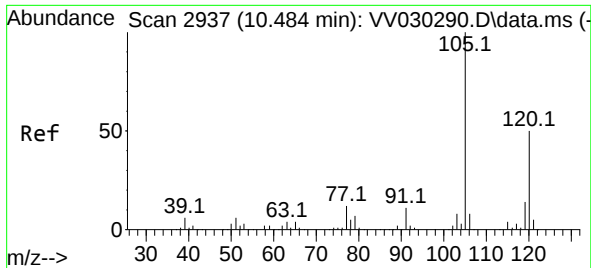
Tgt Ion:105 Resp: 180568
Ion Ratio Lower Upper
105 100
120 26.9 21.4 32.0
77 16.0 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 4.282 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

Tgt Ion: 75 Resp: 19484
Ion Ratio Lower Upper
75 100
77 34.5 26.5 39.7
110 44.8 31.8 47.6

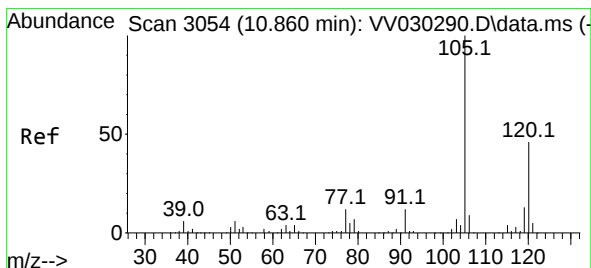
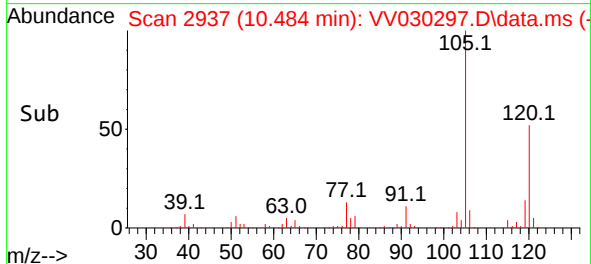
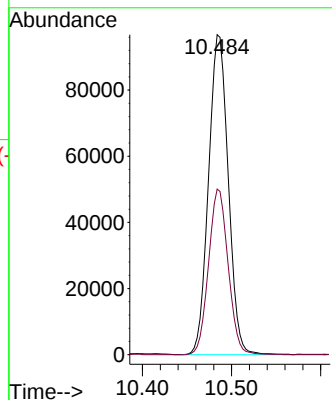
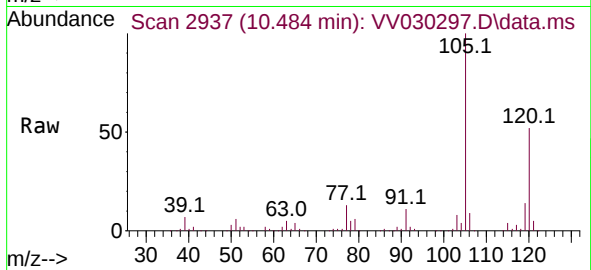




#62
1,3,5-Trimethylbenzene
Concen: 4.619 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

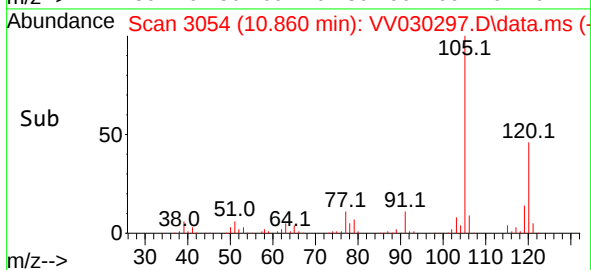
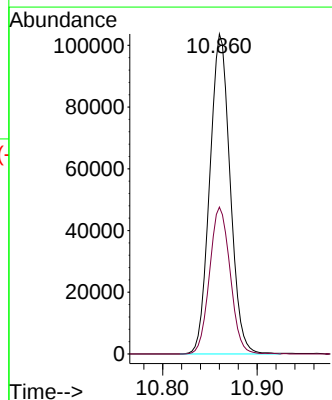
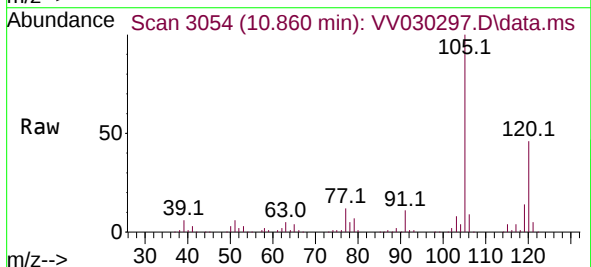
Instrument :
MSVOA_V
ClientSampleId :
VSTD005313

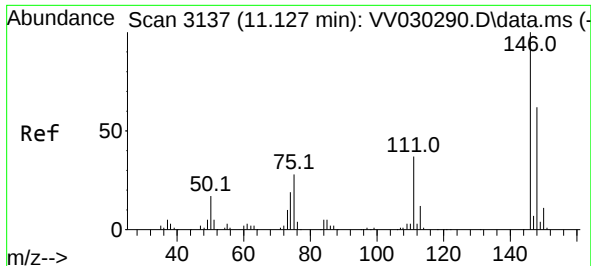
Tgt Ion:105 Resp: 148419
Ion Ratio Lower Upper
105 100
120 51.3 39.6 59.4



#63
1,2,4-Trimethylbenzene
Concen: 4.724 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

Tgt Ion:105 Resp: 155283
Ion Ratio Lower Upper
105 100
120 46.2 36.2 54.4

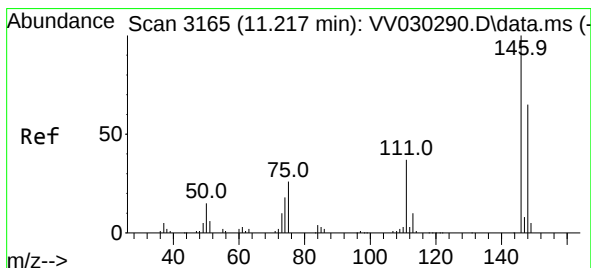
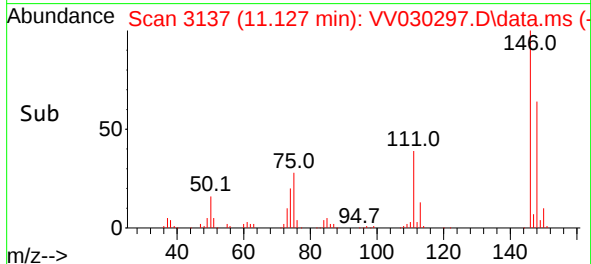
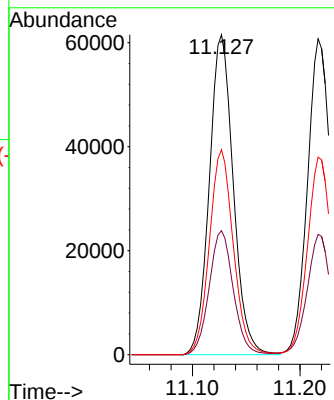
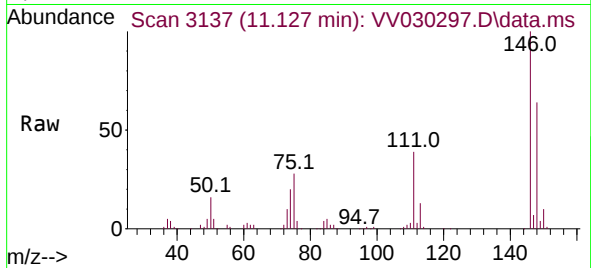




#64
1,3-Dichlorobenzene
Concen: 4.675 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

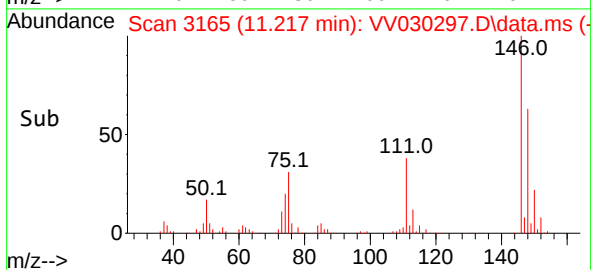
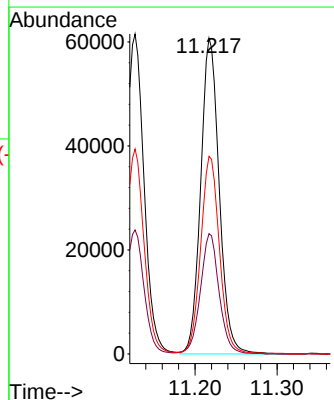
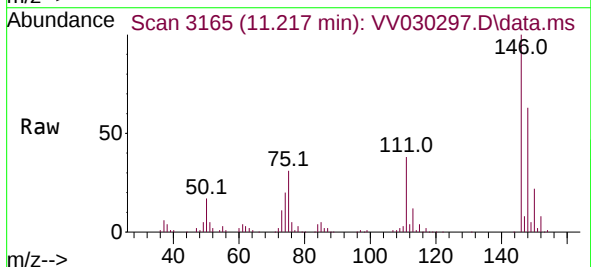
Instrument :
MSVOA_V
ClientSampleId :
VSTD005313

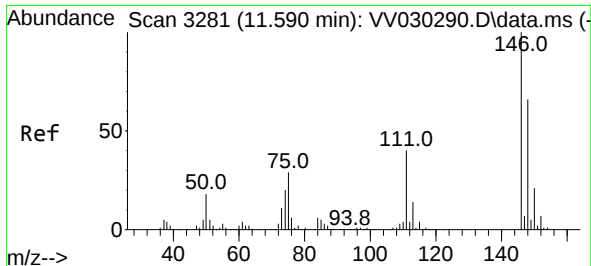
Tgt Ion:146 Resp: 95222
Ion Ratio Lower Upper
146 100
111 38.7 27.7 51.5
148 64.0 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.637 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

Tgt Ion:146 Resp: 95291
Ion Ratio Lower Upper
146 100
111 38.1 27.4 51.0
148 62.6 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 4.815 ug/L

RT: 11.590 min Scan# 3281

Delta R.T. 0.000 min

Lab File: VV030297.D

Acq: 22 Mar 2023 17:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD005313

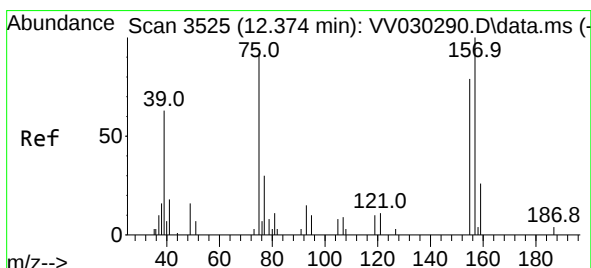
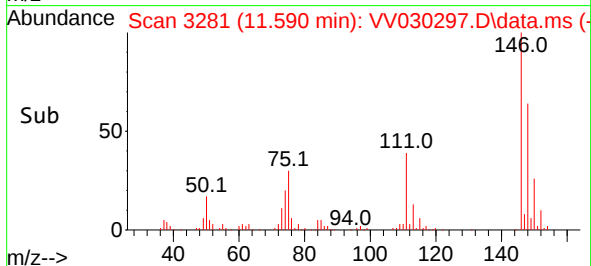
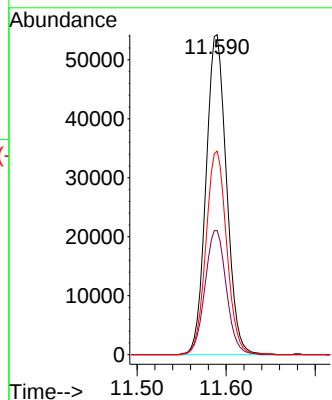
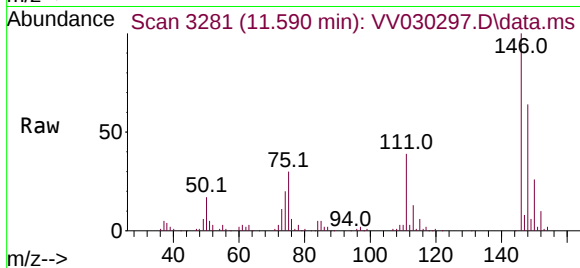
Tgt Ion:146 Resp: 86588

Ion Ratio Lower Upper

146 100

111 38.8 33.5 50.3

148 63.6 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.163 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.000 min

Lab File: VV030297.D

Acq: 22 Mar 2023 17:07

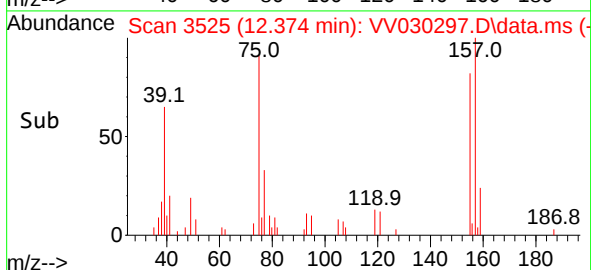
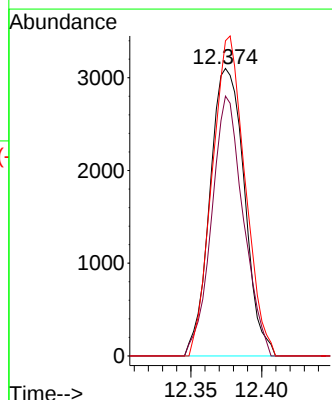
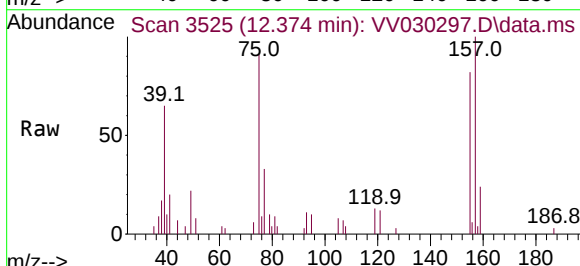
Tgt Ion: 75 Resp: 5247

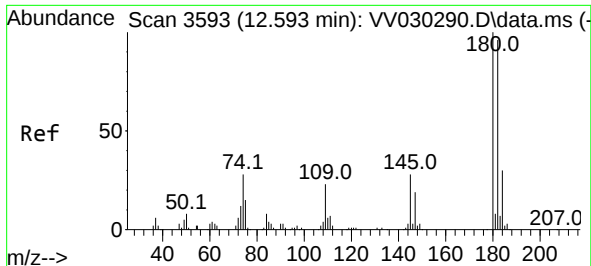
Ion Ratio Lower Upper

75 100

155 90.4 79.1 118.7

157 109.7 95.5 143.3

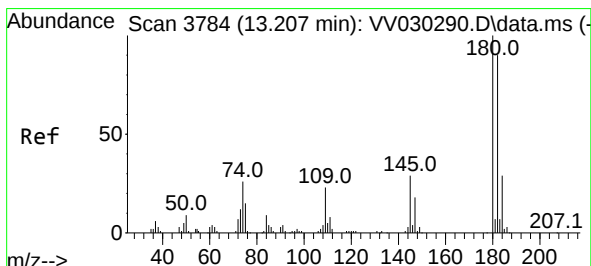
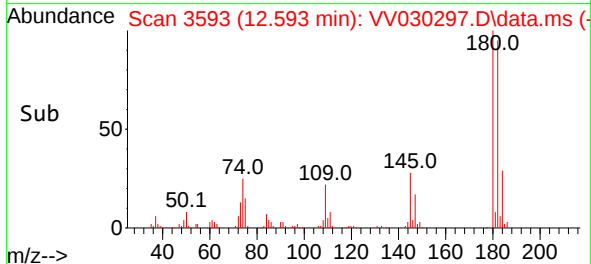
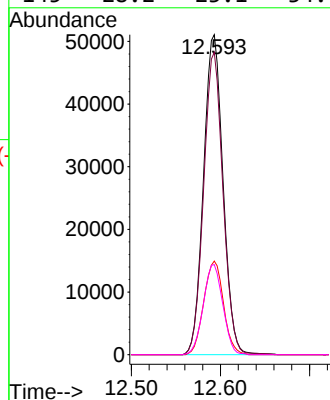
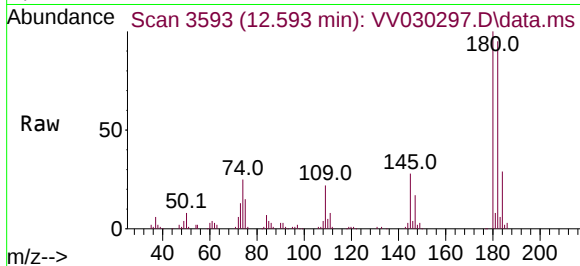




#69
 1,3,5-Trichlorobenzene
 Concen: 4.637 ug/L
 RT: 12.593 min Scan# 3593
 Delta R.T. 0.000 min
 Lab File: VV030297.D
 Acq: 22 Mar 2023 17:07

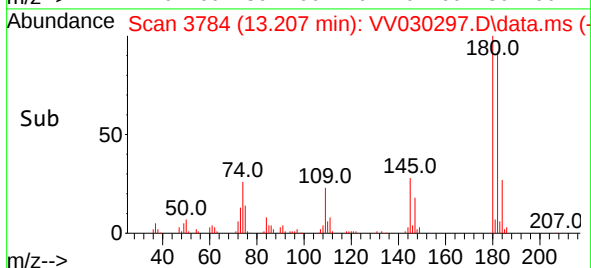
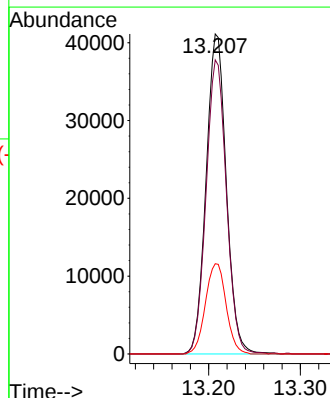
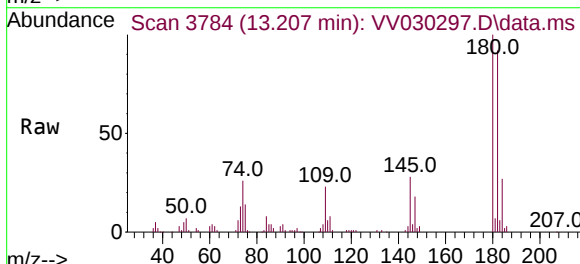
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005313

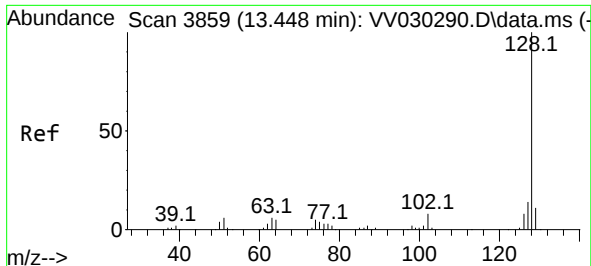
Tgt Ion:180	Resp:	77645
Ion Ratio	Lower	Upper
180	100	
182	93.7	76.5 114.7
184	29.5	24.3 36.5
145	28.2	23.1 34.7



#70
 1,2,4-trichlorobenzene
 Concen: 4.636 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.000 min
 Lab File: VV030297.D
 Acq: 22 Mar 2023 17:07

Tgt Ion:180	Resp:	62882
Ion Ratio	Lower	Upper
180	100	
182	92.4	77.3 115.9
145	28.9	23.1 34.7



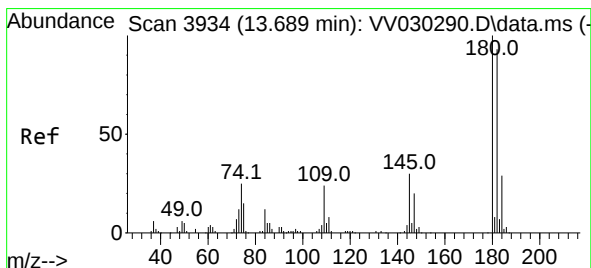
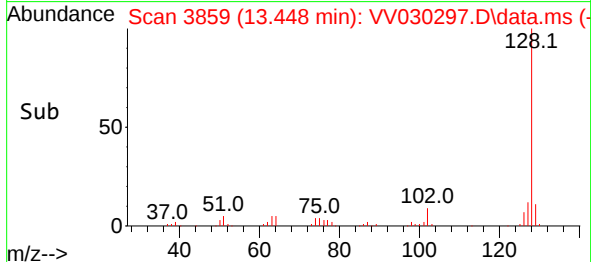
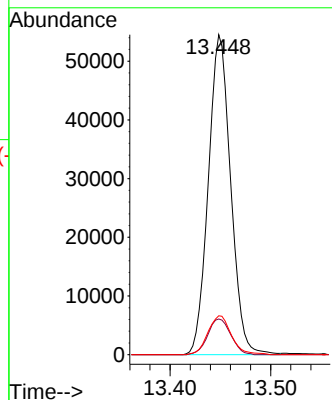
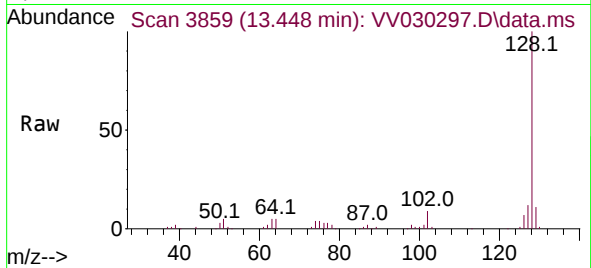


#71
Naphthalene

Concen: 4.754 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD005313

Tgt Ion:128 Resp: 84258
Ion Ratio Lower Upper
128 100
129 11.5 8.6 13.0
127 12.8 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 4.621 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV030297.D
Acq: 22 Mar 2023 17:07

Tgt Ion:180 Resp: 51601
Ion Ratio Lower Upper
180 100
182 95.1 76.2 114.2
145 31.6 25.1 37.7

