

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062322\
 Data File : VW026536.D
 Acq On : 24 Jun 2022 00:18
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005334

Quant Time: Jun 24 00:52:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 24 00:51:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	231572	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	213823	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	110934	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.317	65	85497	4.591	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.800%
7) Chloroethane-d5	1.580	69	69485	4.644	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.800%
11) 1,1-Dichloroethene-d2	2.121	63	154371	4.665	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.200%
20) 2-Butanone-d5	3.924	46	115946	62.622	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.240%
24) Chloroform-d	4.358	84	151059	4.962	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
26) 1,2-Dichloroethane-d4	5.043	65	58982	5.030	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.600%
32) Benzene-d6	5.056	84	297902	4.850	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.075	67	85648	5.071	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.400%
41) Toluene-d8	7.316	98	279997	5.070	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.400%
43) trans-1,3-Dichloroprop...	7.625	79	20514	4.699	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.000%
46) 2-Hexanone-d5	8.091	63	96563	58.072	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.140%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	58313	5.278	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	88014	4.794	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.143	85	81783	4.638	ug/L	98
3) Chloromethane	1.252	50	87948	4.561	ug/L	98
5) Vinyl chloride	1.323	62	95939	4.672	ug/L	84
6) Bromomethane	1.532	94	46351	4.170	ug/L	98
8) Chloroethane	1.596	64	64778	4.639	ug/L	96
9) Trichlorofluoromethane	1.764	101	134057	4.681	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.127	101	77783	4.584	ug/L	99
12) 1,1-Dichloroethene	2.130	96	75291	4.814	ug/L	97
13) Acetone	2.217	43	65922	56.123	ug/L	90
14) Carbon disulfide	2.304	76	194644	4.717	ug/L	99
15) Methyl Acetate	2.461	43	16518	4.877	ug/L	98
16) Methylene chloride	2.519	84	77560	4.671	ug/L	97
17) Methyl tert-butyl Ether	2.783	73	135495	5.315	ug/L	100
18) trans-1,2-Dichloroethene	2.770	96	76242	4.778	ug/L	97
19) 1,1-Dichloroethane	3.201	63	139038	4.852	ug/L	97
21) 2-Butanone	4.008	43	109032	61.703	ug/L	94
22) cis-1,2-Dichloroethene	3.924	96	79252	5.002	ug/L	98
23) Bromochloromethane	4.262	128	33467	5.128	ug/L	91
25) Chloroform	4.384	83	142861	4.661	ug/L	98

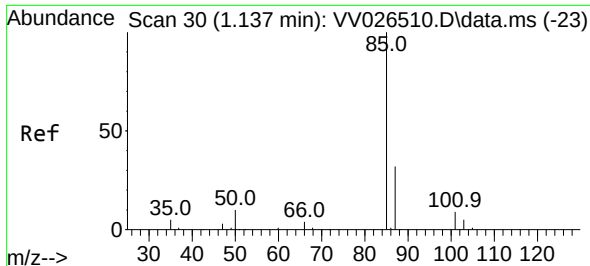
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 Data File : VW026536.D
 Acq On : 24 Jun 2022 00:18
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD005334

Quant Time: Jun 24 00:52:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 24 00:51:15 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.140	62	69485	5.093	ug/L	99
29) 1,1,1-Trichloroethane	4.616	97	125374	4.765	ug/L	99
30) Cyclohexane	4.686	56	103289	4.958	ug/L	98
31) Carbon tetrachloride	4.837	117	101811	4.613	ug/L	100
33) Benzene	5.108	78	311362	4.987	ug/L	100
34) Trichloroethene	5.918	95	78618	4.790	ug/L	96
35) Methylcyclohexane	6.136	83	114165	4.702	ug/L	99
37) 1,2-Dichloropropane	6.178	63	75195	4.997	ug/L	99
38) Bromodichloromethane	6.516	83	86753	4.884	ug/L	98
39) cis-1,3-Dichloropropene	7.030	75	69775	4.613	ug/L	100
40) 4-Methyl-2-pentanone	7.230	43	294476	57.937	ug/L	97
42) Toluene	7.390	91	333337	5.172	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	52005	4.623	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	50144	5.284	ug/L	98
47) Tetrachloroethene	7.976	164	62200	4.760	ug/L	99
48) 2-Hexanone	8.143	43	202926	57.354	ug/L	95
49) Dibromochloromethane	8.246	129	48756	5.074	ug/L	97
50) 1,2-Dibromoethane	8.355	107	44382	5.260	ug/L	96
51) Chlorobenzene	8.882	112	211245	5.004	ug/L	99
52) Ethylbenzene	9.011	91	338895	5.084	ug/L	100
53) m,p-Xylene	9.140	106	133564	5.136	ug/L	99
54) o-Xylene	9.545	106	126076	5.165	ug/L	98
55) Styrene	9.561	104	216042	5.344	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	56857	5.366	ug/L	100
59) Bromoform	9.731	173	19093	4.671	ug/L	98
60) Isopropylbenzene	9.931	105	339175	4.958	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	37320	5.196	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	263818	4.878	ug/L	100
63) 1,2,4-Trimethylbenzene	10.914	105	264720	4.964	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	161601	4.856	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	160813	4.867	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	140433	4.960	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	6317	4.903	ug/L	92
69) 1,3,5-Trichlorobenzene	12.644	180	110718	4.627	ug/L	100
70) 1,2,4-trichlorobenzene	13.258	180	83412	4.937	ug/L	100
71) Naphthalene	13.499	128	112139	5.087	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	70632	5.108	ug/L	99

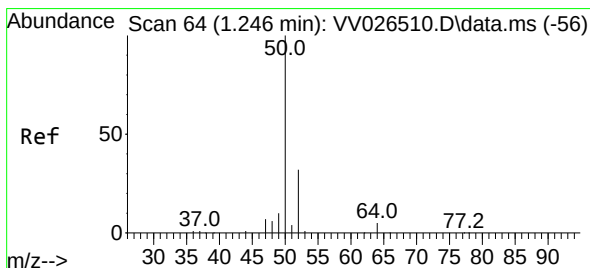
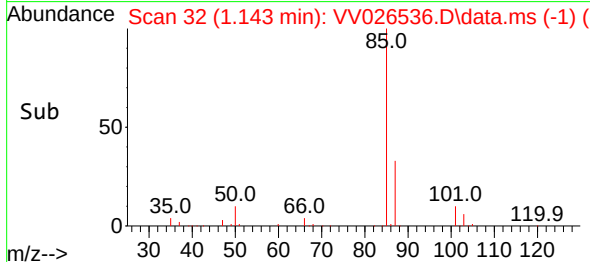
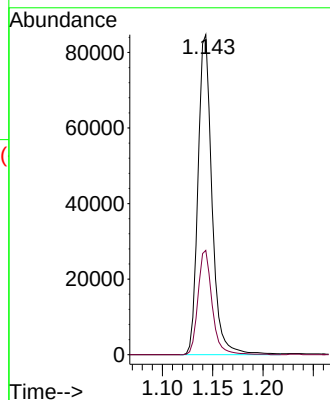
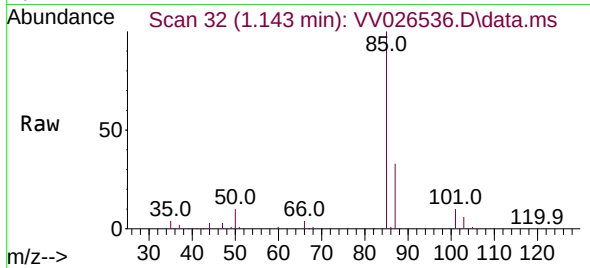
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.638 ug/L
 RT: 1.143 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VV026536.D
 Acq: 24 Jun 2022 00:18

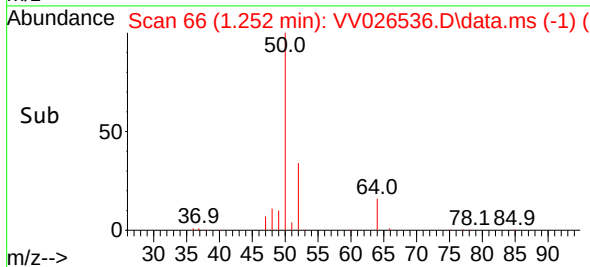
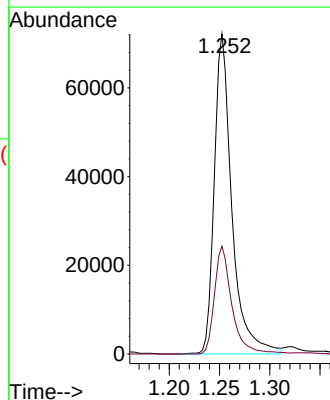
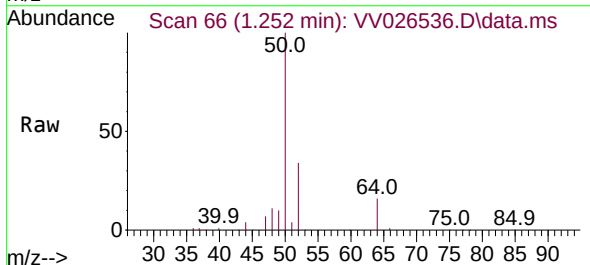
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005334

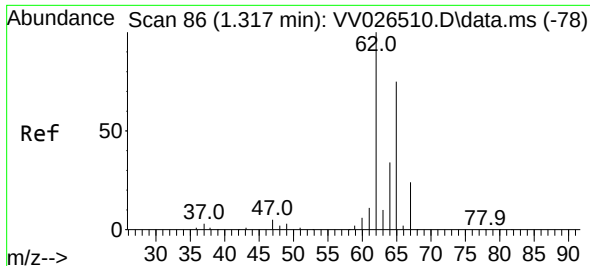
Tgt Ion: 85 Resp: 81783
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.6 38.4



#3
 Chloromethane
 Concen: 4.561 ug/L
 RT: 1.252 min Scan# 66
 Delta R.T. 0.006 min
 Lab File: VV026536.D
 Acq: 24 Jun 2022 00:18

Tgt Ion: 50 Resp: 87948
 Ion Ratio Lower Upper
 50 100
 52 33.7 23.0 42.6

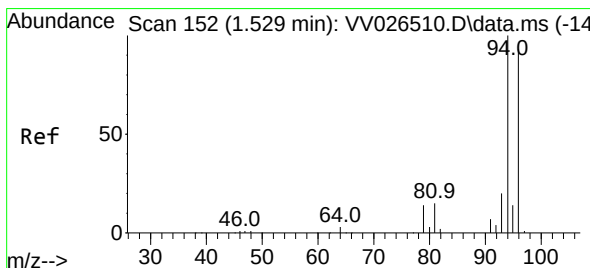
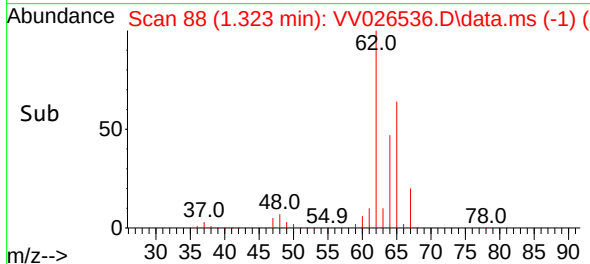
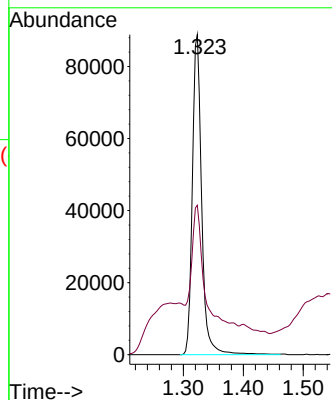
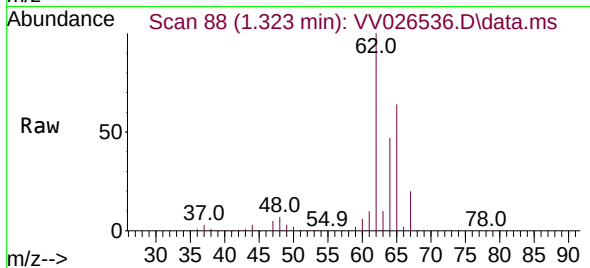




#5
 Vinyl chloride
 Concen: 4.672 ug/L
 RT: 1.323 min Scan# 86
 Delta R.T. 0.006 min
 Lab File: VV026536.D
 Acq: 24 Jun 2022 00:18

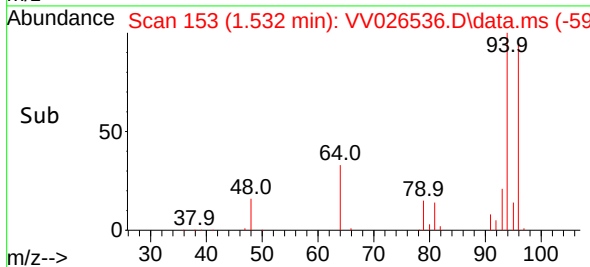
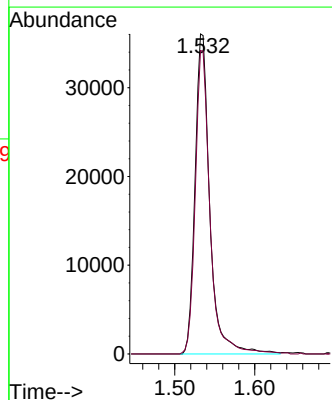
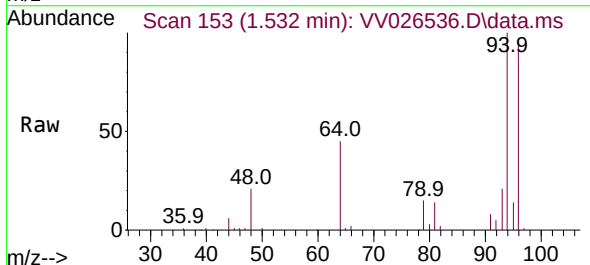
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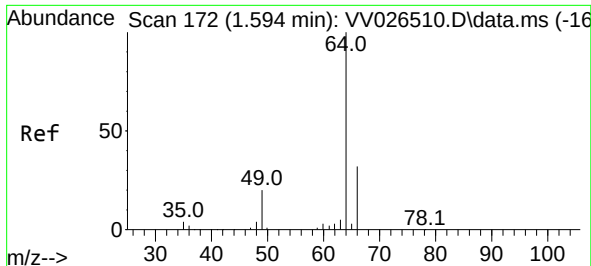
Tgt Ion: 62 Resp: 95939
 Ion Ratio Lower Upper
 62 100
 64 46.7 26.2 48.6



#6
 Bromomethane
 Concen: 4.170 ug/L
 RT: 1.532 min Scan# 153
 Delta R.T. 0.003 min
 Lab File: VV026536.D
 Acq: 24 Jun 2022 00:18

Tgt Ion: 94 Resp: 46351
 Ion Ratio Lower Upper
 94 100
 96 94.8 68.0 126.2

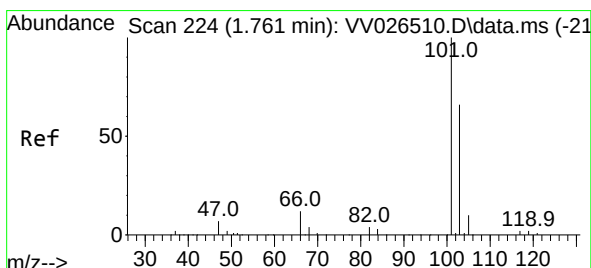
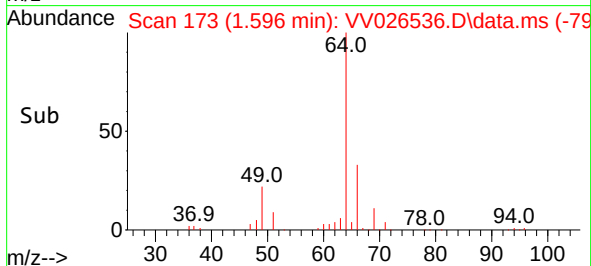
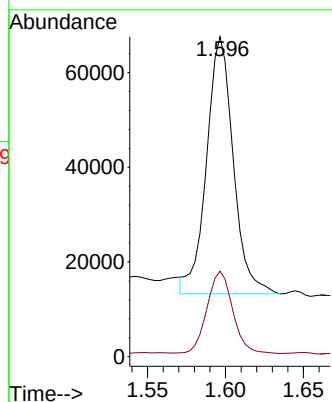
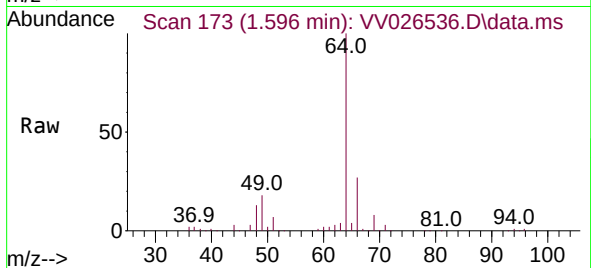




#8
Chloroethane
Concen: 4.639 ug/L
RT: 1.596 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

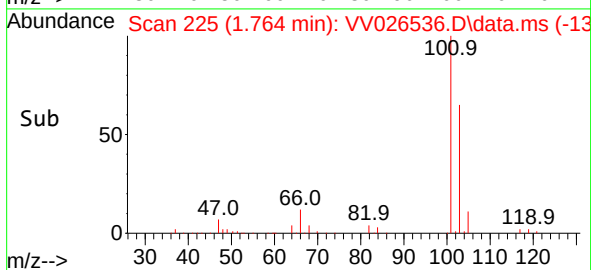
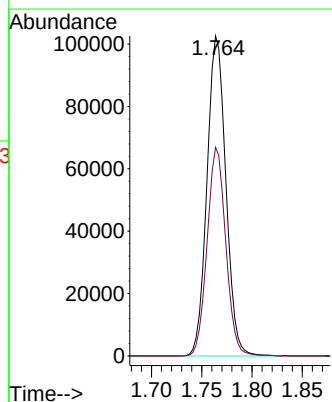
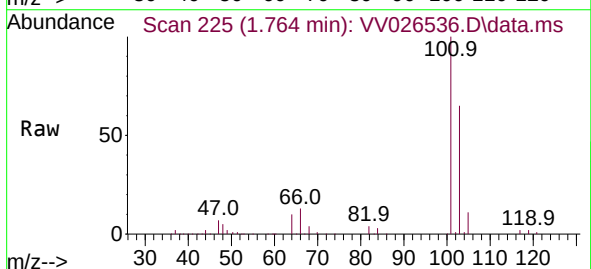
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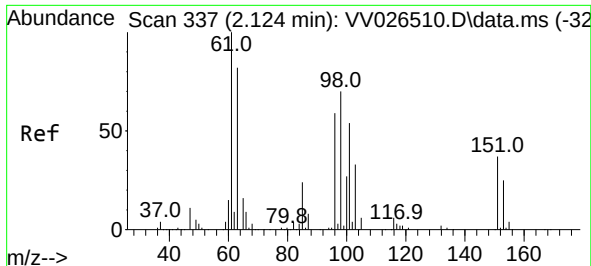
Tgt Ion: 64 Resp: 64778
Ion Ratio Lower Upper
64 100
66 26.7 20.0 37.2



#9
Trichlorofluoromethane
Concen: 4.681 ug/L
RT: 1.764 min Scan# 225
Delta R.T. 0.003 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

Tgt Ion:101 Resp: 134057
Ion Ratio Lower Upper
101 100
103 64.4 52.2 78.4

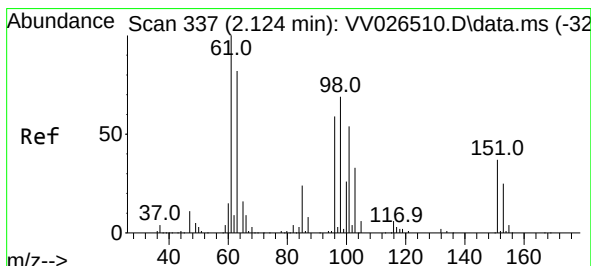
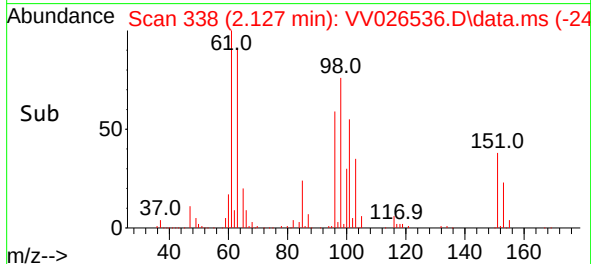
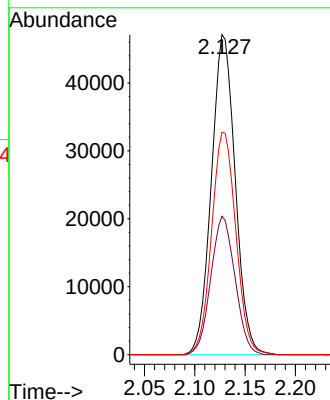
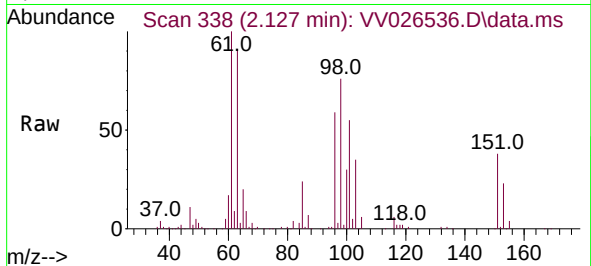




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.584 ug/L
 RT: 2.127 min Scan# 338
 Delta R.T. 0.003 min
 Lab File: VV026536.D
 Acq: 24 Jun 2022 00:18

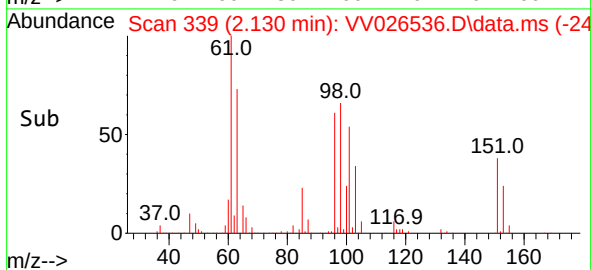
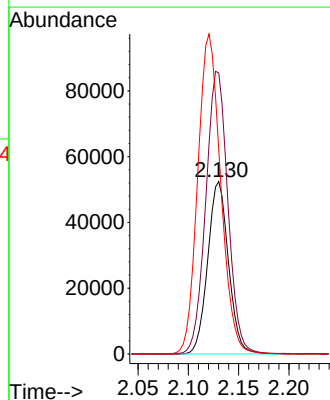
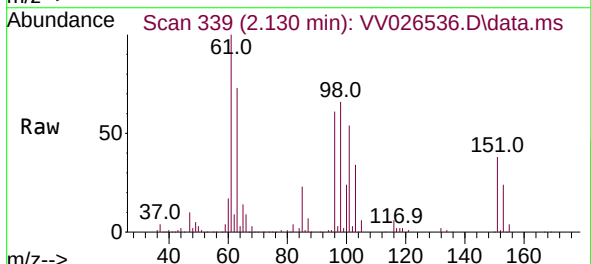
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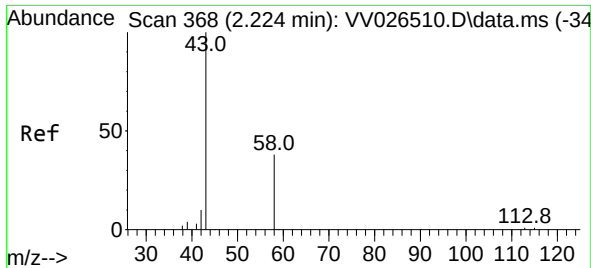
Tgt Ion:101 Resp: 77783
 Ion Ratio Lower Upper
 101 100
 85 43.8 34.2 51.4
 151 70.7 56.8 85.2



#12
 1,1-Dichloroethene
 Concen: 4.814 ug/L
 RT: 2.130 min Scan# 339
 Delta R.T. 0.006 min
 Lab File: VV026536.D
 Acq: 24 Jun 2022 00:18

Tgt Ion: 96 Resp: 75291
 Ion Ratio Lower Upper
 96 100
 61 162.8 115.4 214.4
 63 118.1 87.4 162.2

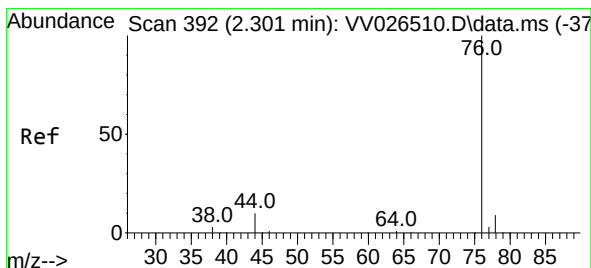
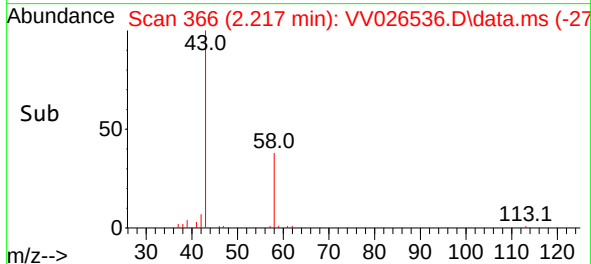
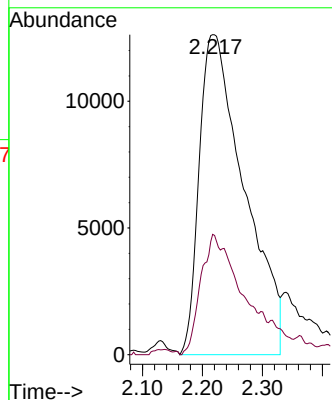
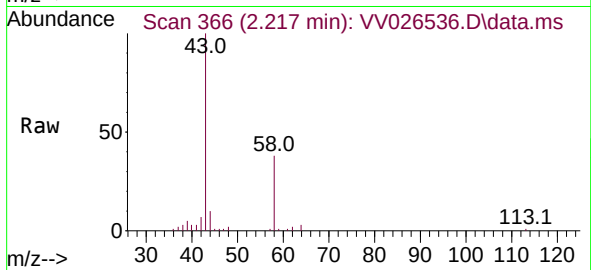




#13
Acetone
Concen: 56.123 ug/L
RT: 2.217 min Scan# 30
Delta R.T. -0.007 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

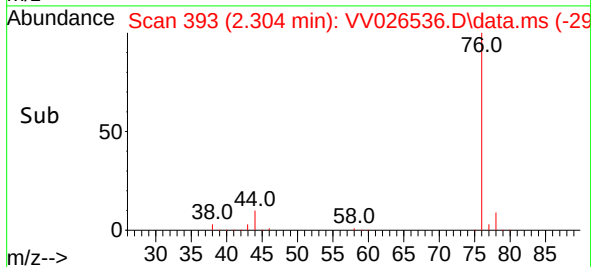
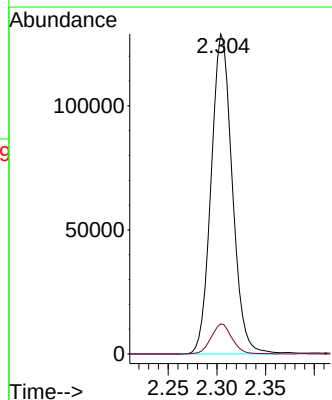
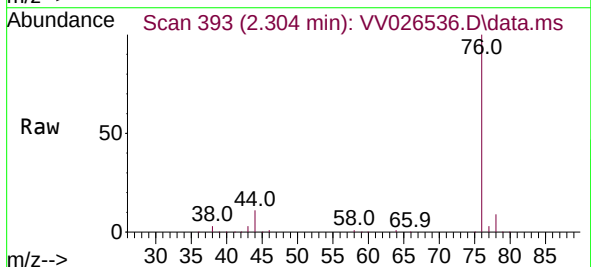
Instrument :
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VSTD005334

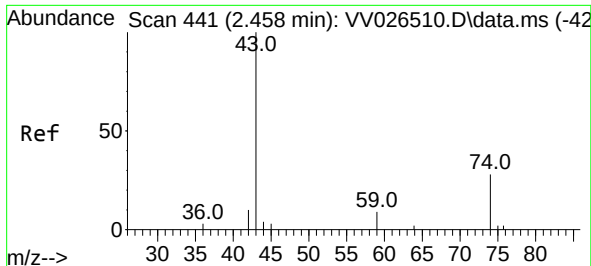
Tgt Ion: 43 Resp: 65922
Ion Ratio Lower Upper
43 100
58 31.7 0.0 75.0



#14
Carbon disulfide
Concen: 4.717 ug/L
RT: 2.304 min Scan# 393
Delta R.T. 0.003 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

Tgt Ion: 76 Resp: 194644
Ion Ratio Lower Upper
76 100
78 9.4 7.8 11.6

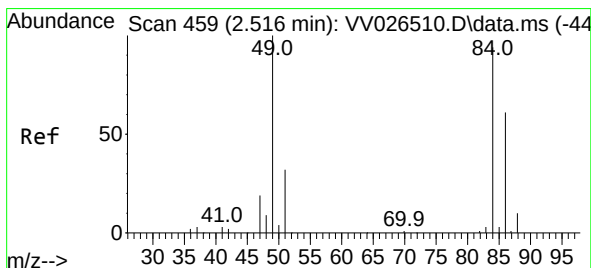
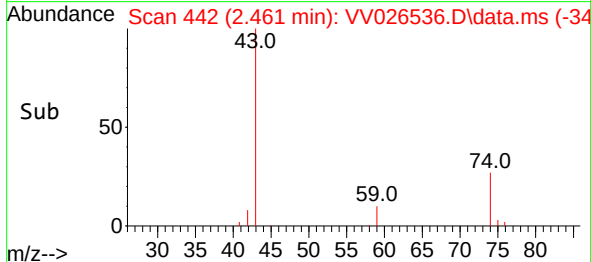
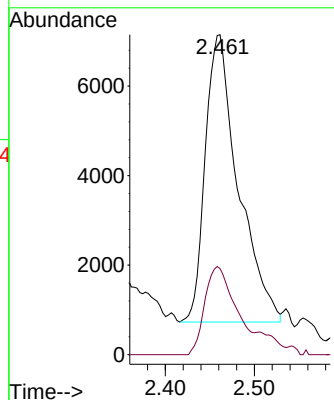
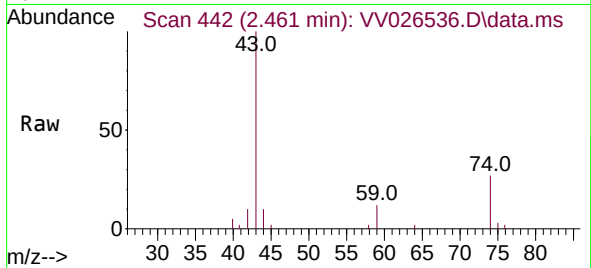




#15
Methyl Acetate
Concen: 4.877 ug/L
RT: 2.461 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

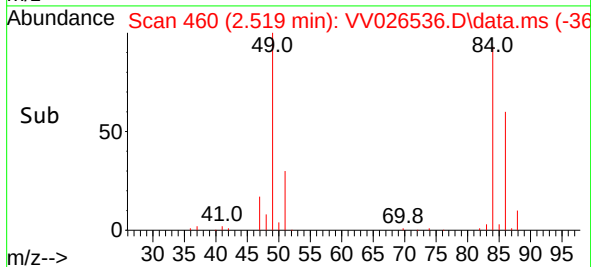
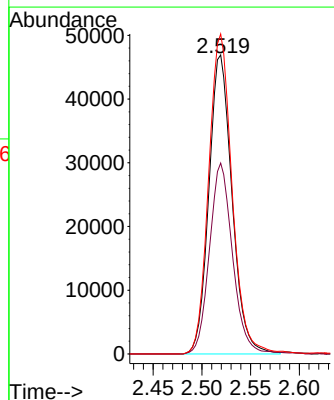
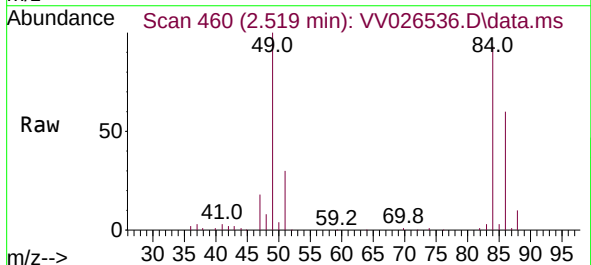
Instrument :
MSVOA_V
ClientSampleId :
VSTD005334

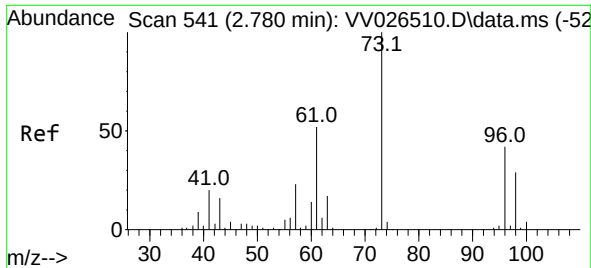
Tgt Ion: 43 Resp: 16518
Ion Ratio Lower Upper
43 100
74 28.8 22.1 33.1



#16
Methylene chloride
Concen: 4.671 ug/L
RT: 2.519 min Scan# 460
Delta R.T. 0.003 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

Tgt Ion: 84 Resp: 77560
Ion Ratio Lower Upper
84 100
86 63.8 46.0 85.4
49 107.0 77.7 144.3

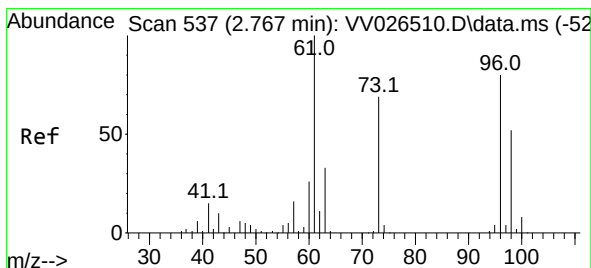
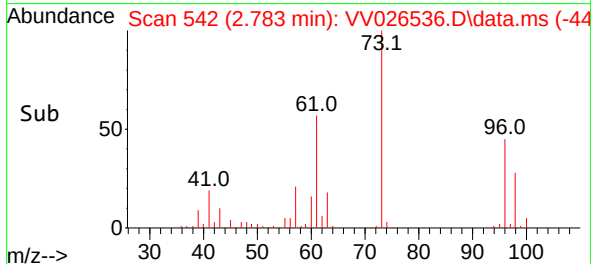
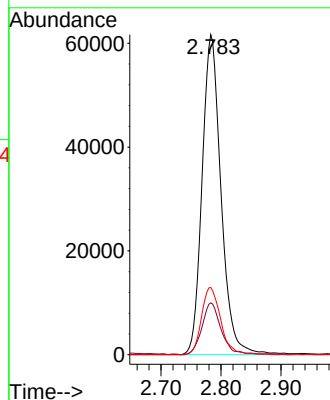
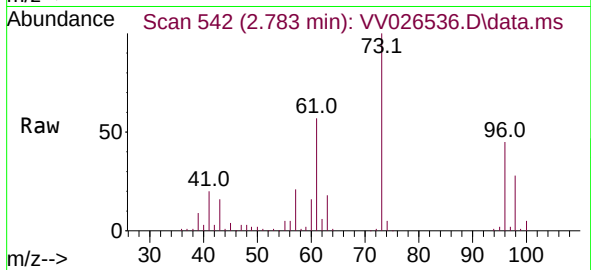




#17
Methyl tert-butyl Ether
Concen: 5.315 ug/L
RT: 2.783 min Scan# 541
Delta R.T. 0.003 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

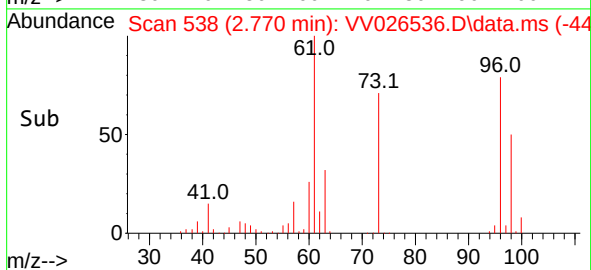
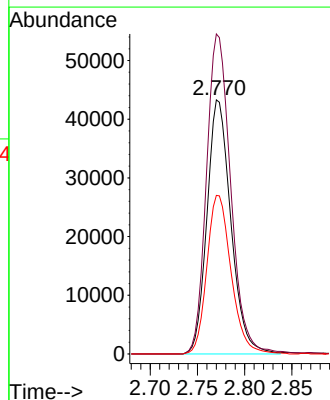
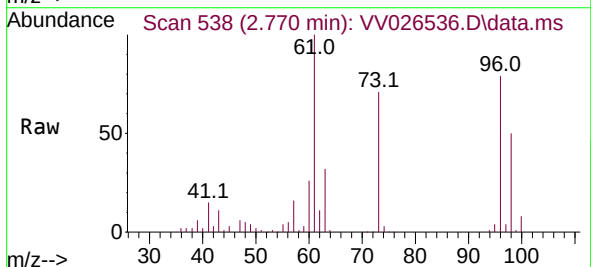
Instrument :
MSVOA_V
ClientSampleId :
VSTD005334

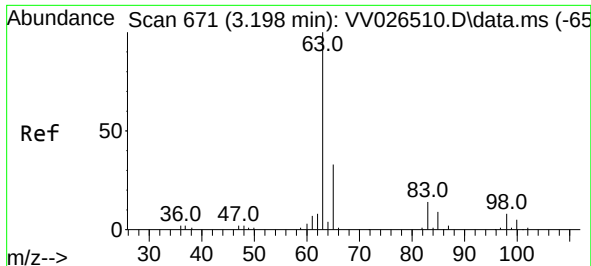
Tgt Ion: 73 Resp: 135495
Ion Ratio Lower Upper
73 100
43 16.5 13.3 19.9
57 21.3 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 4.778 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

Tgt Ion: 96 Resp: 76242
Ion Ratio Lower Upper
96 100
61 125.9 90.4 167.8
98 62.4 45.6 84.8





#19

1,1-Dichloroethane

Concen: 4.852 ug/L

RT: 3.201 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD005334

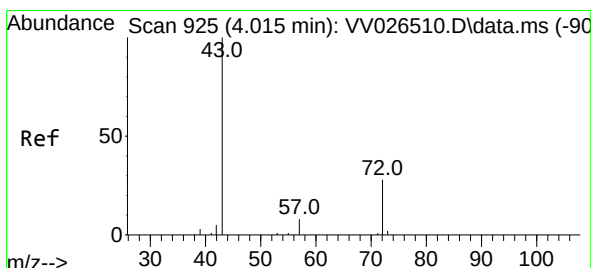
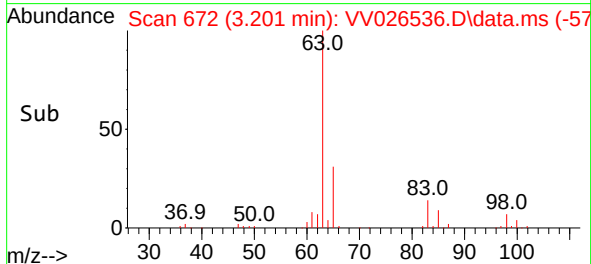
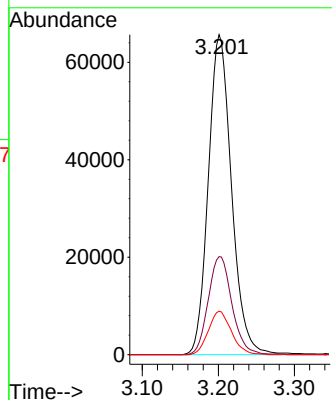
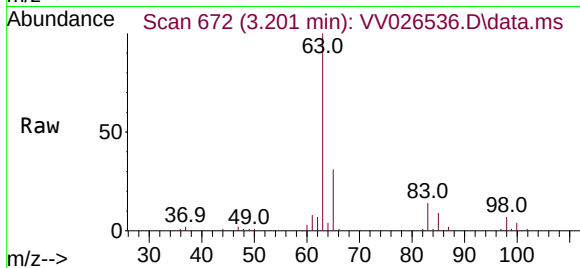
Tgt Ion: 63 Resp: 139038

Ion Ratio Lower Upper

63 100

65 30.7 23.0 42.6

83 13.6 10.2 19.0



#21

2-Butanone

Concen: 61.703 ug/L

RT: 4.008 min Scan# 923

Delta R.T. -0.007 min

Lab File: VV026536.D

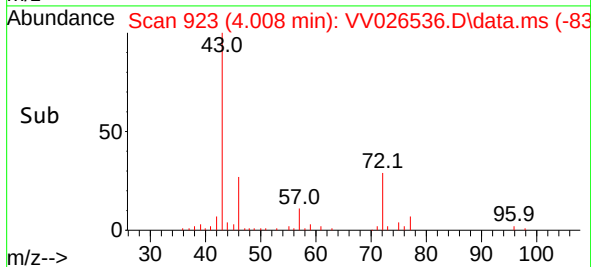
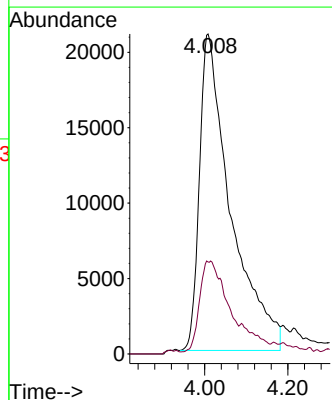
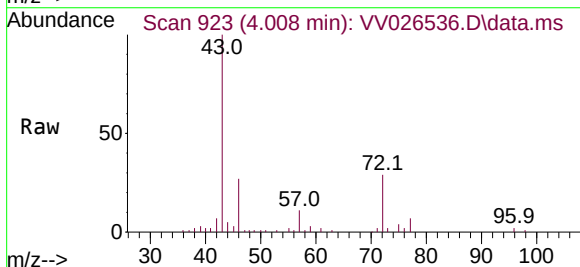
Acq: 24 Jun 2022 00:18

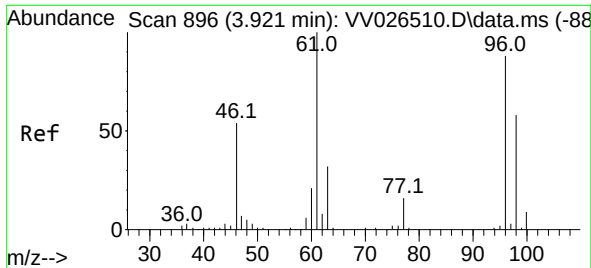
Tgt Ion: 43 Resp: 109032

Ion Ratio Lower Upper

43 100

72 24.1 13.5 40.5

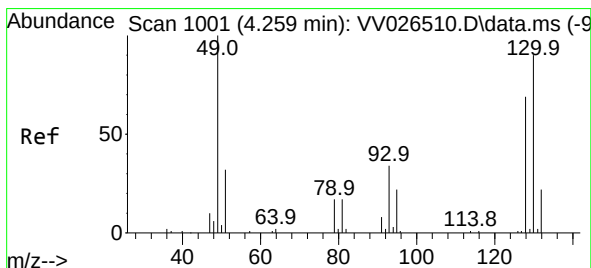
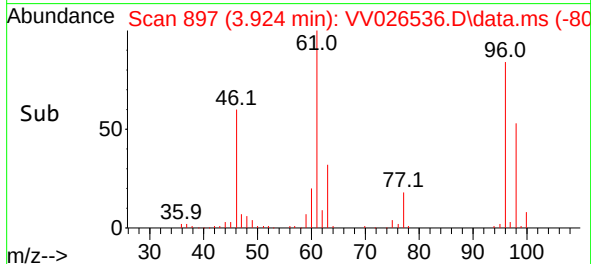
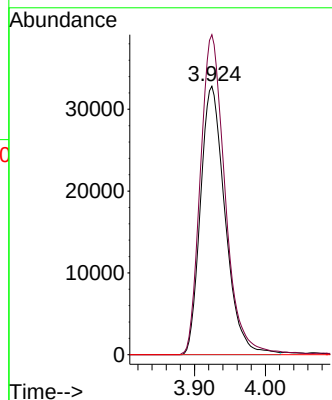
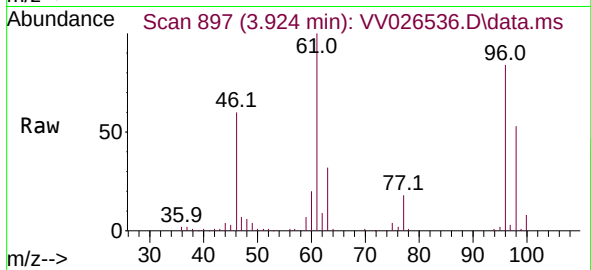




#22
 cis-1,2-Dichloroethene
 Concen: 5.002 ug/L
 RT: 3.924 min Scan# 896
 Delta R.T. 0.003 min
 Lab File: VV026536.D
 Acq: 24 Jun 2022 00:18

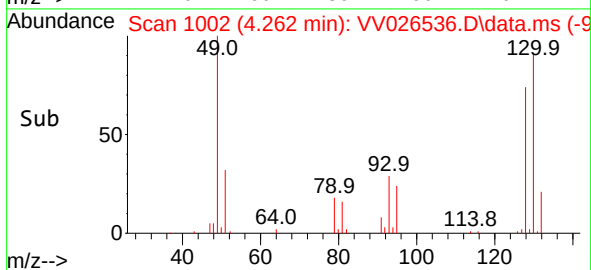
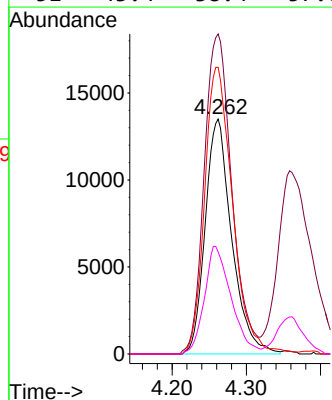
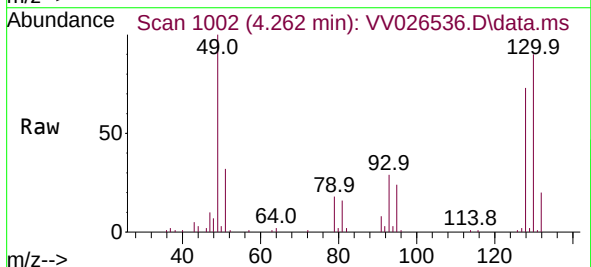
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005334

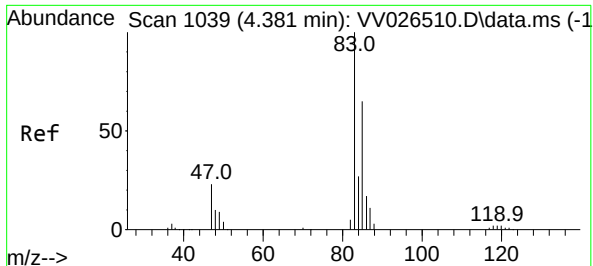
Tgt Ion: 96 Resp: 79252
 Ion Ratio Lower Upper
 96 100
 61 119.2 82.0 152.2
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.128 ug/L
 RT: 4.262 min Scan# 1002
 Delta R.T. 0.003 min
 Lab File: VV026536.D
 Acq: 24 Jun 2022 00:18

Tgt Ion: 128 Resp: 33467
 Ion Ratio Lower Upper
 128 100
 49 136.2 104.0 193.1
 130 122.0 93.4 173.6
 51 43.4 38.4 57.6





#25

Chloroform

Concen: 4.661 ug/L

RT: 4.384 min Scan# 1040

Delta R.T. 0.003 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

Instrument :

MSVOA_V

ClientSampleId :

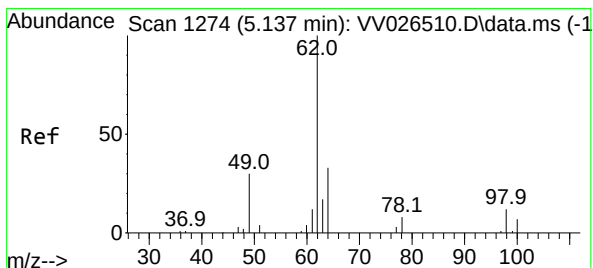
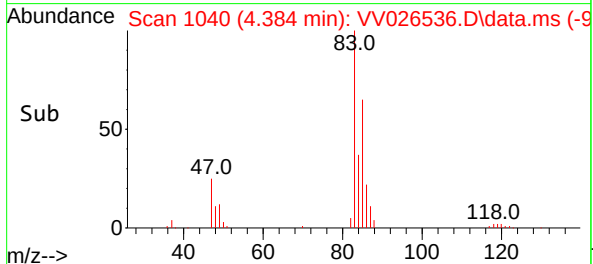
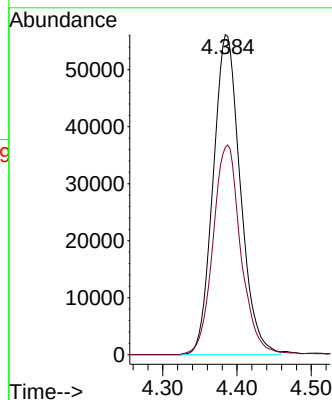
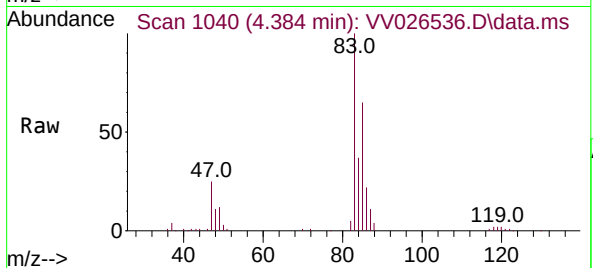
VSTD005334

Tgt Ion: 83 Resp: 142861

Ion Ratio Lower Upper

83 100

85 64.8 44.0 81.8



#27

1,2-Dichloroethane

Concen: 5.093 ug/L

RT: 5.140 min Scan# 1275

Delta R.T. 0.003 min

Lab File: VV026536.D

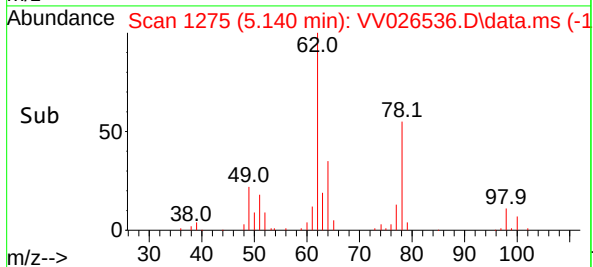
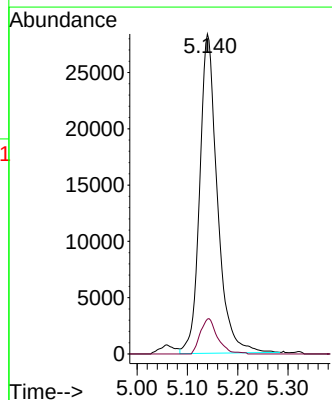
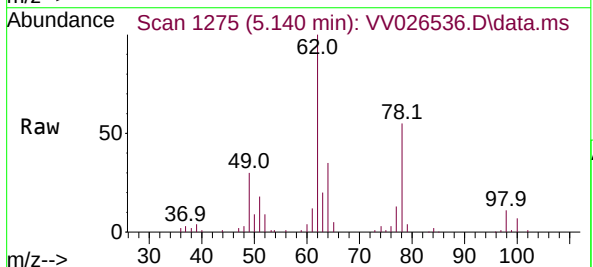
Acq: 24 Jun 2022 00:18

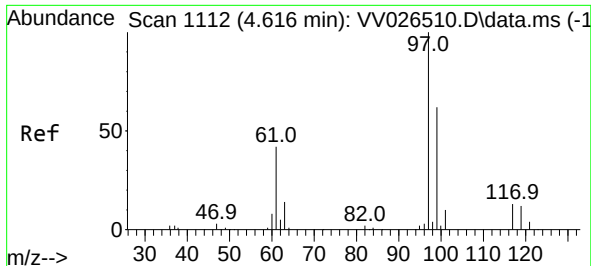
Tgt Ion: 62 Resp: 69485

Ion Ratio Lower Upper

62 100

98 10.9 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 4.765 ug/L

RT: 4.616 min Scan# 1112

Delta R.T. -0.000 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD005334

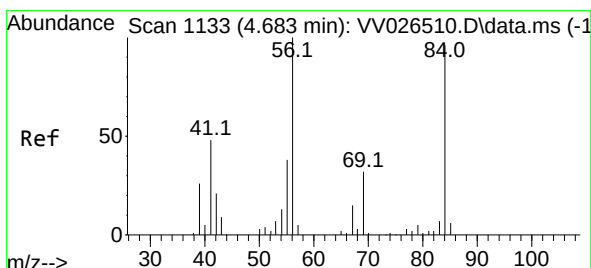
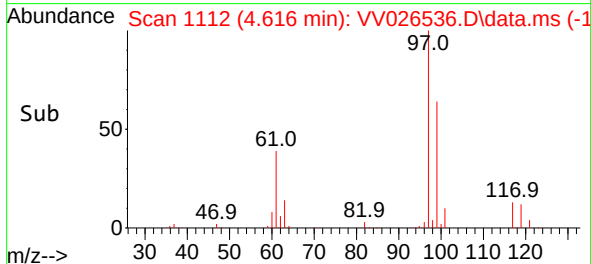
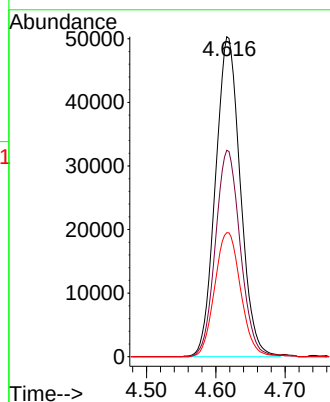
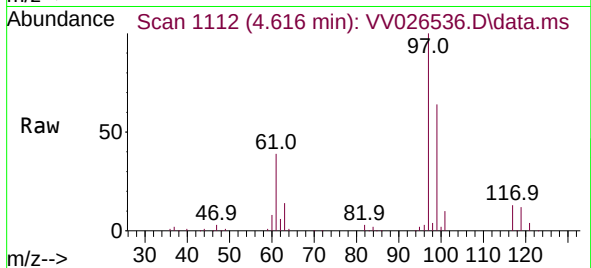
Tgt Ion: 97 Resp: 125374

Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.4

61 40.4 33.0 49.4



#30

Cyclohexane

Concen: 4.958 ug/L

RT: 4.686 min Scan# 1134

Delta R.T. 0.003 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

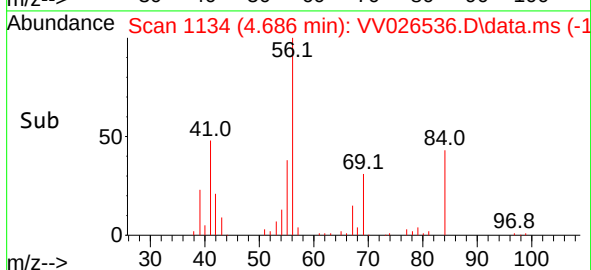
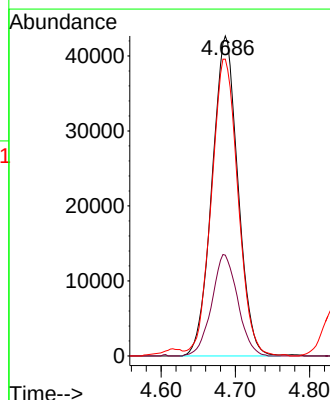
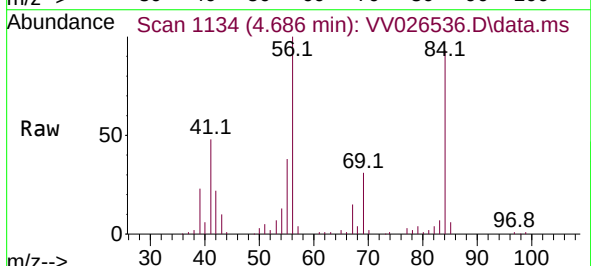
Tgt Ion: 56 Resp: 103289

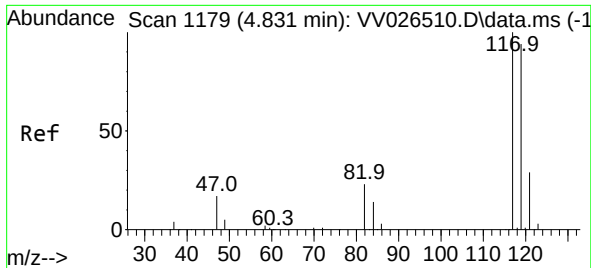
Ion Ratio Lower Upper

56 100

69 31.8 25.4 38.2

84 94.7 77.8 116.6

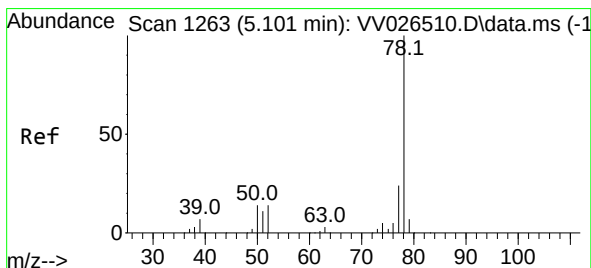
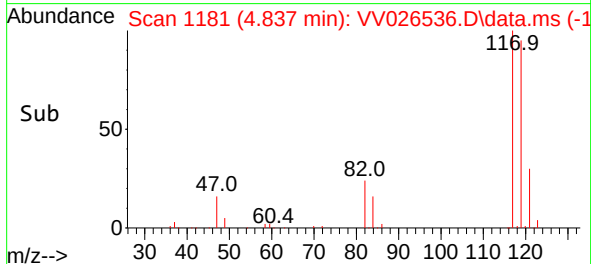
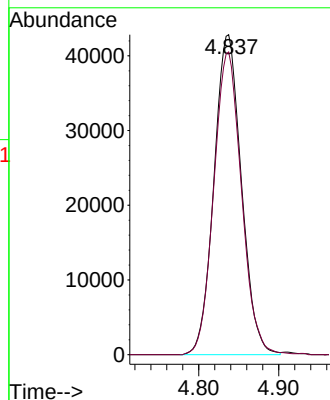
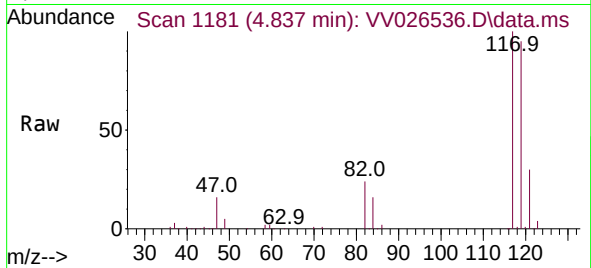




#31
Carbon tetrachloride
Concen: 4.613 ug/L
RT: 4.837 min Scan# 1179
Delta R.T. 0.006 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

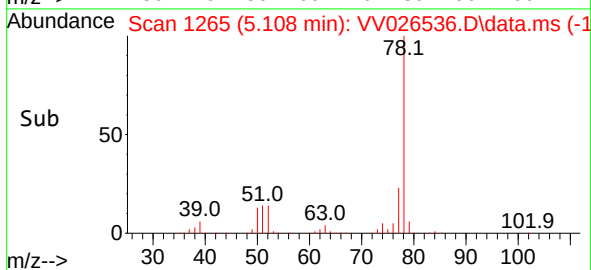
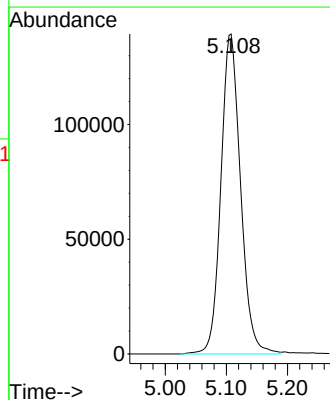
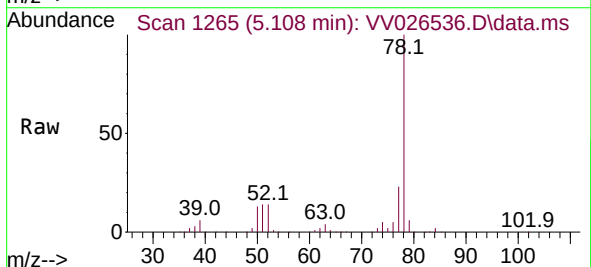
Instrument :
MSVOA_V
ClientSampleId :
VSTD005334

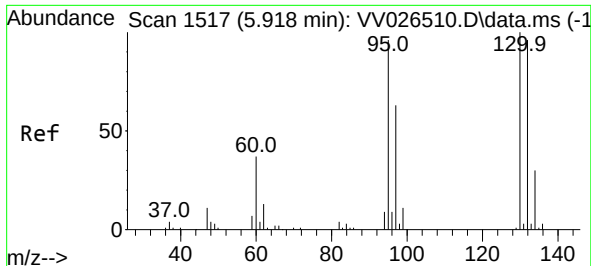
Tgt Ion:117 Resp: 101811
Ion Ratio Lower Upper
117 100
119 95.7 76.9 115.3



#33
Benzene
Concen: 4.987 ug/L
RT: 5.108 min Scan# 1265
Delta R.T. 0.006 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

Tgt Ion: 78 Resp: 311362

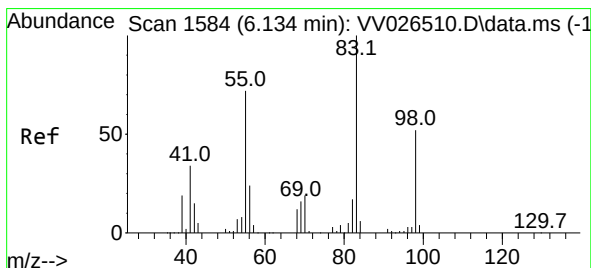
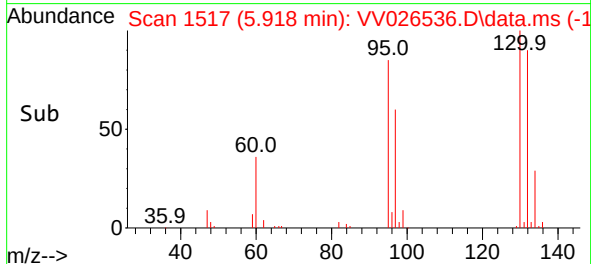
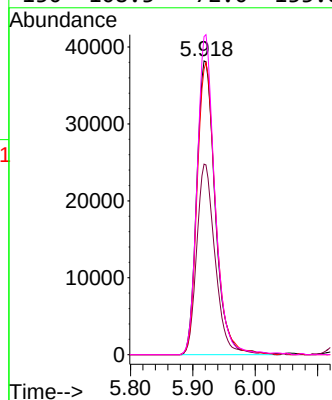
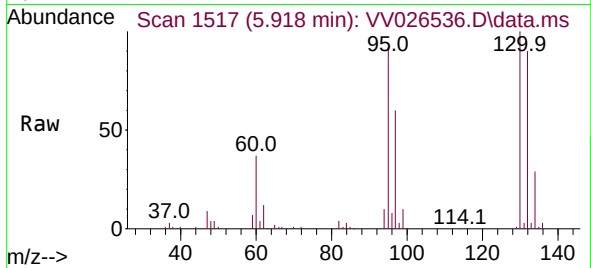




#34
Trichloroethene
Concen: 4.790 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. -0.000 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

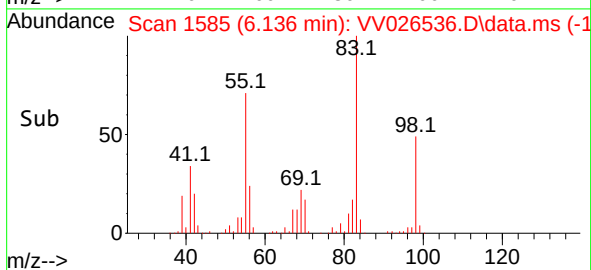
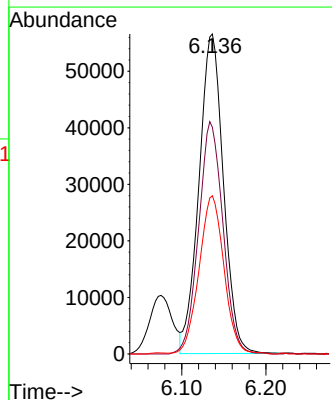
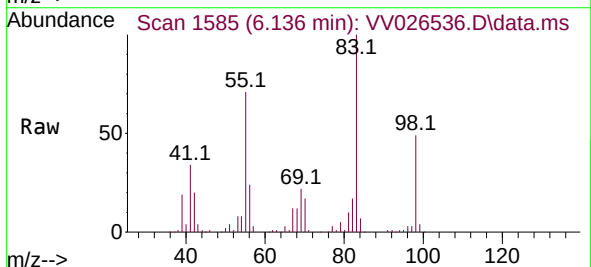
Instrument :
MSVOA_V
ClientSampleId :
VSTD005334

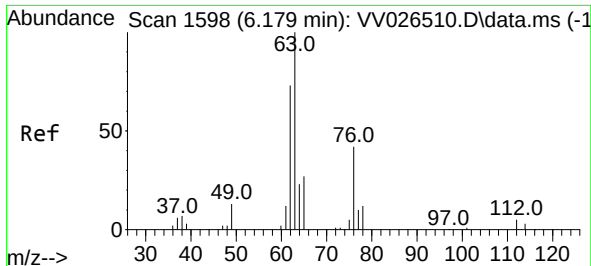
Tgt Ion: 95 Resp: 78618
Ion Ratio Lower Upper
95 100
97 64.9 46.8 87.0
132 97.2 69.9 129.7
130 108.3 72.0 133.8



#35
Methylcyclohexane
Concen: 4.702 ug/L
RT: 6.136 min Scan# 1585
Delta R.T. 0.003 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

Tgt Ion: 83 Resp: 114165
Ion Ratio Lower Upper
83 100
55 72.4 57.0 85.4
98 50.5 39.8 59.8





#37

1,2-Dichloropropane

Concen: 4.997 ug/L

RT: 6.178 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

Instrument :

MSVOA_V

ClientSampleId :

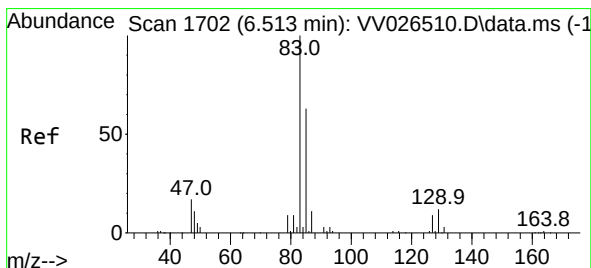
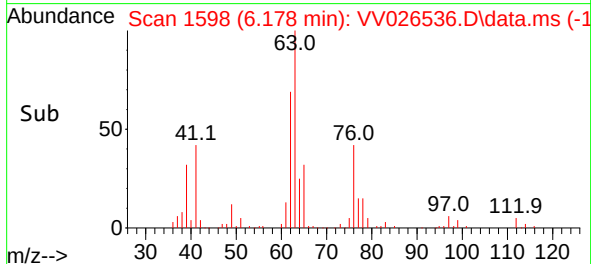
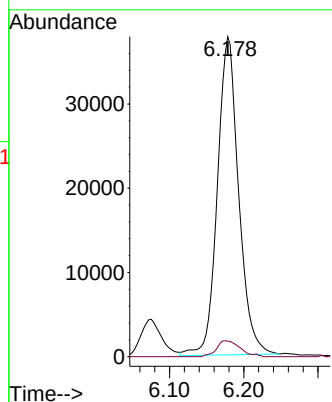
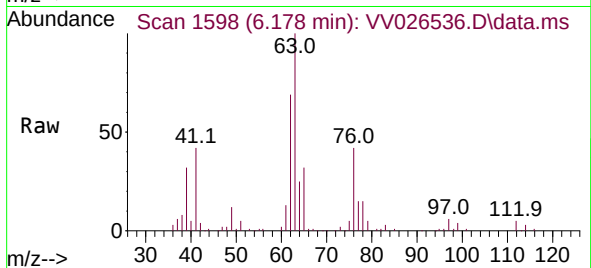
VSTD005334

Tgt Ion: 63 Resp: 75195

Ion Ratio Lower Upper

63 100

112 5.5 4.2 6.4



#38

Bromodichloromethane

Concen: 4.884 ug/L

RT: 6.516 min Scan# 1703

Delta R.T. 0.003 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

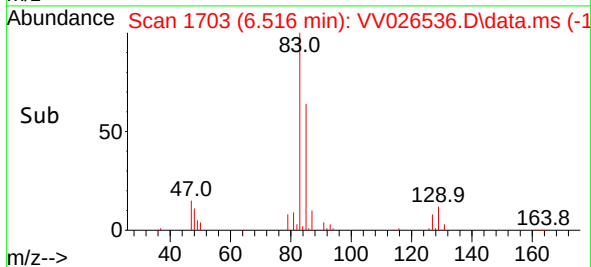
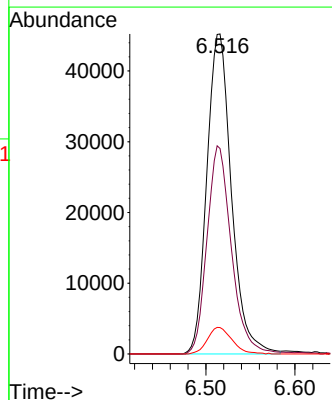
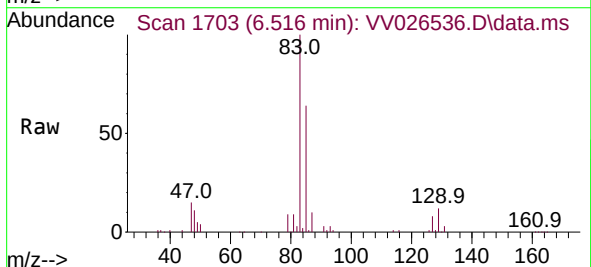
Tgt Ion: 83 Resp: 86753

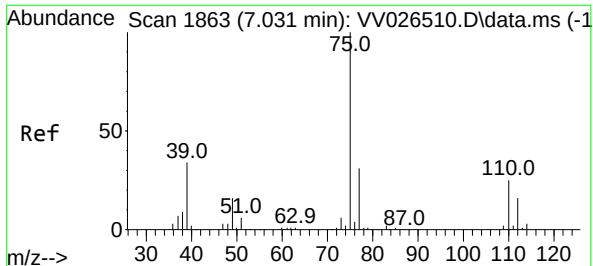
Ion Ratio Lower Upper

83 100

85 64.2 44.0 81.8

127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.613 ug/L

RT: 7.030 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

Instrument :

MSVOA_V

ClientSampleId :

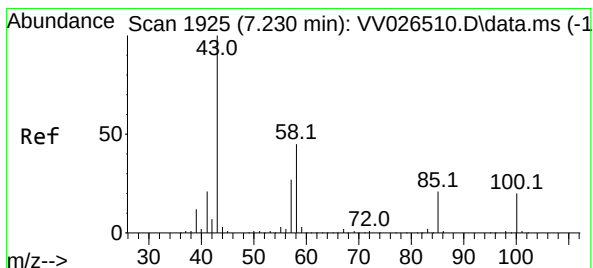
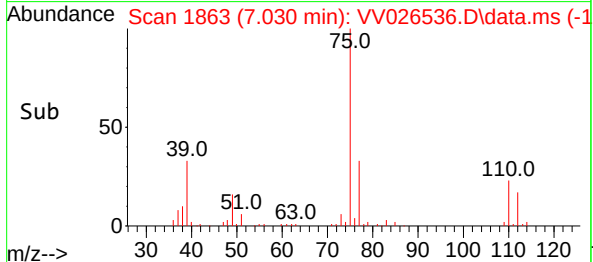
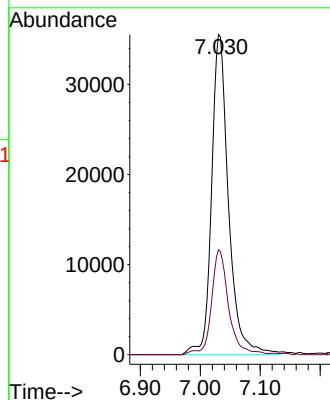
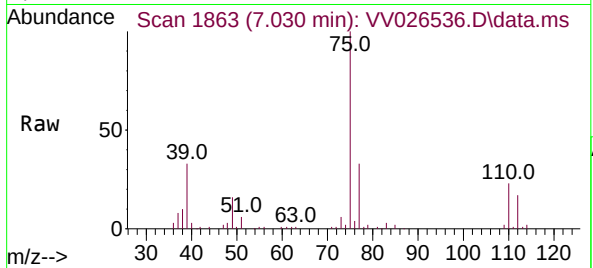
VSTD005334

Tgt Ion: 75 Resp: 69775

Ion Ratio Lower Upper

75 100

77 32.8 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 57.937 ug/L

RT: 7.230 min Scan# 1925

Delta R.T. -0.000 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

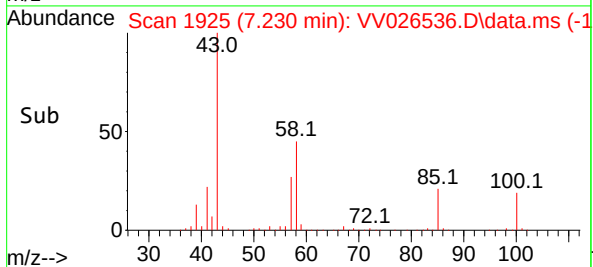
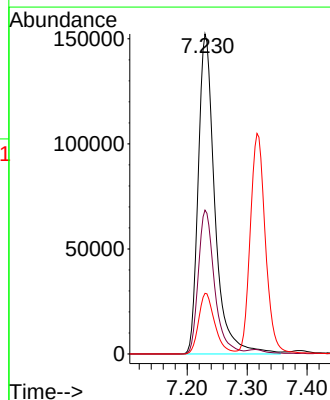
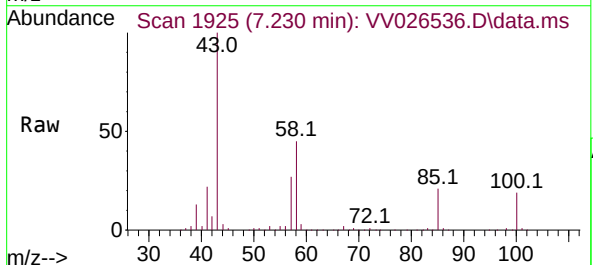
Tgt Ion: 43 Resp: 294476

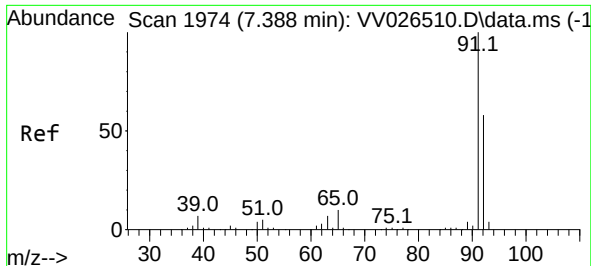
Ion Ratio Lower Upper

43 100

58 43.8 33.3 49.9

100 18.4 14.3 21.5





#42

Toluene

Concen: 5.172 ug/L

RT: 7.390 min Scan# 1974

Delta R.T. 0.003 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

Instrument :

MSVOA_V

ClientSampleId :

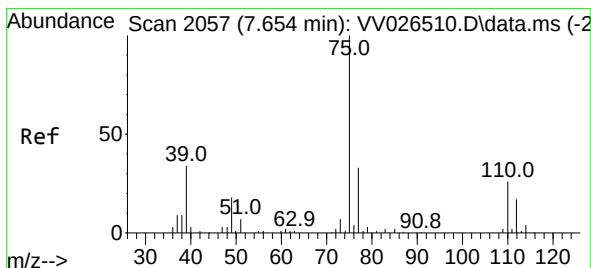
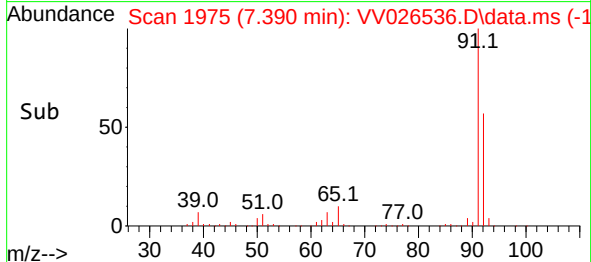
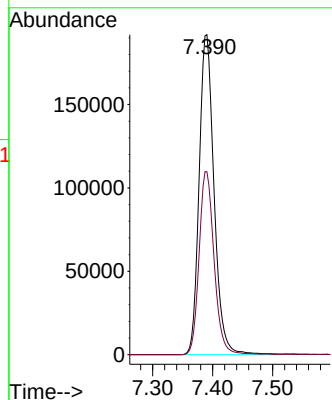
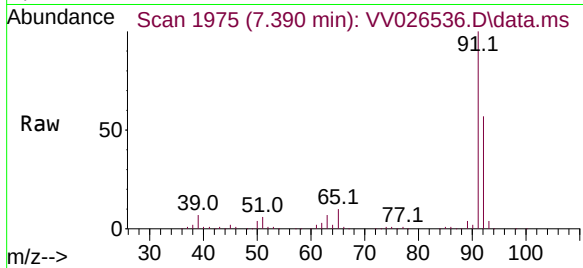
VSTD005334

Tgt Ion: 91 Resp: 333337

Ion Ratio Lower Upper

91 100

92 57.2 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 4.623 ug/L

RT: 7.654 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VV026536.D

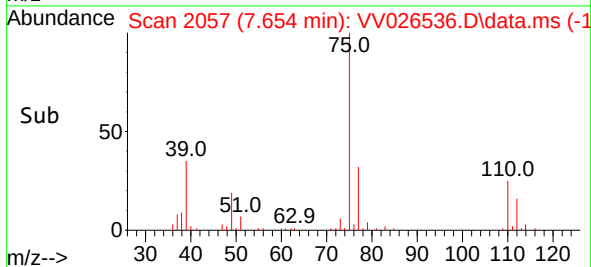
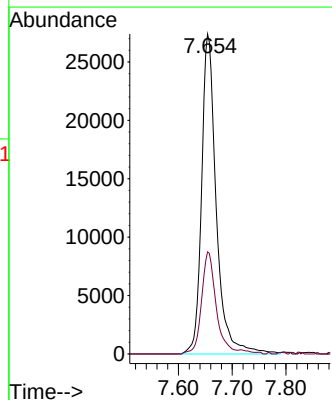
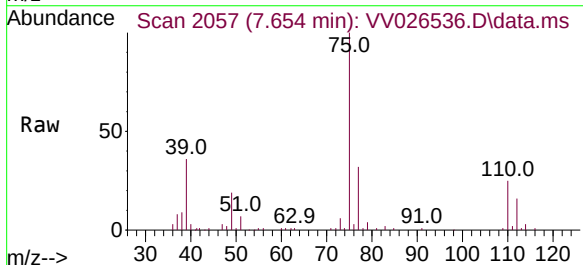
Acq: 24 Jun 2022 00:18

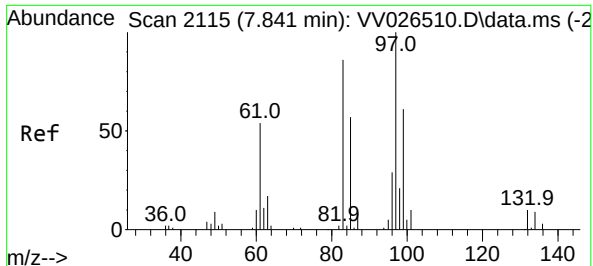
Tgt Ion: 75 Resp: 52005

Ion Ratio Lower Upper

75 100

77 31.9 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 5.284 ug/L

RT: 7.841 min Scan# 2115

Delta R.T. -0.000 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD005334

Tgt Ion: 97 Resp: 50144

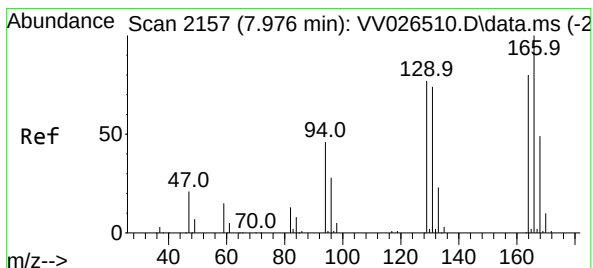
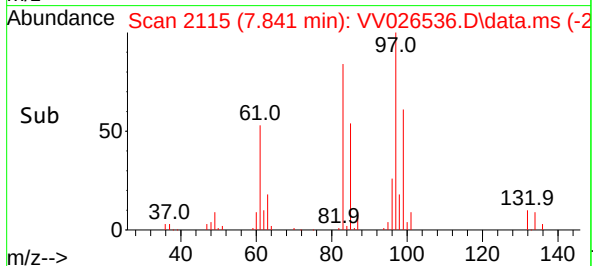
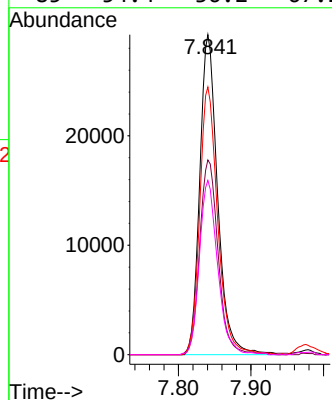
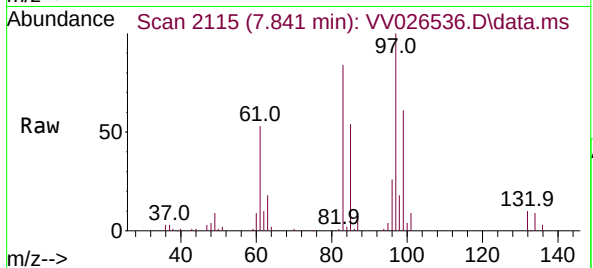
Ion Ratio Lower Upper

97 100

99 60.9 43.4 80.6

83 83.6 58.0 107.8

85 54.4 36.2 67.2



#47

Tetrachloroethene

Concen: 4.760 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

Tgt Ion:164 Resp: 62200

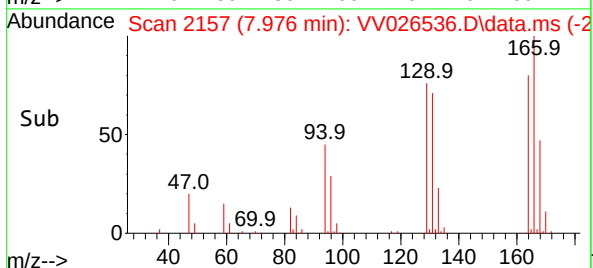
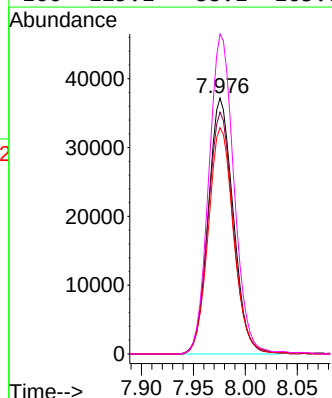
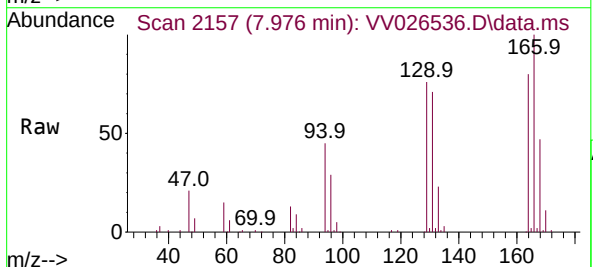
Ion Ratio Lower Upper

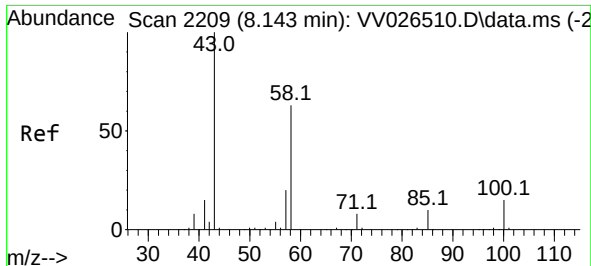
164 100

129 94.5 66.4 123.2

131 88.5 64.4 119.6

166 125.1 88.1 163.7

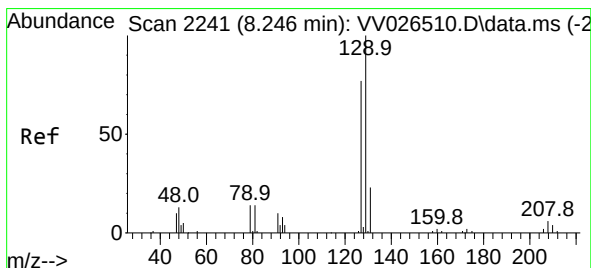
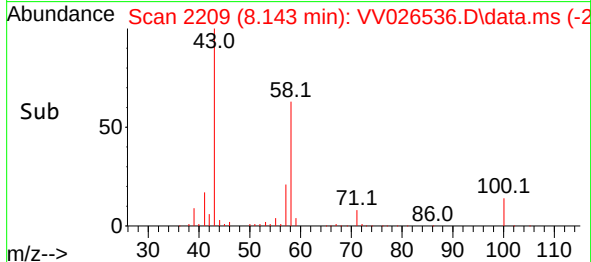
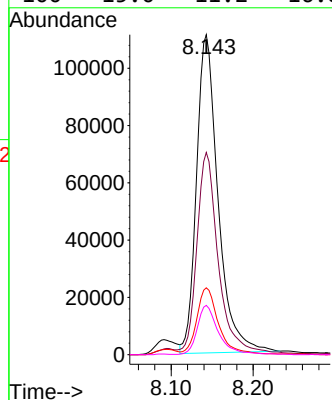
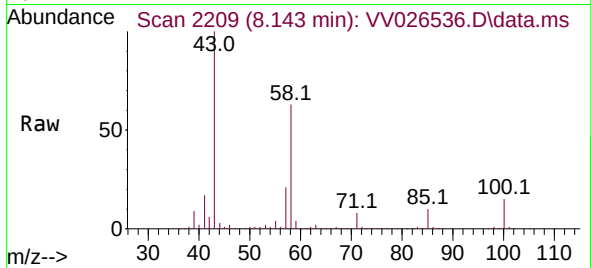




#48
2-Hexanone
Concen: 57.354 ug/L
RT: 8.143 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

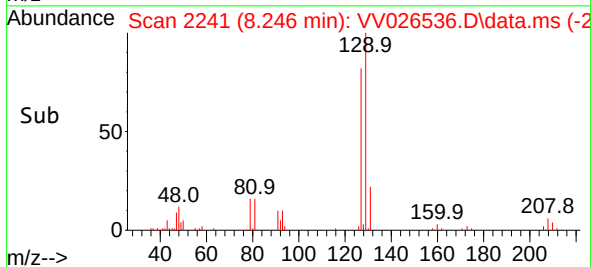
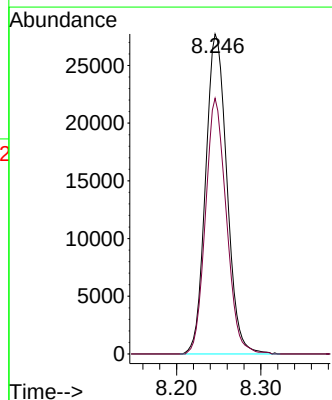
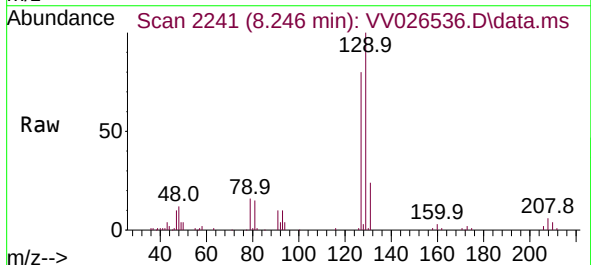
Instrument :
MSVOA_V
ClientSampleId :
VSTD005334

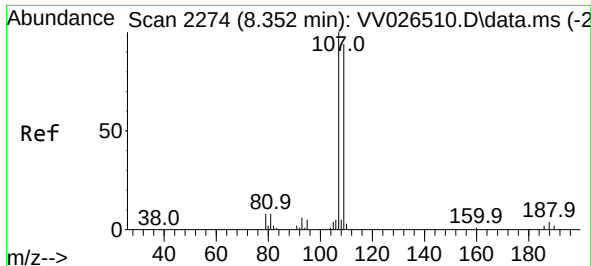
Tgt Ion:	43	Resp:	202926
Ion	Ratio	Lower	Upper
43	100		
58	63.5	47.8	71.6
57	21.1	15.0	22.6
100	15.0	11.2	16.8



#49
Dibromochloromethane
Concen: 5.074 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

Tgt Ion:	129	Resp:	48756
Ion	Ratio	Lower	Upper
129	100		
127	79.9	54.2	100.6





#50

1,2-Dibromoethane

Concen: 5.260 ug/L

RT: 8.355 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD005334

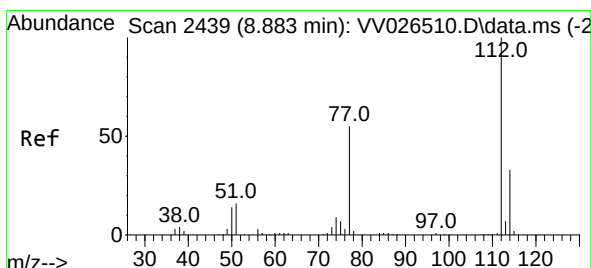
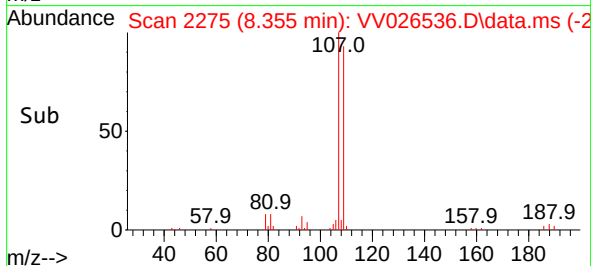
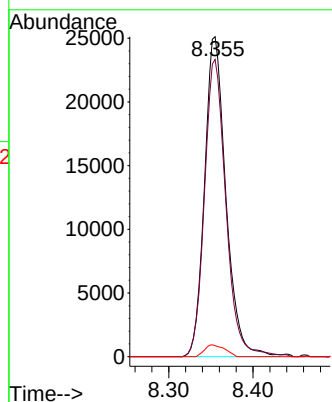
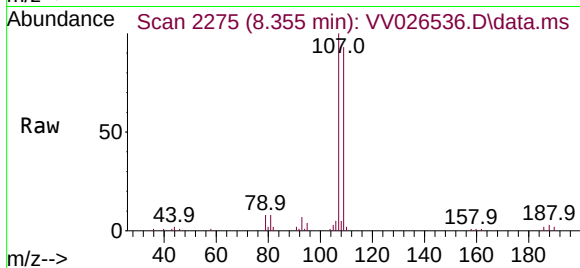
Tgt Ion:107 Resp: 44382

Ion Ratio Lower Upper

107 100

109 92.9 67.8 125.8

188 3.4 3.2 4.8



#51

Chlorobenzene

Concen: 5.004 ug/L

RT: 8.882 min Scan# 2439

Delta R.T. -0.000 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

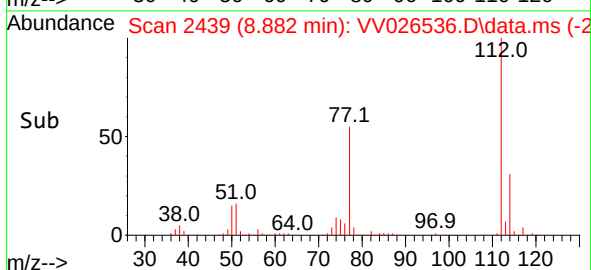
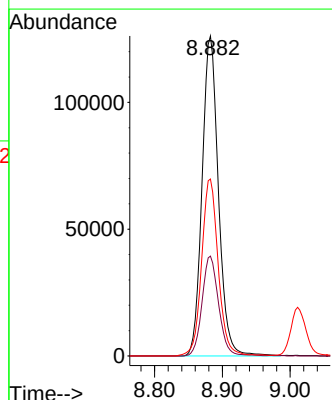
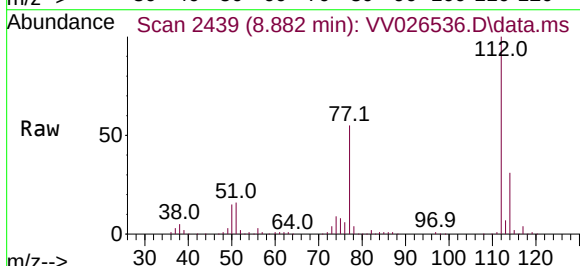
Tgt Ion:112 Resp: 211245

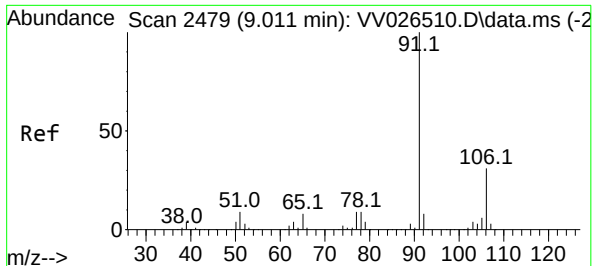
Ion Ratio Lower Upper

112 100

114 31.2 22.3 41.5

77 55.3 44.4 66.6





#52

Ethylbenzene

Concen: 5.084 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. -0.000 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

Instrument :

MSVOA_V

ClientSampleId :

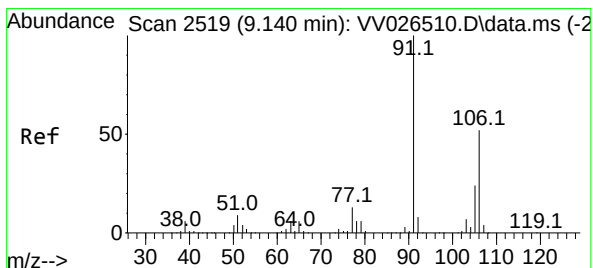
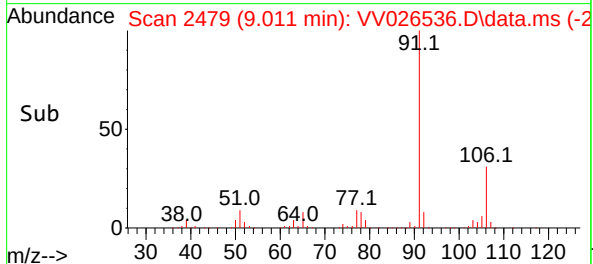
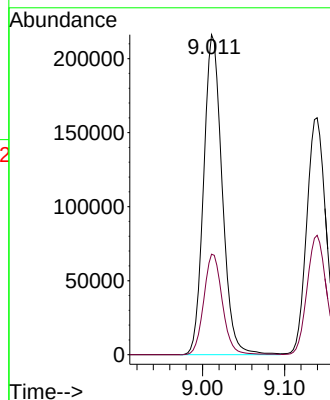
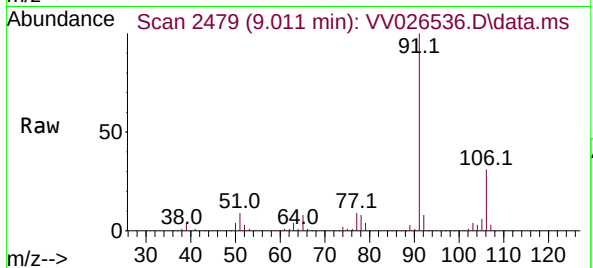
VSTD005334

Tgt Ion: 91 Resp: 338895

Ion Ratio Lower Upper

91 100

106 31.4 22.1 41.1



#53

m,p-Xylene

Concen: 5.136 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. -0.000 min

Lab File: VV026536.D

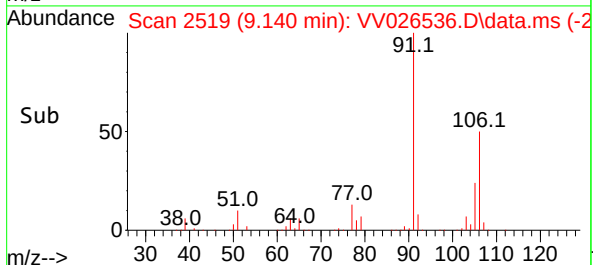
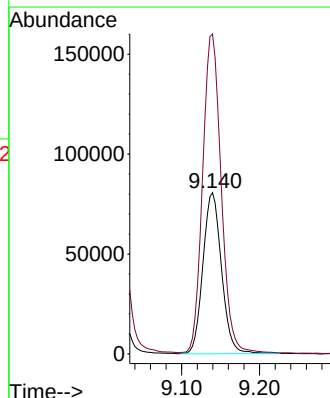
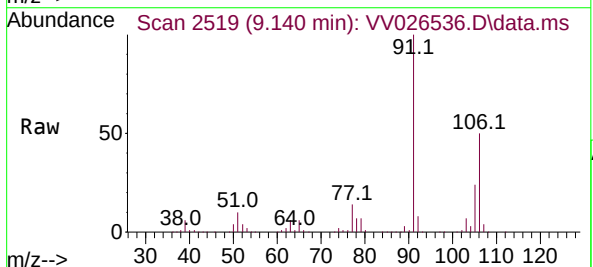
Acq: 24 Jun 2022 00:18

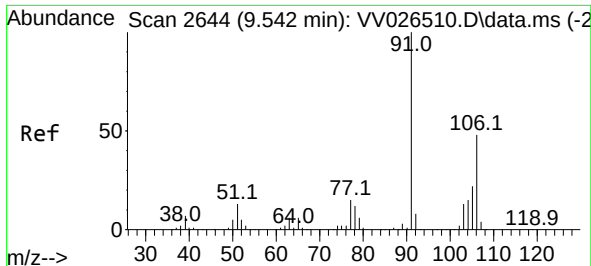
Tgt Ion: 106 Resp: 133564

Ion Ratio Lower Upper

106 100

91 198.5 139.9 259.9

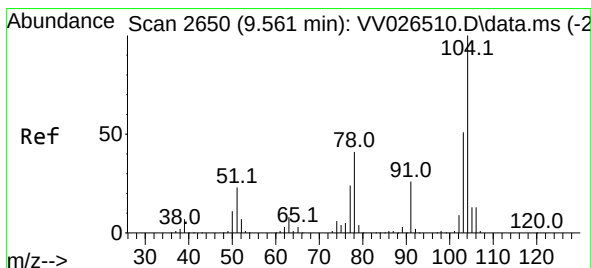
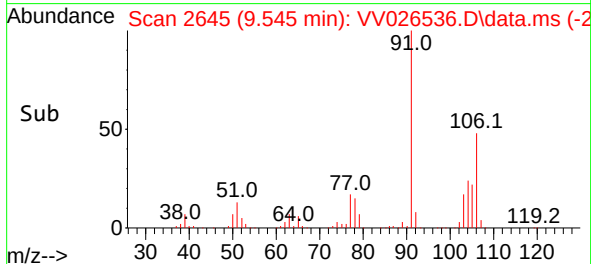
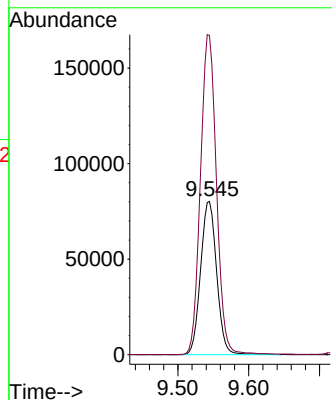
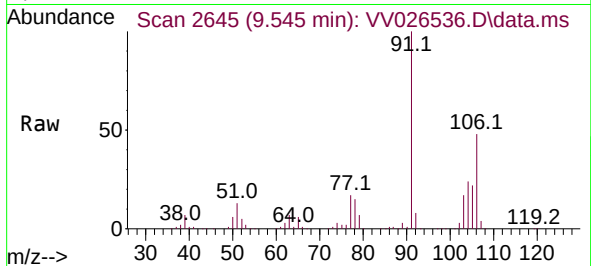




#54
o-Xylene
Concen: 5.165 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

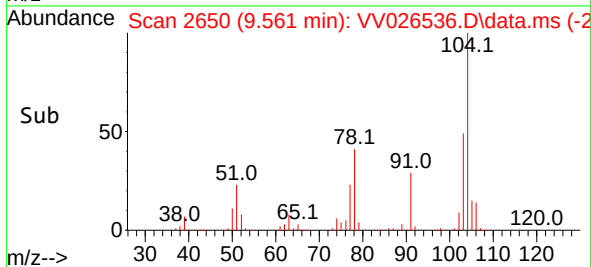
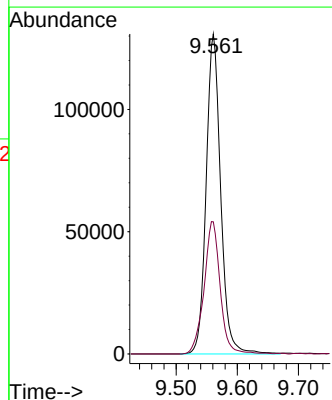
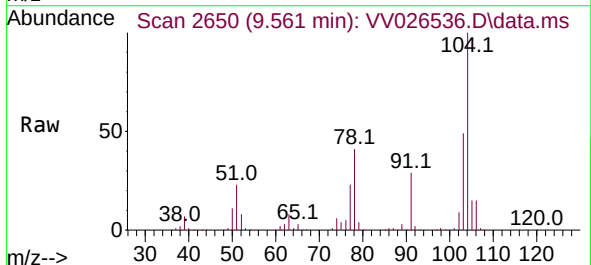
Instrument :
MSVOA_V
ClientSampleId :
VSTD005334

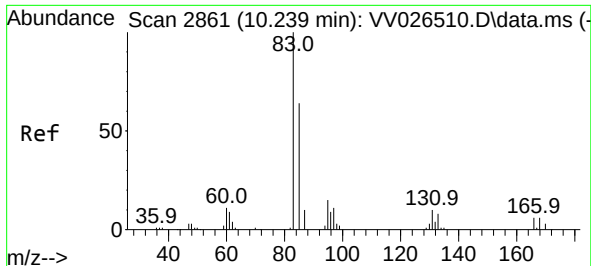
Tgt Ion:106 Resp: 126076
Ion Ratio Lower Upper
106 100
91 208.3 147.5 273.9



#55
Styrene
Concen: 5.344 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. -0.000 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

Tgt Ion:104 Resp: 216042
Ion Ratio Lower Upper
104 100
78 41.3 28.4 52.8

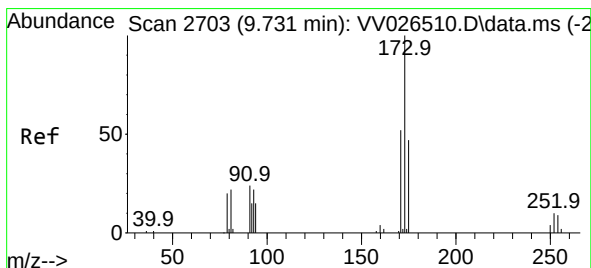
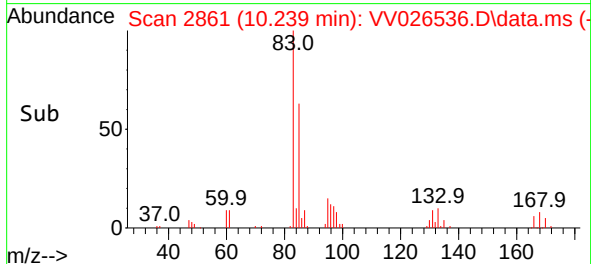
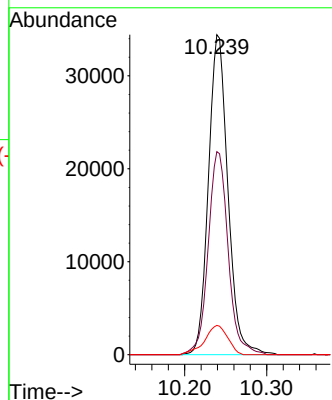
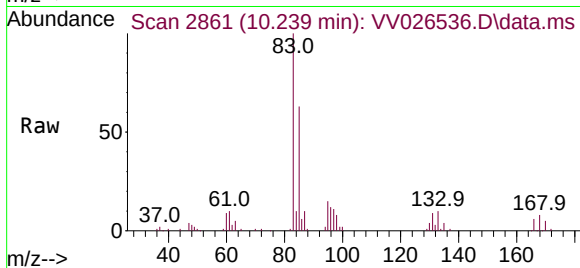




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.366 ug/L
 RT: 10.239 min Scan# 2861
 Delta R.T. -0.000 min
 Lab File: VV026536.D
 Acq: 24 Jun 2022 00:18

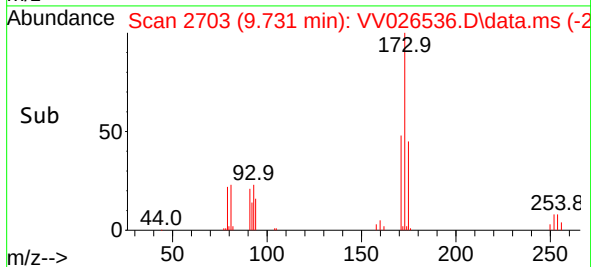
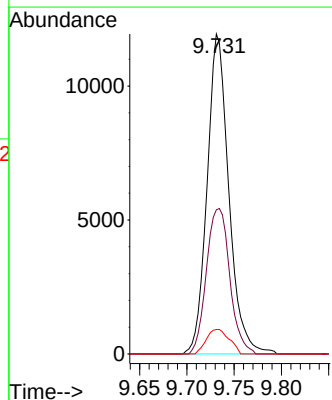
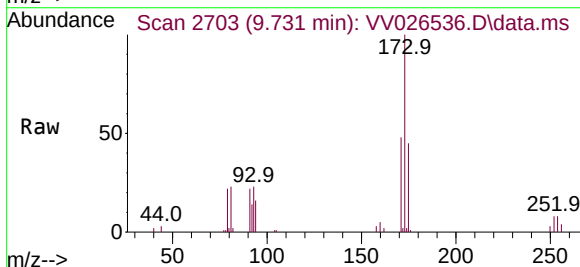
Instrument : MSVOA_V
 ClientSampleId : VSTD005334

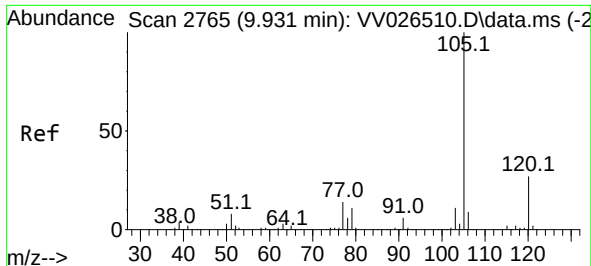
Tgt Ion:	83	Resp:	56857
Ion	Ratio	Lower	Upper
83	100		
85	63.5	44.3	82.3
131	9.2	8.0	12.0



#59
 Bromoform
 Concen: 4.671 ug/L
 RT: 9.731 min Scan# 2703
 Delta R.T. -0.000 min
 Lab File: VV026536.D
 Acq: 24 Jun 2022 00:18

Tgt Ion:	173	Resp:	19093
Ion	Ratio	Lower	Upper
173	100		
175	48.8	37.9	56.9
254	8.1	6.3	9.5

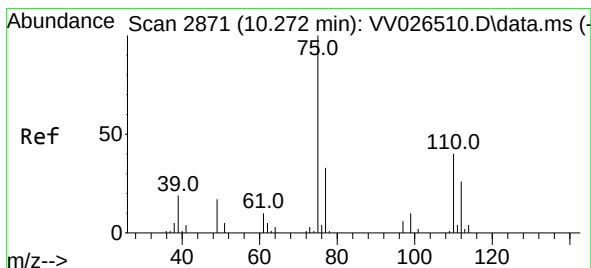
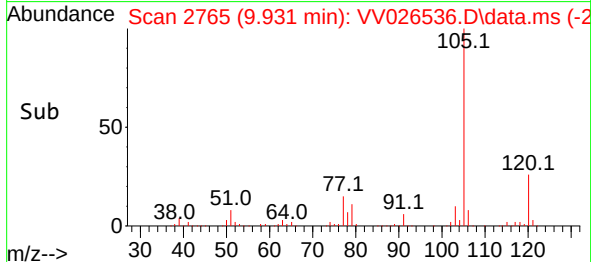
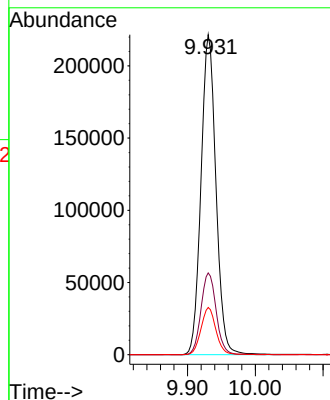
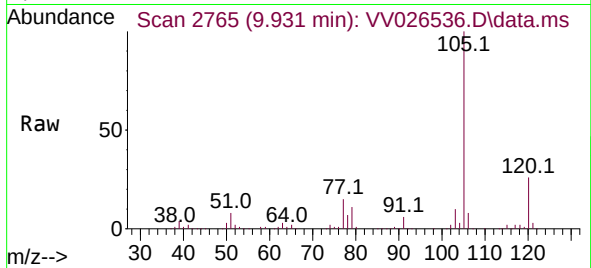




#60
Isopropylbenzene
Concen: 4.958 ug/L
RT: 9.931 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

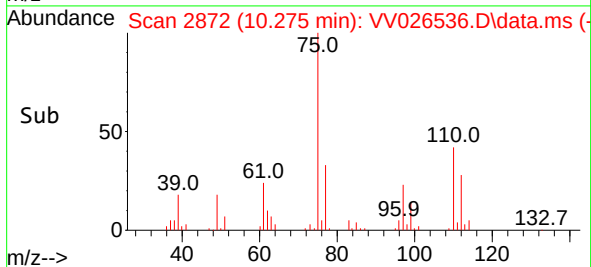
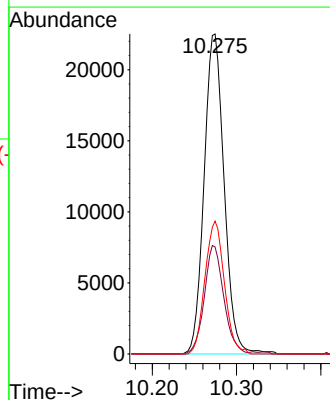
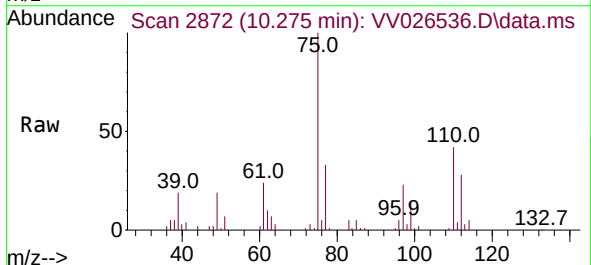
Instrument :
MSVOA_V
ClientSampleId :
VSTD005334

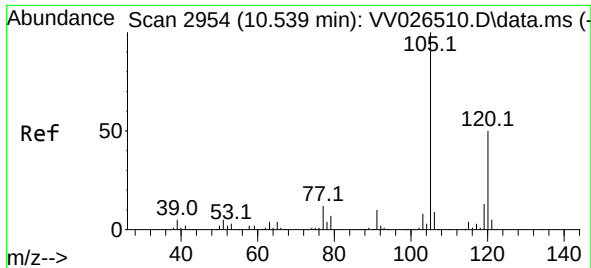
Tgt Ion:105 Resp: 339175
Ion Ratio Lower Upper
105 100
120 26.0 21.4 32.2
77 14.8 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 5.196 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

Tgt Ion: 75 Resp: 37320
Ion Ratio Lower Upper
75 100
77 32.9 25.8 38.6
110 40.3 32.5 48.7





#62

1,3,5-Trimethylbenzene

Concen: 4.878 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. -0.000 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

Instrument :

MSVOA_V

ClientSampleId :

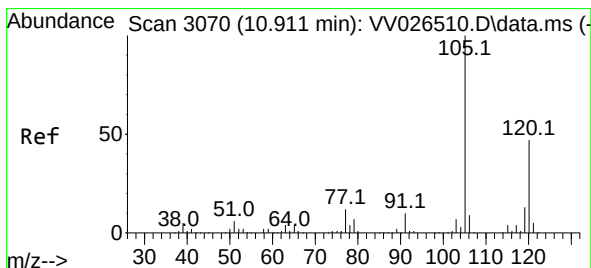
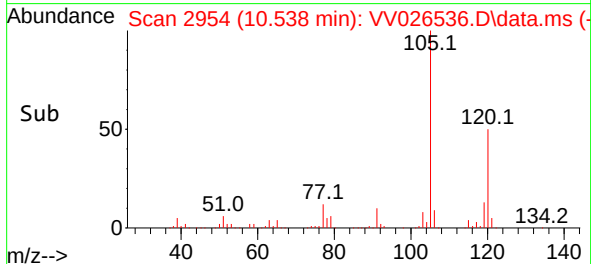
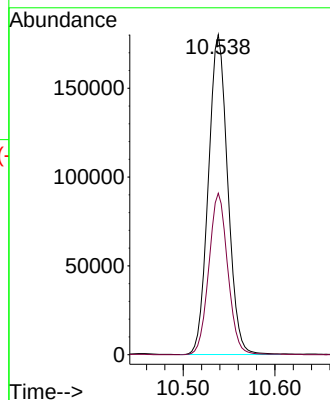
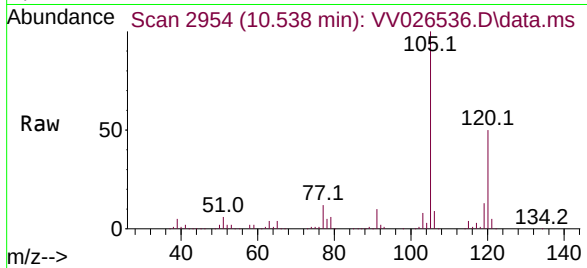
VSTD005334

Tgt Ion:105 Resp: 263818

Ion Ratio Lower Upper

105 100

120 49.5 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.964 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV026536.D

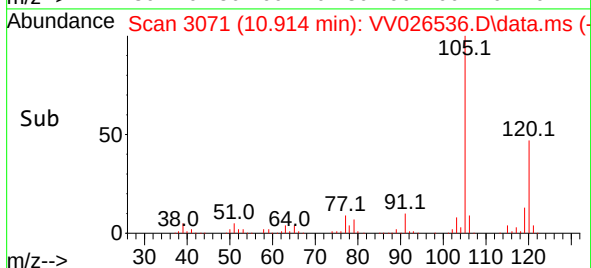
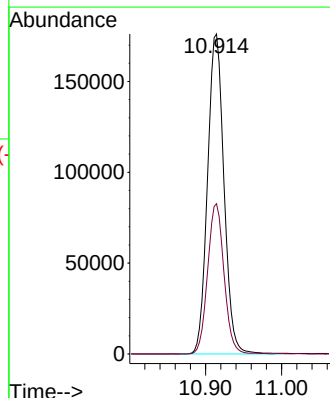
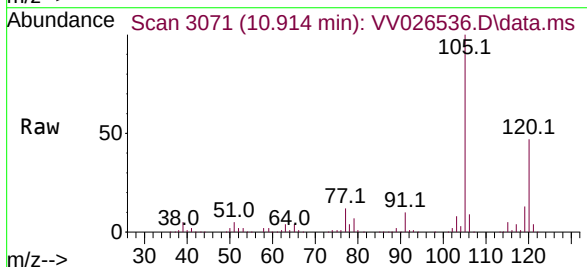
Acq: 24 Jun 2022 00:18

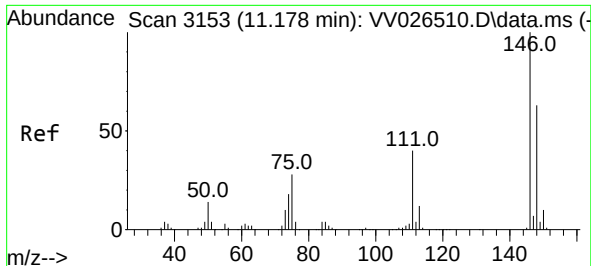
Tgt Ion:105 Resp: 264720

Ion Ratio Lower Upper

105 100

120 46.8 37.4 56.2

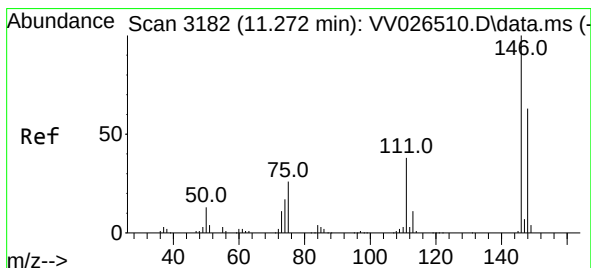
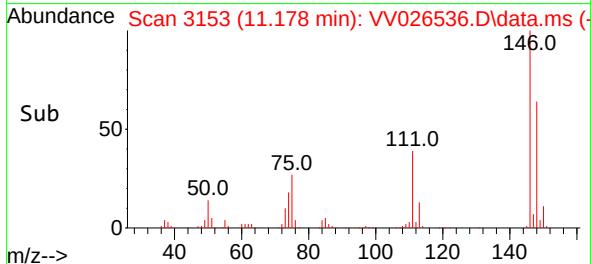
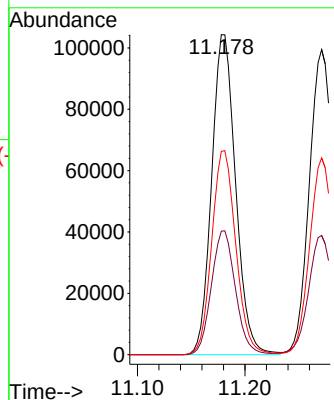
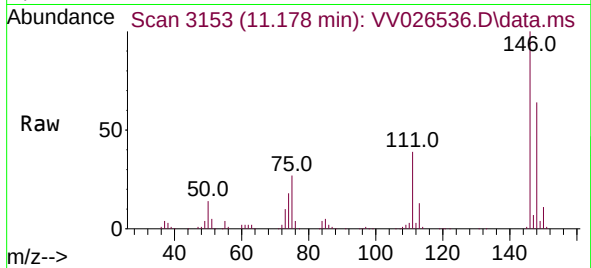




#64
1,3-Dichlorobenzene
Concen: 4.856 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. -0.000 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

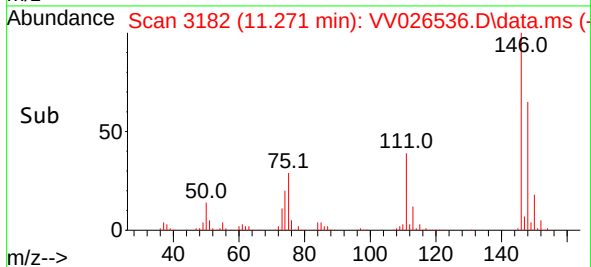
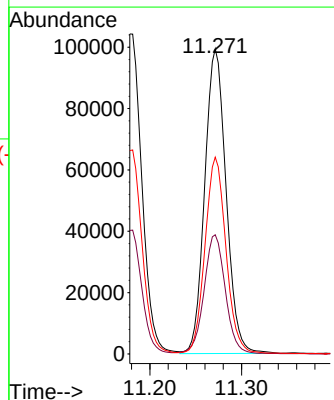
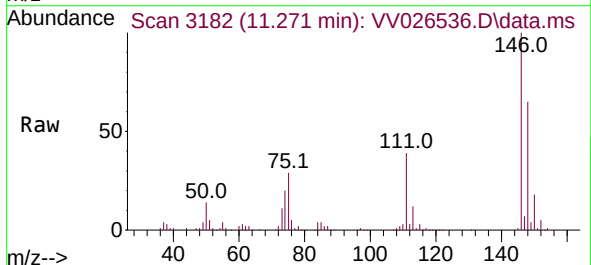
Instrument :
MSVOA_V
ClientSampleId :
VSTD005334

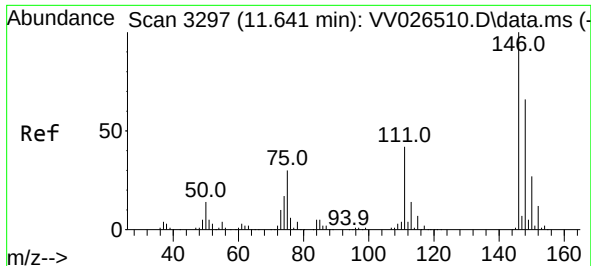
Tgt Ion:146 Resp: 161601
Ion Ratio Lower Upper
146 100
111 38.6 27.9 51.7
148 63.6 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 4.867 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. -0.000 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

Tgt Ion:146 Resp: 160813
Ion Ratio Lower Upper
146 100
111 39.1 26.5 49.3
148 64.5 43.7 81.1

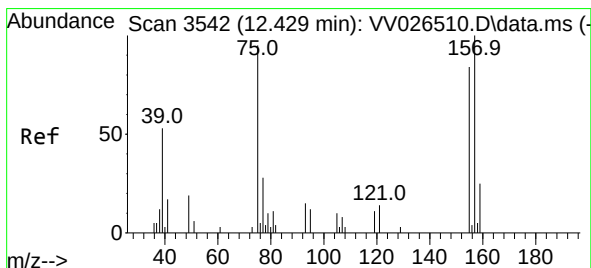
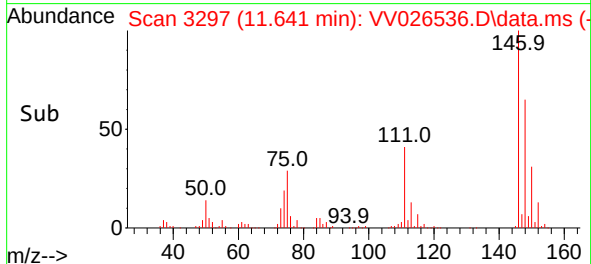
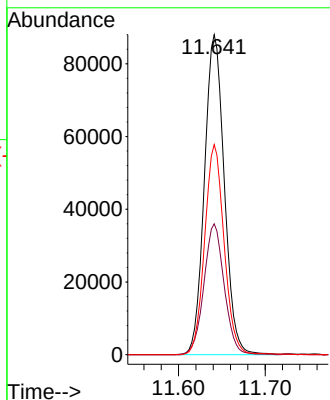
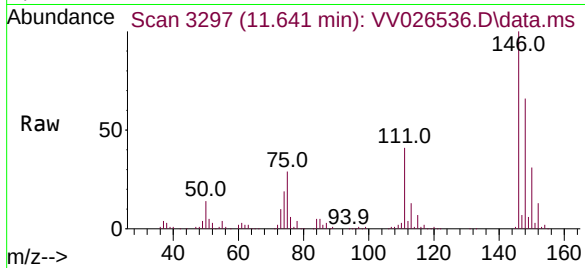




#67
1,2-Dichlorobenzene
Concen: 4.960 ug/L
RT: 11.641 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

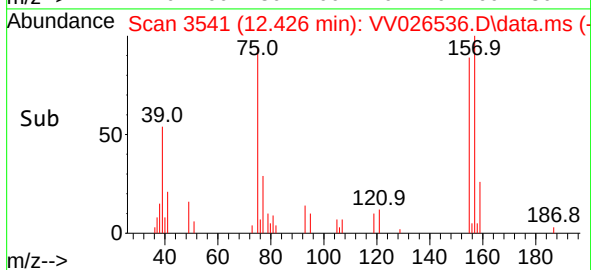
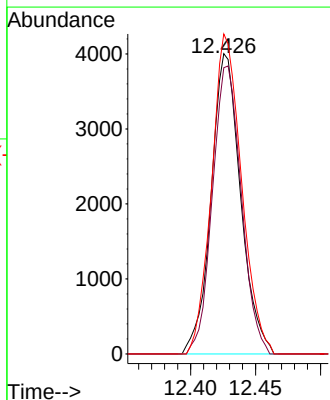
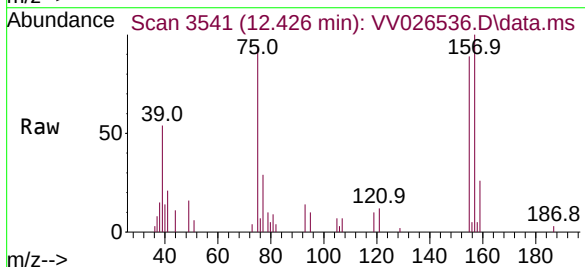
Instrument :
MSVOA_V
ClientSampleId :
VSTD005334

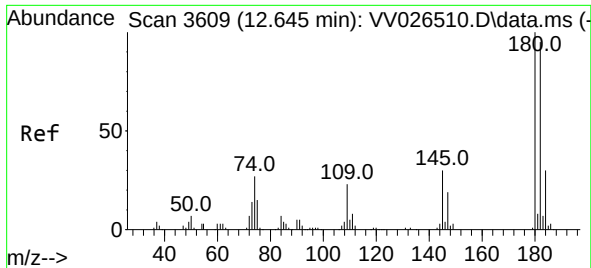
Tgt Ion:146 Resp: 140433
Ion Ratio Lower Upper
146 100
111 40.9 32.8 49.2
148 65.6 51.7 77.5



#68
1,2-Dibromo-3-chloropropane
Concen: 4.903 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. -0.004 min
Lab File: VV026536.D
Acq: 24 Jun 2022 00:18

Tgt Ion: 75 Resp: 6317
Ion Ratio Lower Upper
75 100
155 95.4 74.7 112.1
157 106.6 96.9 145.3





#69

1,3,5-Trichlorobenzene

Concen: 4.627 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. -0.000 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD005334

Tgt Ion:180 Resp: 110718

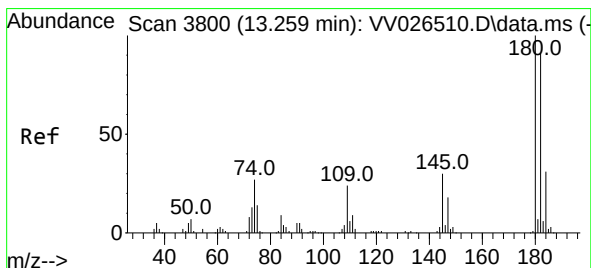
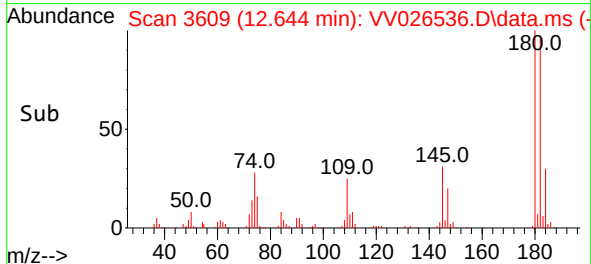
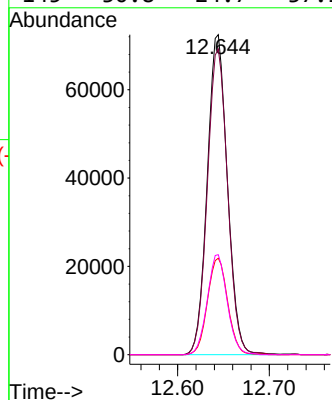
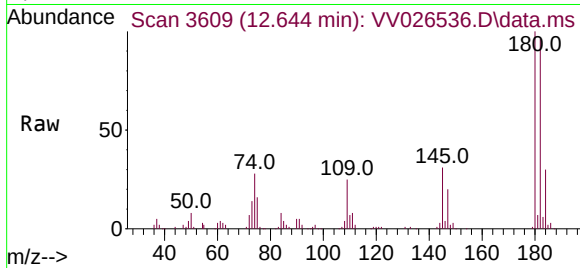
Ion Ratio Lower Upper

180 100

182 96.0 76.6 115.0

184 30.2 24.1 36.1

145 30.8 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 4.937 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

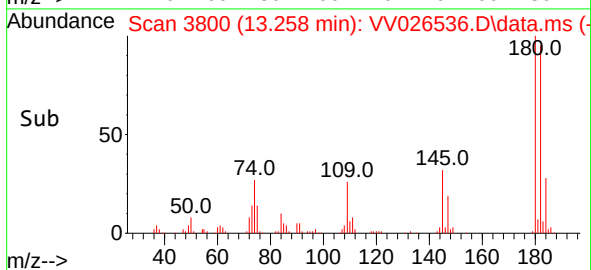
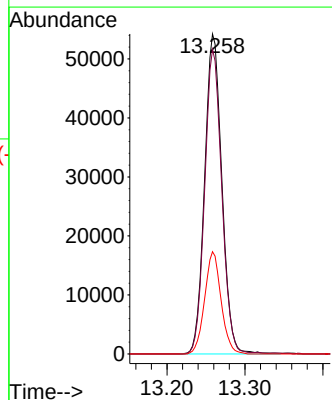
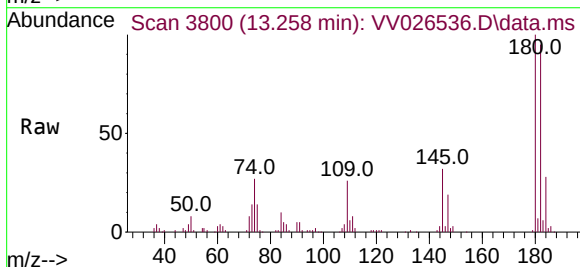
Tgt Ion:180 Resp: 83412

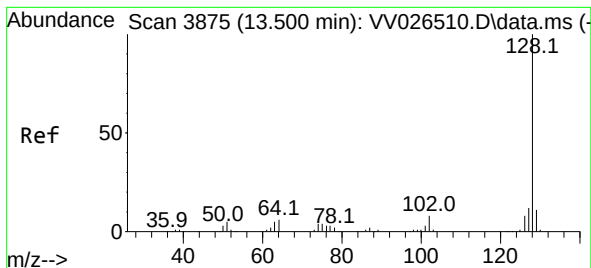
Ion Ratio Lower Upper

180 100

182 93.9 75.2 112.8

145 30.5 24.4 36.6





#71

Naphthalene

Concen: 5.087 ug/L

RT: 13.499 min Scan# 3875

Delta R.T. -0.000 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD005334

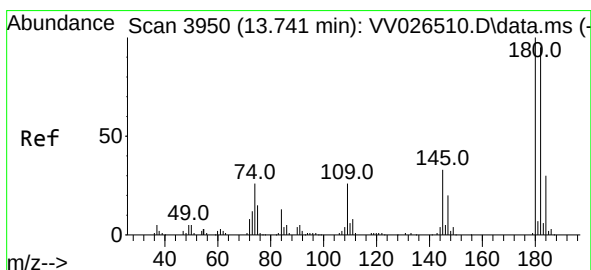
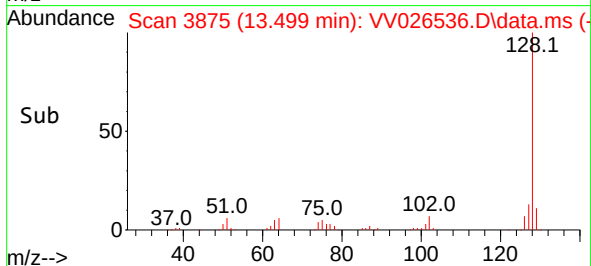
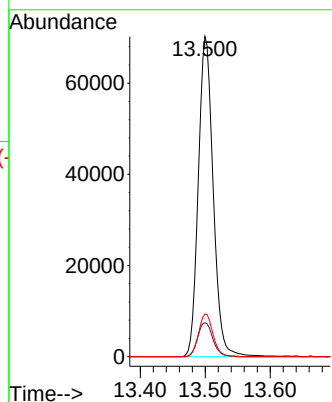
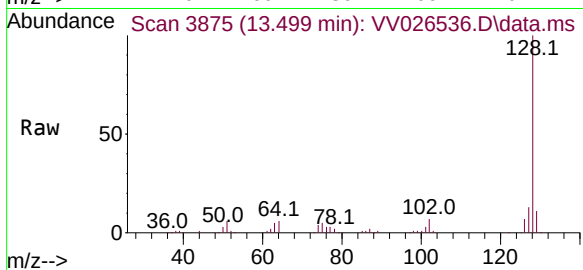
Tgt Ion:128 Resp: 112139

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

127 13.0 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 5.108 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. -0.000 min

Lab File: VV026536.D

Acq: 24 Jun 2022 00:18

Tgt Ion:180 Resp: 70632

Ion Ratio Lower Upper

180 100

182 94.8 76.8 115.2

145 31.8 25.8 38.6

