

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011823\
 Data File : VW029889.D
 Acq On : 18 Jan 2023 10:20
 Operator : SY/MD
 Sample : VSTD00502
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005202

Quant Time: Jan 19 00:24:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 19 00:23:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	491233	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	475717	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	282778	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	14829	4.715	ug/L	0.00
7) Chloroethane-d5	1.564	69	12803	5.257	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.108	63	27909	5.604	ug/L	0.00
21) 2-Butanone-d5	3.896	46	11544	6.093	ug/L	0.03
24) Chloroform-d	4.336	84	28673	4.896	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.027	65	15825	4.755	ug/L	0.00
32) Benzene-d6	5.043	84	55958	4.377	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.063	67	18158	4.657	ug/L	0.00
41) Toluene-d8	7.307	98	50022	4.172	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.619	79	6892	3.573	ug/L	0.00
47) 2-Hexanone-d5	8.088	63	11953	7.123	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.204	84	27454	4.857	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.612	152	22741	4.242	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	17125	4.569	ug/L	100
3) Chloromethane	1.240	50	18249	4.335	ug/L	98
5) Vinyl chloride	1.310	62	19360	5.158	ug/L	100
6) Bromomethane	1.519	94	8545	5.809	ug/L	94
8) Chloroethane	1.584	64	13184	6.168	ug/L	96
9) Trichlorofluoromethane	1.751	101	27490	5.795	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	17262	6.421	ug/L	99
12) 1,1-Dichloroethene	2.114	96	16185	5.956	ug/L	96
13) Acetone	2.159	43	26071	18.487	ug/L	98
14) Carbon disulfide	2.291	76	41465	4.852	ug/L	99
15) Methyl Acetate	2.426	43	13929	5.006	ug/L	99
16) Methylene chloride	2.503	84	20386	6.104	ug/L	99
17) trans-1,2-Dichloroethene	2.757	96	16965	5.543	ug/L	99
18) Methyl tert-butyl Ether	2.764	73	50368	5.332	ug/L	99
19) 1,1-Dichloroethane	3.182	63	31344	5.886	ug/L	99
20) cis-1,2-Dichloroethene	3.905	96	18022	5.312	ug/L	99
22) 2-Butanone	3.969	43	23494	11.655	ug/L	100
23) Bromochloromethane	4.240	128	9903	5.644	ug/L	92
25) Chloroform	4.365	83	32055	5.809	ug/L	98
27) 1,2-Dichloroethane	5.124	62	22005	5.651	ug/L	100
29) Cyclohexane	4.670	56	22986	4.523	ug/L	96
30) 1,1,1-Trichloroethane	4.596	97	28175	5.413	ug/L	99
31) Carbon tetrachloride	4.818	117	23314	5.168	ug/L	99
33) Benzene	5.092	78	68409	5.060	ug/L	100
34) Trichloroethene	5.908	95	18379	5.465	ug/L	96
35) Methylcyclohexane	6.124	83	26862	4.722	ug/L	98
37) 1,2-Dichloropropane	6.166	63	18143	5.507	ug/L	98
38) Bromodichloromethane	6.503	83	23992	5.333	ug/L	98
39) cis-1,3-Dichloropropene	7.024	75	23626	4.500	ug/L	98
40) 4-Methyl-2-pentanone	7.223	43	35350	9.062	ug/L	99
42) Toluene	7.381	91	70523	4.857	ug/L	100
44) trans-1,3-Dichloropropene	7.645	75	21413	4.302	ug/L	94

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 ALS Vial : 2 Sample Multiplier: 1

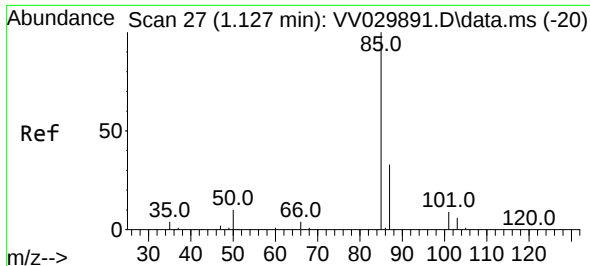
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005202

Quant Time: Jan 19 00:24:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 19 00:23:54 2023
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	7.831	97	18941	5.579	ug/L	97
46) Tetrachloroethene	7.966	164	15149	5.586	ug/L	95
48) 2-Hexanone	8.137	43	29536	9.726	ug/L	97
49) Dibromochloromethane	8.236	129	18537	5.011	ug/L	91
50) 1,2-Dibromoethane	8.346	107	17976	5.163	ug/L	100
51) Chlorobenzene	8.870	112	51449	5.555	ug/L	99
52) Ethylbenzene	9.005	91	75414	4.943	ug/L	98
53) m,p-Xylene	9.130	106	30184	4.993	ug/L	95
54) o-Xylene	9.535	106	28439	4.768	ug/L	98
55) Styrene	9.551	104	49978	4.764	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.230	83	31161	5.704	ug/L	99
59) Bromoform	9.722	173	12758	4.248	ug/L	99
60) Isopropylbenzene	9.921	105	75005	4.605	ug/L	99
61) 1,2,3-Trichloropropane	10.262	75	22714	5.247	ug/L	98
62) 1,3,5-Trimethylbenzene	10.525	105	60721	4.218	ug/L	96
63) 1,2,4-Trimethylbenzene	10.902	105	60505	4.241	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	40801	5.051	ug/L	97
65) 1,4-Dichlorobenzene	11.259	146	43914	5.342	ug/L	98
67) 1,2-Dichlorobenzene	11.632	146	42254	5.125	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.416	75	6024	4.566	ug/L	99
69) 1,3,5-Trichlorobenzene	12.632	180	32113	5.032	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	26714	4.716	ug/L	99
71) Naphthalene	13.490	128	61121	4.554	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	25302	4.557	ug/L	99

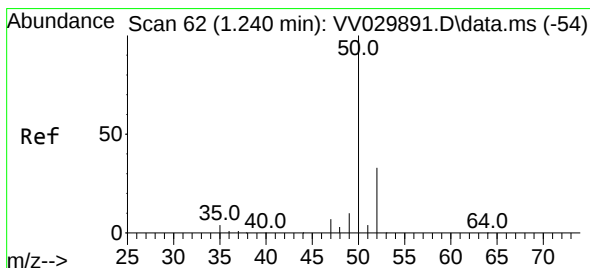
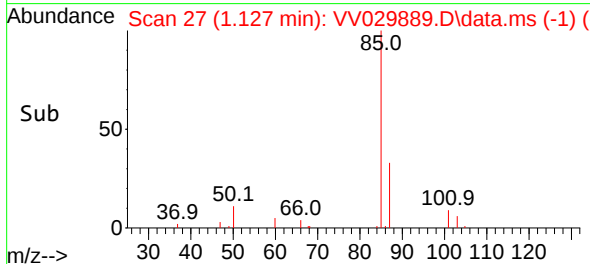
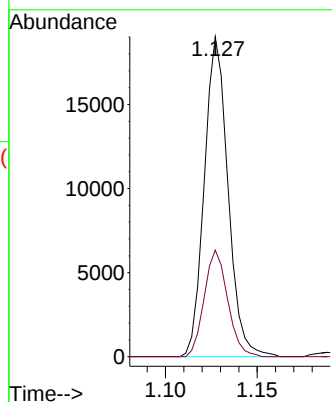
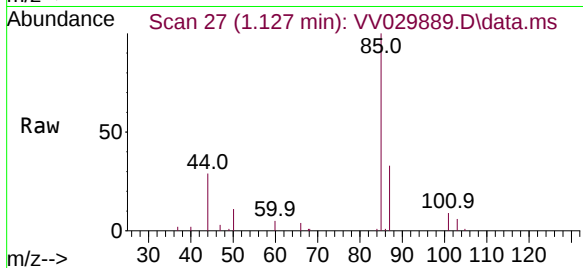
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.569 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029889.D
 Acq: 18 Jan 2023 10:20

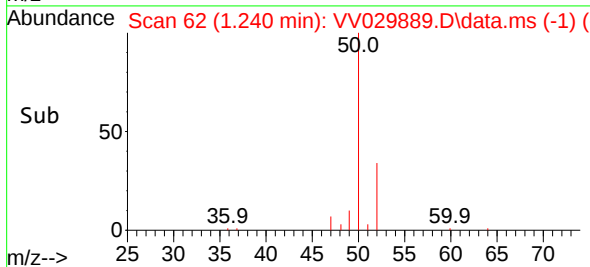
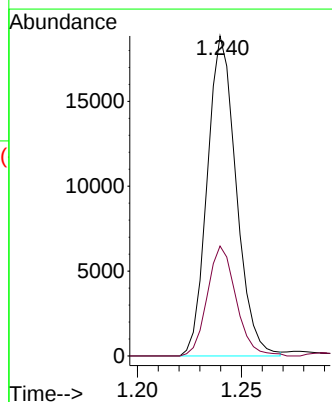
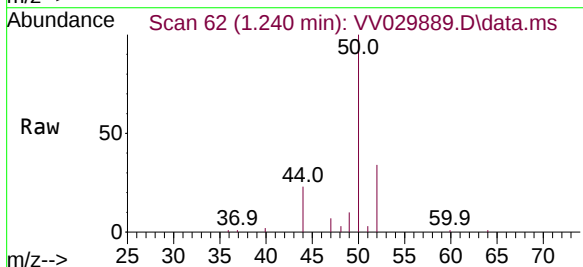
Instrument :
 MSVOA_V
 ClientSampleId :
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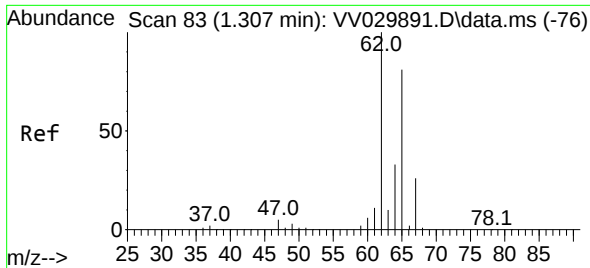
Tgt Ion: 85 Resp: 17125
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.2 39.4



#3
 Chloromethane
 Concen: 4.335 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029889.D
 Acq: 18 Jan 2023 10:20

Tgt Ion: 50 Resp: 18249
 Ion Ratio Lower Upper
 50 100
 52 34.3 23.4 43.4

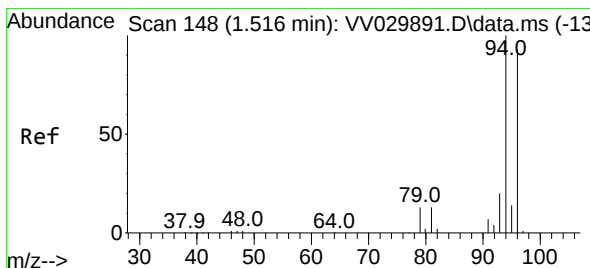
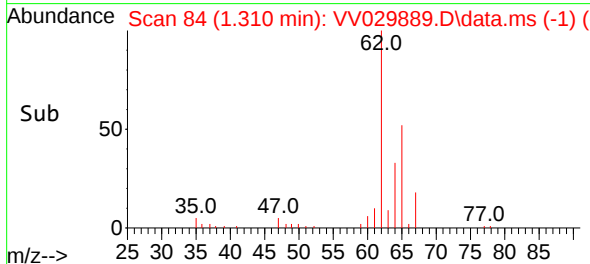
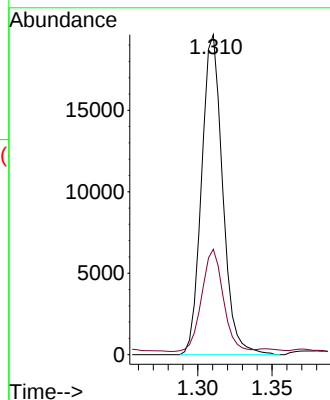
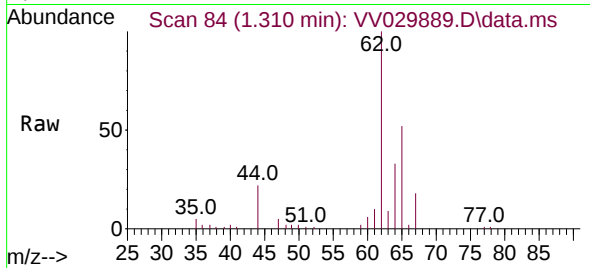




#5
 Vinyl chloride
 Concen: 5.158 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV029889.D
 Acq: 18 Jan 2023 10:20

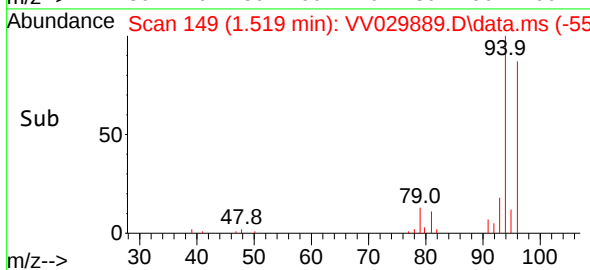
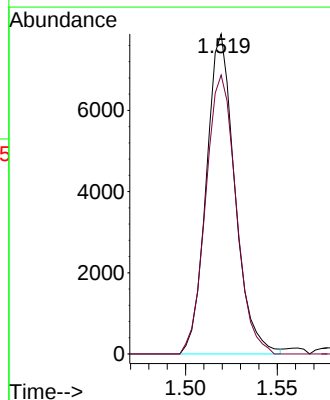
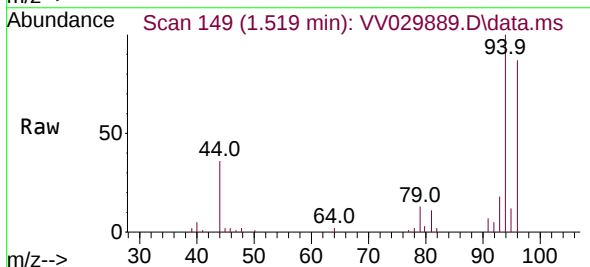
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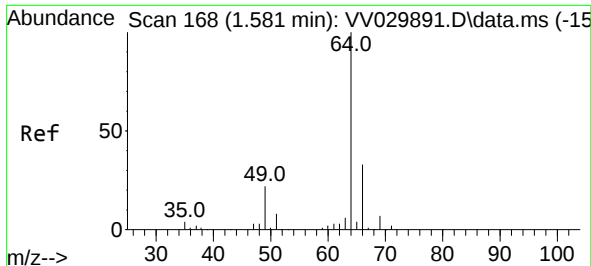
Tgt Ion: 62 Resp: 19360
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.0 42.8



#6
 Bromomethane
 Concen: 5.809 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.003 min
 Lab File: VV029889.D
 Acq: 18 Jan 2023 10:20

Tgt Ion: 94 Resp: 8545
 Ion Ratio Lower Upper
 94 100
 96 87.2 64.8 120.4

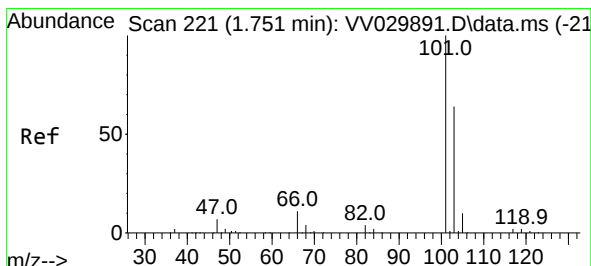
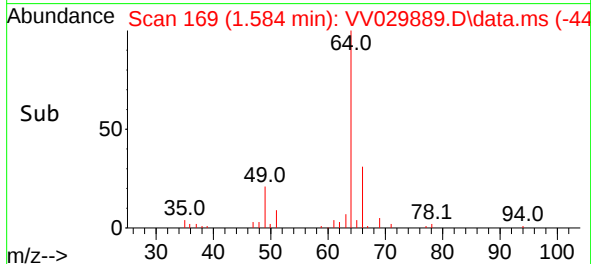
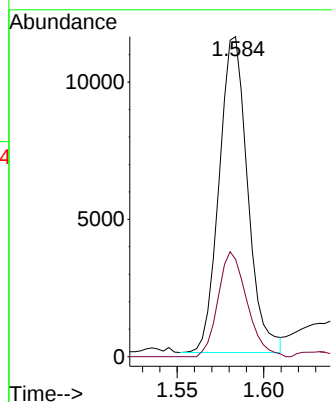
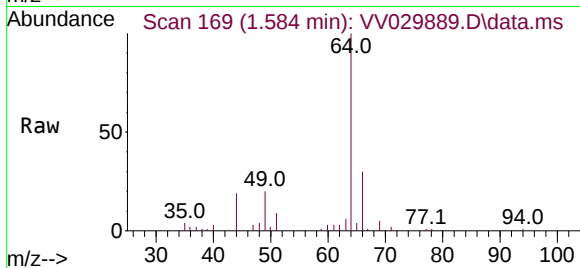




#8
Chloroethane
Concen: 6.168 ug/L
RT: 1.584 min Scan# 168
Delta R.T. 0.003 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

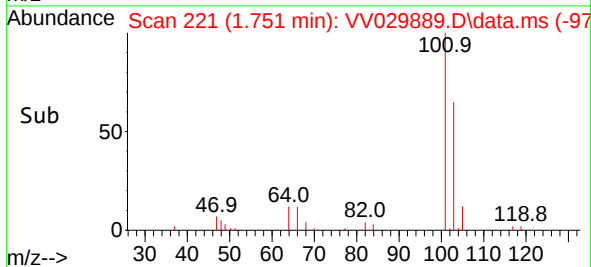
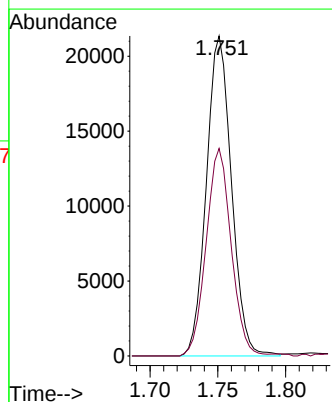
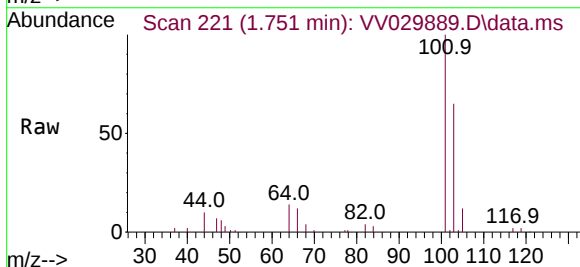
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ClientSampleId :
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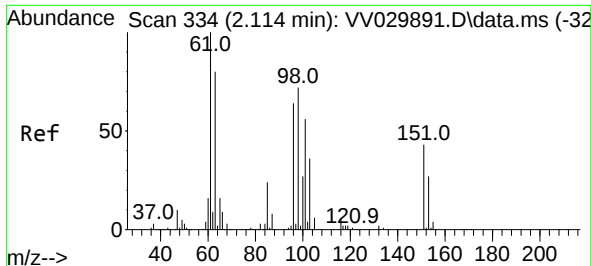
Tgt Ion: 64 Resp: 13184
Ion Ratio Lower Upper
64 100
66 30.5 23.1 42.9



#9
Trichlorofluoromethane
Concen: 5.795 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

Tgt Ion:101 Resp: 27490
Ion Ratio Lower Upper
101 100
103 64.5 51.3 76.9

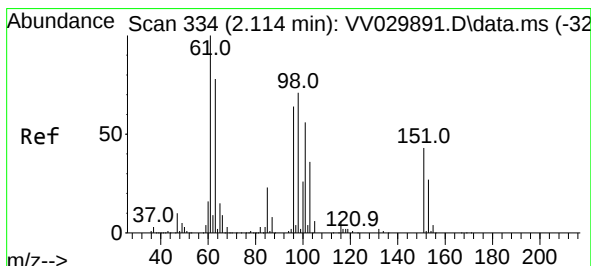
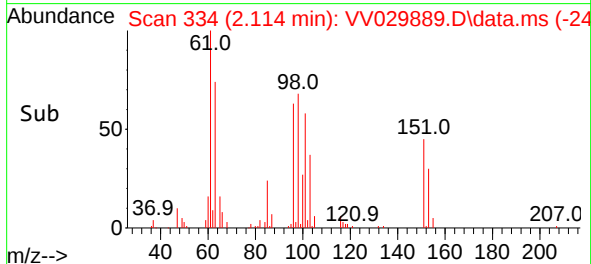
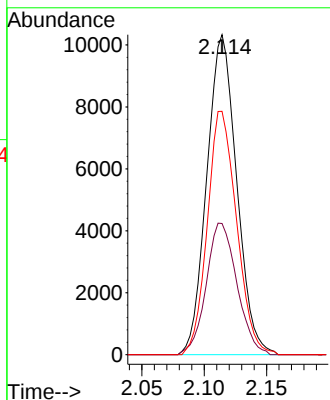
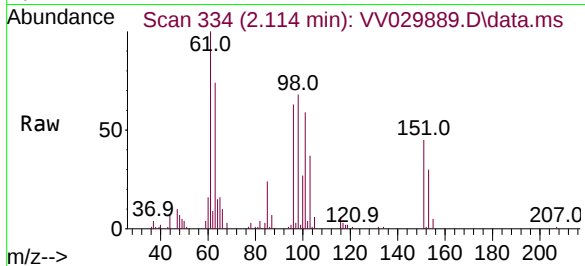




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 6.421 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV029889.D
 Acq: 18 Jan 2023 10:20

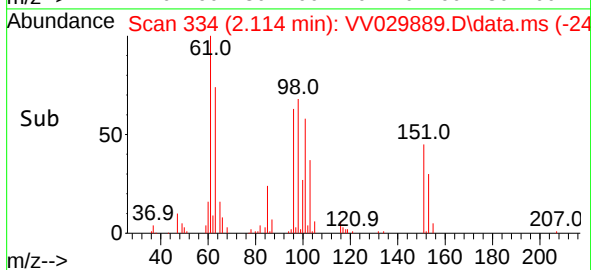
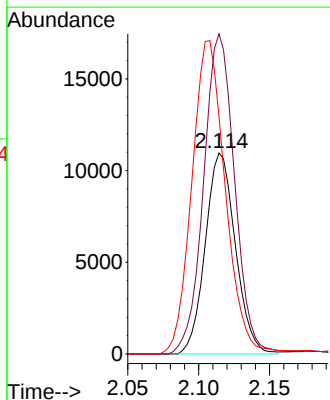
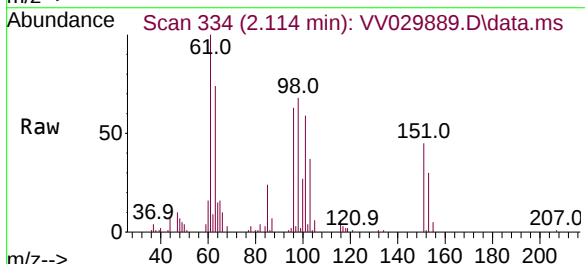
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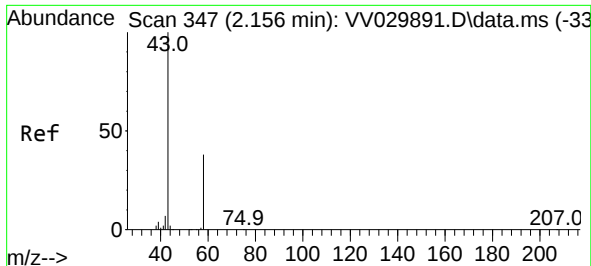
Tgt Ion:101 Resp: 17262
 Ion Ratio Lower Upper
 101 100
 85 42.2 33.7 50.5
 151 74.5 61.0 91.4



#12
 1,1-Dichloroethene
 Concen: 5.956 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV029889.D
 Acq: 18 Jan 2023 10:20

Tgt Ion: 96 Resp: 16185
 Ion Ratio Lower Upper
 96 100
 61 159.3 110.2 204.6
 63 118.1 88.6 164.6





#13

Acetone

Concen: 18.487 ug/L

RT: 2.159 min Scan# 34

Delta R.T. 0.003 min

Lab File: VV029889.D

Acq: 18 Jan 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

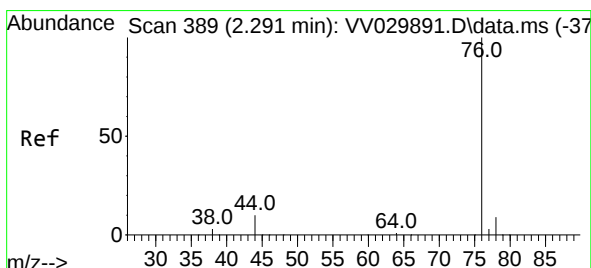
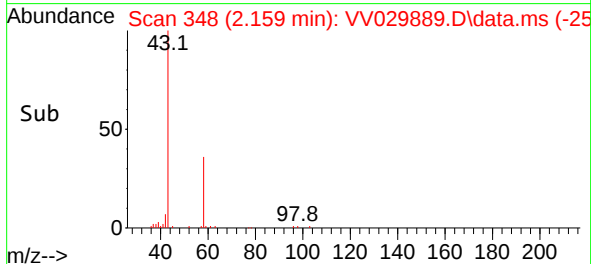
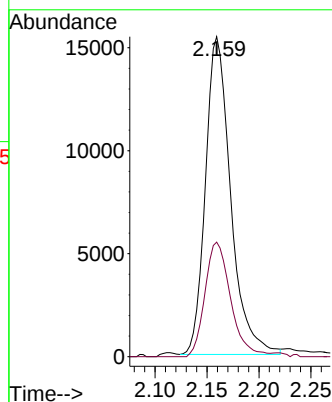
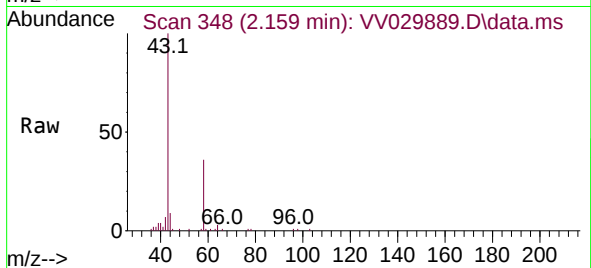
VSTD005202

Tgt Ion: 43 Resp: 26071

Ion Ratio Lower Upper

43 100

58 36.6 0.0 76.0



#14

Carbon disulfide

Concen: 4.852 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.000 min

Lab File: VV029889.D

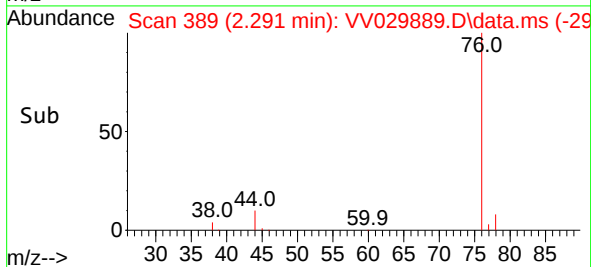
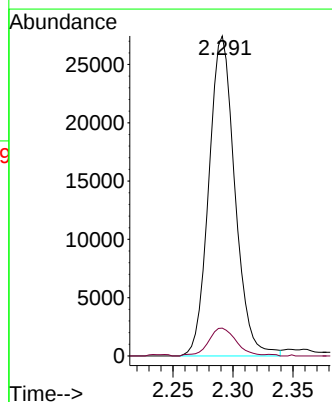
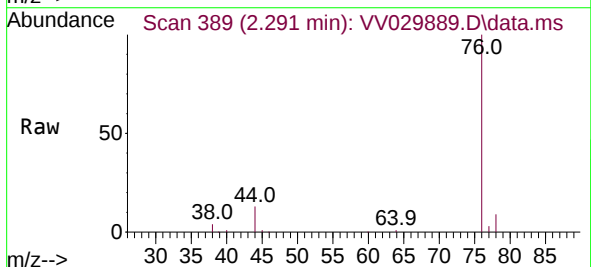
Acq: 18 Jan 2023 10:20

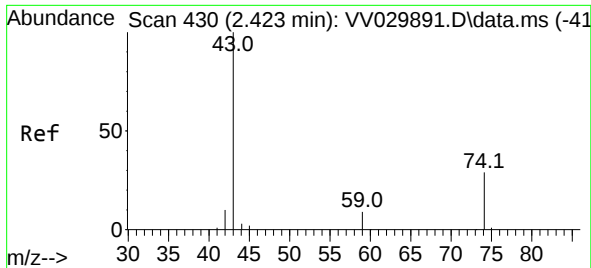
Tgt Ion: 76 Resp: 41465

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0

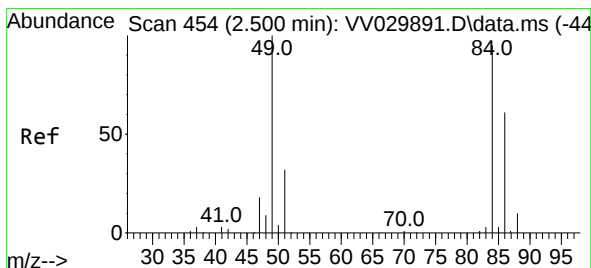
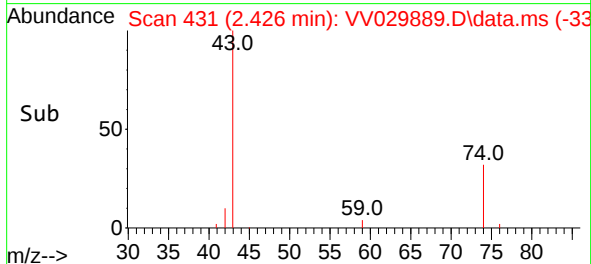
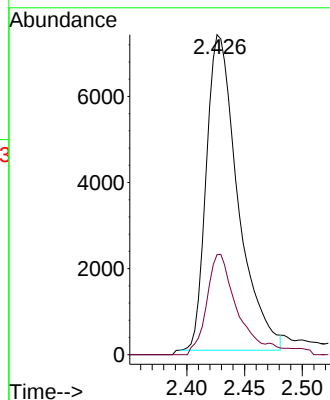
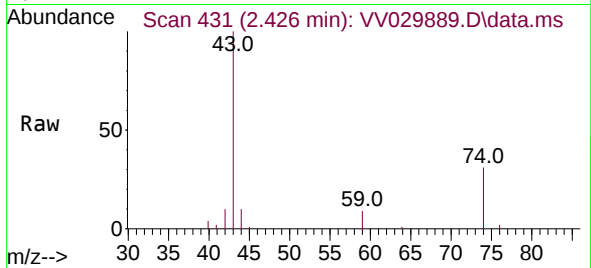




#15
Methyl Acetate
Concen: 5.006 ug/L
RT: 2.426 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

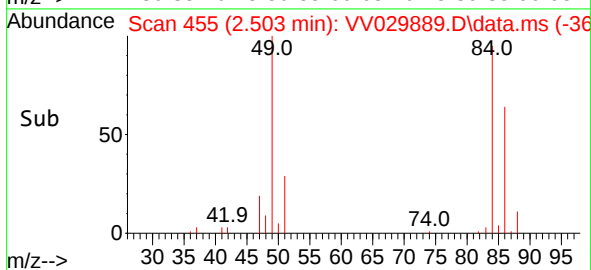
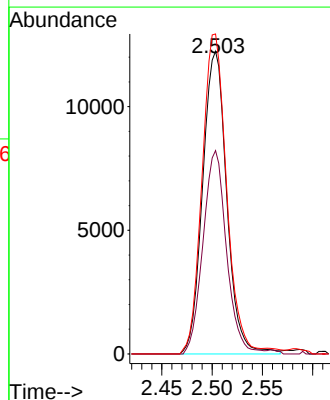
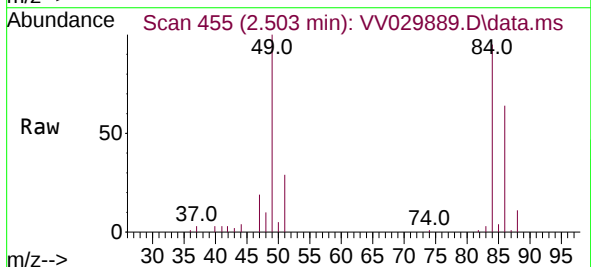
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ClientSampleId :
VSTD005202

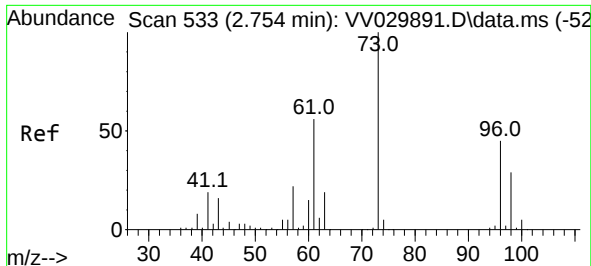
Tgt Ion: 43 Resp: 13929
Ion Ratio Lower Upper
43 100
74 29.6 23.3 34.9



#16
Methylene chloride
Concen: 6.104 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.003 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

Tgt Ion: 84 Resp: 20386
Ion Ratio Lower Upper
84 100
86 67.2 45.3 84.1
49 105.7 74.1 137.5

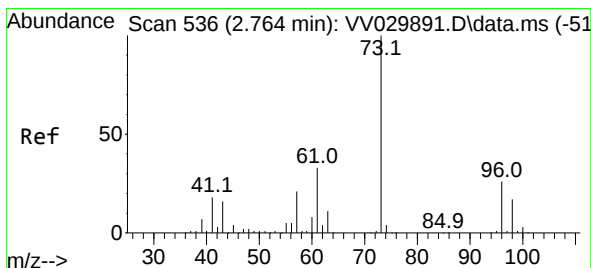
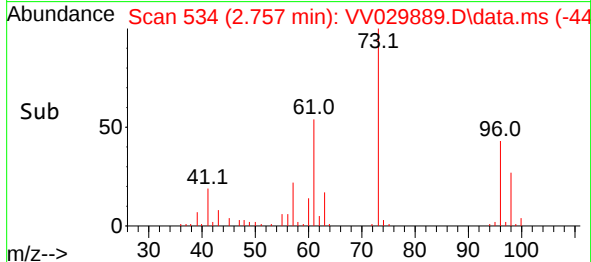
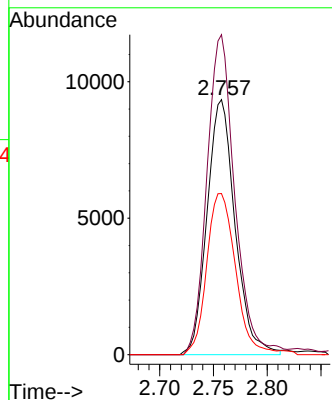
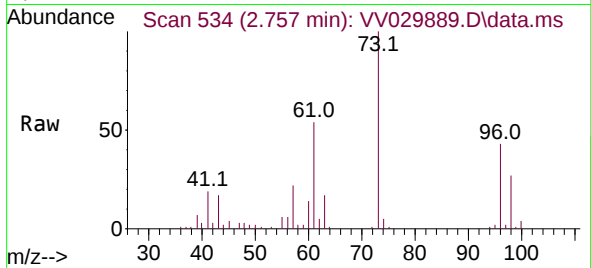




#17
trans-1,2-Dichloroethene
Concen: 5.543 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

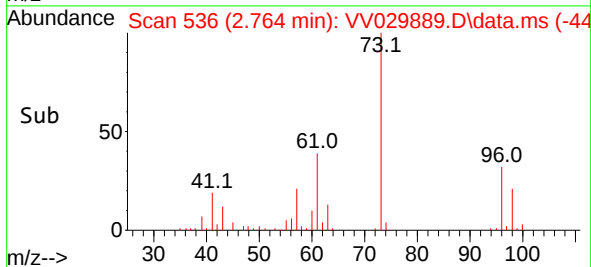
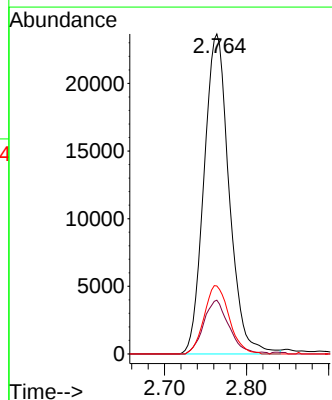
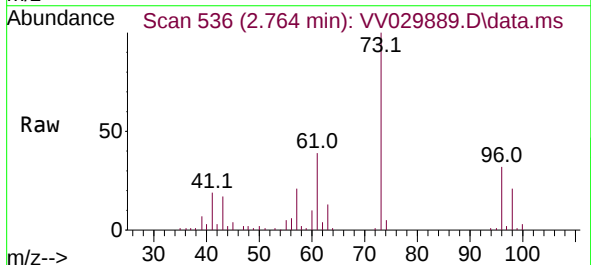
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

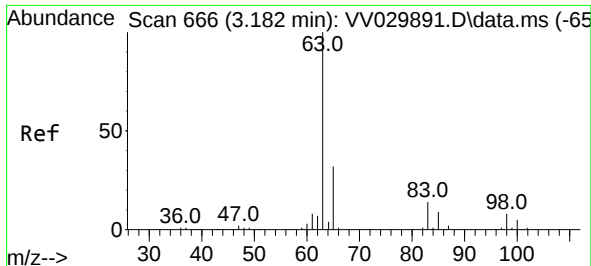
Tgt Ion: 96 Resp: 16965
Ion Ratio Lower Upper
96 100
61 125.5 86.9 161.5
98 63.2 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 5.332 ug/L
RT: 2.764 min Scan# 536
Delta R.T. -0.000 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

Tgt Ion: 73 Resp: 50368
Ion Ratio Lower Upper
73 100
43 16.8 12.8 19.2
57 21.2 17.1 25.7





#19

1,1-Dichloroethane

Concen: 5.886 ug/L

RT: 3.182 min Scan# 666

Delta R.T. -0.000 min

Lab File: VV029889.D

Acq: 18 Jan 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005202

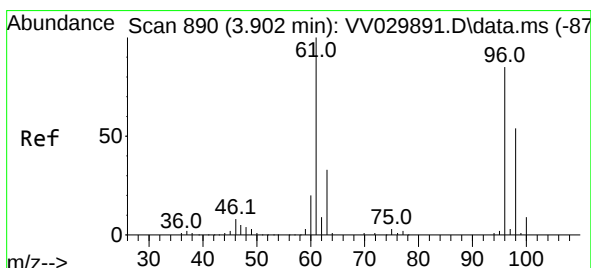
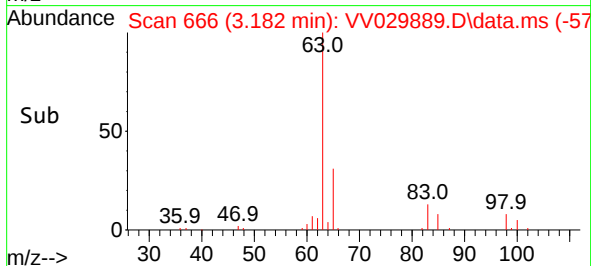
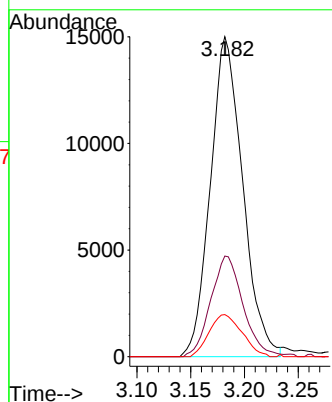
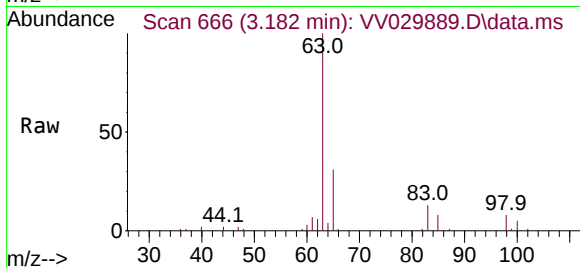
Tgt Ion: 63 Resp: 31344

Ion Ratio Lower Upper

63 100

65 31.5 22.3 41.3

83 13.2 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 5.312 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV029889.D

Acq: 18 Jan 2023 10:20

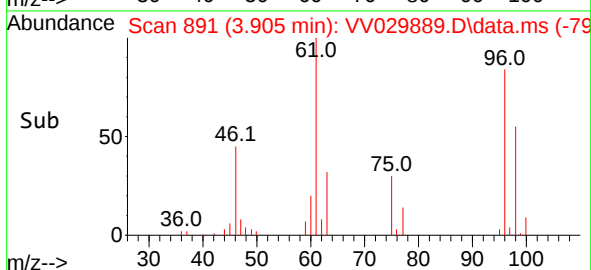
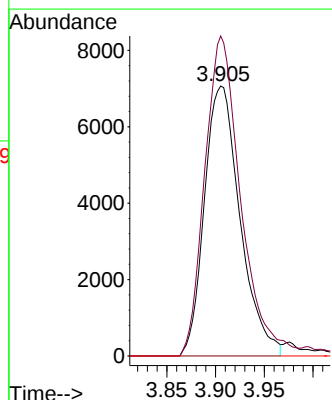
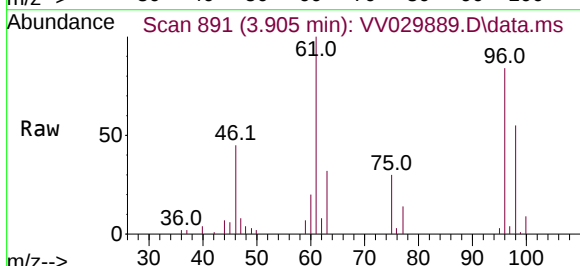
Tgt Ion: 96 Resp: 18022

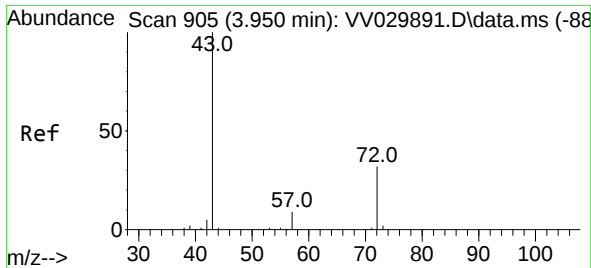
Ion Ratio Lower Upper

96 100

61 118.5 82.5 153.3

68 0.0 0.0 0.0

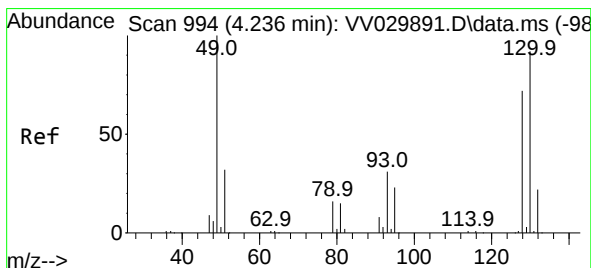
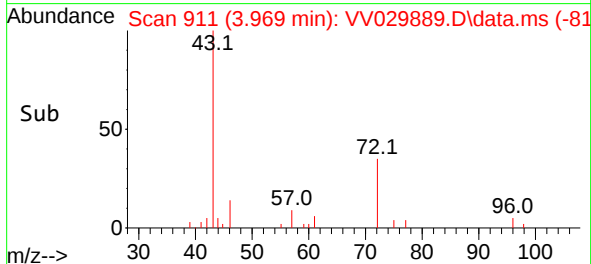
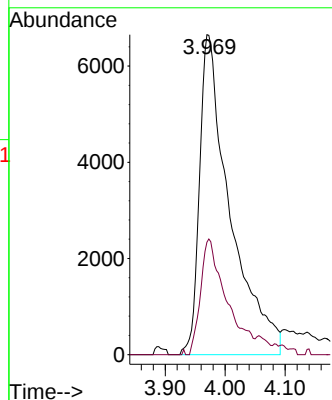
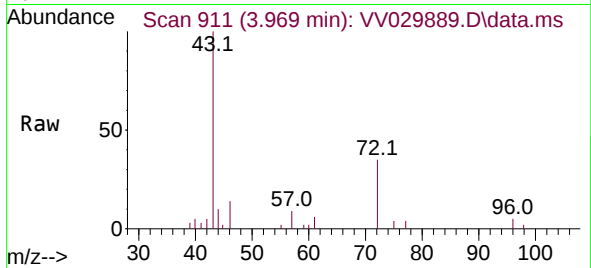




#22
2-Butanone
Concen: 11.655 ug/L
RT: 3.969 min Scan# 911
Delta R.T. 0.019 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

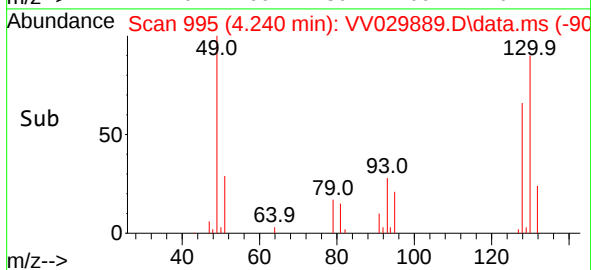
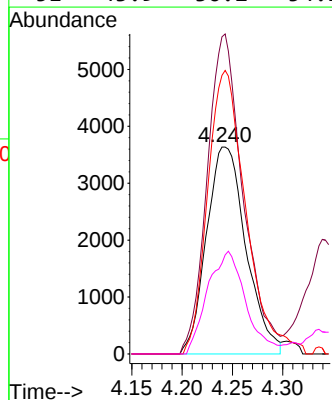
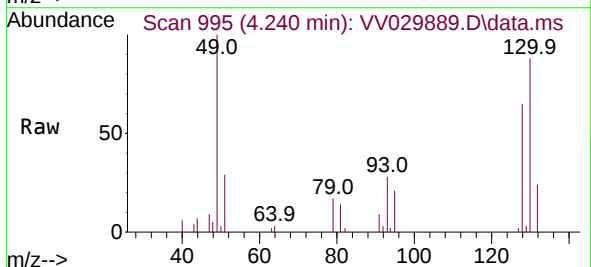
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

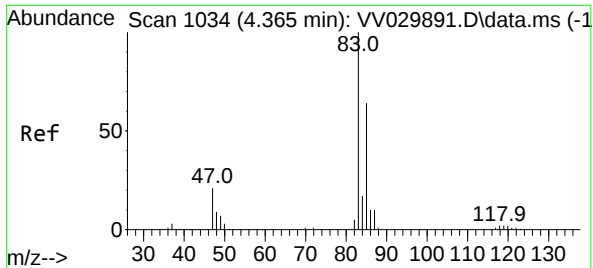
Tgt Ion: 43 Resp: 23494
Ion Ratio Lower Upper
43 100
72 30.7 15.4 46.4



#23
Bromochloromethane
Concen: 5.644 ug/L
RT: 4.240 min Scan# 995
Delta R.T. 0.003 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

Tgt Ion: 128 Resp: 9903
Ion Ratio Lower Upper
128 100
49 153.2 97.3 180.7
130 134.7 89.7 166.5
51 43.9 36.2 54.2

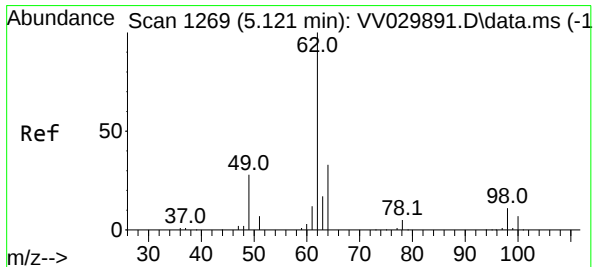
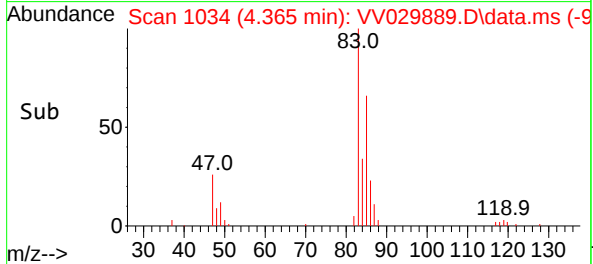
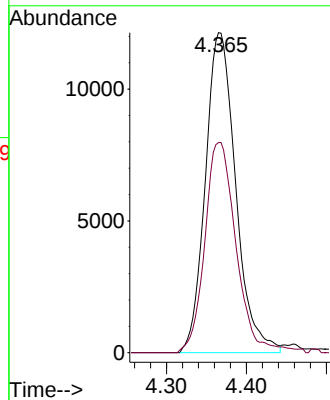
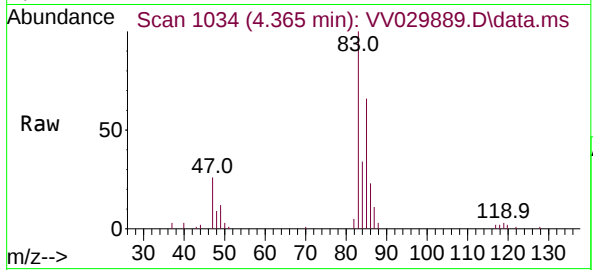




#25
Chloroform
Concen: 5.809 ug/L
RT: 4.365 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

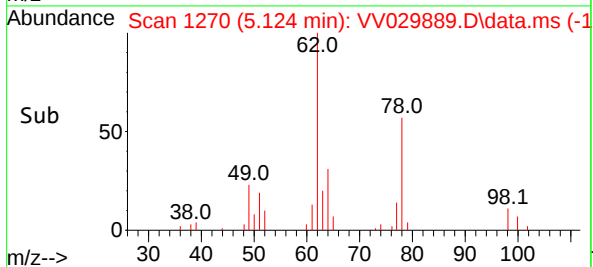
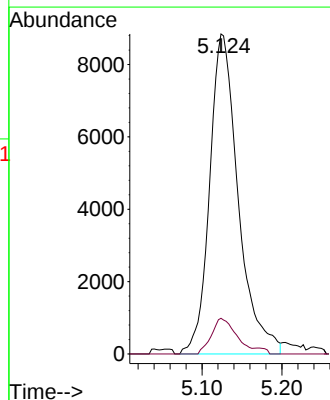
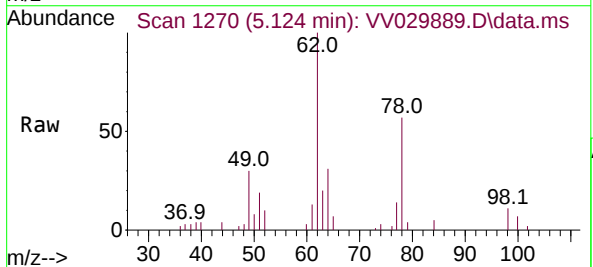
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

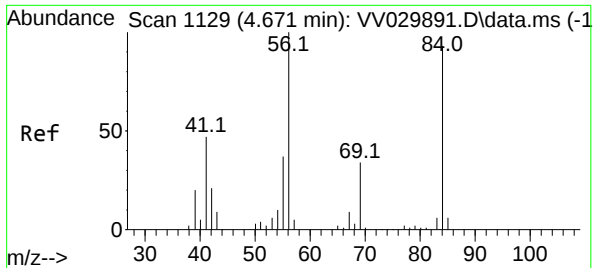
Tgt Ion: 83 Resp: 32055
Ion Ratio Lower Upper
83 100
85 65.7 44.8 83.2



#27
1,2-Dichloroethane
Concen: 5.651 ug/L
RT: 5.124 min Scan# 1270
Delta R.T. 0.003 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

Tgt Ion: 62 Resp: 22005
Ion Ratio Lower Upper
62 100
98 11.2 9.0 13.4

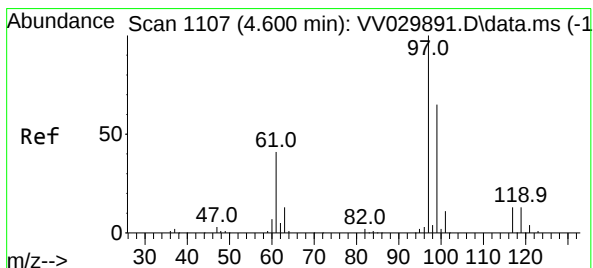
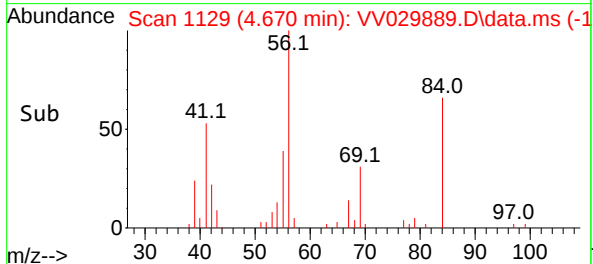
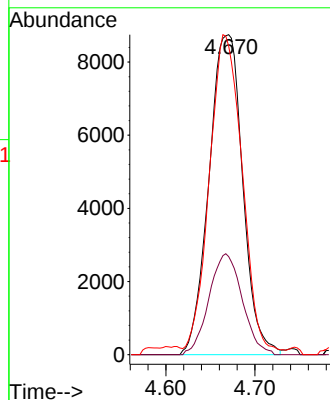
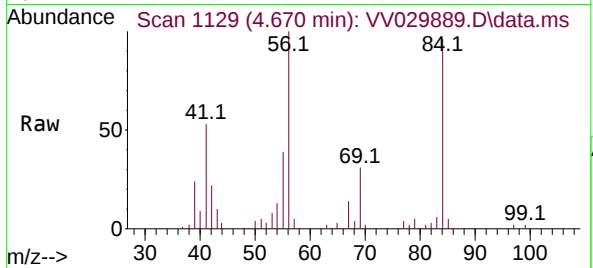




#29
Cyclohexane
Concen: 4.523 ug/L
RT: 4.670 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

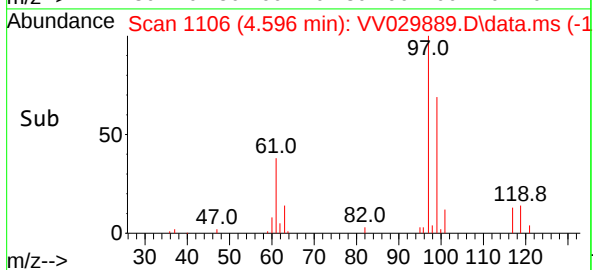
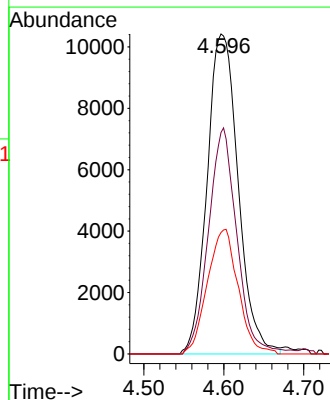
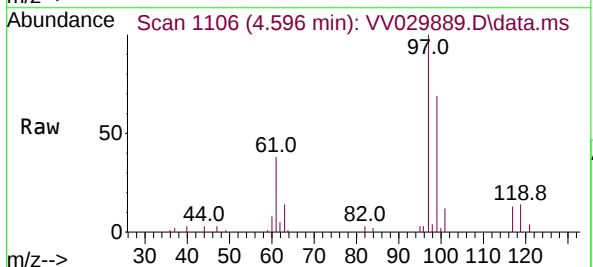
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

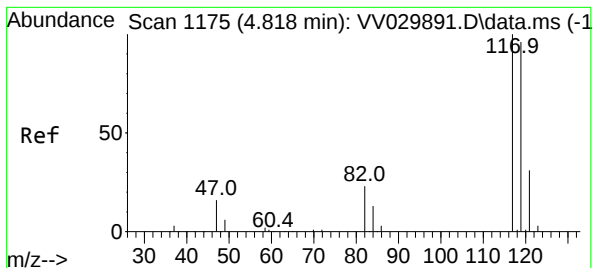
Tgt Ion:	56	Resp:	22986
Ion	Ratio	Lower	Upper
56	100		
69	31.1	26.2	39.4
84	97.9	74.7	112.1



#30
1,1,1-Trichloroethane
Concen: 5.413 ug/L
RT: 4.596 min Scan# 1106
Delta R.T. -0.003 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

Tgt Ion:	97	Resp:	28175
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.9	77.9
61	38.5	32.2	48.2





#31

Carbon tetrachloride

Concen: 5.168 ug/L

RT: 4.818 min Scan# 1175

Delta R.T. -0.000 min

Lab File: VV029889.D

Acq: 18 Jan 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

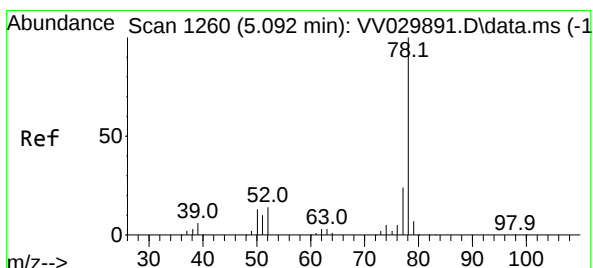
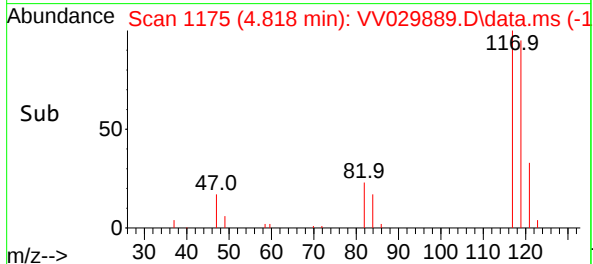
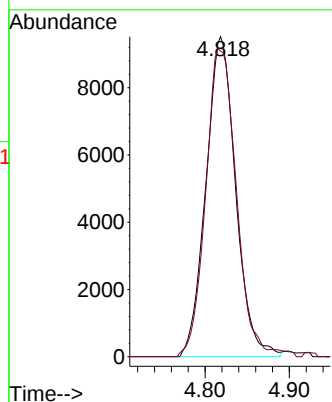
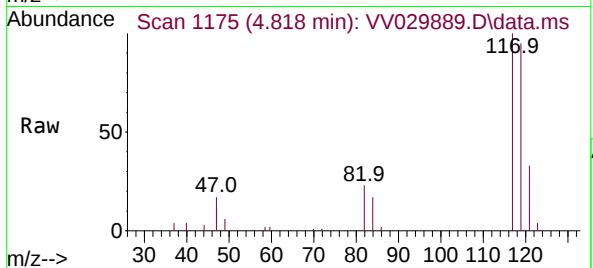
VSTD005202

Tgt Ion:117 Resp: 23314

Ion Ratio Lower Upper

117 100

119 98.1 77.9 116.9



#33

Benzene

Concen: 5.060 ug/L

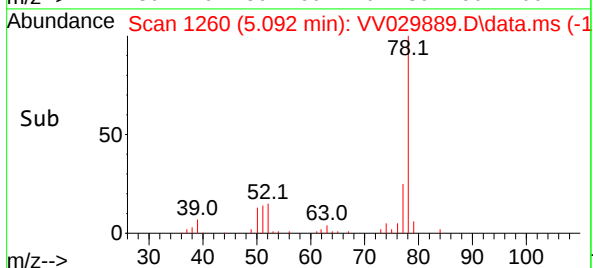
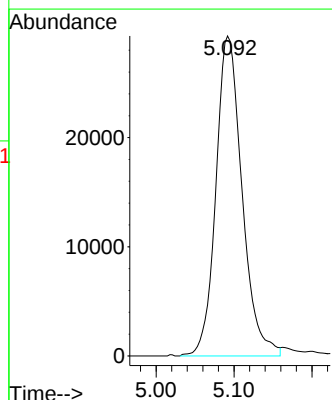
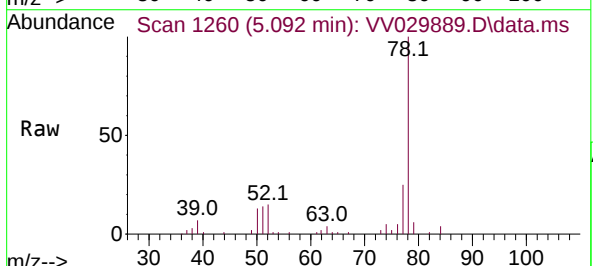
RT: 5.092 min Scan# 1260

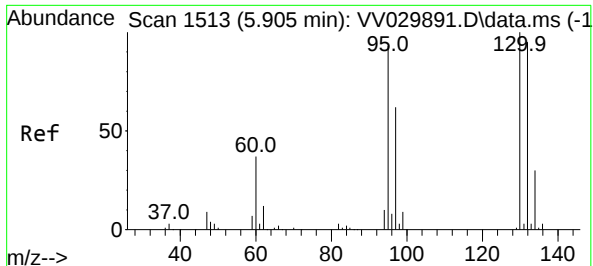
Delta R.T. -0.000 min

Lab File: VV029889.D

Acq: 18 Jan 2023 10:20

Tgt Ion: 78 Resp: 68409

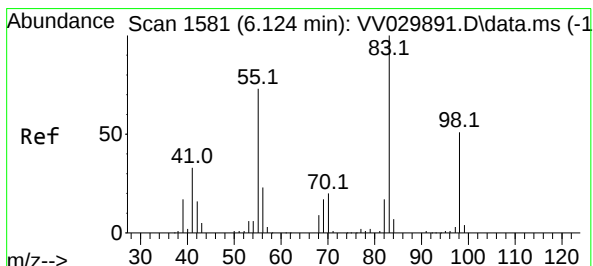
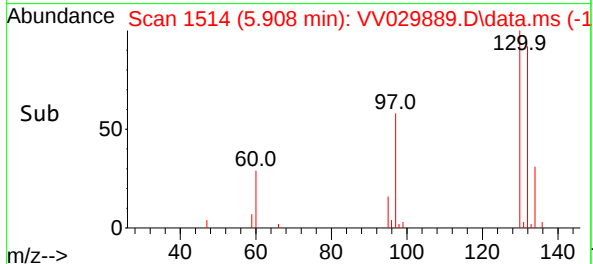
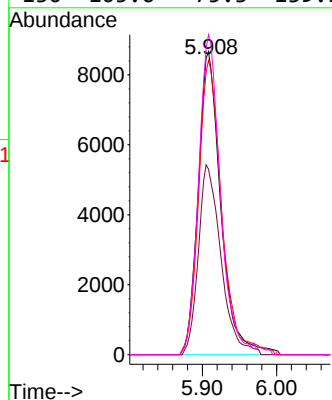
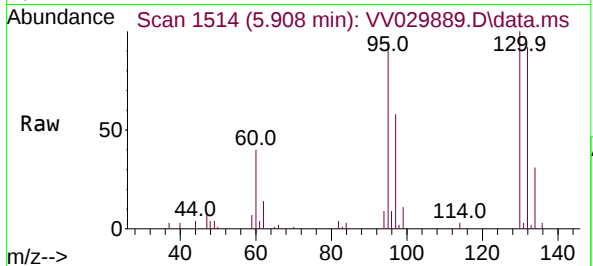




#34
Trichloroethene
Concen: 5.465 ug/L
RT: 5.908 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

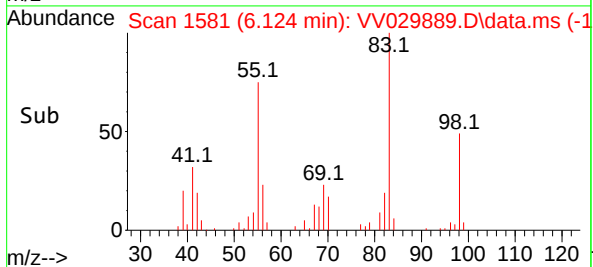
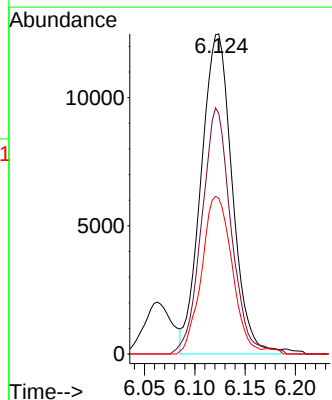
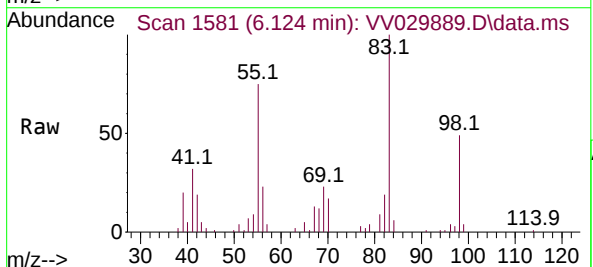
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

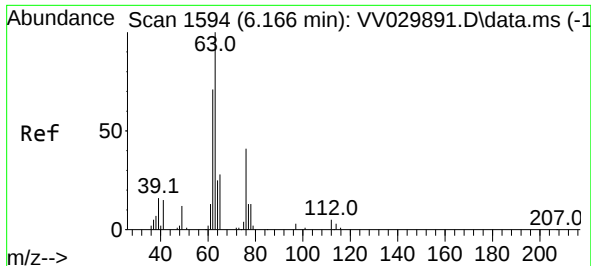
Tgt Ion: 95 Resp: 18379
Ion Ratio Lower Upper
95 100
97 61.2 46.5 86.5
132 97.1 71.8 133.4
130 105.6 75.3 139.9



#35
Methylcyclohexane
Concen: 4.722 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. -0.000 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

Tgt Ion: 83 Resp: 26862
Ion Ratio Lower Upper
83 100
55 72.8 56.2 84.2
98 48.0 38.5 57.7





#37

1,2-Dichloropropane

Concen: 5.507 ug/L

RT: 6.166 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV029889.D

Acq: 18 Jan 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

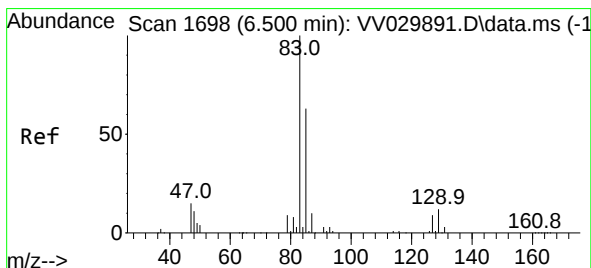
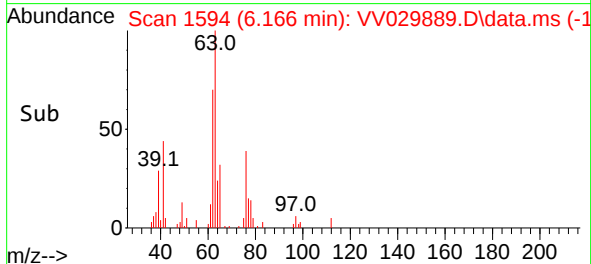
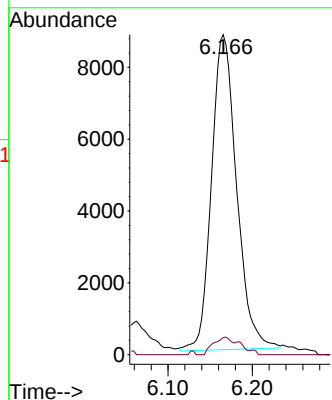
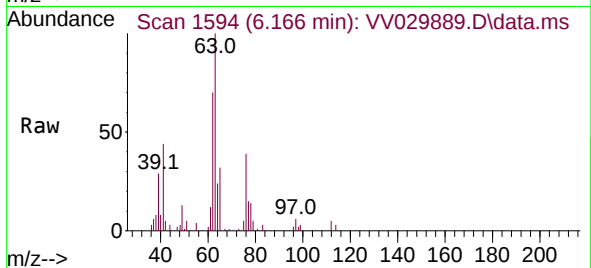
VSTD005202

Tgt Ion: 63 Resp: 18143

Ion Ratio Lower Upper

63 100

112 4.2 3.8 5.6



#38

Bromodichloromethane

Concen: 5.333 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VV029889.D

Acq: 18 Jan 2023 10:20

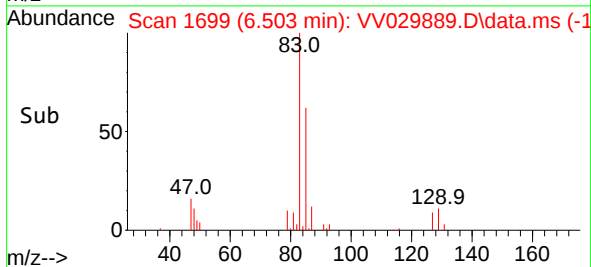
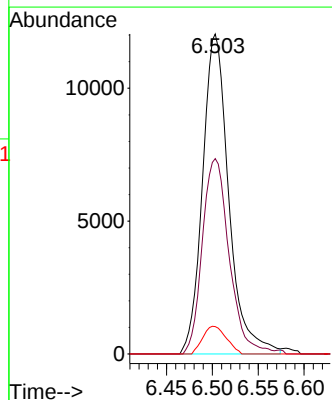
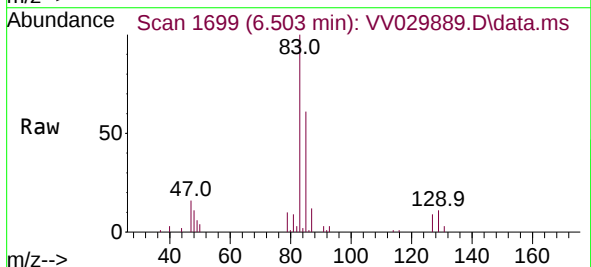
Tgt Ion: 83 Resp: 23992

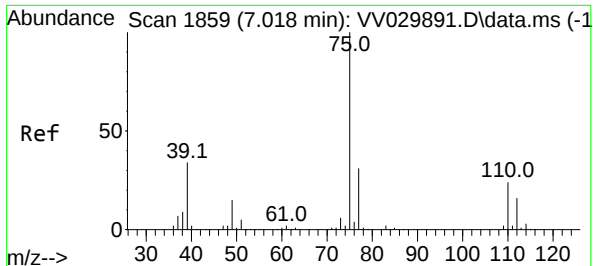
Ion Ratio Lower Upper

83 100

85 61.1 44.2 82.0

127 8.5 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.500 ug/L

RT: 7.024 min Scan# 1859

Delta R.T. 0.006 min

Lab File: VV029889.D

Acq: 18 Jan 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

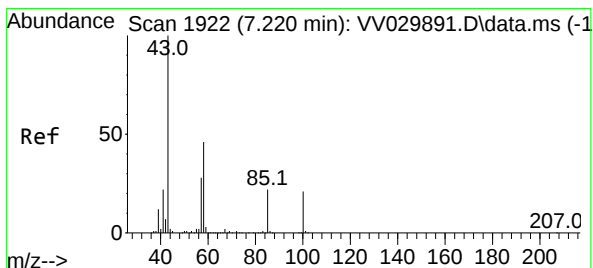
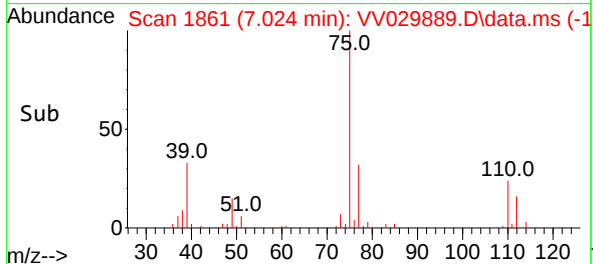
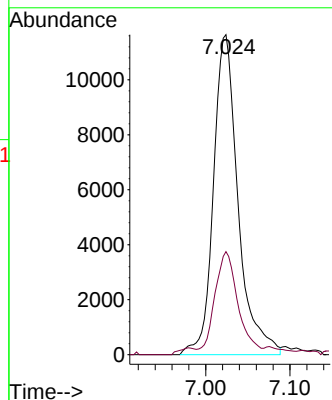
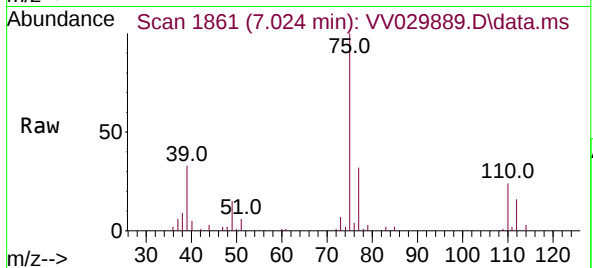
VSTD005202

Tgt Ion: 75 Resp: 23626

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 9.062 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV029889.D

Acq: 18 Jan 2023 10:20

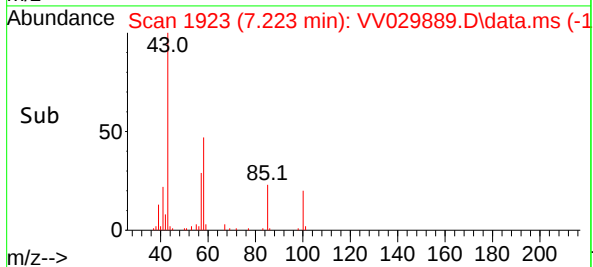
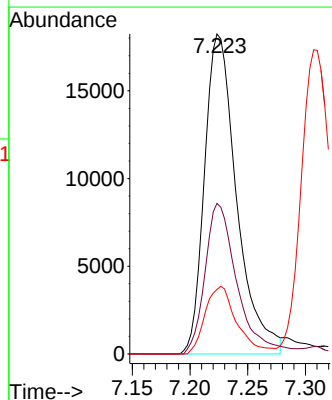
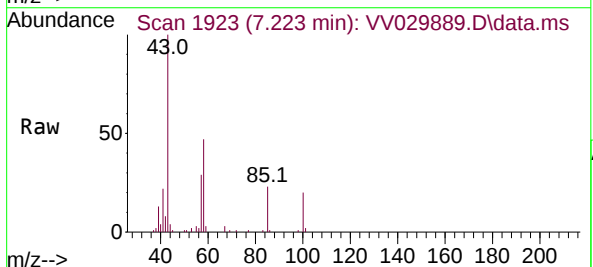
Tgt Ion: 43 Resp: 35350

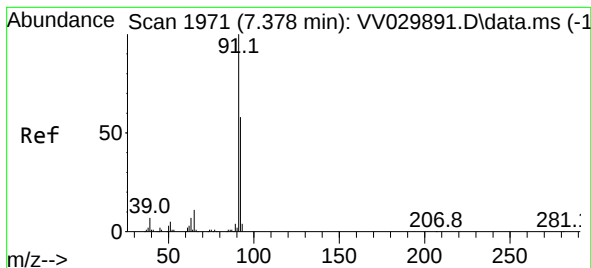
Ion Ratio Lower Upper

43 100

58 46.7 37.0 55.6

100 21.0 16.2 24.2





#42

Toluene

Concen: 4.857 ug/L

RT: 7.381 min Scan# 1971

Delta R.T. 0.003 min

Lab File: VV029889.D

Acq: 18 Jan 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

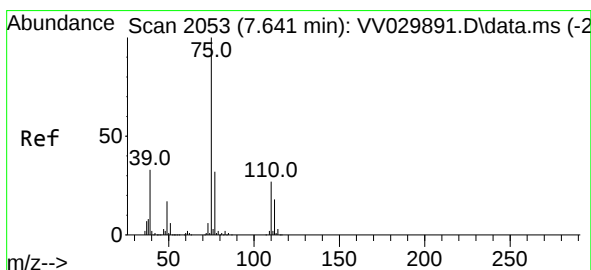
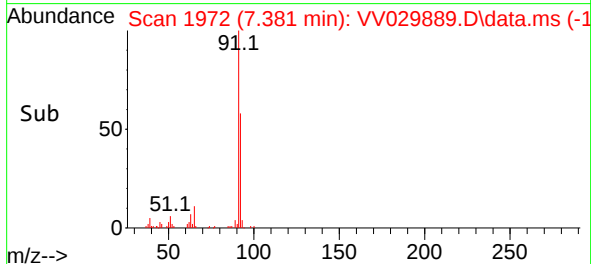
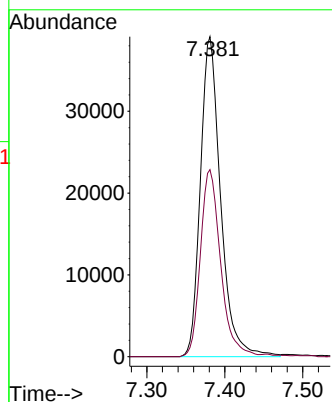
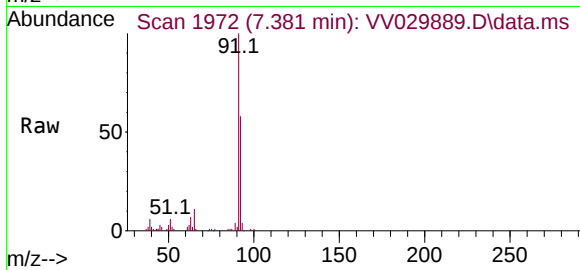
VSTD005202

Tgt Ion: 91 Resp: 70523

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 4.302 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. 0.003 min

Lab File: VV029889.D

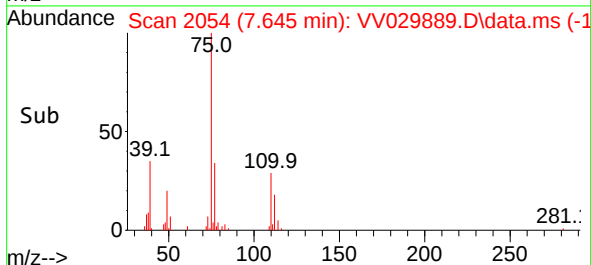
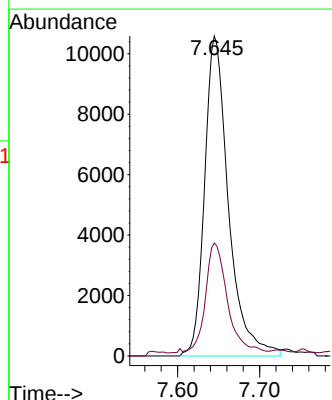
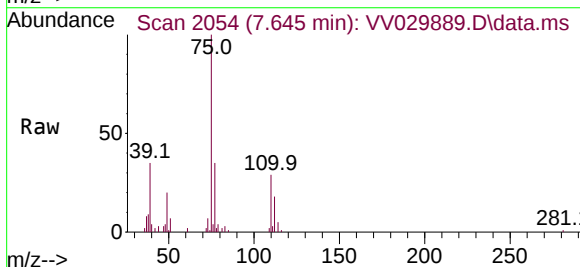
Acq: 18 Jan 2023 10:20

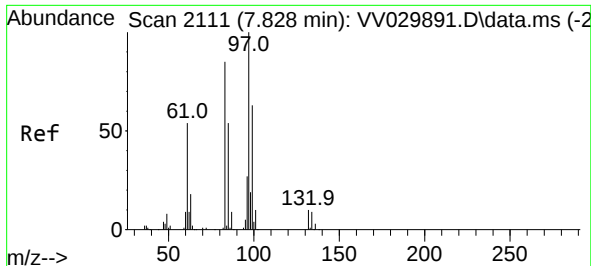
Tgt Ion: 75 Resp: 21413

Ion Ratio Lower Upper

75 100

77 35.3 22.4 41.6

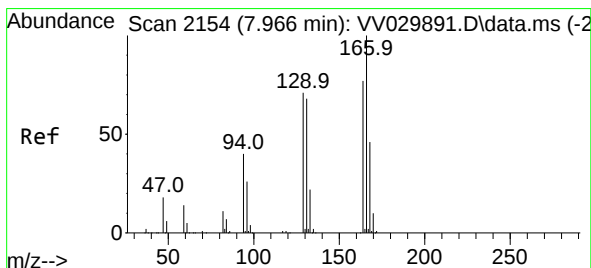
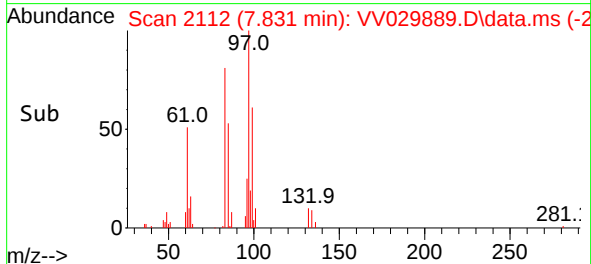
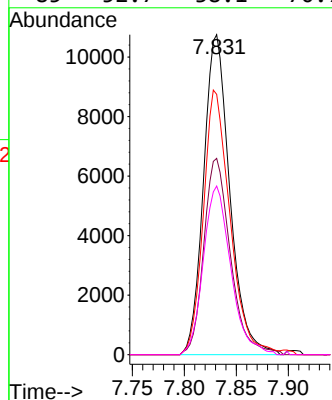
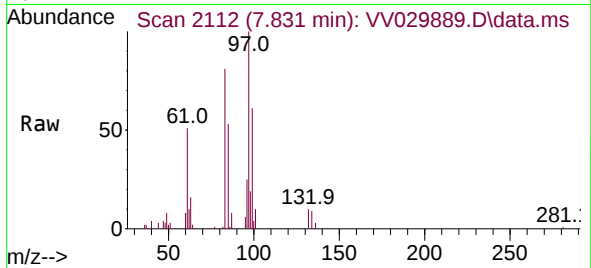




#45
1,1,2-Trichloroethane
Concen: 5.579 ug/L
RT: 7.831 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

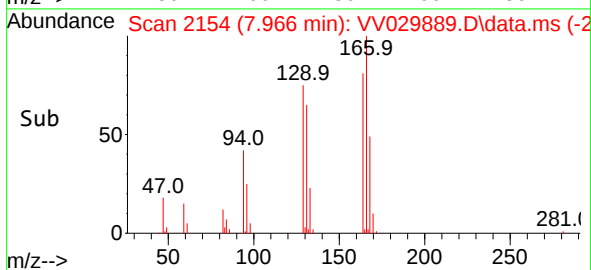
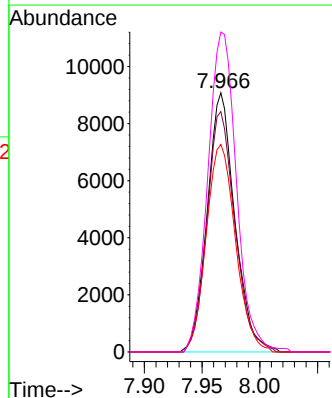
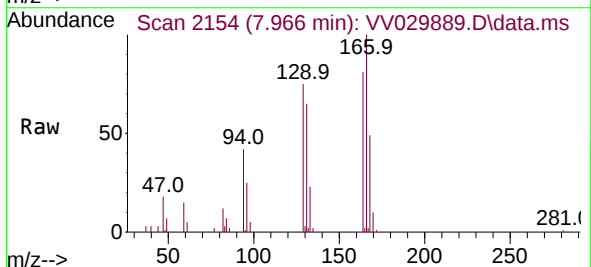
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

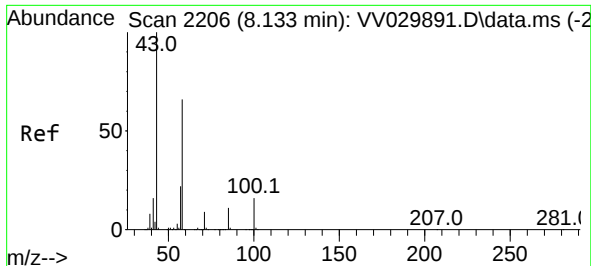
Tgt Ion: 97	Resp: 18941
Ion Ratio	Lower Upper
97 100	
99 61.3	43.9 81.5
83 81.4	59.5 110.5
85 52.7	38.1 70.7



#46
Tetrachloroethene
Concen: 5.586 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.000 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

Tgt Ion: 164	Resp: 15149
Ion Ratio	Lower Upper
164 100	
129 92.7	64.6 120.0
131 80.0	61.8 114.8
166 123.4	90.9 168.9

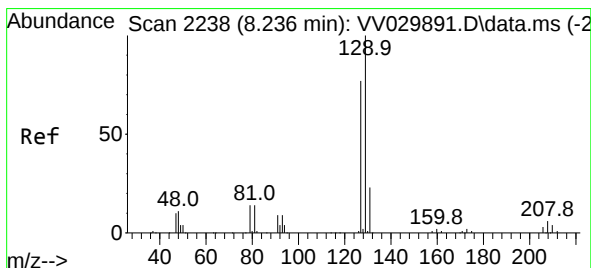
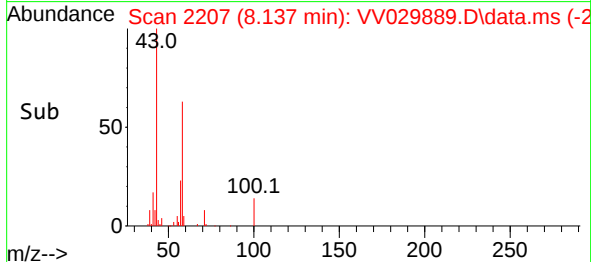
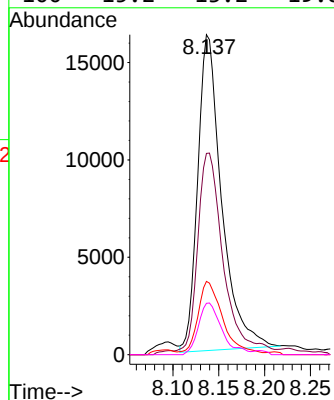
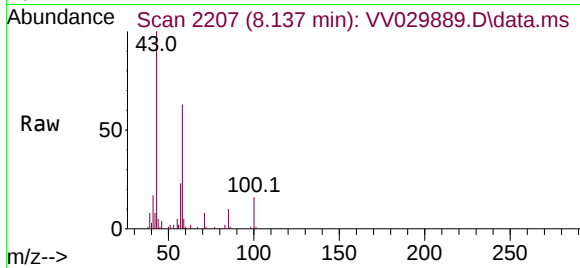




#48
2-Hexanone
Concen: 9.726 ug/L
RT: 8.137 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

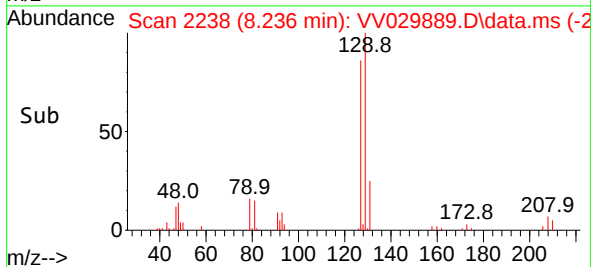
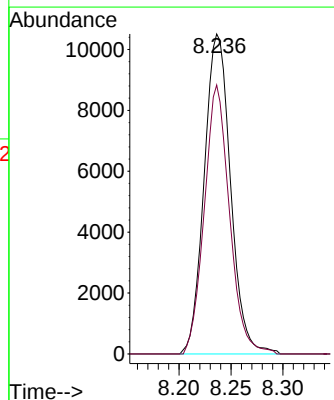
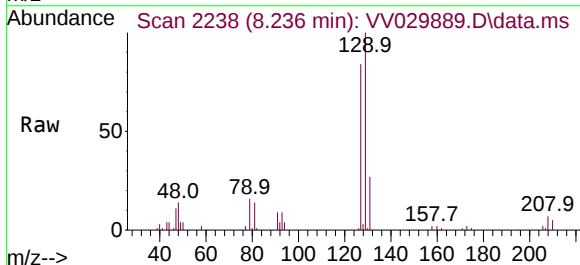
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

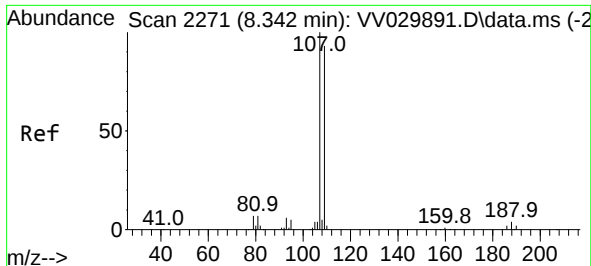
Tgt Ion:	43	Resp:	29536
Ion	Ratio	Lower	Upper
43	100		
58	64.2	53.2	79.8
57	24.2	17.6	26.4
100	15.2	13.2	19.8



#49
Dibromochloromethane
Concen: 5.011 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. -0.000 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

Tgt Ion:	129	Resp:	18537
Ion	Ratio	Lower	Upper
129	100		
127	84.0	53.5	99.5





#50

1,2-Dibromoethane

Concen: 5.163 ug/L

RT: 8.346 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV029889.D

Acq: 18 Jan 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005202

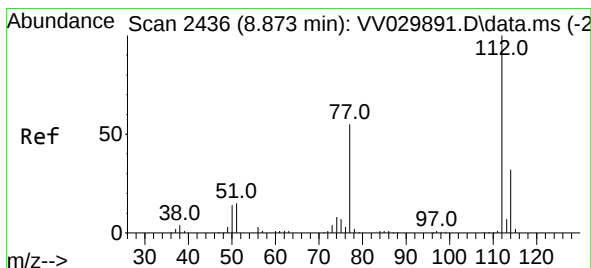
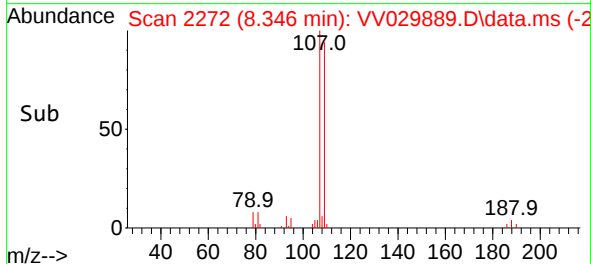
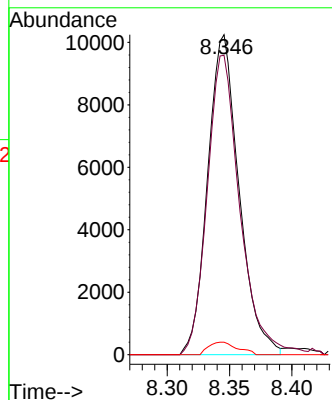
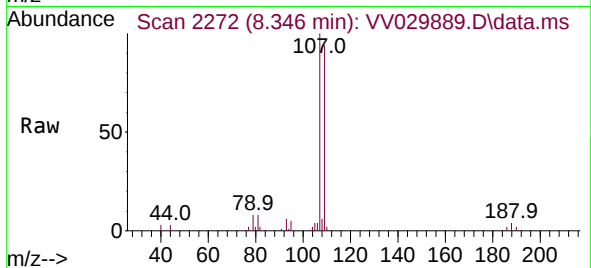
Tgt Ion:107 Resp: 17976

Ion Ratio Lower Upper

107 100

109 93.6 65.5 121.6

188 3.9 3.4 5.0



#51

Chlorobenzene

Concen: 5.555 ug/L

RT: 8.870 min Scan# 2435

Delta R.T. -0.003 min

Lab File: VV029889.D

Acq: 18 Jan 2023 10:20

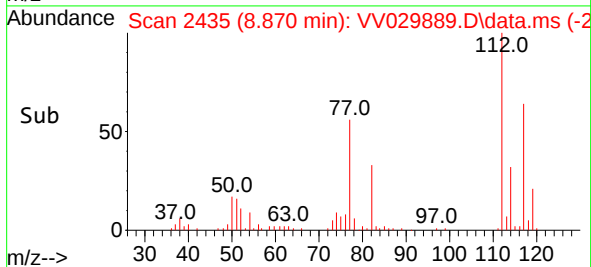
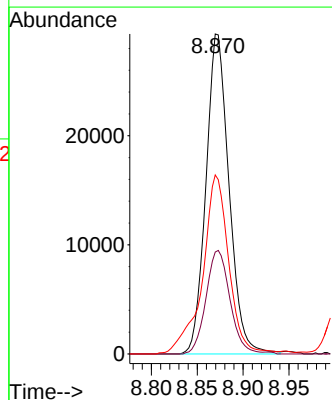
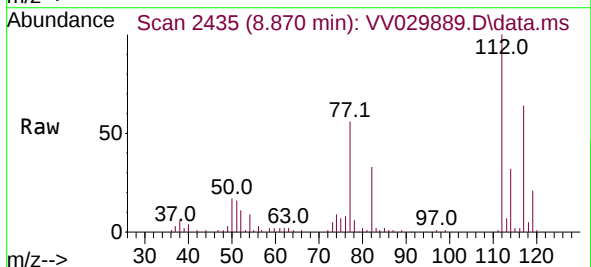
Tgt Ion:112 Resp: 51449

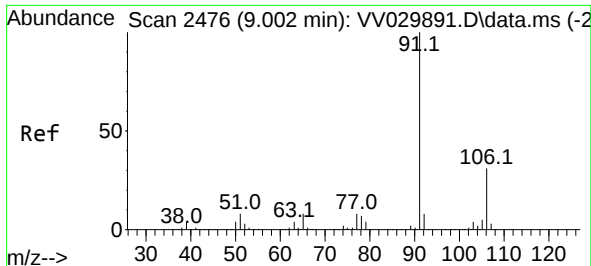
Ion Ratio Lower Upper

112 100

114 31.8 22.6 42.0

77 55.9 44.6 66.8





#52

Ethylbenzene

Concen: 4.943 ug/L

RT: 9.005 min Scan# 24

Delta R.T. 0.003 min

Lab File: VV029889.D

Acq: 18 Jan 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

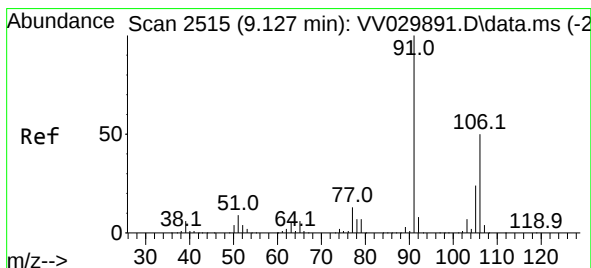
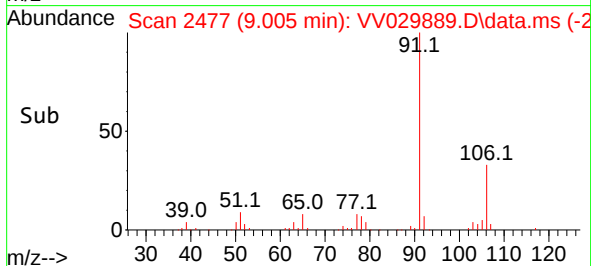
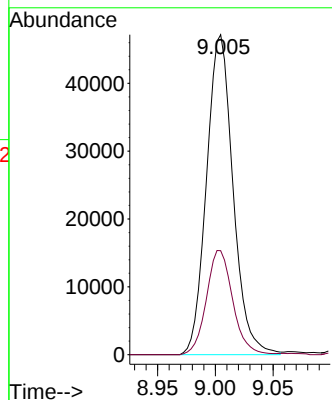
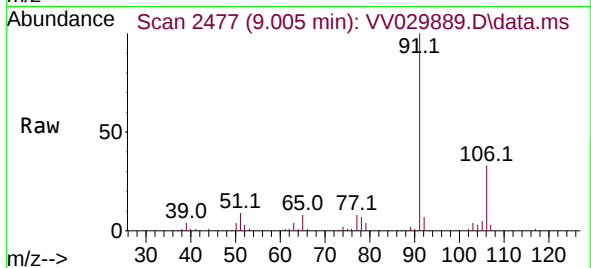
VSTD005202

Tgt Ion: 91 Resp: 75414

Ion Ratio Lower Upper

91 100

106 32.5 22.0 40.8



#53

m,p-Xylene

Concen: 4.993 ug/L

RT: 9.130 min Scan# 2516

Delta R.T. 0.003 min

Lab File: VV029889.D

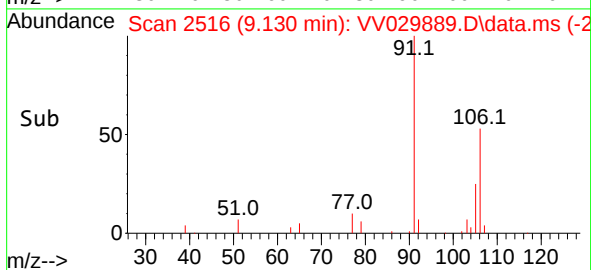
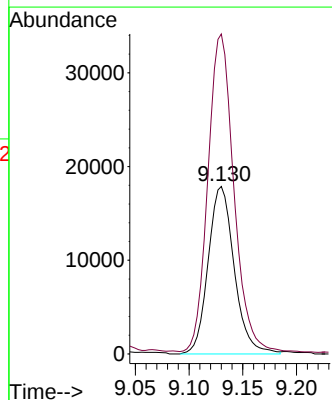
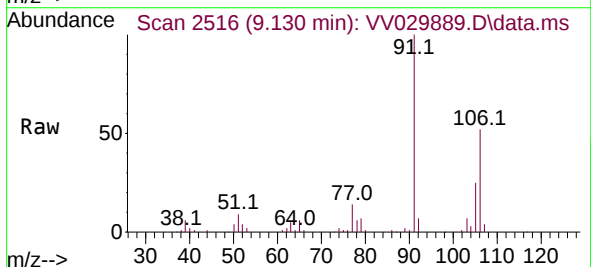
Acq: 18 Jan 2023 10:20

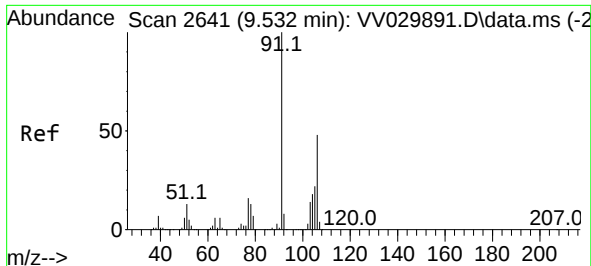
Tgt Ion:106 Resp: 30184

Ion Ratio Lower Upper

106 100

91 191.0 138.9 258.1

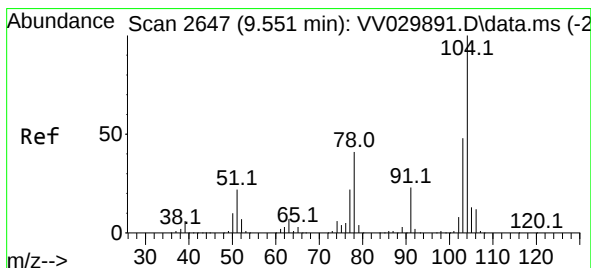
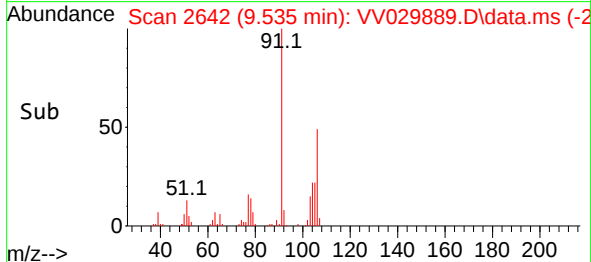
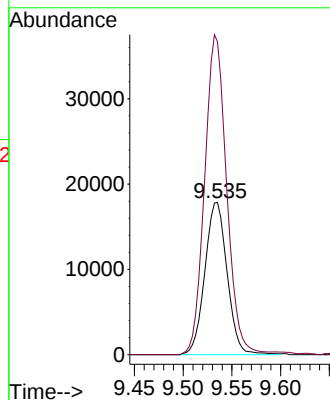
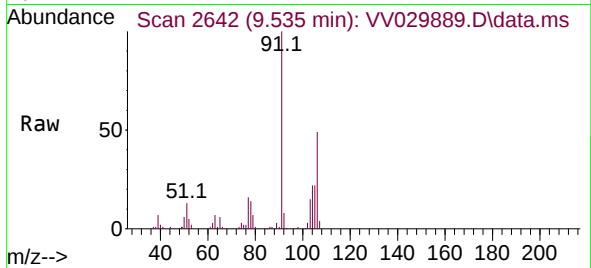




#54
o-Xylene
Concen: 4.768 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.003 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

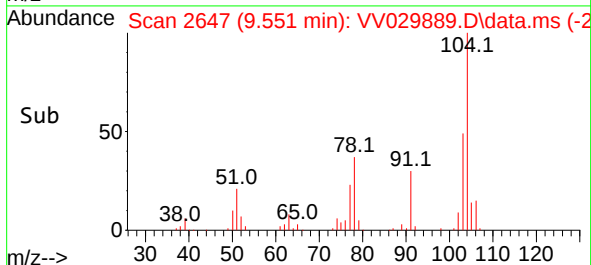
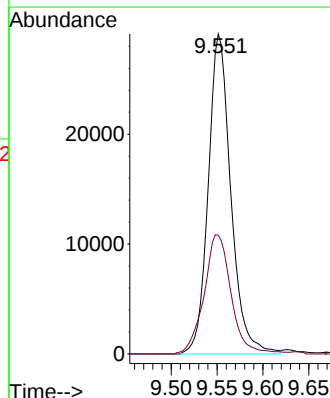
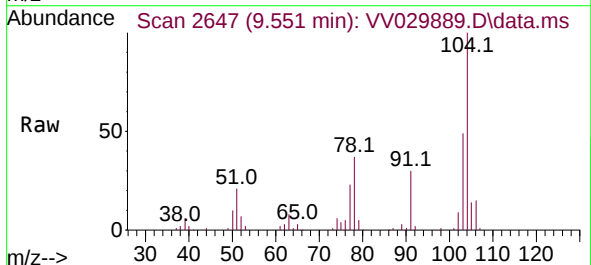
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

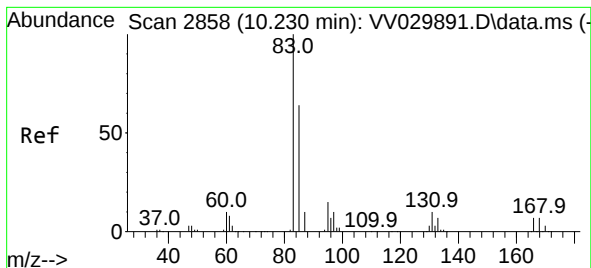
Tgt Ion:106 Resp: 28439
Ion Ratio Lower Upper
106 100
91 205.7 146.2 271.6



#55
Styrene
Concen: 4.764 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. -0.000 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

Tgt Ion:104 Resp: 49978
Ion Ratio Lower Upper
104 100
78 37.1 28.6 53.0

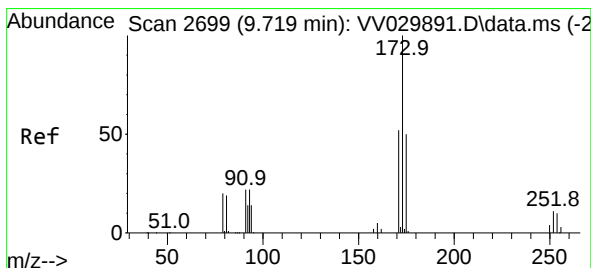
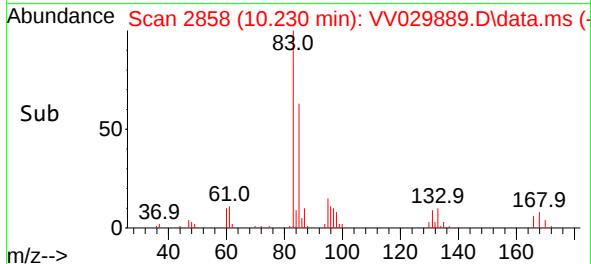
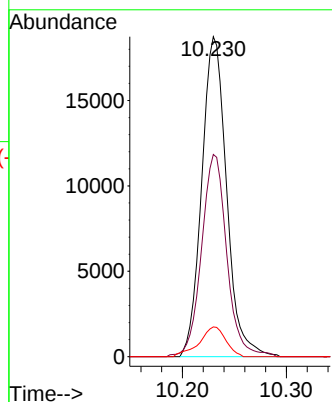
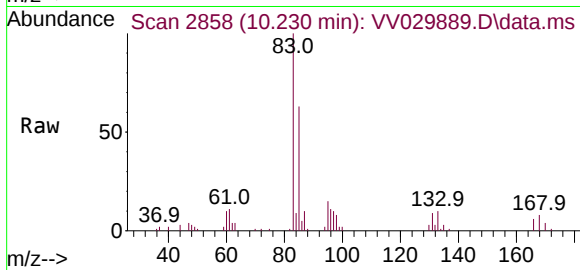




#57
1,1,2,2-Tetrachloroethane
Concen: 5.704 ug/L
RT: 10.230 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

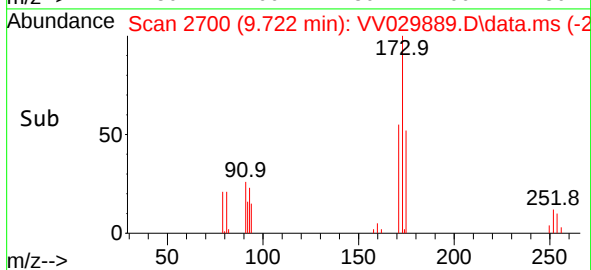
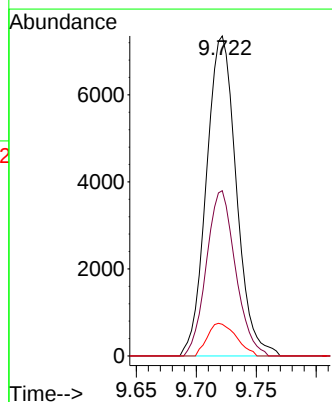
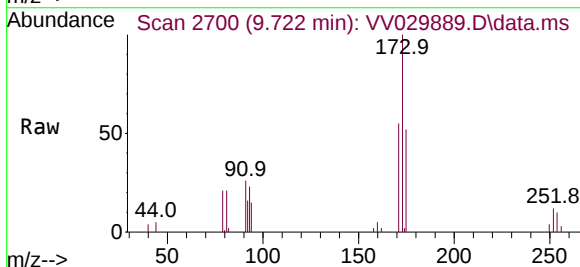
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

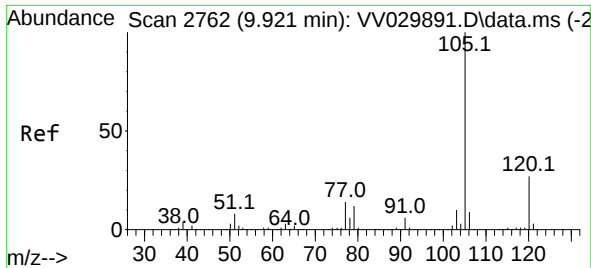
Tgt Ion:	83	Resp:	31161
Ion	Ratio	Lower	Upper
83	100		
85	63.2	44.9	83.3
131	9.3	8.1	12.1



#59
Bromoform
Concen: 4.248 ug/L
RT: 9.722 min Scan# 2700
Delta R.T. 0.003 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

Tgt Ion:	173	Resp:	12758
Ion	Ratio	Lower	Upper
173	100		
175	50.2	39.5	59.3
254	9.8	8.2	12.2

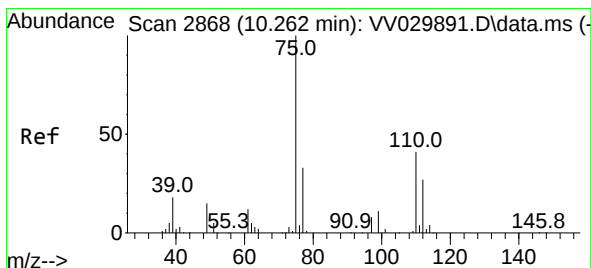
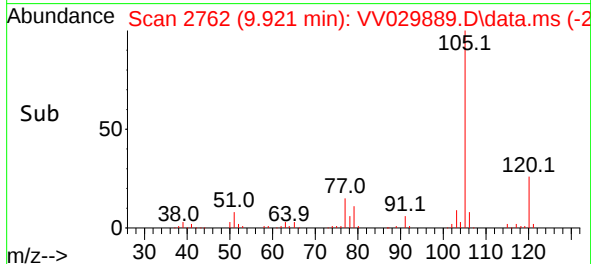
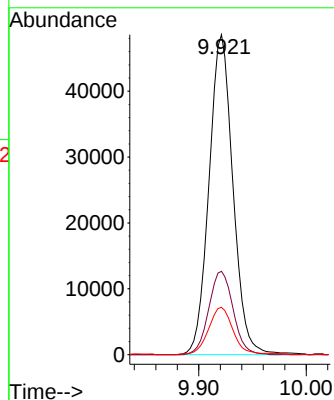
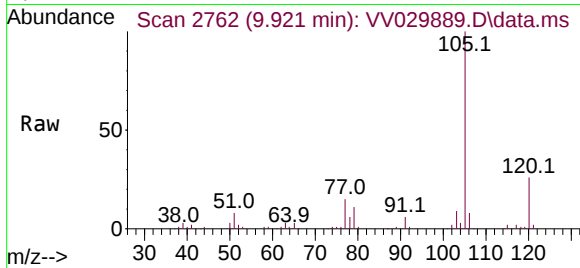




#60
Isopropylbenzene
Concen: 4.605 ug/L
RT: 9.921 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

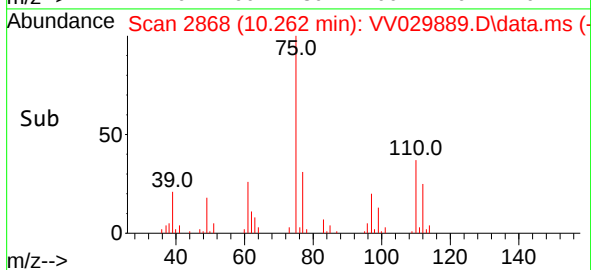
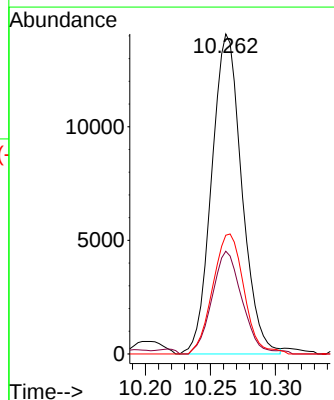
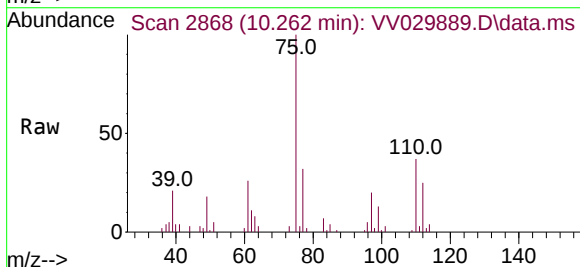
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

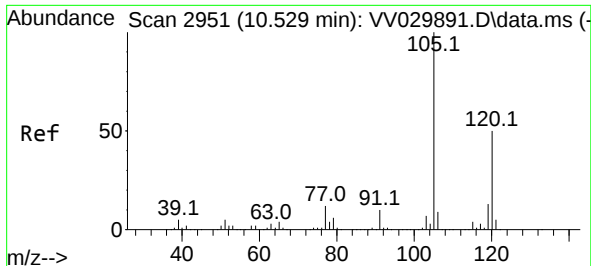
Tgt Ion:105 Resp: 75005
Ion Ratio Lower Upper
105 100
120 26.5 21.4 32.2
77 15.1 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 5.247 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.000 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

Tgt Ion: 75 Resp: 22714
Ion Ratio Lower Upper
75 100
77 31.8 25.9 38.9
110 38.8 32.3 48.5





#62

1,3,5-Trimethylbenzene

Concen: 4.218 ug/L

RT: 10.525 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VV029889.D

Acq: 18 Jan 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

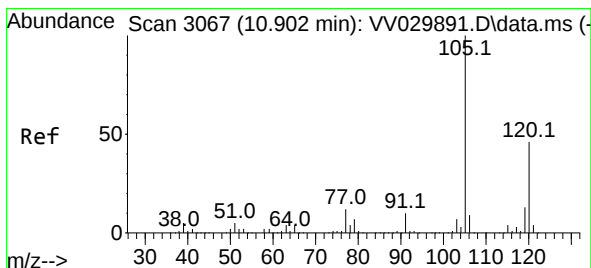
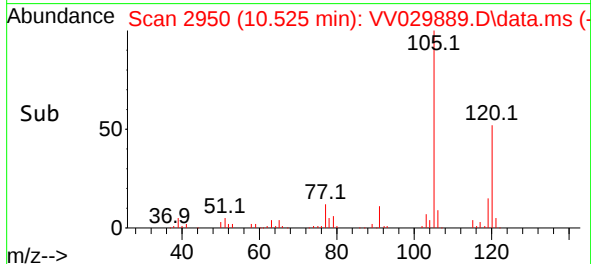
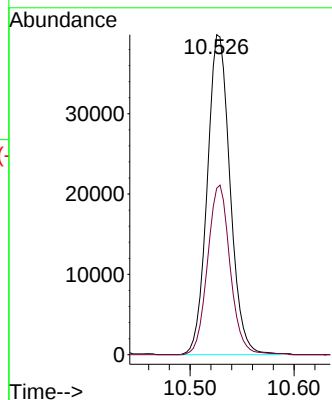
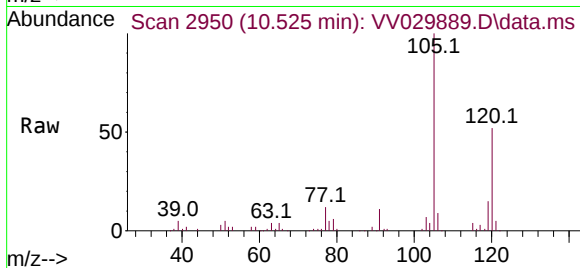
VSTD005202

Tgt Ion:105 Resp: 60721

Ion Ratio Lower Upper

105 100

120 52.6 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 4.241 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. -0.000 min

Lab File: VV029889.D

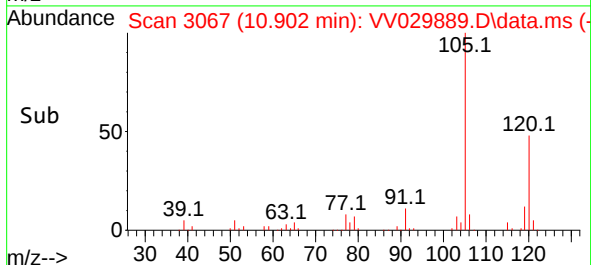
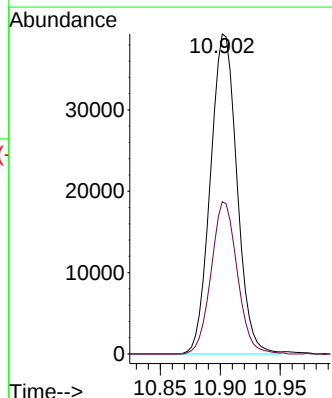
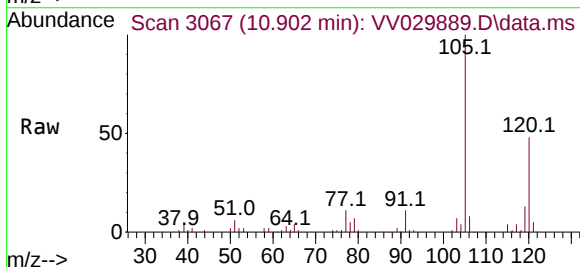
Acq: 18 Jan 2023 10:20

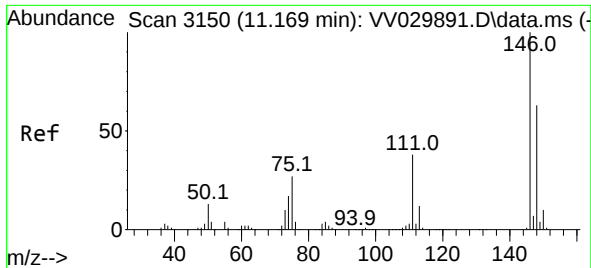
Tgt Ion:105 Resp: 60505

Ion Ratio Lower Upper

105 100

120 46.9 37.0 55.6

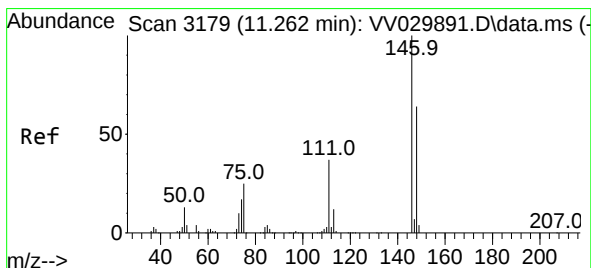
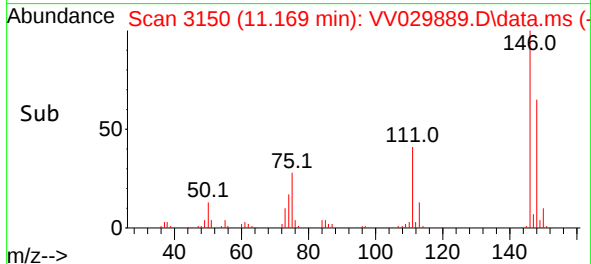
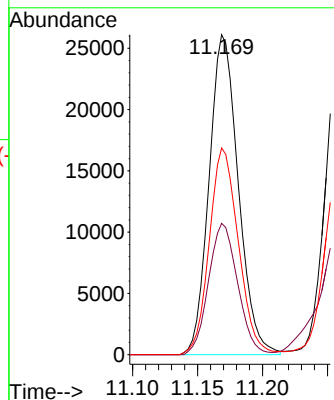
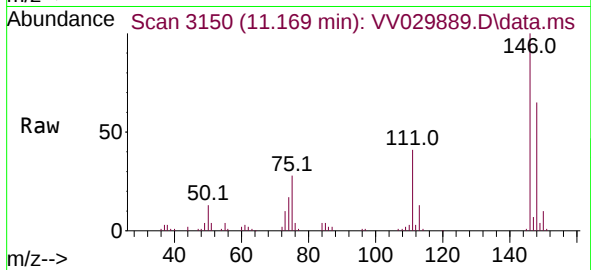




#64
1,3-Dichlorobenzene
Concen: 5.051 ug/L
RT: 11.169 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

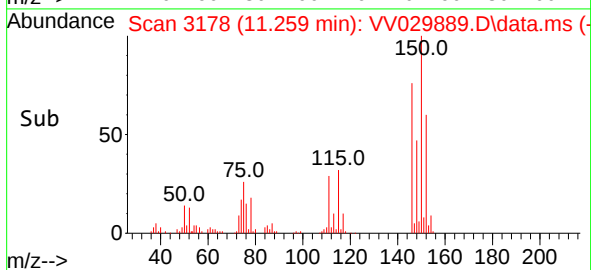
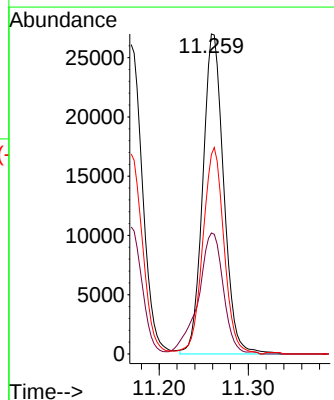
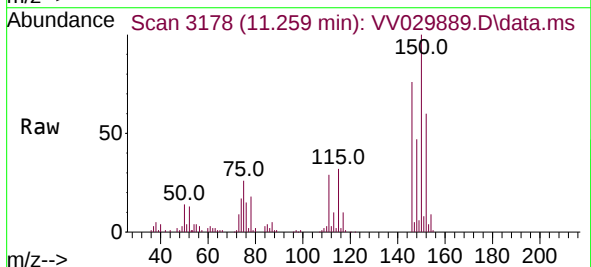
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

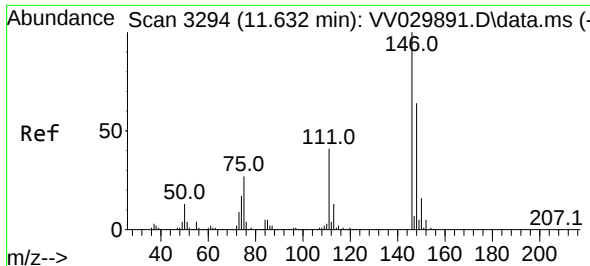
Tgt Ion:146 Resp: 40801
Ion Ratio Lower Upper
146 100
111 41.0 26.9 50.1
148 64.6 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 5.342 ug/L
RT: 11.259 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

Tgt Ion:146 Resp: 43914
Ion Ratio Lower Upper
146 100
111 37.8 26.2 48.8
148 62.3 44.9 83.5

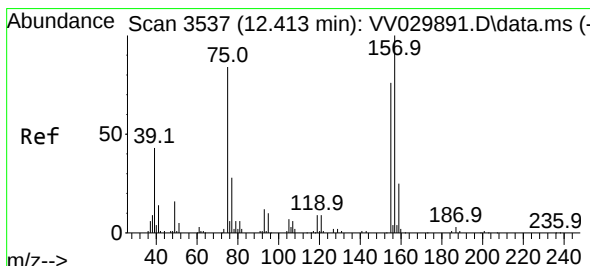
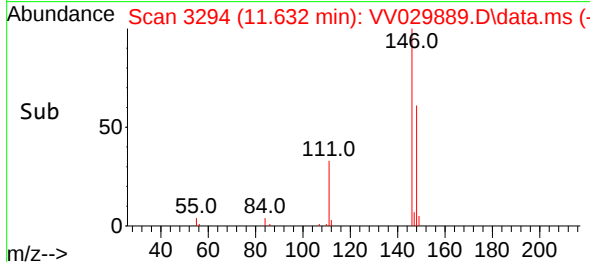
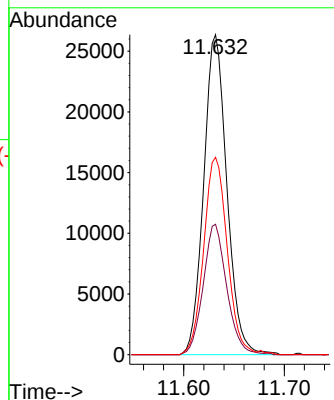
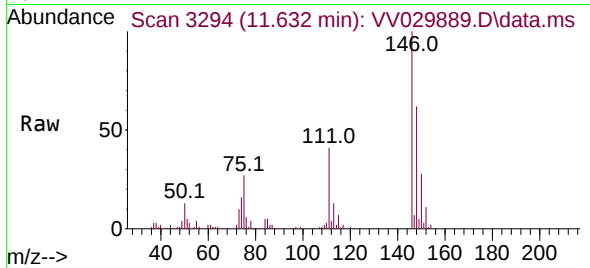




#67
1,2-Dichlorobenzene
Concen: 5.125 ug/L
RT: 11.632 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

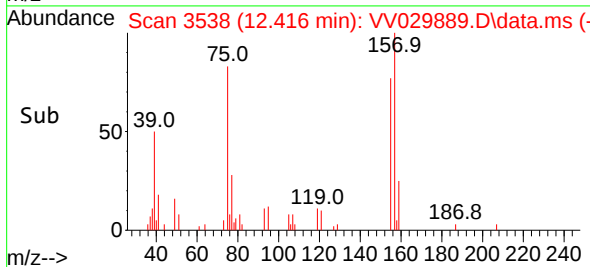
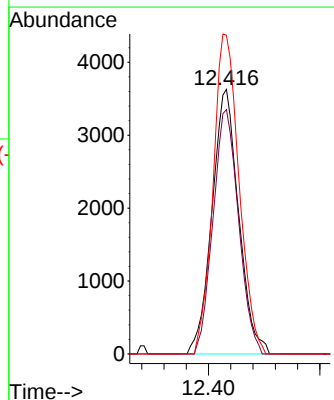
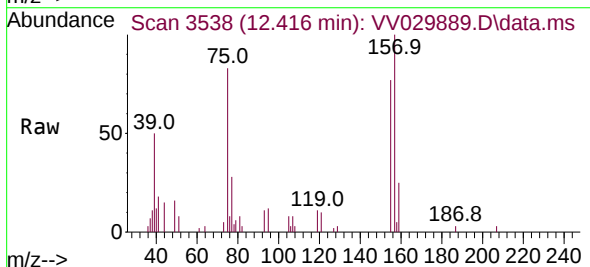
Instrument :
MSVOA_V
ClientSampleId :
VSTD005202

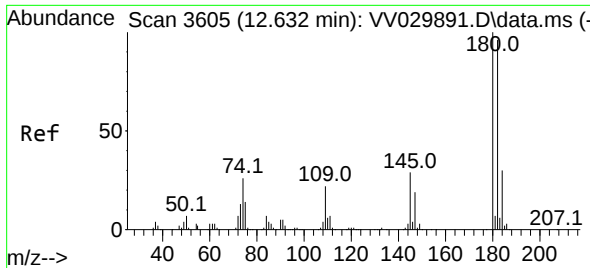
Tgt Ion:146 Resp: 42254
Ion Ratio Lower Upper
146 100
111 40.7 32.7 49.1
148 61.7 51.0 76.4



#68
1,2-Dibromo-3-chloropropane
Concen: 4.566 ug/L
RT: 12.416 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VV029889.D
Acq: 18 Jan 2023 10:20

Tgt Ion: 75 Resp: 6024
Ion Ratio Lower Upper
75 100
155 92.4 72.3 108.5
157 120.4 95.4 143.2

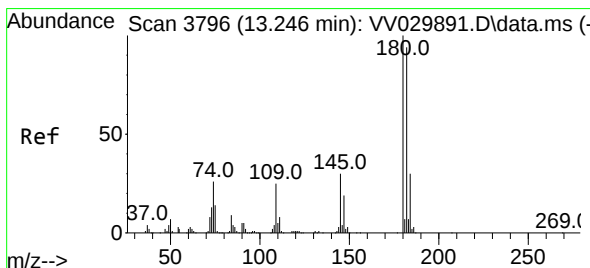
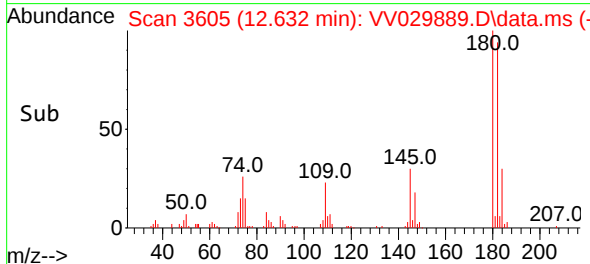
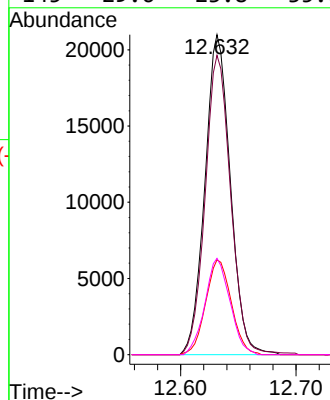
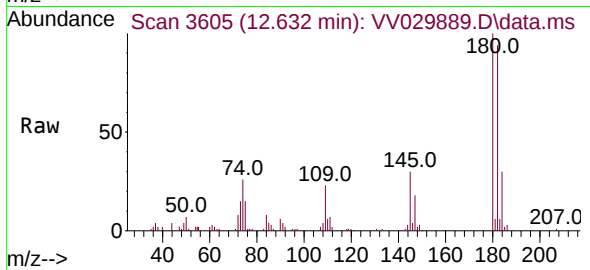




#69
 1,3,5-Trichlorobenzene
 Concen: 5.032 ug/L
 RT: 12.632 min Scan# 3605
 Delta R.T. -0.000 min
 Lab File: VV029889.D
 Acq: 18 Jan 2023 10:20

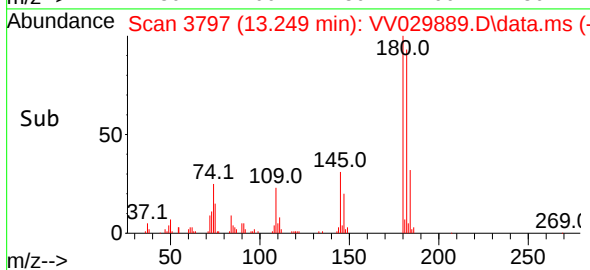
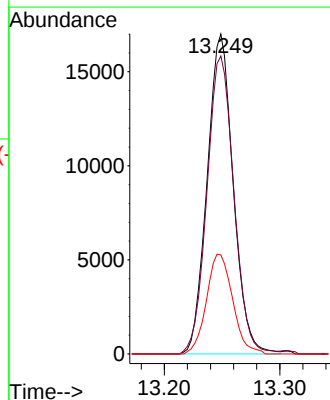
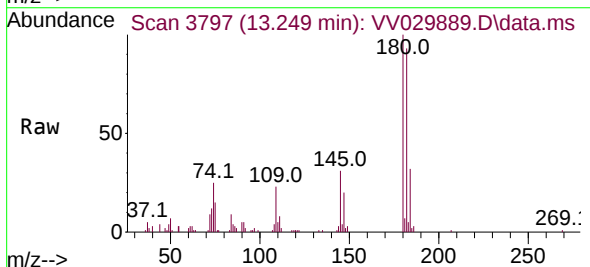
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005202

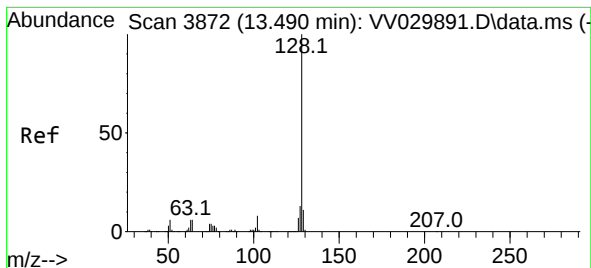
Tgt Ion:	180	Resp:	32113
Ion Ratio	Lower	Upper	
180	100		
182	93.8	76.2	114.4
184	29.8	23.9	35.9
145	29.6	23.8	35.6



#70
 1,2,4-trichlorobenzene
 Concen: 4.716 ug/L
 RT: 13.249 min Scan# 3797
 Delta R.T. 0.003 min
 Lab File: VV029889.D
 Acq: 18 Jan 2023 10:20

Tgt Ion:	180	Resp:	26714
Ion Ratio	Lower	Upper	
180	100		
182	95.9	76.0	114.0
145	31.2	24.0	36.0





#71

Naphthalene

Concen: 4.554 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. -0.000 min

Lab File: VV029889.D

Acq: 18 Jan 2023 10:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005202

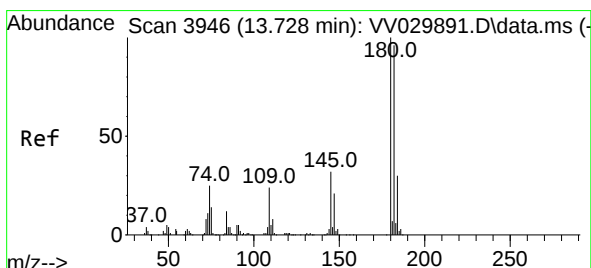
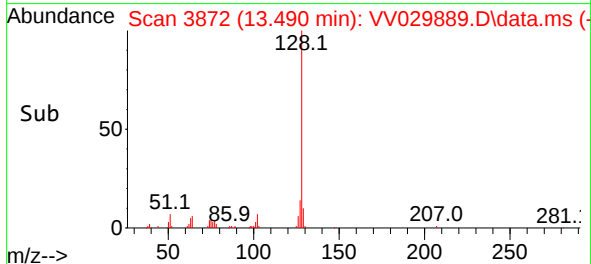
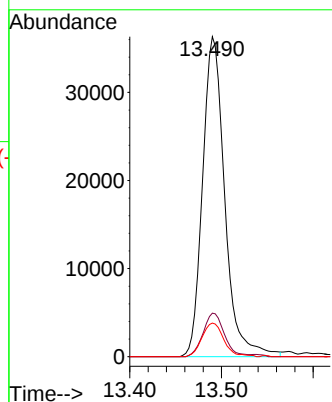
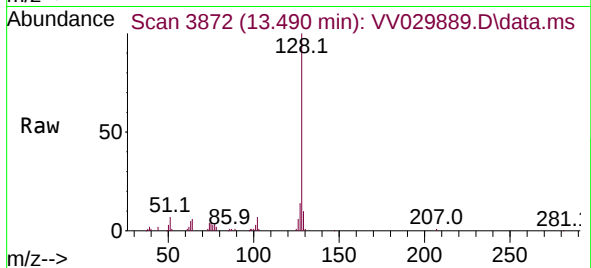
Tgt Ion:128 Resp: 61121

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

129 10.3 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 4.557 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.003 min

Lab File: VV029889.D

Acq: 18 Jan 2023 10:20

Tgt Ion:180 Resp: 25302

Ion Ratio Lower Upper

180 100

182 97.2 76.3 114.5

145 32.0 25.7 38.5

