

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U041322\
 Data File : U048017.D
 Acq On : 13 Apr 2022 20:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050198

Quant Time: Apr 14 03:11:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 14 02:49:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	363317	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	375884	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	219077	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	130223	49.427	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.860%		
7) Chloroethane-d5	1.913	69	109171	52.551	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	105.100%		
11) 1,1-Dichloroethene-d2	2.572	63	224476	46.569	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.140%		
21) 2-Butanone-d5	4.620	46	213984	94.626	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.630%		
24) Chloroform-d	5.067	84	241729	50.144	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.280%		
26) 1,2-Dichloroethane-d4	5.704	65	149672	50.622	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.240%		
32) Benzene-d6	5.729	84	482217	50.983	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.960%		
36) 1,2-Dichloropropane-d6	6.691	67	154798	53.292	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	106.580%		
41) Toluene-d8	7.900	98	455526	49.432	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.860%		
43) trans-1,3-Dichloroprop...	8.179	79	67033	45.551	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.100%		
47) 2-Hexanone-d5	8.633	63	163261	96.012	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.010%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	241100	48.365	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.720%		
66) 1,2-Dichlorobenzene-d4	12.192	152	190820	48.958	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.920%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	154242	45.792	ug/L	99
3) Chloromethane	1.524	50	170279	52.861	ug/L	99
5) Vinyl chloride	1.607	62	169918	51.721	ug/L	99
6) Bromomethane	1.855	94	97049	54.884	ug/L	97
8) Chloroethane	1.935	64	105932	51.364	ug/L	99
9) Trichlorofluoromethane	2.141	101	215739	46.569	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	128779	48.090	ug/L	98
12) 1,1-Dichloroethene	2.581	96	122991	49.350	ug/L	89
13) Acetone	2.623	43	146477	69.604	ug/L	99
14) Carbon disulfide	2.797	76	334645	42.480	ug/L	99
15) Methyl Acetate	2.948	43	166663	49.666	ug/L	97
16) Methylene chloride	3.048	84	152567	53.348	ug/L	98
17) trans-1,2-Dichloroethene	3.356	96	133614	49.706	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	417146	55.006	ug/L	99
19) 1,1-Dichloroethane	3.874	63	252390	54.441	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	153014	51.922	ug/L	94
22) 2-Butanone	4.700	43	240677	88.783	ug/L	96
23) Bromochloromethane	4.977	128	84641	52.311	ug/L	96
25) Chloroform	5.089	83	263080	52.708	ug/L	99

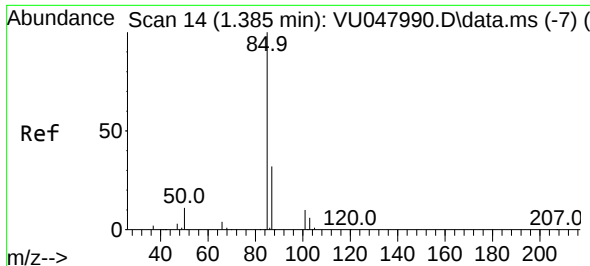
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041322\
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 QLast Update : Thu Apr 14 02:49:33 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	202387	52.484	ug/L	98
29) Cyclohexane	5.392	56	196713	51.574	ug/L	96
30) 1,1,1-Trichloroethane	5.318	97	218360	51.233	ug/L	99
31) Carbon tetrachloride	5.527	117	183695	47.729	ug/L	100
33) Benzene	5.774	78	582482	53.537	ug/L	100
34) Trichloroethene	6.543	95	145777	51.106	ug/L	99
35) Methylcyclohexane	6.765	83	207849	47.897	ug/L	97
37) 1,2-Dichloropropane	6.794	63	153900	55.642	ug/L	100
38) Bromodichloromethane	7.105	83	196516	51.740	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	216978	50.559	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	446629	102.170	ug/L	98
42) Toluene	7.970	91	633043	53.027	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	214476	50.053	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	157142	53.570	ug/L	99
46) Tetrachloroethene	8.556	164	123567	48.206	ug/L	99
48) 2-Hexanone	8.684	43	360970	95.996	ug/L	98
49) Dibromochloromethane	8.810	129	166011	48.862	ug/L	99
50) 1,2-Dibromoethane	8.925	107	168813	51.333	ug/L	100
51) Chlorobenzene	9.446	112	423014	52.187	ug/L	98
52) Ethylbenzene	9.572	91	651264	51.884	ug/L	99
53) m,p-Xylene	9.694	106	260807	52.952	ug/L	99
54) o-Xylene	10.102	106	257273	53.221	ug/L	99
55) Styrene	10.115	104	438699	53.155	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.784	83	277314	50.427	ug/L	99
59) Bromoform	10.292	173	131670	47.002	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	214955	52.048	ug/L	98
61) Isopropylbenzene	10.485	105	651586	55.033	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	342399	53.299	ug/L	100
63) 1,2,4-Trimethylbenzene	11.469	105	530443	54.360	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	337680	51.312	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	339872	49.860	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	341979	51.934	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	63515	48.011	ug/L	96
69) 1,3,5-Trichlorobenzene	13.221	180	255415	47.789	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	230803	49.302	ug/L	100
71) Naphthalene	14.086	128	708645	50.773	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	234190	49.902	ug/L	99

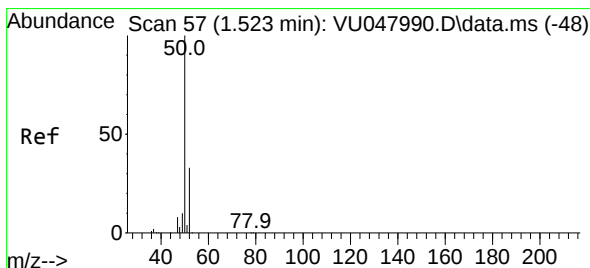
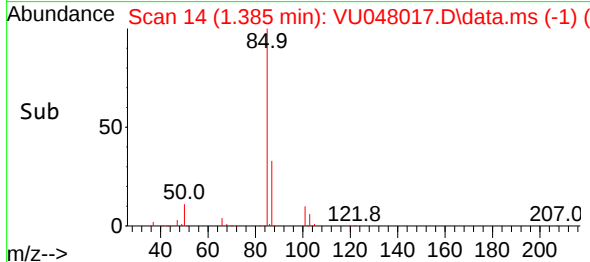
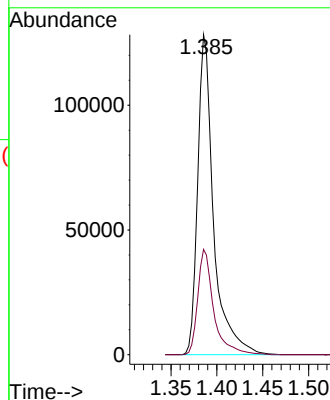
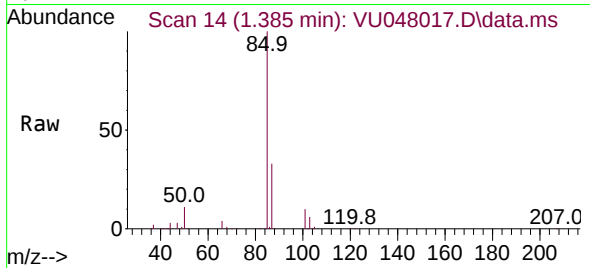
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#2
Dichlorodifluoromethane
Concen: 45.792 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

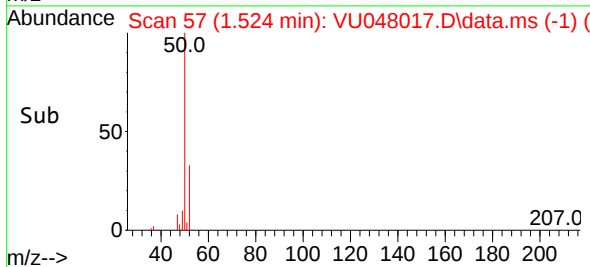
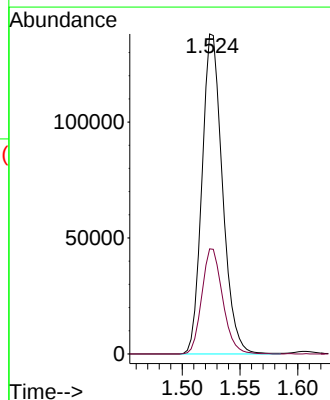
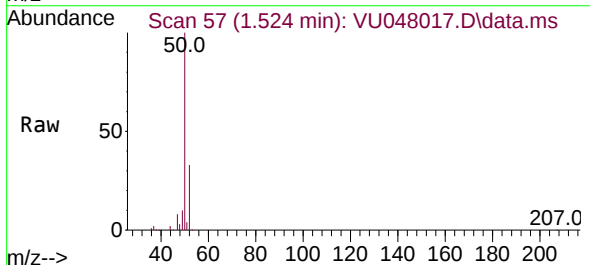
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

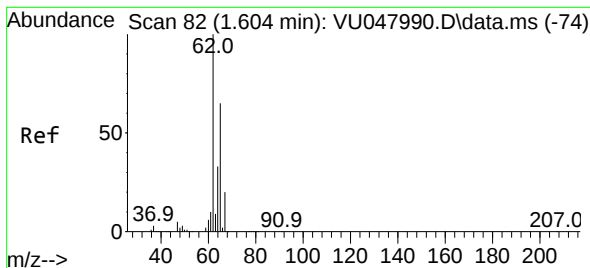
Tgt Ion: 85 Resp: 154242
Ion Ratio Lower Upper
85 100
87 33.1 25.8 38.8



#3
Chloromethane
Concen: 52.861 ug/L
RT: 1.524 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

Tgt Ion: 50 Resp: 170279
Ion Ratio Lower Upper
50 100
52 32.9 23.2 43.2





#5

Vinyl chloride

Concen: 51.721 ug/L

RT: 1.607 min Scan# 81

Delta R.T. 0.004 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

Instrument :

MSVOA_U

ClientSampleId :

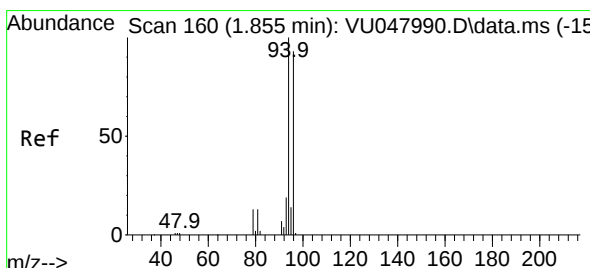
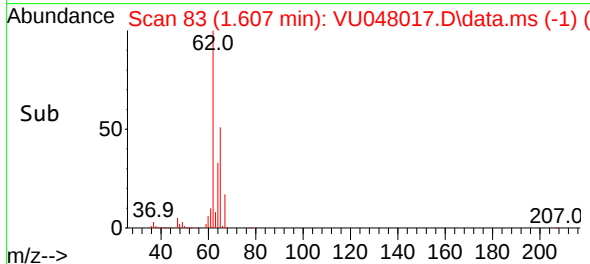
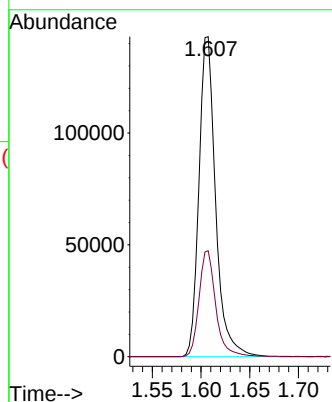
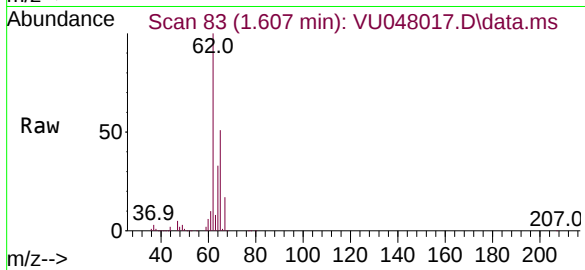
VSTD050198

Tgt Ion: 62 Resp: 169918

Ion Ratio Lower Upper

62 100

64 33.1 23.7 43.9



#6

Bromomethane

Concen: 54.884 ug/L

RT: 1.855 min Scan# 160

Delta R.T. 0.000 min

Lab File: VU048017.D

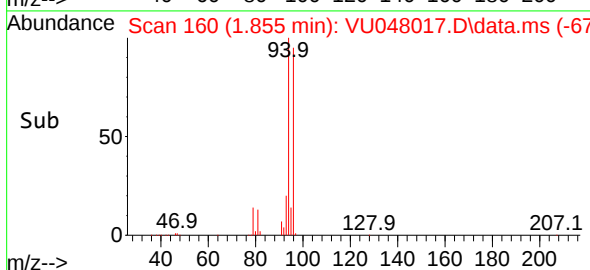
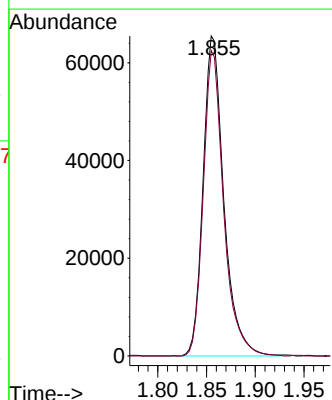
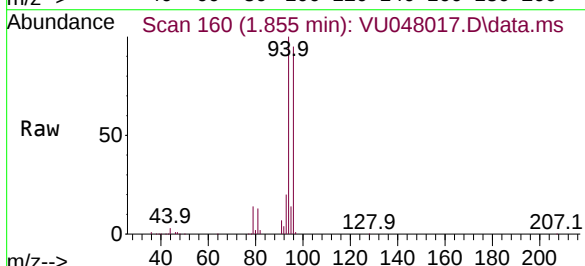
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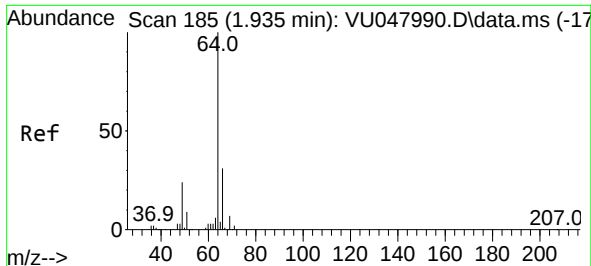
Tgt Ion: 94 Resp: 97049

Ion Ratio Lower Upper

94 100

96 95.4 64.8 120.3

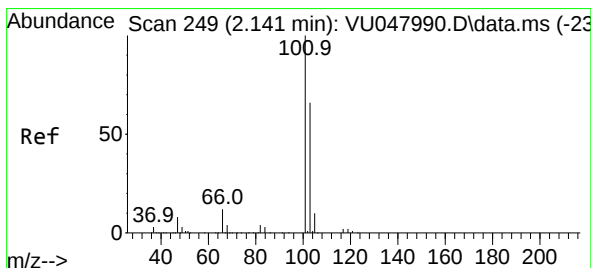
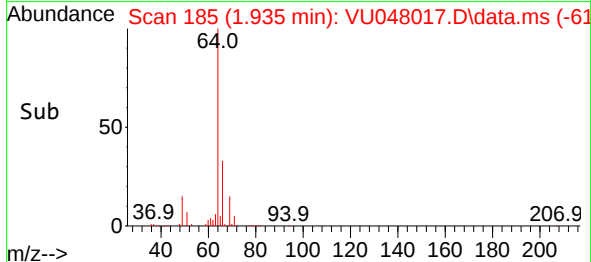
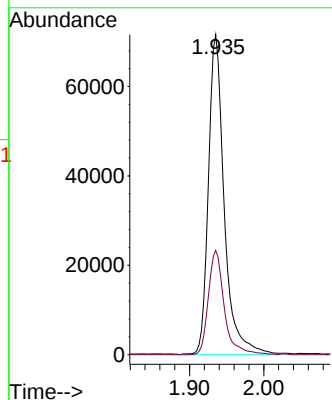
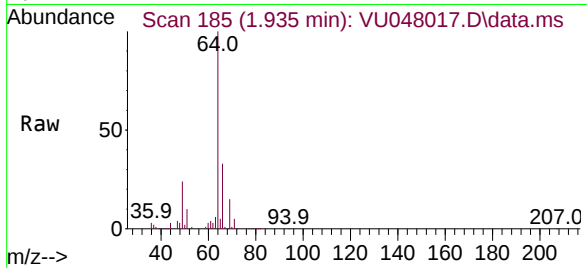




#8
Chloroethane
Concen: 51.364 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

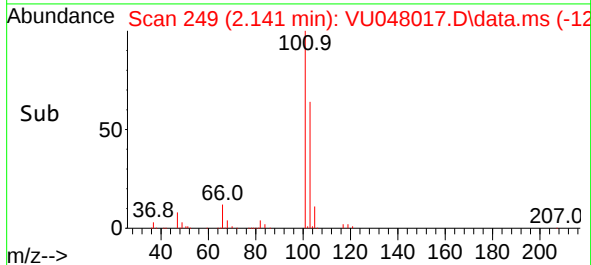
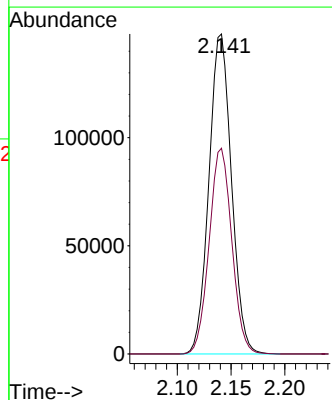
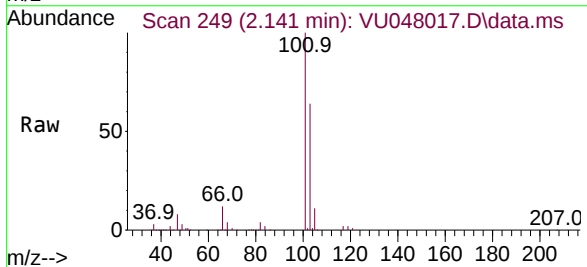
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

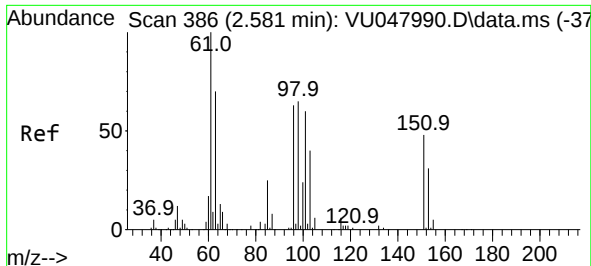
Tgt Ion: 64 Resp: 105932
Ion Ratio Lower Upper
64 100
66 32.6 23.3 43.3



#9
Trichlorofluoromethane
Concen: 46.569 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

Tgt Ion:101 Resp: 215739
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.2

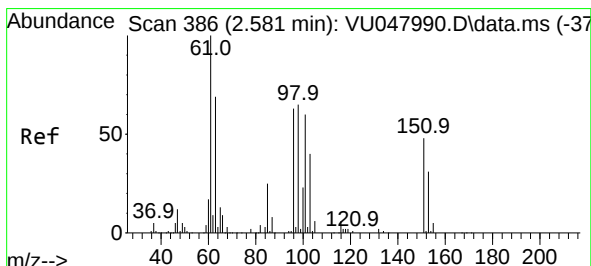
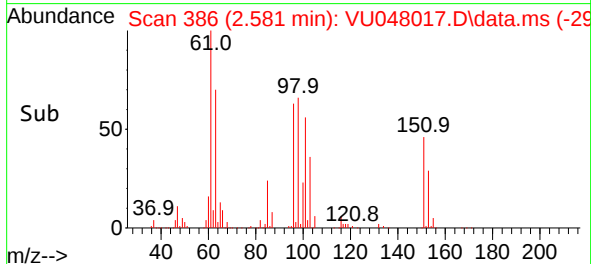
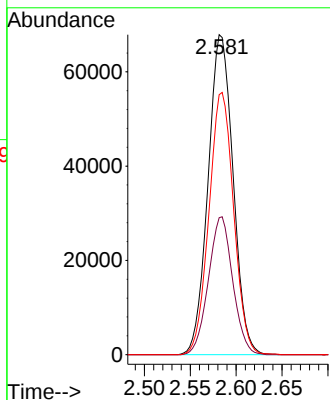
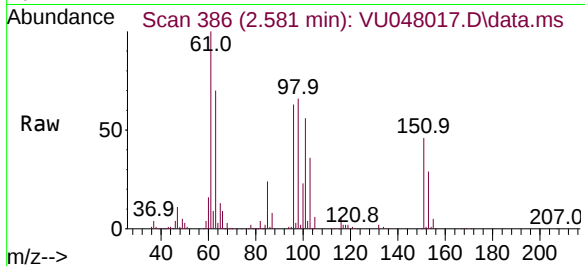




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 48.090 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

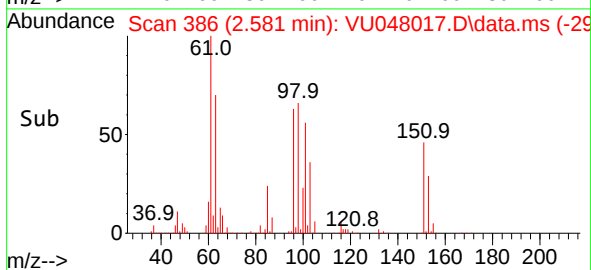
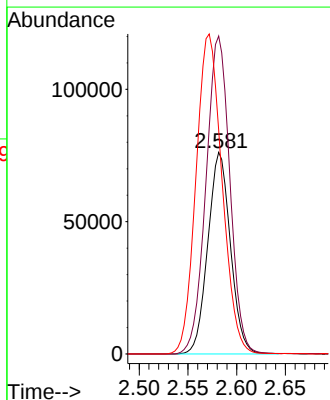
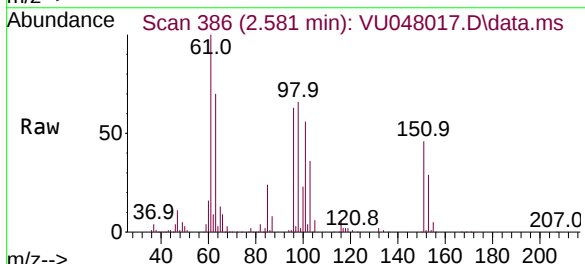
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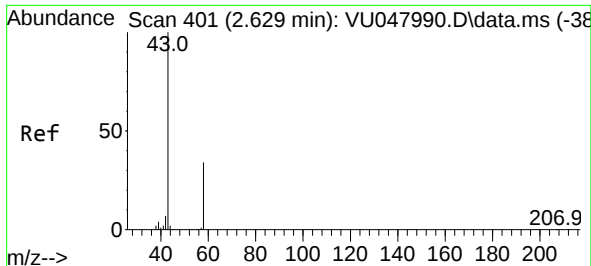
Tgt Ion:101 Resp: 128779
Ion Ratio Lower Upper
101 100
85 41.8 32.8 49.2
151 81.0 63.0 94.6



#12
1,1-Dichloroethene
Concen: 49.350 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

Tgt Ion: 96 Resp: 122991
Ion Ratio Lower Upper
96 100
61 157.8 113.1 210.1
63 111.1 94.8 176.0





#13

Acetone

Concen: 69.604 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.006 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

Instrument :

MSVOA_U

ClientSampleId :

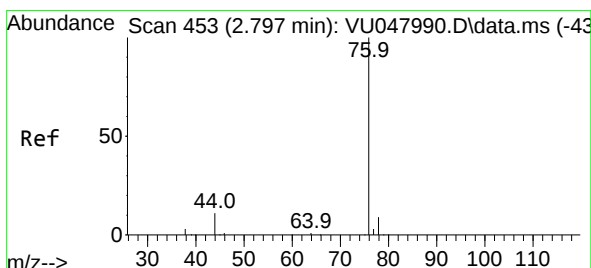
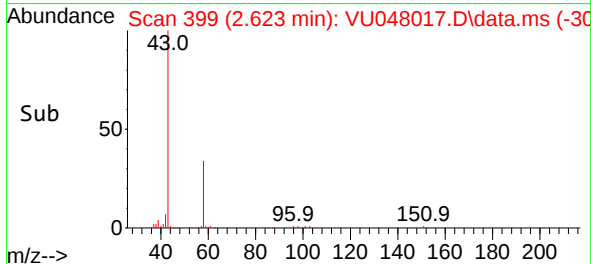
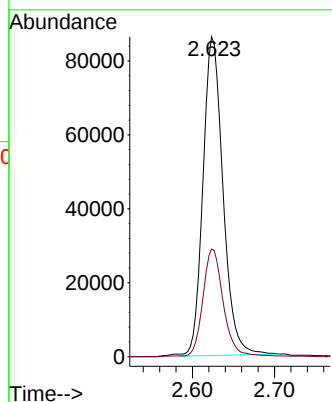
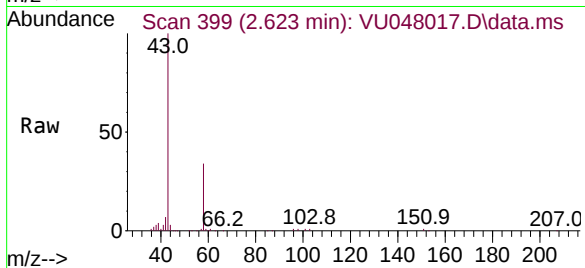
VSTD050198

Tgt Ion: 43 Resp: 146477

Ion Ratio Lower Upper

43 100

58 34.5 0.0 70.0



#14

Carbon disulfide

Concen: 42.480 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.000 min

Lab File: VU048017.D

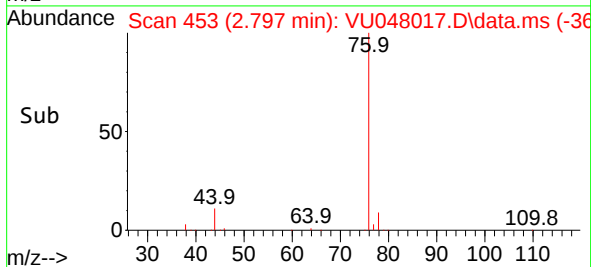
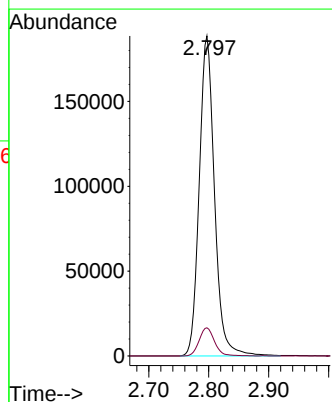
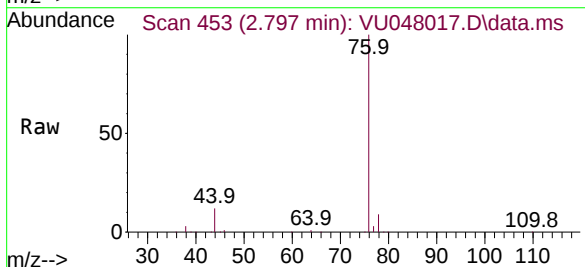
Acq: 13 Apr 2022 20:26

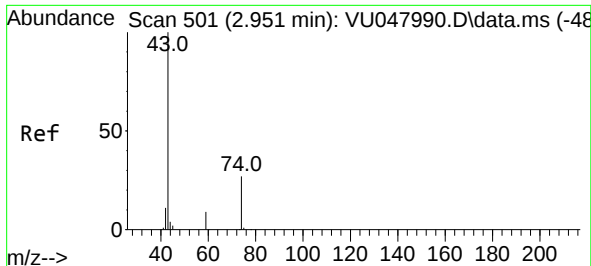
Tgt Ion: 76 Resp: 334645

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

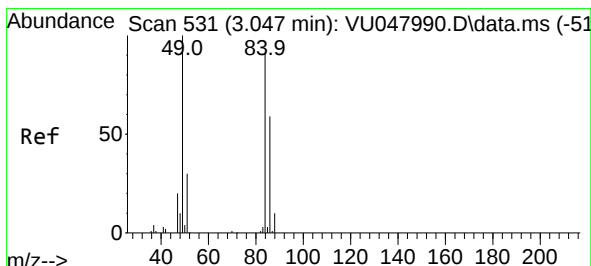
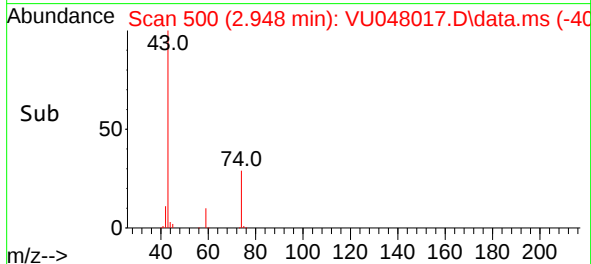
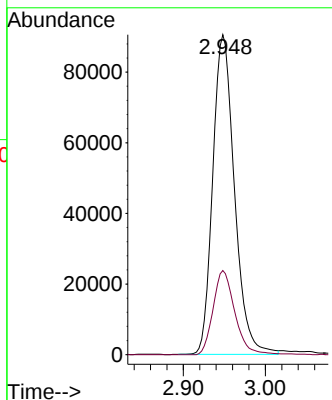
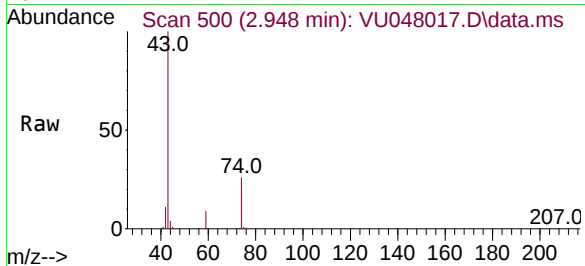




#15
Methyl Acetate
Concen: 49.666 ug/L
RT: 2.948 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

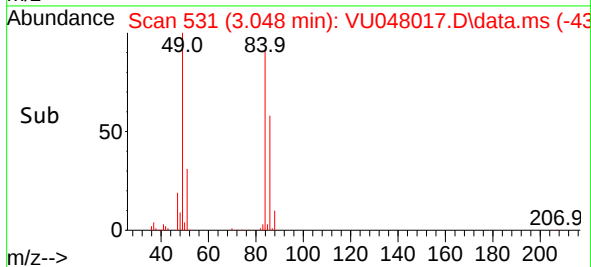
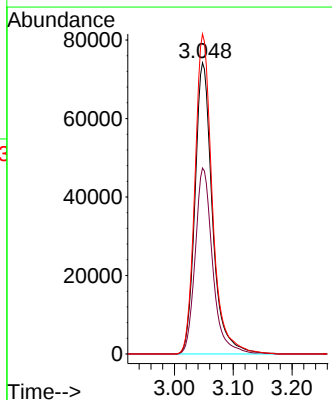
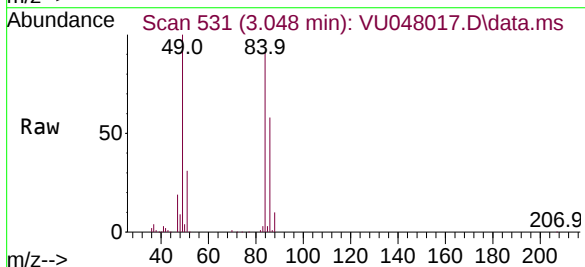
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

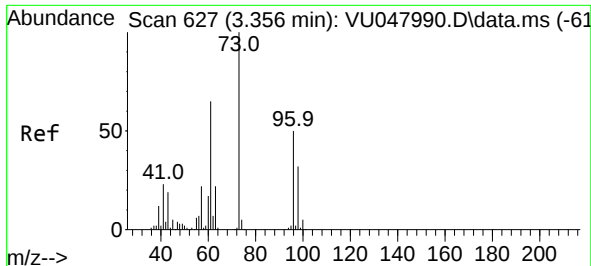
Tgt Ion: 43 Resp: 166663
Ion Ratio Lower Upper
43 100
74 26.3 22.2 33.2



#16
Methylene chloride
Concen: 53.348 ug/L
RT: 3.048 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

Tgt Ion: 84 Resp: 152567
Ion Ratio Lower Upper
84 100
86 63.8 46.0 85.4
49 109.9 75.3 139.8





#17

trans-1,2-Dichloroethene

Concen: 49.706 ug/L

RT: 3.356 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD050198

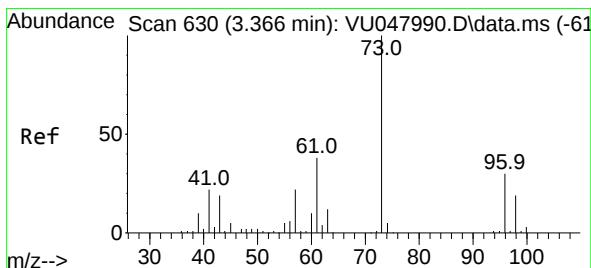
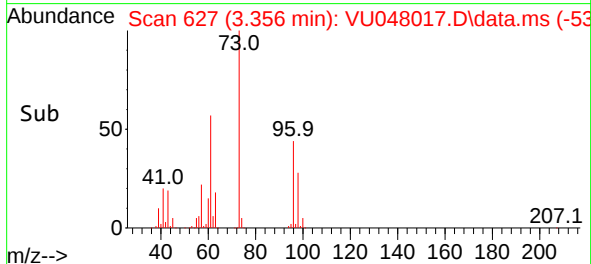
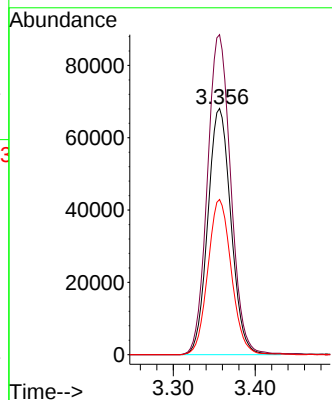
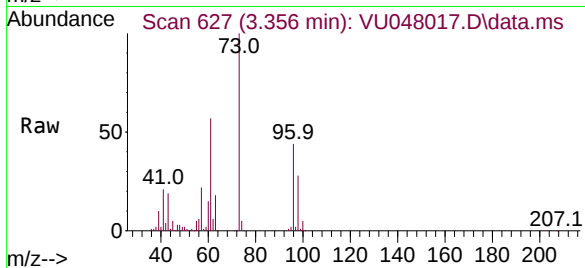
Tgt Ion: 96 Resp: 133614

Ion Ratio Lower Upper

96 100

61 130.0 88.4 164.2

98 63.0 43.3 80.5



#18

Methyl tert-butyl Ether

Concen: 55.006 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.000 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

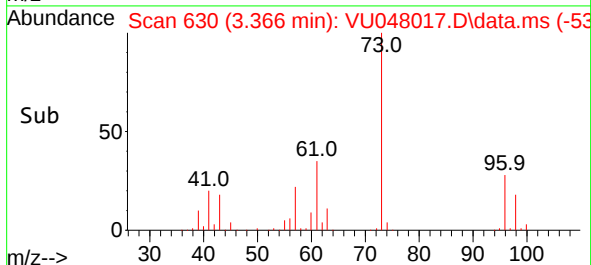
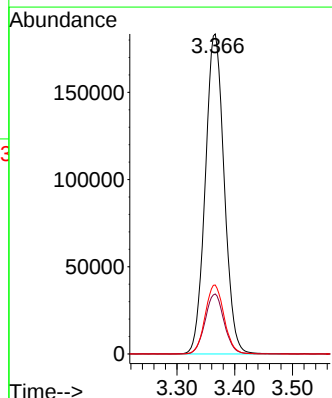
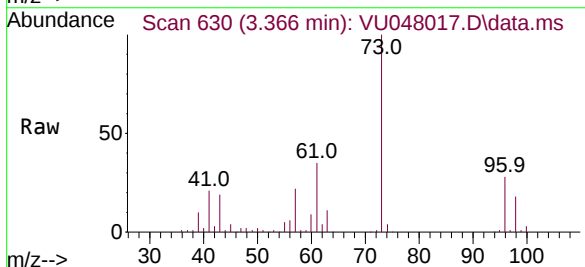
Tgt Ion: 73 Resp: 417146

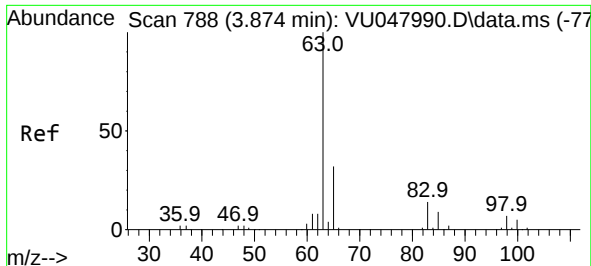
Ion Ratio Lower Upper

73 100

43 18.6 15.3 22.9

57 21.6 17.0 25.6





#19

1,1-Dichloroethane

Concen: 54.441 ug/L

RT: 3.874 min Scan# 788

Delta R.T. 0.000 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD050198

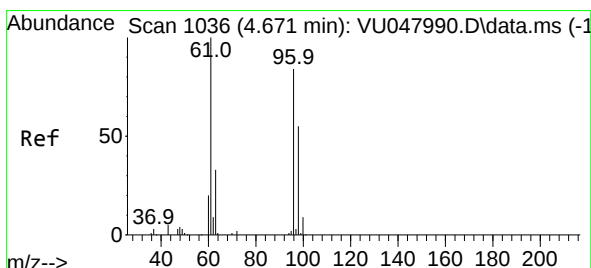
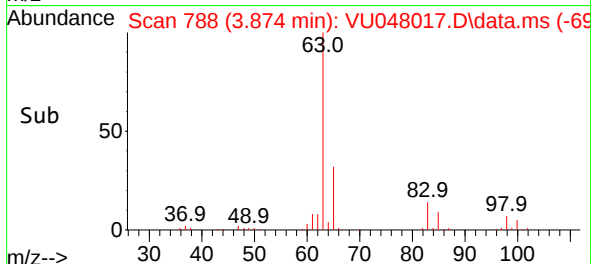
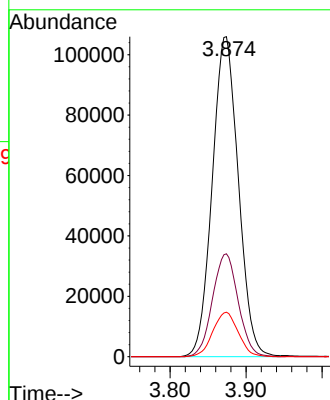
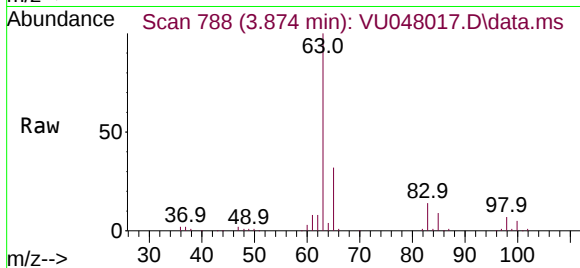
Tgt Ion: 63 Resp: 252390

Ion Ratio Lower Upper

63 100

65 32.2 22.0 41.0

83 13.9 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 51.922 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

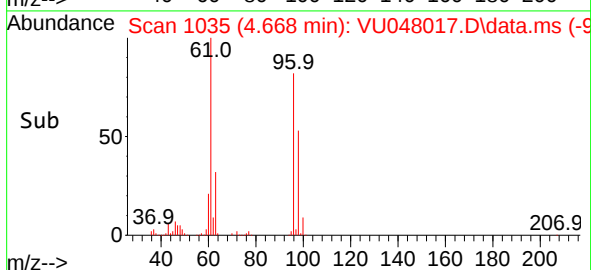
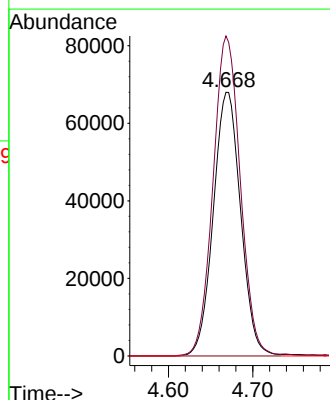
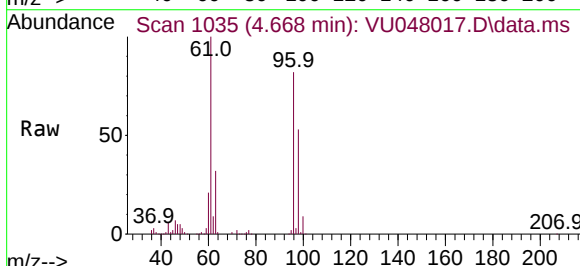
Tgt Ion: 96 Resp: 153014

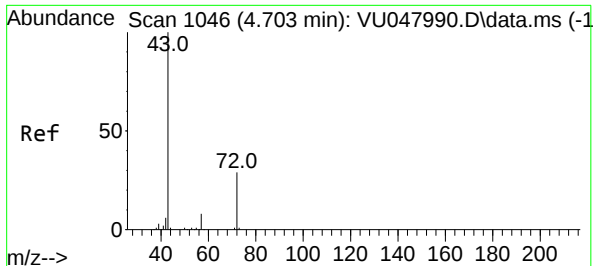
Ion Ratio Lower Upper

96 100

61 121.4 80.7 149.9

68 0.0 0.0 0.0

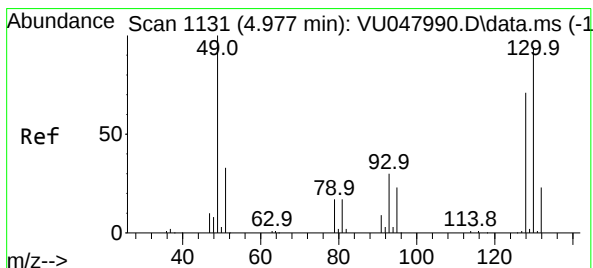
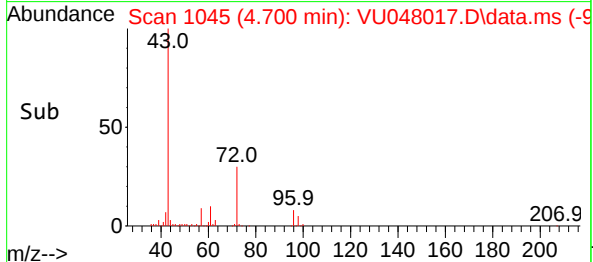
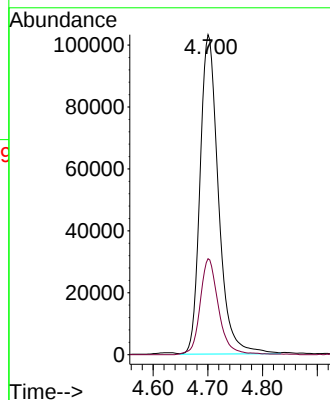
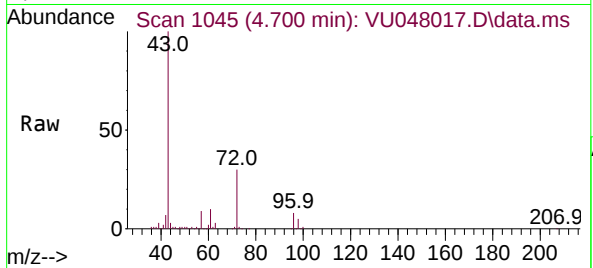




#22
2-Butanone
Concen: 88.783 ug/L
RT: 4.700 min Scan# 1046
Delta R.T. -0.003 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

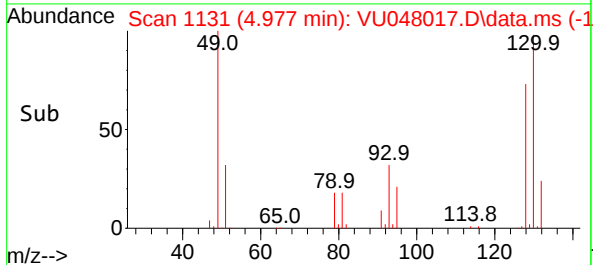
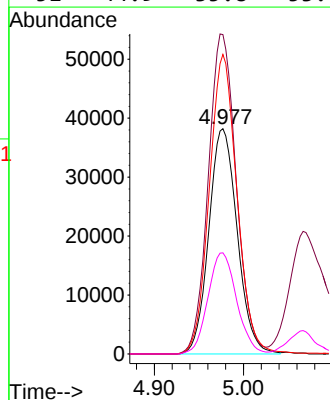
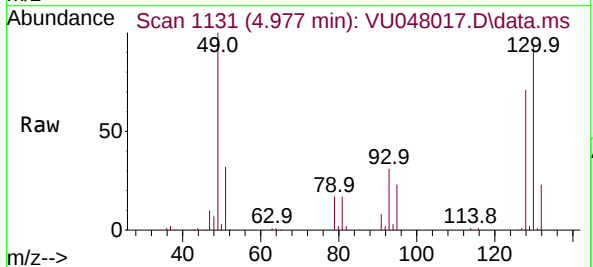
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

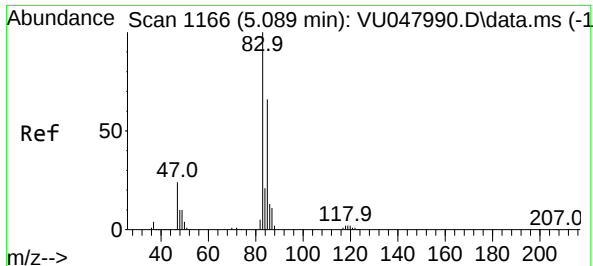
Tgt Ion: 43 Resp: 240677
Ion Ratio Lower Upper
43 100
72 29.8 16.0 47.9



#23
Bromochloromethane
Concen: 52.311 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

Tgt Ion: 128 Resp: 84641
Ion Ratio Lower Upper
128 100
49 141.8 94.1 174.8
130 133.0 90.2 167.4
51 44.9 35.8 53.6





#25

Chloroform

Concen: 52.708 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

Instrument :

MSVOA_U

ClientSampleId :

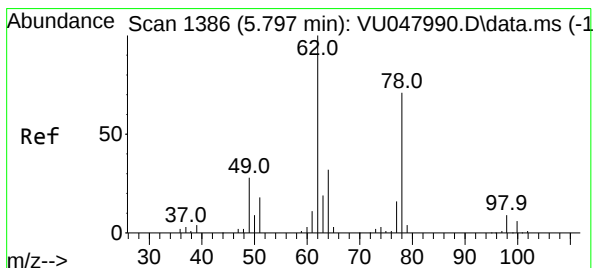
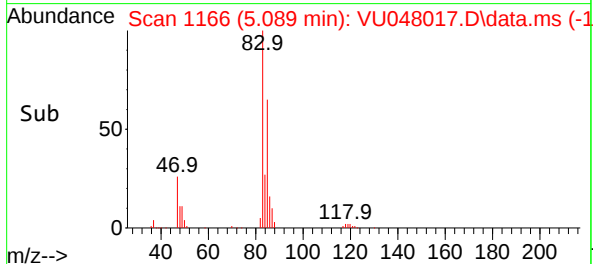
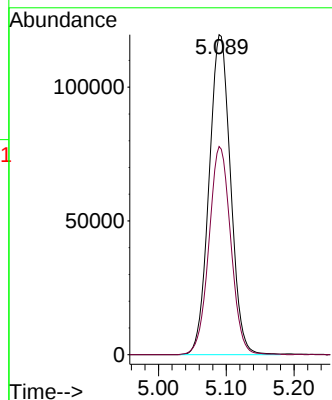
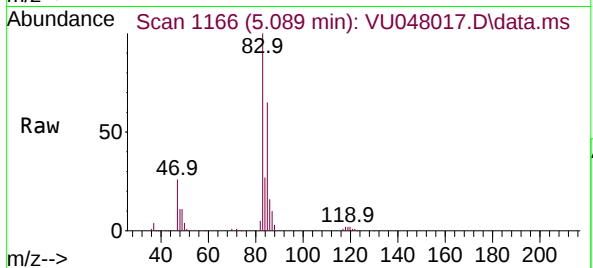
VSTD050198

Tgt Ion: 83 Resp: 263080

Ion Ratio Lower Upper

83 100

85 65.1 46.2 85.8



#27

1,2-Dichloroethane

Concen: 52.484 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU048017.D

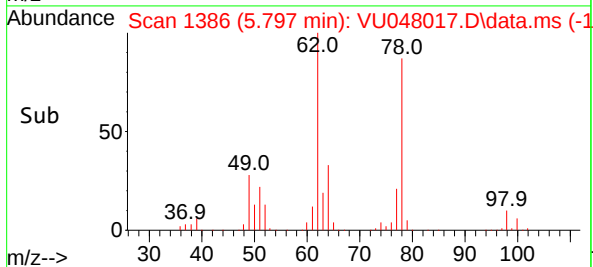
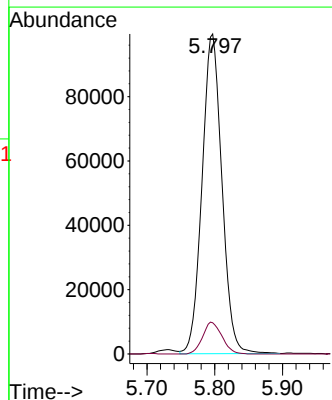
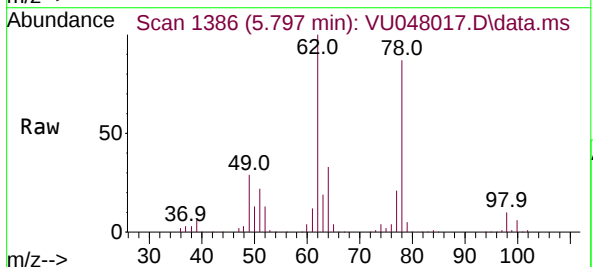
Acq: 13 Apr 2022 20:26

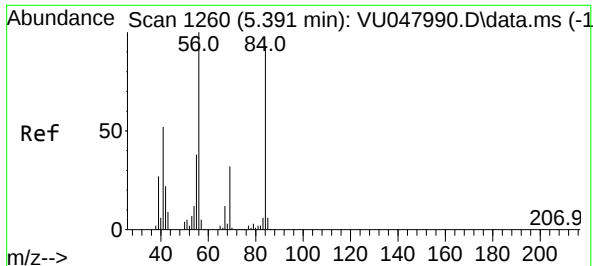
Tgt Ion: 62 Resp: 202387

Ion Ratio Lower Upper

62 100

98 9.8 7.4 11.0





#29

Cyclohexane

Concen: 51.574 ug/L

RT: 5.392 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD050198

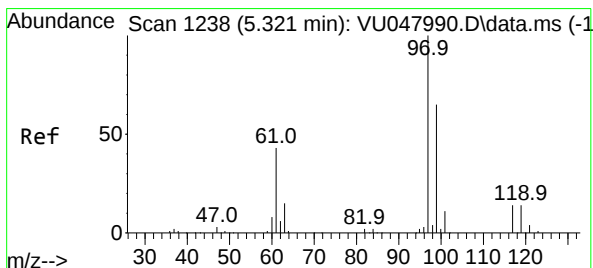
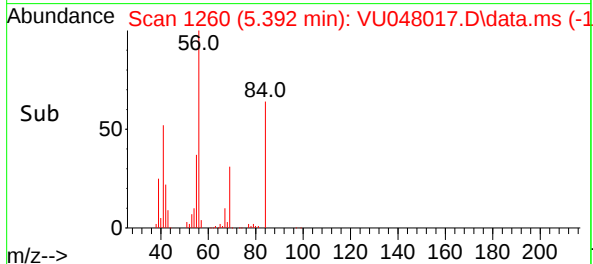
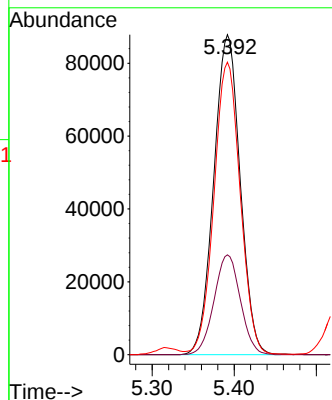
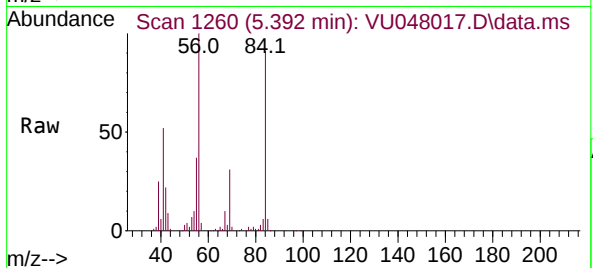
Tgt Ion: 56 Resp: 196713

Ion Ratio Lower Upper

56 100

69 31.1 25.4 38.2

84 90.9 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 51.233 ug/L

RT: 5.318 min Scan# 1237

Delta R.T. -0.003 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

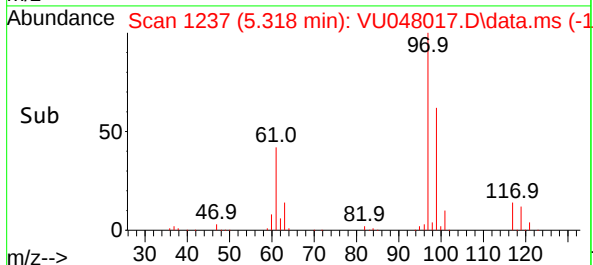
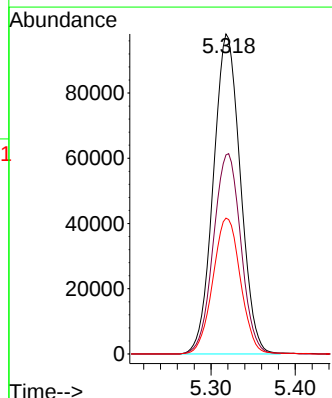
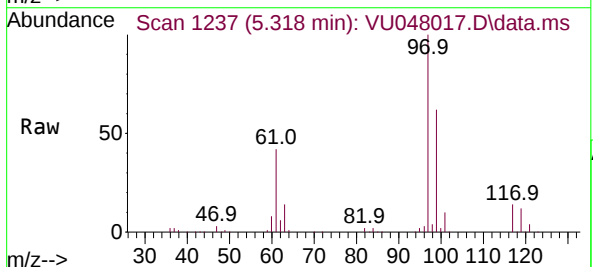
Tgt Ion: 97 Resp: 218360

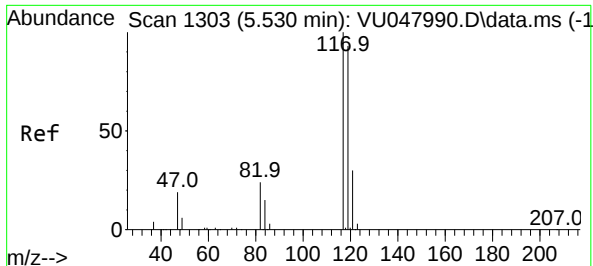
Ion Ratio Lower Upper

97 100

99 63.8 51.6 77.4

61 43.4 34.2 51.4

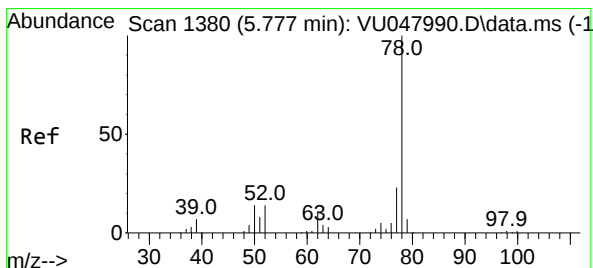
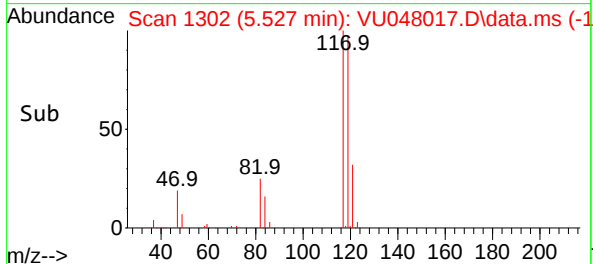
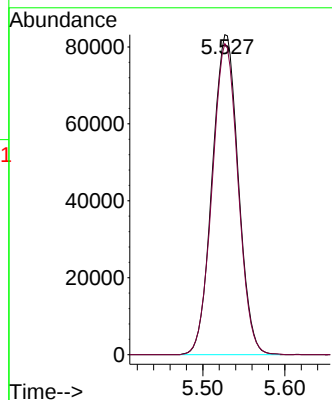
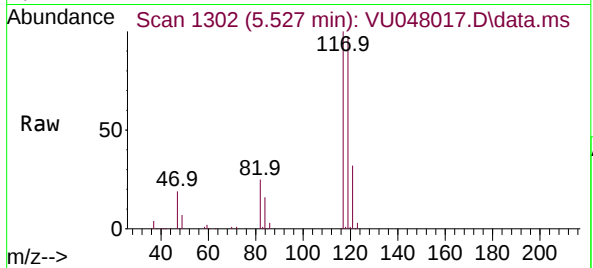




#31
Carbon tetrachloride
Concen: 47.729 ug/L
RT: 5.527 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

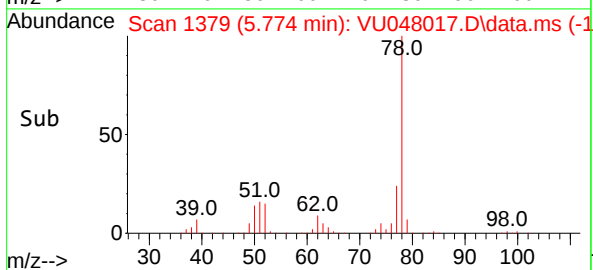
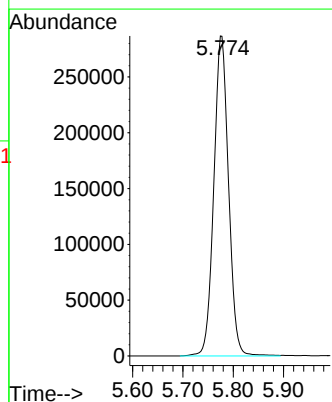
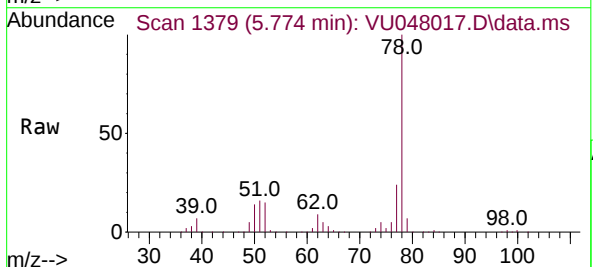
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

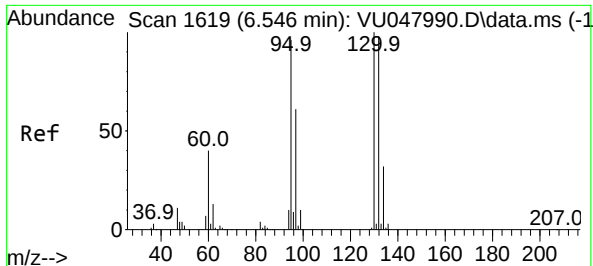
Tgt Ion:117 Resp: 183695
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8



#33
Benzene
Concen: 53.537 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

Tgt Ion: 78 Resp: 582482





#34

Trichloroethene

Concen: 51.106 ug/L

RT: 6.543 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD050198

Tgt Ion: 95 Resp: 145777

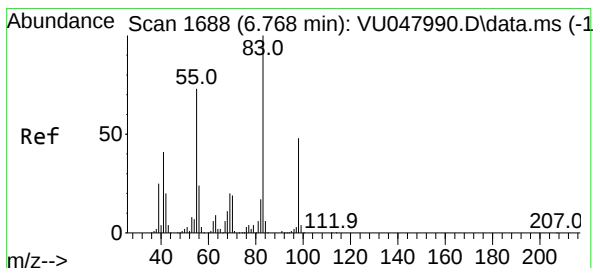
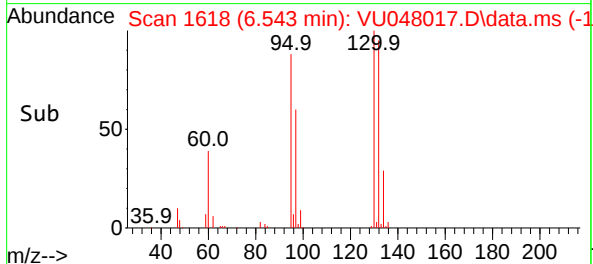
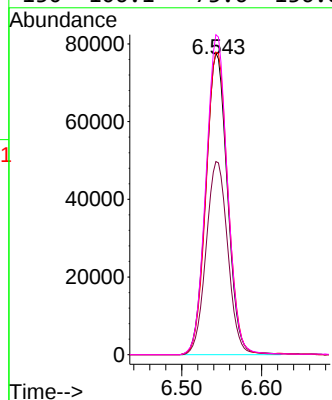
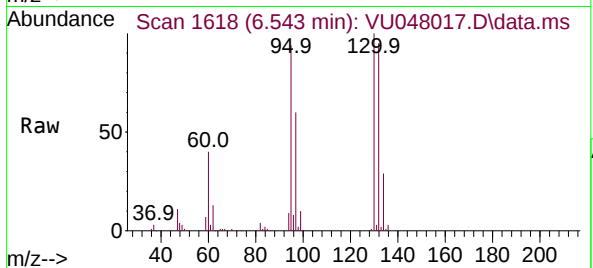
Ion Ratio Lower Upper

95 100

97 64.0 44.7 82.9

132 100.3 70.4 130.8

130 106.1 73.6 136.8



#35

Methylcyclohexane

Concen: 47.897 ug/L

RT: 6.765 min Scan# 1687

Delta R.T. -0.003 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

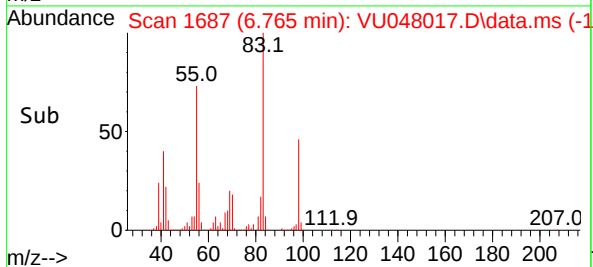
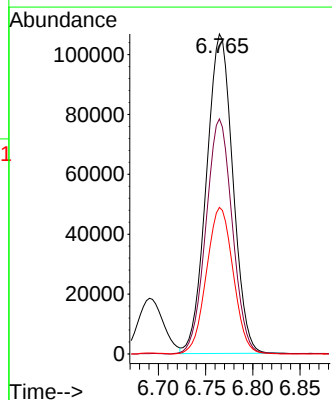
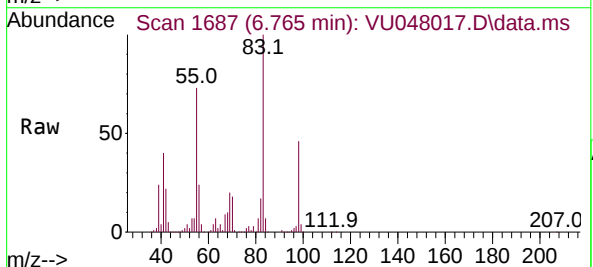
Tgt Ion: 83 Resp: 207849

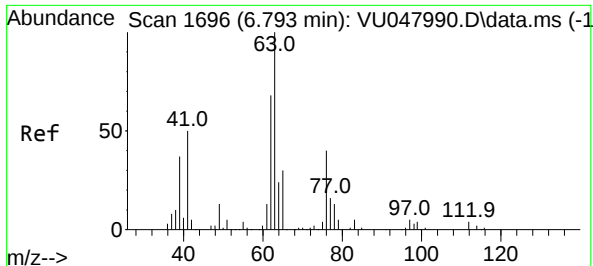
Ion Ratio Lower Upper

83 100

55 73.6 56.8 85.2

98 46.4 38.1 57.1





#37

1,2-Dichloropropane

Concen: 55.642 ug/L

RT: 6.794 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

Instrument :

MSVOA_U

ClientSampleId :

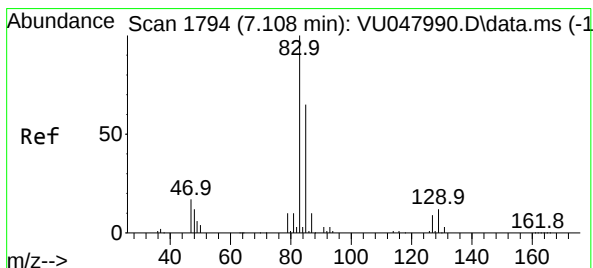
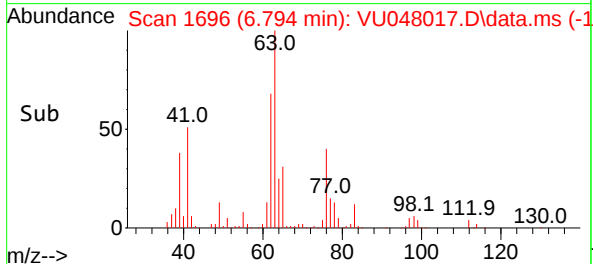
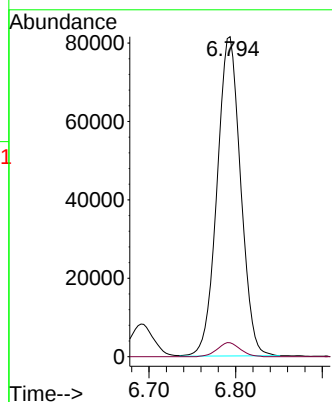
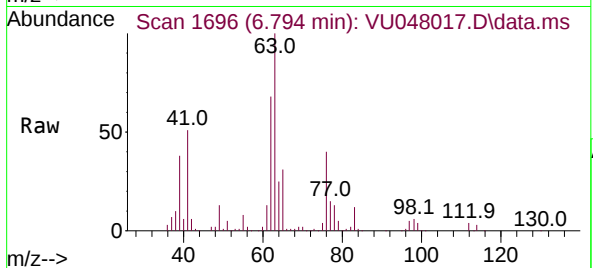
VSTD050198

Tgt Ion: 63 Resp: 153900

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2



#38

Bromodichloromethane

Concen: 51.740 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.003 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

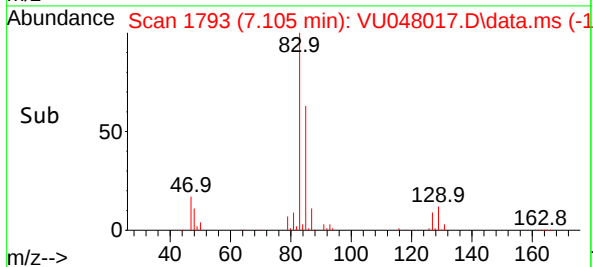
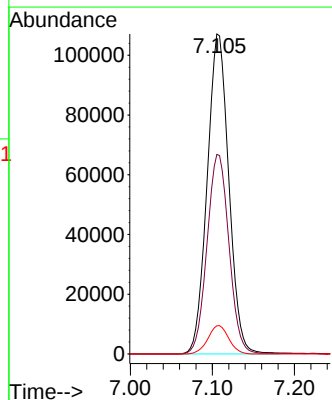
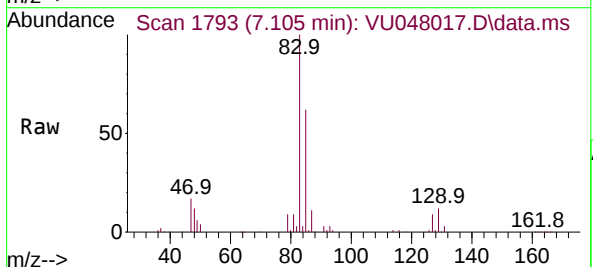
Tgt Ion: 83 Resp: 196516

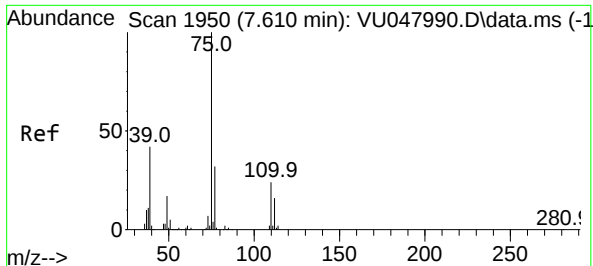
Ion Ratio Lower Upper

83 100

85 62.3 44.4 82.4

127 8.8 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 50.559 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

Instrument :

MSVOA_U

ClientSampleId :

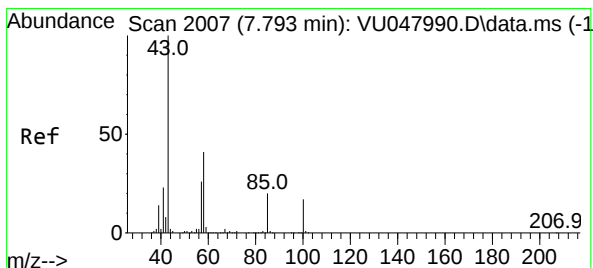
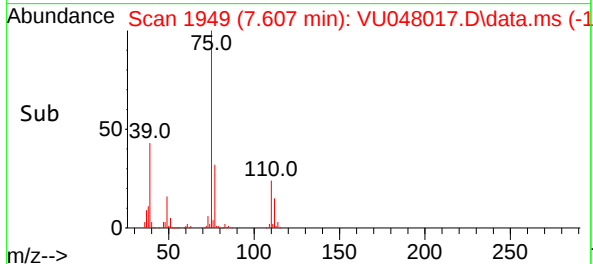
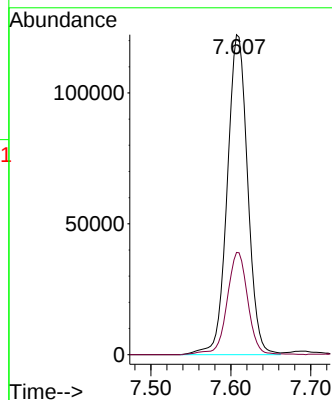
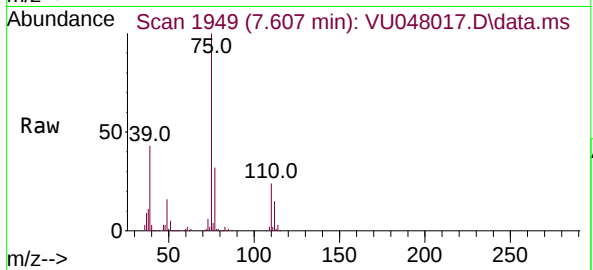
VSTD050198

Tgt Ion: 75 Resp: 216978

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 102.170 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.003 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

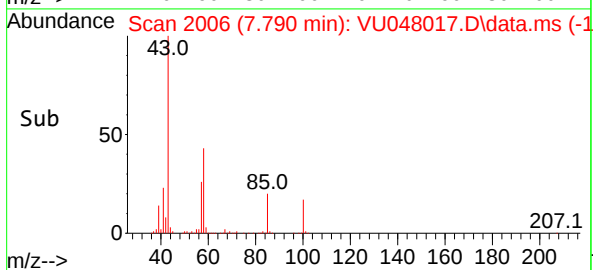
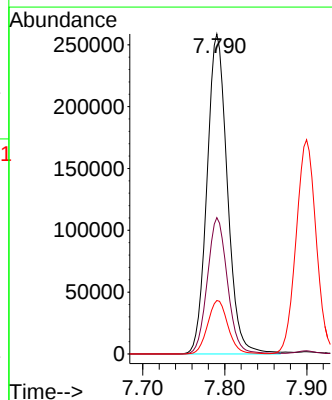
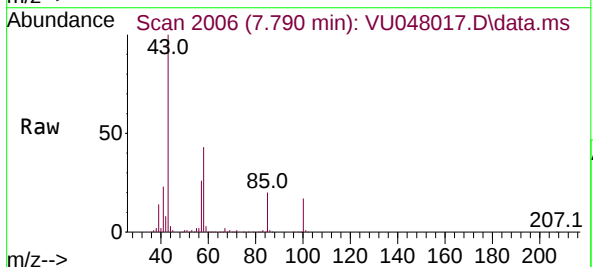
Tgt Ion: 43 Resp: 446629

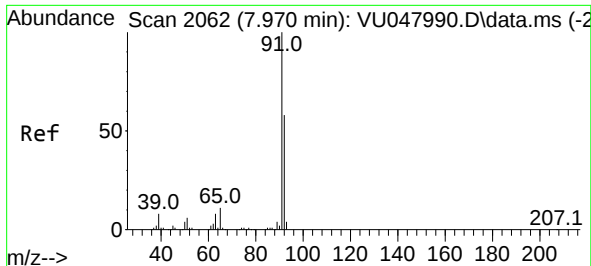
Ion Ratio Lower Upper

43 100

58 42.2 34.7 52.1

100 16.7 14.2 21.2





#42

Toluene

Concen: 53.027 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

Instrument :

MSVOA_U

ClientSampleId :

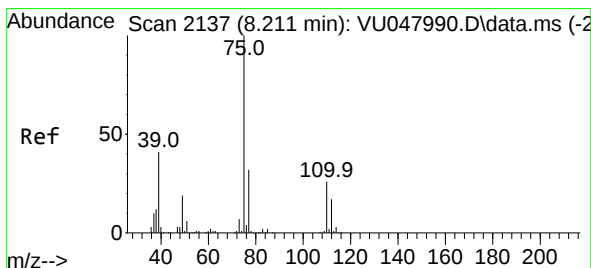
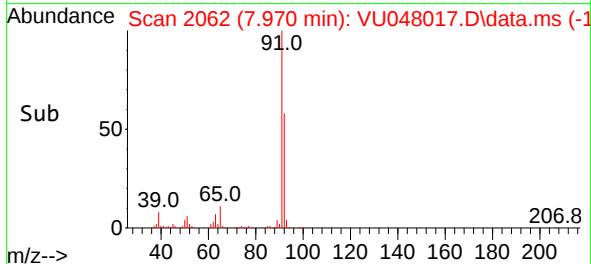
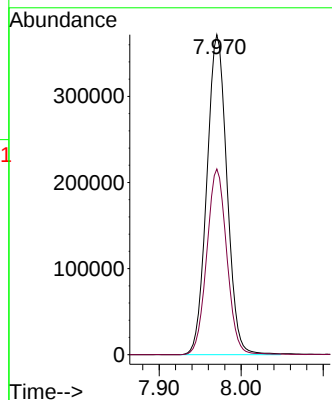
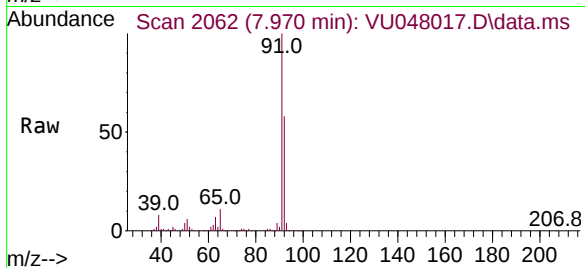
VSTD050198

Tgt Ion: 91 Resp: 633043

Ion Ratio Lower Upper

91 100

92 58.1 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 50.053 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU048017.D

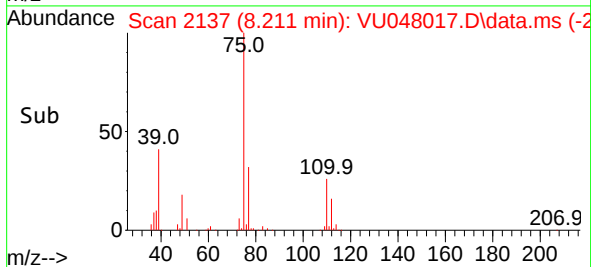
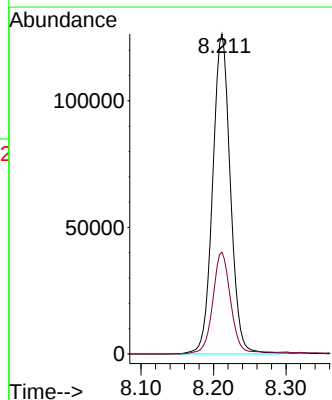
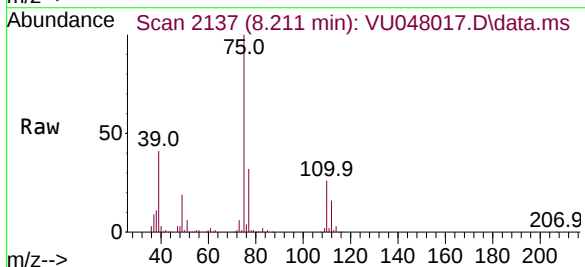
Acq: 13 Apr 2022 20:26

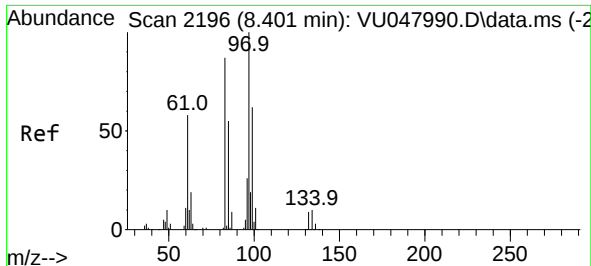
Tgt Ion: 75 Resp: 214476

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8

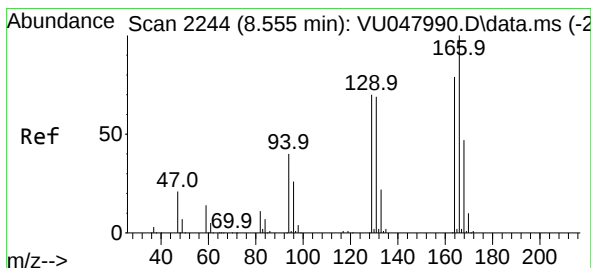
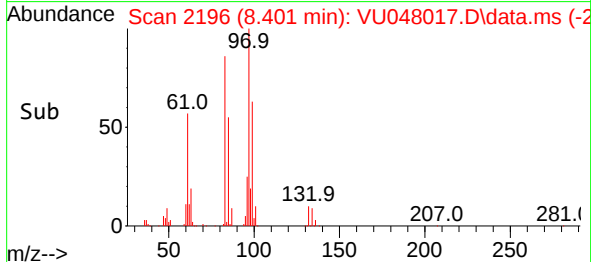
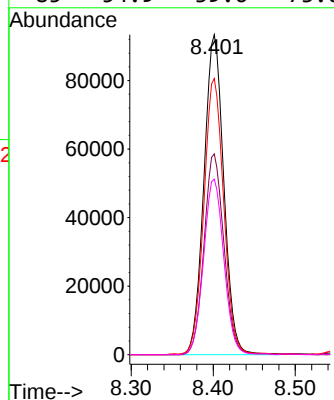
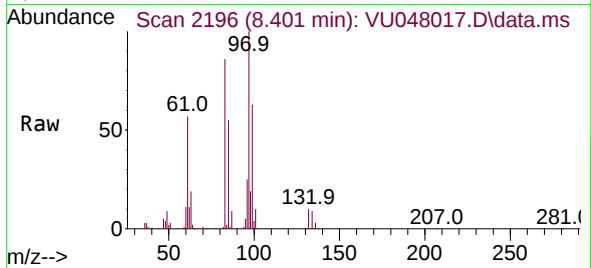




#45
1,1,2-Trichloroethane
Concen: 53.570 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

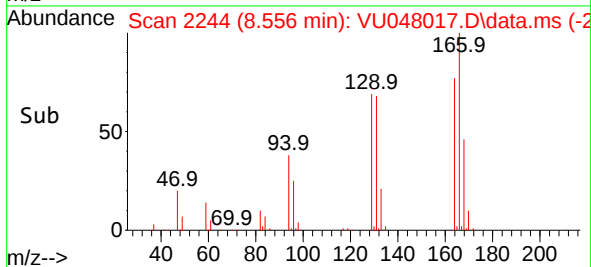
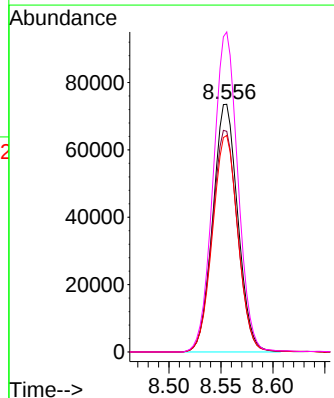
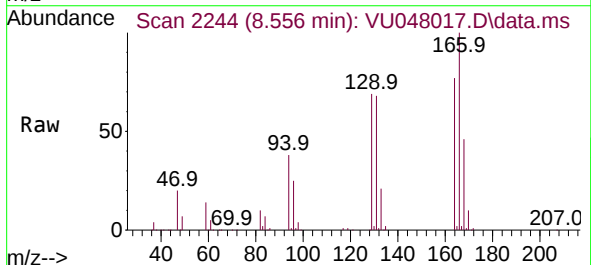
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

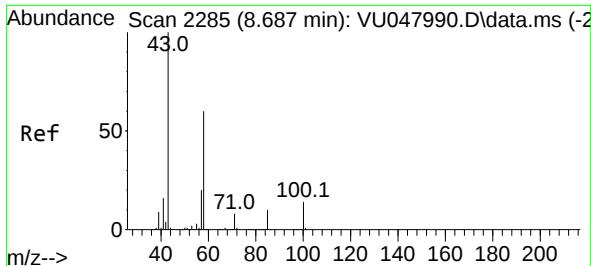
Tgt Ion:	97	Resp:	157142
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.3	80.3
83	86.3	61.0	113.4
85	54.9	39.6	73.6



#46
Tetrachloroethene
Concen: 48.206 ug/L
RT: 8.556 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

Tgt Ion:	164	Resp:	123567
Ion	Ratio	Lower	Upper
164	100		
129	89.1	62.4	116.0
131	87.4	60.7	112.7
166	129.2	89.0	165.4

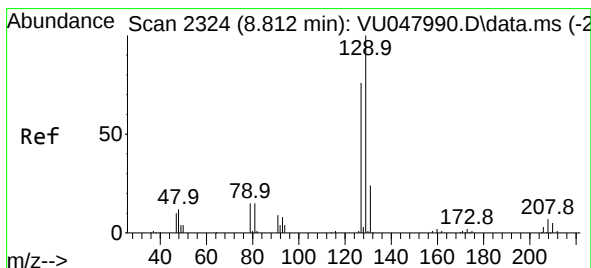
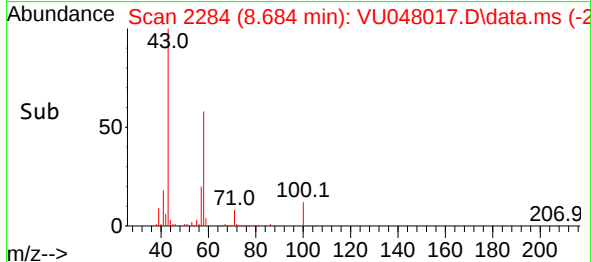
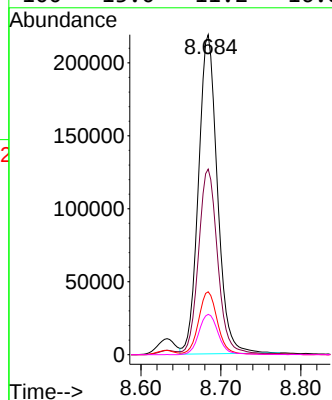
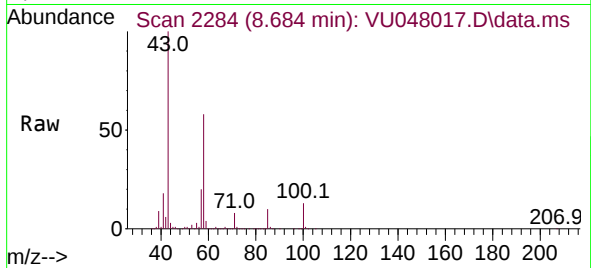




#48
2-Hexanone
Concen: 95.996 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

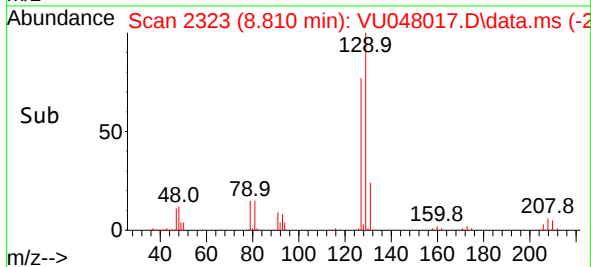
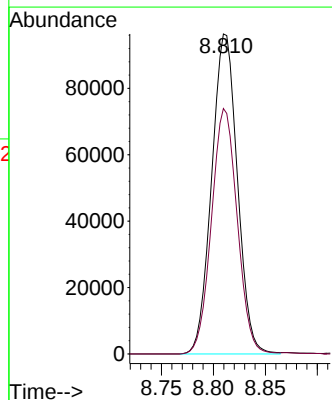
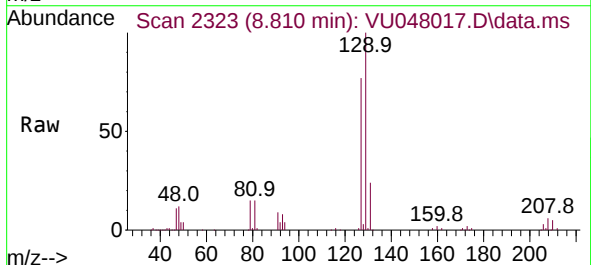
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

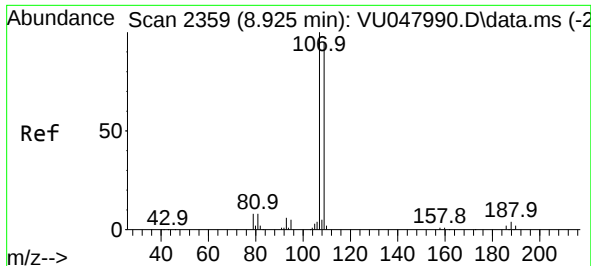
Tgt Ion: 43 Resp: 360970
Ion Ratio Lower Upper
43 100
58 58.3 48.1 72.1
57 19.9 16.2 24.4
100 13.0 11.2 16.8



#49
Dibromochloromethane
Concen: 48.862 ug/L
RT: 8.810 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

Tgt Ion: 129 Resp: 166011
Ion Ratio Lower Upper
129 100
127 76.7 54.2 100.6

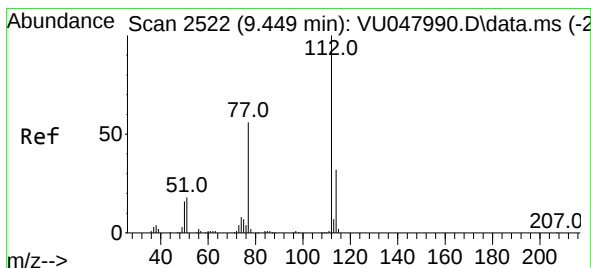
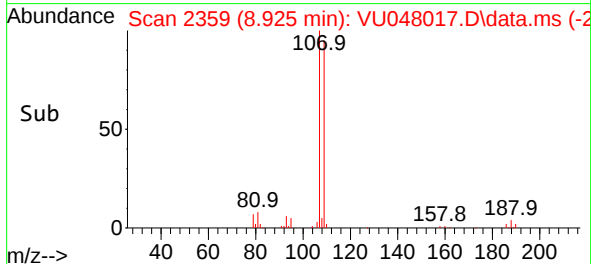
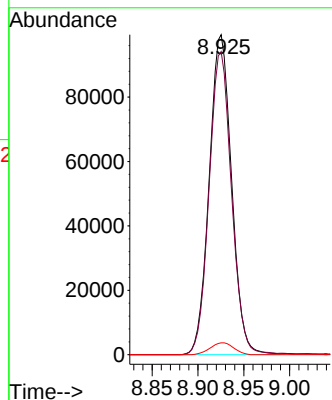
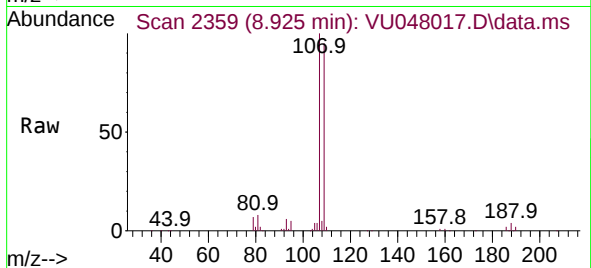




#50
1,2-Dibromoethane
Concen: 51.333 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

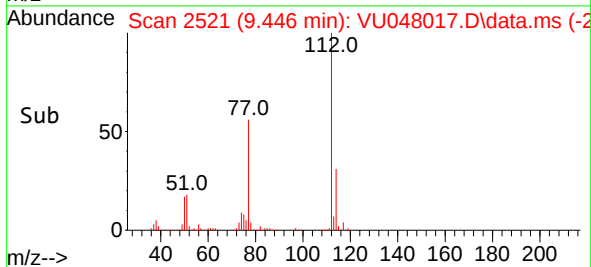
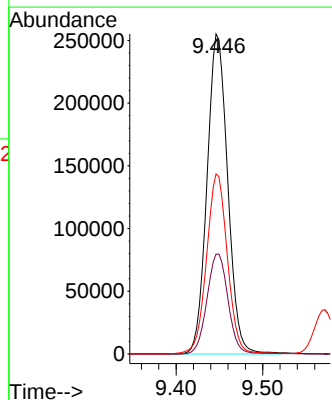
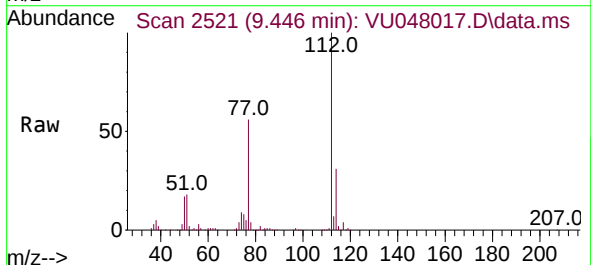
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

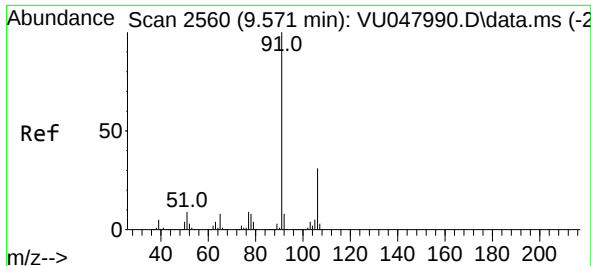
Tgt Ion:107 Resp: 168813
Ion Ratio Lower Upper
107 100
109 94.7 66.6 123.6
188 3.7 3.4 5.2



#51
Chlorobenzene
Concen: 52.187 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

Tgt Ion:112 Resp: 423014
Ion Ratio Lower Upper
112 100
114 31.2 22.1 41.1
77 56.3 43.4 65.0





#52

Ethylbenzene

Concen: 51.884 ug/L

RT: 9.572 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

Instrument :

MSVOA_U

ClientSampleId :

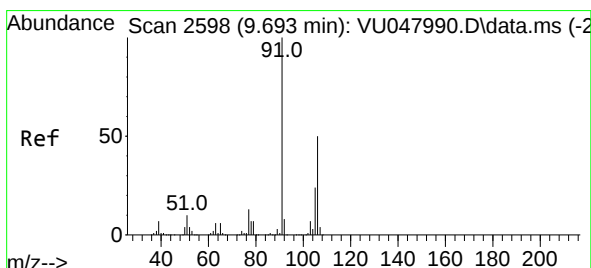
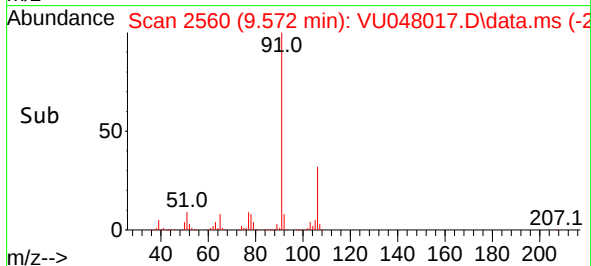
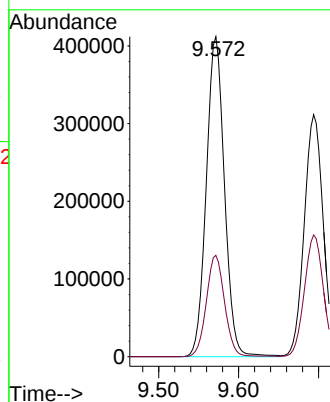
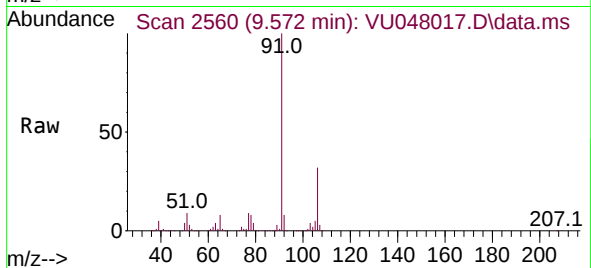
VSTD050198

Tgt Ion: 91 Resp: 651264

Ion Ratio Lower Upper

91 100

106 31.7 22.4 41.6



#53

m,p-Xylene

Concen: 52.952 ug/L

RT: 9.694 min Scan# 2598

Delta R.T. 0.000 min

Lab File: VU048017.D

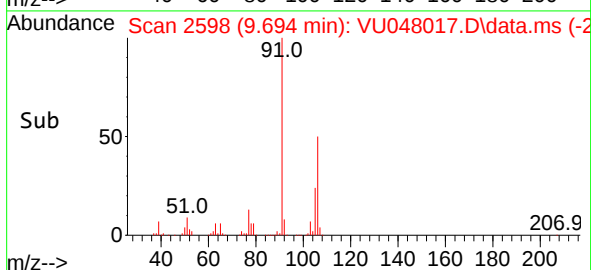
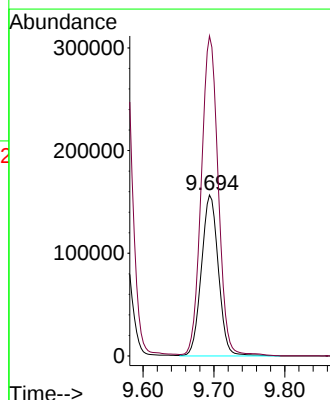
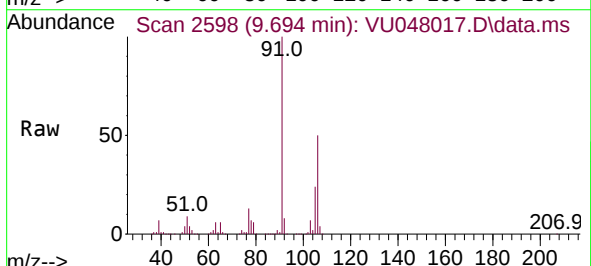
Acq: 13 Apr 2022 20:26

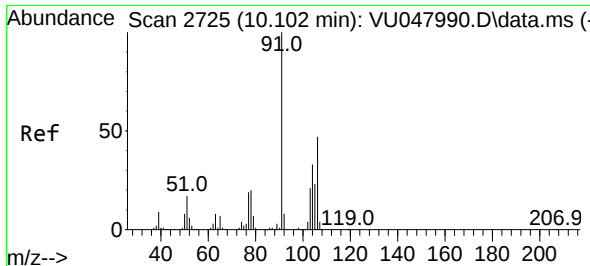
Tgt Ion:106 Resp: 260807

Ion Ratio Lower Upper

106 100

91 198.8 137.7 255.7

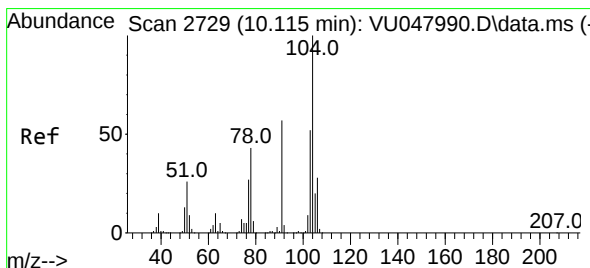
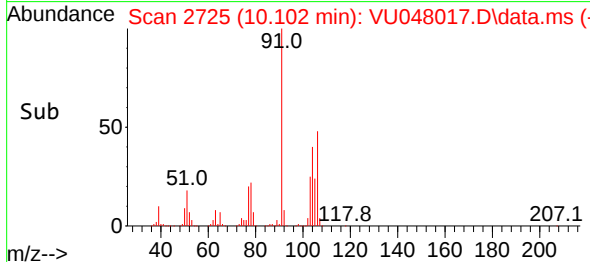
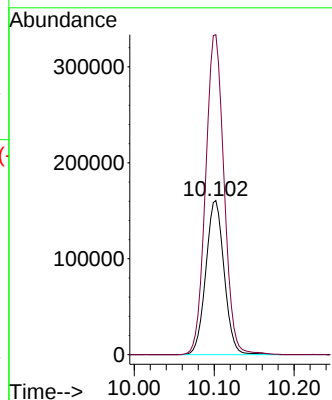
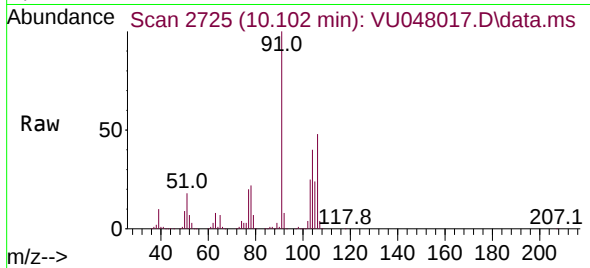




#54
o-Xylene
Concen: 53.221 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

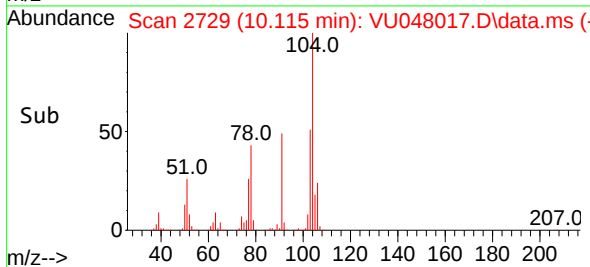
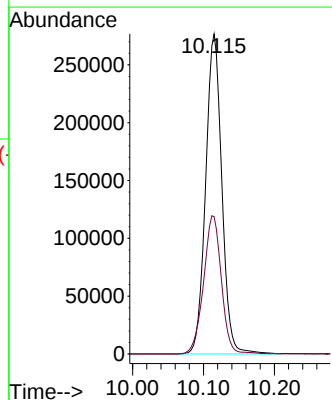
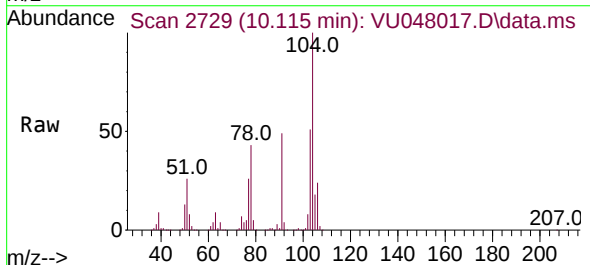
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

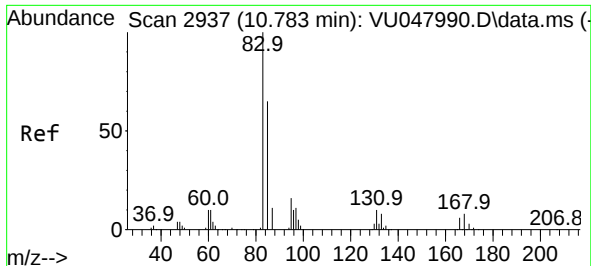
Tgt Ion:106 Resp: 257273
Ion Ratio Lower Upper
106 100
91 207.6 146.7 272.5



#55
Styrene
Concen: 53.155 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

Tgt Ion:104 Resp: 438699
Ion Ratio Lower Upper
104 100
78 42.9 30.4 56.4





#57

1,1,2,2-Tetrachloroethane

Concen: 50.427 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD050198

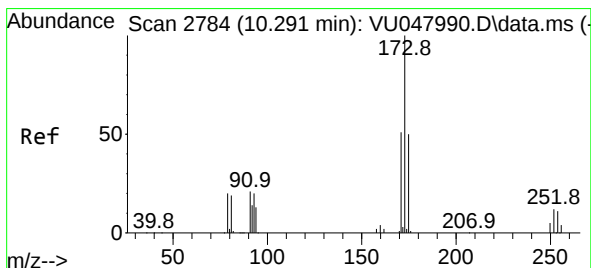
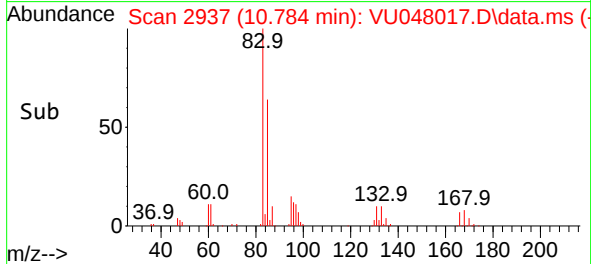
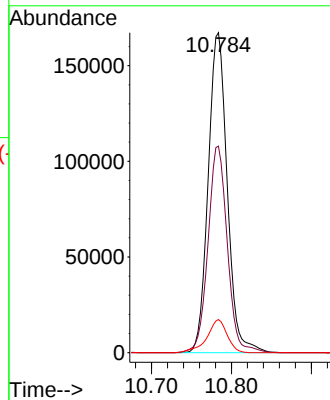
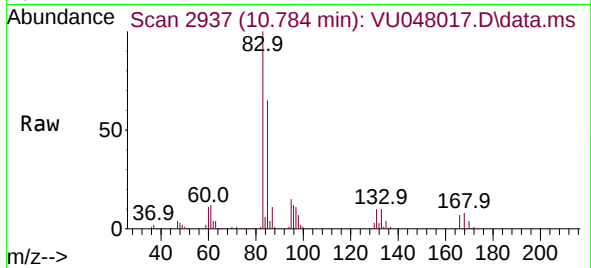
Tgt Ion: 83 Resp: 277314

Ion Ratio Lower Upper

83 100

85 64.6 44.9 83.3

131 10.3 8.6 13.0



#59

Bromoform

Concen: 47.002 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU048017.D

Acq: 13 Apr 2022 20:26

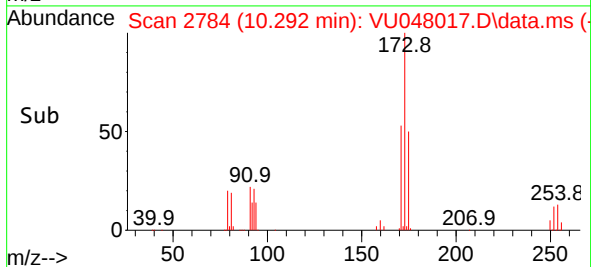
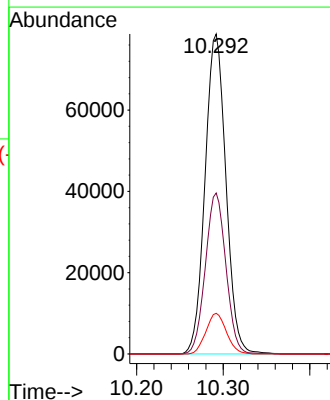
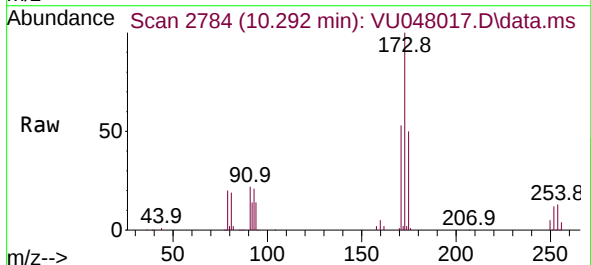
Tgt Ion:173 Resp: 131670

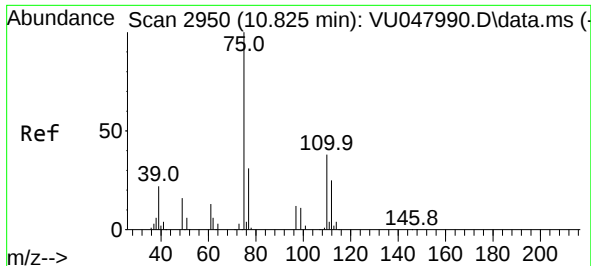
Ion Ratio Lower Upper

173 100

175 49.4 38.7 58.1

254 12.5 9.6 14.4

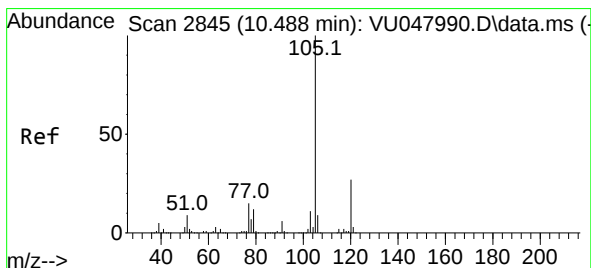
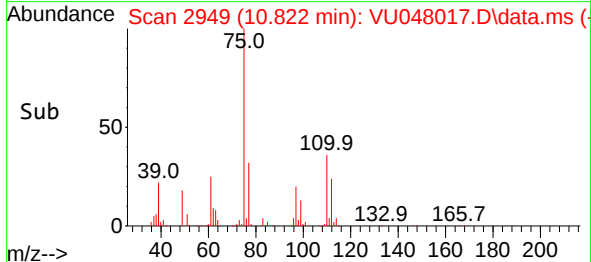
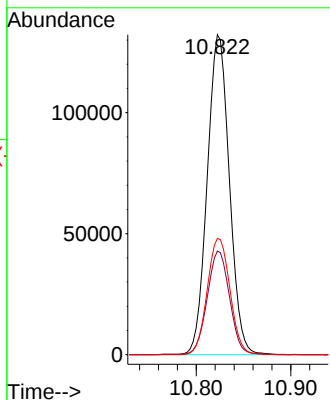
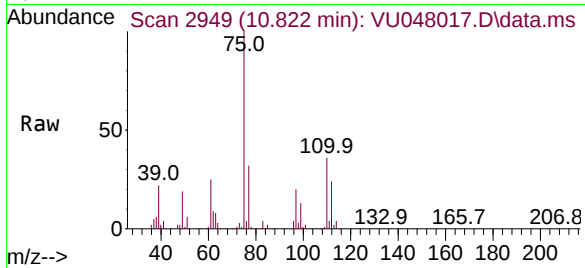




#60
1,2,3-Trichloropropane
Concen: 52.048 ug/L
RT: 10.822 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

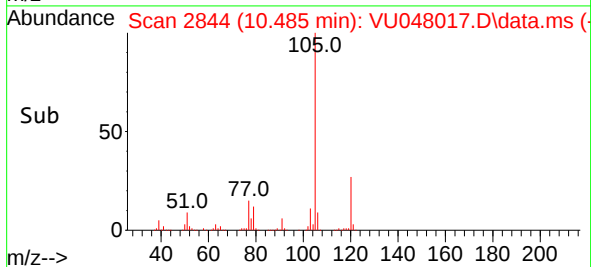
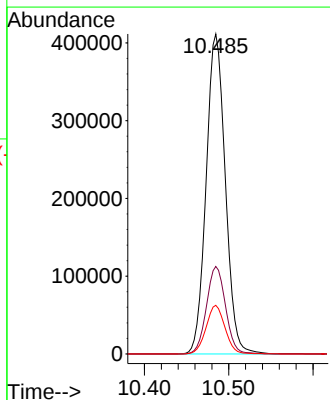
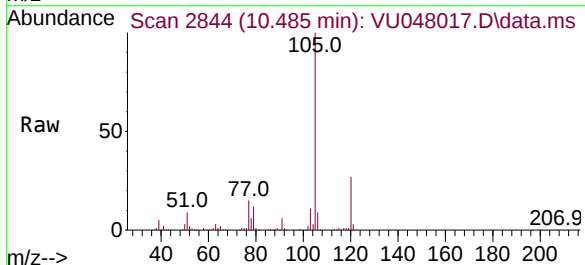
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

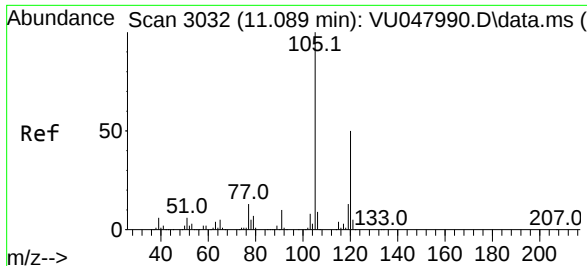
Tgt Ion: 75 Resp: 214955
Ion Ratio Lower Upper
75 100
77 32.6 26.0 39.0
110 37.3 31.4 47.2



#61
Isopropylbenzene
Concen: 55.033 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

Tgt Ion: 105 Resp: 651586
Ion Ratio Lower Upper
105 100
120 27.2 21.9 32.9
77 15.1 12.1 18.1

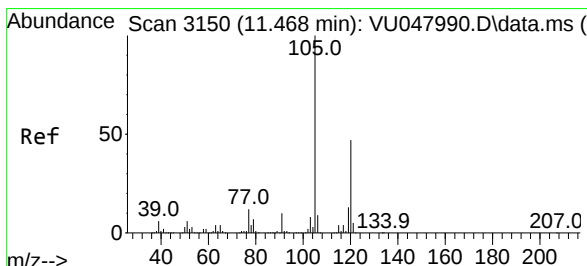
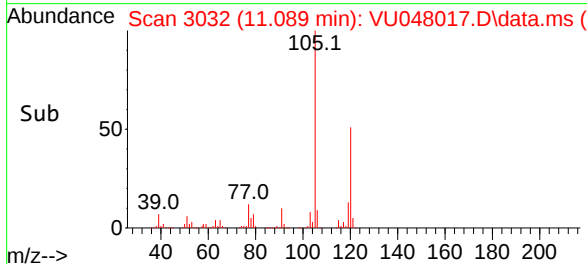
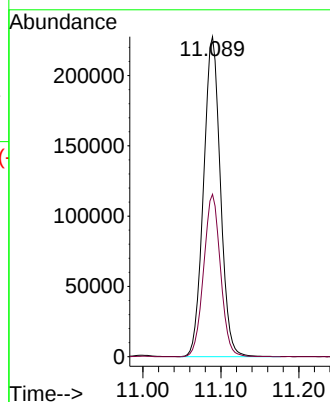
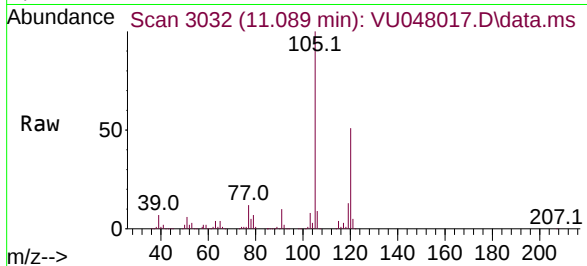




#62
 1,3,5-Trimethylbenzene
 Concen: 53.299 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU048017.D
 Acq: 13 Apr 2022 20:26

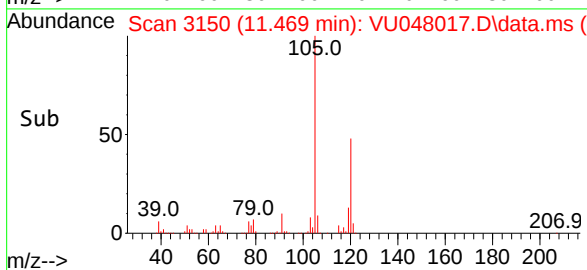
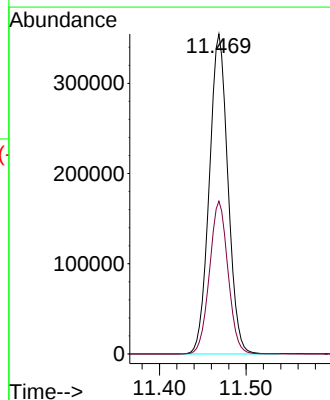
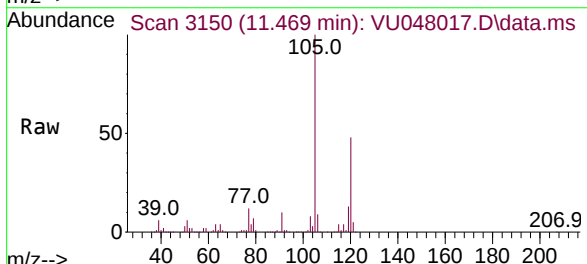
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050198

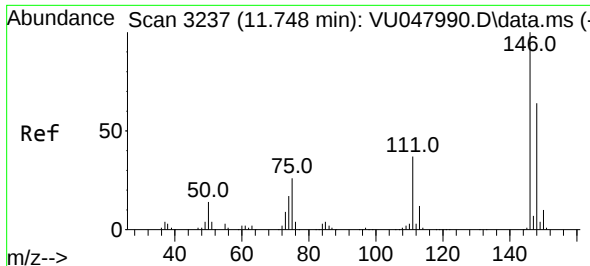
Tgt Ion:105 Resp: 342399
 Ion Ratio Lower Upper
 105 100
 120 50.7 40.8 61.2



#63
 1,2,4-Trimethylbenzene
 Concen: 54.360 ug/L
 RT: 11.469 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU048017.D
 Acq: 13 Apr 2022 20:26

Tgt Ion:105 Resp: 530443
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.6 56.4

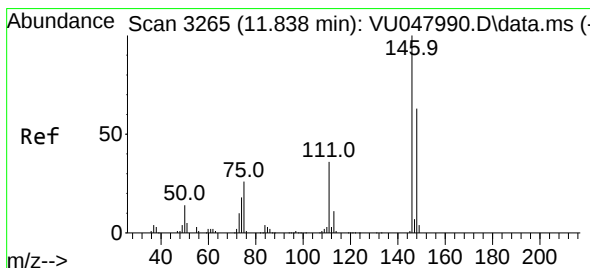
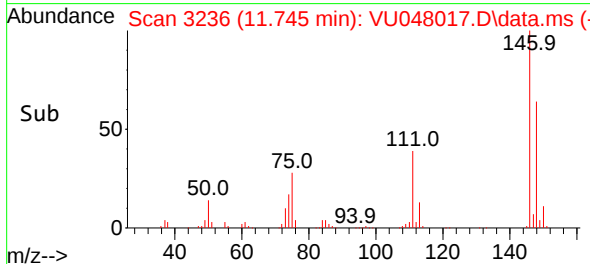
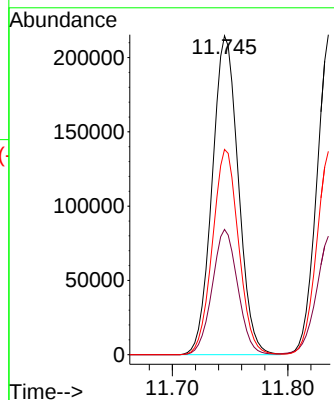
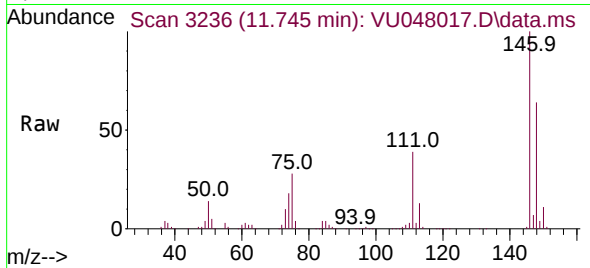




#64
1,3-Dichlorobenzene
Concen: 51.312 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

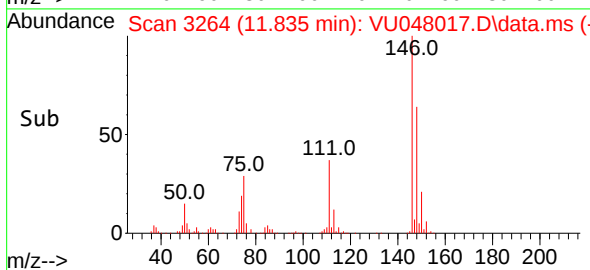
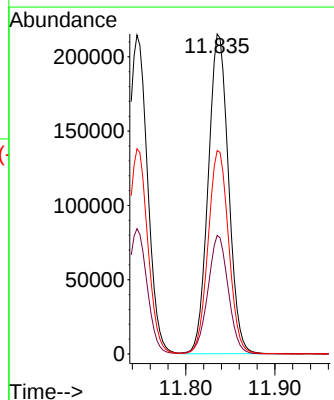
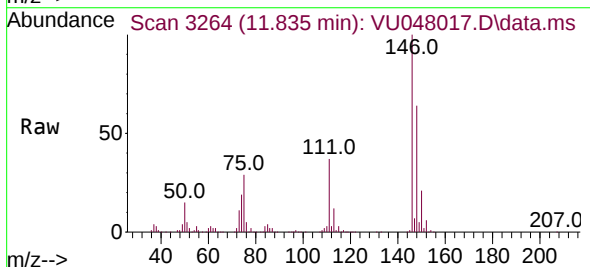
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

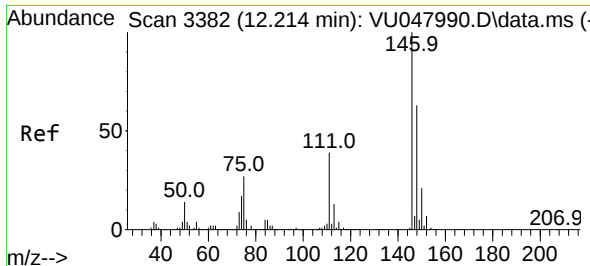
Tgt Ion:146 Resp: 337680
Ion Ratio Lower Upper
146 100
111 39.3 26.7 49.7
148 64.4 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 49.860 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

Tgt Ion:146 Resp: 339872
Ion Ratio Lower Upper
146 100
111 37.1 25.3 47.1
148 63.6 44.5 82.7

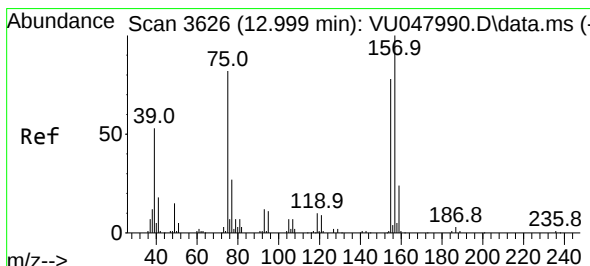
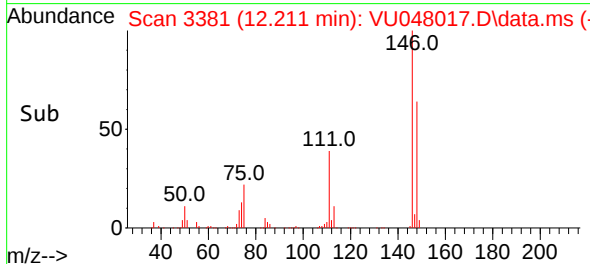
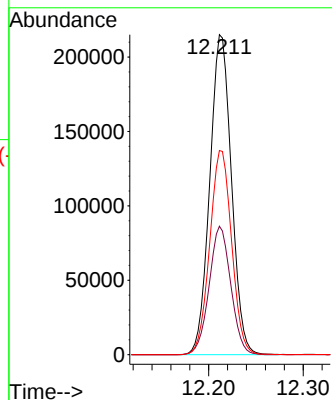
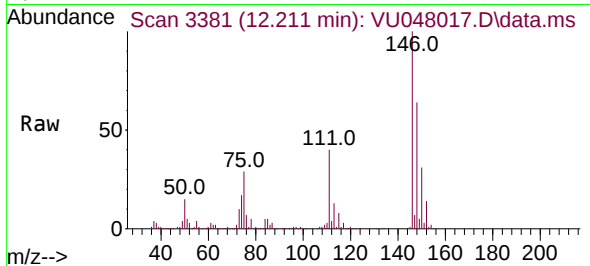




#67
1,2-Dichlorobenzene
Concen: 51.934 ug/L
RT: 12.211 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

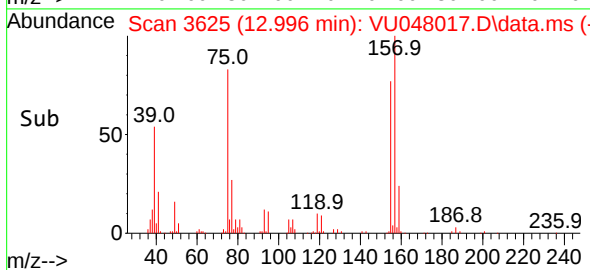
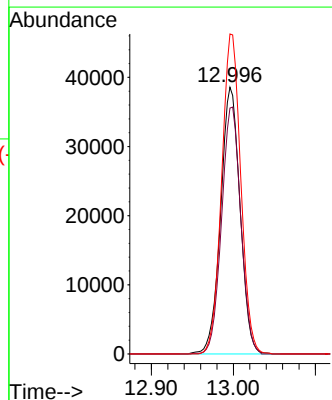
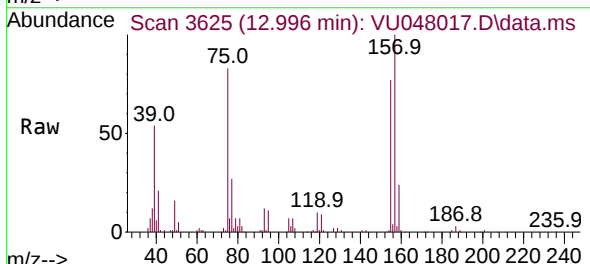
Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

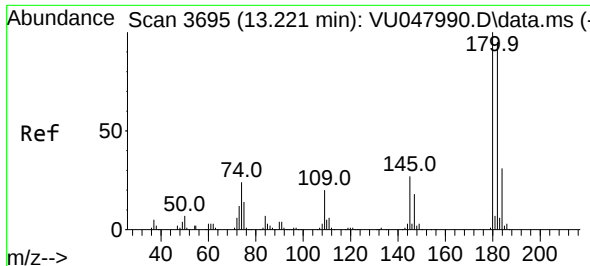
Tgt Ion:146 Resp: 341979
Ion Ratio Lower Upper
146 100
111 40.2 31.7 47.5
148 63.8 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 48.011 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. -0.003 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

Tgt Ion: 75 Resp: 63515
Ion Ratio Lower Upper
75 100
155 92.2 78.9 118.3
157 119.9 97.5 146.3

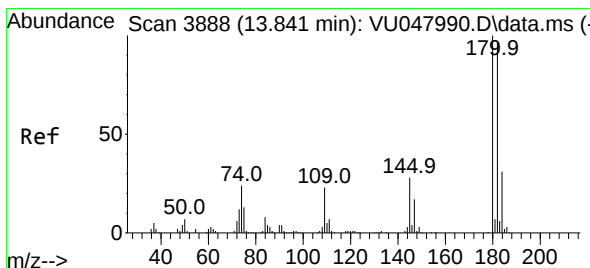
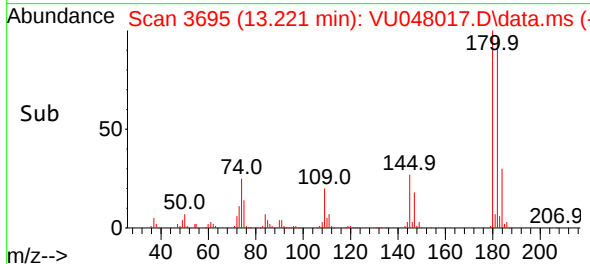
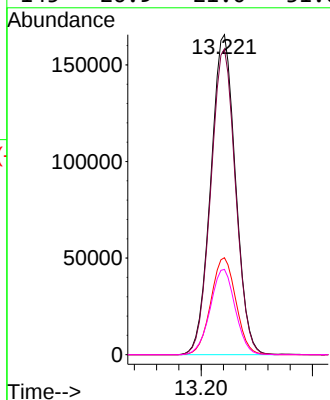
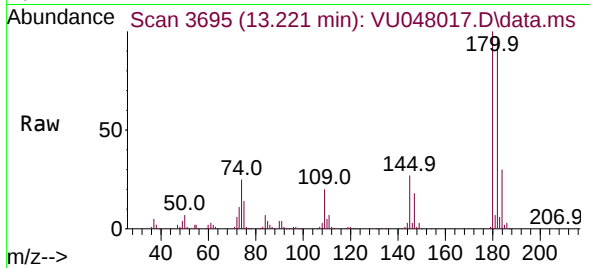




#69
 1,3,5-Trichlorobenzene
 Concen: 47.789 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU048017.D
 Acq: 13 Apr 2022 20:26

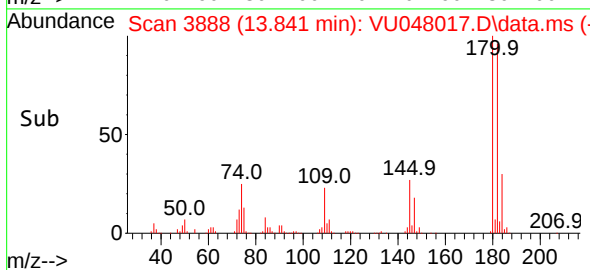
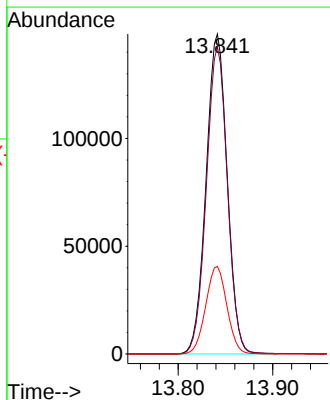
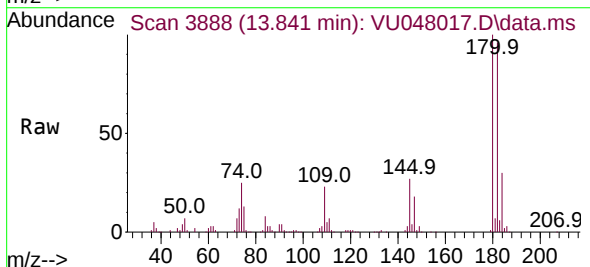
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050198

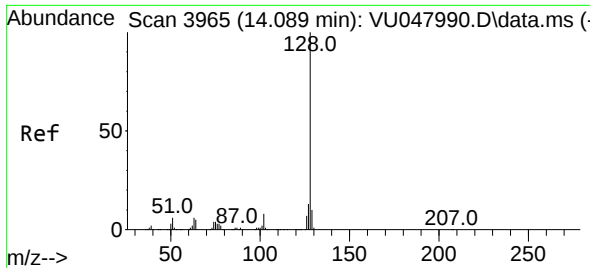
Tgt Ion:	180	Resp:	255415
Ion Ratio	Lower	Upper	
180	100		
182	95.6	77.0	115.6
184	30.7	24.5	36.7
145	26.9	21.0	31.6



#70
 1,2,4-trichlorobenzene
 Concen: 49.302 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU048017.D
 Acq: 13 Apr 2022 20:26

Tgt Ion:	180	Resp:	230803
Ion Ratio	Lower	Upper	
180	100		
182	95.4	76.2	114.2
145	27.4	21.8	32.8

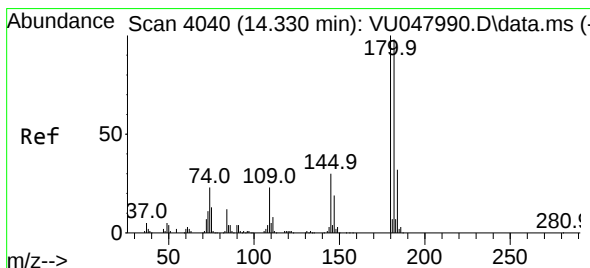
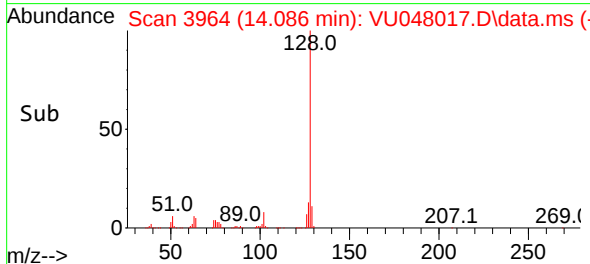
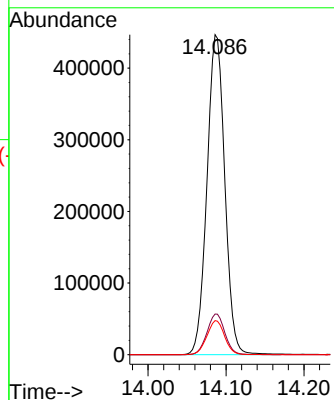
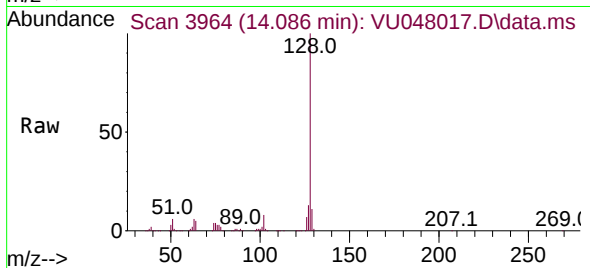




#71
Naphthalene
Concen: 50.773 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD050198

Tgt Ion:	128	Resp:	708645
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.6	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 49.902 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048017.D
Acq: 13 Apr 2022 20:26

Tgt Ion:	180	Resp:	234190
Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.4	116.0
145	29.4	22.8	34.2

