

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100622\
 Data File : VU051187.D
 Acq On : 06 Oct 2022 21:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050111

Quant Time: Oct 07 01:35:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 07 01:29:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	468495	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	475955	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	233671	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	193976	40.855	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.700%
7) Chloroethane-d5	1.900	69	160666	36.428	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.860%
11) 1,1-Dichloroethene-d2	2.562	63	298759	42.598	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.200%
21) 2-Butanone-d5	4.620	46	227598	73.909	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	73.910%
24) Chloroform-d	5.060	84	318301	41.611	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.220%
26) 1,2-Dichloroethane-d4	5.700	65	191495	40.444	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.880%
32) Benzene-d6	5.726	84	628732	45.110	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.220%
36) 1,2-Dichloropropane-d6	6.687	67	206337	45.623	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.240%
41) Toluene-d8	7.896	98	574835	44.639	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.280%
43) trans-1,3-Dichloroprop...	8.176	79	84262	39.061	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.120%
47) 2-Hexanone-d5	8.629	63	121069	66.296	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	66.300%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	318107	40.245	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.500%
66) 1,2-Dichlorobenzene-d4	12.192	152	199063	39.878	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.760%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	170229	43.331	ug/L	99
3) Chloromethane	1.523	50	226656	48.831	ug/L	98
5) Vinyl chloride	1.601	62	235505	47.808	ug/L	99
6) Bromomethane	1.835	94	190704	46.737	ug/L	100
8) Chloroethane	1.922	64	147963	40.905	ug/L	100
9) Trichlorofluoromethane	2.131	101	263315	39.754	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	159684	44.647	ug/L	98
12) 1,1-Dichloroethene	2.575	96	152186	45.552	ug/L	92
13) Acetone	2.623	43	183874	74.774	ug/L	97
14) Carbon disulfide	2.787	76	444735	45.033	ug/L	100
15) Methyl Acetate	2.945	43	200719	44.709	ug/L	97
16) Methylene chloride	3.041	84	207098	43.181	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	160763	45.231	ug/L	98
18) Methyl tert-butyl Ether	3.363	73	508236	47.053	ug/L	99
19) 1,1-Dichloroethane	3.864	63	334208	49.501	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	186711	47.048	ug/L	95
22) 2-Butanone	4.700	43	286853	84.430	ug/L	98
23) Bromochloromethane	4.970	128	100866	46.387	ug/L	92
25) Chloroform	5.086	83	346649	47.203	ug/L	98

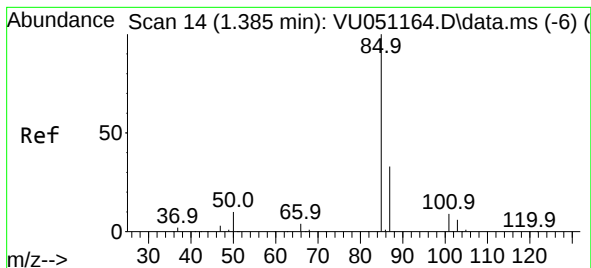
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100622\
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 QLast Update : Fri Oct 07 01:29:24 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	262941	46.741	ug/L	100
29) Cyclohexane	5.385	56	237265	51.197	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	269566	48.293	ug/L	99
31) Carbon tetrachloride	5.520	117	215302	47.274	ug/L	99
33) Benzene	5.771	78	768661	52.973	ug/L	100
34) Trichloroethene	6.539	95	173284	46.107	ug/L	99
35) Methylcyclohexane	6.761	83	242465	47.401	ug/L	96
37) 1,2-Dichloropropane	6.790	63	208664	53.401	ug/L	99
38) Bromodichloromethane	7.102	83	255108	48.921	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	264724	47.837	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	559654	98.899	ug/L	98
42) Toluene	7.967	91	806029	52.224	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	255912	45.737	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	202447	47.831	ug/L	99
46) Tetrachloroethene	8.552	164	129211	45.366	ug/L	98
48) 2-Hexanone	8.681	43	474240	92.267	ug/L	98
49) Dibromochloromethane	8.806	129	200280	45.007	ug/L	99
50) 1,2-Dibromoethane	8.922	107	207631	45.246	ug/L	98
51) Chlorobenzene	9.446	112	484579	46.168	ug/L	99
52) Ethylbenzene	9.568	91	768127	46.658	ug/L	98
53) m,p-Xylene	9.690	106	304558	49.195	ug/L	100
54) o-Xylene	10.099	106	303907	49.113	ug/L	98
55) Styrene	10.111	104	536168	50.133	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	365577	48.804	ug/L	98
59) Bromoform	10.288	173	147275	42.836	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	284179	46.214	ug/L	98
61) Isopropylbenzene	10.481	105	743957	49.011	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	617314	49.734	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	618550	49.721	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	348965	44.594	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	347970	44.484	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	367966	45.767	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	71967	40.105	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	217202	40.930	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	168956	38.914	ug/L	99
71) Naphthalene	14.086	128	626350	40.305	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	202398	41.775	ug/L	100

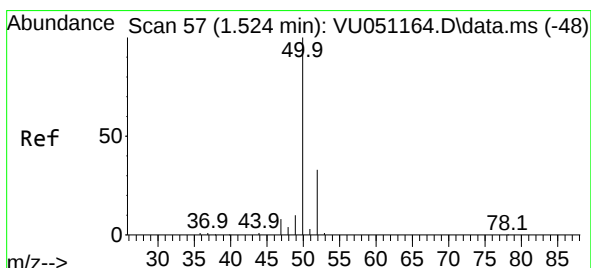
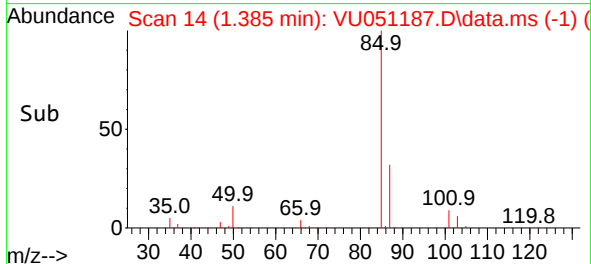
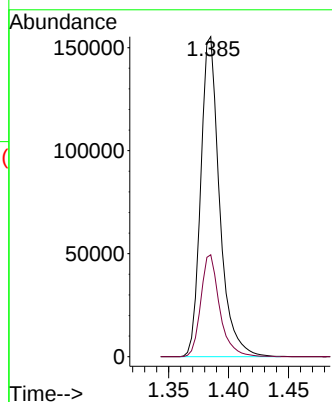
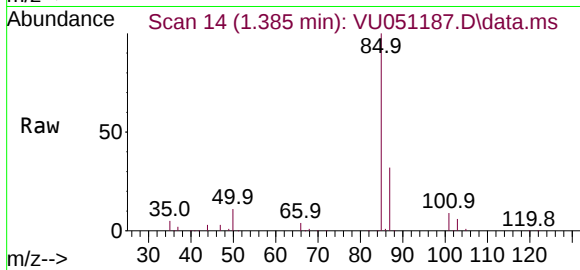
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 43.331 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

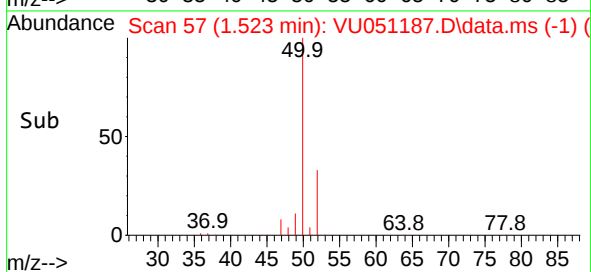
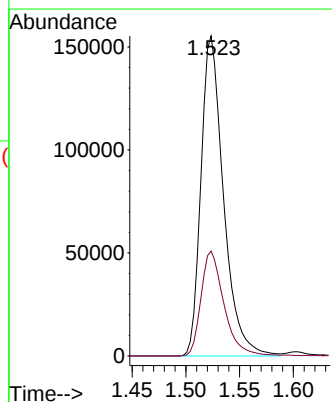
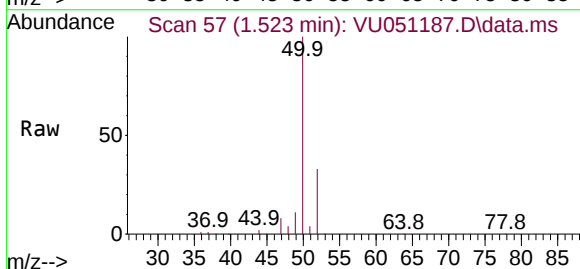
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

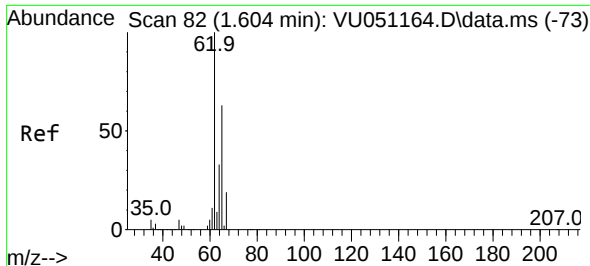
Tgt Ion: 85 Resp: 170229
Ion Ratio Lower Upper
85 100
87 31.8 25.9 38.9



#3
Chloromethane
Concen: 48.831 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Tgt Ion: 50 Resp: 226656
Ion Ratio Lower Upper
50 100
52 32.8 23.7 44.1

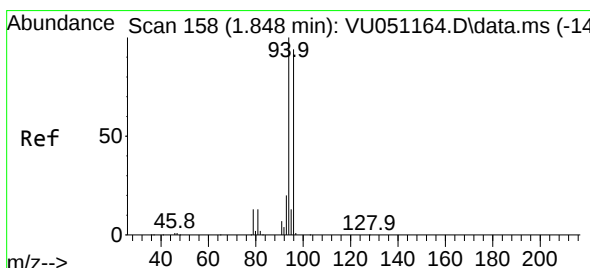
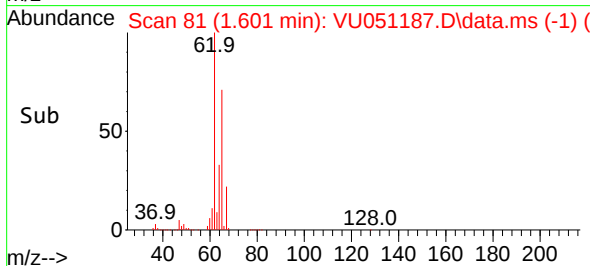
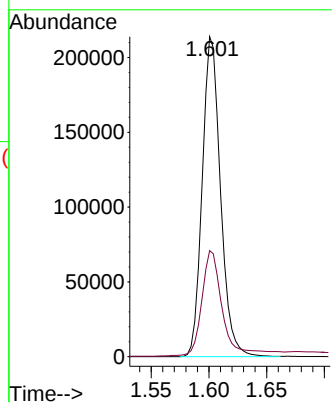
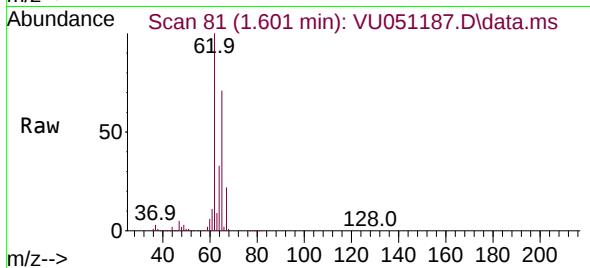




#5
 Vinyl chloride
 Concen: 47.808 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU051187.D
 Acq: 06 Oct 2022 21:17

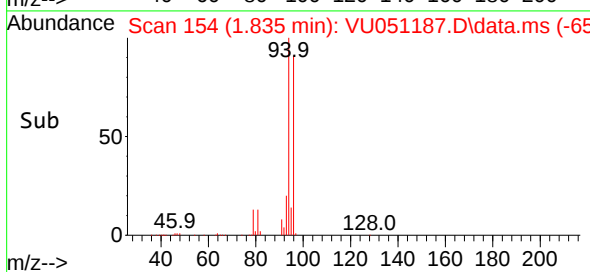
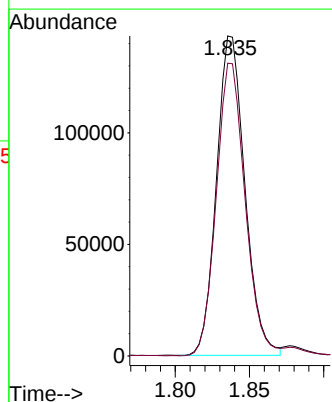
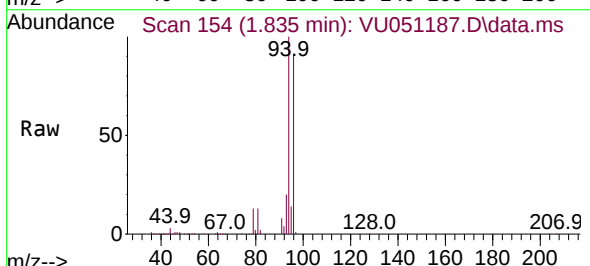
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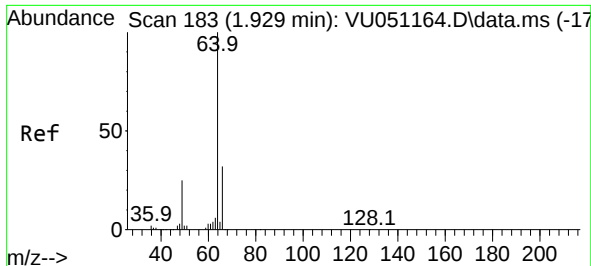
Tgt Ion: 62 Resp: 235505
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.5 43.7



#6
 Bromomethane
 Concen: 46.737 ug/L
 RT: 1.835 min Scan# 154
 Delta R.T. -0.013 min
 Lab File: VU051187.D
 Acq: 06 Oct 2022 21:17

Tgt Ion: 94 Resp: 190704
 Ion Ratio Lower Upper
 94 100
 96 91.5 63.9 118.7

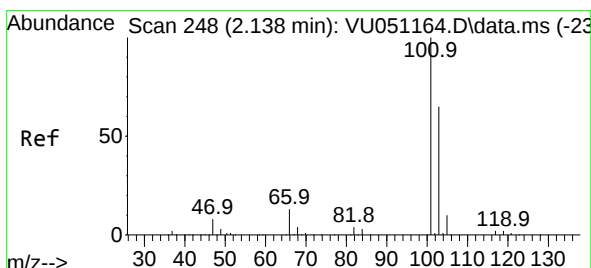
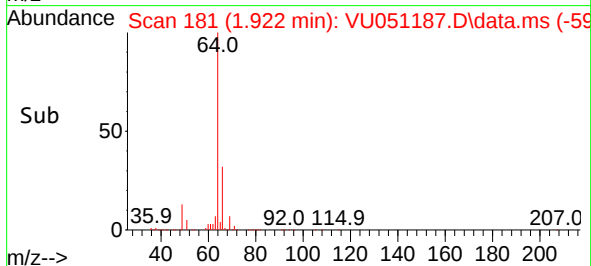
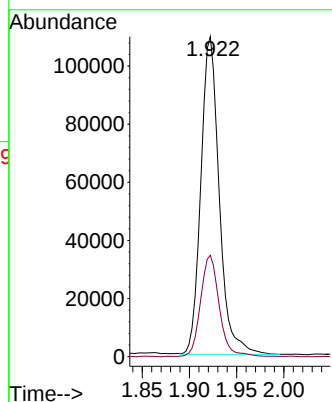
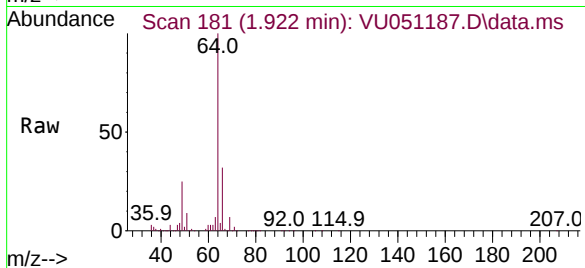




#8
Chloroethane
Concen: 40.905 ug/L
RT: 1.922 min Scan# 11
Delta R.T. -0.007 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

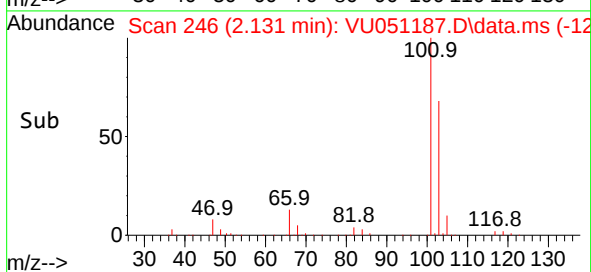
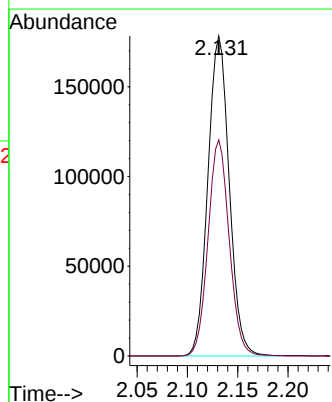
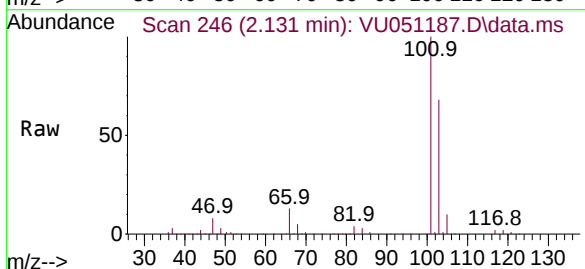
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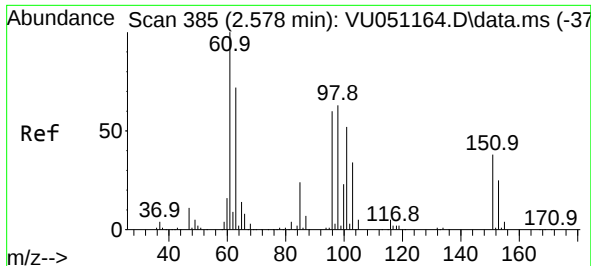
Tgt Ion: 64 Resp: 147963
Ion Ratio Lower Upper
64 100
66 31.7 22.3 41.3



#9
Trichlorofluoromethane
Concen: 39.754 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.007 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Tgt Ion: 101 Resp: 263315
Ion Ratio Lower Upper
101 100
103 66.9 51.8 77.6

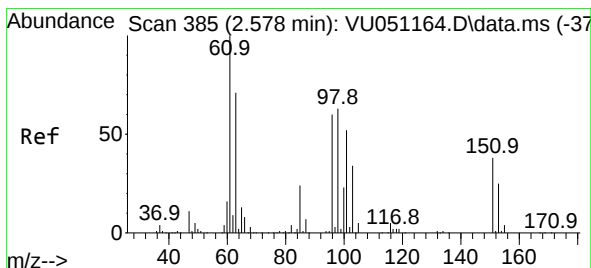
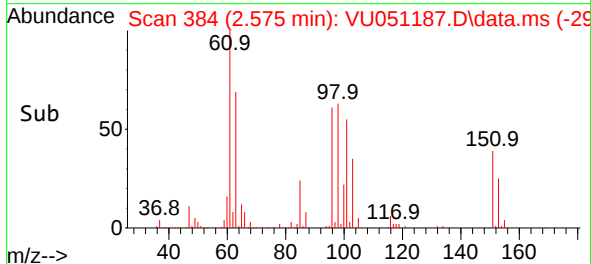
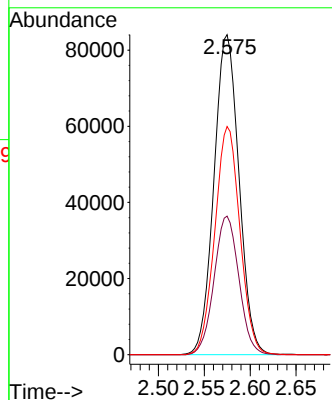
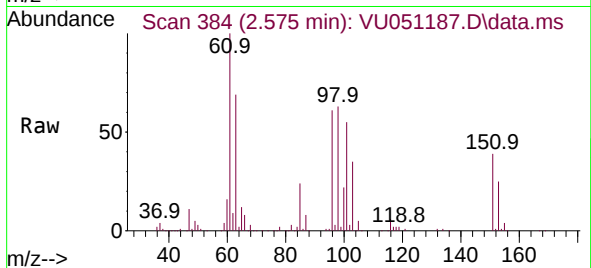




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.647 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU051187.D
 Acq: 06 Oct 2022 21:17

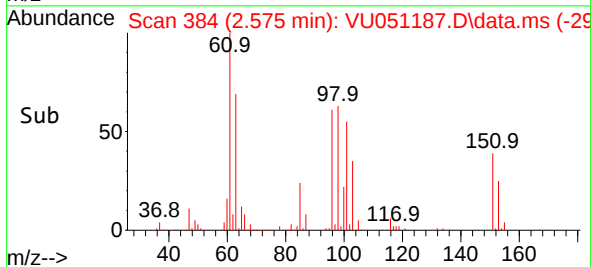
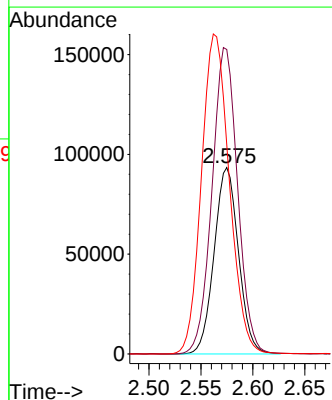
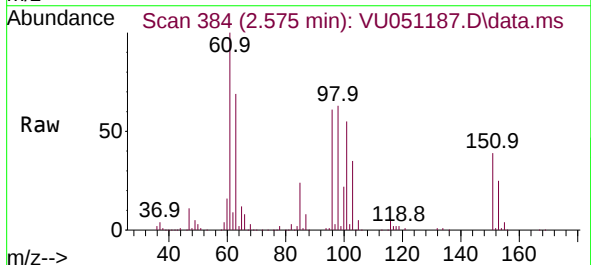
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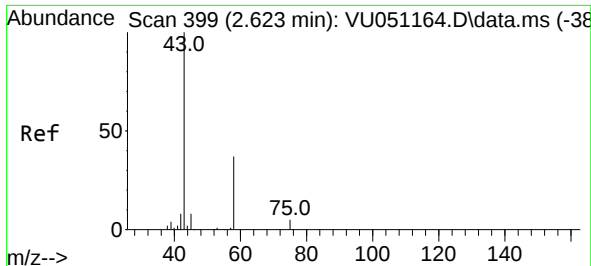
Tgt Ion:101 Resp: 159684
 Ion Ratio Lower Upper
 101 100
 85 42.9 34.6 52.0
 151 71.4 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 45.552 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU051187.D
 Acq: 06 Oct 2022 21:17

Tgt Ion: 96 Resp: 152186
 Ion Ratio Lower Upper
 96 100
 61 163.3 113.0 209.9
 63 112.3 91.7 170.3





#13

Acetone

Concen: 74.774 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU051187.D

Acq: 06 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

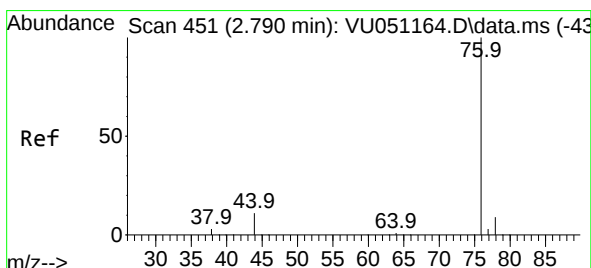
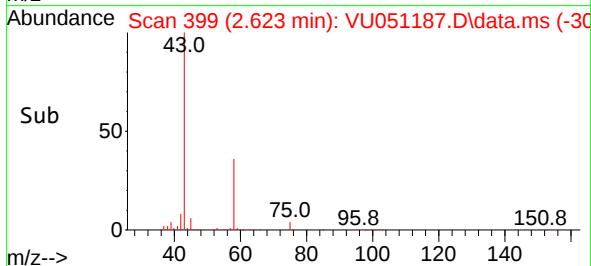
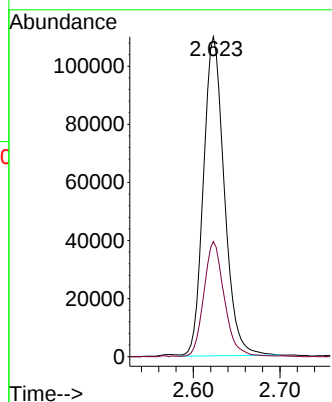
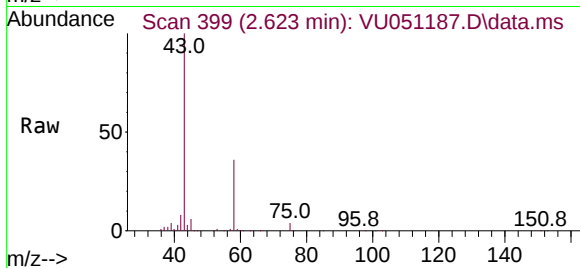
VSTD050111

Tgt Ion: 43 Resp: 183874

Ion Ratio Lower Upper

43 100

58 35.2 0.0 73.6



#14

Carbon disulfide

Concen: 45.033 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU051187.D

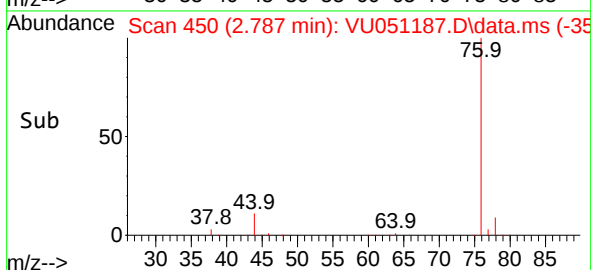
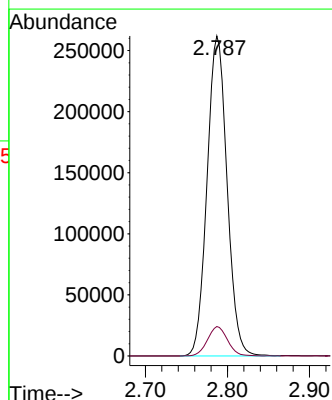
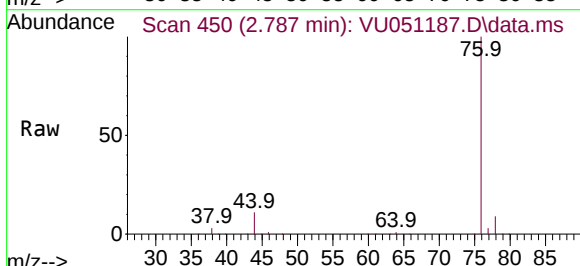
Acq: 06 Oct 2022 21:17

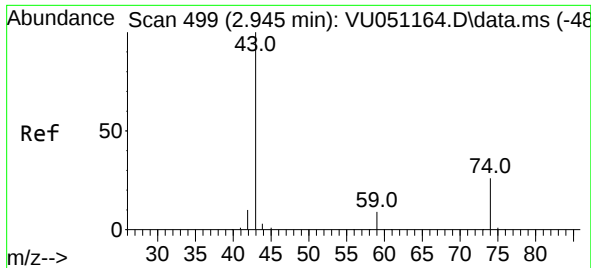
Tgt Ion: 76 Resp: 444735

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

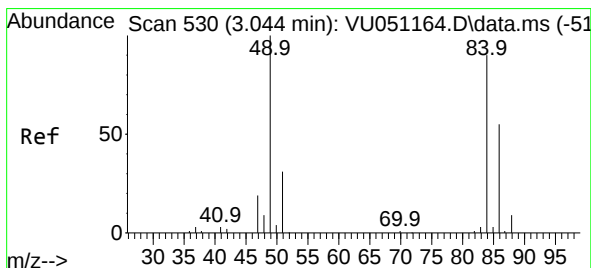
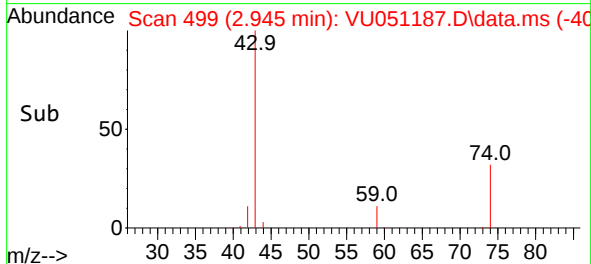
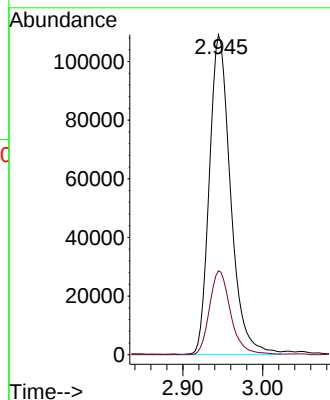
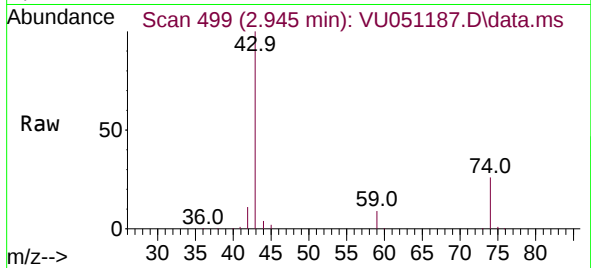




#15
Methyl Acetate
Concen: 44.709 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

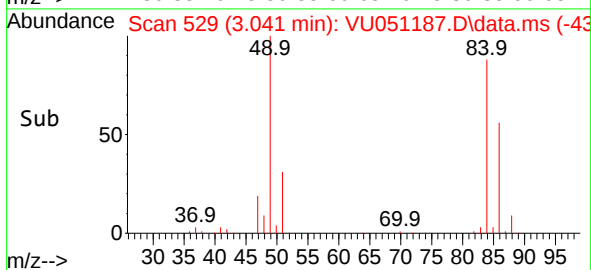
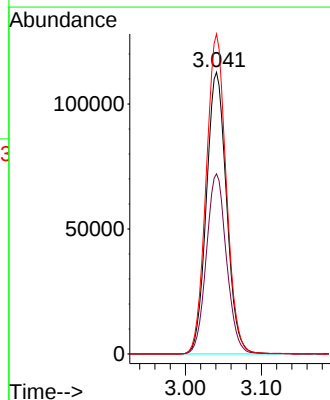
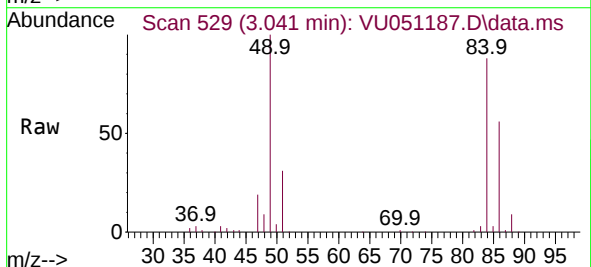
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

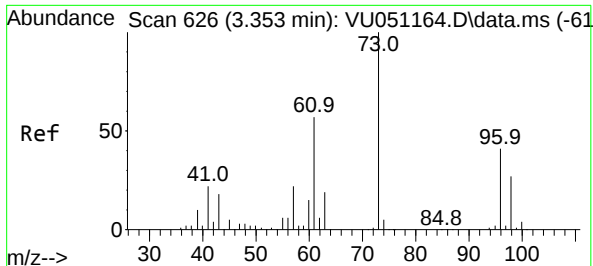
Tgt Ion: 43 Resp: 200719
Ion Ratio Lower Upper
43 100
74 26.3 22.4 33.6



#16
Methylene chloride
Concen: 43.181 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Tgt Ion: 84 Resp: 207098
Ion Ratio Lower Upper
84 100
86 63.9 45.4 84.4
49 113.6 78.3 145.3





#17

trans-1,2-Dichloroethene

Concen: 45.231 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU051187.D

Acq: 06 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD050111

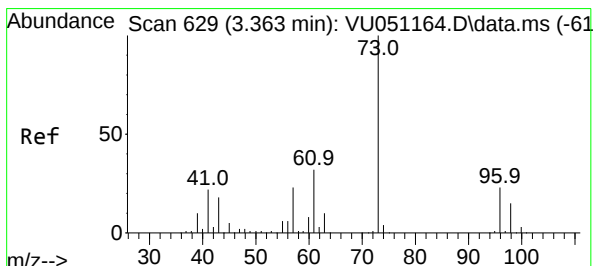
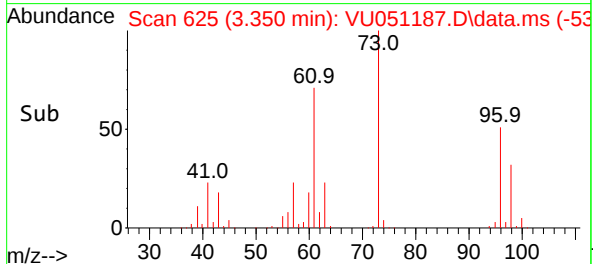
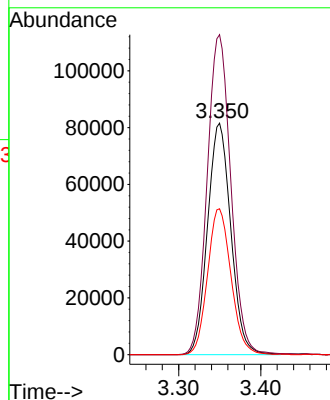
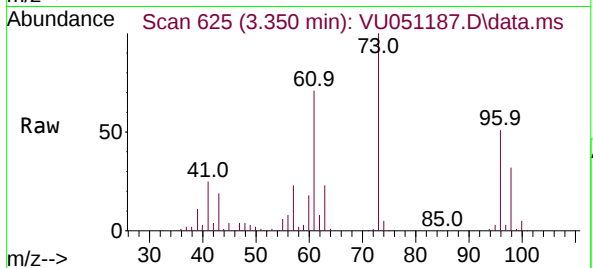
Tgt Ion: 96 Resp: 160763

Ion Ratio Lower Upper

96 100

61 138.2 95.1 176.5

98 63.0 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 47.053 ug/L

RT: 3.363 min Scan# 629

Delta R.T. -0.000 min

Lab File: VU051187.D

Acq: 06 Oct 2022 21:17

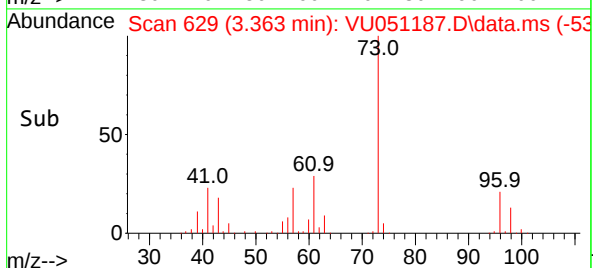
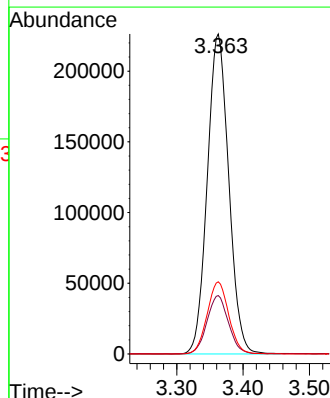
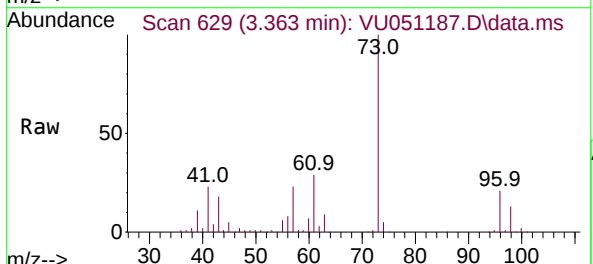
Tgt Ion: 73 Resp: 508236

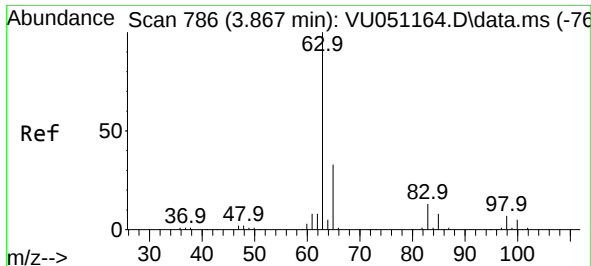
Ion Ratio Lower Upper

73 100

43 18.1 14.7 22.1

57 22.7 17.5 26.3





#19

1,1-Dichloroethane

Concen: 49.501 ug/L

RT: 3.864 min Scan# 7

Delta R.T. -0.003 min

Lab File: VU051187.D

Acq: 06 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD050111

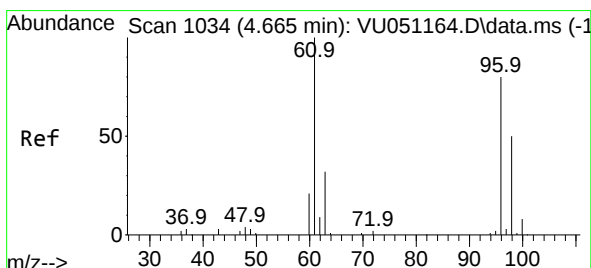
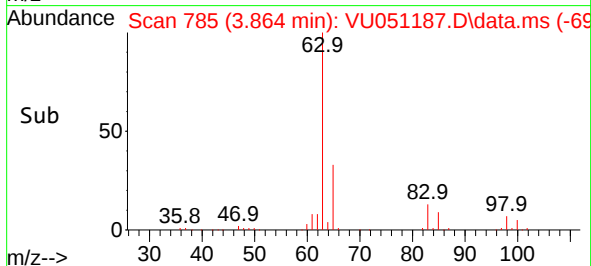
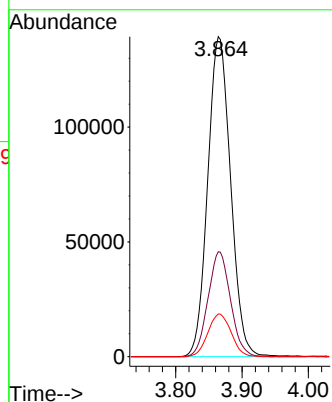
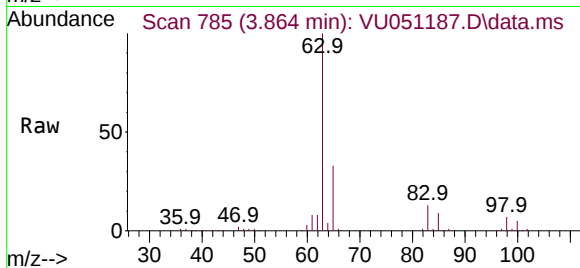
Tgt Ion: 63 Resp: 334208

Ion Ratio Lower Upper

63 100

65 32.8 22.6 42.0

83 13.3 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 47.048 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VU051187.D

Acq: 06 Oct 2022 21:17

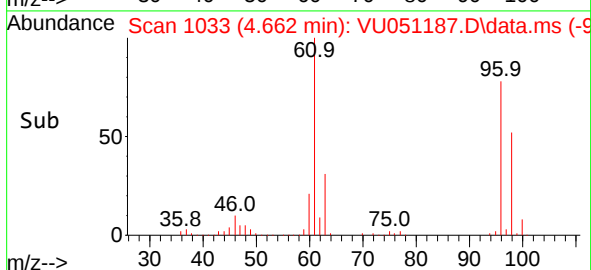
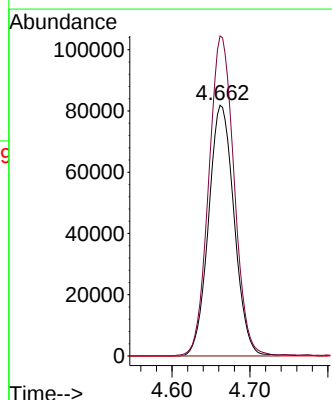
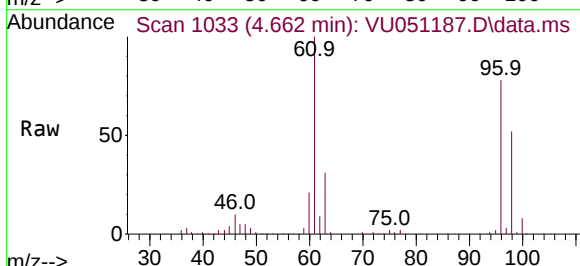
Tgt Ion: 96 Resp: 186711

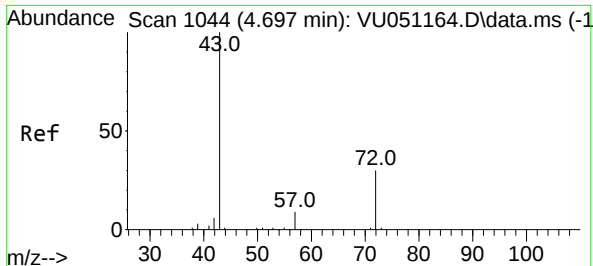
Ion Ratio Lower Upper

96 100

61 127.6 85.4 158.6

68 0.0 0.0 0.0

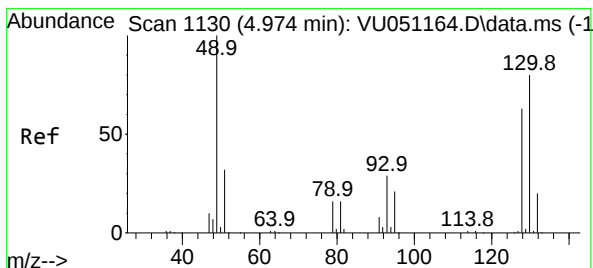
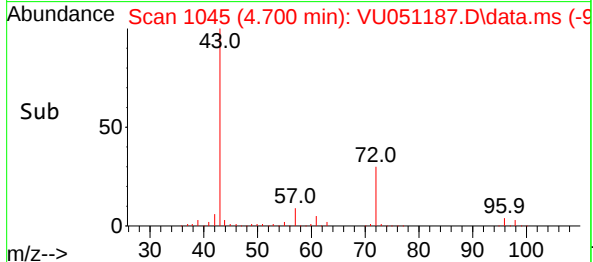
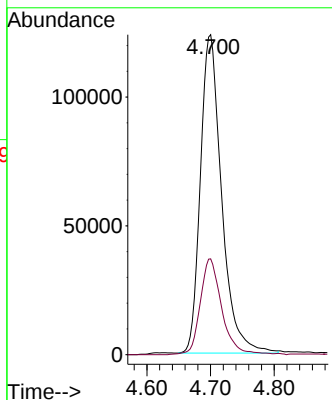
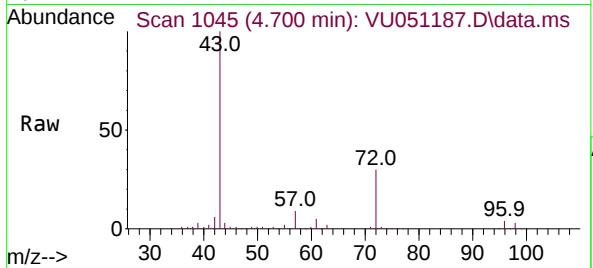




#22
2-Butanone
Concen: 84.430 ug/L
RT: 4.700 min Scan# 1129
Delta R.T. 0.003 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

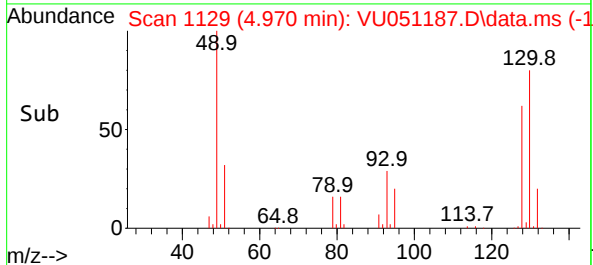
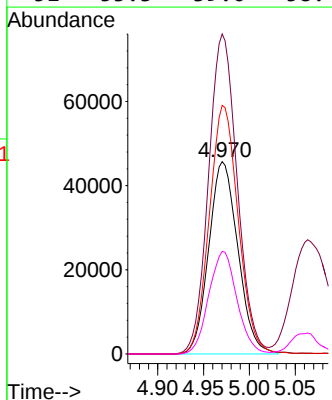
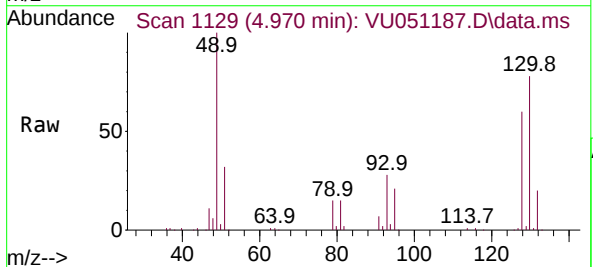
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

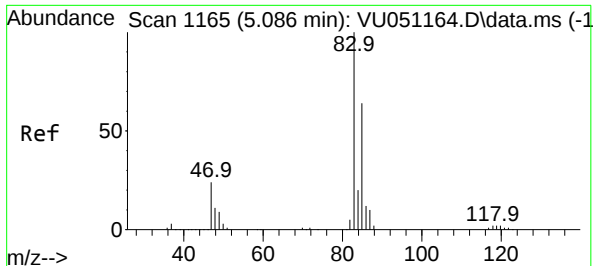
Tgt Ion: 43 Resp: 286853
Ion Ratio Lower Upper
43 100
72 30.4 15.8 47.4



#23
Bromochloromethane
Concen: 46.387 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.003 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Tgt Ion: 128 Resp: 100866
Ion Ratio Lower Upper
128 100
49 166.3 106.9 198.5
130 129.2 86.2 160.0
51 53.3 39.0 58.4





#25

Chloroform

Concen: 47.203 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051187.D

Acq: 06 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

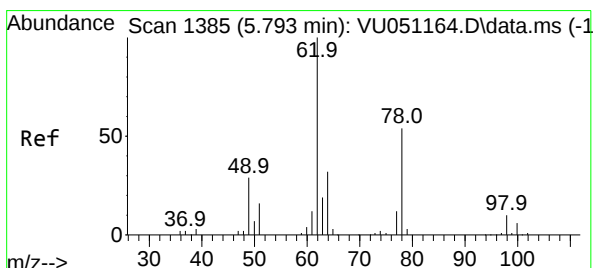
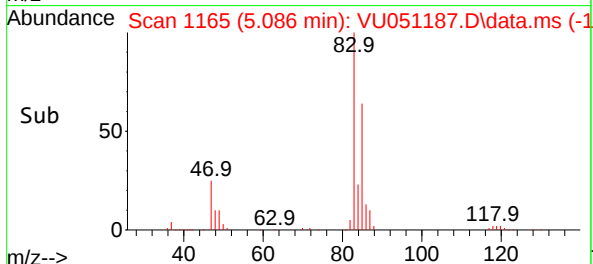
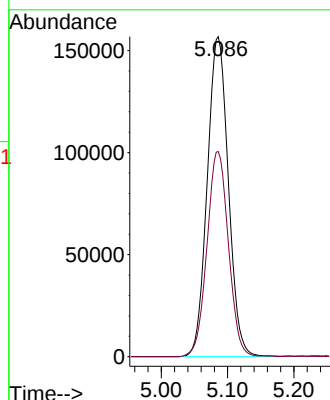
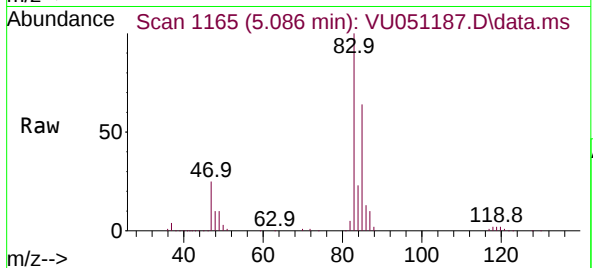
VSTD050111

Tgt Ion: 83 Resp: 346649

Ion Ratio Lower Upper

83 100

85 64.1 45.7 84.9



#27

1,2-Dichloroethane

Concen: 46.741 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU051187.D

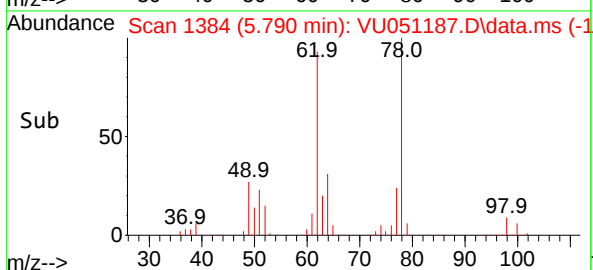
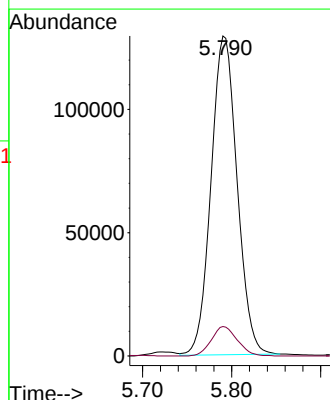
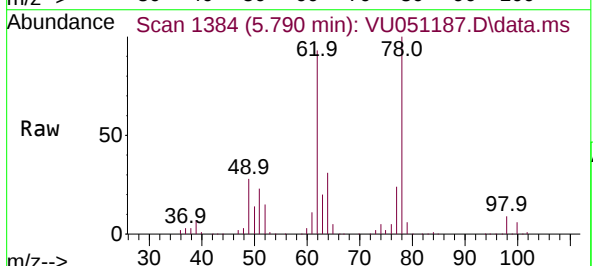
Acq: 06 Oct 2022 21:17

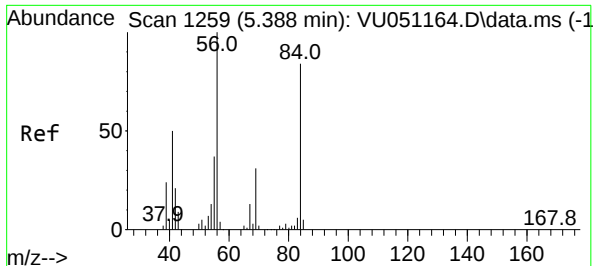
Tgt Ion: 62 Resp: 262941

Ion Ratio Lower Upper

62 100

98 9.2 7.3 10.9





#29

Cyclohexane

Concen: 51.197 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU051187.D

Acq: 06 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD050111

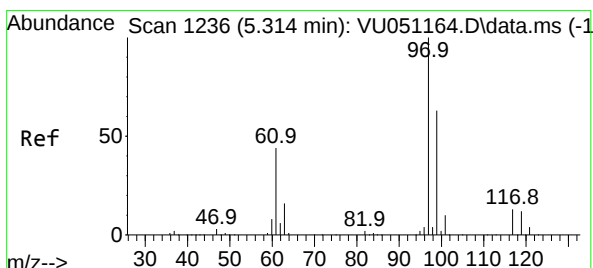
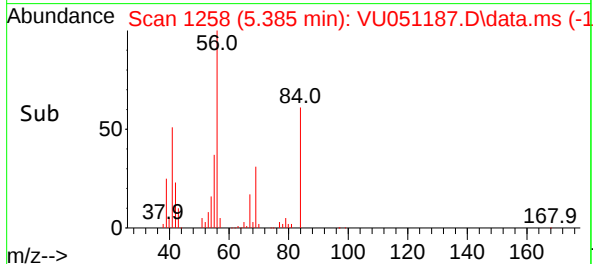
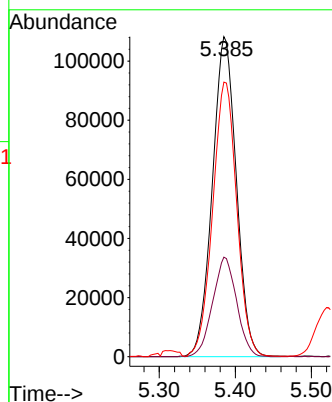
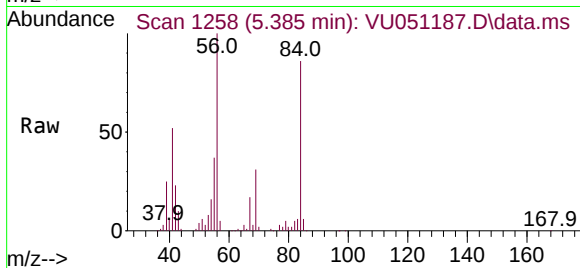
Tgt Ion: 56 Resp: 237265

Ion Ratio Lower Upper

56 100

69 31.1 24.8 37.2

84 86.3 71.8 107.6



#30

1,1,1-Trichloroethane

Concen: 48.293 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU051187.D

Acq: 06 Oct 2022 21:17

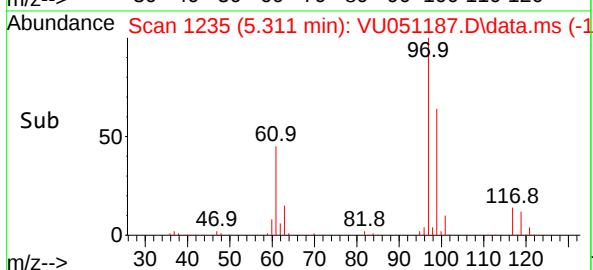
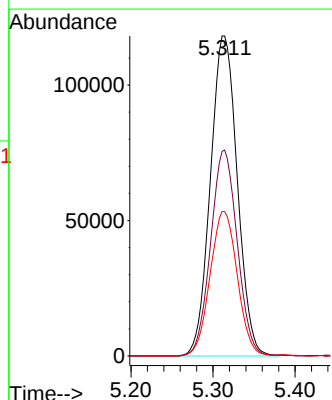
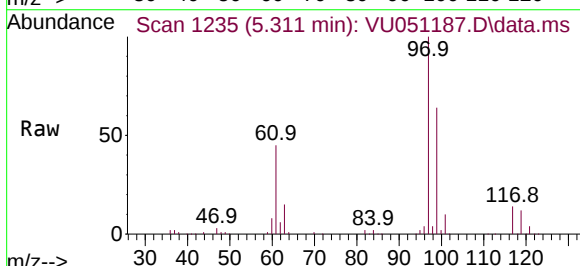
Tgt Ion: 97 Resp: 269566

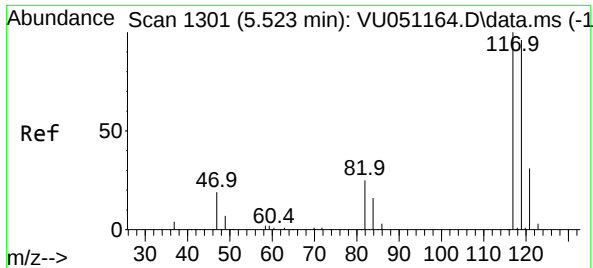
Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.2

61 45.7 36.0 54.0

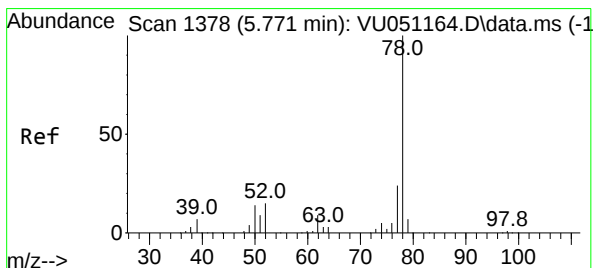
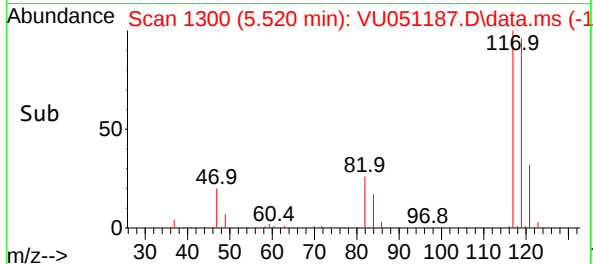
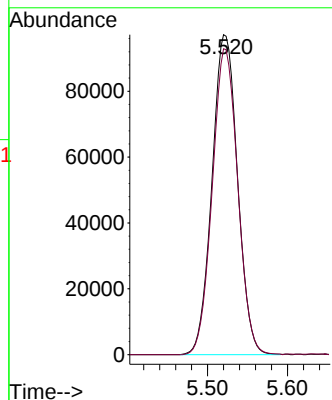
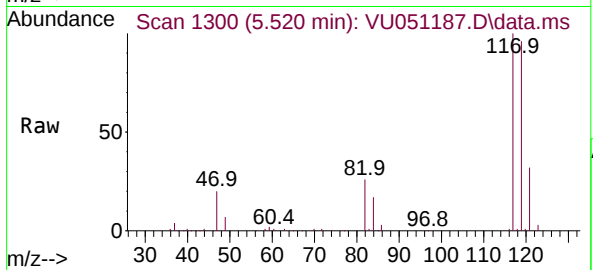




#31
Carbon tetrachloride
Concen: 47.274 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

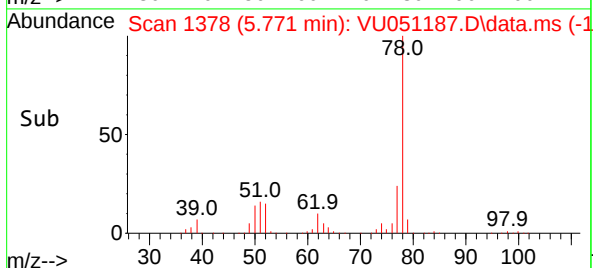
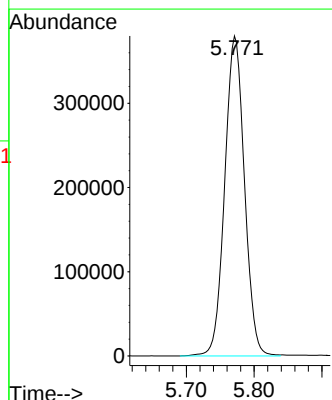
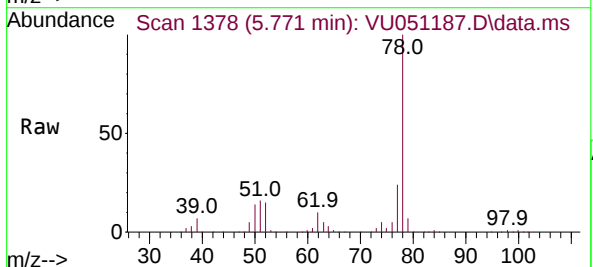
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

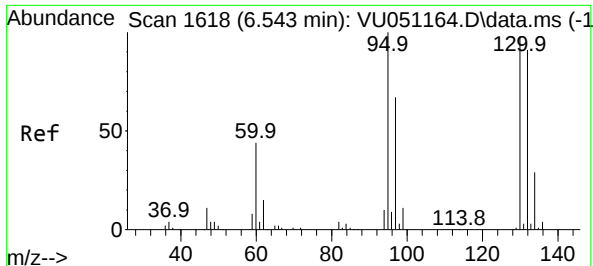
Tgt Ion:117 Resp: 215302
Ion Ratio Lower Upper
117 100
119 95.3 75.7 113.5



#33
Benzene
Concen: 52.973 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Tgt Ion: 78 Resp: 768661

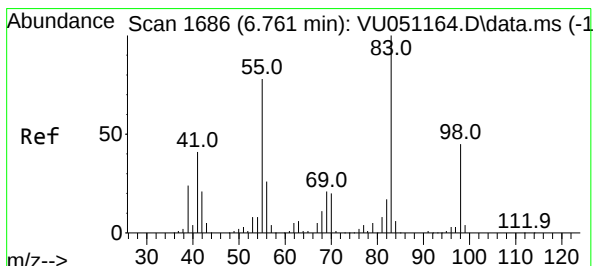
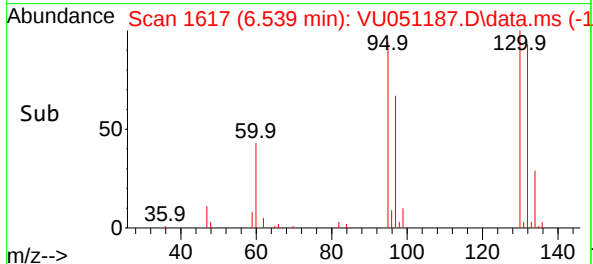
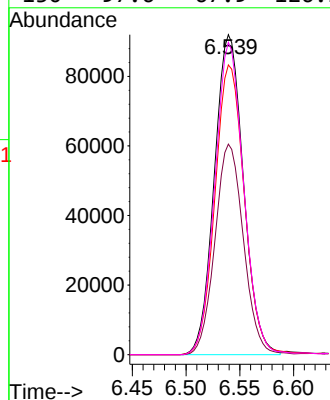
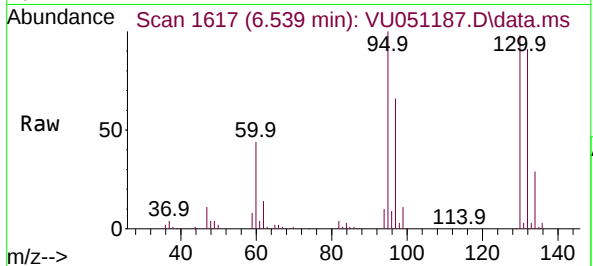




#34
Trichloroethene
Concen: 46.107 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

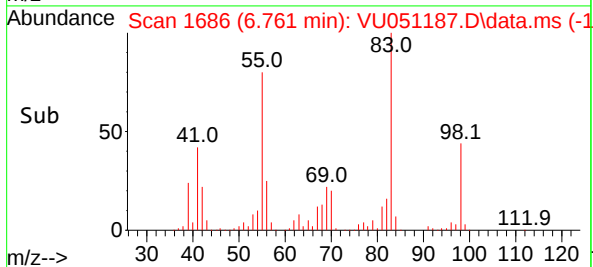
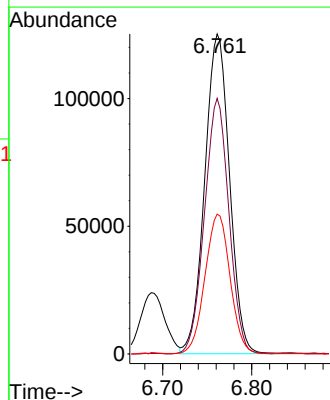
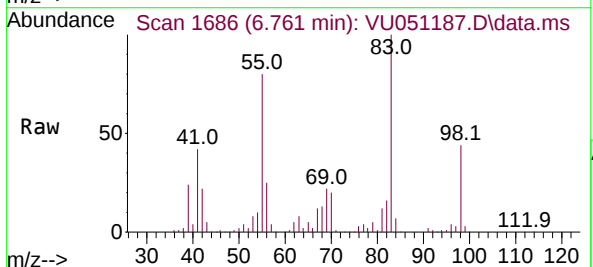
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

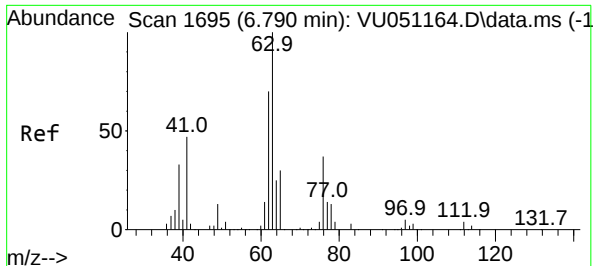
Tgt Ion: 95 Resp: 173284
Ion Ratio Lower Upper
95 100
97 65.8 45.9 85.3
132 90.5 64.0 119.0
130 97.6 67.9 126.1



#35
Methylcyclohexane
Concen: 47.401 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Tgt Ion: 83 Resp: 242465
Ion Ratio Lower Upper
83 100
55 78.7 59.3 88.9
98 44.3 36.0 54.0





#37

1,2-Dichloropropane

Concen: 53.401 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051187.D

Acq: 06 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

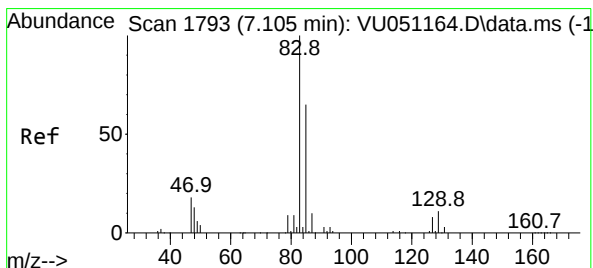
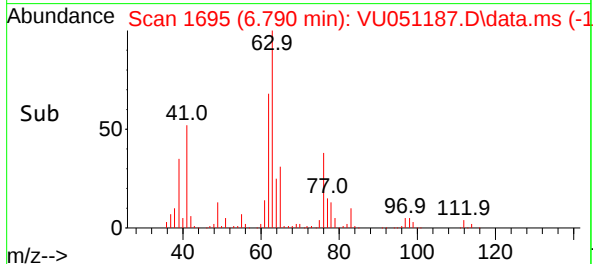
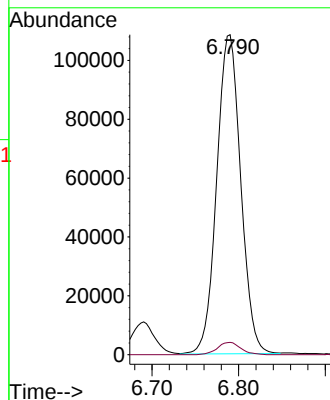
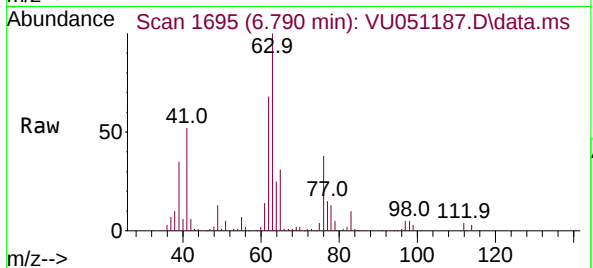
VSTD050111

Tgt Ion: 63 Resp: 208664

Ion Ratio Lower Upper

63 100

112 3.8 3.3 4.9



#38

Bromodichloromethane

Concen: 48.921 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.003 min

Lab File: VU051187.D

Acq: 06 Oct 2022 21:17

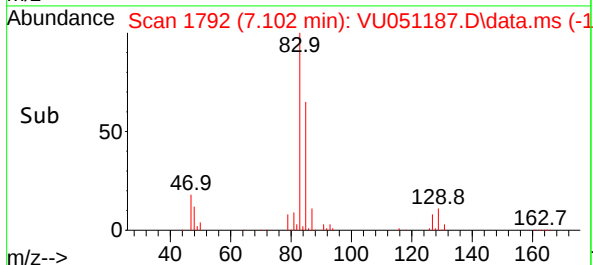
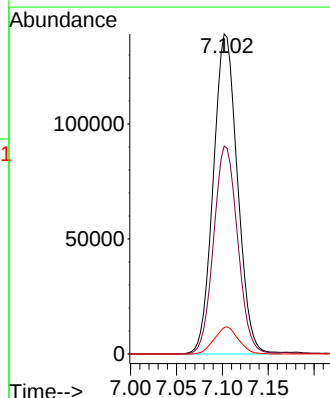
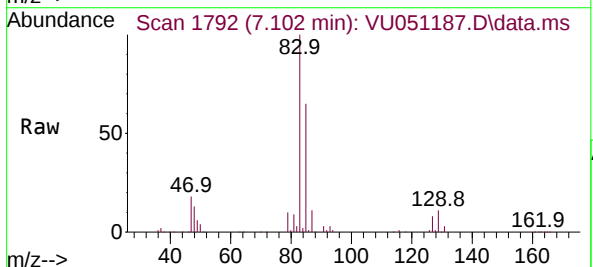
Tgt Ion: 83 Resp: 255108

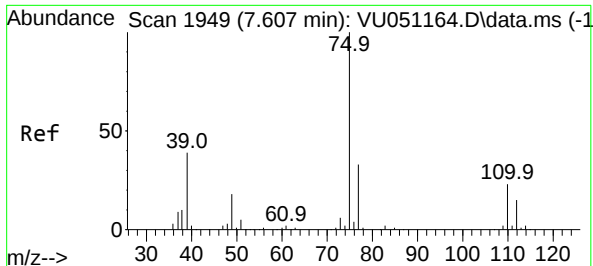
Ion Ratio Lower Upper

83 100

85 65.0 45.1 83.7

127 8.3 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 47.837 ug/L

RT: 7.604 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU051187.D

Acq: 06 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

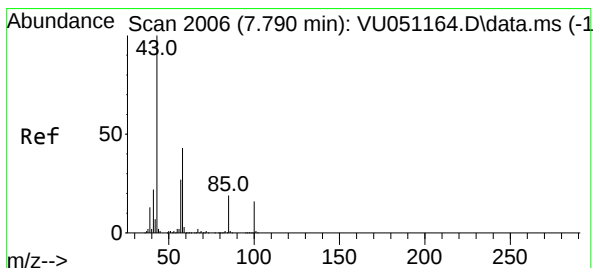
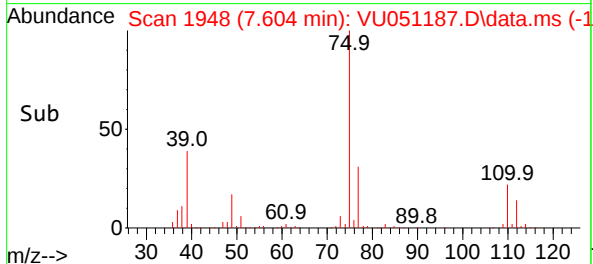
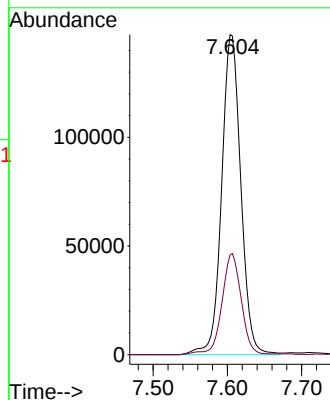
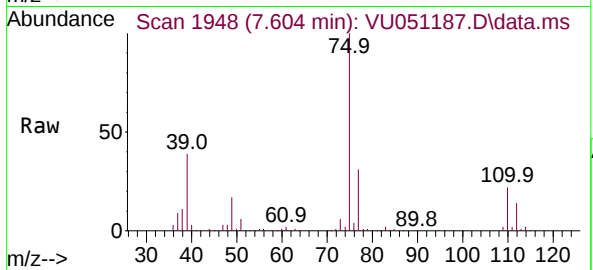
VSTD050111

Tgt Ion: 75 Resp: 264724

Ion Ratio Lower Upper

75 100

77 31.2 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 98.899 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU051187.D

Acq: 06 Oct 2022 21:17

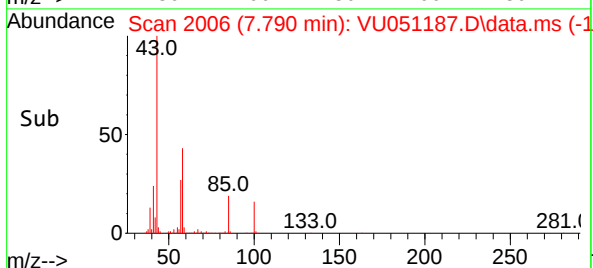
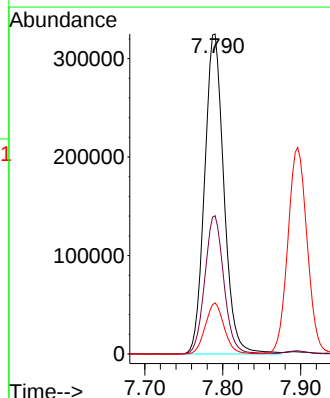
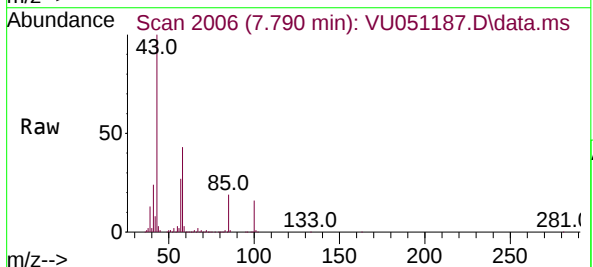
Tgt Ion: 43 Resp: 559654

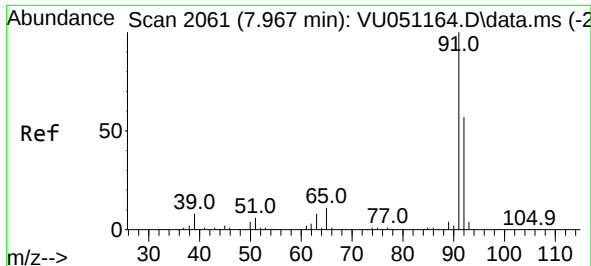
Ion Ratio Lower Upper

43 100

58 42.7 35.0 52.4

100 15.5 13.3 19.9

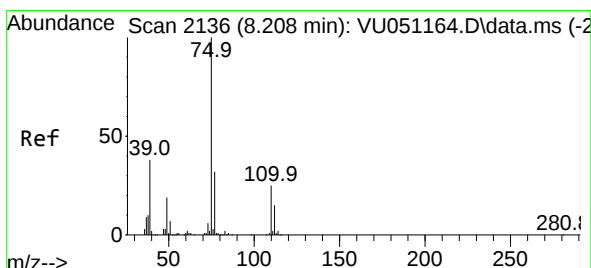
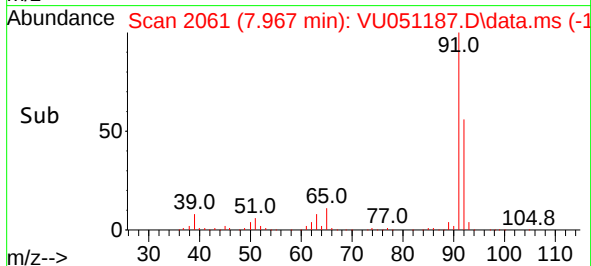
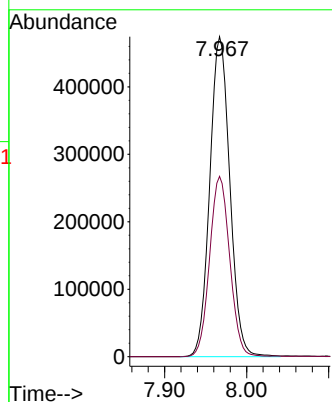
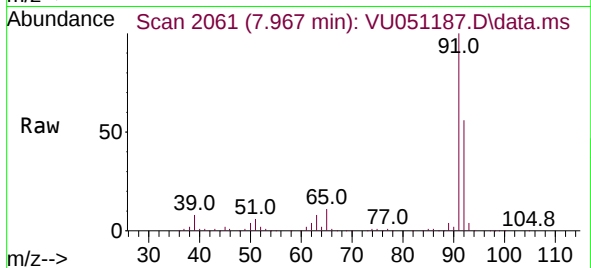




#42
Toluene
Concen: 52.224 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

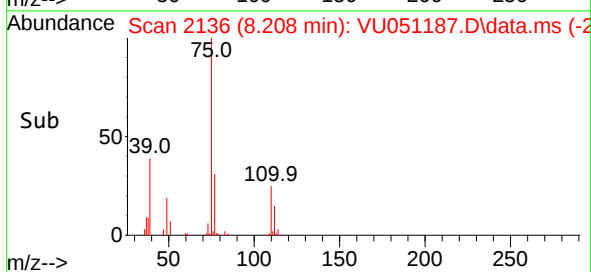
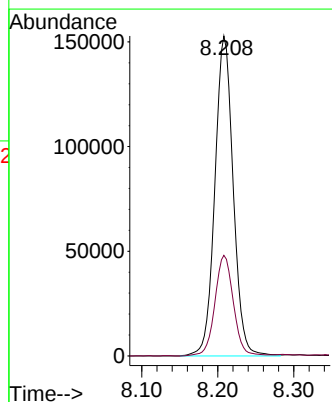
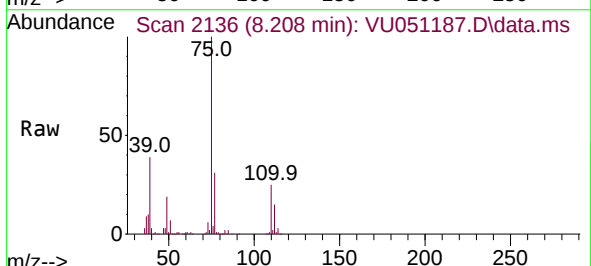
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

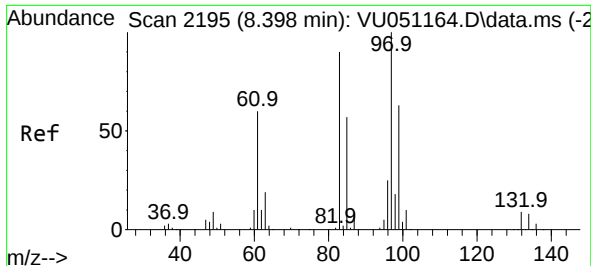
Tgt Ion: 91 Resp: 806029
Ion Ratio Lower Upper
91 100
92 56.3 40.1 74.5



#44
trans-1,3-Dichloropropene
Concen: 45.737 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Tgt Ion: 75 Resp: 255912
Ion Ratio Lower Upper
75 100
77 31.5 22.7 42.3



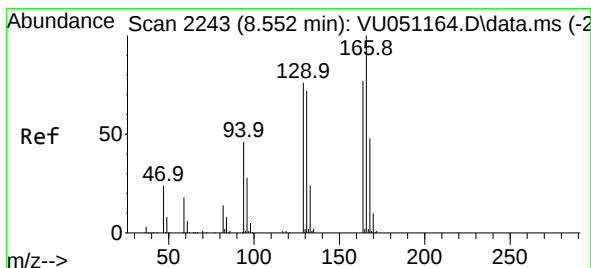
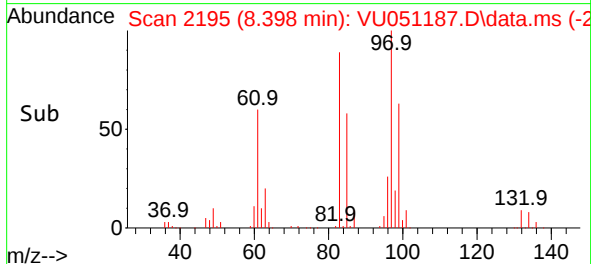
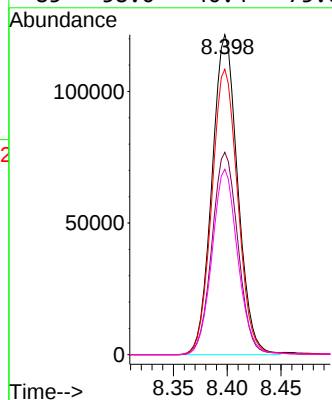
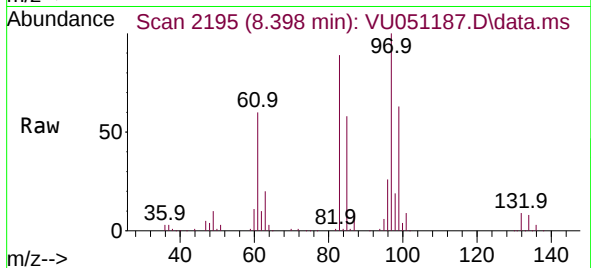


#45
1,1,2-Trichloroethane
Concen: 47.831 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

Tgt Ion: 97 Resp: 202447

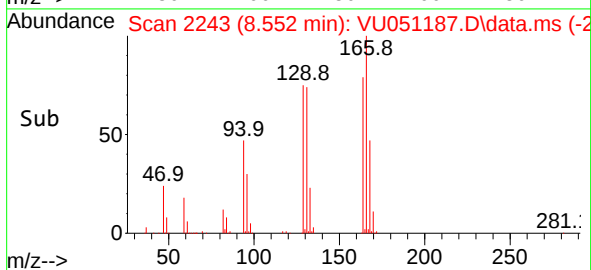
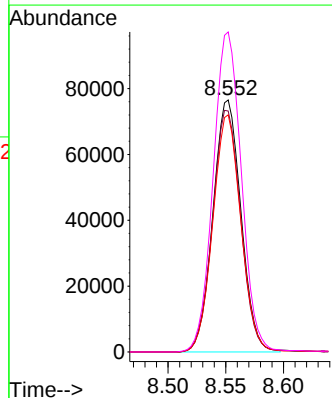
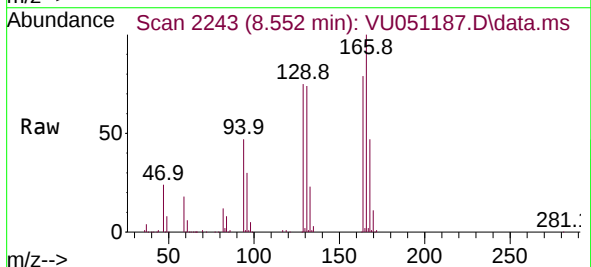
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.4	82.4
83	89.2	61.7	114.5
85	58.0	40.4	75.0

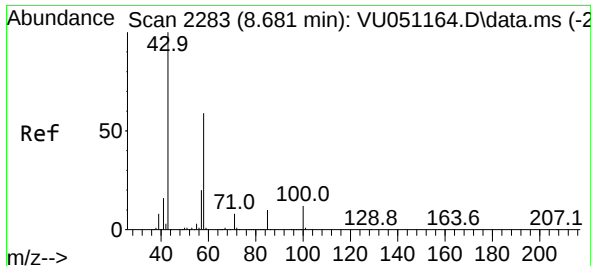


#46
Tetrachloroethene
Concen: 45.366 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Tgt Ion: 164 Resp: 129211

Ion	Ratio	Lower	Upper
164	100		
129	95.6	68.1	126.5
131	94.1	67.8	126.0
166	127.0	90.5	168.1

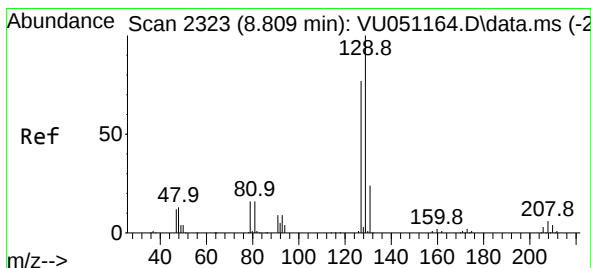
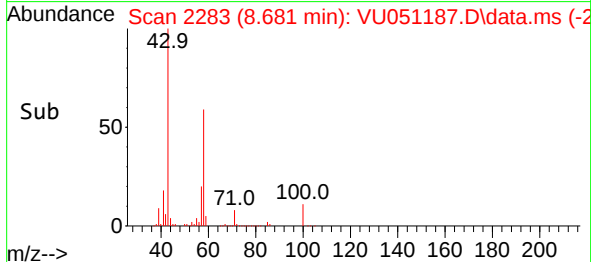
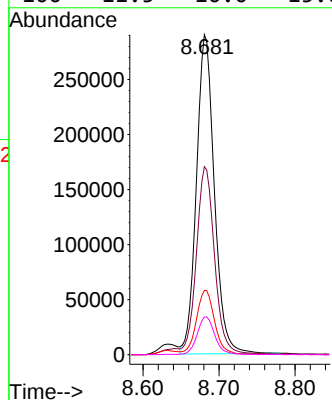
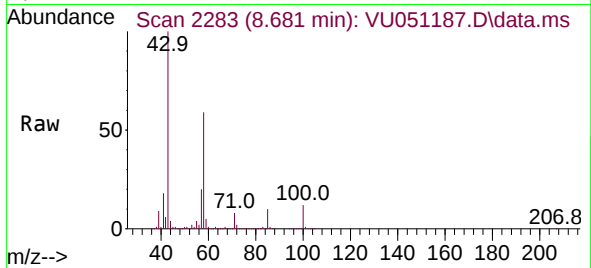




#48
2-Hexanone
Concen: 92.267 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

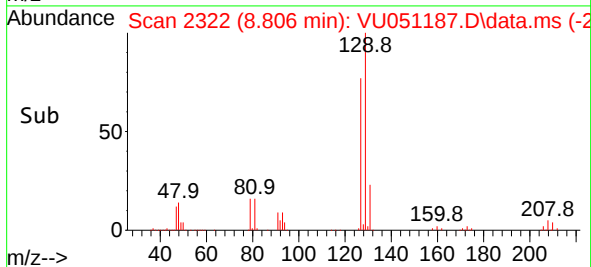
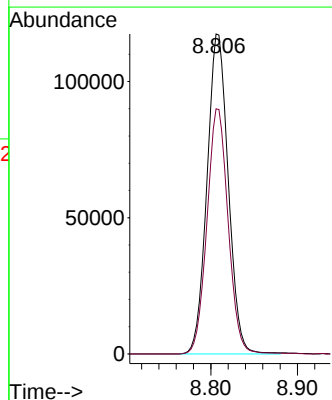
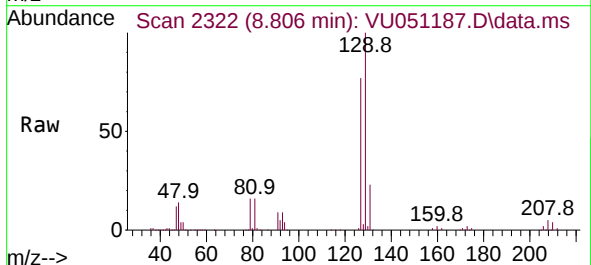
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

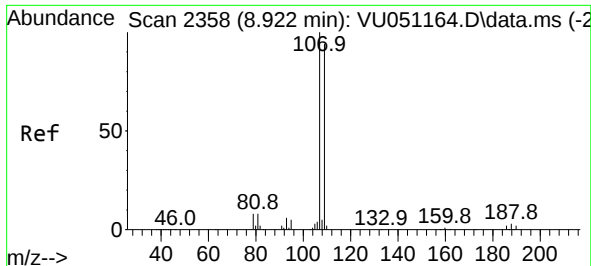
Tgt Ion: 43 Resp: 474240
Ion Ratio Lower Upper
43 100
58 59.0 48.3 72.5
57 20.2 15.9 23.9
100 11.5 10.0 15.0



#49
Dibromochloromethane
Concen: 45.007 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Tgt Ion: 129 Resp: 200280
Ion Ratio Lower Upper
129 100
127 76.6 52.8 98.0





#50

1,2-Dibromoethane

Concen: 45.246 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051187.D

Acq: 06 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD050111

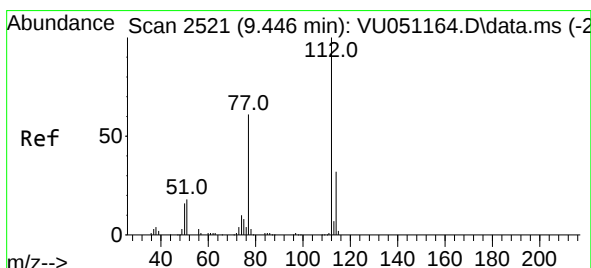
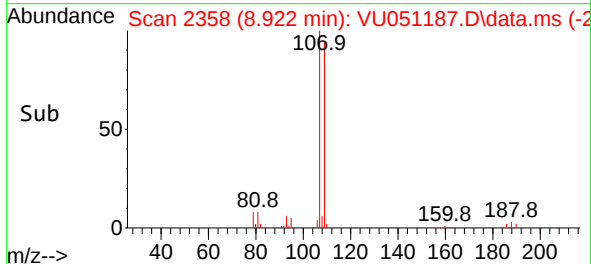
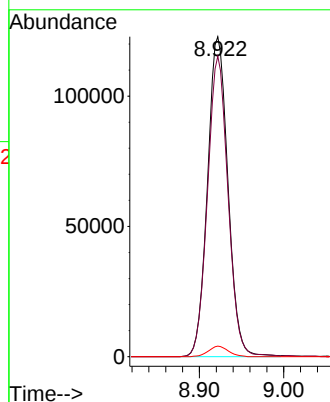
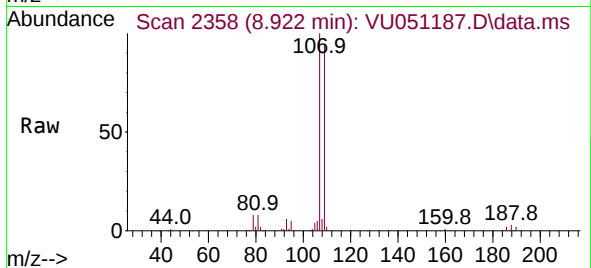
Tgt Ion:107 Resp: 207631

Ion Ratio Lower Upper

107 100

109 93.9 64.1 119.1

188 3.3 2.9 4.3



#51

Chlorobenzene

Concen: 46.168 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051187.D

Acq: 06 Oct 2022 21:17

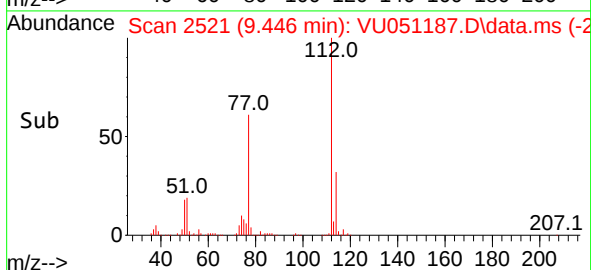
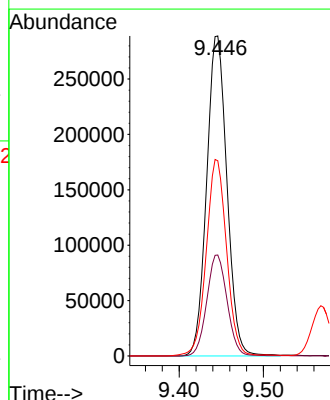
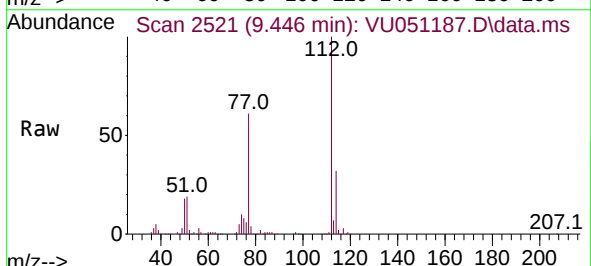
Tgt Ion:112 Resp: 484579

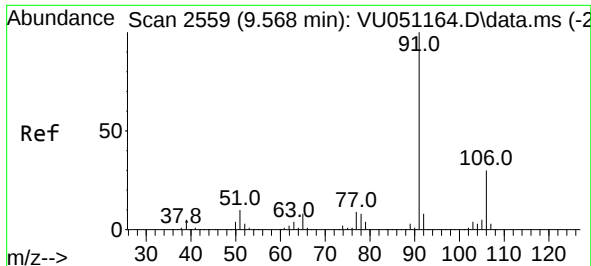
Ion Ratio Lower Upper

112 100

114 31.5 22.3 41.3

77 61.0 48.2 72.2

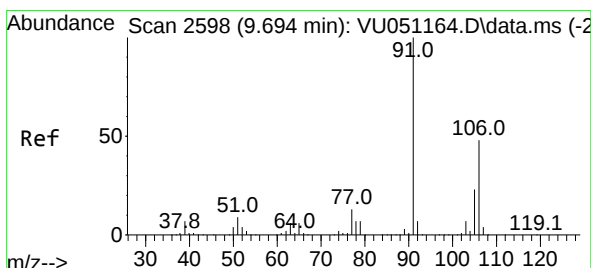
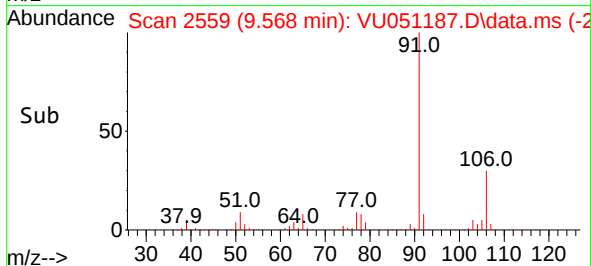
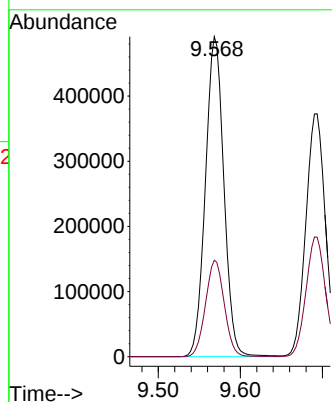
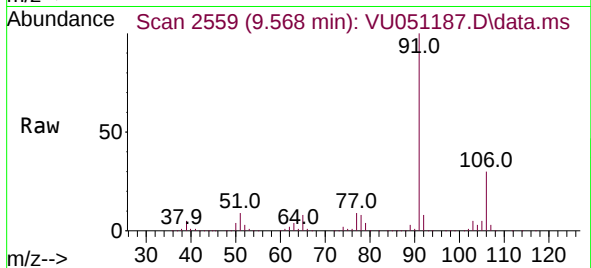




#52
Ethylbenzene
Concen: 46.658 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

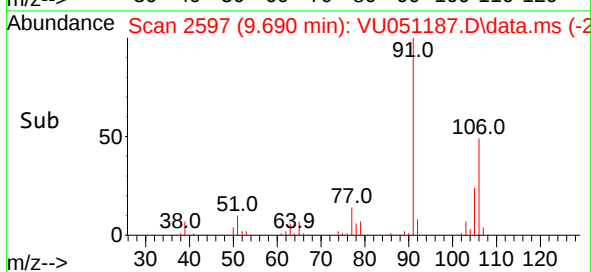
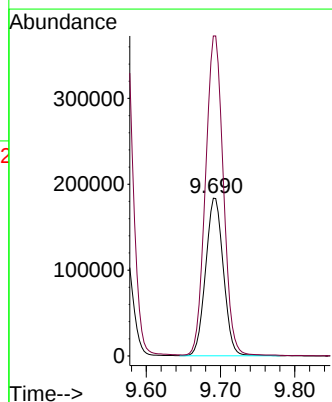
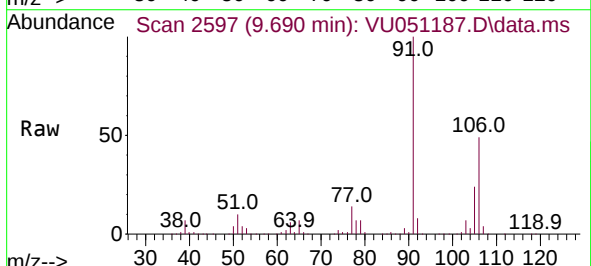
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

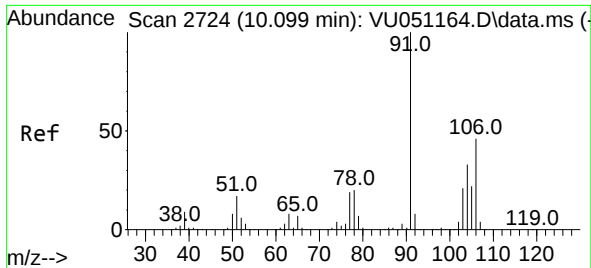
Tgt Ion: 91 Resp: 768127
Ion Ratio Lower Upper
91 100
106 30.1 21.7 40.3



#53
m,p-Xylene
Concen: 49.195 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Tgt Ion: 106 Resp: 304558
Ion Ratio Lower Upper
106 100
91 202.8 141.9 263.5

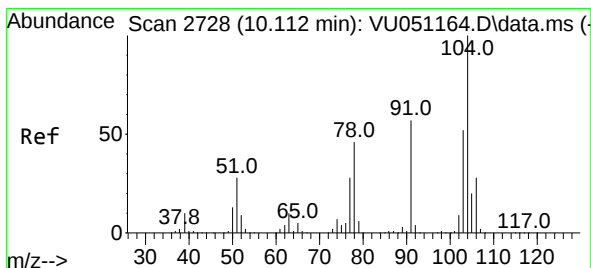
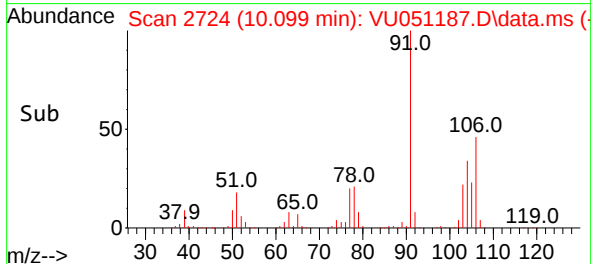
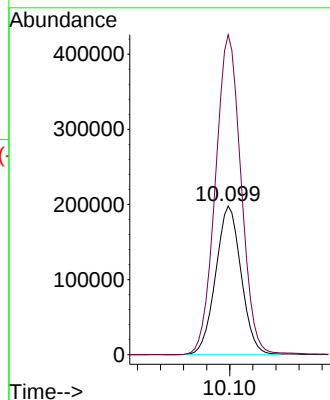
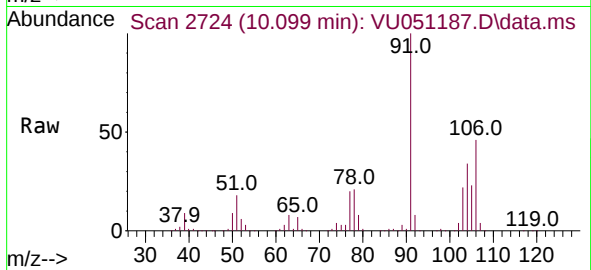




#54
o-Xylene
Concen: 49.113 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

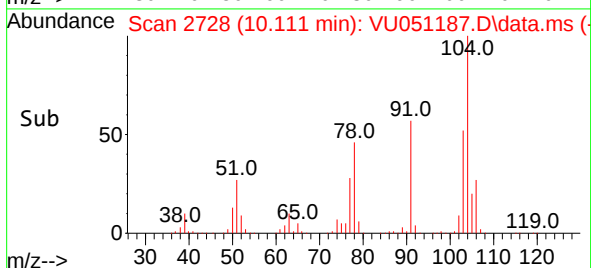
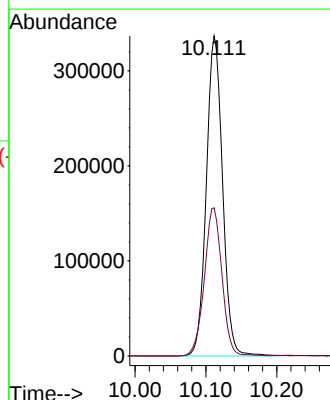
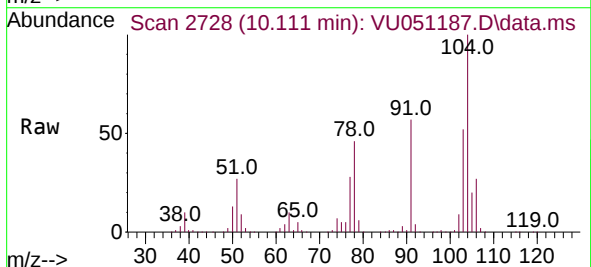
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

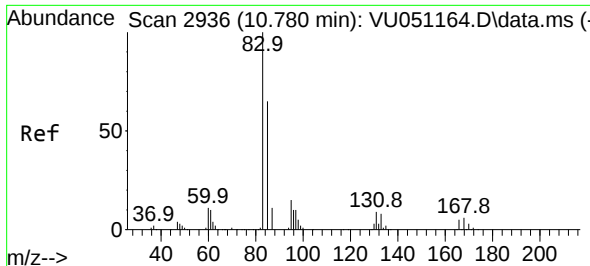
Tgt Ion:106 Resp: 303907
Ion Ratio Lower Upper
106 100
91 215.2 152.4 283.0



#55
Styrene
Concen: 50.133 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Tgt Ion:104 Resp: 536168
Ion Ratio Lower Upper
104 100
78 46.3 31.0 57.6

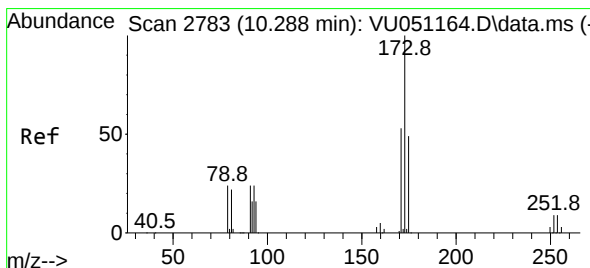
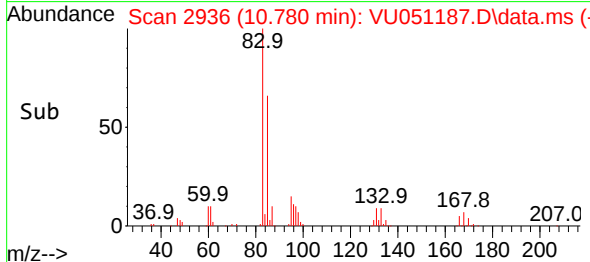
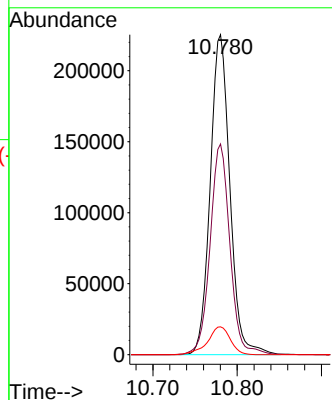
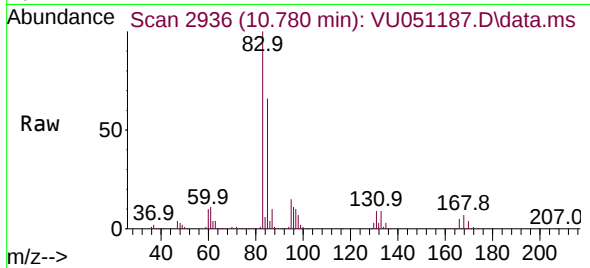




#57
1,1,2,2-Tetrachloroethane
Concen: 48.804 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

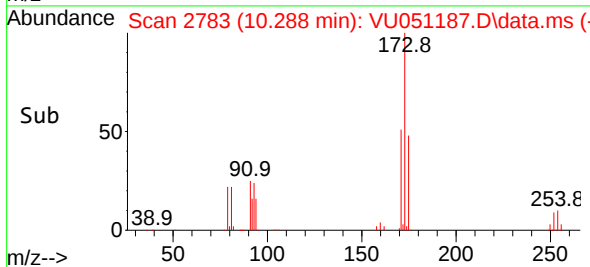
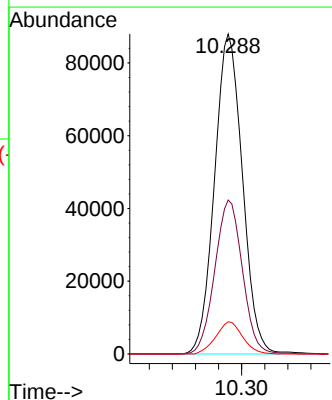
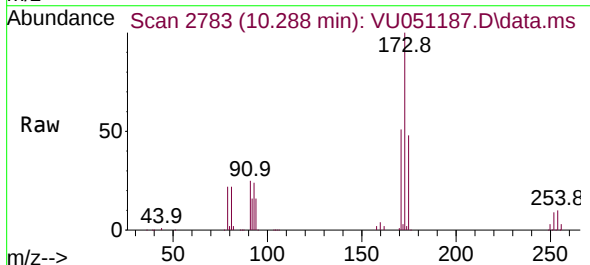
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

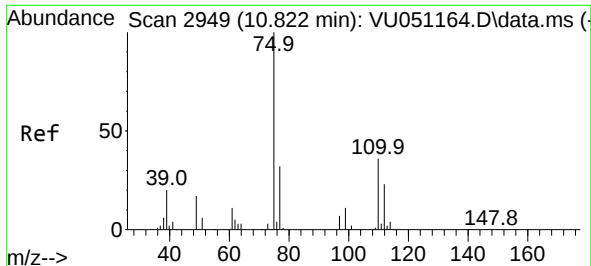
Tgt Ion: 83 Resp: 365577
Ion Ratio Lower Upper
83 100
85 65.9 44.7 83.1
131 8.7 7.0 10.4



#59
Bromoform
Concen: 42.836 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Tgt Ion:173 Resp: 147275
Ion Ratio Lower Upper
173 100
175 47.6 39.4 59.0
254 9.7 7.4 11.0

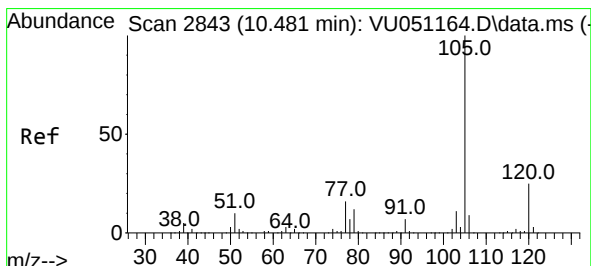
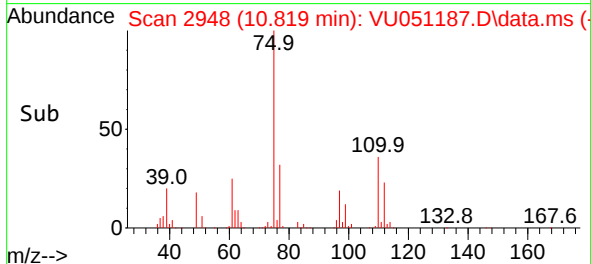
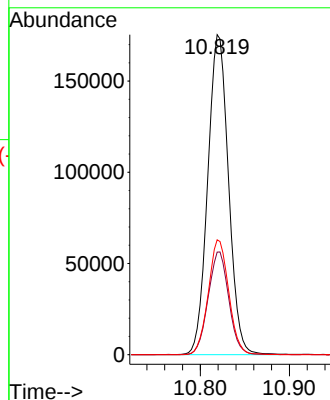
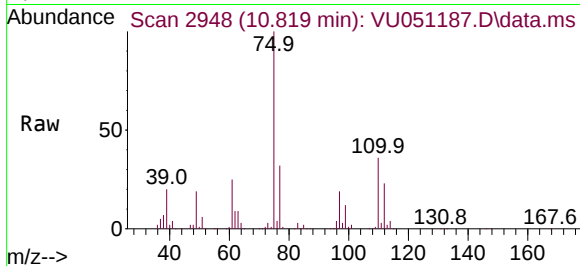




#60
1,2,3-Trichloropropane
Concen: 46.214 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

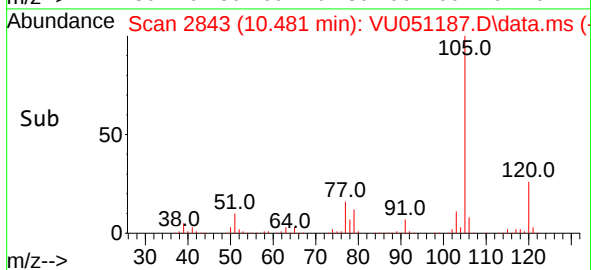
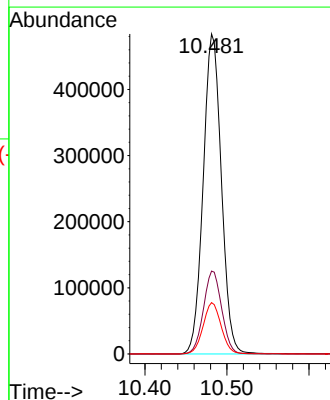
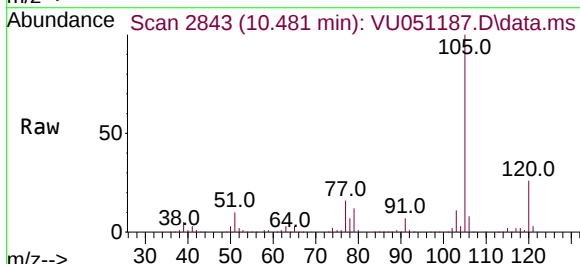
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

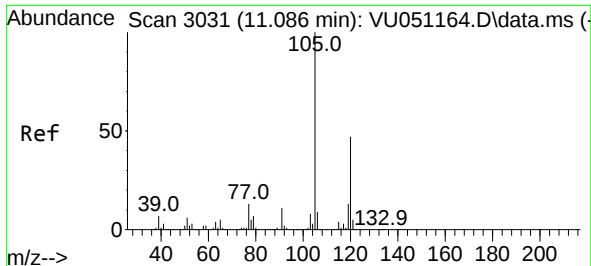
Tgt Ion: 75 Resp: 284179
Ion Ratio Lower Upper
75 100
77 32.0 26.1 39.1
110 35.4 30.0 45.0



#61
Isopropylbenzene
Concen: 49.011 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Tgt Ion: 105 Resp: 743957
Ion Ratio Lower Upper
105 100
120 26.1 21.1 31.7
77 16.0 12.8 19.2

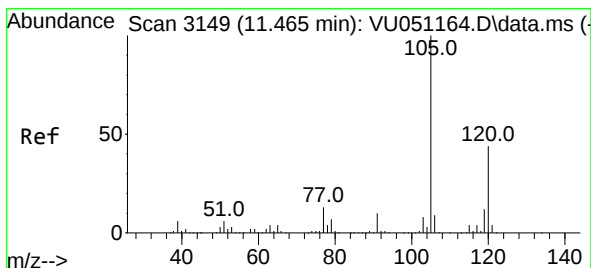
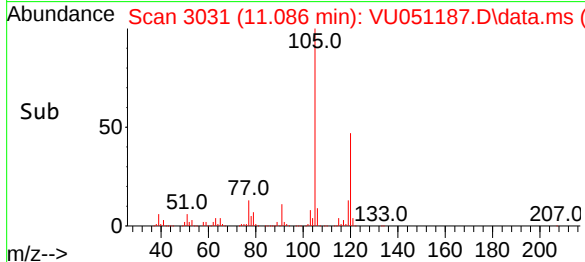
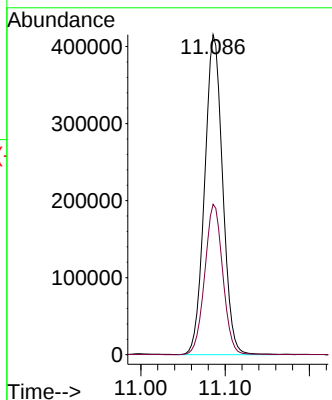
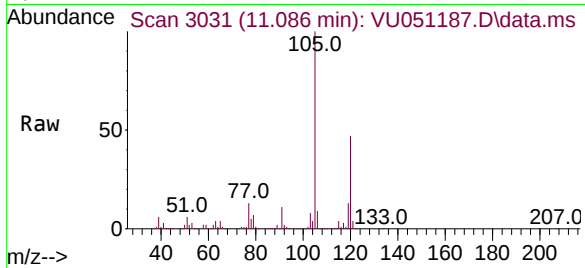




#62
 1,3,5-Trimethylbenzene
 Concen: 49.734 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU051187.D
 Acq: 06 Oct 2022 21:17

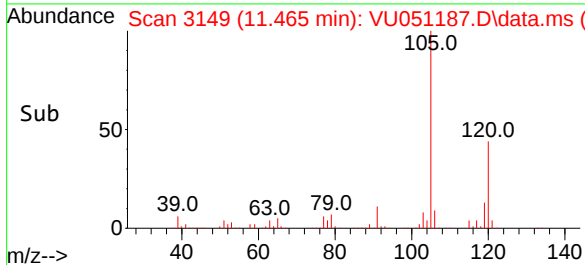
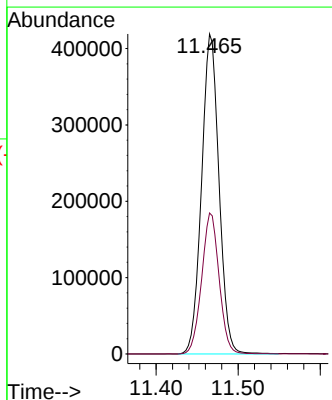
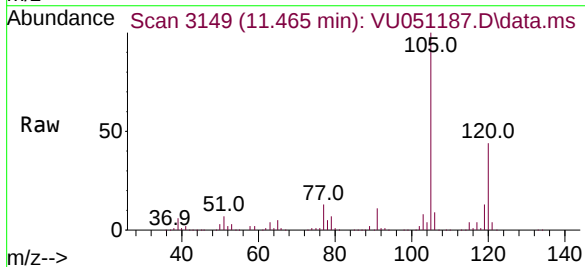
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050111

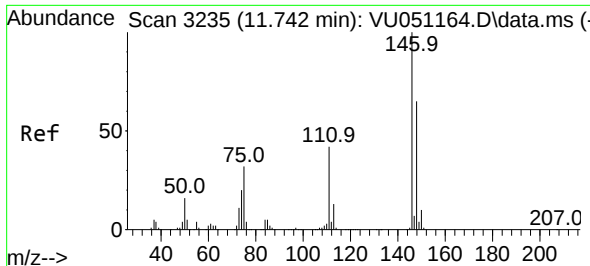
Tgt Ion:105 Resp: 617314
 Ion Ratio Lower Upper
 105 100
 120 47.1 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 49.721 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.000 min
 Lab File: VU051187.D
 Acq: 06 Oct 2022 21:17

Tgt Ion:105 Resp: 618550
 Ion Ratio Lower Upper
 105 100
 120 44.1 35.5 53.3

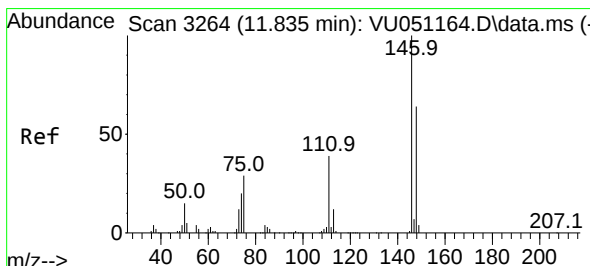
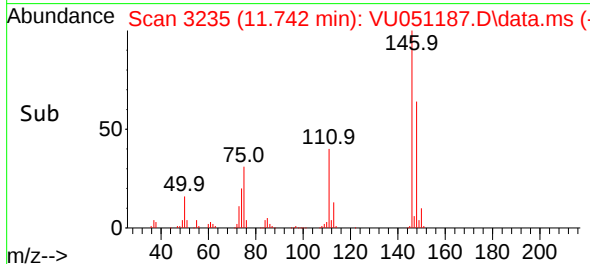
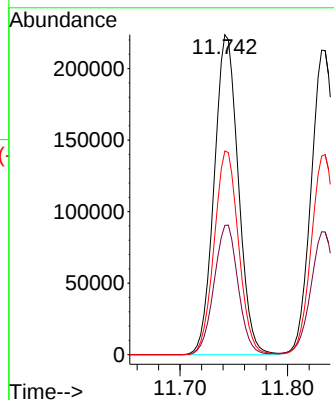
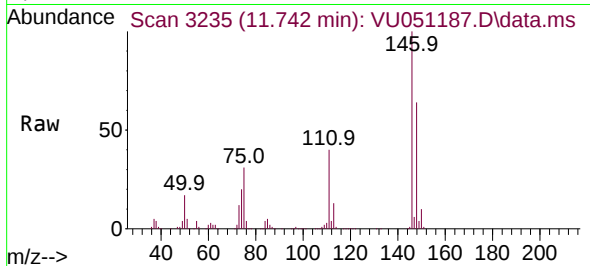




#64
1,3-Dichlorobenzene
Concen: 44.594 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

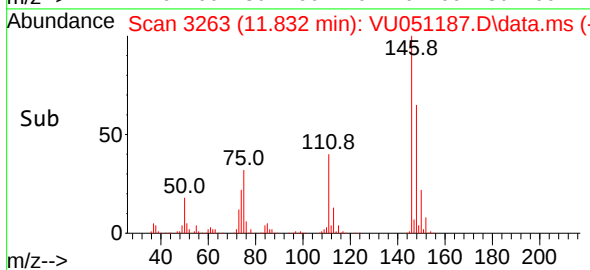
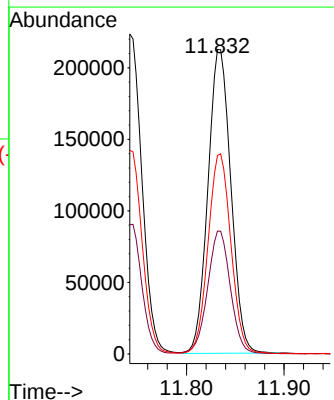
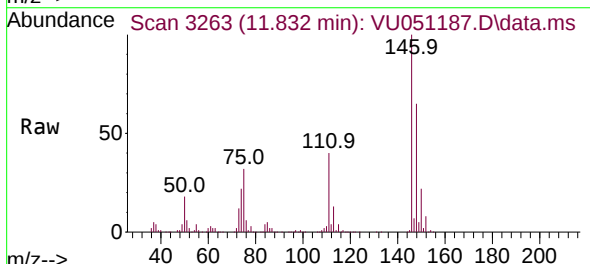
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

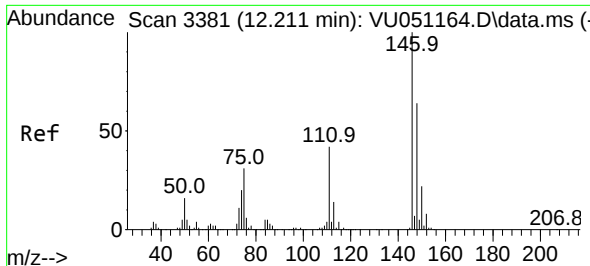
Tgt Ion:146 Resp: 348965
Ion Ratio Lower Upper
146 100
111 40.4 28.2 52.4
148 63.7 43.5 80.9



#65
1,4-Dichlorobenzene
Concen: 44.484 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.003 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Tgt Ion:146 Resp: 347970
Ion Ratio Lower Upper
146 100
111 40.4 27.0 50.2
148 65.2 45.1 83.9

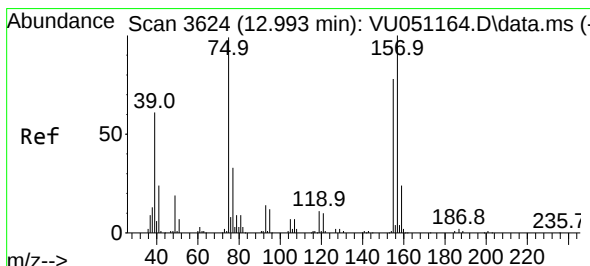
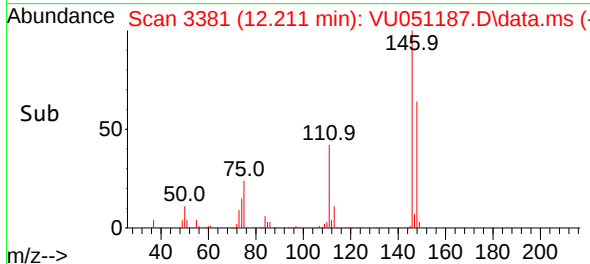
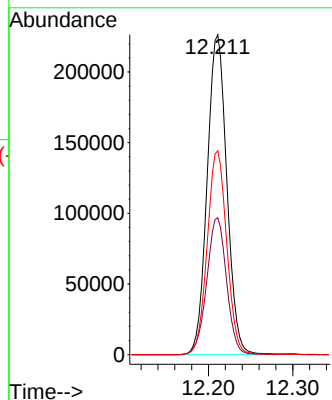
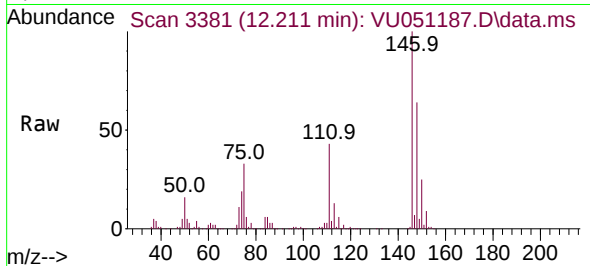




#67
1,2-Dichlorobenzene
Concen: 45.767 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

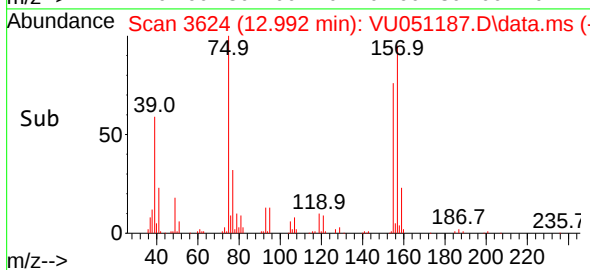
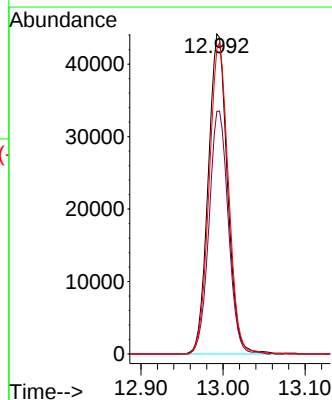
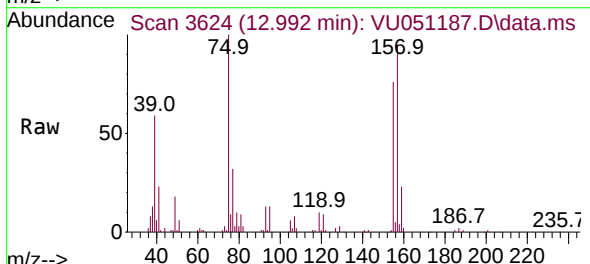
Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

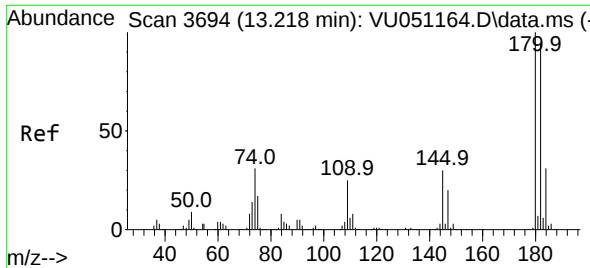
Tgt Ion:146 Resp: 367966
Ion Ratio Lower Upper
146 100
111 42.8 33.7 50.5
148 63.7 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 40.105 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Tgt Ion: 75 Resp: 71967
Ion Ratio Lower Upper
75 100
155 75.8 64.4 96.6
157 99.1 82.2 123.2



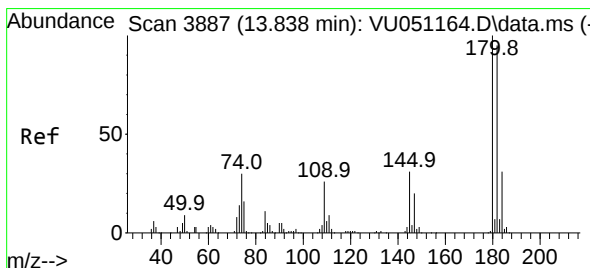
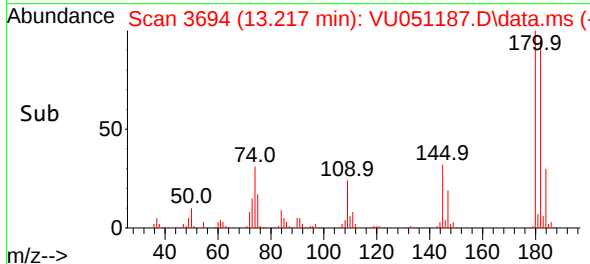
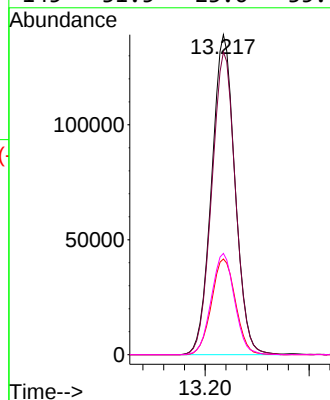
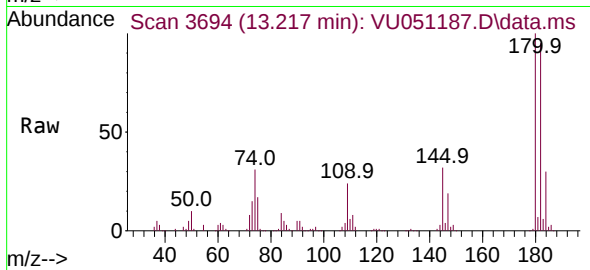


#69
1,3,5-Trichlorobenzene
Concen: 40.930 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD050111

Tgt Ion:180 Resp: 217202

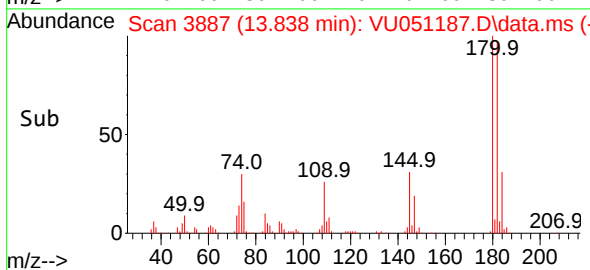
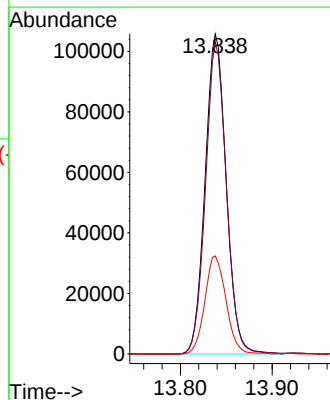
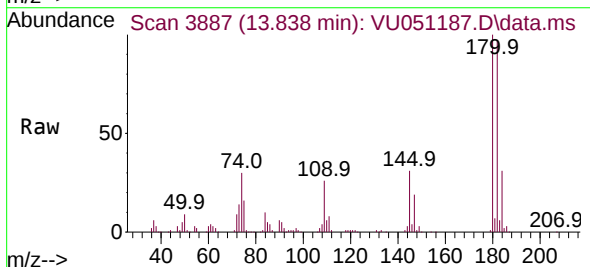
Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.0	115.4
184	30.7	24.4	36.6
145	31.5	23.6	35.4

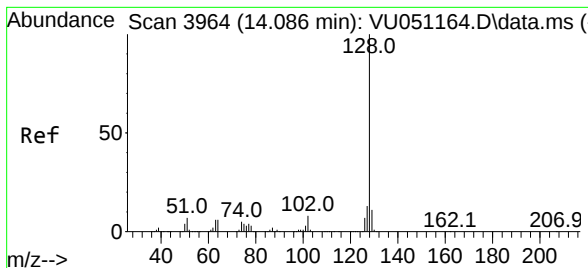


#70
1,2,4-trichlorobenzene
Concen: 38.914 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. -0.000 min
Lab File: VU051187.D
Acq: 06 Oct 2022 21:17

Tgt Ion:180 Resp: 168956

Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.9	113.9
145	30.6	24.0	36.0





#71

Naphthalene

Concen: 40.305 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. -0.000 min

Lab File: VU051187.D

Acq: 06 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD050111

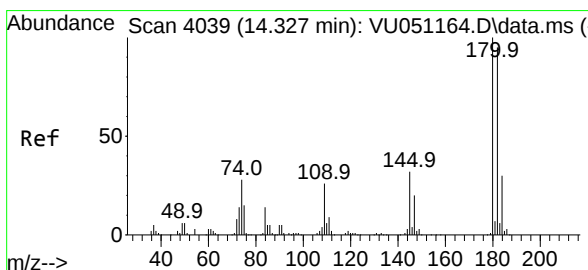
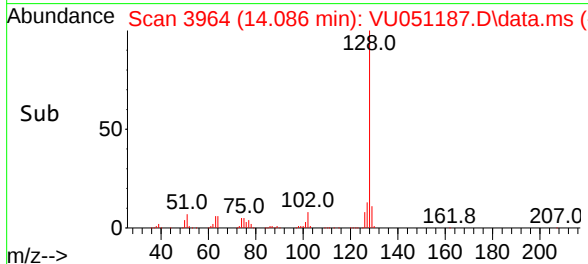
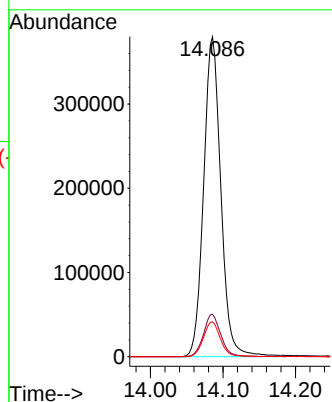
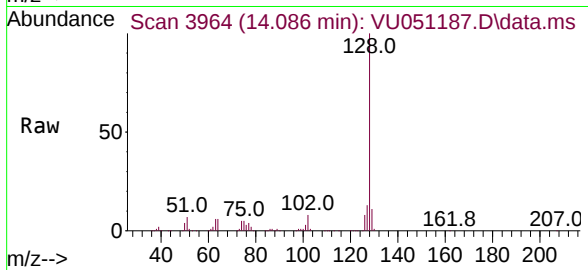
Tgt Ion:128 Resp: 626350

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 41.775 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. -0.000 min

Lab File: VU051187.D

Acq: 06 Oct 2022 21:17

Tgt Ion:180 Resp: 202398

Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

145 32.6 26.1 39.1

