

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120622\
 Data File : VU052183.D
 Acq On : 06 Dec 2022 10:21
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005092

Quant Time: Dec 06 21:22:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 24 05:20:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	231131	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	228151	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	118926	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	111359	4.953	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	99.000%	
7) Chloroethane-d5	1.912	69	92263	5.284	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	105.600%	
11) 1,1-Dichloroethene-d2	2.565	65	42718	5.301	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	106.000%	
20) 2-Butanone-d5	4.649	46	204729	50.238	ug/L	0.03
Spiked Amount	50.000	Range 40 - 130	Recovery	=	100.480%	
24) Chloroform-d	5.063	84	183210	5.546	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	111.000%	
26) 1,2-Dichloroethane-d4	5.703	65	84851	5.085	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	101.800%	
32) Benzene-d6	5.726	84	372727	5.503	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	110.000%	
36) 1,2-Dichloropropane-d6	6.690	67	110623	5.277	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	105.600%	
41) Toluene-d8	7.896	98	343319	5.602	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	112.000%	
43) trans-1,3-Dichloroprop...	8.179	79	40685	5.326	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	106.600%	
46) 2-Hexanone-d5	8.636	63	164316	50.759	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	101.520%	
56) 1,1,2,2-Tetrachloroeth...	10.755	84	96530	5.311	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	106.200%	
66) 1,2-Dichlorobenzene-d4	12.192	152	113252	4.974	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	99.400%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	102774	5.127	ug/L	100
3) Chloromethane	1.523	50	130726	4.997	ug/L	99
5) Vinyl chloride	1.604	62	132278	5.262	ug/L	98
6) Bromomethane	1.858	94	61992	4.806	ug/L	100
8) Chloroethane	1.935	64	78259	5.007	ug/L	95
9) Trichlorofluoromethane	2.138	101	145138	5.249	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	91457	5.410	ug/L	99
12) 1,1-Dichloroethene	2.578	96	91399	5.451	ug/L	93
13) Acetone	2.665	43	149223	53.924	ug/L	100
14) Carbon disulfide	2.793	76	303403	5.227	ug/L	99
15) Methyl Acetate	2.964	43	32794	4.569	ug/L	98
16) Methylene chloride	3.047	84	115135	5.076	ug/L	98
17) Methyl tert-butyl Ether	3.363	73	176848	4.712	ug/L	100
18) trans-1,2-Dichloroethene	3.353	96	92826	5.165	ug/L	95
19) 1,1-Dichloroethane	3.871	63	164852	5.089	ug/L	98
21) 2-Butanone	4.723	43	218469	49.256	ug/L	100
22) cis-1,2-Dichloroethene	4.668	96	94348	5.002	ug/L	98
23) Bromochloromethane	4.973	128	47241	5.235	ug/L	93
25) Chloroform	5.086	83	171221	5.216	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120622\
 Data File : VU052183.D
 Acq On : 06 Dec 2022 10:21
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005092

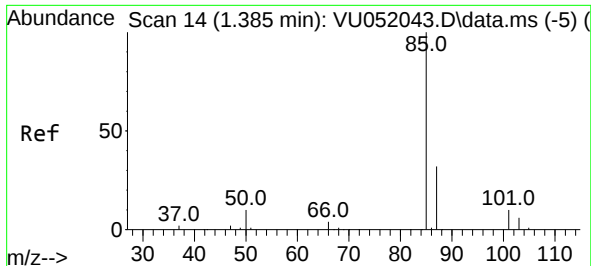
Quant Time: Dec 06 21:22:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 24 05:20:45 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	101335	5.041	ug/L	97
29) 1,1,1-Trichloroethane	5.314	97	138602	5.476	ug/L	99
30) Cyclohexane	5.388	56	120769	4.914	ug/L	100
31) Carbon tetrachloride	5.523	117	118752	5.521	ug/L	99
33) Benzene	5.774	78	391982	5.279	ug/L	100
34) Trichloroethene	6.542	95	94198	5.086	ug/L	96
35) Methylcyclohexane	6.761	83	133247	5.002	ug/L	99
37) 1,2-Dichloropropane	6.790	63	99383	5.169	ug/L	100
38) Bromodichloromethane	7.105	83	123024	5.249	ug/L	96
39) cis-1,3-Dichloropropene	7.607	75	122947	4.981	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	490877	48.882	ug/L	100
42) Toluene	7.967	91	419111	5.487	ug/L	97
44) trans-1,3-Dichloropropene	8.211	75	111875	5.293	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	74474	5.155	ug/L	99
47) Tetrachloroethene	8.552	164	75966	5.352	ug/L	97
48) 2-Hexanone	8.684	43	382413	51.944	ug/L	99
49) Dibromochloromethane	8.809	129	90600	5.599	ug/L	98
50) 1,2-Dibromoethane	8.922	107	69718	5.298	ug/L	99
51) Chlorobenzene	9.446	112	251459	5.164	ug/L	98
52) Ethylbenzene	9.568	91	379752	5.114	ug/L	100
53) m,p-Xylene	9.693	106	155119	5.395	ug/L	93
54) o-Xylene	10.099	106	147637	5.357	ug/L	96
55) Styrene	10.115	104	256832	5.518	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	94831	5.256	ug/L	99
59) Bromoform	10.292	173	52123	5.321	ug/L	98
60) Isopropylbenzene	10.484	105	373409	4.999	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	65212	4.791	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	273649	4.582	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	282384	4.764	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	193832	5.082	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	193658	5.091	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	185444	5.049	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	13548	4.548	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	131511	4.862	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	96522	4.686	ug/L	99
71) Naphthalene	14.086	128	151915	3.929	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	98668	4.869	ug/L	100

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

Quant Time: Dec 06 21:22:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 24 05:20:45 2022
Response via : Initial Calibration

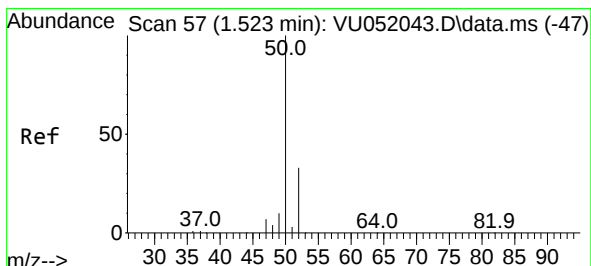
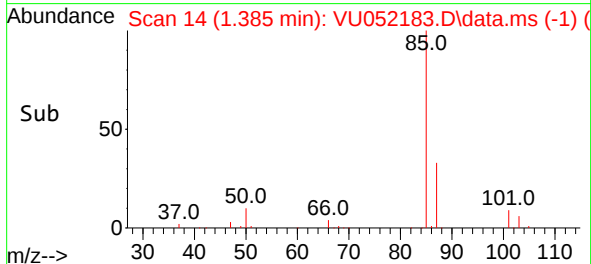
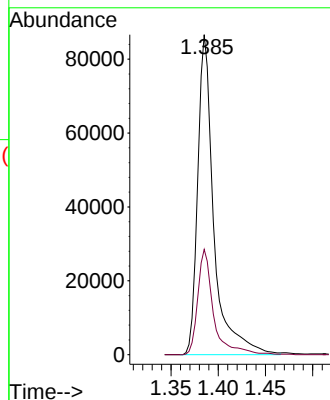
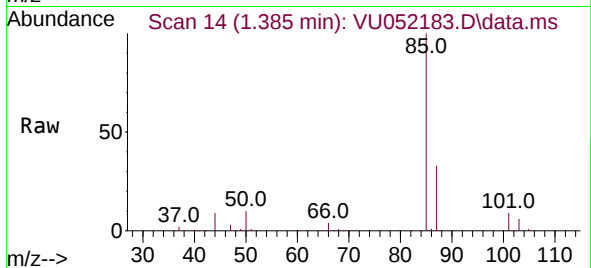




#2
Dichlorodifluoromethane
Concen: 5.127 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

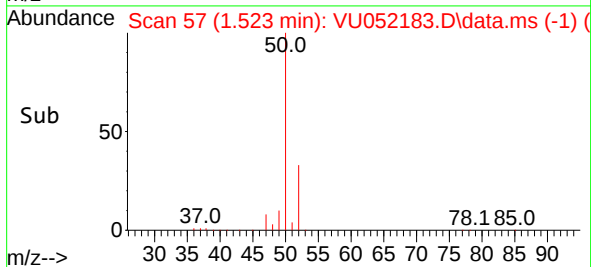
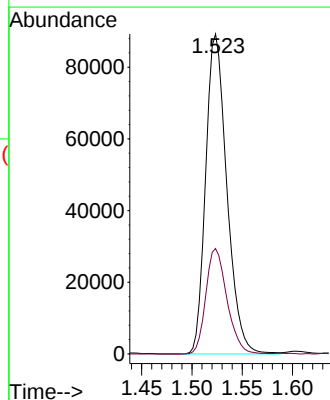
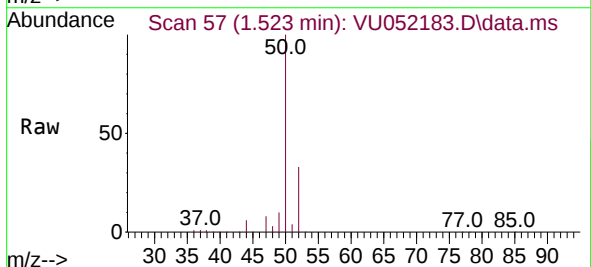
Instrument :
MSVOA_U
ClientSampleId :
VSTD005092

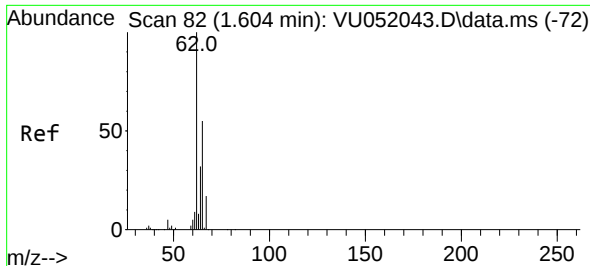
Tgt Ion: 85 Resp: 102774
Ion Ratio Lower Upper
85 100
87 32.3 25.8 38.8



#3
Chloromethane
Concen: 4.997 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

Tgt Ion: 50 Resp: 130726
Ion Ratio Lower Upper
50 100
52 33.0 23.4 43.4

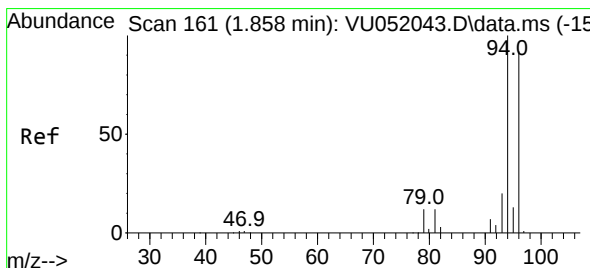
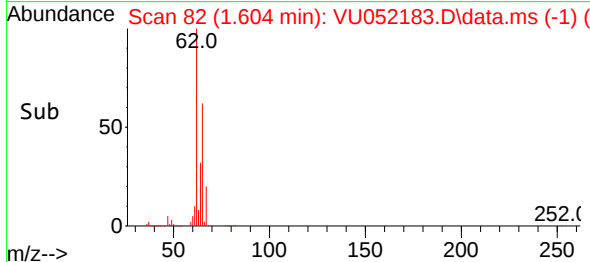
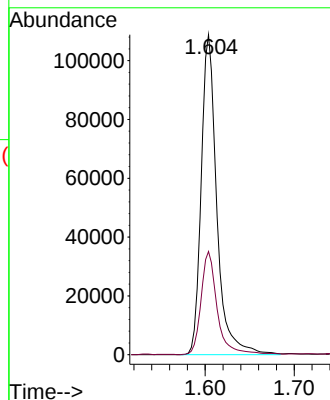
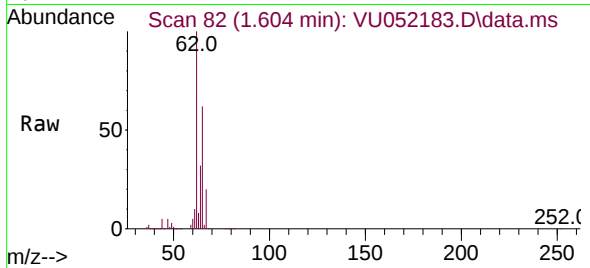




#5
 Vinyl chloride
 Concen: 5.262 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU052183.D
 Acq: 06 Dec 2022 10:21

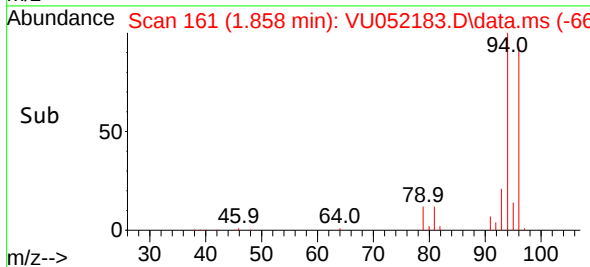
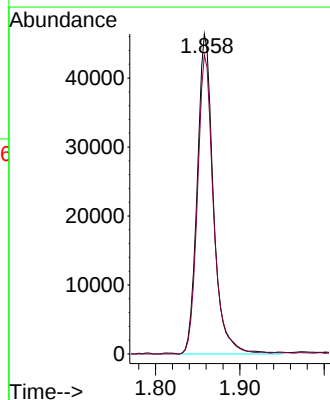
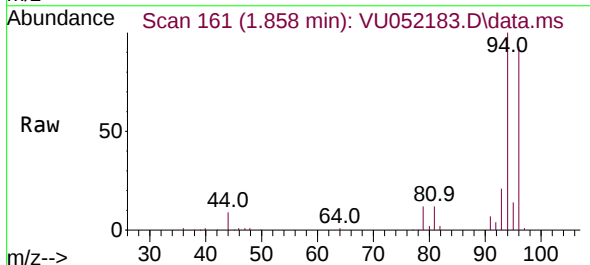
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005092

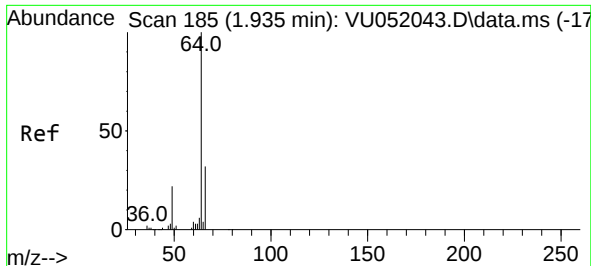
Tgt Ion: 62 Resp: 132278
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.5 43.7



#6
 Bromomethane
 Concen: 4.806 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.006 min
 Lab File: VU052183.D
 Acq: 06 Dec 2022 10:21

Tgt Ion: 94 Resp: 61992
 Ion Ratio Lower Upper
 94 100
 96 93.5 65.7 122.1

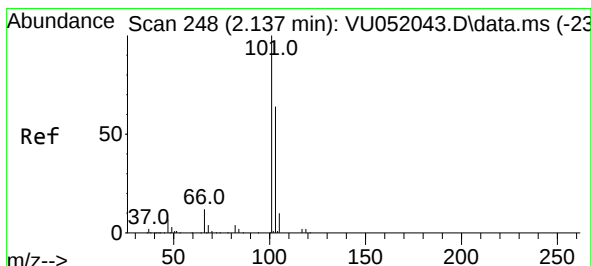
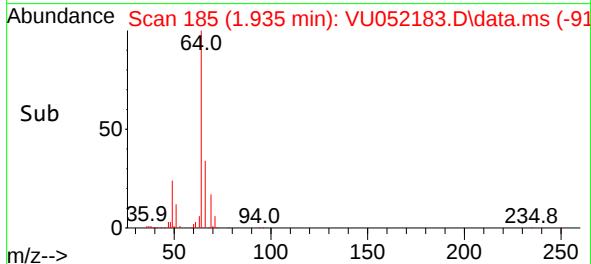
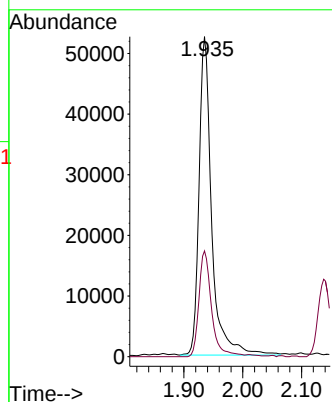
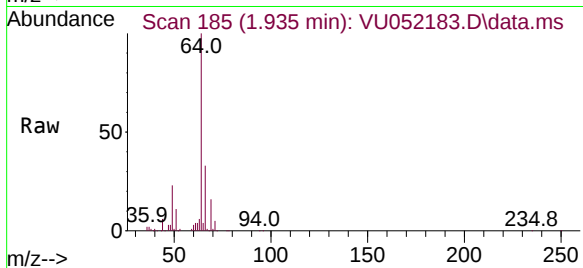




#8
Chloroethane
Concen: 5.007 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.003 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

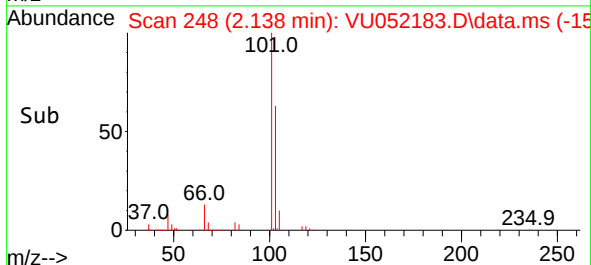
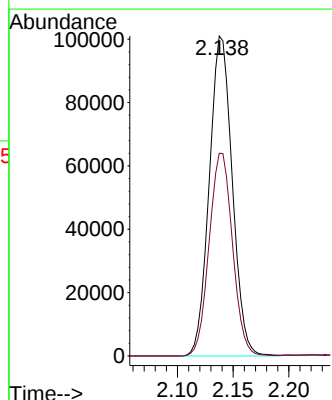
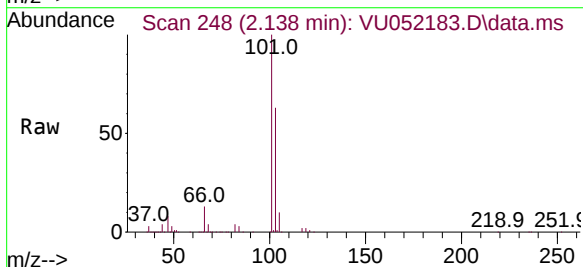
Instrument :
MSVOA_U
ClientSampleId :
VSTD005092

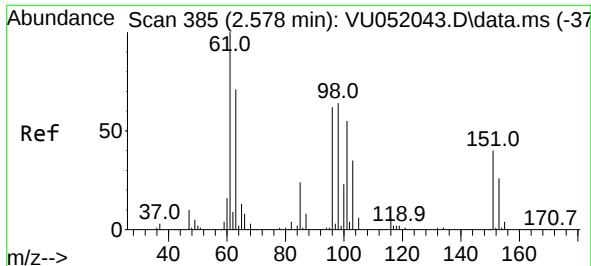
Tgt Ion: 64 Resp: 78259
Ion Ratio Lower Upper
64 100
66 33.1 21.1 39.1



#9
Trichlorofluoromethane
Concen: 5.249 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

Tgt Ion: 101 Resp: 145138
Ion Ratio Lower Upper
101 100
103 64.3 51.6 77.4

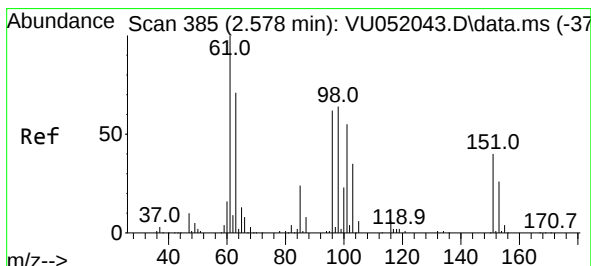
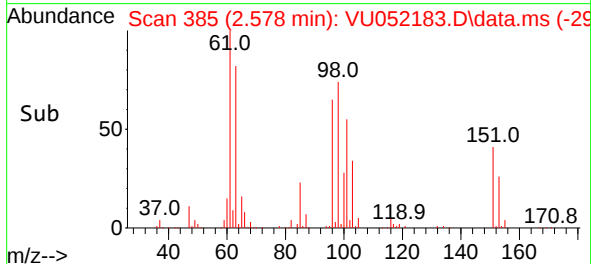
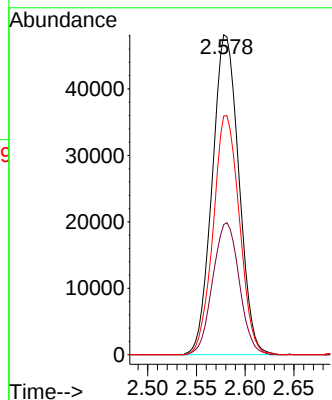
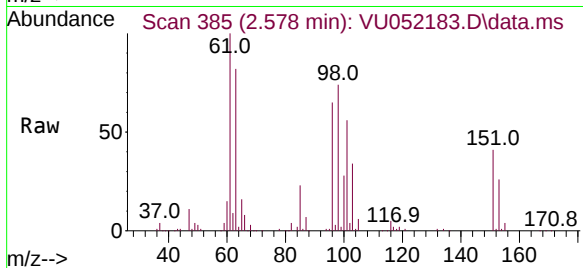




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.410 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU052183.D
 Acq: 06 Dec 2022 10:21

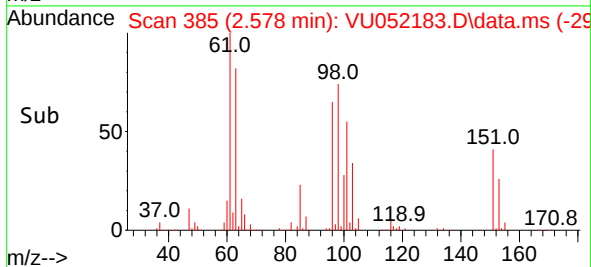
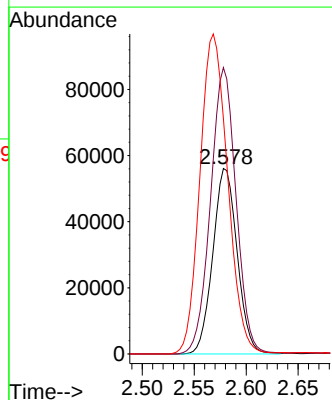
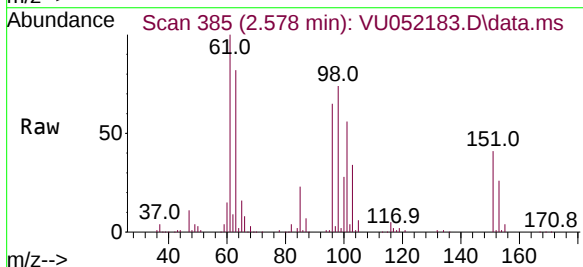
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005092

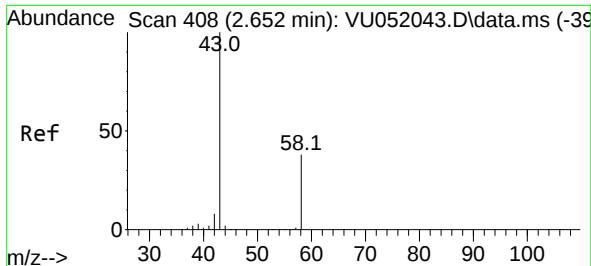
Tgt Ion:101 Resp: 91457
 Ion Ratio Lower Upper
 101 100
 85 41.2 33.8 50.6
 151 73.7 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 5.451 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU052183.D
 Acq: 06 Dec 2022 10:21

Tgt Ion: 96 Resp: 91399
 Ion Ratio Lower Upper
 96 100
 61 154.5 114.8 213.2
 63 127.0 93.7 174.1





#13

Acetone

Concen: 53.924 ug/L

RT: 2.665 min Scan# 412

Delta R.T. 0.045 min

Lab File: VU052183.D

Acq: 06 Dec 2022 10:21

Instrument :

MSVOA_U

ClientSampleId :

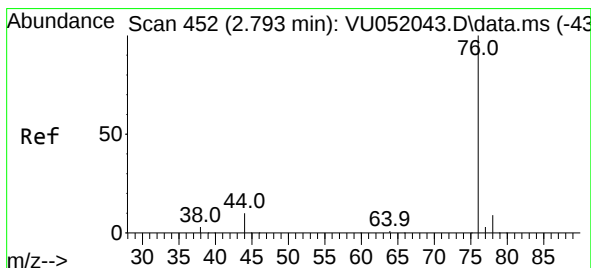
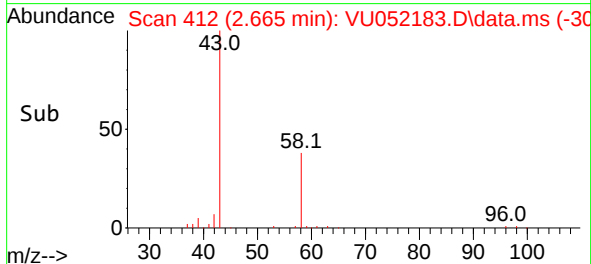
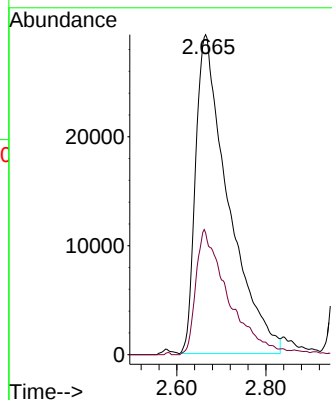
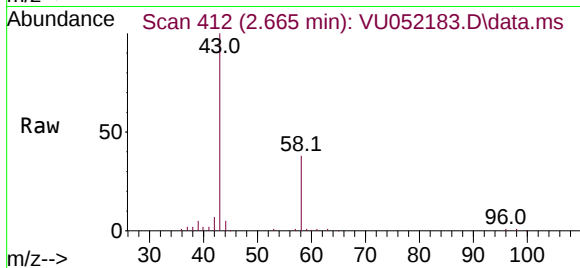
VSTD005092

Tgt Ion: 43 Resp: 149223

Ion Ratio Lower Upper

43 100

58 38.3 0.0 76.0



#14

Carbon disulfide

Concen: 5.227 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052183.D

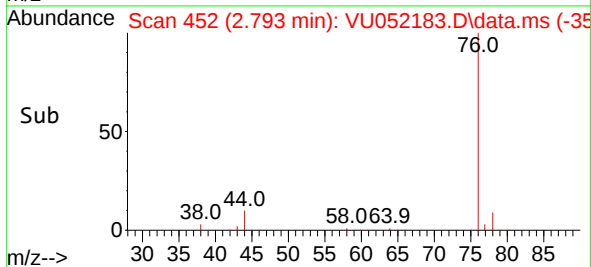
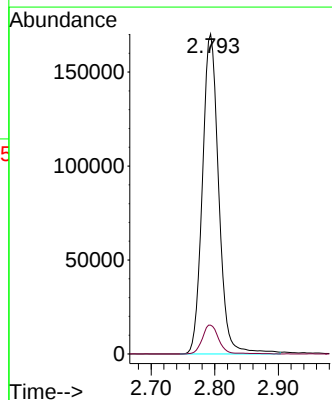
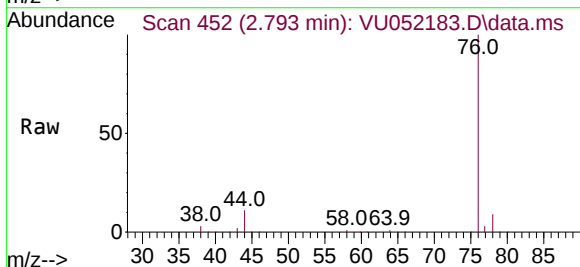
Acq: 06 Dec 2022 10:21

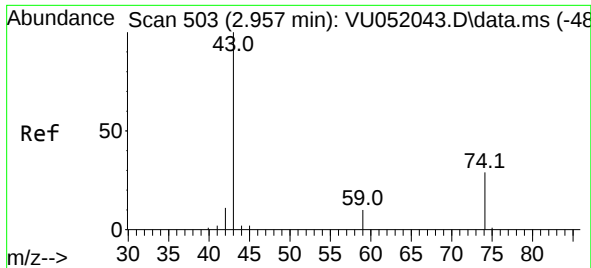
Tgt Ion: 76 Resp: 303403

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

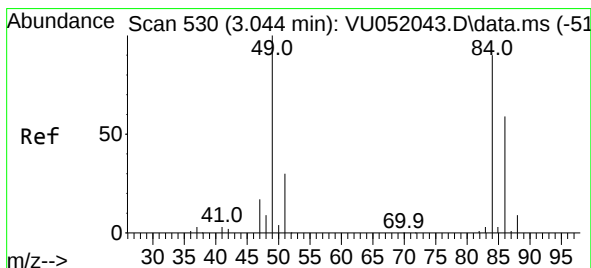
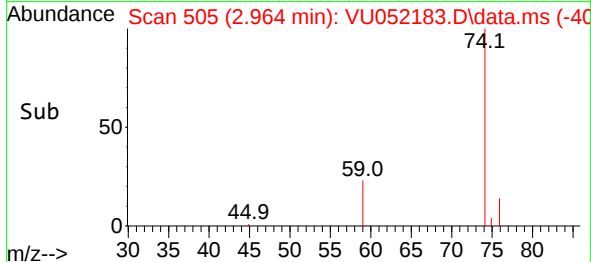
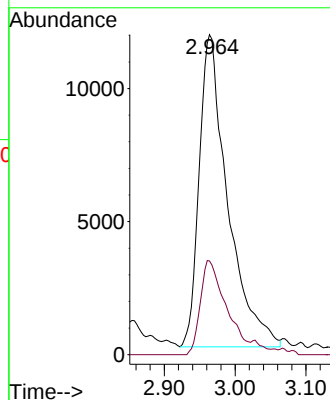
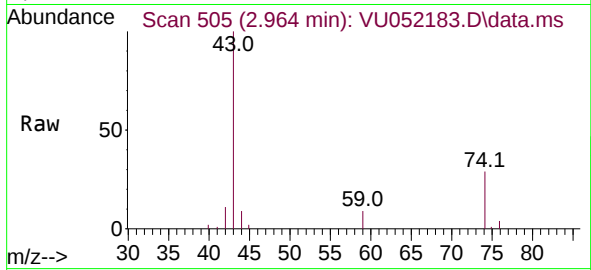




#15
Methyl Acetate
Concen: 4.569 ug/L
RT: 2.964 min Scan# 503
Delta R.T. 0.019 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

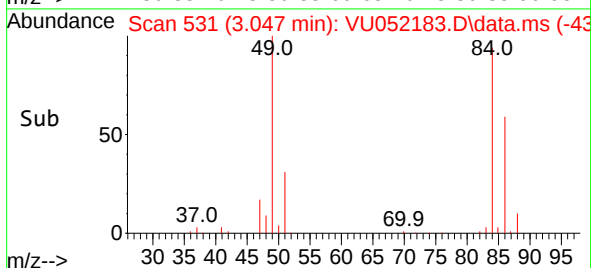
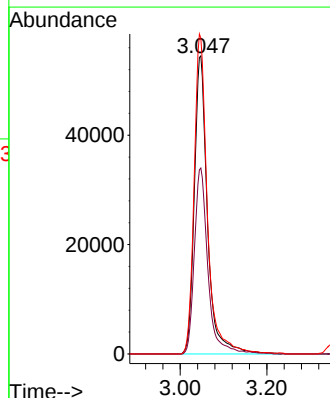
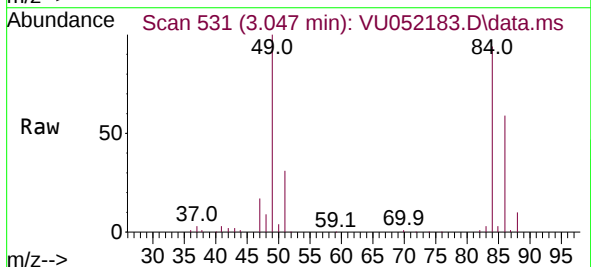
Instrument :
MSVOA_U
ClientSampleId :
VSTD005092

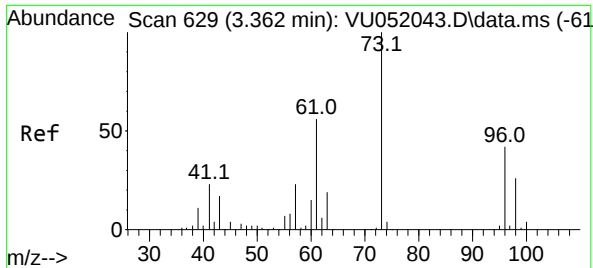
Tgt Ion: 43 Resp: 32794
Ion Ratio Lower Upper
43 100
74 27.4 21.3 31.9



#16
Methylene chloride
Concen: 5.076 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

Tgt Ion: 84 Resp: 115135
Ion Ratio Lower Upper
84 100
86 62.4 43.8 81.4
49 106.0 75.9 141.1

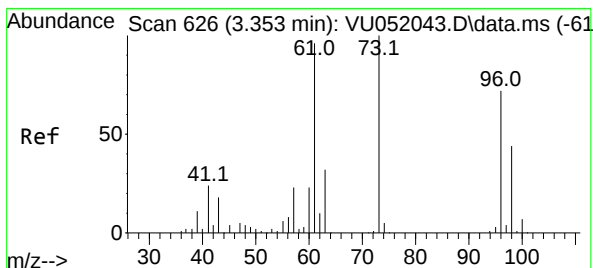
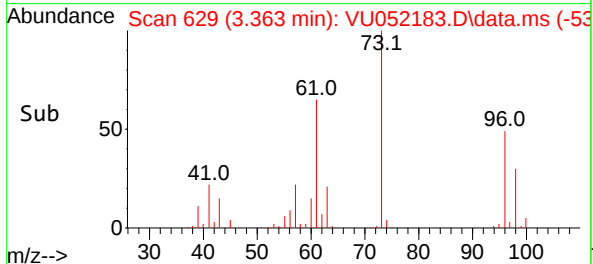
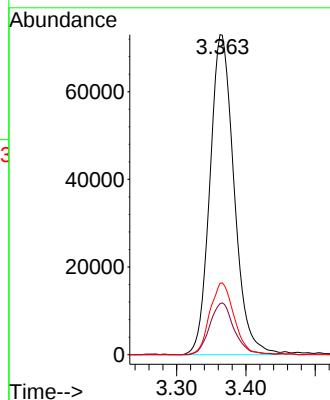
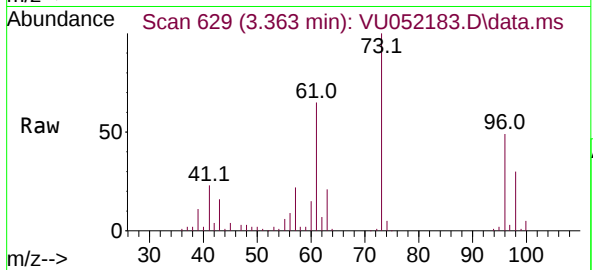




#17
Methyl tert-butyl Ether
Concen: 4.712 ug/L
RT: 3.363 min Scan# 617
Delta R.T. 0.003 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

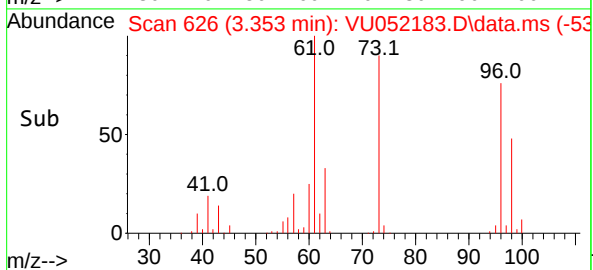
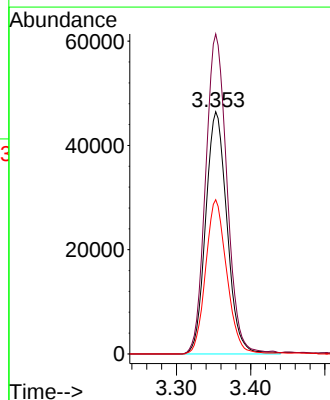
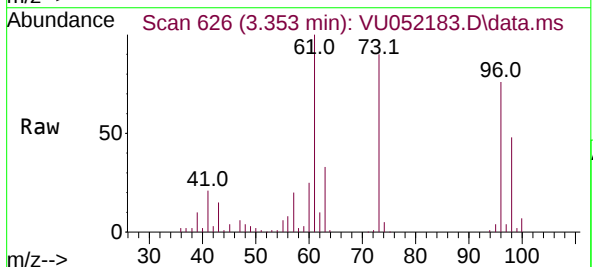
Instrument :
MSVOA_U
ClientSampleId :
VSTD005092

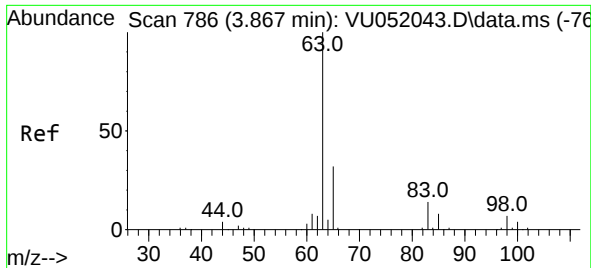
Tgt Ion: 73 Resp: 176848
Ion Ratio Lower Upper
73 100
43 16.4 13.2 19.8
57 22.6 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.165 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

Tgt Ion: 96 Resp: 92826
Ion Ratio Lower Upper
96 100
61 132.1 97.9 181.7
98 63.7 43.8 81.3

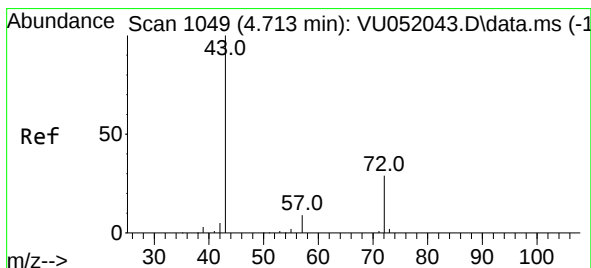
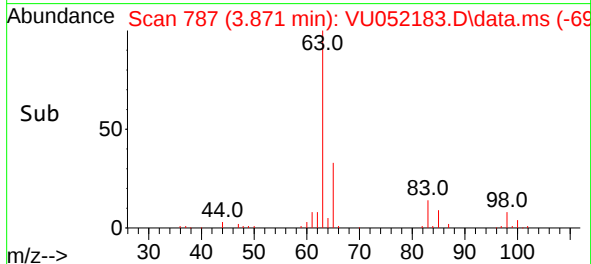
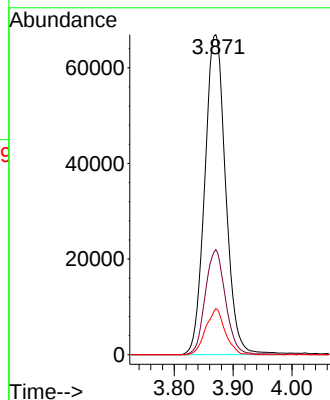
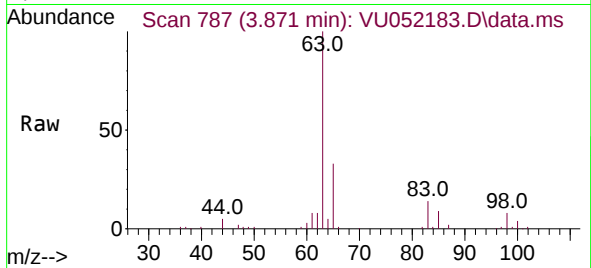




#19
1,1-Dichloroethane
Concen: 5.089 ug/L
RT: 3.871 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

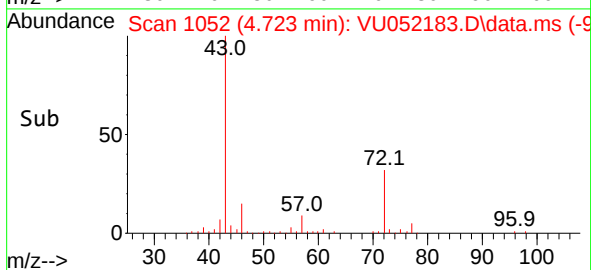
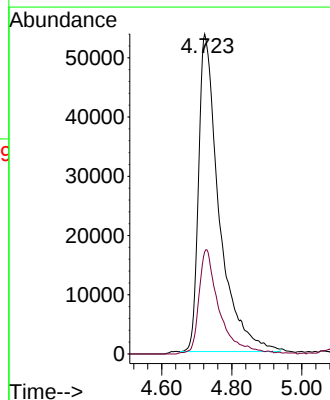
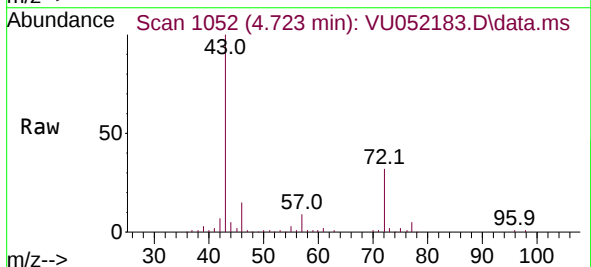
Instrument :
MSVOA_U
ClientSampleId :
VSTD005092

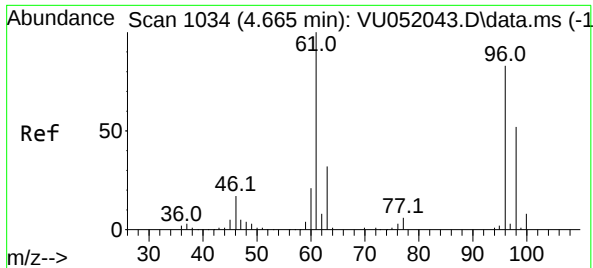
Tgt Ion: 63 Resp: 164852
Ion Ratio Lower Upper
63 100
65 32.8 22.2 41.2
83 14.4 9.2 17.0



#21
2-Butanone
Concen: 49.256 ug/L
RT: 4.723 min Scan# 1052
Delta R.T. 0.026 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

Tgt Ion: 43 Resp: 218469
Ion Ratio Lower Upper
43 100
72 31.0 15.6 46.8

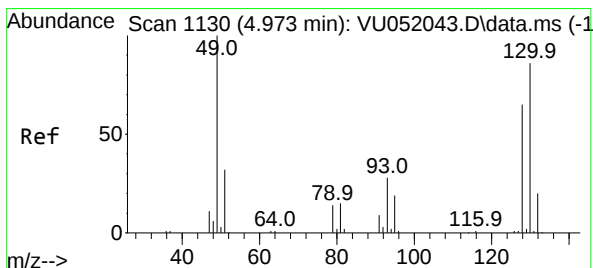
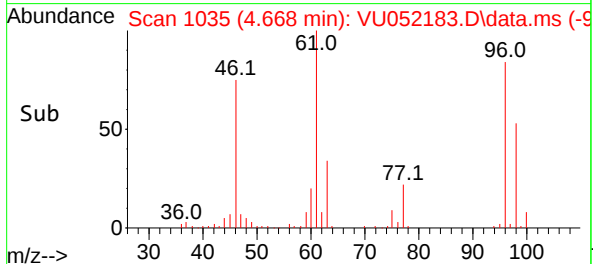
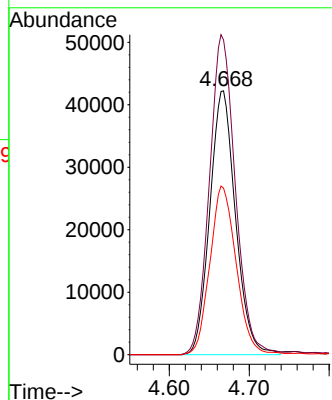
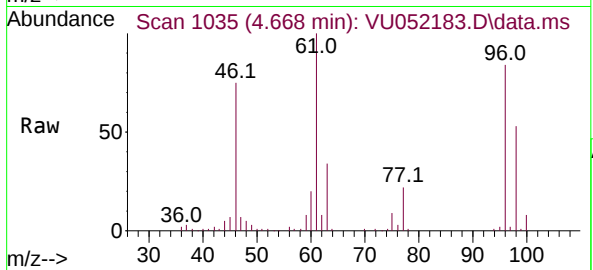




#22
 cis-1,2-Dichloroethene
 Concen: 5.002 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.003 min
 Lab File: VU052183.D
 Acq: 06 Dec 2022 10:21

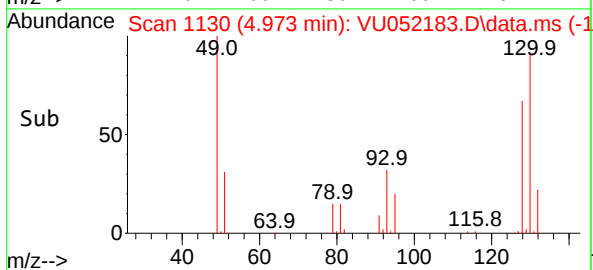
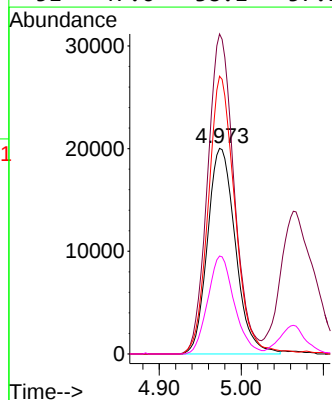
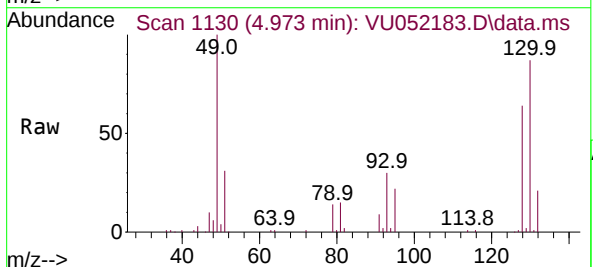
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005092

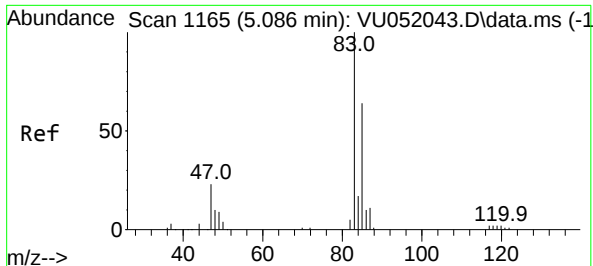
Tgt Ion: 96 Resp: 94348
 Ion Ratio Lower Upper
 96 100
 61 119.3 85.1 158.1
 98 63.2 42.8 79.6



#23
 Bromochloromethane
 Concen: 5.235 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.003 min
 Lab File: VU052183.D
 Acq: 06 Dec 2022 10:21

Tgt Ion: 128 Resp: 47241
 Ion Ratio Lower Upper
 128 100
 49 155.6 104.0 193.2
 130 135.0 84.6 157.2
 51 47.6 38.1 57.1





#25

Chloroform

Concen: 5.216 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU052183.D

Acq: 06 Dec 2022 10:21

Instrument :

MSVOA_U

ClientSampleId :

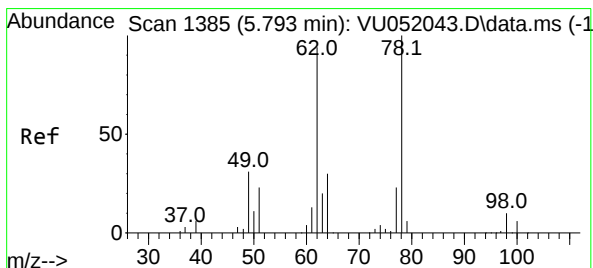
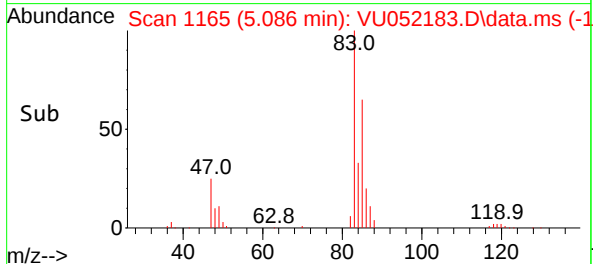
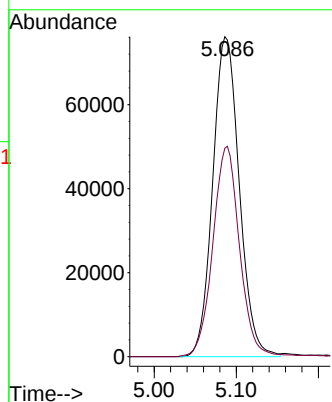
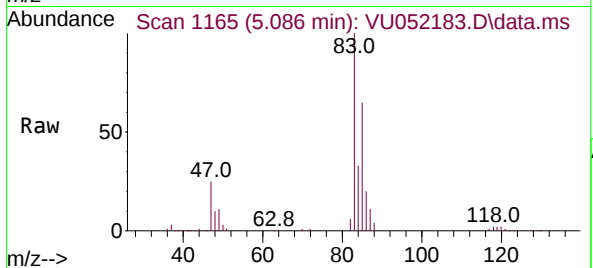
VSTD005092

Tgt Ion: 83 Resp: 171221

Ion Ratio Lower Upper

83 100

85 65.2 43.8 81.4



#27

1,2-Dichloroethane

Concen: 5.041 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU052183.D

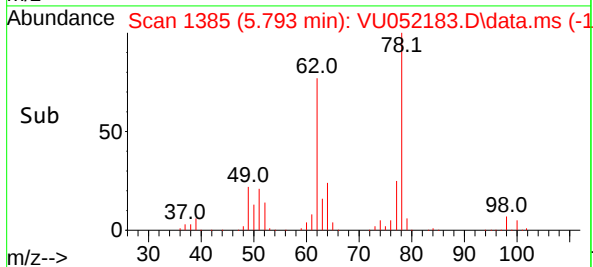
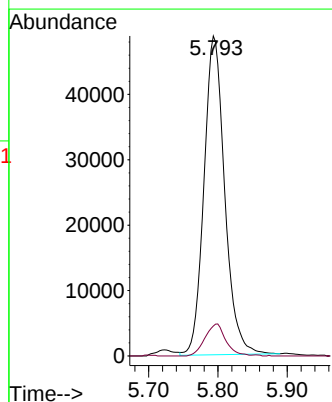
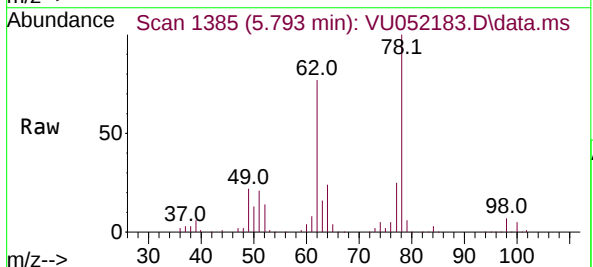
Acq: 06 Dec 2022 10:21

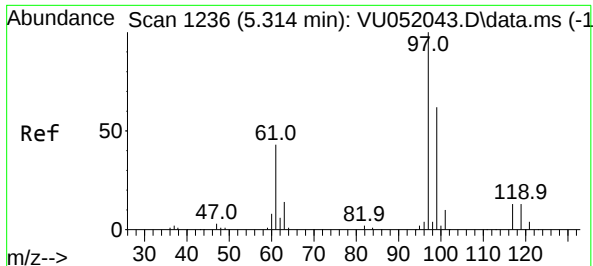
Tgt Ion: 62 Resp: 101335

Ion Ratio Lower Upper

62 100

98 9.4 8.4 12.6

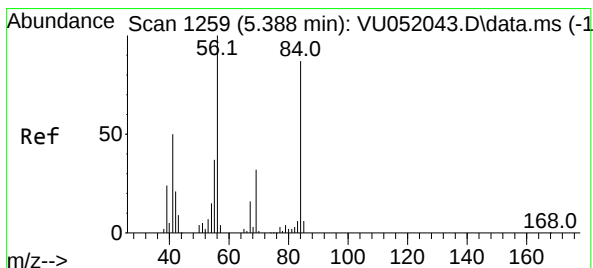
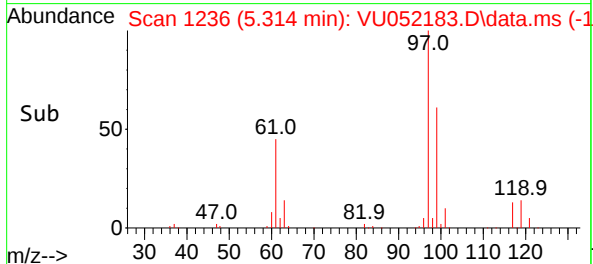
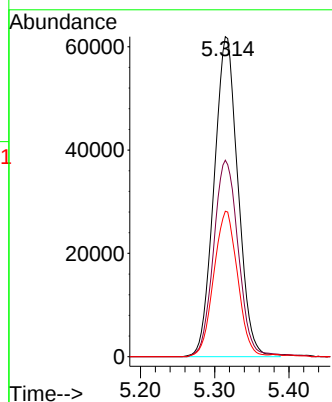
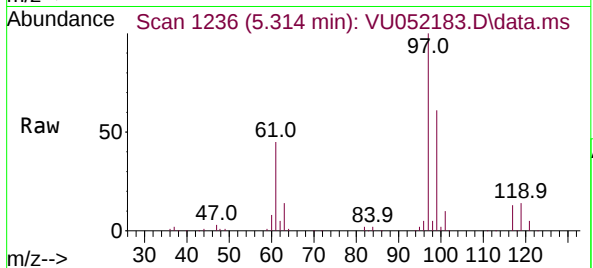




#29
1,1,1-Trichloroethane
Concen: 5.476 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

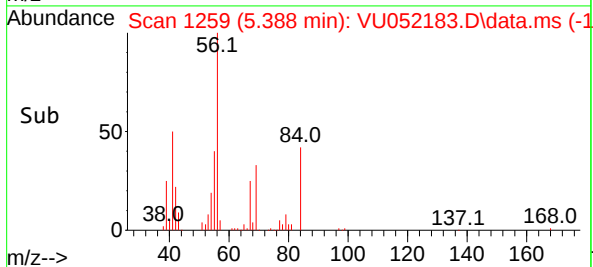
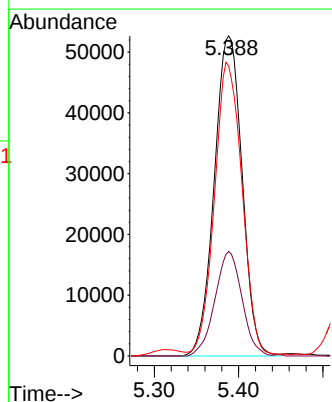
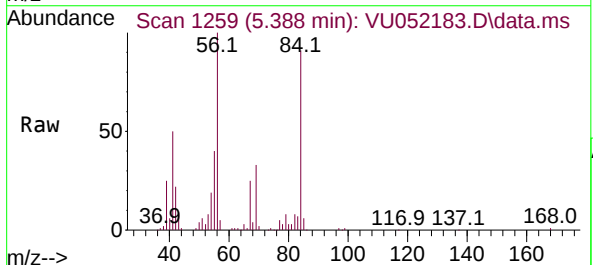
Instrument :
MSVOA_U
ClientSampleId :
VSTD005092

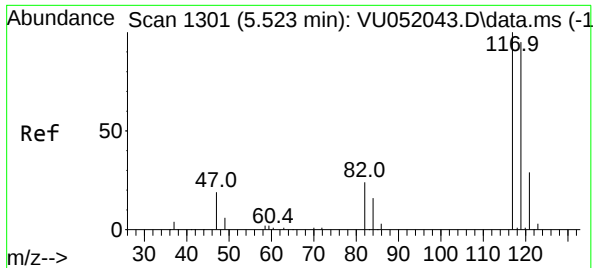
Tgt Ion: 97 Resp: 138602
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.6
61 45.4 36.9 55.3



#30
Cyclohexane
Concen: 4.914 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.003 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

Tgt Ion: 56 Resp: 120769
Ion Ratio Lower Upper
56 100
69 31.7 25.6 38.4
84 90.3 72.0 108.0

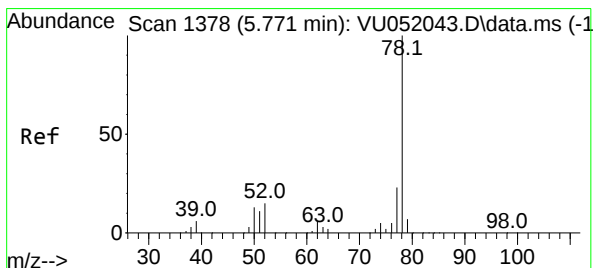
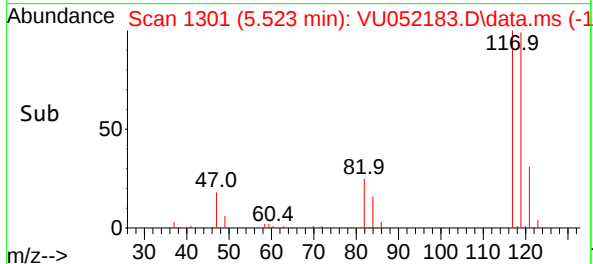
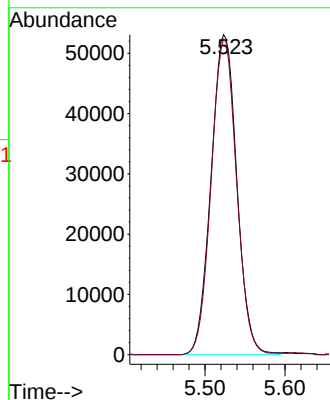
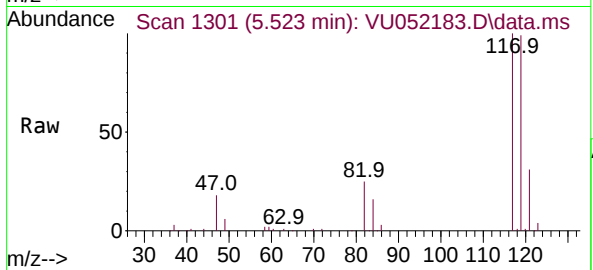




#31
Carbon tetrachloride
Concen: 5.521 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

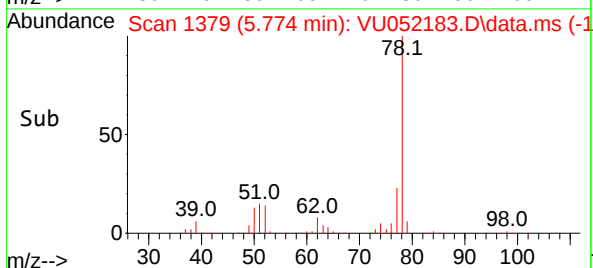
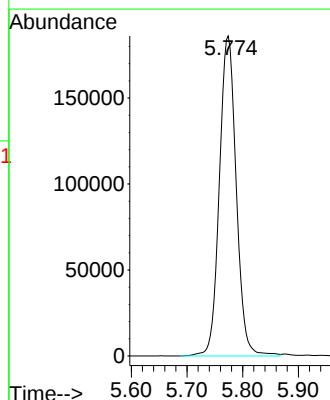
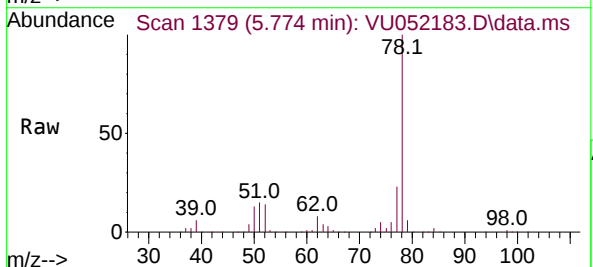
Instrument :
MSVOA_U
ClientSampleId :
VSTD005092

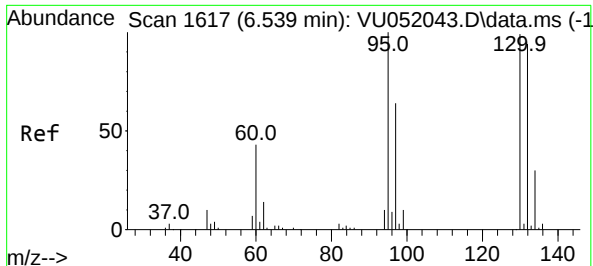
Tgt Ion:117 Resp: 118752
Ion Ratio Lower Upper
117 100
119 97.1 77.2 115.8



#33
Benzene
Concen: 5.279 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

Tgt Ion: 78 Resp: 391982



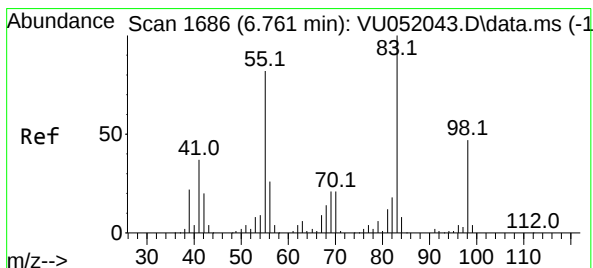
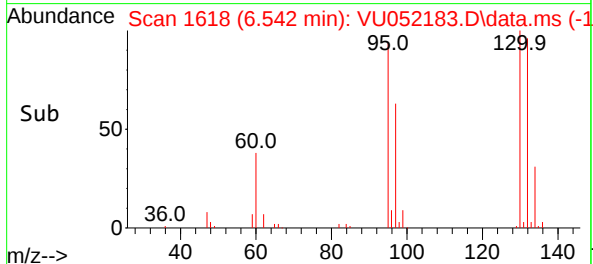
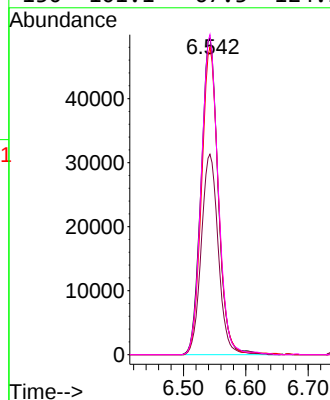
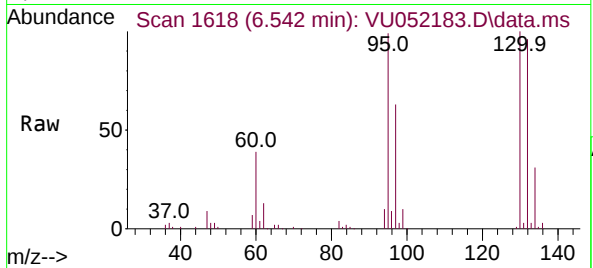


#34
Trichloroethene
Concen: 5.086 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD005092

Tgt Ion: 95 Resp: 94198

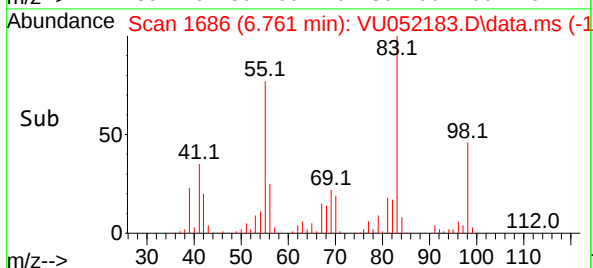
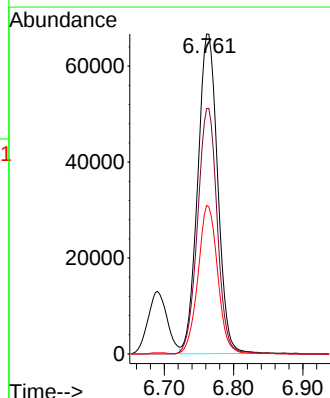
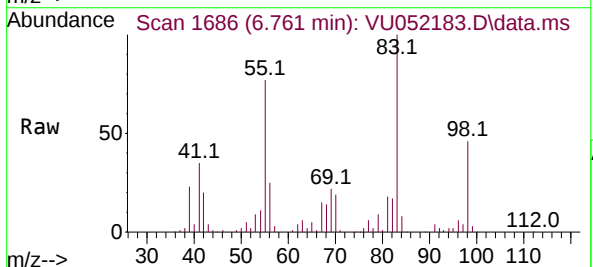
Ion	Ratio	Lower	Upper
95	100		
97	63.3	43.7	81.1
132	97.1	64.3	119.3
130	101.1	67.3	124.9

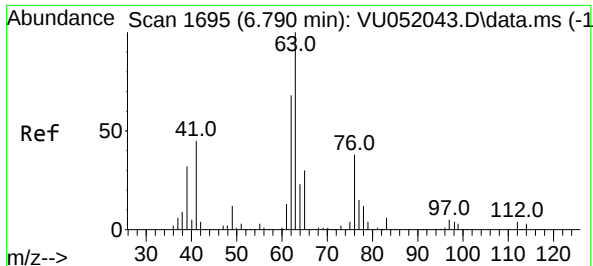


#35
Methylcyclohexane
Concen: 5.002 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

Tgt Ion: 83 Resp: 133247

Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.8	91.2
98	45.4	35.1	52.7





#37

1,2-Dichloropropane

Concen: 5.169 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU052183.D

Acq: 06 Dec 2022 10:21

Instrument :

MSVOA_U

ClientSampleId :

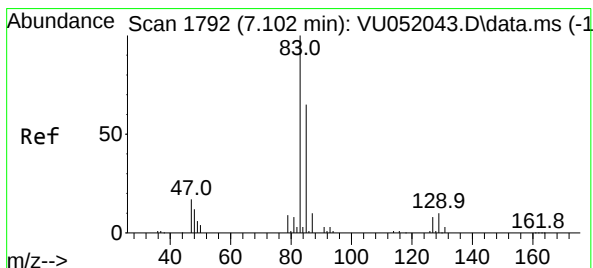
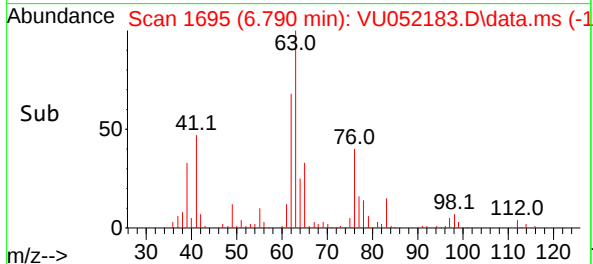
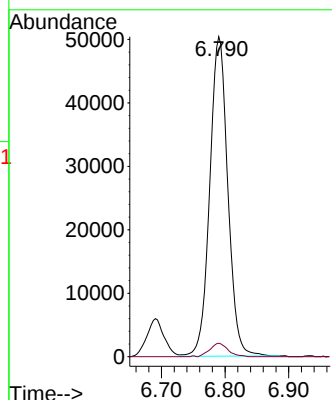
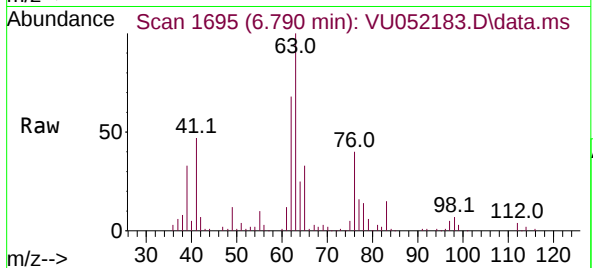
VSTD005092

Tgt Ion: 63 Resp: 99383

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 5.249 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.003 min

Lab File: VU052183.D

Acq: 06 Dec 2022 10:21

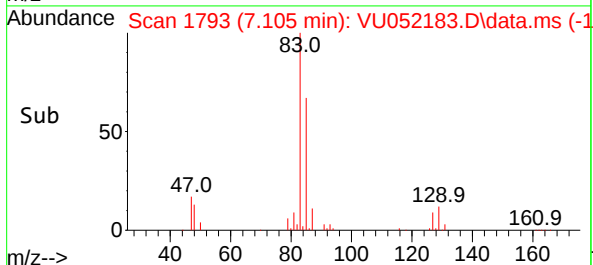
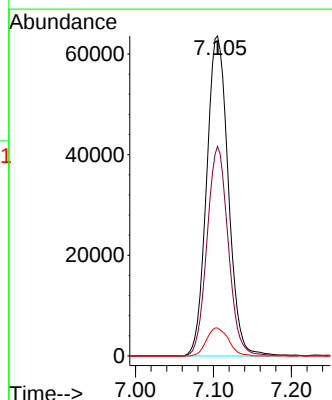
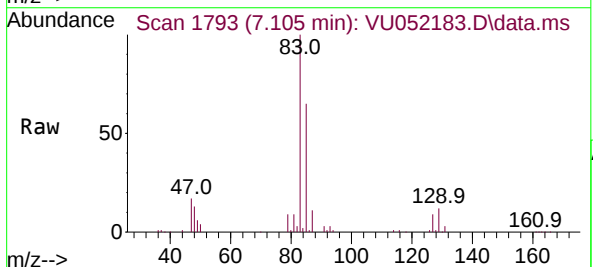
Tgt Ion: 83 Resp: 123024

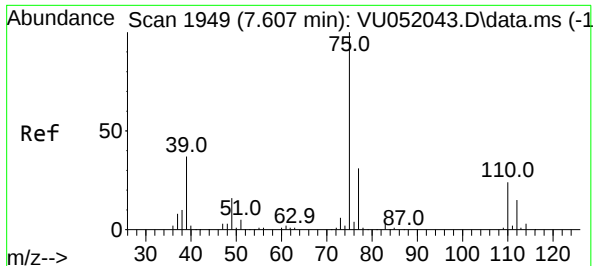
Ion Ratio Lower Upper

83 100

85 65.5 43.5 80.9

127 8.8 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.981 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU052183.D

Acq: 06 Dec 2022 10:21

Instrument :

MSVOA_U

ClientSampleId :

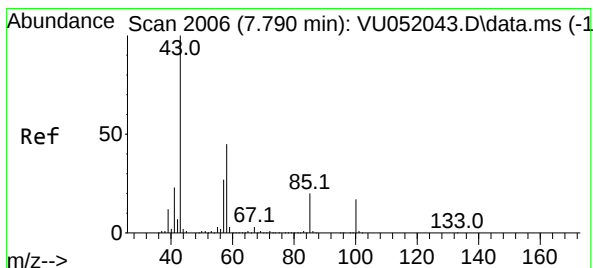
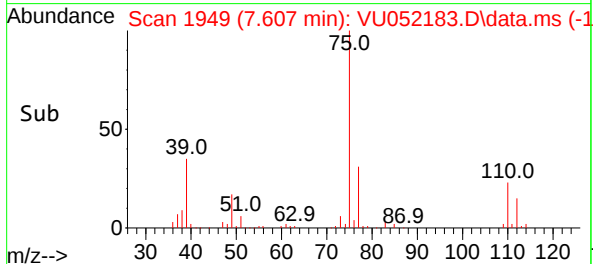
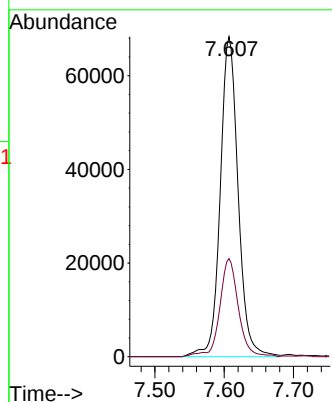
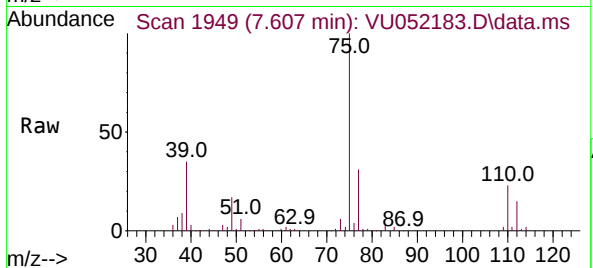
VSTD005092

Tgt Ion: 75 Resp: 122947

Ion Ratio Lower Upper

75 100

77 30.7 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 48.882 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.006 min

Lab File: VU052183.D

Acq: 06 Dec 2022 10:21

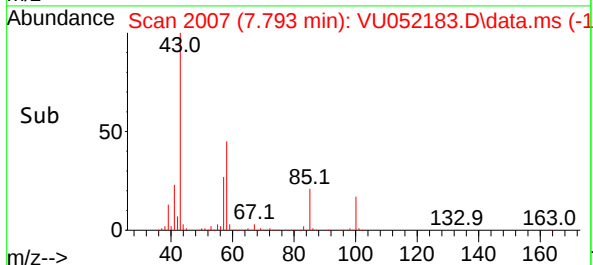
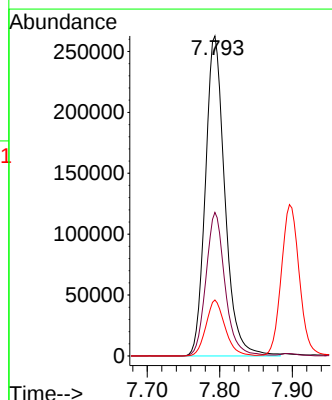
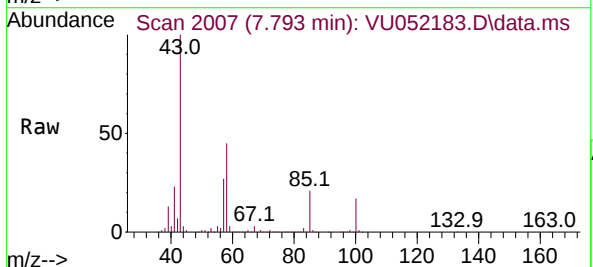
Tgt Ion: 43 Resp: 490877

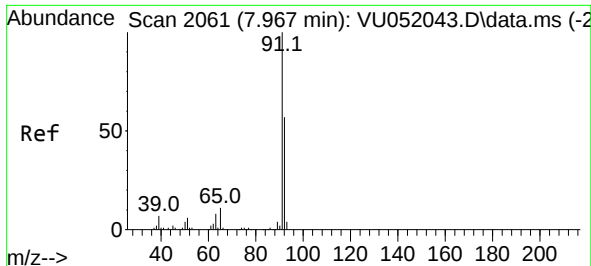
Ion Ratio Lower Upper

43 100

58 44.1 35.3 52.9

100 17.1 13.6 20.4





#42

Toluene

Concen: 5.487 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052183.D

Acq: 06 Dec 2022 10:21

Instrument :

MSVOA_U

ClientSampleId :

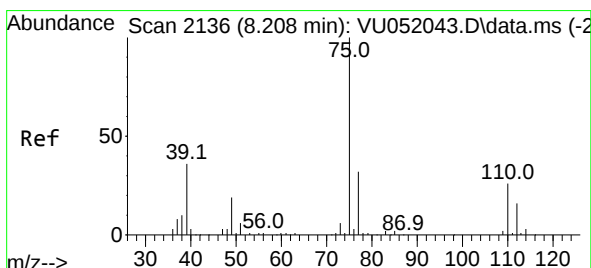
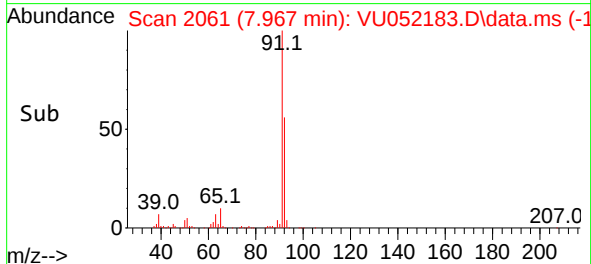
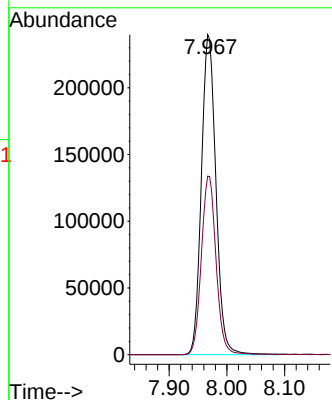
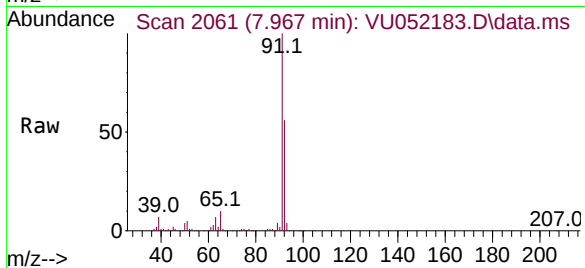
VSTD005092

Tgt Ion: 91 Resp: 419111

Ion Ratio Lower Upper

91 100

92 55.8 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.293 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU052183.D

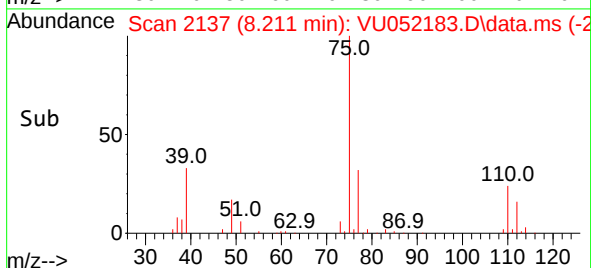
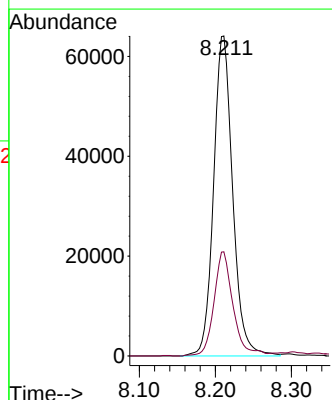
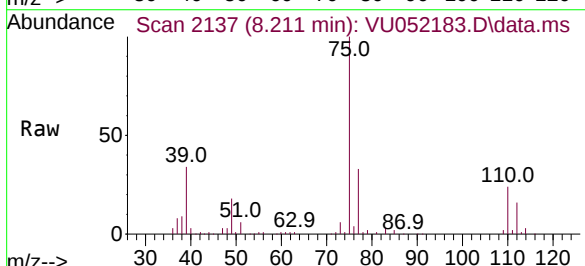
Acq: 06 Dec 2022 10:21

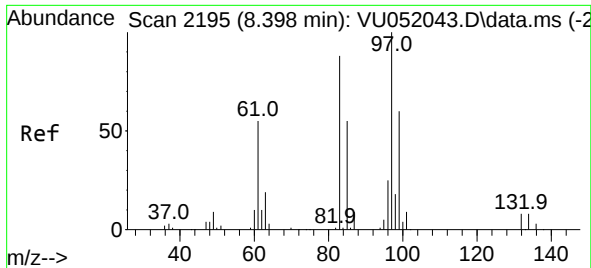
Tgt Ion: 75 Resp: 111875

Ion Ratio Lower Upper

75 100

77 32.6 22.6 42.0

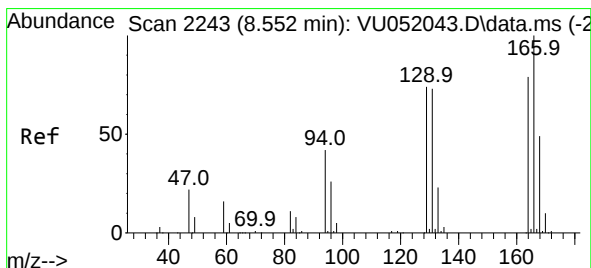
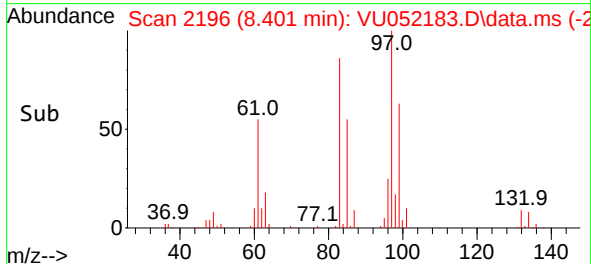
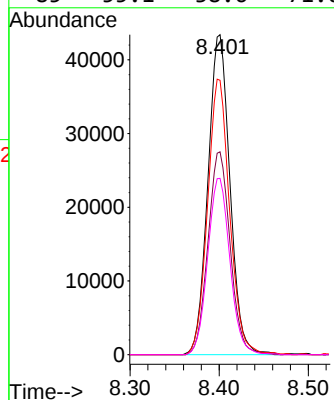
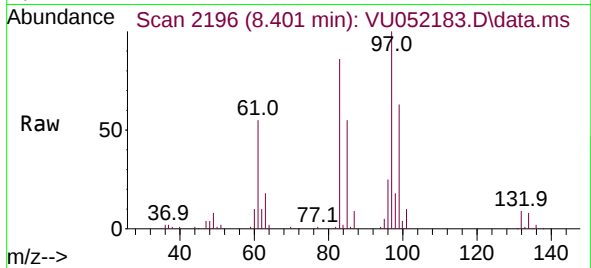




#45
1,1,2-Trichloroethane
Concen: 5.155 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

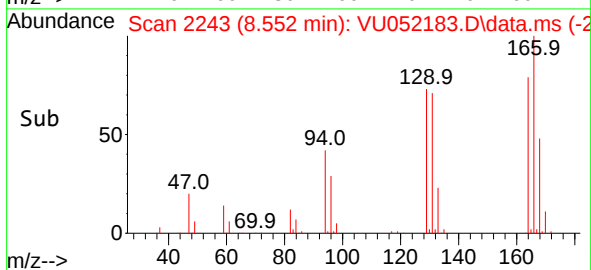
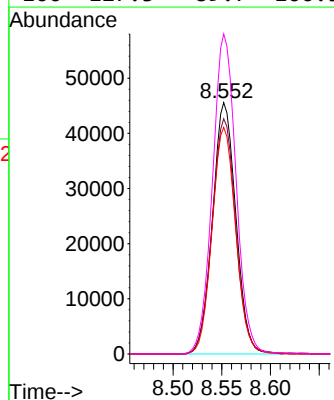
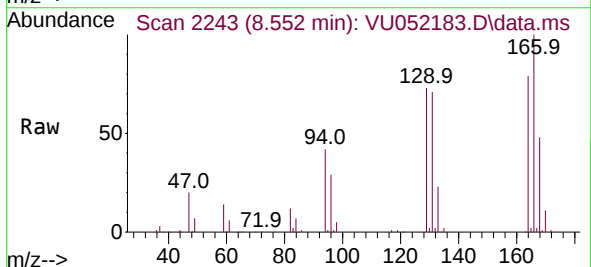
Instrument :
MSVOA_U
ClientSampleId :
VSTD005092

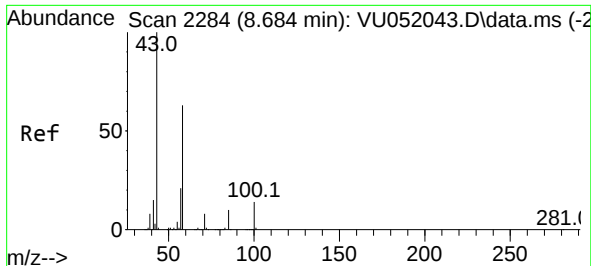
Tgt Ion:	97	Resp:	74474
Ion	Ratio	Lower	Upper
97	100		
99	63.4	42.6	79.2
83	85.7	60.7	112.7
85	55.1	38.6	71.6



#47
Tetrachloroethene
Concen: 5.352 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

Tgt Ion:	164	Resp:	75966
Ion	Ratio	Lower	Upper
164	100		
129	93.6	67.4	125.2
131	90.2	67.1	124.7
166	127.3	89.7	166.5

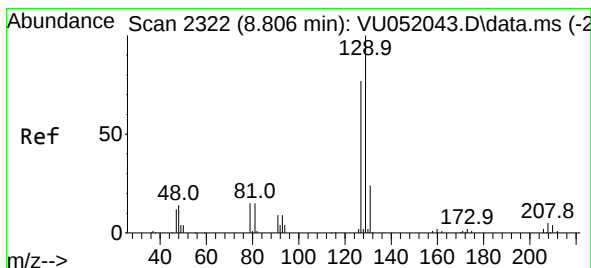
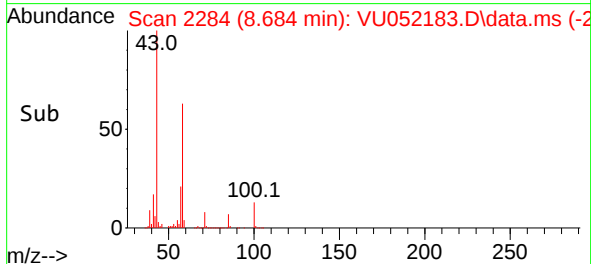
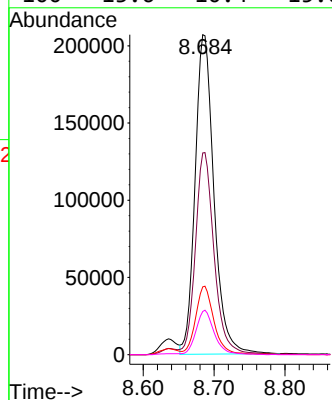
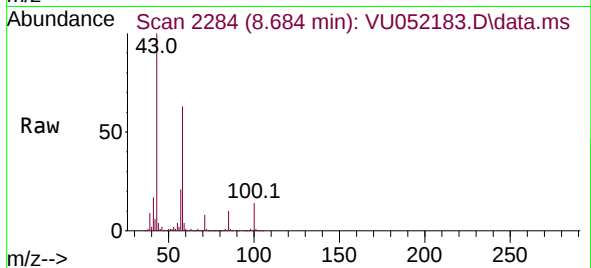




#48
2-Hexanone
Concen: 51.944 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

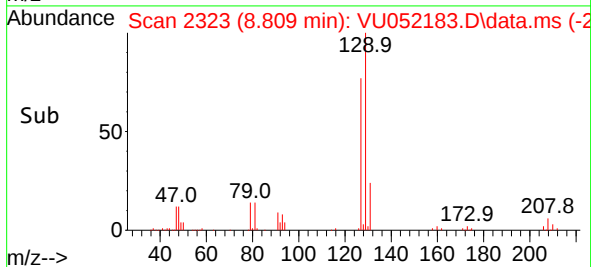
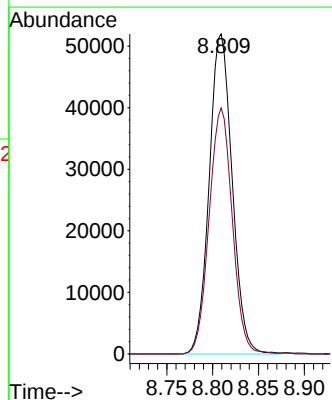
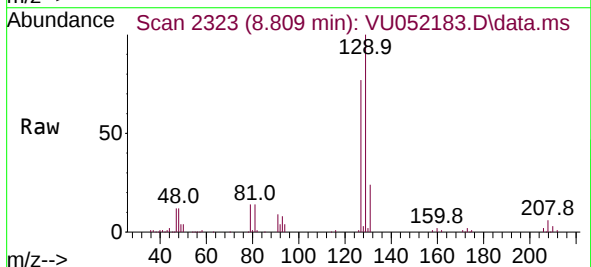
Instrument :
MSVOA_U
ClientSampleId :
VSTD005092

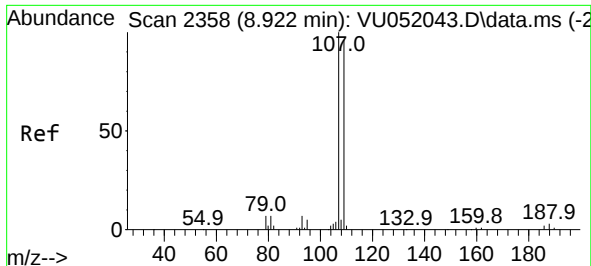
Tgt Ion: 43 Resp: 382413
Ion Ratio Lower Upper
43 100
58 62.5 49.4 74.0
57 20.5 16.3 24.5
100 13.6 10.4 15.6



#49
Dibromochloromethane
Concen: 5.599 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

Tgt Ion: 129 Resp: 90600
Ion Ratio Lower Upper
129 100
127 76.9 52.8 98.2





#50

1,2-Dibromoethane

Concen: 5.298 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU052183.D

Acq: 06 Dec 2022 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005092

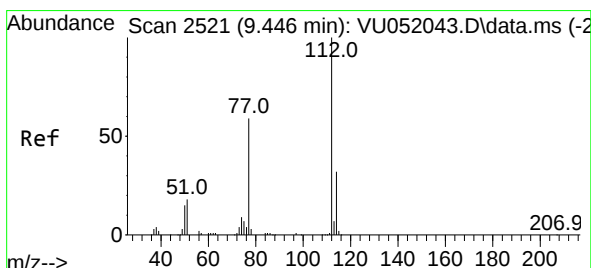
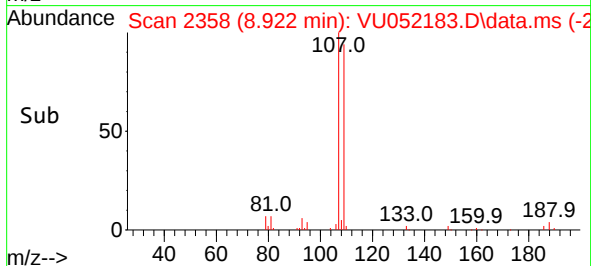
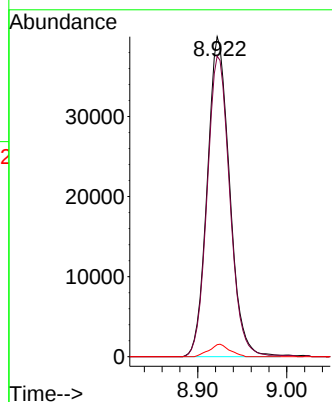
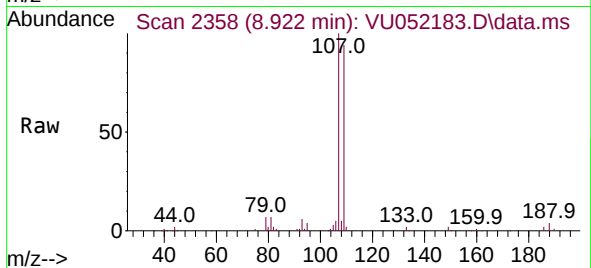
Tgt Ion:107 Resp: 69718

Ion Ratio Lower Upper

107 100

109 94.0 64.9 120.5

188 3.8 2.6 4.0



#51

Chlorobenzene

Concen: 5.164 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU052183.D

Acq: 06 Dec 2022 10:21

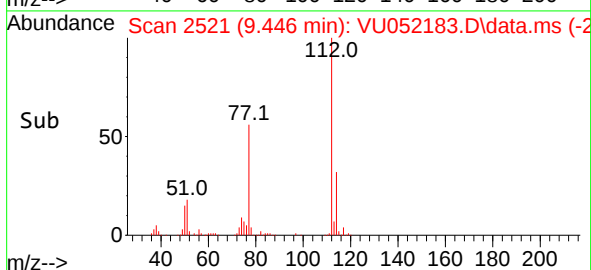
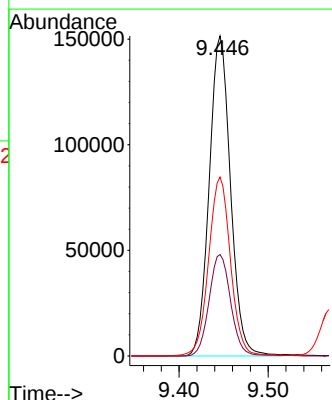
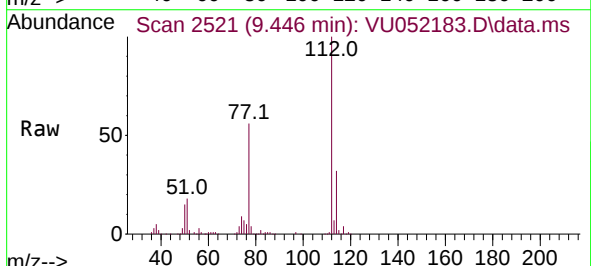
Tgt Ion:112 Resp: 251459

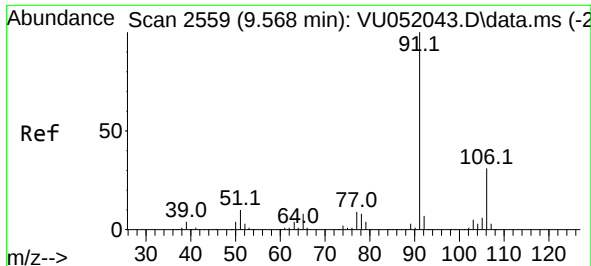
Ion Ratio Lower Upper

112 100

114 31.7 22.2 41.2

77 55.9 46.6 70.0

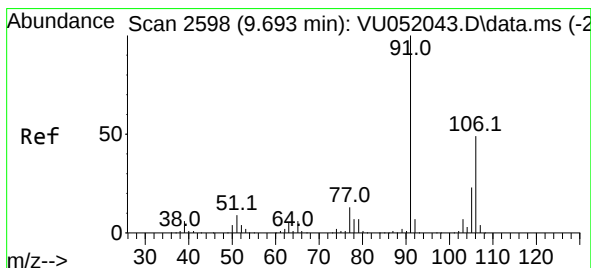
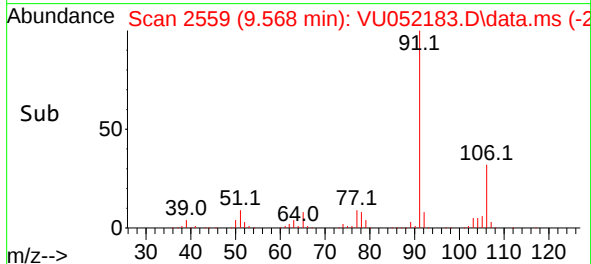
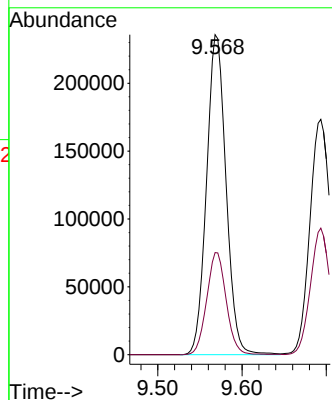
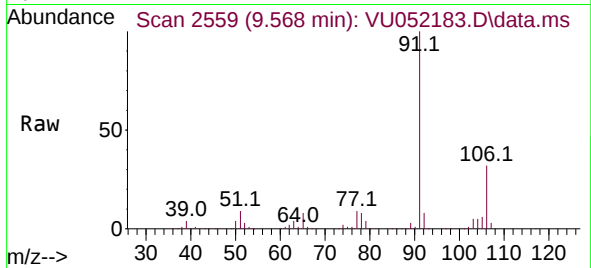




#52
Ethylbenzene
Concen: 5.114 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

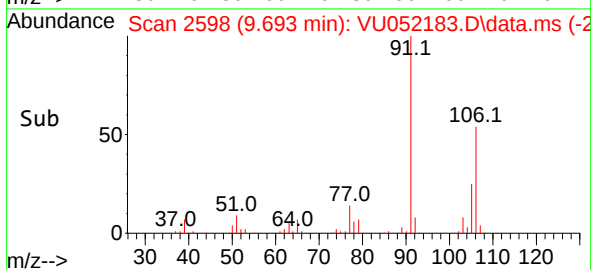
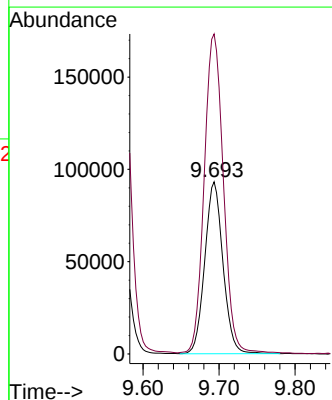
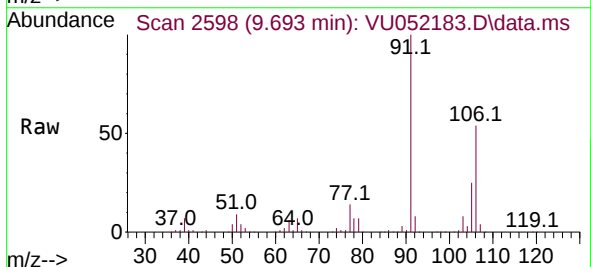
Instrument :
MSVOA_U
ClientSampleId :
VSTD005092

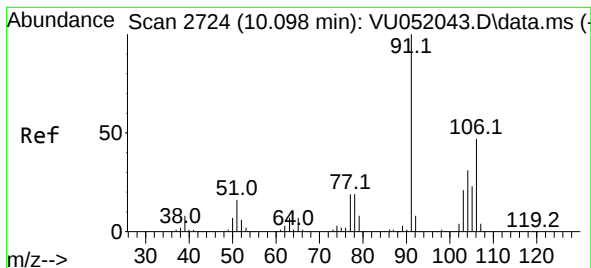
Tgt Ion: 91 Resp: 379752
Ion Ratio Lower Upper
91 100
106 31.9 22.3 41.3



#53
m,p-Xylene
Concen: 5.395 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

Tgt Ion: 106 Resp: 155119
Ion Ratio Lower Upper
106 100
91 185.9 137.7 255.7





#54

o-Xylene

Concen: 5.357 ug/L

RT: 10.099 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU052183.D

Acq: 06 Dec 2022 10:21

Instrument :

MSVOA_U

ClientSampleId :

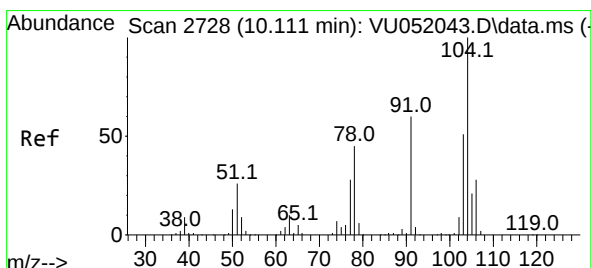
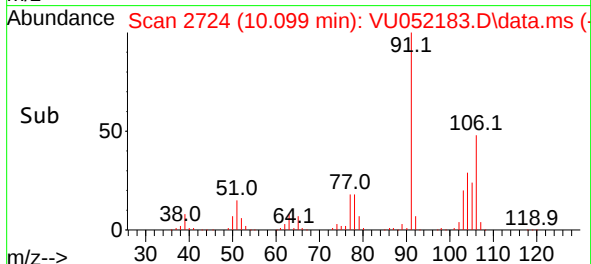
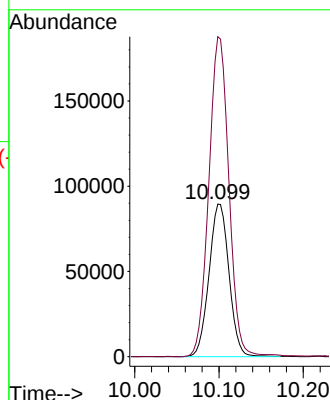
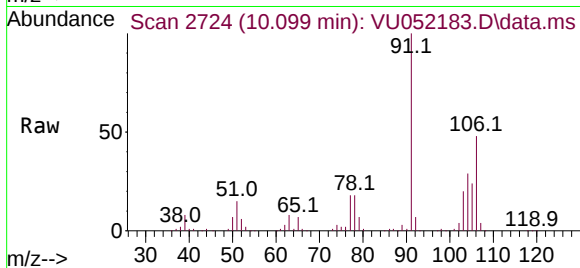
VSTD005092

Tgt Ion:106 Resp: 147637

Ion Ratio Lower Upper

106 100

91 209.5 151.5 281.5



#55

Styrene

Concen: 5.518 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.003 min

Lab File: VU052183.D

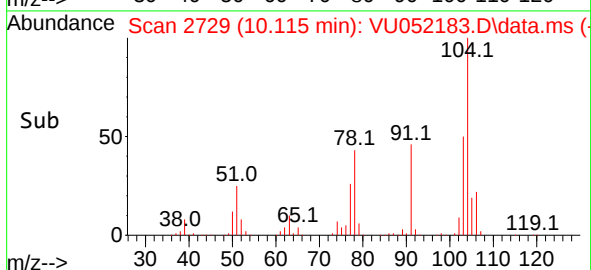
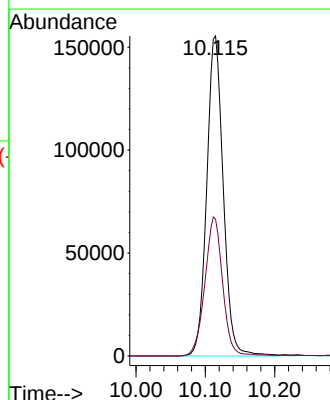
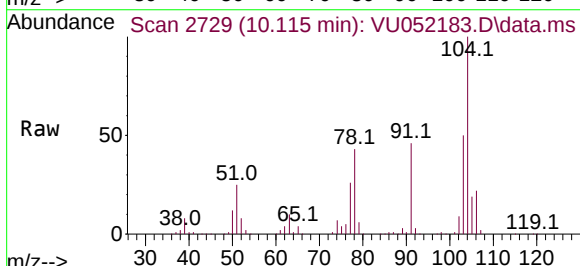
Acq: 06 Dec 2022 10:21

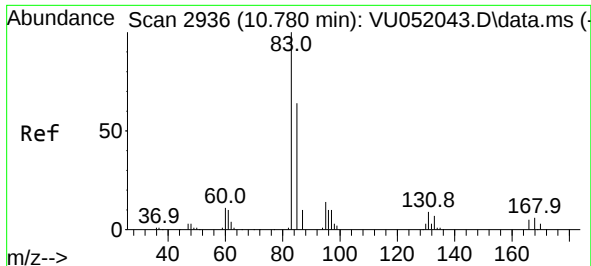
Tgt Ion:104 Resp: 256832

Ion Ratio Lower Upper

104 100

78 42.7 30.6 56.8

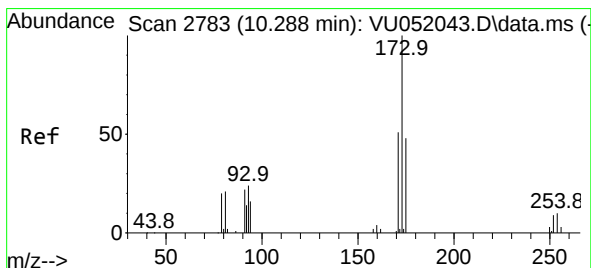
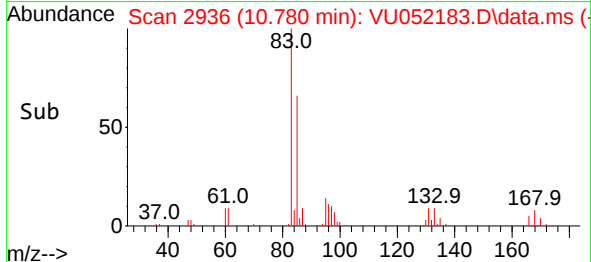
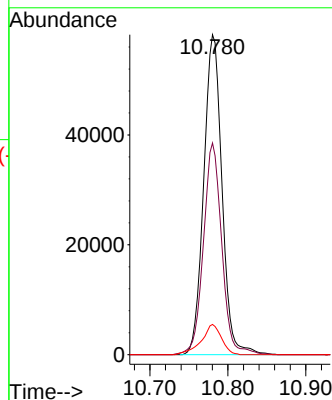
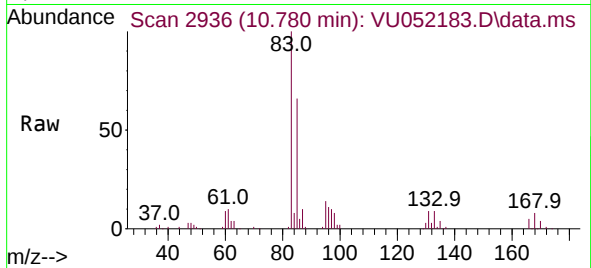




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.256 ug/L
 RT: 10.780 min Scan# 2936
 Delta R.T. 0.000 min
 Lab File: VU052183.D
 Acq: 06 Dec 2022 10:21

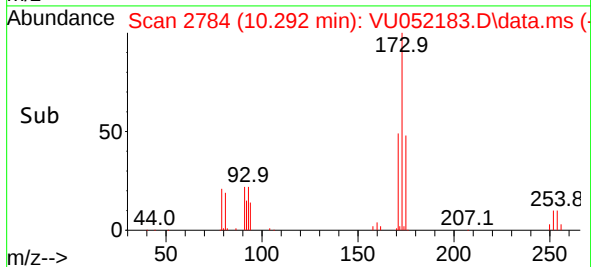
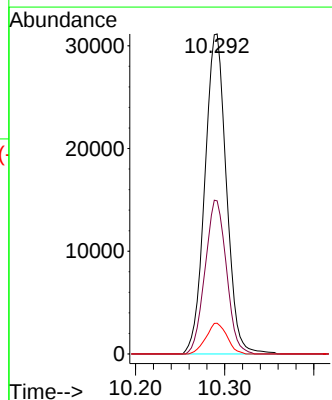
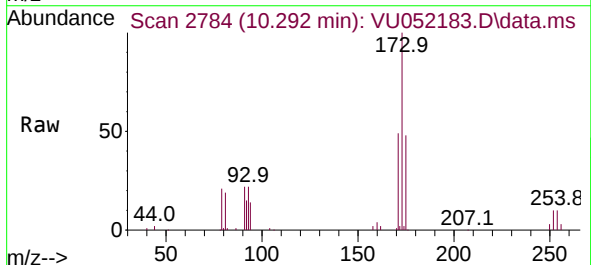
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005092

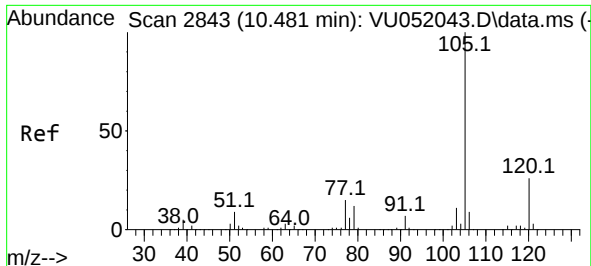
Tgt Ion: 83 Resp: 94831
 Ion Ratio Lower Upper
 83 100
 85 66.1 45.7 84.9
 131 9.4 7.6 11.4



#59
 Bromoform
 Concen: 5.321 ug/L
 RT: 10.292 min Scan# 2784
 Delta R.T. 0.003 min
 Lab File: VU052183.D
 Acq: 06 Dec 2022 10:21

Tgt Ion: 173 Resp: 52123
 Ion Ratio Lower Upper
 173 100
 175 47.7 37.2 55.8
 254 9.4 7.0 10.6

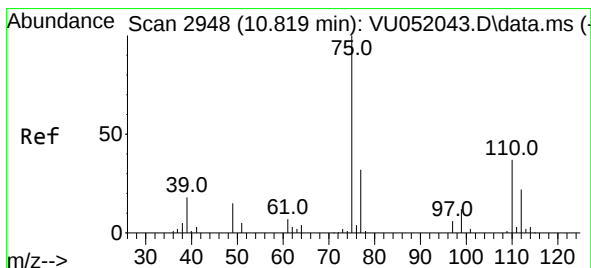
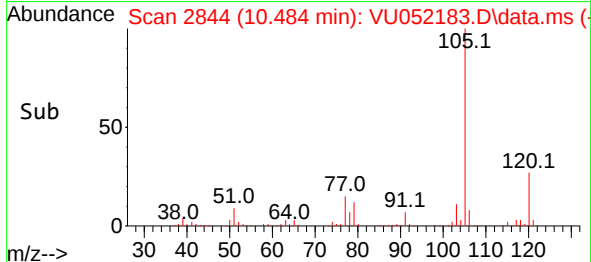
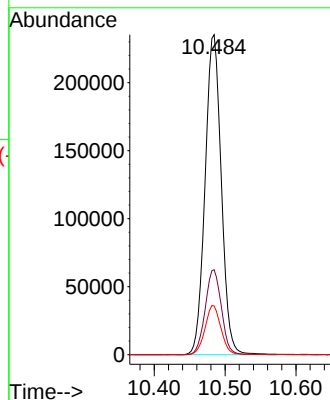
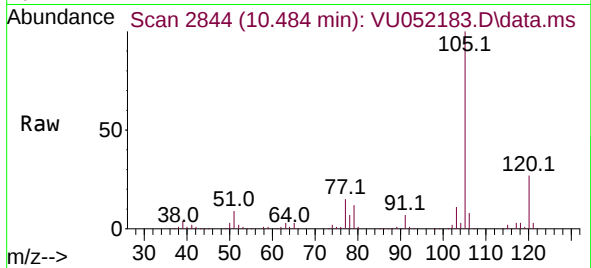




#60
Isopropylbenzene
Concen: 4.999 ug/L
RT: 10.484 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

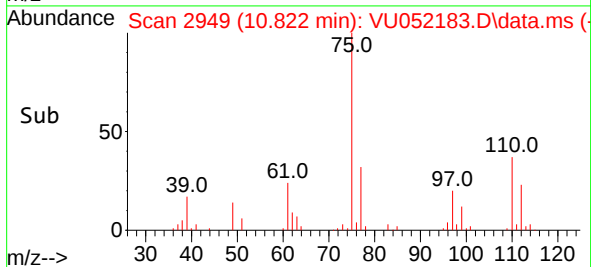
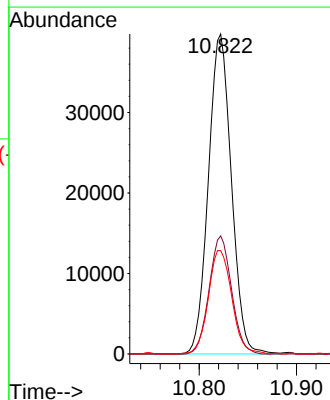
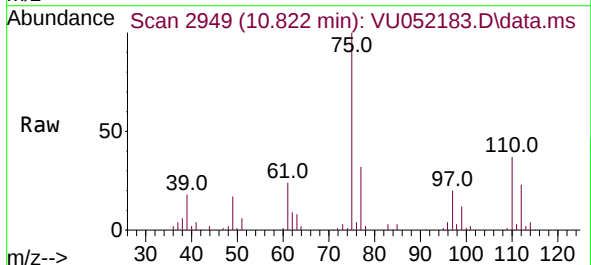
Instrument :
MSVOA_U
ClientSampleId :
VSTD005092

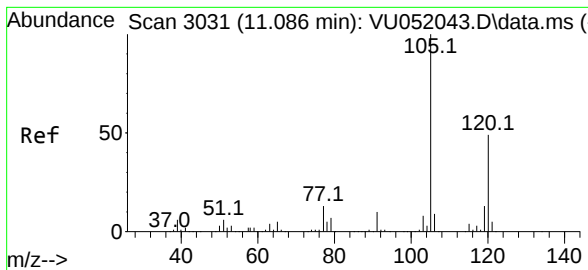
Tgt Ion:105 Resp: 373409
Ion Ratio Lower Upper
105 100
120 26.6 21.0 31.6
77 15.1 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 4.791 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

Tgt Ion: 75 Resp: 65212
Ion Ratio Lower Upper
75 100
110 35.9 28.3 42.5
77 33.1 26.2 39.2

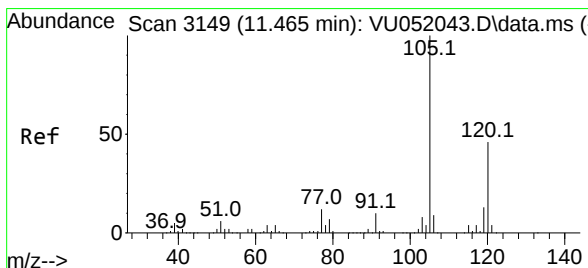
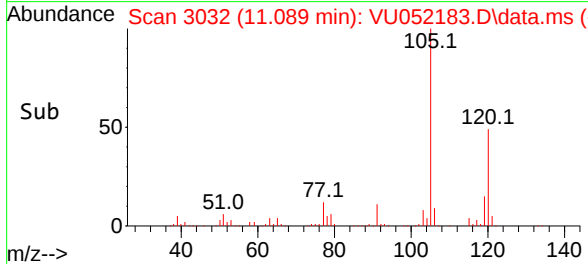
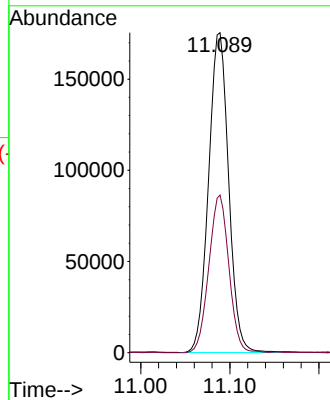
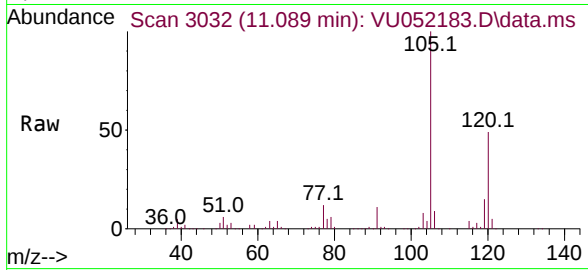




#62
1,3,5-Trimethylbenzene
Concen: 4.582 ug/L
RT: 11.089 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

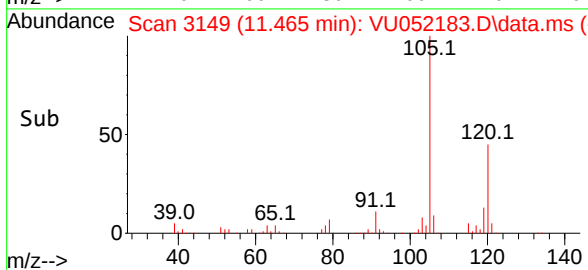
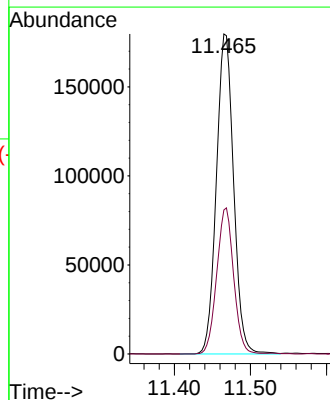
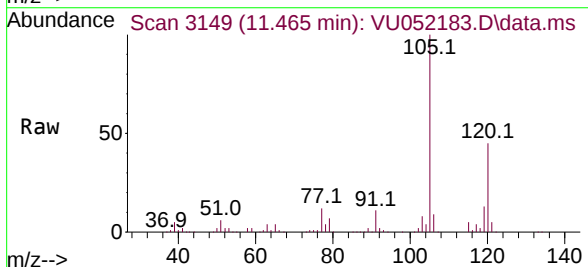
Instrument :
MSVOA_U
ClientSampleId :
VSTD005092

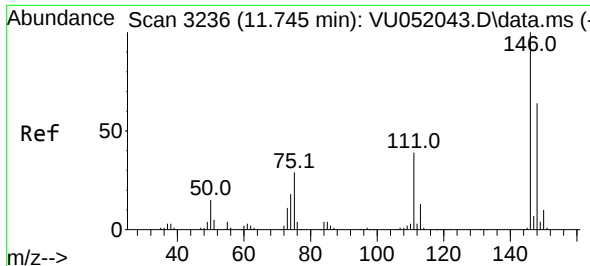
Tgt Ion:105 Resp: 273649
Ion Ratio Lower Upper
105 100
120 49.3 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 4.764 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

Tgt Ion:105 Resp: 282384
Ion Ratio Lower Upper
105 100
120 44.8 36.6 55.0

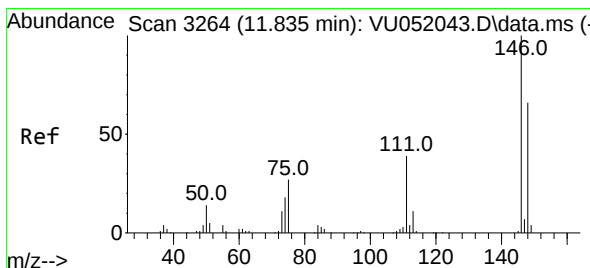
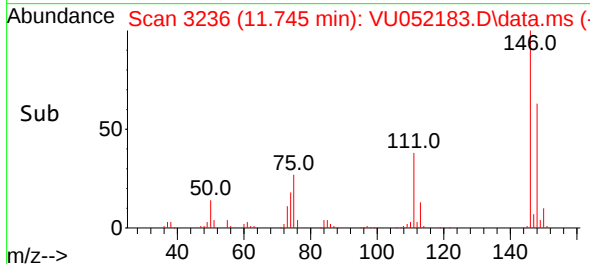
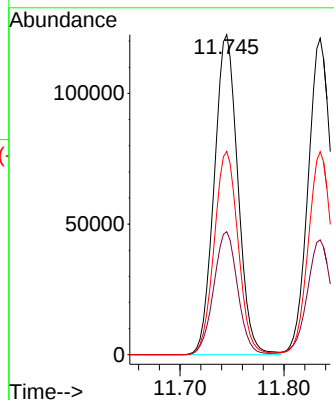
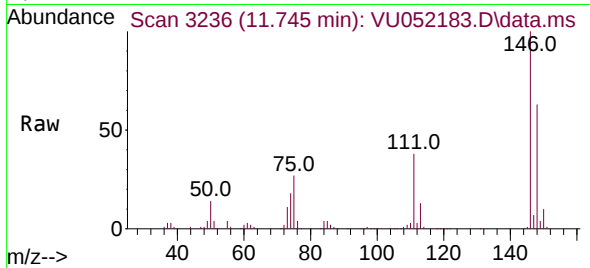




#64
1,3-Dichlorobenzene
Concen: 5.082 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

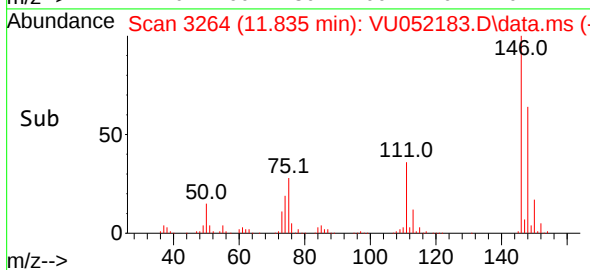
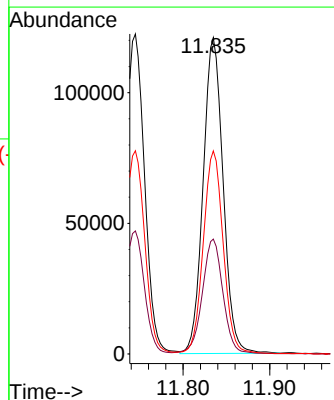
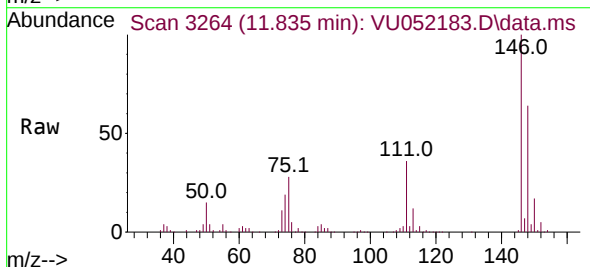
Instrument :
MSVOA_U
ClientSampleId :
VSTD005092

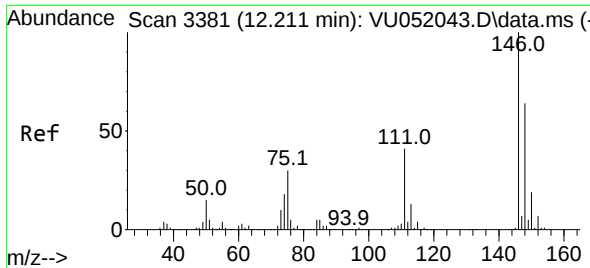
Tgt Ion:146 Resp: 193832
Ion Ratio Lower Upper
146 100
111 38.5 28.6 53.2
148 63.5 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 5.091 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

Tgt Ion:146 Resp: 193658
Ion Ratio Lower Upper
146 100
111 36.3 26.9 50.1
148 64.2 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 5.049 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU052183.D

Acq: 06 Dec 2022 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005092

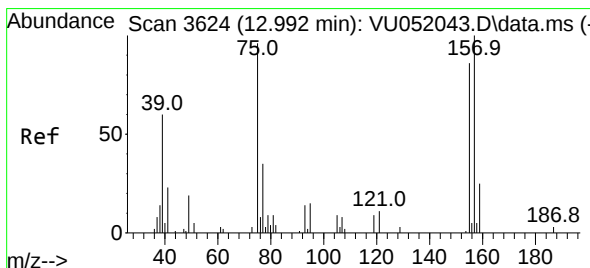
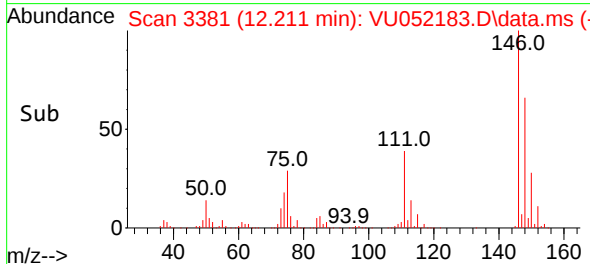
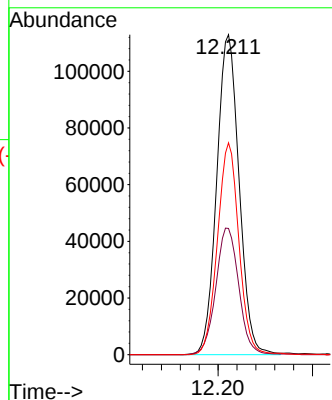
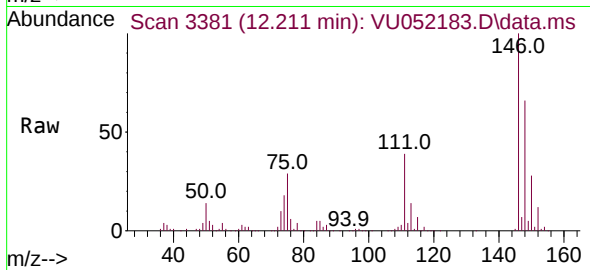
Tgt Ion:146 Resp: 185444

Ion Ratio Lower Upper

146 100

111 39.4 32.7 49.1

148 66.2 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.548 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU052183.D

Acq: 06 Dec 2022 10:21

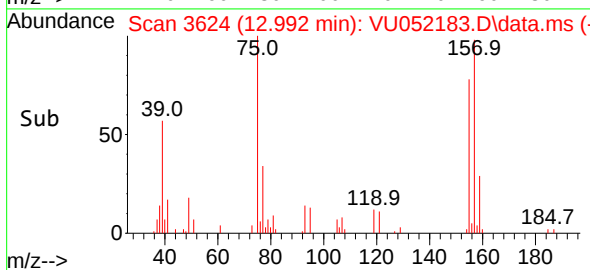
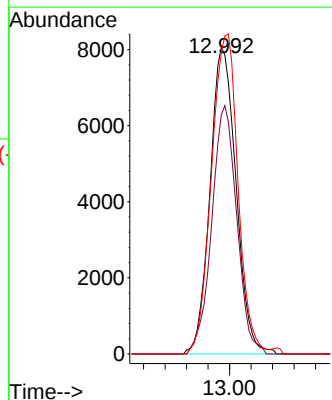
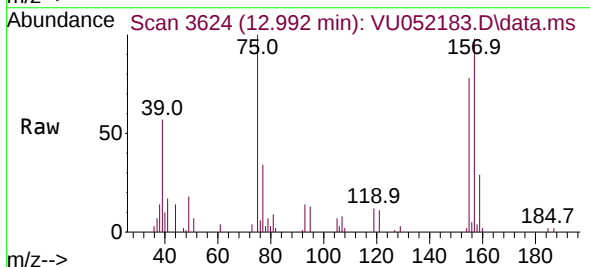
Tgt Ion: 75 Resp: 13548

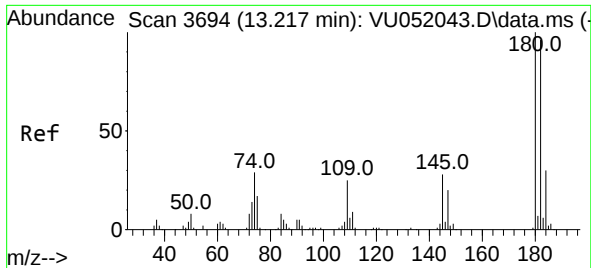
Ion Ratio Lower Upper

75 100

155 78.1 65.4 98.2

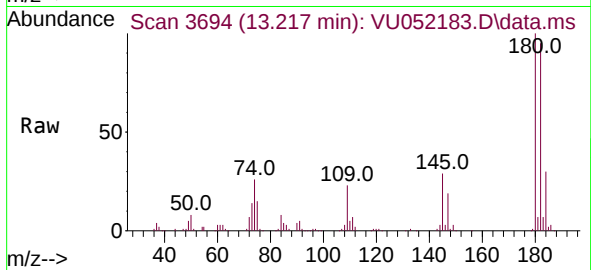
157 98.4 80.5 120.7



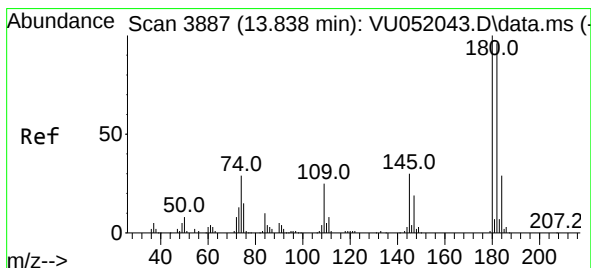
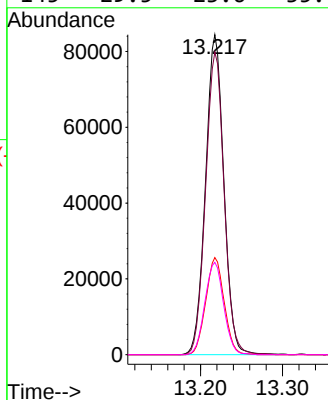
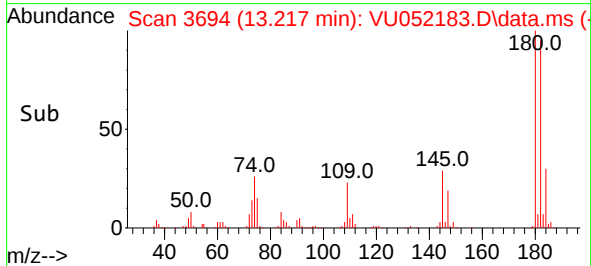


#69
1,3,5-Trichlorobenzene
Concen: 4.862 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. 0.003 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

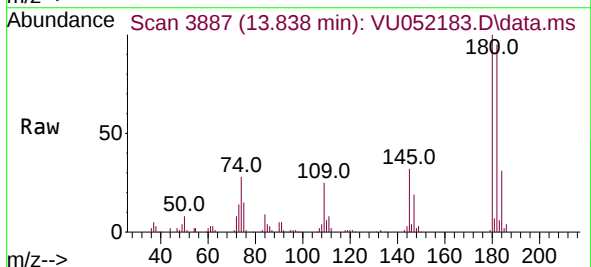
Instrument :
MSVOA_U
ClientSampleId :
VSTD005092



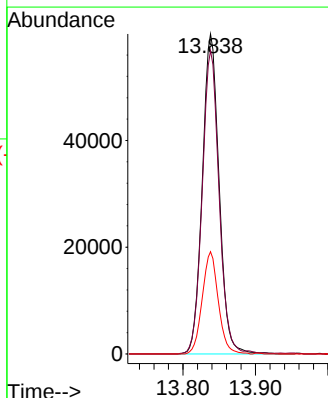
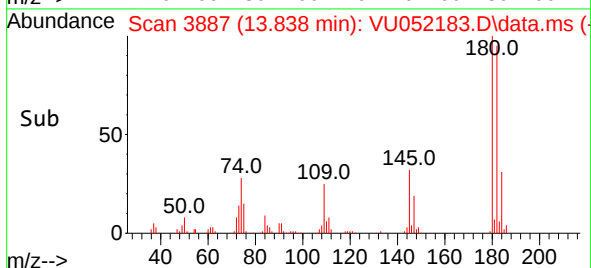
Tgt Ion:180 Resp: 131511
Ion Ratio Lower Upper
180 100
182 95.3 75.7 113.5
184 30.5 24.3 36.5
145 29.5 23.6 35.4

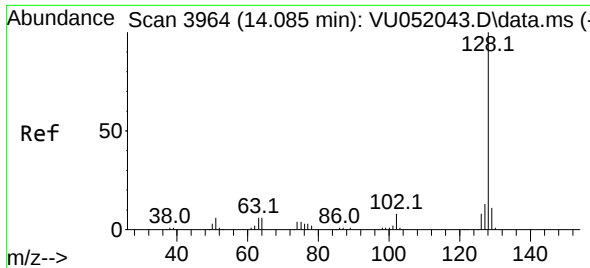


#70
1,2,4-trichlorobenzene
Concen: 4.686 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.000 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21



Tgt Ion:180 Resp: 96522
Ion Ratio Lower Upper
180 100
182 94.6 76.3 114.5
145 30.5 24.6 36.8

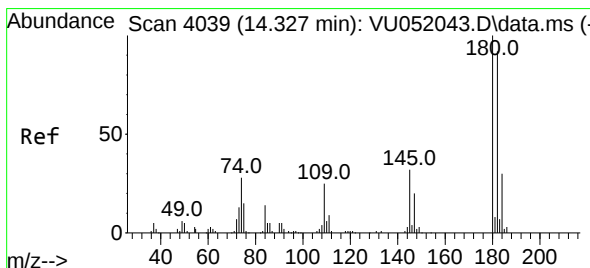
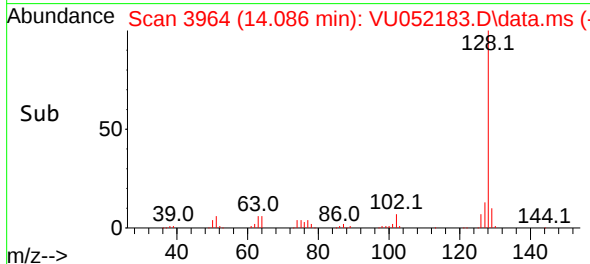
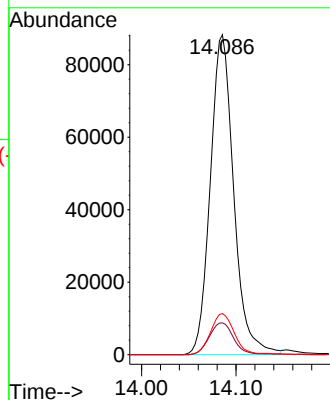
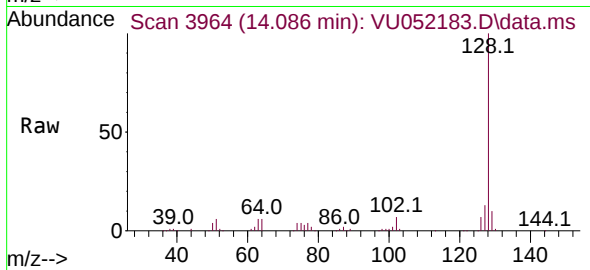




#71
Naphthalene
Concen: 3.929 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD005092

Tgt Ion:128 Resp: 151915
Ion Ratio Lower Upper
128 100
129 10.3 8.3 12.5
127 13.3 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.869 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU052183.D
Acq: 06 Dec 2022 10:21

Tgt Ion:180 Resp: 98668
Ion Ratio Lower Upper
180 100
182 94.5 75.7 113.5
145 31.1 24.5 36.7

