

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120821\
 Data File : VW023851.D
 Acq On : 08 Dec 2021 20:54
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005384

Quant Time: Dec 09 02:53:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 02 02:08:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	120753	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	116345	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	66381	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	44213	4.460	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.200%
7) Chloroethane-d5	1.568	69	35208	4.518	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.111	63	79697	4.562	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.200%
20) 2-Butanone-d5	3.908	46	54234	45.511	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.020%
24) Chloroform-d	4.352	84	88872	5.149	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.000%
26) 1,2-Dichloroethane-d4	5.034	65	42149	5.227	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.600%
32) Benzene-d6	5.053	84	161556	5.098	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
36) 1,2-Dichloropropane-d6	6.069	67	45945	5.171	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.400%
41) Toluene-d8	7.317	98	153781	5.193	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.800%
43) trans-1,3-Dichloroprop...	7.622	79	19788	5.525	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.600%
46) 2-Hexanone-d5	8.092	63	86378	72.591	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	145.180%#
56) 1,1,2,2-Tetrachloroeth...	10.217	84	35703	5.584	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	62282	5.307	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	50639	4.420	ug/L	98
3) Chloromethane	1.240	50	42595	4.277	ug/L	95
5) Vinyl chloride	1.311	62	49312	4.714	ug/L	100
6) Bromomethane	1.523	94	28151	4.746	ug/L	99
8) Chloroethane	1.587	64	29673	4.477	ug/L	96
9) Trichlorofluoromethane	1.754	101	83464	4.897	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	42758	5.006	ug/L	99
12) 1,1-Dichloroethene	2.121	96	39345	4.863	ug/L	96
13) Acetone	2.198	43	28965	27.012	ug/L	95
14) Carbon disulfide	2.298	76	114983	4.228	ug/L	100
15) Methyl Acetate	2.449	43	8399	3.451	ug/L #	88
16) Methylene chloride	2.510	84	59470	5.151	ug/L	97
17) Methyl tert-butyl Ether	2.770	73	87990	5.307	ug/L	98
18) trans-1,2-Dichloroethene	2.761	96	44367	4.815	ug/L	96
19) 1,1-Dichloroethane	3.191	63	76330	4.926	ug/L	99
21) 2-Butanone	3.998	43	39705	29.254	ug/L	100
22) cis-1,2-Dichloroethene	3.915	96	45266	5.122	ug/L	94
23) Bromochloromethane	4.249	128	21248	5.123	ug/L	95
25) Chloroform	4.378	83	84217	4.879	ug/L	97

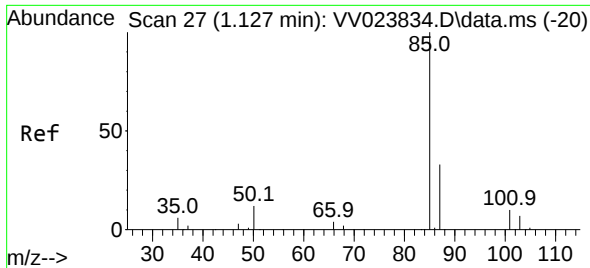
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	46316	5.047	ug/L	96
29) 1,1,1-Trichloroethane	4.609	97	80313	5.282	ug/L	100
30) Cyclohexane	4.677	56	62802	4.950	ug/L	97
31) Carbon tetrachloride	4.831	117	73766	5.297	ug/L	98
33) Benzene	5.101	78	173717	5.237	ug/L	100
34) Trichloroethene	5.915	95	46273	5.208	ug/L	99
35) Methylcyclohexane	6.133	83	72669	5.246	ug/L	97
37) 1,2-Dichloropropane	6.175	63	38505	4.884	ug/L	100
38) Bromodichloromethane	6.513	83	56745	5.303	ug/L	98
39) cis-1,3-Dichloropropene	7.027	75	61817	5.509	ug/L	100
40) 4-Methyl-2-pentanone	7.227	43	211360	56.157	ug/L	98
42) Toluene	7.387	91	197855	5.500	ug/L	97
44) trans-1,3-Dichloropropene	7.651	75	52705	5.589	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	30807	5.643	ug/L	98
47) Tetrachloroethene	7.976	164	41975	5.190	ug/L	97
48) 2-Hexanone	8.143	43	156211	56.155	ug/L	99
49) Dibromochloromethane	8.246	129	40787	5.452	ug/L	94
50) 1,2-Dibromoethane	8.355	107	29330	5.510	ug/L	97
51) Chlorobenzene	8.883	112	128200	5.376	ug/L	99
52) Ethylbenzene	9.011	91	209125	5.562	ug/L	99
53) m,p-xylene	9.140	106	82378	5.505	ug/L	99
54) o-xylene	9.542	106	81220	5.707	ug/L	98
55) Styrene	9.561	104	135264	5.641	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.243	83	32576	5.363	ug/L #	98
59) Bromoform	9.731	173	22676	5.172	ug/L	98
60) Isopropylbenzene	9.931	105	217509	5.488	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	23473	4.986	ug/L	96
62) 1,3,5-Trimethylbenzene	10.538	105	182626	5.537	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	184153	5.646	ug/L	100
64) 1,3-Dichlorobenzene	11.182	146	110703	5.463	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	107945	5.300	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	98627	5.318	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	5729	6.128	ug/L	93
69) 1,3,5-Trichlorobenzene	12.644	180	85915	5.430	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	67186	5.473	ug/L	98
71) Naphthalene	13.503	128	98352	5.953	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	60680	5.704	ug/L	98

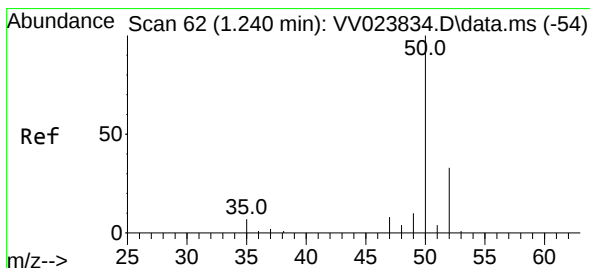
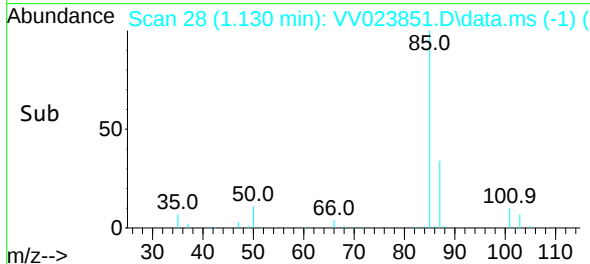
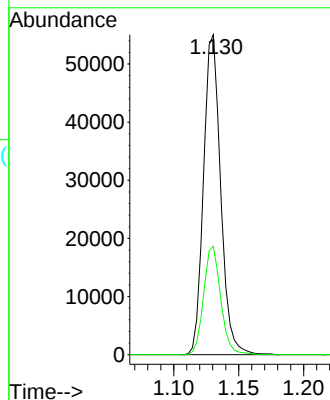
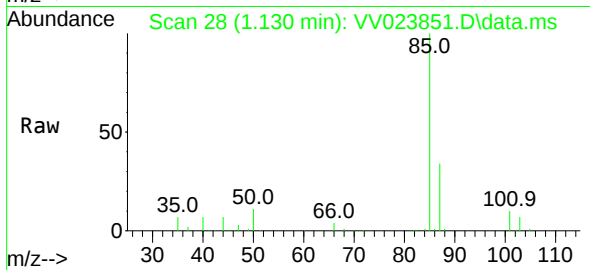
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#2
 Dichlorodifluoromethane
 Concen: 4.420 ug/L
 RT: 1.130 min Scan# 27
 Delta R.T. 0.000 min
 Lab File: VV023851.D
 Acq: 08 Dec 2021 20:54

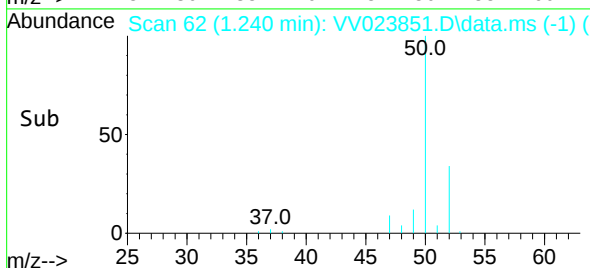
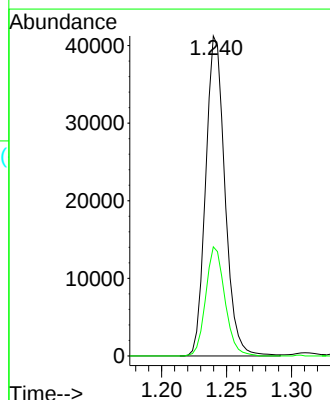
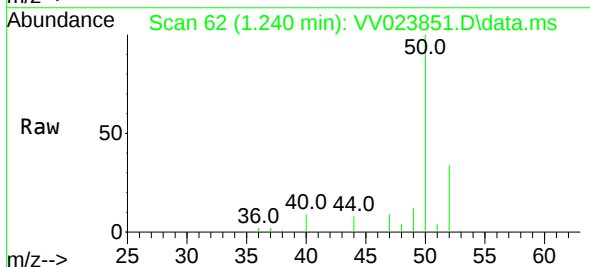
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005384

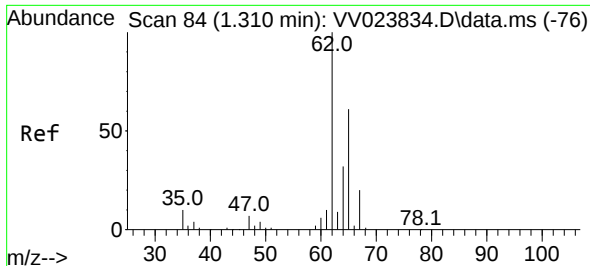
Tgt Ion: 85 Resp: 50639
 Ion Ratio Lower Upper
 85 100
 87 33.7 26.0 39.0



#3
 Chloromethane
 Concen: 4.277 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV023851.D
 Acq: 08 Dec 2021 20:54

Tgt Ion: 50 Resp: 42595
 Ion Ratio Lower Upper
 50 100
 52 34.1 22.0 41.0

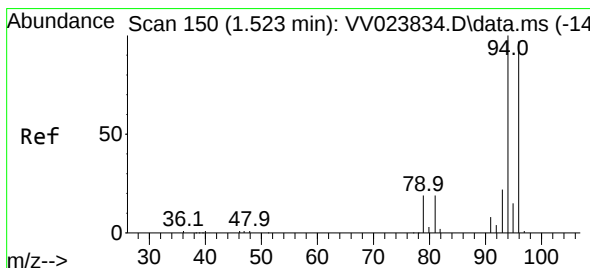
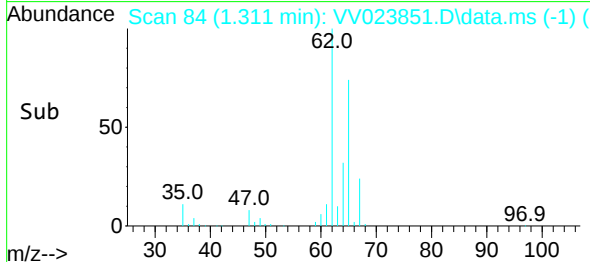
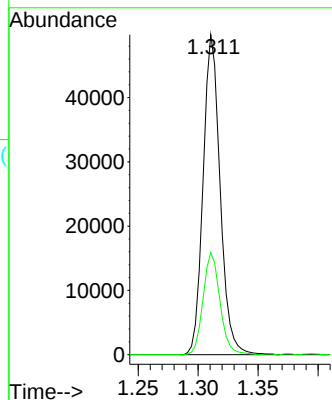
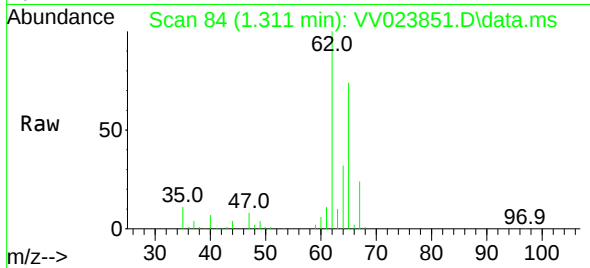




#5
 Vinyl chloride
 Concen: 4.714 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023851.D
 Acq: 08 Dec 2021 20:54

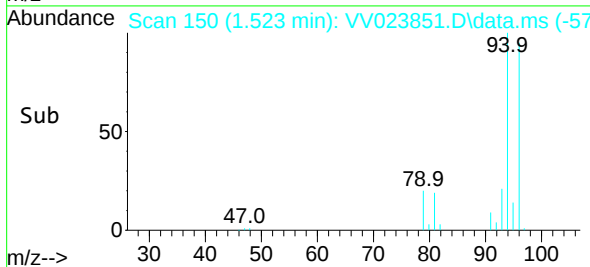
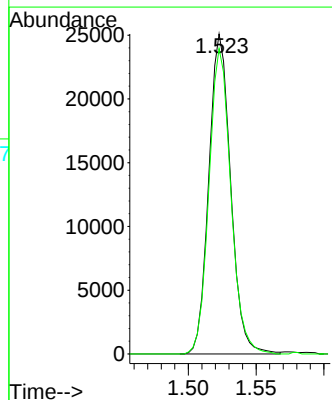
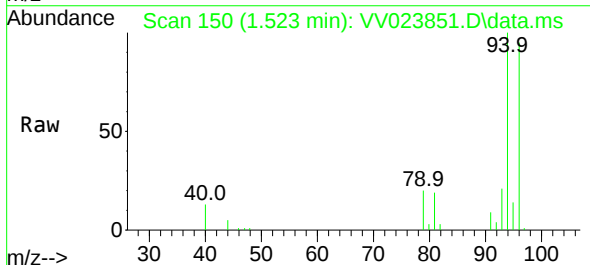
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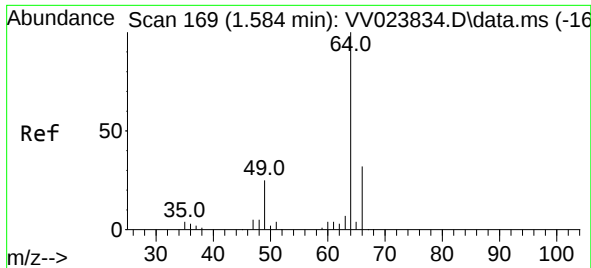
Tgt Ion: 62 Resp: 49312
 Ion Ratio Lower Upper
 62 100
 64 31.9 22.4 41.6



#6
 Bromomethane
 Concen: 4.746 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV023851.D
 Acq: 08 Dec 2021 20:54

Tgt Ion: 94 Resp: 28151
 Ion Ratio Lower Upper
 94 100
 96 95.5 66.2 123.0

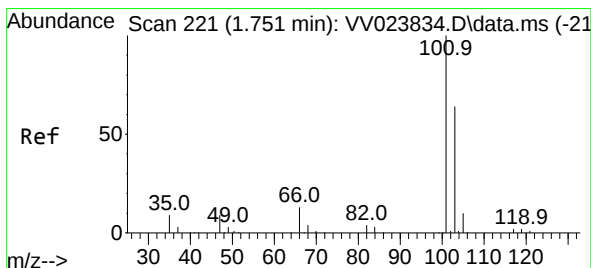
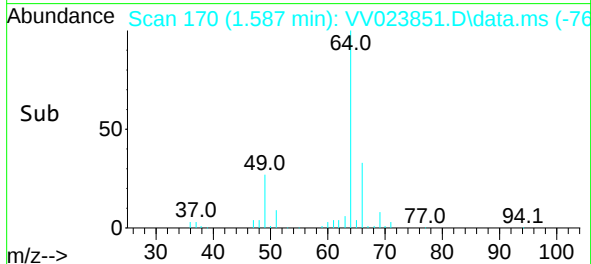
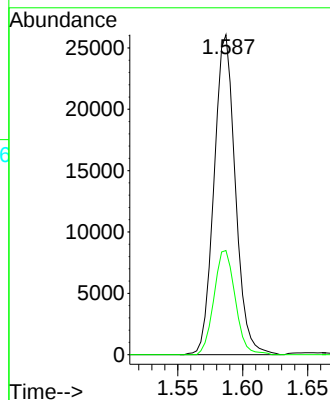
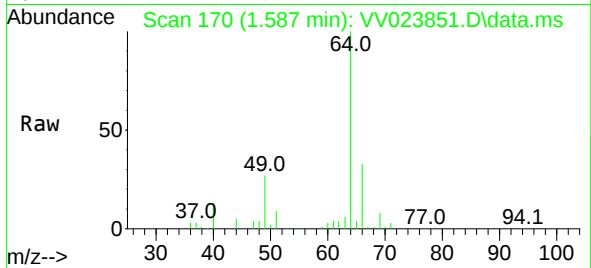




#8
Chloroethane
Concen: 4.477 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

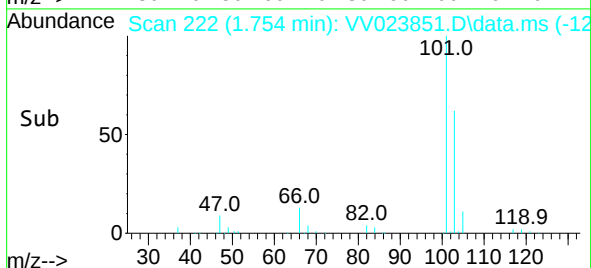
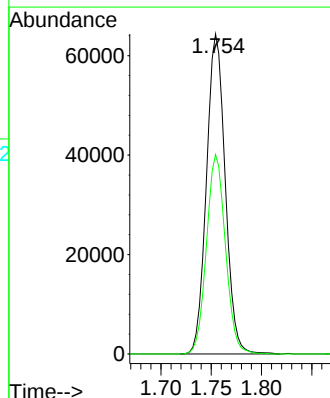
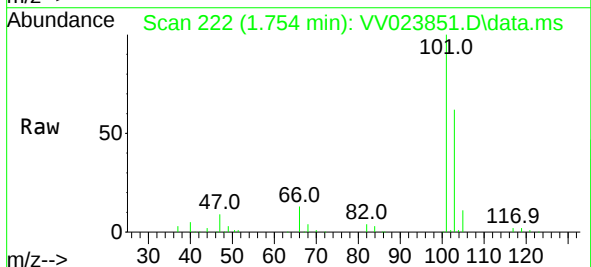
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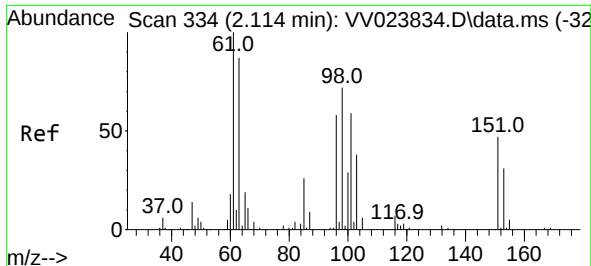
Tgt Ion: 64 Resp: 29673
Ion Ratio Lower Upper
64 100
66 32.5 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.897 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

Tgt Ion: 101 Resp: 83464
Ion Ratio Lower Upper
101 100
103 63.2 51.6 77.4

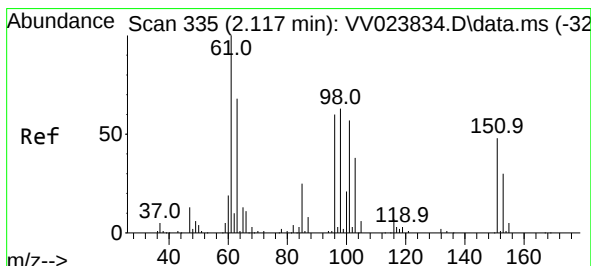
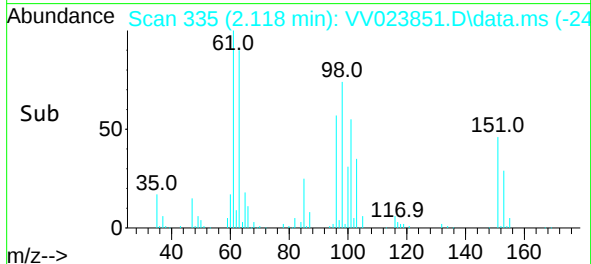
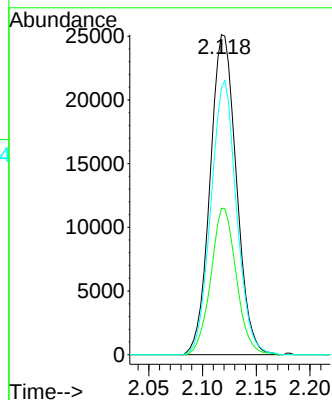
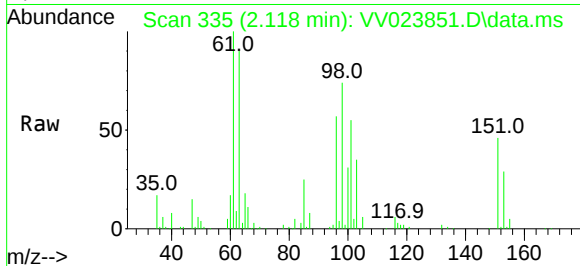




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.006 ug/L
RT: 2.118 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

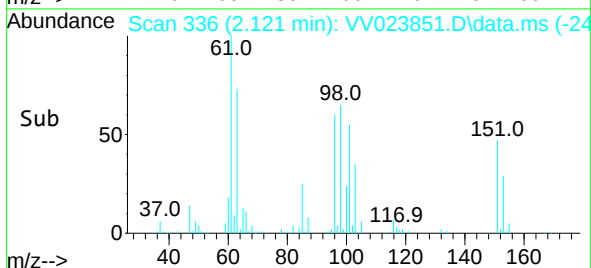
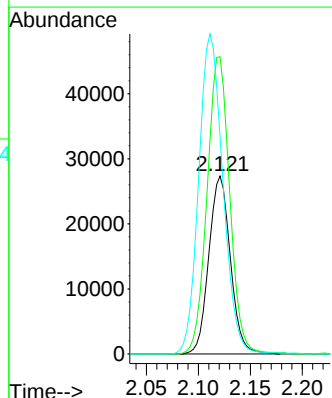
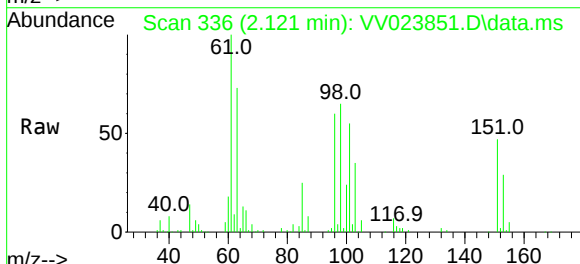
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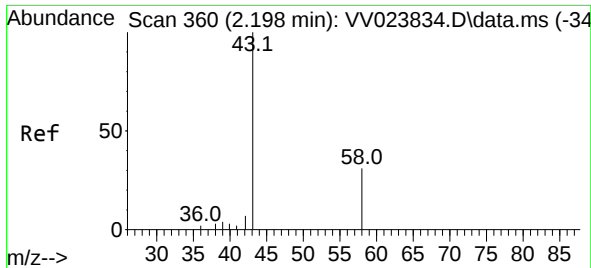
Tgt Ion:101 Resp: 42758
Ion Ratio Lower Upper
101 100
85 44.3 36.0 54.0
151 83.5 66.4 99.6



#12
1,1-Dichloroethene
Concen: 4.863 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

Tgt Ion: 96 Resp: 39345
Ion Ratio Lower Upper
96 100
61 167.1 116.1 215.5
63 122.3 79.4 147.4





#13

Acetone

Concen: 27.012 ug/L

RT: 2.198 min Scan# 3

Delta R.T. -0.026 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

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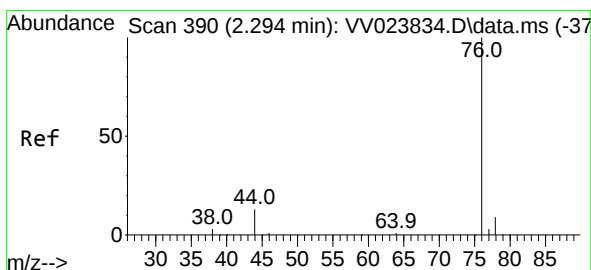
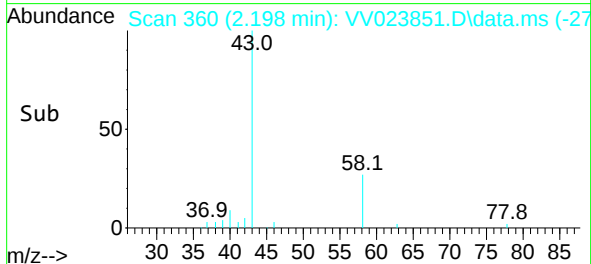
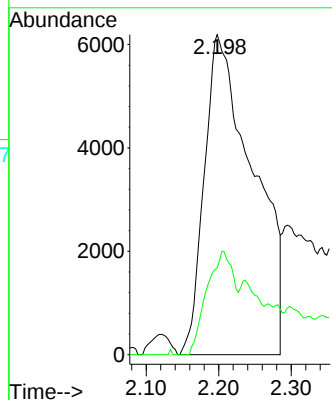
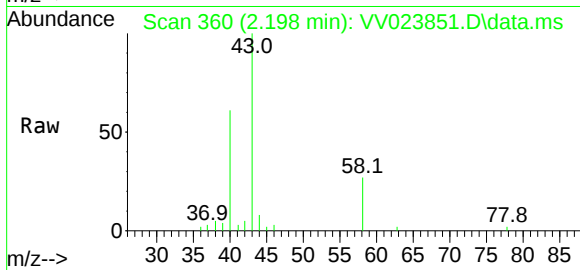
VSTD005384

Tgt Ion: 43 Resp: 28965

Ion Ratio Lower Upper

43 100

58 18.2 0.0 41.4



#14

Carbon disulfide

Concen: 4.228 ug/L

RT: 2.298 min Scan# 391

Delta R.T. 0.003 min

Lab File: VV023851.D

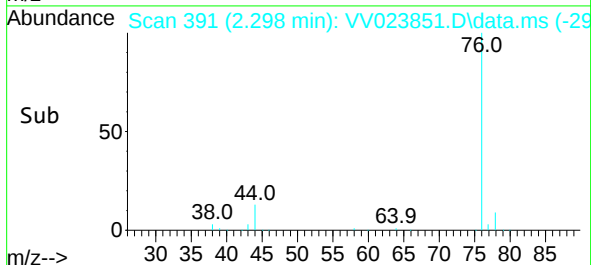
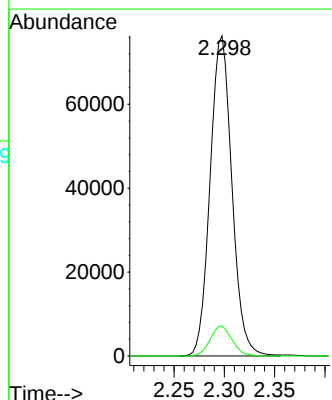
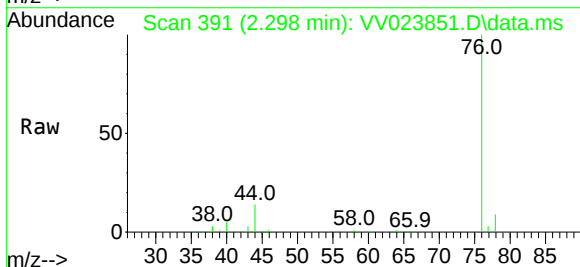
Acq: 08 Dec 2021 20:54

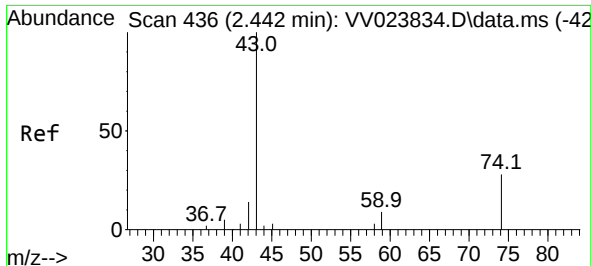
Tgt Ion: 76 Resp: 114983

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3





#15

Methyl Acetate

Concen: 3.451 ug/L

RT: 2.449 min Scan# 41

Delta R.T. 0.007 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

Instrument :

MSVOA_V

ClientSampleId :

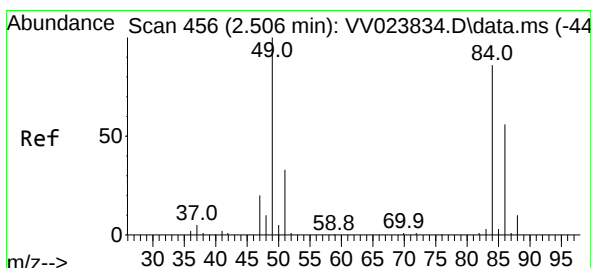
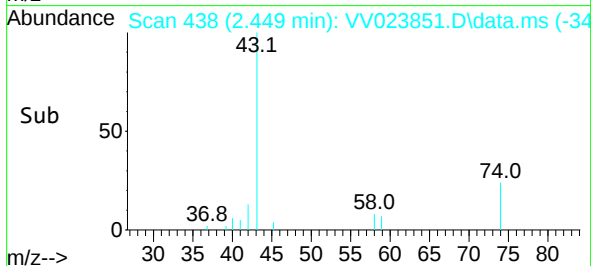
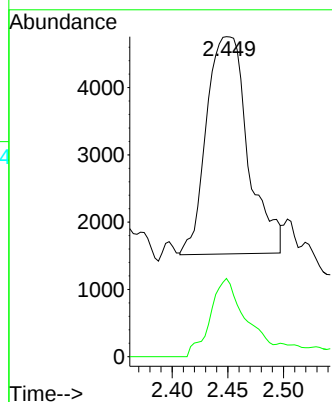
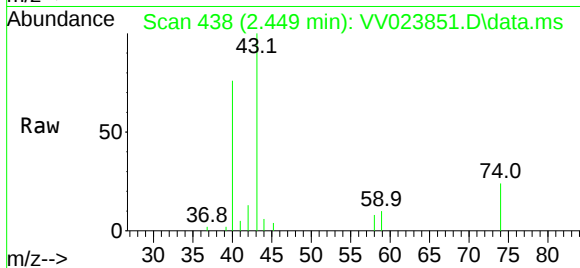
VSTD005384

Tgt Ion: 43 Resp: 8399

Ion Ratio Lower Upper

43 100

74 31.1 20.2 30.2#



#16

Methylene chloride

Concen: 5.151 ug/L

RT: 2.510 min Scan# 457

Delta R.T. 0.003 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

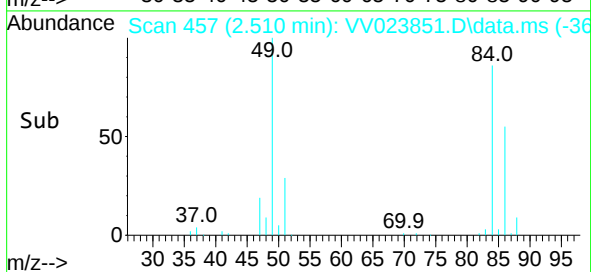
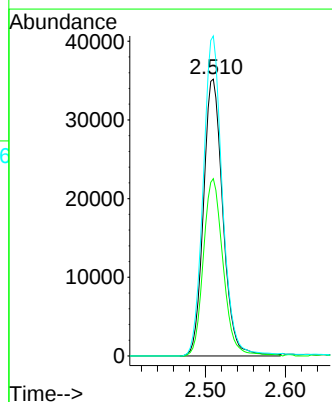
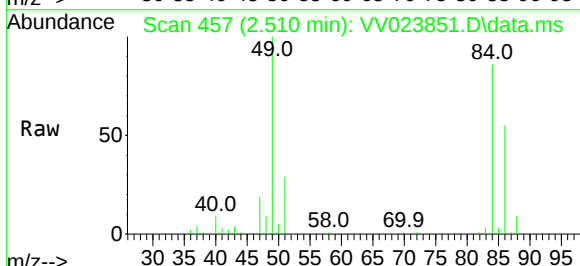
Tgt Ion: 84 Resp: 59470

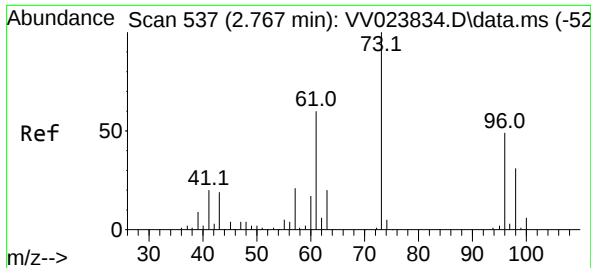
Ion Ratio Lower Upper

84 100

86 64.0 42.6 79.0

49 115.6 79.7 147.9

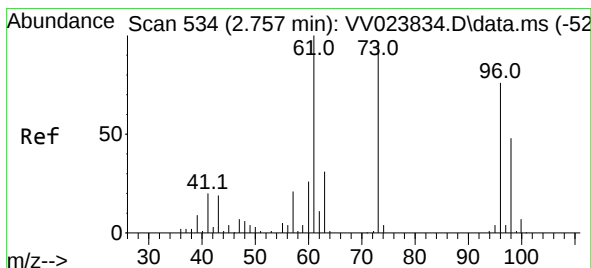
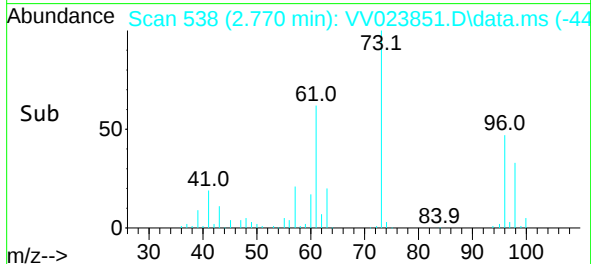
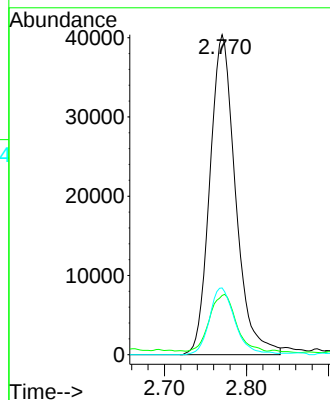
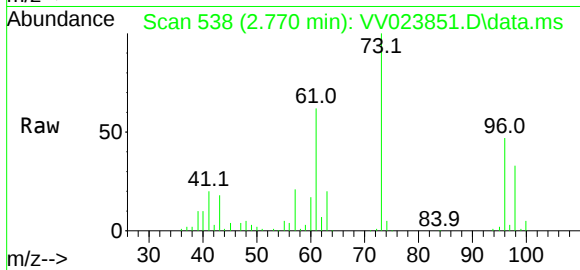




#17
Methyl tert-butyl Ether
Concen: 5.307 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

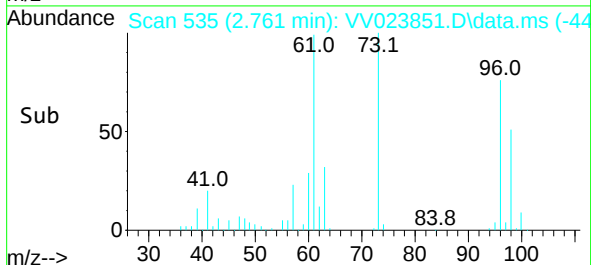
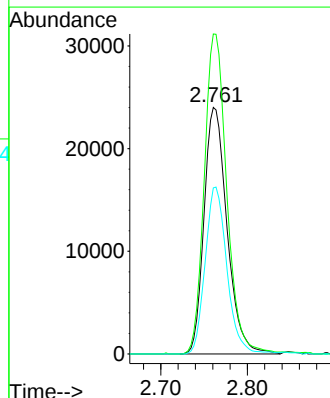
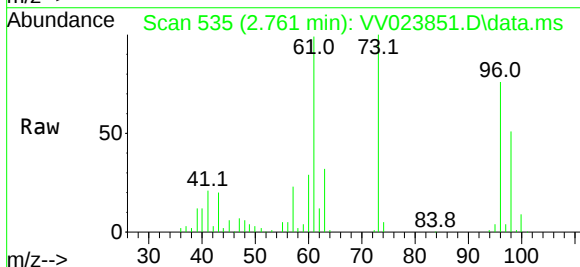
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

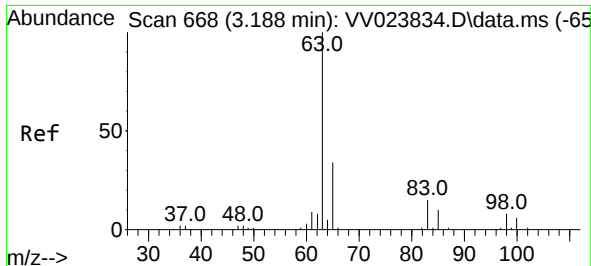
Tgt Ion: 73 Resp: 87990
Ion Ratio Lower Upper
73 100
43 18.4 15.5 23.3
57 20.8 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.815 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

Tgt Ion: 96 Resp: 44367
Ion Ratio Lower Upper
96 100
61 129.8 88.2 163.8
98 67.3 44.9 83.5

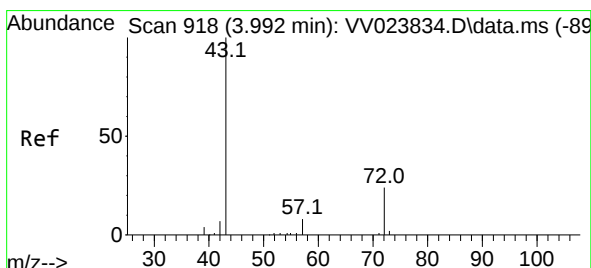
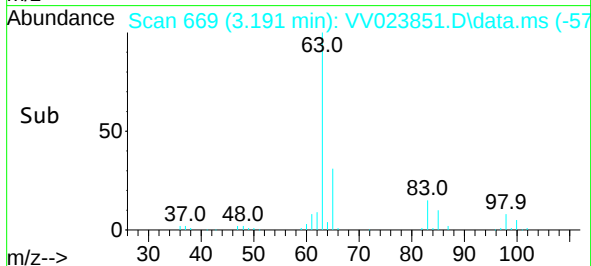
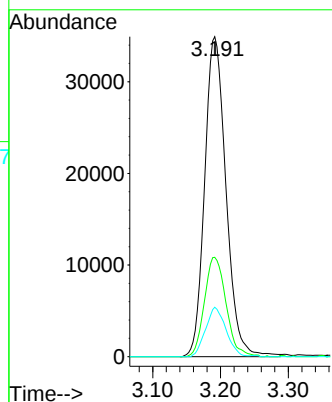
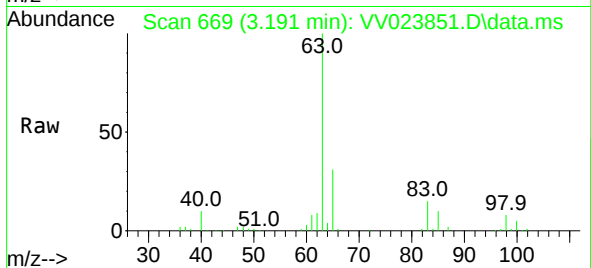




#19
1,1-Dichloroethane
Concen: 4.926 ug/L
RT: 3.191 min Scan# 60
Delta R.T. 0.007 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

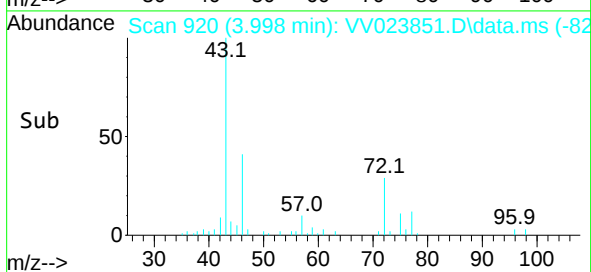
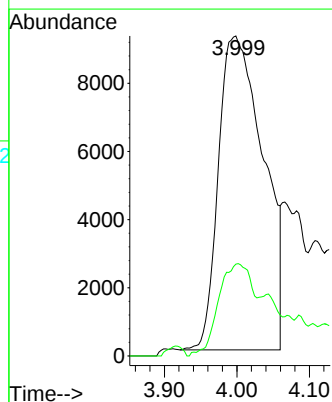
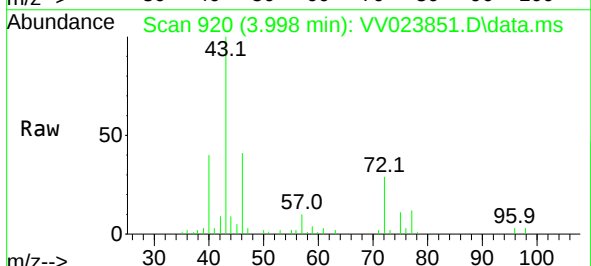
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

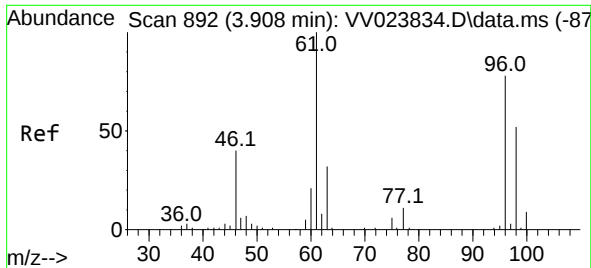
Tgt Ion: 63 Resp: 76330
Ion Ratio Lower Upper
63 100
65 31.1 22.3 41.3
83 15.4 10.7 19.9



#21
2-Butanone
Concen: 29.254 ug/L
RT: 3.998 min Scan# 920
Delta R.T. -0.003 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

Tgt Ion: 43 Resp: 39705
Ion Ratio Lower Upper
43 100
72 22.1 11.1 33.1

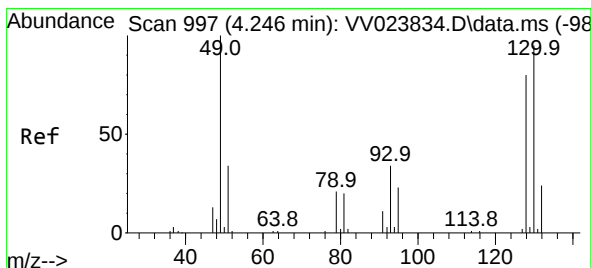
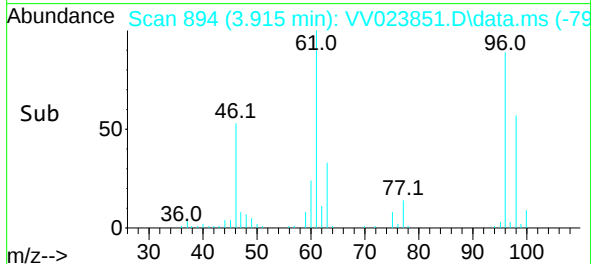
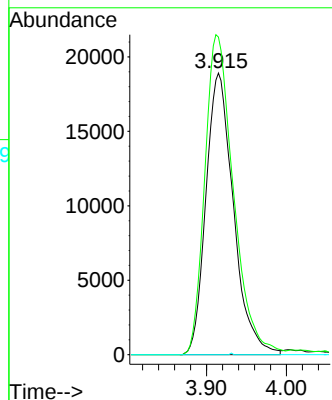
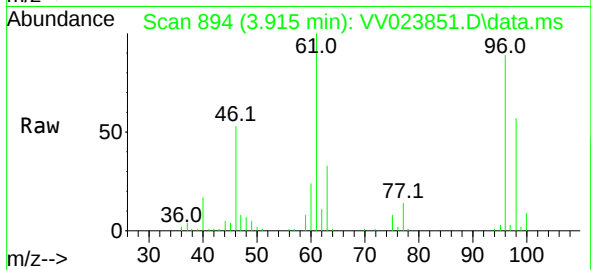




#22
 cis-1,2-Dichloroethene
 Concen: 5.122 ug/L
 RT: 3.915 min Scan# 894
 Delta R.T. 0.007 min
 Lab File: VV023851.D
 Acq: 08 Dec 2021 20:54

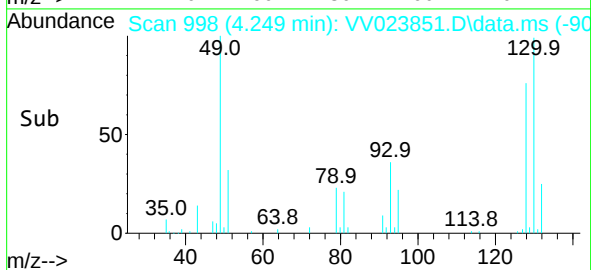
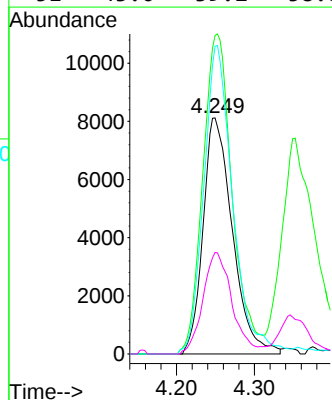
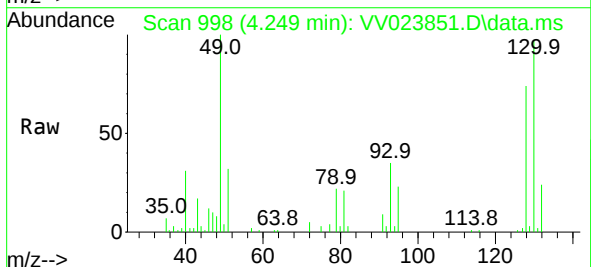
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005384

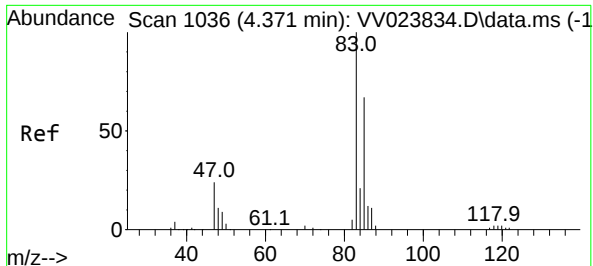
Tgt Ion: 96 Resp: 45266
 Ion Ratio Lower Upper
 96 100
 61 112.8 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.123 ug/L
 RT: 4.249 min Scan# 998
 Delta R.T. 0.003 min
 Lab File: VV023851.D
 Acq: 08 Dec 2021 20:54

Tgt Ion: 128 Resp: 21248
 Ion Ratio Lower Upper
 128 100
 49 135.0 100.2 186.2
 130 130.4 92.5 171.7
 51 43.0 39.2 58.8





#25

Chloroform

Concen: 4.879 ug/L

RT: 4.378 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

Instrument :

MSVOA_V

ClientSampleId :

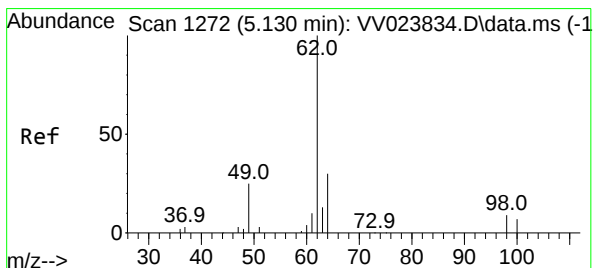
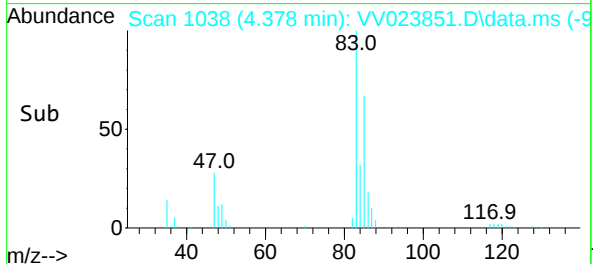
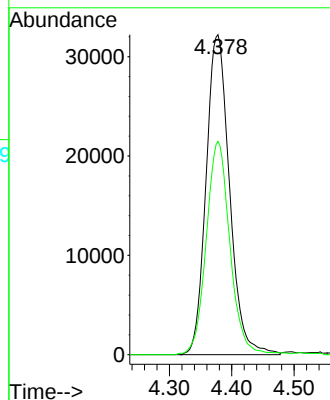
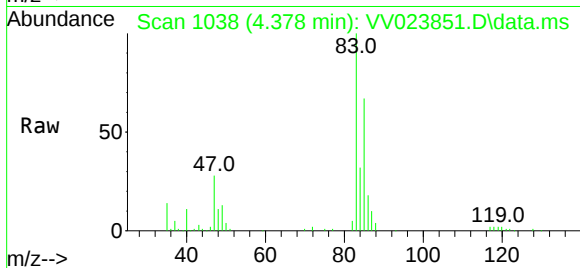
VSTD005384

Tgt Ion: 83 Resp: 84217

Ion Ratio Lower Upper

83 100

85 66.7 45.2 84.0



#27

1,2-Dichloroethane

Concen: 5.047 ug/L

RT: 5.133 min Scan# 1273

Delta R.T. 0.007 min

Lab File: VV023851.D

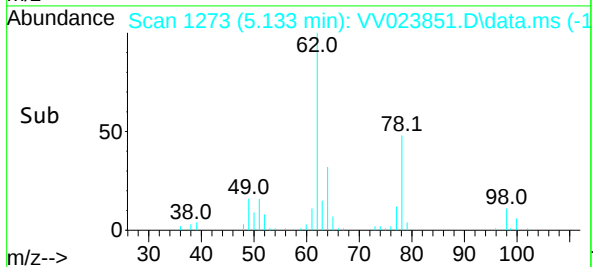
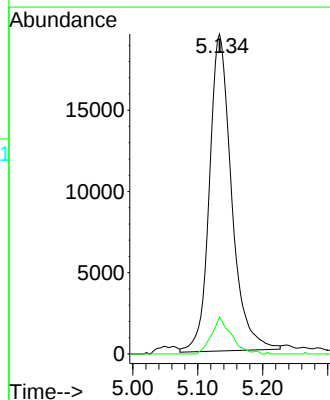
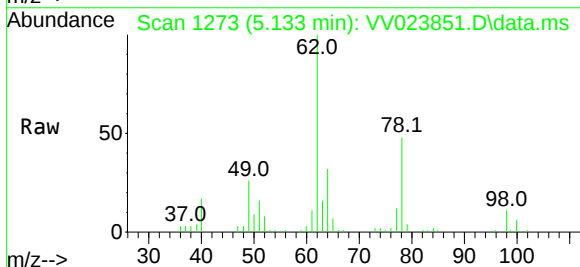
Acq: 08 Dec 2021 20:54

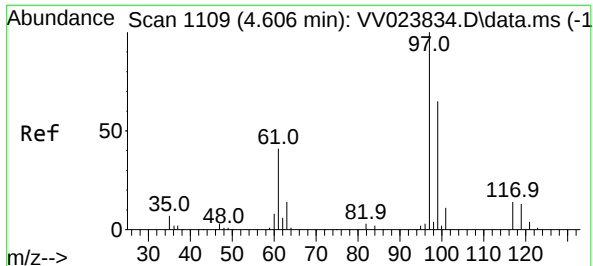
Tgt Ion: 62 Resp: 46316

Ion Ratio Lower Upper

62 100

98 11.5 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 5.282 ug/L

RT: 4.609 min Scan# 1109

Delta R.T. 0.007 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD005384

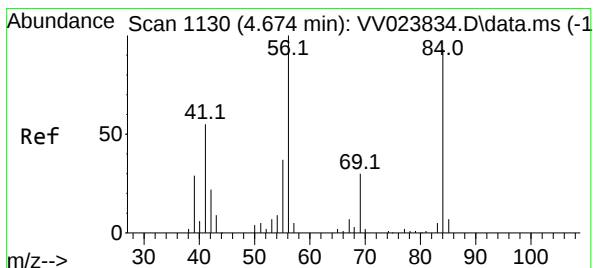
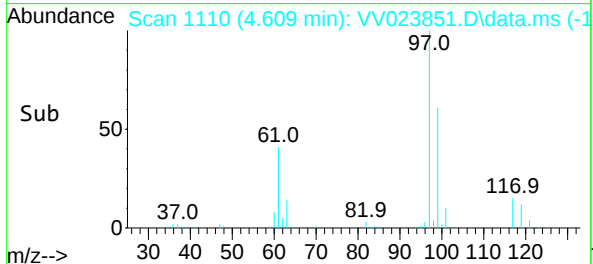
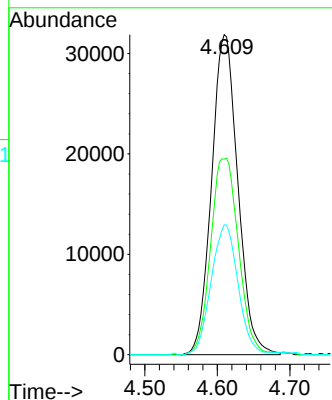
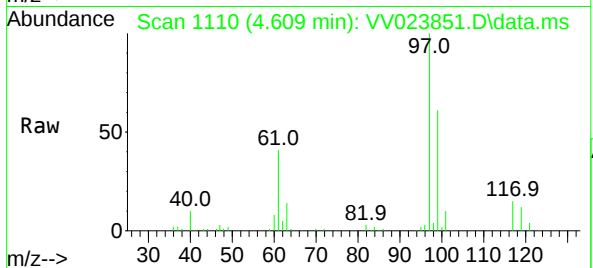
Tgt Ion: 97 Resp: 80313

Ion Ratio Lower Upper

97 100

99 65.3 51.9 77.9

61 41.5 33.2 49.8



#30

Cyclohexane

Concen: 4.950 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

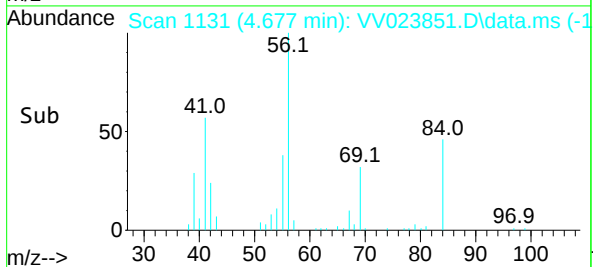
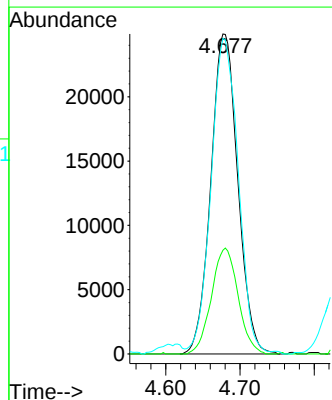
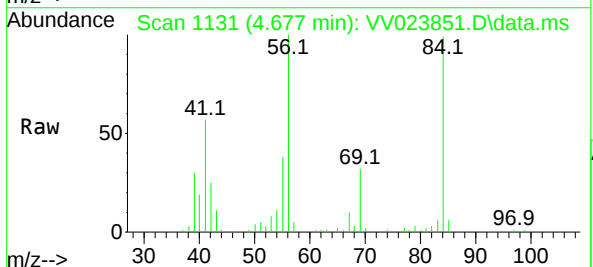
Tgt Ion: 56 Resp: 62802

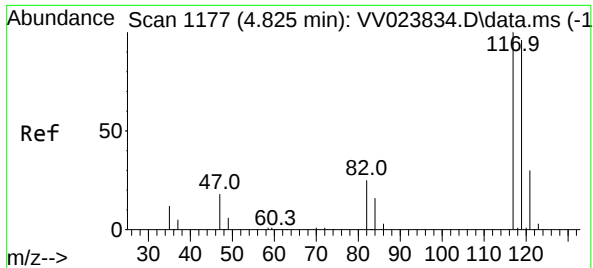
Ion Ratio Lower Upper

56 100

69 32.7 24.8 37.2

84 98.4 75.9 113.9

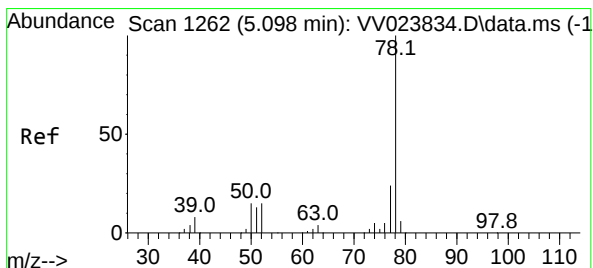
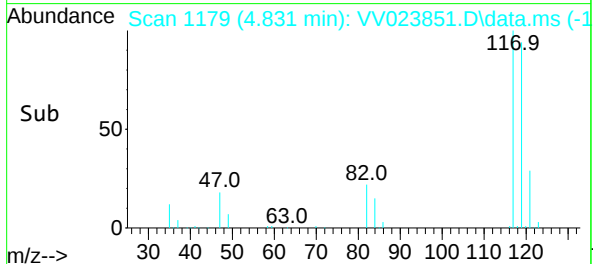
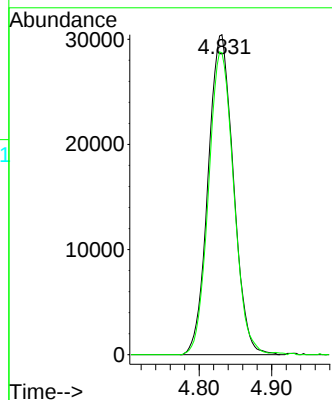
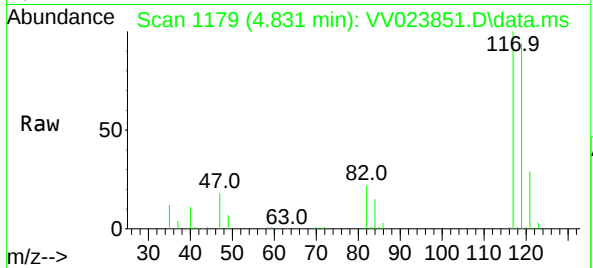




#31
Carbon tetrachloride
Concen: 5.297 ug/L
RT: 4.831 min Scan# 1177
Delta R.T. 0.007 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

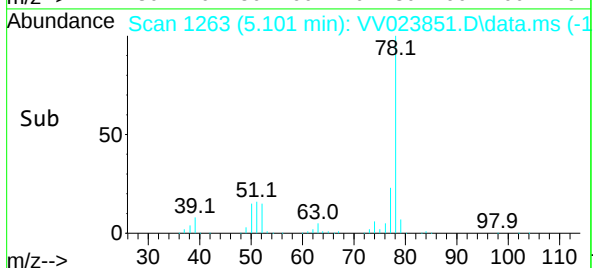
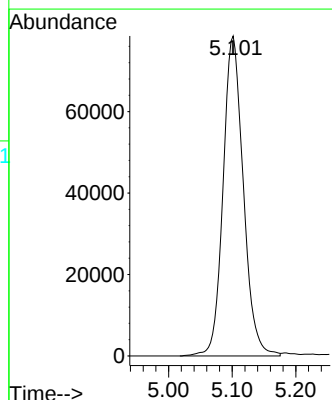
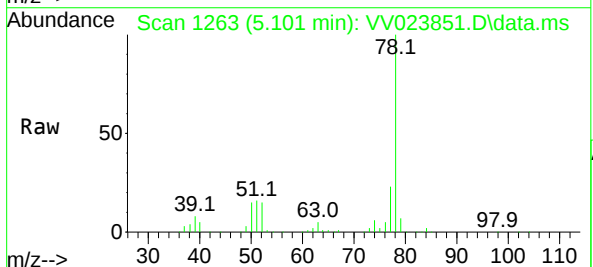
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

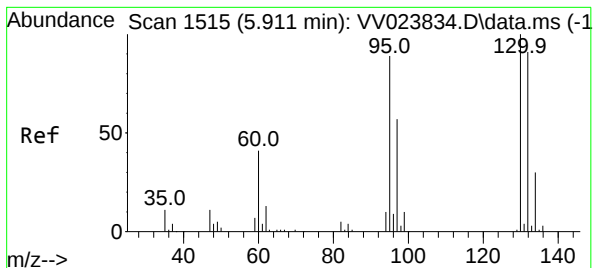
Tgt Ion:117 Resp: 73766
Ion Ratio Lower Upper
117 100
119 94.1 76.6 114.8



#33
Benzene
Concen: 5.237 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.007 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

Tgt Ion: 78 Resp: 173717





#34

Trichloroethene

Concen: 5.208 ug/L

RT: 5.915 min Scan# 1515

Delta R.T. 0.003 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD005384

Tgt Ion: 95 Resp: 46273

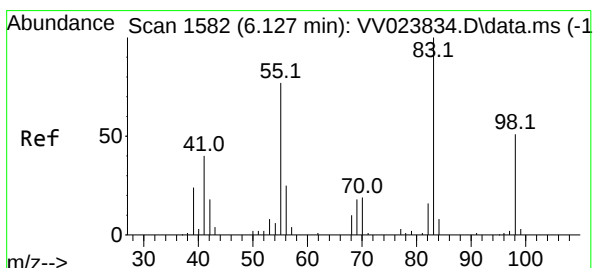
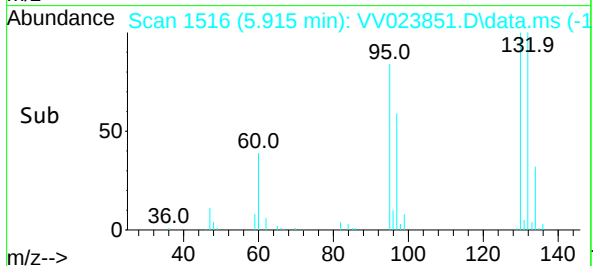
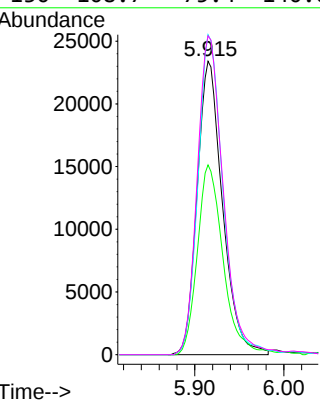
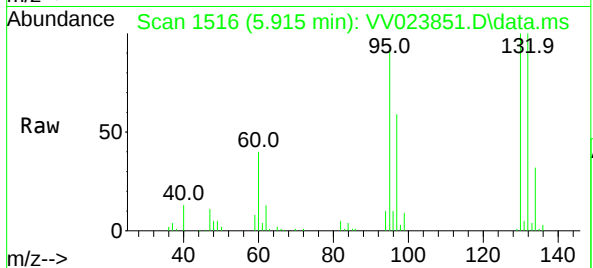
Ion Ratio Lower Upper

95 100

97 64.7 45.2 84.0

132 109.1 76.1 141.3

130 108.7 75.4 140.0



#35

Methylcyclohexane

Concen: 5.246 ug/L

RT: 6.133 min Scan# 1584

Delta R.T. 0.007 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

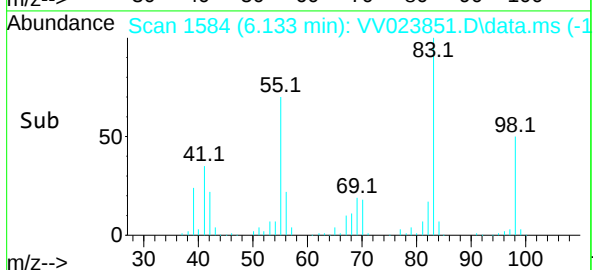
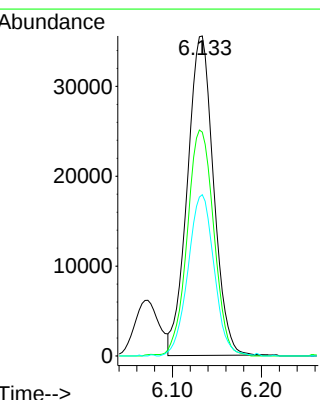
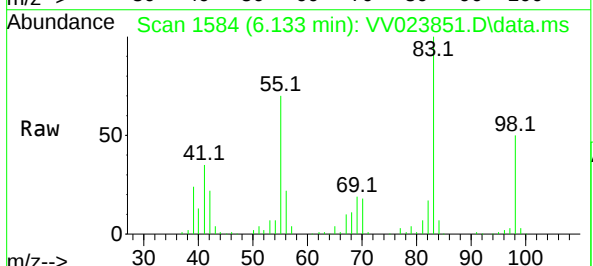
Tgt Ion: 83 Resp: 72669

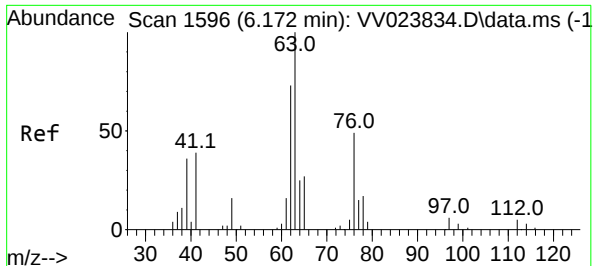
Ion Ratio Lower Upper

83 100

55 71.7 60.2 90.2

98 50.4 41.0 61.4





#37

1,2-Dichloropropane

Concen: 4.884 ug/L

RT: 6.175 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

Instrument :

MSVOA_V

ClientSampleId :

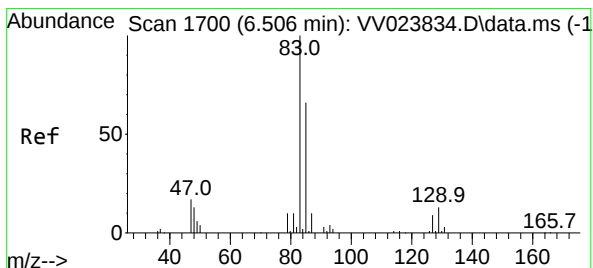
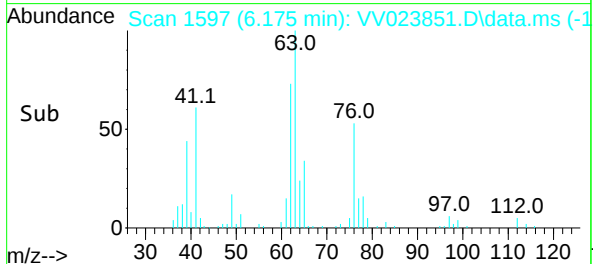
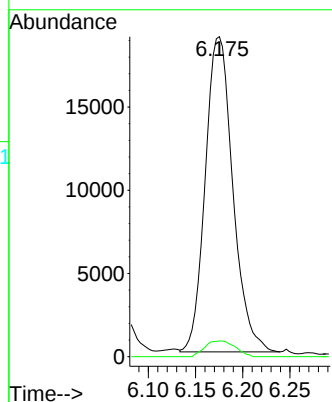
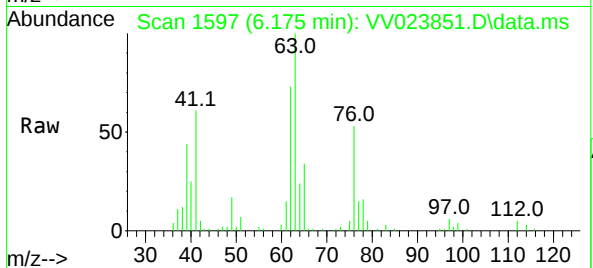
VSTD005384

Tgt Ion: 63 Resp: 38505

Ion Ratio Lower Upper

63 100

112 5.5 4.3 6.5



#38

Bromodichloromethane

Concen: 5.303 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. 0.007 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

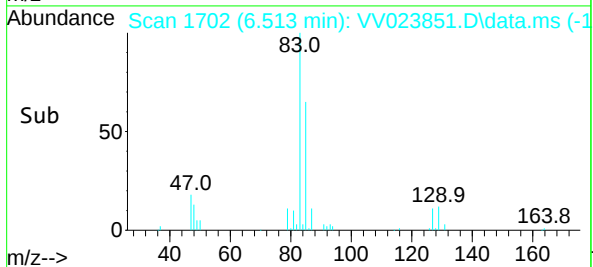
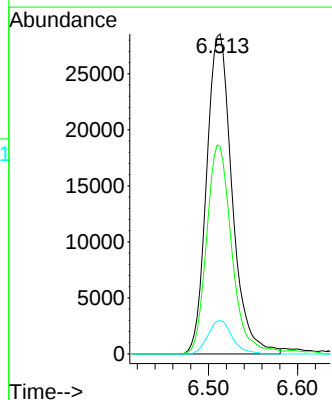
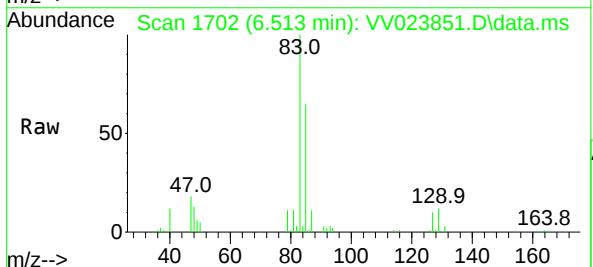
Tgt Ion: 83 Resp: 56745

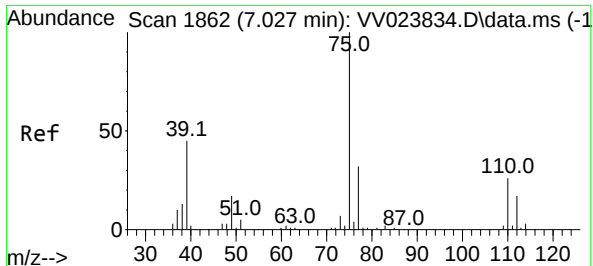
Ion Ratio Lower Upper

83 100

85 64.8 44.0 81.8

127 10.5 8.6 12.8





#39

cis-1,3-Dichloropropene

Concen: 5.509 ug/L

RT: 7.027 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

Instrument :

MSVOA_V

ClientSampleId :

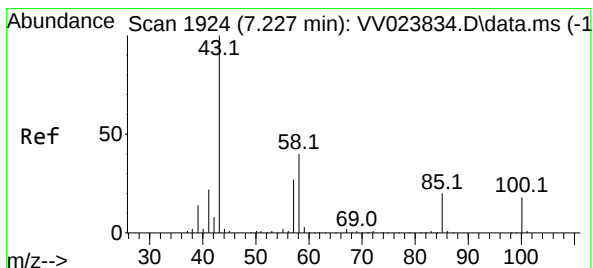
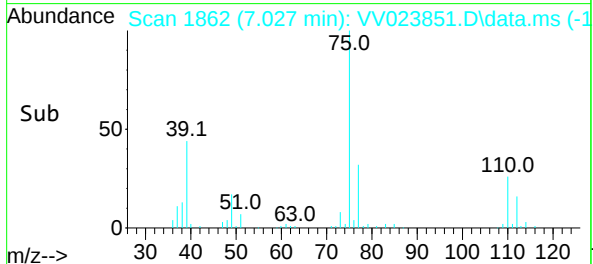
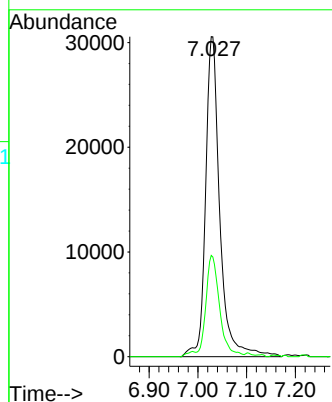
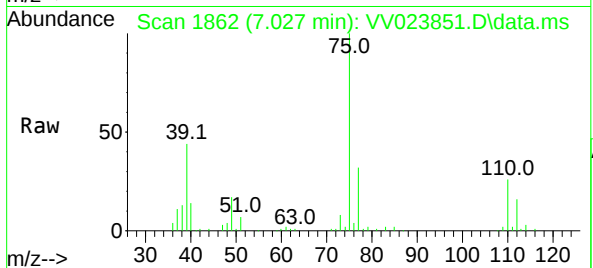
VSTD005384

Tgt Ion: 75 Resp: 61817

Ion Ratio Lower Upper

75 100

77 31.6 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 56.157 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

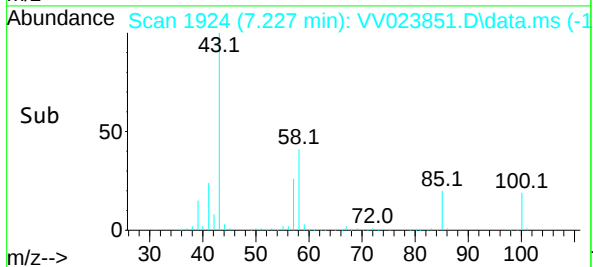
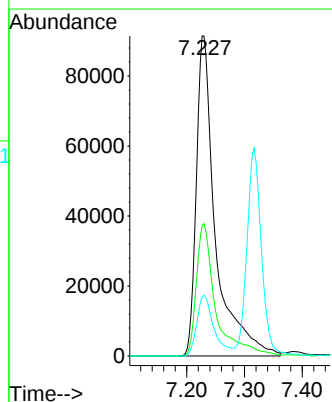
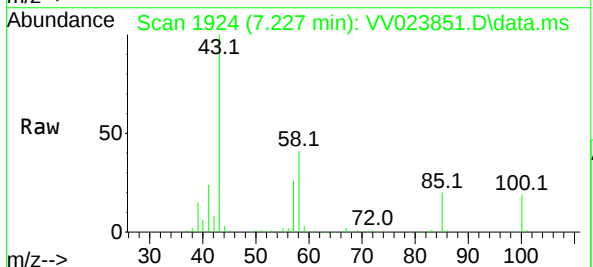
Tgt Ion: 43 Resp: 211360

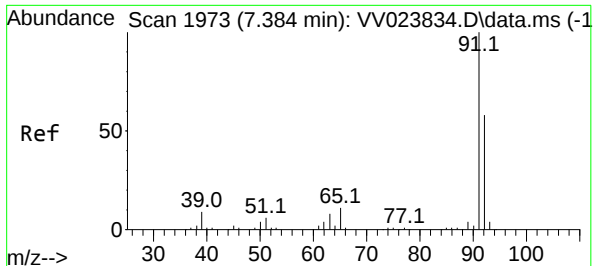
Ion Ratio Lower Upper

43 100

58 41.6 32.3 48.5

100 16.9 13.0 19.6





#42

Toluene

Concen: 5.500 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

Instrument :

MSVOA_V

ClientSampleId :

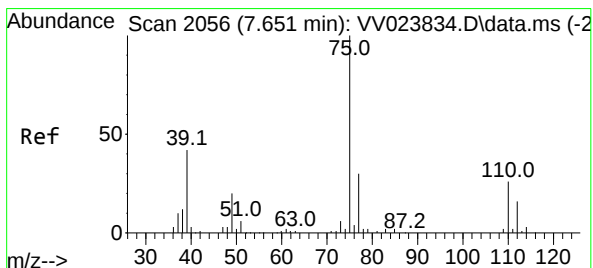
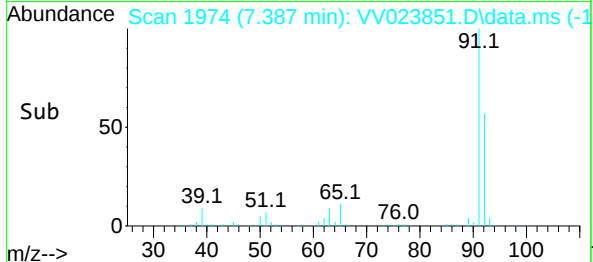
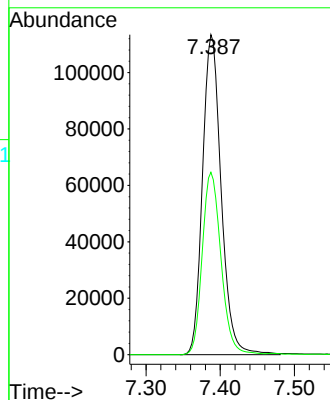
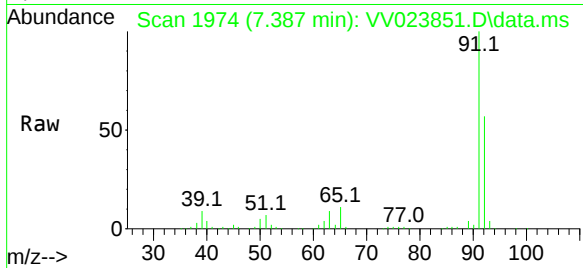
VSTD005384

Tgt Ion: 91 Resp: 197855

Ion Ratio Lower Upper

91 100

92 57.0 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 5.589 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VV023851.D

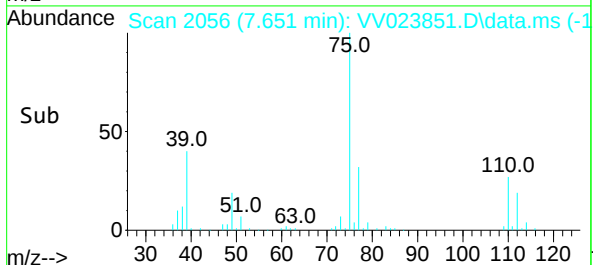
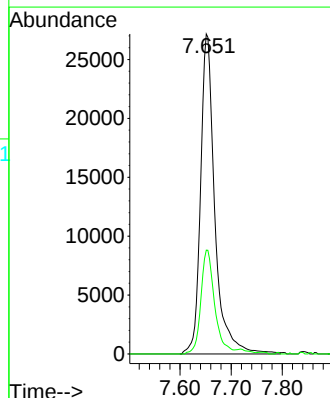
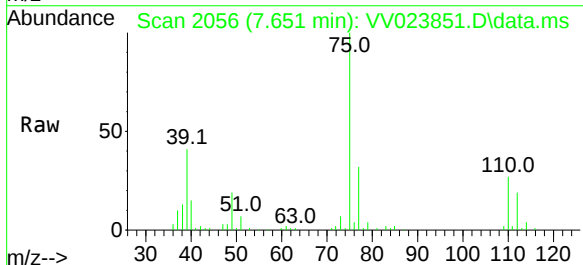
Acq: 08 Dec 2021 20:54

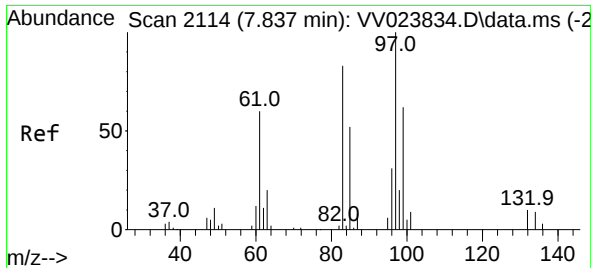
Tgt Ion: 75 Resp: 52705

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.4



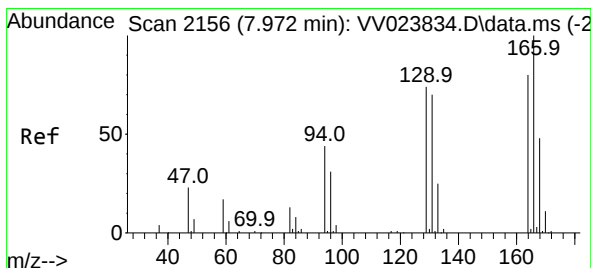
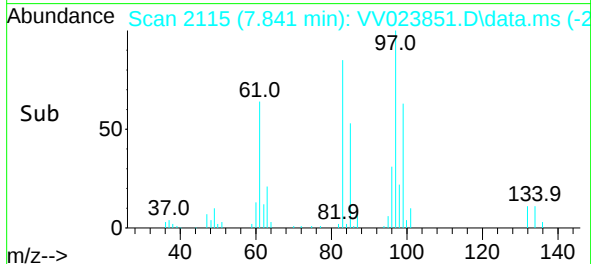
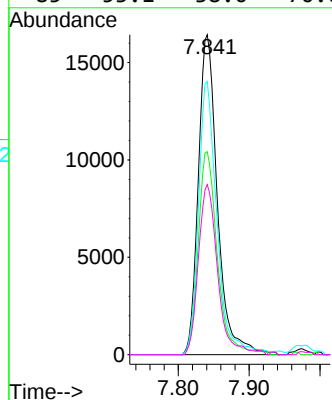
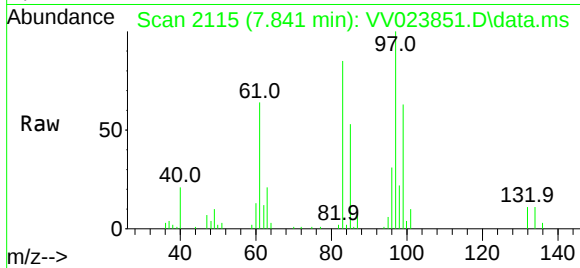


#45
 1,1,2-Trichloroethane
 Concen: 5.643 ug/L
 RT: 7.841 min Scan# 2115
 Delta R.T. 0.003 min
 Lab File: VV023851.D
 Acq: 08 Dec 2021 20:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005384

Tgt Ion: 97 Resp: 30807

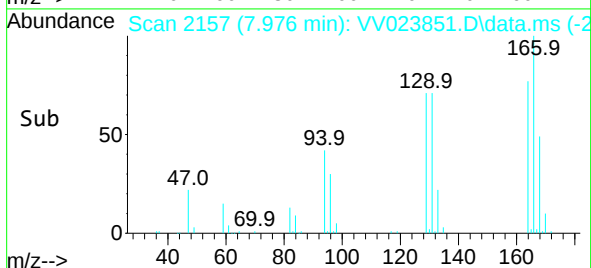
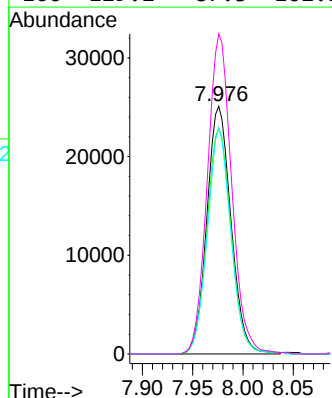
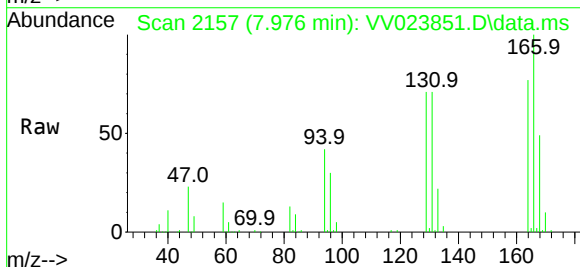
Ion	Ratio	Lower	Upper
97	100		
99	63.4	43.1	80.1
83	85.4	57.9	107.5
85	53.1	38.0	70.6

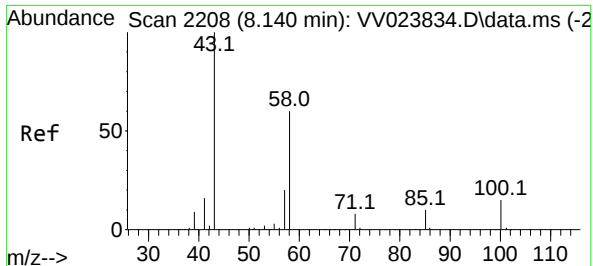


#47
 Tetrachloroethene
 Concen: 5.190 ug/L
 RT: 7.976 min Scan# 2157
 Delta R.T. 0.003 min
 Lab File: VV023851.D
 Acq: 08 Dec 2021 20:54

Tgt Ion: 164 Resp: 41975

Ion	Ratio	Lower	Upper
164	100		
129	91.3	62.6	116.2
131	91.2	61.0	113.4
166	129.2	87.3	162.1



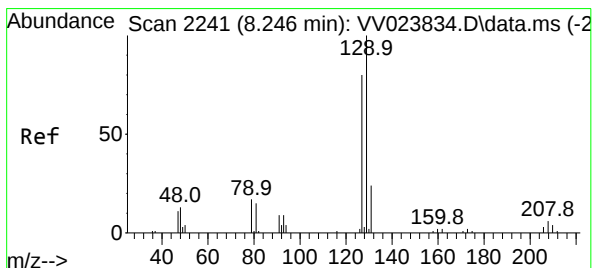
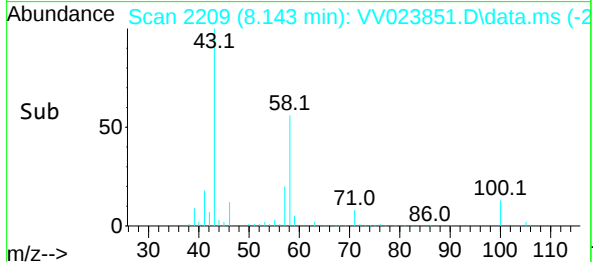
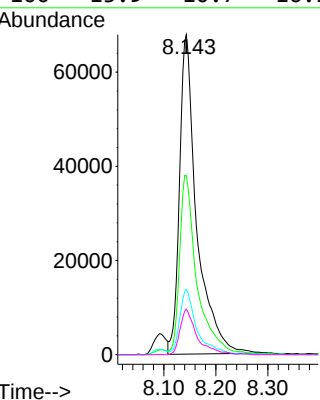
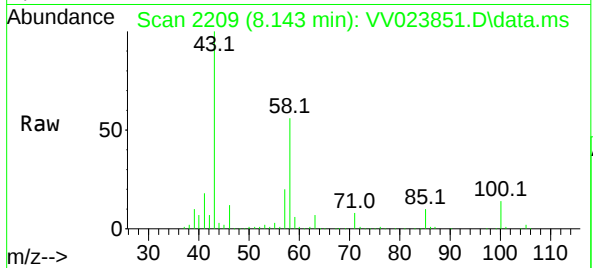


#48
2-Hexanone
Concen: 56.155 ug/L
RT: 8.143 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

Tgt Ion: 43 Resp: 156211

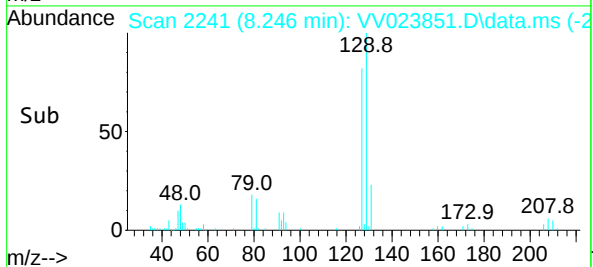
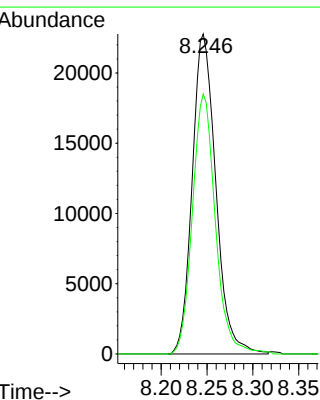
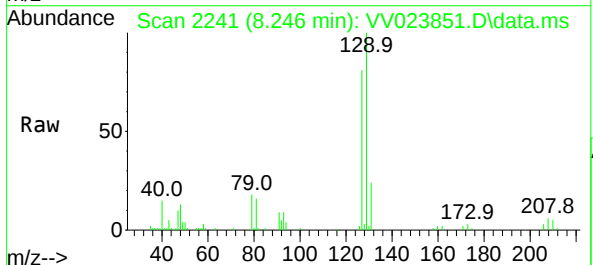
Ion	Ratio	Lower	Upper
43	100		
58	55.8	44.5	66.7
57	19.4	15.1	22.7
100	13.9	10.7	16.1

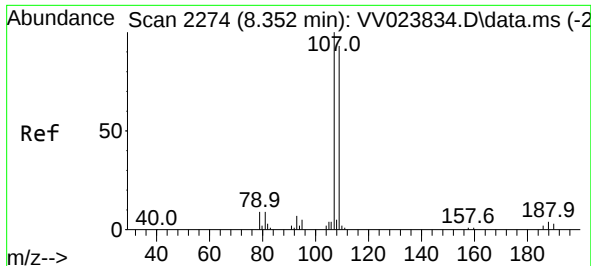


#49
Dibromochloromethane
Concen: 5.452 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

Tgt Ion: 129 Resp: 40787

Ion	Ratio	Lower	Upper
129	100		
127	81.2	53.5	99.3





#50

1,2-Dibromoethane

Concen: 5.510 ug/L

RT: 8.355 min Scan# 21

Delta R.T. 0.007 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD005384

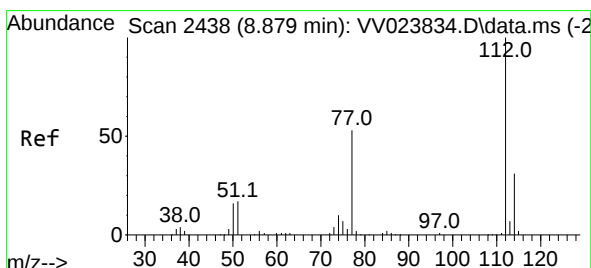
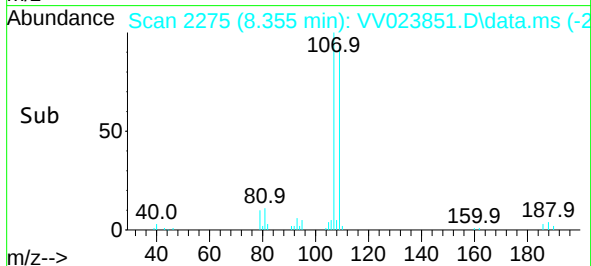
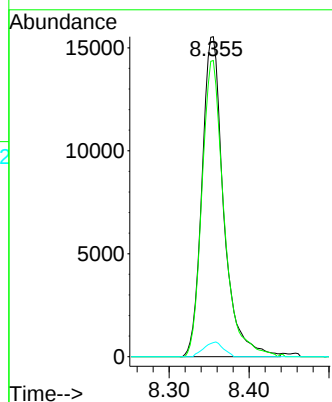
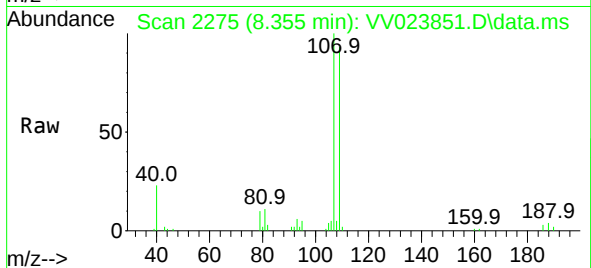
Tgt Ion:107 Resp: 29330

Ion Ratio Lower Upper

107 100

109 92.5 62.5 116.1

188 4.4 3.4 5.2



#51

Chlorobenzene

Concen: 5.376 ug/L

RT: 8.883 min Scan# 2439

Delta R.T. 0.003 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

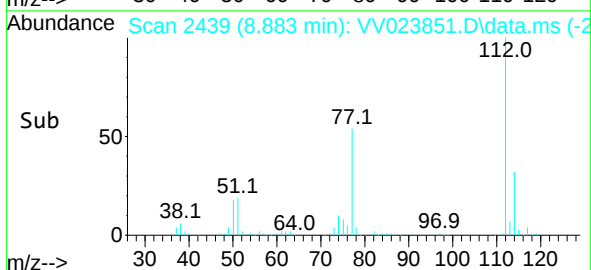
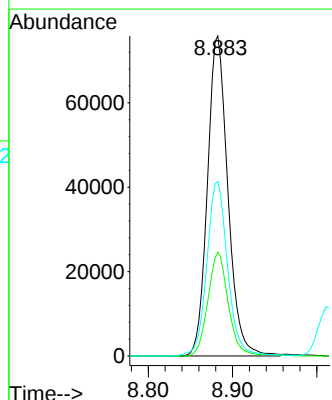
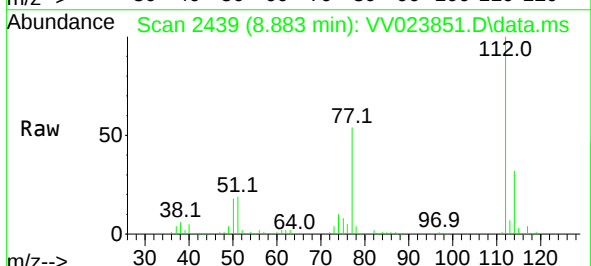
Tgt Ion:112 Resp: 128200

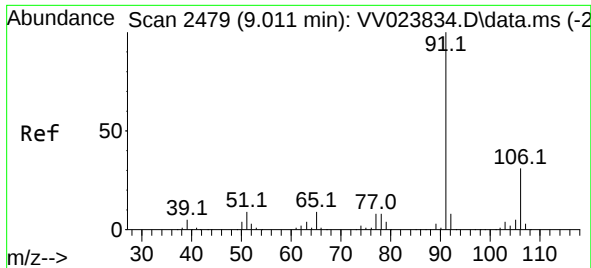
Ion Ratio Lower Upper

112 100

114 32.4 23.3 43.3

77 54.5 43.3 64.9

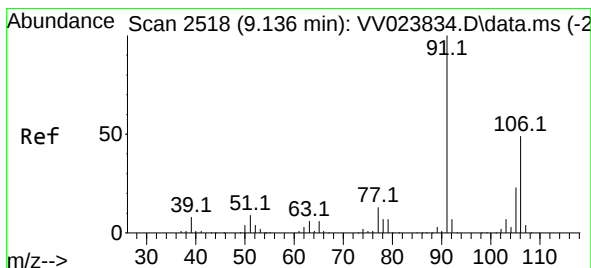
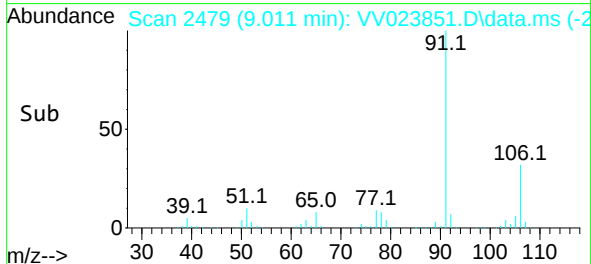
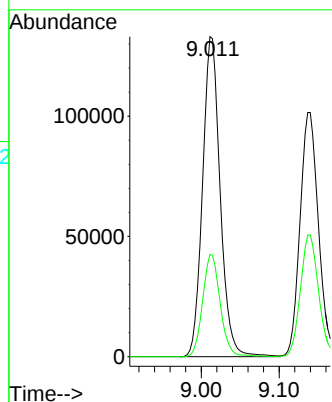
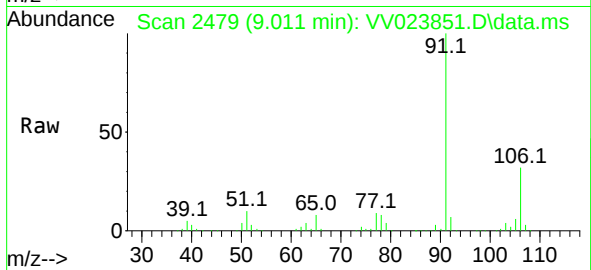




#52
Ethylbenzene
Concen: 5.562 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

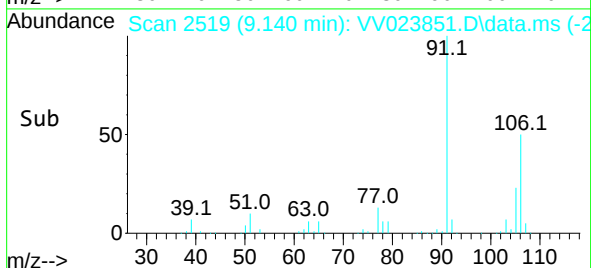
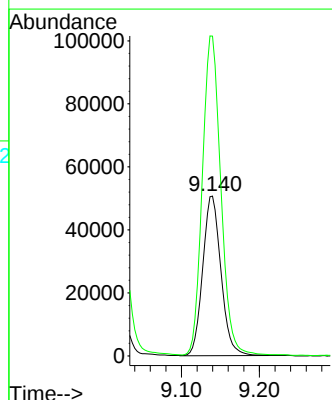
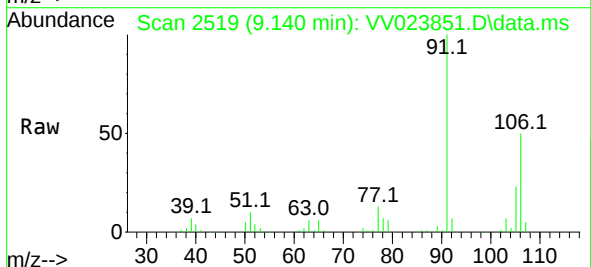
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

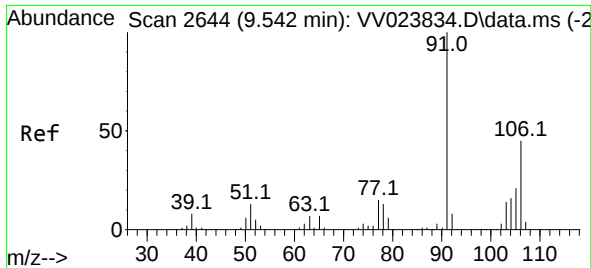
Tgt Ion: 91 Resp: 209125
Ion Ratio Lower Upper
91 100
106 32.0 22.0 41.0



#53
m,p-xylene
Concen: 5.505 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.003 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

Tgt Ion: 106 Resp: 82378
Ion Ratio Lower Upper
106 100
91 200.2 139.5 259.1

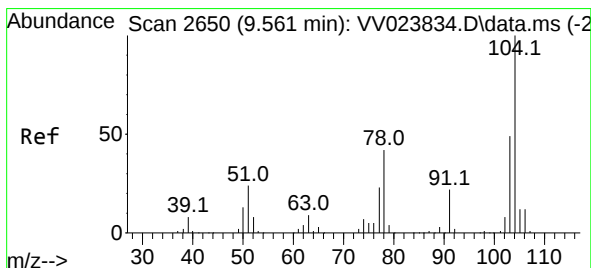
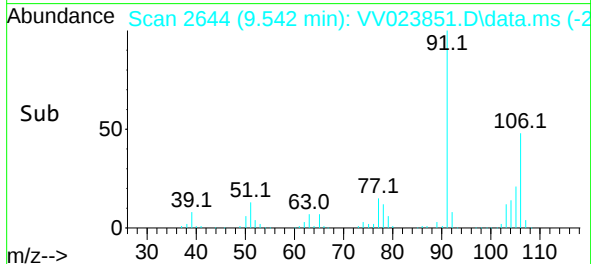
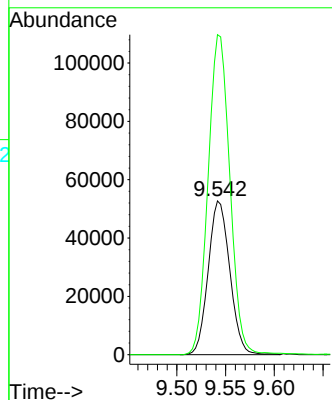
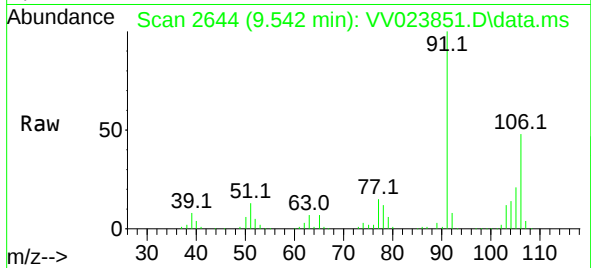




#54
o-xylene
Concen: 5.707 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

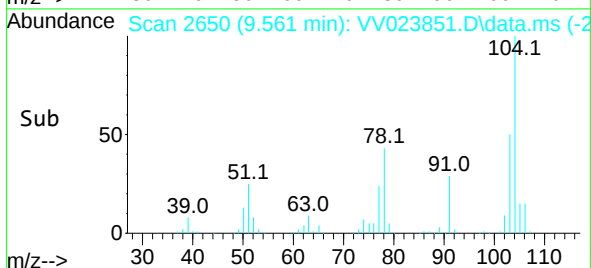
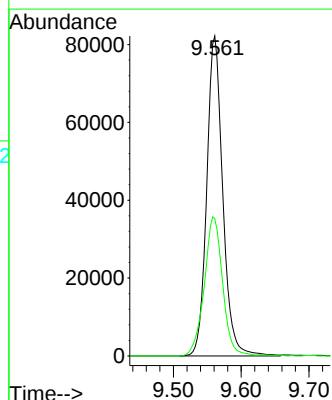
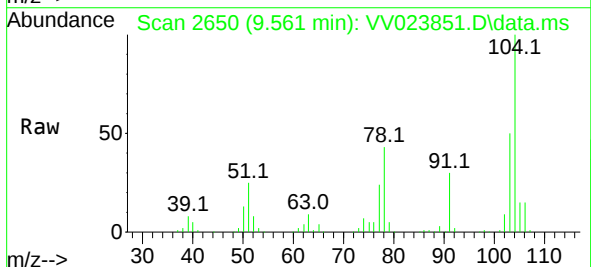
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

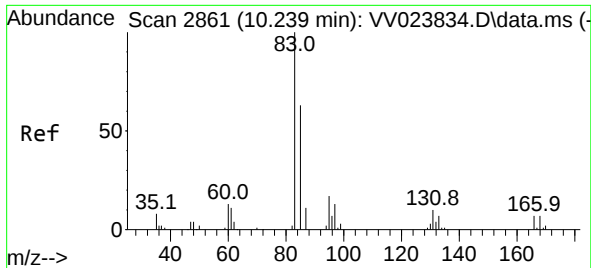
Tgt Ion:106 Resp: 81220
Ion Ratio Lower Upper
106 100
91 208.1 147.9 274.7



#55
Styrene
Concen: 5.641 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

Tgt Ion:104 Resp: 135264
Ion Ratio Lower Upper
104 100
78 42.9 31.0 57.6

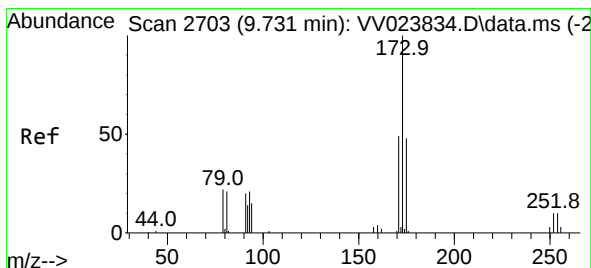
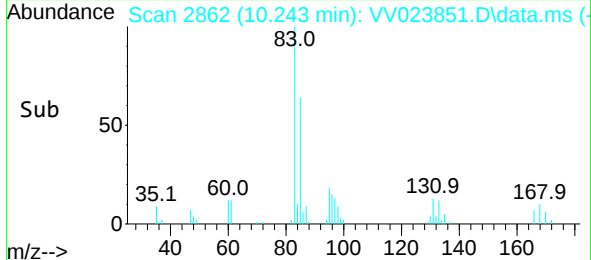
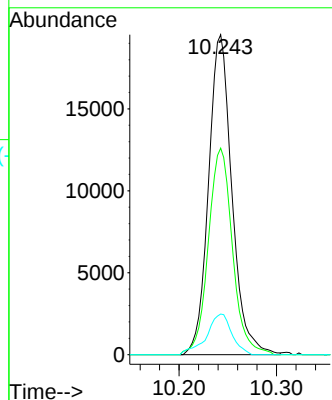
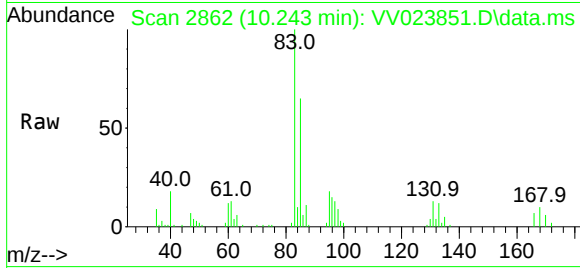




#57
1,1,2,2-Tetrachloroethane
Concen: 5.363 ug/L
RT: 10.243 min Scan# 2862
Delta R.T. 0.003 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

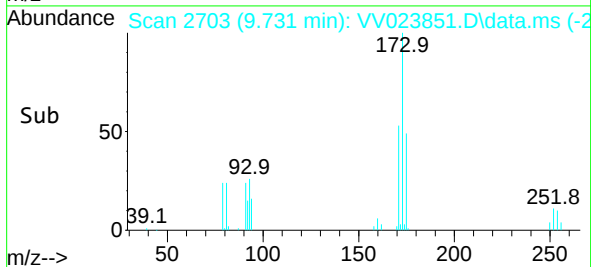
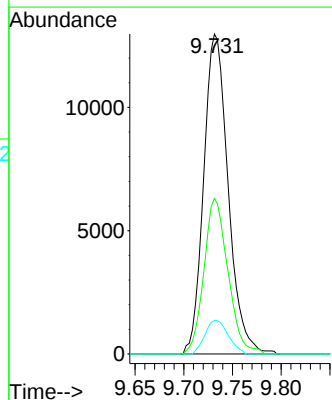
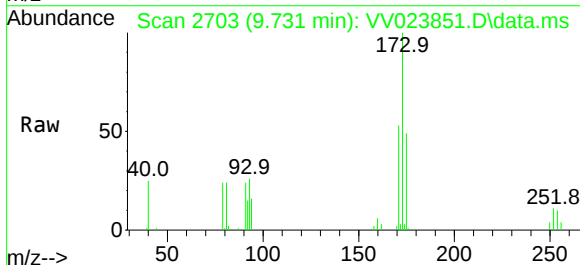
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

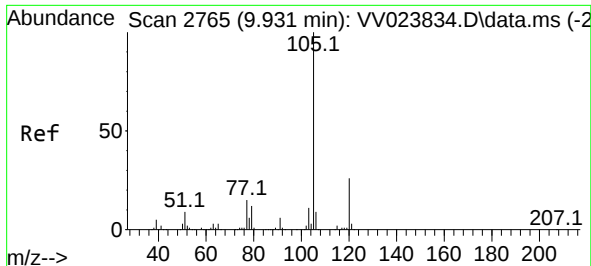
Tgt Ion: 83 Resp: 32576
Ion Ratio Lower Upper
83 100
85 64.6 44.6 82.8
131 12.7 8.3 12.5#



#59
Bromoform
Concen: 5.172 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. 0.000 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

Tgt Ion: 173 Resp: 22676
Ion Ratio Lower Upper
173 100
175 47.7 39.4 59.2
254 10.0 7.4 11.0

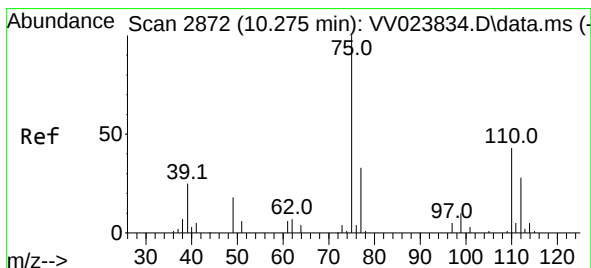
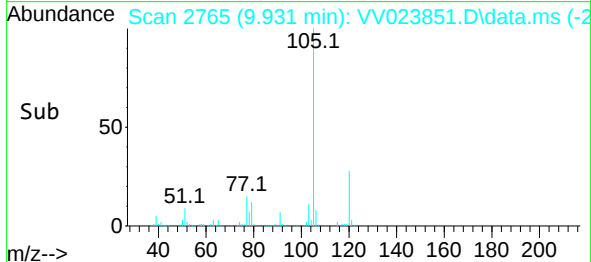
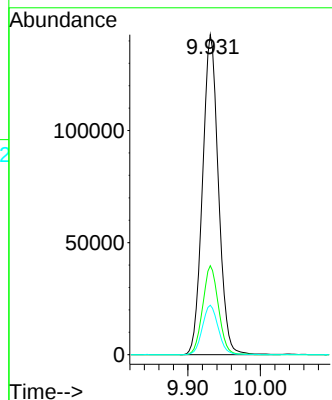
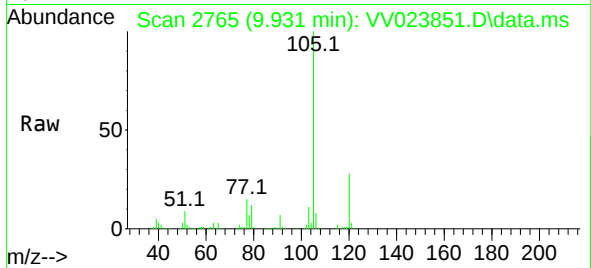




#60
Isopropylbenzene
Concen: 5.488 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

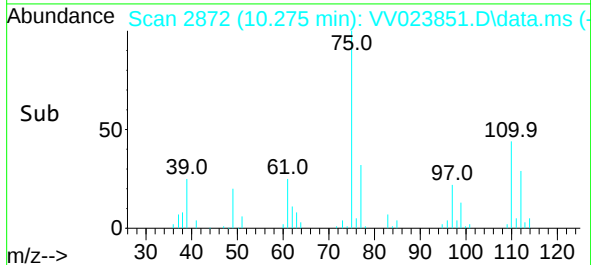
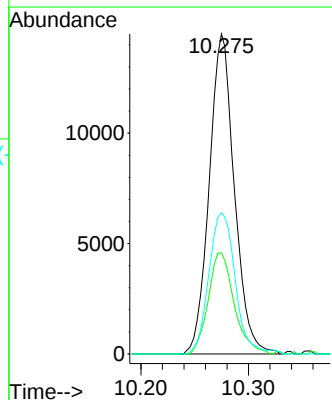
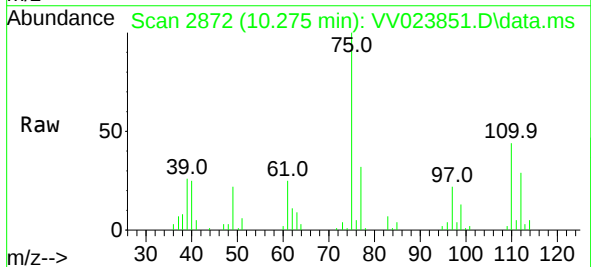
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

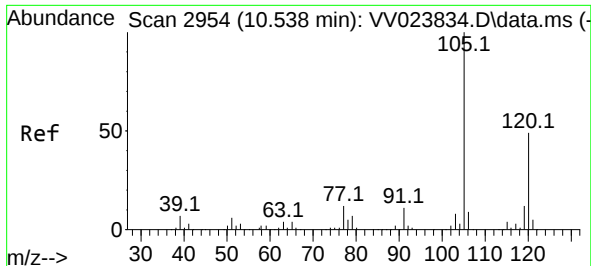
Tgt Ion:105 Resp: 217509
Ion Ratio Lower Upper
105 100
120 27.6 21.4 32.0
77 15.5 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 4.986 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

Tgt Ion: 75 Resp: 23473
Ion Ratio Lower Upper
75 100
77 32.6 26.4 39.6
110 46.5 34.2 51.2





#62

1,3,5-Trimethylbenzene

Concen: 5.537 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

Instrument :

MSVOA_V

ClientSampleId :

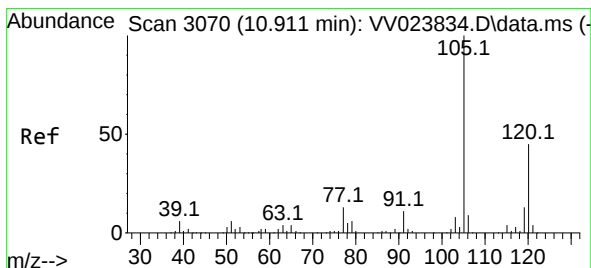
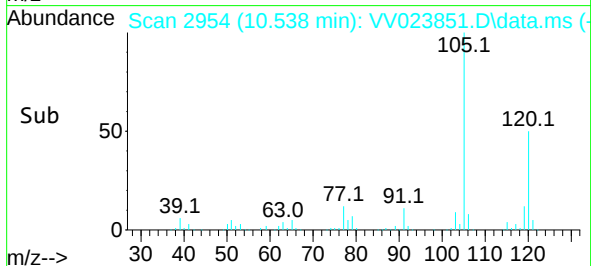
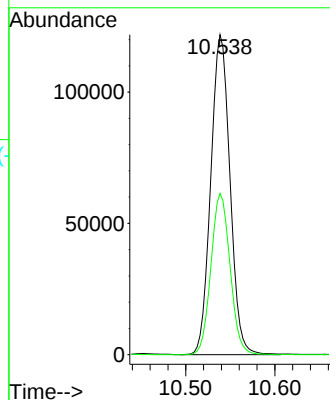
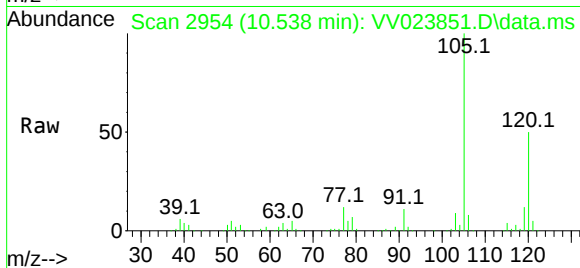
VSTD005384

Tgt Ion:105 Resp: 182626

Ion Ratio Lower Upper

105 100

120 50.1 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 5.646 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV023851.D

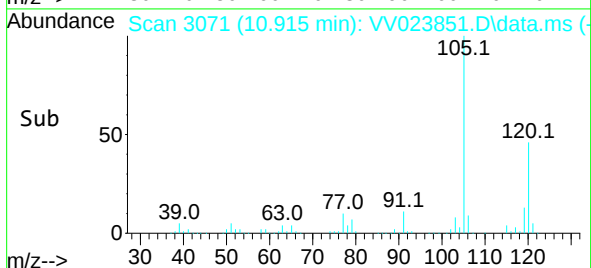
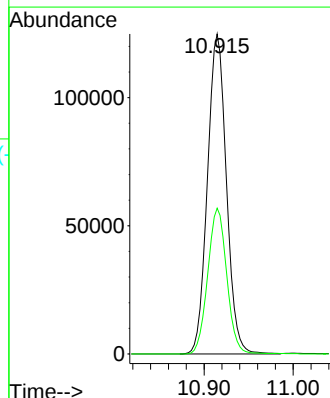
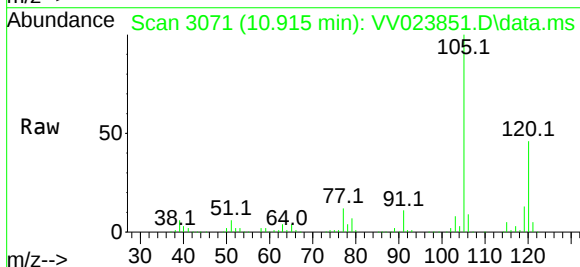
Acq: 08 Dec 2021 20:54

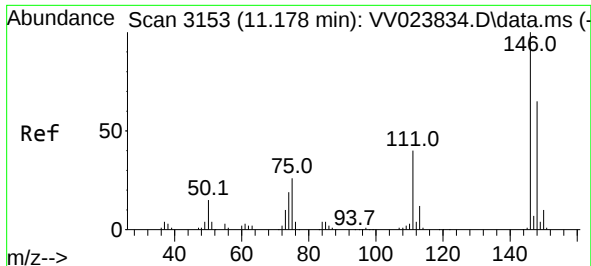
Tgt Ion:105 Resp: 184153

Ion Ratio Lower Upper

105 100

120 45.7 36.7 55.1

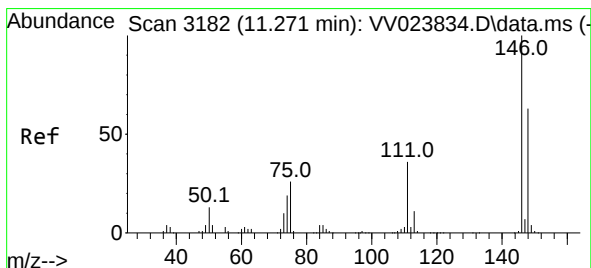
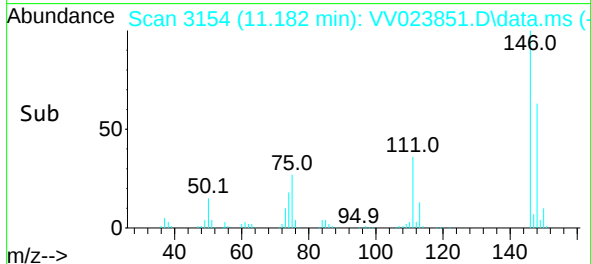
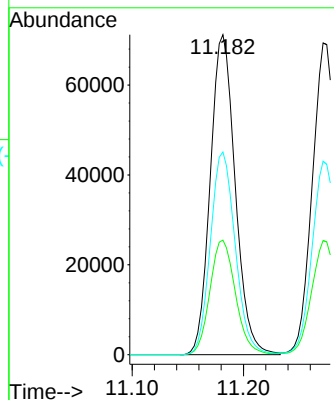
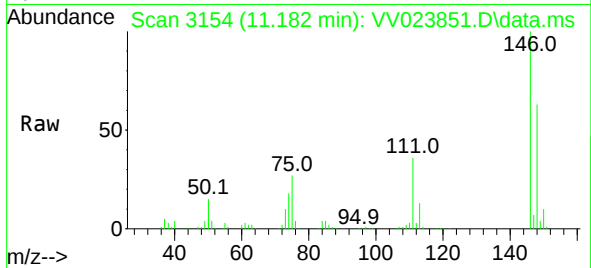




#64
1,3-Dichlorobenzene
Concen: 5.463 ug/L
RT: 11.182 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

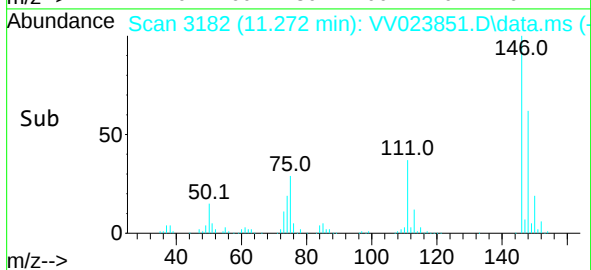
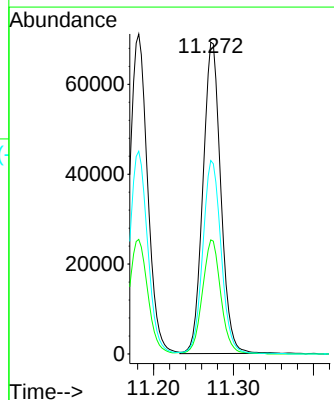
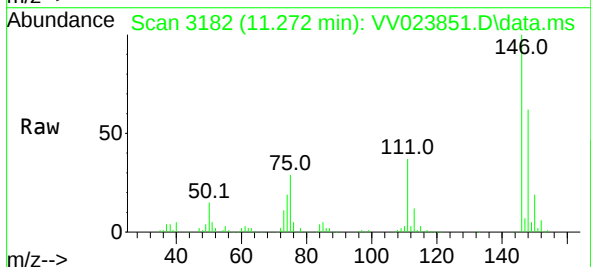
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

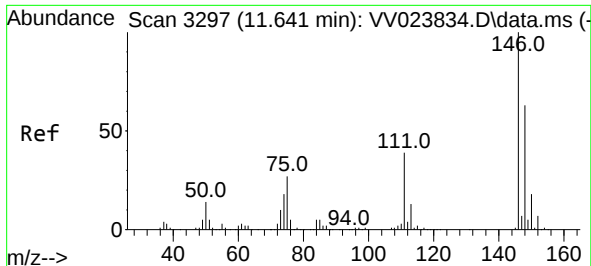
Tgt Ion:146 Resp: 110703
Ion Ratio Lower Upper
146 100
111 35.8 26.3 48.9
148 63.3 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 5.300 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

Tgt Ion:146 Resp: 107945
Ion Ratio Lower Upper
146 100
111 36.6 25.6 47.6
148 62.0 44.8 83.2

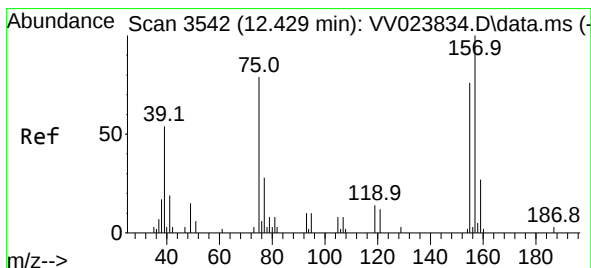
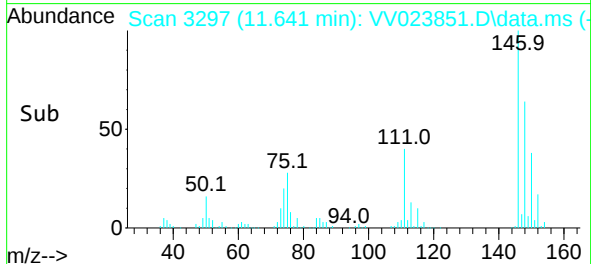
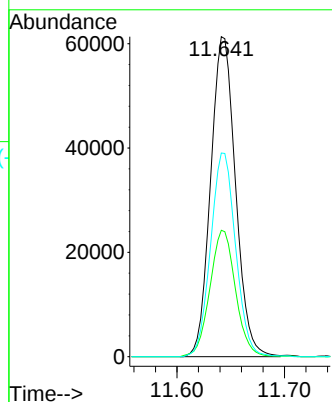
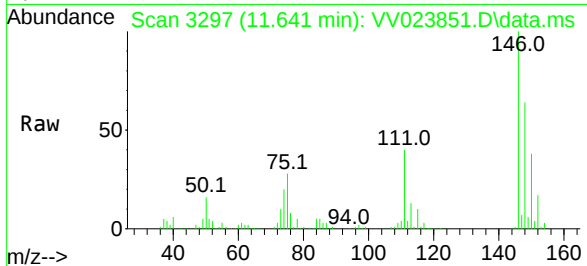




#67
1,2-Dichlorobenzene
Concen: 5.318 ug/L
RT: 11.641 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

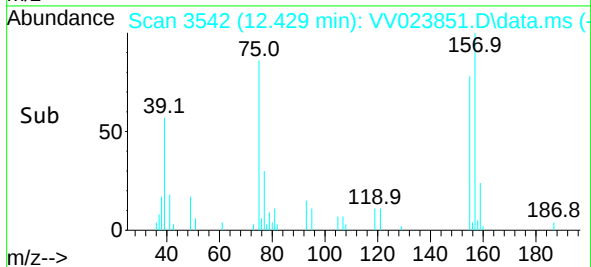
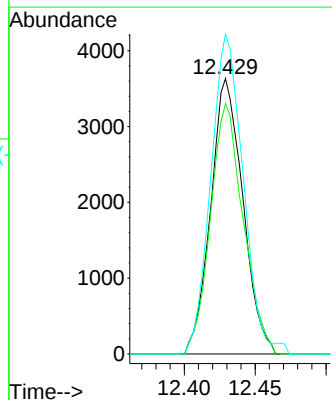
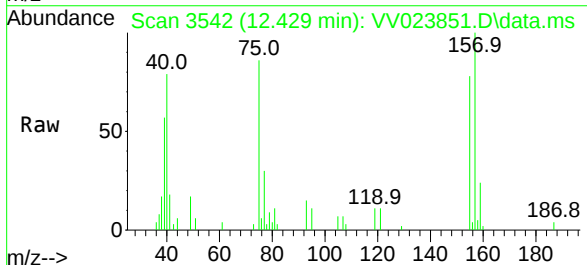
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

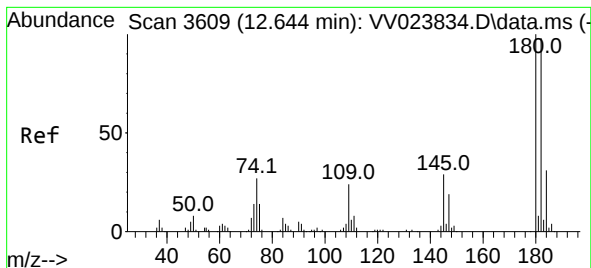
Tgt Ion:146 Resp: 98627
Ion Ratio Lower Upper
146 100
111 39.5 31.9 47.9
148 63.6 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 6.128 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. 0.003 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

Tgt Ion: 75 Resp: 5729
Ion Ratio Lower Upper
75 100
155 90.8 71.7 107.5
157 116.2 103.3 154.9





#69

1,3,5-Trichlorobenzene

Concen: 5.430 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. 0.000 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD005384

Tgt Ion:180 Resp: 85915

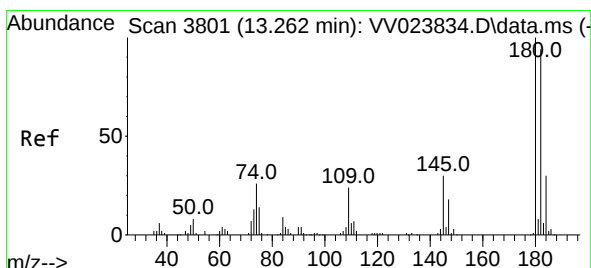
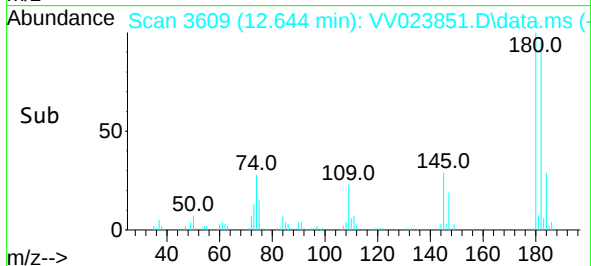
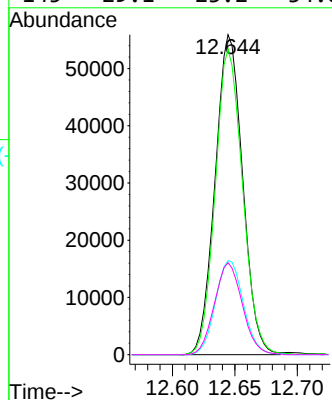
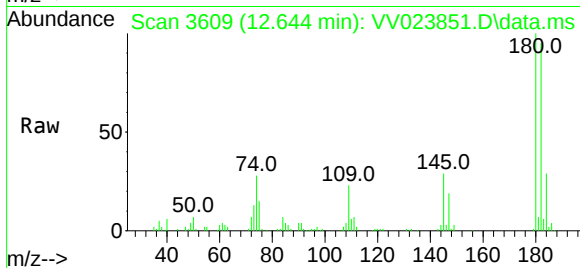
Ion Ratio Lower Upper

180 100

182 94.7 76.4 114.6

184 29.8 24.2 36.4

145 29.1 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 5.473 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.000 min

Lab File: VV023851.D

Acq: 08 Dec 2021 20:54

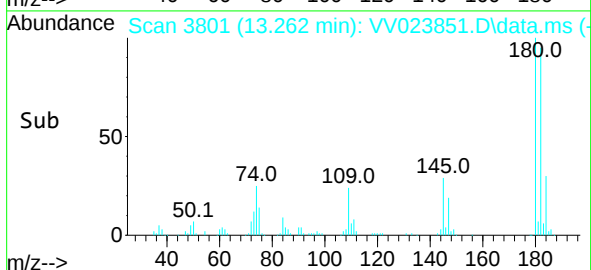
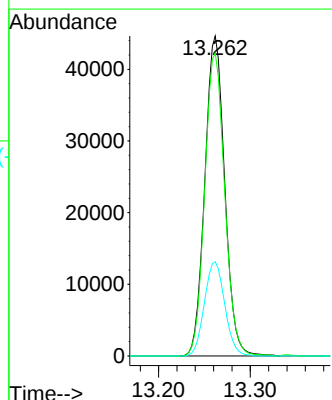
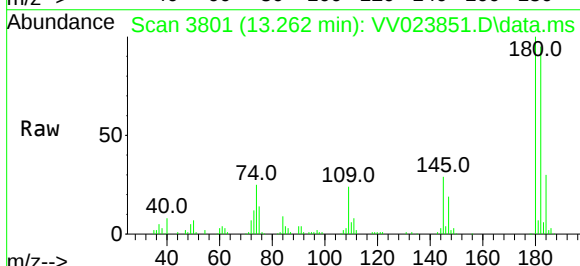
Tgt Ion:180 Resp: 67186

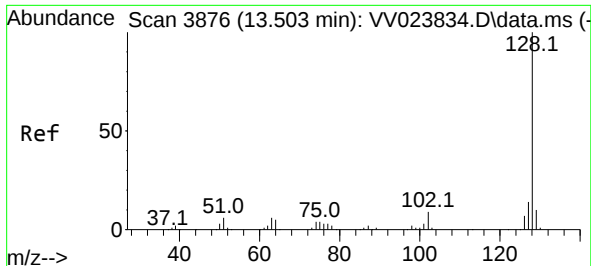
Ion Ratio Lower Upper

180 100

182 95.2 74.4 111.6

145 30.1 23.3 34.9

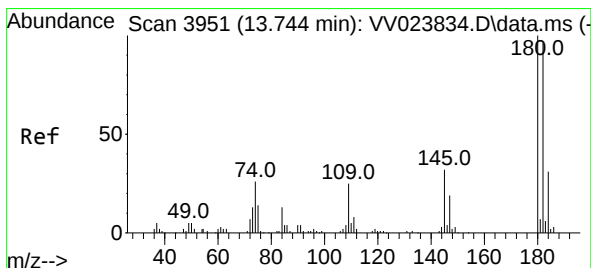
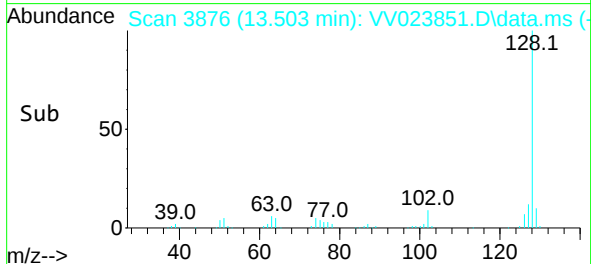
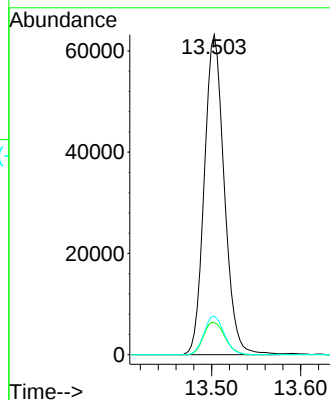
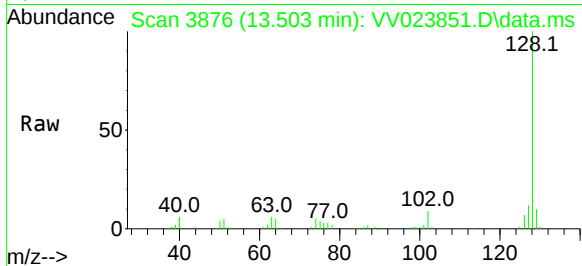




#71
Naphthalene
Concen: 5.953 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.000 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

Tgt Ion:128 Resp: 98352
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 12.2 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.704 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.000 min
Lab File: VV023851.D
Acq: 08 Dec 2021 20:54

Tgt Ion:180 Resp: 60680
Ion Ratio Lower Upper
180 100
182 94.3 76.8 115.2
145 31.4 25.8 38.6

