

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051722\
 Data File : VW025919.D
 Acq On : 17 May 2022 10:32
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005291

Quant Time: May 18 05:51:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR051322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 17 07:58:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	162366	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	170214	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	91806	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	63560	4.740	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.800%
7) Chloroethane-d5	1.568	69	58120	5.062	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.200%
11) 1,1-Dichloroethene-d2	2.108	63	143474	4.834	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.600%
20) 2-Butanone-d5	3.902	46	83859	53.999	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.000%
24) Chloroform-d	4.342	84	115398	5.268	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.400%
26) 1,2-Dichloroethane-d4	5.027	65	47466	5.110	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
32) Benzene-d6	5.043	84	222935	5.044	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
36) 1,2-Dichloropropane-d6	6.066	67	63294	4.925	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.310	98	209803	5.106	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
43) trans-1,3-Dichloroprop...	7.622	79	17638	4.197	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.000%
46) 2-Hexanone-d5	8.088	63	71417	45.770	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.540%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	41688	5.036	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	64778	4.956	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	81934	4.679	ug/L	98
3) Chloromethane	1.240	50	92855	4.540	ug/L	96
5) Vinyl chloride	1.310	62	99624	4.631	ug/L	100
6) Bromomethane	1.519	94	45669	3.647	ug/L	100
8) Chloroethane	1.584	64	64184	4.599	ug/L	99
9) Trichlorofluoromethane	1.751	101	134995	4.702	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	77248	4.801	ug/L	99
12) 1,1-Dichloroethene	2.114	96	74053	4.746	ug/L	84
13) Acetone	2.191	43	69770	46.600	ug/L	74
14) Carbon disulfide	2.291	76	177957	4.426	ug/L	99
15) Methyl Acetate	2.439	43	16212	4.753	ug/L	98
16) Methylene chloride	2.503	84	66294	4.185	ug/L	99
17) Methyl tert-butyl Ether	2.767	73	109437	4.395	ug/L	100
18) trans-1,2-Dichloroethene	2.757	96	63258	4.649	ug/L	98
19) 1,1-Dichloroethane	3.185	63	120909	4.693	ug/L	99
21) 2-Butanone	3.985	43	106096	49.346	ug/L	100
22) cis-1,2-Dichloroethene	3.908	96	63512	4.569	ug/L	99
23) Bromochloromethane	4.243	128	28600	4.864	ug/L	92
25) Chloroform	4.371	83	125111	4.791	ug/L	97

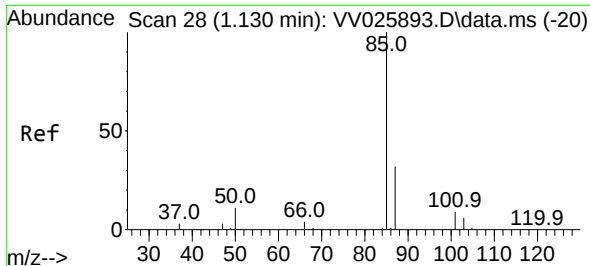
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051722\
 Data File : VW025919.D
 Acq On : 17 May 2022 10:32
 Operator : SY/MD
 Sample : VSTDCCC005
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
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 VSTD005291

Quant Time: May 18 05:51:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR051322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 17 07:58:29 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	63041	4.580	ug/L	100
29) 1,1,1-Trichloroethane	4.603	97	108870	4.690	ug/L	99
30) Cyclohexane	4.670	56	86058	4.163	ug/L	100
31) Carbon tetrachloride	4.821	117	90578	4.610	ug/L	98
33) Benzene	5.095	78	266580	4.624	ug/L	100
34) Trichloroethene	5.908	95	66018	4.484	ug/L	98
35) Methylcyclohexane	6.127	83	100537	4.448	ug/L	97
37) 1,2-Dichloropropane	6.169	63	64455	4.740	ug/L	99
38) Bromodichloromethane	6.506	83	77506	4.535	ug/L	98
39) cis-1,3-Dichloropropene	7.024	75	67769	3.861	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	276792	44.005	ug/L	99
42) Toluene	7.384	91	282710	4.711	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	56275	3.930	ug/L	99
45) 1,1,2-Trichloroethane	7.834	97	43110	4.618	ug/L	91
47) Tetrachloroethene	7.972	164	51584	4.522	ug/L	96
48) 2-Hexanone	8.136	43	202167	45.466	ug/L	99
49) Dibromochloromethane	8.243	129	45166	4.428	ug/L	94
50) 1,2-Dibromoethane	8.352	107	36784	4.433	ug/L #	97
51) Chlorobenzene	8.879	112	174166	4.474	ug/L	98
52) Ethylbenzene	9.008	91	279847	4.434	ug/L	99
53) m,p-Xylene	9.136	106	112006	4.595	ug/L	96
54) o-Xylene	9.542	106	103236	4.447	ug/L	96
55) Styrene	9.558	104	185663	4.760	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	46986	4.659	ug/L	97
59) Bromoform	9.728	173	18894	3.968	ug/L	97
60) Isopropylbenzene	9.931	105	280404	4.570	ug/L	99
61) 1,2,3-Trichloropropane	10.271	75	33350	4.363	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	113098	4.316	ug/L	97
63) 1,2,4-Trimethylbenzene	10.911	105	210831	4.388	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	135245	4.659	ug/L	97
65) 1,4-Dichlorobenzene	11.271	146	132942	4.498	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	117634	4.510	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	6085	4.110	ug/L	99
69) 1,3,5-Trichlorobenzene	12.644	180	93846	4.340	ug/L	98
70) 1,2,4-trichlorobenzene	13.258	180	67325	4.104	ug/L	98
71) Naphthalene	13.500	128	90046	3.666	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	57921	4.087	ug/L	99

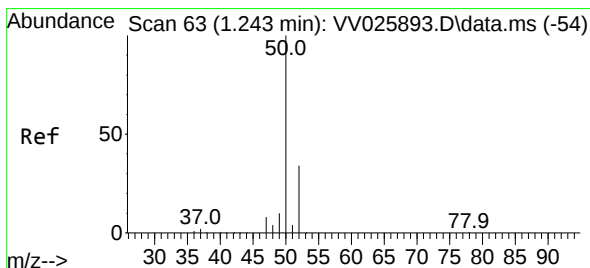
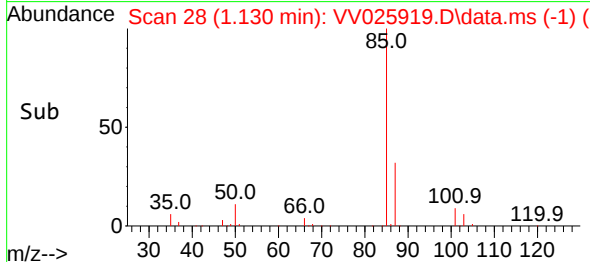
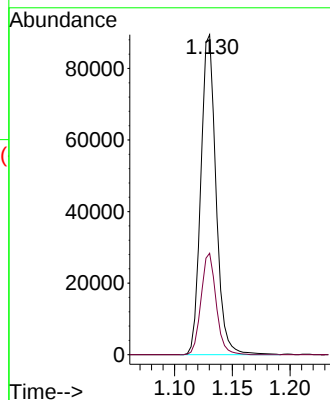
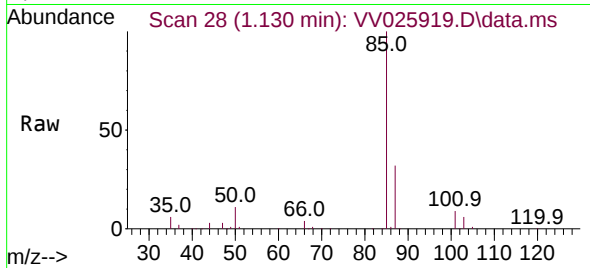
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#2
 Dichlorodifluoromethane
 Concen: 4.679 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV025919.D
 Acq: 17 May 2022 10:32

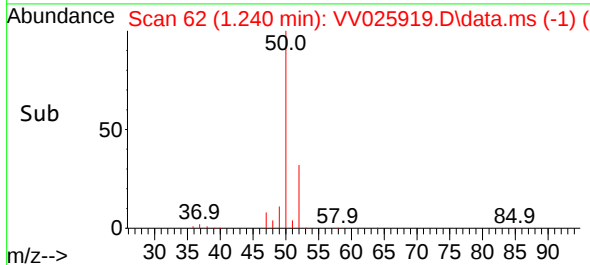
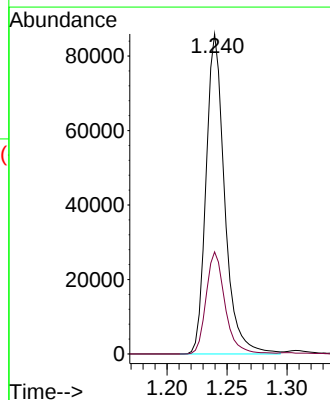
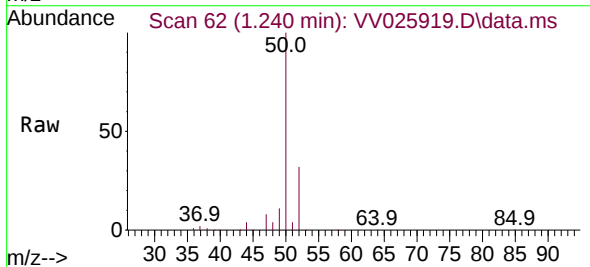
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005291

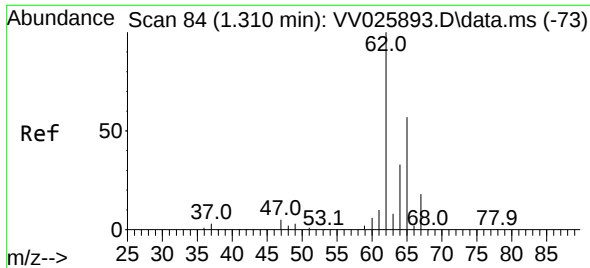
Tgt Ion: 85 Resp: 81934
 Ion Ratio Lower Upper
 85 100
 87 31.4 26.0 39.0



#3
 Chloromethane
 Concen: 4.540 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV025919.D
 Acq: 17 May 2022 10:32

Tgt Ion: 50 Resp: 92855
 Ion Ratio Lower Upper
 50 100
 52 31.9 23.9 44.3

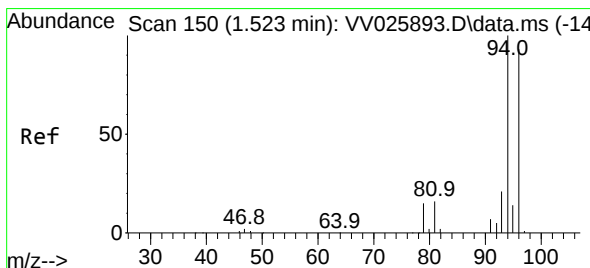
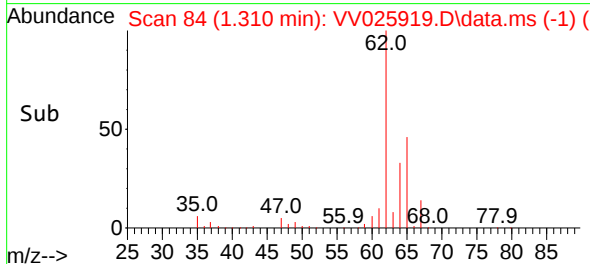
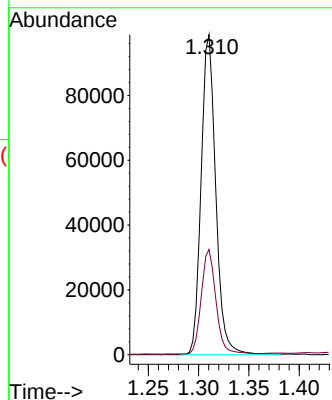
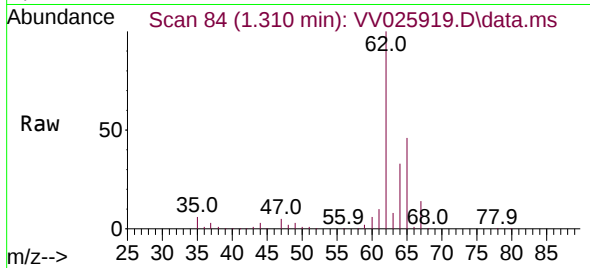




#5
 Vinyl chloride
 Concen: 4.631 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV025919.D
 Acq: 17 May 2022 10:32

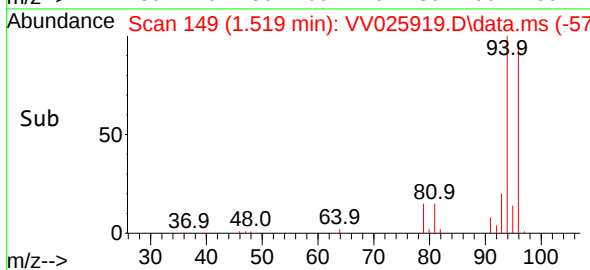
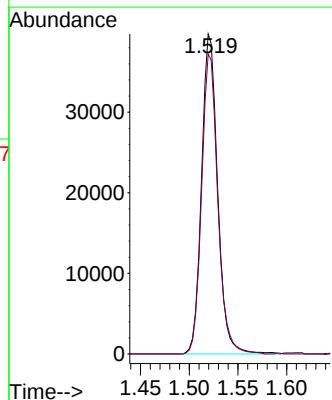
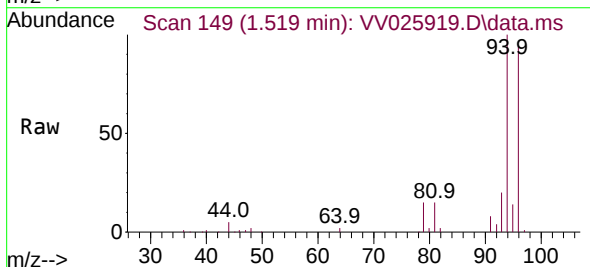
Instrument :
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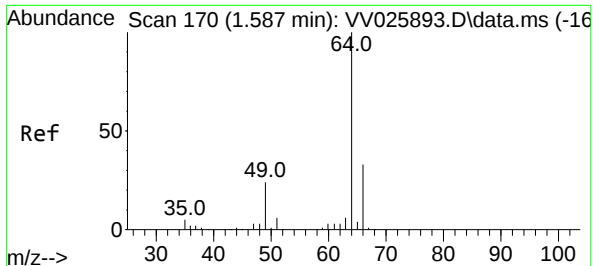
Tgt Ion: 62 Resp: 99624
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.9 42.5



#6
 Bromomethane
 Concen: 3.647 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.003 min
 Lab File: VV025919.D
 Acq: 17 May 2022 10:32

Tgt Ion: 94 Resp: 45669
 Ion Ratio Lower Upper
 94 100
 96 93.8 65.4 121.4

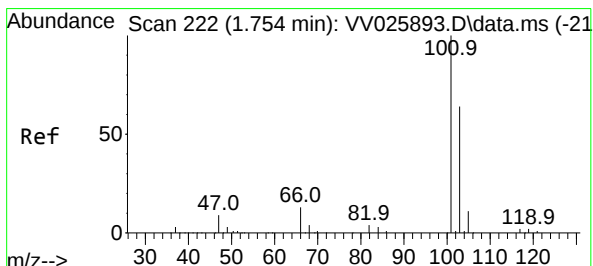
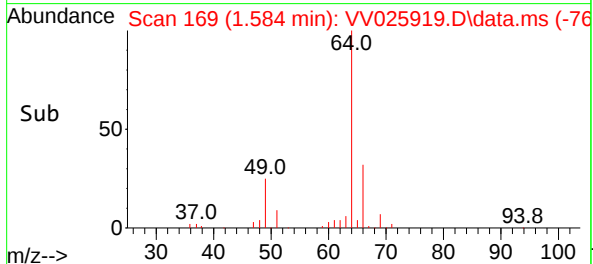
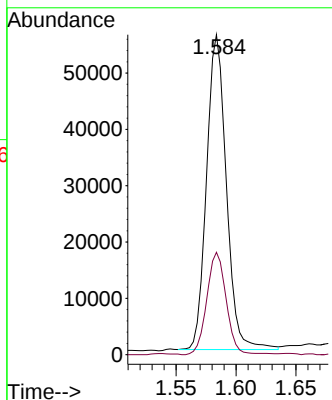
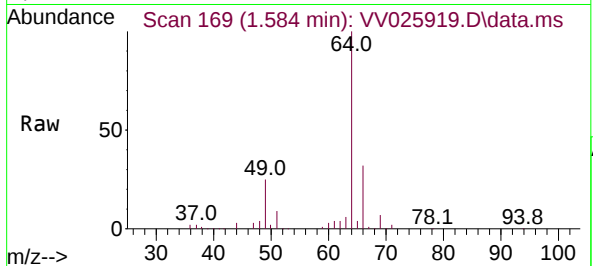




#8
Chloroethane
Concen: 4.599 ug/L
RT: 1.584 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

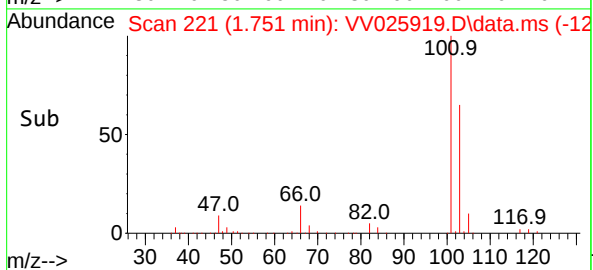
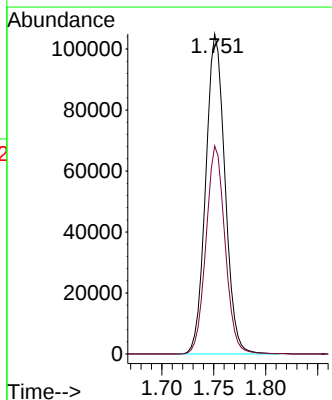
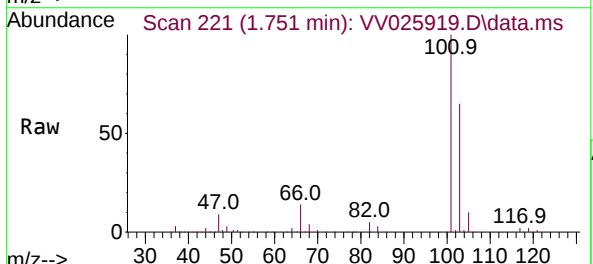
Instrument :
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ClientSampleId :
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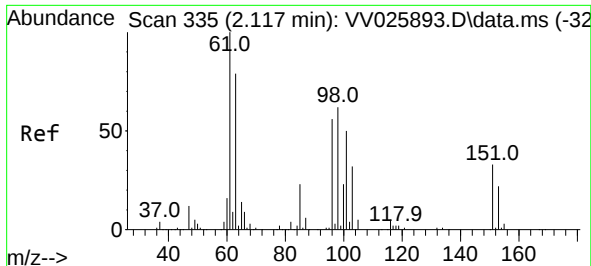
Tgt Ion: 64 Resp: 64184
Ion Ratio Lower Upper
64 100
66 32.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.702 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.003 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

Tgt Ion:101 Resp: 134995
Ion Ratio Lower Upper
101 100
103 64.4 50.6 76.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.801 ug/L

RT: 2.114 min Scan# 334

Delta R.T. 0.000 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD005291

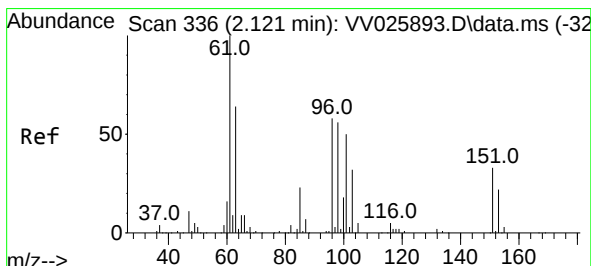
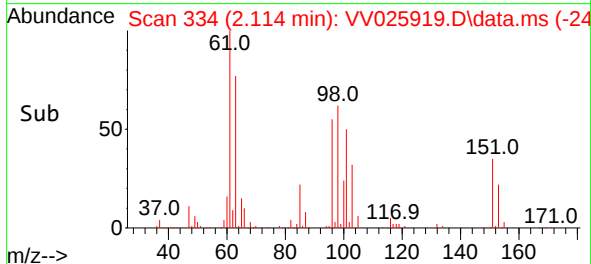
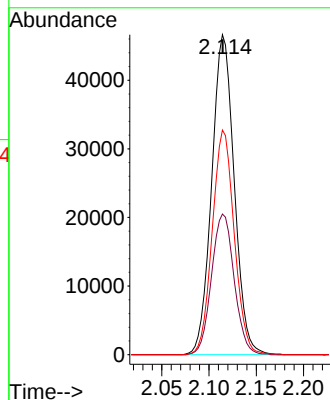
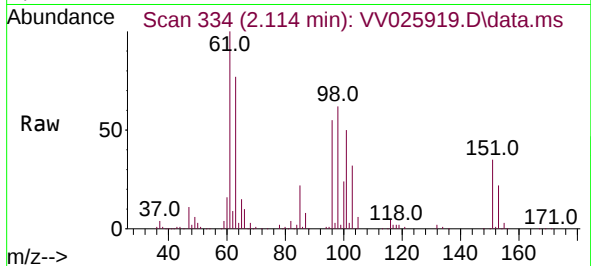
Tgt Ion:101 Resp: 77248

Ion Ratio Lower Upper

101 100

85 44.1 35.7 53.5

151 68.5 54.1 81.1



#12

1,1-Dichloroethene

Concen: 4.746 ug/L

RT: 2.114 min Scan# 334

Delta R.T. -0.003 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

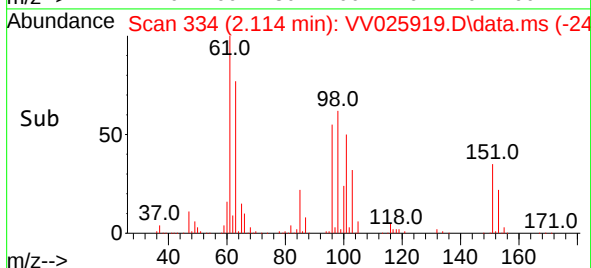
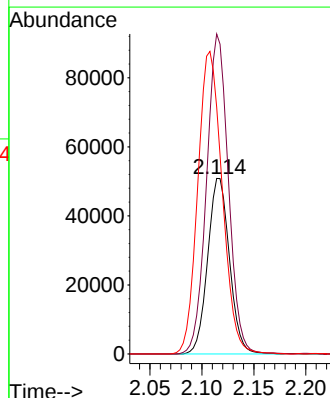
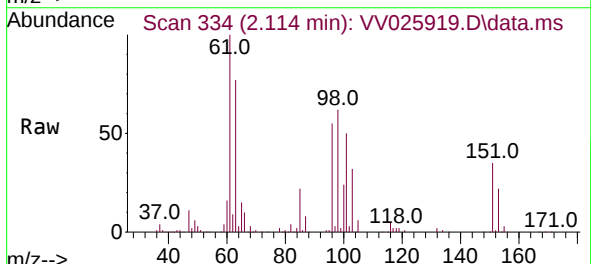
Tgt Ion: 96 Resp: 74053

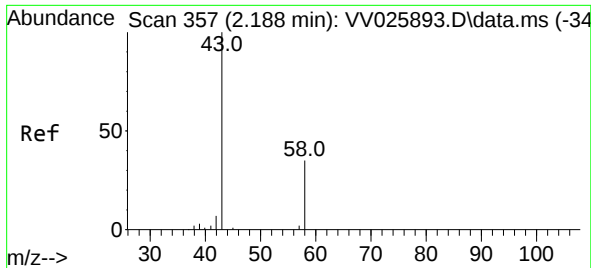
Ion Ratio Lower Upper

96 100

61 182.3 119.8 222.6

63 140.7 78.3 145.3





#13

Acetone

Concen: 46.600 ug/L

RT: 2.191 min Scan# 3

Delta R.T. -0.010 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

Instrument :

MSVOA_V

ClientSampleId :

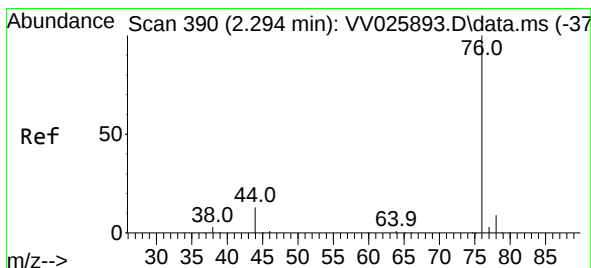
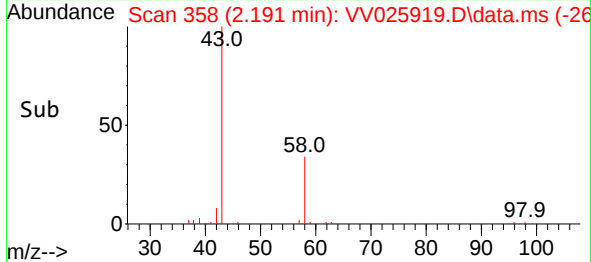
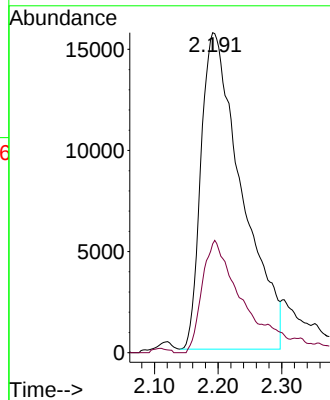
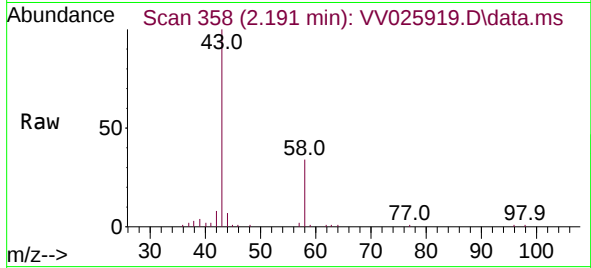
VSTD005291

Tgt Ion: 43 Resp: 69770

Ion Ratio Lower Upper

43 100

58 34.9 0.0 44.6



#14

Carbon disulfide

Concen: 4.426 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.000 min

Lab File: VV025919.D

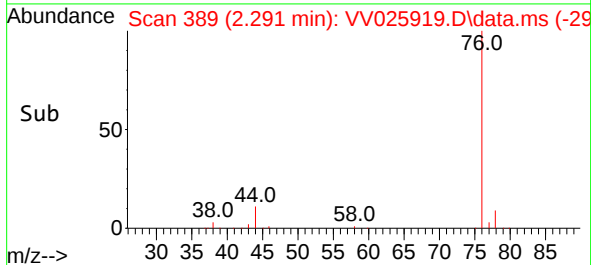
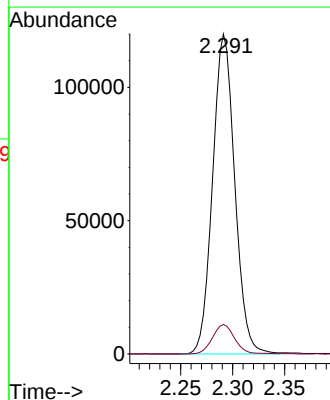
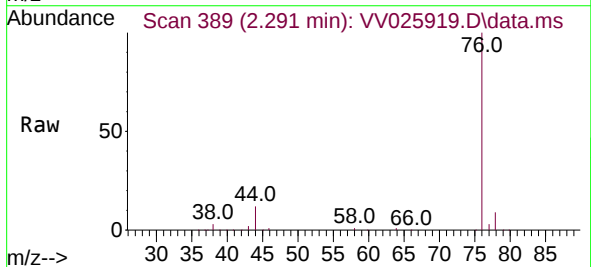
Acq: 17 May 2022 10:32

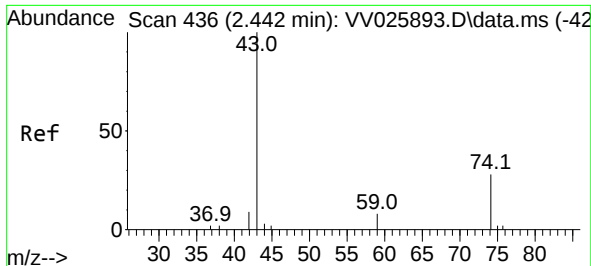
Tgt Ion: 76 Resp: 177957

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

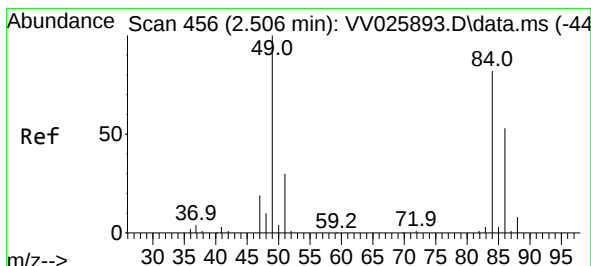
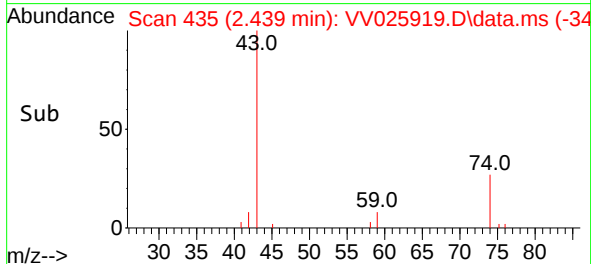
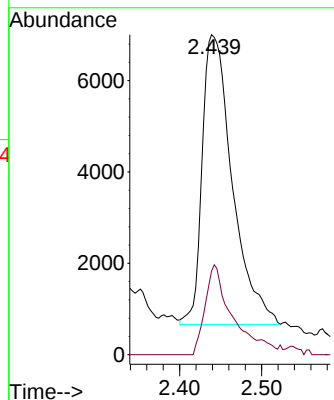
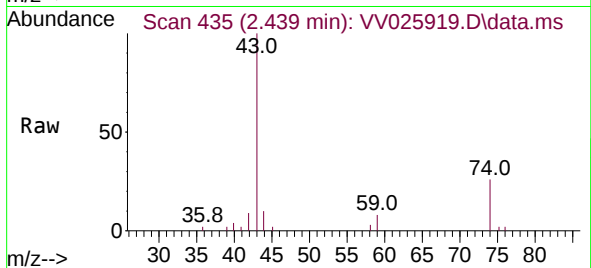




#15
Methyl Acetate
Concen: 4.753 ug/L
RT: 2.439 min Scan# 41
Delta R.T. -0.006 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

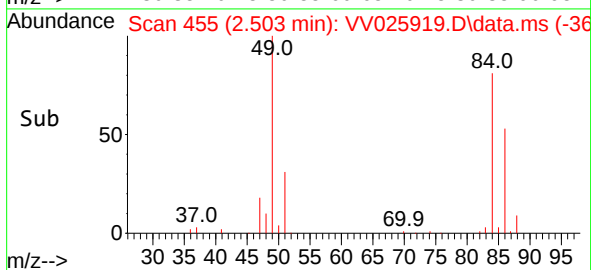
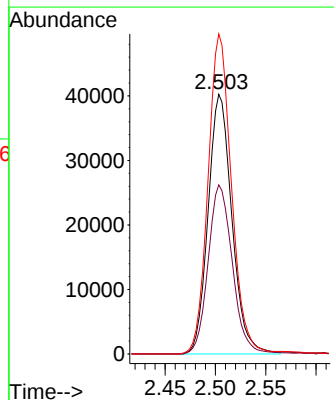
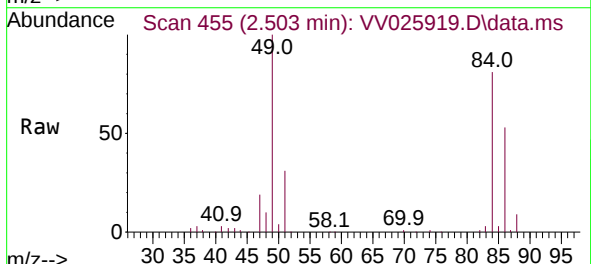
Instrument :
MSVOA_V
ClientSampleId :
VSTD005291

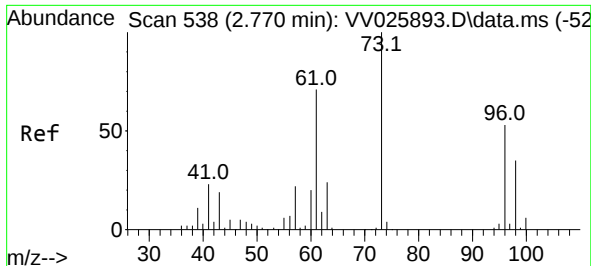
Tgt Ion: 43 Resp: 16212
Ion Ratio Lower Upper
43 100
74 28.2 23.3 34.9



#16
Methylene chloride
Concen: 4.185 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.003 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

Tgt Ion: 84 Resp: 66294
Ion Ratio Lower Upper
84 100
86 65.1 45.4 84.2
49 123.2 85.6 159.0

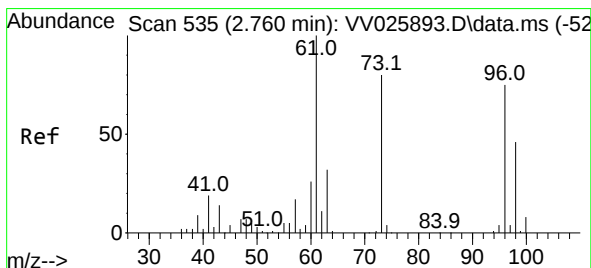
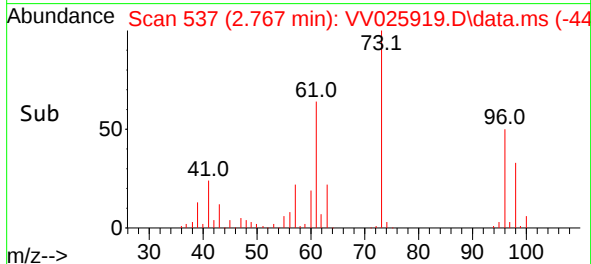
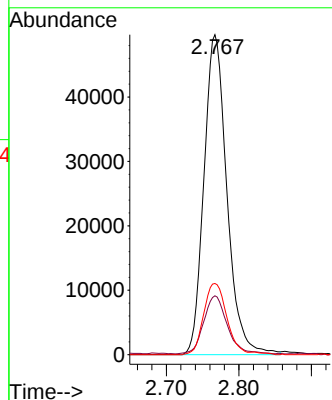
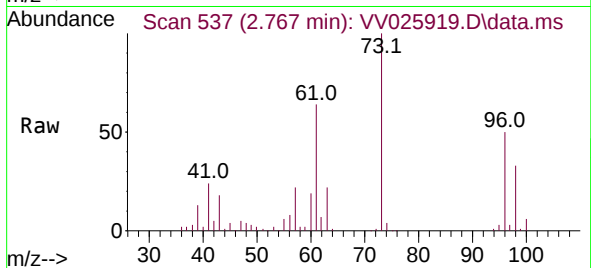




#17
Methyl tert-butyl Ether
Concen: 4.395 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

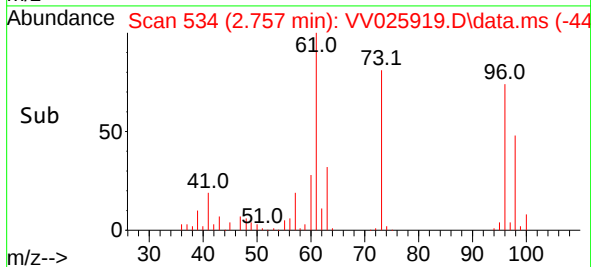
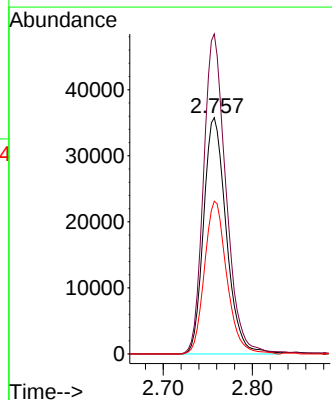
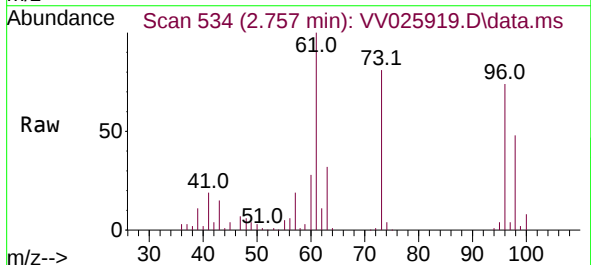
Instrument :
MSVOA_V
ClientSampleId :
VSTD005291

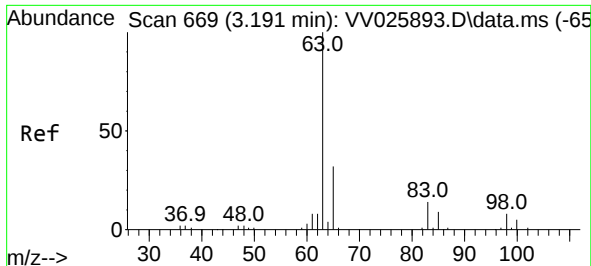
Tgt Ion: 73 Resp: 109437
Ion Ratio Lower Upper
73 100
43 18.5 14.6 22.0
57 22.2 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.649 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.003 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

Tgt Ion: 96 Resp: 63258
Ion Ratio Lower Upper
96 100
61 135.4 93.6 173.8
98 64.7 42.8 79.4





#19

1,1-Dichloroethane

Concen: 4.693 ug/L

RT: 3.185 min Scan# 667

Delta R.T. -0.003 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD005291

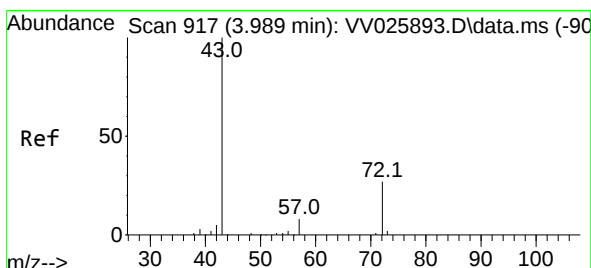
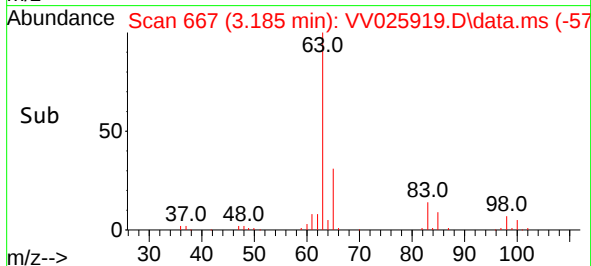
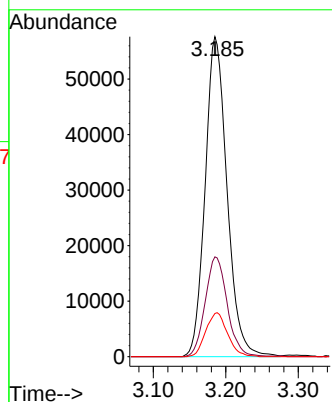
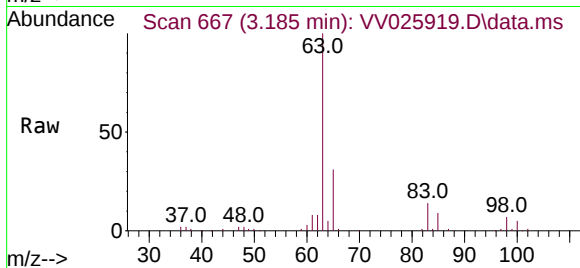
Tgt Ion: 63 Resp: 120909

Ion Ratio Lower Upper

63 100

65 31.2 22.3 41.5

83 13.5 10.0 18.6



#21

2-Butanone

Concen: 49.346 ug/L

RT: 3.985 min Scan# 916

Delta R.T. -0.003 min

Lab File: VV025919.D

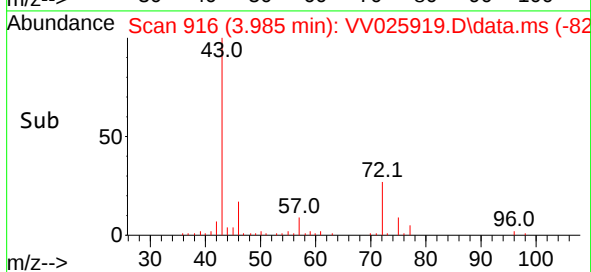
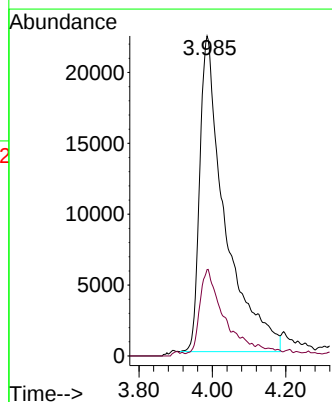
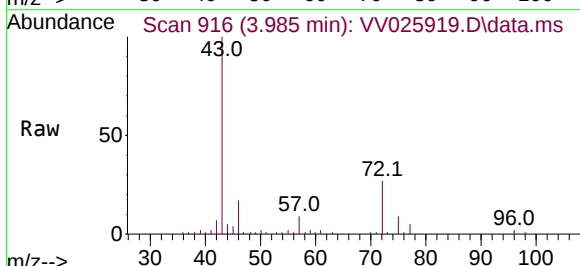
Acq: 17 May 2022 10:32

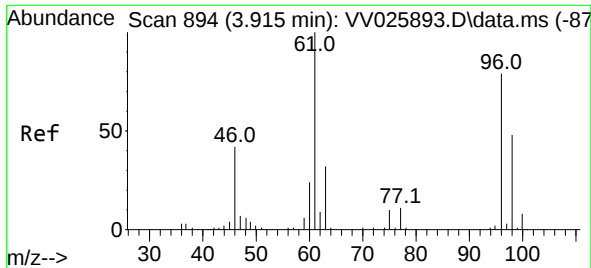
Tgt Ion: 43 Resp: 106096

Ion Ratio Lower Upper

43 100

72 21.0 10.5 31.6

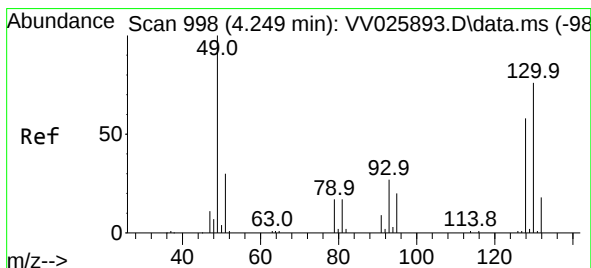
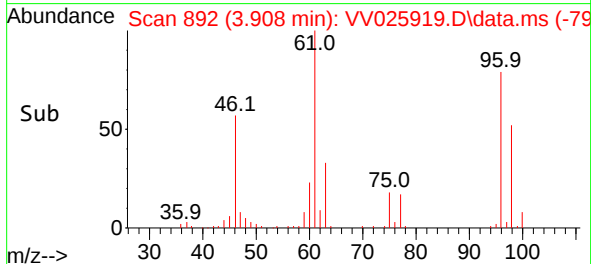
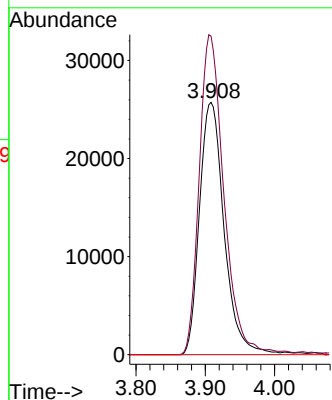
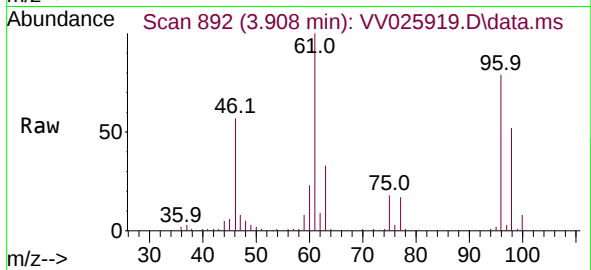




#22
 cis-1,2-Dichloroethene
 Concen: 4.569 ug/L
 RT: 3.908 min Scan# 894
 Delta R.T. 0.000 min
 Lab File: VV025919.D
 Acq: 17 May 2022 10:32

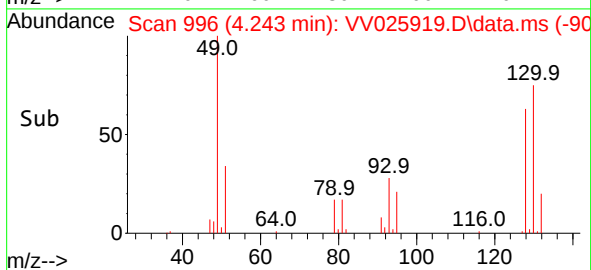
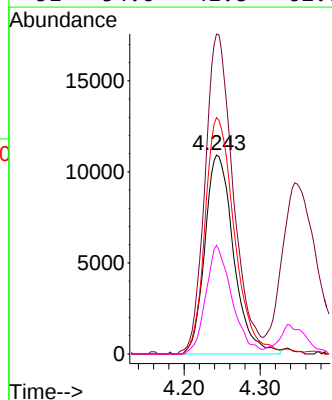
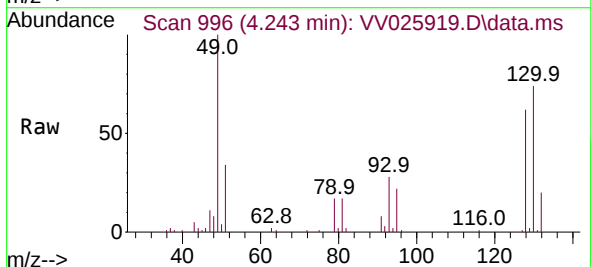
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005291

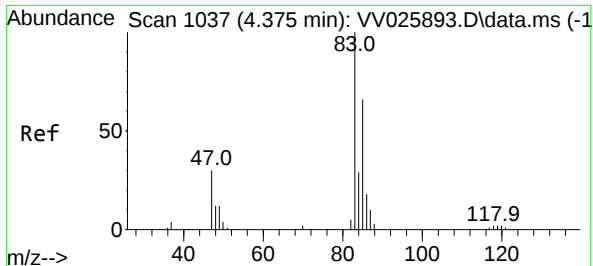
Tgt Ion: 96 Resp: 63512
 Ion Ratio Lower Upper
 96 100
 61 126.2 88.9 165.1
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.864 ug/L
 RT: 4.243 min Scan# 996
 Delta R.T. -0.003 min
 Lab File: VV025919.D
 Acq: 17 May 2022 10:32

Tgt Ion: 128 Resp: 28600
 Ion Ratio Lower Upper
 128 100
 49 160.9 121.0 224.8
 130 118.8 90.8 168.6
 51 54.6 41.8 62.6





#25

Chloroform

Concen: 4.791 ug/L

RT: 4.371 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

Instrument :

MSVOA_V

ClientSampleId :

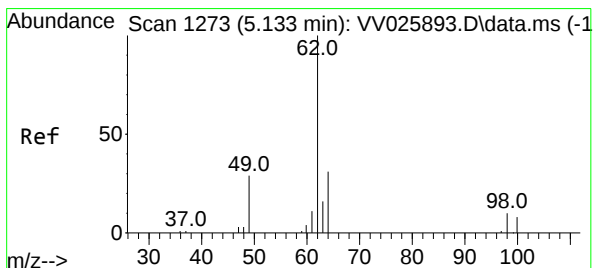
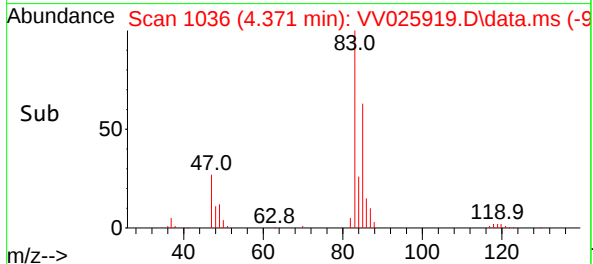
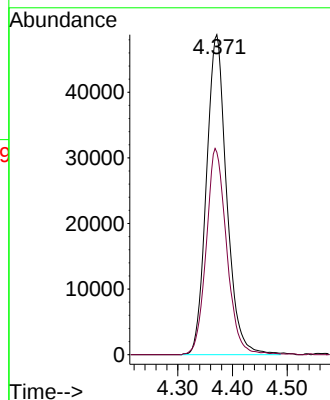
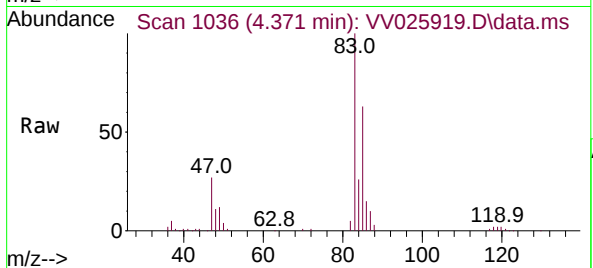
VSTD005291

Tgt Ion: 83 Resp: 125111

Ion Ratio Lower Upper

83 100

85 63.2 46.1 85.7



#27

1,2-Dichloroethane

Concen: 4.580 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VV025919.D

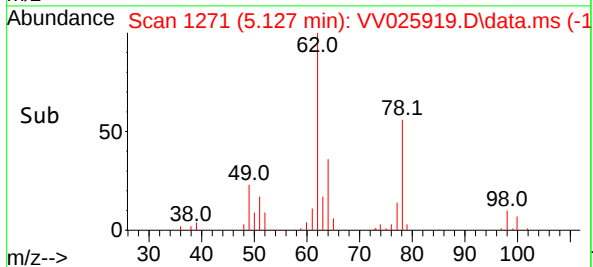
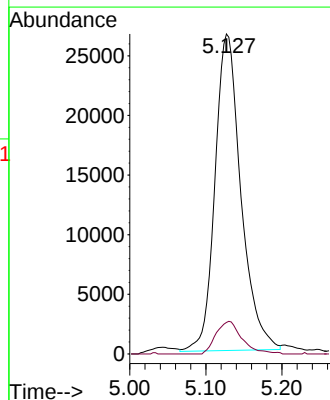
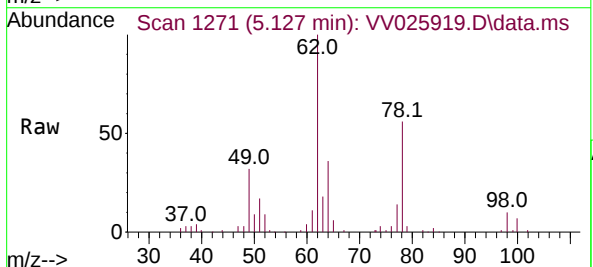
Acq: 17 May 2022 10:32

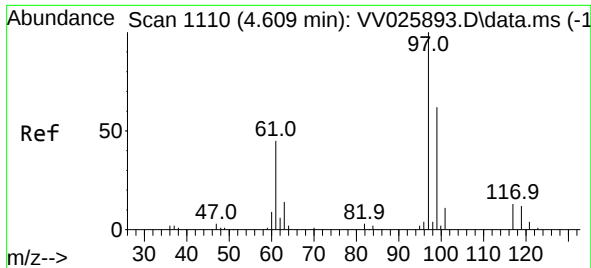
Tgt Ion: 62 Resp: 63041

Ion Ratio Lower Upper

62 100

98 9.9 7.9 11.9





#29

1,1,1-Trichloroethane

Concen: 4.690 ug/L

RT: 4.603 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD005291

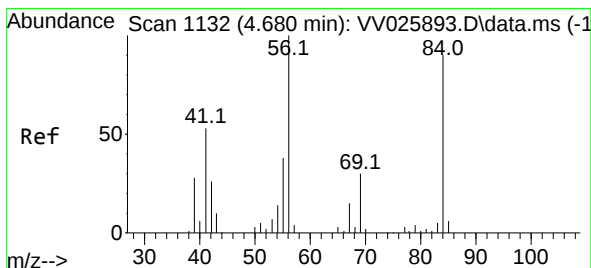
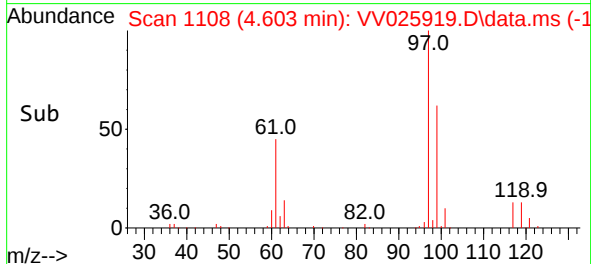
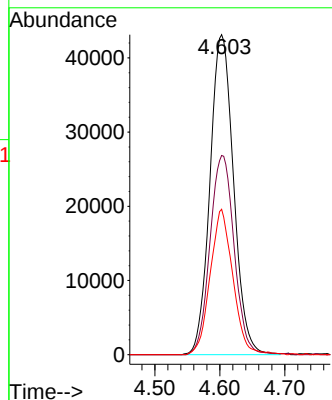
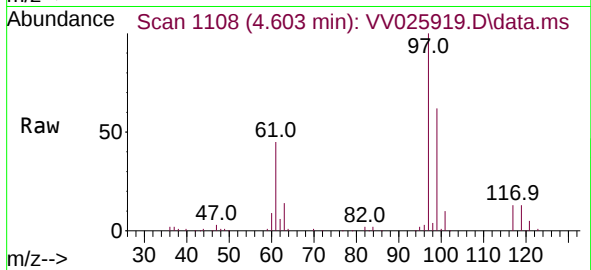
Tgt Ion: 97 Resp: 108870

Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.6

61 43.8 36.3 54.5



#30

Cyclohexane

Concen: 4.163 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

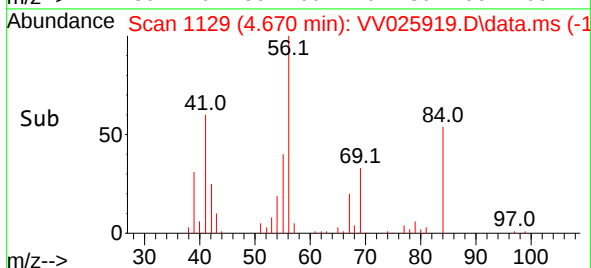
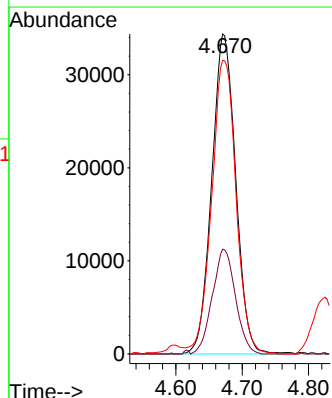
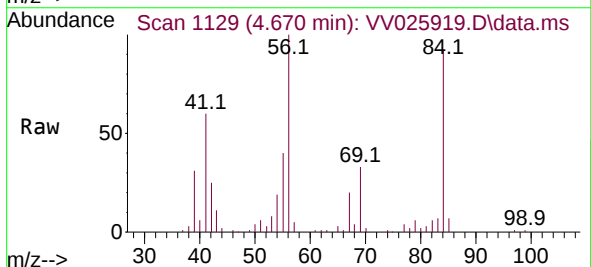
Tgt Ion: 56 Resp: 86058

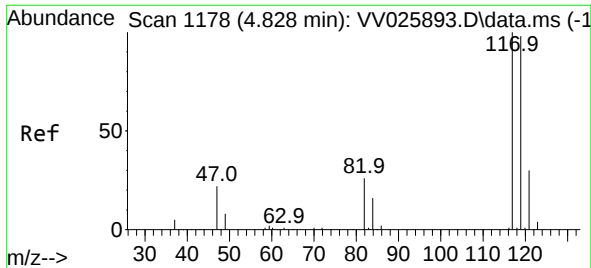
Ion Ratio Lower Upper

56 100

69 31.7 24.6 37.0

84 93.8 75.0 112.4

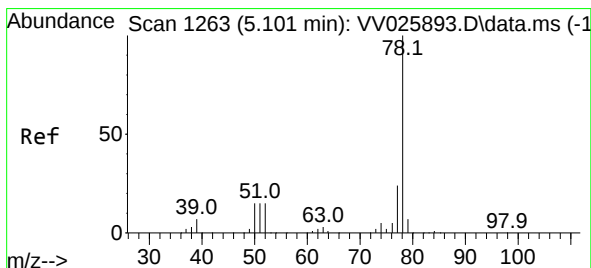
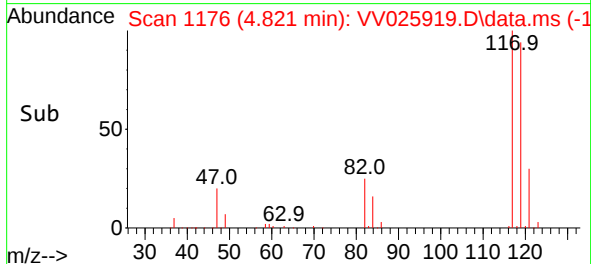
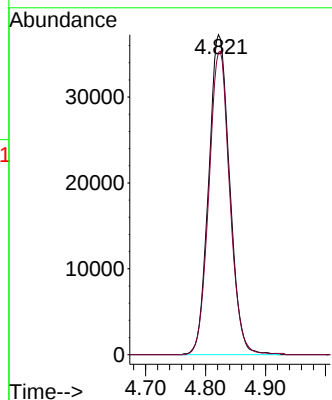
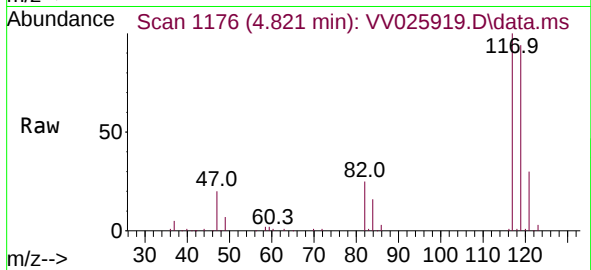




#31
Carbon tetrachloride
Concen: 4.610 ug/L
RT: 4.821 min Scan# 1178
Delta R.T. -0.003 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

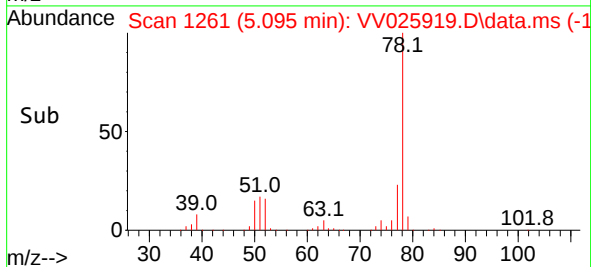
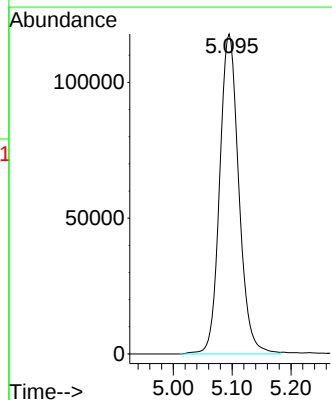
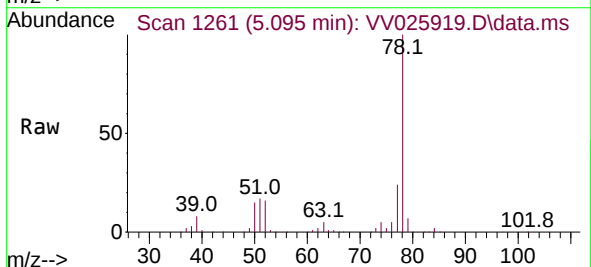
Instrument :
MSVOA_V
ClientSampleId :
VSTD005291

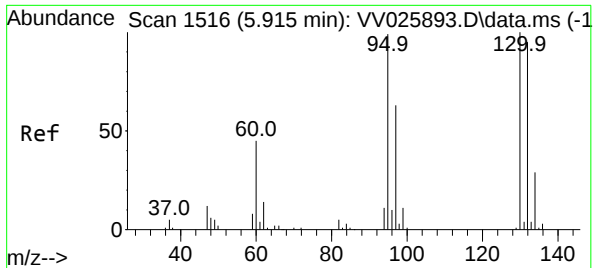
Tgt Ion:117 Resp: 90578
Ion Ratio Lower Upper
117 100
119 94.1 77.0 115.6



#33
Benzene
Concen: 4.624 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

Tgt Ion: 78 Resp: 266580





#34

Trichloroethene

Concen: 4.484 ug/L

RT: 5.908 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD005291

Tgt Ion: 95 Resp: 66018

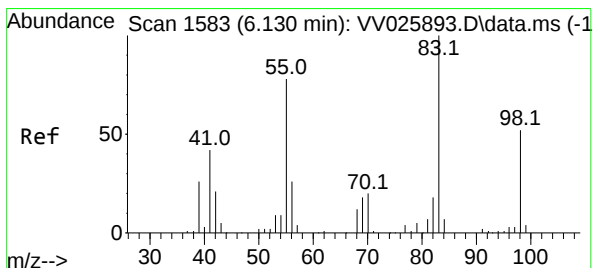
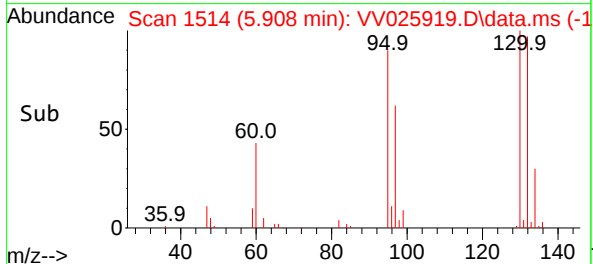
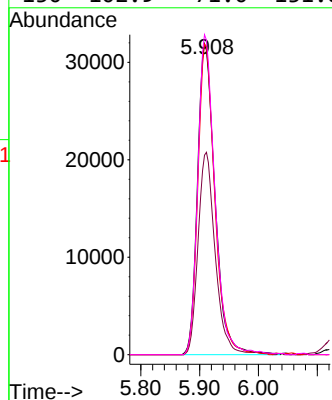
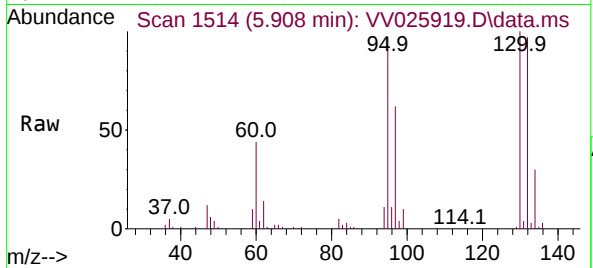
Ion Ratio Lower Upper

95 100

97 64.2 44.9 83.3

132 99.9 67.6 125.6

130 102.9 71.0 131.8



#35

Methylcyclohexane

Concen: 4.448 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. 0.000 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

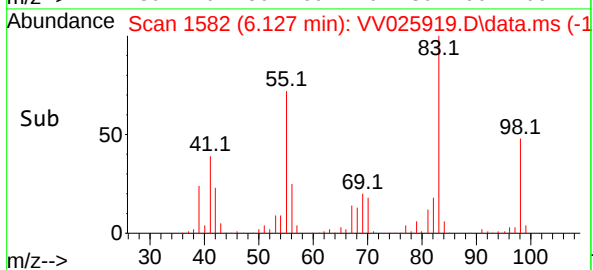
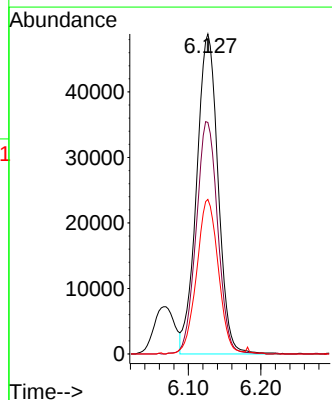
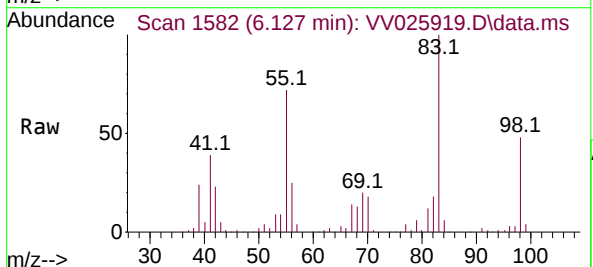
Tgt Ion: 83 Resp: 100537

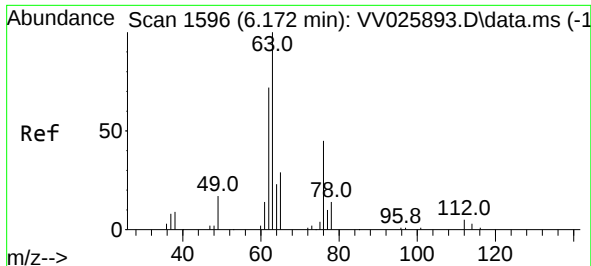
Ion Ratio Lower Upper

83 100

55 72.7 60.1 90.1

98 48.7 40.6 61.0





#37

1,2-Dichloropropane

Concen: 4.740 ug/L

RT: 6.169 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

Instrument :

MSVOA_V

ClientSampleId :

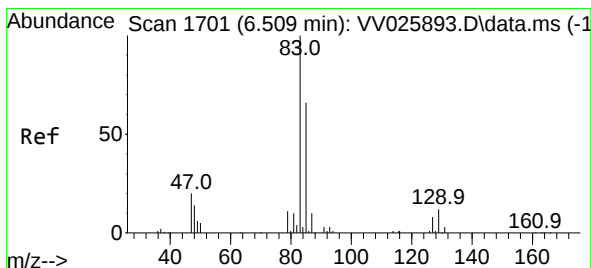
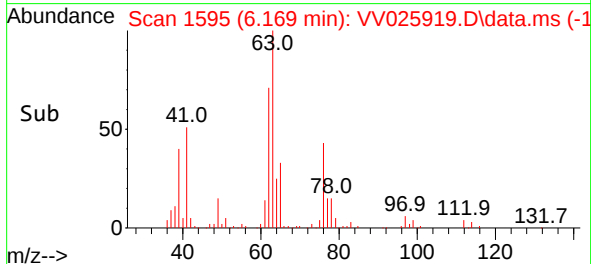
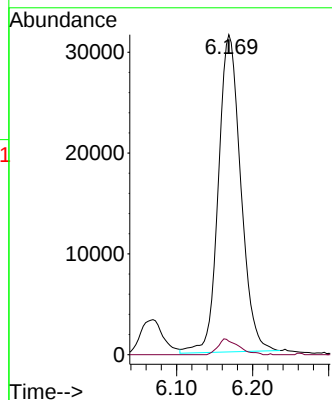
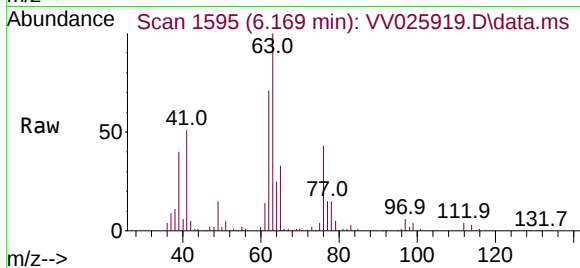
VSTD005291

Tgt Ion: 63 Resp: 64455

Ion Ratio Lower Upper

63 100

112 4.5 3.9 5.9



#38

Bromodichloromethane

Concen: 4.535 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

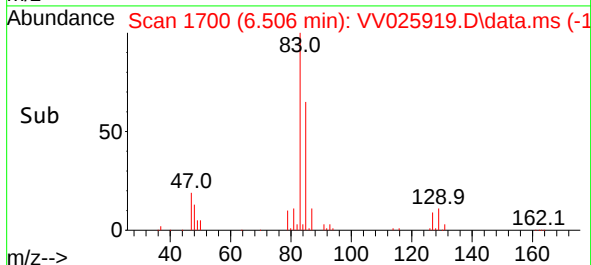
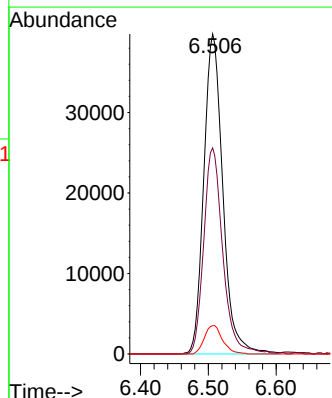
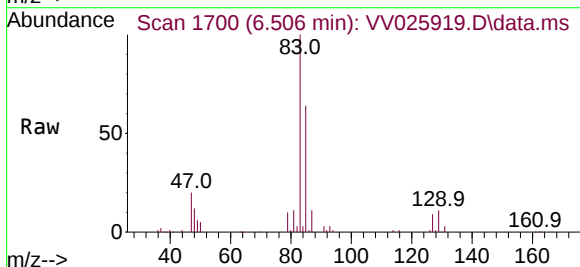
Tgt Ion: 83 Resp: 77506

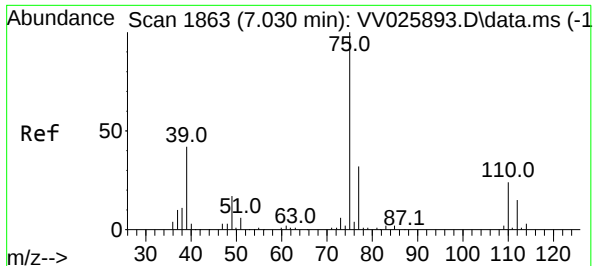
Ion Ratio Lower Upper

83 100

85 64.4 46.1 85.5

127 8.9 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 3.861 ug/L

RT: 7.024 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

Instrument :

MSVOA_V

ClientSampleId :

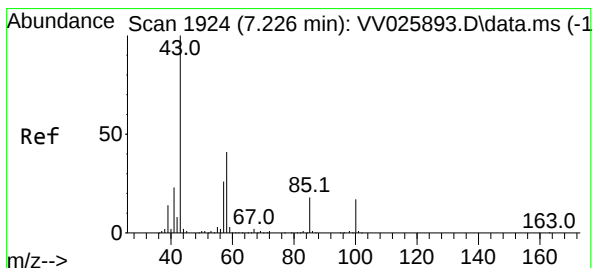
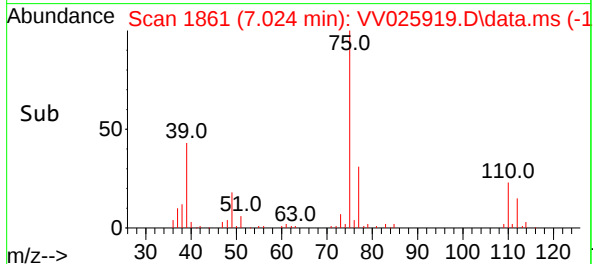
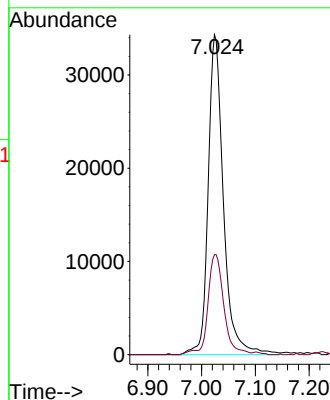
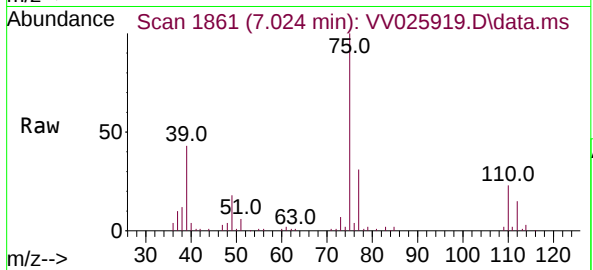
VSTD005291

Tgt Ion: 75 Resp: 67769

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 44.005 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

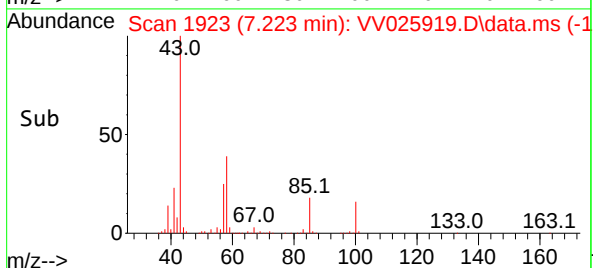
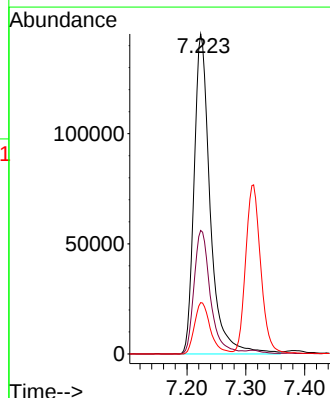
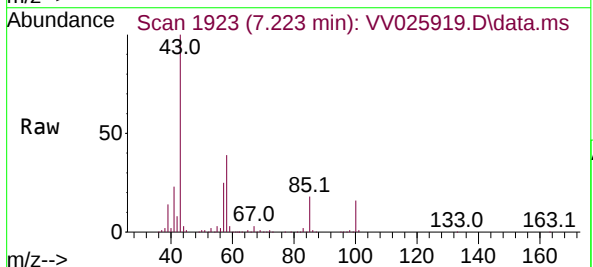
Tgt Ion: 43 Resp: 276792

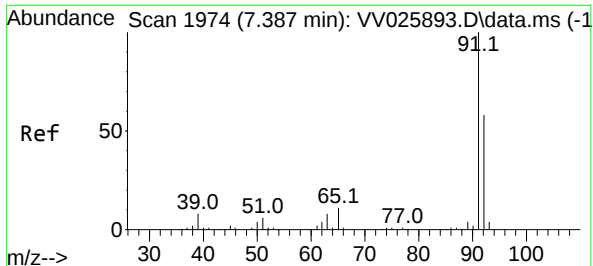
Ion Ratio Lower Upper

43 100

58 39.3 31.6 47.4

100 15.9 12.2 18.4





#42

Toluene

Concen: 4.711 ug/L

RT: 7.384 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

Instrument :

MSVOA_V

ClientSampleId :

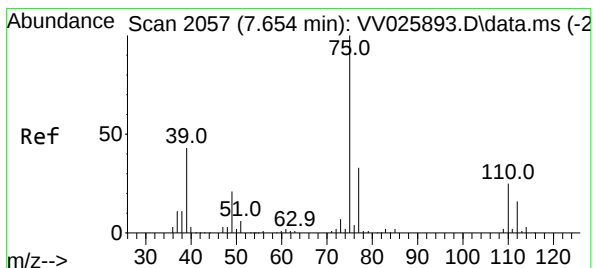
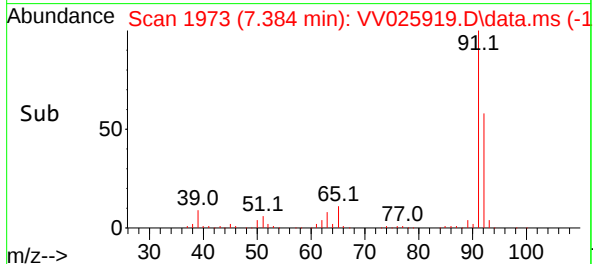
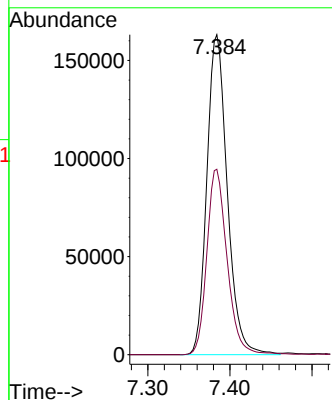
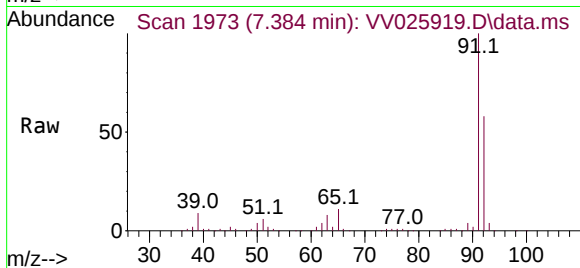
VSTD005291

Tgt Ion: 91 Resp: 282710

Ion Ratio Lower Upper

91 100

92 58.0 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 3.930 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV025919.D

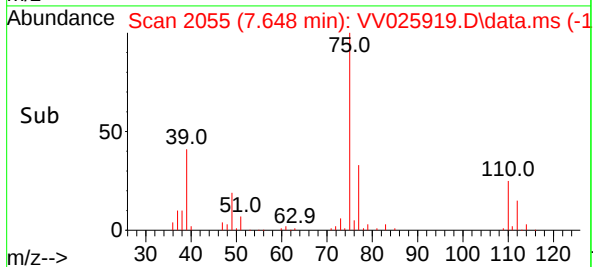
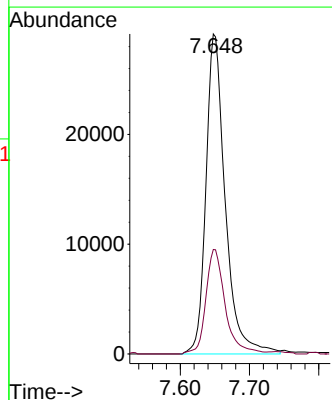
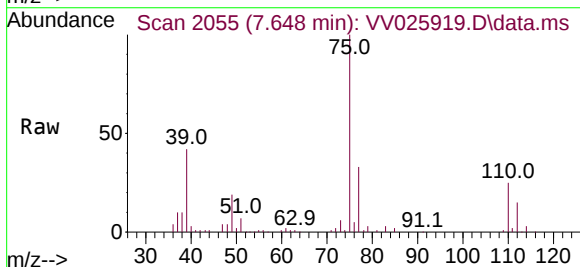
Acq: 17 May 2022 10:32

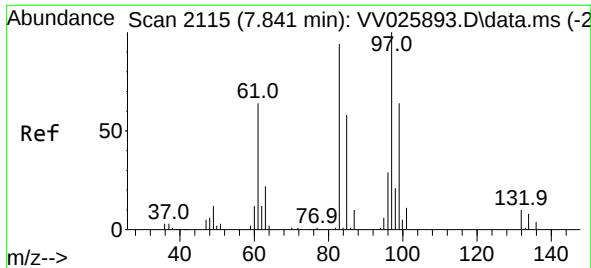
Tgt Ion: 75 Resp: 56275

Ion Ratio Lower Upper

75 100

77 32.6 23.1 42.9



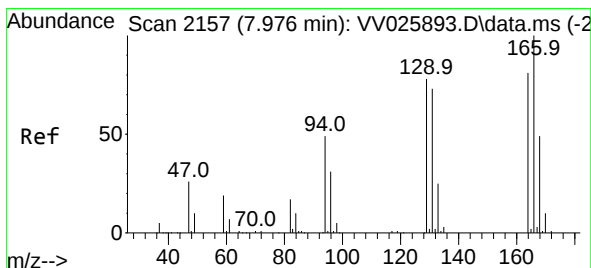
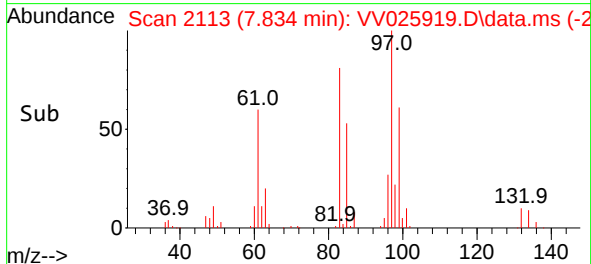
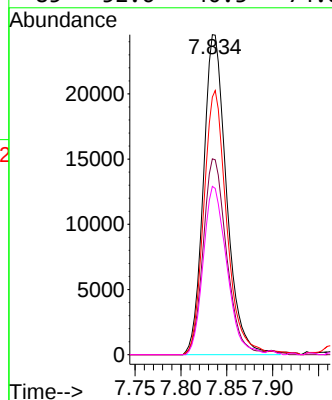
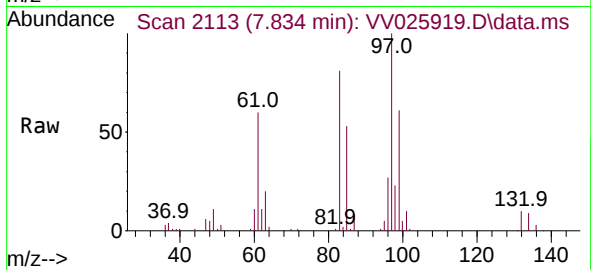


#45
1,1,2-Trichloroethane
Concen: 4.618 ug/L
RT: 7.834 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD005291

Tgt Ion: 97 Resp: 43110

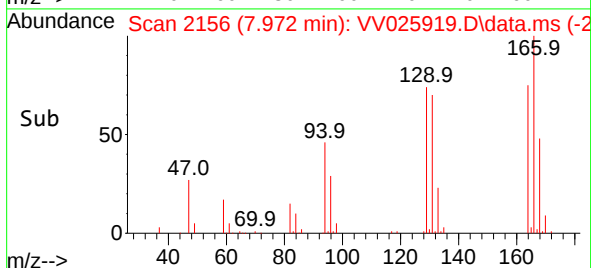
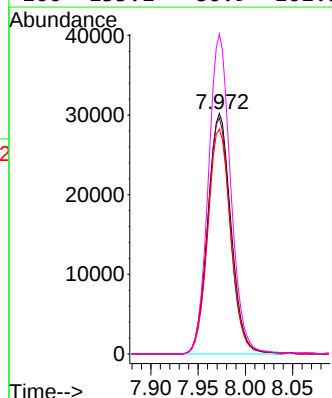
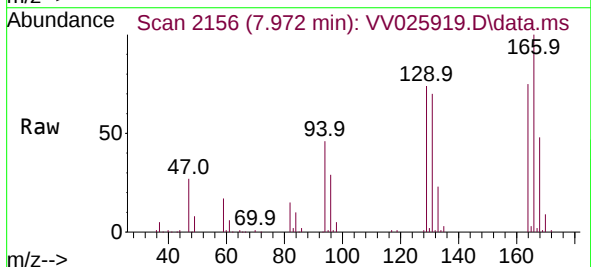
Ion	Ratio	Lower	Upper
97	100		
99	61.2	44.8	83.2
83	80.5	65.7	121.9
85	52.6	40.3	74.8

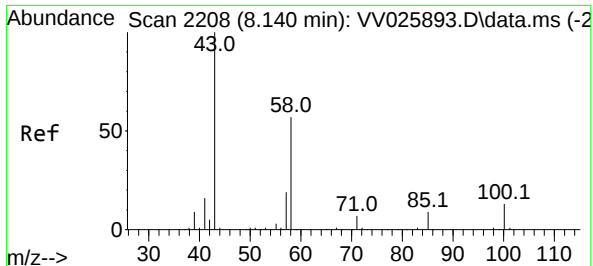


#47
Tetrachloroethene
Concen: 4.522 ug/L
RT: 7.972 min Scan# 2156
Delta R.T. 0.000 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

Tgt Ion: 164 Resp: 51584

Ion	Ratio	Lower	Upper
164	100		
129	98.1	67.5	125.4
131	93.5	63.8	118.4
166	133.1	86.9	161.3

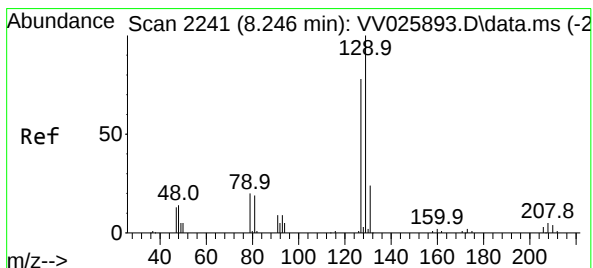
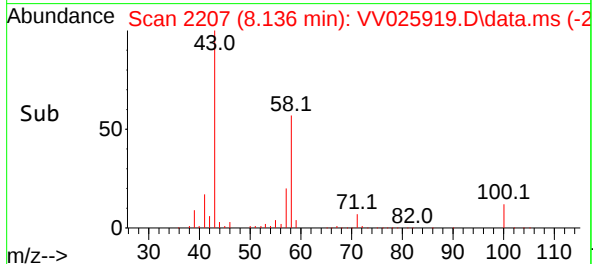
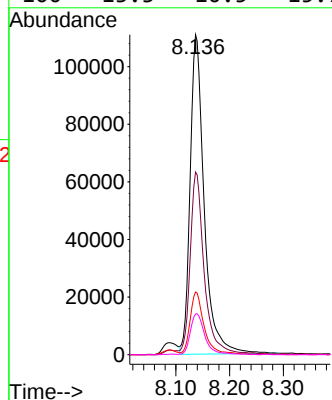
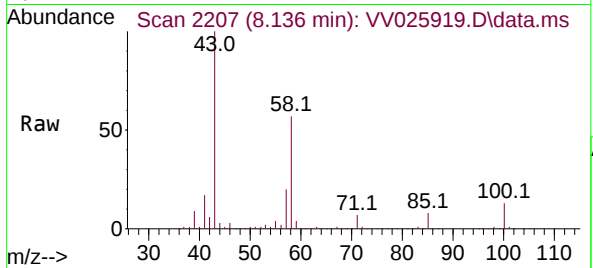




#48
2-Hexanone
Concen: 45.466 ug/L
RT: 8.136 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

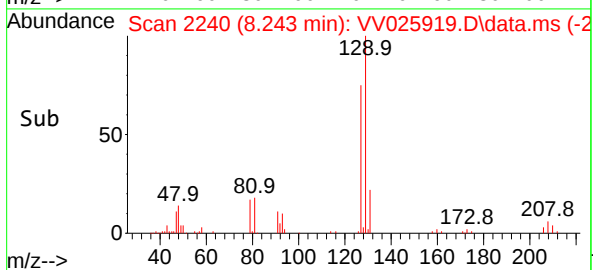
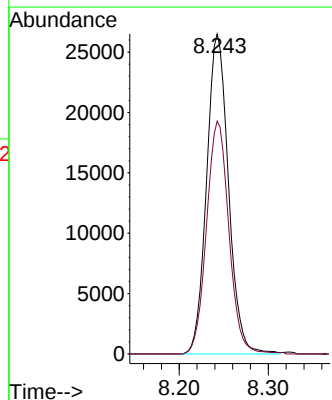
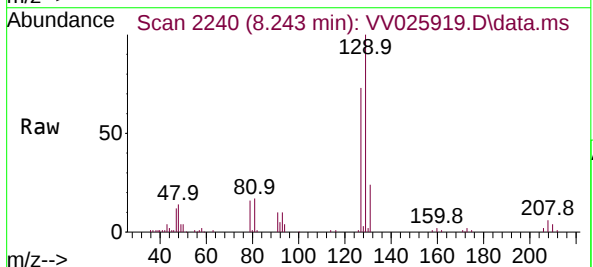
Instrument :
MSVOA_V
ClientSampleId :
VSTD005291

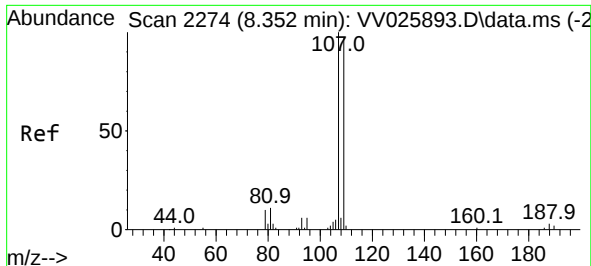
Tgt Ion: 43 Resp: 202167
Ion Ratio Lower Upper
43 100
58 55.5 44.7 67.1
57 19.9 14.9 22.3
100 13.3 10.5 15.7



#49
Dibromochloromethane
Concen: 4.428 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.000 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

Tgt Ion: 129 Resp: 45166
Ion Ratio Lower Upper
129 100
127 72.7 54.5 101.1





#50

1,2-Dibromoethane

Concen: 4.433 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

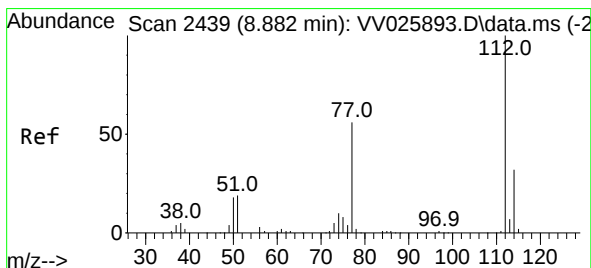
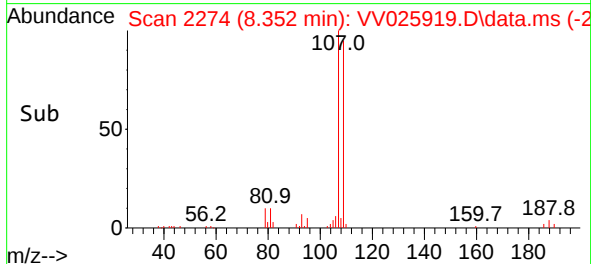
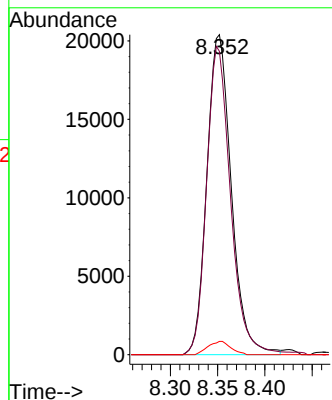
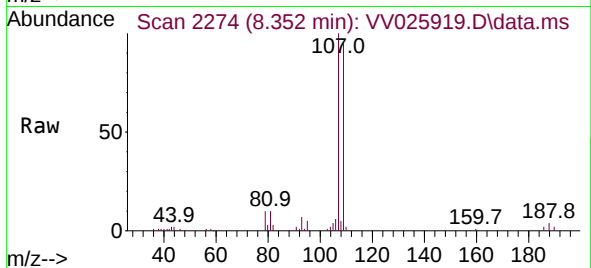
Instrument :

MSVOA_V

ClientSampleId :

VSTD005291

Tgt Ion:	107	Resp:	36784
Ion	Ratio	Lower	Upper
107	100		
109	94.8	68.1	126.5
188	4.1	2.7	4.1#



#51

Chlorobenzene

Concen: 4.474 ug/L

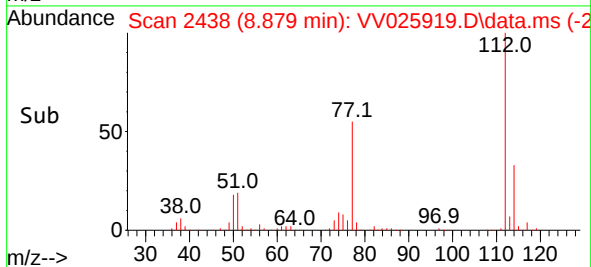
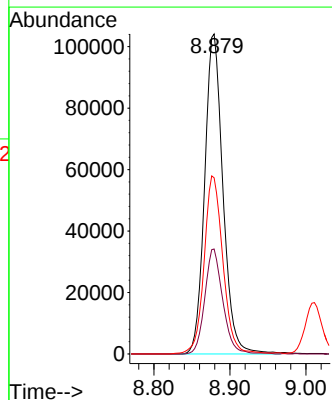
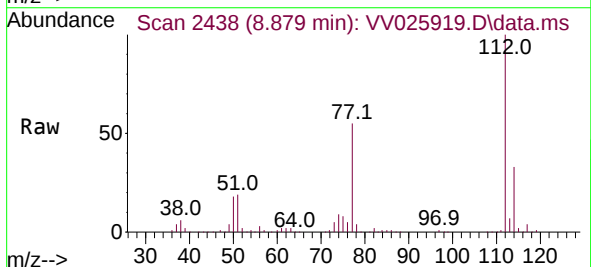
RT: 8.879 min Scan# 2438

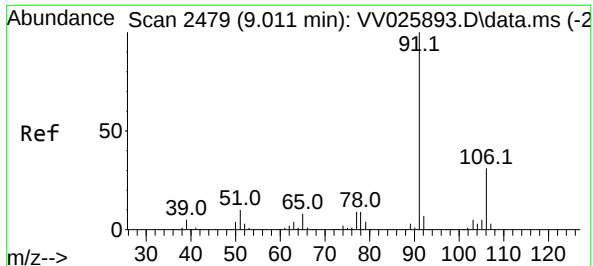
Delta R.T. 0.000 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

Tgt Ion:	112	Resp:	174166
Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.3	41.3
77	55.0	45.3	67.9





#52

Ethylbenzene

Concen: 4.434 ug/L

RT: 9.008 min Scan# 2479

Delta R.T. 0.000 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

Instrument :

MSVOA_V

ClientSampleId :

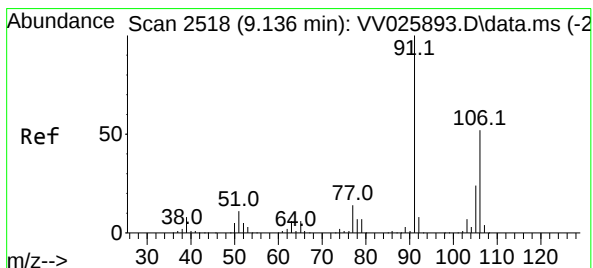
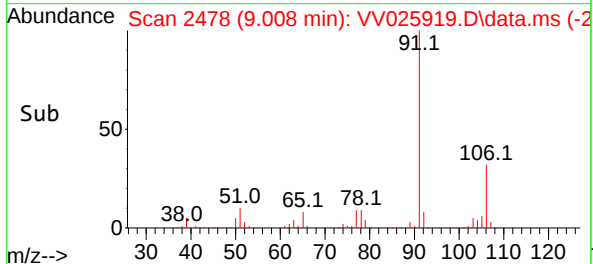
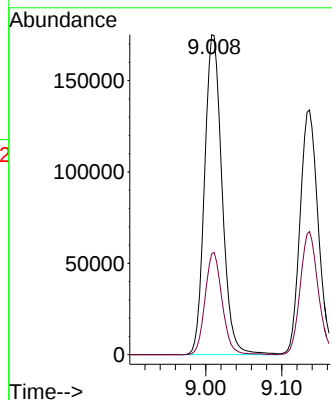
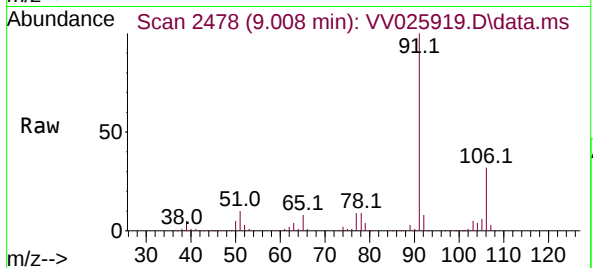
VSTD005291

Tgt Ion: 91 Resp: 279847

Ion Ratio Lower Upper

91 100

106 31.5 21.6 40.0



#53

m,p-Xylene

Concen: 4.595 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV025919.D

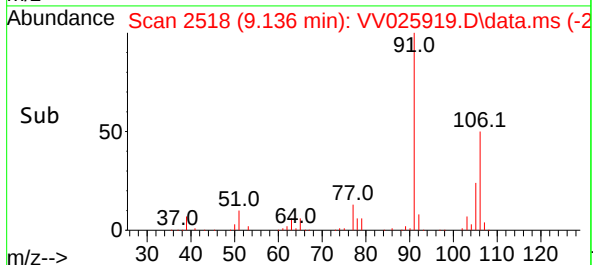
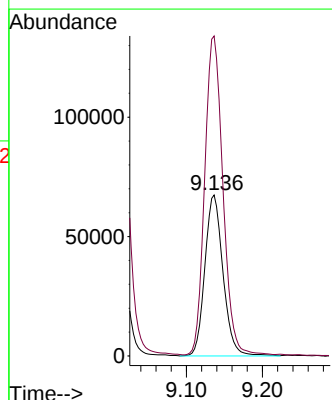
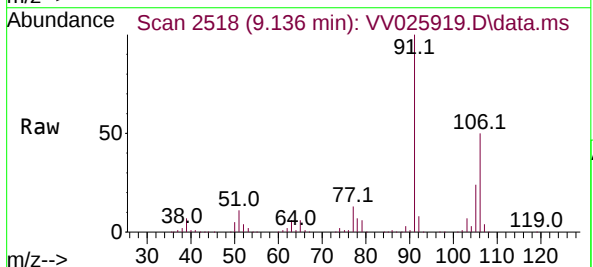
Acq: 17 May 2022 10:32

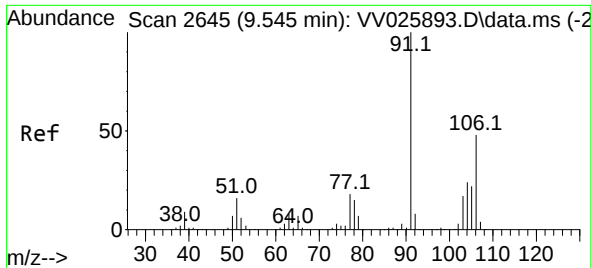
Tgt Ion:106 Resp: 112006

Ion Ratio Lower Upper

106 100

91 198.7 135.3 251.3

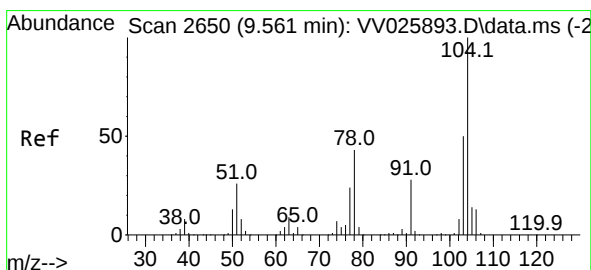
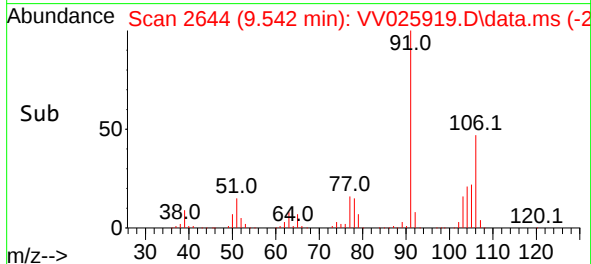
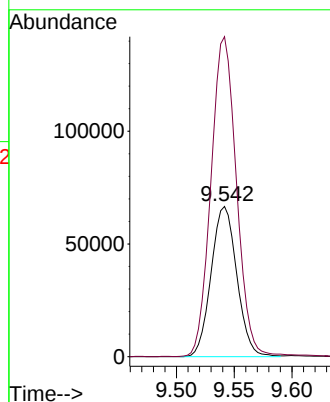
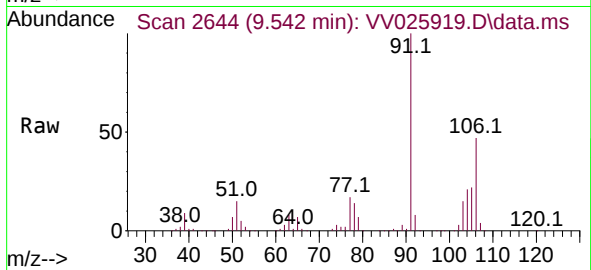




#54
o-Xylene
Concen: 4.447 ug/L
RT: 9.542 min Scan# 2645
Delta R.T. 0.000 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

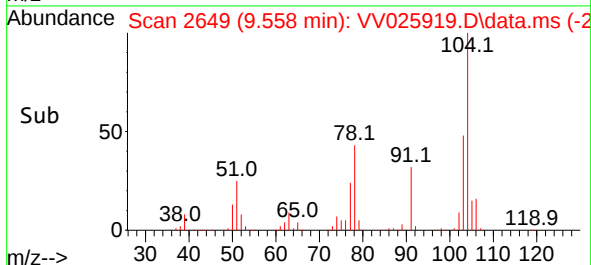
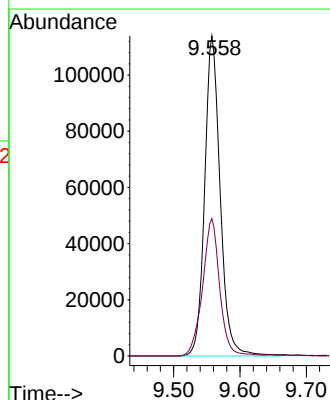
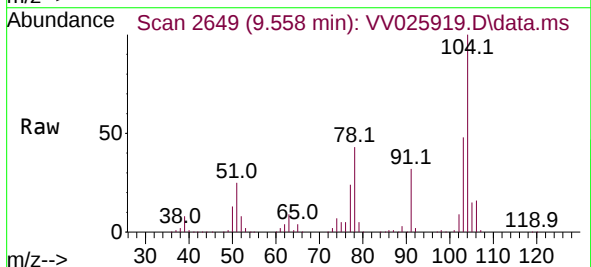
Instrument :
MSVOA_V
ClientSampleId :
VSTD005291

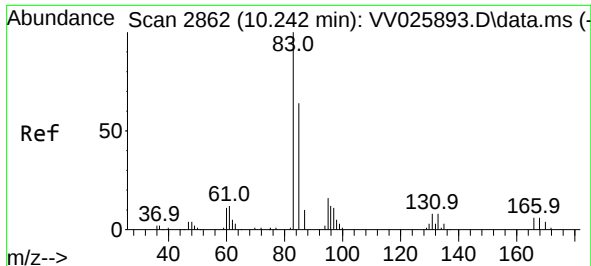
Tgt Ion:106 Resp: 103236
Ion Ratio Lower Upper
106 100
91 212.9 145.1 269.5



#55
Styrene
Concen: 4.760 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

Tgt Ion:104 Resp: 185663
Ion Ratio Lower Upper
104 100
78 42.9 30.0 55.8





#57

1,1,2,2-Tetrachloroethane

Concen: 4.659 ug/L

RT: 10.239 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD005291

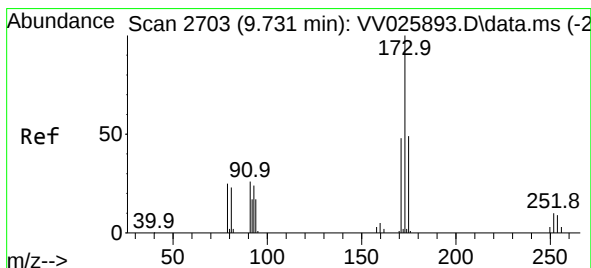
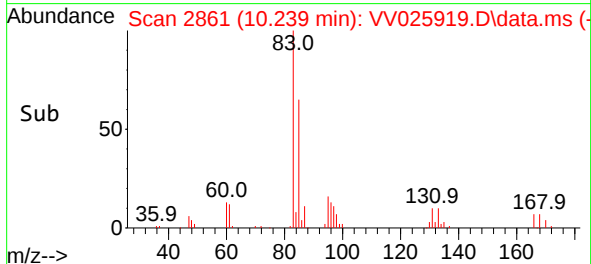
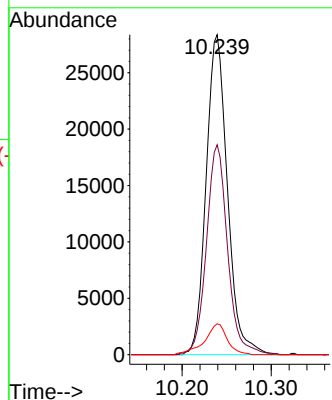
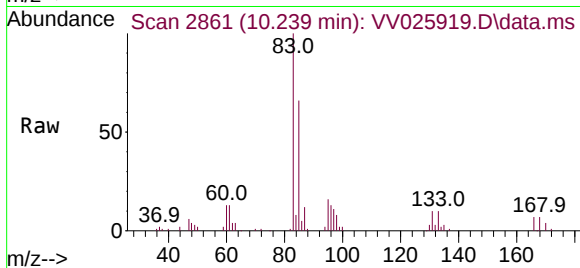
Tgt Ion: 83 Resp: 46986

Ion Ratio Lower Upper

83 100

85 65.6 44.5 82.7

131 9.7 6.7 10.1



#59

Bromoform

Concen: 3.968 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. 0.000 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

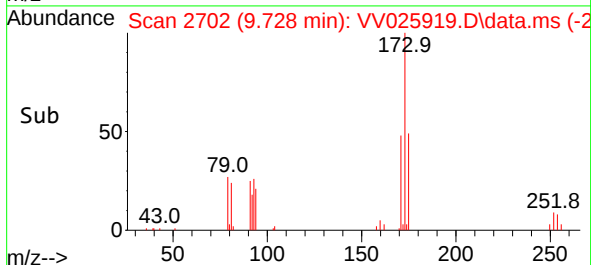
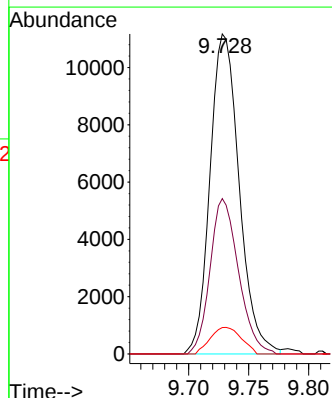
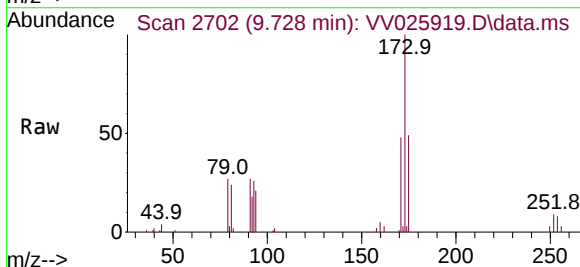
Tgt Ion: 173 Resp: 18894

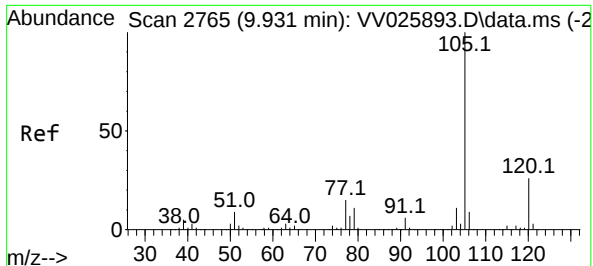
Ion Ratio Lower Upper

173 100

175 47.3 39.4 59.2

254 8.8 7.0 10.6

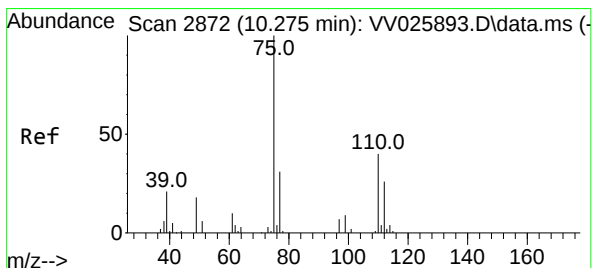
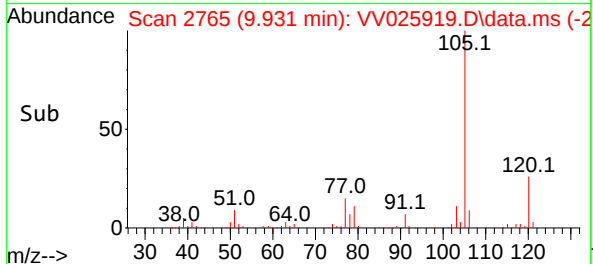
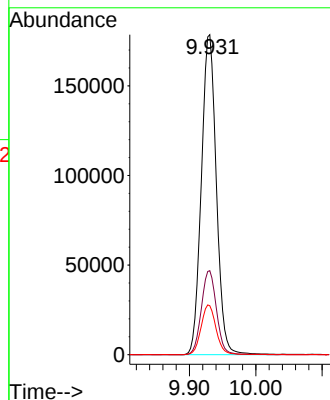
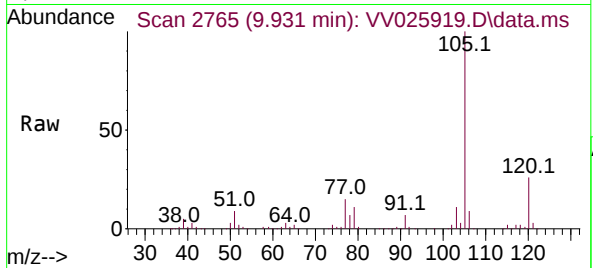




#60
Isopropylbenzene
Concen: 4.570 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

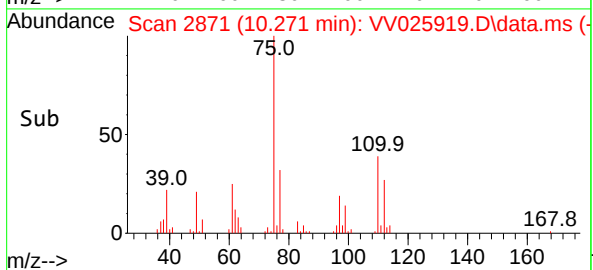
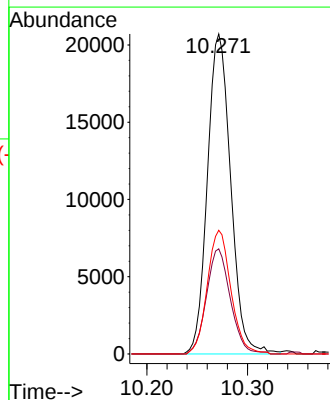
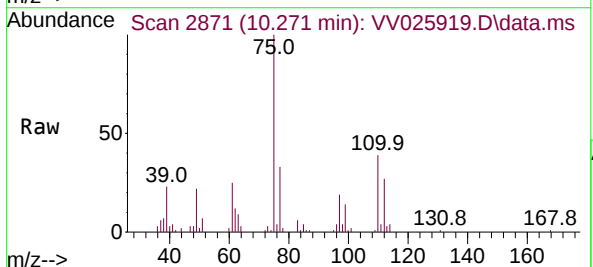
Instrument :
MSVOA_V
ClientSampleId :
VSTD005291

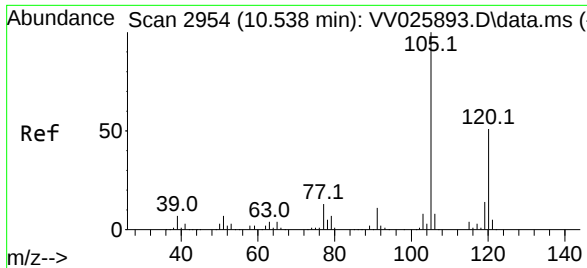
Tgt Ion:105 Resp: 280404
Ion Ratio Lower Upper
105 100
120 26.5 20.7 31.1
77 15.5 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 4.363 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

Tgt Ion: 75 Resp: 33350
Ion Ratio Lower Upper
75 100
77 33.6 26.2 39.2
110 39.2 32.4 48.6

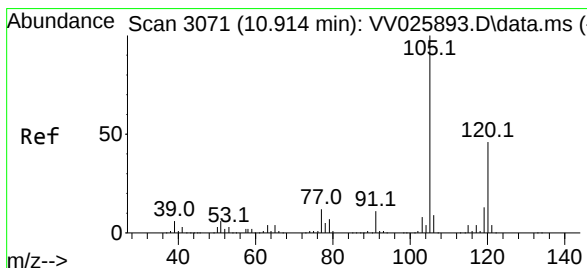
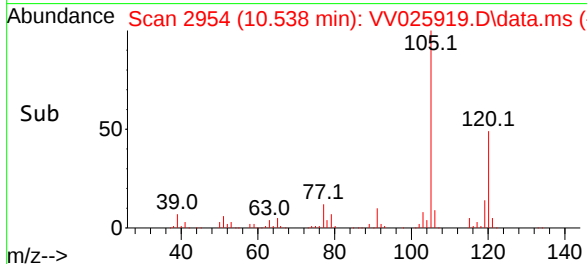
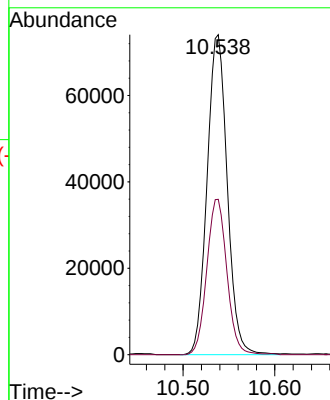
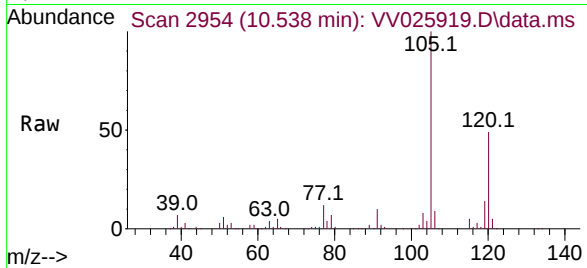




#62
 1,3,5-Trimethylbenzene
 Concen: 4.316 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. 0.003 min
 Lab File: VV025919.D
 Acq: 17 May 2022 10:32

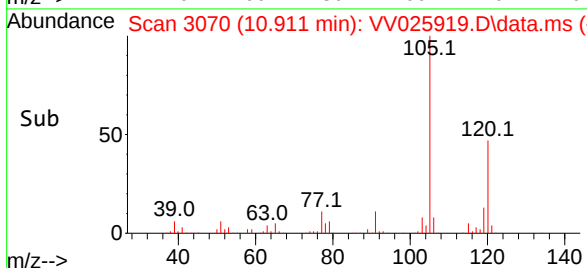
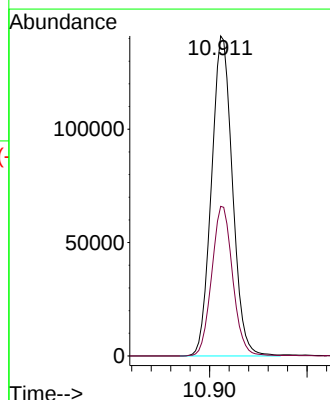
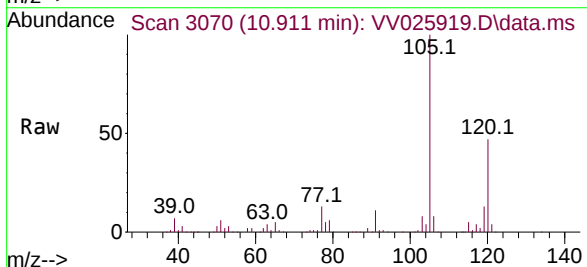
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005291

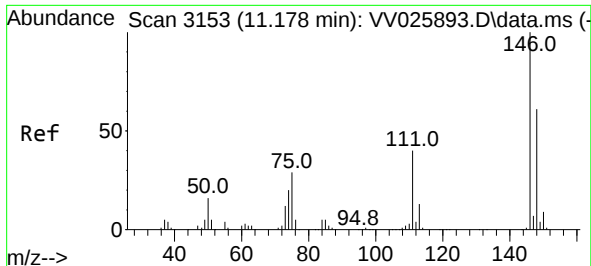
Tgt Ion:105 Resp: 113098
 Ion Ratio Lower Upper
 105 100
 120 48.3 40.4 60.6



#63
 1,2,4-Trimethylbenzene
 Concen: 4.388 ug/L
 RT: 10.911 min Scan# 3070
 Delta R.T. 0.000 min
 Lab File: VV025919.D
 Acq: 17 May 2022 10:32

Tgt Ion:105 Resp: 210831
 Ion Ratio Lower Upper
 105 100
 120 46.7 36.8 55.2

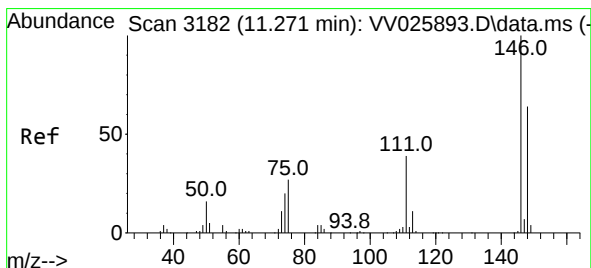
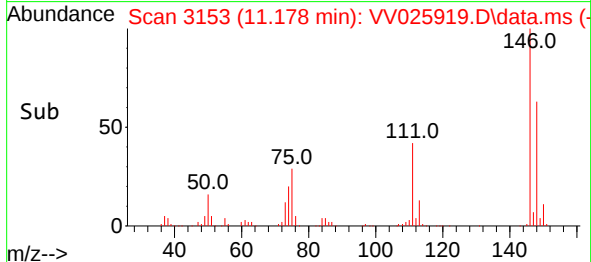
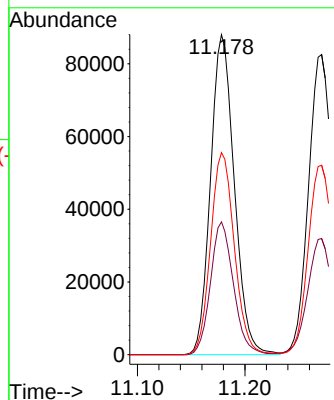
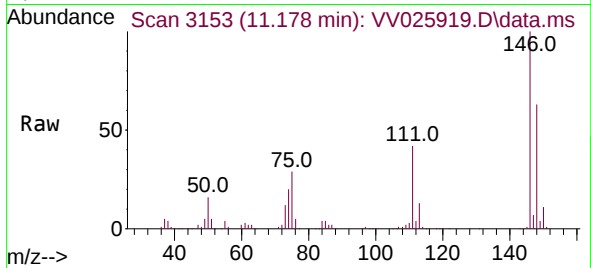




#64
1,3-Dichlorobenzene
Concen: 4.659 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

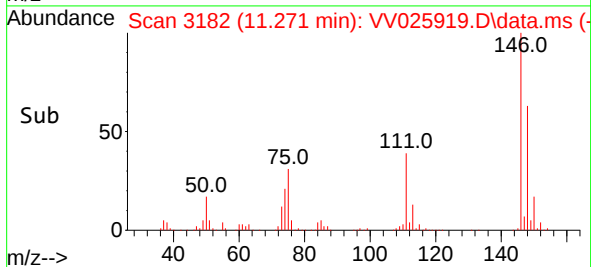
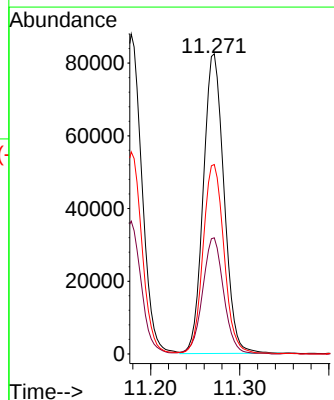
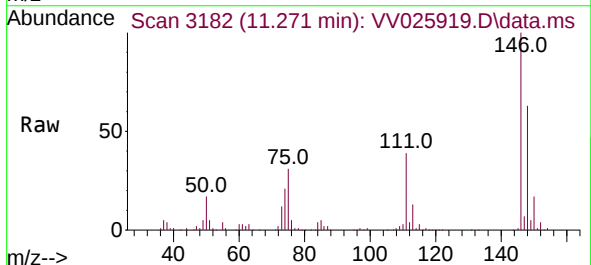
Instrument :
MSVOA_V
ClientSampleId :
VSTD005291

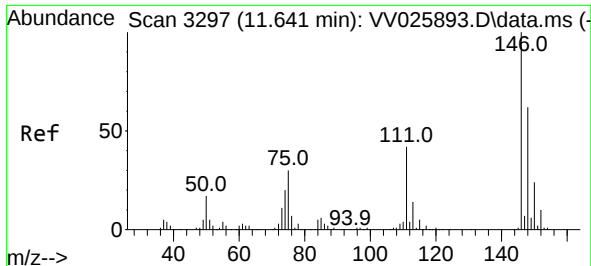
Tgt Ion:146 Resp: 135245
Ion Ratio Lower Upper
146 100
111 41.5 28.2 52.4
148 63.1 42.6 79.0



#65
1,4-Dichlorobenzene
Concen: 4.498 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

Tgt Ion:146 Resp: 132942
Ion Ratio Lower Upper
146 100
111 38.7 27.5 51.1
148 63.1 44.7 82.9

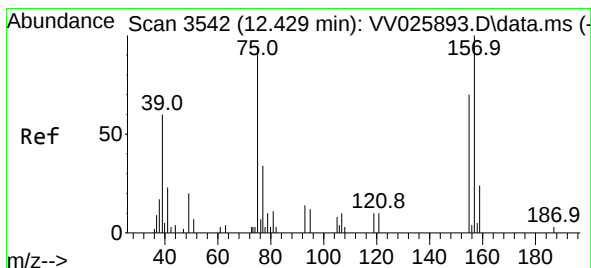
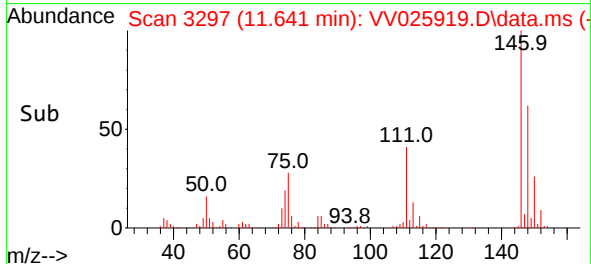
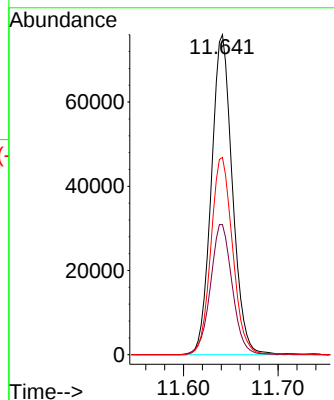
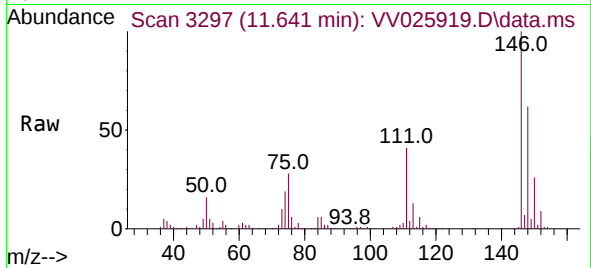




#67
1,2-Dichlorobenzene
Concen: 4.510 ug/L
RT: 11.641 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

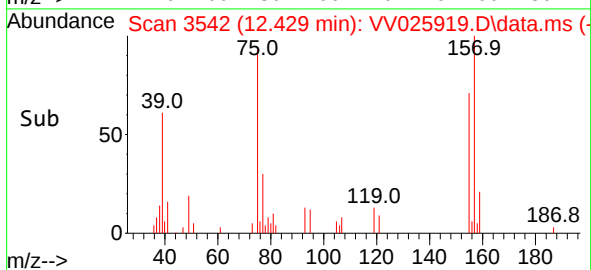
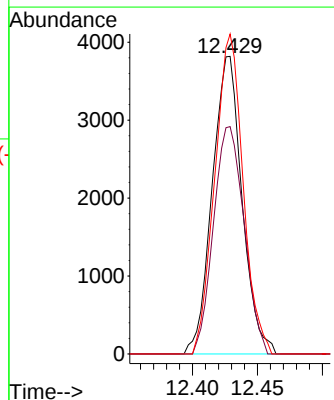
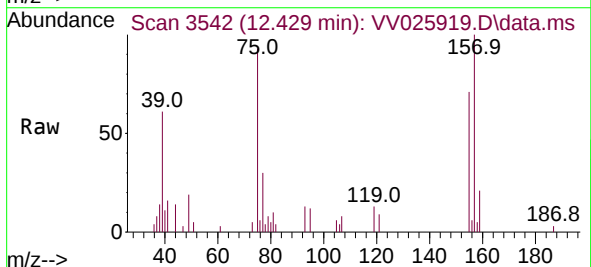
Instrument :
MSVOA_V
ClientSampleId :
VSTD005291

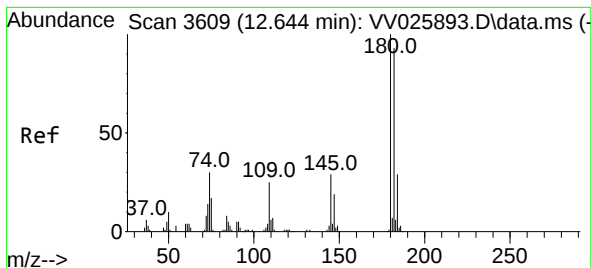
Tgt Ion:146 Resp: 117634
Ion Ratio Lower Upper
146 100
111 40.7 33.6 50.4
148 61.6 49.4 74.2



#68
1,2-Dibromo-3-chloropropane
Concen: 4.110 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. 0.003 min
Lab File: VV025919.D
Acq: 17 May 2022 10:32

Tgt Ion: 75 Resp: 6085
Ion Ratio Lower Upper
75 100
155 76.4 59.6 89.4
157 107.5 85.3 127.9





#69

1,3,5-Trichlorobenzene

Concen: 4.340 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. 0.003 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD005291

Tgt Ion:180 Resp: 93846

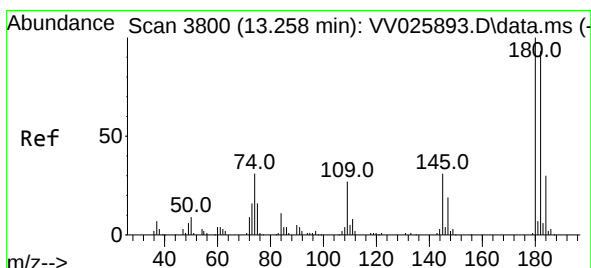
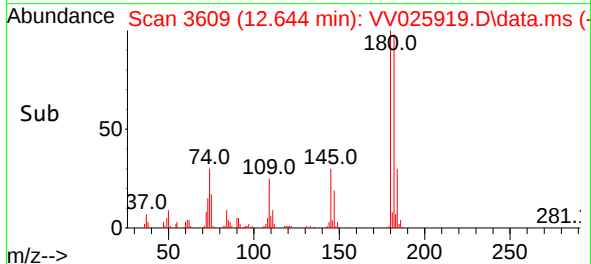
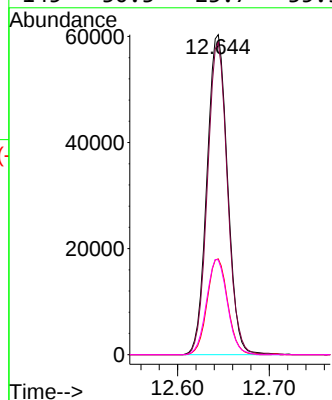
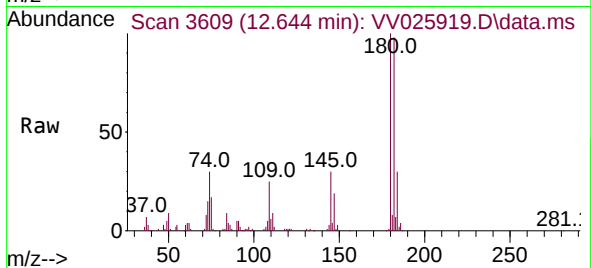
Ion Ratio Lower Upper

180 100

182 95.0 74.3 111.5

184 30.0 23.5 35.3

145 30.3 23.7 35.5



#70

1,2,4-trichlorobenzene

Concen: 4.104 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

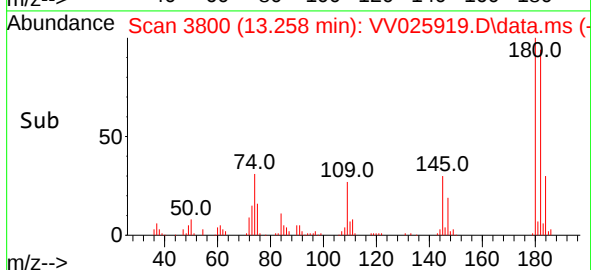
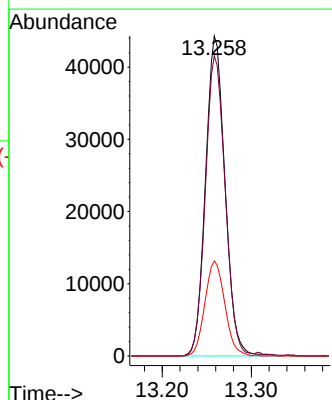
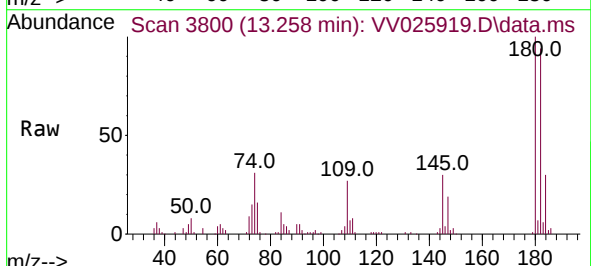
Tgt Ion:180 Resp: 67325

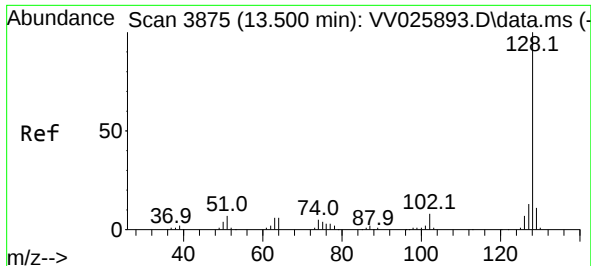
Ion Ratio Lower Upper

180 100

182 95.1 75.0 112.4

145 30.3 25.1 37.7





#71
Naphthalene

Concen: 3.666 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD005291

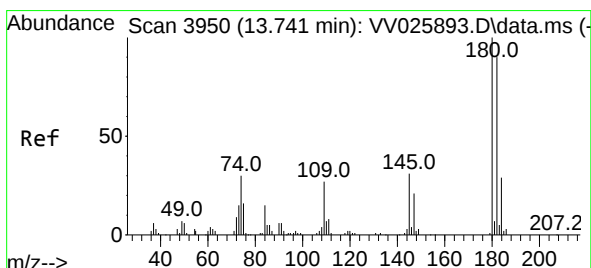
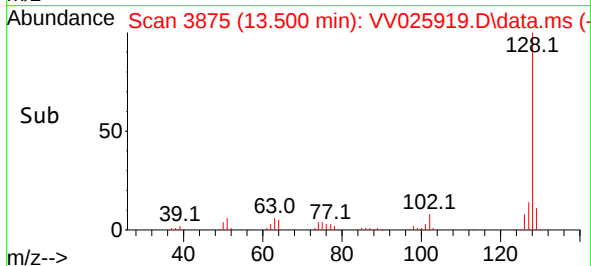
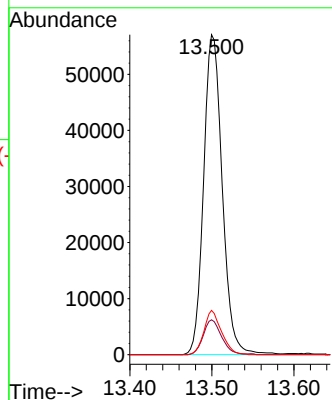
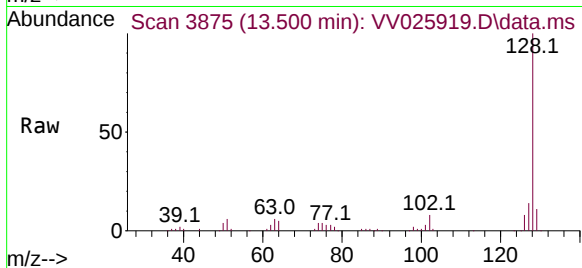
Tgt Ion:128 Resp: 90046

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

127 13.0 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.087 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV025919.D

Acq: 17 May 2022 10:32

Tgt Ion:180 Resp: 57921

Ion Ratio Lower Upper

180 100

182 92.9 73.5 110.3

145 32.8 25.9 38.9

