

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102621\
 Data File : VW023051.D
 Acq On : 26 Oct 2021 20:26
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005325

Quant Time: Oct 27 01:36:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 27 01:29:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	137935	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	138581	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	73589	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	50671	4.204	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.000%
7) Chloroethane-d5	1.567	69	36306	4.870	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.400%
11) 1,1-Dichloroethene-d2	2.108	63	84839	4.879	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.600%
20) 2-Butanone-d5	3.902	46	119444	61.777	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.560%
24) Chloroform-d	4.352	84	93158	4.754	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
26) 1,2-Dichloroethane-d4	5.037	65	48797	5.283	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.600%
32) Benzene-d6	5.050	84	212064	5.241	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.800%
36) 1,2-Dichloropropane-d6	6.072	67	64681	5.193	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.800%
41) Toluene-d8	7.316	98	202806	5.580	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.600%
43) trans-1,3-Dichloroprop...	7.625	79	22851	5.236	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.800%
46) 2-Hexanone-d5	8.091	63	88098	54.528	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.060%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	46100	5.360	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	70660	5.382	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	43706	4.995	ug/L	98
3) Chloromethane	1.240	50	48377	5.115	ug/L	97
5) Vinyl chloride	1.310	62	47949	4.908	ug/L	99
6) Bromomethane	1.522	94	24501	4.964	ug/L	99
8) Chloroethane	1.584	64	25504	4.993	ug/L	99
9) Trichlorofluoromethane	1.754	101	62094	4.710	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	40646	5.407	ug/L	98
12) 1,1-Dichloroethene	2.117	96	37218	5.270	ug/L	97
13) Acetone	2.198	43	62521	65.908	ug/L	90
14) Carbon disulfide	2.294	76	117664	6.118	ug/L	99
15) Methyl Acetate	2.442	43	15436	4.278	ug/L	94
16) Methylene chloride	2.506	84	54441	7.019	ug/L	95
17) Methyl tert-butyl Ether	2.770	73	89430	5.304	ug/L	94
18) trans-1,2-Dichloroethene	2.760	96	46797	6.207	ug/L	99
19) 1,1-Dichloroethane	3.191	63	86853	6.270	ug/L	97
21) 2-Butanone	3.985	43	94747	51.019	ug/L	98
22) cis-1,2-Dichloroethene	3.915	96	47500	5.557	ug/L	# 87
23) Bromochloromethane	4.249	128	21746	5.604	ug/L	87
25) Chloroform	4.378	83	103611	5.661	ug/L	100

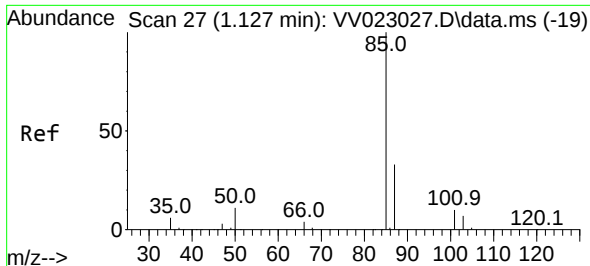
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 Data File : VW023051.D
 Acq On : 26 Oct 2021 20:26
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Quant Time: Oct 27 01:36:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 27 01:29:33 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	45852	4.750	ug/L	100
29) 1,1,1-Trichloroethane	4.609	97	75801	4.841	ug/L	99
30) Cyclohexane	4.680	56	62184	4.548	ug/L	98
31) Carbon tetrachloride	4.831	117	65962	4.895	ug/L	98
33) Benzene	5.101	78	189012	5.068	ug/L	100
34) Trichloroethene	5.918	95	47231	5.041	ug/L	98
35) Methylcyclohexane	6.133	83	67397	5.024	ug/L	97
37) 1,2-Dichloropropane	6.175	63	47399	5.043	ug/L	98
38) Bromodichloromethane	6.513	83	57181	4.932	ug/L	97
39) cis-1,3-Dichloropropene	7.030	75	60214	5.145	ug/L	98
40) 4-Methyl-2-pentanone	7.230	43	235301	53.174	ug/L	100
42) Toluene	7.390	91	203877	5.395	ug/L	98
44) trans-1,3-Dichloropropene	7.654	75	50434	5.209	ug/L	100
45) 1,1,2-Trichloroethane	7.841	97	32811	4.990	ug/L	97
47) Tetrachloroethene	7.976	164	39497	4.990	ug/L	98
48) 2-Hexanone	8.143	43	175332	53.375	ug/L	99
49) Dibromochloromethane	8.249	129	39132	5.001	ug/L	97
50) 1,2-Dibromoethane	8.355	107	29302	4.949	ug/L	98
51) Chlorobenzene	8.882	112	128232	5.165	ug/L	99
52) Ethylbenzene	9.014	91	197680	5.270	ug/L	99
53) m,p-xylene	9.140	106	78697	5.232	ug/L	94
54) o-xylene	9.545	106	76051	5.370	ug/L	97
55) Styrene	9.564	104	133231	5.448	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.242	83	35806	4.871	ug/L	100
59) Bromoform	9.734	173	20914	4.877	ug/L	99
60) Isopropylbenzene	9.931	105	199211	5.353	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	26069	5.033	ug/L	99
62) 1,3,5-Trimethylbenzene	10.541	105	154565	5.170	ug/L	99
63) 1,2,4-Trimethylbenzene	10.914	105	159186	5.335	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	103391	5.279	ug/L	99
65) 1,4-Dichlorobenzene	11.275	146	101616	5.108	ug/L	99
67) 1,2-Dichlorobenzene	11.644	146	95432	5.234	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.429	75	4897	4.792	ug/L	97
69) 1,3,5-Trichlorobenzene	12.647	180	76889	5.155	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	56551	5.067	ug/L	98
71) Naphthalene	13.503	128	81348	4.794	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	52227	5.041	ug/L	100

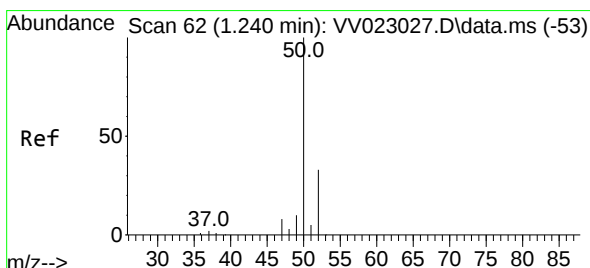
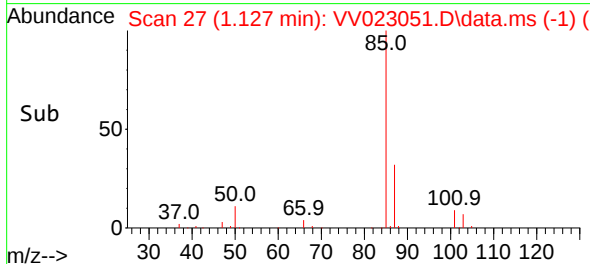
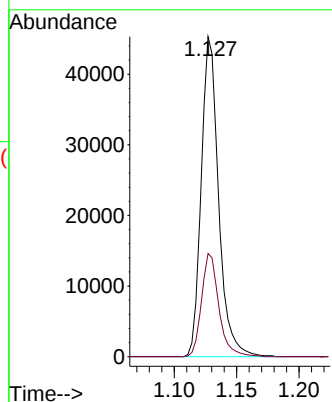
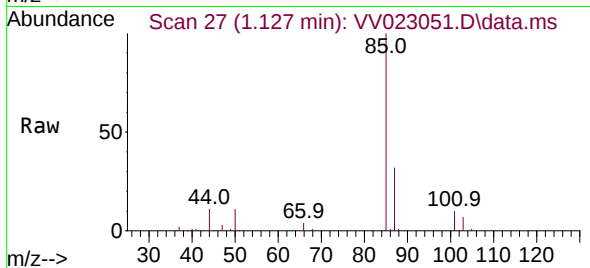
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#2
 Dichlorodifluoromethane
 Concen: 4.995 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV023051.D
 Acq: 26 Oct 2021 20:26

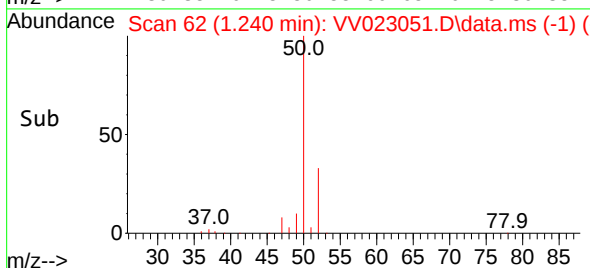
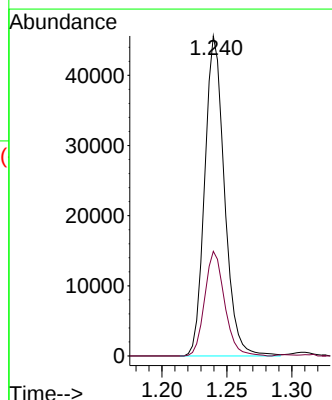
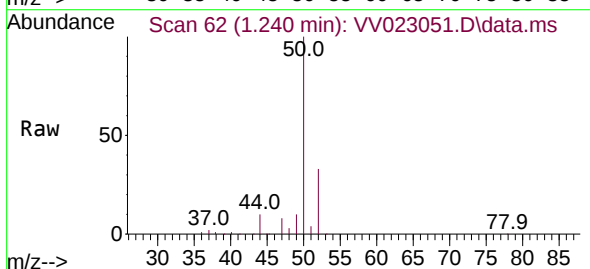
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005325

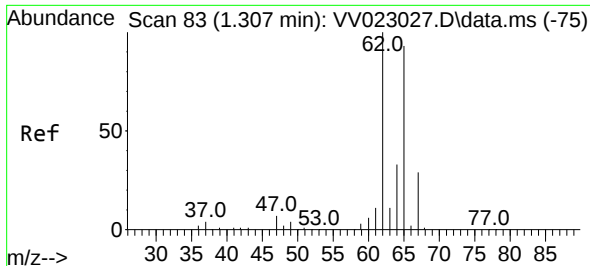
Tgt Ion: 85 Resp: 43706
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.6 39.8



#3
 Chloromethane
 Concen: 5.115 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV023051.D
 Acq: 26 Oct 2021 20:26

Tgt Ion: 50 Resp: 48377
 Ion Ratio Lower Upper
 50 100
 52 32.7 24.3 45.1

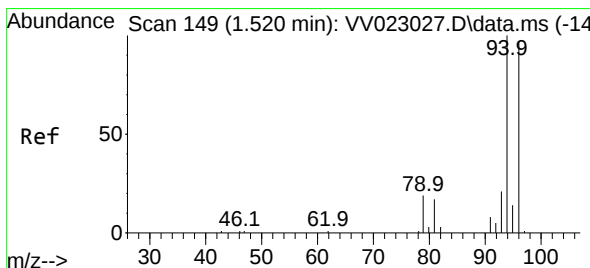
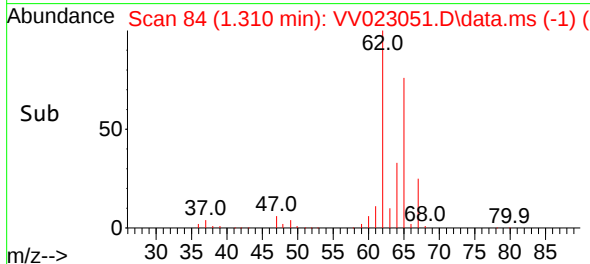
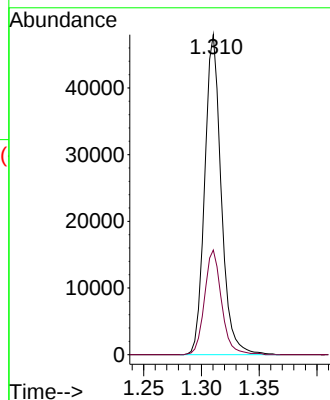
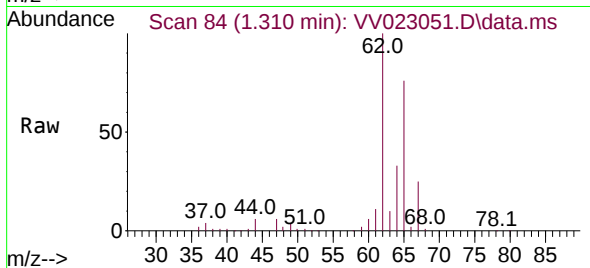




#5
 Vinyl chloride
 Concen: 4.908 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023051.D
 Acq: 26 Oct 2021 20:26

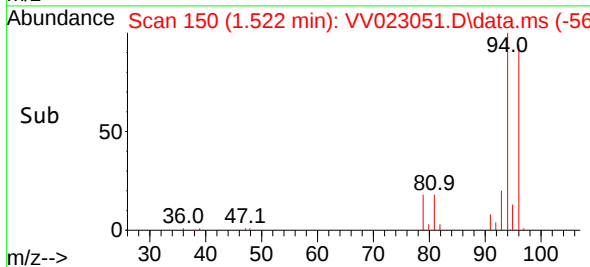
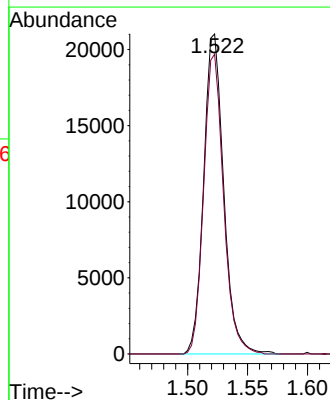
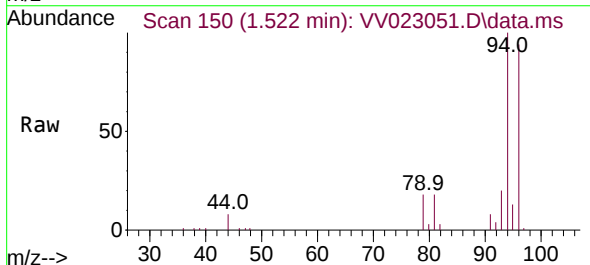
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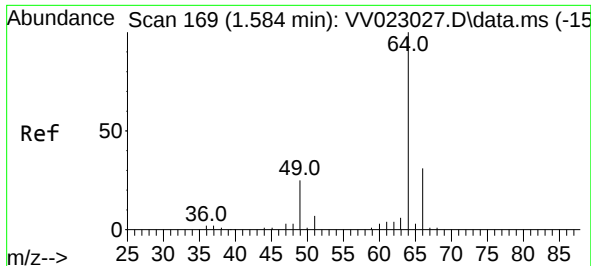
Tgt Ion: 62 Resp: 47949
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.1 42.9



#6
 Bromomethane
 Concen: 4.964 ug/L
 RT: 1.522 min Scan# 150
 Delta R.T. 0.003 min
 Lab File: VV023051.D
 Acq: 26 Oct 2021 20:26

Tgt Ion: 94 Resp: 24501
 Ion Ratio Lower Upper
 94 100
 96 93.7 65.0 120.8

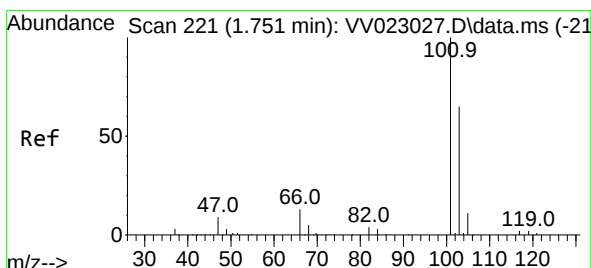
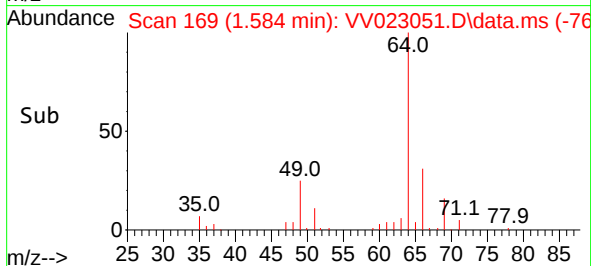
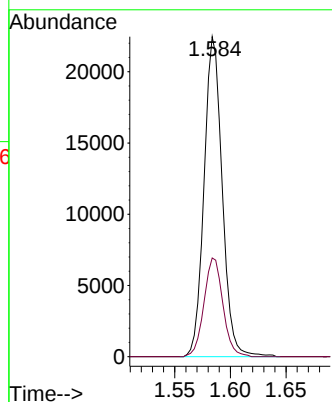
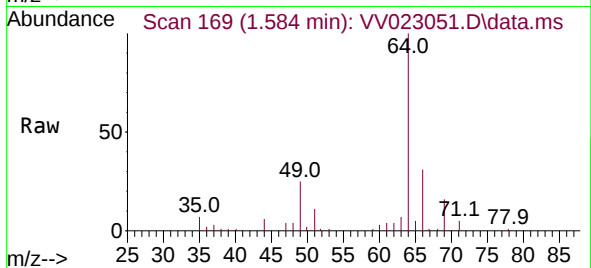




#8
Chloroethane
Concen: 4.993 ug/L
RT: 1.584 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

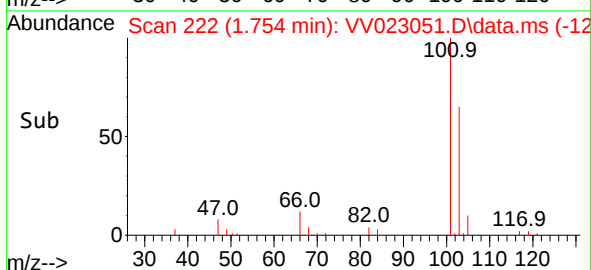
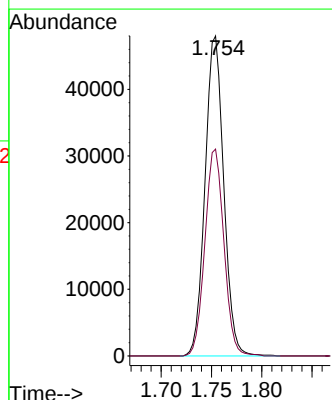
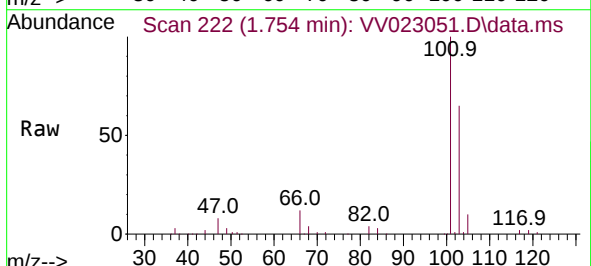
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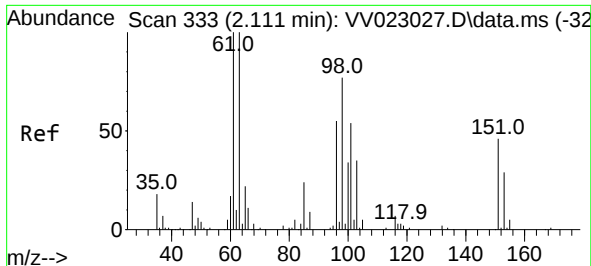
Tgt Ion: 64 Resp: 25504
Ion Ratio Lower Upper
64 100
66 30.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.710 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

Tgt Ion:101 Resp: 62094
Ion Ratio Lower Upper
101 100
103 65.8 52.6 79.0

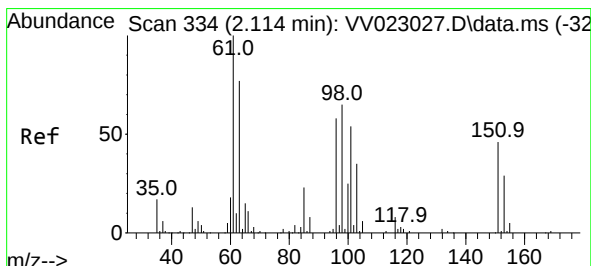
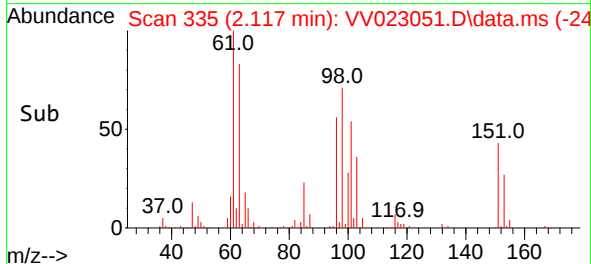
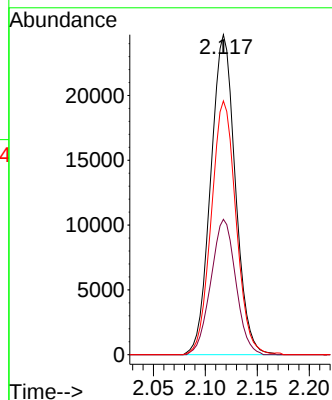
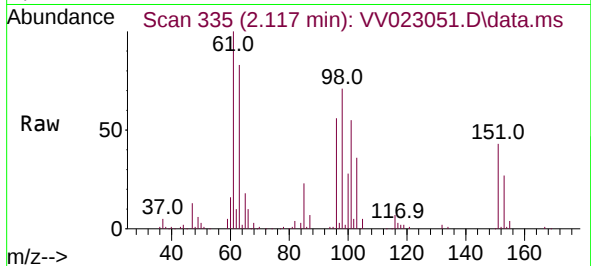




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.407 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.006 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

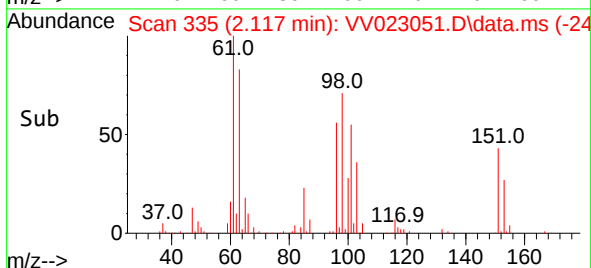
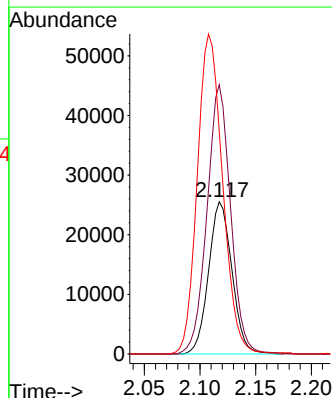
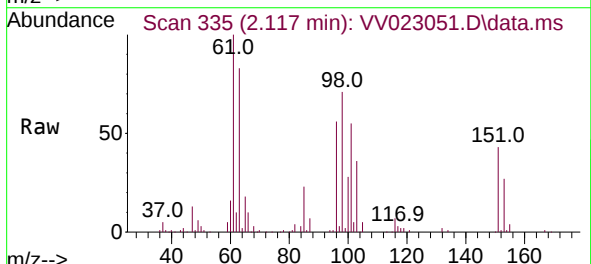
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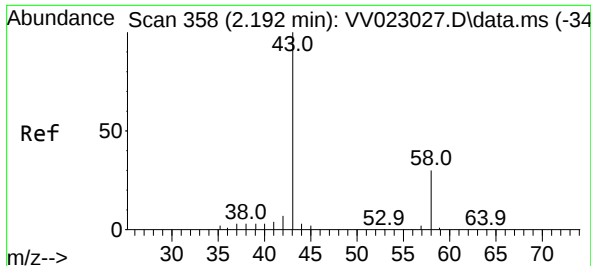
Tgt Ion:101 Resp: 40646
Ion Ratio Lower Upper
101 100
85 42.8 35.3 52.9
151 79.7 62.2 93.2



#12
1,1-Dichloroethene
Concen: 5.270 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

Tgt Ion: 96 Resp: 37218
Ion Ratio Lower Upper
96 100
61 177.0 121.5 225.7
63 146.4 99.6 185.0





#13

Acetone

Concen: 65.908 ug/L

RT: 2.198 min Scan# 30

Delta R.T. 0.006 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

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ClientSampleId :

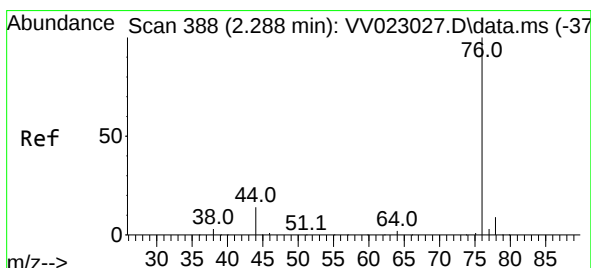
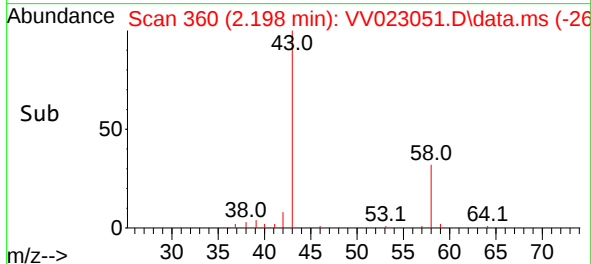
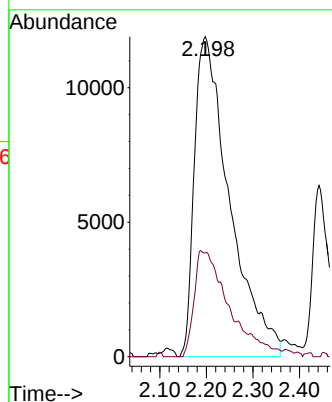
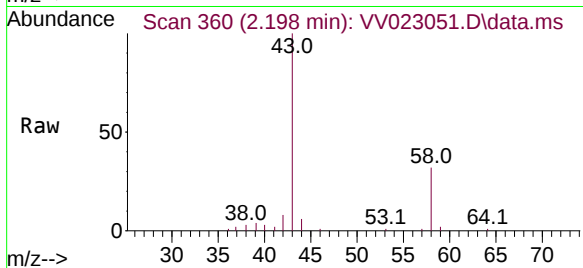
VSTD005325

Tgt Ion: 43 Resp: 62521

Ion Ratio Lower Upper

43 100

58 32.8 0.0 55.4



#14

Carbon disulfide

Concen: 6.118 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.006 min

Lab File: VV023051.D

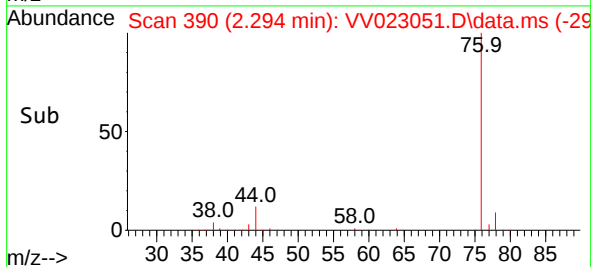
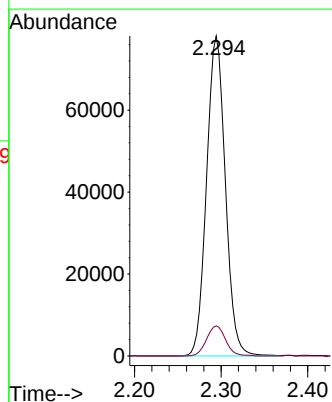
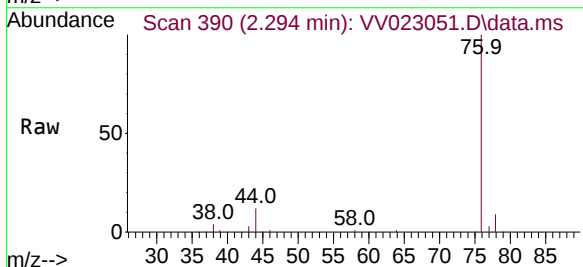
Acq: 26 Oct 2021 20:26

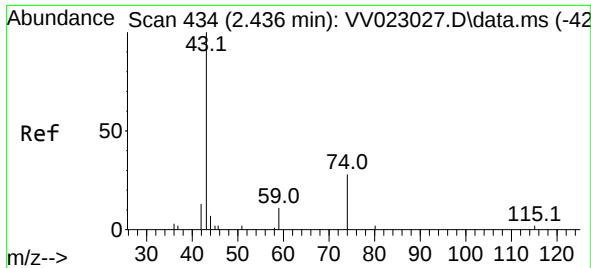
Tgt Ion: 76 Resp: 117664

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8

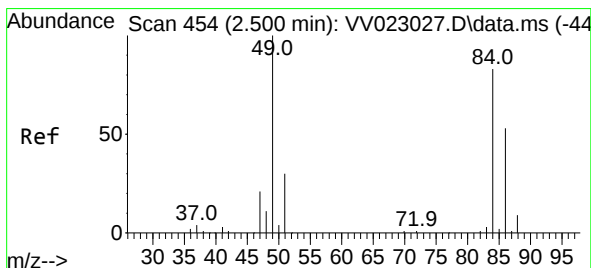
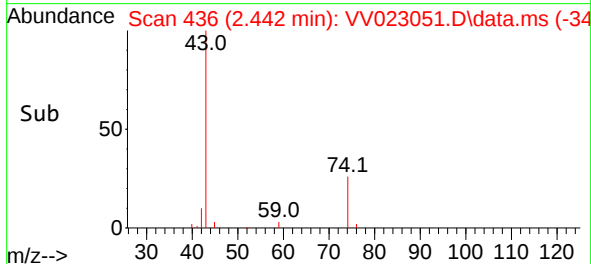
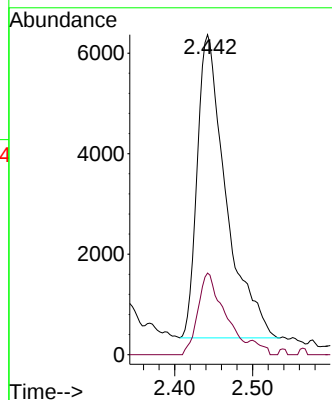
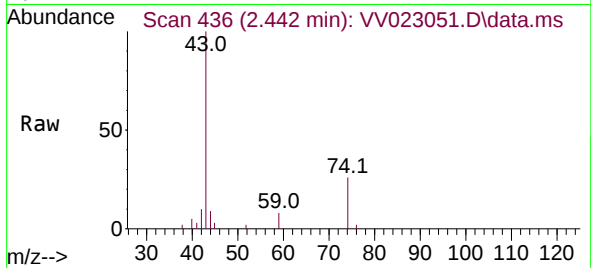




#15
Methyl Acetate
Concen: 4.278 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

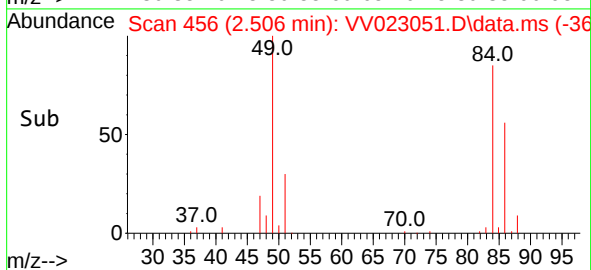
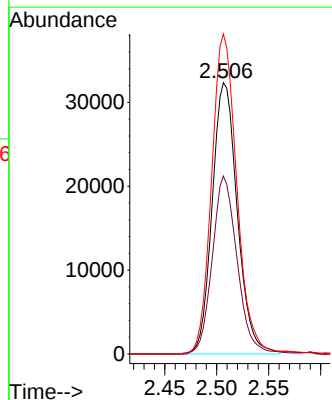
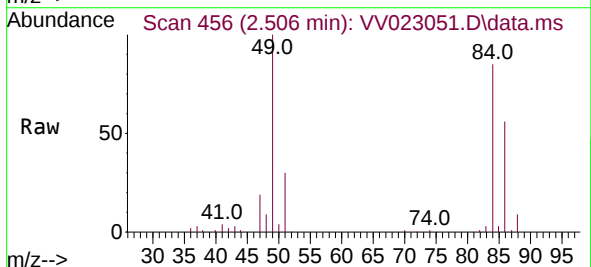
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

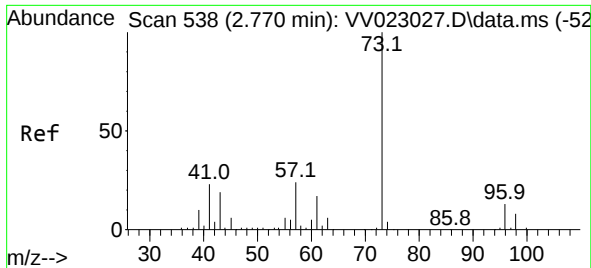
Tgt Ion: 43 Resp: 15436
Ion Ratio Lower Upper
43 100
74 24.6 22.2 33.2



#16
Methylene chloride
Concen: 7.019 ug/L
RT: 2.506 min Scan# 456
Delta R.T. 0.006 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

Tgt Ion: 84 Resp: 54441
Ion Ratio Lower Upper
84 100
86 65.6 42.3 78.5
49 118.0 79.7 148.1

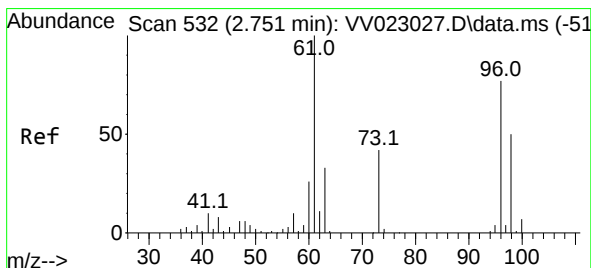
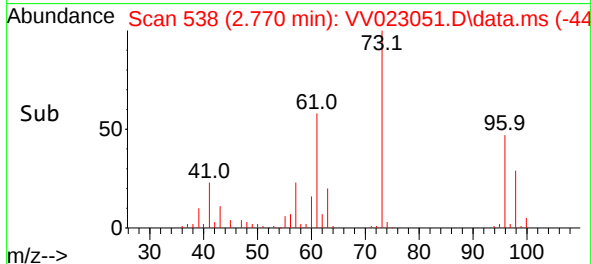
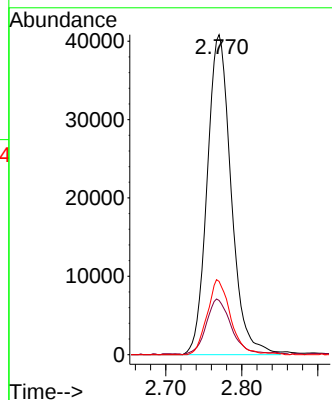
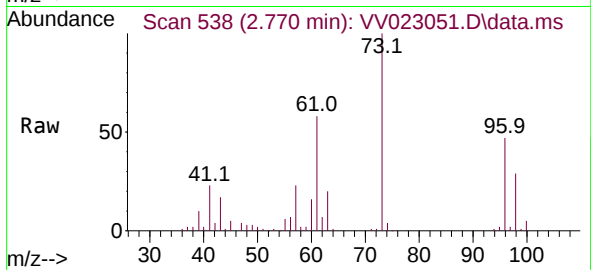




#17
Methyl tert-butyl Ether
Concen: 5.304 ug/L
RT: 2.770 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

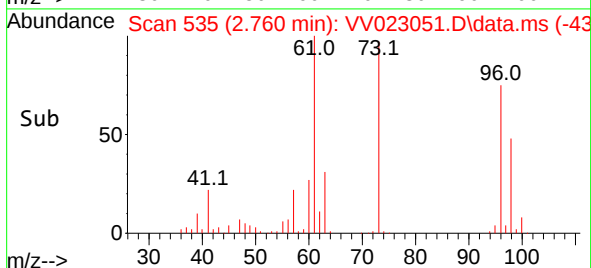
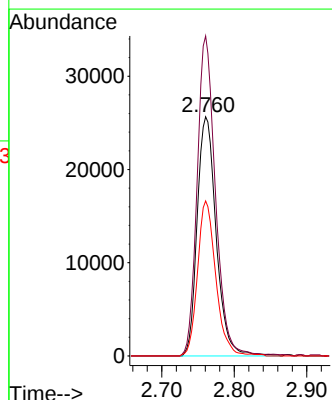
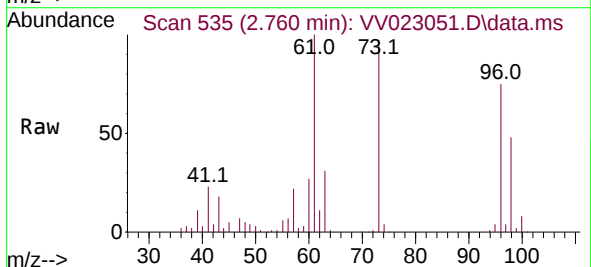
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

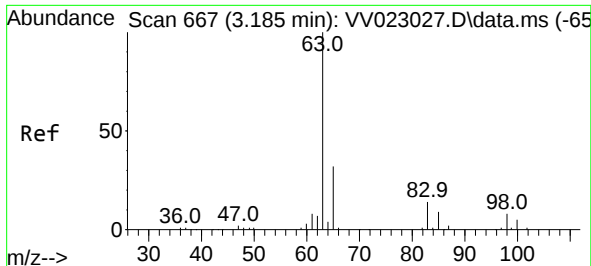
Tgt Ion: 73 Resp: 89430
Ion Ratio Lower Upper
73 100
43 18.2 17.4 26.0
57 22.6 16.5 24.7



#18
trans-1,2-Dichloroethene
Concen: 6.207 ug/L
RT: 2.760 min Scan# 535
Delta R.T. 0.009 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

Tgt Ion: 96 Resp: 46797
Ion Ratio Lower Upper
96 100
61 133.8 93.2 173.2
98 64.8 47.0 87.2





#19

1,1-Dichloroethane

Concen: 6.270 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005325

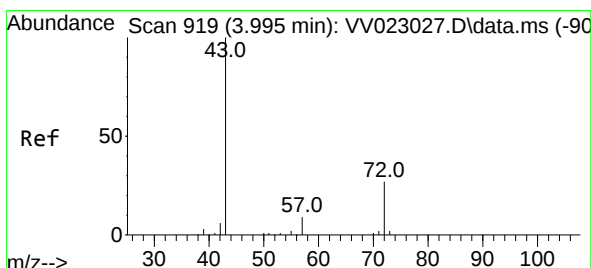
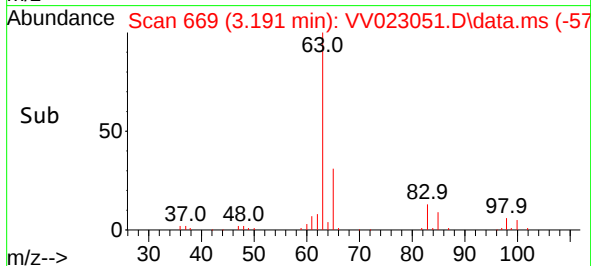
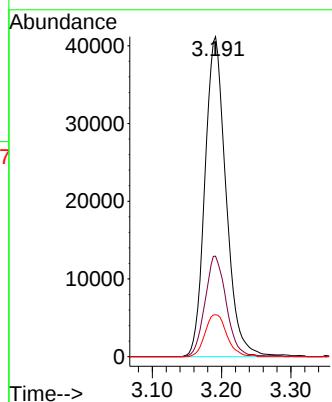
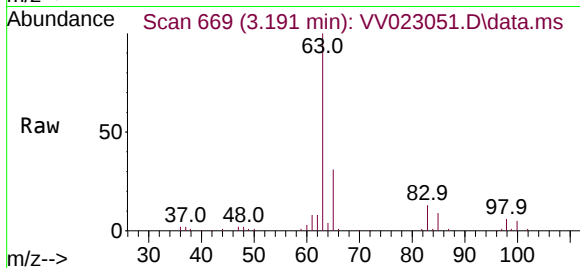
Tgt Ion: 63 Resp: 86853

Ion Ratio Lower Upper

63 100

65 31.4 22.6 42.0

83 13.1 11.1 20.7



#21

2-Butanone

Concen: 51.019 ug/L

RT: 3.985 min Scan# 916

Delta R.T. -0.010 min

Lab File: VV023051.D

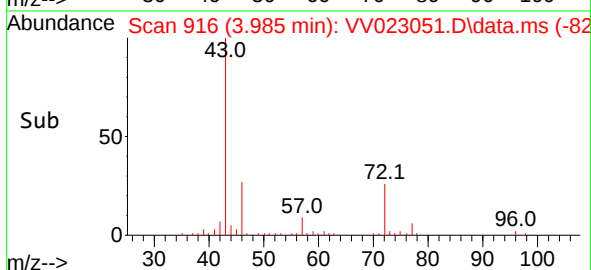
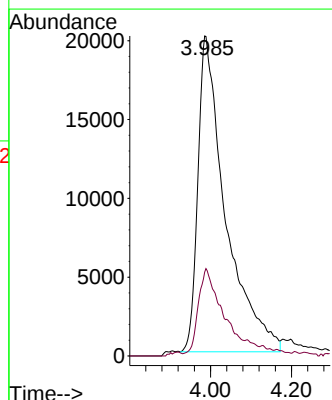
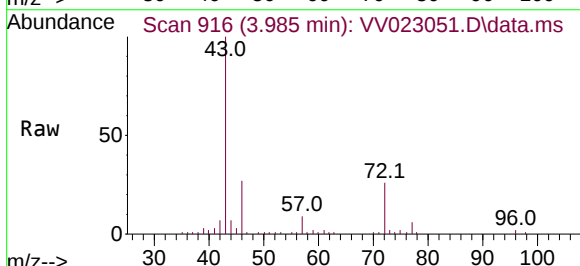
Acq: 26 Oct 2021 20:26

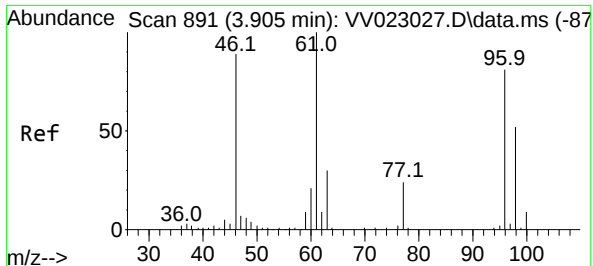
Tgt Ion: 43 Resp: 94747

Ion Ratio Lower Upper

43 100

72 23.0 11.9 35.9

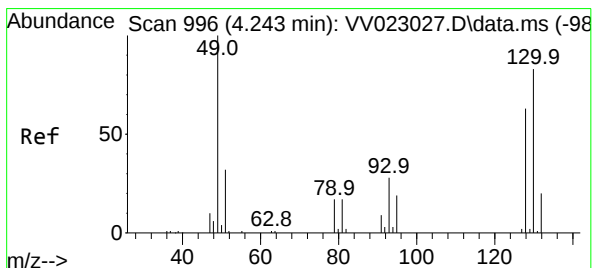
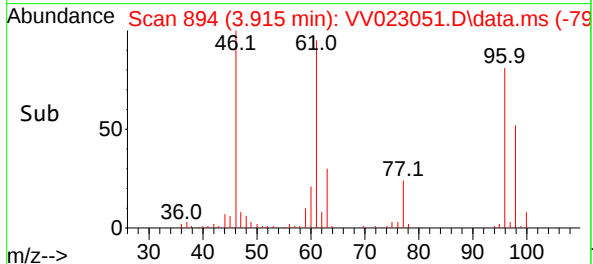
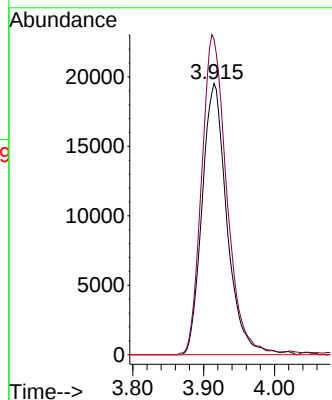
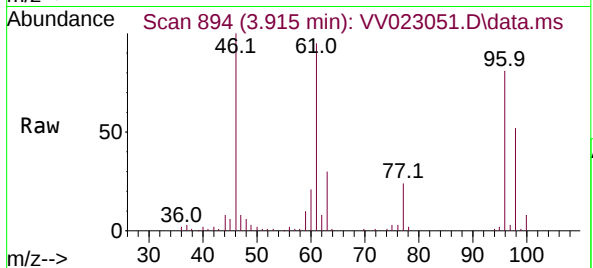




#22
cis-1,2-Dichloroethene
Concen: 5.557 ug/L
RT: 3.915 min Scan# 891
Delta R.T. 0.009 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

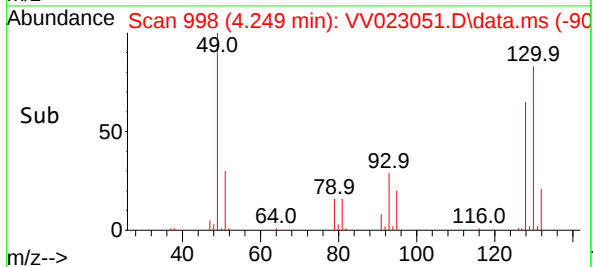
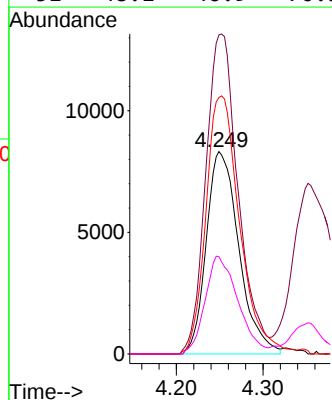
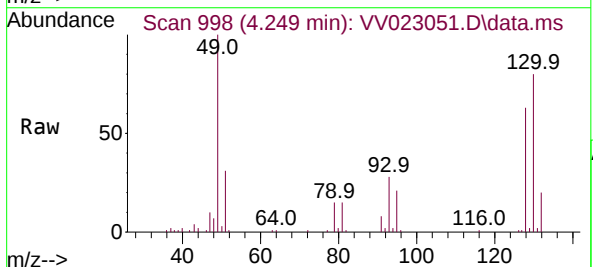
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

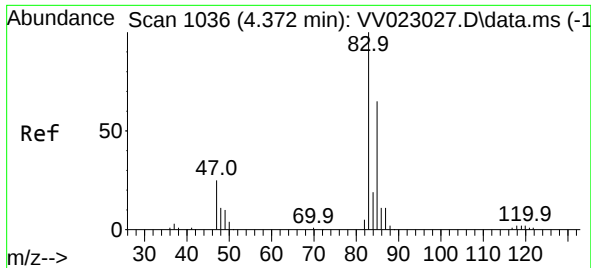
Tgt Ion: 96 Resp: 47500
Ion Ratio Lower Upper
96 100
61 116.3 92.3 171.3
68 0.0 0.4 0.8#



#23
Bromochloromethane
Concen: 5.604 ug/L
RT: 4.249 min Scan# 998
Delta R.T. 0.006 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

Tgt Ion: 128 Resp: 21746
Ion Ratio Lower Upper
128 100
49 157.6 126.1 234.3
130 126.8 95.2 176.8
51 48.1 46.9 70.3

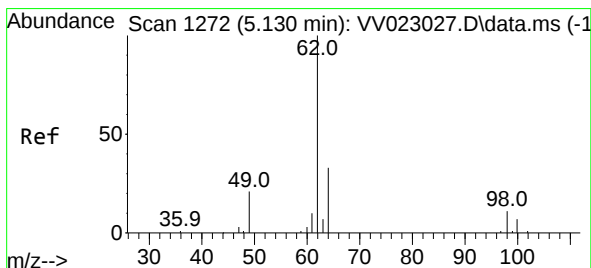
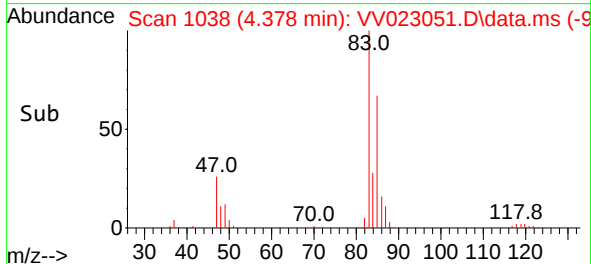
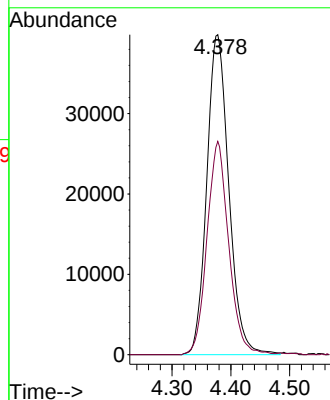
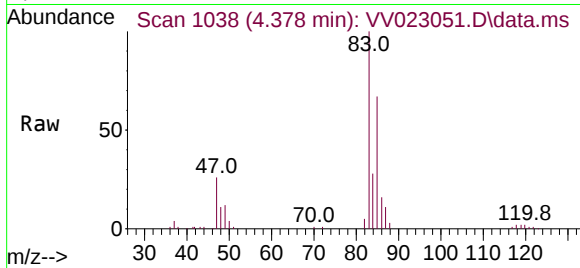




#25
Chloroform
Concen: 5.661 ug/L
RT: 4.378 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

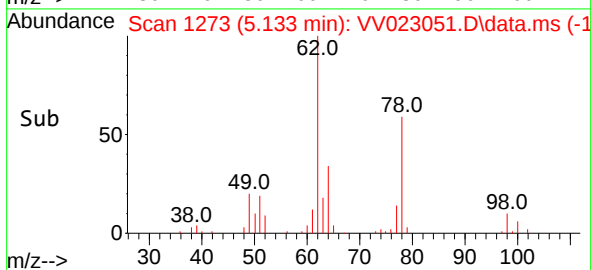
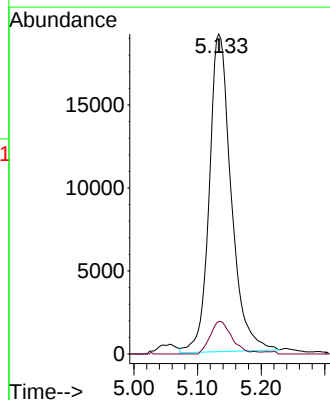
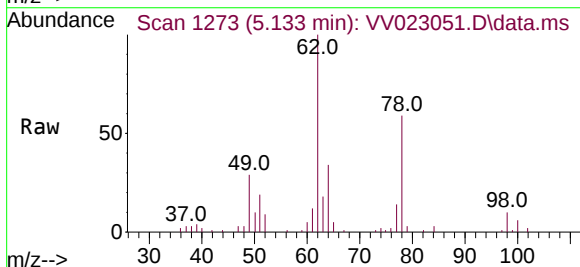
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

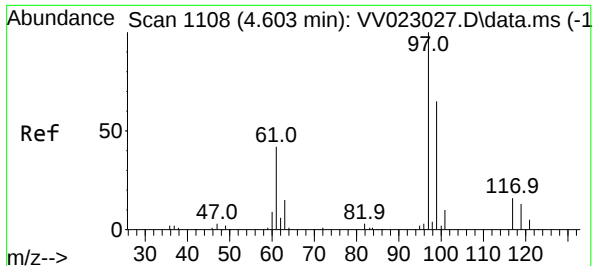
Tgt Ion: 83 Resp: 103611
Ion Ratio Lower Upper
83 100
85 66.7 46.8 86.8



#27
1,2-Dichloroethane
Concen: 4.750 ug/L
RT: 5.133 min Scan# 1273
Delta R.T. 0.003 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

Tgt Ion: 62 Resp: 45852
Ion Ratio Lower Upper
62 100
98 10.2 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 4.841 ug/L

RT: 4.609 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005325

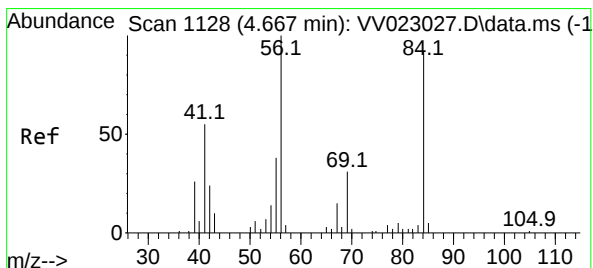
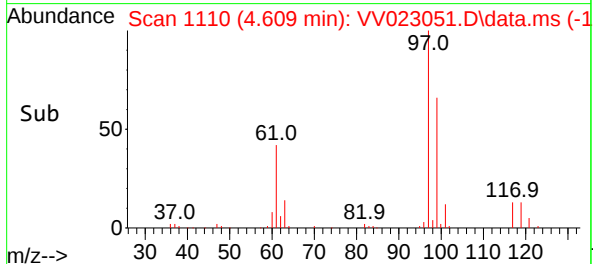
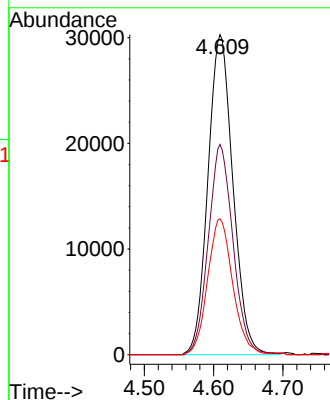
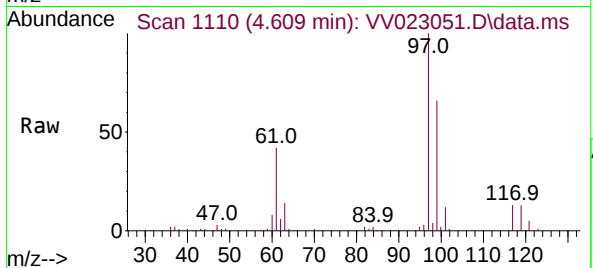
Tgt Ion: 97 Resp: 75801

Ion Ratio Lower Upper

97 100

99 64.9 51.0 76.4

61 42.6 34.1 51.1



#30

Cyclohexane

Concen: 4.548 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. 0.013 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

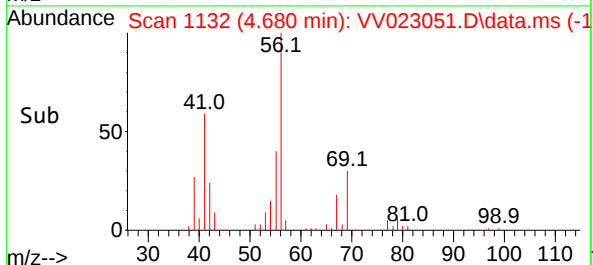
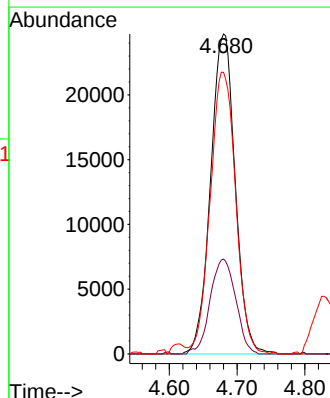
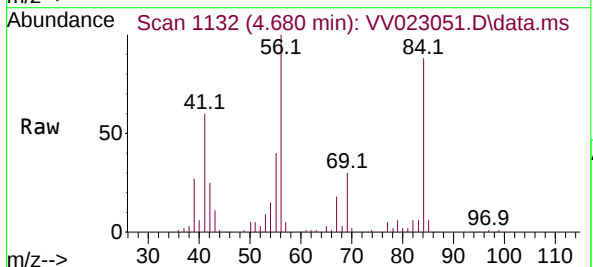
Tgt Ion: 56 Resp: 62184

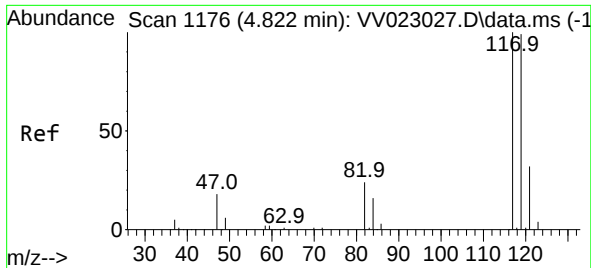
Ion Ratio Lower Upper

56 100

69 30.8 23.5 35.3

84 91.3 71.6 107.4

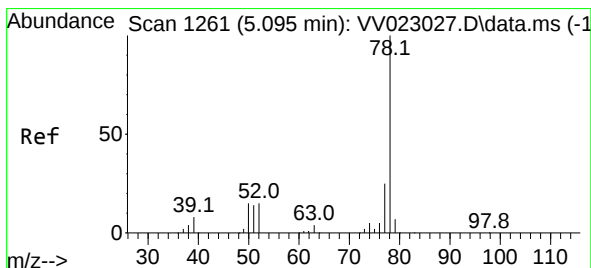
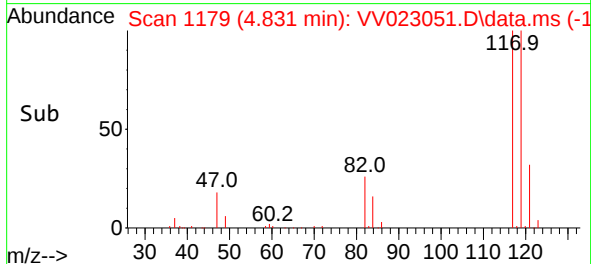
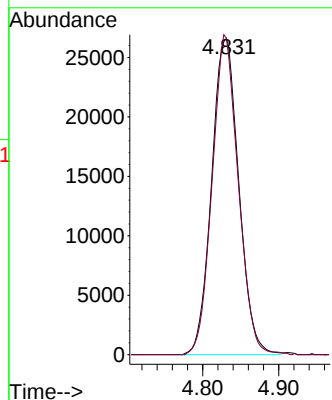
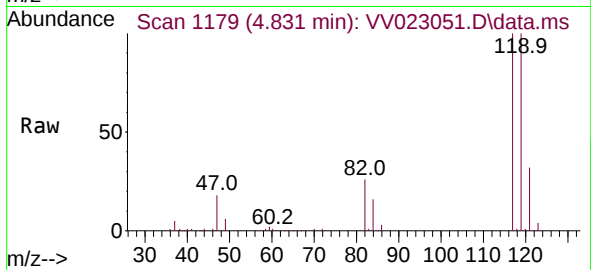




#31
Carbon tetrachloride
Concen: 4.895 ug/L
RT: 4.831 min Scan# 1176
Delta R.T. 0.009 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

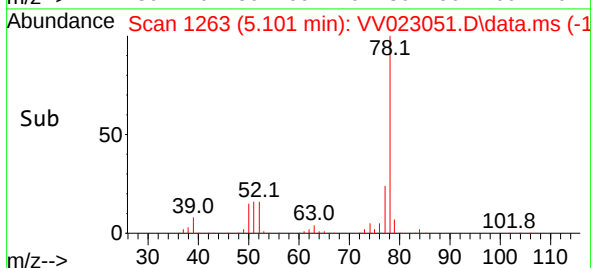
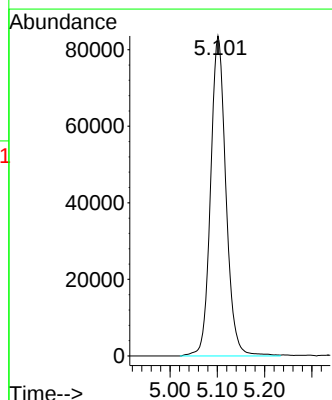
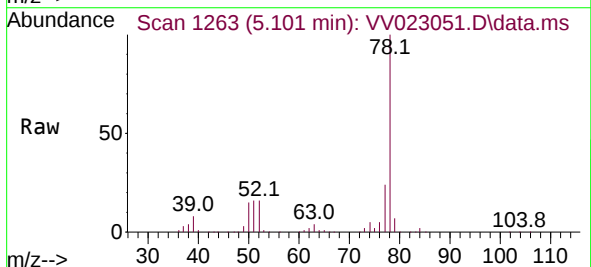
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

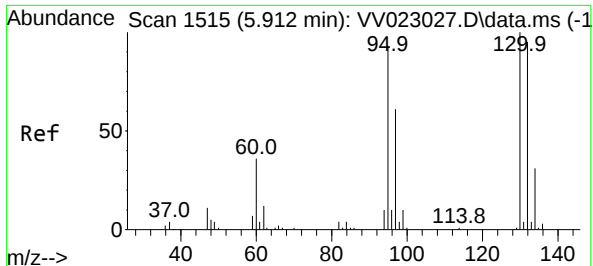
Tgt Ion:117 Resp: 65962
Ion Ratio Lower Upper
117 100
119 97.0 78.8 118.2



#33
Benzene
Concen: 5.068 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

Tgt Ion: 78 Resp: 189012

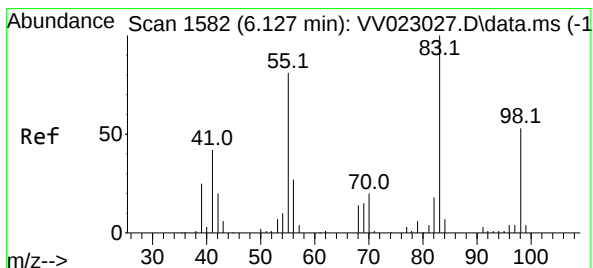
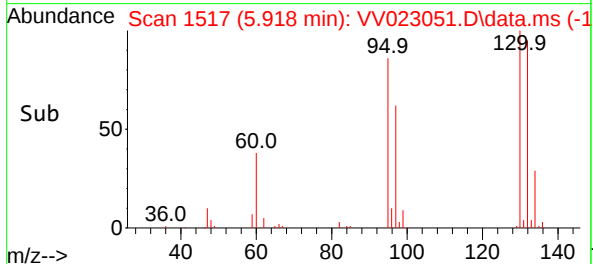
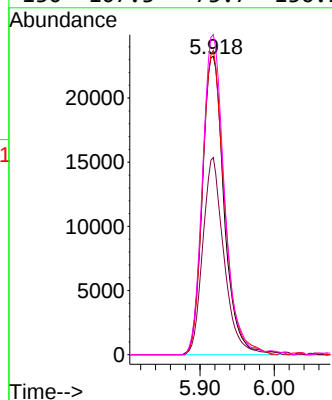
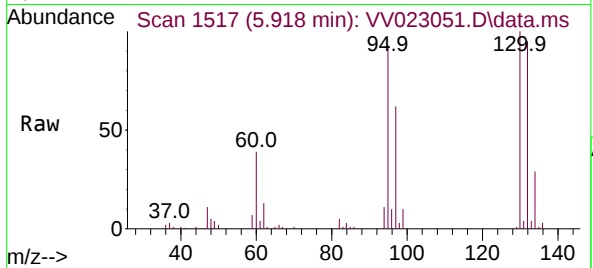




#34
Trichloroethene
Concen: 5.041 ug/L
RT: 5.918 min Scan# 1515
Delta R.T. 0.006 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

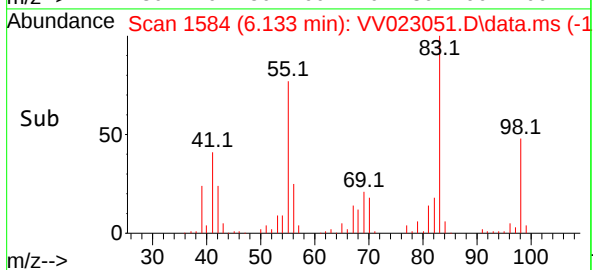
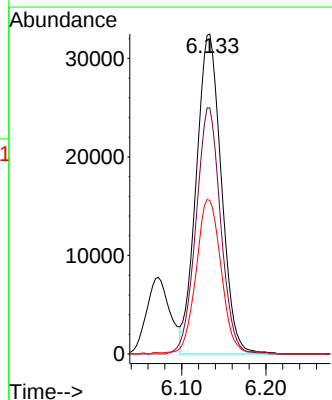
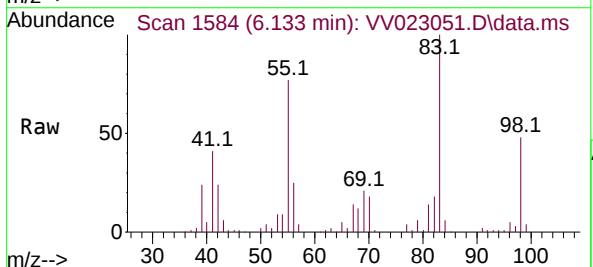
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

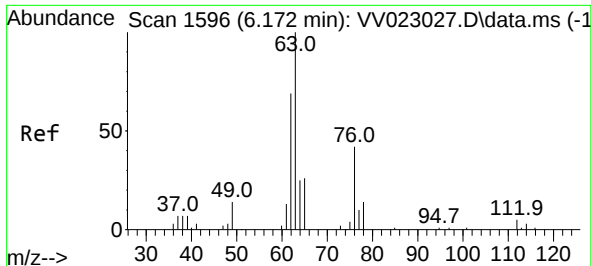
Tgt Ion: 95 Resp: 47231
Ion Ratio Lower Upper
95 100
97 66.1 45.0 83.6
132 102.0 69.7 129.4
130 107.3 73.7 136.9



#35
Methylcyclohexane
Concen: 5.024 ug/L
RT: 6.133 min Scan# 1584
Delta R.T. 0.006 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

Tgt Ion: 83 Resp: 67397
Ion Ratio Lower Upper
83 100
55 75.4 62.8 94.2
98 48.5 37.9 56.9





#37

1,2-Dichloropropane

Concen: 5.043 ug/L

RT: 6.175 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

Instrument :

MSVOA_V

ClientSampleId :

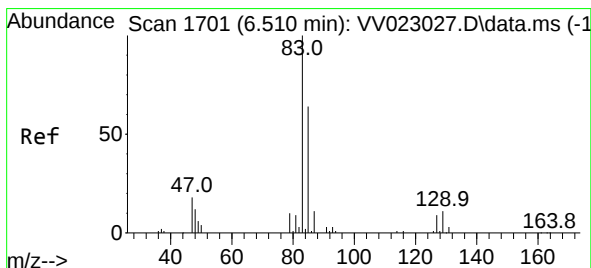
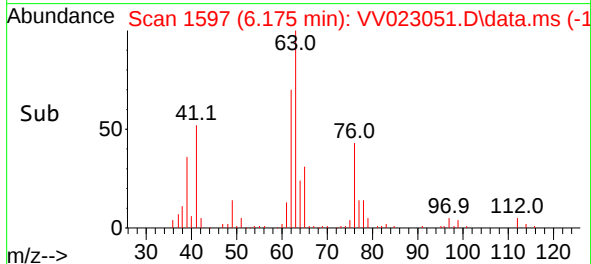
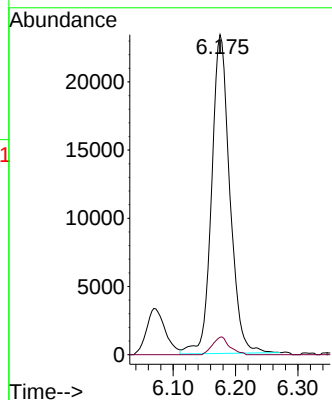
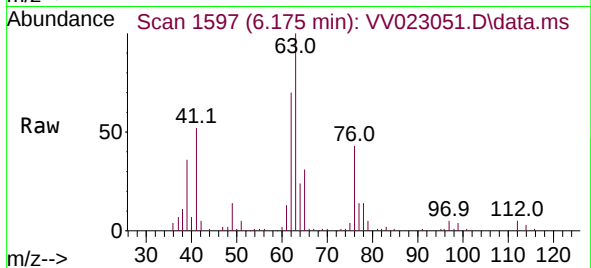
VSTD005325

Tgt Ion: 63 Resp: 47399

Ion Ratio Lower Upper

63 100

112 5.2 4.6 6.8



#38

Bromodichloromethane

Concen: 4.932 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. 0.003 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

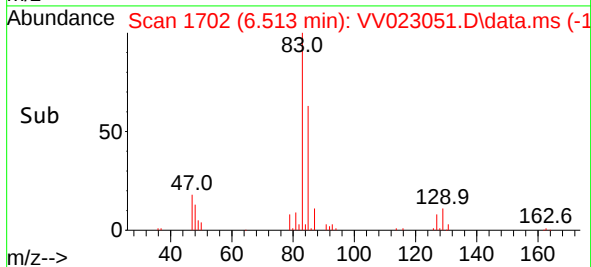
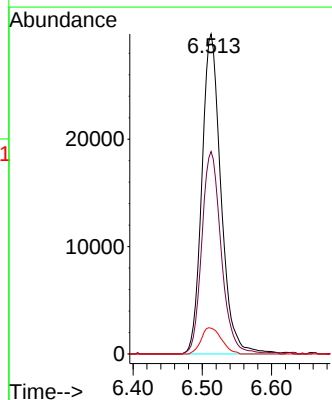
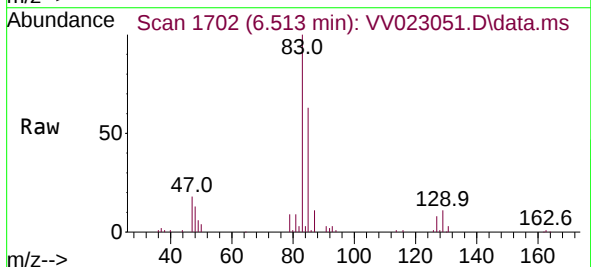
Tgt Ion: 83 Resp: 57181

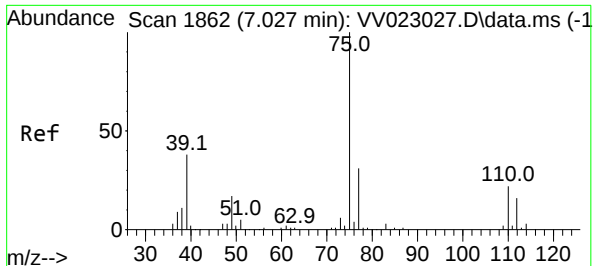
Ion Ratio Lower Upper

83 100

85 63.2 46.1 85.7

127 8.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.145 ug/L

RT: 7.030 min Scan# 1862

Delta R.T. 0.003 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

Instrument :

MSVOA_V

ClientSampleId :

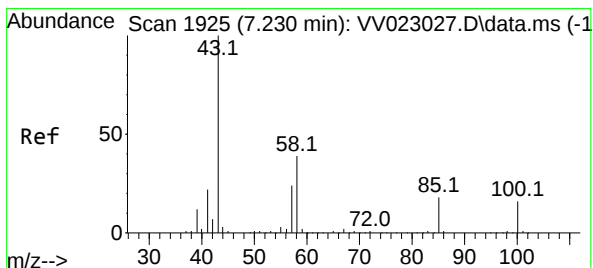
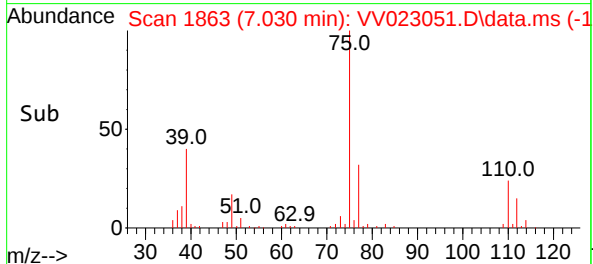
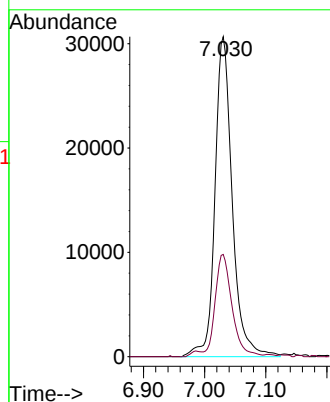
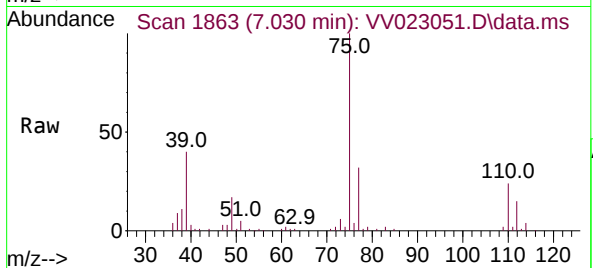
VSTD005325

Tgt Ion: 75 Resp: 60214

Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 53.174 ug/L

RT: 7.230 min Scan# 1925

Delta R.T. -0.000 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

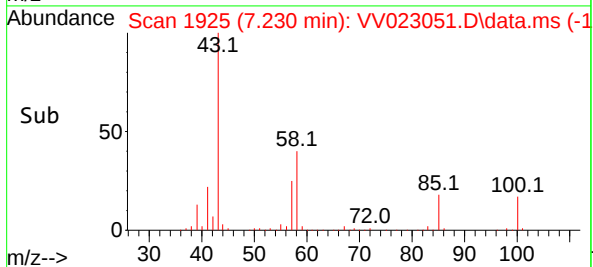
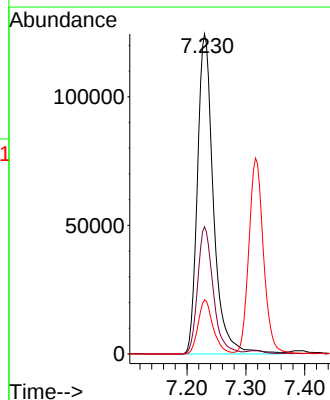
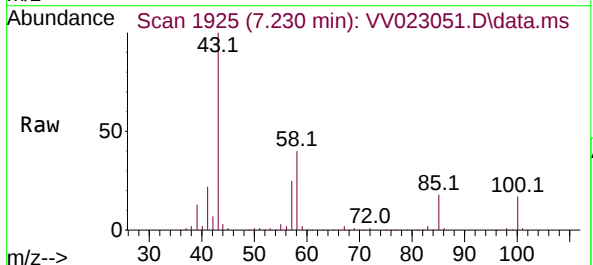
Tgt Ion: 43 Resp: 235301

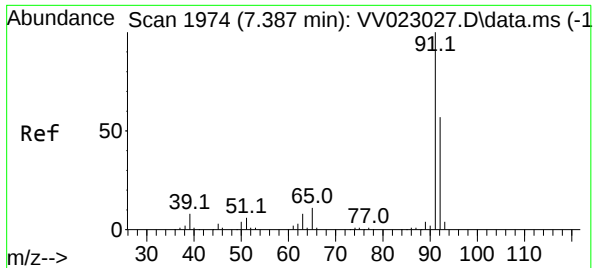
Ion Ratio Lower Upper

43 100

58 38.7 31.1 46.7

100 15.8 12.6 19.0





#42

Toluene

Concen: 5.395 ug/L

RT: 7.390 min Scan# 1974

Delta R.T. 0.003 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

Instrument :

MSVOA_V

ClientSampleId :

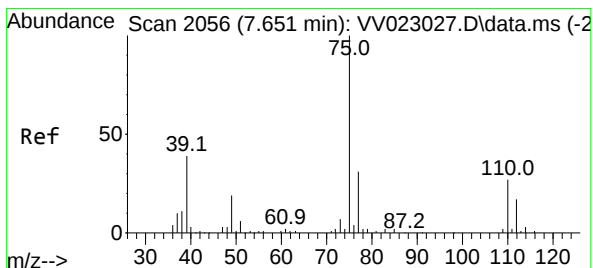
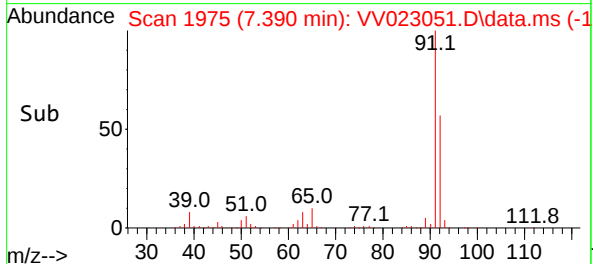
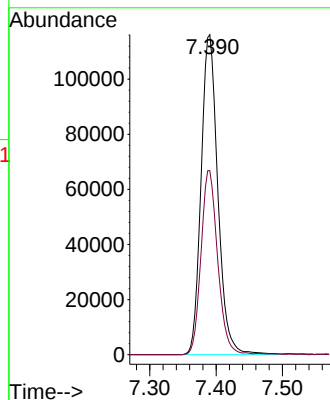
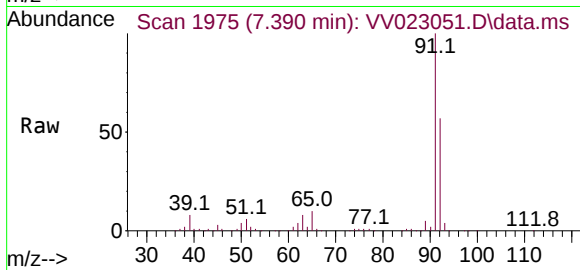
VSTD005325

Tgt Ion: 91 Resp: 203877

Ion Ratio Lower Upper

91 100

92 57.5 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 5.209 ug/L

RT: 7.654 min Scan# 2057

Delta R.T. 0.003 min

Lab File: VV023051.D

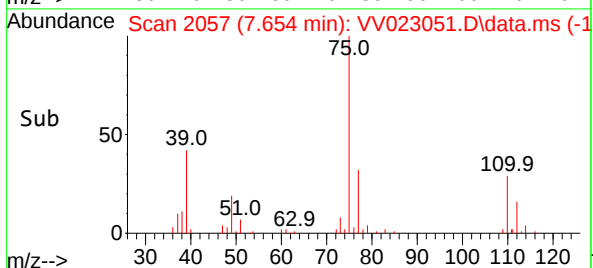
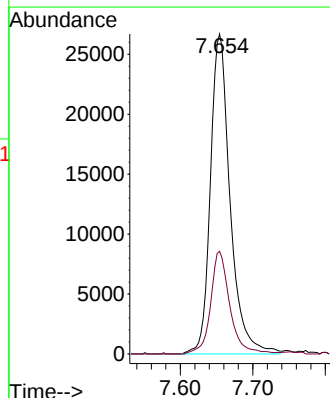
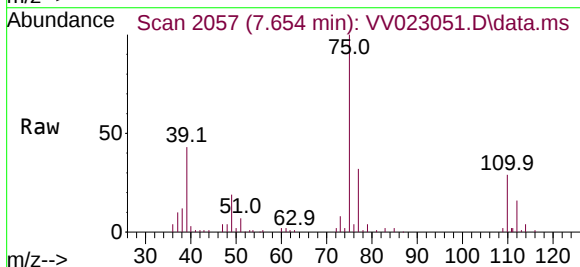
Acq: 26 Oct 2021 20:26

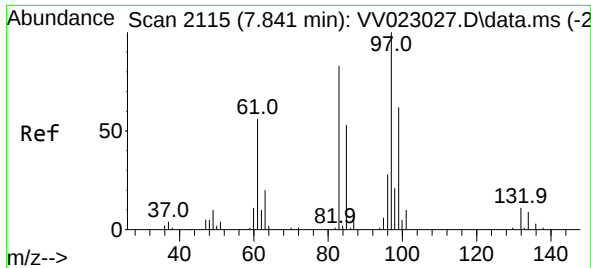
Tgt Ion: 75 Resp: 50434

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.7

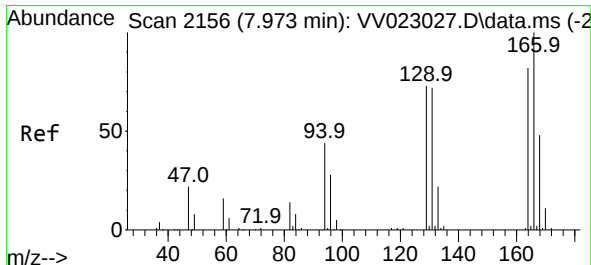
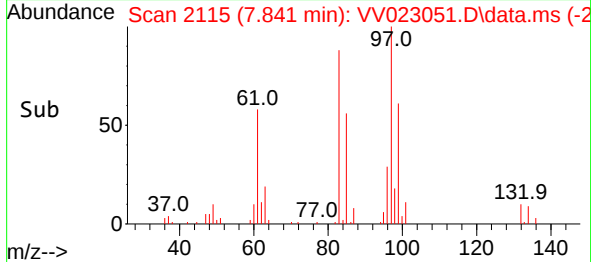
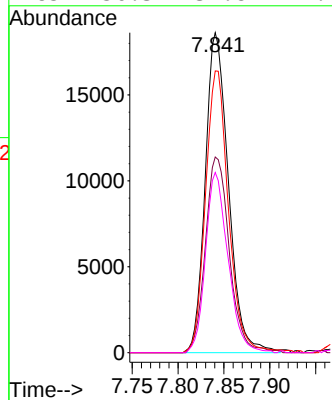
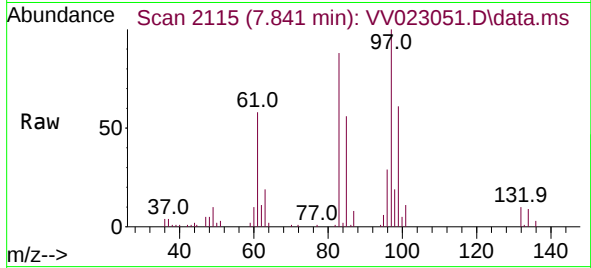




#45
1,1,2-Trichloroethane
Concen: 4.990 ug/L
RT: 7.841 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

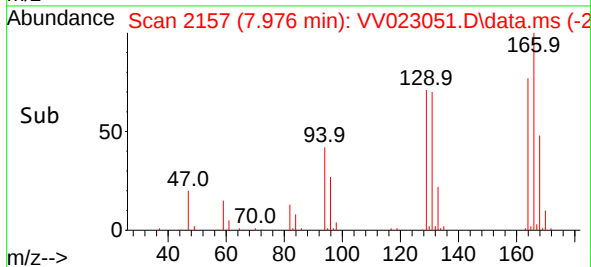
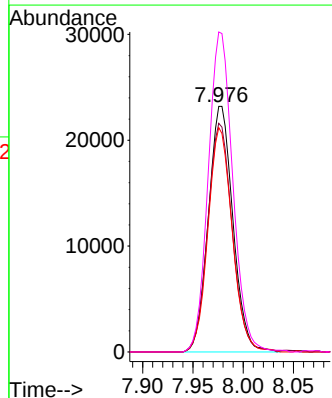
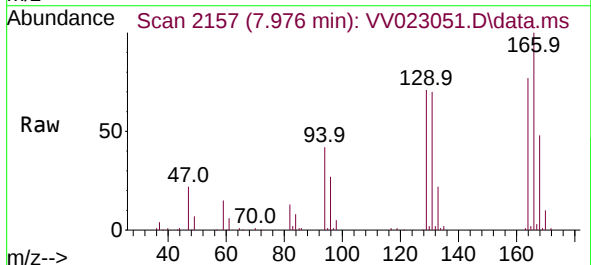
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

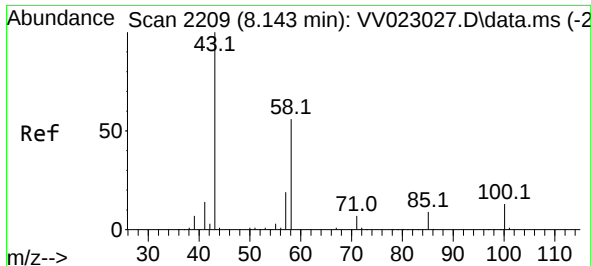
Tgt Ion: 97	Resp: 32811
Ion Ratio	Lower Upper
97 100	
99 61.2	43.6 81.0
83 88.1	58.4 108.4
85 56.3	39.8 74.0



#47
Tetrachloroethene
Concen: 4.990 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

Tgt	Ion:164	Resp:	39497
Ion	Ratio	Lower	Upper
164	100		
129	93.1	64.0	119.0
131	91.3	63.4	117.8
166	130.3	89.3	165.9



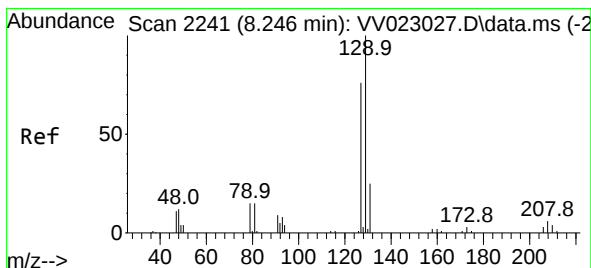
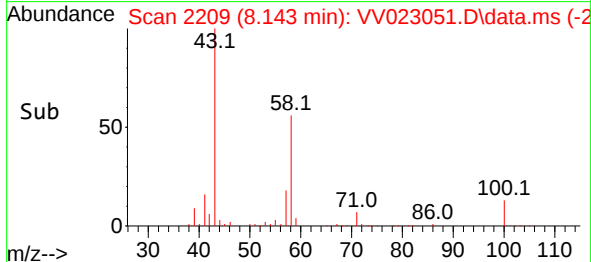
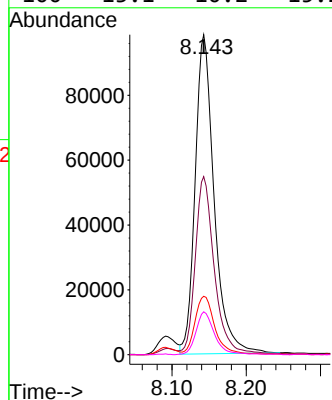
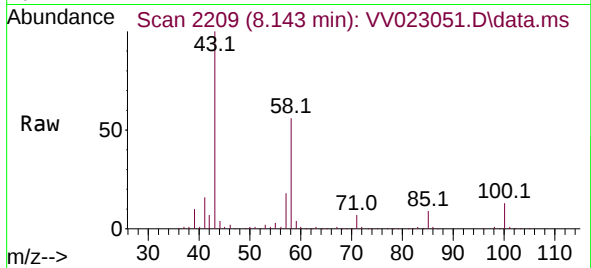


#48
2-Hexanone
Concen: 53.375 ug/L
RT: 8.143 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

Tgt Ion: 43 Resp: 175332

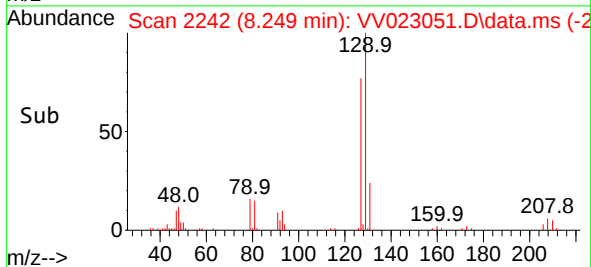
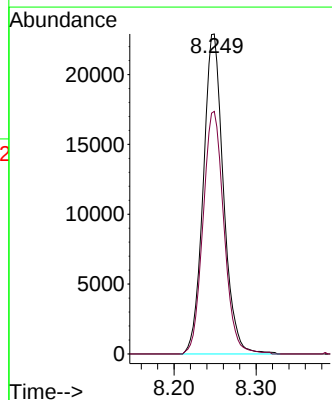
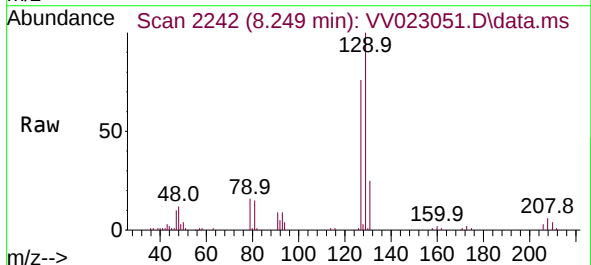
Ion	Ratio	Lower	Upper
43	100		
58	55.4	43.7	65.5
57	18.9	14.1	21.1
100	13.1	10.2	15.2

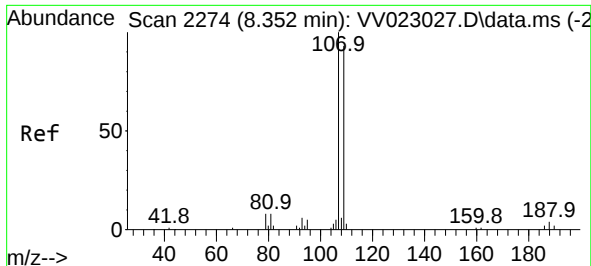


#49
Dibromochloromethane
Concen: 5.001 ug/L
RT: 8.249 min Scan# 2242
Delta R.T. 0.003 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

Tgt Ion: 129 Resp: 39132

Ion	Ratio	Lower	Upper
129	100		
127	75.8	54.7	101.7





#50

1,2-Dibromoethane

Concen: 4.949 ug/L

RT: 8.355 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005325

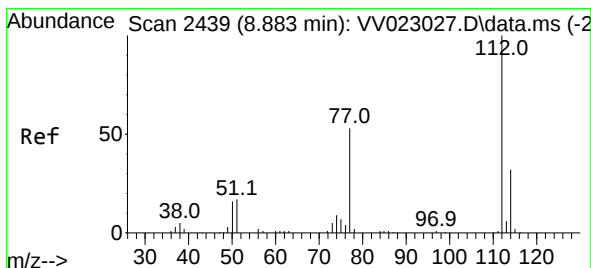
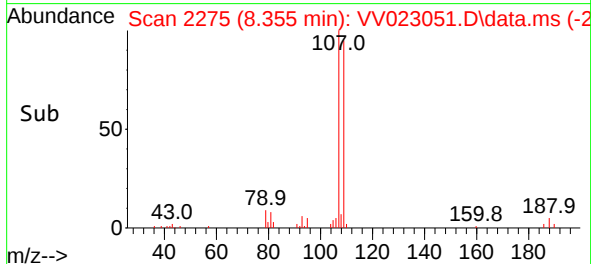
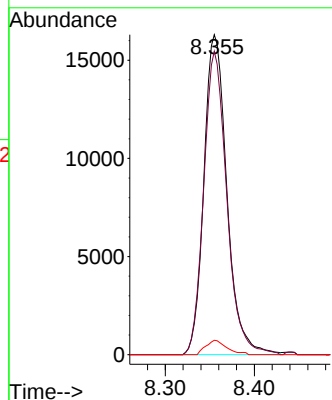
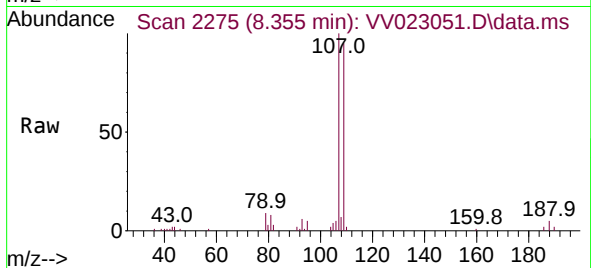
Tgt Ion:107 Resp: 29302

Ion Ratio Lower Upper

107 100

109 94.8 64.7 120.1

188 4.5 3.6 5.4



#51

Chlorobenzene

Concen: 5.165 ug/L

RT: 8.882 min Scan# 2439

Delta R.T. -0.000 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

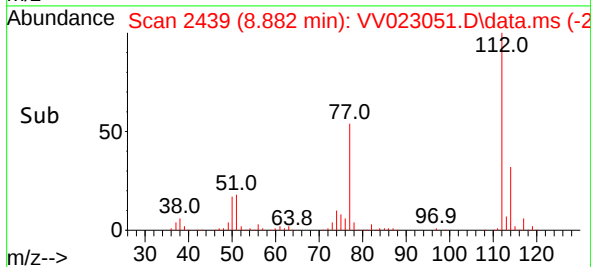
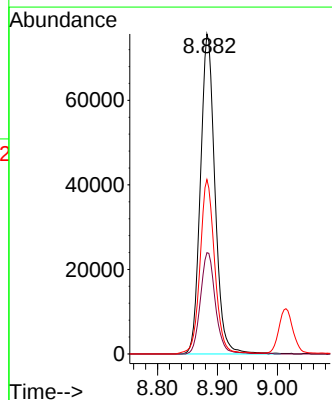
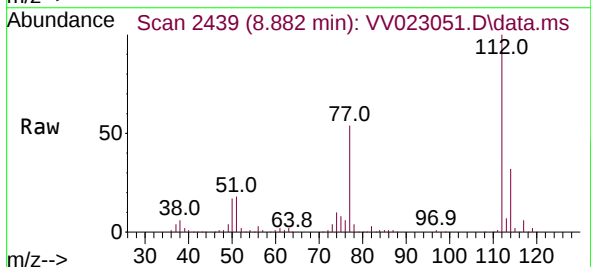
Tgt Ion:112 Resp: 128232

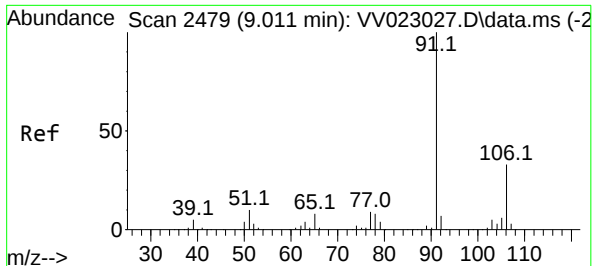
Ion Ratio Lower Upper

112 100

114 31.7 22.0 40.8

77 54.5 44.4 66.6





#52

Ethylbenzene

Concen: 5.270 ug/L

RT: 9.014 min Scan# 2479

Delta R.T. 0.003 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

Instrument :

MSVOA_V

ClientSampleId :

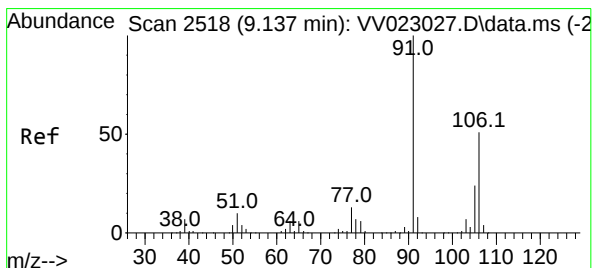
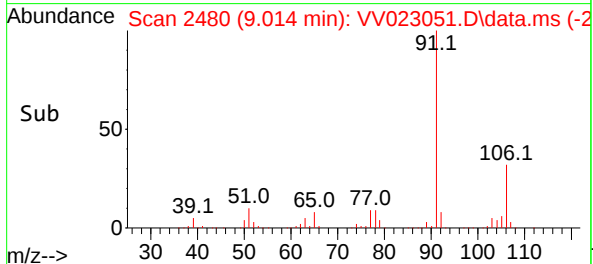
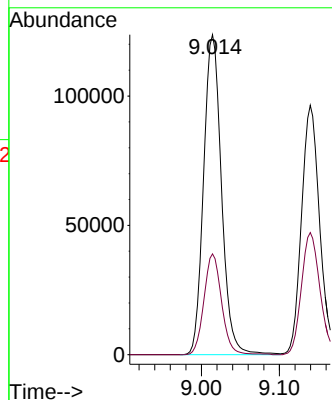
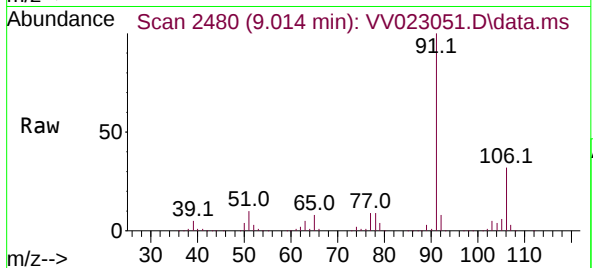
VSTD005325

Tgt Ion: 91 Resp: 197680

Ion Ratio Lower Upper

91 100

106 31.5 22.5 41.9



#53

m,p-xylene

Concen: 5.232 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV023051.D

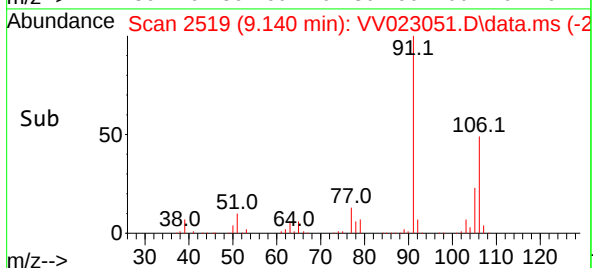
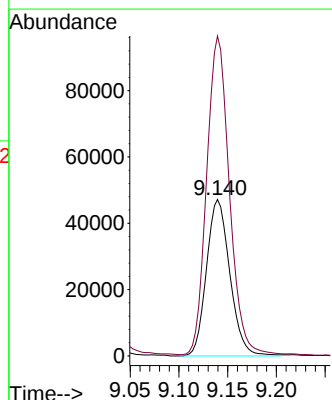
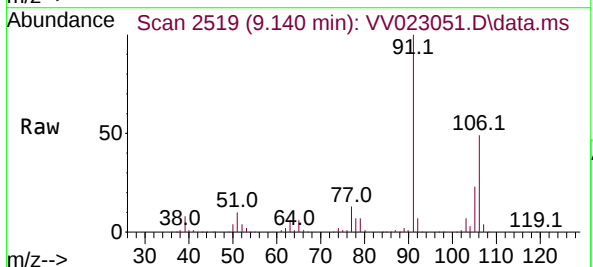
Acq: 26 Oct 2021 20:26

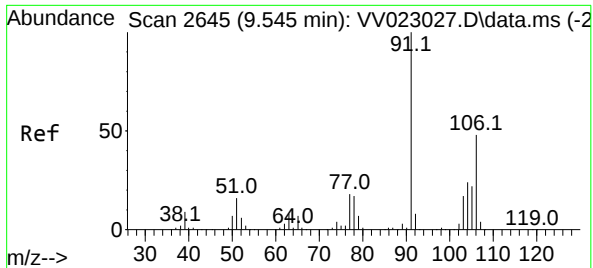
Tgt Ion: 106 Resp: 78697

Ion Ratio Lower Upper

106 100

91 204.5 137.2 254.8

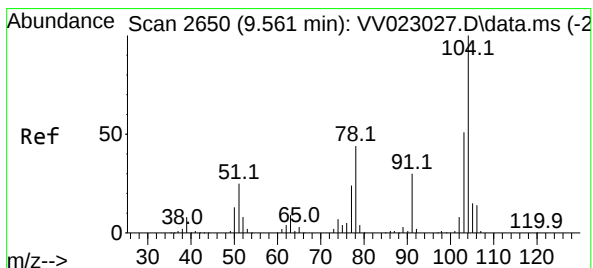
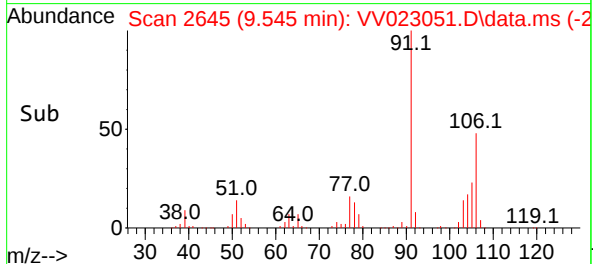
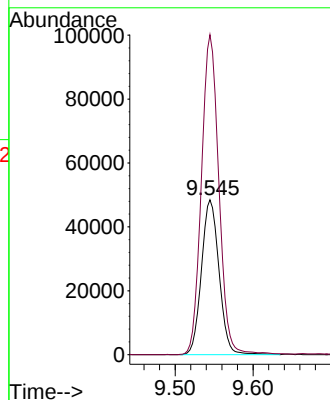
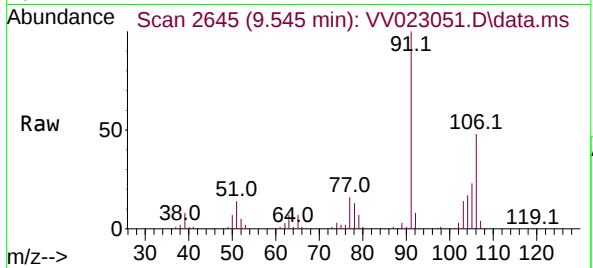




#54
o-xylene
Concen: 5.370 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. -0.000 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

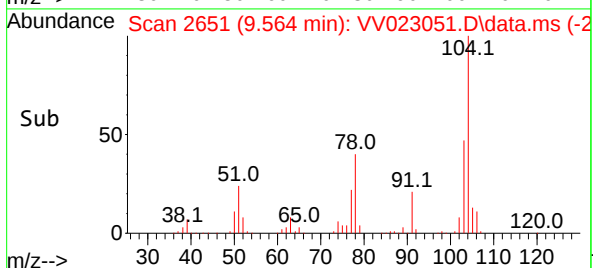
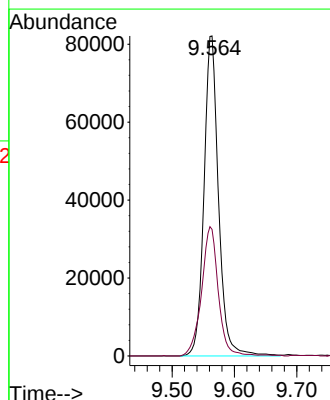
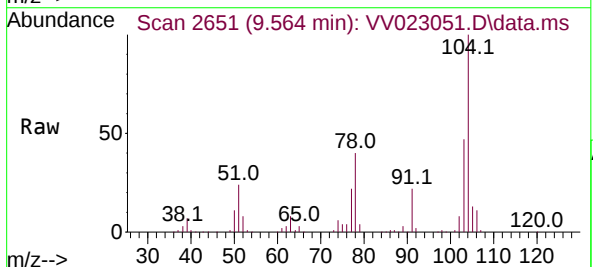
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

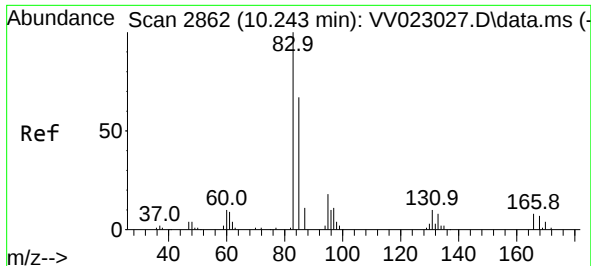
Tgt Ion:106 Resp: 76051
Ion Ratio Lower Upper
106 100
91 206.5 148.3 275.5



#55
Styrene
Concen: 5.448 ug/L
RT: 9.564 min Scan# 2651
Delta R.T. 0.003 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

Tgt Ion:104 Resp: 133231
Ion Ratio Lower Upper
104 100
78 39.5 29.3 54.3





#57

1,1,2,2-Tetrachloroethane

Concen: 4.871 ug/L

RT: 10.242 min Scan# 2862

Delta R.T. -0.000 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005325

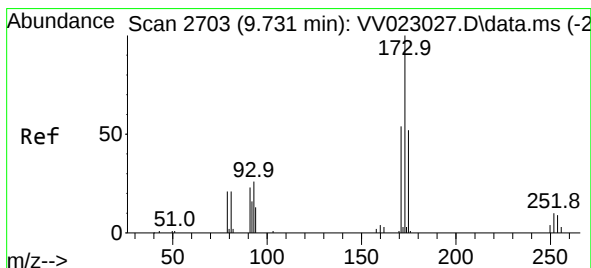
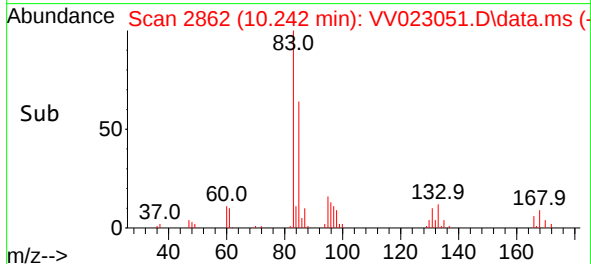
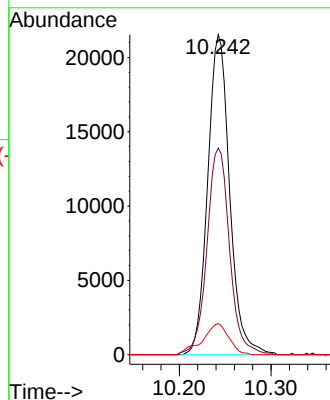
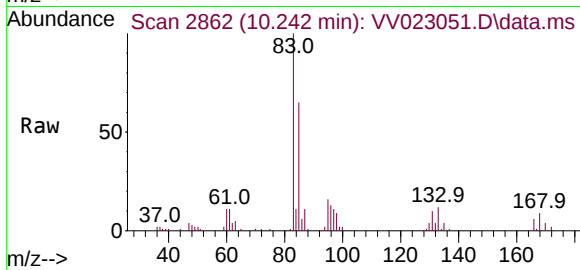
Tgt Ion: 83 Resp: 35806

Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.9

131 9.7 7.8 11.6



#59

Bromoform

Concen: 4.877 ug/L

RT: 9.734 min Scan# 2704

Delta R.T. 0.003 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

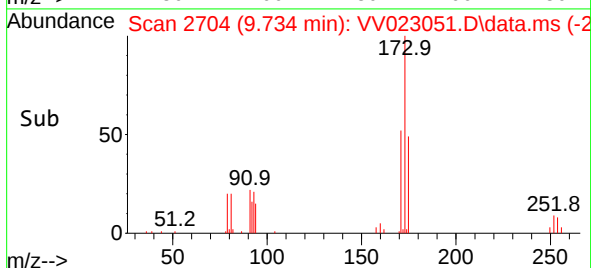
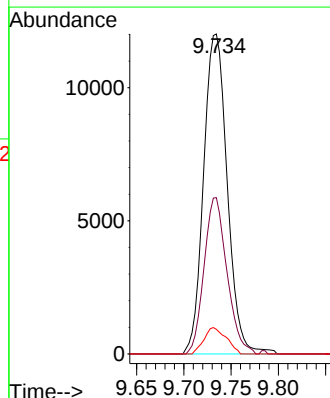
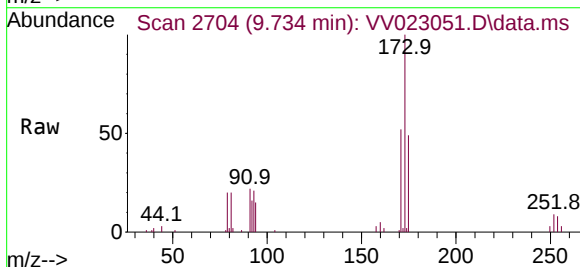
Tgt Ion: 173 Resp: 20914

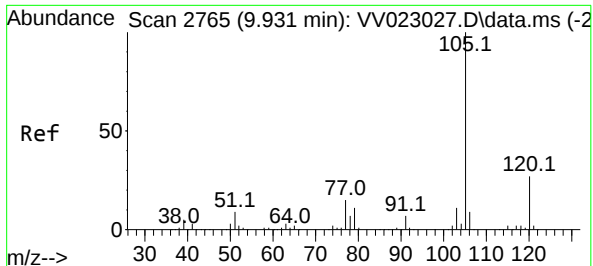
Ion Ratio Lower Upper

173 100

175 47.3 38.2 57.2

254 7.8 6.2 9.2

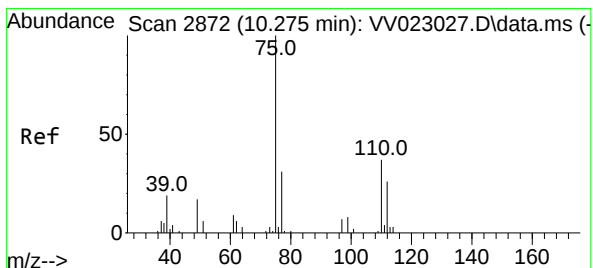
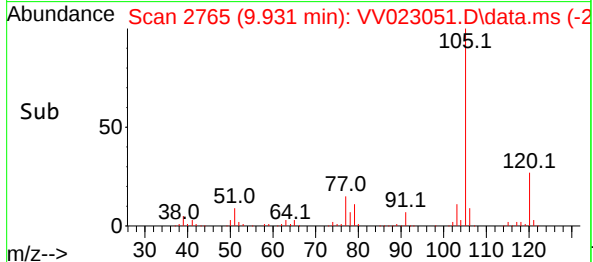
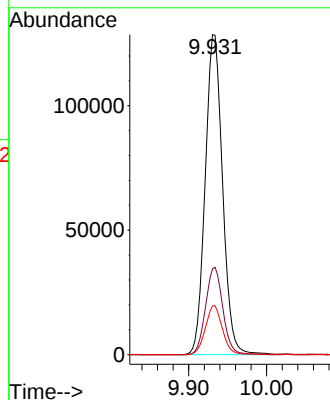
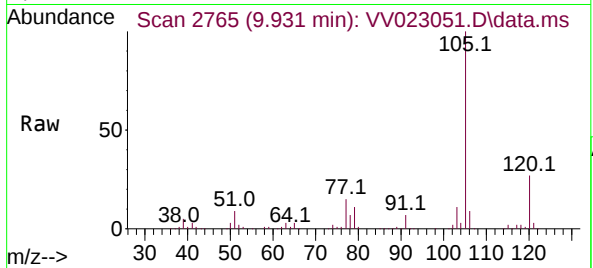




#60
Isopropylbenzene
Concen: 5.353 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.000 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

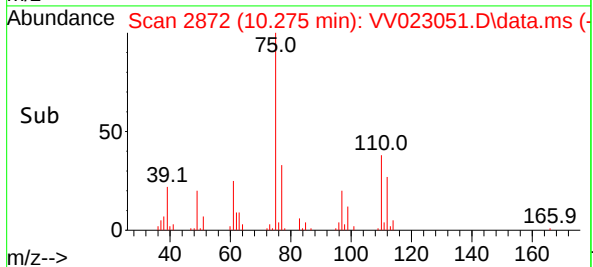
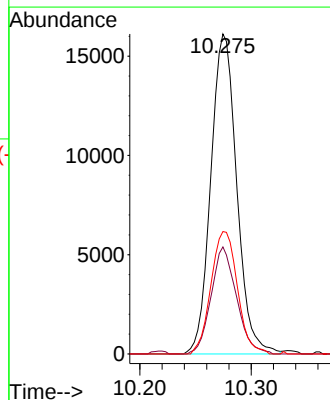
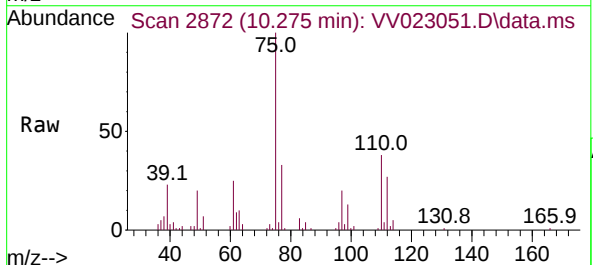
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

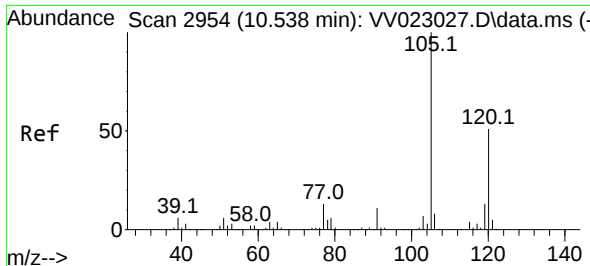
Tgt Ion:105 Resp: 199211
Ion Ratio Lower Upper
105 100
120 27.2 21.7 32.5
77 15.1 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.033 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. -0.000 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

Tgt Ion: 75 Resp: 26069
Ion Ratio Lower Upper
75 100
77 32.7 26.6 39.8
110 39.0 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 5.170 ug/L

RT: 10.541 min Scan# 2954

Delta R.T. 0.003 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

Instrument :

MSVOA_V

ClientSampleId :

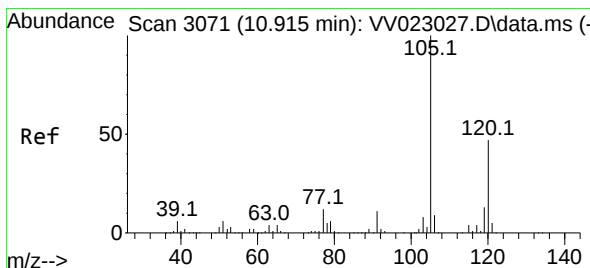
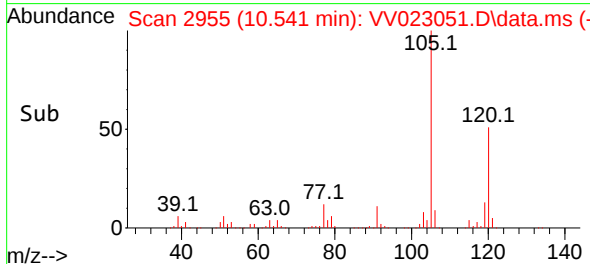
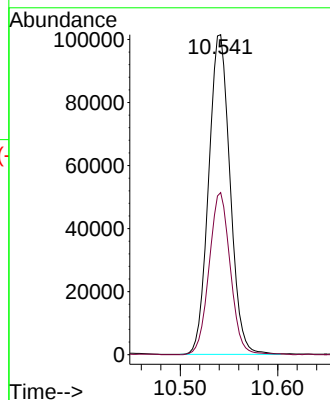
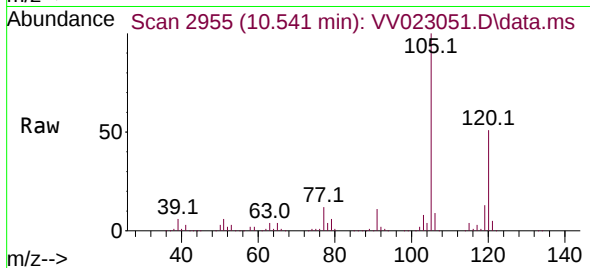
VSTD005325

Tgt Ion:105 Resp: 154565

Ion Ratio Lower Upper

105 100

120 50.3 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 5.335 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. -0.000 min

Lab File: VV023051.D

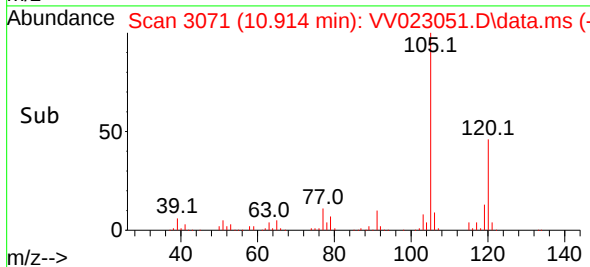
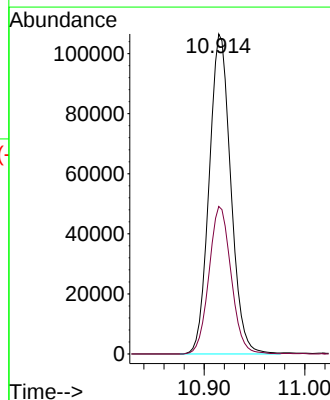
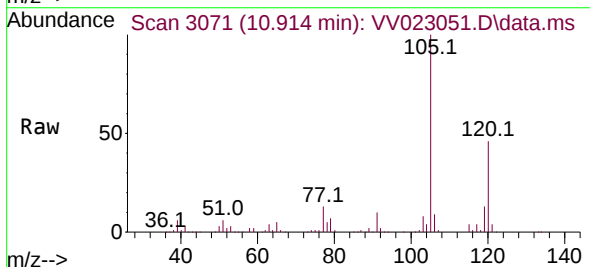
Acq: 26 Oct 2021 20:26

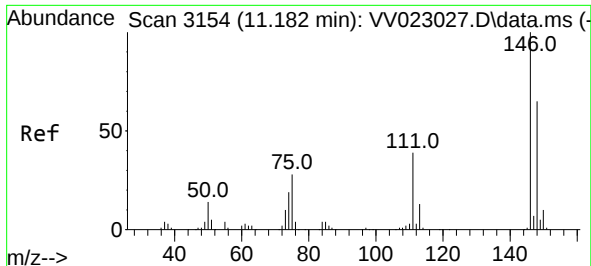
Tgt Ion:105 Resp: 159186

Ion Ratio Lower Upper

105 100

120 47.1 37.4 56.2

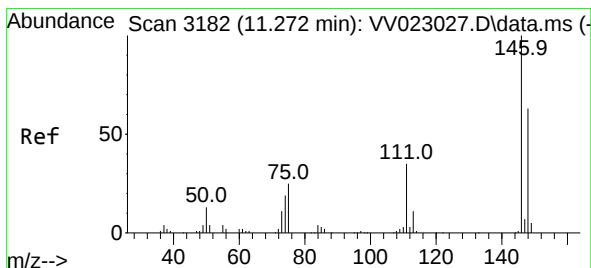
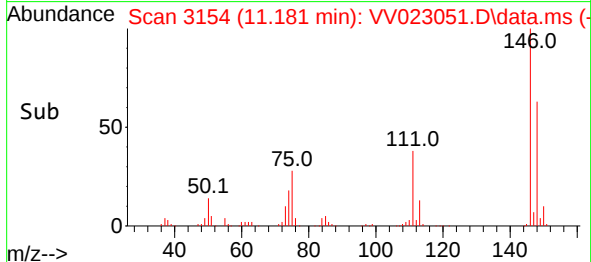
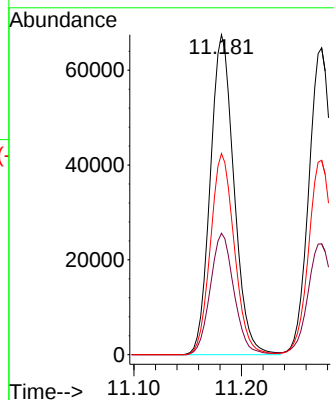
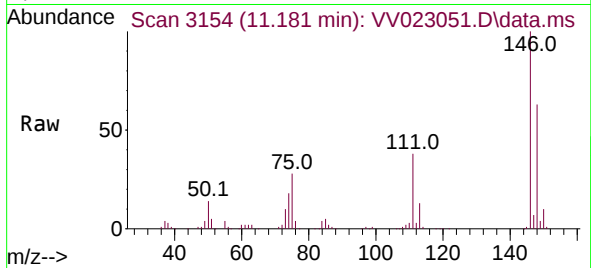




#64
1,3-Dichlorobenzene
Concen: 5.279 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. -0.000 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

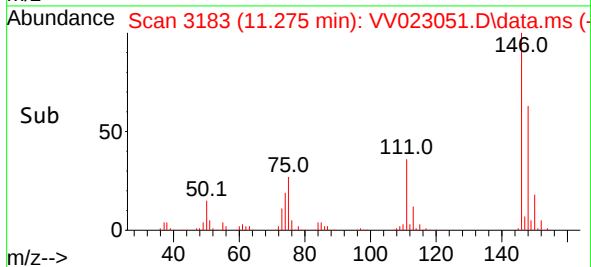
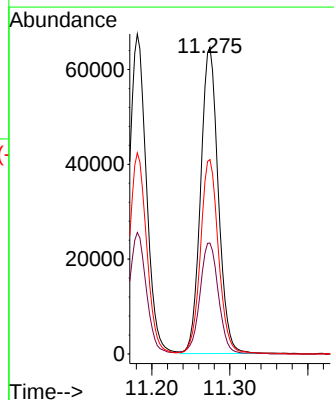
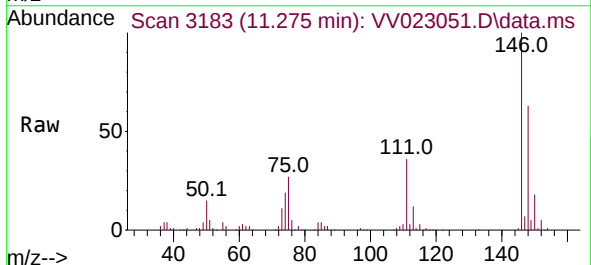
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

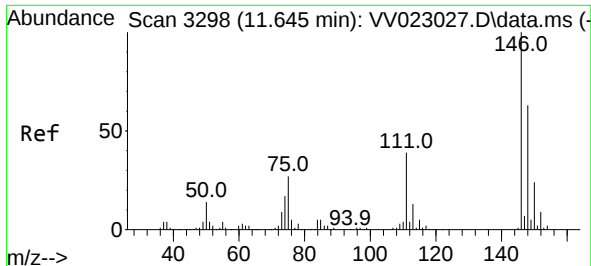
Tgt Ion:146 Resp: 103391
Ion Ratio Lower Upper
146 100
111 38.0 26.7 49.7
148 62.8 42.9 79.7



#65
1,4-Dichlorobenzene
Concen: 5.108 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.003 min
Lab File: VV023051.D
Acq: 26 Oct 2021 20:26

Tgt Ion:146 Resp: 101616
Ion Ratio Lower Upper
146 100
111 36.1 26.2 48.8
148 63.4 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 5.234 ug/L

RT: 11.644 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005325

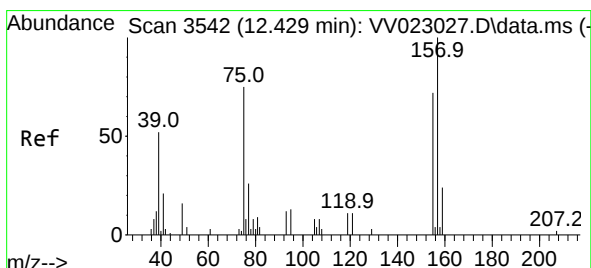
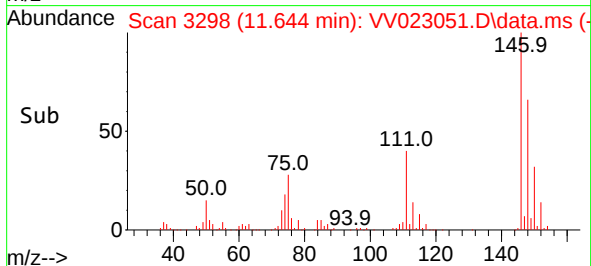
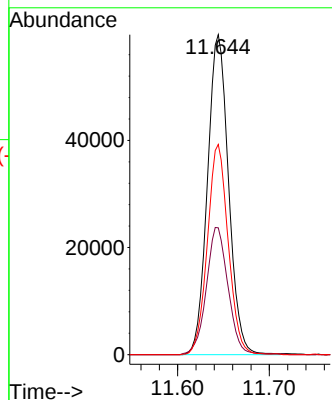
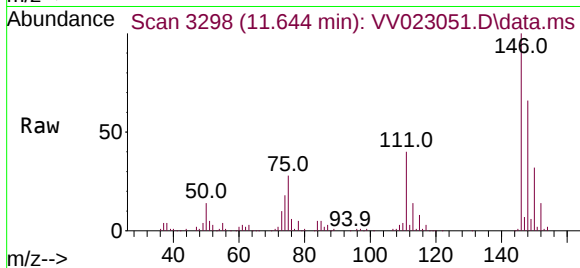
Tgt Ion:146 Resp: 95432

Ion Ratio Lower Upper

146 100

111 39.6 31.6 47.4

148 65.7 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.792 ug/L

RT: 12.429 min Scan# 3542

Delta R.T. -0.000 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

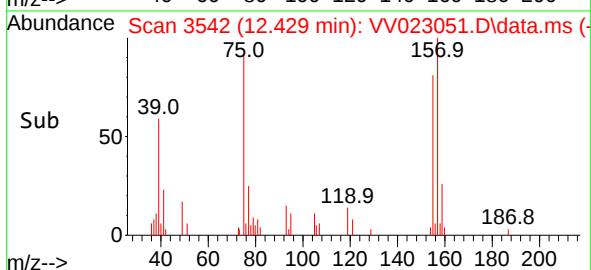
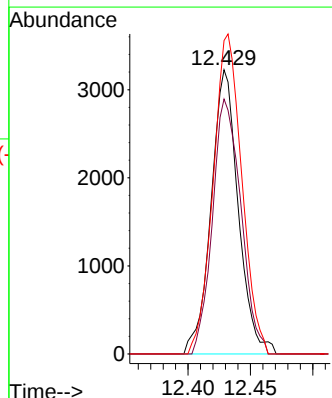
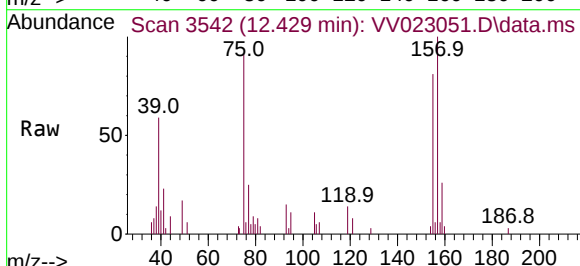
Tgt Ion: 75 Resp: 4897

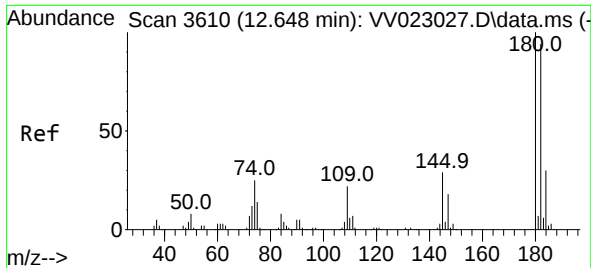
Ion Ratio Lower Upper

75 100

155 89.7 67.7 101.5

157 110.3 87.9 131.9

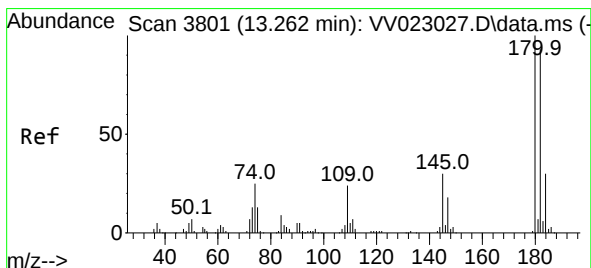
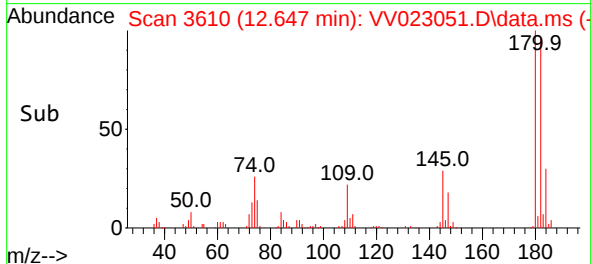
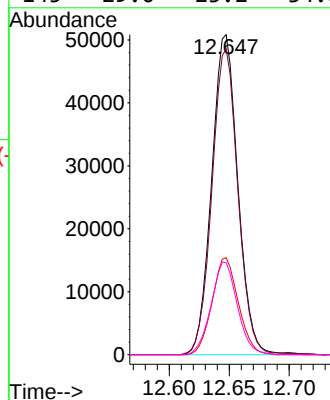
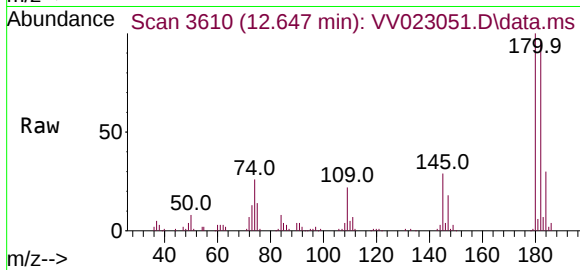




#69
 1,3,5-Trichlorobenzene
 Concen: 5.155 ug/L
 RT: 12.647 min Scan# 3610
 Delta R.T. -0.000 min
 Lab File: VV023051.D
 Acq: 26 Oct 2021 20:26

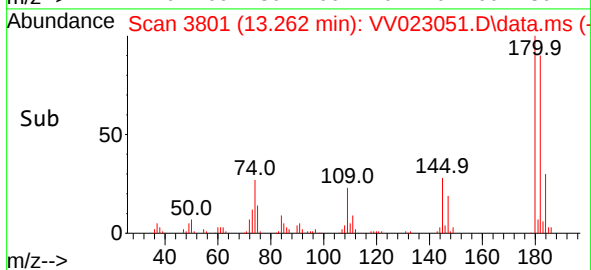
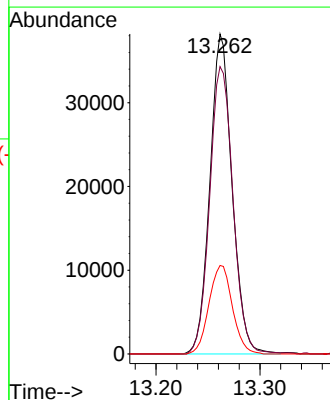
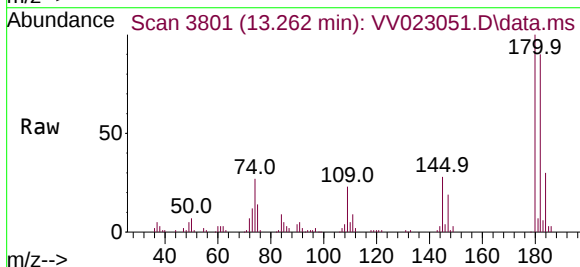
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005325

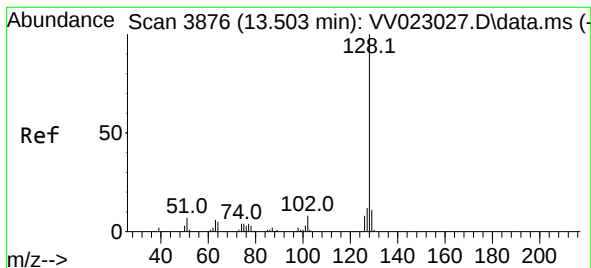
Tgt Ion:180	Resp:	76889
Ion Ratio	Lower	Upper
180	100	
182	95.3	74.9 112.3
184	30.4	23.8 35.8
145	29.0	23.2 34.8



#70
 1,2,4-trichlorobenzene
 Concen: 5.067 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. -0.000 min
 Lab File: VV023051.D
 Acq: 26 Oct 2021 20:26

Tgt Ion:180	Resp:	56551
Ion Ratio	Lower	Upper
180	100	
182	94.5	76.9 115.3
145	29.2	24.4 36.6





#71

Naphthalene

Concen: 4.794 ug/L

RT: 13.503 min Scan# 3876

Delta R.T. -0.000 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005325

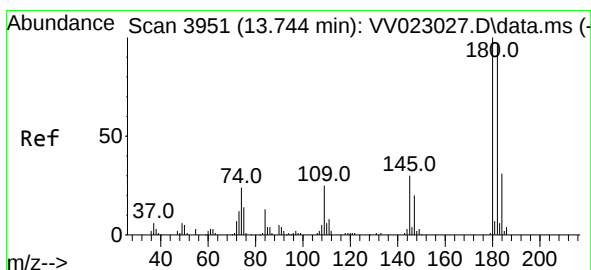
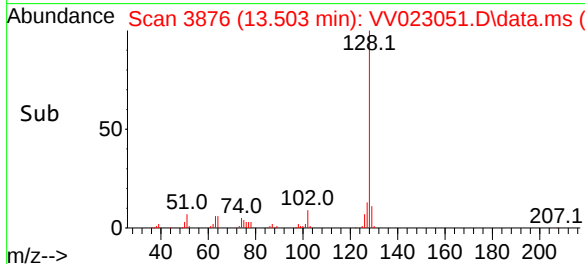
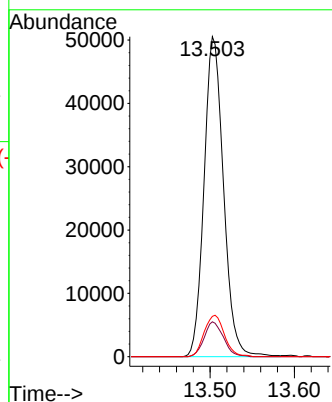
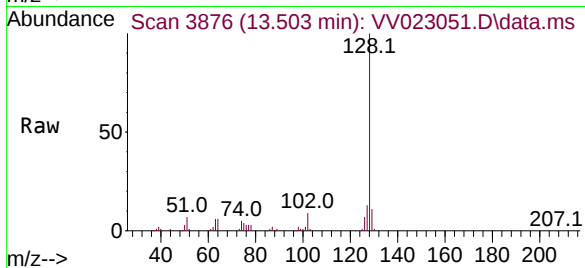
Tgt Ion:128 Resp: 81348

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 13.5 10.5 15.7



#72

1,2,3-Trichlorobenzene

Concen: 5.041 ug/L

RT: 13.744 min Scan# 3951

Delta R.T. -0.000 min

Lab File: VV023051.D

Acq: 26 Oct 2021 20:26

Tgt Ion:180 Resp: 52227

Ion Ratio Lower Upper

180 100

182 96.1 76.7 115.1

145 32.9 25.7 38.5

