

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053510.D
 Acq On : 03 Apr 2023 10:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050179

Quant Time: Apr 04 02:19:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	280919	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	257119	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	137525	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	107499	49.144	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.280%
7) Chloroethane-d5	1.912	69	84807	50.284	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.560%
11) 1,1-Dichloroethene-d2	2.565	63	168214	49.679	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.360%
21) 2-Butanone-d5	4.617	46	94417	95.336	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.340%
24) Chloroform-d	5.057	84	173349	47.918	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.840%
26) 1,2-Dichloroethane-d4	5.697	65	107558	50.316	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.640%
32) Benzene-d6	5.723	84	348232	50.175	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.360%
36) 1,2-Dichloropropane-d6	6.687	67	111081	52.363	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.720%
41) Toluene-d8	7.893	98	329880	47.822	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.640%
43) trans-1,3-Dichloroprop...	8.176	79	56022	51.161	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.320%
47) 2-Hexanone-d5	8.626	63	77851	107.531	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.530%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	144493	48.327	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.660%
66) 1,2-Dichlorobenzene-d4	12.189	152	136367	47.504	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	122720	53.823	ug/L	99
3) Chloromethane	1.520	50	108281	57.795	ug/L	98
5) Vinyl chloride	1.604	62	123968	57.094	ug/L	100
6) Bromomethane	1.855	94	76769	48.592	ug/L	96
8) Chloroethane	1.932	64	73817	56.525	ug/L	98
9) Trichlorofluoromethane	2.138	101	181893	54.465	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	101844	52.656	ug/L	93
12) 1,1-Dichloroethene	2.578	96	89521	51.934	ug/L	98
13) Acetone	2.623	43	93277	104.801	ug/L	97
14) Carbon disulfide	2.790	76	253729	55.645	ug/L	97
15) Methyl Acetate	2.945	43	72573	53.234	ug/L	96
16) Methylene chloride	3.044	84	96445	49.779	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	91656	52.908	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	279655	55.383	ug/L	99
19) 1,1-Dichloroethane	3.864	63	161916	56.424	ug/L	96
20) cis-1,2-Dichloroethene	4.662	96	102308	51.130	ug/L	90
22) 2-Butanone	4.697	43	111524	103.428	ug/L	92
23) Bromochloromethane	4.970	128	55367	49.676	ug/L	93
25) Chloroform	5.083	83	178185	54.137	ug/L	98

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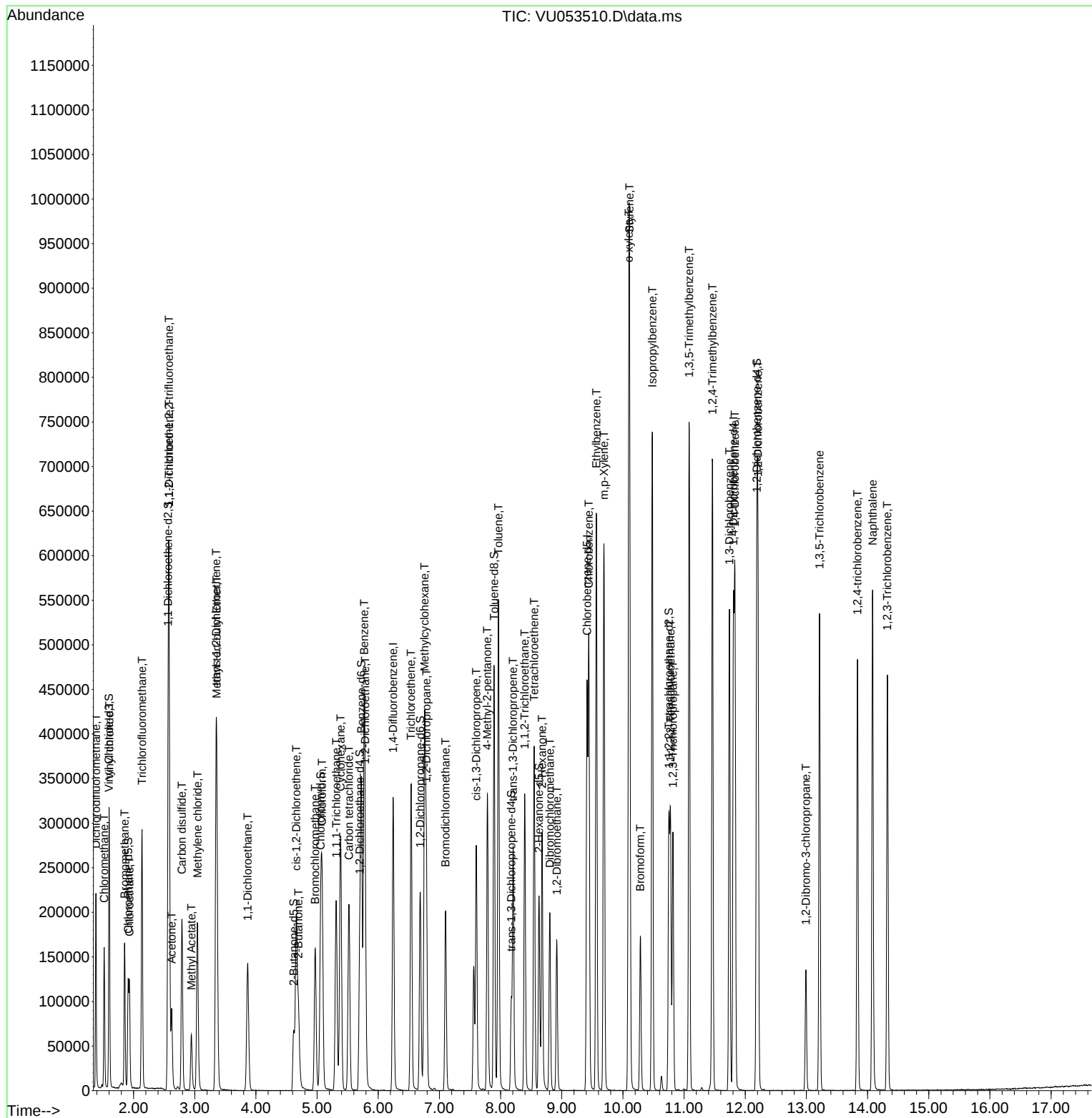
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	130034	53.946	ug/L	99
29) Cyclohexane	5.385	56	146968	59.375	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	156630	55.285	ug/L	98
31) Carbon tetrachloride	5.520	117	141192	55.624	ug/L	98
33) Benzene	5.771	78	377645	56.373	ug/L	100
34) Trichloroethene	6.536	95	112270	55.411	ug/L	97
35) Methylcyclohexane	6.758	83	179319	60.209	ug/L	100
37) 1,2-Dichloropropane	6.787	63	100198	58.905	ug/L	98
38) Bromodichloromethane	7.099	83	128359	56.565	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	168673	60.681	ug/L	100
40) 4-Methyl-2-pentanone	7.784	43	204042	110.384	ug/L	99
42) Toluene	7.964	91	416427	54.853	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	152647	58.090	ug/L	97
45) 1,1,2-Trichloroethane	8.395	97	100872	54.012	ug/L	97
46) Tetrachloroethene	8.549	164	86107	51.213	ug/L	95
48) 2-Hexanone	8.677	43	167152	111.788	ug/L	98
49) Dibromochloromethane	8.806	129	106363	54.773	ug/L	99
50) 1,2-Dibromoethane	8.919	107	111937	53.573	ug/L	99
51) Chlorobenzene	9.443	112	276898	52.937	ug/L	97
52) Ethylbenzene	9.565	91	468602	55.449	ug/L	99
53) m,p-Xylene	9.690	106	185768	56.205	ug/L	99
54) o-xylene	10.095	106	182757	55.926	ug/L	94
55) Styrene	10.108	104	303223	56.968	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	148837	54.280	ug/L	97
59) Bromoform	10.285	173	76988	54.692	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	120686	60.522	ug/L	98
61) Isopropylbenzene	10.481	105	486031	59.776	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	411724	60.914	ug/L	98
63) 1,2,4-Trimethylbenzene	11.462	105	395311	59.050	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	224452	52.830	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	224715	51.896	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	230114	54.344	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	32407	60.962	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	162348	51.602	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	145601	49.916	ug/L	99
71) Naphthalene	14.082	128	461661	52.877	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	142089	48.769	ug/L	99

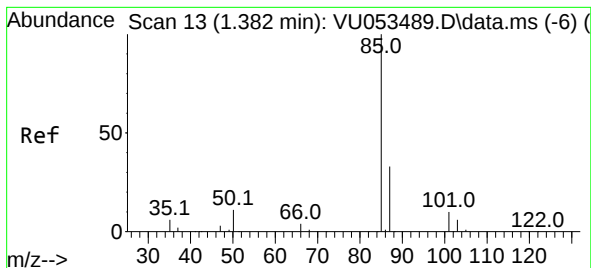
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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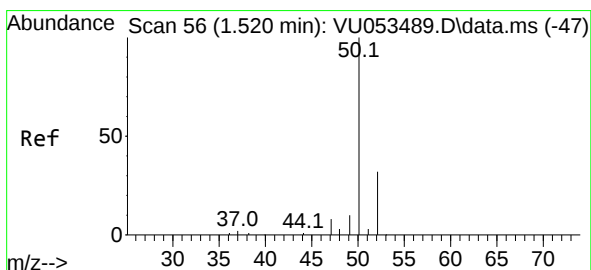
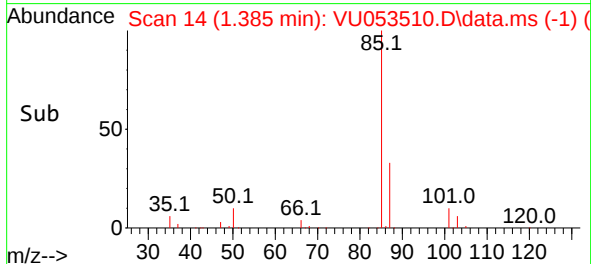
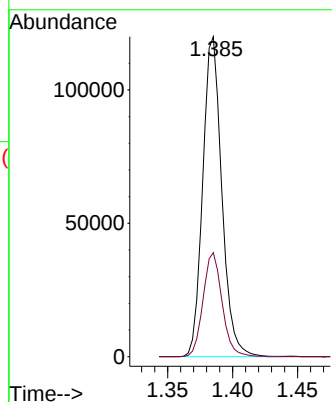
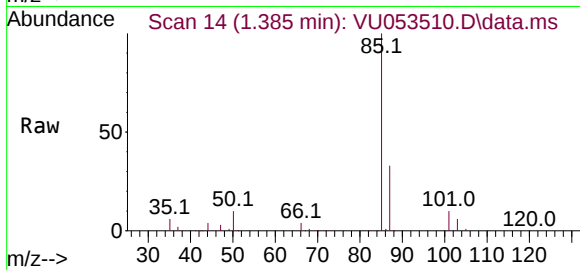




#2
Dichlorodifluoromethane
Concen: 53.823 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

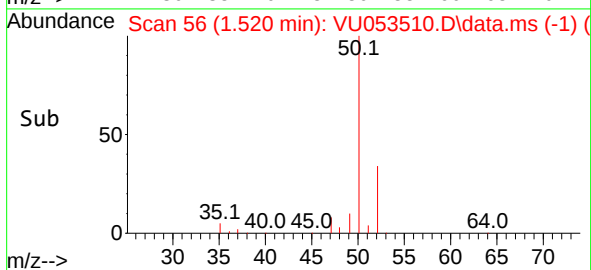
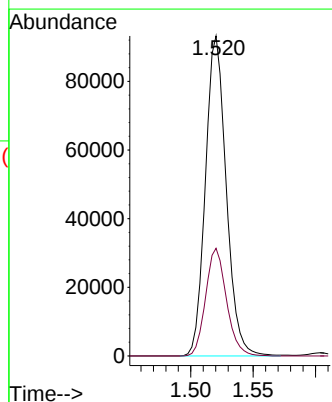
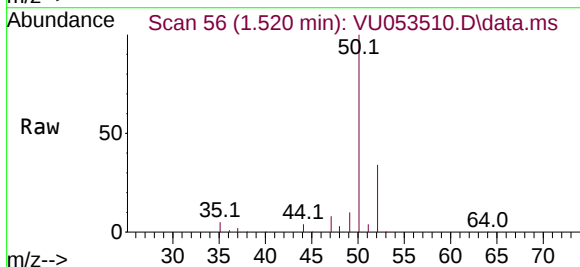
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MSVOA_U
ClientSampleId :
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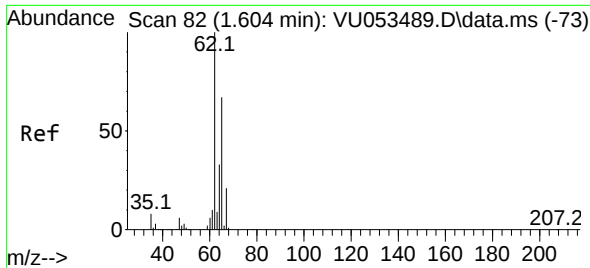
Tgt Ion: 85 Resp: 122720
Ion Ratio Lower Upper
85 100
87 32.4 26.4 39.6



#3
Chloromethane
Concen: 57.795 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Tgt Ion: 50 Resp: 108281
Ion Ratio Lower Upper
50 100
52 33.6 22.7 42.1

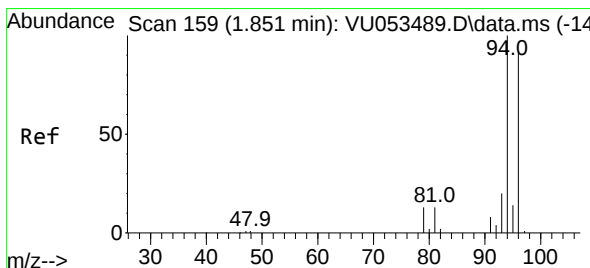
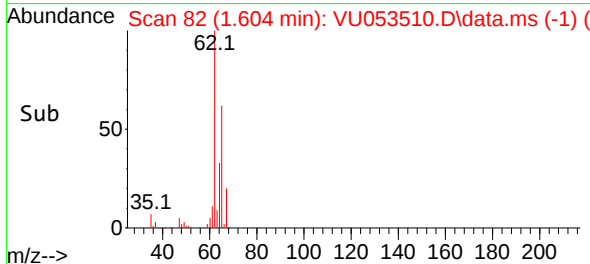
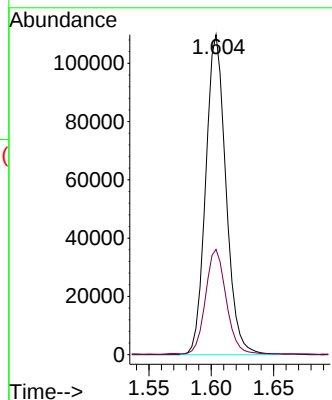
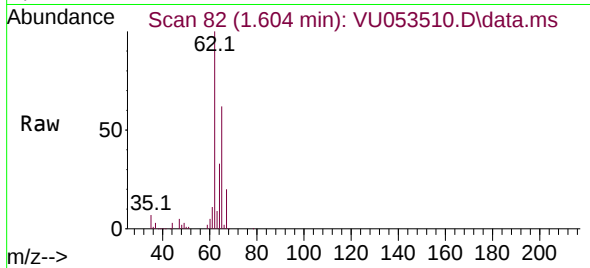




#5
 Vinyl chloride
 Concen: 57.094 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053510.D
 Acq: 03 Apr 2023 10:53

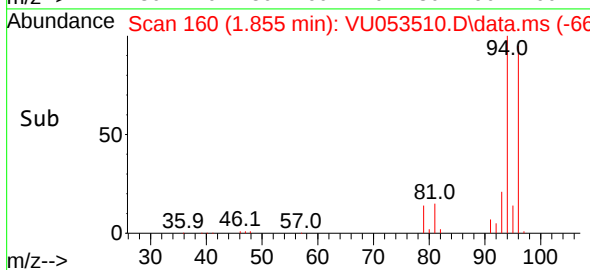
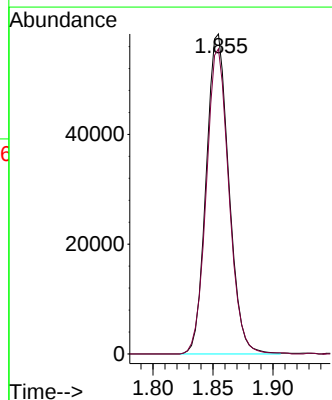
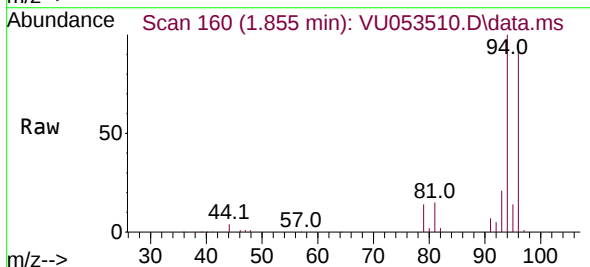
Instrument :
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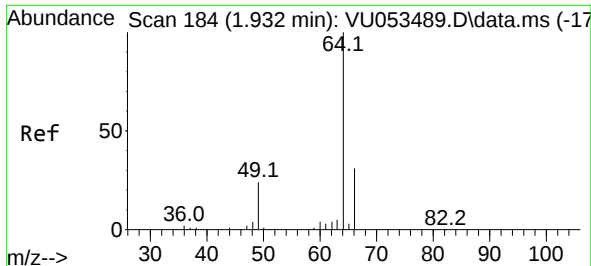
Tgt Ion: 62 Resp: 123968
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.2 43.0



#6
 Bromomethane
 Concen: 48.592 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. 0.003 min
 Lab File: VU053510.D
 Acq: 03 Apr 2023 10:53

Tgt Ion: 94 Resp: 76769
 Ion Ratio Lower Upper
 94 100
 96 95.3 64.4 119.6

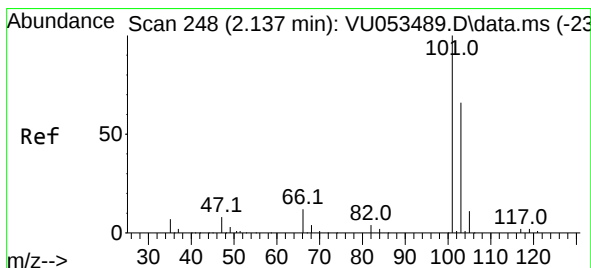
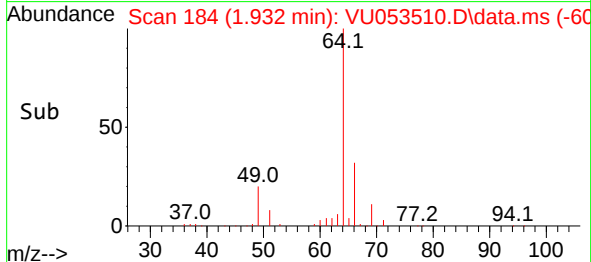
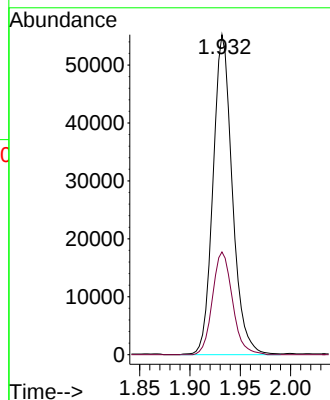
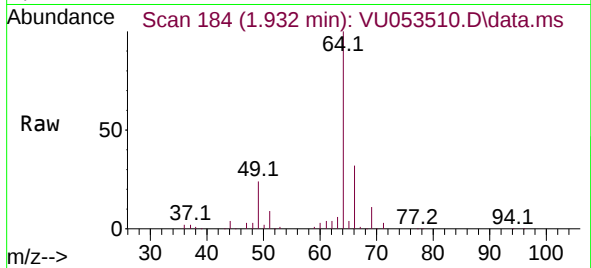




#8
Chloroethane
Concen: 56.525 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

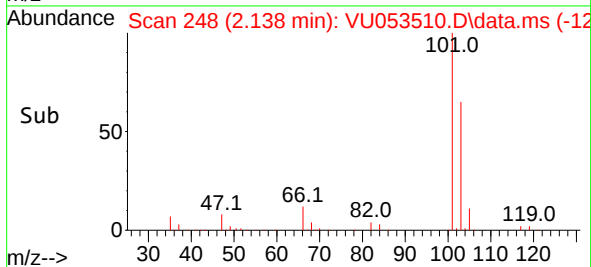
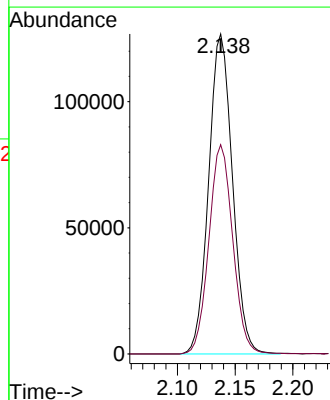
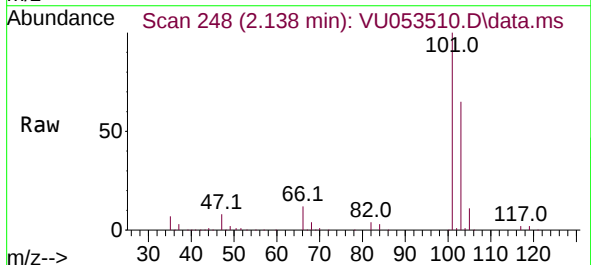
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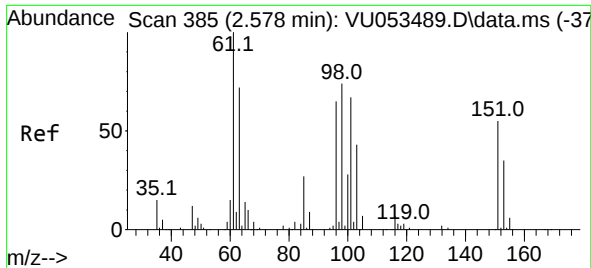
Tgt Ion: 64 Resp: 73817
Ion Ratio Lower Upper
64 100
66 32.1 21.8 40.6



#9
Trichlorofluoromethane
Concen: 54.465 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Tgt Ion: 101 Resp: 181893
Ion Ratio Lower Upper
101 100
103 65.6 52.5 78.7

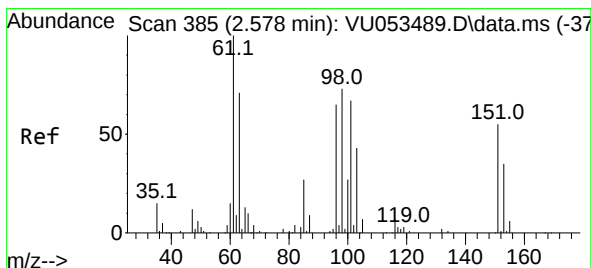
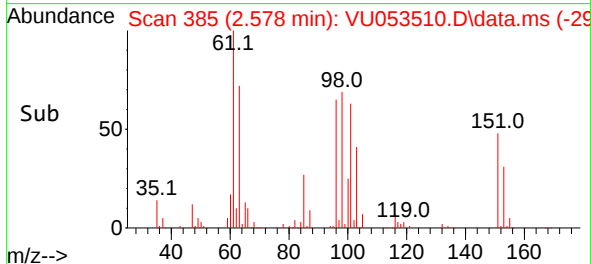
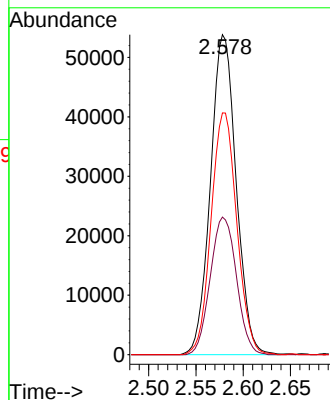
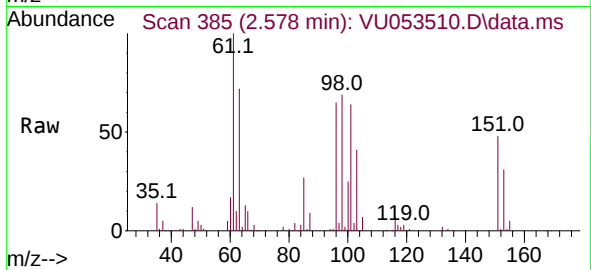




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 52.656 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053510.D
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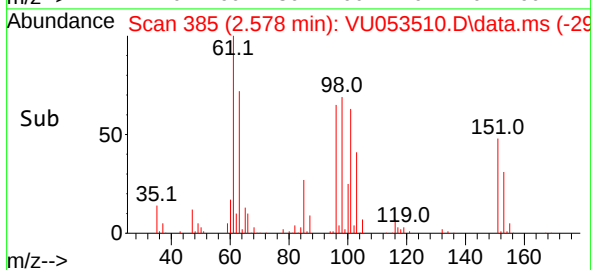
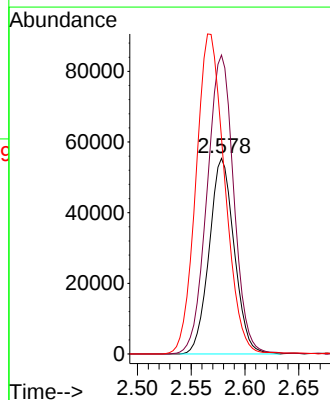
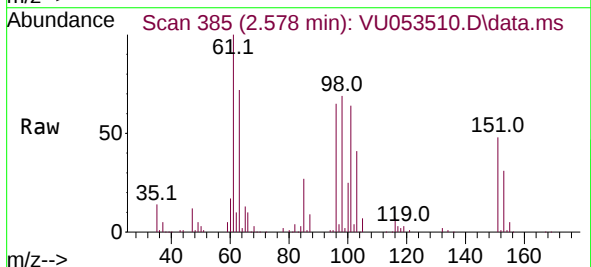
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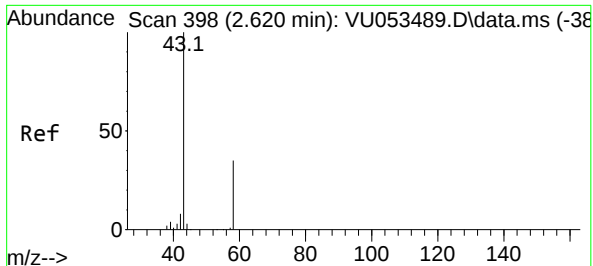
Tgt Ion:101 Resp: 101844
 Ion Ratio Lower Upper
 101 100
 85 43.8 32.6 48.8
 151 75.7 65.8 98.6



#12
 1,1-Dichloroethene
 Concen: 51.934 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053510.D
 Acq: 03 Apr 2023 10:53

Tgt Ion: 96 Resp: 89521
 Ion Ratio Lower Upper
 96 100
 61 152.8 107.9 200.5
 63 110.6 79.1 146.9





#13

Acetone

Concen: 104.801 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU053510.D

Acq: 03 Apr 2023 10:53

Instrument :

MSVOA_U

ClientSampleId :

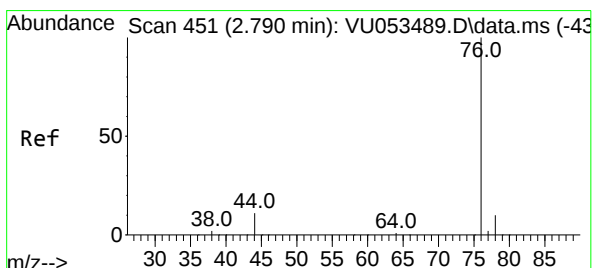
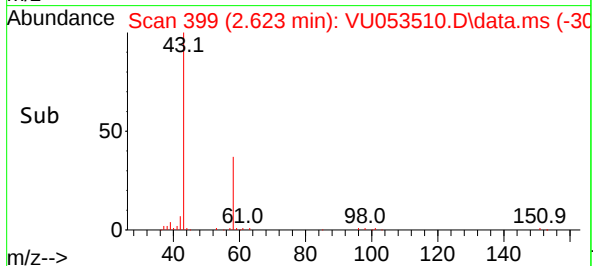
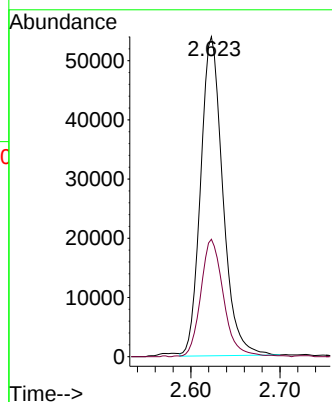
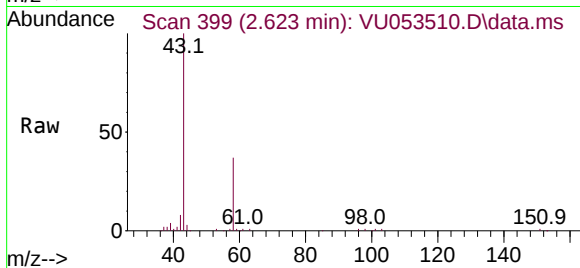
VSTD050179

Tgt Ion: 43 Resp: 93277

Ion Ratio Lower Upper

43 100

58 37.0 0.0 70.2



#14

Carbon disulfide

Concen: 55.645 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

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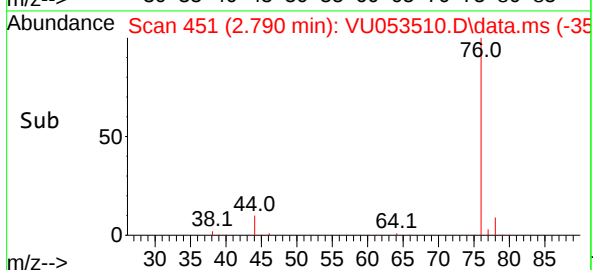
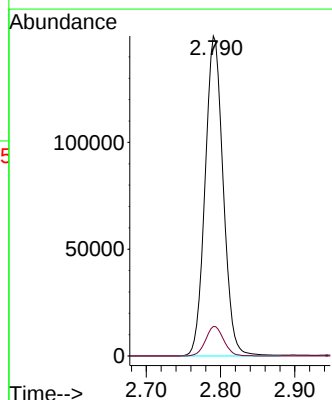
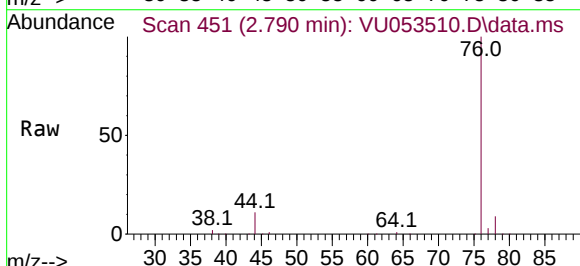
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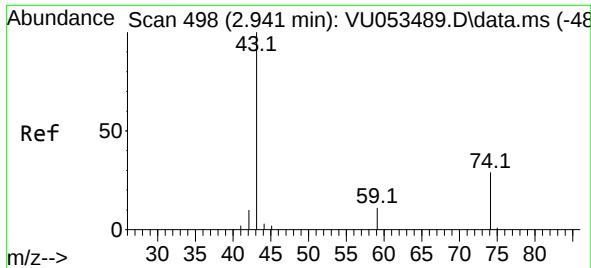
Tgt Ion: 76 Resp: 253729

Ion Ratio Lower Upper

76 100

78 9.2 8.2 12.2

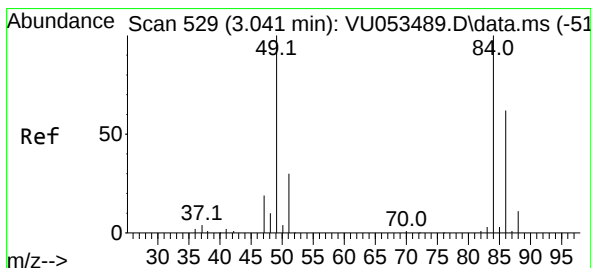
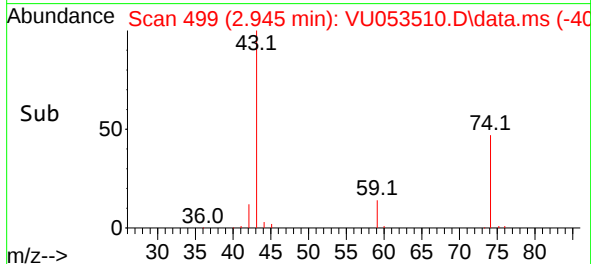
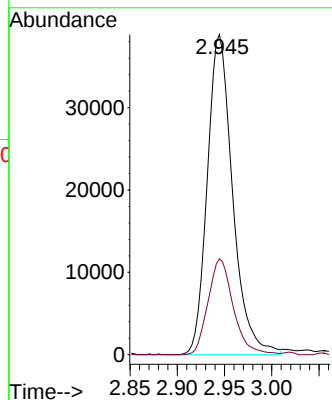
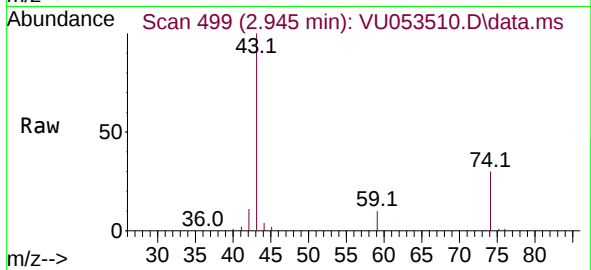




#15
Methyl Acetate
Concen: 53.234 ug/L
RT: 2.945 min Scan# 498
Delta R.T. 0.003 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

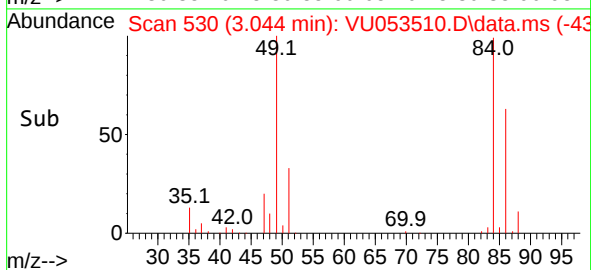
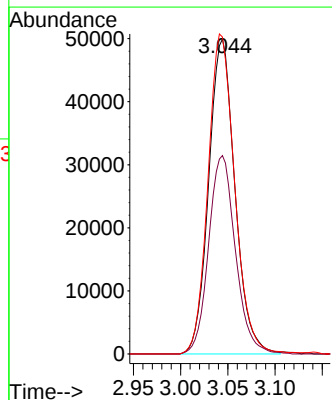
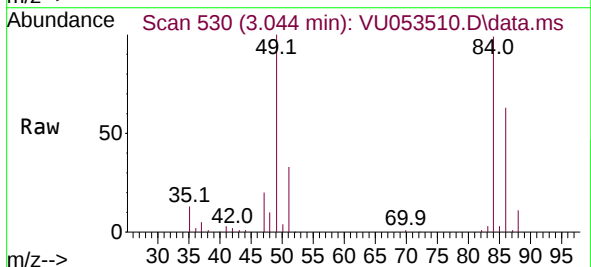
Instrument :
MSVOA_U
ClientSampleId :
VSTD050179

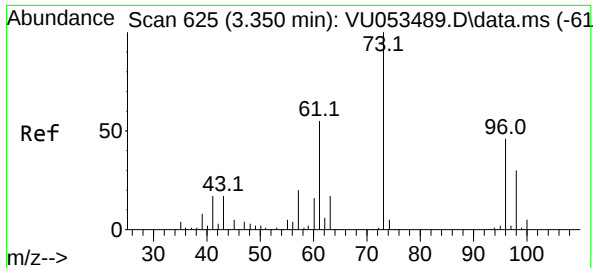
Tgt Ion: 43 Resp: 72573
Ion Ratio Lower Upper
43 100
74 29.7 22.0 33.0



#16
Methylene chloride
Concen: 49.779 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Tgt Ion: 84 Resp: 96445
Ion Ratio Lower Upper
84 100
86 63.0 43.5 80.9
49 100.6 69.7 129.5

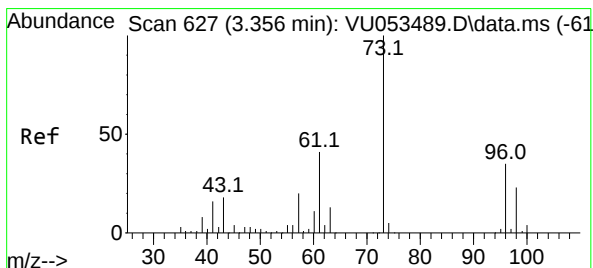
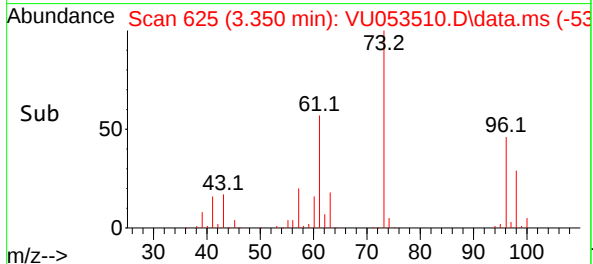
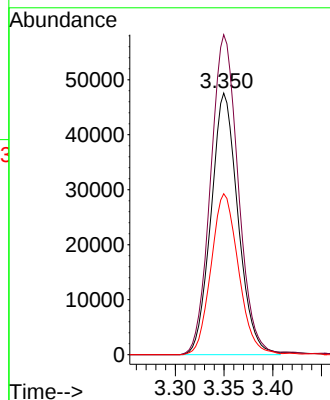
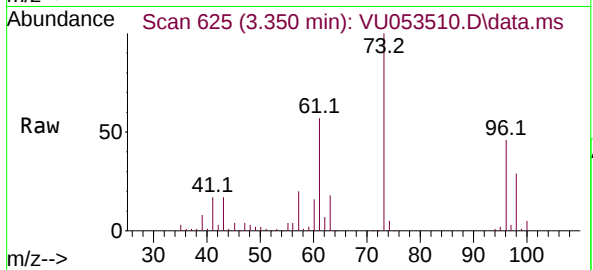




#17
 trans-1,2-Dichloroethene
 Concen: 52.908 ug/L
 RT: 3.350 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VU053510.D
 Acq: 03 Apr 2023 10:53

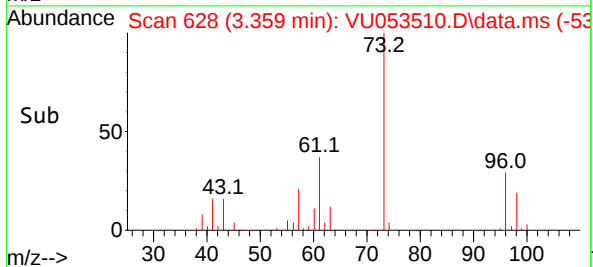
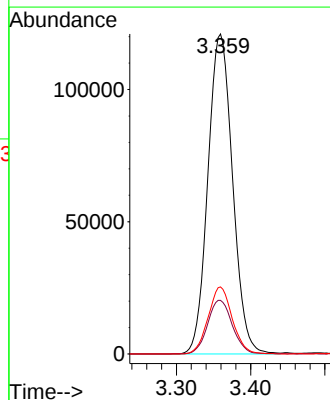
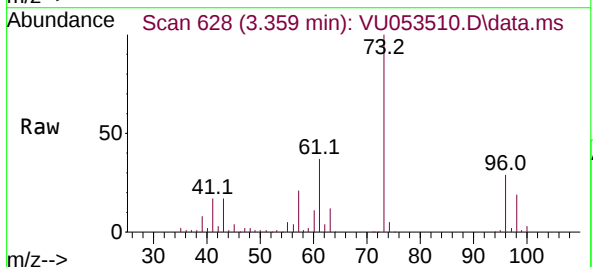
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050179

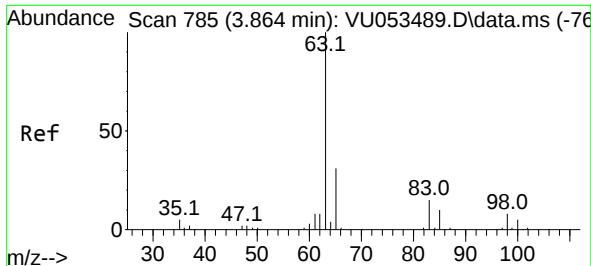
Tgt Ion: 96 Resp: 91656
 Ion Ratio Lower Upper
 96 100
 61 122.3 84.4 156.8
 98 61.5 46.0 85.4



#18
 Methyl tert-butyl Ether
 Concen: 55.383 ug/L
 RT: 3.359 min Scan# 628
 Delta R.T. 0.003 min
 Lab File: VU053510.D
 Acq: 03 Apr 2023 10:53

Tgt Ion: 73 Resp: 279655
 Ion Ratio Lower Upper
 73 100
 43 16.7 13.8 20.8
 57 20.4 15.9 23.9

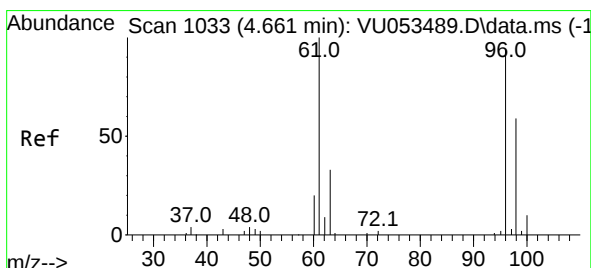
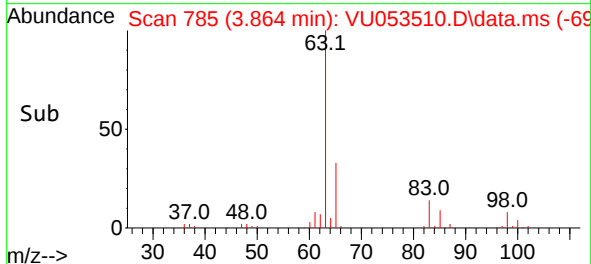
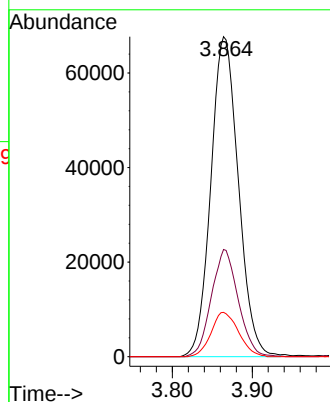
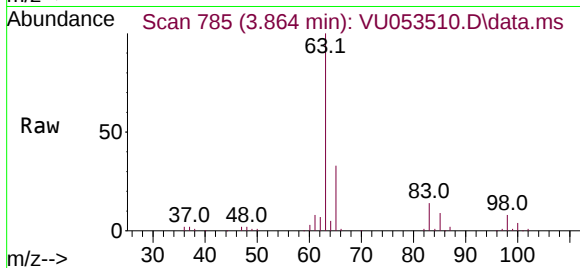




#19
1,1-Dichloroethane
Concen: 56.424 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

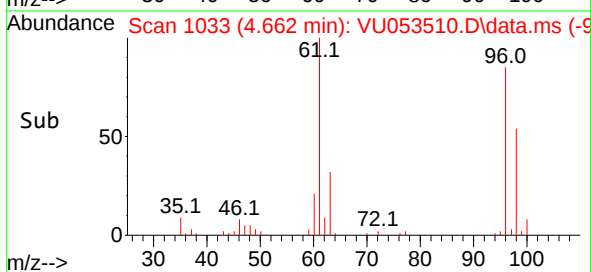
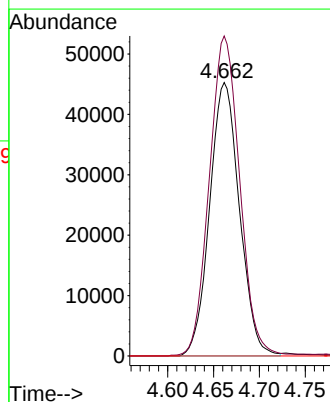
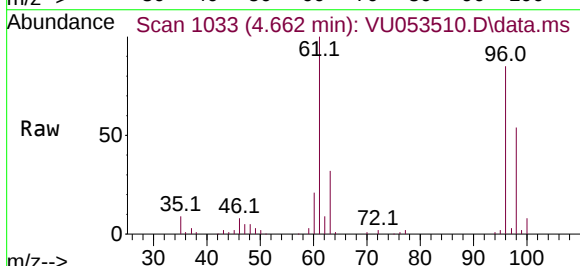
Instrument :
MSVOA_U
ClientSampleId :
VSTD050179

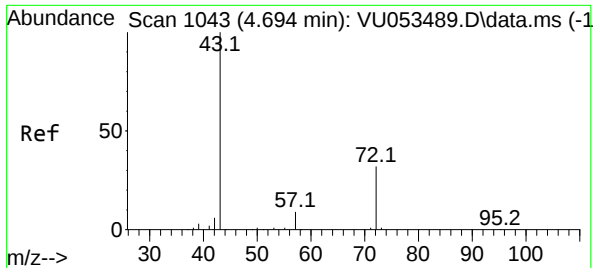
Tgt Ion: 63 Resp: 161916
Ion Ratio Lower Upper
63 100
65 33.5 22.0 41.0
83 13.9 10.8 20.0



#20
cis-1,2-Dichloroethene
Concen: 51.130 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Tgt Ion: 96 Resp: 102308
Ion Ratio Lower Upper
96 100
61 117.0 74.7 138.7
68 0.0 0.0 0.0

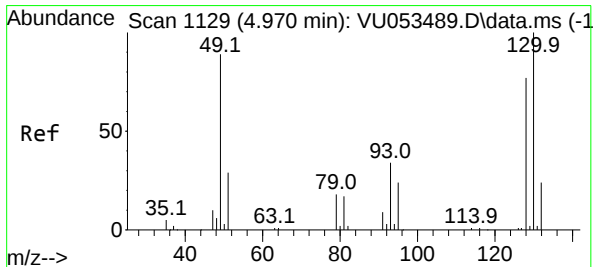
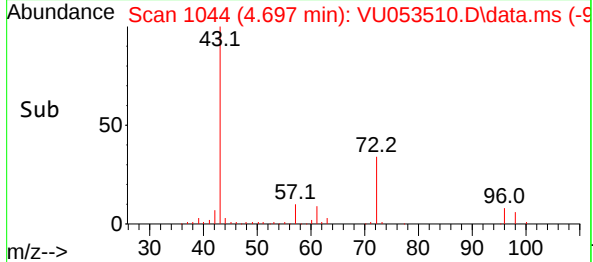
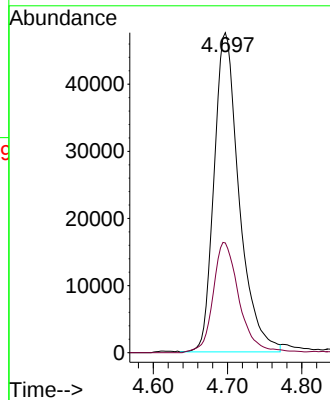
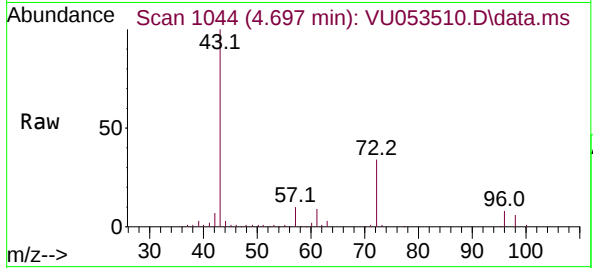




#22
2-Butanone
Concen: 103.428 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. 0.003 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

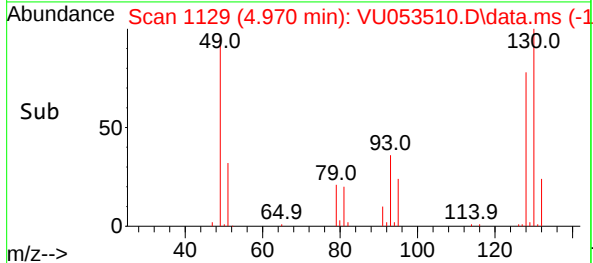
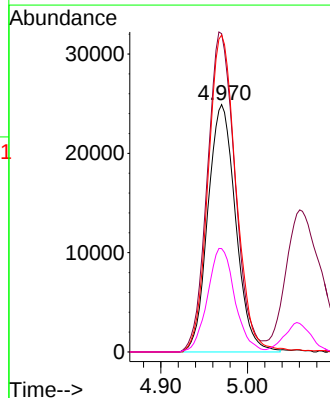
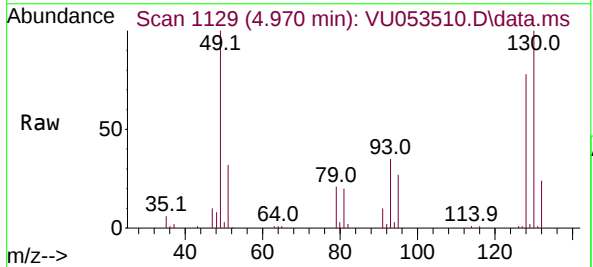
Instrument :
MSVOA_U
ClientSampleId :
VSTD050179

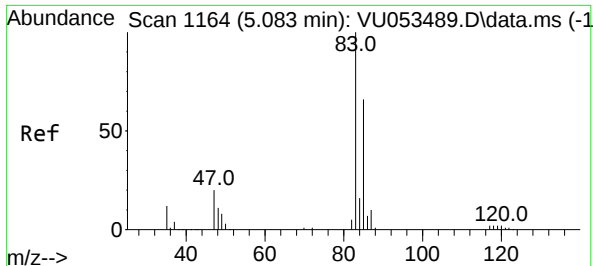
Tgt Ion: 43 Resp: 111524
Ion Ratio Lower Upper
43 100
72 35.8 15.8 47.3



#23
Bromochloromethane
Concen: 49.676 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Tgt Ion:128 Resp: 55367
Ion Ratio Lower Upper
128 100
49 128.7 81.5 151.3
130 128.2 91.8 170.4
51 41.8 30.2 45.2

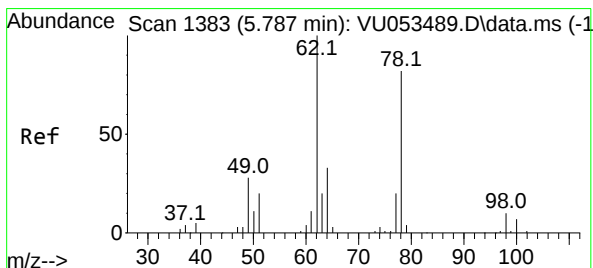
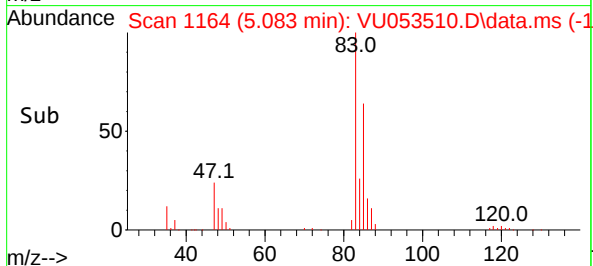
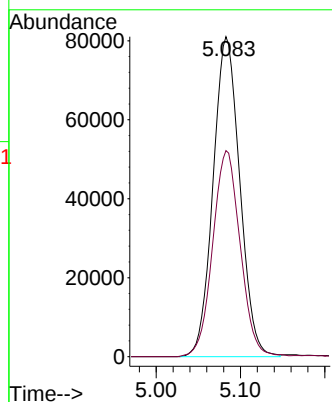
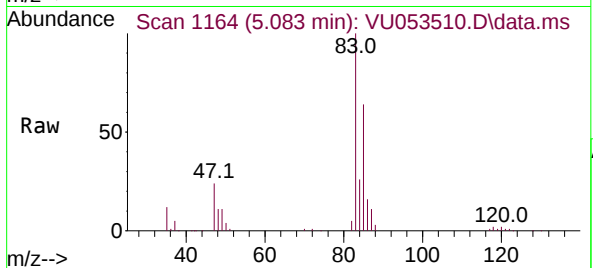




#25
Chloroform
Concen: 54.137 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

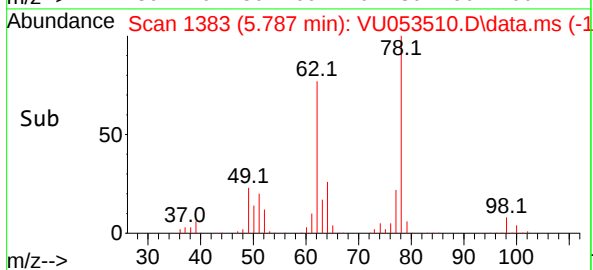
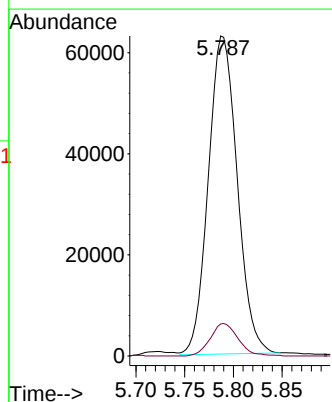
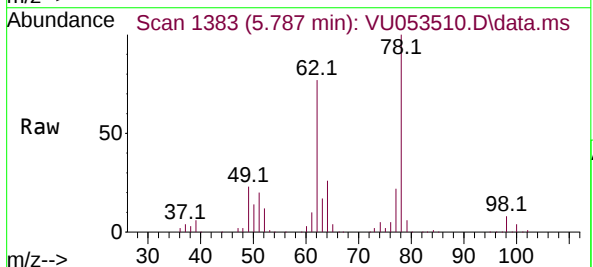
Instrument :
MSVOA_U
ClientSampleId :
VSTD050179

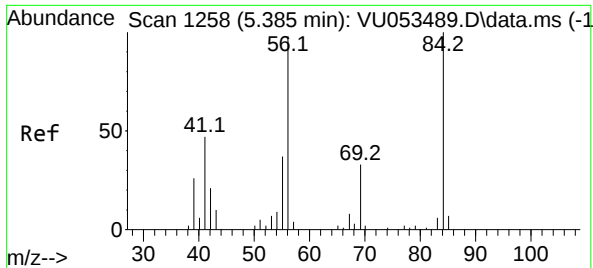
Tgt Ion: 83 Resp: 178185
Ion Ratio Lower Upper
83 100
85 64.4 46.1 85.5



#27
1,2-Dichloroethane
Concen: 53.946 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Tgt Ion: 62 Resp: 130034
Ion Ratio Lower Upper
62 100
98 10.0 8.3 12.5





#29

Cyclohexane

Concen: 59.375 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053510.D

Acq: 03 Apr 2023 10:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD050179

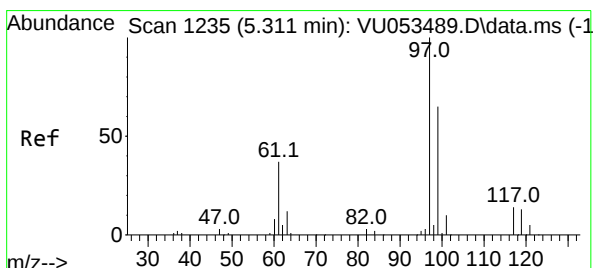
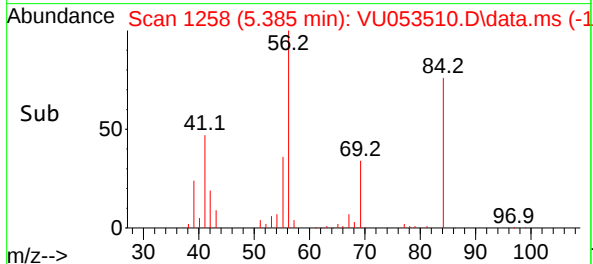
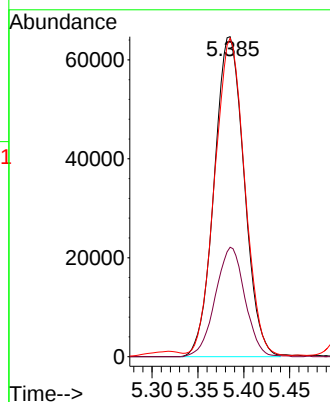
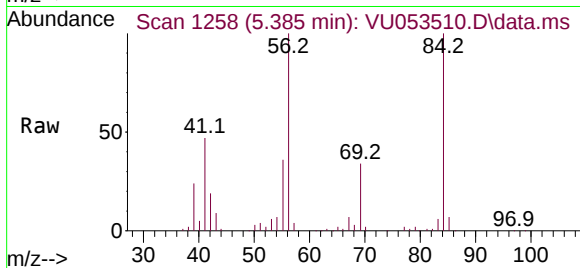
Tgt Ion: 56 Resp: 146968

Ion Ratio Lower Upper

56 100

69 33.8 27.3 40.9

84 99.9 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 55.285 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.003 min

Lab File: VU053510.D

Acq: 03 Apr 2023 10:53

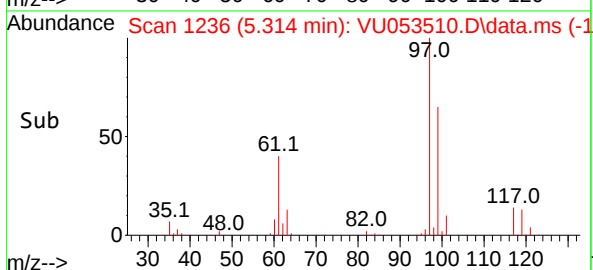
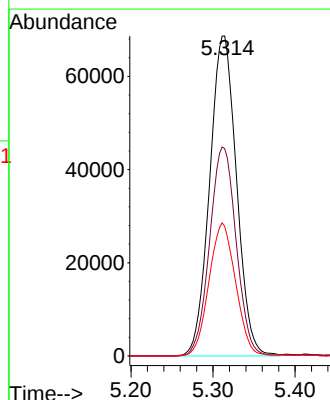
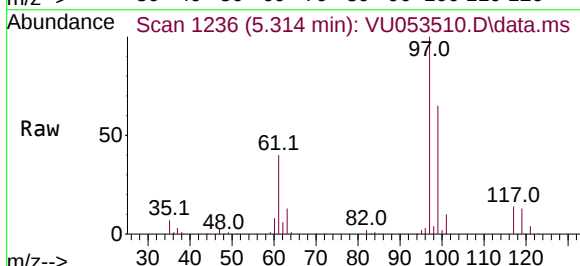
Tgt Ion: 97 Resp: 156630

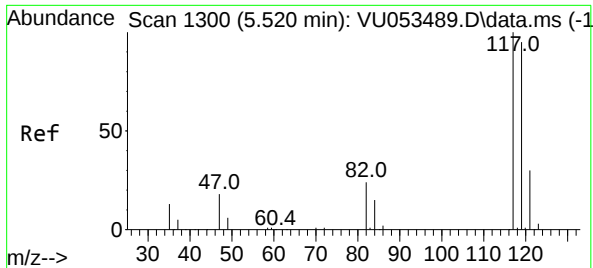
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 41.2 31.0 46.4

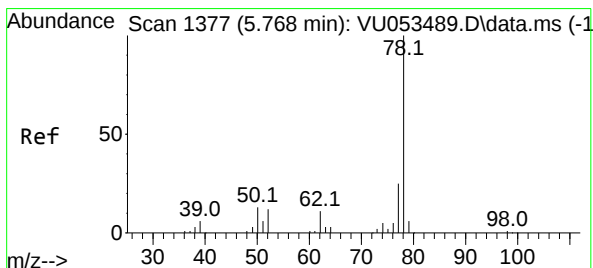
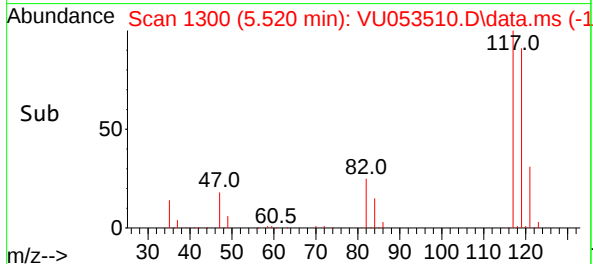
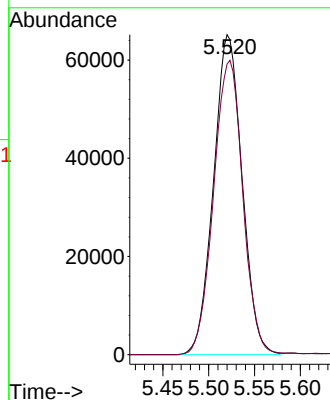
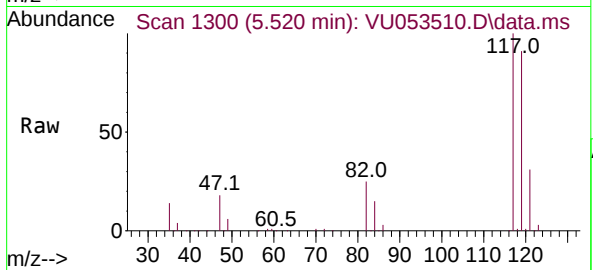




#31
Carbon tetrachloride
Concen: 55.624 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

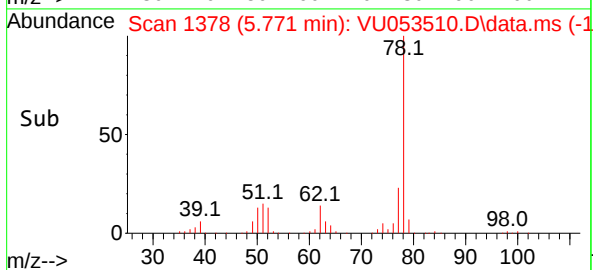
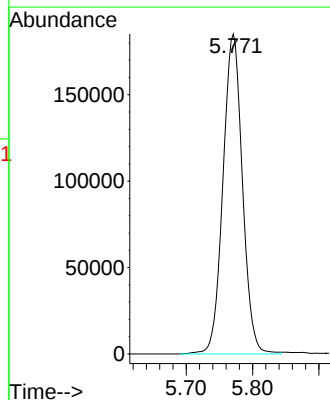
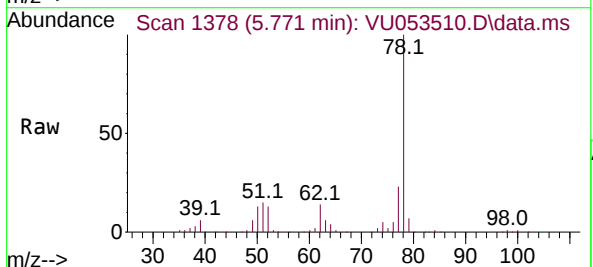
Instrument :
MSVOA_U
ClientSampleId :
VSTD050179

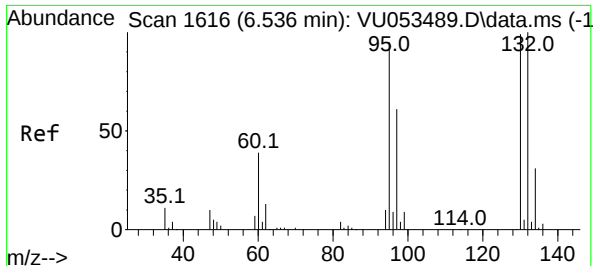
Tgt Ion:117 Resp: 141192
Ion Ratio Lower Upper
117 100
119 94.1 76.9 115.3



#33
Benzene
Concen: 56.373 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Tgt Ion: 78 Resp: 377645

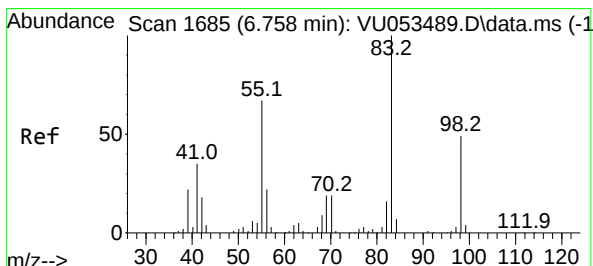
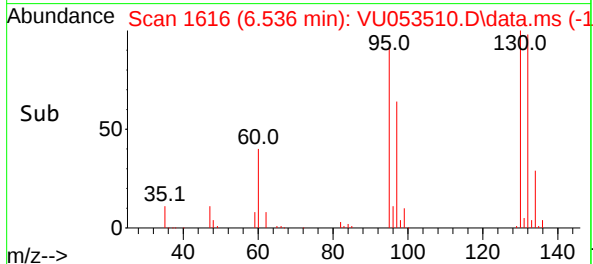
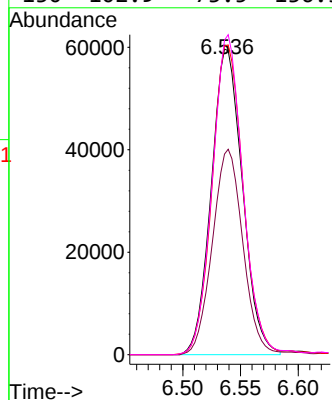
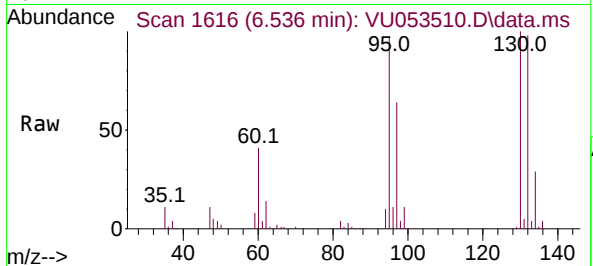




#34
Trichloroethene
Concen: 55.411 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

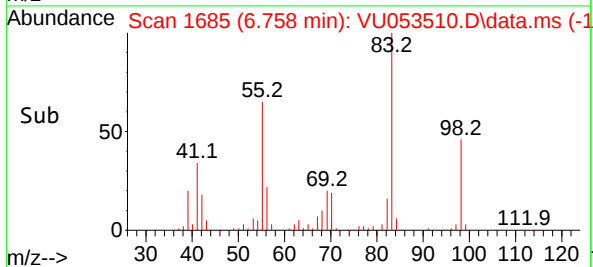
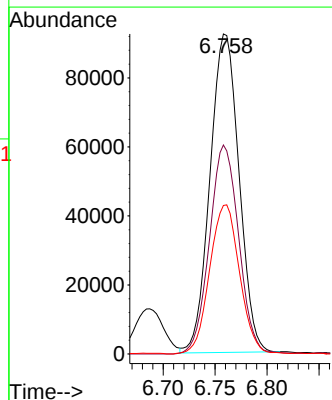
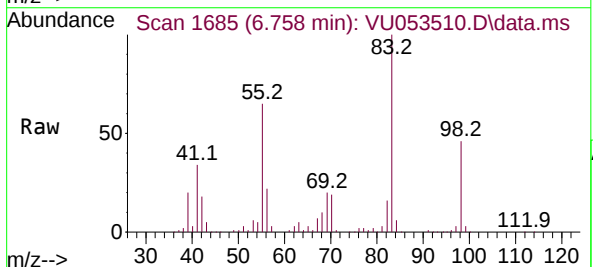
Instrument :
MSVOA_U
ClientSampleId :
VSTD050179

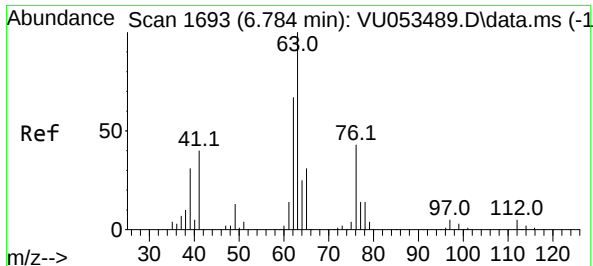
Tgt Ion: 95 Resp: 112270
Ion Ratio Lower Upper
95 100
97 65.7 45.1 83.7
132 101.1 74.1 137.5
130 102.9 73.5 136.5



#35
Methylcyclohexane
Concen: 60.209 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Tgt Ion: 83 Resp: 179319
Ion Ratio Lower Upper
83 100
55 66.3 53.0 79.6
98 48.2 39.0 58.6





#37

1,2-Dichloropropane

Concen: 58.905 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053510.D

Acq: 03 Apr 2023 10:53

Instrument :

MSVOA_U

ClientSampleId :

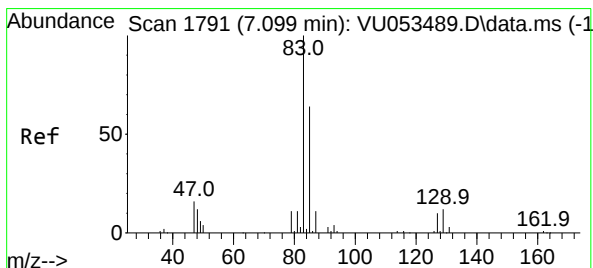
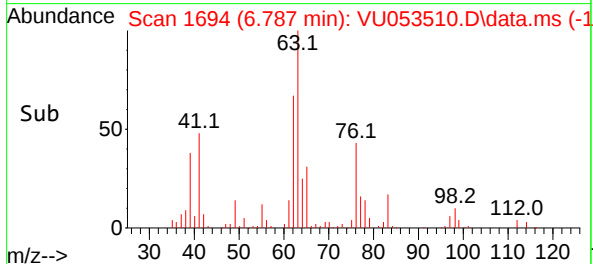
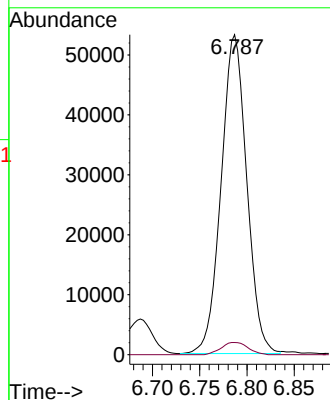
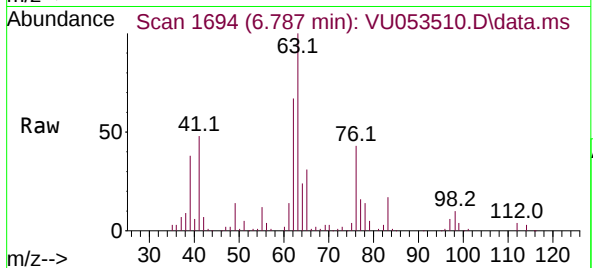
VSTD050179

Tgt Ion: 63 Resp: 100198

Ion Ratio Lower Upper

63 100

112 4.0 3.8 5.6



#38

Bromodichloromethane

Concen: 56.565 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VU053510.D

Acq: 03 Apr 2023 10:53

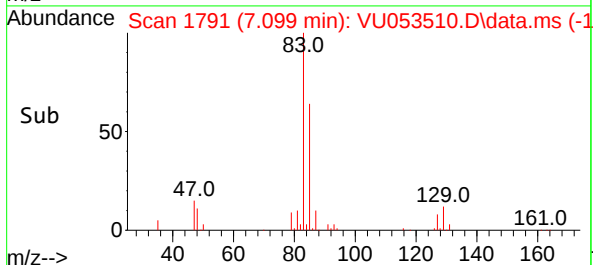
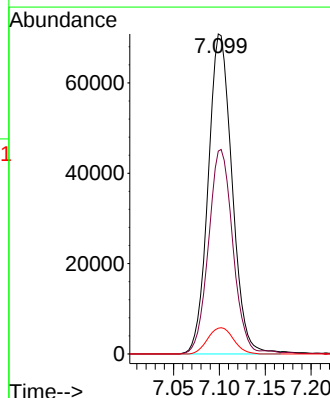
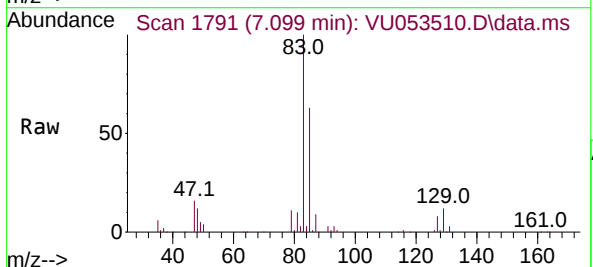
Tgt Ion: 83 Resp: 128359

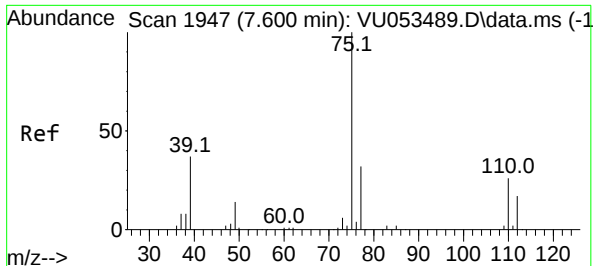
Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.5

127 8.1 8.0 12.0





#39

cis-1,3-Dichloropropene

Concen: 60.681 ug/L

RT: 7.604 min Scan# 1947

Delta R.T. 0.003 min

Lab File: VU053510.D

Acq: 03 Apr 2023 10:53

Instrument :

MSVOA_U

ClientSampleId :

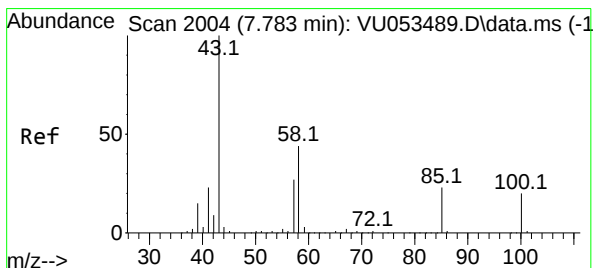
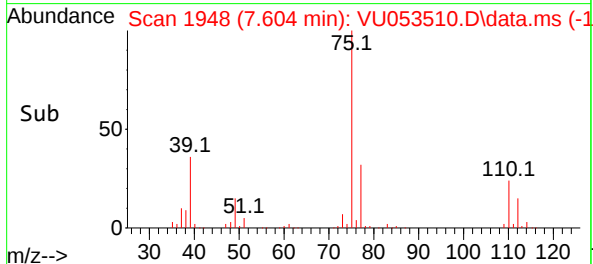
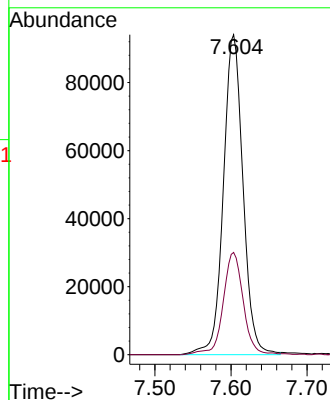
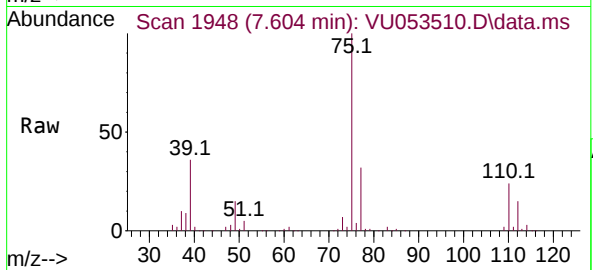
VSTD050179

Tgt Ion: 75 Resp: 168673

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 110.384 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VU053510.D

Acq: 03 Apr 2023 10:53

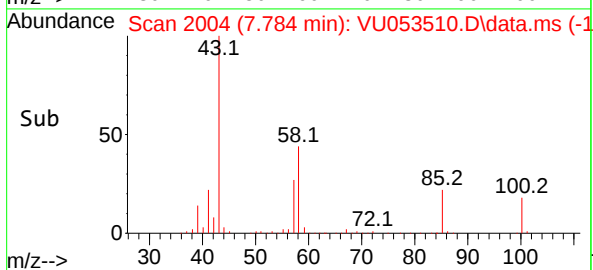
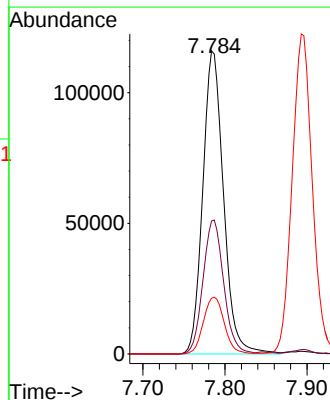
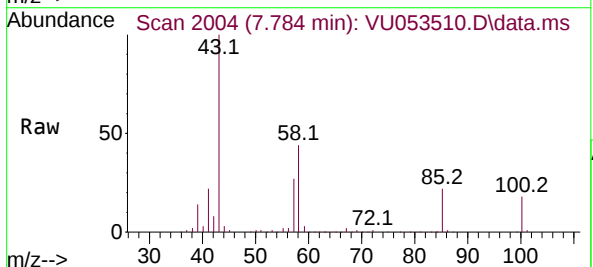
Tgt Ion: 43 Resp: 204042

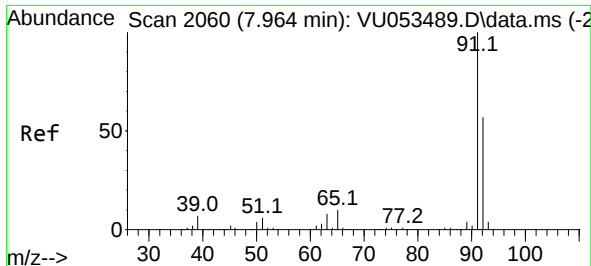
Ion Ratio Lower Upper

43 100

58 44.1 35.5 53.3

100 18.9 15.8 23.8





#42

Toluene

Concen: 54.853 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053510.D

Acq: 03 Apr 2023 10:53

Instrument :

MSVOA_U

ClientSampleId :

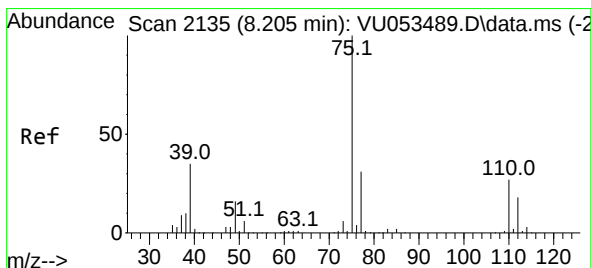
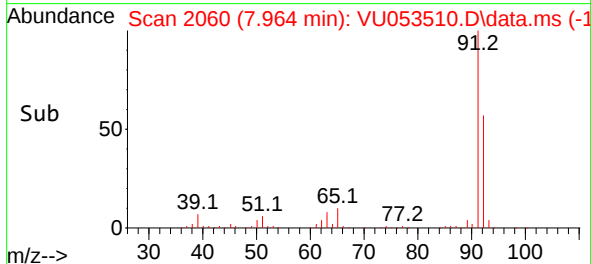
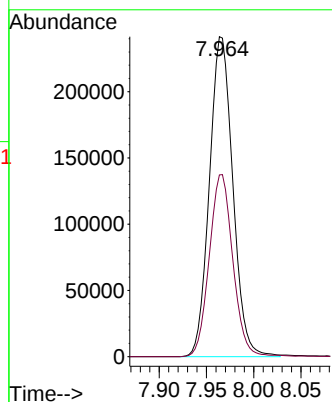
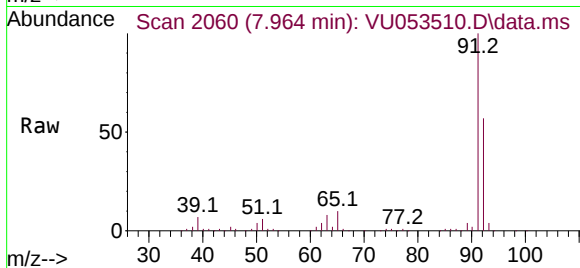
VSTD050179

Tgt Ion: 91 Resp: 416427

Ion Ratio Lower Upper

91 100

92 56.8 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 58.090 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053510.D

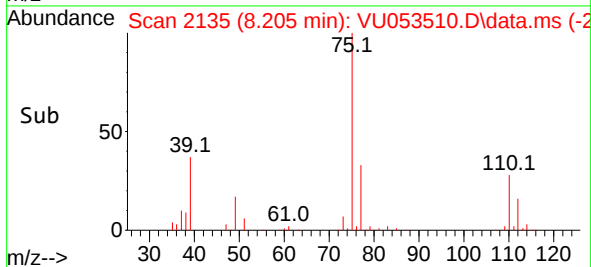
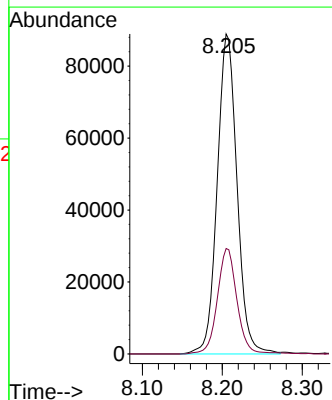
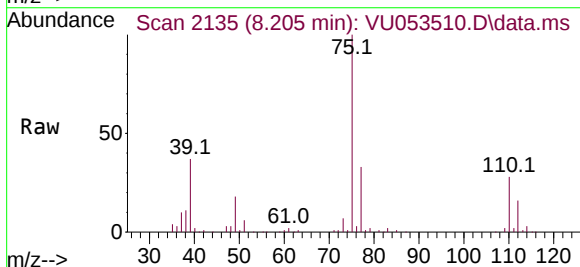
Acq: 03 Apr 2023 10:53

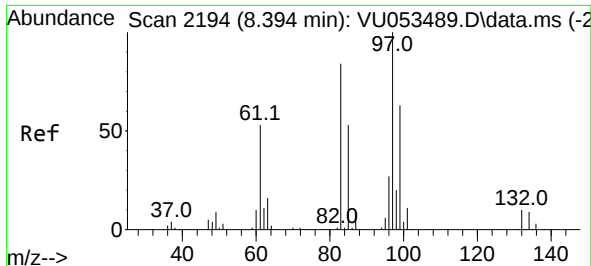
Tgt Ion: 75 Resp: 152647

Ion Ratio Lower Upper

75 100

77 33.0 21.8 40.4



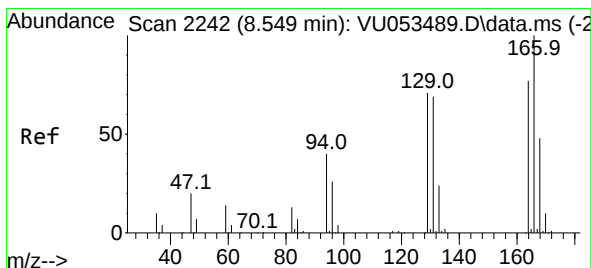
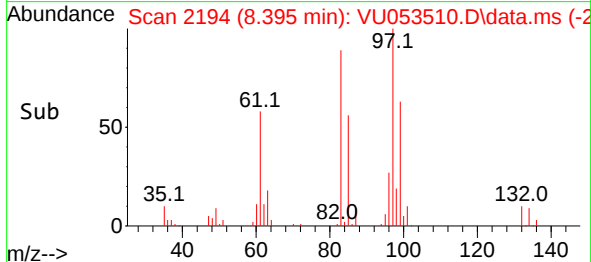
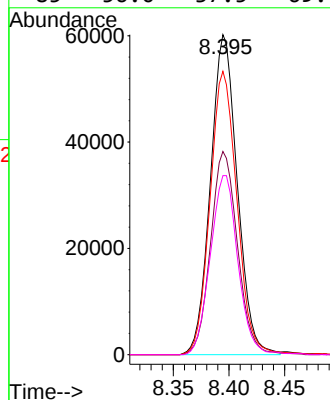
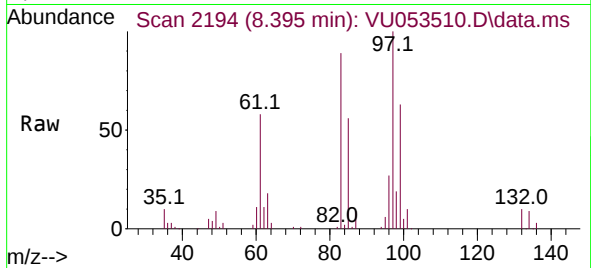


#45
1,1,2-Trichloroethane
Concen: 54.012 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD050179

Tgt Ion: 97 Resp: 100872

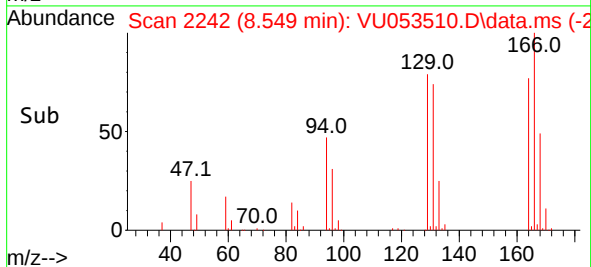
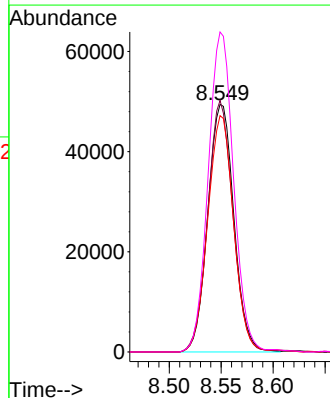
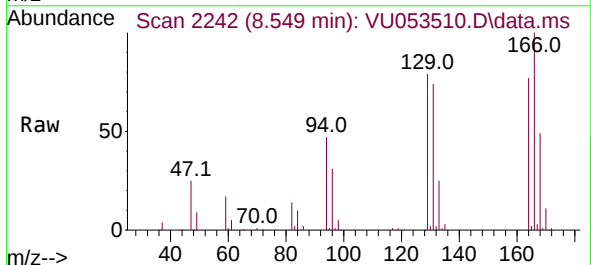
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.8	81.3
83	88.5	59.0	109.6
85	56.0	37.5	69.7

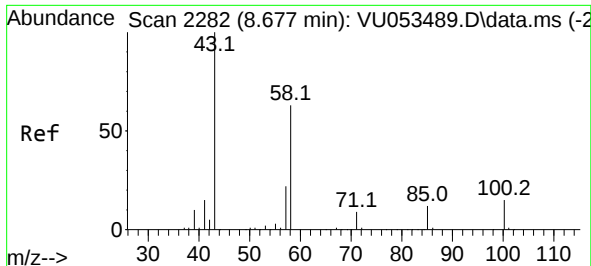


#46
Tetrachloroethene
Concen: 51.213 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Tgt Ion: 164 Resp: 86107

Ion	Ratio	Lower	Upper
164	100		
129	101.6	64.0	119.0
131	95.5	61.9	115.1
166	129.3	90.6	168.2



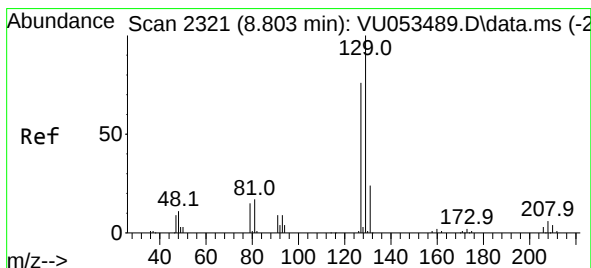
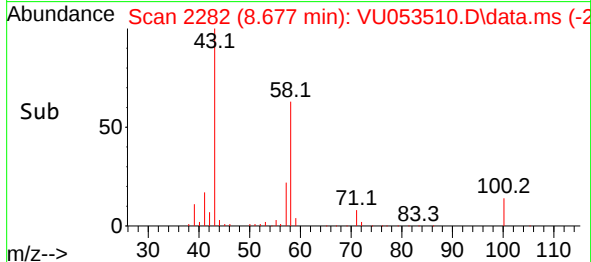
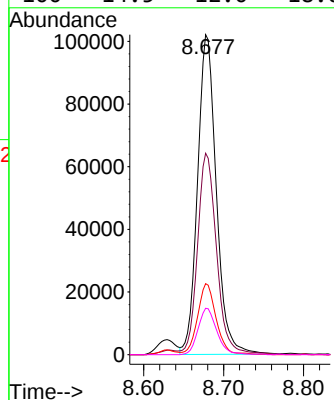
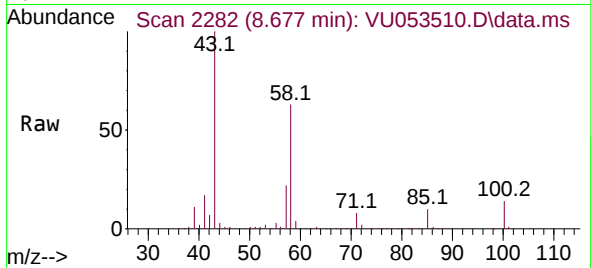


#48
2-Hexanone
Concen: 111.788 ug/L
RT: 8.677 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD050179

Tgt Ion: 43 Resp: 167152

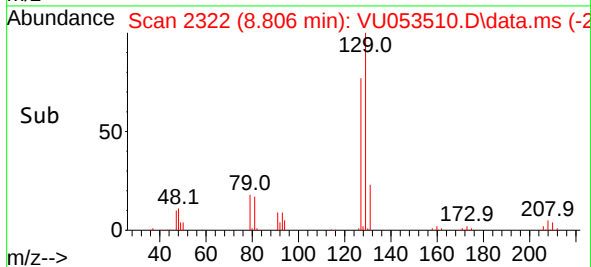
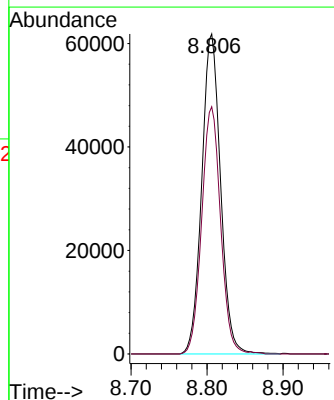
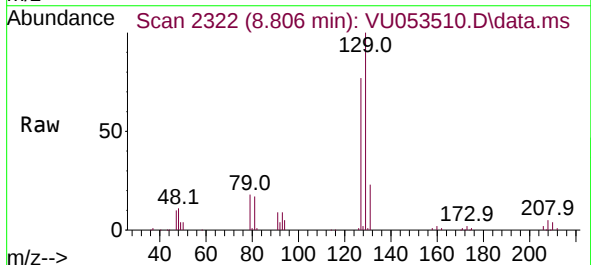
Ion	Ratio	Lower	Upper
43	100		
58	63.1	49.8	74.6
57	20.9	17.8	26.6
100	14.5	12.0	18.0

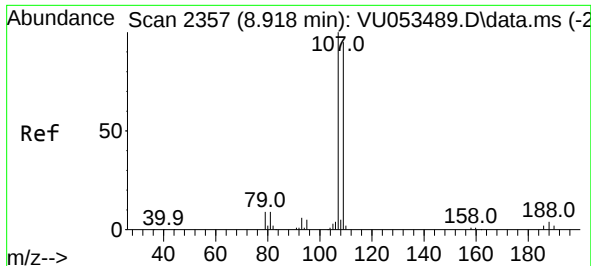


#49
Dibromochloromethane
Concen: 54.773 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Tgt Ion: 129 Resp: 106363

Ion	Ratio	Lower	Upper
129	100		
127	77.2	53.5	99.3





#50

1,2-Dibromoethane

Concen: 53.573 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053510.D

Acq: 03 Apr 2023 10:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD050179

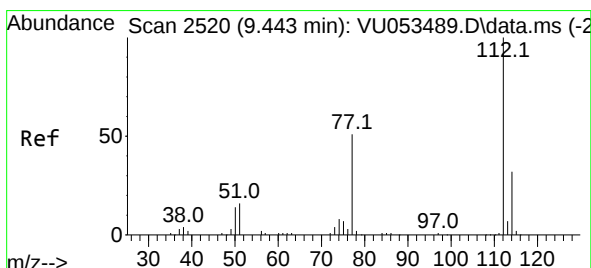
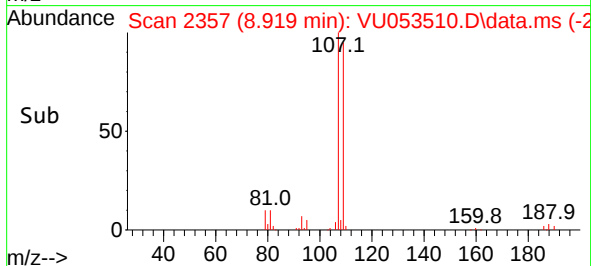
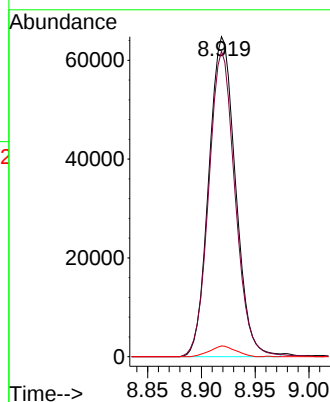
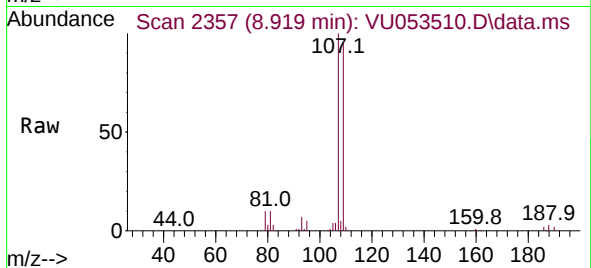
Tgt Ion:107 Resp: 111937

Ion Ratio Lower Upper

107 100

109 95.5 66.3 123.1

188 3.4 3.0 4.4



#51

Chlorobenzene

Concen: 52.937 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053510.D

Acq: 03 Apr 2023 10:53

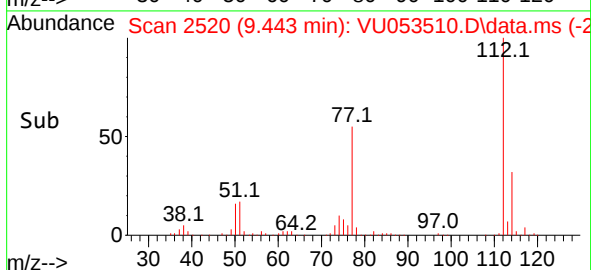
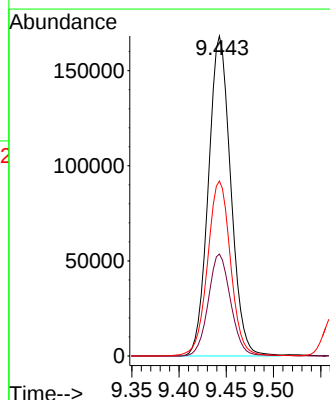
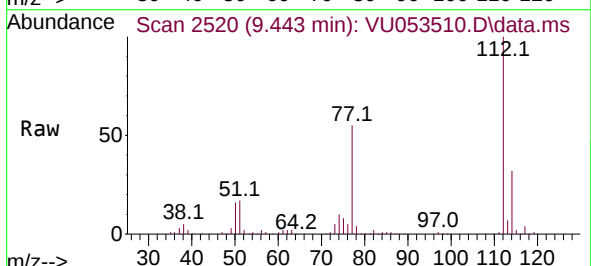
Tgt Ion:112 Resp: 276898

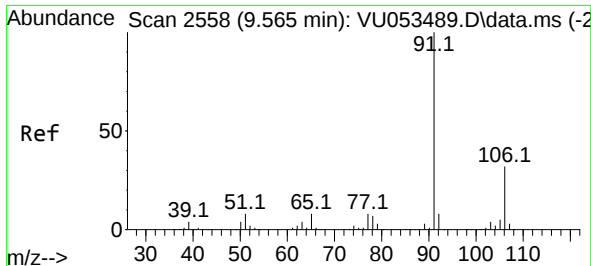
Ion Ratio Lower Upper

112 100

114 31.9 22.2 41.2

77 54.7 41.3 61.9

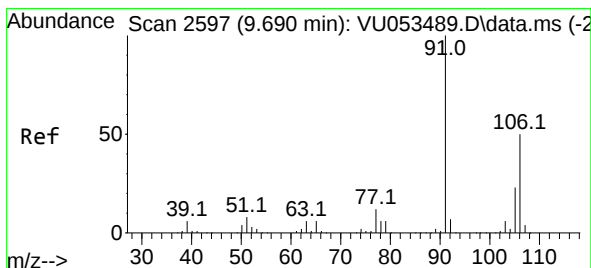
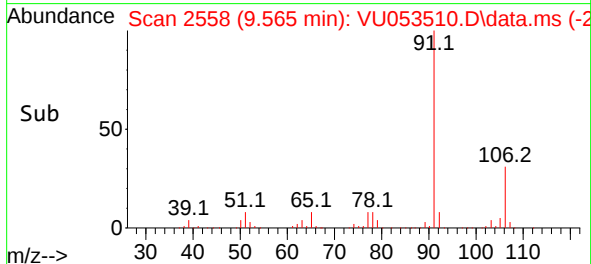
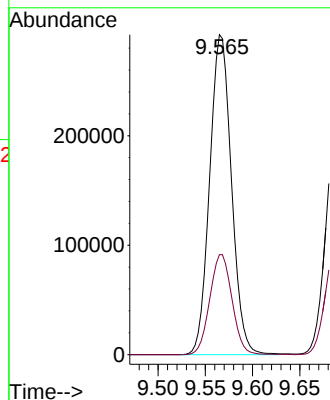
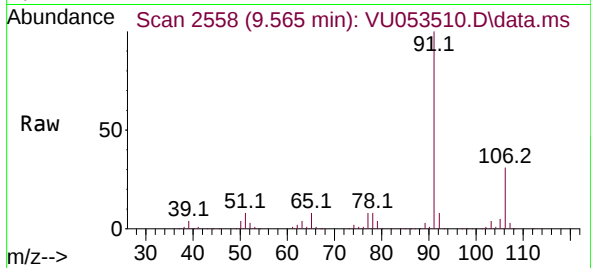




#52
Ethylbenzene
Concen: 55.449 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

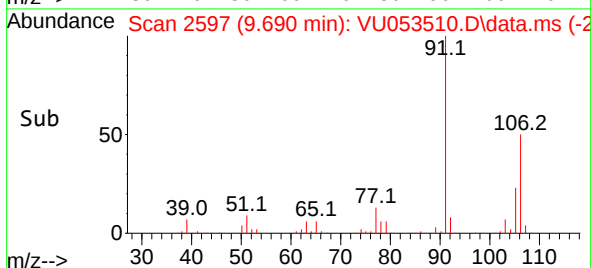
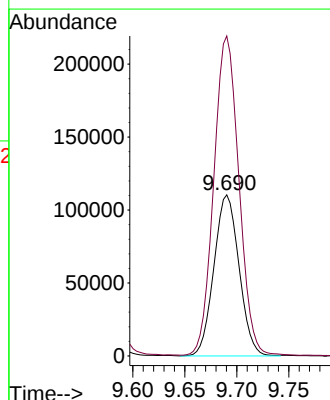
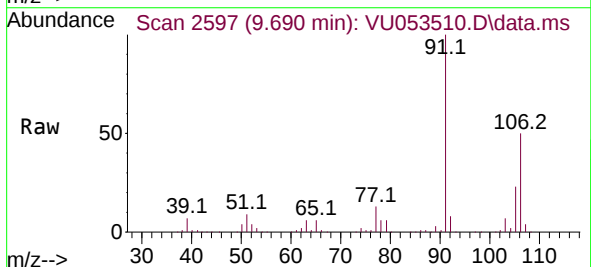
Instrument :
MSVOA_U
ClientSampleId :
VSTD050179

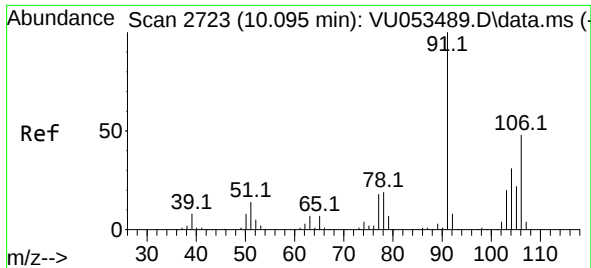
Tgt Ion: 91 Resp: 468602
Ion Ratio Lower Upper
91 100
106 31.2 22.4 41.6



#53
m,p-Xylene
Concen: 56.205 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Tgt Ion: 106 Resp: 185768
Ion Ratio Lower Upper
106 100
91 198.6 140.0 260.0

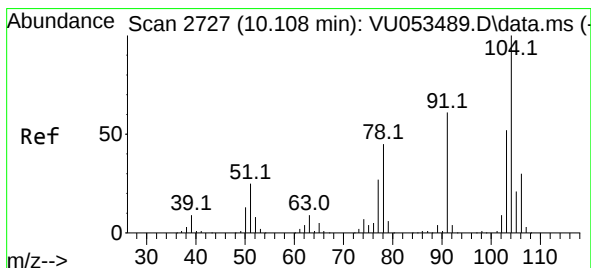
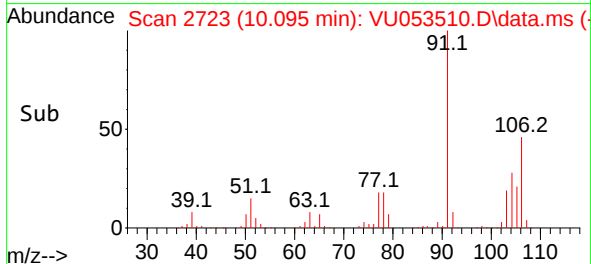
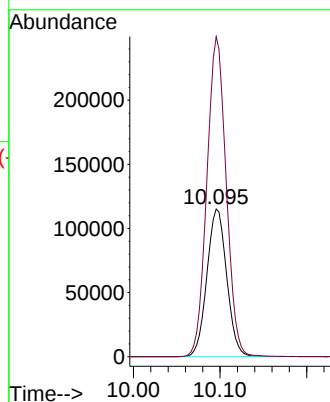
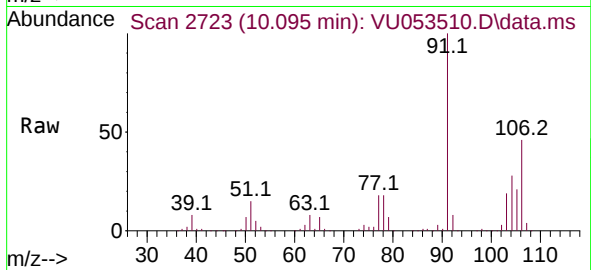




#54
o-xylene
Concen: 55.926 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

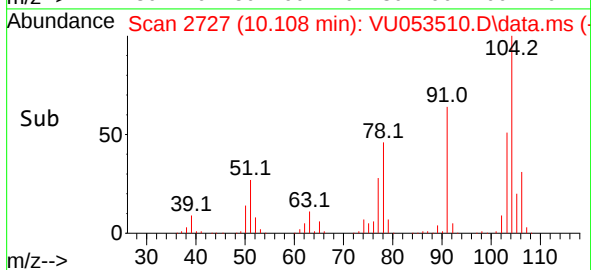
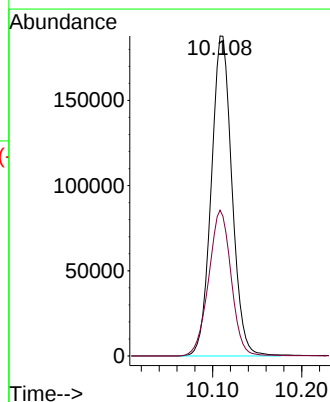
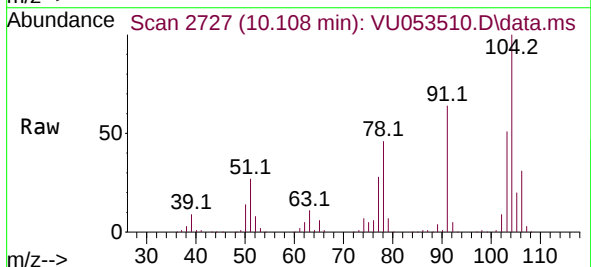
Instrument :
MSVOA_U
ClientSampleId :
VSTD050179

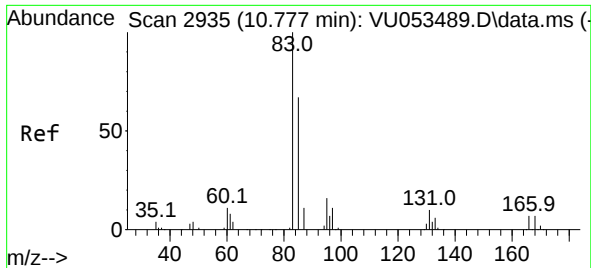
Tgt Ion:106 Resp: 182757
Ion Ratio Lower Upper
106 100
91 216.6 144.9 269.1



#55
Styrene
Concen: 56.968 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Tgt Ion:104 Resp: 303223
Ion Ratio Lower Upper
104 100
78 45.5 31.3 58.1

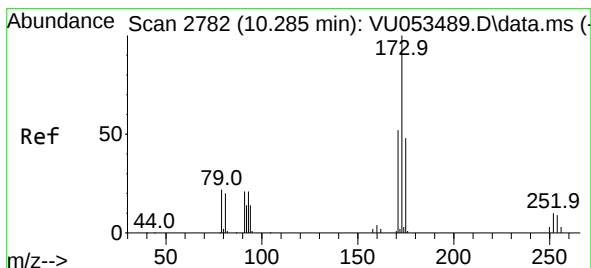
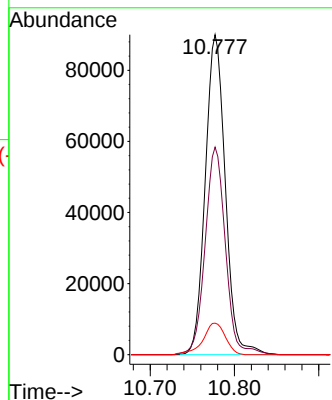
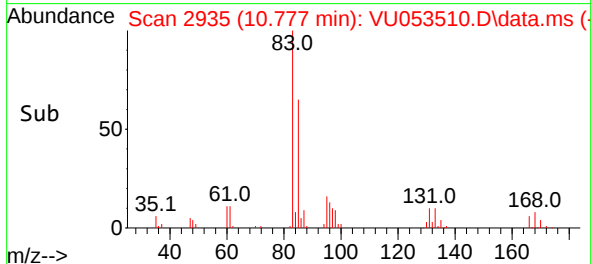
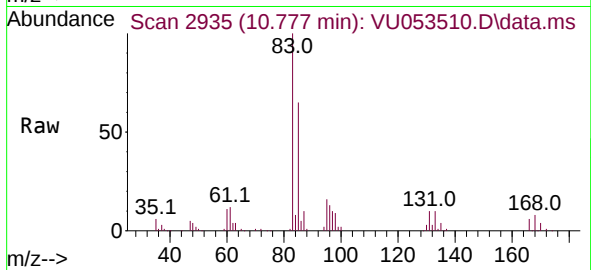




#57
1,1,2,2-Tetrachloroethane
Concen: 54.280 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

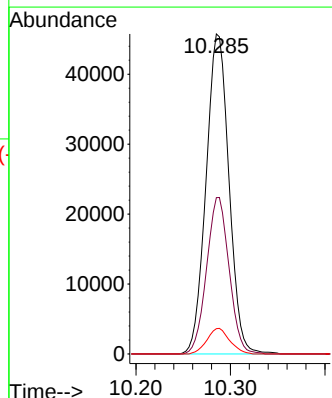
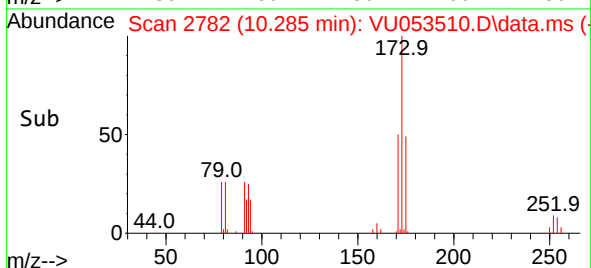
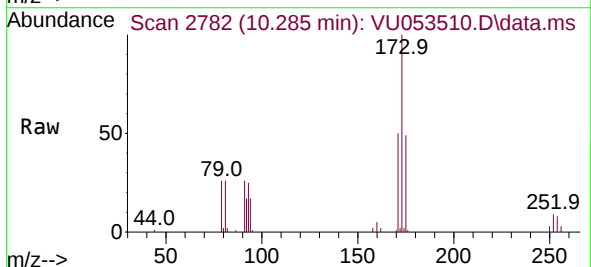
Instrument :
MSVOA_U
ClientSampleId :
VSTD050179

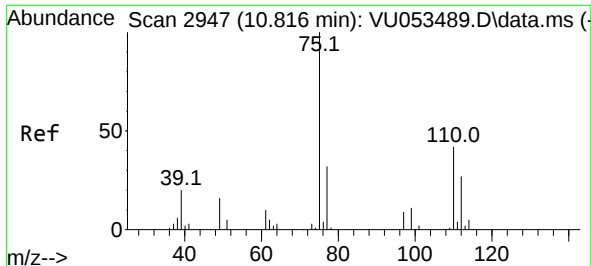
Tgt Ion: 83 Resp: 148837
Ion Ratio Lower Upper
83 100
85 64.8 47.0 87.4
131 9.9 8.7 13.1



#59
Bromoform
Concen: 54.692 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Tgt Ion:173 Resp: 76988
Ion Ratio Lower Upper
173 100
175 48.0 39.0 58.6
254 8.0 7.0 10.4

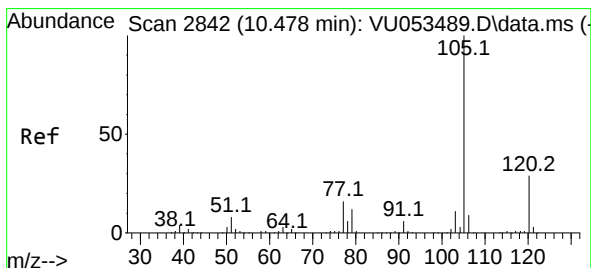
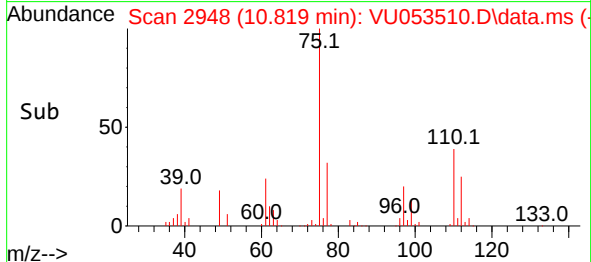
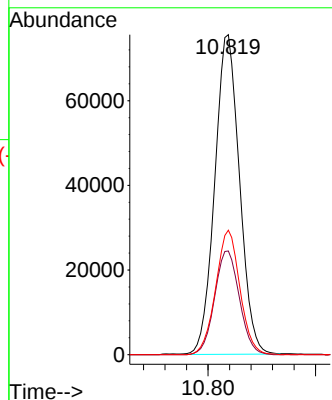
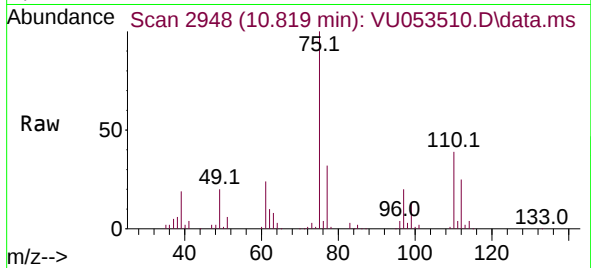




#60
1,2,3-Trichloropropane
Concen: 60.522 ug/L
RT: 10.819 min Scan# 2947
Delta R.T. 0.003 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

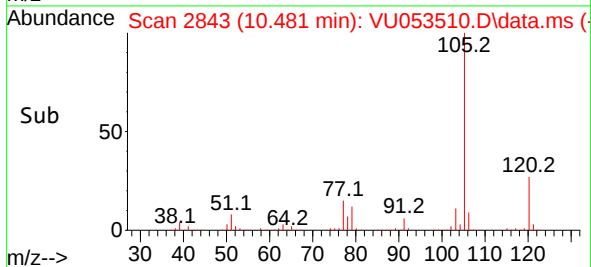
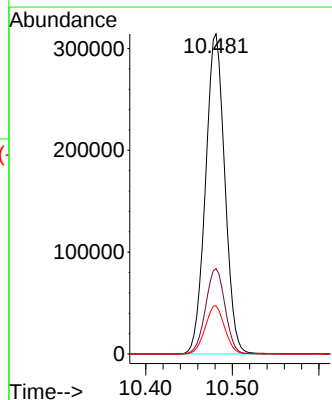
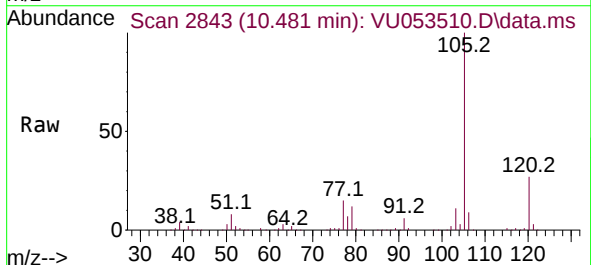
Instrument :
MSVOA_U
ClientSampleId :
VSTD050179

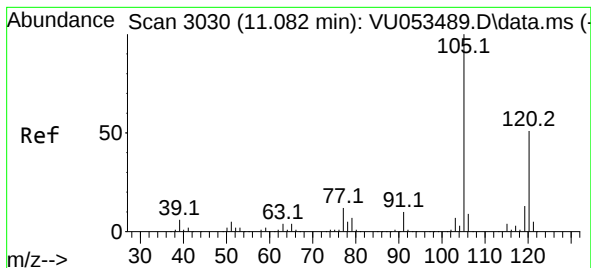
Tgt Ion: 75 Resp: 120686
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0
110 38.1 32.6 48.8



#61
Isopropylbenzene
Concen: 59.776 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Tgt Ion: 105 Resp: 486031
Ion Ratio Lower Upper
105 100
120 27.0 22.4 33.6
77 15.3 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 60.914 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053510.D

Acq: 03 Apr 2023 10:53

Instrument :

MSVOA_U

ClientSampleId :

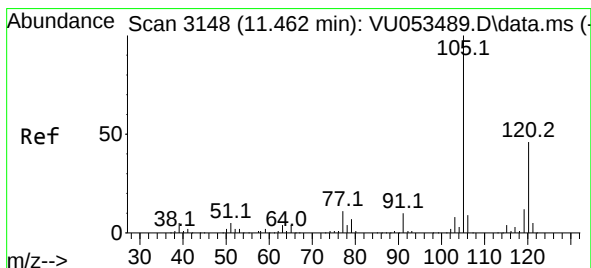
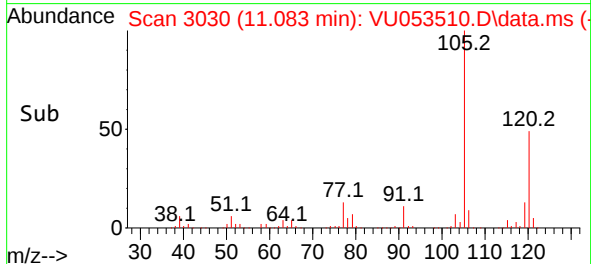
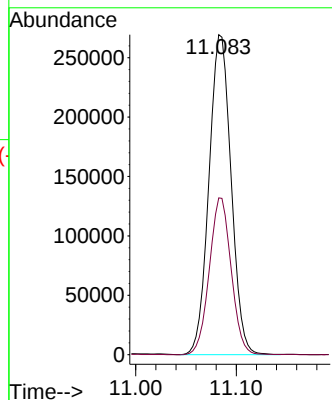
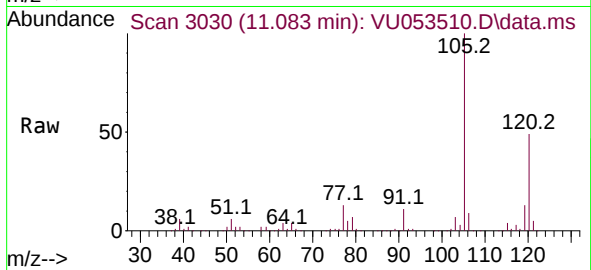
VSTD050179

Tgt Ion:105 Resp: 411724

Ion Ratio Lower Upper

105 100

120 48.3 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 59.050 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053510.D

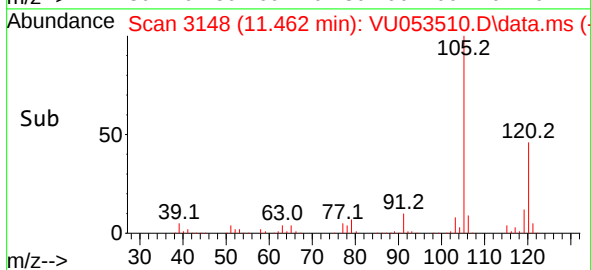
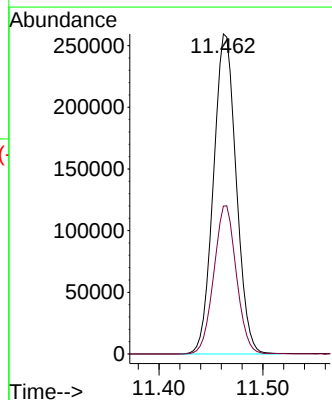
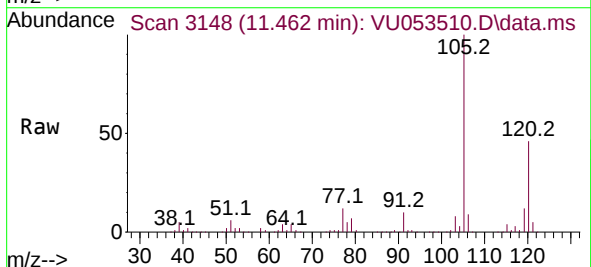
Acq: 03 Apr 2023 10:53

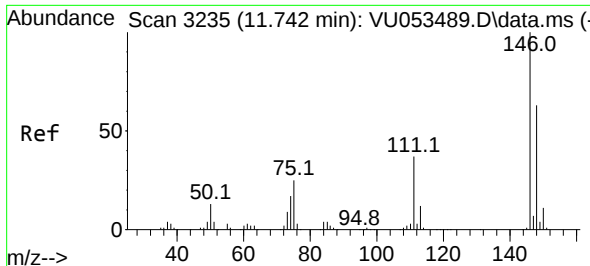
Tgt Ion:105 Resp: 395311

Ion Ratio Lower Upper

105 100

120 45.8 37.5 56.3

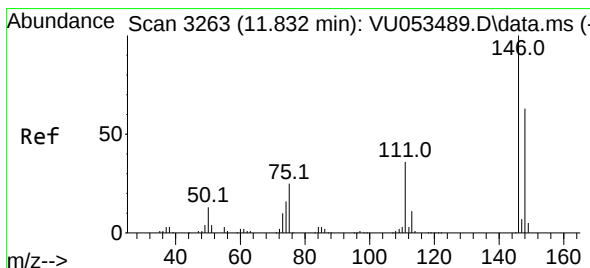
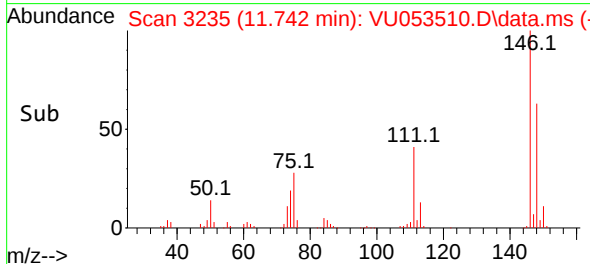
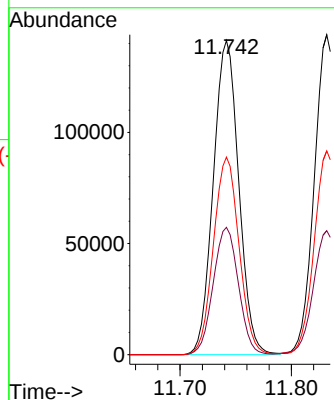
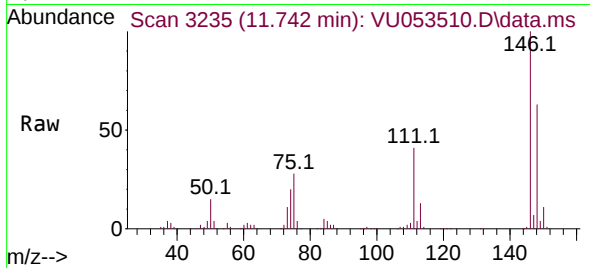




#64
 1,3-Dichlorobenzene
 Concen: 52.830 ug/L
 RT: 11.742 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU053510.D
 Acq: 03 Apr 2023 10:53

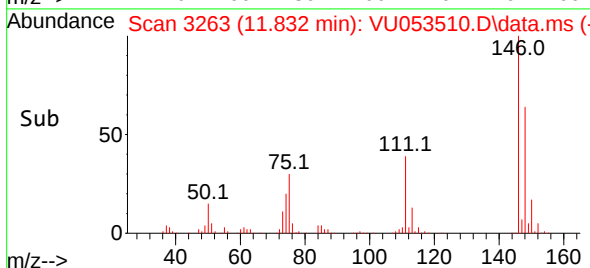
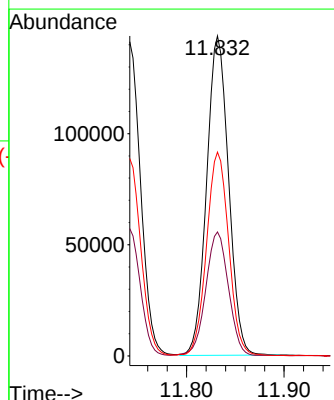
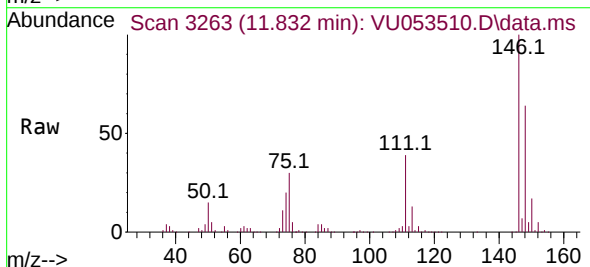
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050179

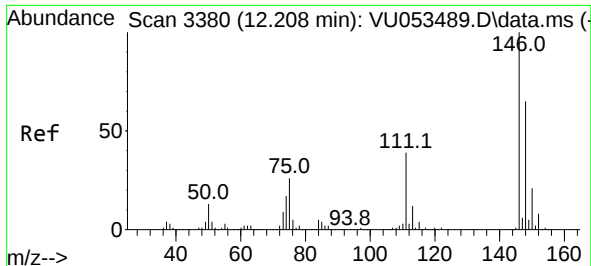
Tgt Ion:146 Resp: 224452
 Ion Ratio Lower Upper
 146 100
 111 40.5 25.7 47.7
 148 62.9 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 51.896 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. 0.000 min
 Lab File: VU053510.D
 Acq: 03 Apr 2023 10:53

Tgt Ion:146 Resp: 224715
 Ion Ratio Lower Upper
 146 100
 111 38.8 25.1 46.5
 148 63.7 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 54.344 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053510.D

Acq: 03 Apr 2023 10:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD050179

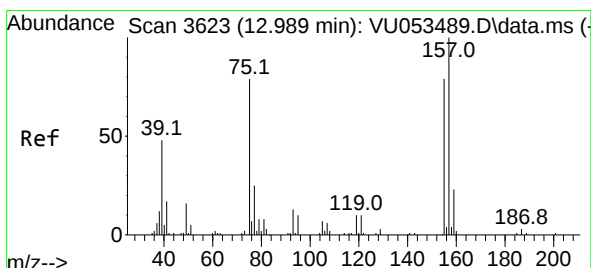
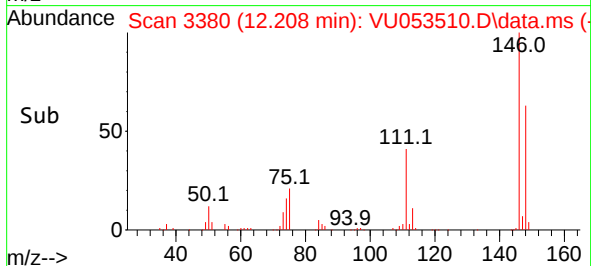
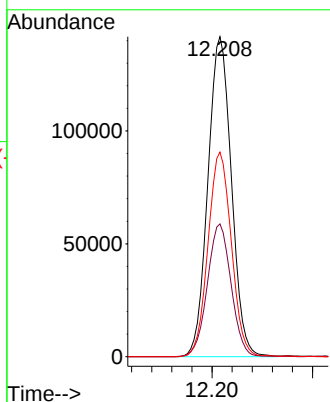
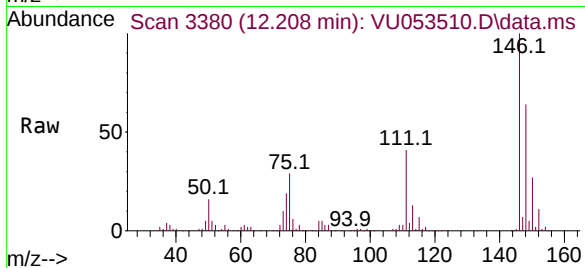
Tgt Ion:146 Resp: 230114

Ion Ratio Lower Upper

146 100

111 41.5 31.5 47.3

148 64.0 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 60.962 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU053510.D

Acq: 03 Apr 2023 10:53

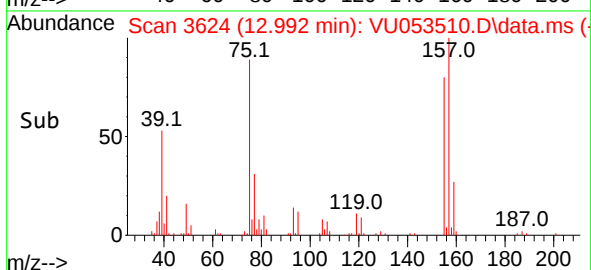
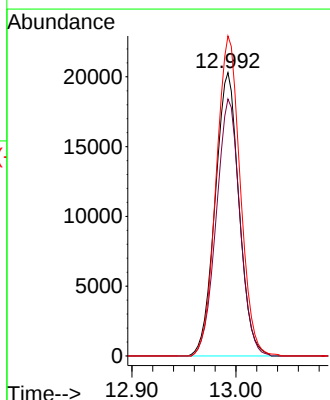
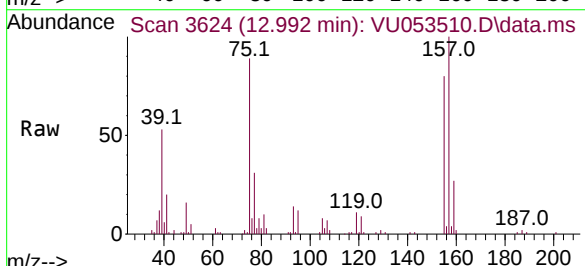
Tgt Ion: 75 Resp: 32407

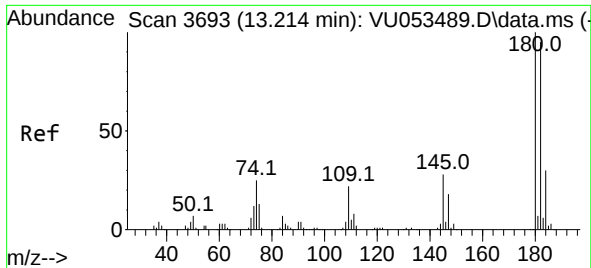
Ion Ratio Lower Upper

75 100

155 90.7 79.9 119.9

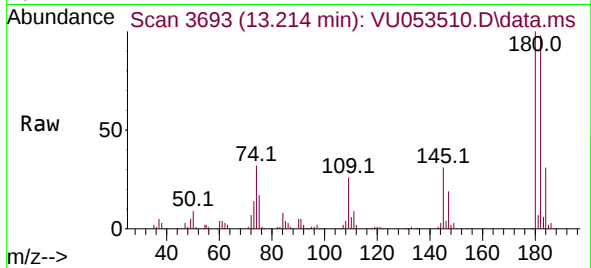
157 112.9 100.8 151.2



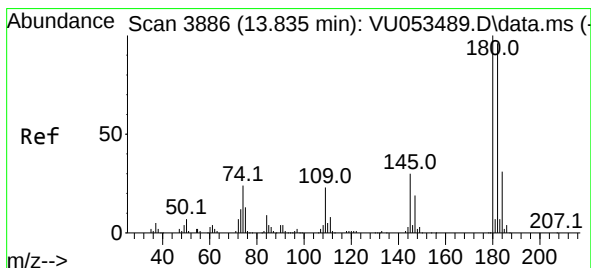
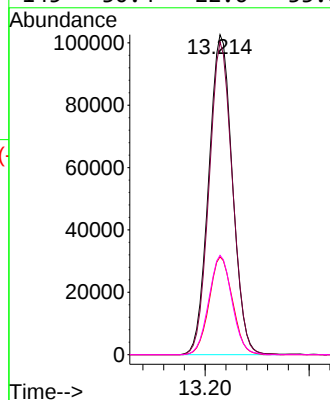
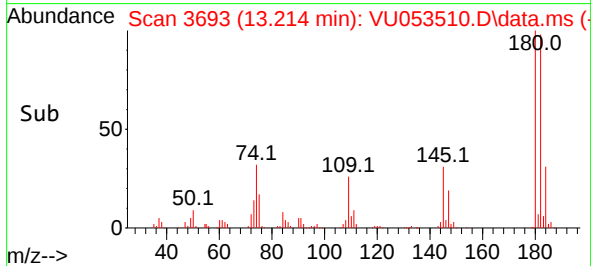


#69
 1,3,5-Trichlorobenzene
 Concen: 51.602 ug/L
 RT: 13.214 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: VU053510.D
 Acq: 03 Apr 2023 10:53

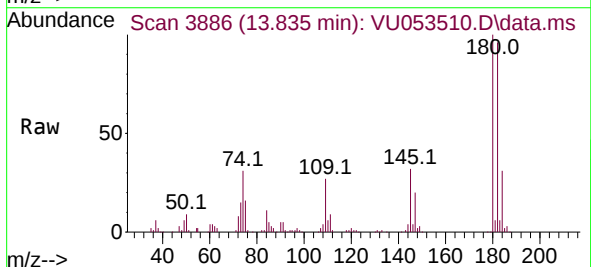
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050179



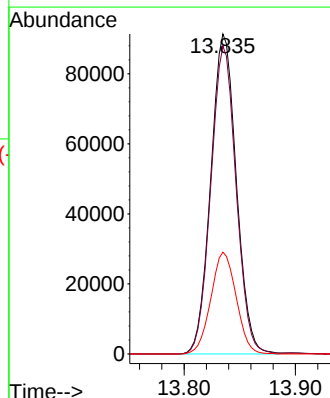
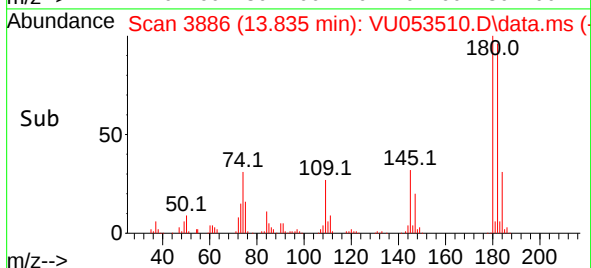
Tgt Ion:180 Resp: 162348
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.6 113.4
 184 30.0 24.2 36.2
 145 30.4 22.6 33.8

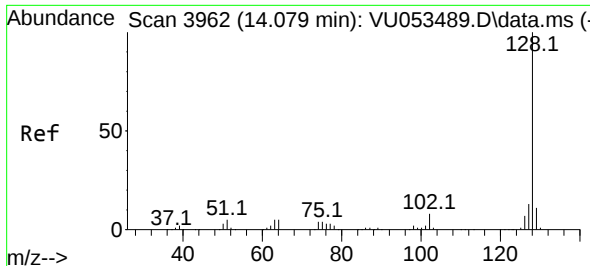


#70
 1,2,4-trichlorobenzene
 Concen: 49.916 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053510.D
 Acq: 03 Apr 2023 10:53



Tgt Ion:180 Resp: 145601
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.8 113.8
 145 31.5 23.4 35.2

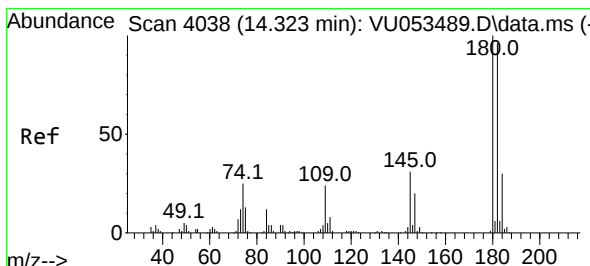
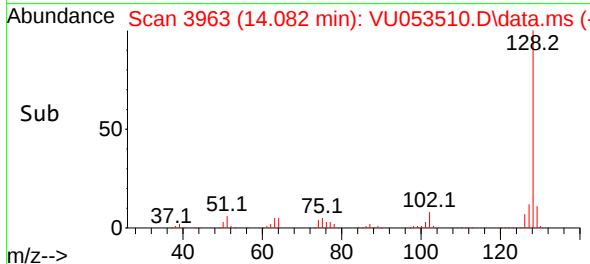
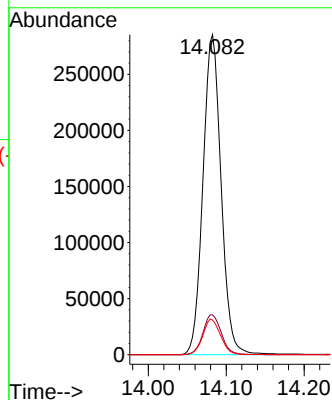
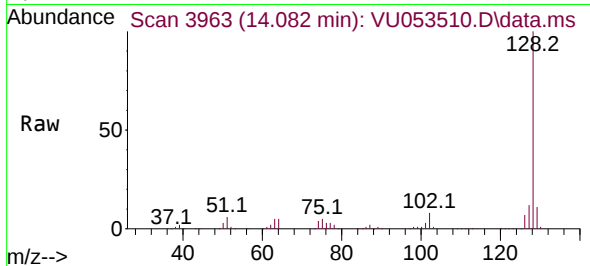




#71
Naphthalene
Concen: 52.877 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD050179

Tgt Ion:128 Resp: 461661
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.9 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 48.769 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053510.D
Acq: 03 Apr 2023 10:53

Tgt Ion:180 Resp: 142089
Ion Ratio Lower Upper
180 100
182 96.4 77.0 115.6
145 34.4 25.4 38.0

