

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031323\
 Data File : VW030185.D
 Acq On : 13 Mar 2023 18:41
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005299

Quant Time: Mar 14 03:48:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Mar 14 03:44:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	160269	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	155788	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	94538	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	56656	5.463	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.200%
7) Chloroethane-d5	1.539	69	48196	4.951	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.000%
11) 1,1-Dichloroethene-d2	2.069	63	104499	4.901	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.000%
20) 2-Butanone-d5	3.822	46	84827	44.367	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.740%
24) Chloroform-d	4.262	84	104434	4.930	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
26) 1,2-Dichloroethane-d4	4.953	65	43436	5.023	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
32) Benzene-d6	4.973	84	199571	4.761	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	5.998	67	58506	4.639	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.800%
41) Toluene-d8	7.252	98	194065	4.884	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
43) trans-1,3-Dichloroprop...	7.561	79	21156	4.903	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.000%
46) 2-Hexanone-d5	8.037	63	79670	44.633	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.260%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	44328	4.941	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	11.570	152	72259	4.518	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	57374	4.400	ug/L	99
3) Chloromethane	1.217	50	73653	3.584	ug/L	99
5) Vinyl chloride	1.288	62	59580	4.363	ug/L	100
6) Bromomethane	1.494	94	16935	6.909	ug/L	99
8) Chloroethane	1.555	64	38028	4.571	ug/L	98
9) Trichlorofluoromethane	1.719	101	94347	4.815	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	58319	4.800	ug/L	99
12) 1,1-Dichloroethene	2.076	96	49108	4.566	ug/L	90
13) Acetone	2.150	43	58995	41.747	ug/L #	46
14) Carbon disulfide	2.249	76	112555	3.911	ug/L	100
15) Methyl Acetate	2.394	43	14431	4.372	ug/L	92
16) Methylene chloride	2.455	84	55957	4.259	ug/L	97
17) Methyl tert-butyl Ether	2.712	73	94127	4.475	ug/L	98
18) trans-1,2-Dichloroethene	2.703	96	46828	4.577	ug/L	98
19) 1,1-Dichloroethane	3.121	63	91855	4.819	ug/L	98
21) 2-Butanone	3.902	43	82927	43.634	ug/L	97
22) cis-1,2-Dichloroethene	3.828	96	51509	4.555	ug/L	100
23) Bromochloromethane	4.162	128	24322	5.033	ug/L	95
25) Chloroform	4.288	83	97906	4.938	ug/L	97

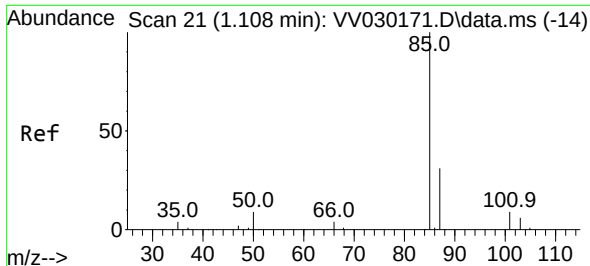
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031323\
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	50339	4.854	ug/L	99
29) 1,1,1-Trichloroethane	4.526	97	89079	4.868	ug/L	99
30) Cyclohexane	4.596	56	61182	3.869	ug/L	97
31) Carbon tetrachloride	4.744	117	78871	4.795	ug/L	99
33) Benzene	5.021	78	194017	4.560	ug/L	100
34) Trichloroethene	5.844	95	52330	4.389	ug/L	98
35) Methylcyclohexane	6.063	83	72953	4.043	ug/L	99
37) 1,2-Dichloropropane	6.104	63	51457	4.754	ug/L	99
38) Bromodichloromethane	6.442	83	66090	4.783	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	68573	4.328	ug/L	97
40) 4-Methyl-2-pentanone	7.169	43	211535	47.360	ug/L	99
42) Toluene	7.323	91	216662	4.702	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	56197	4.543	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	37906	4.894	ug/L	99
47) Tetrachloroethene	7.915	164	47113	4.604	ug/L	98
48) 2-Hexanone	8.085	43	151699	47.442	ug/L	99
49) Dibromochloromethane	8.185	129	45254	4.993	ug/L	98
50) 1,2-Dibromoethane	8.291	107	34309	4.748	ug/L	95
51) Chlorobenzene	8.821	112	146935	4.728	ug/L	98
52) Ethylbenzene	8.956	91	226882	4.524	ug/L	99
53) m,p-Xylene	9.082	106	89736	4.656	ug/L	98
54) o-Xylene	9.487	106	85084	4.621	ug/L	99
55) Styrene	9.503	104	149378	4.879	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.188	83	43658	5.039	ug/L	99
59) Bromoform	9.673	173	26230	4.629	ug/L	100
60) Isopropylbenzene	9.876	105	236497	4.348	ug/L	100
61) 1,2,3-Trichloropropane	10.220	75	28584	4.517	ug/L	96
62) 1,3,5-Trimethylbenzene	10.487	105	187314	4.192	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	197041	4.311	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	128277	4.529	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	128735	4.505	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	116678	4.665	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.374	75	6164	4.362	ug/L	95
69) 1,3,5-Trichlorobenzene	12.593	180	98576	4.234	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	77262	4.096	ug/L	99
71) Naphthalene	13.448	128	95700	3.882	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	65714	4.232	ug/L	100

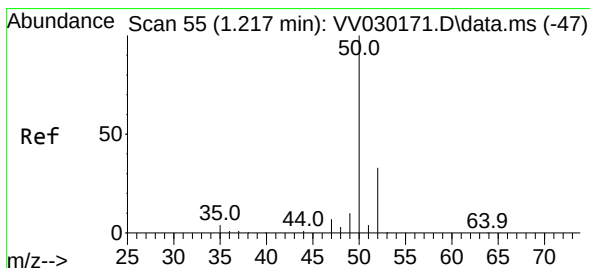
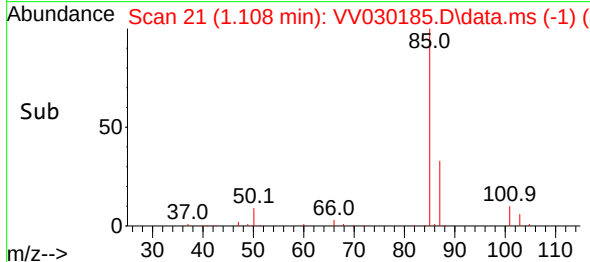
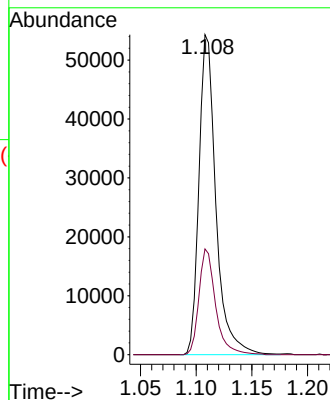
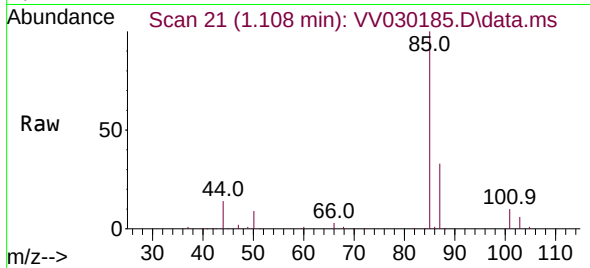
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.400 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030185.D
 Acq: 13 Mar 2023 18:41

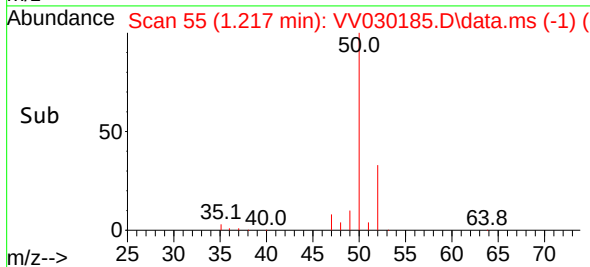
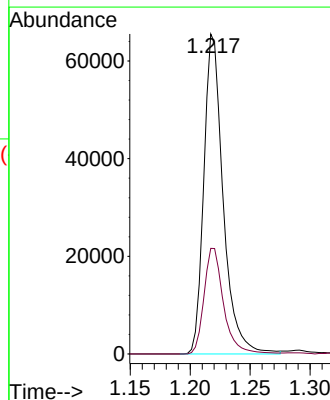
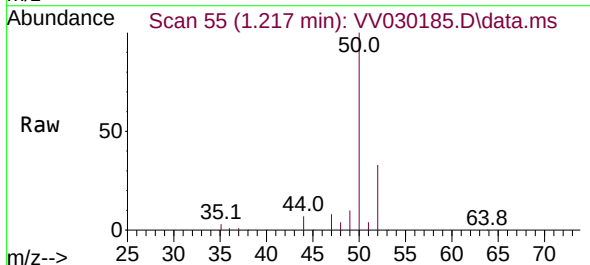
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005299

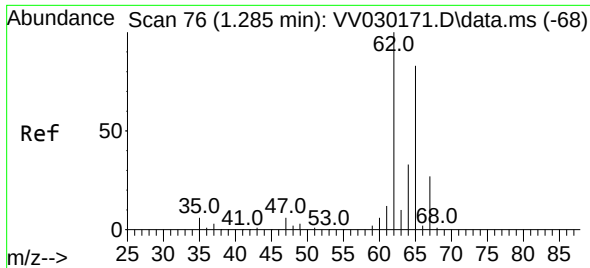
Tgt Ion: 85 Resp: 57374
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.6 39.8



#3
 Chloromethane
 Concen: 3.584 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030185.D
 Acq: 13 Mar 2023 18:41

Tgt Ion: 50 Resp: 73653
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.6 43.8

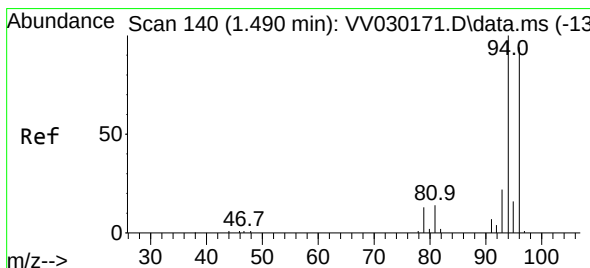
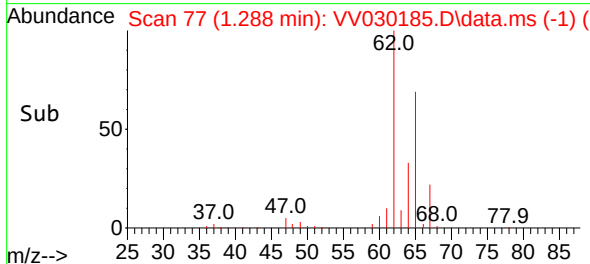
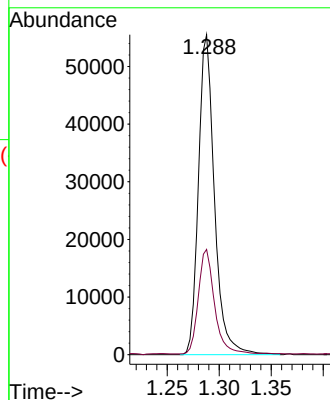
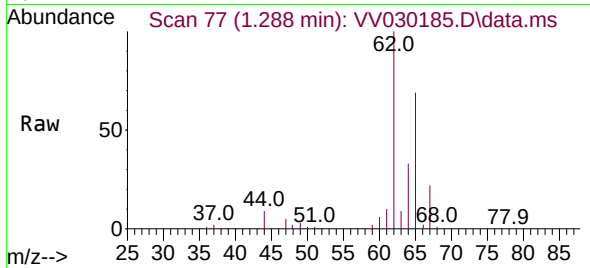




#5
 Vinyl chloride
 Concen: 4.363 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV030185.D
 Acq: 13 Mar 2023 18:41

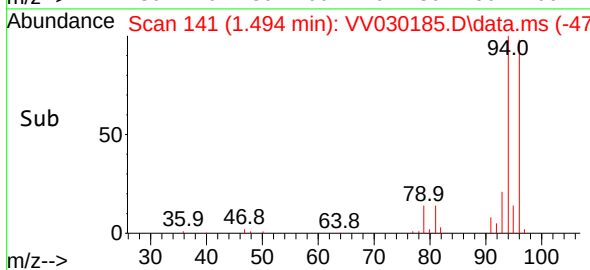
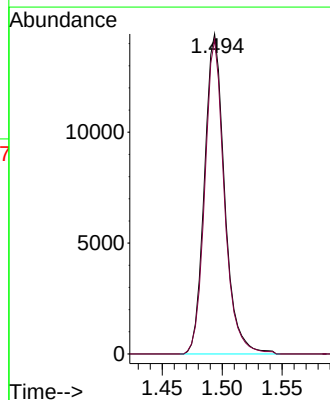
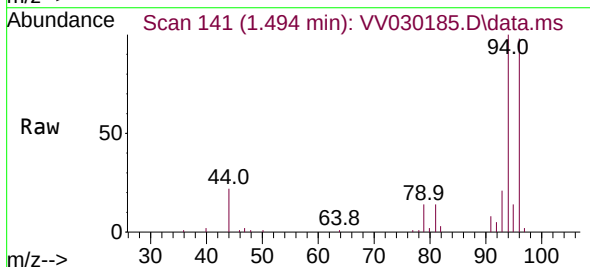
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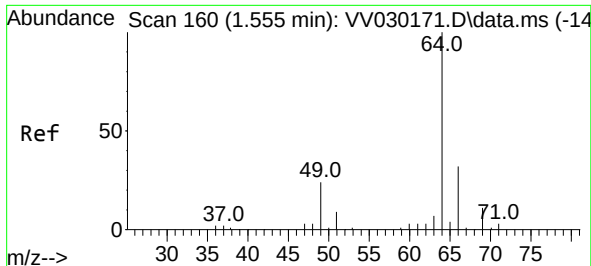
Tgt Ion: 62 Resp: 59580
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.1 42.9



#6
 Bromomethane
 Concen: 6.909 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.003 min
 Lab File: VV030185.D
 Acq: 13 Mar 2023 18:41

Tgt Ion: 94 Resp: 16935
 Ion Ratio Lower Upper
 94 100
 96 98.2 68.4 127.0

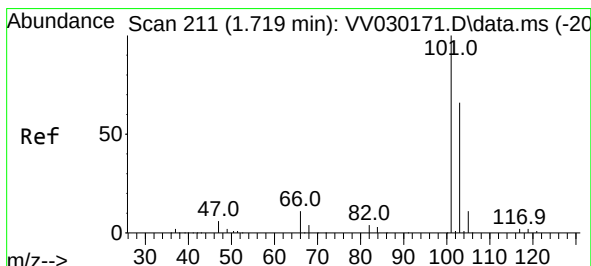
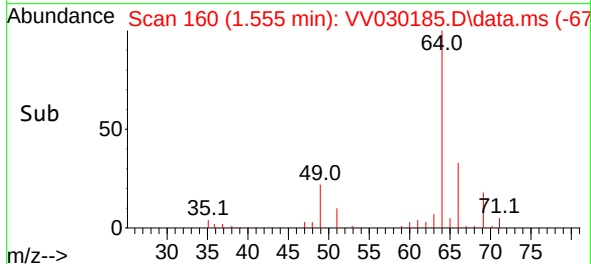
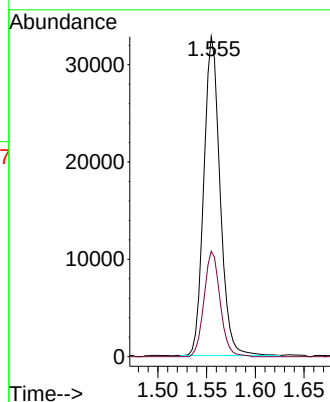
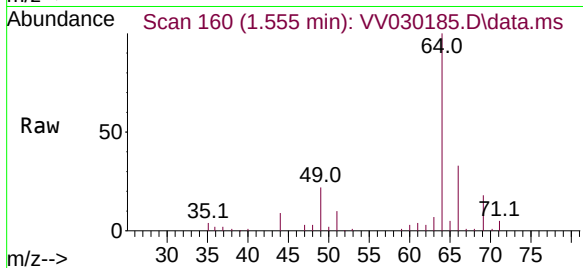




#8
Chloroethane
Concen: 4.571 ug/L
RT: 1.555 min Scan# 160
Delta R.T. -0.000 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

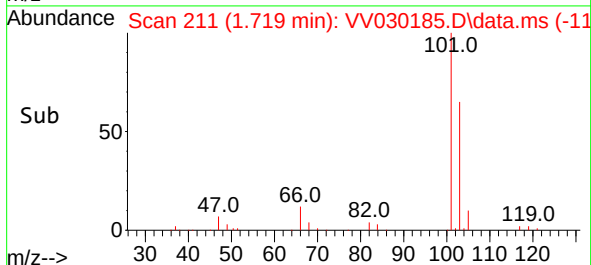
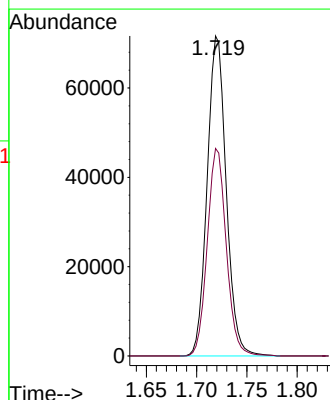
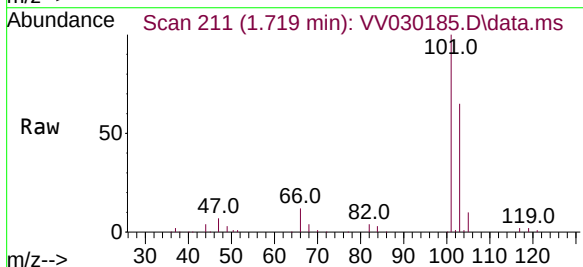
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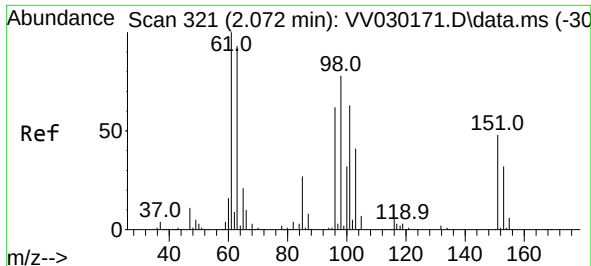
Tgt Ion: 64 Resp: 38028
Ion Ratio Lower Upper
64 100
66 32.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.815 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

Tgt Ion:101 Resp: 94347
Ion Ratio Lower Upper
101 100
103 64.6 52.7 79.1

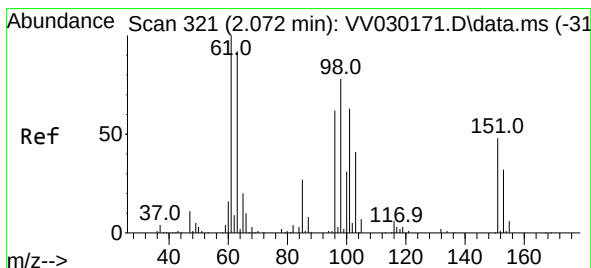
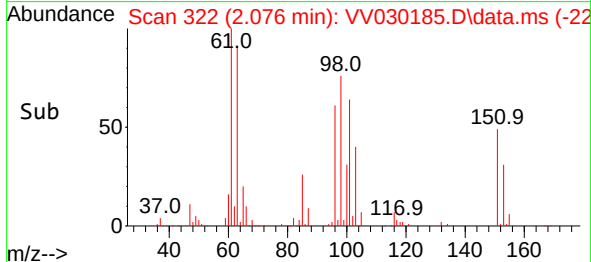
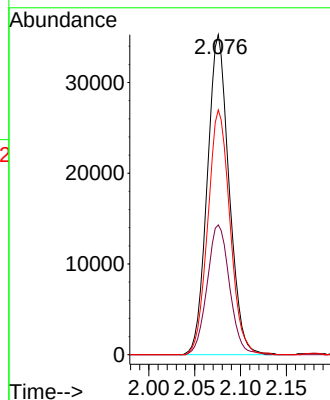
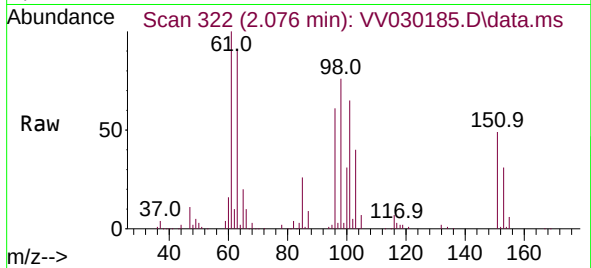




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.800 ug/L
 RT: 2.076 min Scan# 311
 Delta R.T. 0.003 min
 Lab File: VV030185.D
 Acq: 13 Mar 2023 18:41

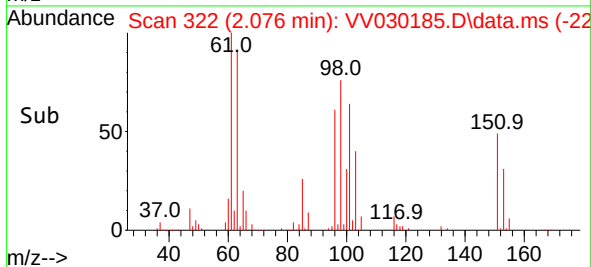
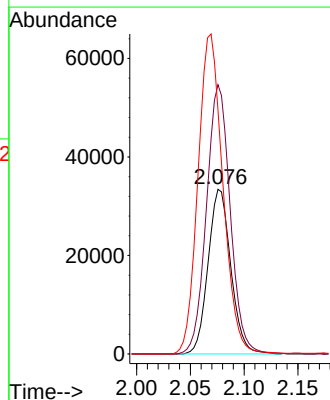
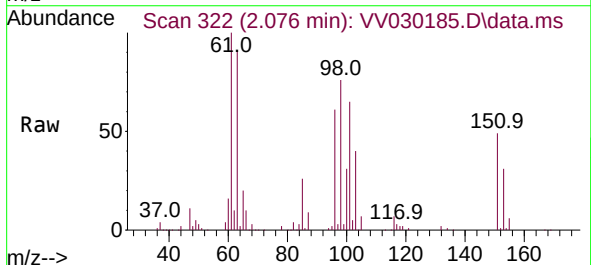
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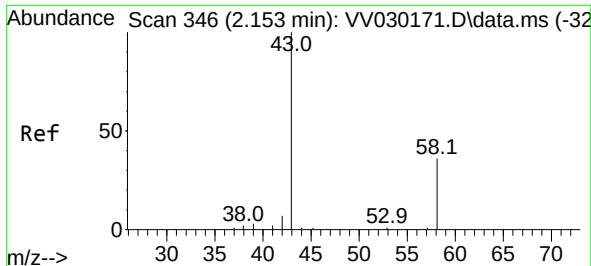
Tgt Ion:101 Resp: 58319
 Ion Ratio Lower Upper
 101 100
 85 41.6 33.5 50.3
 151 77.9 61.6 92.4



#12
 1,1-Dichloroethene
 Concen: 4.566 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV030185.D
 Acq: 13 Mar 2023 18:41

Tgt Ion: 96 Resp: 49108
 Ion Ratio Lower Upper
 96 100
 61 163.6 115.6 214.6
 63 148.3 85.6 159.0





#13

Acetone

Concen: 41.747 ug/L

RT: 2.150 min Scan# 346

Delta R.T. -0.003 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

Instrument :

MSVOA_V

ClientSampleId :

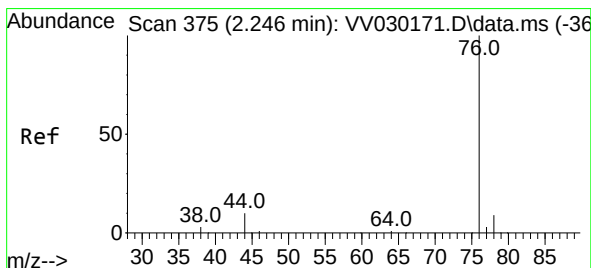
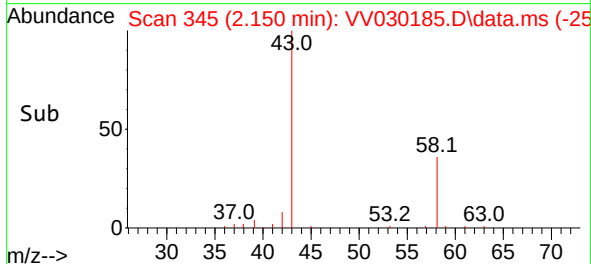
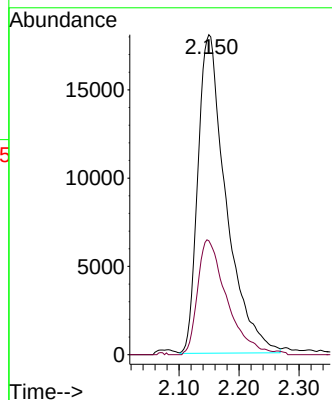
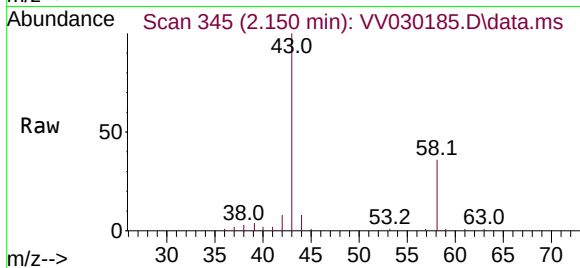
VSTD005299

Tgt Ion: 43 Resp: 58995

Ion Ratio Lower Upper

43 100

58 37.2 0.0 29.4#



#14

Carbon disulfide

Concen: 3.911 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

Lab File: VV030185.D

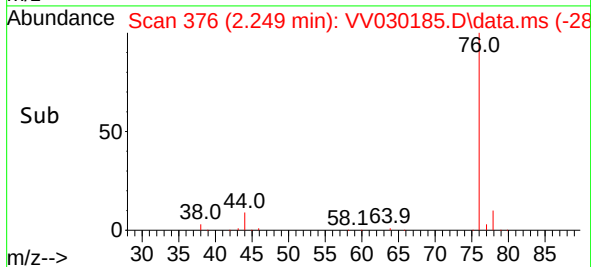
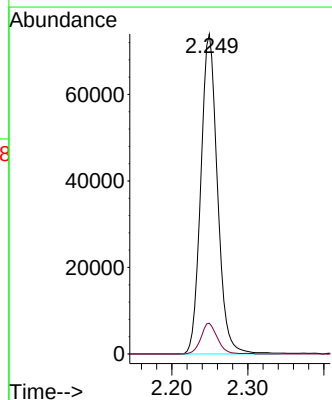
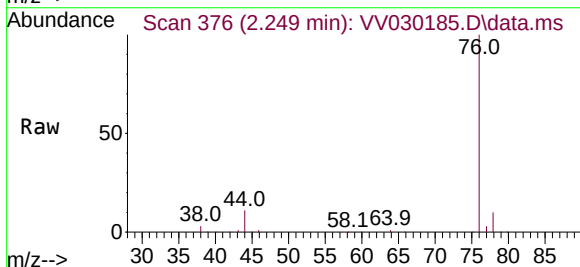
Acq: 13 Mar 2023 18:41

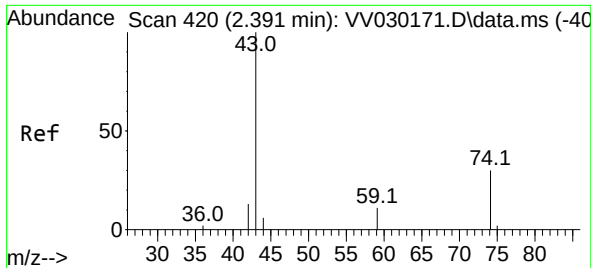
Tgt Ion: 76 Resp: 112555

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5

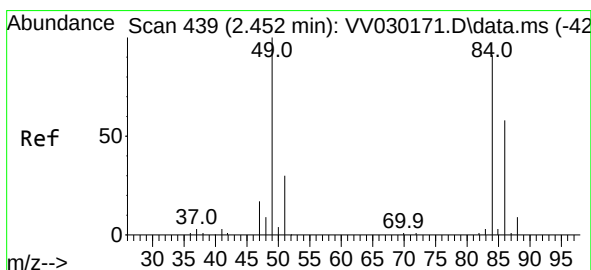
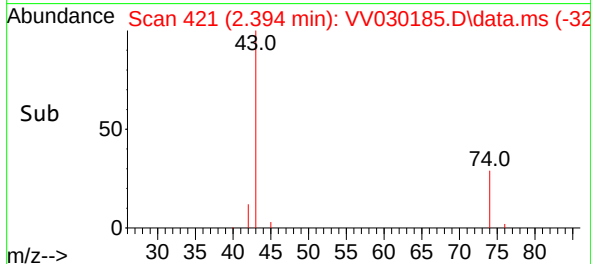
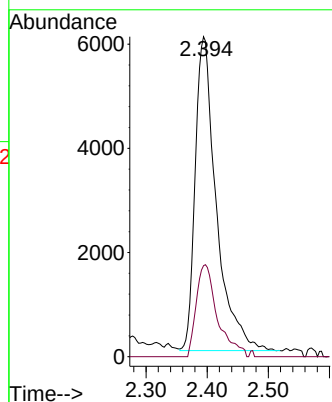
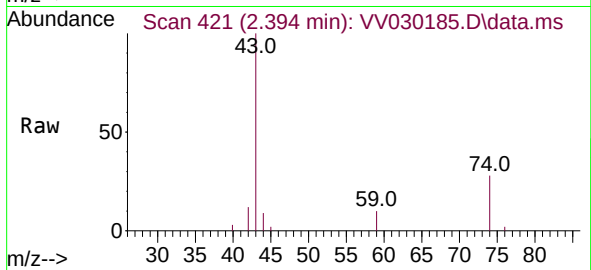




#15
Methyl Acetate
Concen: 4.372 ug/L
RT: 2.394 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

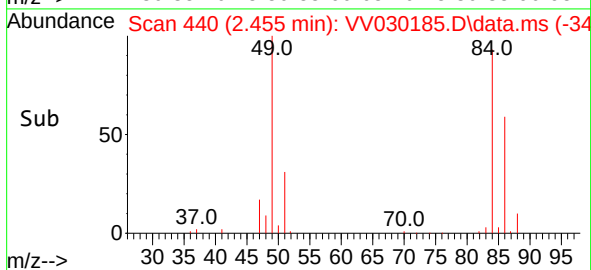
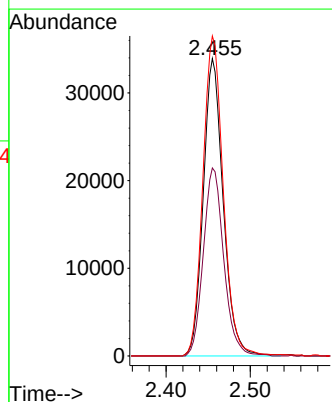
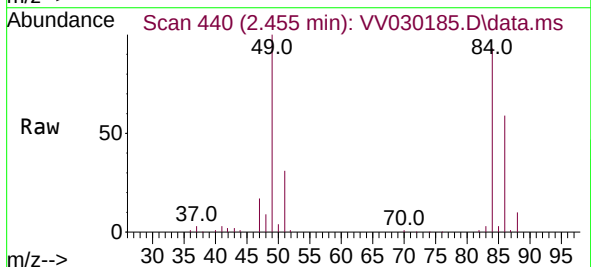
Instrument :
MSVOA_V
ClientSampleId :
VSTD005299

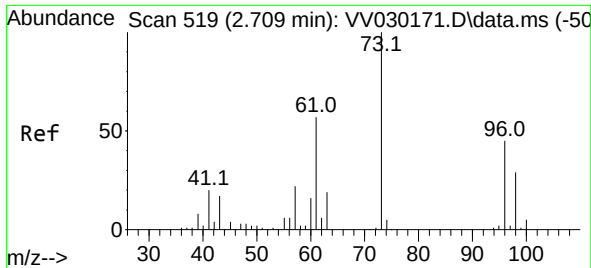
Tgt Ion: 43 Resp: 14431
Ion Ratio Lower Upper
43 100
74 29.3 20.1 30.1



#16
Methylene chloride
Concen: 4.259 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

Tgt Ion: 84 Resp: 55957
Ion Ratio Lower Upper
84 100
86 63.2 44.7 83.1
49 107.6 78.8 146.3

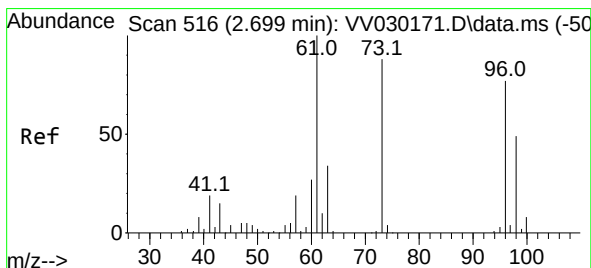
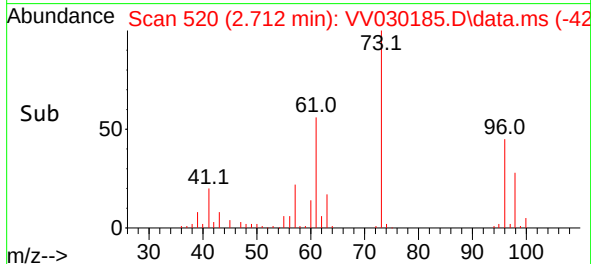
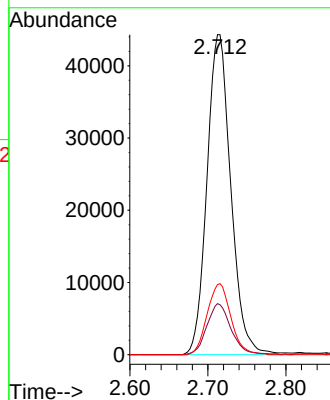
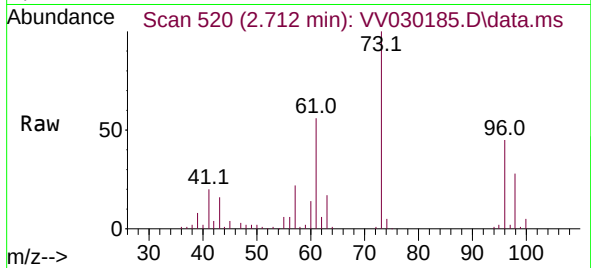




#17
Methyl tert-butyl Ether
Concen: 4.475 ug/L
RT: 2.712 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

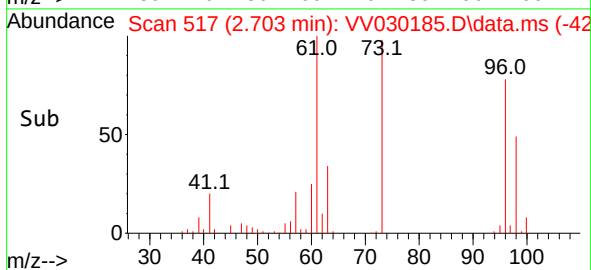
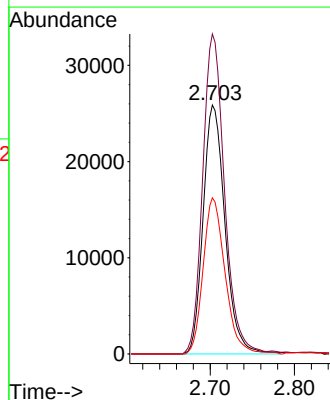
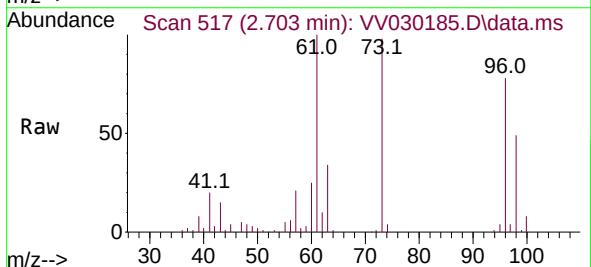
Instrument :
MSVOA_V
ClientSampleId :
VSTD005299

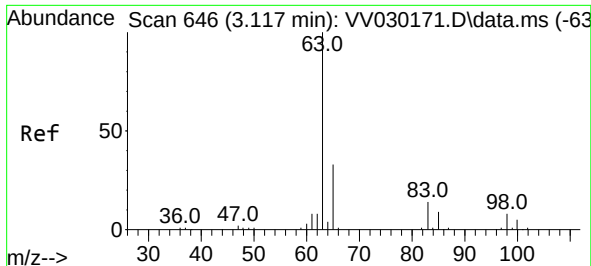
Tgt Ion: 73	Resp:	94127
Ion Ratio	Lower	Upper
73	100	
43	16.2	13.4 20.2
57	22.0	16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 4.577 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

Tgt Ion: 96	Resp:	46828	
Ion	Ratio	Lower	Upper
96	100		
61	128.5	91.0	169.0
98	62.7	45.2	84.0





#19

1,1-Dichloroethane

Concen: 4.819 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005299

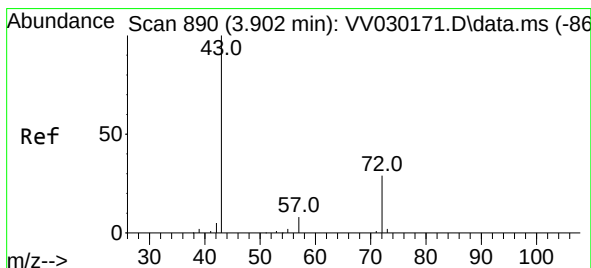
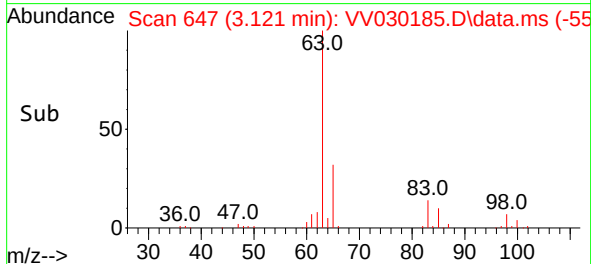
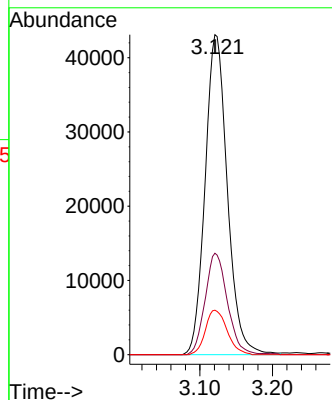
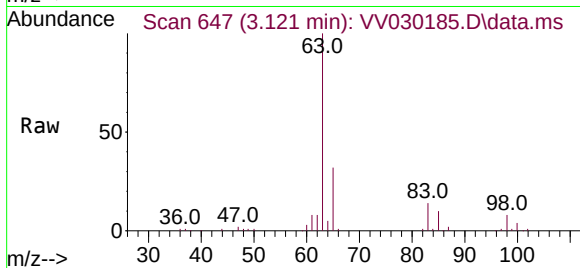
Tgt Ion: 63 Resp: 91855

Ion Ratio Lower Upper

63 100

65 31.7 23.0 42.8

83 13.9 9.6 17.8



#21

2-Butanone

Concen: 43.634 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.000 min

Lab File: VV030185.D

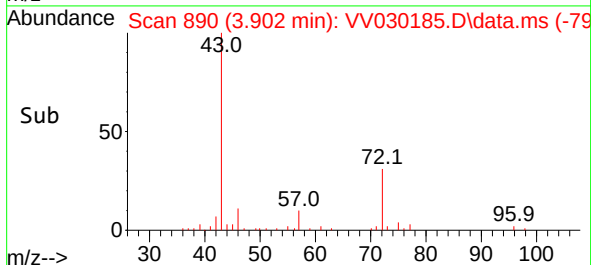
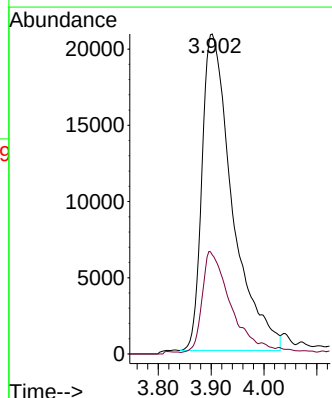
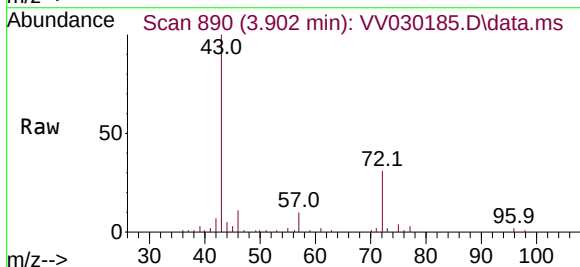
Acq: 13 Mar 2023 18:41

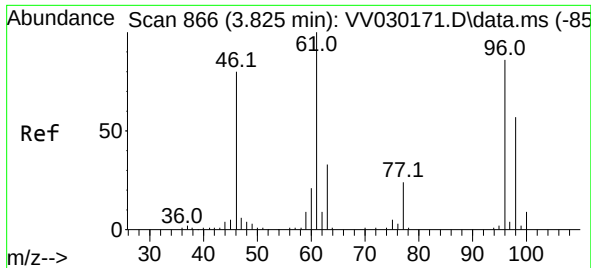
Tgt Ion: 43 Resp: 82927

Ion Ratio Lower Upper

43 100

72 28.6 15.1 45.3

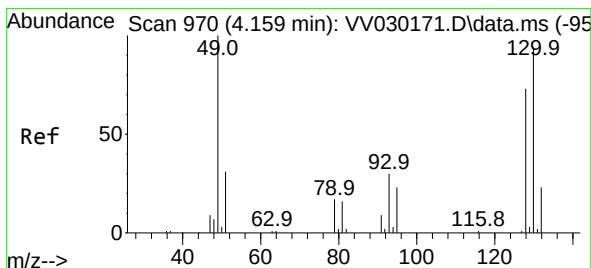
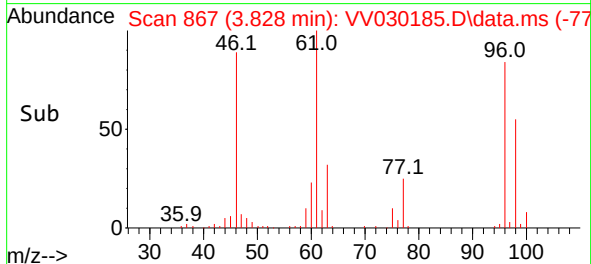
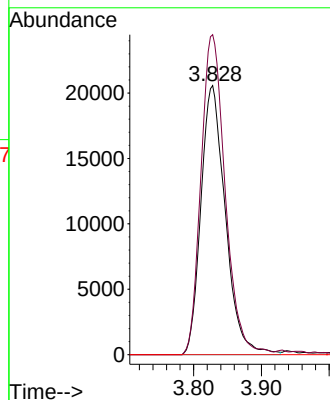
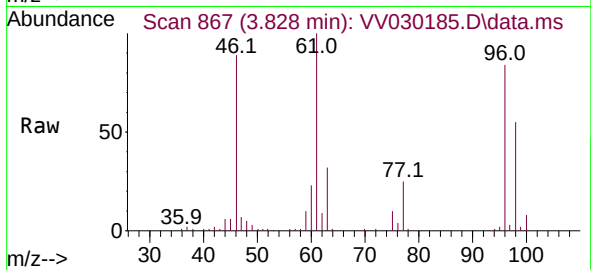




#22
 cis-1,2-Dichloroethene
 Concen: 4.555 ug/L
 RT: 3.828 min Scan# 866
 Delta R.T. 0.003 min
 Lab File: VV030185.D
 Acq: 13 Mar 2023 18:41

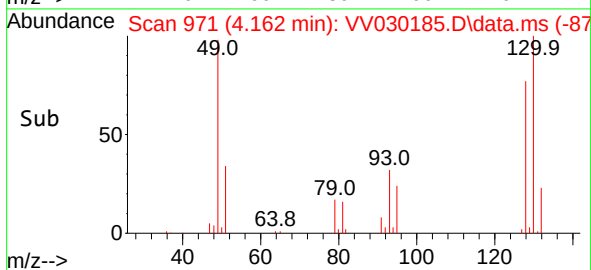
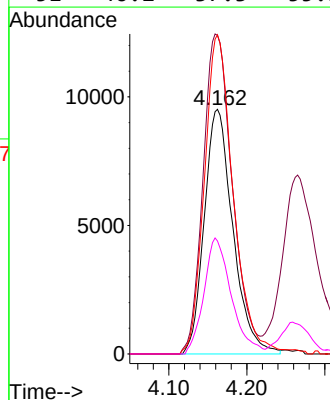
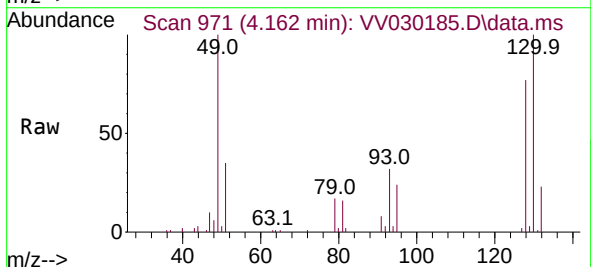
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005299

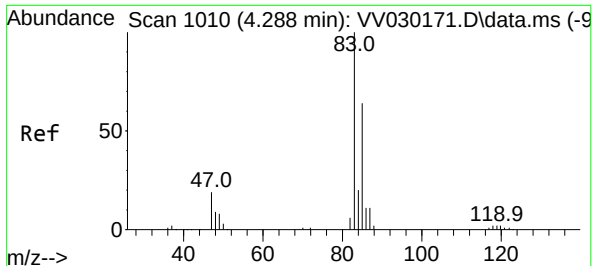
Tgt Ion: 96 Resp: 51509
 Ion Ratio Lower Upper
 96 100
 61 118.9 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.033 ug/L
 RT: 4.162 min Scan# 971
 Delta R.T. 0.003 min
 Lab File: VV030185.D
 Acq: 13 Mar 2023 18:41

Tgt Ion: 128 Resp: 24322
 Ion Ratio Lower Upper
 128 100
 49 130.2 99.5 184.9
 130 130.5 90.5 168.1
 51 46.2 37.3 55.9





#25

Chloroform

Concen: 4.938 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. -0.000 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

Instrument :

MSVOA_V

ClientSampleId :

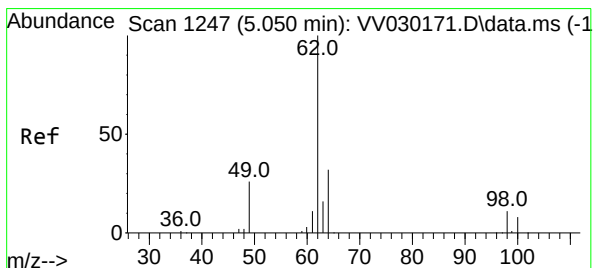
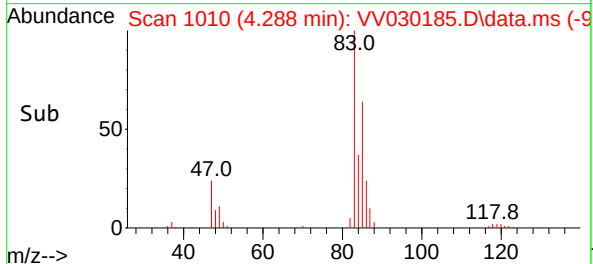
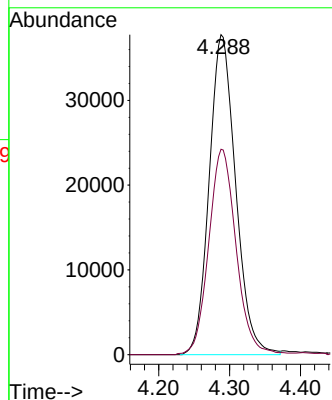
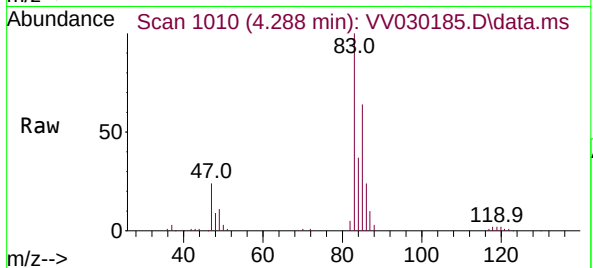
VSTD005299

Tgt Ion: 83 Resp: 97906

Ion Ratio Lower Upper

83 100

85 64.2 46.5 86.5



#27

1,2-Dichloroethane

Concen: 4.854 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VV030185.D

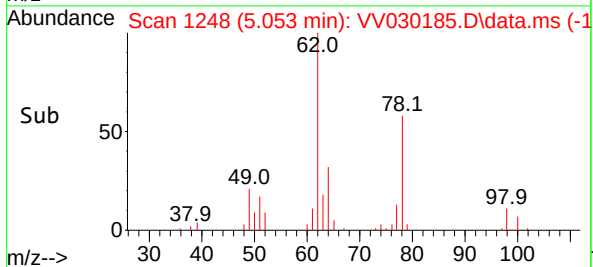
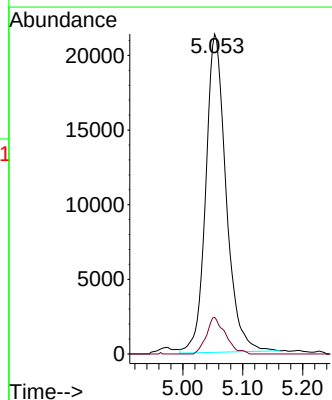
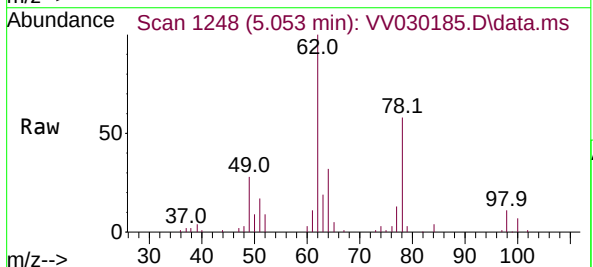
Acq: 13 Mar 2023 18:41

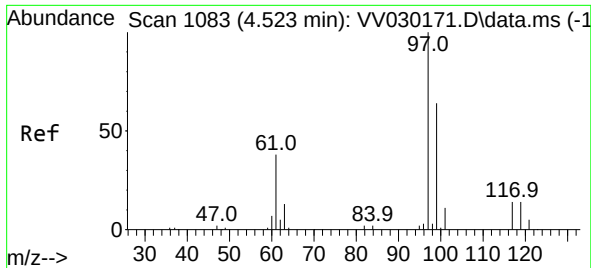
Tgt Ion: 62 Resp: 50339

Ion Ratio Lower Upper

62 100

98 11.5 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 4.868 ug/L

RT: 4.526 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005299

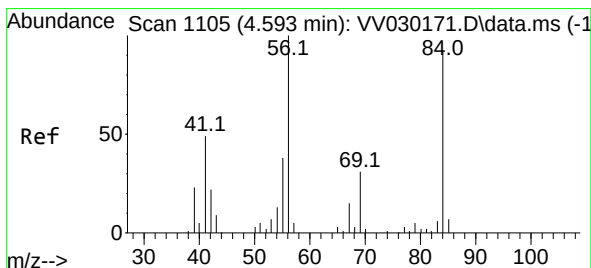
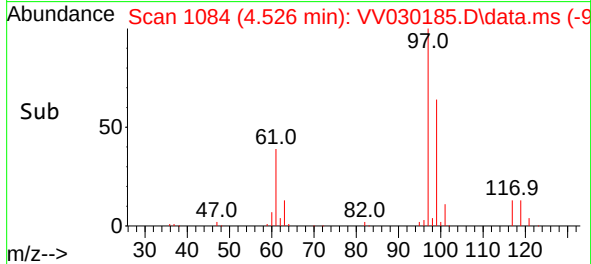
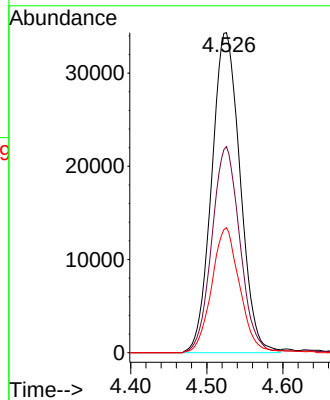
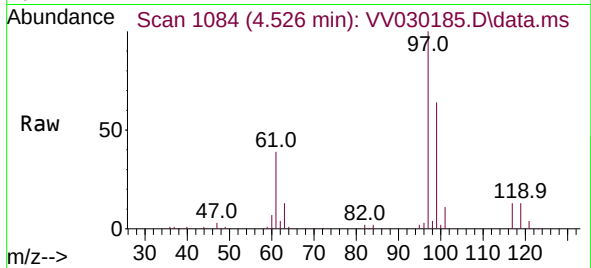
Tgt Ion: 97 Resp: 89079

Ion Ratio Lower Upper

97 100

99 63.6 51.3 76.9

61 38.8 31.5 47.3



#30

Cyclohexane

Concen: 3.869 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

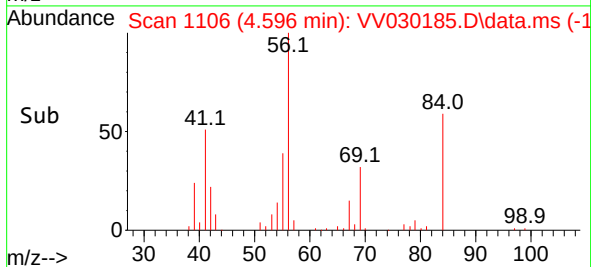
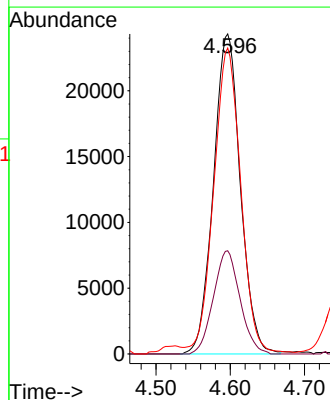
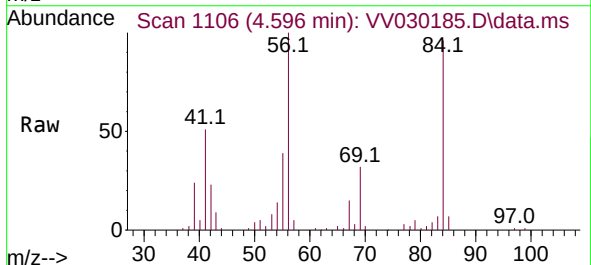
Tgt Ion: 56 Resp: 61182

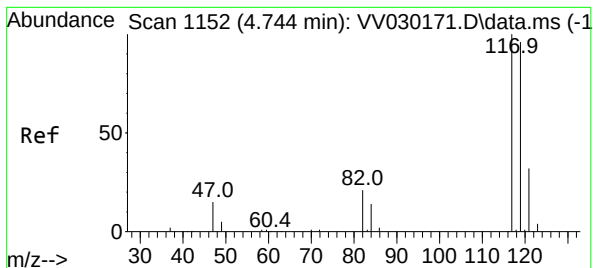
Ion Ratio Lower Upper

56 100

69 31.9 25.1 37.7

84 96.6 74.6 111.8





#31

Carbon tetrachloride

Concen: 4.795 ug/L

RT: 4.744 min Scan# 1152

Delta R.T. -0.000 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

Instrument :

MSVOA_V

ClientSampleId :

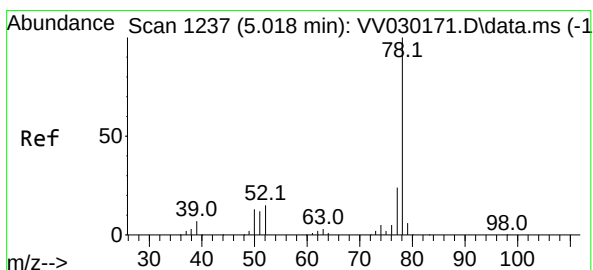
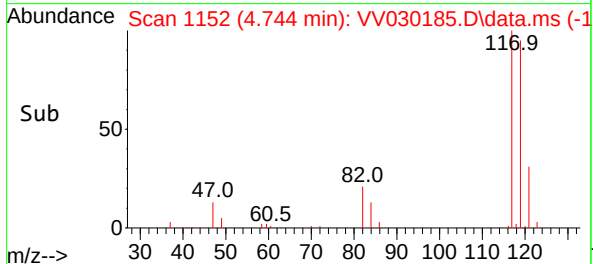
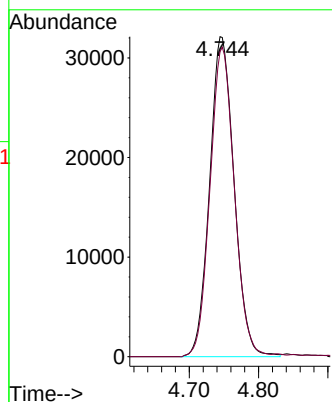
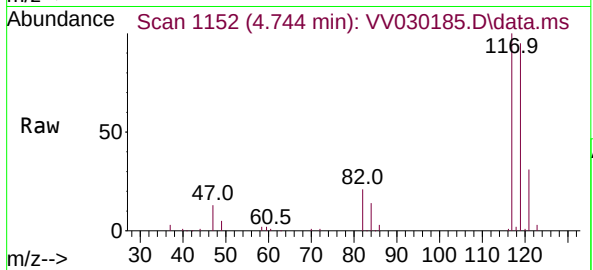
VSTD005299

Tgt Ion:117 Resp: 78871

Ion Ratio Lower Upper

117 100

119 95.9 76.1 114.1



#33

Benzene

Concen: 4.560 ug/L

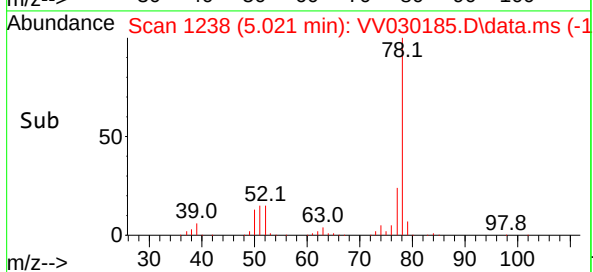
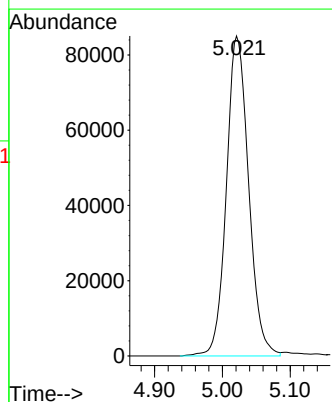
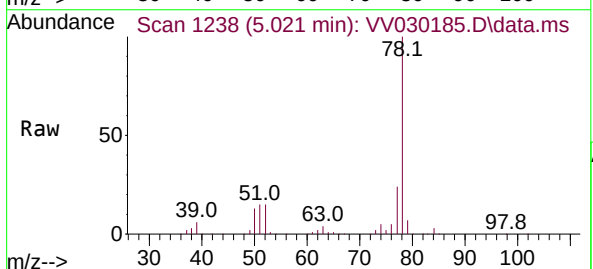
RT: 5.021 min Scan# 1238

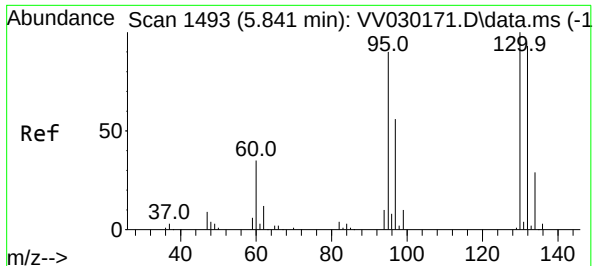
Delta R.T. 0.003 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

Tgt Ion: 78 Resp: 194017

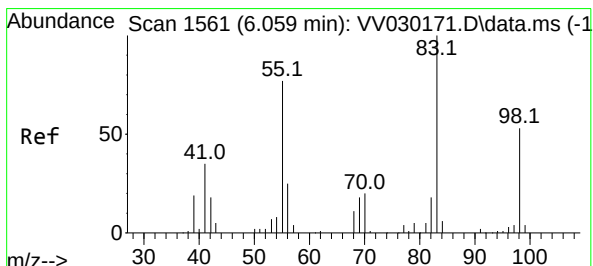
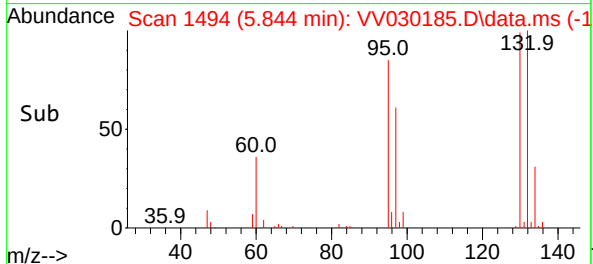
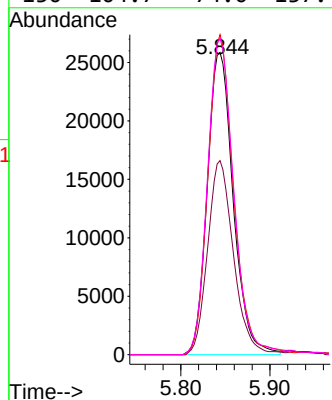
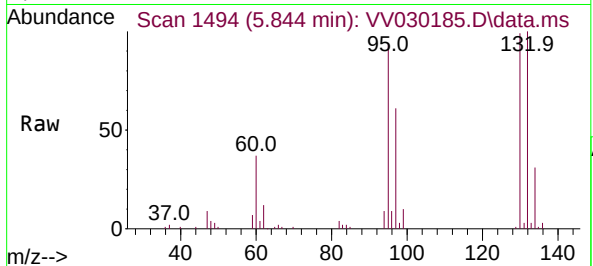




#34
Trichloroethene
Concen: 4.389 ug/L
RT: 5.844 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

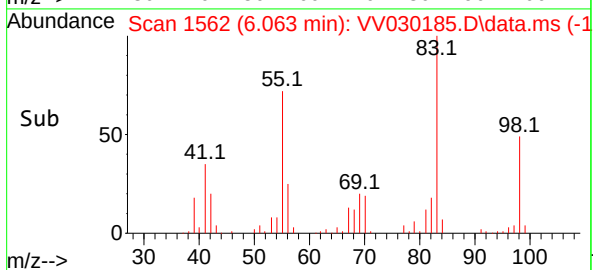
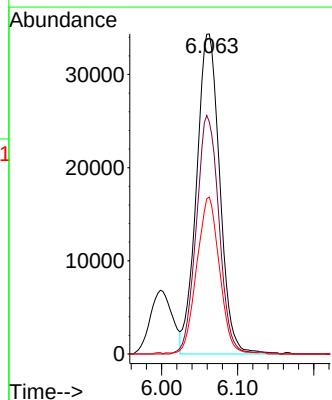
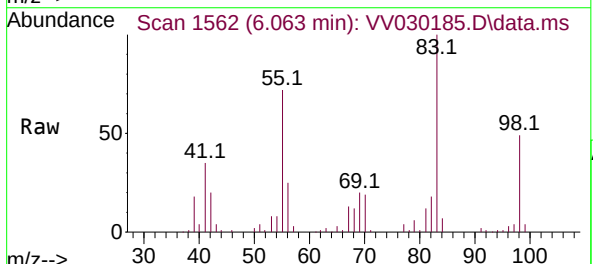
Instrument :
MSVOA_V
ClientSampleId :
VSTD005299

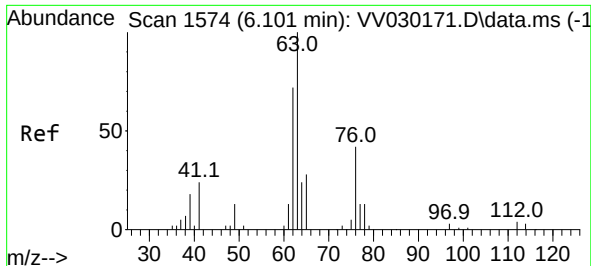
Tgt Ion: 95 Resp: 52330
Ion Ratio Lower Upper
95 100
97 64.2 46.5 86.5
132 105.9 71.7 133.3
130 104.7 74.0 137.4



#35
Methylcyclohexane
Concen: 4.043 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. 0.003 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

Tgt Ion: 83 Resp: 72953
Ion Ratio Lower Upper
83 100
55 72.6 57.6 86.4
98 47.0 38.8 58.2





#37

1,2-Dichloropropane

Concen: 4.754 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

Instrument :

MSVOA_V

ClientSampleId :

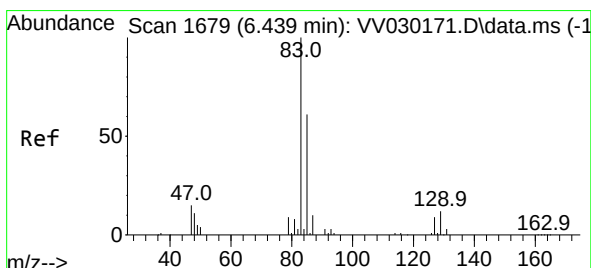
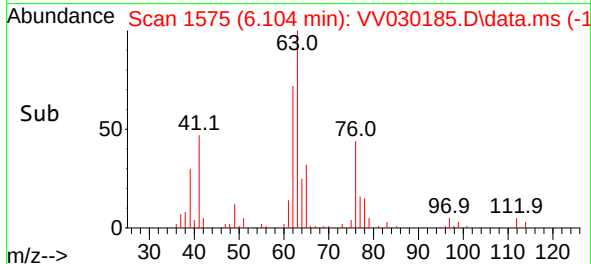
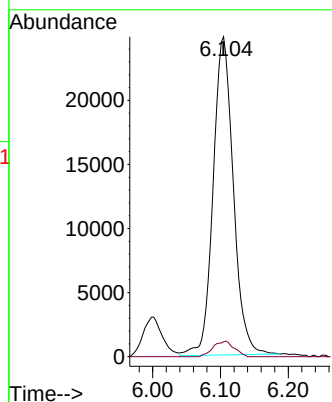
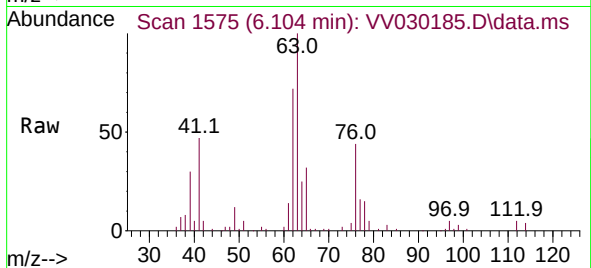
VSTD005299

Tgt Ion: 63 Resp: 51457

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.6



#38

Bromodichloromethane

Concen: 4.783 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

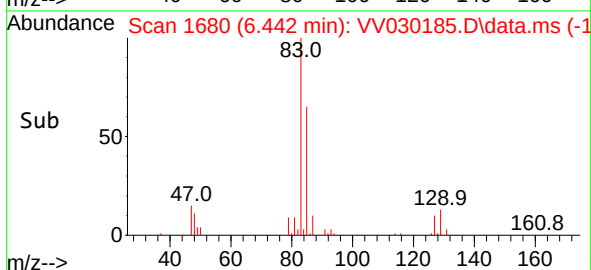
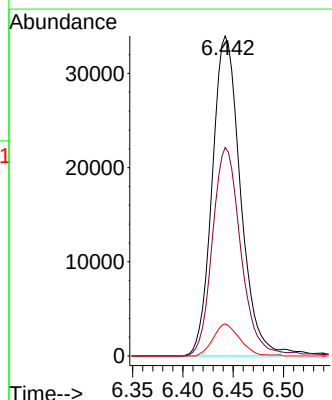
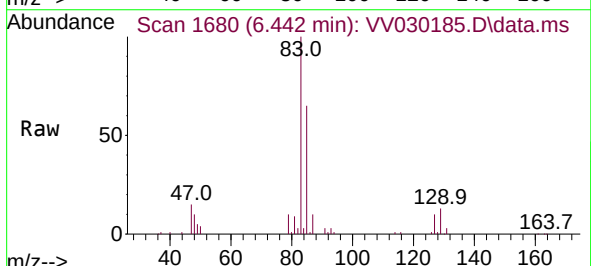
Tgt Ion: 83 Resp: 66090

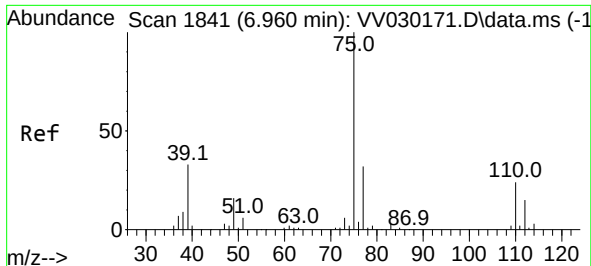
Ion Ratio Lower Upper

83 100

85 65.1 44.3 82.3

127 10.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.328 ug/L

RT: 6.963 min Scan# 1841

Delta R.T. 0.003 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

Instrument :

MSVOA_V

ClientSampleId :

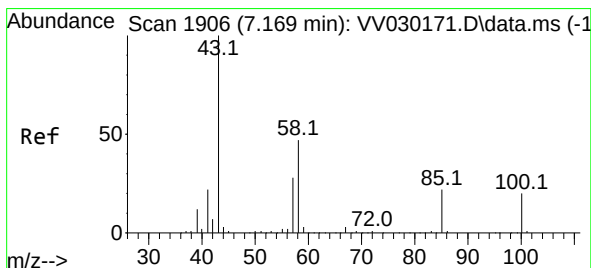
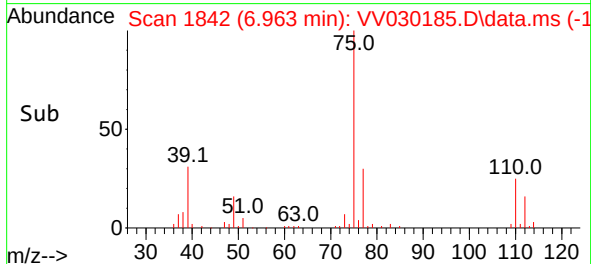
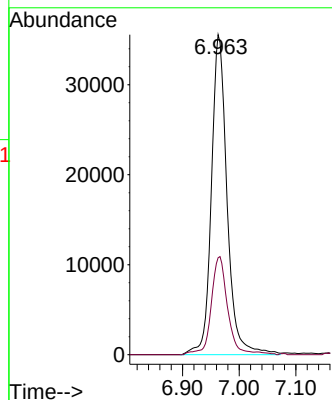
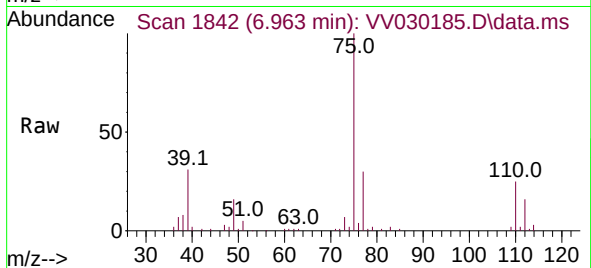
VSTD005299

Tgt Ion: 75 Resp: 68573

Ion Ratio Lower Upper

75 100

77 30.3 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 47.360 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

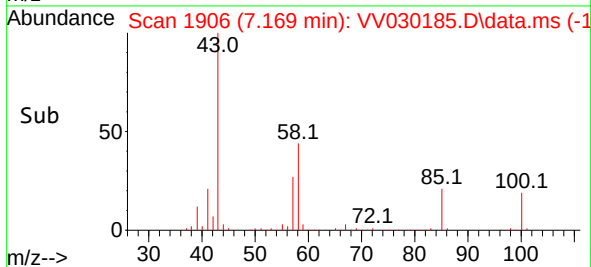
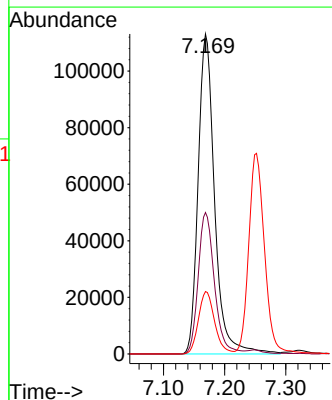
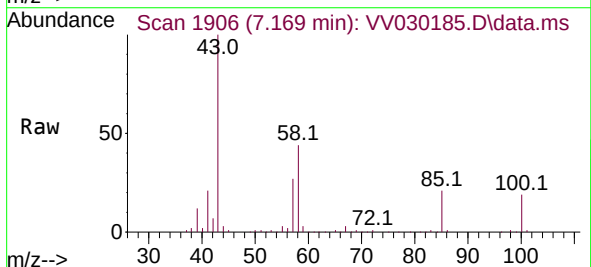
Tgt Ion: 43 Resp: 211535

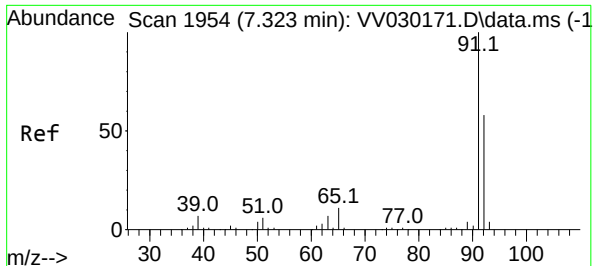
Ion Ratio Lower Upper

43 100

58 43.6 35.3 52.9

100 19.2 14.7 22.1





#42

Toluene

Concen: 4.702 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

Instrument :

MSVOA_V

ClientSampleId :

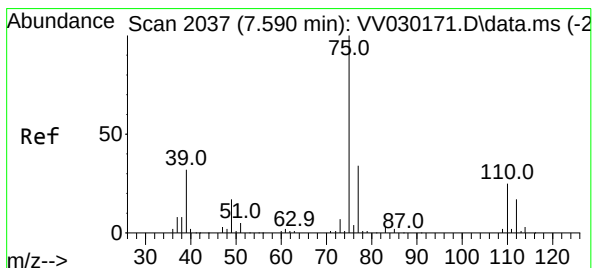
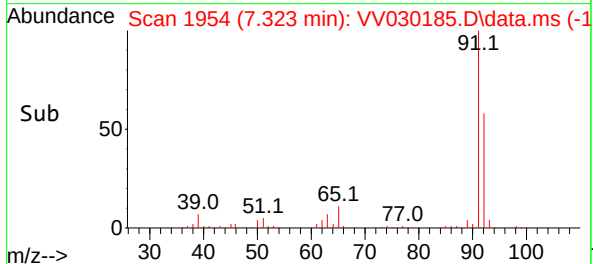
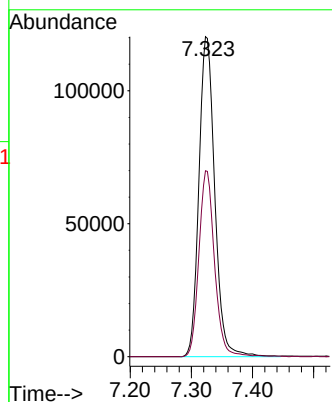
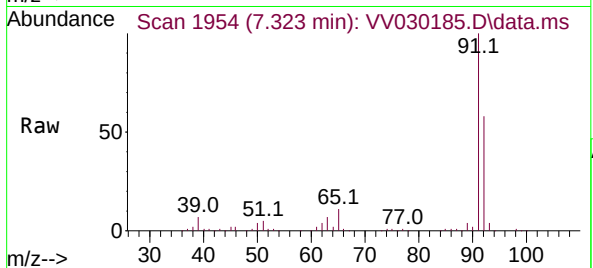
VSTD005299

Tgt Ion: 91 Resp: 216662

Ion Ratio Lower Upper

91 100

92 58.1 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 4.543 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.000 min

Lab File: VV030185.D

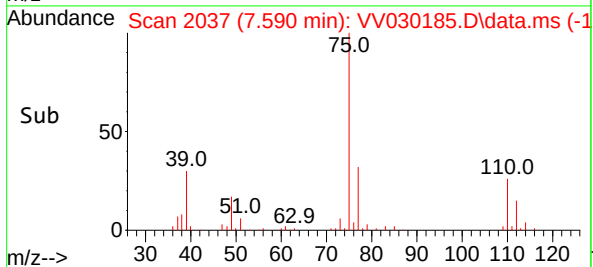
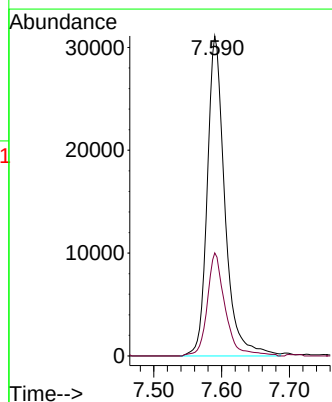
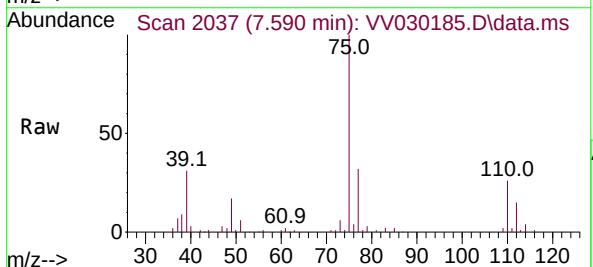
Acq: 13 Mar 2023 18:41

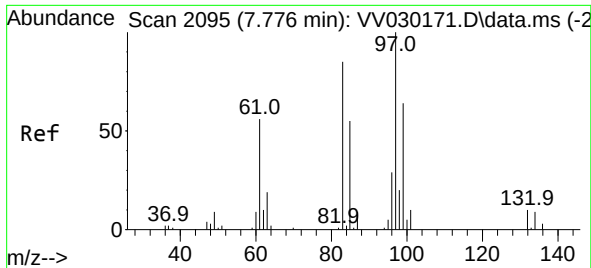
Tgt Ion: 75 Resp: 56197

Ion Ratio Lower Upper

75 100

77 32.2 22.1 41.1



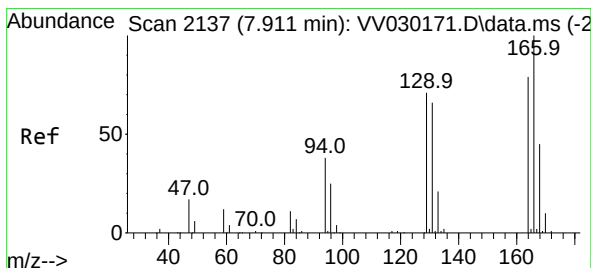
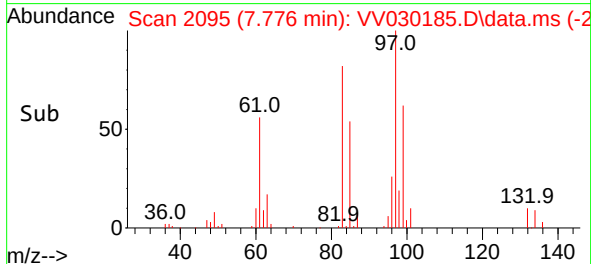
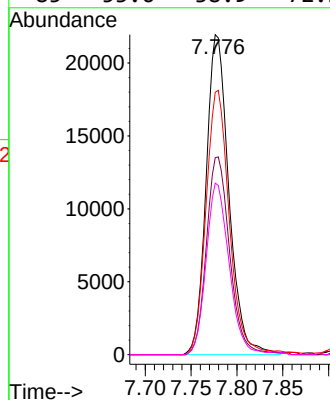
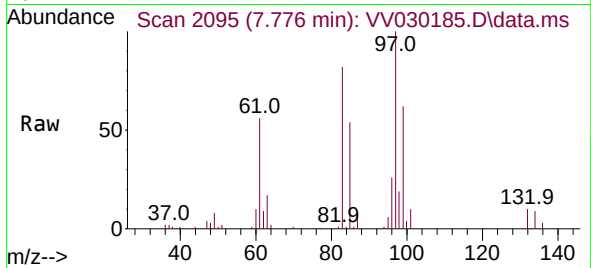


#45
1,1,2-Trichloroethane
Concen: 4.894 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.000 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD005299

Tgt Ion: 97 Resp: 37906

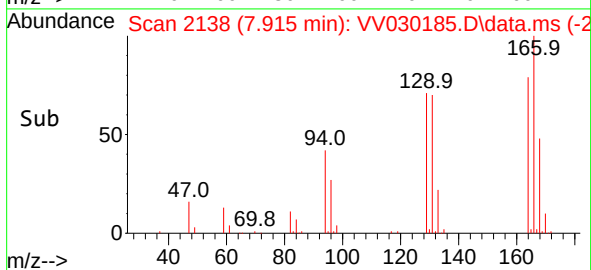
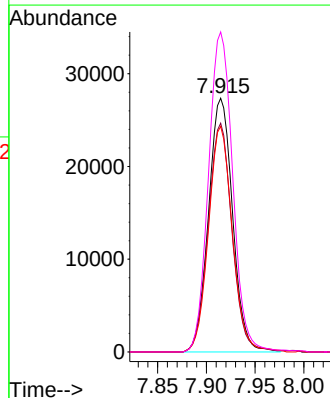
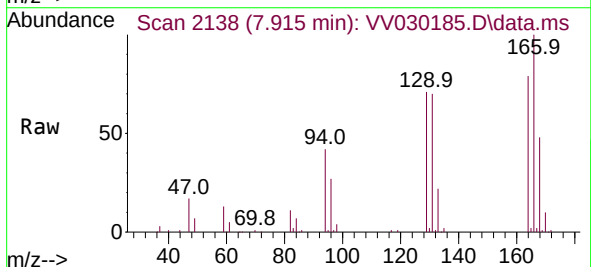
Ion	Ratio	Lower	Upper
97	100		
99	61.6	42.6	79.2
83	82.0	57.7	107.3
85	53.6	38.9	72.2

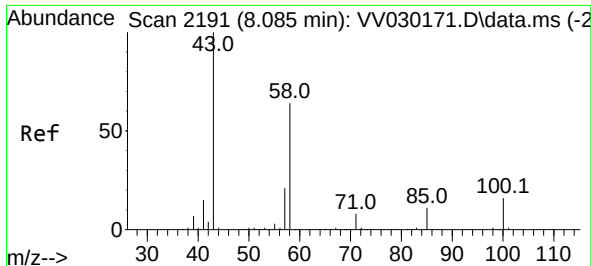


#47
Tetrachloroethene
Concen: 4.604 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

Tgt Ion: 164 Resp: 47113

Ion	Ratio	Lower	Upper
164	100		
129	90.1	63.6	118.2
131	88.9	61.7	114.7
166	126.1	90.8	168.6

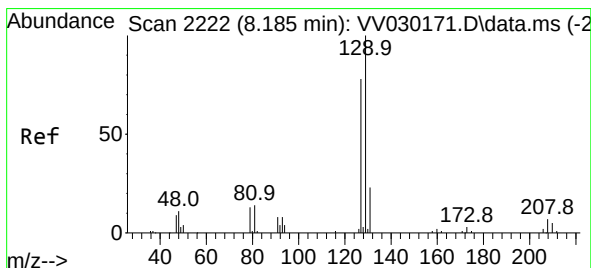
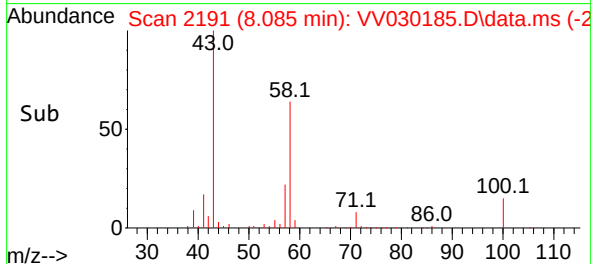
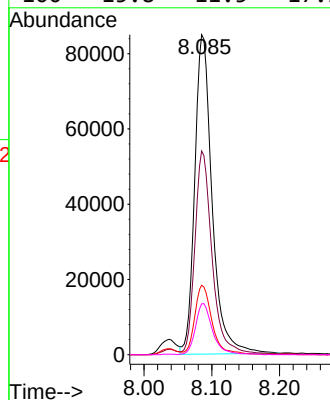
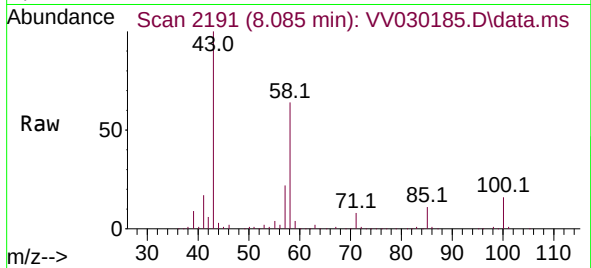




#48
2-Hexanone
Concen: 47.442 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.000 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

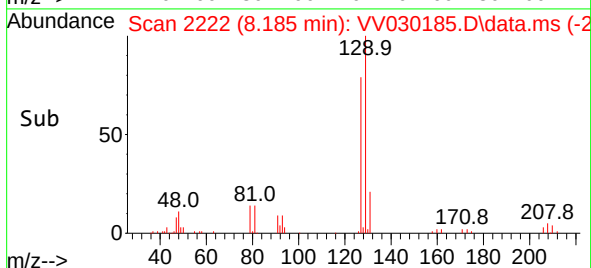
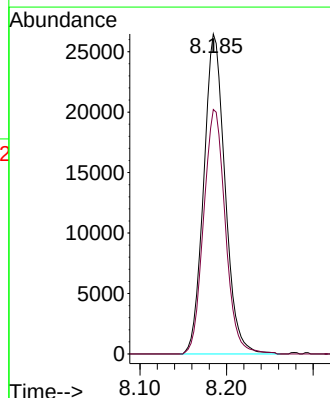
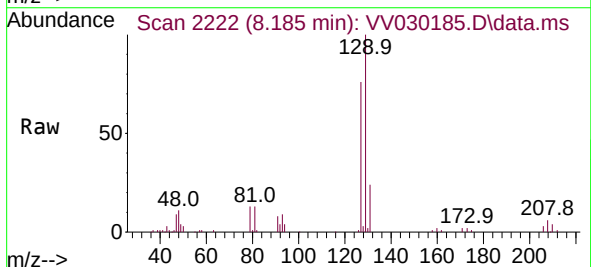
Instrument :
MSVOA_V
ClientSampleId :
VSTD005299

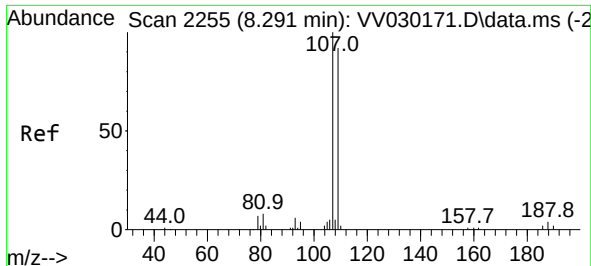
Tgt Ion:	43	Resp:	151699
Ion	Ratio	Lower	Upper
43	100		
58	62.4	49.8	74.8
57	21.4	16.6	24.8
100	15.8	11.5	17.3



#49
Dibromochloromethane
Concen: 4.993 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

Tgt Ion:	129	Resp:	45254
Ion	Ratio	Lower	Upper
129	100		
127	76.4	54.7	101.5





#50

1,2-Dibromoethane

Concen: 4.748 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005299

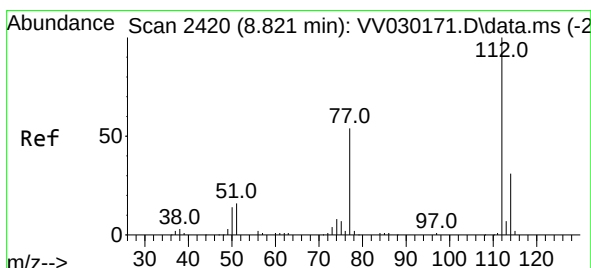
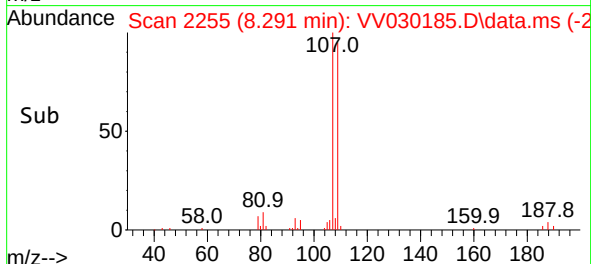
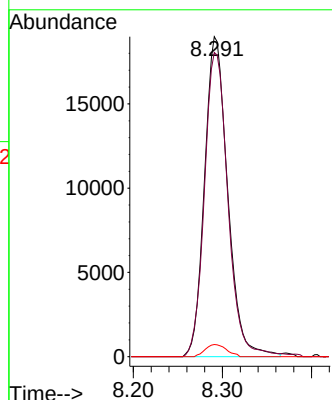
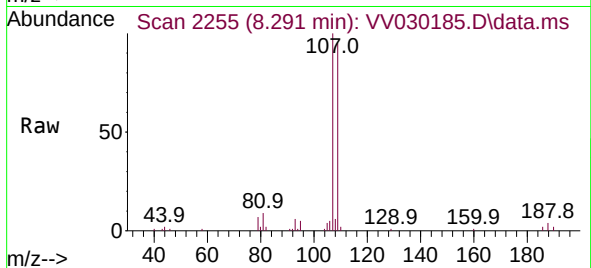
Tgt Ion:107 Resp: 34309

Ion Ratio Lower Upper

107 100

109 95.0 63.3 117.7

188 3.8 3.0 4.6



#51

Chlorobenzene

Concen: 4.728 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

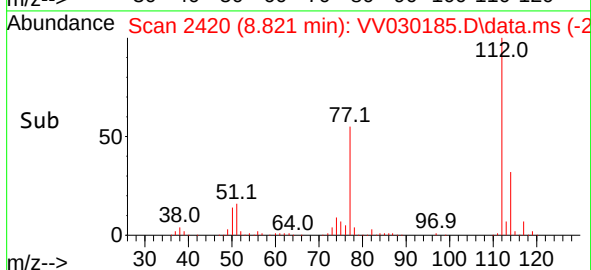
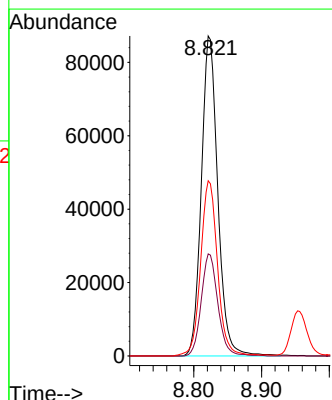
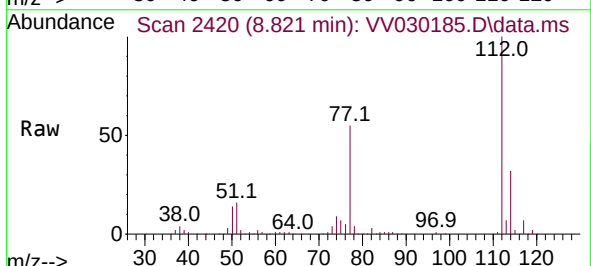
Tgt Ion:112 Resp: 146935

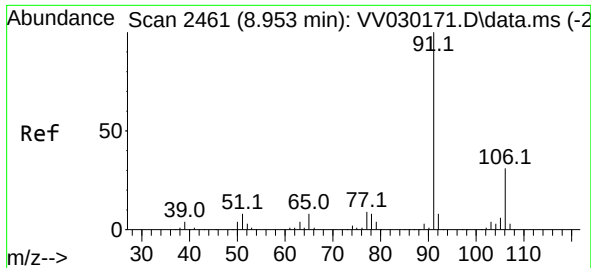
Ion Ratio Lower Upper

112 100

114 31.9 22.5 41.7

77 54.7 45.3 67.9

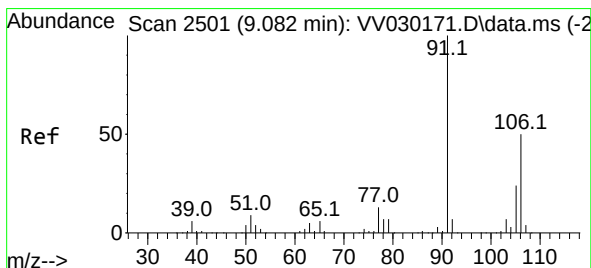
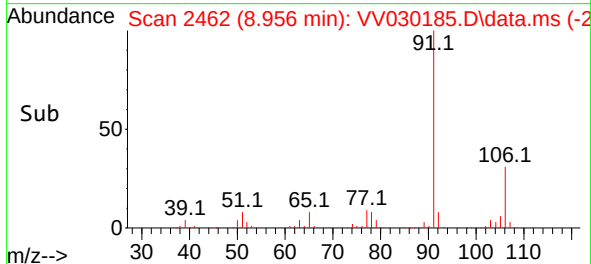
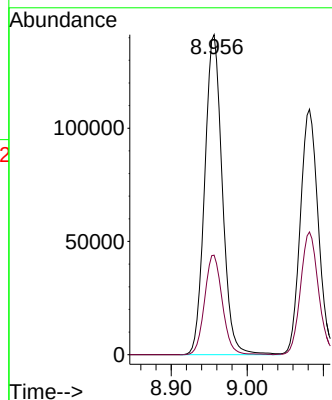
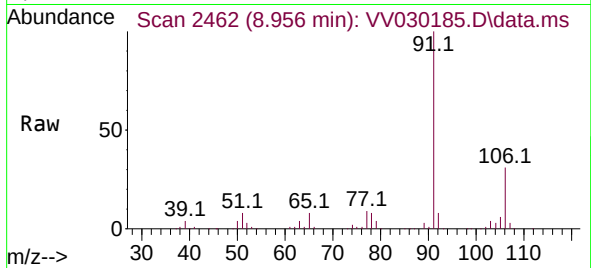




#52
Ethylbenzene
Concen: 4.524 ug/L
RT: 8.956 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

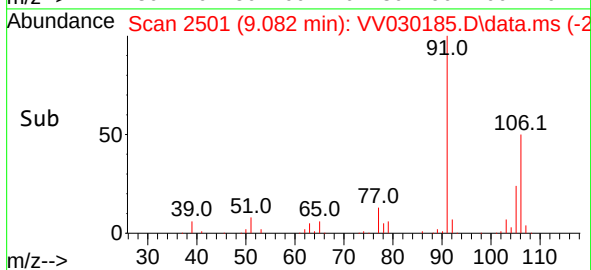
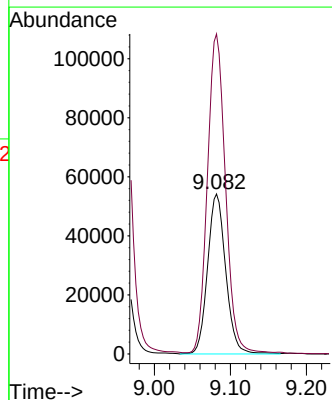
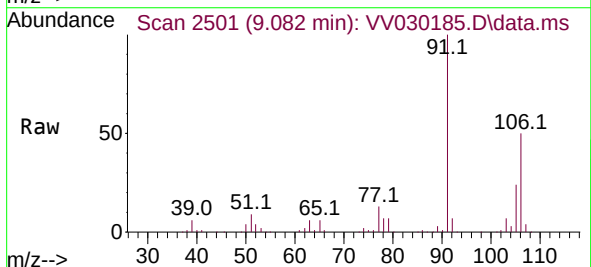
Instrument :
MSVOA_V
ClientSampleId :
VSTD005299

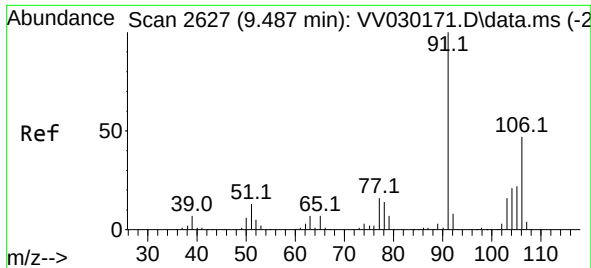
Tgt Ion: 91 Resp: 226882
Ion Ratio Lower Upper
91 100
106 31.1 22.0 40.8



#53
m,p-Xylene
Concen: 4.656 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. -0.000 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

Tgt Ion: 106 Resp: 89736
Ion Ratio Lower Upper
106 100
91 200.0 142.5 264.7

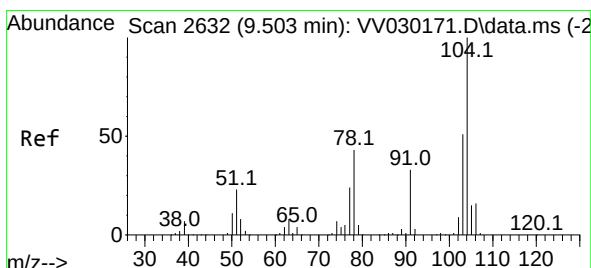
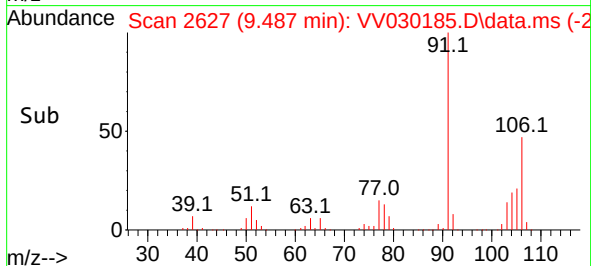
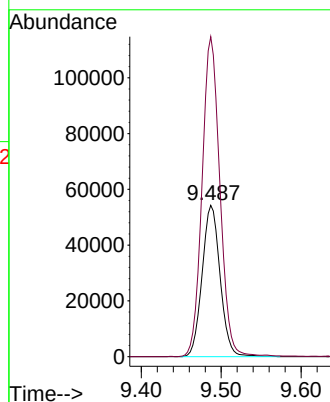
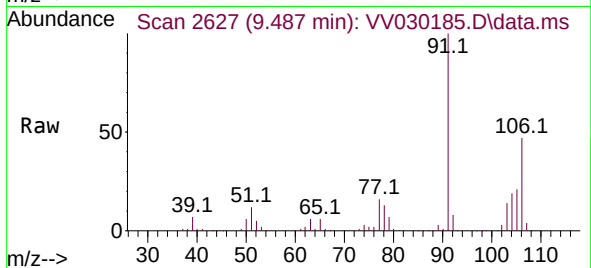




#54
o-Xylene
Concen: 4.621 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

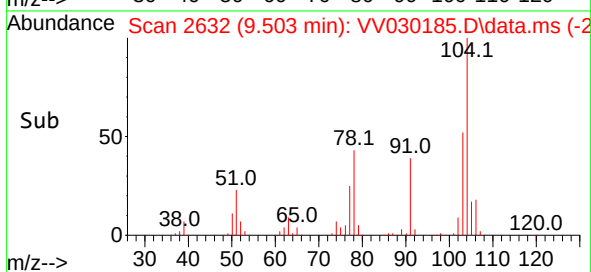
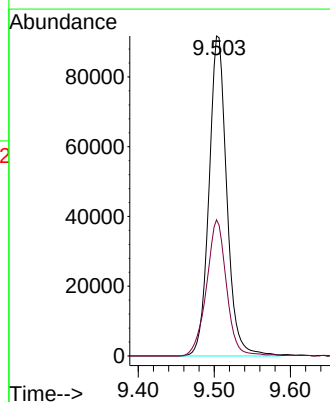
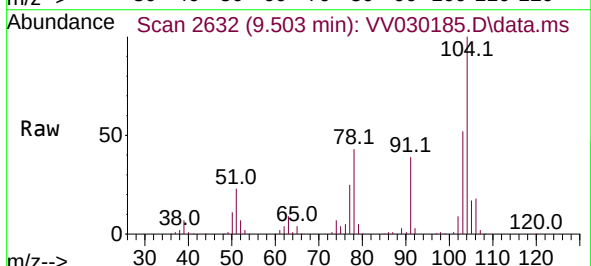
Instrument :
MSVOA_V
ClientSampleId :
VSTD005299

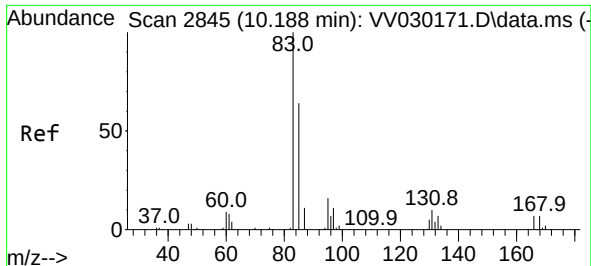
Tgt Ion:106 Resp: 85084
Ion Ratio Lower Upper
106 100
91 211.4 148.8 276.4



#55
Styrene
Concen: 4.879 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

Tgt Ion:104 Resp: 149378
Ion Ratio Lower Upper
104 100
78 42.5 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.039 ug/L

RT: 10.188 min Scan# 2845

Delta R.T. -0.000 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005299

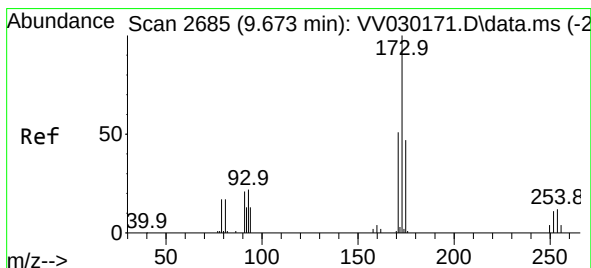
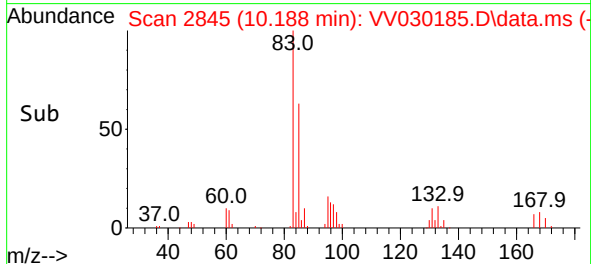
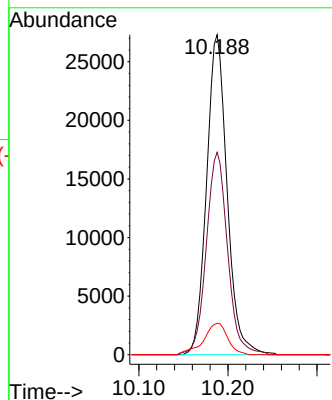
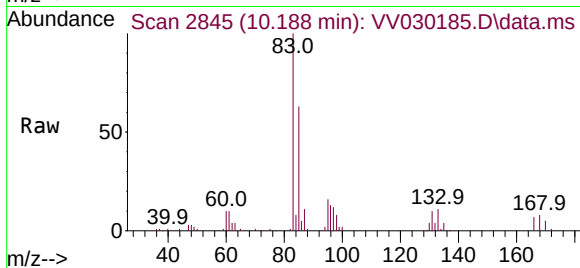
Tgt Ion: 83 Resp: 43658

Ion Ratio Lower Upper

83 100

85 63.3 45.0 83.6

131 9.8 8.2 12.4



#59

Bromoform

Concen: 4.629 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. -0.000 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

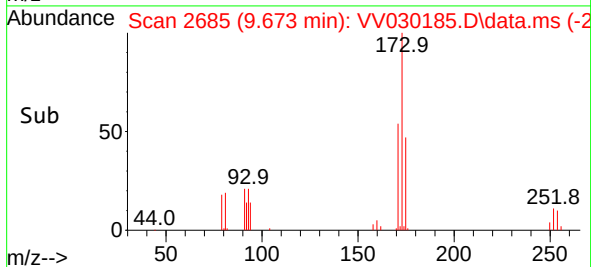
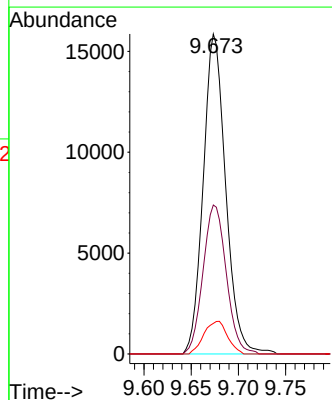
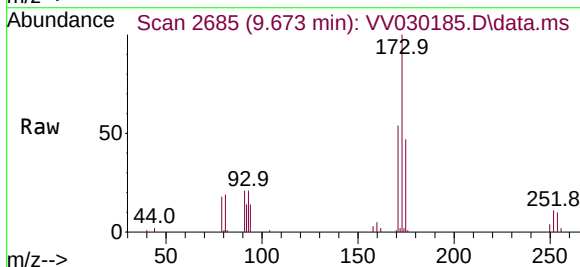
Tgt Ion: 173 Resp: 26230

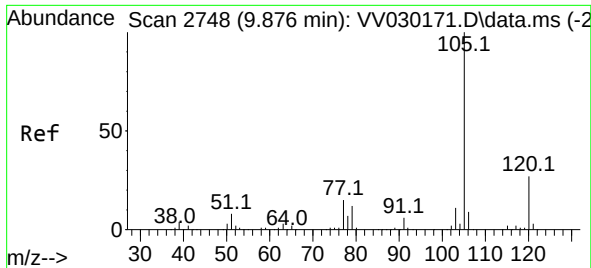
Ion Ratio Lower Upper

173 100

175 48.1 38.5 57.7

254 10.7 8.6 13.0

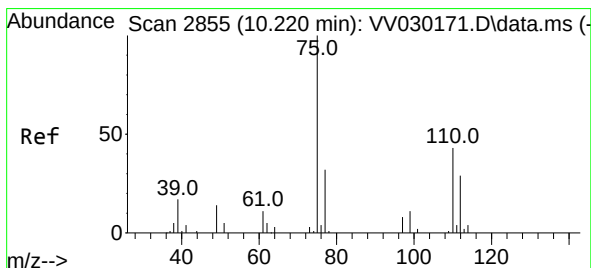
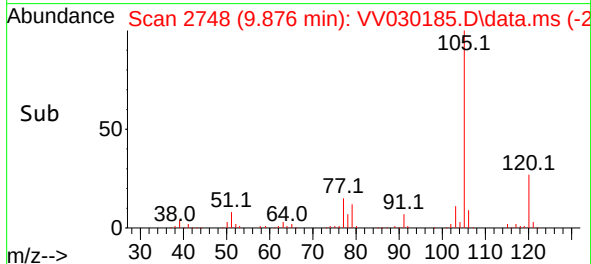
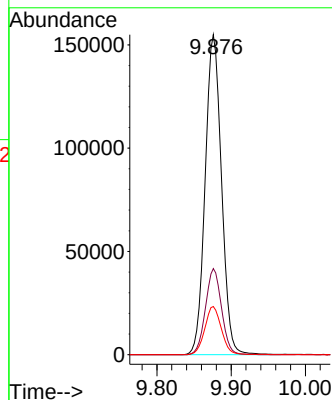
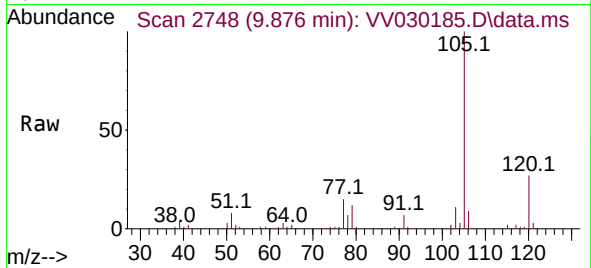




#60
Isopropylbenzene
Concen: 4.348 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

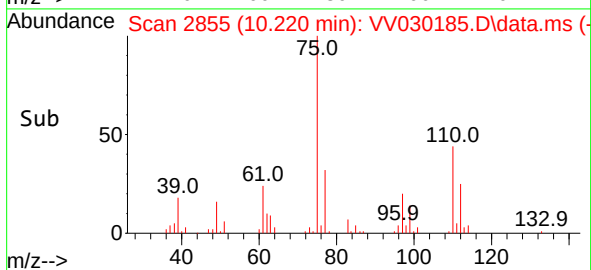
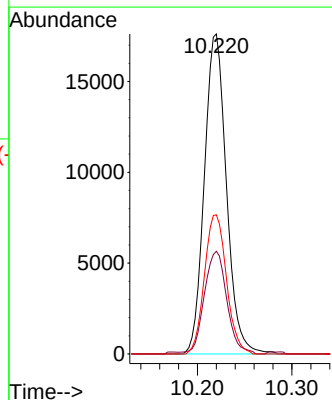
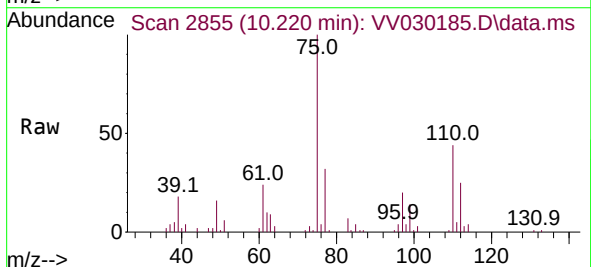
Instrument :
MSVOA_V
ClientSampleId :
VSTD005299

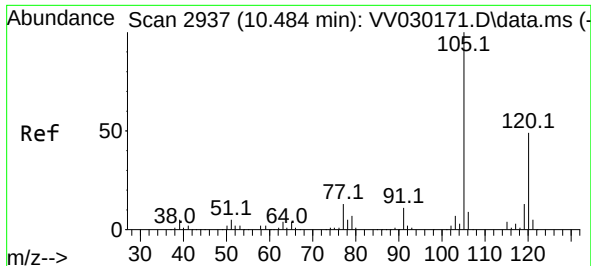
Tgt Ion:105 Resp: 236497
Ion Ratio Lower Upper
105 100
120 26.4 21.4 32.0
77 15.3 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 4.517 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. -0.000 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

Tgt Ion: 75 Resp: 28584
Ion Ratio Lower Upper
75 100
77 32.7 26.5 39.7
110 43.4 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.192 ug/L

RT: 10.487 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

Instrument :

MSVOA_V

ClientSampleId :

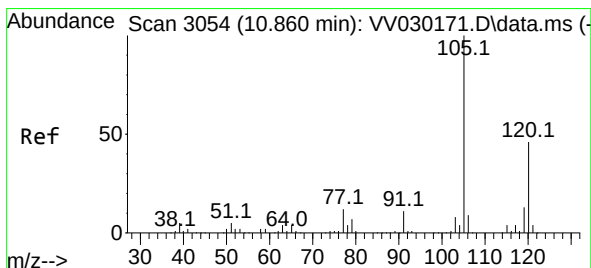
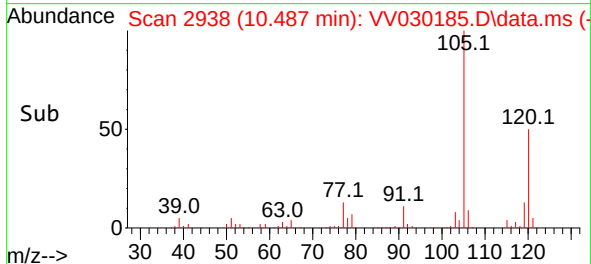
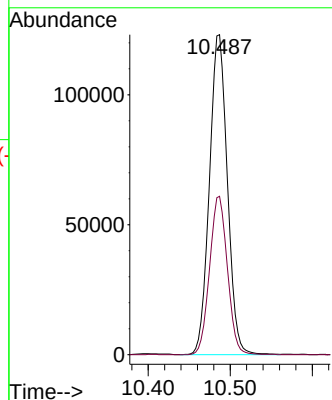
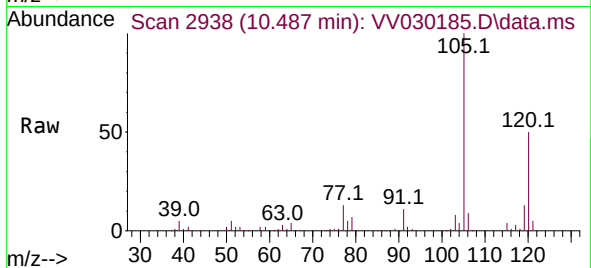
VSTD005299

Tgt Ion:105 Resp: 187314

Ion Ratio Lower Upper

105 100

120 49.0 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.311 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030185.D

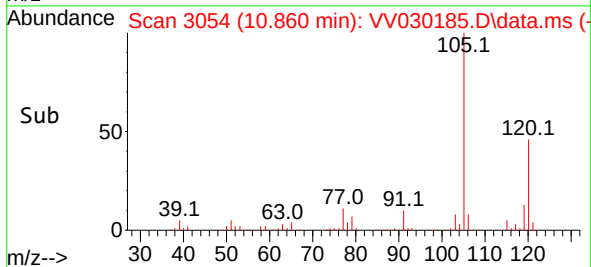
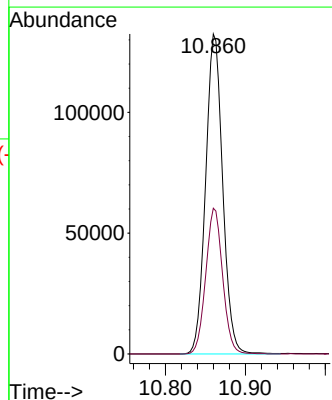
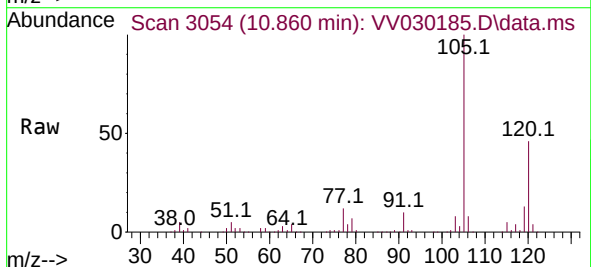
Acq: 13 Mar 2023 18:41

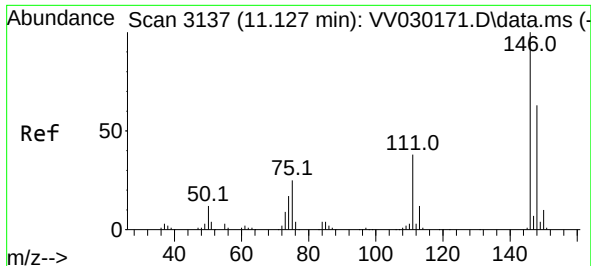
Tgt Ion:105 Resp: 197041

Ion Ratio Lower Upper

105 100

120 45.0 36.2 54.4

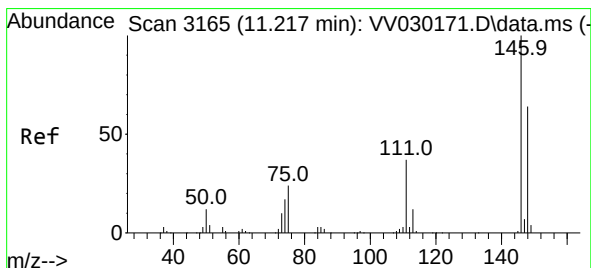
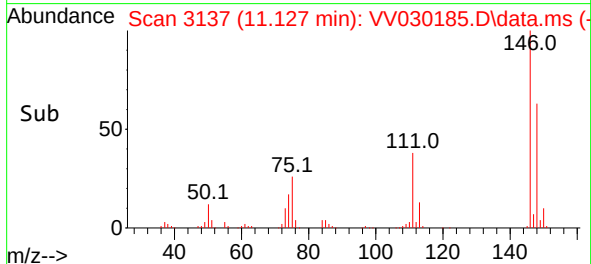
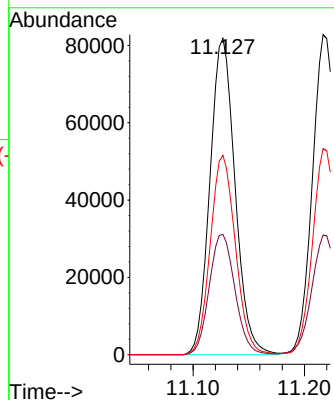
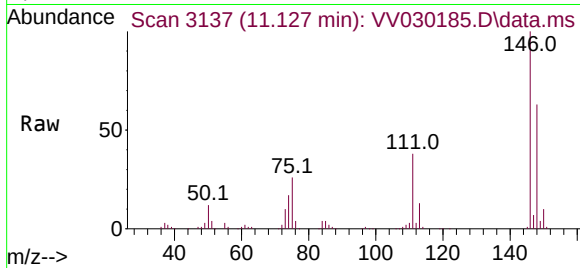




#64
1,3-Dichlorobenzene
Concen: 4.529 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. -0.000 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

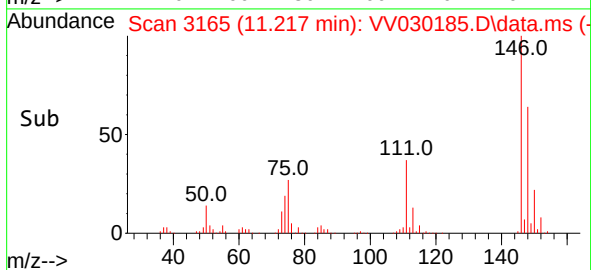
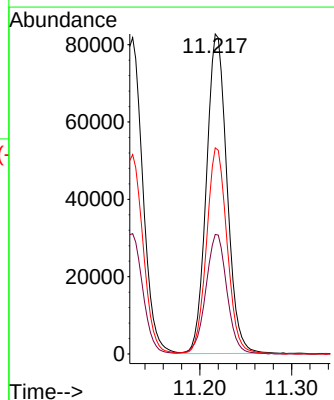
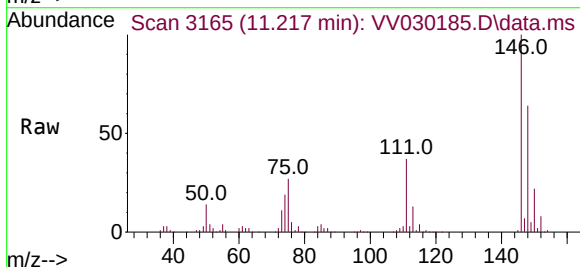
Instrument :
MSVOA_V
ClientSampleId :
VSTD005299

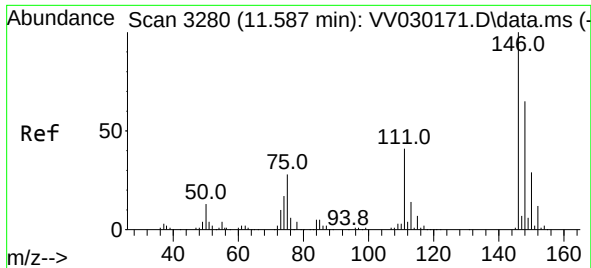
Tgt Ion:146 Resp: 128277
Ion Ratio Lower Upper
146 100
111 38.1 27.7 51.5
148 63.0 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.505 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

Tgt Ion:146 Resp: 128735
Ion Ratio Lower Upper
146 100
111 37.3 27.4 51.0
148 64.4 44.1 81.9

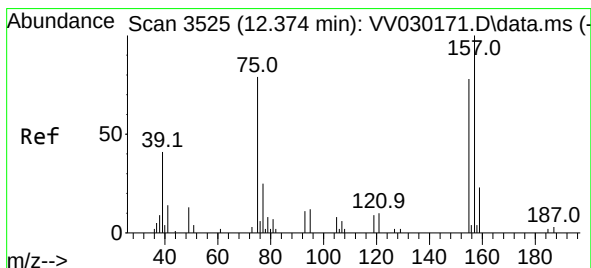
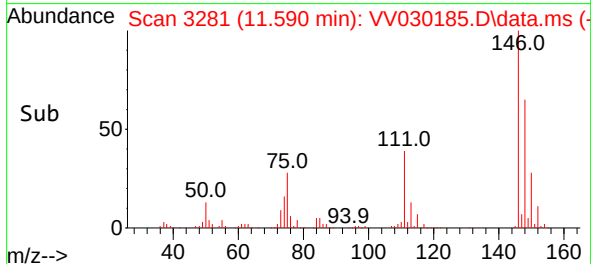
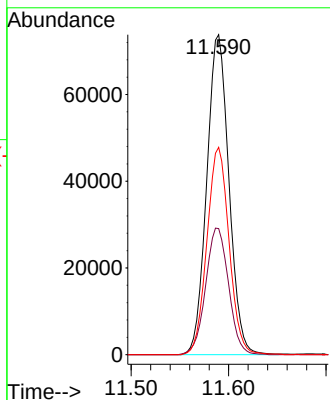
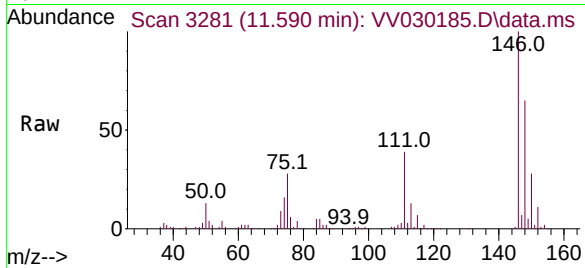




#67
1,2-Dichlorobenzene
Concen: 4.665 ug/L
RT: 11.590 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

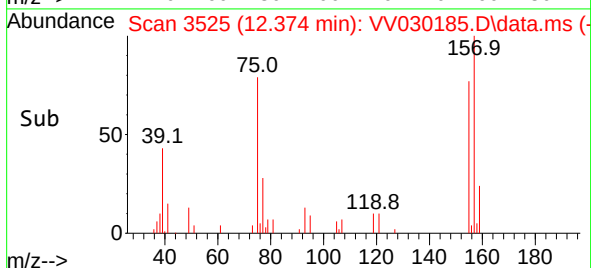
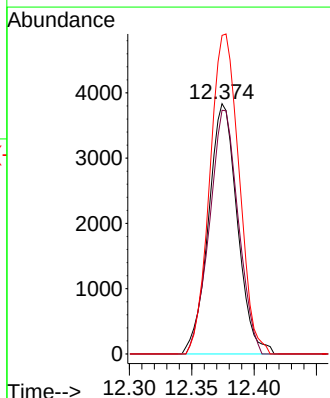
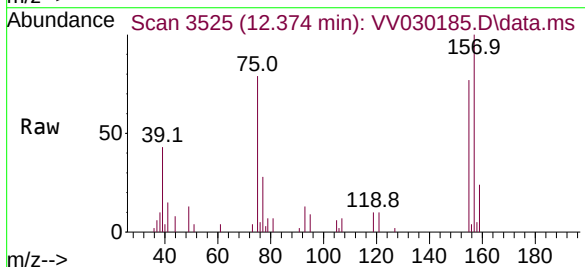
Instrument :
MSVOA_V
ClientSampleId :
VSTD005299

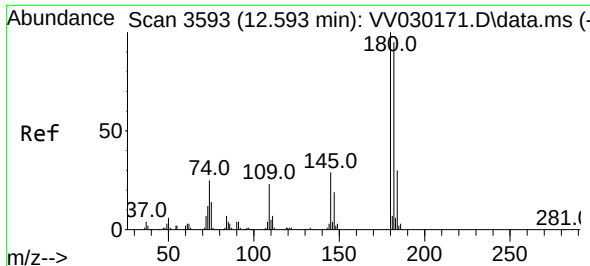
Tgt Ion:146 Resp: 116678
Ion Ratio Lower Upper
146 100
111 39.4 33.5 50.3
148 64.8 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 4.362 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. -0.000 min
Lab File: VV030185.D
Acq: 13 Mar 2023 18:41

Tgt Ion: 75 Resp: 6164
Ion Ratio Lower Upper
75 100
155 97.4 79.1 118.7
157 127.3 95.5 143.3

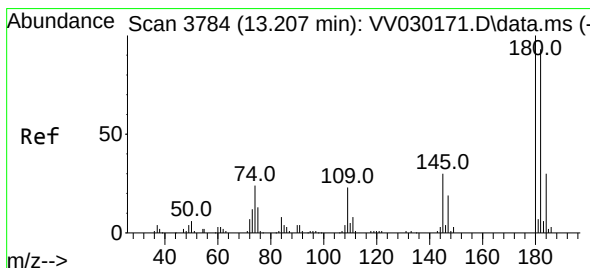
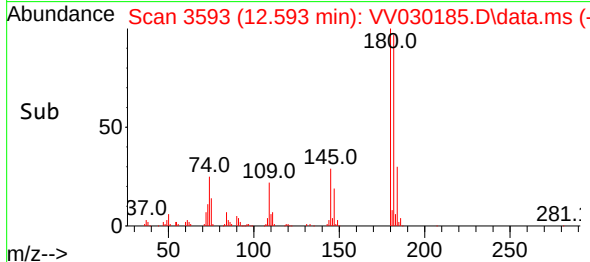
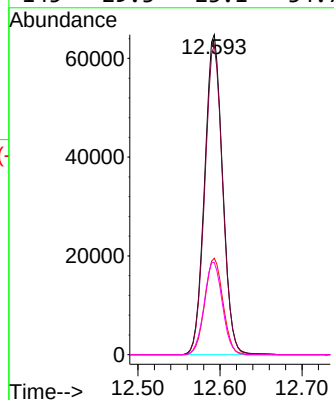
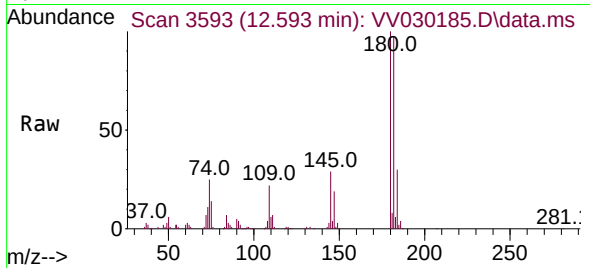




#69
 1,3,5-Trichlorobenzene
 Concen: 4.234 ug/L
 RT: 12.593 min Scan# 3593
 Delta R.T. -0.000 min
 Lab File: VV030185.D
 Acq: 13 Mar 2023 18:41

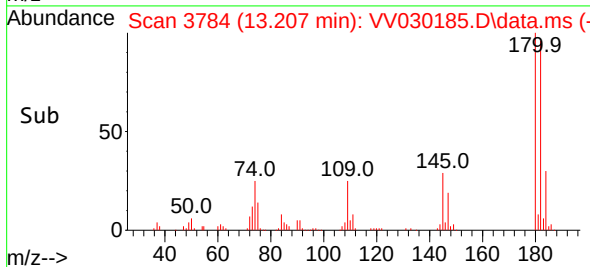
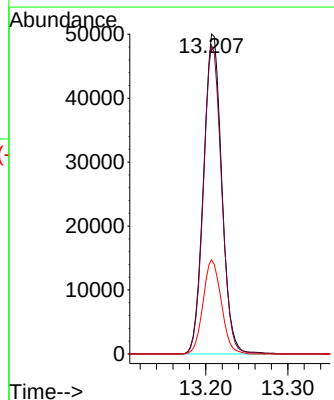
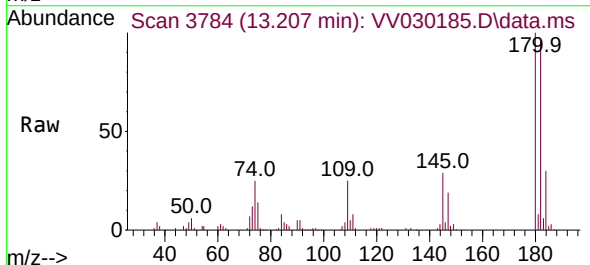
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005299

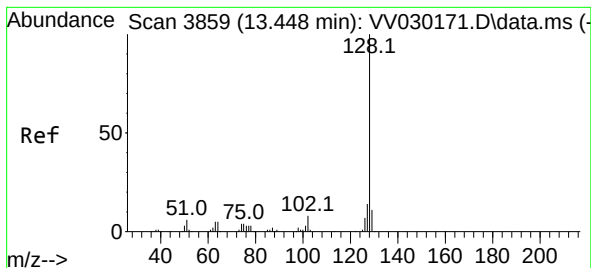
Tgt Ion:180	Resp:	98576
Ion Ratio	Lower	Upper
180	100	
182	96.3	76.5 114.7
184	30.4	24.3 36.5
145	29.3	23.1 34.7



#70
 1,2,4-trichlorobenzene
 Concen: 4.096 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. -0.000 min
 Lab File: VV030185.D
 Acq: 13 Mar 2023 18:41

Tgt Ion:180	Resp:	77262
Ion Ratio	Lower	Upper
180	100	
182	96.1	77.3 115.9
145	29.4	23.1 34.7





#71

Naphthalene

Concen: 3.882 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005299

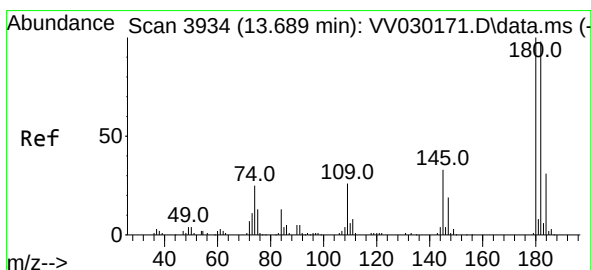
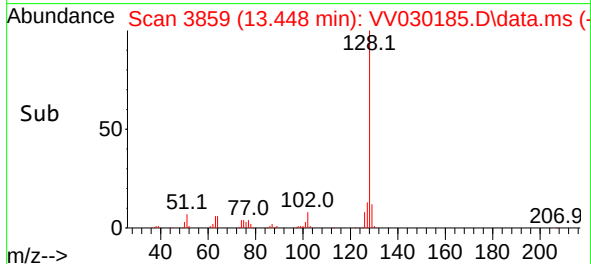
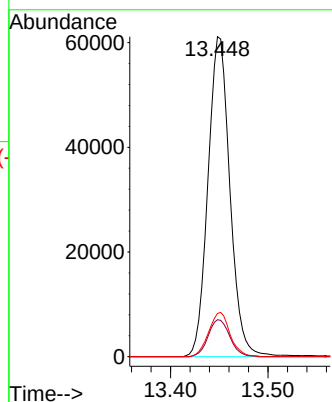
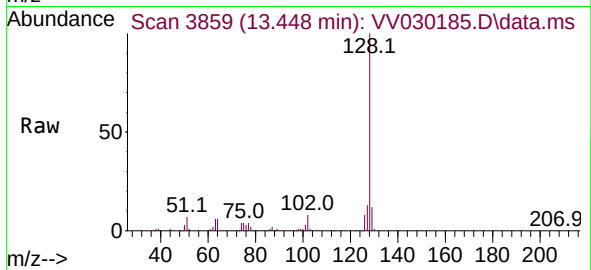
Tgt Ion:128 Resp: 95700

Ion Ratio Lower Upper

128 100

129 11.4 8.6 13.0

127 13.5 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.232 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030185.D

Acq: 13 Mar 2023 18:41

Tgt Ion:180 Resp: 65714

Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.2

145 30.9 25.1 37.7

