

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011823\
 Data File : VW029892.D
 Acq On : 18 Jan 2023 11:35
 Operator : SY/MD
 Sample : VSTD10005
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100205

Quant Time: Jan 19 00:26:30 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	5.609	114	448259	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	436919	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	268400	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	337521	117.608	ug/L	0.00
7) Chloroethane-d5	1.558	69	285582	128.506	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.105	63	592670	130.419	ug/L	0.00
21) 2-Butanone-d5	3.864	46	434105	251.098	ug/L	0.00
24) Chloroform-d	4.336	84	633317	118.498	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.021	65	355851	117.176	ug/L	0.00
32) Benzene-d6	5.040	84	1323255	112.690	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.060	67	401609	112.141	ug/L	0.00
41) Toluene-d8	7.307	98	1223447	111.114	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.609	79	189892	107.193	ug/L	0.00
47) 2-Hexanone-d5	8.079	63	385432	250.081	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.204	84	589804	113.611	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.612	152	527423	103.648	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	326465	95.453	ug/L	99
3) Chloromethane	1.240	50	324625	84.514	ug/L	100
5) Vinyl chloride	1.307	62	383523	111.970	ug/L	99
6) Bromomethane	1.510	94	175672	130.866	ug/L	97
8) Chloroethane	1.577	64	248157	127.219	ug/L	99
9) Trichlorofluoromethane	1.748	101	518763	119.843	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	316697	129.091	ug/L	99
12) 1,1-Dichloroethene	2.114	96	307402	123.973	ug/L	96
13) Acetone	2.153	43	421195	327.297	ug/L	98
14) Carbon disulfide	2.288	76	806159	103.375	ug/L	100
15) Methyl Acetate	2.420	43	311422	122.644	ug/L	99
16) Methylene chloride	2.500	84	362314	118.889	ug/L	99
17) trans-1,2-Dichloroethene	2.754	96	331879	118.841	ug/L	99
18) Methyl tert-butyl Ether	2.761	73	1072203	124.382	ug/L	100
19) 1,1-Dichloroethane	3.182	63	591185	121.660	ug/L	99
20) cis-1,2-Dichloroethene	3.899	96	377449	121.930	ug/L	98
22) 2-Butanone	3.944	43	500946	272.329	ug/L	96
23) Bromochloromethane	4.233	128	196001	122.425	ug/L	100
25) Chloroform	4.362	83	619153	122.970	ug/L	98
27) 1,2-Dichloroethane	5.117	62	428929	120.703	ug/L	99
29) Cyclohexane	4.667	56	510782	109.430	ug/L	99
30) 1,1,1-Trichloroethane	4.600	97	535759	112.068	ug/L	99
31) Carbon tetrachloride	4.818	117	455117	109.835	ug/L	98
33) Benzene	5.089	78	1414523	113.914	ug/L	100
34) Trichloroethene	5.905	95	349613	113.191	ug/L	96
35) Methylcyclohexane	6.124	83	590873	113.081	ug/L	99
37) 1,2-Dichloropropane	6.162	63	360533	119.142	ug/L	100
38) Bromodichloromethane	6.500	83	468904	113.482	ug/L	99
39) cis-1,3-Dichloropropene	7.018	75	542108	112.433	ug/L	99
40) 4-Methyl-2-pentanone	7.220	43	868201	242.332	ug/L	99
42) Toluene	7.378	91	1528038	114.584	ug/L	100
44) trans-1,3-Dichloropropene	7.638	75	517601	113.215	ug/L	100

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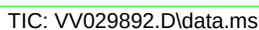
Quant Time: Jan 19 00:26:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011823WMA.M
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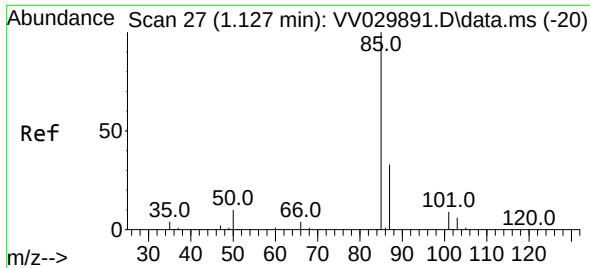
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.828	97	366269	117.465	ug/L	99
46) Tetrachloroethene	7.966	164	283004	113.631	ug/L	99
48) 2-Hexanone	8.130	43	712790	255.572	ug/L	99
49) Dibromochloromethane	8.236	129	383382	112.833	ug/L	100
50) 1,2-Dibromoethane	8.342	107	370664	115.915	ug/L	100
51) Chlorobenzene	8.870	112	998550	117.380	ug/L	100
52) Ethylbenzene	9.002	91	1656994	118.257	ug/L	100
53) m,p-Xylene	9.127	106	660294	118.932	ug/L	97
54) o-Xylene	9.532	106	646617	118.042	ug/L	100
55) Styrene	9.548	104	1170133	121.448	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.230	83	586474	116.877	ug/L	99
59) Bromoform	9.719	173	284059	99.643	ug/L	99
60) Isopropylbenzene	9.921	105	1676292	108.439	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	433695	105.549	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	1476640	108.059	ug/L	99
63) 1,2,4-Trimethylbenzene	10.902	105	1489461	110.000	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	845656	110.297	ug/L	99
65) 1,4-Dichlorobenzene	11.259	146	855912	109.703	ug/L	99
67) 1,2-Dichlorobenzene	11.628	146	854477	109.185	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.413	75	126485	101.003	ug/L	98
69) 1,3,5-Trichlorobenzene	12.632	180	664957	109.776	ug/L	99
70) 1,2,4-trichlorobenzene	13.246	180	605343	112.587	ug/L	100
71) Naphthalene	13.487	128	1791504	140.624	ug/L	100
72) 1,2,3-Trichlorobenzene	13.728	180	595378	112.973	ug/L	99

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

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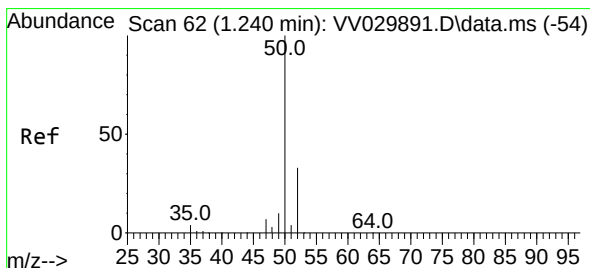
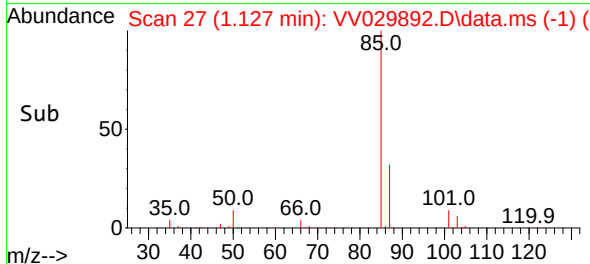
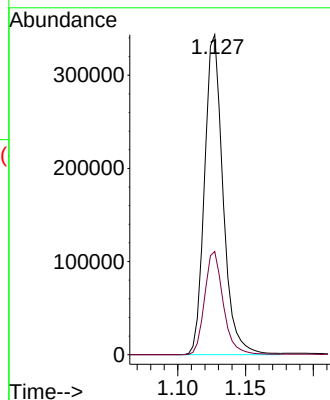
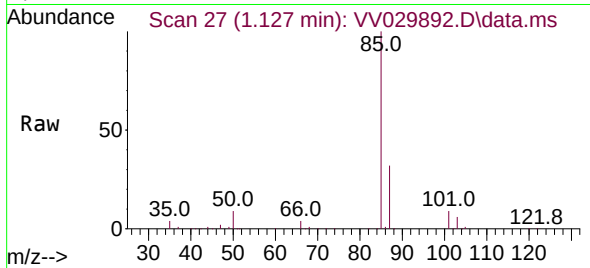




#2
 Dichlorodifluoromethane
 Concen: 95.453 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029892.D
 Acq: 18 Jan 2023 11:35

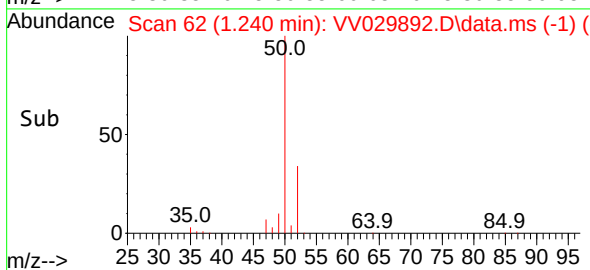
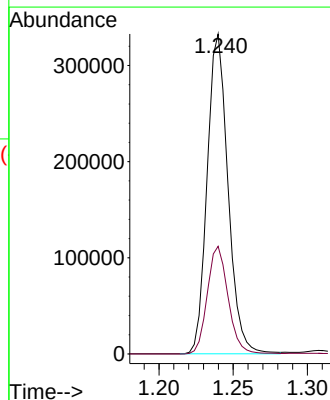
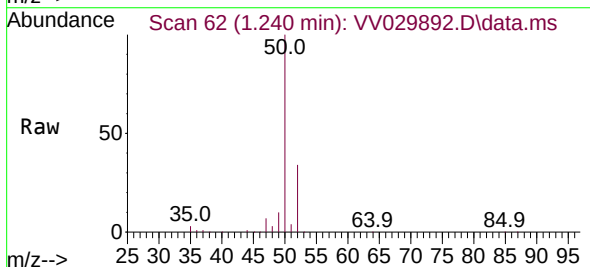
Instrument :
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 ClientSampleId :
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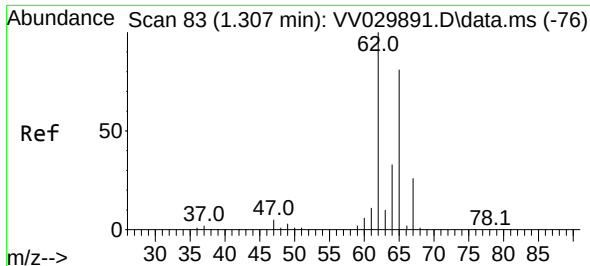
Tgt Ion: 85 Resp: 326465
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.2 39.4



#3
 Chloromethane
 Concen: 84.514 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029892.D
 Acq: 18 Jan 2023 11:35

Tgt Ion: 50 Resp: 324625
 Ion Ratio Lower Upper
 50 100
 52 33.7 23.4 43.4

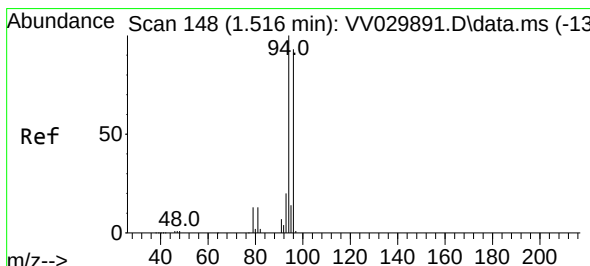
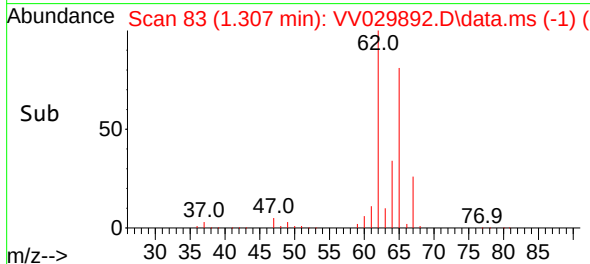
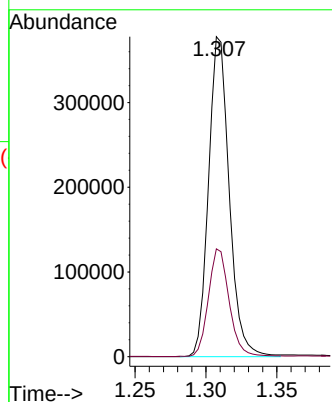
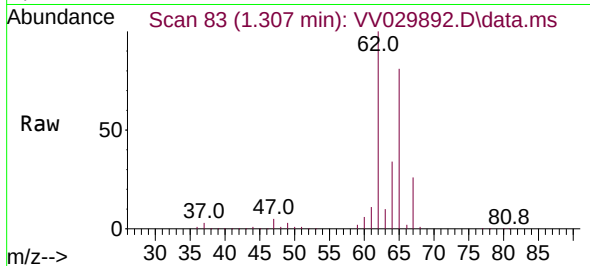




#5
 Vinyl chloride
 Concen: 111.970 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV029892.D
 Acq: 18 Jan 2023 11:35

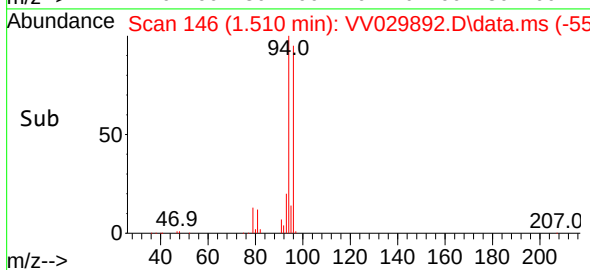
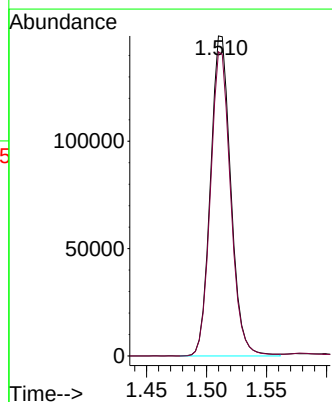
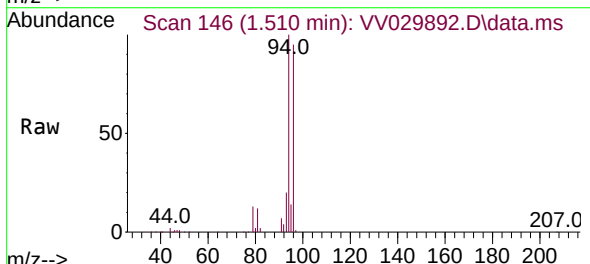
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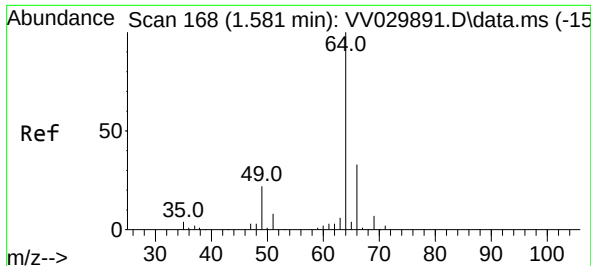
Tgt Ion: 62 Resp: 383523
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.0 42.8



#6
 Bromomethane
 Concen: 130.866 ug/L
 RT: 1.510 min Scan# 146
 Delta R.T. -0.006 min
 Lab File: VV029892.D
 Acq: 18 Jan 2023 11:35

Tgt Ion: 94 Resp: 175672
 Ion Ratio Lower Upper
 94 100
 96 95.1 64.8 120.4

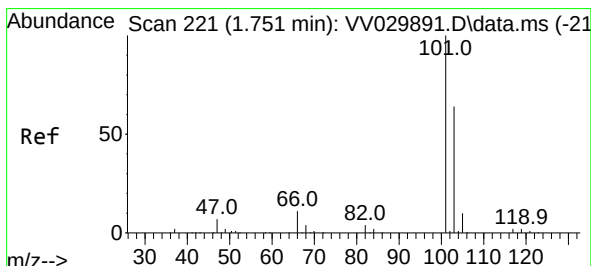
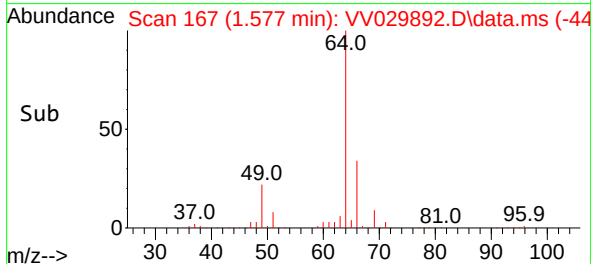
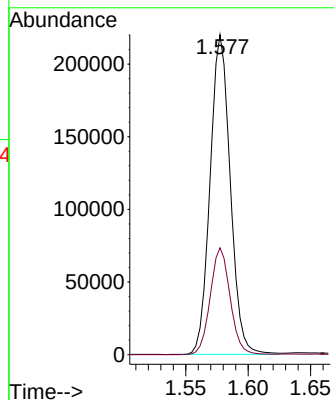
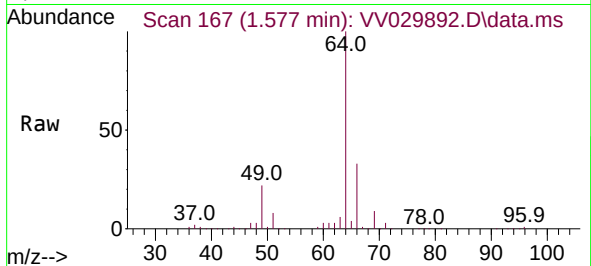




#8
Chloroethane
Concen: 127.219 ug/L
RT: 1.577 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

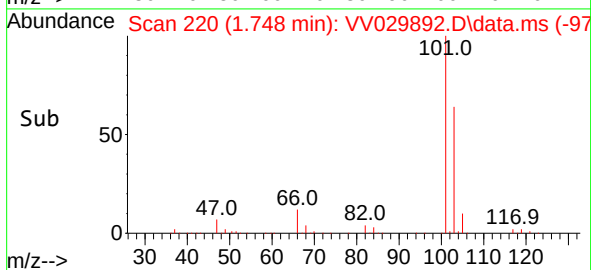
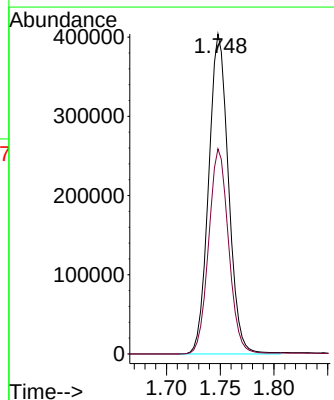
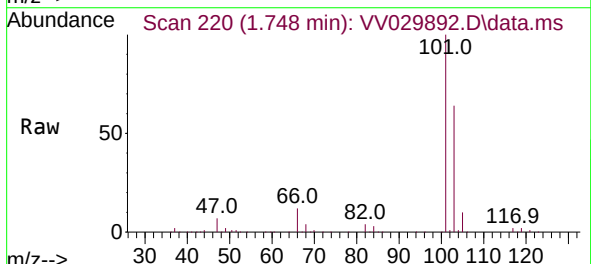
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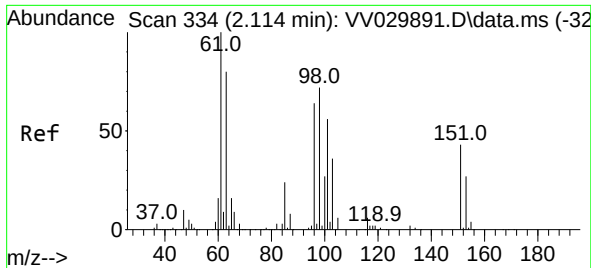
Tgt Ion: 64 Resp: 248157
Ion Ratio Lower Upper
64 100
66 33.4 23.1 42.9



#9
Trichlorofluoromethane
Concen: 119.843 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.003 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

Tgt Ion:101 Resp: 518763
Ion Ratio Lower Upper
101 100
103 64.4 51.3 76.9

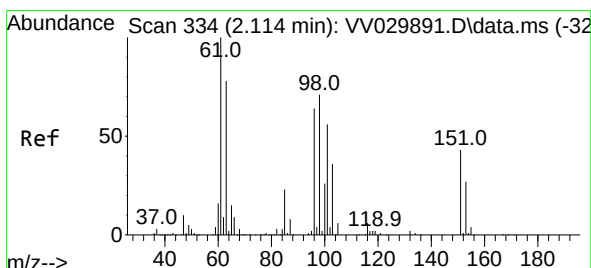
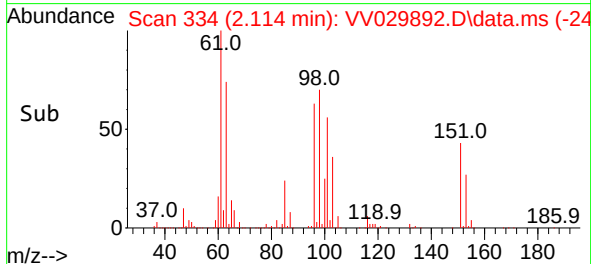
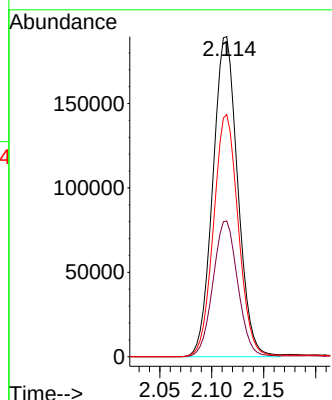
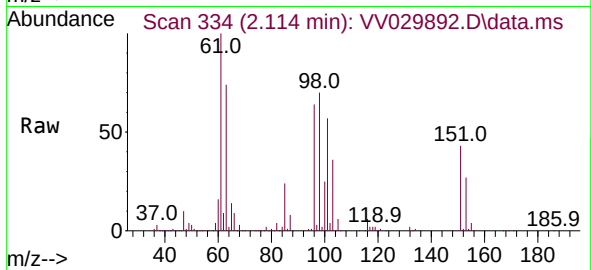




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 129.091 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV029892.D
 Acq: 18 Jan 2023 11:35

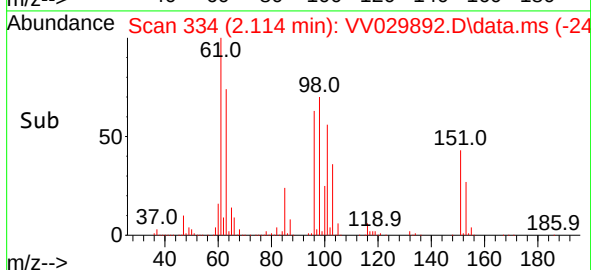
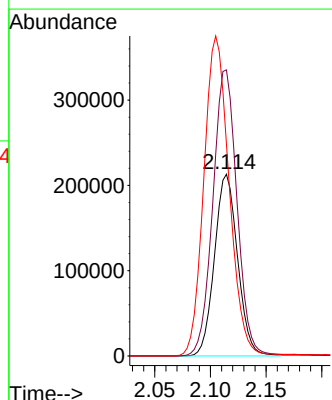
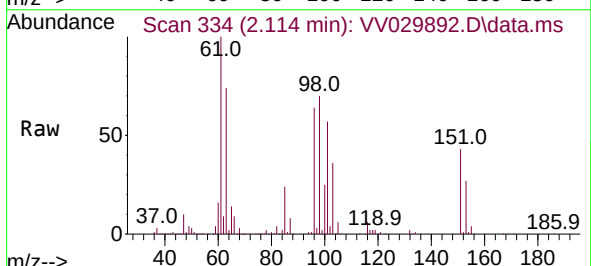
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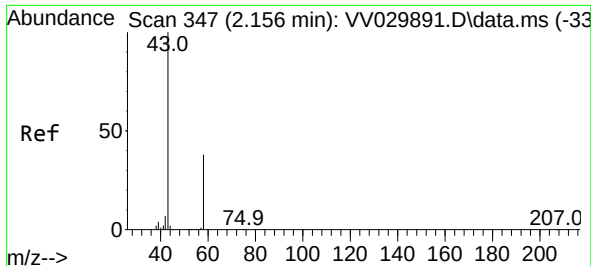
Tgt Ion:101 Resp: 316697
 Ion Ratio Lower Upper
 101 100
 85 42.3 33.7 50.5
 151 75.3 61.0 91.4



#12
 1,1-Dichloroethene
 Concen: 123.973 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV029892.D
 Acq: 18 Jan 2023 11:35

Tgt Ion: 96 Resp: 307402
 Ion Ratio Lower Upper
 96 100
 61 157.5 110.2 204.6
 63 116.6 88.6 164.6





#13

Acetone

Concen: 327.297 ug/L

RT: 2.153 min Scan# 34

Delta R.T. -0.003 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

Instrument :

MSVOA_V

ClientSampleId :

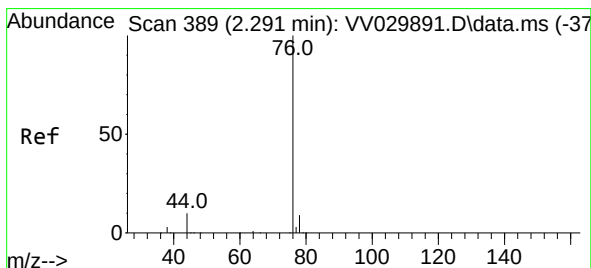
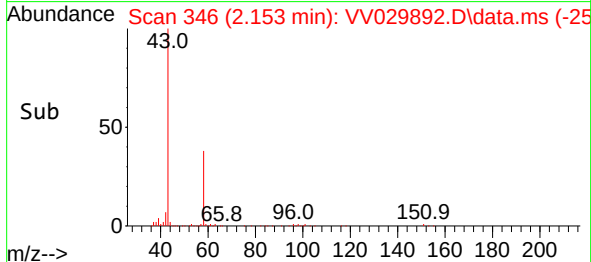
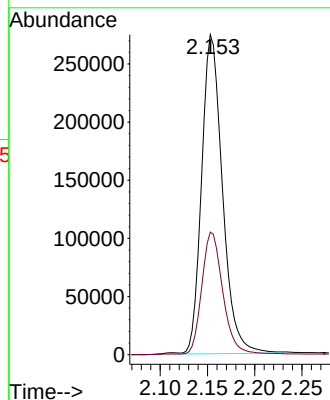
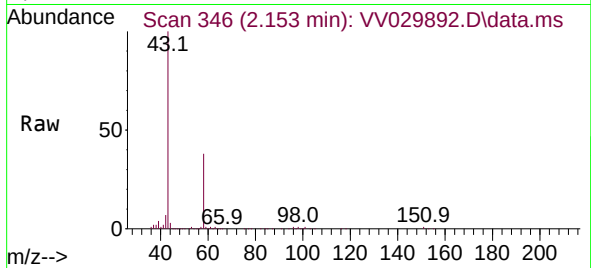
VSTD100205

Tgt Ion: 43 Resp: 421195

Ion Ratio Lower Upper

43 100

58 39.4 0.0 76.0



#14

Carbon disulfide

Concen: 103.375 ug/L

RT: 2.288 min Scan# 388

Delta R.T. -0.003 min

Lab File: VV029892.D

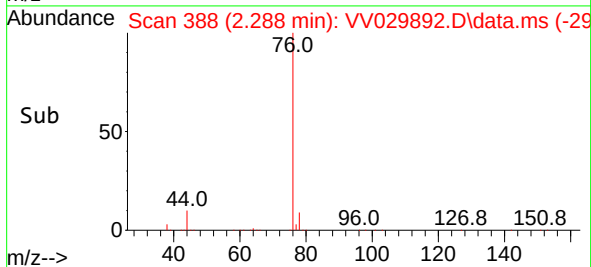
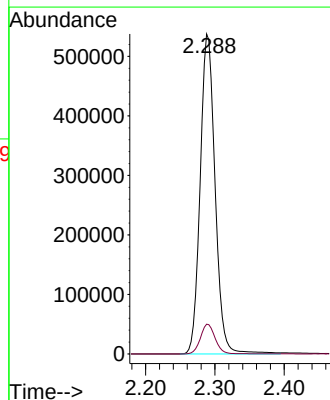
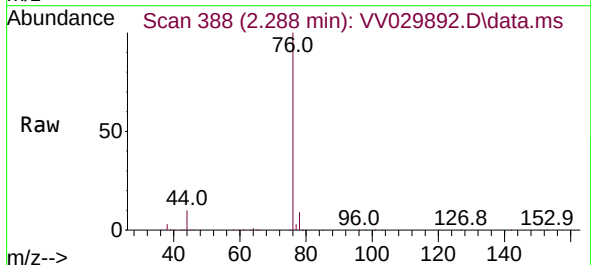
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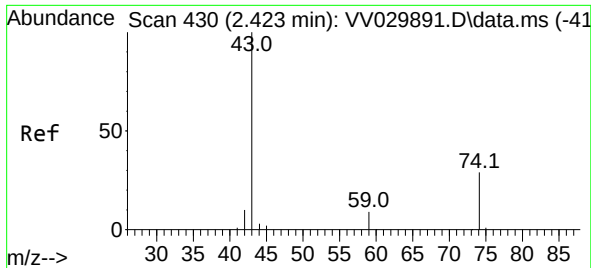
Tgt Ion: 76 Resp: 806159

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

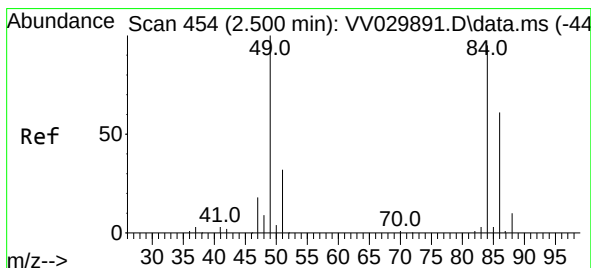
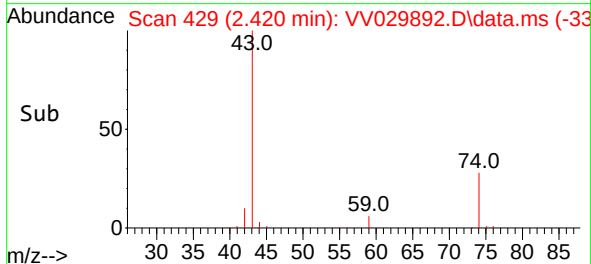
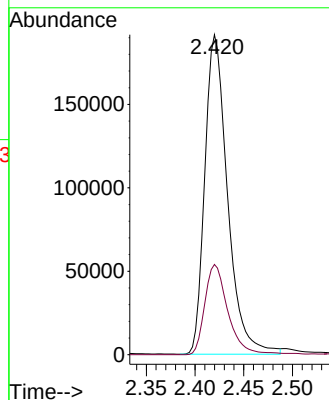
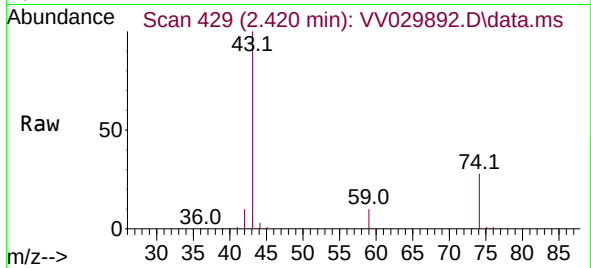




#15
Methyl Acetate
Concen: 122.644 ug/L
RT: 2.420 min Scan# 430
Delta R.T. -0.003 min
Lab File: VV029892.D
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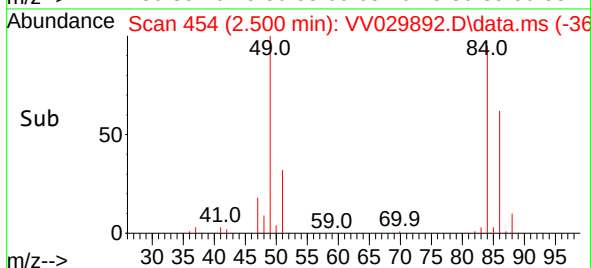
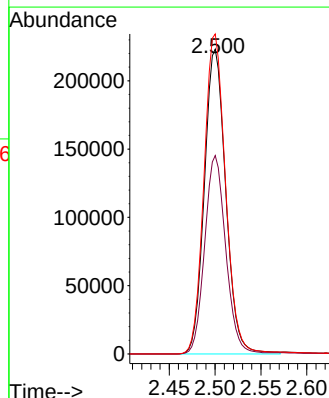
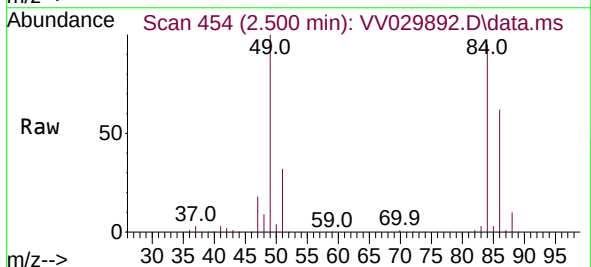
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ClientSampleId :
VSTD100205

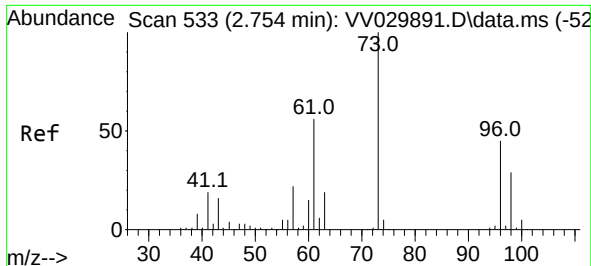
Tgt Ion: 43 Resp: 311422
Ion Ratio Lower Upper
43 100
74 28.7 23.3 34.9



#16
Methylene chloride
Concen: 118.889 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.000 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

Tgt Ion: 84 Resp: 362314
Ion Ratio Lower Upper
84 100
86 65.1 45.3 84.1
49 105.0 74.1 137.5

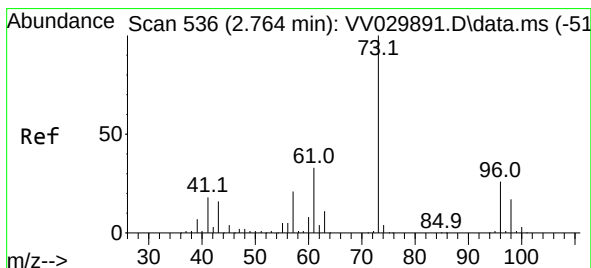
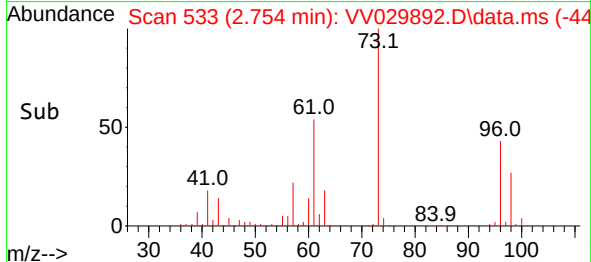
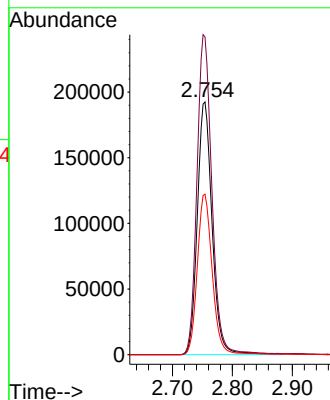
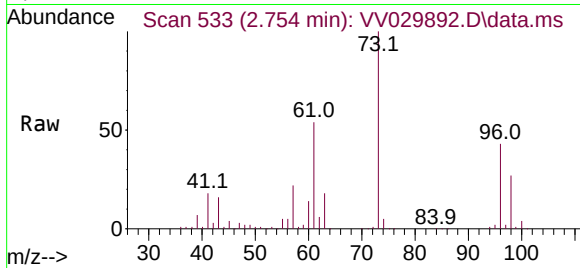




#17
trans-1,2-Dichloroethene
Concen: 118.841 ug/L
RT: 2.754 min Scan# 511
Delta R.T. 0.000 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

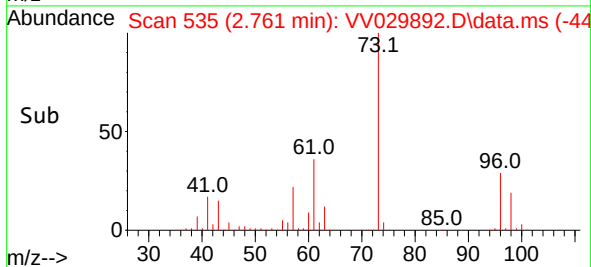
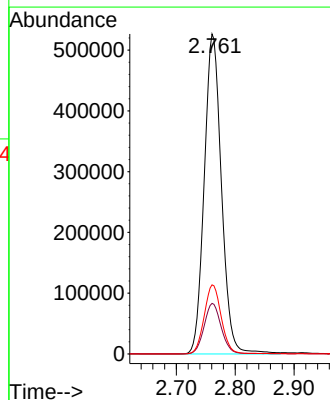
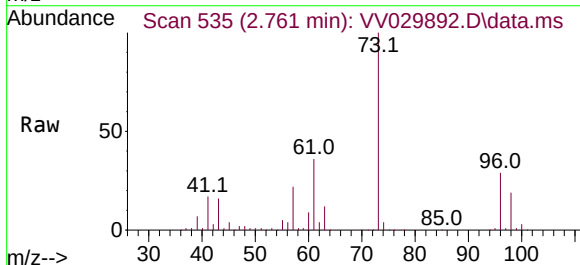
Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

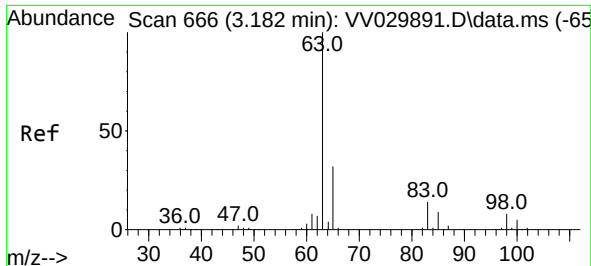
Tgt Ion: 96 Resp: 331879
Ion Ratio Lower Upper
96 100
61 125.7 86.9 161.5
98 63.5 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 124.382 ug/L
RT: 2.761 min Scan# 535
Delta R.T. -0.003 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

Tgt Ion: 73 Resp: 1072203
Ion Ratio Lower Upper
73 100
43 15.6 12.8 19.2
57 21.4 17.1 25.7





#19

1,1-Dichloroethane

Concen: 121.660 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD100205

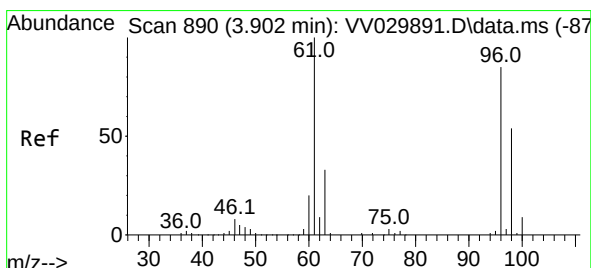
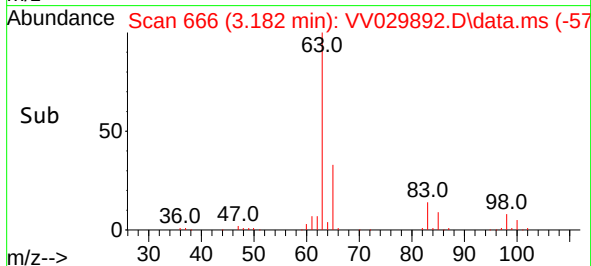
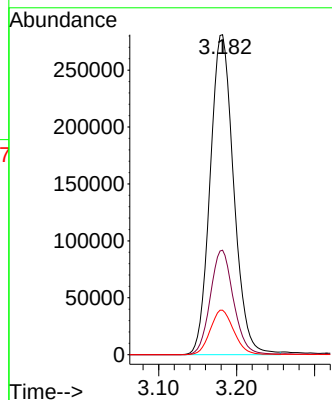
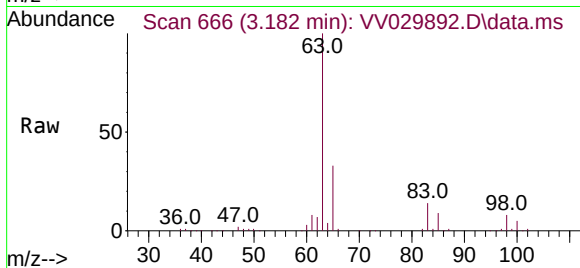
Tgt Ion: 63 Resp: 591185

Ion Ratio Lower Upper

63 100

65 32.7 22.3 41.3

83 13.9 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 121.930 ug/L

RT: 3.899 min Scan# 889

Delta R.T. -0.003 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

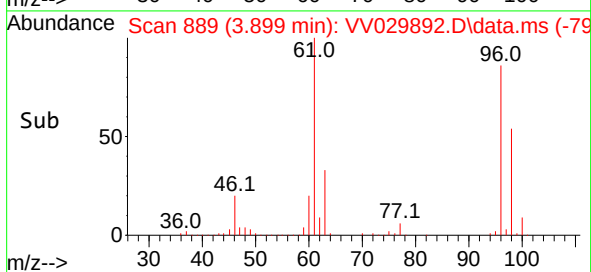
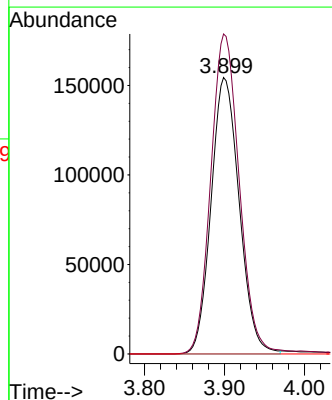
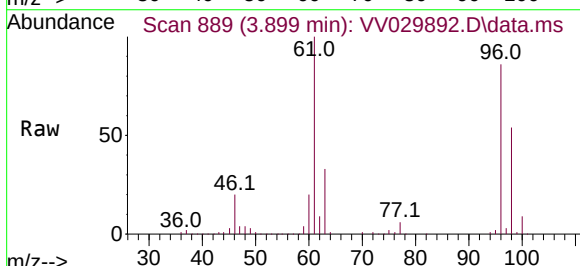
Tgt Ion: 96 Resp: 377449

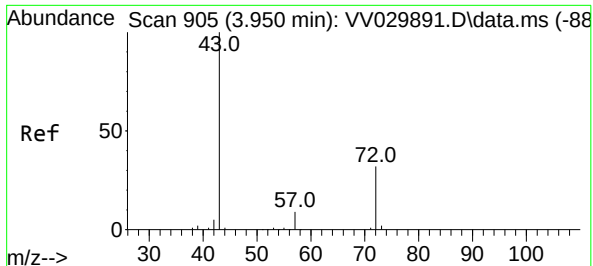
Ion Ratio Lower Upper

96 100

61 115.7 82.5 153.3

68 0.0 0.0 0.0

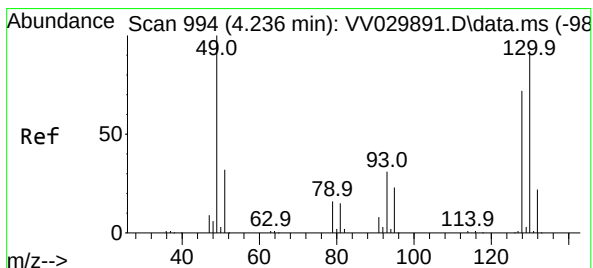
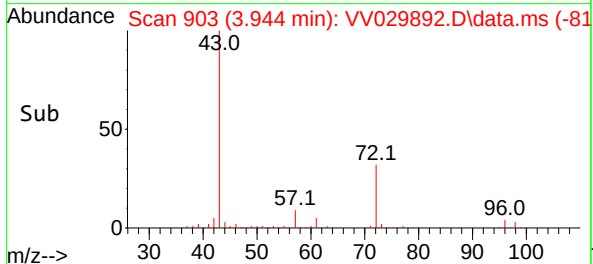
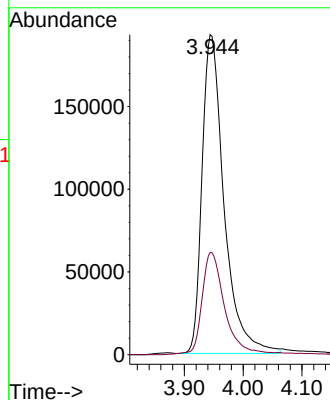
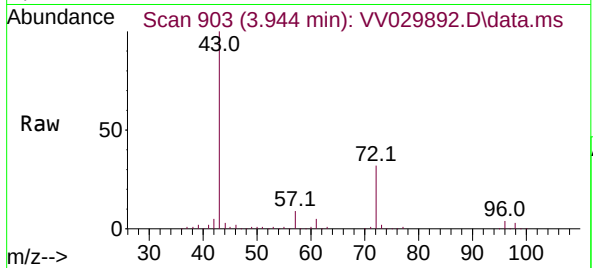




#22
2-Butanone
Concen: 272.329 ug/L
RT: 3.944 min Scan# 905
Delta R.T. -0.006 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

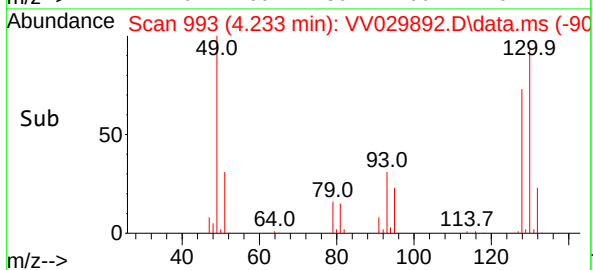
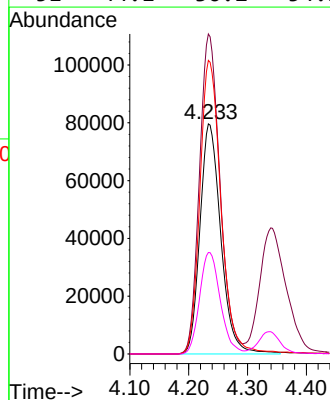
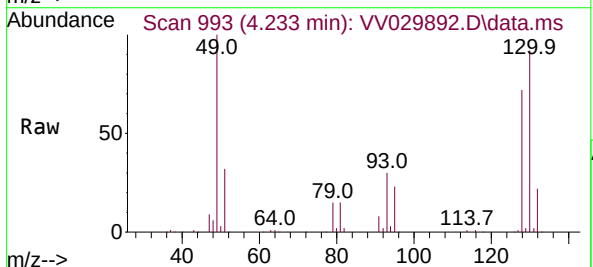
Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

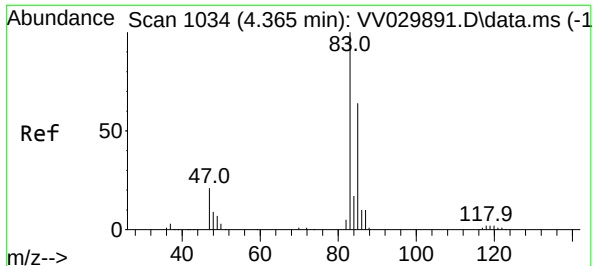
Tgt Ion: 43 Resp: 500946
Ion Ratio Lower Upper
43 100
72 33.0 15.4 46.4



#23
Bromochloromethane
Concen: 122.425 ug/L
RT: 4.233 min Scan# 993
Delta R.T. -0.003 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

Tgt Ion: 128 Resp: 196001
Ion Ratio Lower Upper
128 100
49 139.1 97.3 180.7
130 127.6 89.7 166.5
51 44.1 36.2 54.2





#25

Chloroform

Concen: 122.970 ug/L

RT: 4.362 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

Instrument :

MSVOA_V

ClientSampleId :

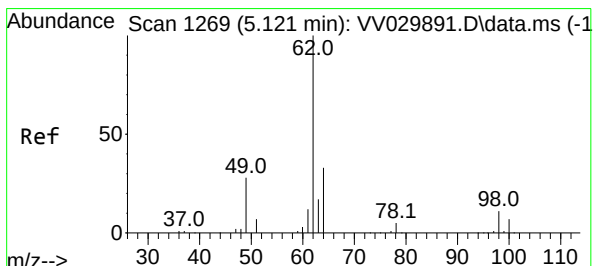
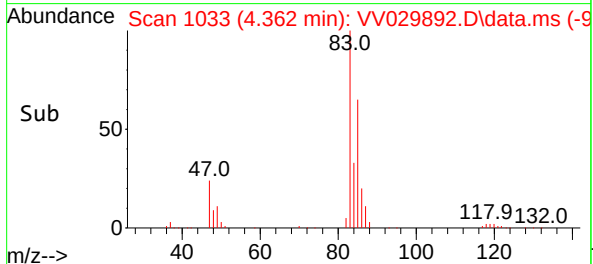
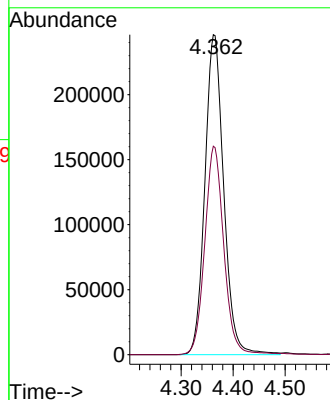
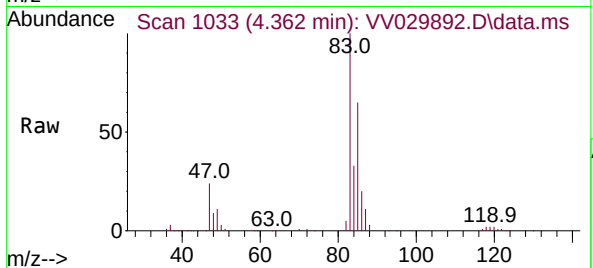
VSTD100205

Tgt Ion: 83 Resp: 619153

Ion Ratio Lower Upper

83 100

85 65.2 44.8 83.2



#27

1,2-Dichloroethane

Concen: 120.703 ug/L

RT: 5.117 min Scan# 1268

Delta R.T. -0.003 min

Lab File: VV029892.D

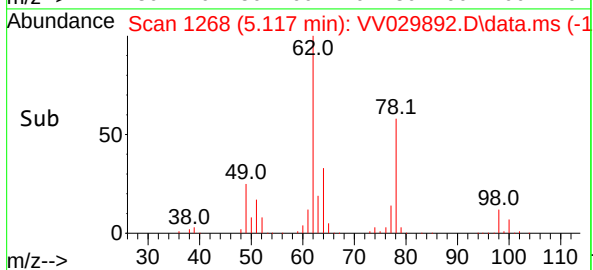
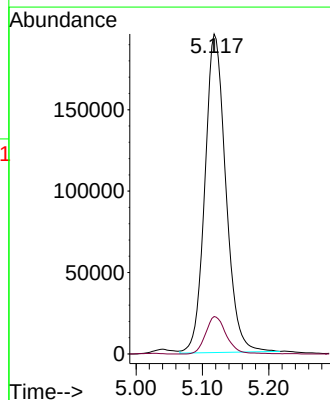
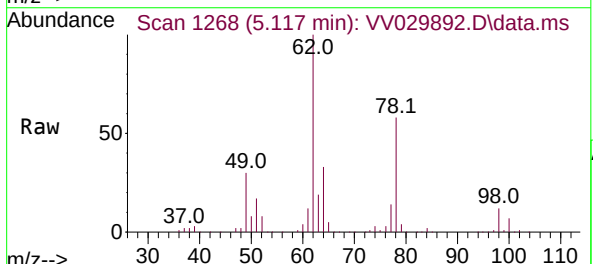
Acq: 18 Jan 2023 11:35

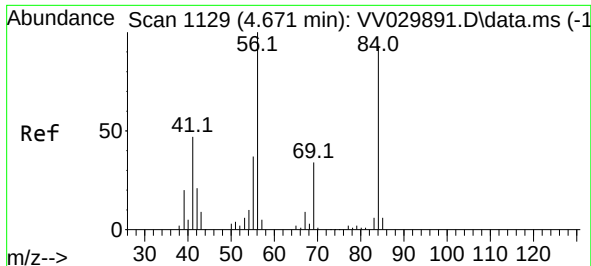
Tgt Ion: 62 Resp: 428929

Ion Ratio Lower Upper

62 100

98 11.7 9.0 13.4

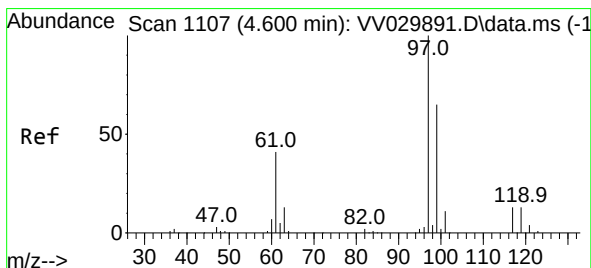
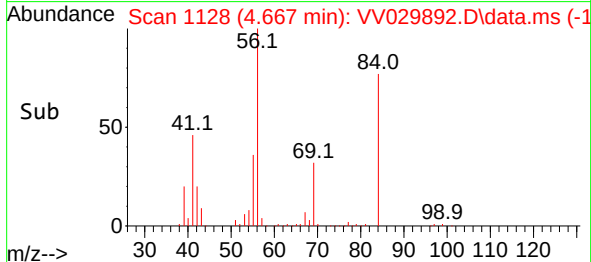
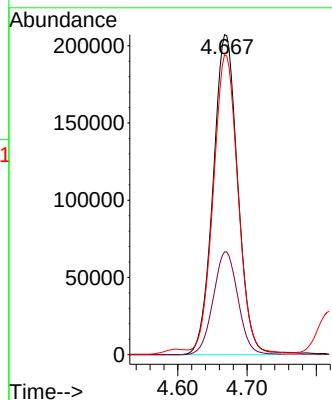
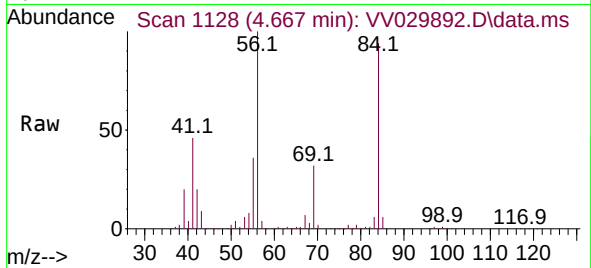




#29
Cyclohexane
Concen: 109.430 ug/L
RT: 4.667 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

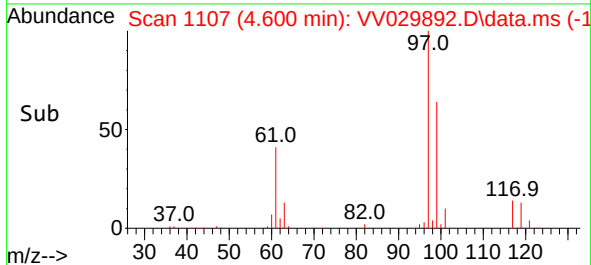
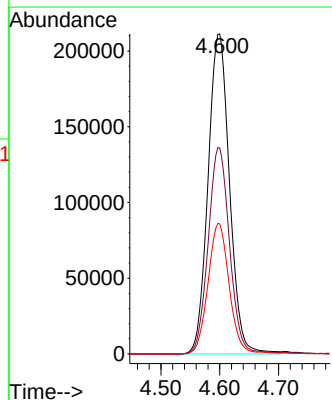
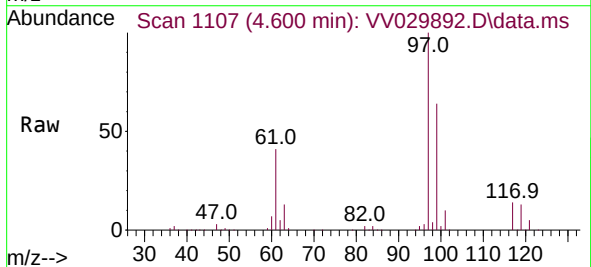
Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

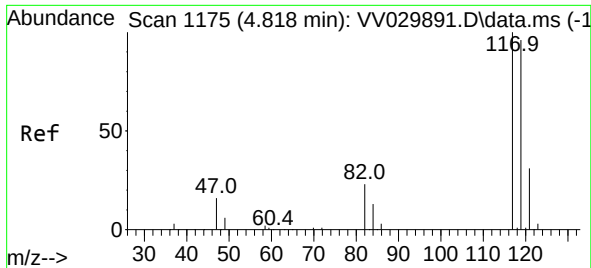
Tgt Ion: 56 Resp: 510782
Ion Ratio Lower Upper
56 100
69 32.4 26.2 39.4
84 94.5 74.7 112.1



#30
1,1,1-Trichloroethane
Concen: 112.068 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

Tgt Ion: 97 Resp: 535759
Ion Ratio Lower Upper
97 100
99 64.2 51.9 77.9
61 40.0 32.2 48.2

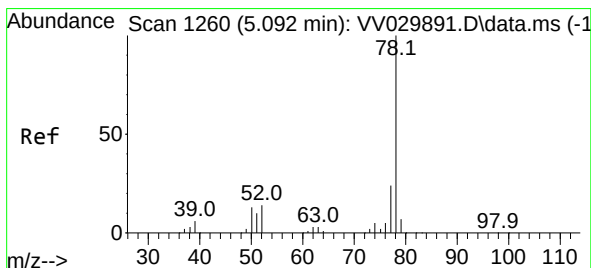
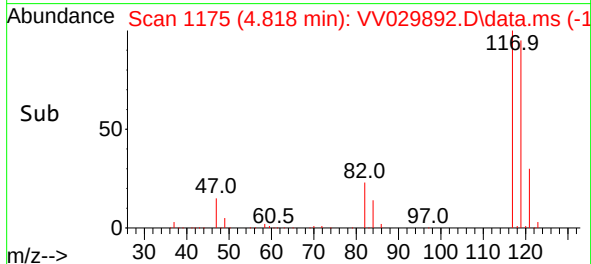
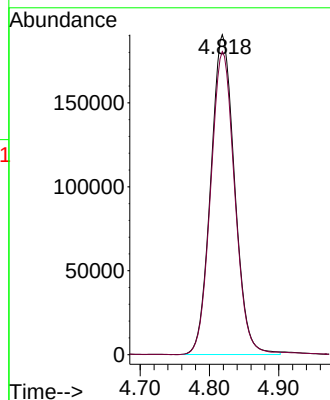
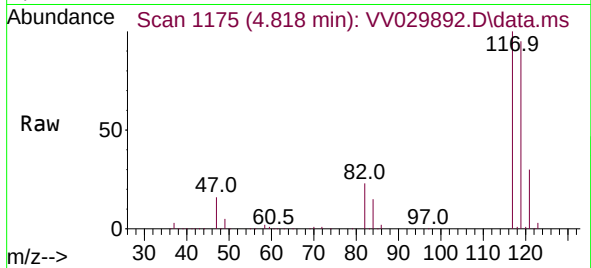




#31
Carbon tetrachloride
Concen: 109.835 ug/L
RT: 4.818 min Scan# 1175
Delta R.T. -0.000 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

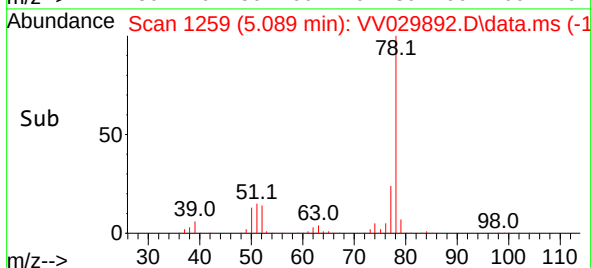
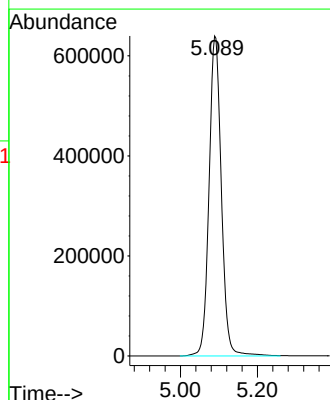
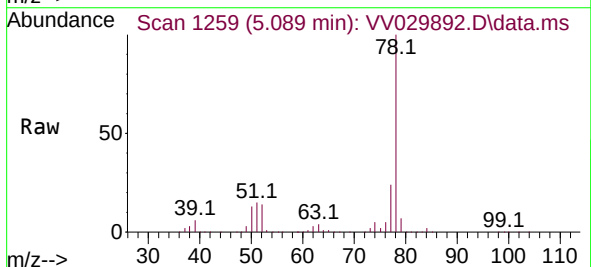
Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

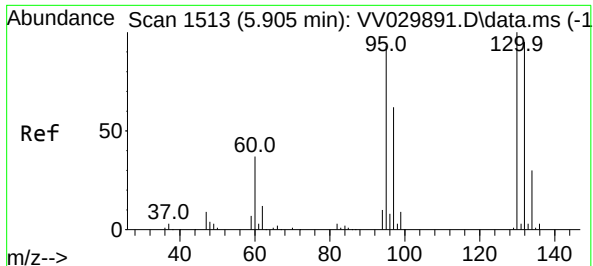
Tgt Ion:117 Resp: 455117
Ion Ratio Lower Upper
117 100
119 95.3 77.9 116.9



#33
Benzene
Concen: 113.914 ug/L
RT: 5.089 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

Tgt Ion: 78 Resp: 1414523





#34

Trichloroethene

Concen: 113.191 ug/L

RT: 5.905 min Scan# 1513

Delta R.T. 0.000 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD100205

Tgt Ion: 95 Resp: 349613

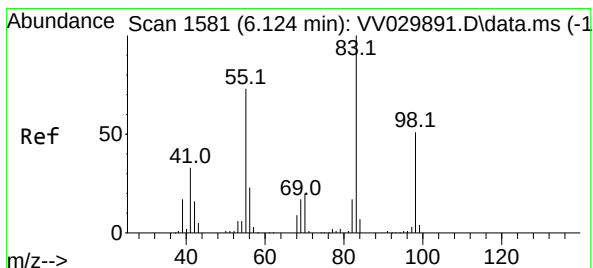
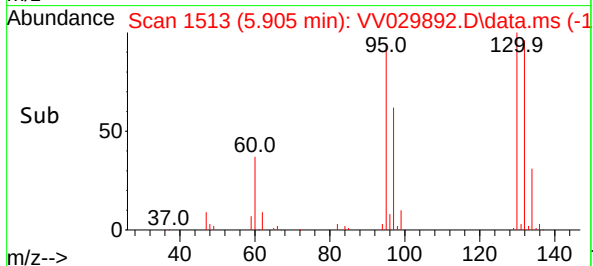
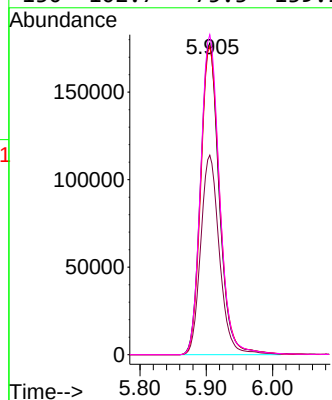
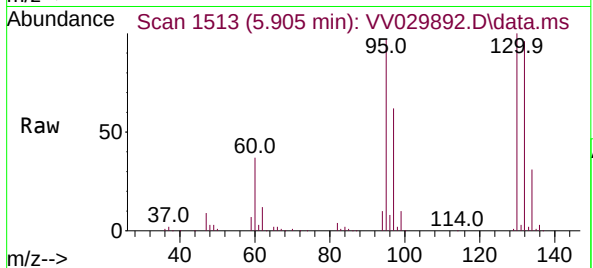
Ion Ratio Lower Upper

95 100

97 64.0 46.5 86.5

132 98.9 71.8 133.4

130 102.7 75.3 139.9



#35

Methylcyclohexane

Concen: 113.081 ug/L

RT: 6.124 min Scan# 1581

Delta R.T. -0.000 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

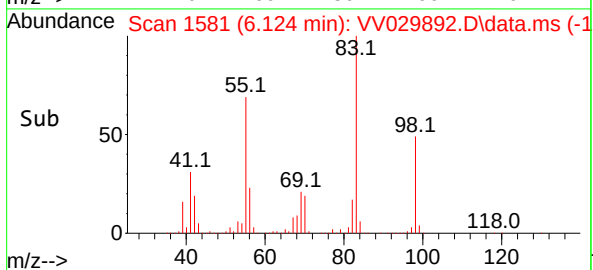
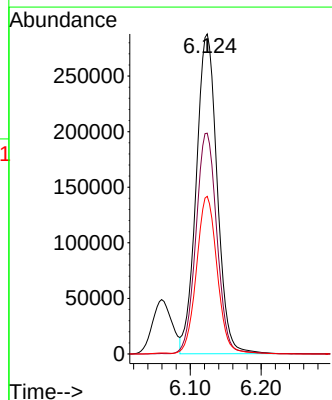
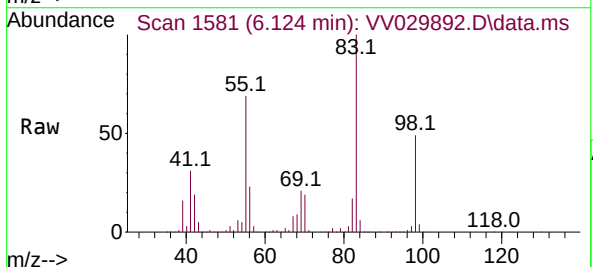
Tgt Ion: 83 Resp: 590873

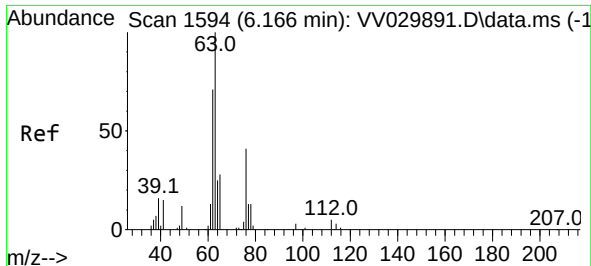
Ion Ratio Lower Upper

83 100

55 69.1 56.2 84.2

98 48.7 38.5 57.7





#37

1,2-Dichloropropane

Concen: 119.142 ug/L

RT: 6.162 min Scan# 1594

Delta R.T. -0.003 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

Instrument :

MSVOA_V

ClientSampleId :

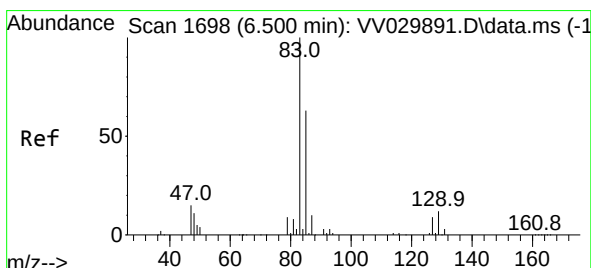
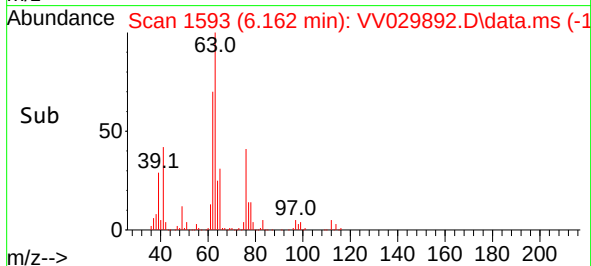
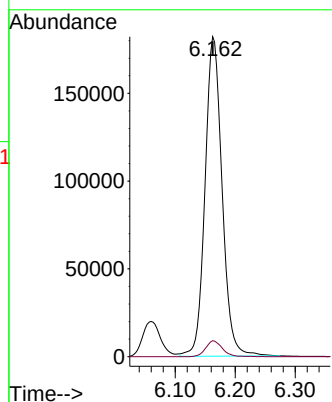
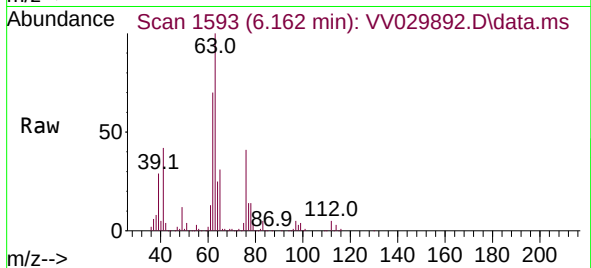
VSTD100205

Tgt Ion: 63 Resp: 360533

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.6



#38

Bromodichloromethane

Concen: 113.482 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

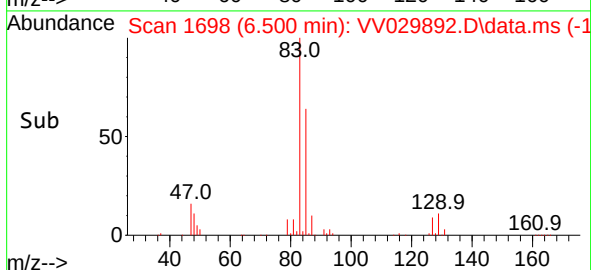
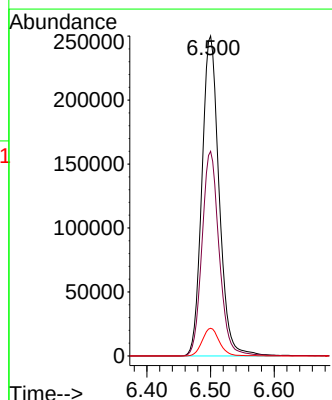
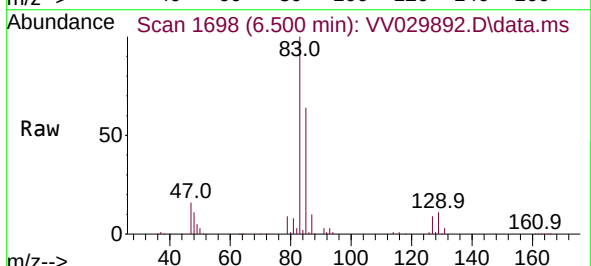
Tgt Ion: 83 Resp: 468904

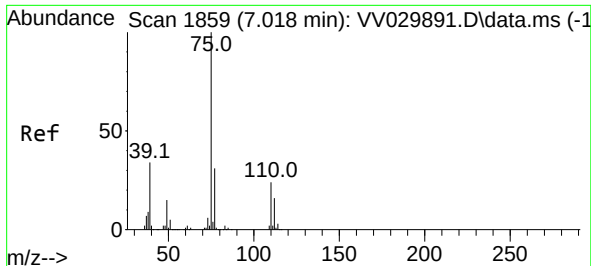
Ion Ratio Lower Upper

83 100

85 64.0 44.2 82.0

127 8.7 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 112.433 ug/L

RT: 7.018 min Scan# 1859

Delta R.T. -0.000 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

Instrument :

MSVOA_V

ClientSampleId :

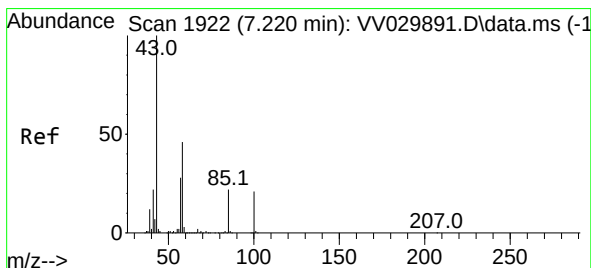
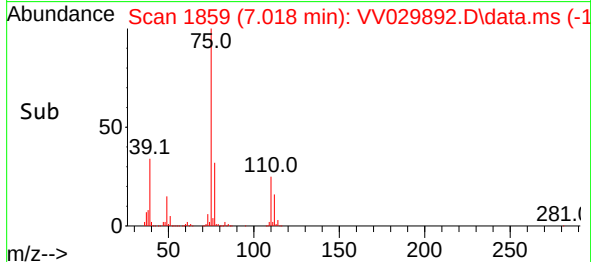
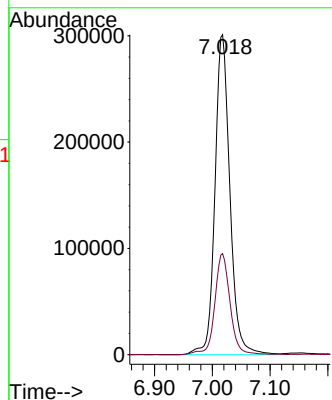
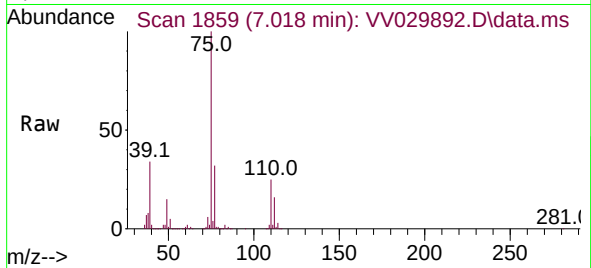
VSTD100205

Tgt Ion: 75 Resp: 542108

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 242.332 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.000 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

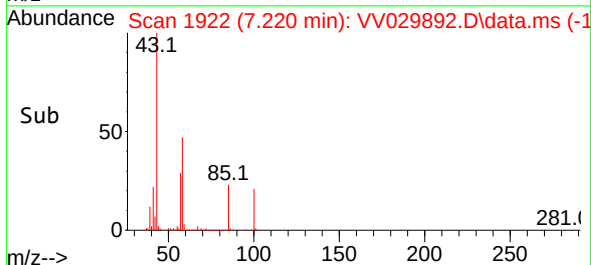
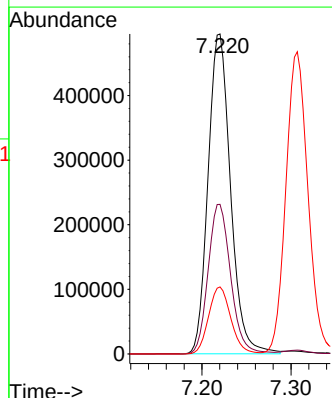
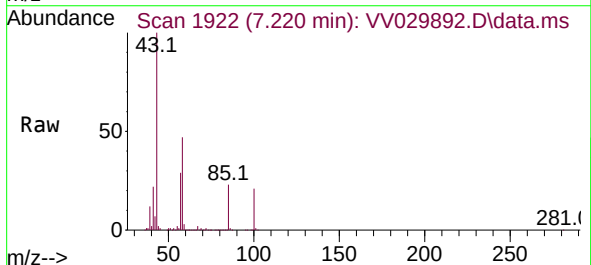
Tgt Ion: 43 Resp: 868201

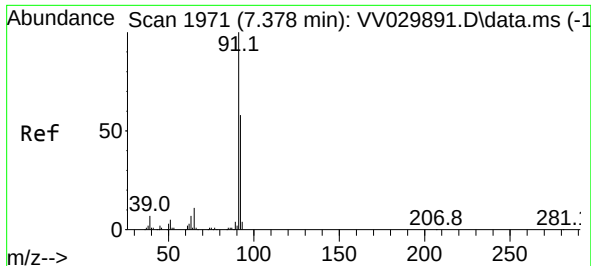
Ion Ratio Lower Upper

43 100

58 47.0 37.0 55.6

100 20.8 16.2 24.2





#42

Toluene

Concen: 114.584 ug/L

RT: 7.378 min Scan# 1971

Delta R.T. -0.000 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

Instrument :

MSVOA_V

ClientSampleId :

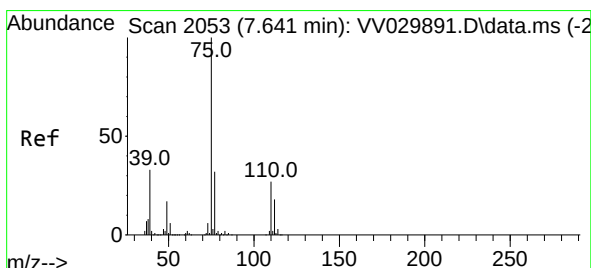
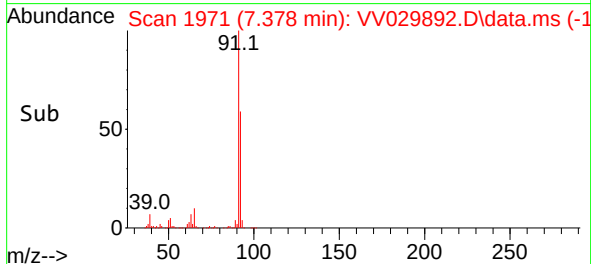
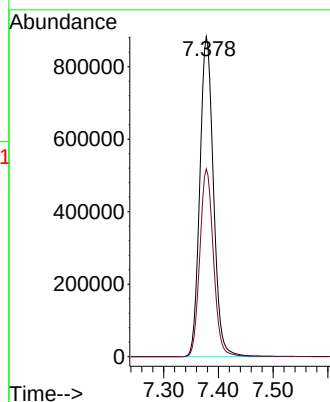
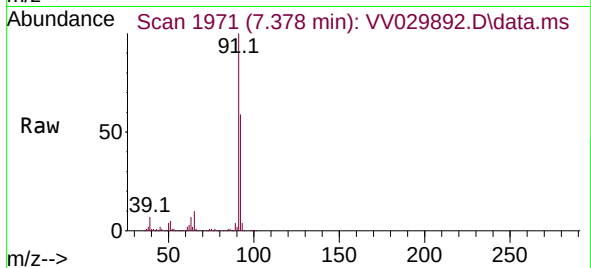
VSTD100205

Tgt Ion: 91 Resp: 1528038

Ion Ratio Lower Upper

91 100

92 58.7 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 113.215 ug/L

RT: 7.638 min Scan# 2052

Delta R.T. -0.003 min

Lab File: VV029892.D

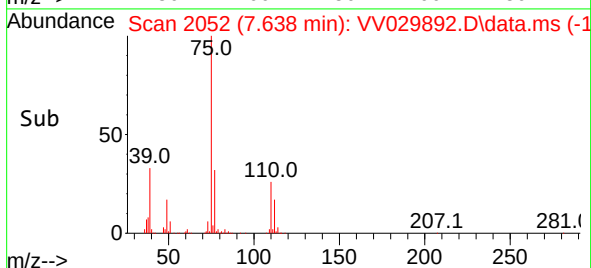
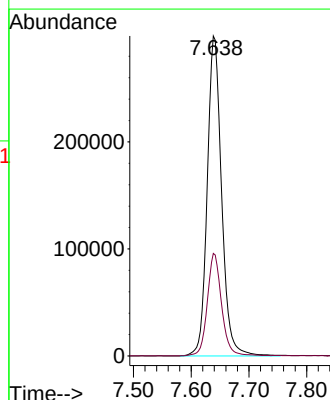
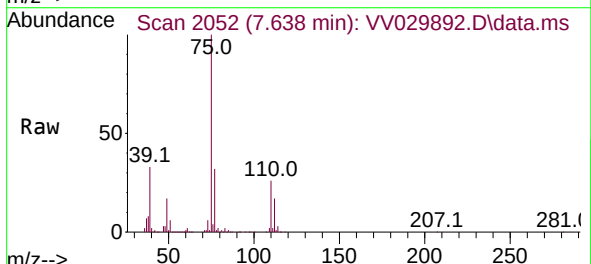
Acq: 18 Jan 2023 11:35

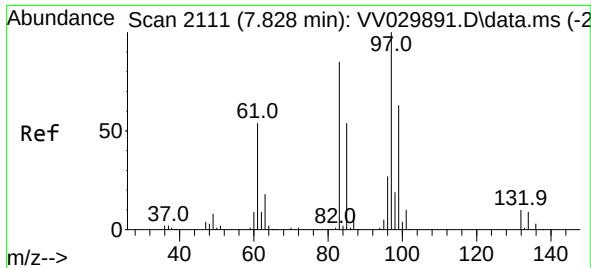
Tgt Ion: 75 Resp: 517601

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6



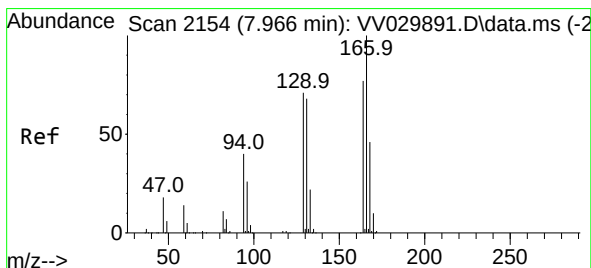
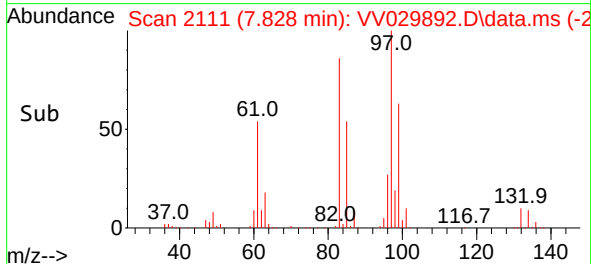
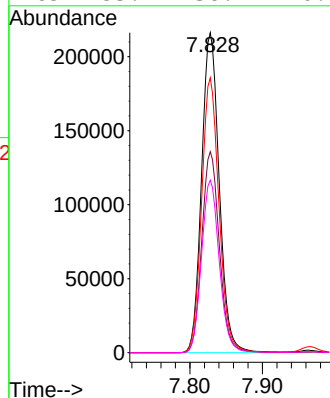
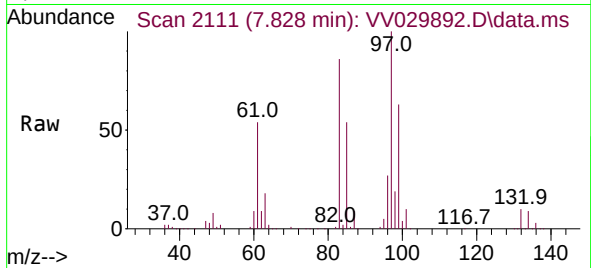


#45
1,1,2-Trichloroethane
Concen: 117.465 ug/L
RT: 7.828 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

Tgt Ion: 97 Resp: 366269

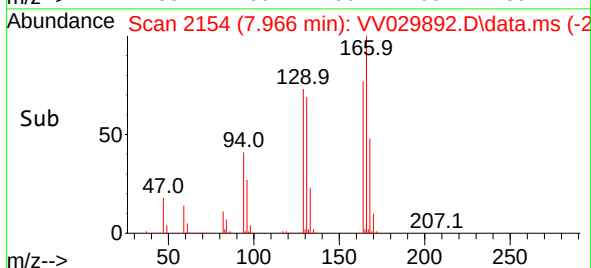
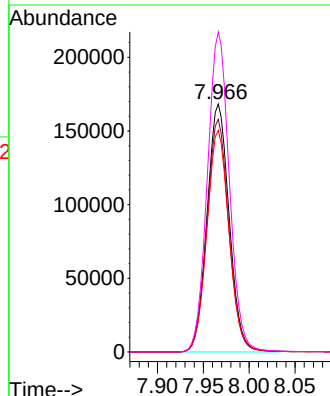
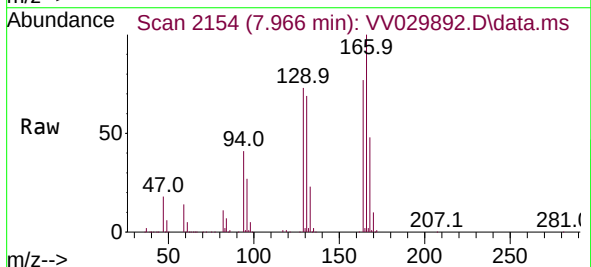
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.9	81.5
83	85.9	59.5	110.5
85	53.9	38.1	70.7

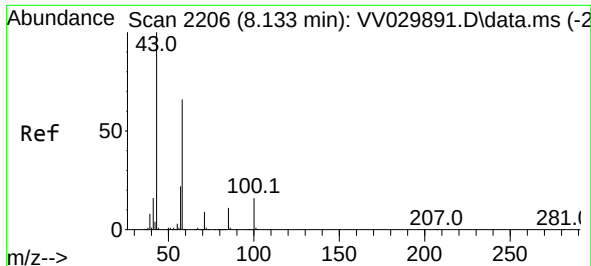


#46
Tetrachloroethene
Concen: 113.631 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.000 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

Tgt Ion: 164 Resp: 283004

Ion	Ratio	Lower	Upper
164	100		
129	93.8	64.6	120.0
131	89.4	61.8	114.8
166	129.0	90.9	168.9

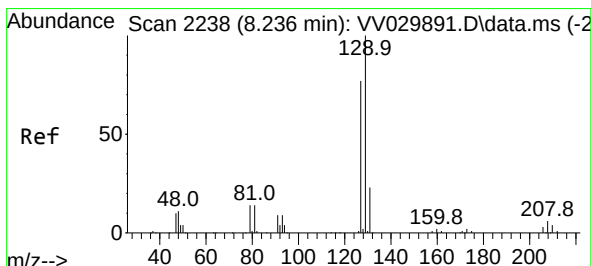
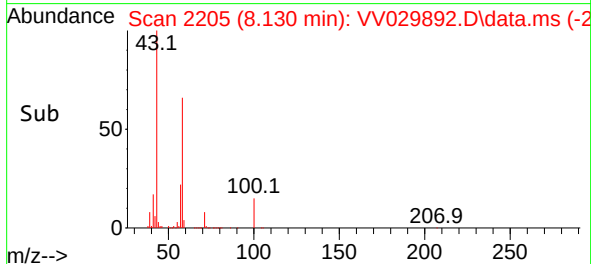
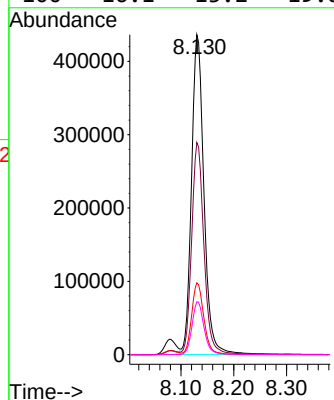
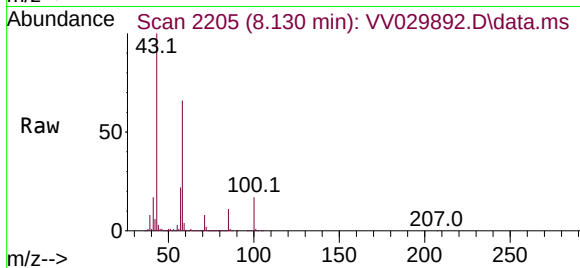




#48
2-Hexanone
Concen: 255.572 ug/L
RT: 8.130 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

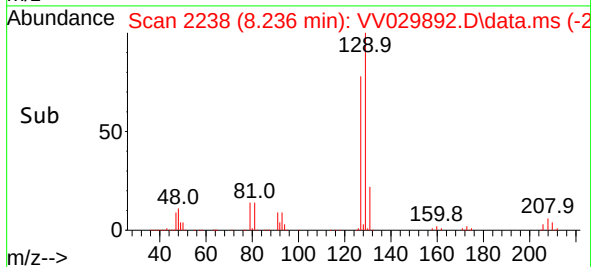
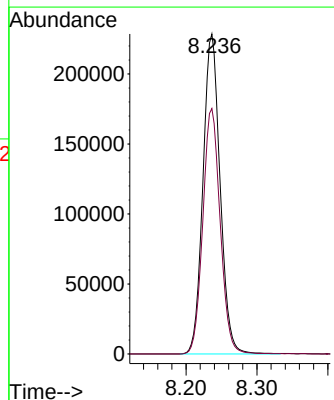
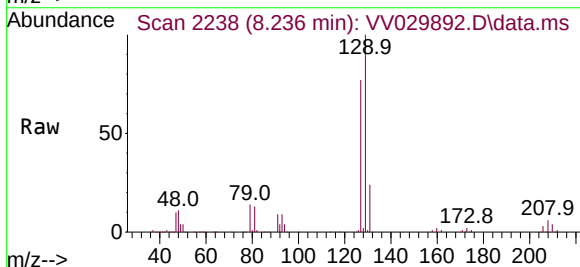
Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

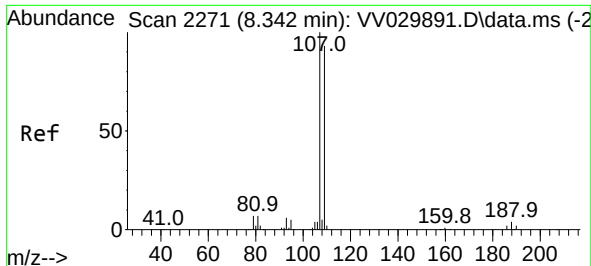
Tgt Ion: 43 Resp: 712790
Ion Ratio Lower Upper
43 100
58 65.1 53.2 79.8
57 22.3 17.6 26.4
100 16.1 13.2 19.8



#49
Dibromochloromethane
Concen: 112.833 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. -0.000 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

Tgt Ion: 129 Resp: 383382
Ion Ratio Lower Upper
129 100
127 76.7 53.5 99.5





#50

1,2-Dibromoethane

Concen: 115.915 ug/L

RT: 8.342 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD100205

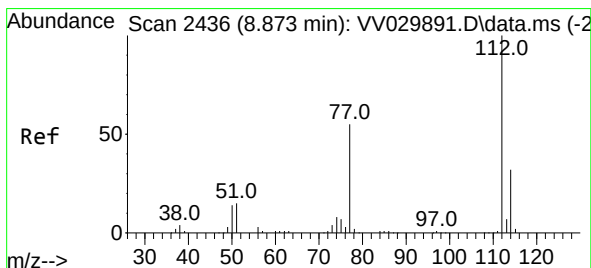
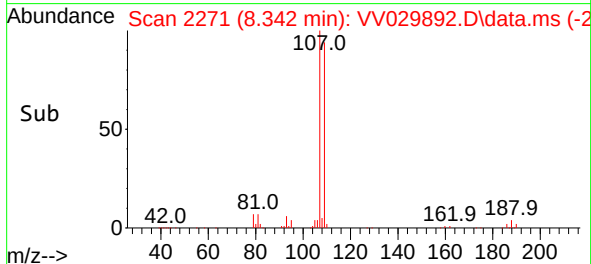
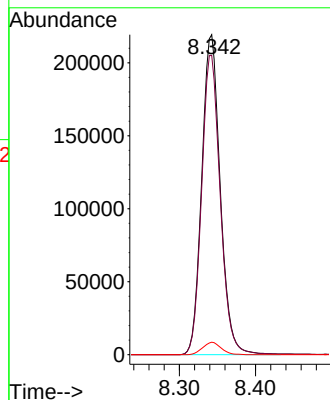
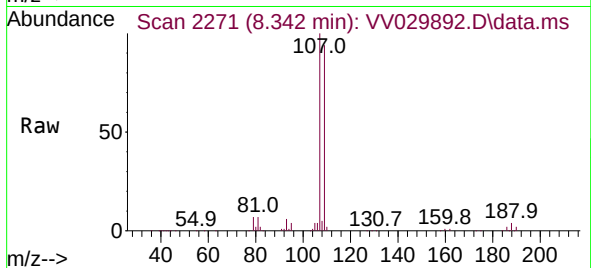
Tgt Ion:107 Resp: 370664

Ion Ratio Lower Upper

107 100

109 93.5 65.5 121.6

188 3.9 3.4 5.0



#51

Chlorobenzene

Concen: 117.380 ug/L

RT: 8.870 min Scan# 2435

Delta R.T. -0.003 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

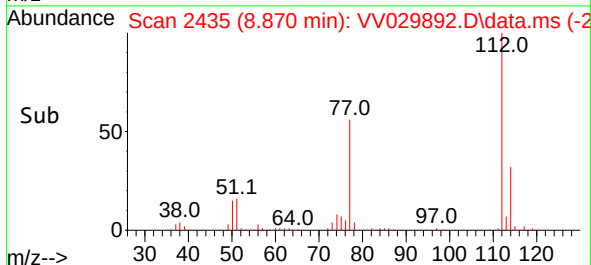
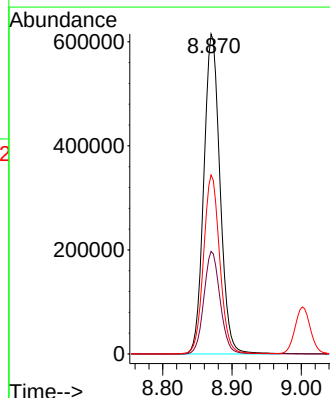
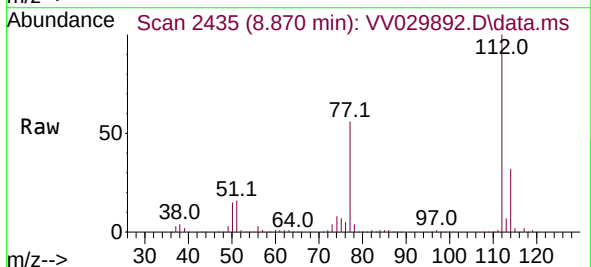
Tgt Ion:112 Resp: 998550

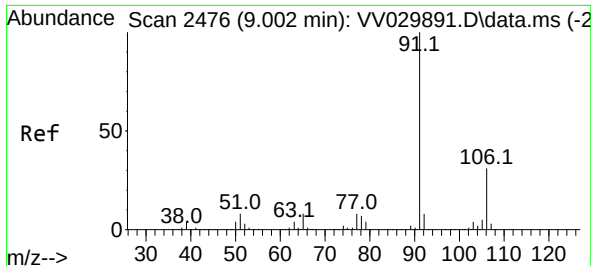
Ion Ratio Lower Upper

112 100

114 32.1 22.6 42.0

77 56.0 44.6 66.8

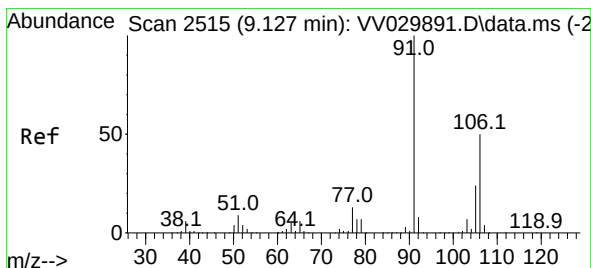
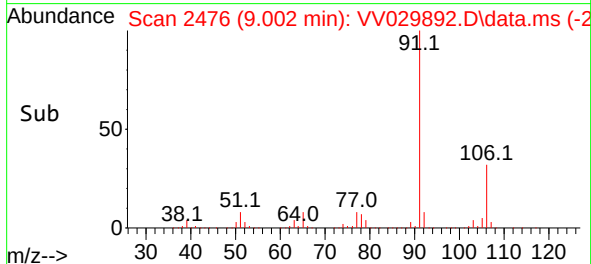
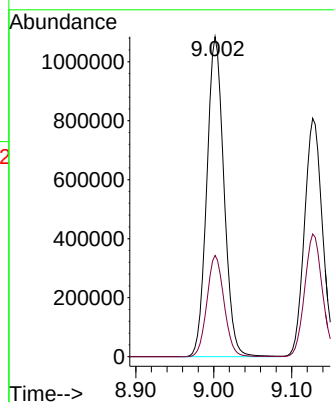
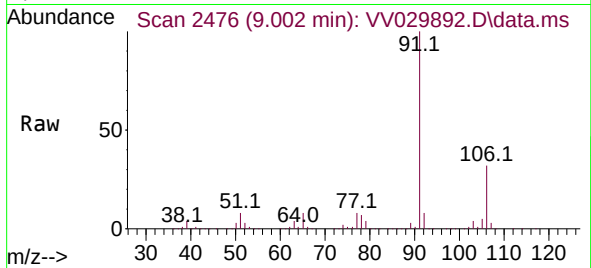




#52
Ethylbenzene
Concen: 118.257 ug/L
RT: 9.002 min Scan# 2476
Delta R.T. 0.000 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

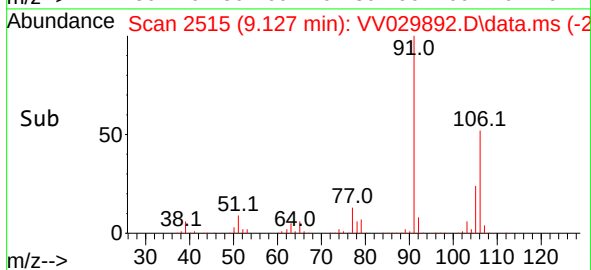
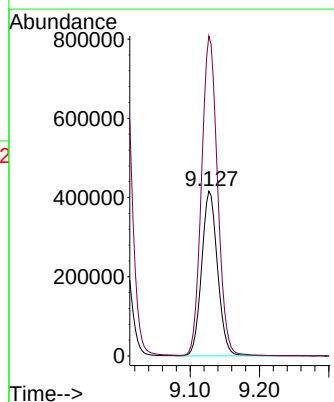
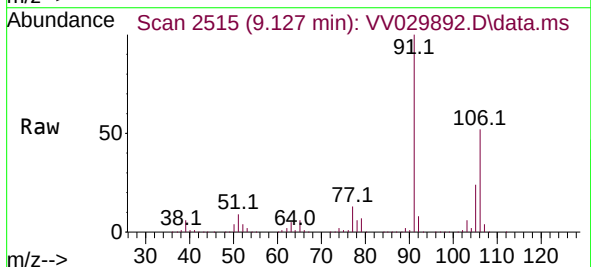
Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

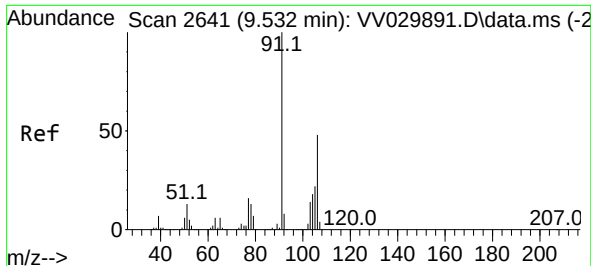
Tgt Ion: 91 Resp: 1656994
Ion Ratio Lower Upper
91 100
106 31.7 22.0 40.8



#53
m,p-Xylene
Concen: 118.932 ug/L
RT: 9.127 min Scan# 2515
Delta R.T. 0.000 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

Tgt Ion: 106 Resp: 660294
Ion Ratio Lower Upper
106 100
91 194.1 138.9 258.1

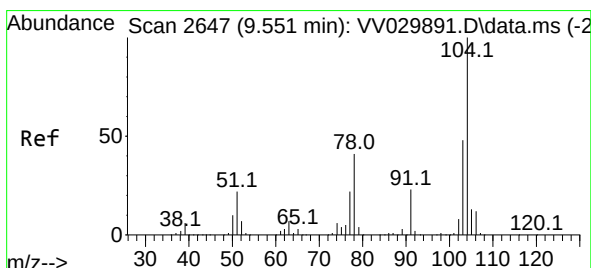
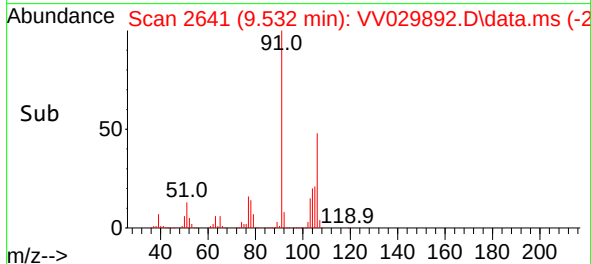
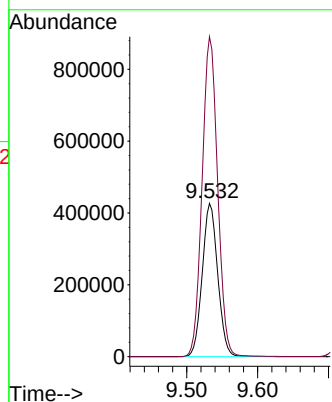
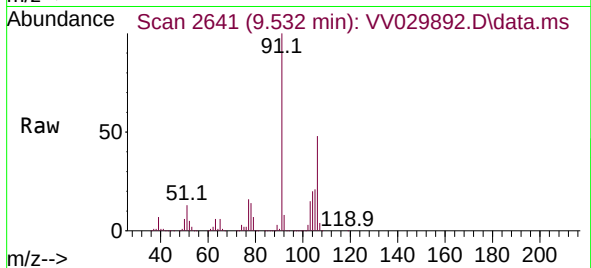




#54
o-Xylene
Concen: 118.042 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. 0.000 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

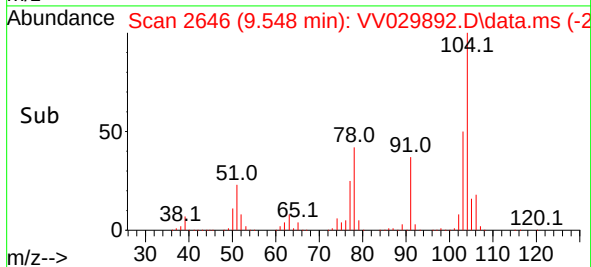
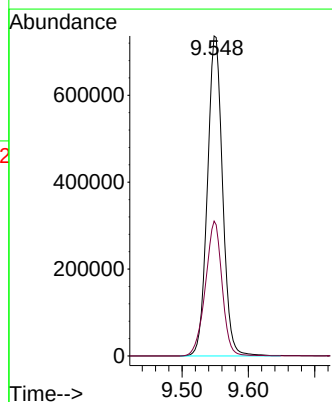
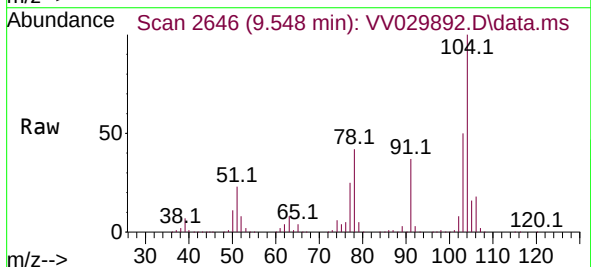
Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

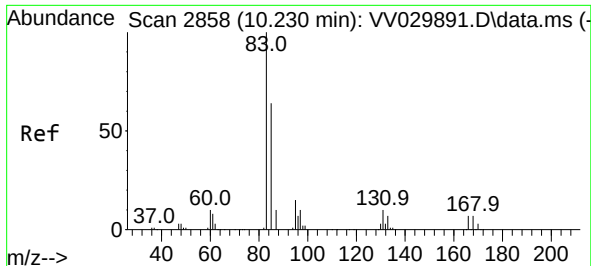
Tgt Ion:106 Resp: 646617
Ion Ratio Lower Upper
106 100
91 208.7 146.2 271.6



#55
Styrene
Concen: 121.448 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. -0.003 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

Tgt Ion:104 Resp: 1170133
Ion Ratio Lower Upper
104 100
78 42.1 28.6 53.0





#57

1,1,2,2-Tetrachloroethane

Concen: 116.877 ug/L

RT: 10.230 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD100205

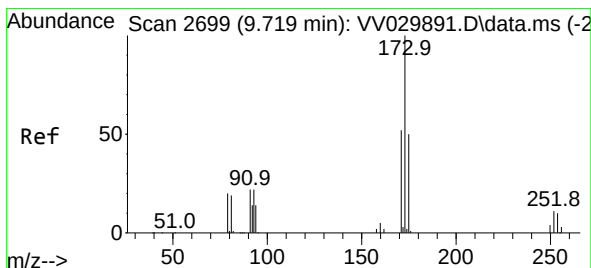
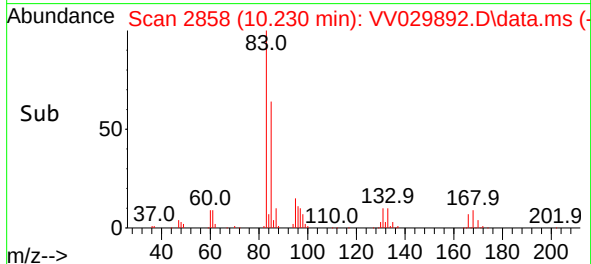
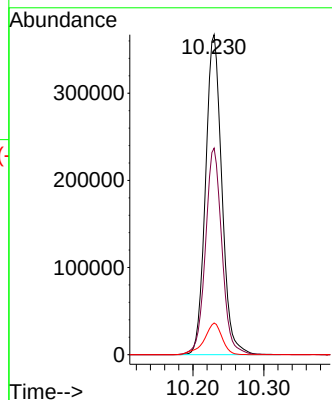
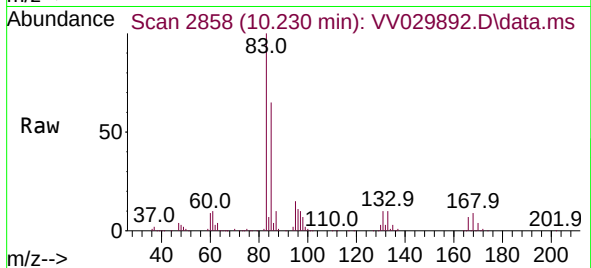
Tgt Ion: 83 Resp: 586474

Ion Ratio Lower Upper

83 100

85 64.6 44.9 83.3

131 9.9 8.1 12.1



#59

Bromoform

Concen: 99.643 ug/L

RT: 9.719 min Scan# 2699

Delta R.T. 0.000 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

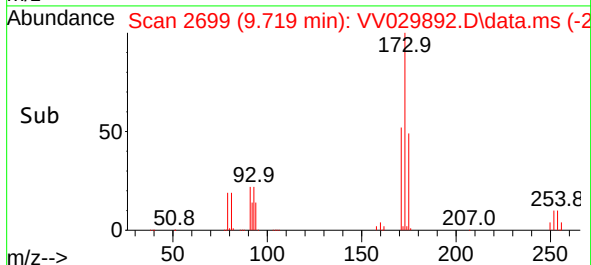
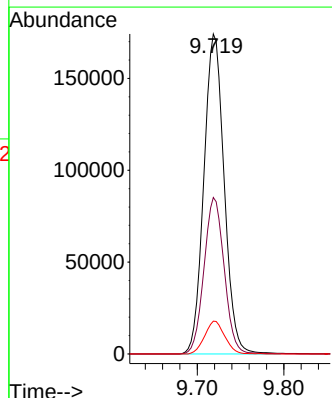
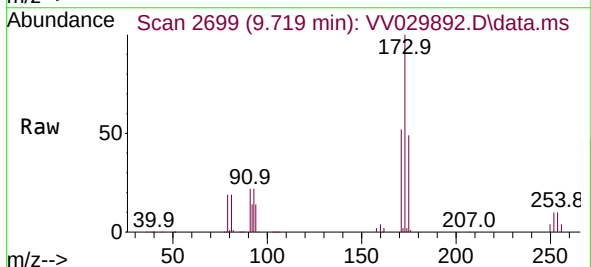
Tgt Ion: 173 Resp: 284059

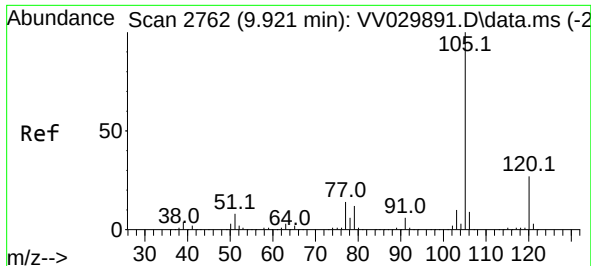
Ion Ratio Lower Upper

173 100

175 48.6 39.5 59.3

254 10.1 8.2 12.2

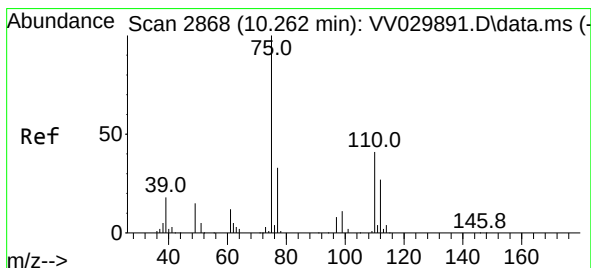
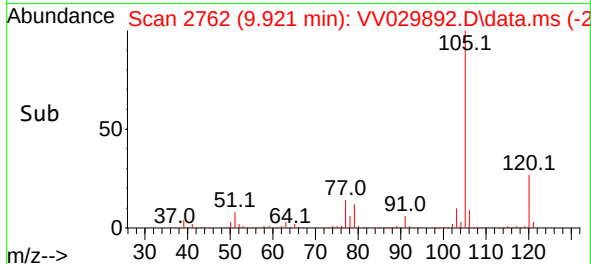
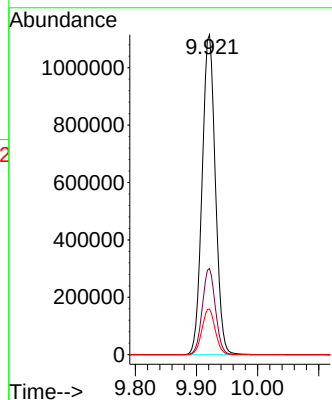
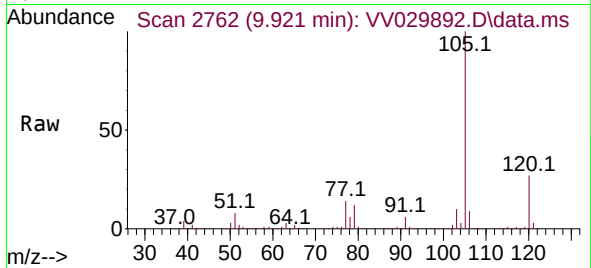




#60
Isopropylbenzene
Concen: 108.439 ug/L
RT: 9.921 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

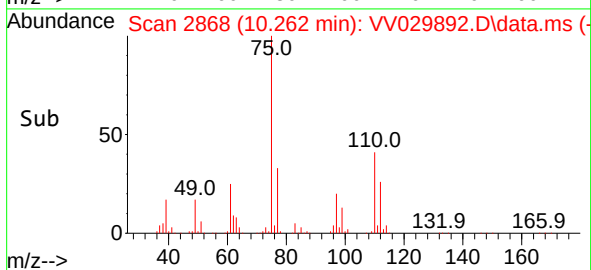
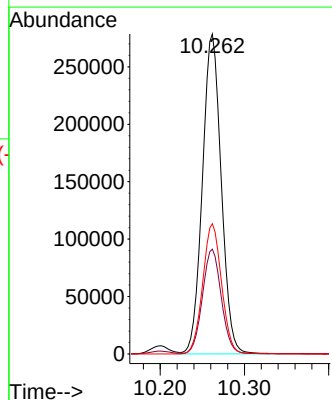
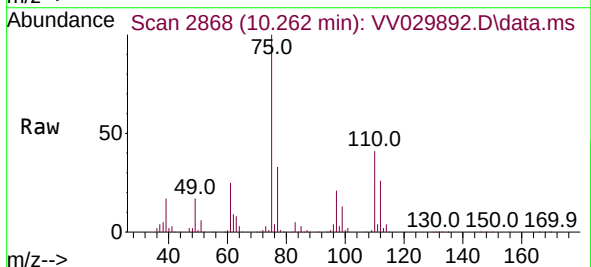
Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

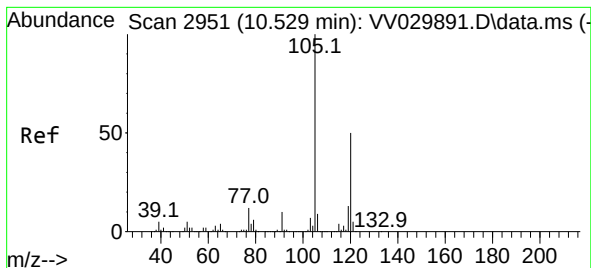
Tgt Ion:105 Resp: 1676292
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.2
77 14.3 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 105.549 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. 0.000 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

Tgt Ion: 75 Resp: 433695
Ion Ratio Lower Upper
75 100
77 32.7 25.9 38.9
110 40.8 32.3 48.5





#62

1,3,5-Trimethylbenzene

Concen: 108.059 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

Instrument :

MSVOA_V

ClientSampleId :

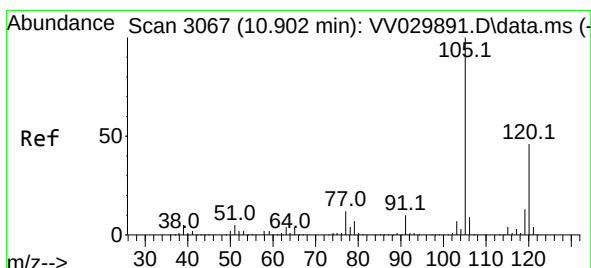
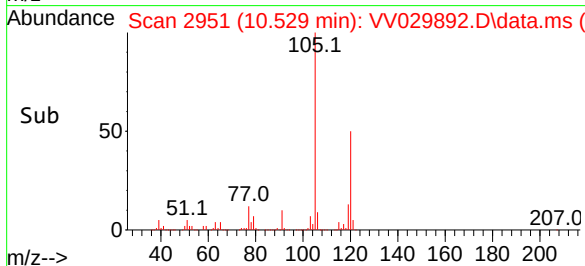
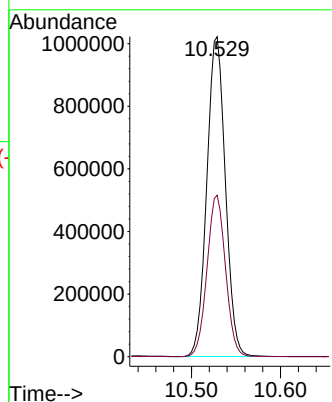
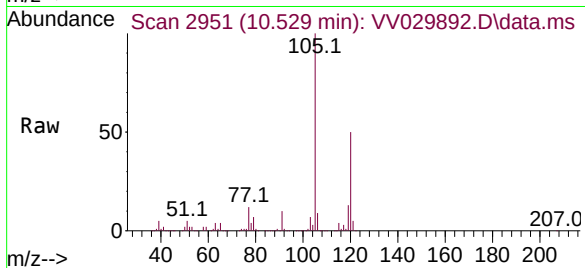
VSTD100205

Tgt Ion:105 Resp: 1476640

Ion Ratio Lower Upper

105 100

120 50.4 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 110.000 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. 0.000 min

Lab File: VV029892.D

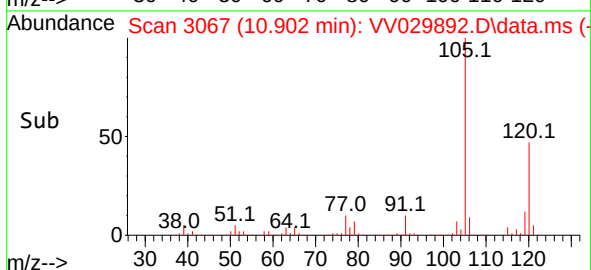
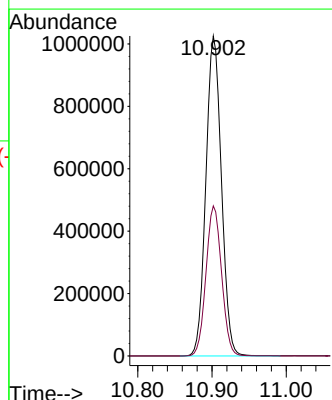
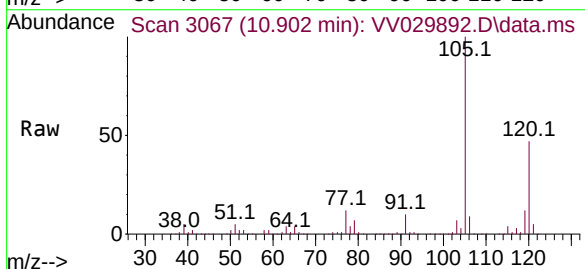
Acq: 18 Jan 2023 11:35

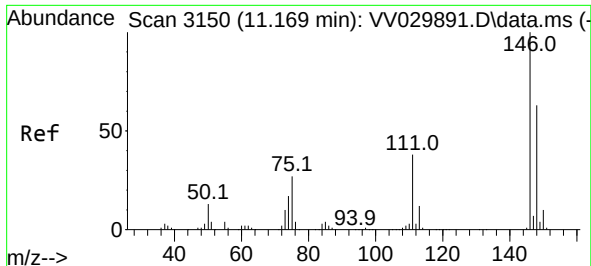
Tgt Ion:105 Resp: 1489461

Ion Ratio Lower Upper

105 100

120 47.1 37.0 55.6

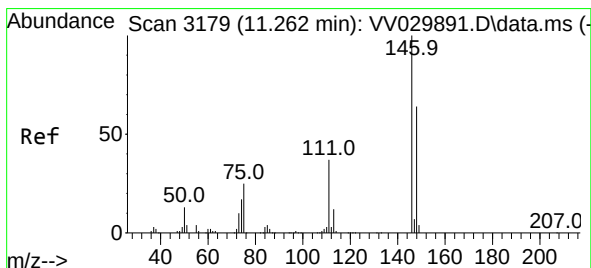
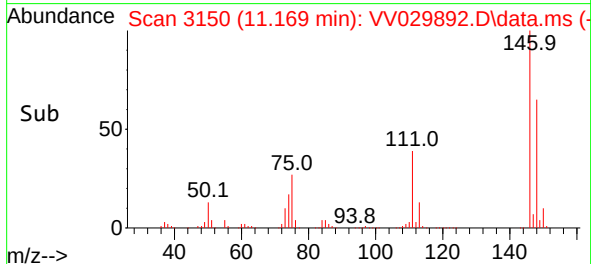
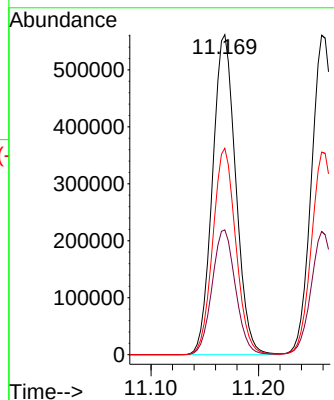
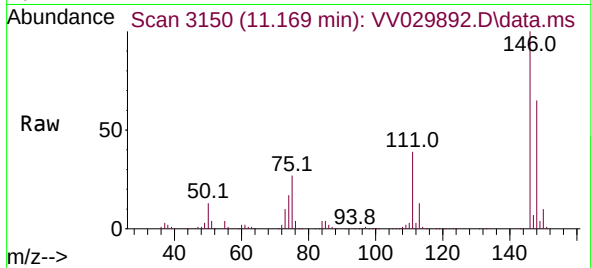




#64
1,3-Dichlorobenzene
Concen: 110.297 ug/L
RT: 11.169 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

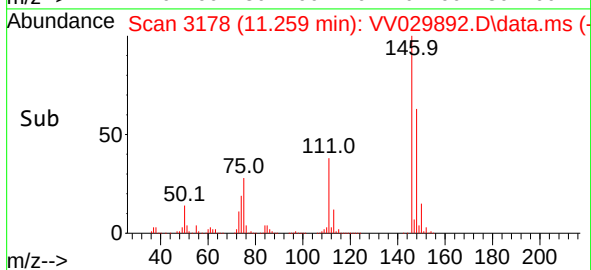
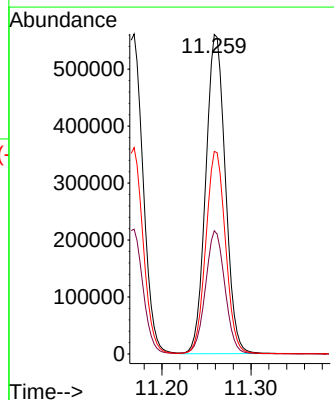
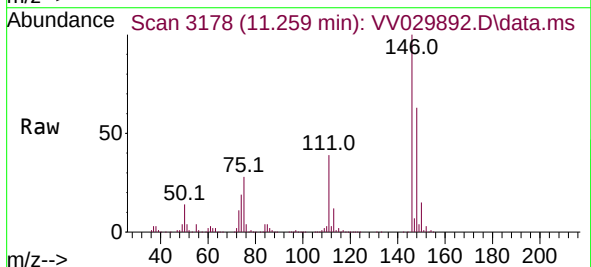
Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

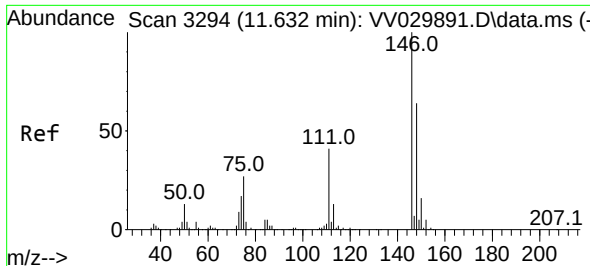
Tgt Ion:146 Resp: 845656
Ion Ratio Lower Upper
146 100
111 39.0 26.9 50.1
148 64.5 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 109.703 ug/L
RT: 11.259 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

Tgt Ion:146 Resp: 855912
Ion Ratio Lower Upper
146 100
111 38.5 26.2 48.8
148 63.4 44.9 83.5

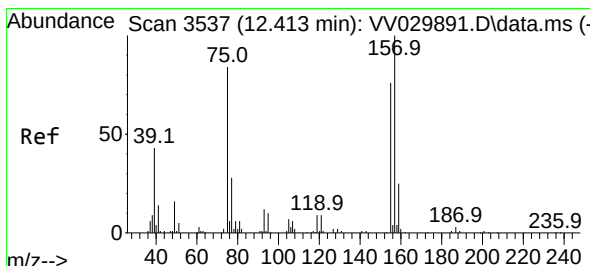
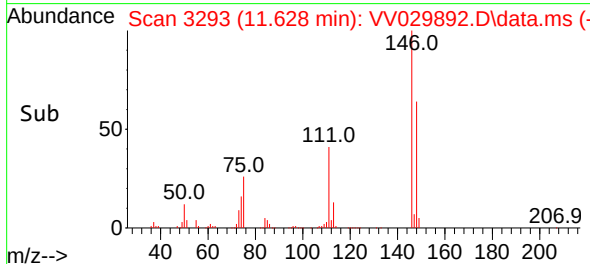
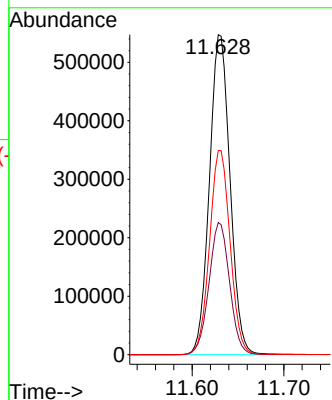
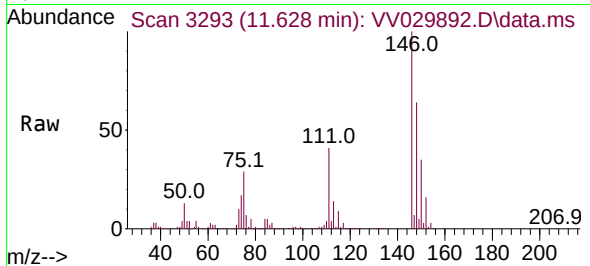




#67
1,2-Dichlorobenzene
Concen: 109.185 ug/L
RT: 11.628 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

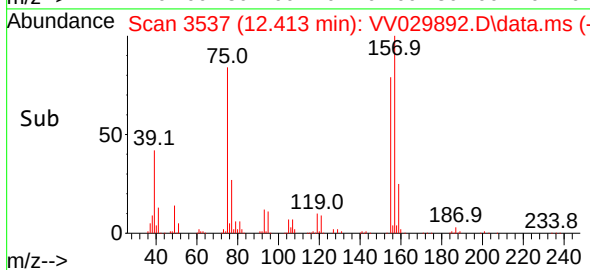
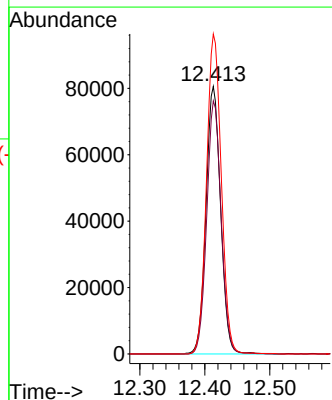
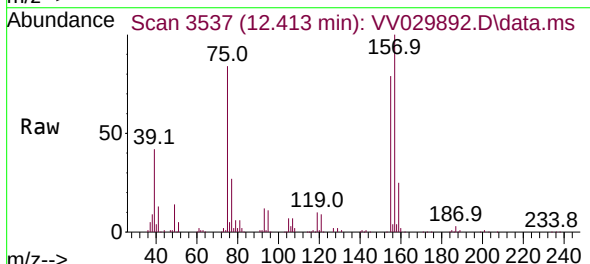
Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

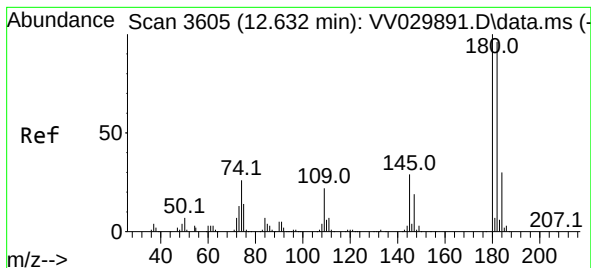
Tgt Ion:146 Resp: 854477
Ion Ratio Lower Upper
146 100
111 41.3 32.7 49.1
148 63.8 51.0 76.4



#68
1,2-Dibromo-3-chloropropane
Concen: 101.003 ug/L
RT: 12.413 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

Tgt Ion: 75 Resp: 126485
Ion Ratio Lower Upper
75 100
155 94.6 72.3 108.5
157 119.6 95.4 143.2





#69

1,3,5-Trichlorobenzene

Concen: 109.776 ug/L

RT: 12.632 min Scan# 3605

Delta R.T. 0.000 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD100205

Tgt Ion:180 Resp: 664957

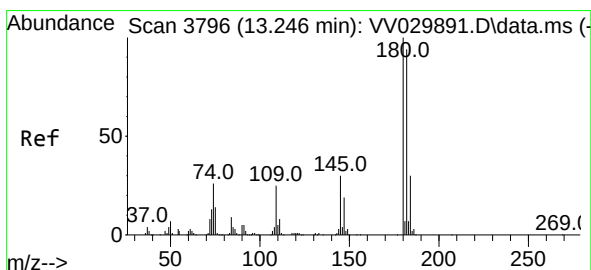
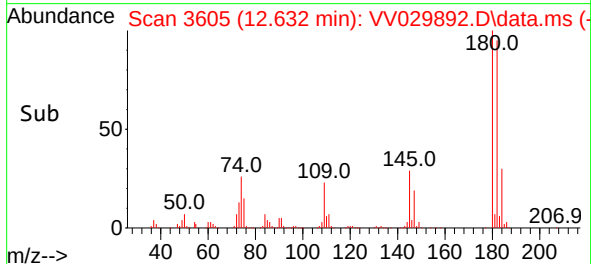
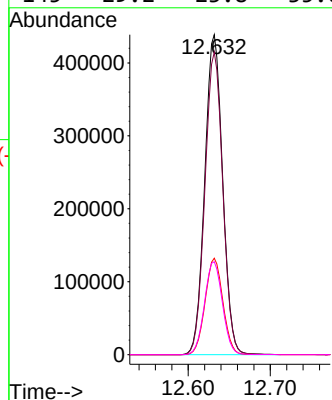
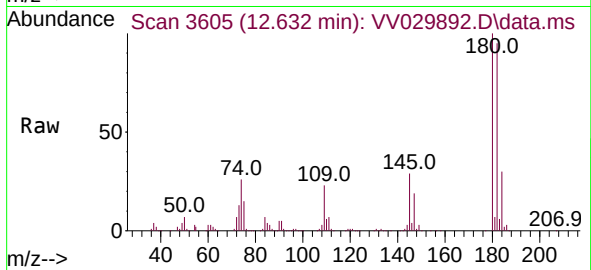
Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.4

184 30.0 23.9 35.9

145 29.2 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 112.587 ug/L

RT: 13.246 min Scan# 3796

Delta R.T. -0.000 min

Lab File: VV029892.D

Acq: 18 Jan 2023 11:35

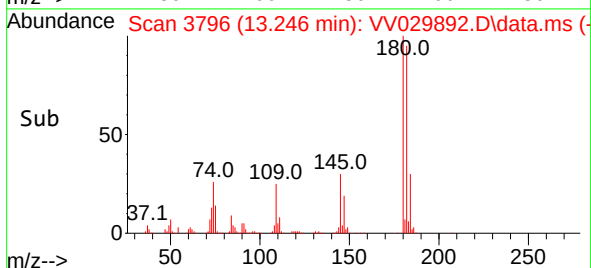
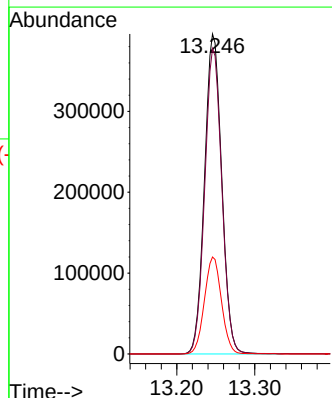
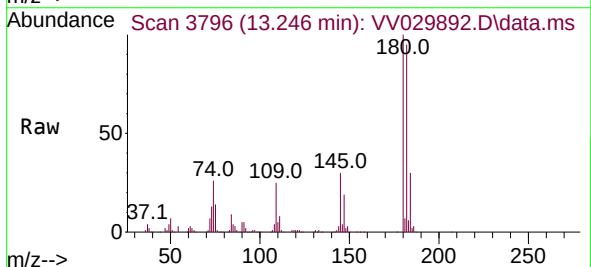
Tgt Ion:180 Resp: 605343

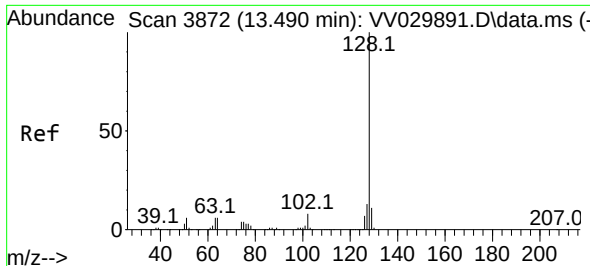
Ion Ratio Lower Upper

180 100

182 94.8 76.0 114.0

145 30.2 24.0 36.0

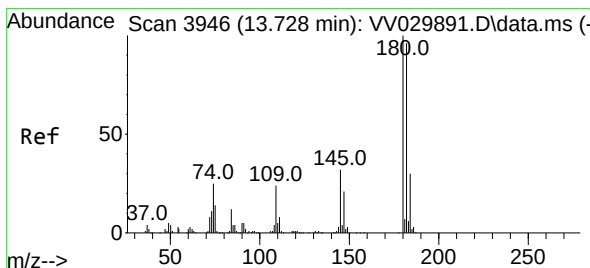
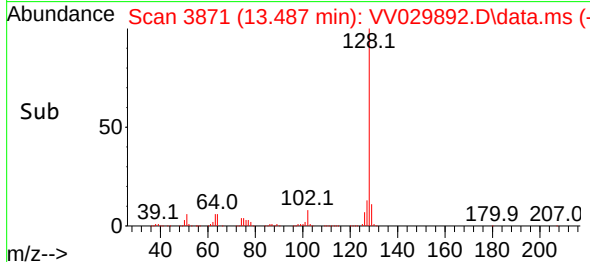
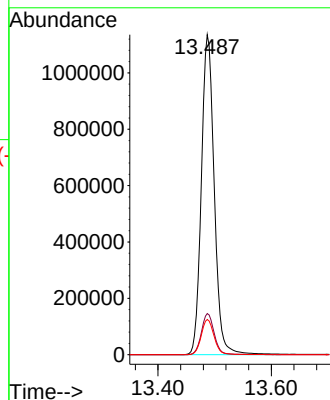
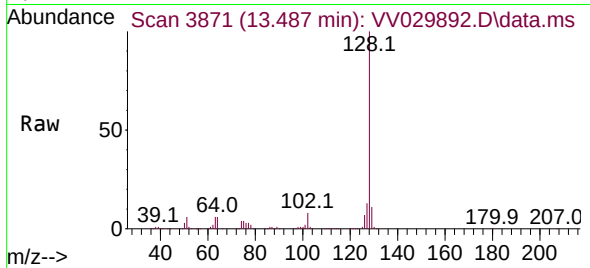




#71
Naphthalene
Concen: 140.624 ug/L
RT: 13.487 min Scan# 3871
Delta R.T. -0.003 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

Tgt Ion:128 Resp: 1791504
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 11.0 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 112.973 ug/L
RT: 13.728 min Scan# 3946
Delta R.T. 0.000 min
Lab File: VV029892.D
Acq: 18 Jan 2023 11:35

Tgt Ion:180 Resp: 595378
Ion Ratio Lower Upper
180 100
182 94.8 76.3 114.5
145 31.6 25.7 38.5

