

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102722\
 Data File : VU051538.D
 Acq On : 27 Oct 2022 14:03
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005184

Quant Time: Oct 28 00:02:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 27 08:11:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	313880	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	307911	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	155107	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	94945	3.750	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.000%
7) Chloroethane-d5	1.909	69	92440	4.249	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.562	65	35800	3.577	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.600%
20) 2-Butanone-d5	4.620	46	265326	47.597	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.200%
24) Chloroform-d	5.063	84	198961	4.215	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
26) 1,2-Dichloroethane-d4	5.700	65	99377	4.082	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.600%
32) Benzene-d6	5.726	84	387707	4.577	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	6.690	67	126021	4.381	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.600%
41) Toluene-d8	7.896	98	333320	4.398	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
43) trans-1,3-Dichloroprop...	8.179	79	39580	4.188	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.800%
46) 2-Hexanone-d5	8.629	63	220218	69.134	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	138.260%#
56) 1,1,2,2-Tetrachloroeth...	10.755	84	105427	4.588	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	120075	4.454	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	148546	5.802	ug/L	98
3) Chloromethane	1.527	50	167604	4.662	ug/L	99
5) Vinyl chloride	1.601	62	163865	4.647	ug/L	100
6) Bromomethane	1.848	94	101706	5.296	ug/L	99
8) Chloroethane	1.929	64	95822	4.261	ug/L	100
9) Trichlorofluoromethane	2.134	101	188583	4.640	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	112049	4.593	ug/L	95
12) 1,1-Dichloroethene	2.578	96	114260	4.992	ug/L #	78
13) Acetone	2.623	43	157995	37.789	ug/L	95
14) Carbon disulfide	2.790	76	362727	5.174	ug/L	98
15) Methyl Acetate	2.948	43	41575	4.091	ug/L	91
16) Methylene chloride	3.041	84	168595	4.988	ug/L	95
17) Methyl tert-butyl Ether	3.363	73	272420	5.196	ug/L	95
18) trans-1,2-Dichloroethene	3.350	96	124667	5.177	ug/L	94
19) 1,1-Dichloroethane	3.867	63	220725	4.442	ug/L	99
21) 2-Butanone	4.700	43	276214	41.920	ug/L	91
22) cis-1,2-Dichloroethene	4.665	96	137946	5.172	ug/L	94
23) Bromochloromethane	4.973	128	63380	4.980	ug/L	92
25) Chloroform	5.086	83	227184	4.377	ug/L	100

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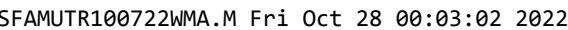
Instrument :
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 ClientSampleId :
 VSTD005184

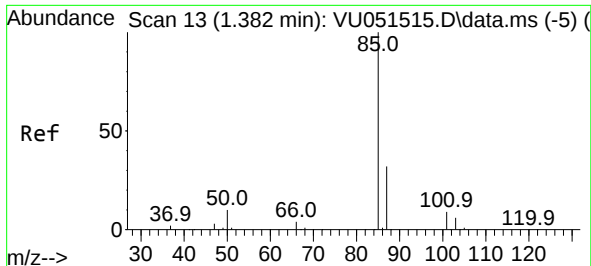
Quant Time: Oct 28 00:02:52 2022
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 27 08:11:03 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	136123	4.378	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	181762	4.927	ug/L	97
30) Cyclohexane	5.385	56	178601	5.708	ug/L	99
31) Carbon tetrachloride	5.523	117	154713	4.956	ug/L	97
33) Benzene	5.771	78	532004	5.175	ug/L	100
34) Trichloroethene	6.539	95	127493	4.972	ug/L	93
35) Methylcyclohexane	6.761	83	190169	5.878	ug/L	94
37) 1,2-Dichloropropane	6.790	63	134207	4.763	ug/L	99
38) Bromodichloromethane	7.105	83	161687	4.811	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	176573	5.214	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	688140	46.554	ug/L	95
42) Toluene	7.967	91	573189	5.253	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	149101	5.091	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	98956	5.002	ug/L	95
47) Tetrachloroethene	8.552	164	99702	5.288	ug/L	98
48) 2-Hexanone	8.681	43	488070	44.345	ug/L #	97
49) Dibromochloromethane	8.809	129	113119	5.093	ug/L	100
50) 1,2-Dibromoethane	8.922	107	91525	5.198	ug/L	96
51) Chlorobenzene	9.446	112	349942	5.368	ug/L	98
52) Ethylbenzene	9.568	91	560793	5.719	ug/L	98
53) m,p-Xylene	9.690	106	228054	5.997	ug/L	98
54) o-Xylene	10.099	106	219470	6.099	ug/L	98
55) Styrene	10.111	104	369033	5.958	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	118494	4.839	ug/L	99
59) Bromoform	10.288	173	62845	4.870	ug/L	99
60) Isopropylbenzene	10.481	105	553472	5.634	ug/L	97
61) 1,2,3-Trichloropropane	10.822	75	82574	4.216	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	149094	5.721	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	440644	5.979	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	261600	5.383	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	252604	5.274	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	250093	5.294	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	17663	4.715	ug/L	87
69) 1,3,5-Trichlorobenzene	13.217	180	183747	5.486	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	138994	5.838	ug/L	96
71) Naphthalene	14.086	128	248495	5.616	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	137334	5.577	ug/L	100

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

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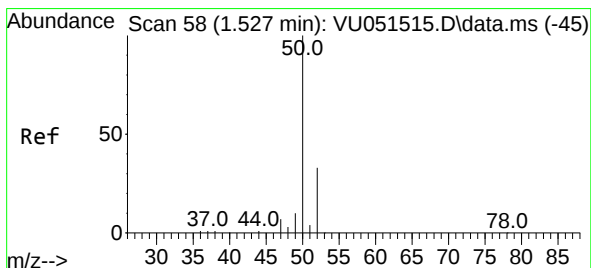
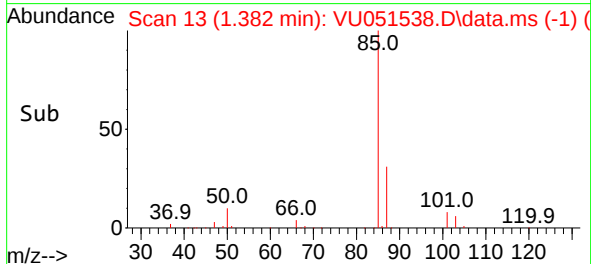
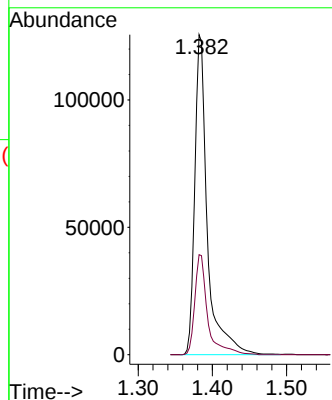
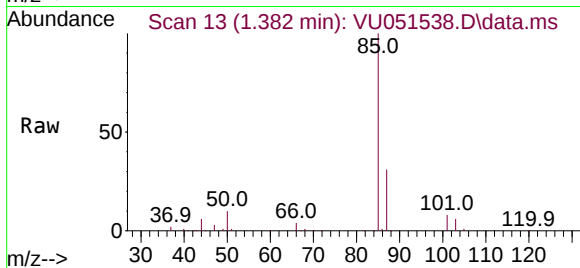




#2
Dichlorodifluoromethane
Concen: 5.802 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

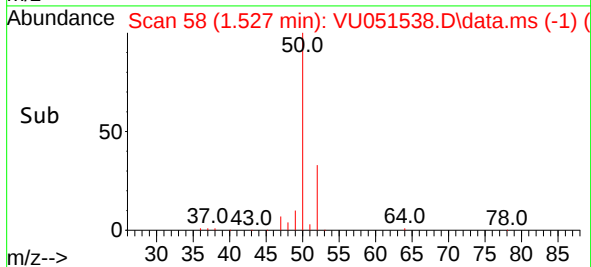
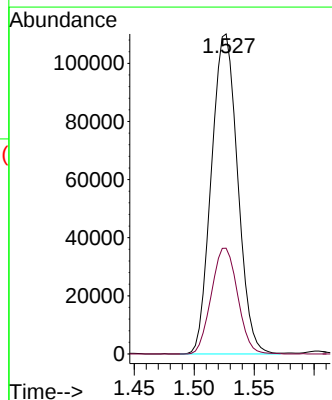
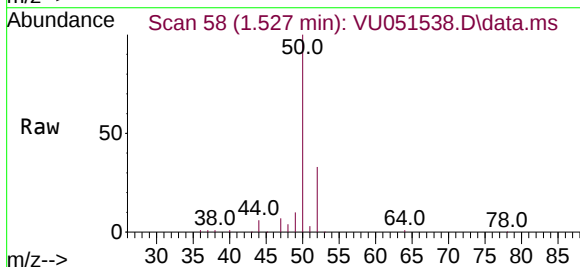
Instrument :
MSVOA_U
ClientSampleId :
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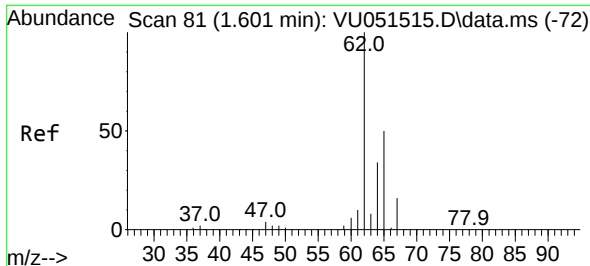
Tgt Ion: 85 Resp: 148546
Ion Ratio Lower Upper
85 100
87 31.9 26.2 39.4



#3
Chloromethane
Concen: 4.662 ug/L
RT: 1.527 min Scan# 58
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

Tgt Ion: 50 Resp: 167604
Ion Ratio Lower Upper
50 100
52 33.1 22.9 42.5

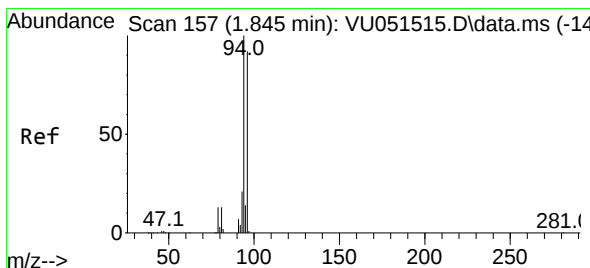
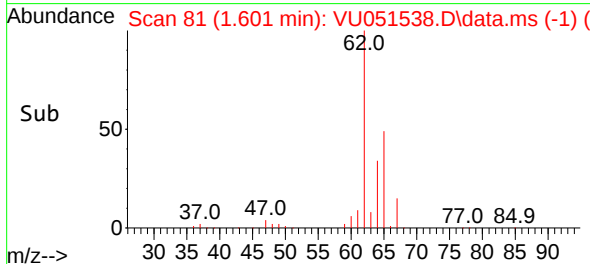
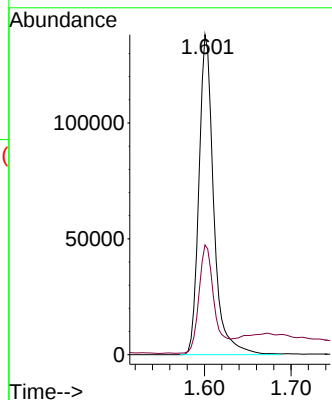
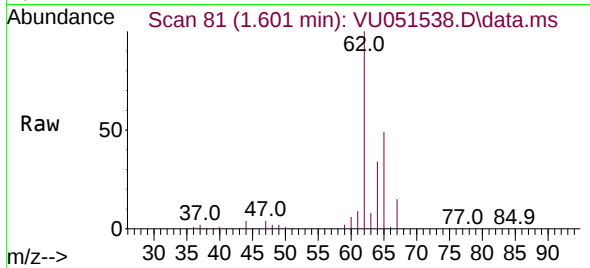




#5
 Vinyl chloride
 Concen: 4.647 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU051538.D
 Acq: 27 Oct 2022 14:03

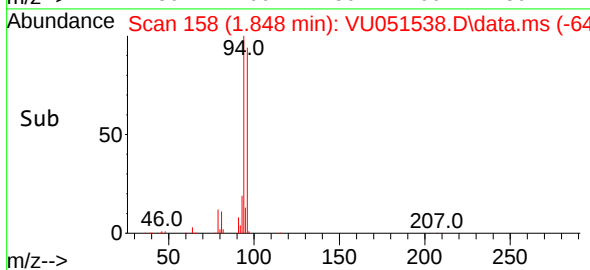
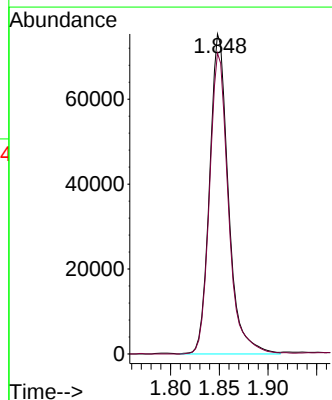
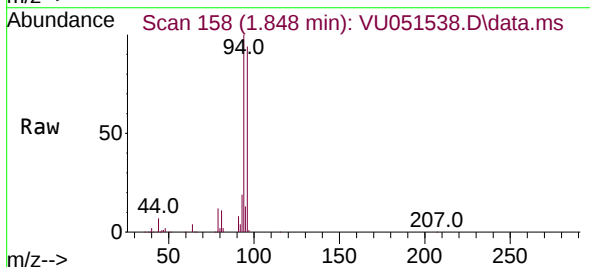
Instrument :
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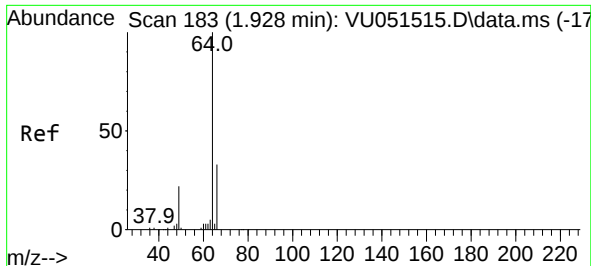
Tgt Ion: 62 Resp: 163865
 Ion Ratio Lower Upper
 62 100
 64 34.3 24.0 44.6



#6
 Bromomethane
 Concen: 5.296 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. 0.003 min
 Lab File: VU051538.D
 Acq: 27 Oct 2022 14:03

Tgt Ion: 94 Resp: 101706
 Ion Ratio Lower Upper
 94 100
 96 94.0 64.9 120.5

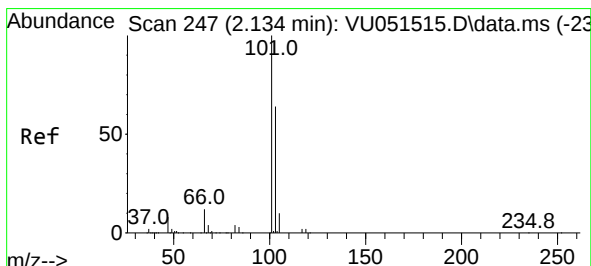
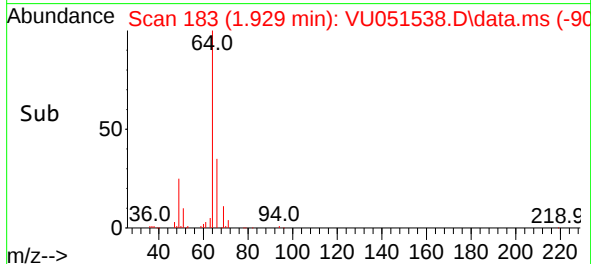
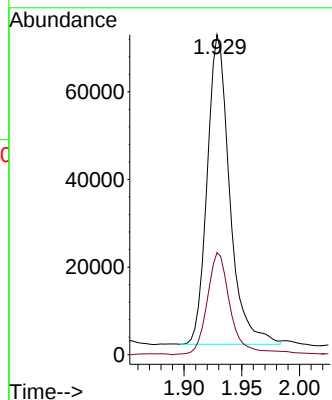
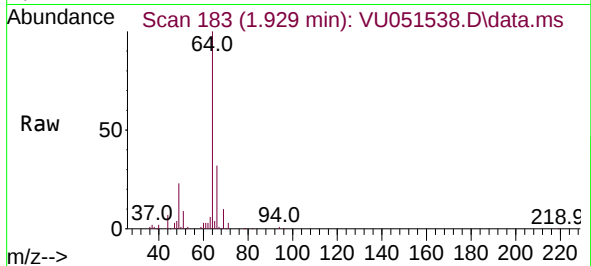




#8
Chloroethane
Concen: 4.261 ug/L
RT: 1.929 min Scan# 183
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

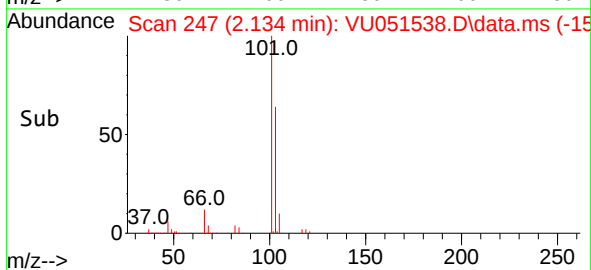
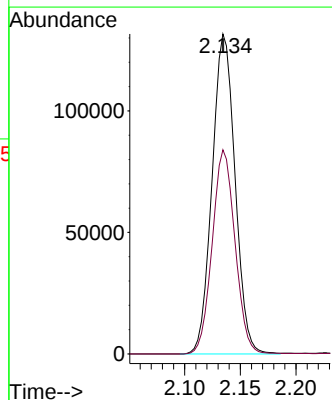
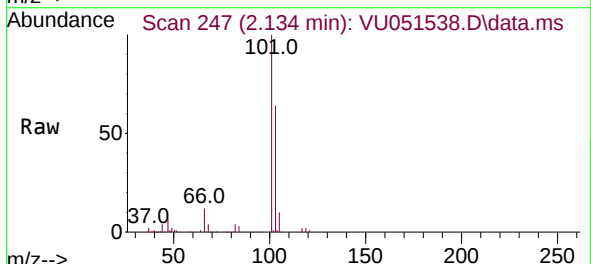
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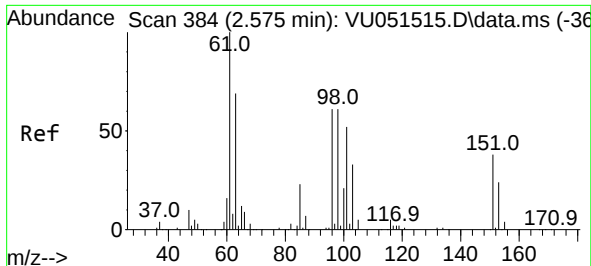
Tgt Ion: 64 Resp: 95822
Ion Ratio Lower Upper
64 100
66 31.9 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.640 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

Tgt Ion: 101 Resp: 188583
Ion Ratio Lower Upper
101 100
103 63.6 52.2 78.2

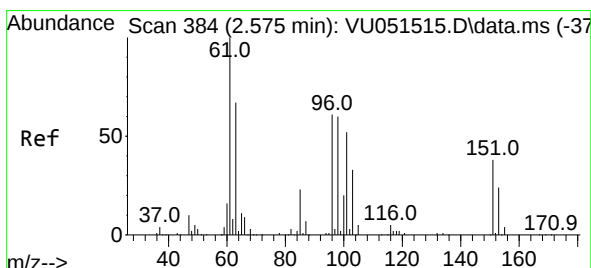
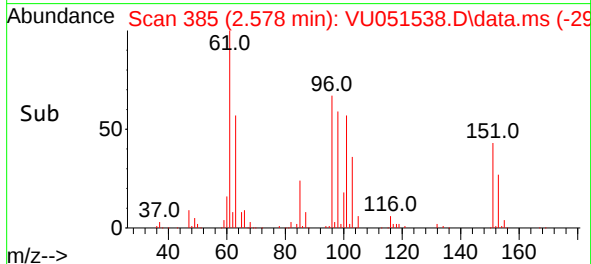
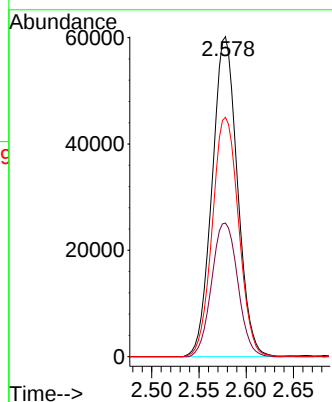
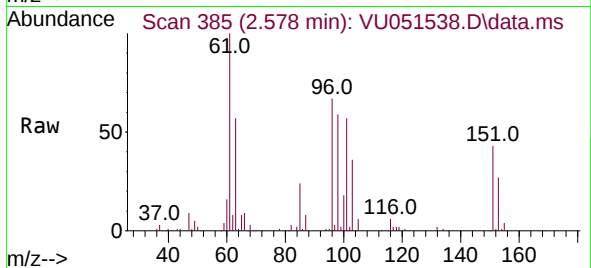




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.593 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

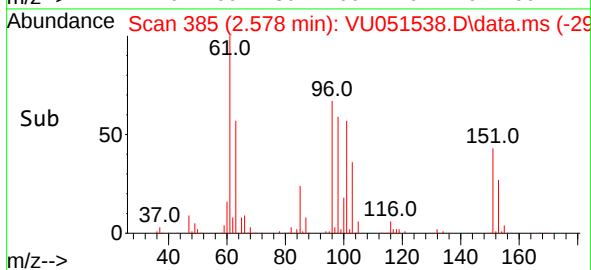
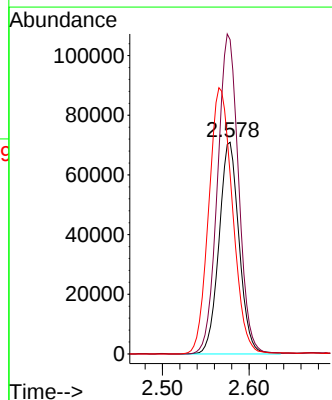
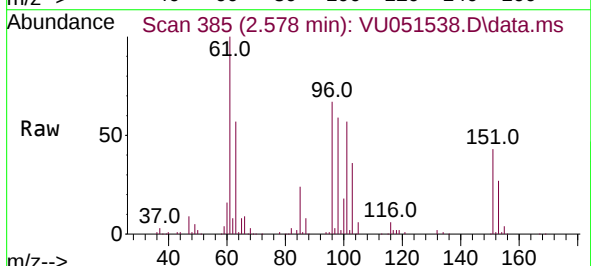
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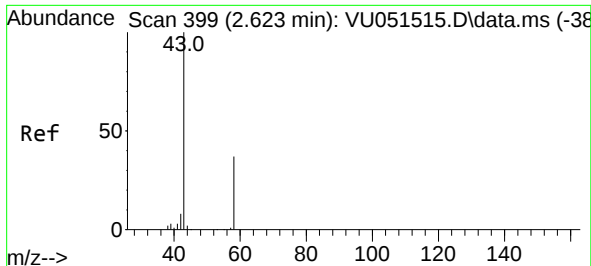
Tgt Ion:101 Resp: 112049
Ion Ratio Lower Upper
101 100
85 43.1 34.6 51.8
151 77.7 56.5 84.7



#12
1,1-Dichloroethene
Concen: 4.992 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

Tgt Ion: 96 Resp: 114260
Ion Ratio Lower Upper
96 100
61 148.4 117.6 218.4
63 84.9 85.2 158.2#





#13

Acetone

Concen: 37.789 ug/L

RT: 2.623 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU051538.D

Acq: 27 Oct 2022 14:03

Instrument :

MSVOA_U

ClientSampleId :

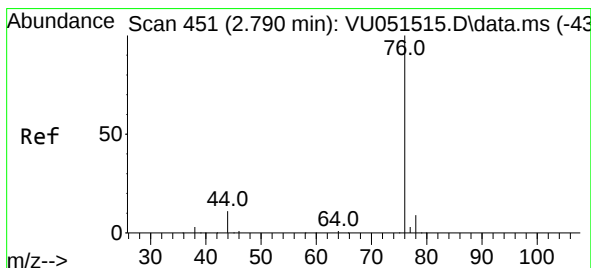
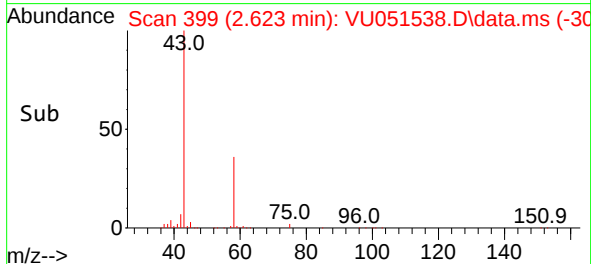
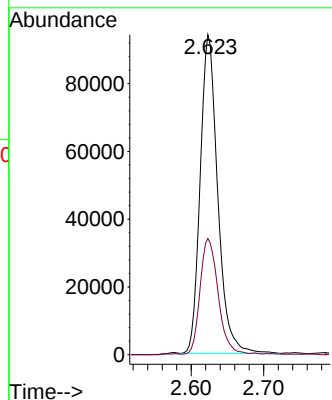
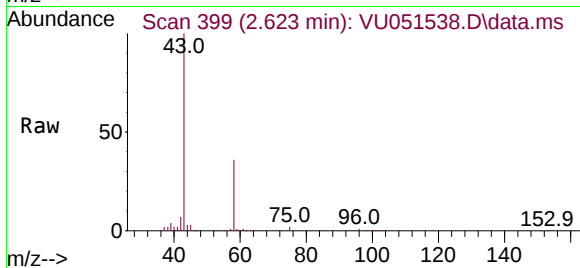
VSTD005184

Tgt Ion: 43 Resp: 157995

Ion Ratio Lower Upper

43 100

58 37.1 0.0 68.8



#14

Carbon disulfide

Concen: 5.174 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051538.D

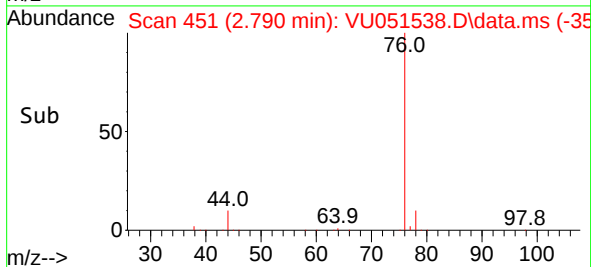
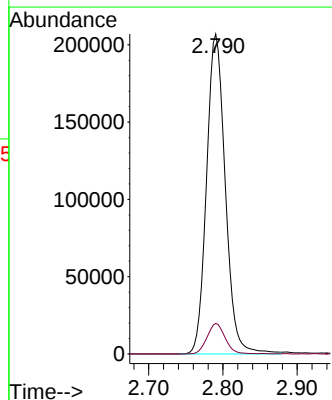
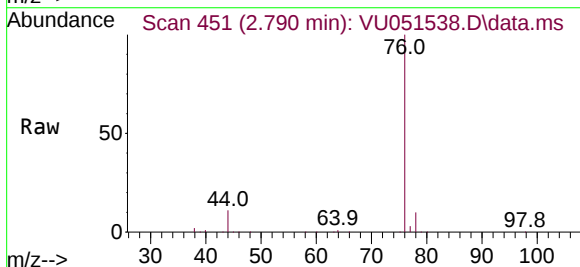
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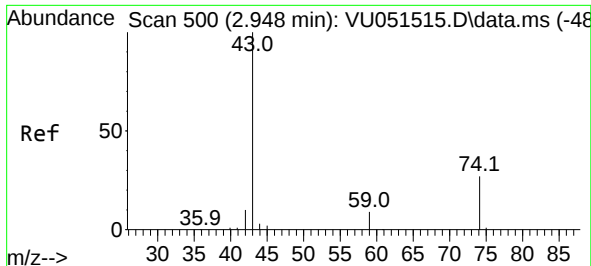
Tgt Ion: 76 Resp: 362727

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.4

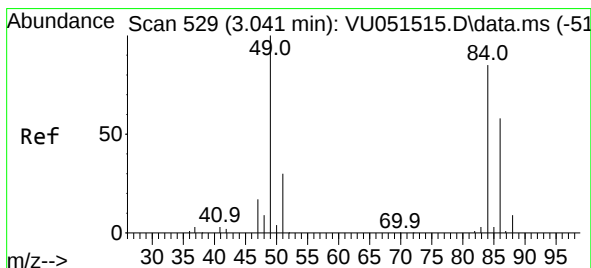
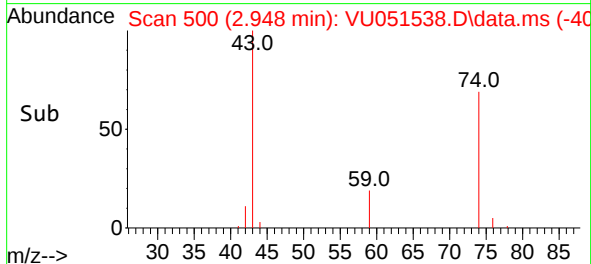
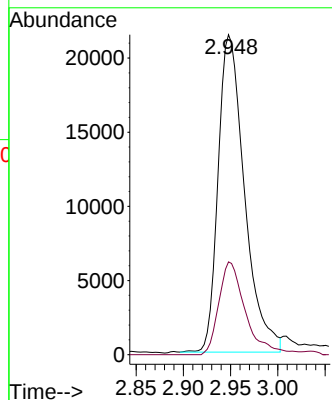
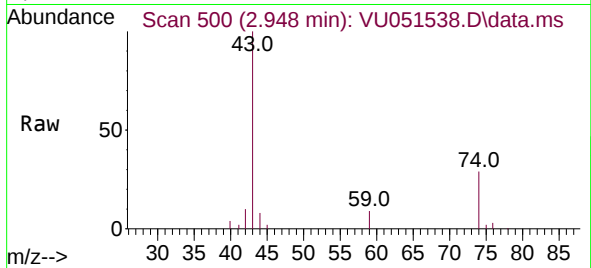




#15
Methyl Acetate
Concen: 4.091 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

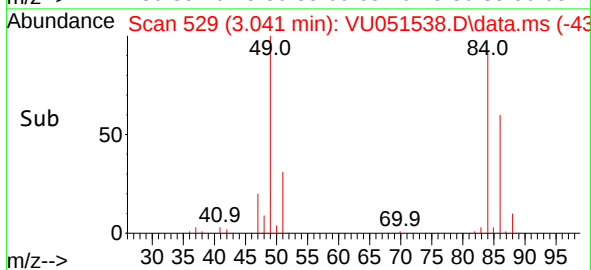
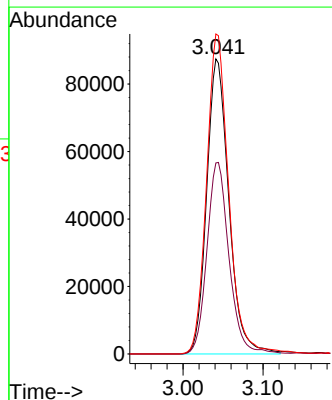
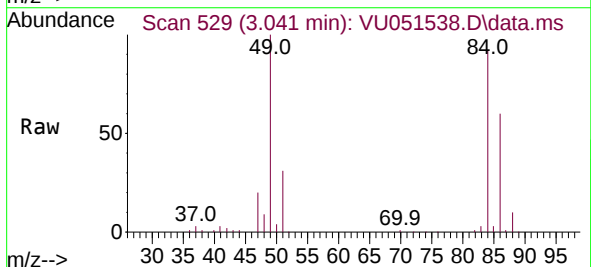
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

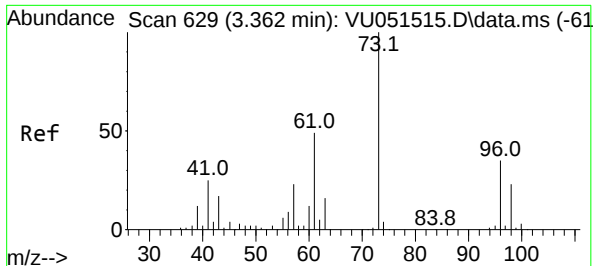
Tgt Ion: 43 Resp: 41575
Ion Ratio Lower Upper
43 100
74 29.5 20.0 30.0



#16
Methylene chloride
Concen: 4.988 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

Tgt Ion: 84 Resp: 168595
Ion Ratio Lower Upper
84 100
86 64.8 46.5 86.3
49 108.4 81.3 151.1





#17

Methyl tert-butyl Ether

Concen: 5.196 ug/L

RT: 3.363 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU051538.D

Acq: 27 Oct 2022 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD005184

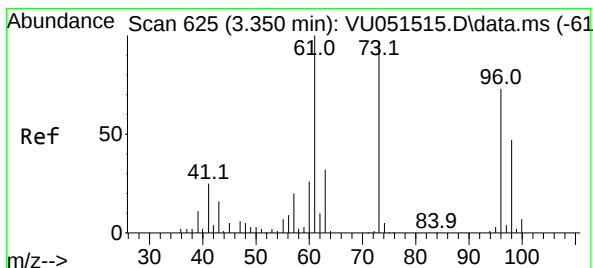
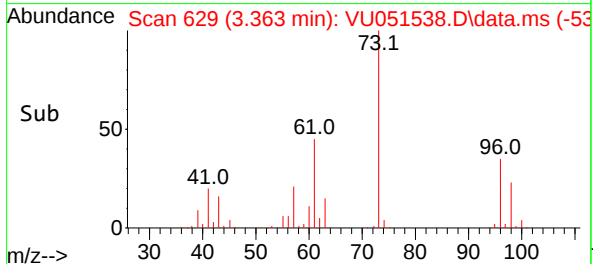
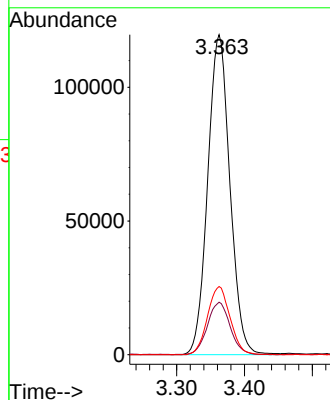
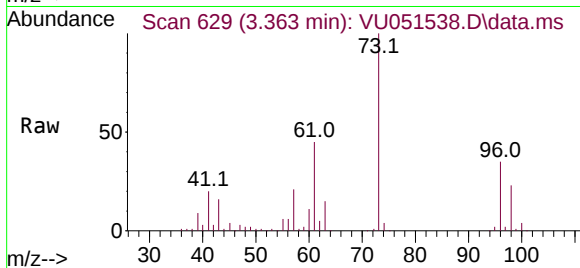
Tgt Ion: 73 Resp: 272420

Ion Ratio Lower Upper

73 100

43 16.9 15.4 23.0

57 21.6 18.9 28.3



#18

trans-1,2-Dichloroethene

Concen: 5.177 ug/L

RT: 3.350 min Scan# 625

Delta R.T. 0.000 min

Lab File: VU051538.D

Acq: 27 Oct 2022 14:03

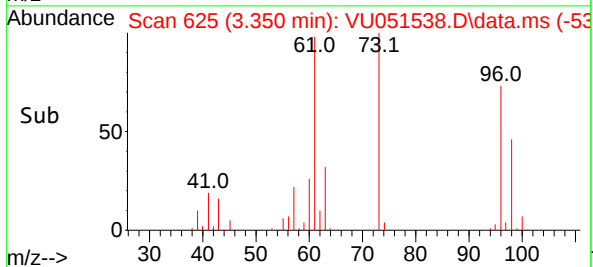
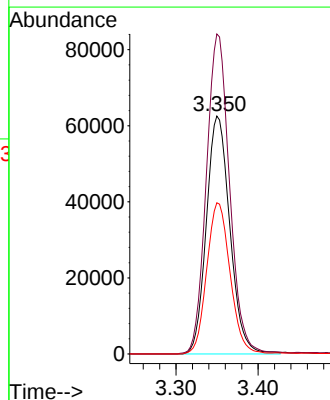
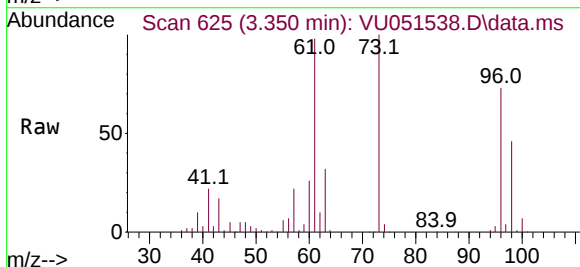
Tgt Ion: 96 Resp: 124667

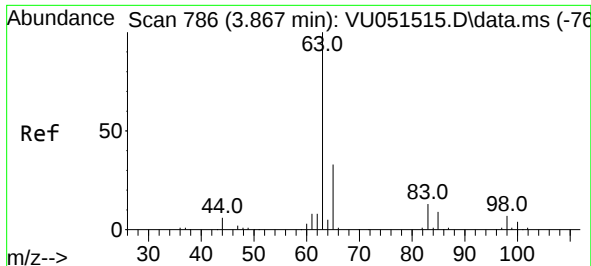
Ion Ratio Lower Upper

96 100

61 134.5 101.4 188.2

98 63.5 44.9 83.5

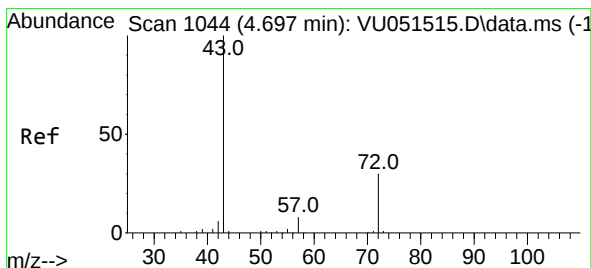
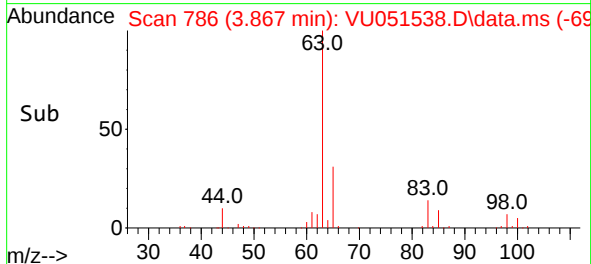
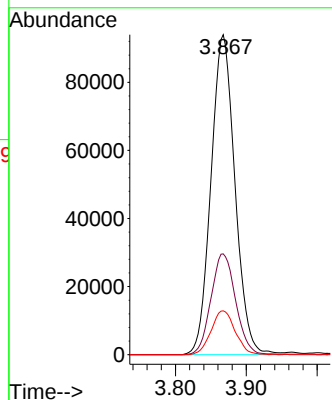
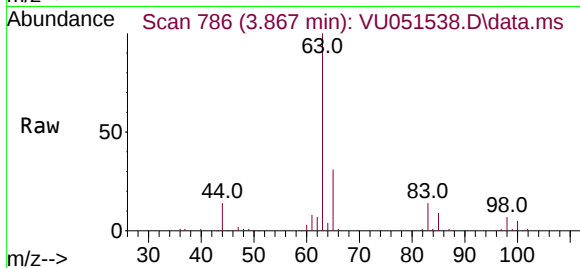




#19
1,1-Dichloroethane
Concen: 4.442 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

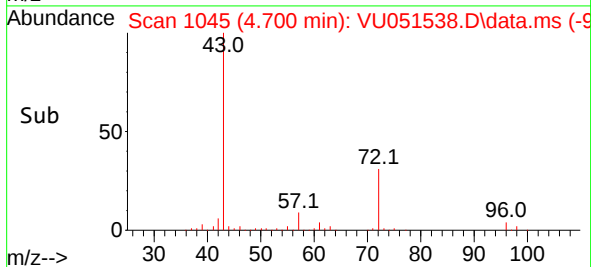
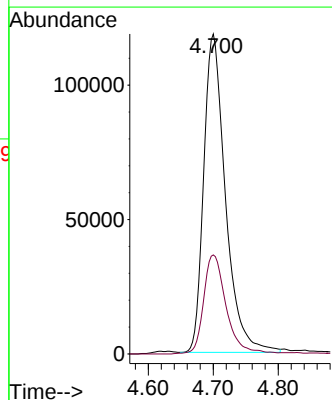
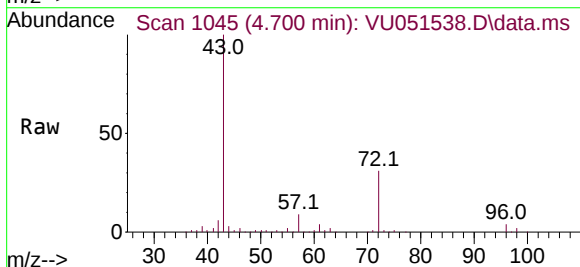
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

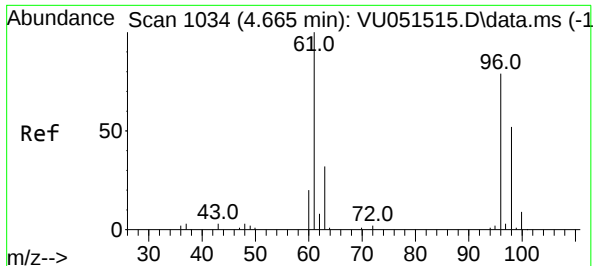
Tgt Ion: 63 Resp: 220725
Ion Ratio Lower Upper
63 100
65 31.5 22.0 41.0
83 13.7 9.0 16.6



#21
2-Butanone
Concen: 41.920 ug/L
RT: 4.700 min Scan# 1045
Delta R.T. 0.003 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

Tgt Ion: 43 Resp: 276214
Ion Ratio Lower Upper
43 100
72 32.2 13.8 41.4

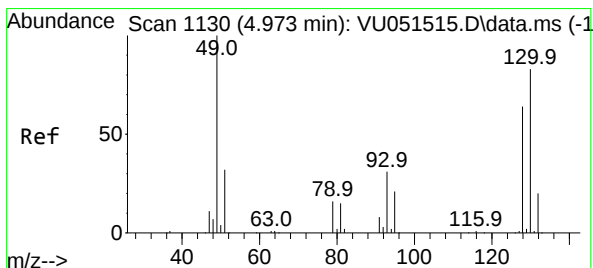
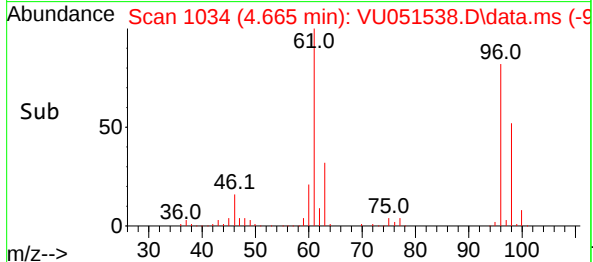
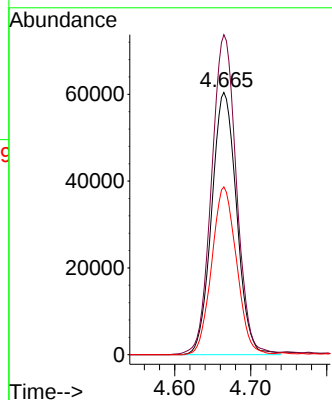
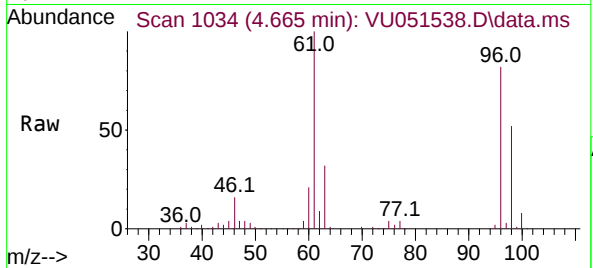




#22
 cis-1,2-Dichloroethene
 Concen: 5.172 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU051538.D
 Acq: 27 Oct 2022 14:03

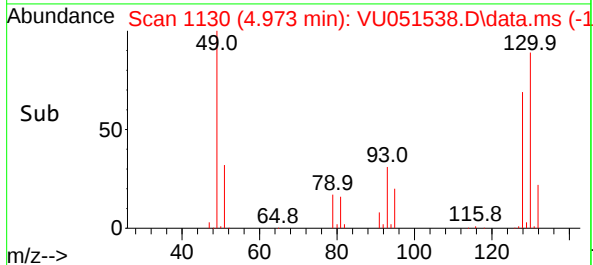
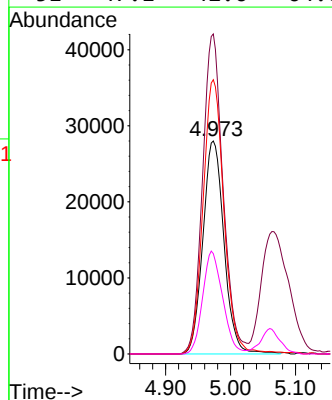
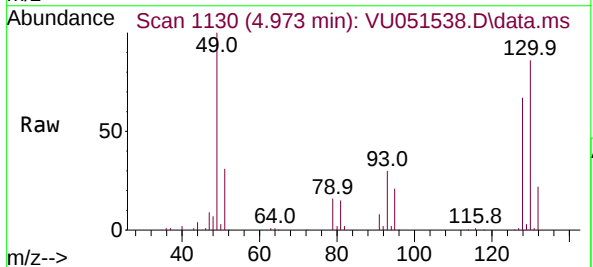
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005184

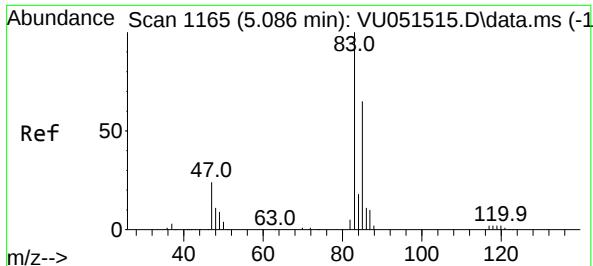
Tgt Ion: 96 Resp: 137946
 Ion Ratio Lower Upper
 96 100
 61 122.0 90.6 168.2
 98 64.0 47.5 88.3



#23
 Bromochloromethane
 Concen: 4.980 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VU051538.D
 Acq: 27 Oct 2022 14:03

Tgt Ion: 128 Resp: 63380
 Ion Ratio Lower Upper
 128 100
 49 150.2 118.0 219.2
 130 128.7 88.8 164.8
 51 47.1 42.6 64.0





#25

Chloroform

Concen: 4.377 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051538.D

Acq: 27 Oct 2022 14:03

Instrument :

MSVOA_U

ClientSampleId :

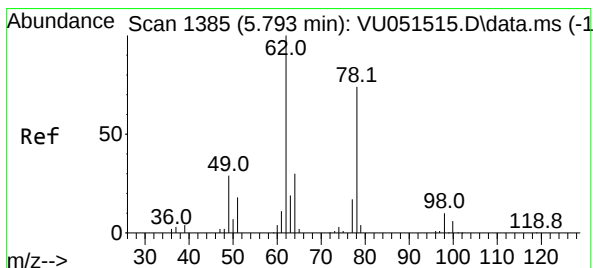
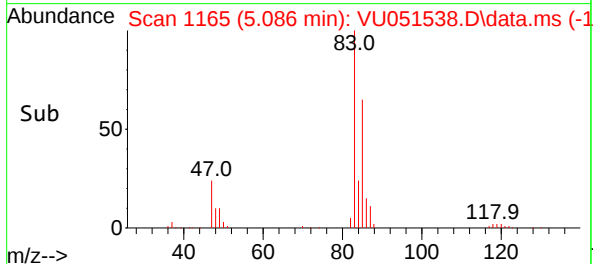
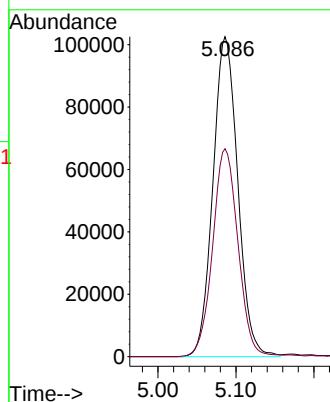
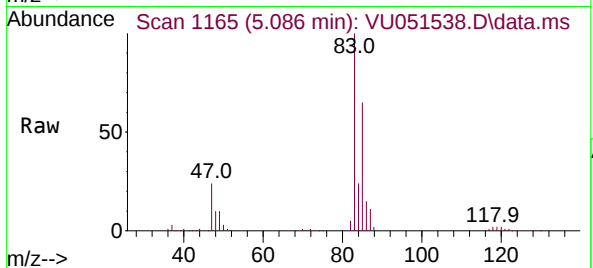
VSTD005184

Tgt Ion: 83 Resp: 227184

Ion Ratio Lower Upper

83 100

85 65.0 45.6 84.6



#27

1,2-Dichloroethane

Concen: 4.378 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU051538.D

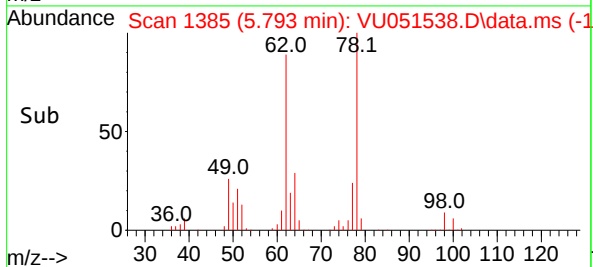
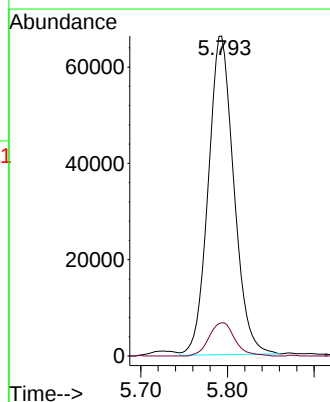
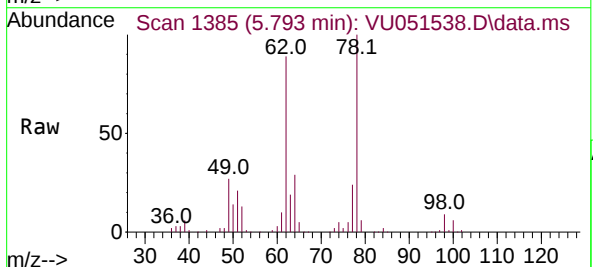
Acq: 27 Oct 2022 14:03

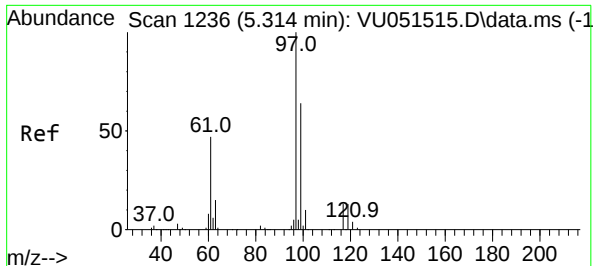
Tgt Ion: 62 Resp: 136123

Ion Ratio Lower Upper

62 100

98 10.3 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 4.927 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU051538.D

Acq: 27 Oct 2022 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD005184

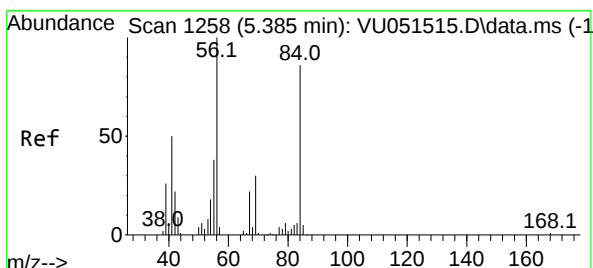
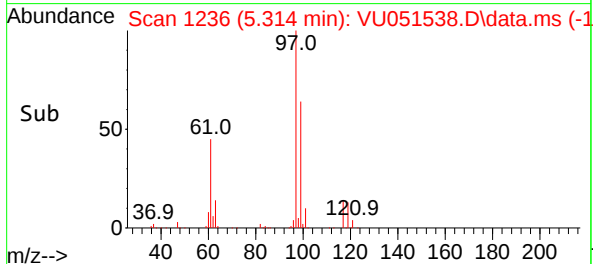
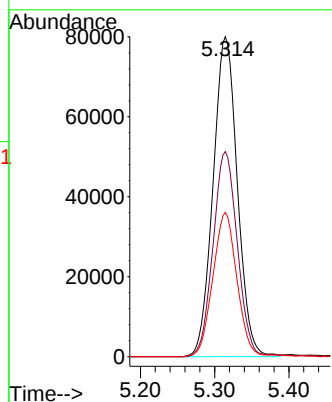
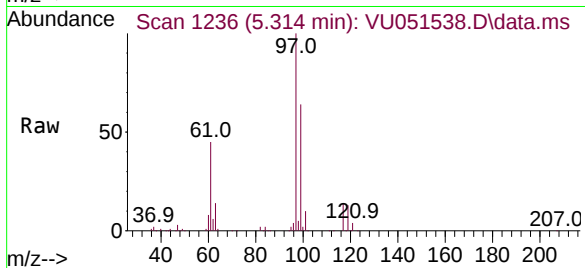
Tgt Ion: 97 Resp: 181762

Ion Ratio Lower Upper

97 100

99 63.9 50.2 75.4

61 44.6 38.7 58.1



#30

Cyclohexane

Concen: 5.708 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU051538.D

Acq: 27 Oct 2022 14:03

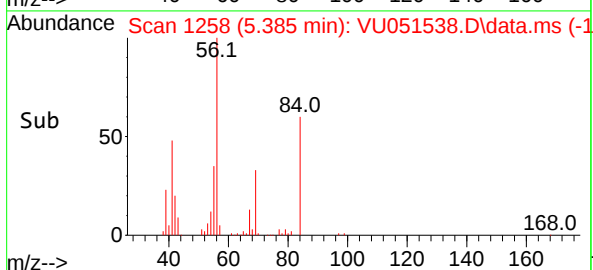
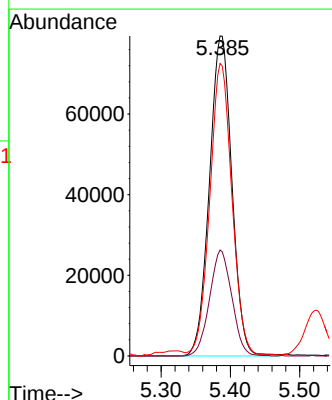
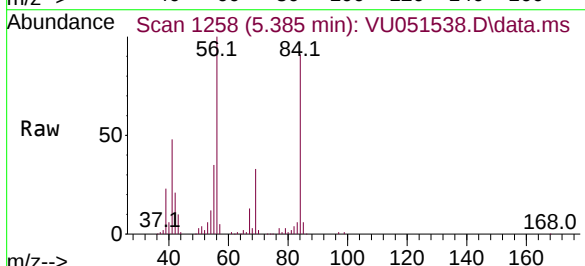
Tgt Ion: 56 Resp: 178601

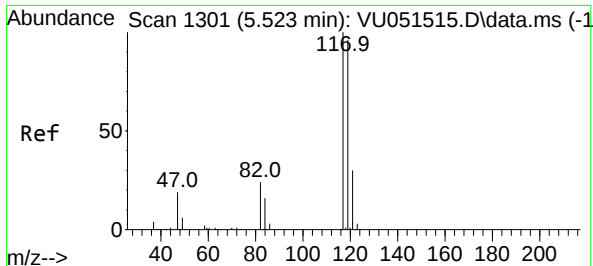
Ion Ratio Lower Upper

56 100

69 32.8 25.1 37.7

84 89.6 70.9 106.3

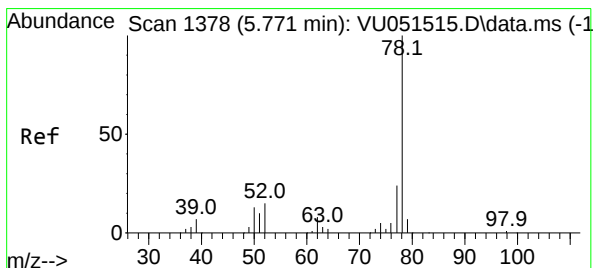
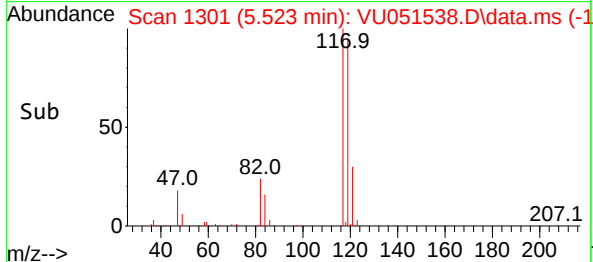
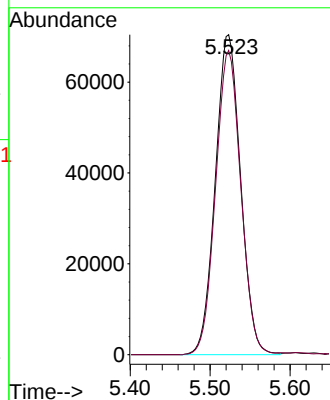
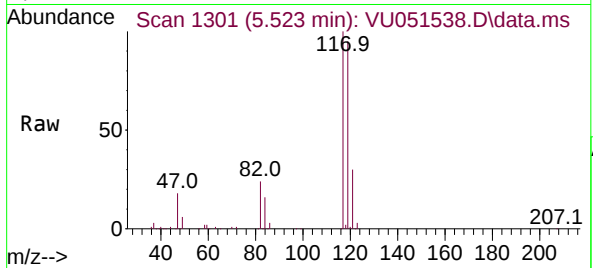




#31
Carbon tetrachloride
Concen: 4.956 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

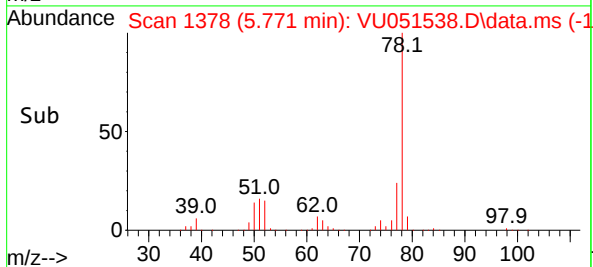
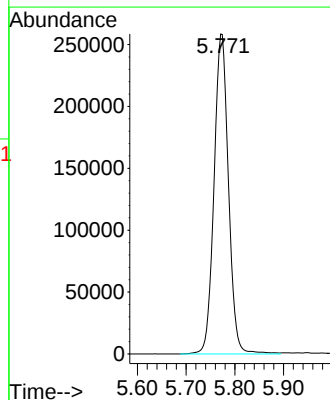
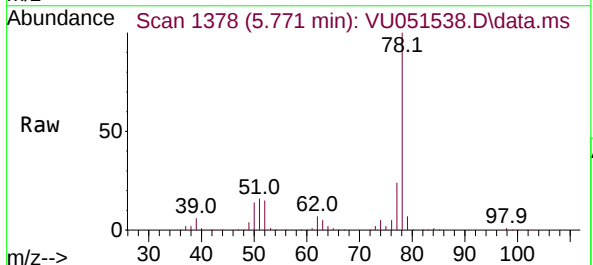
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

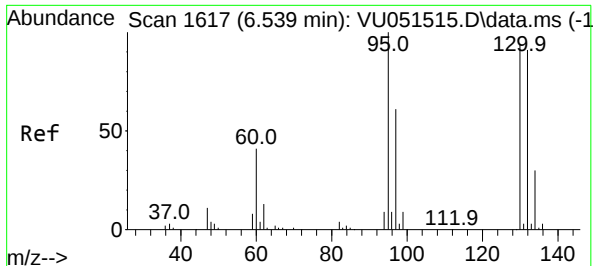
Tgt Ion:117 Resp: 154713
Ion Ratio Lower Upper
117 100
119 94.7 78.4 117.6



#33
Benzene
Concen: 5.175 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

Tgt Ion: 78 Resp: 532004

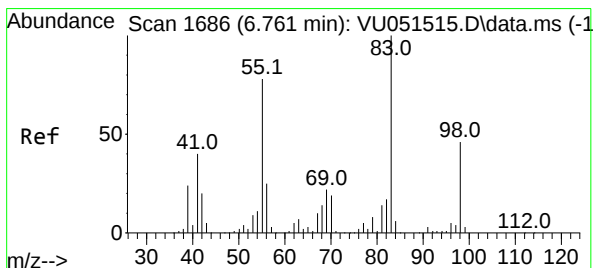
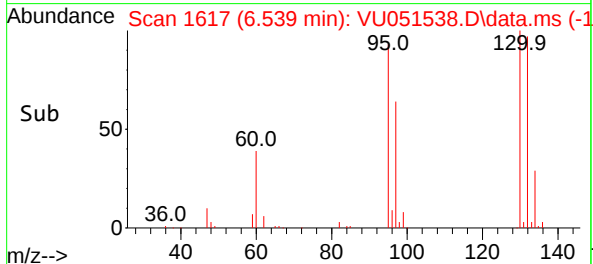
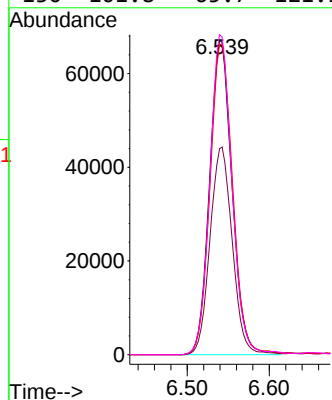
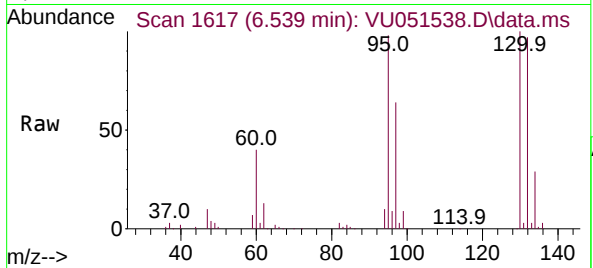




#34
Trichloroethene
Concen: 4.972 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

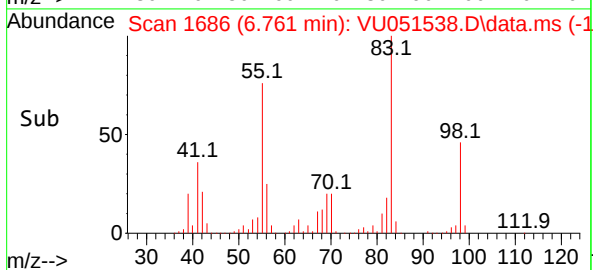
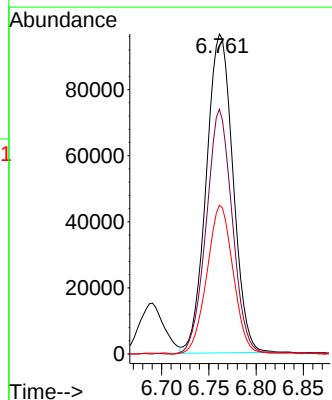
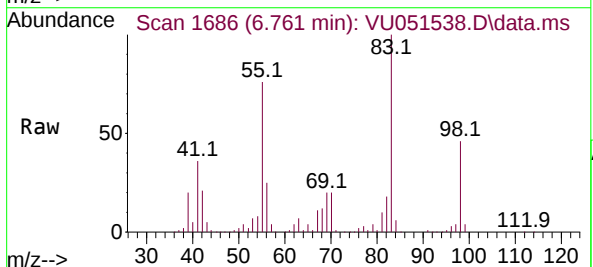
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

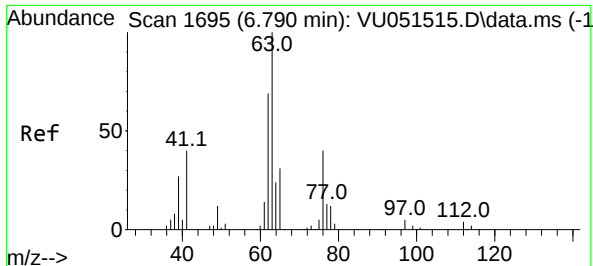
Tgt Ion: 95 Resp: 127493
Ion Ratio Lower Upper
95 100
97 65.5 45.4 84.2
132 98.7 63.1 117.3
130 101.8 65.7 121.9



#35
Methylcyclohexane
Concen: 5.878 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

Tgt Ion: 83 Resp: 190169
Ion Ratio Lower Upper
83 100
55 75.2 65.8 98.6
98 45.9 35.9 53.9





#37

1,2-Dichloropropane

Concen: 4.763 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051538.D

Acq: 27 Oct 2022 14:03

Instrument :

MSVOA_U

ClientSampleId :

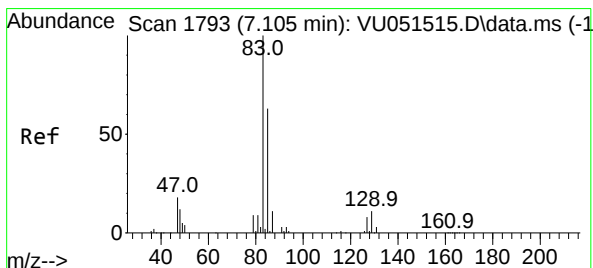
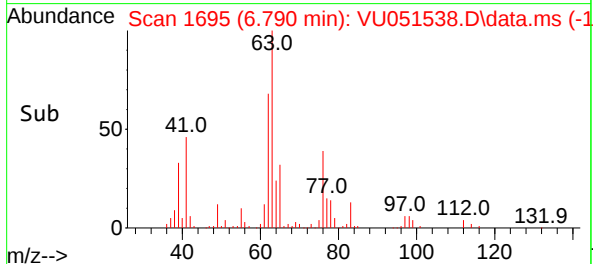
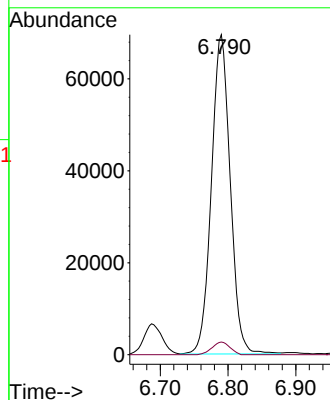
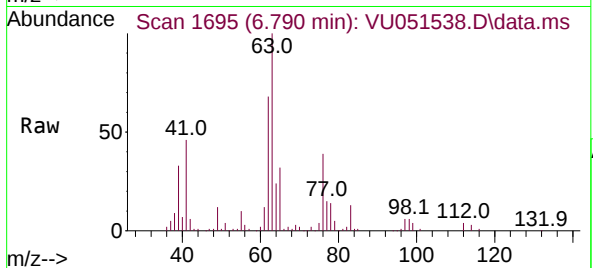
VSTD005184

Tgt Ion: 63 Resp: 134207

Ion Ratio Lower Upper

63 100

112 3.8 3.2 4.8



#38

Bromodichloromethane

Concen: 4.811 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU051538.D

Acq: 27 Oct 2022 14:03

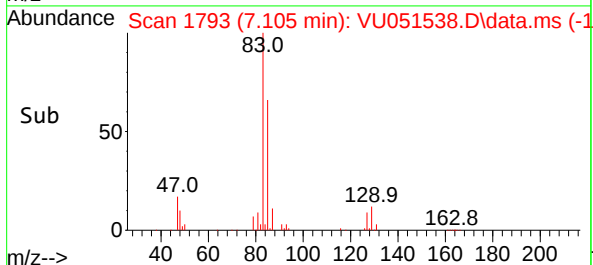
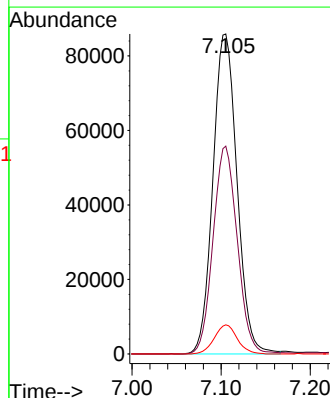
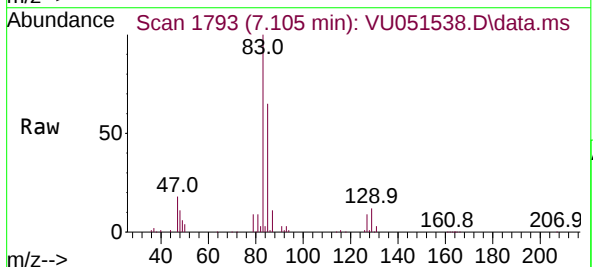
Tgt Ion: 83 Resp: 161687

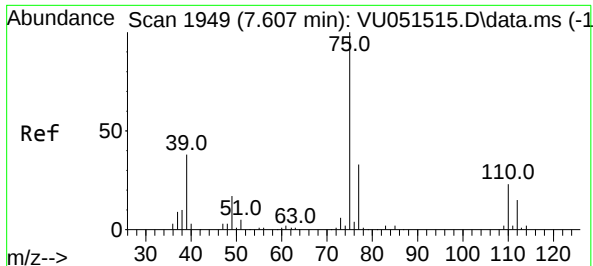
Ion Ratio Lower Upper

83 100

85 65.0 44.8 83.2

127 9.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.214 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051538.D

Acq: 27 Oct 2022 14:03

Instrument :

MSVOA_U

ClientSampleId :

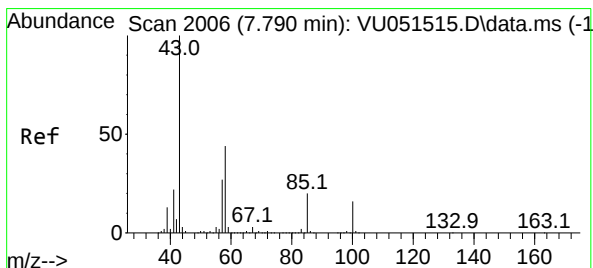
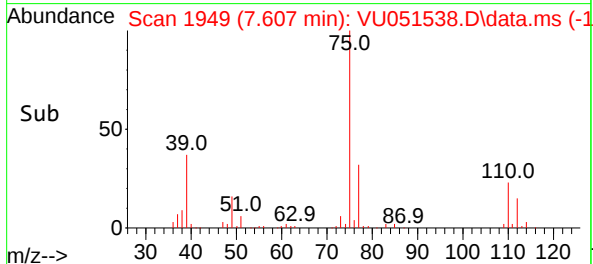
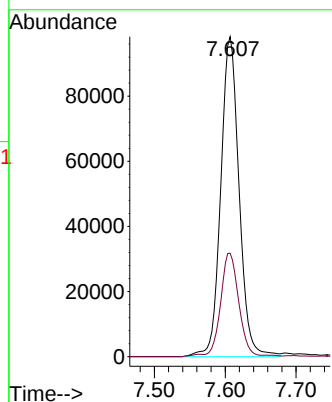
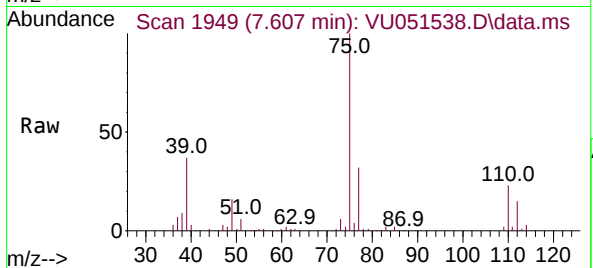
VSTD005184

Tgt Ion: 75 Resp: 176573

Ion Ratio Lower Upper

75 100

77 32.4 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 46.554 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051538.D

Acq: 27 Oct 2022 14:03

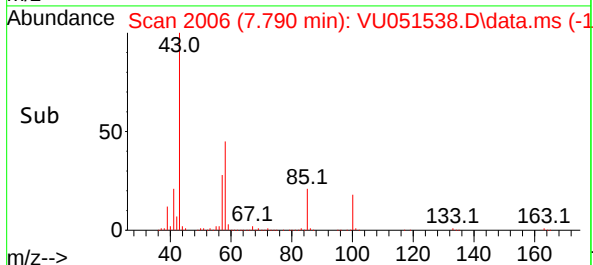
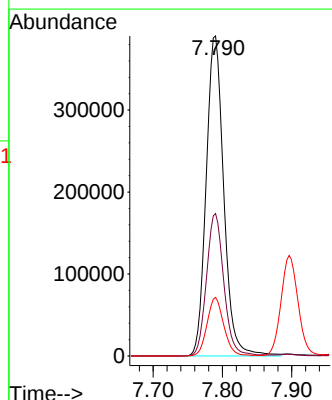
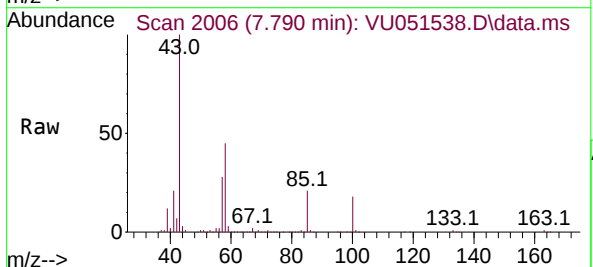
Tgt Ion: 43 Resp: 688140

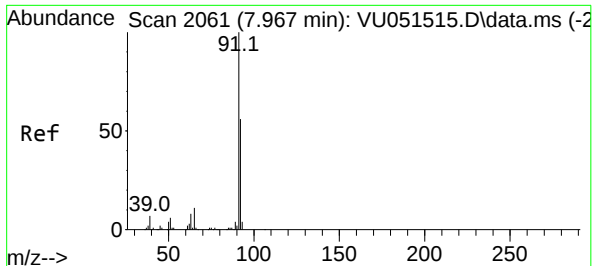
Ion Ratio Lower Upper

43 100

58 43.9 33.0 49.6

100 17.4 11.8 17.6

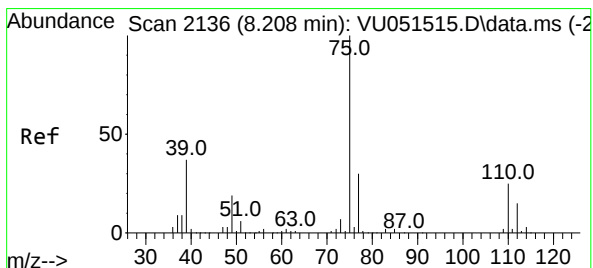
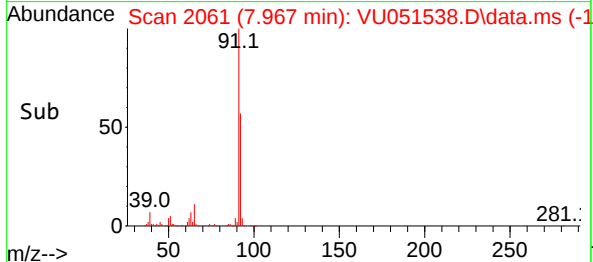
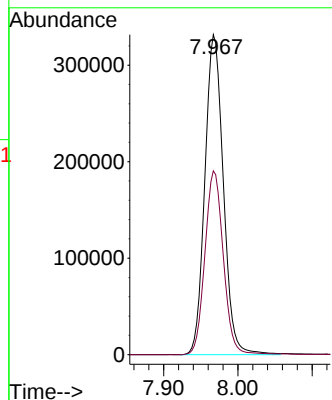
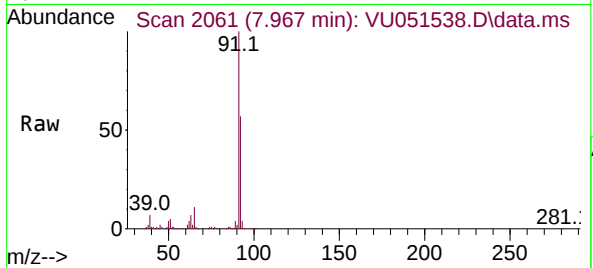




#42
Toluene
Concen: 5.253 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

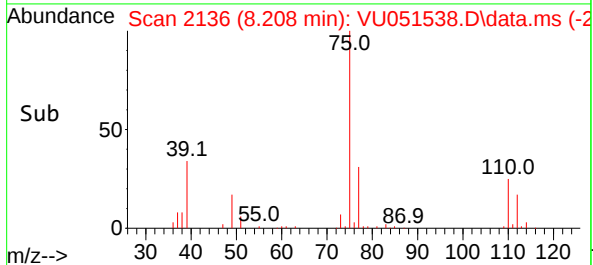
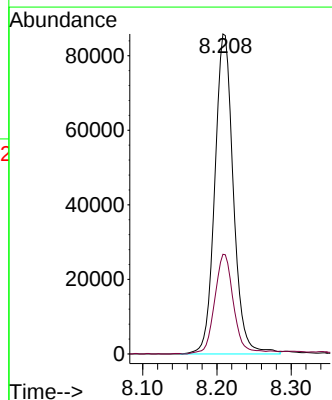
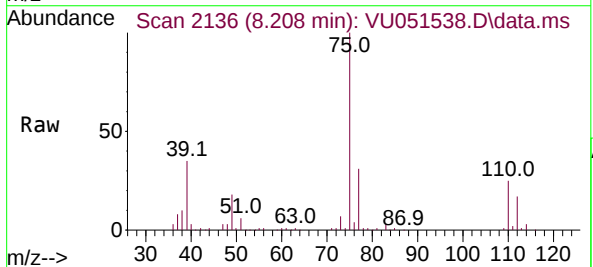
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

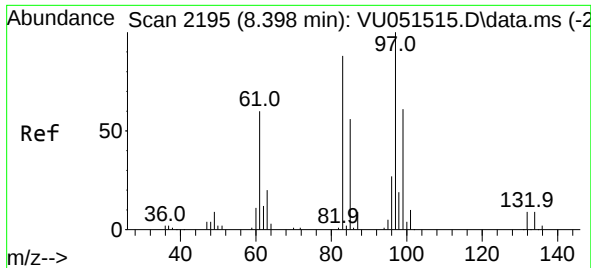
Tgt Ion: 91 Resp: 573189
Ion Ratio Lower Upper
91 100
92 57.5 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 5.091 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

Tgt Ion: 75 Resp: 149101
Ion Ratio Lower Upper
75 100
77 31.2 21.8 40.6



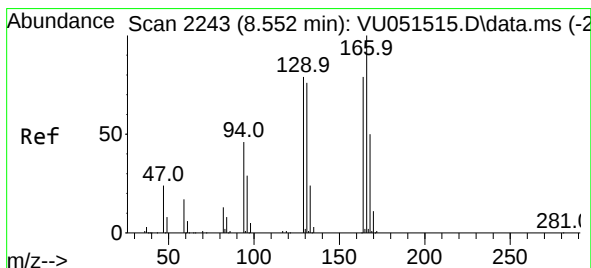
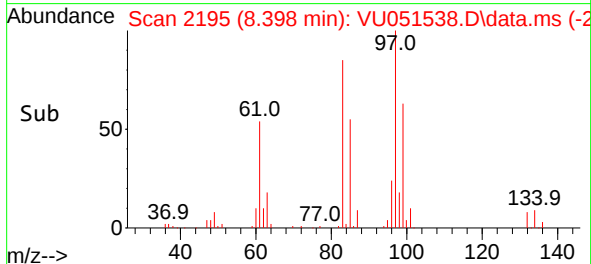
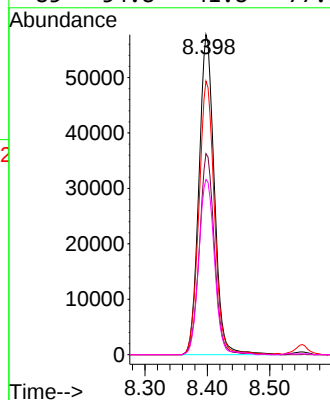
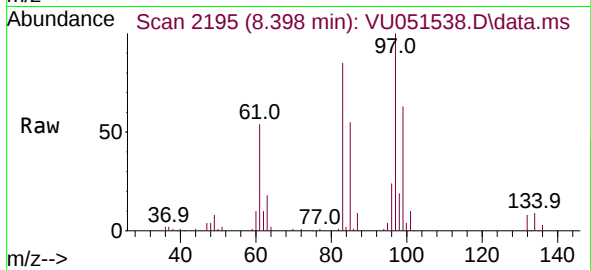


#45
1,1,2-Trichloroethane
Concen: 5.002 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

Tgt Ion: 97 Resp: 98956

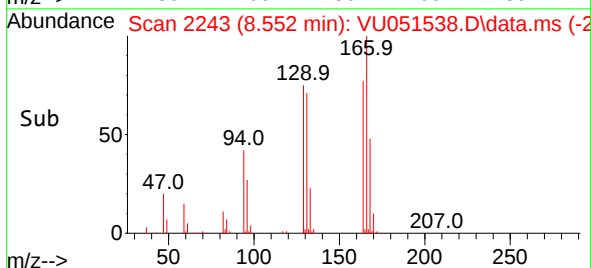
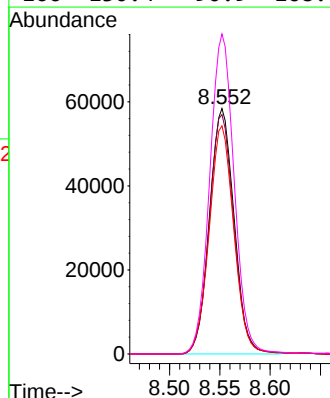
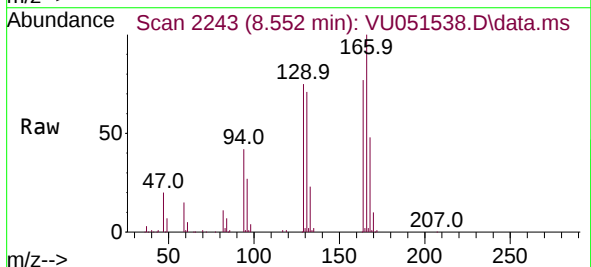
Ion	Ratio	Lower	Upper
97	100		
99	62.8	45.3	84.1
83	85.5	63.1	117.1
85	54.8	41.8	77.6

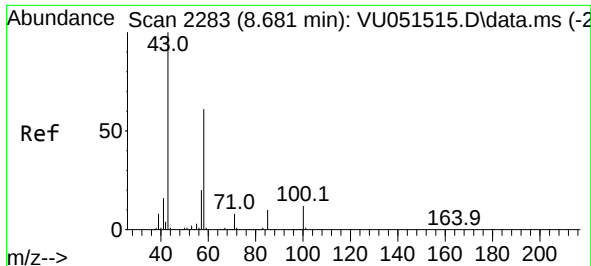


#47
Tetrachloroethene
Concen: 5.288 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

Tgt Ion: 164 Resp: 99702

Ion	Ratio	Lower	Upper
164	100		
129	97.5	71.3	132.3
131	93.0	66.9	124.3
166	130.4	90.9	168.7

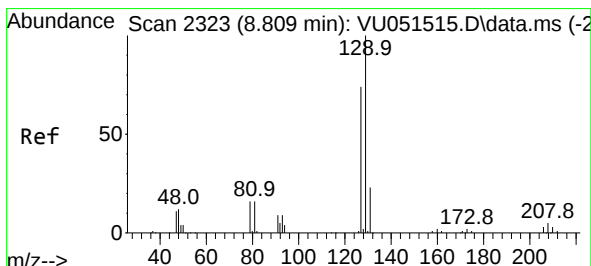
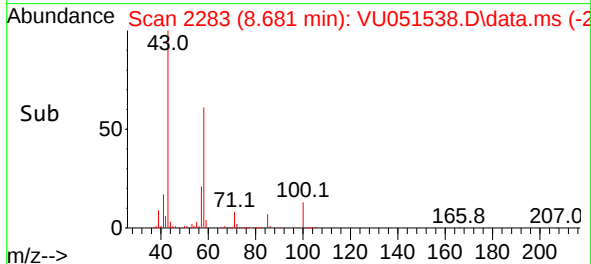
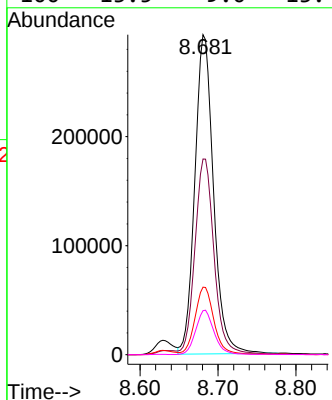
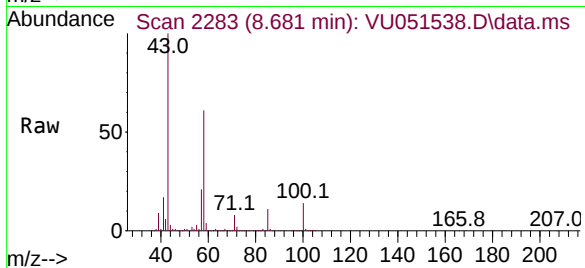




#48
2-Hexanone
Concen: 44.345 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

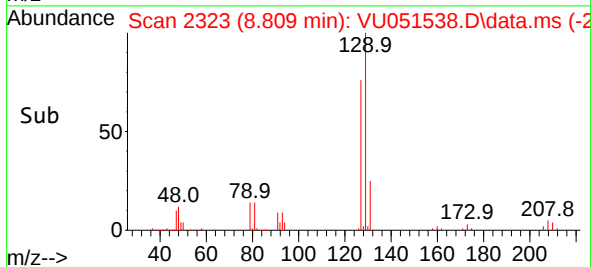
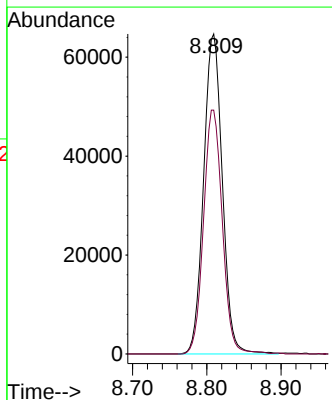
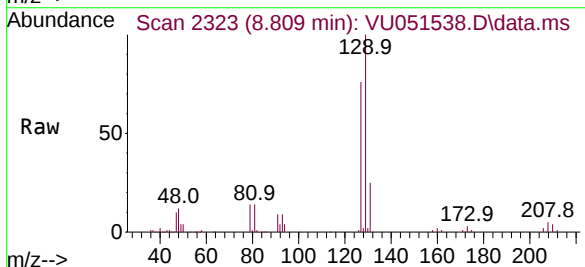
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

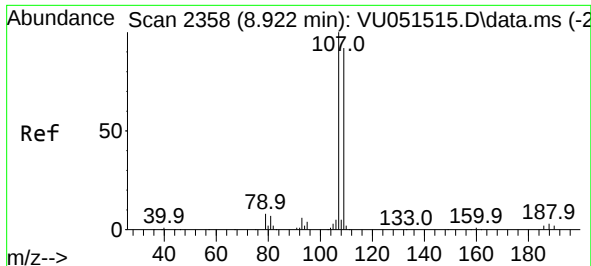
Tgt Ion: 43 Resp: 488070
Ion Ratio Lower Upper
43 100
58 62.2 48.2 72.2
57 21.3 15.5 23.3
100 13.5 9.0 13.4#



#49
Dibromochloromethane
Concen: 5.093 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

Tgt Ion: 129 Resp: 113119
Ion Ratio Lower Upper
129 100
127 76.2 53.5 99.3





#50

1,2-Dibromoethane

Concen: 5.198 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051538.D

Acq: 27 Oct 2022 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD005184

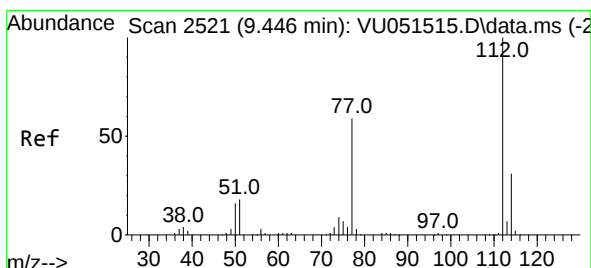
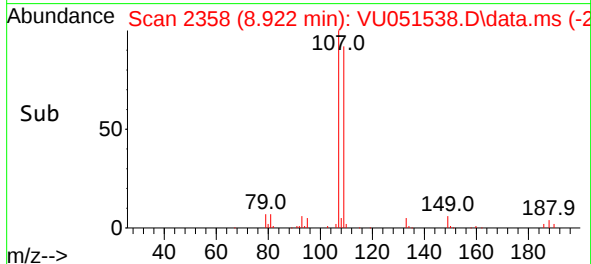
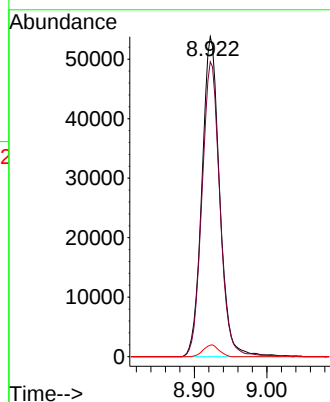
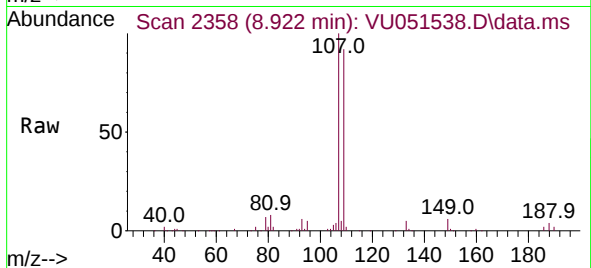
Tgt Ion:107 Resp: 91525

Ion Ratio Lower Upper

107 100

109 92.2 67.1 124.7

188 3.6 2.5 3.7



#51

Chlorobenzene

Concen: 5.368 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051538.D

Acq: 27 Oct 2022 14:03

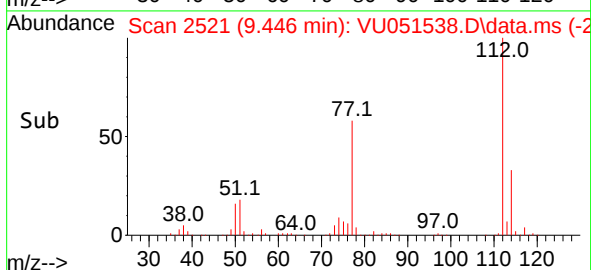
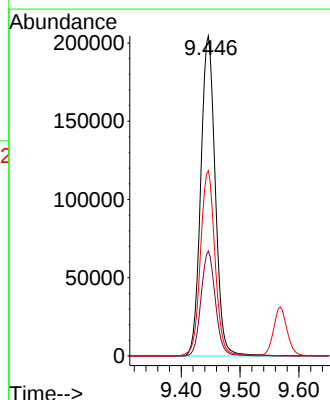
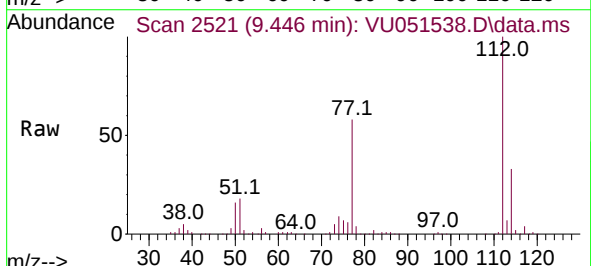
Tgt Ion:112 Resp: 349942

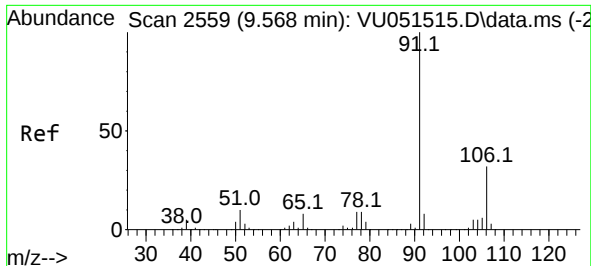
Ion Ratio Lower Upper

112 100

114 32.8 22.3 41.5

77 57.9 48.1 72.1

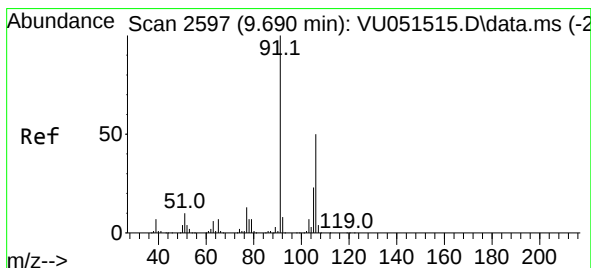
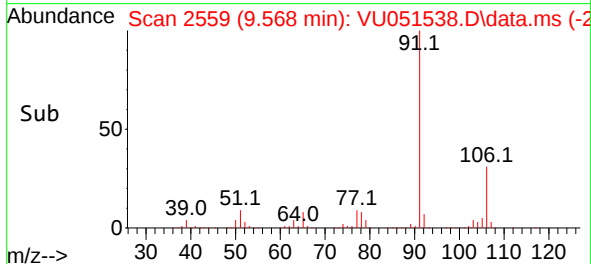
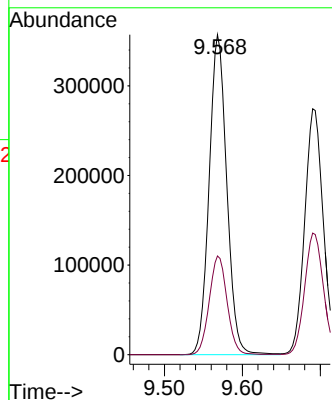
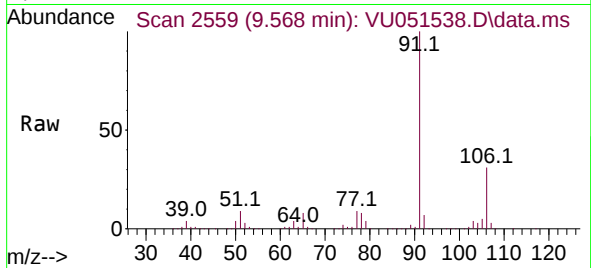




#52
Ethylbenzene
Concen: 5.719 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

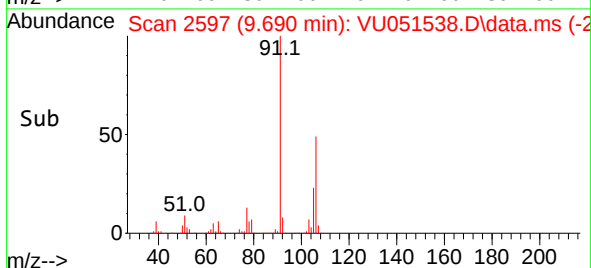
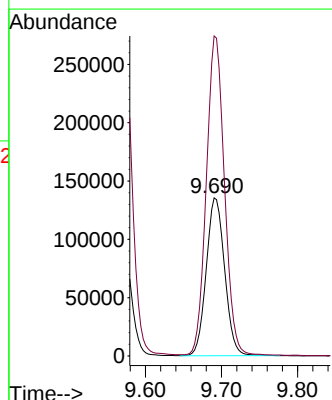
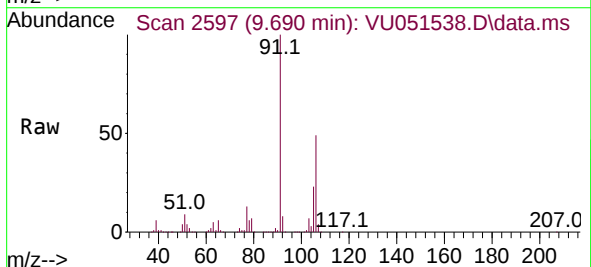
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

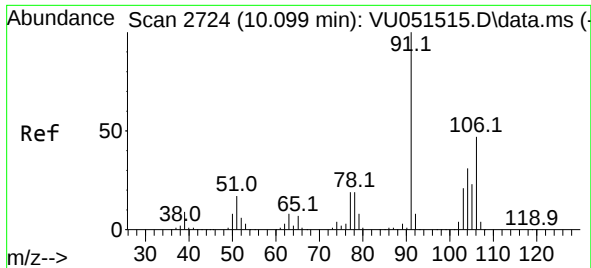
Tgt Ion: 91 Resp: 560793
Ion Ratio Lower Upper
91 100
106 30.8 20.9 38.7



#53
m,p-Xylene
Concen: 5.997 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

Tgt Ion: 106 Resp: 228054
Ion Ratio Lower Upper
106 100
91 202.4 143.9 267.3

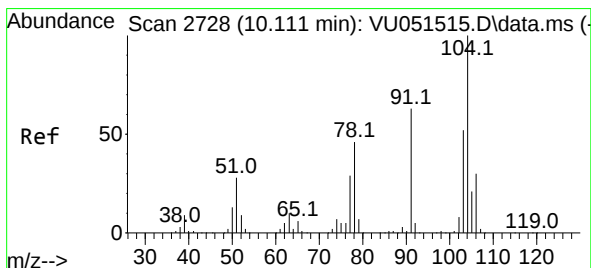
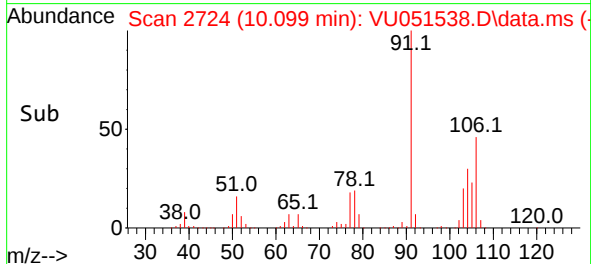
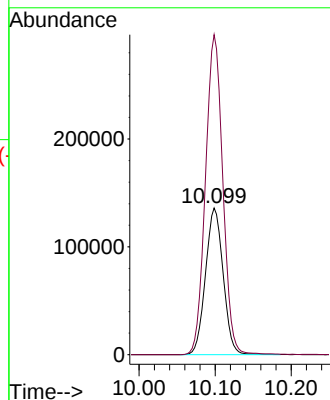
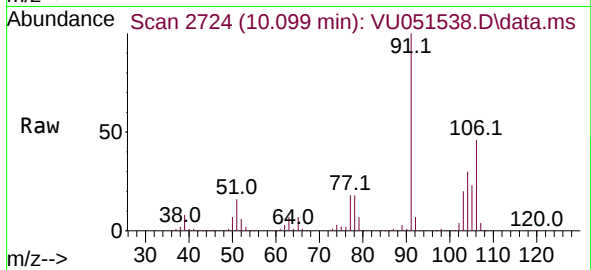




#54
o-Xylene
Concen: 6.099 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

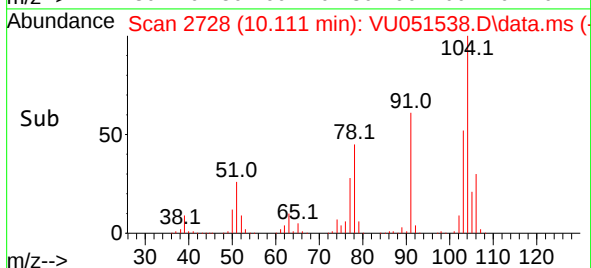
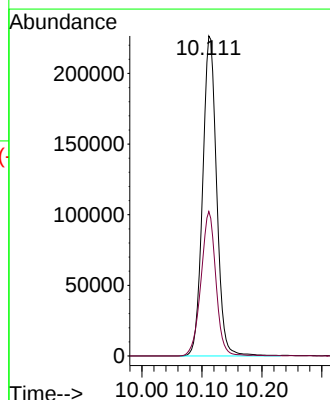
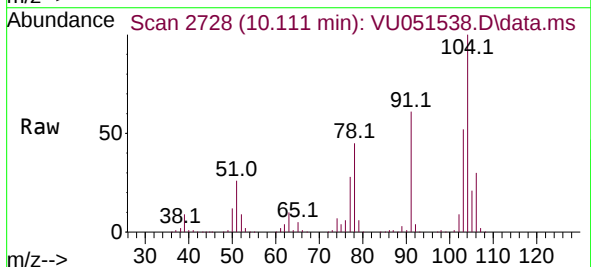
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

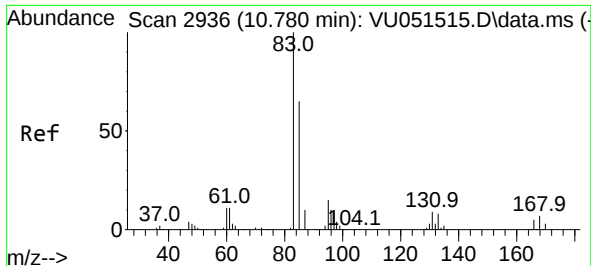
Tgt Ion:106 Resp: 219470
Ion Ratio Lower Upper
106 100
91 218.1 154.4 286.8



#55
Styrene
Concen: 5.958 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

Tgt Ion:104 Resp: 369033
Ion Ratio Lower Upper
104 100
78 45.1 32.1 59.7

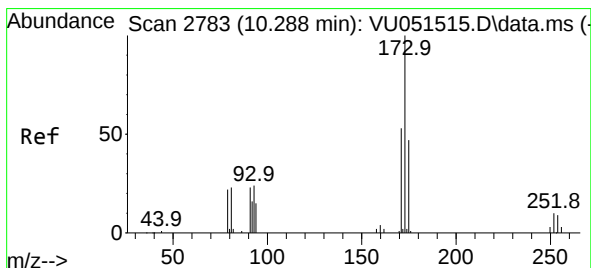
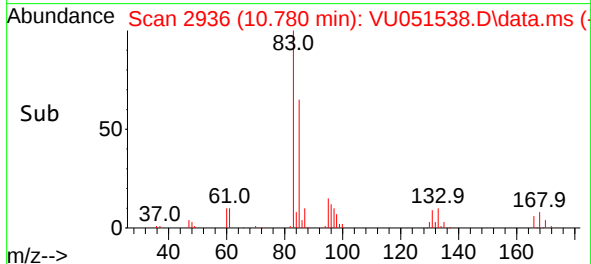
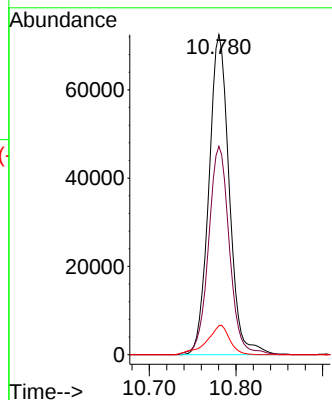
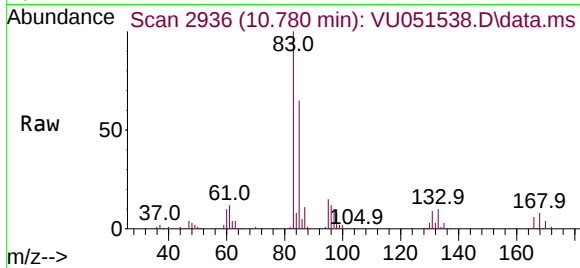




#57
1,1,2,2-Tetrachloroethane
Concen: 4.839 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

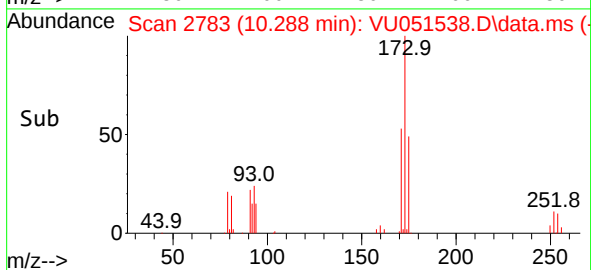
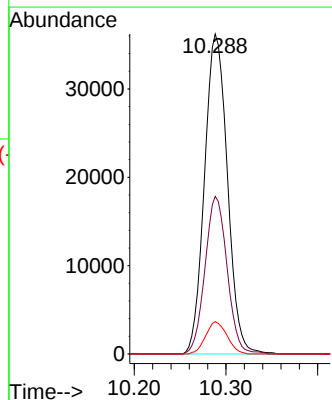
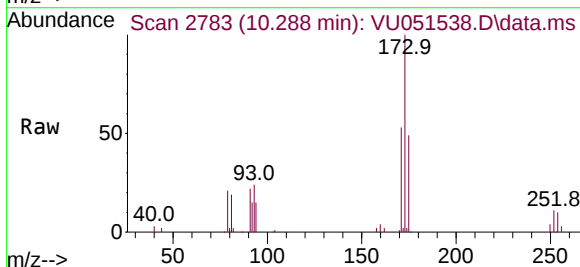
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

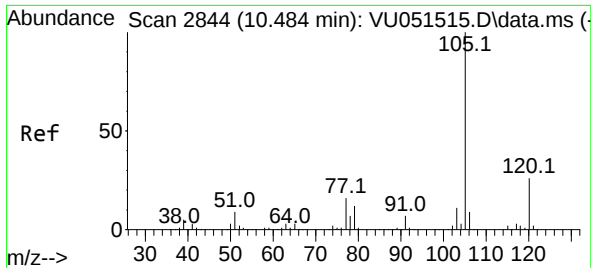
Tgt Ion: 83 Resp: 118494
Ion Ratio Lower Upper
83 100
85 65.1 45.9 85.3
131 9.1 7.4 11.2



#59
Bromoform
Concen: 4.870 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

Tgt Ion: 173 Resp: 62845
Ion Ratio Lower Upper
173 100
175 47.6 39.0 58.4
254 9.4 7.5 11.3

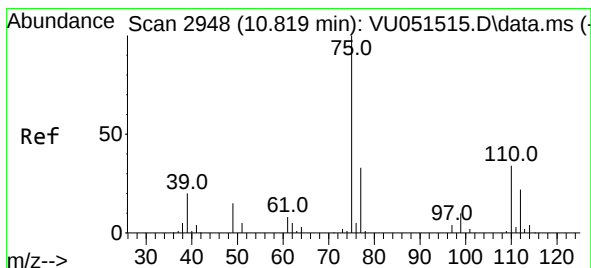
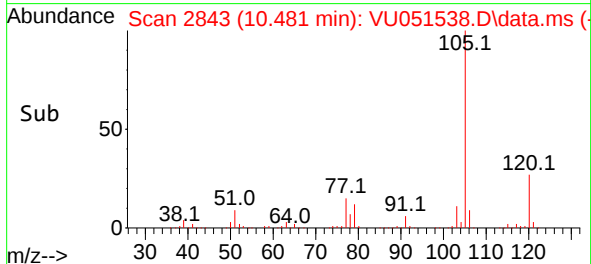
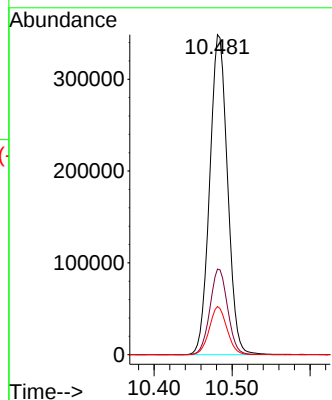
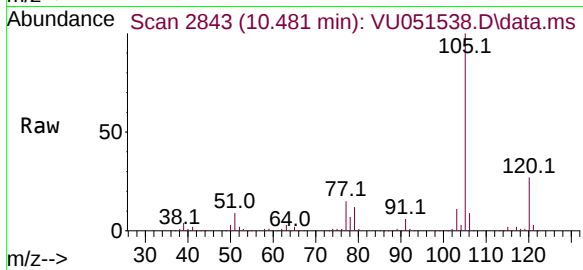




#60
Isopropylbenzene
Concen: 5.634 ug/L
RT: 10.481 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

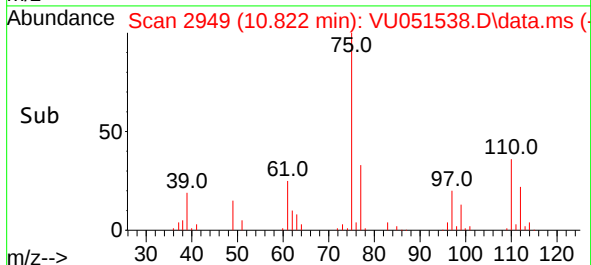
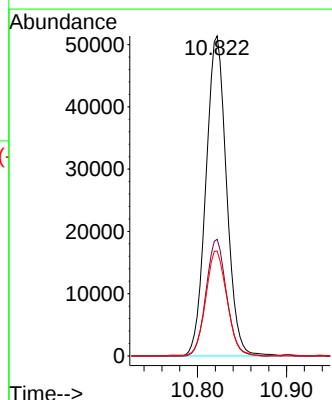
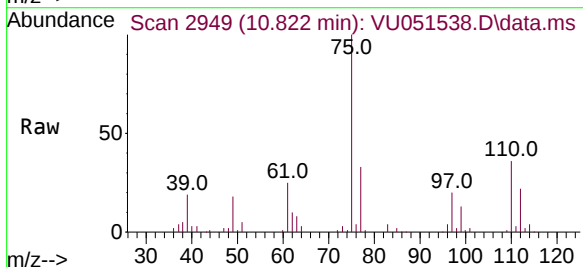
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

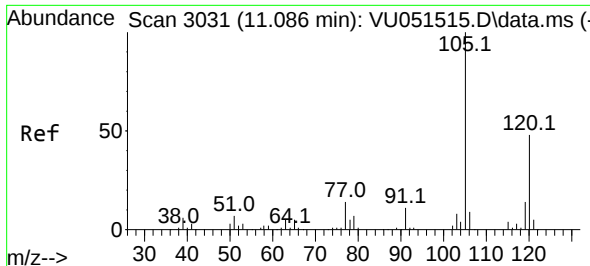
Tgt Ion:105 Resp: 553472
Ion Ratio Lower Upper
105 100
120 26.6 20.6 30.8
77 14.8 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 4.216 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

Tgt Ion: 75 Resp: 82574
Ion Ratio Lower Upper
75 100
110 36.1 27.0 40.6
77 33.8 26.4 39.6





#62

1,3,5-Trimethylbenzene

Concen: 5.721 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU051538.D

Acq: 27 Oct 2022 14:03

Instrument :

MSVOA_U

ClientSampleId :

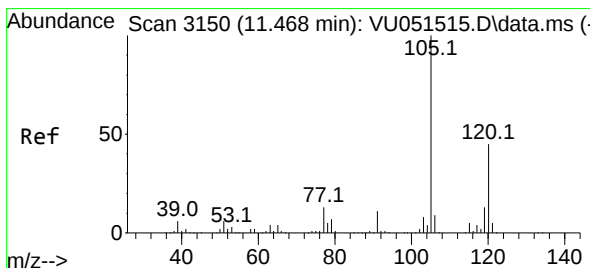
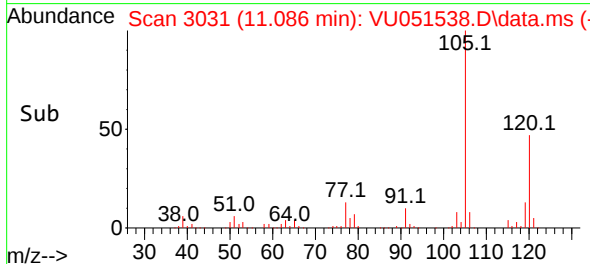
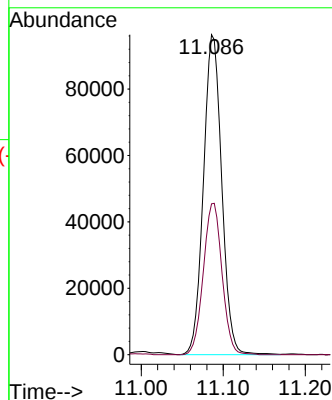
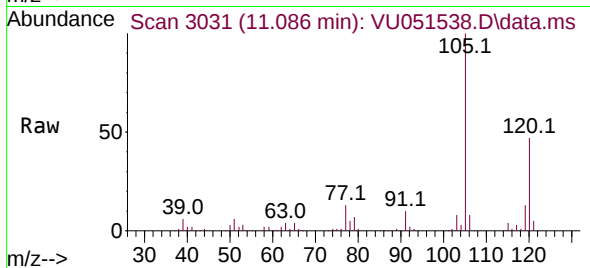
VSTD005184

Tgt Ion:105 Resp: 149094

Ion Ratio Lower Upper

105 100

120 48.3 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 5.979 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.003 min

Lab File: VU051538.D

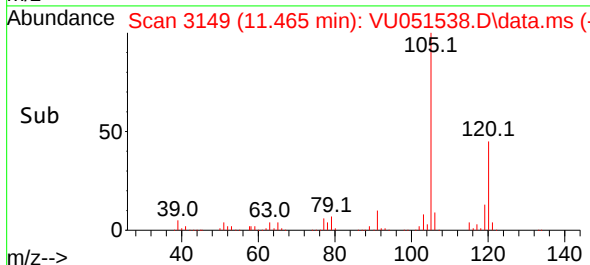
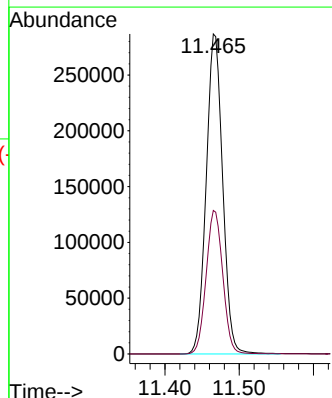
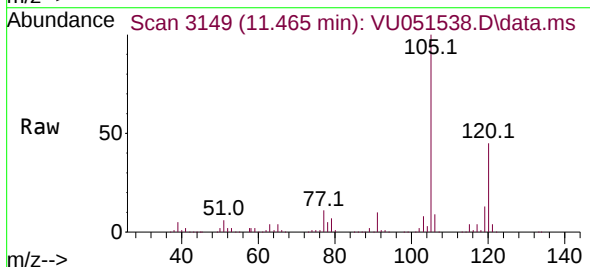
Acq: 27 Oct 2022 14:03

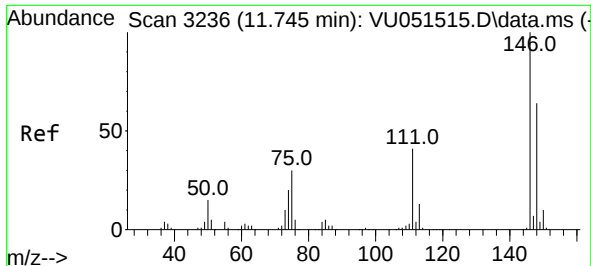
Tgt Ion:105 Resp: 440644

Ion Ratio Lower Upper

105 100

120 45.3 35.6 53.4

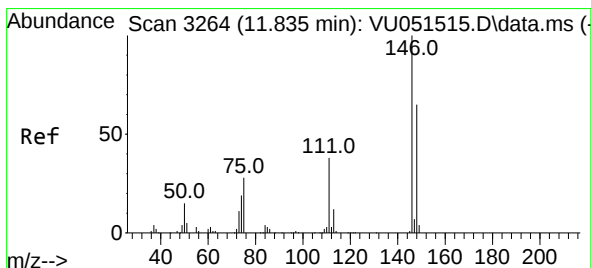
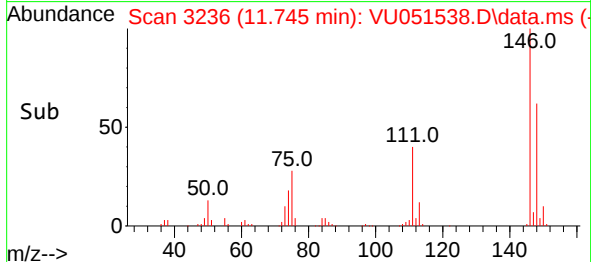
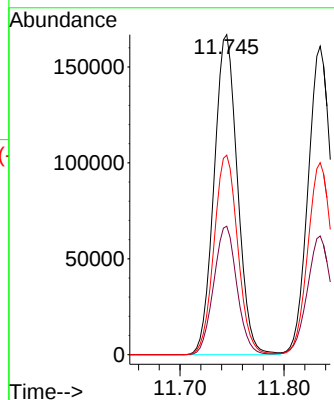
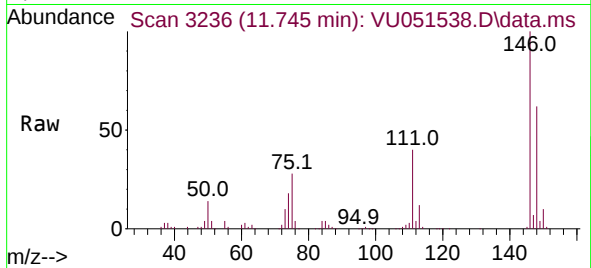




#64
1,3-Dichlorobenzene
Concen: 5.383 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

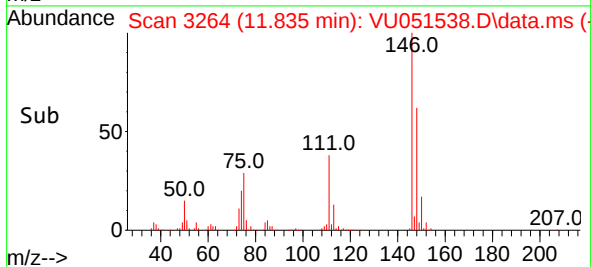
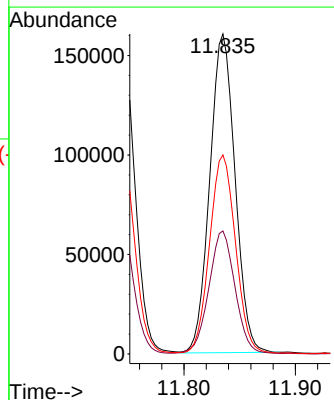
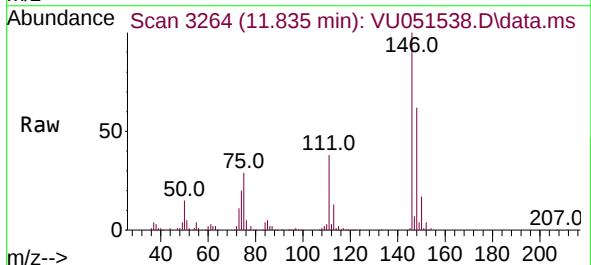
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

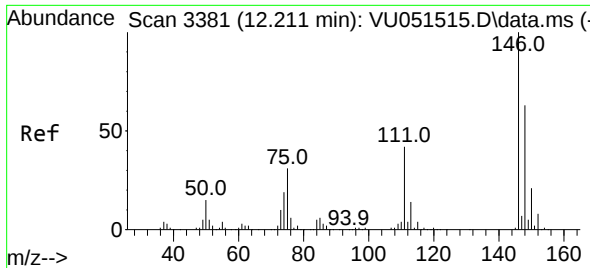
Tgt Ion:146 Resp: 261600
Ion Ratio Lower Upper
146 100
111 40.1 28.3 52.7
148 62.4 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 5.274 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051538.D
Acq: 27 Oct 2022 14:03

Tgt Ion:146 Resp: 252604
Ion Ratio Lower Upper
146 100
111 38.5 29.1 54.1
148 62.2 44.2 82.0

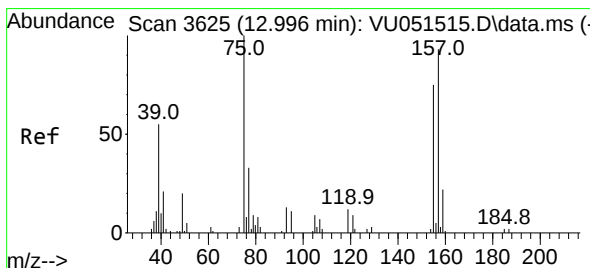
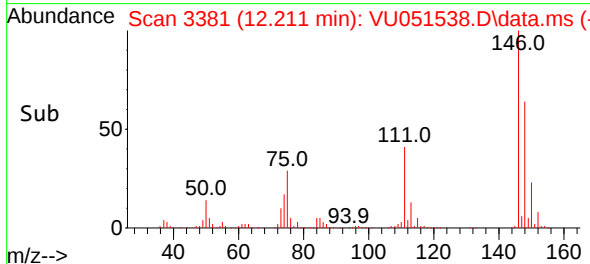
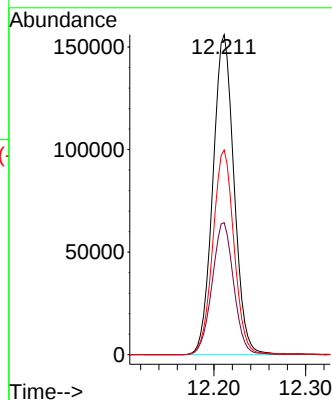
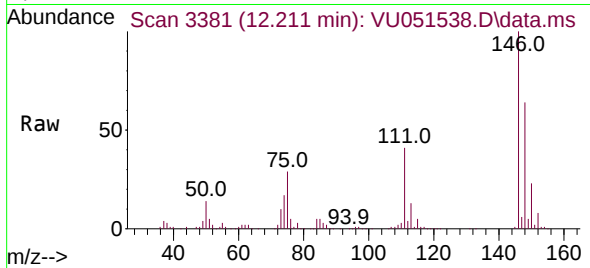




#67
 1,2-Dichlorobenzene
 Concen: 5.294 ug/L
 RT: 12.211 min Scan# 3381
 Delta R.T. 0.000 min
 Lab File: VU051538.D
 Acq: 27 Oct 2022 14:03

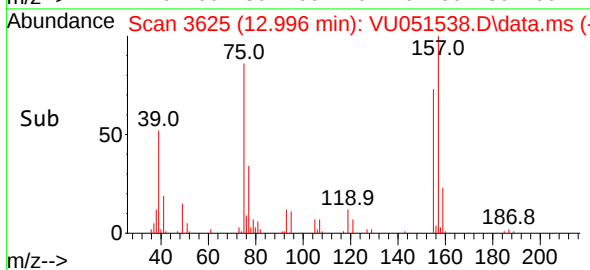
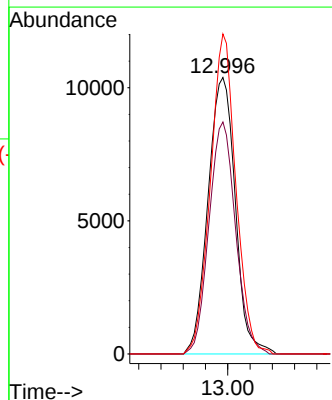
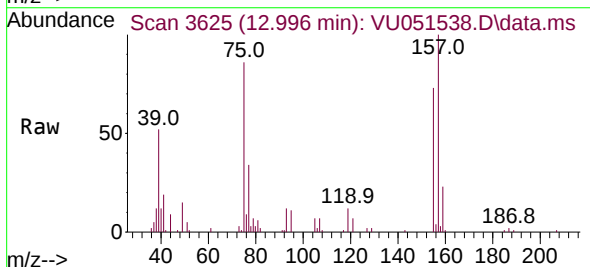
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005184

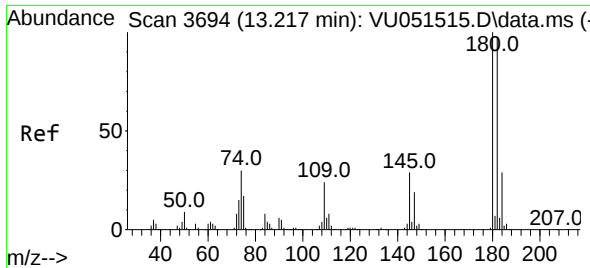
Tgt Ion:146 Resp: 250093
 Ion Ratio Lower Upper
 146 100
 111 41.3 35.5 53.3
 148 64.0 50.9 76.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.715 ug/L
 RT: 12.996 min Scan# 3625
 Delta R.T. 0.000 min
 Lab File: VU051538.D
 Acq: 27 Oct 2022 14:03

Tgt Ion: 75 Resp: 17663
 Ion Ratio Lower Upper
 75 100
 155 83.9 62.7 94.1
 157 115.7 78.3 117.5



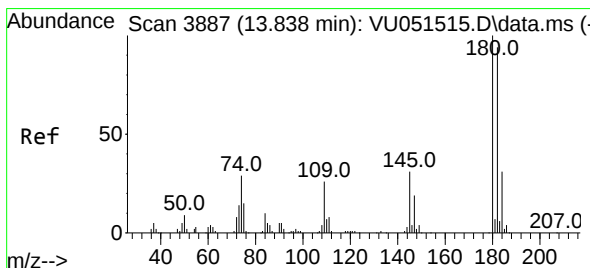
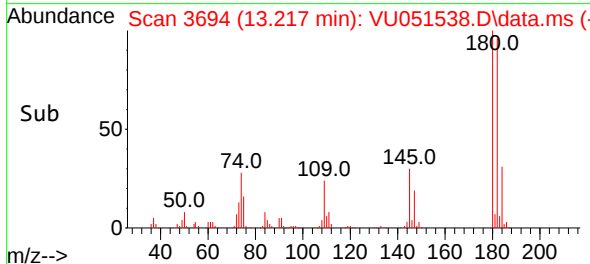
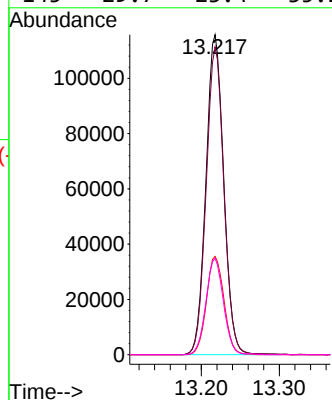
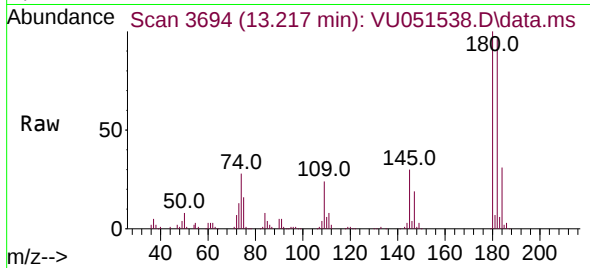


#69
 1,3,5-Trichlorobenzene
 Concen: 5.486 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU051538.D
 Acq: 27 Oct 2022 14:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005184

Tgt Ion:180 Resp: 183747

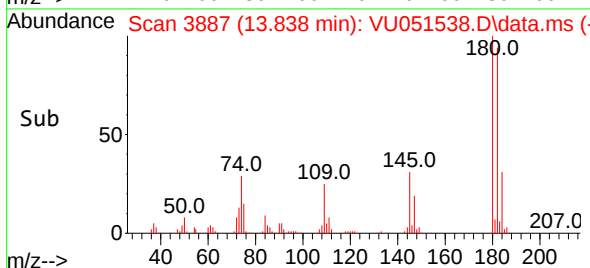
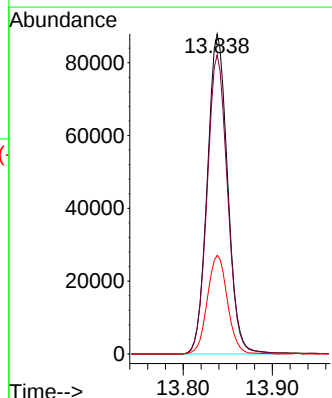
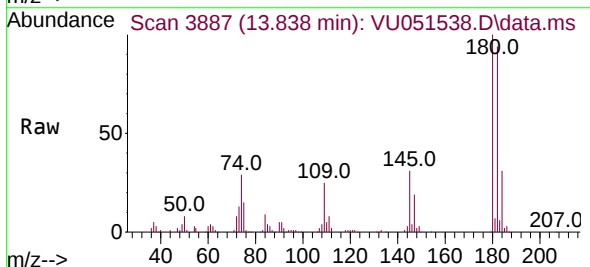
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.7	116.5
184	30.3	23.6	35.4
145	29.7	23.4	35.2

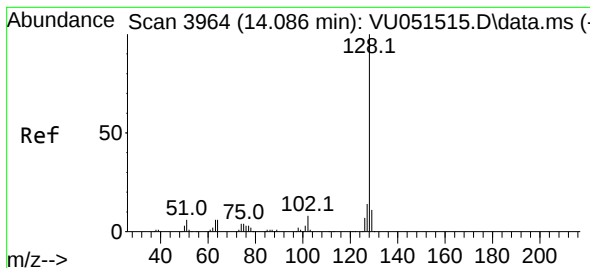


#70
 1,2,4-trichlorobenzene
 Concen: 5.838 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU051538.D
 Acq: 27 Oct 2022 14:03

Tgt Ion:180 Resp: 138994

Ion	Ratio	Lower	Upper
180	100		
182	94.1	78.7	118.1
145	30.5	25.0	37.4





#71

Naphthalene

Concen: 5.616 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU051538.D

Acq: 27 Oct 2022 14:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD005184

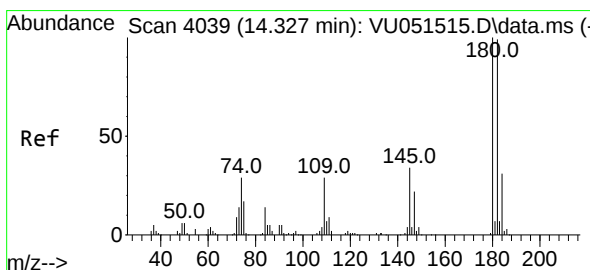
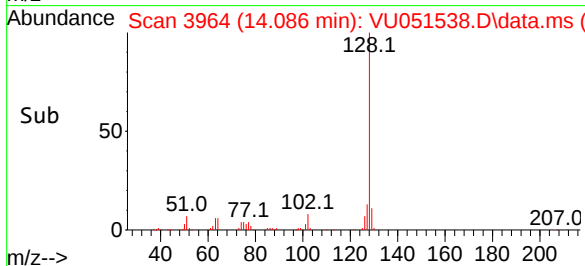
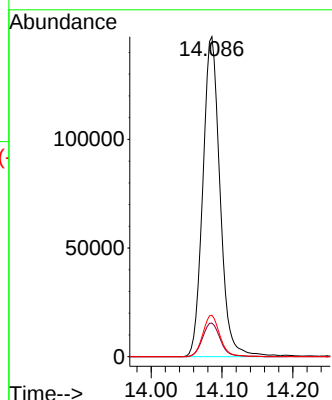
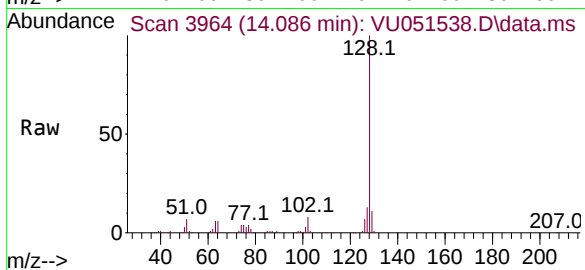
Tgt Ion:128 Resp: 248495

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

127 12.9 11.1 16.7



#72

1,2,3-Trichlorobenzene

Concen: 5.577 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

Lab File: VU051538.D

Acq: 27 Oct 2022 14:03

Tgt Ion:180 Resp: 137334

Ion Ratio Lower Upper

180 100

182 95.8 76.6 114.8

145 32.3 25.8 38.8

