

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053549.D
 Acq On : 04 Apr 2023 03:54
 Operator : JC/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050181

Quant Time: Apr 04 06:55:42 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	267751	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	252301	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	135336	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	102500	49.164	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.320%
7) Chloroethane-d5	1.909	69	83309	51.825	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.660%
11) 1,1-Dichloroethene-d2	2.565	63	159797	49.514	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.020%
21) 2-Butanone-d5	4.610	46	112479	119.159	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.160%
24) Chloroform-d	5.057	84	175987	51.040	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.080%
26) 1,2-Dichloroethane-d4	5.693	65	108428	53.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.440%
32) Benzene-d6	5.722	84	346925	50.941	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.880%
36) 1,2-Dichloropropane-d6	6.684	67	110741	53.200	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.400%
41) Toluene-d8	7.893	98	330560	48.836	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.680%
43) trans-1,3-Dichloroprop...	8.176	79	54105	50.354	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.700%
47) 2-Hexanone-d5	8.626	63	87019	122.489	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.490%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	157352	53.632	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.260%
66) 1,2-Dichlorobenzene-d4	12.188	152	135699	48.036	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	111642	51.373	ug/L	98
3) Chloromethane	1.520	50	103847	58.154	ug/L	99
5) Vinyl chloride	1.604	62	119000	57.501	ug/L	98
6) Bromomethane	1.851	94	75891	50.398	ug/L	97
8) Chloroethane	1.932	64	73419	58.985	ug/L	97
9) Trichlorofluoromethane	2.137	101	171101	53.753	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	90460	49.070	ug/L	93
12) 1,1-Dichloroethene	2.578	96	84244	51.276	ug/L	98
13) Acetone	2.616	43	67958	80.109	ug/L	95
14) Carbon disulfide	2.790	76	230707	53.085	ug/L	96
15) Methyl Acetate	2.941	43	79250	60.991	ug/L	96
16) Methylene chloride	3.041	84	95624	51.783	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	88025	53.311	ug/L	96
18) Methyl tert-butyl Ether	3.356	73	275730	57.292	ug/L	100
19) 1,1-Dichloroethane	3.864	63	157891	57.727	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	103464	54.250	ug/L	94
22) 2-Butanone	4.694	43	107115	104.225	ug/L	96
23) Bromochloromethane	4.967	128	54190	51.011	ug/L	94
25) Chloroform	5.083	83	171537	54.680	ug/L	100

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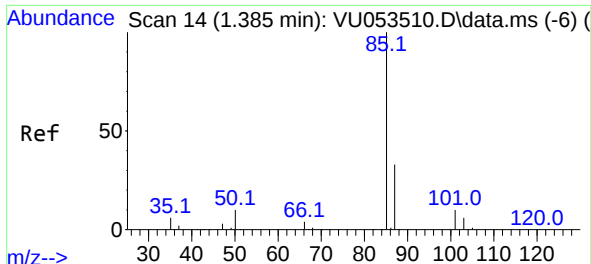
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	130559	56.828	ug/L	94
29) Cyclohexane	5.385	56	131411	54.104	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	148234	53.321	ug/L	99
31) Carbon tetrachloride	5.520	117	127297	51.107	ug/L	99
33) Benzene	5.767	78	364213	55.406	ug/L	100
34) Trichloroethene	6.536	95	104386	52.503	ug/L	94
35) Methylcyclohexane	6.758	83	147634	50.517	ug/L	98
37) 1,2-Dichloropropane	6.783	63	94046	56.344	ug/L	99
38) Bromodichloromethane	7.102	83	122228	54.892	ug/L	96
39) cis-1,3-Dichloropropene	7.603	75	155752	57.103	ug/L	98
40) 4-Methyl-2-pentanone	7.783	43	217852	120.106	ug/L	99
42) Toluene	7.963	91	398881	53.545	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	143557	55.674	ug/L	97
45) 1,1,2-Trichloroethane	8.394	97	99634	54.368	ug/L	96
46) Tetrachloroethene	8.549	164	76705	46.492	ug/L	95
48) 2-Hexanone	8.677	43	167672	114.277	ug/L	98
49) Dibromochloromethane	8.803	129	98146	51.506	ug/L	99
50) 1,2-Dibromoethane	8.918	107	111088	54.182	ug/L	98
51) Chlorobenzene	9.443	112	264183	51.471	ug/L	95
52) Ethylbenzene	9.565	91	441064	53.187	ug/L	100
53) m,p-Xylene	9.690	106	171771	52.962	ug/L	100
54) o-xylene	10.095	106	169416	52.833	ug/L	94
55) Styrene	10.108	104	283315	54.244	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	152380	56.633	ug/L	95
59) Bromoform	10.285	173	68807	49.671	ug/L	96
60) 1,2,3-Trichloropropane	10.819	75	122674	62.514	ug/L	98
61) Isopropylbenzene	10.481	105	444038	55.495	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	371404	55.838	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	368857	55.990	ug/L	97
64) 1,3-Dichlorobenzene	11.741	146	215034	51.432	ug/L	97
65) 1,4-Dichlorobenzene	11.831	146	219308	51.466	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	212158	50.914	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	32427	61.987	ug/L	91
69) 1,3,5-Trichlorobenzene	13.214	180	142822	46.130	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	144039	50.179	ug/L	99
71) Naphthalene	14.082	128	457689	53.270	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	134607	46.949	ug/L	99

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

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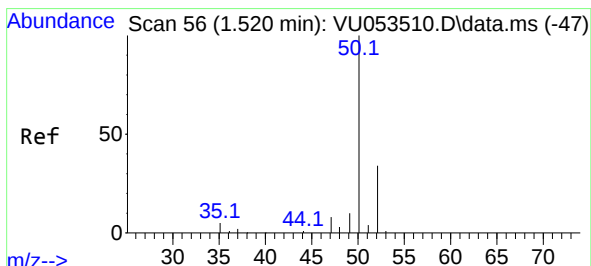
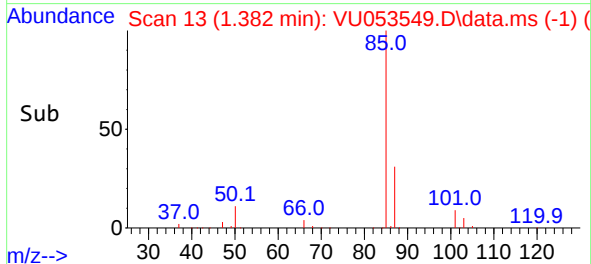
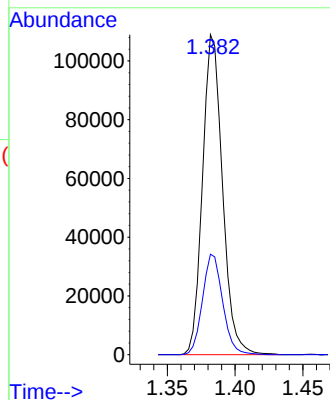
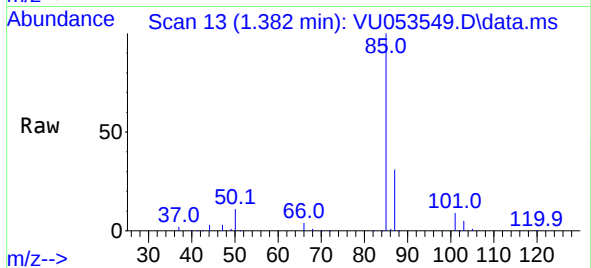




#2
Dichlorodifluoromethane
Concen: 51.373 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

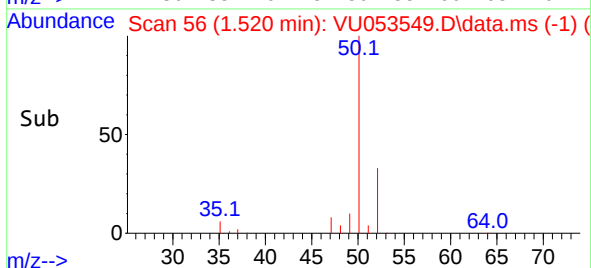
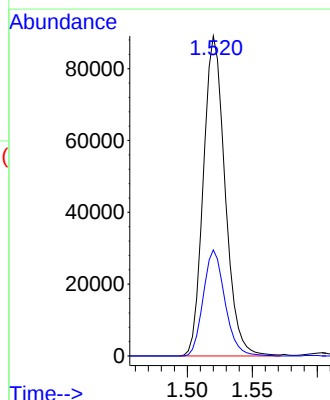
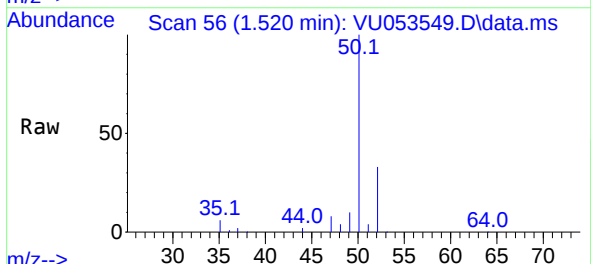
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

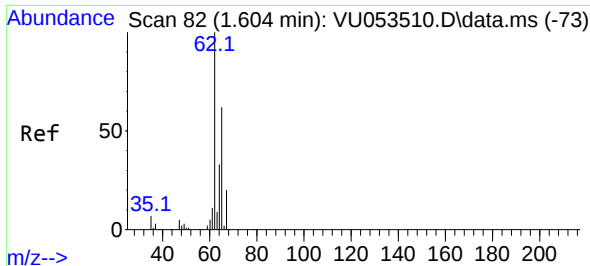
Tgt Ion: 85 Resp: 111642
Ion Ratio Lower Upper
85 100
87 31.6 26.4 39.6



#3
Chloromethane
Concen: 58.154 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion: 50 Resp: 103847
Ion Ratio Lower Upper
50 100
52 33.2 22.7 42.1

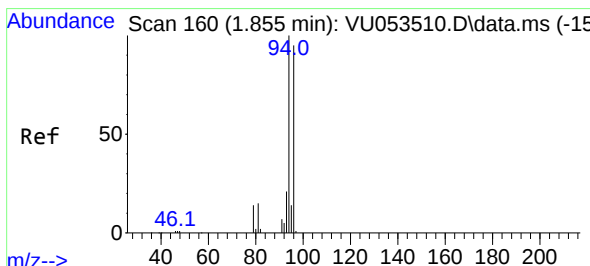
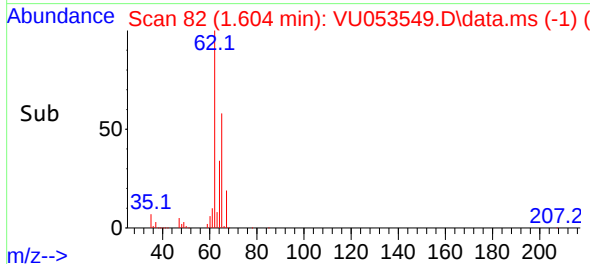
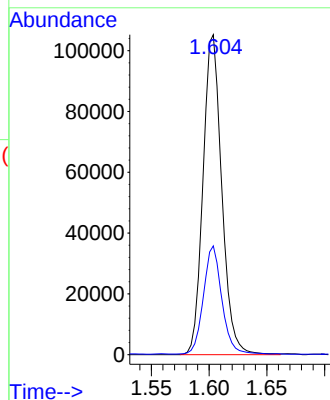
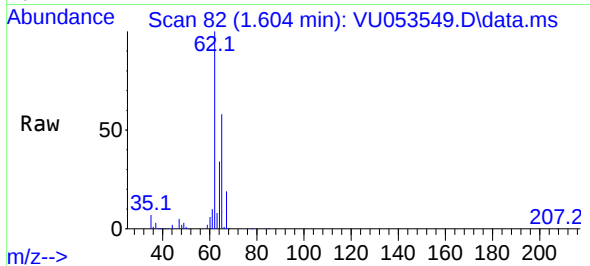




#5
 Vinyl chloride
 Concen: 57.501 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053549.D
 Acq: 04 Apr 2023 03:54

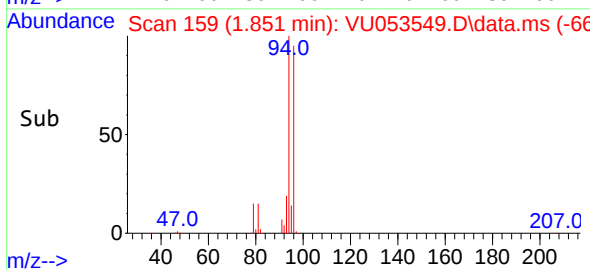
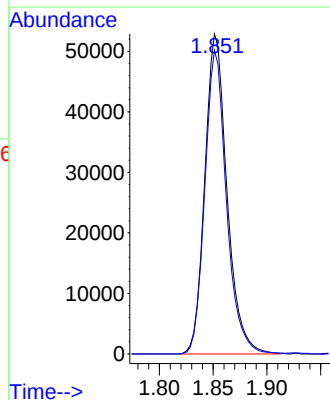
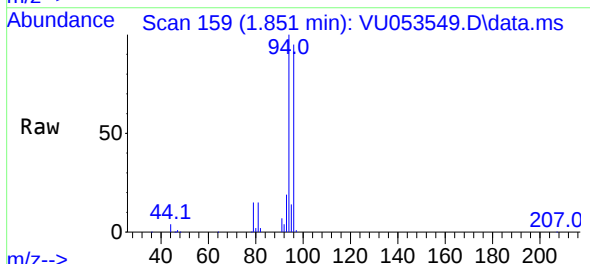
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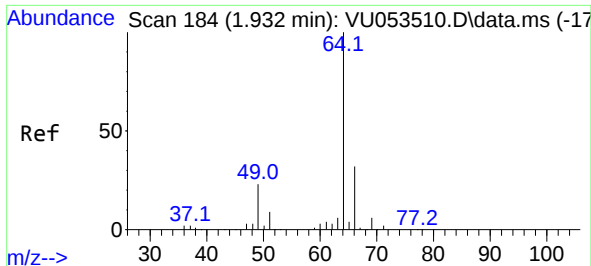
Tgt Ion: 62 Resp: 119000
 Ion Ratio Lower Upper
 62 100
 64 34.0 23.2 43.0



#6
 Bromomethane
 Concen: 50.398 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.000 min
 Lab File: VU053549.D
 Acq: 04 Apr 2023 03:54

Tgt Ion: 94 Resp: 75891
 Ion Ratio Lower Upper
 94 100
 96 94.9 64.4 119.6

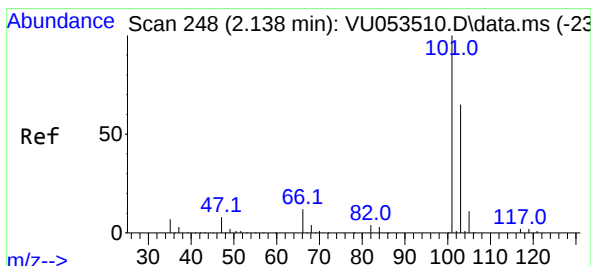
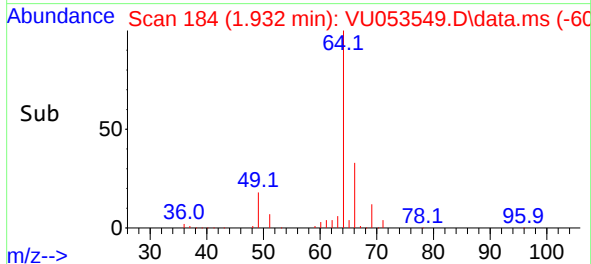
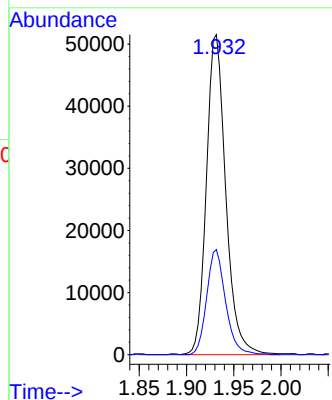
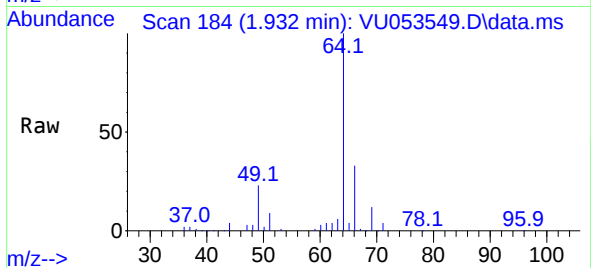




#8
Chloroethane
Concen: 58.985 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

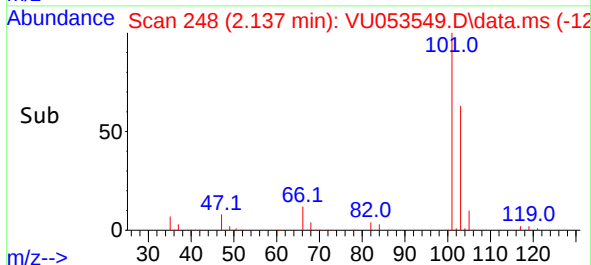
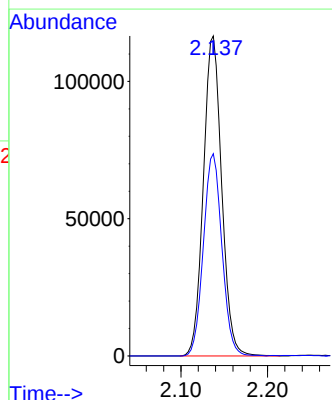
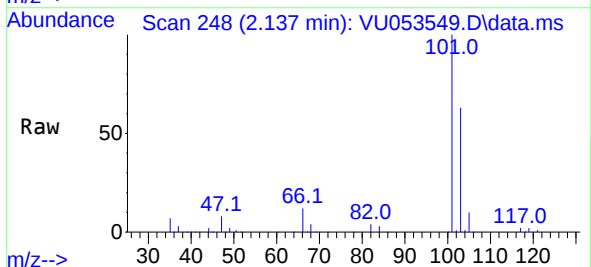
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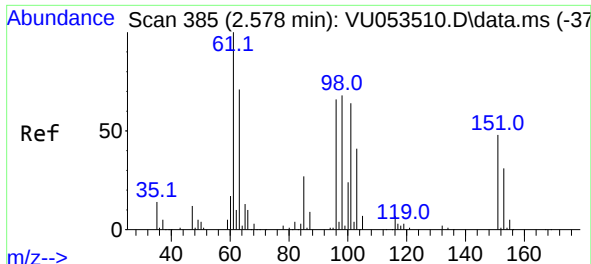
Tgt Ion: 64 Resp: 73419
Ion Ratio Lower Upper
64 100
66 32.8 21.8 40.6



#9
Trichlorofluoromethane
Concen: 53.753 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion:101 Resp: 171101
Ion Ratio Lower Upper
101 100
103 63.8 52.5 78.7

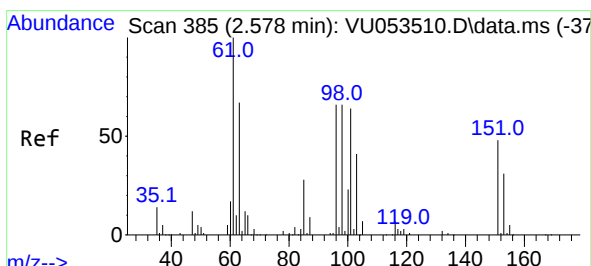
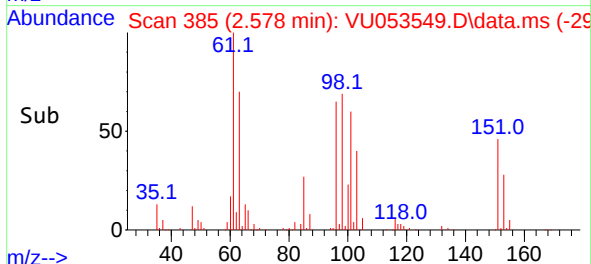
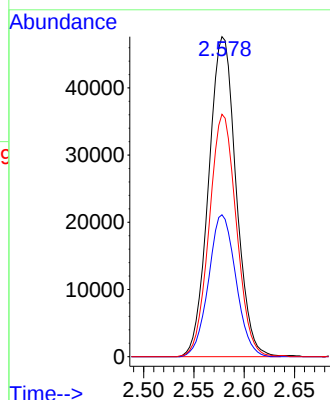
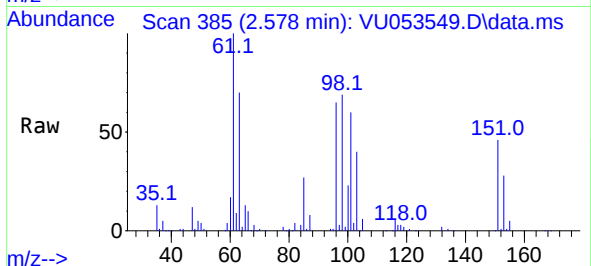




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 49.070 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

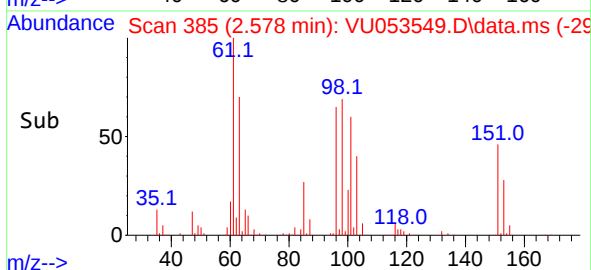
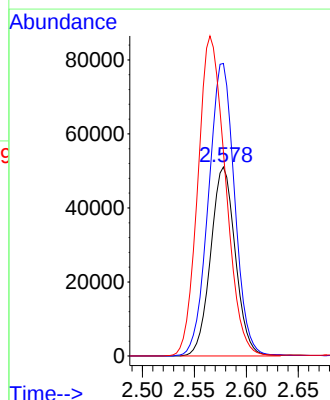
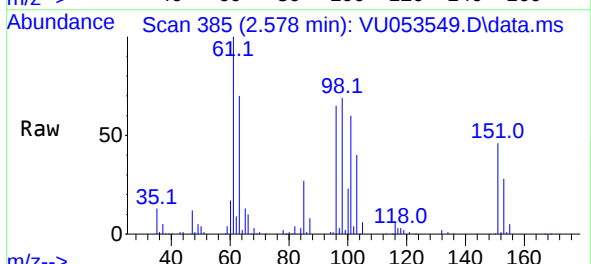
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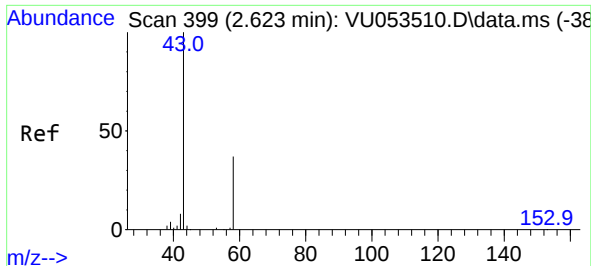
Tgt Ion:101 Resp: 90460
Ion Ratio Lower Upper
101 100
85 44.2 32.6 48.8
151 74.9 65.8 98.6



#12
1,1-Dichloroethene
Concen: 51.276 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion: 96 Resp: 84244
Ion Ratio Lower Upper
96 100
61 154.8 107.9 200.5
63 108.1 79.1 146.9





#13

Acetone

Concen: 80.109 ug/L

RT: 2.616 min Scan# 397

Delta R.T. -0.003 min

Lab File: VU053549.D

Acq: 04 Apr 2023 03:54

Instrument :

MSVOA_U

ClientSampleId :

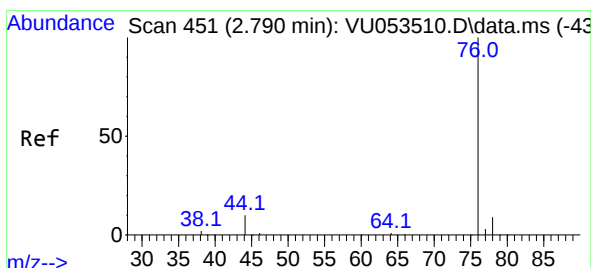
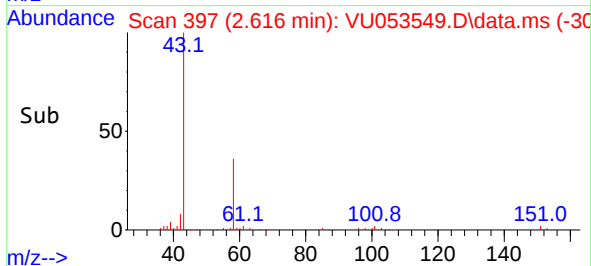
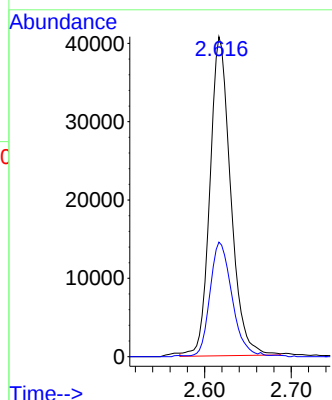
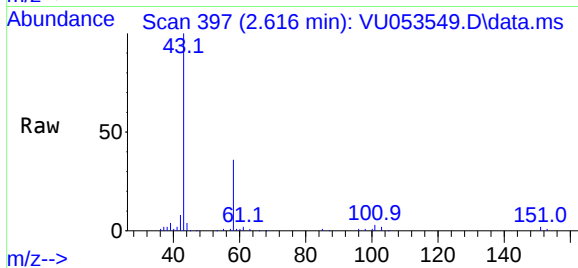
VSTD050181

Tgt Ion: 43 Resp: 67958

Ion Ratio Lower Upper

43 100

58 37.9 0.0 70.2



#14

Carbon disulfide

Concen: 53.085 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU053549.D

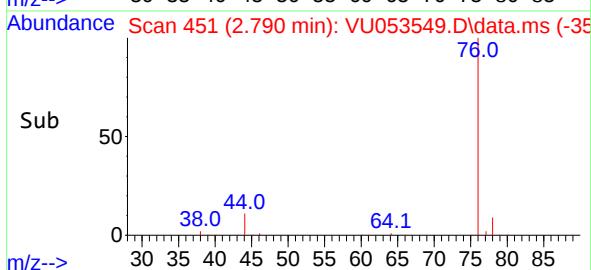
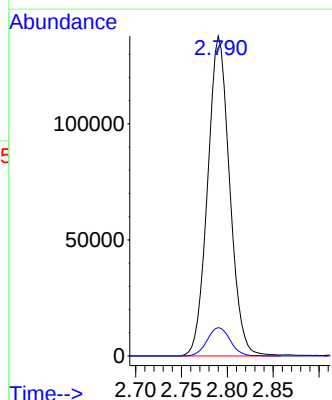
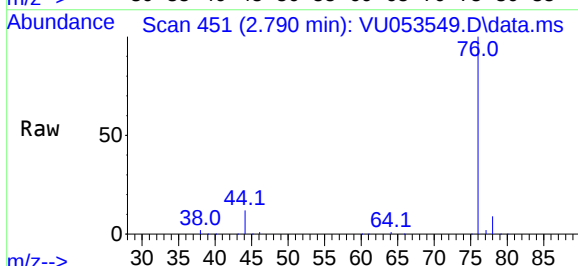
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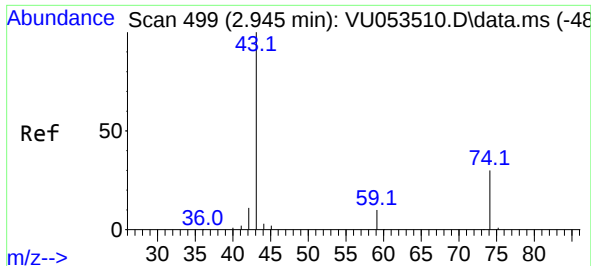
Tgt Ion: 76 Resp: 230707

Ion Ratio Lower Upper

76 100

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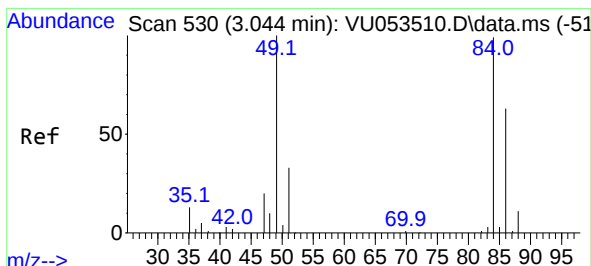
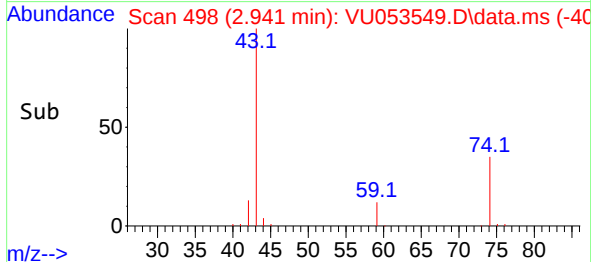
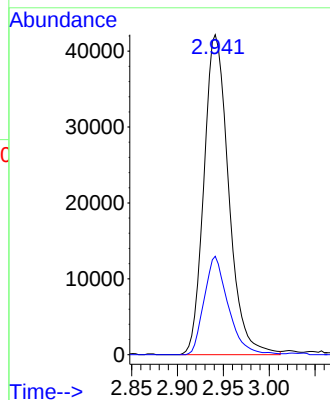
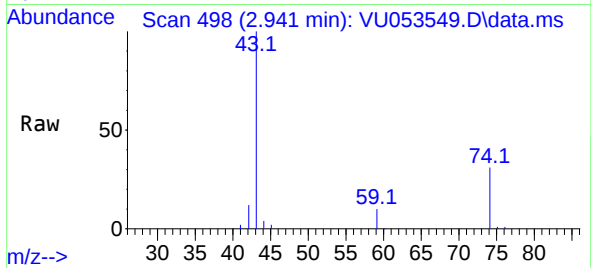




#15
Methyl Acetate
Concen: 60.991 ug/L
RT: 2.941 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

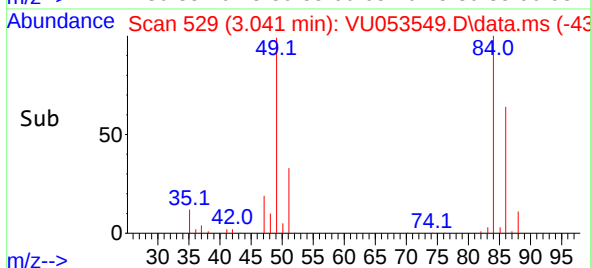
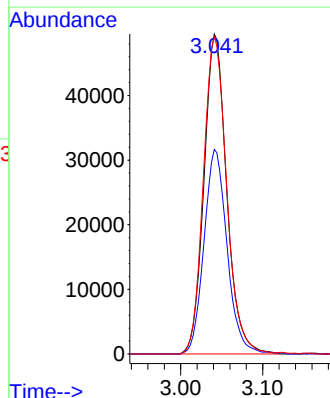
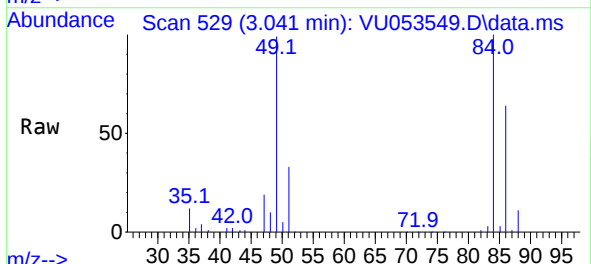
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

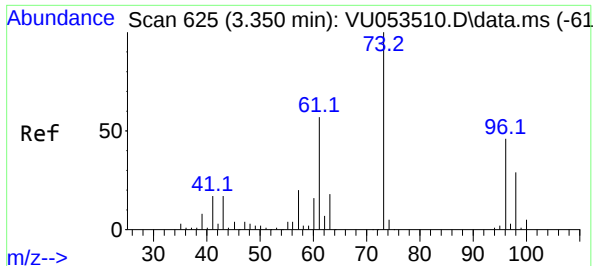
Tgt Ion: 43 Resp: 79250
Ion Ratio Lower Upper
43 100
74 29.7 22.0 33.0



#16
Methylene chloride
Concen: 51.783 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion: 84 Resp: 95624
Ion Ratio Lower Upper
84 100
86 63.9 43.5 80.9
49 99.2 69.7 129.5

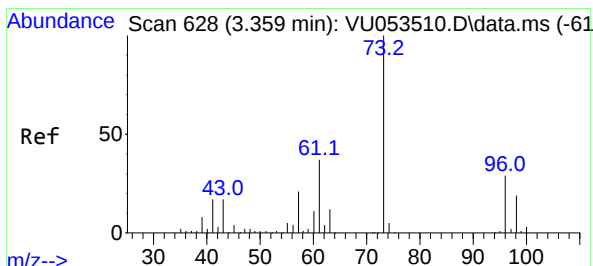
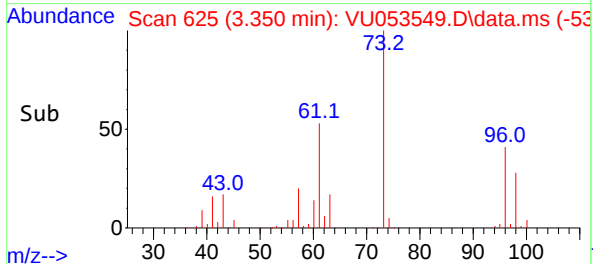
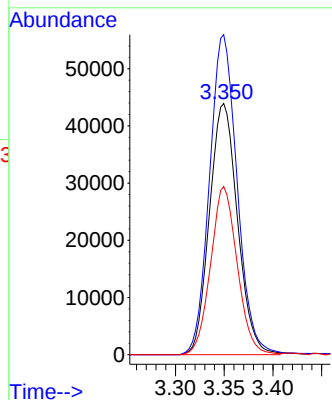
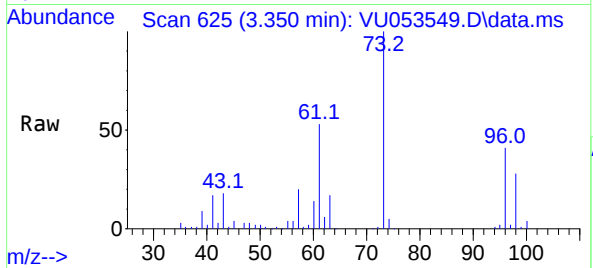




#17
trans-1,2-Dichloroethene
Concen: 53.311 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

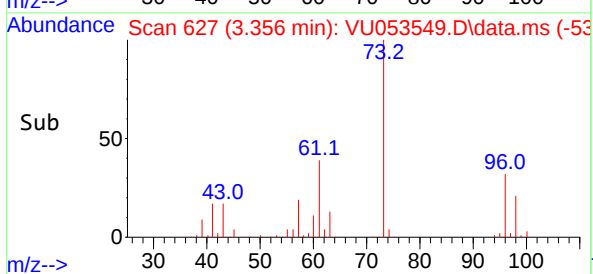
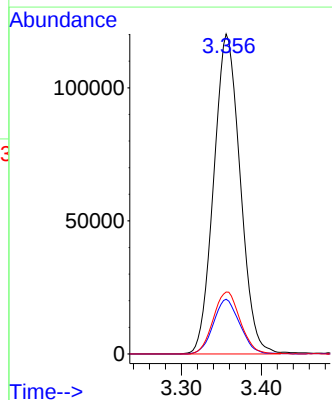
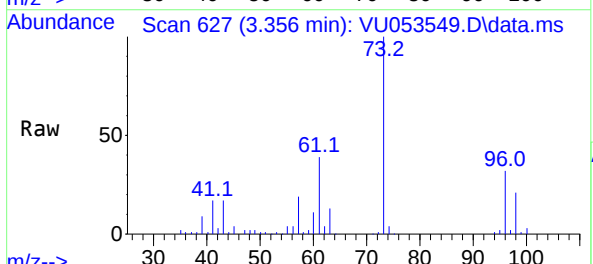
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

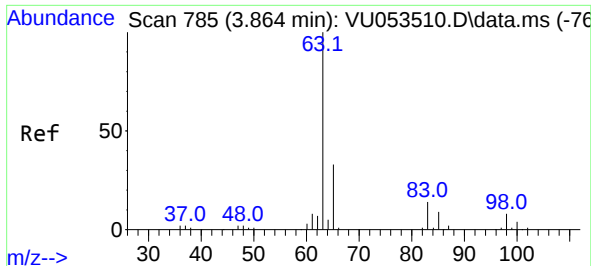
Tgt Ion: 96 Resp: 88025
Ion Ratio Lower Upper
96 100
61 127.4 84.4 156.8
98 66.9 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 57.292 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion: 73 Resp: 275730
Ion Ratio Lower Upper
73 100
43 17.2 13.8 20.8
57 19.8 15.9 23.9

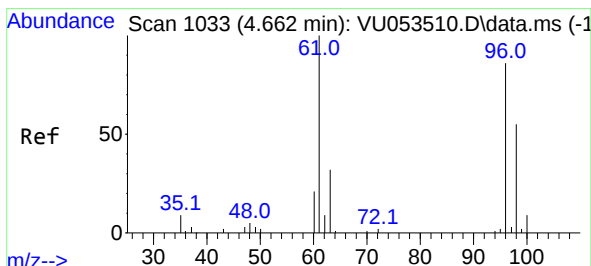
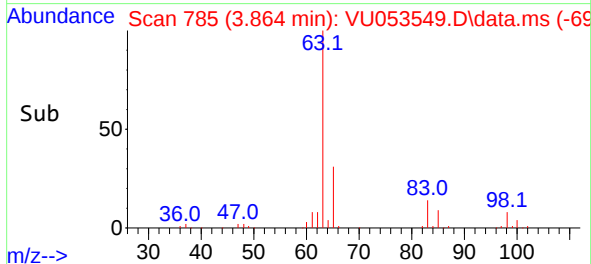
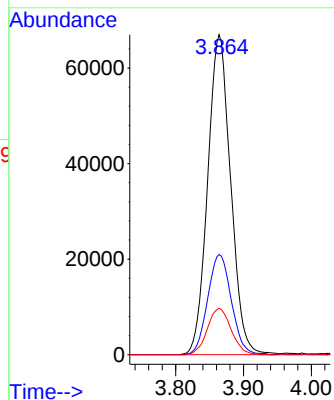
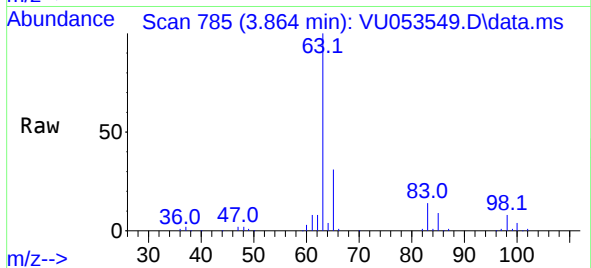




#19
1,1-Dichloroethane
Concen: 57.727 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

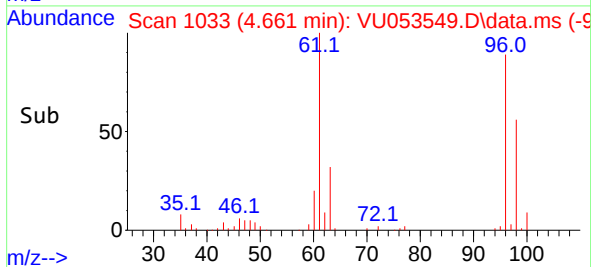
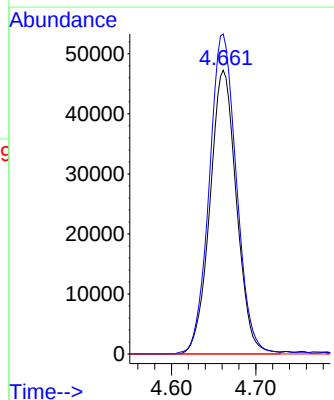
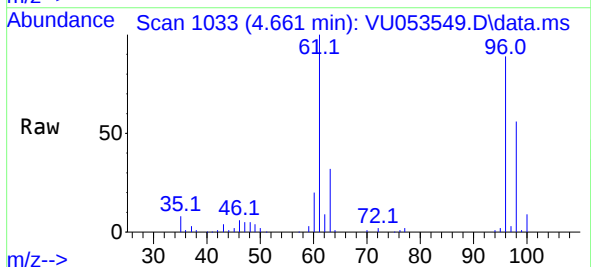
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

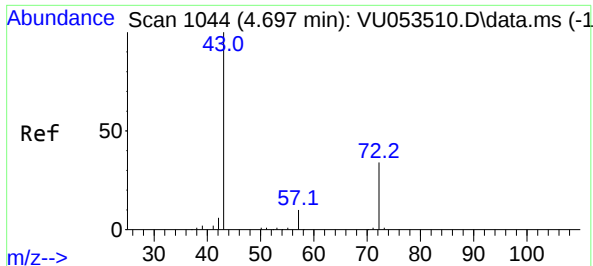
Tgt Ion: 63 Resp: 157891
Ion Ratio Lower Upper
63 100
65 31.3 22.0 41.0
83 14.5 10.8 20.0



#20
cis-1,2-Dichloroethene
Concen: 54.250 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion: 96 Resp: 103464
Ion Ratio Lower Upper
96 100
61 112.8 74.7 138.7
68 0.0 0.0 0.0

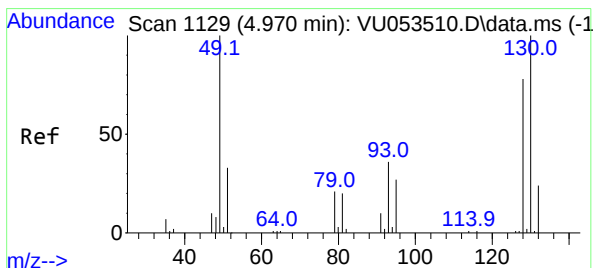
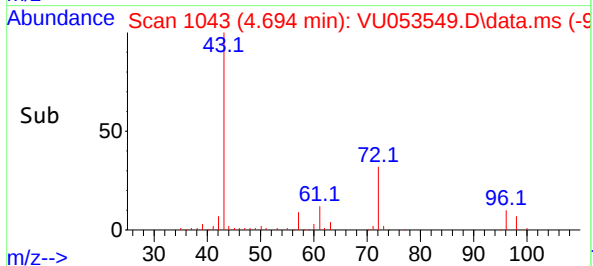
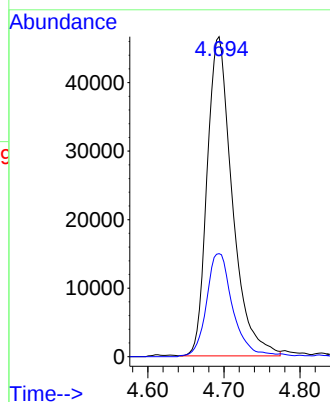
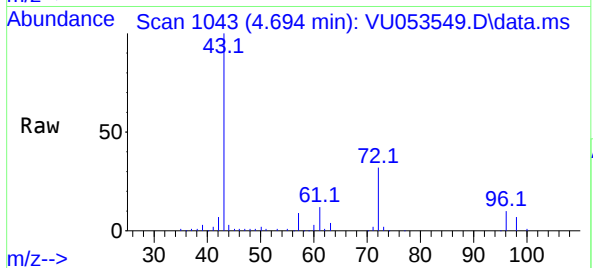




#22
2-Butanone
Concen: 104.225 ug/L
RT: 4.694 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

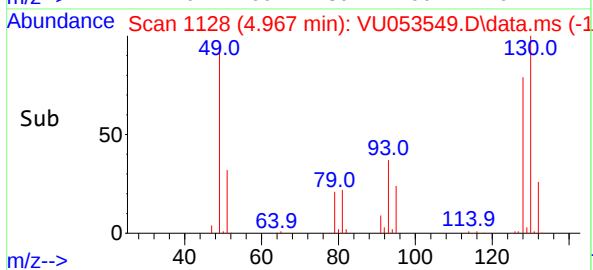
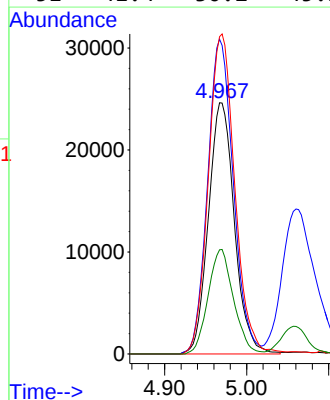
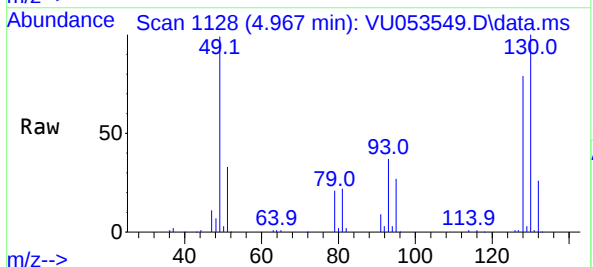
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

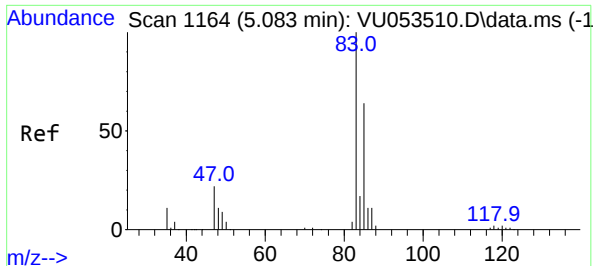
Tgt Ion: 43 Resp: 107115
Ion Ratio Lower Upper
43 100
72 33.6 15.8 47.3



#23
Bromochloromethane
Concen: 51.011 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion:128 Resp: 54190
Ion Ratio Lower Upper
128 100
49 125.3 81.5 151.3
130 126.3 91.8 170.4
51 41.4 30.2 45.2





#25

Chloroform

Concen: 54.680 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053549.D

Acq: 04 Apr 2023 03:54

Instrument :

MSVOA_U

ClientSampleId :

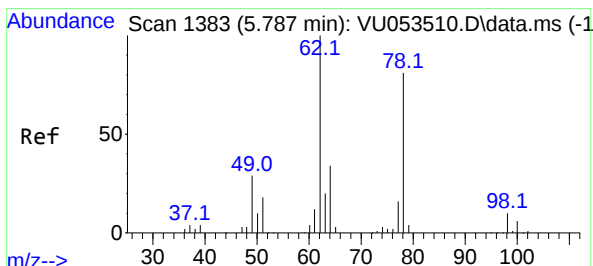
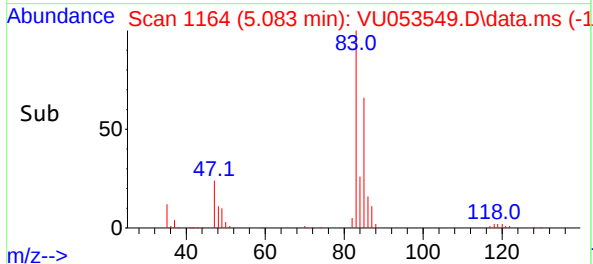
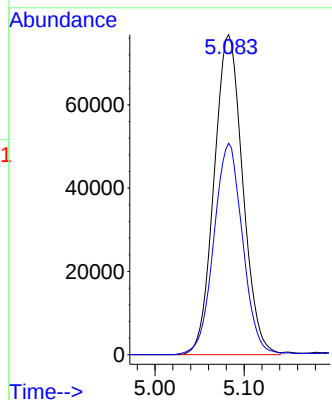
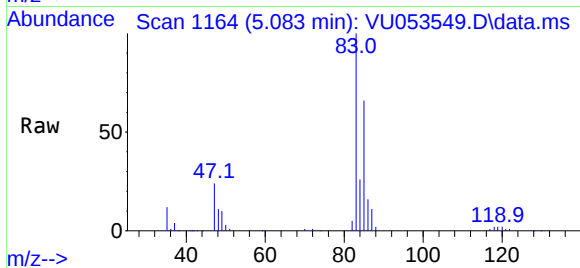
VSTD050181

Tgt Ion: 83 Resp: 171537

Ion Ratio Lower Upper

83 100

85 66.0 46.1 85.5



#27

1,2-Dichloroethane

Concen: 56.828 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VU053549.D

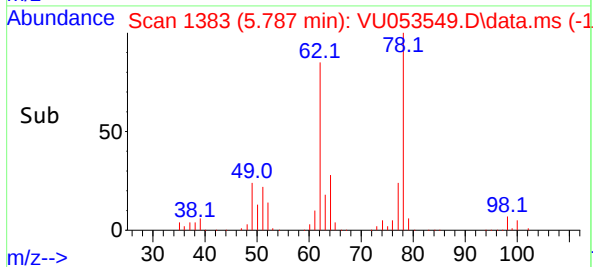
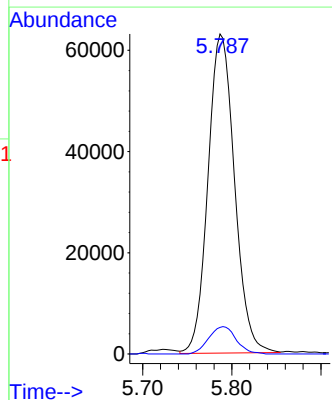
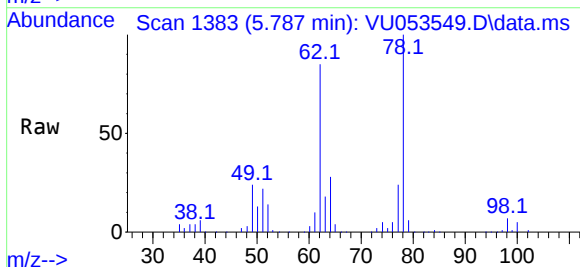
Acq: 04 Apr 2023 03:54

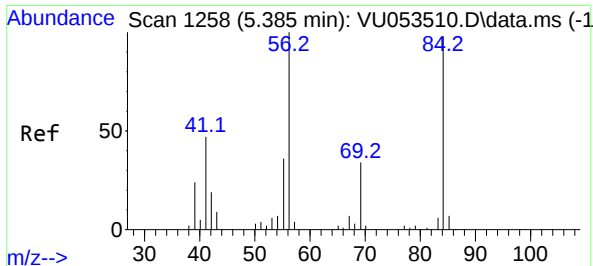
Tgt Ion: 62 Resp: 130559

Ion Ratio Lower Upper

62 100

98 8.3 8.3 12.5





#29

Cyclohexane

Concen: 54.104 ug/L

RT: 5.385 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053549.D

Acq: 04 Apr 2023 03:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD050181

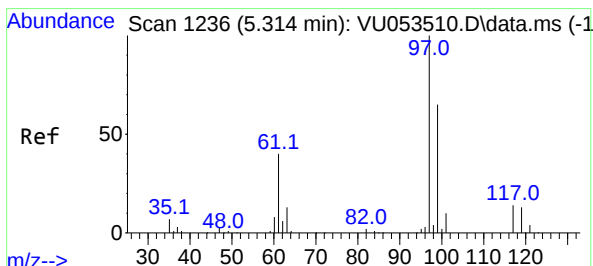
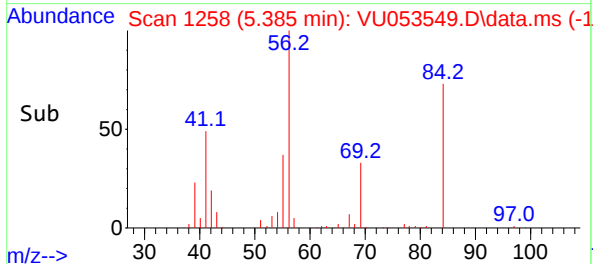
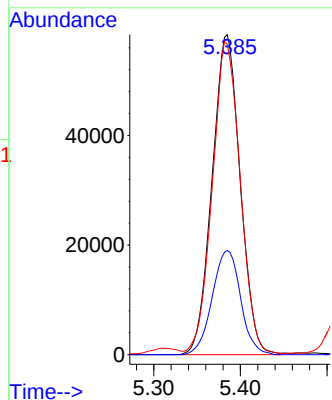
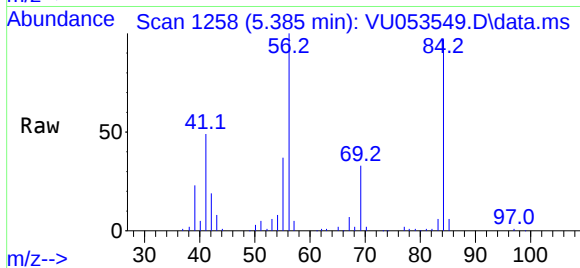
Tgt Ion: 56 Resp: 131411

Ion Ratio Lower Upper

56 100

69 32.9 27.3 40.9

84 97.0 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 53.321 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053549.D

Acq: 04 Apr 2023 03:54

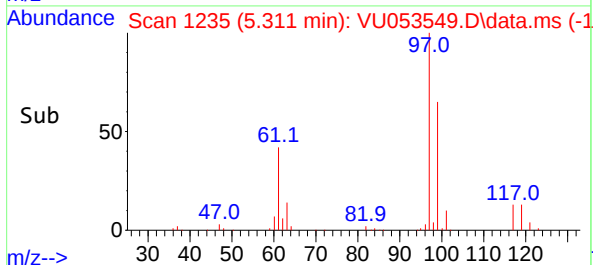
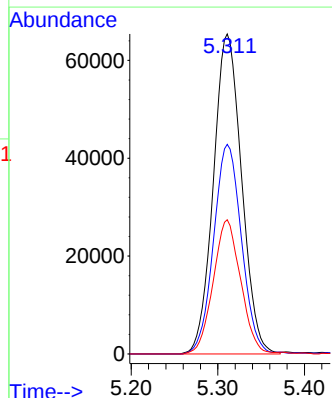
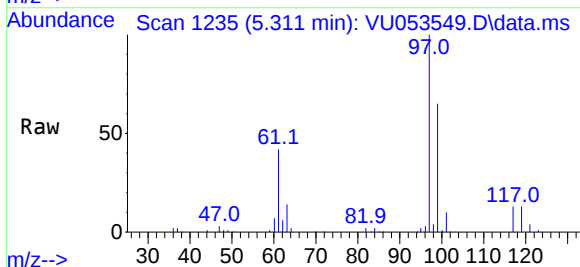
Tgt Ion: 97 Resp: 148234

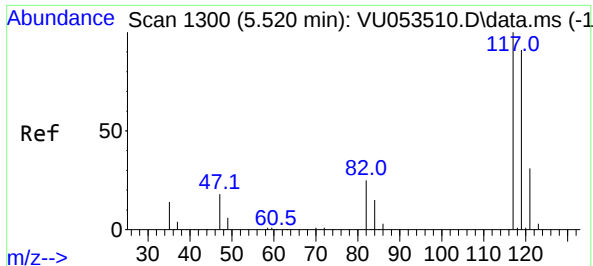
Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 40.7 31.0 46.4

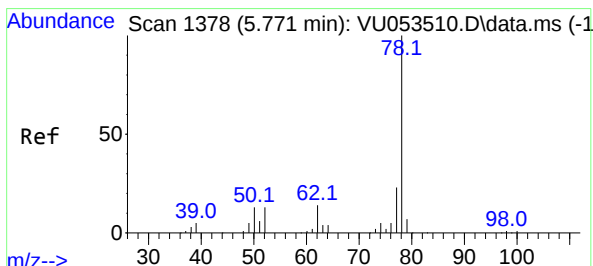
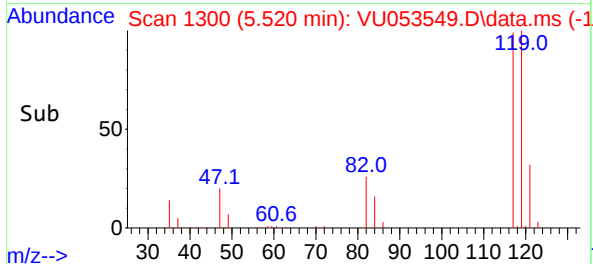
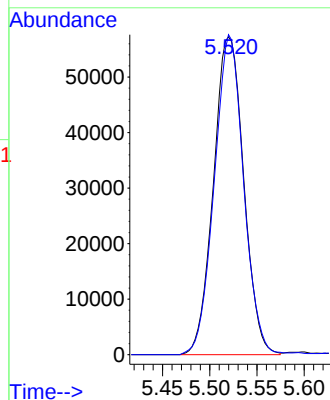
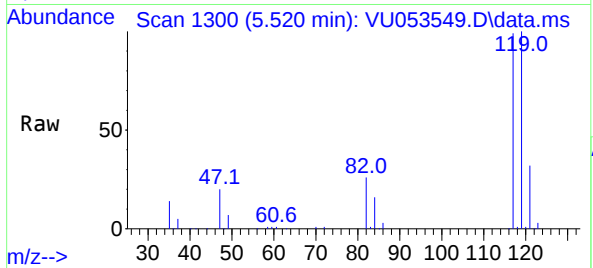




#31
Carbon tetrachloride
Concen: 51.107 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

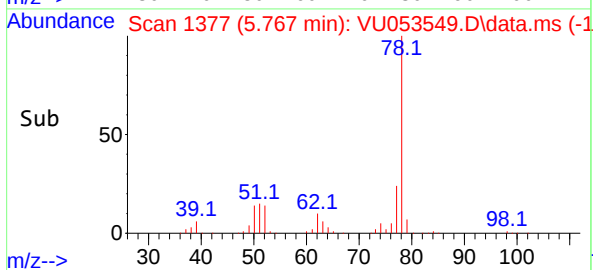
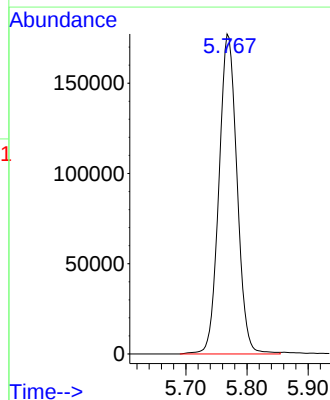
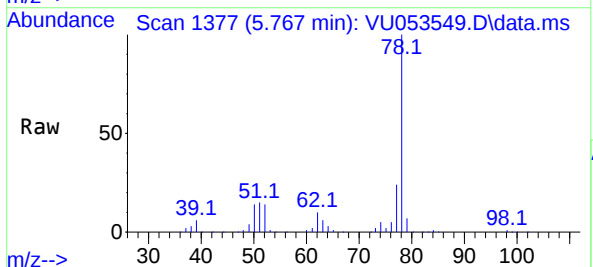
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

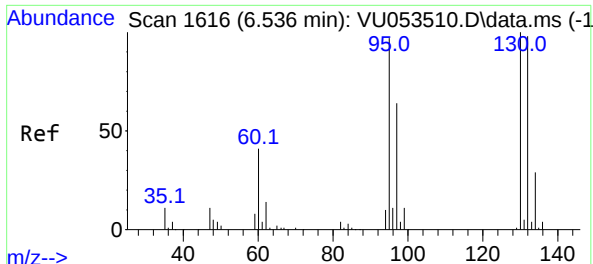
Tgt Ion:117 Resp: 127297
Ion Ratio Lower Upper
117 100
119 97.4 76.9 115.3



#33
Benzene
Concen: 55.406 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion: 78 Resp: 364213

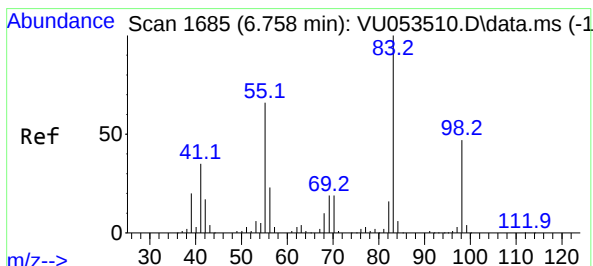
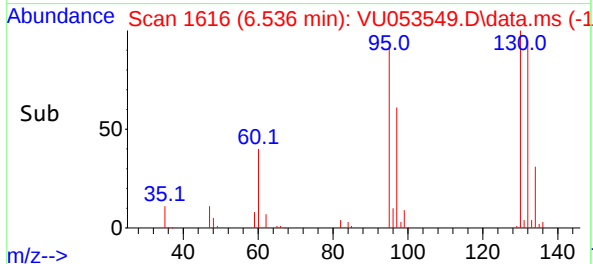
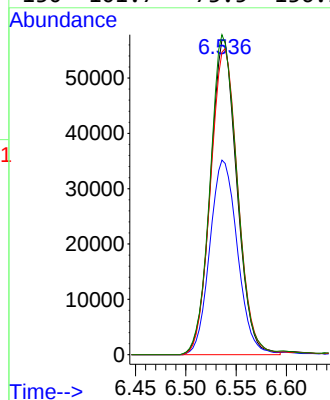
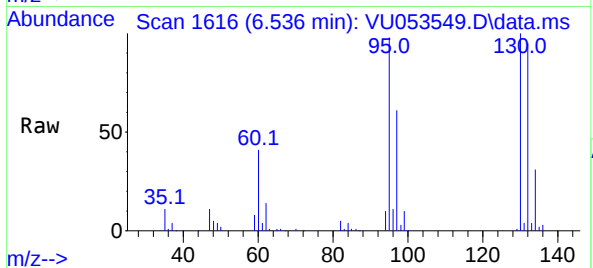




#34
Trichloroethene
Concen: 52.503 ug/L
RT: 6.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

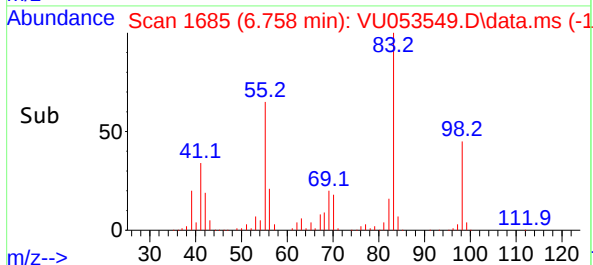
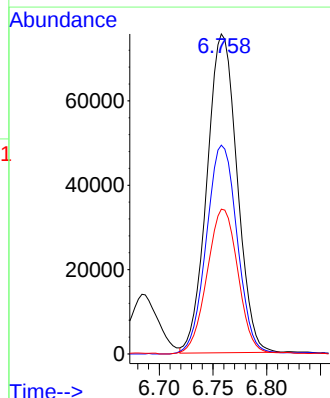
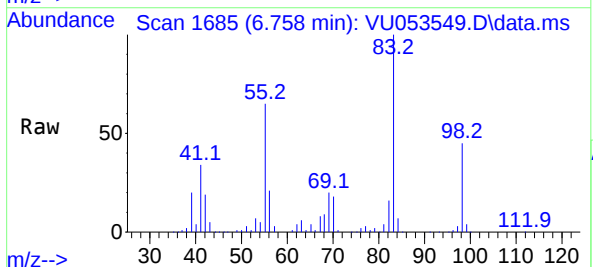
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

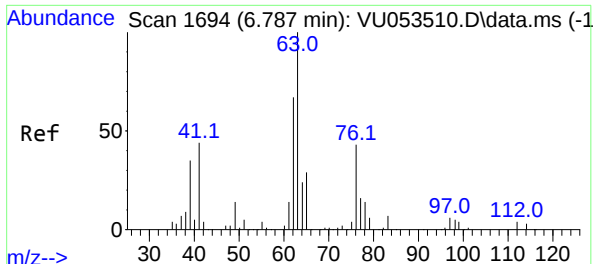
Tgt Ion: 95 Resp: 104386
Ion Ratio Lower Upper
95 100
97 61.8 45.1 83.7
132 96.1 74.1 137.5
130 101.7 73.5 136.5



#35
Methylcyclohexane
Concen: 50.517 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion: 83 Resp: 147634
Ion Ratio Lower Upper
83 100
55 67.2 53.0 79.6
98 46.7 39.0 58.6

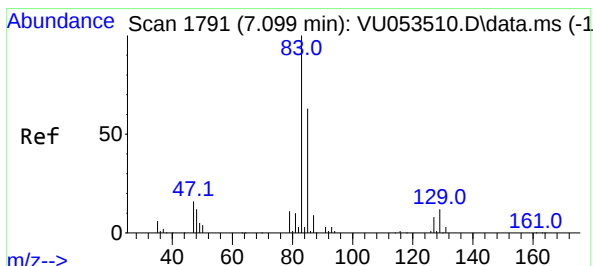
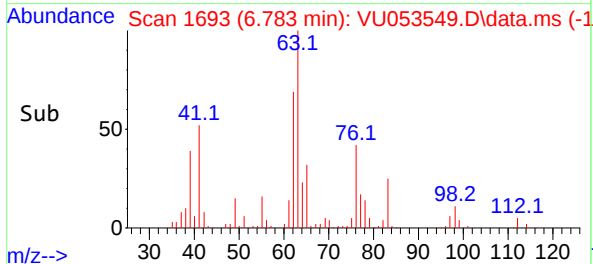
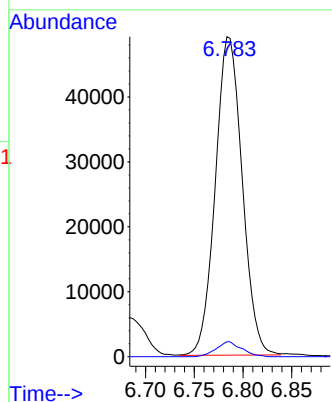
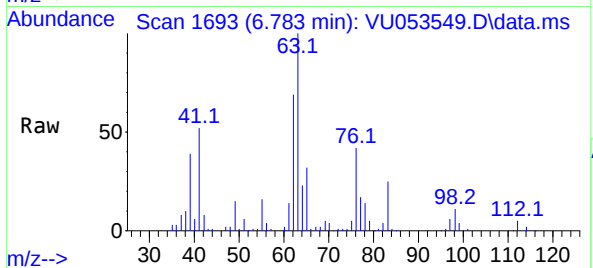




#37
1,2-Dichloropropane
Concen: 56.344 ug/L
RT: 6.783 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

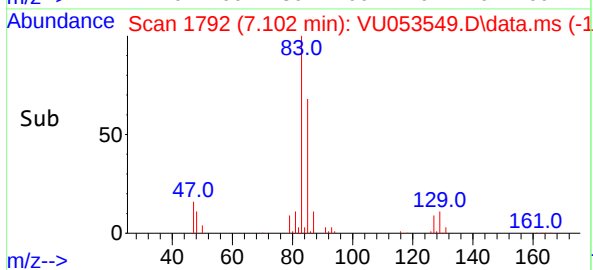
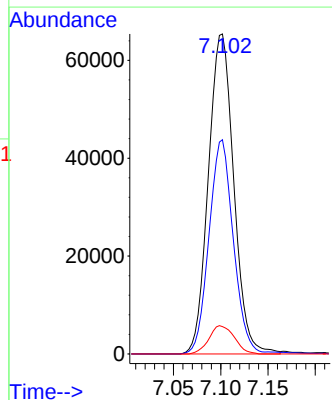
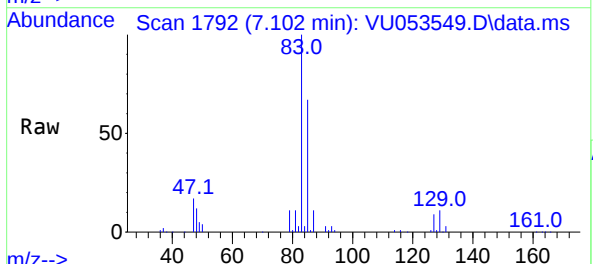
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

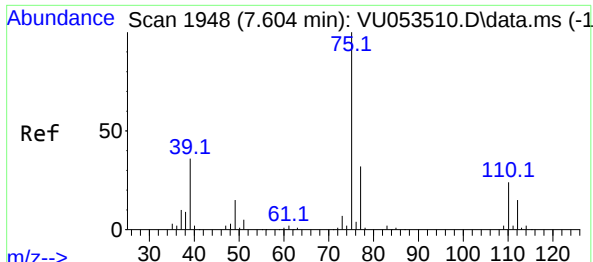
Tgt Ion: 63 Resp: 94046
Ion Ratio Lower Upper
63 100
112 4.4 3.8 5.6



#38
Bromodichloromethane
Concen: 54.892 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion: 83 Resp: 122228
Ion Ratio Lower Upper
83 100
85 66.9 44.4 82.5
127 8.6 8.0 12.0

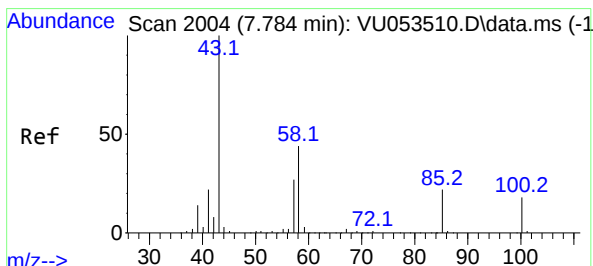
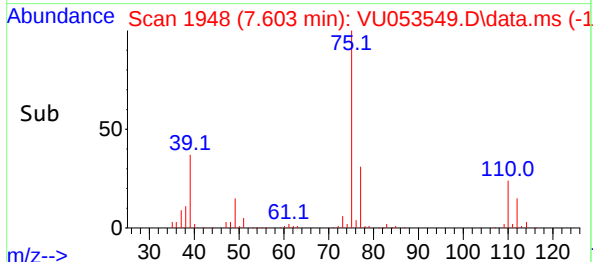
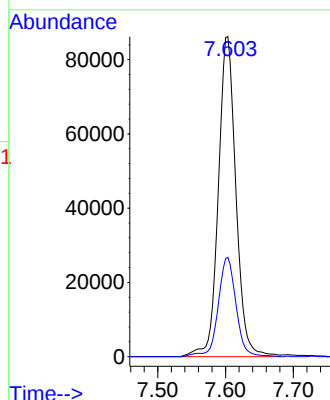
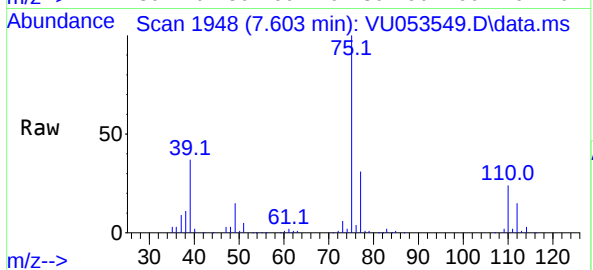




#39
 cis-1,3-Dichloropropene
 Concen: 57.103 ug/L
 RT: 7.603 min Scan# 1948
 Delta R.T. 0.003 min
 Lab File: VU053549.D
 Acq: 04 Apr 2023 03:54

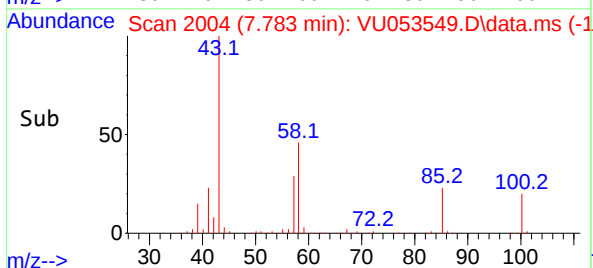
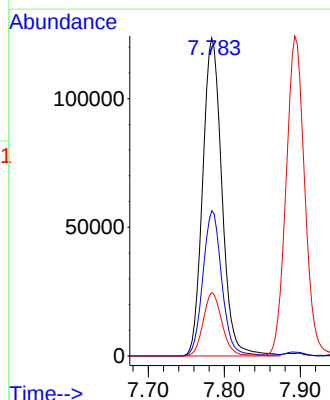
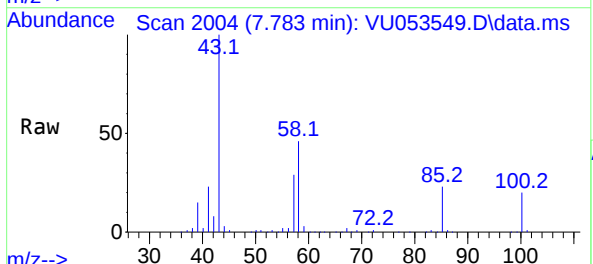
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050181

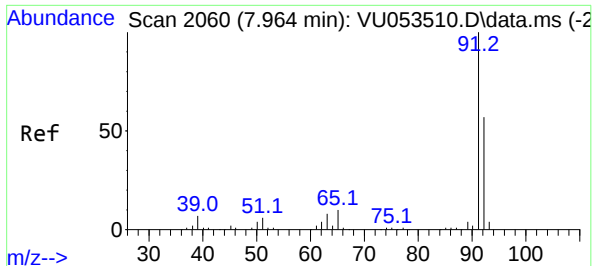
Tgt Ion: 75 Resp: 155752
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 120.106 ug/L
 RT: 7.783 min Scan# 2004
 Delta R.T. -0.000 min
 Lab File: VU053549.D
 Acq: 04 Apr 2023 03:54

Tgt Ion: 43 Resp: 217852
 Ion Ratio Lower Upper
 43 100
 58 45.0 35.5 53.3
 100 19.3 15.8 23.8





#42

Toluene

Concen: 53.545 ug/L

RT: 7.963 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU053549.D

Acq: 04 Apr 2023 03:54

Instrument :

MSVOA_U

ClientSampleId :

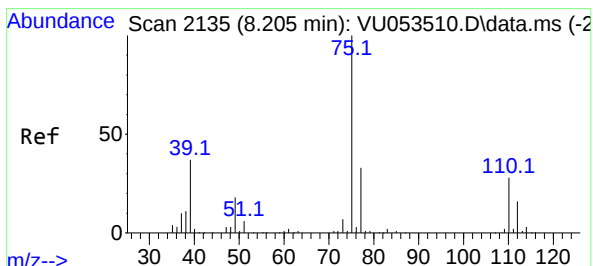
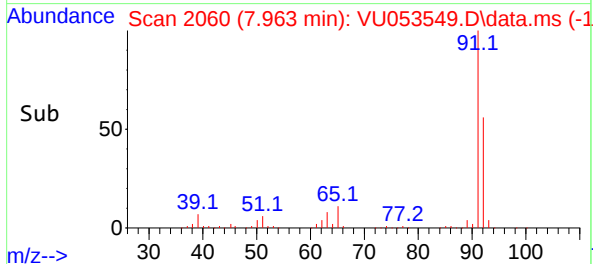
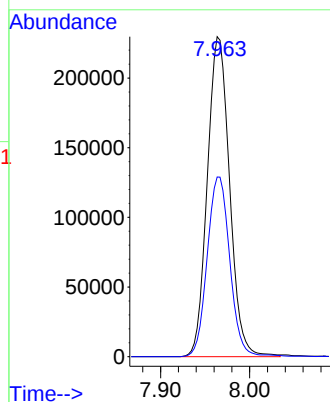
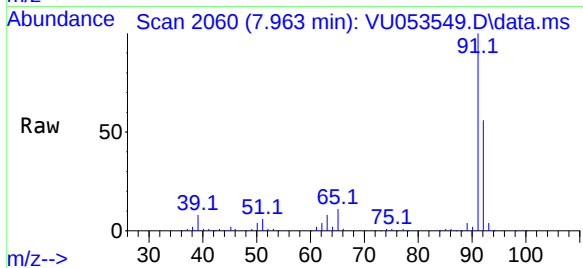
VSTD050181

Tgt Ion: 91 Resp: 398881

Ion Ratio Lower Upper

91 100

92 56.2 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 55.674 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053549.D

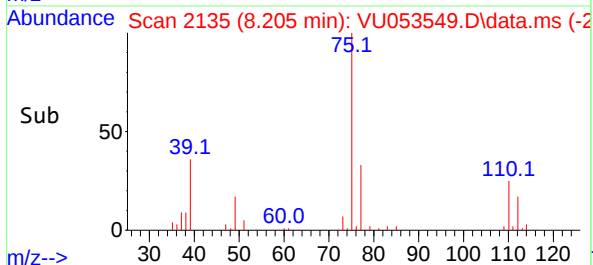
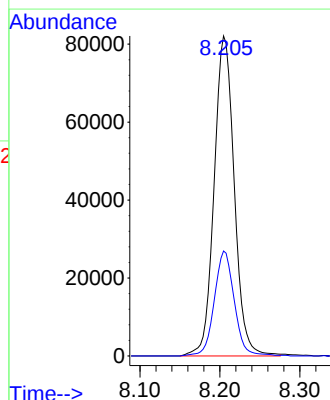
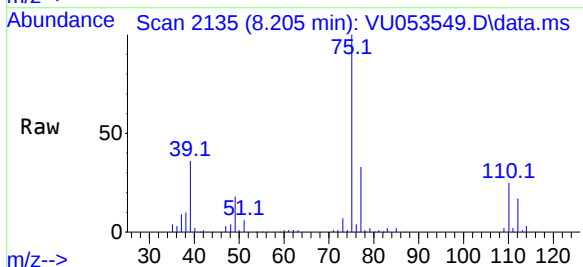
Acq: 04 Apr 2023 03:54

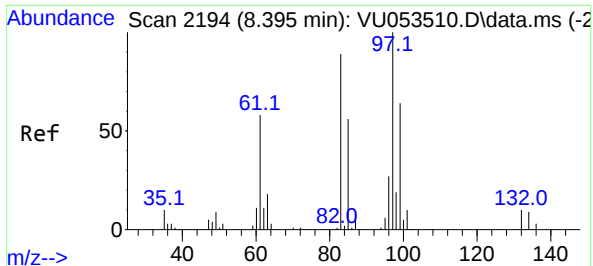
Tgt Ion: 75 Resp: 143557

Ion Ratio Lower Upper

75 100

77 32.8 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 54.368 ug/L

RT: 8.394 min Scan# 2194

Delta R.T. -0.000 min

Lab File: VU053549.D

Acq: 04 Apr 2023 03:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD050181

Tgt Ion: 97 Resp: 99634

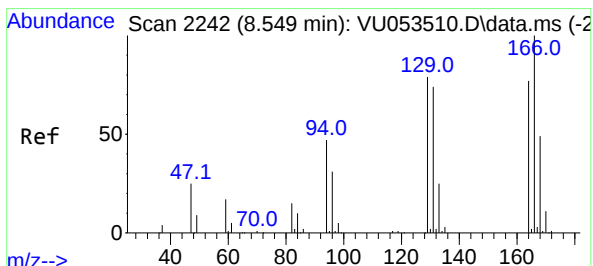
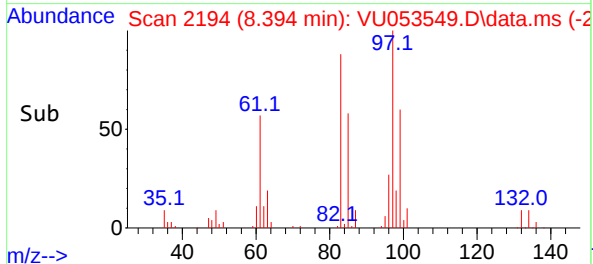
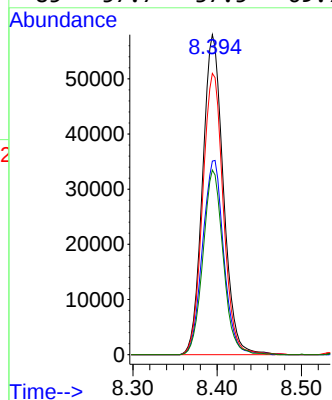
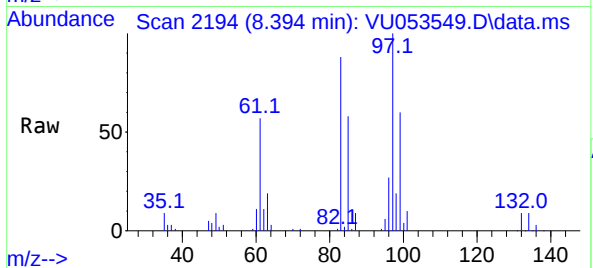
Ion Ratio Lower Upper

97 100

99 60.5 43.8 81.3

83 87.9 59.0 109.6

85 57.7 37.5 69.7



#46

Tetrachloroethene

Concen: 46.492 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU053549.D

Acq: 04 Apr 2023 03:54

Tgt Ion:164 Resp: 76705

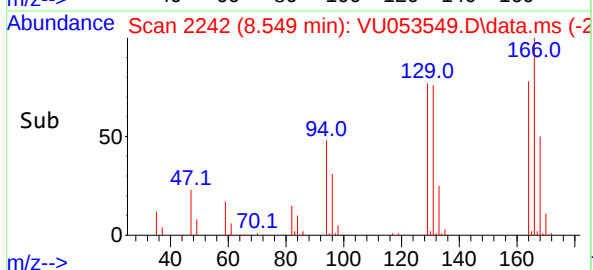
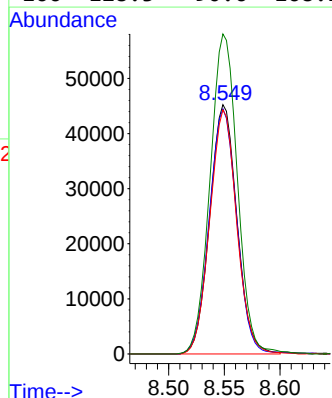
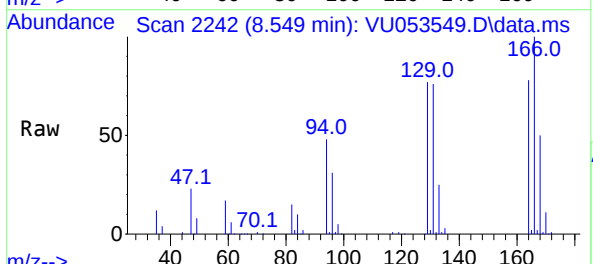
Ion Ratio Lower Upper

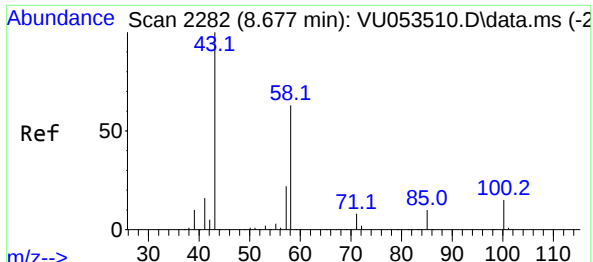
164 100

129 98.3 64.0 119.0

131 97.9 61.9 115.1

166 128.3 90.6 168.2



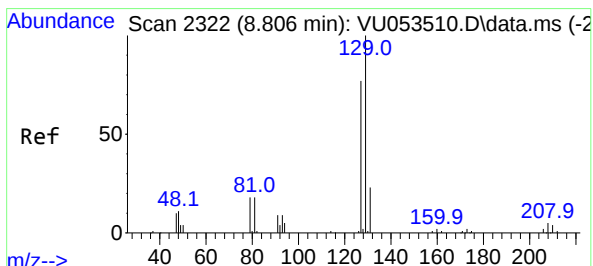
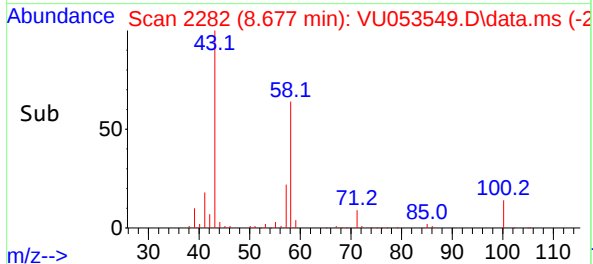
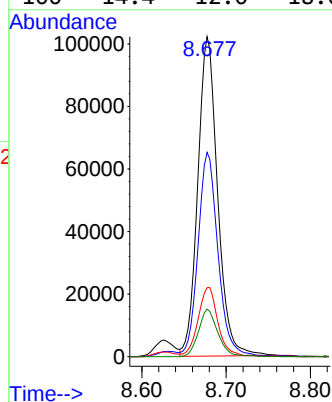
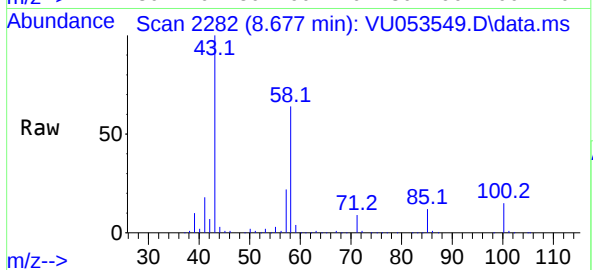


#48
2-Hexanone
Concen: 114.277 ug/L
RT: 8.677 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

Tgt Ion: 43 Resp: 167672

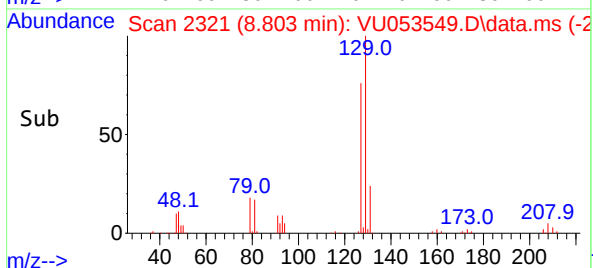
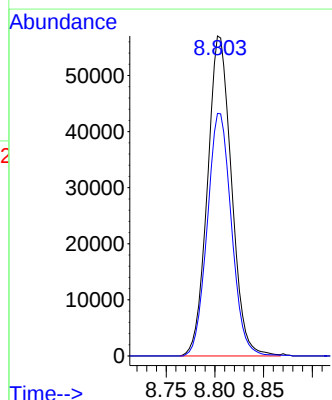
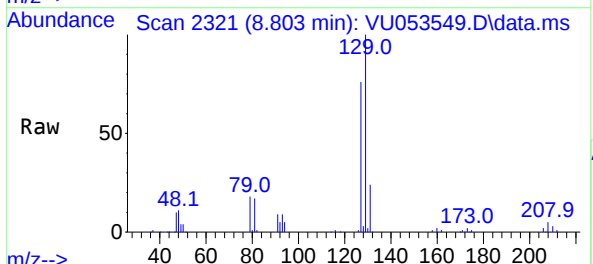
Ion	Ratio	Lower	Upper
43	100		
58	64.1	49.8	74.6
57	20.9	17.8	26.6
100	14.4	12.0	18.0

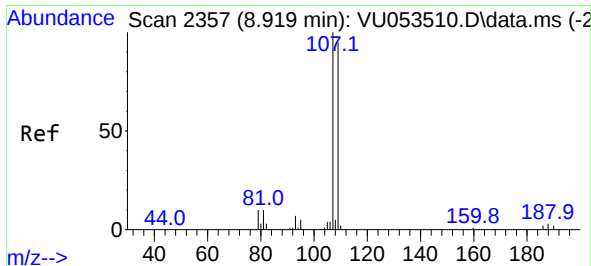


#49
Dibromochloromethane
Concen: 51.506 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion: 129 Resp: 98146

Ion	Ratio	Lower	Upper
129	100		
127	75.8	53.5	99.3

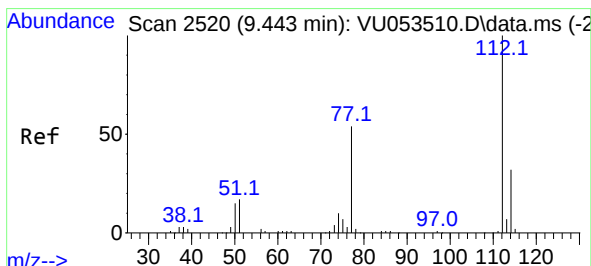
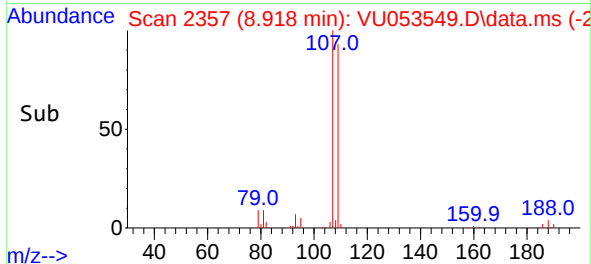
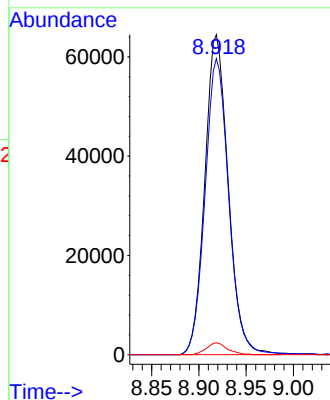
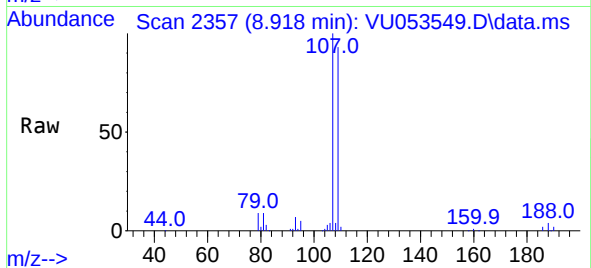




#50
1,2-Dibromoethane
Concen: 54.182 ug/L
RT: 8.918 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

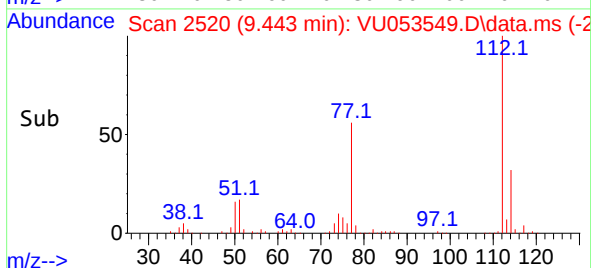
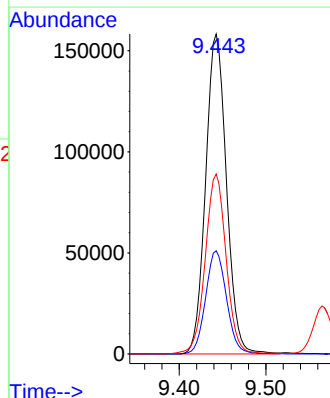
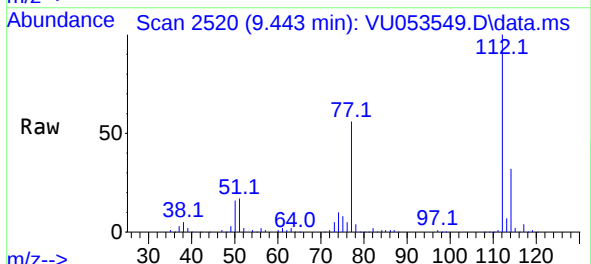
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

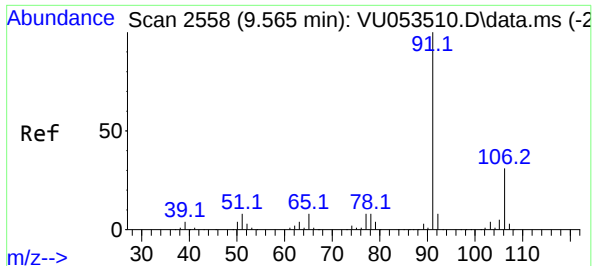
Tgt Ion:107 Resp: 111088
Ion Ratio Lower Upper
107 100
109 92.5 66.3 123.1
188 3.7 3.0 4.4



#51
Chlorobenzene
Concen: 51.471 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion:112 Resp: 264183
Ion Ratio Lower Upper
112 100
114 32.3 22.2 41.2
77 56.3 41.3 61.9





#52

Ethylbenzene

Concen: 53.187 ug/L

RT: 9.565 min Scan# 2558

Delta R.T. -0.000 min

Lab File: VU053549.D

Acq: 04 Apr 2023 03:54

Instrument :

MSVOA_U

ClientSampleId :

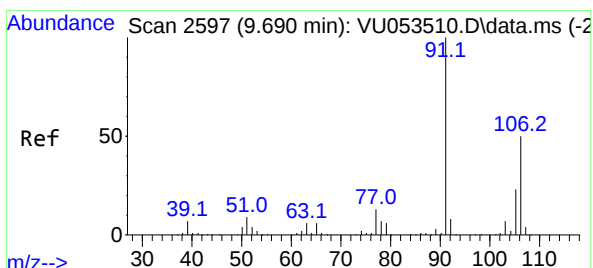
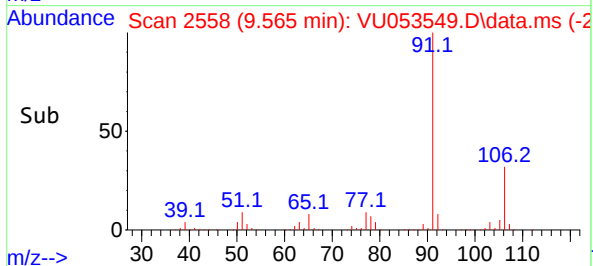
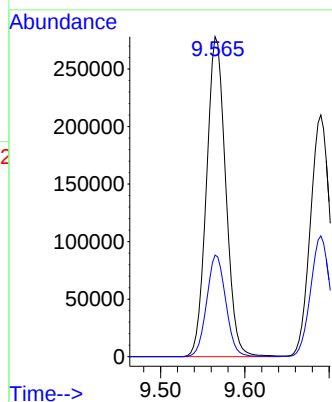
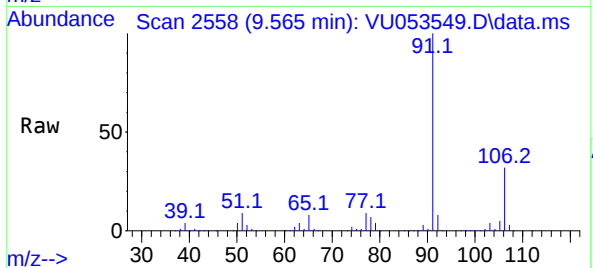
VSTD050181

Tgt Ion: 91 Resp: 441064

Ion Ratio Lower Upper

91 100

106 31.7 22.4 41.6



#53

m,p-Xylene

Concen: 52.962 ug/L

RT: 9.690 min Scan# 2597

Delta R.T. -0.000 min

Lab File: VU053549.D

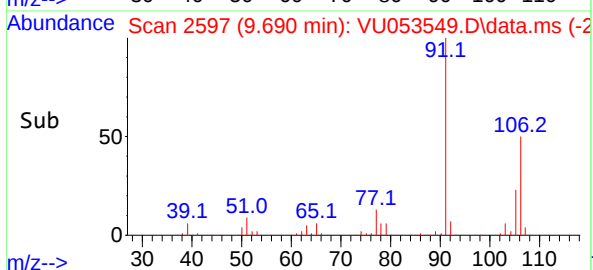
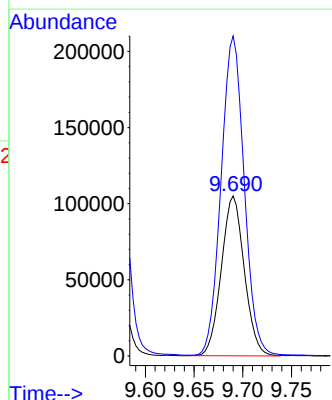
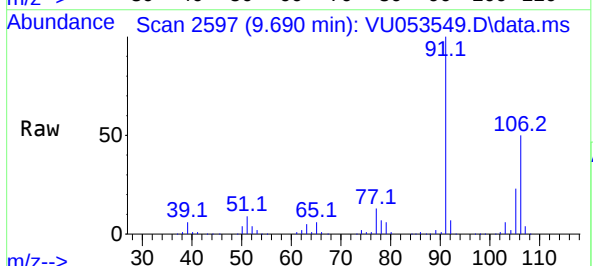
Acq: 04 Apr 2023 03:54

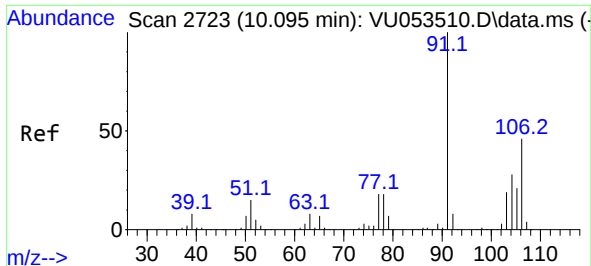
Tgt Ion:106 Resp: 171771

Ion Ratio Lower Upper

106 100

91 200.1 140.0 260.0

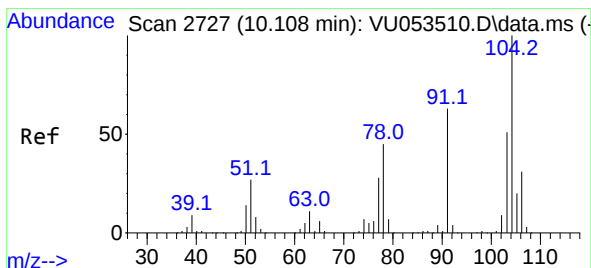
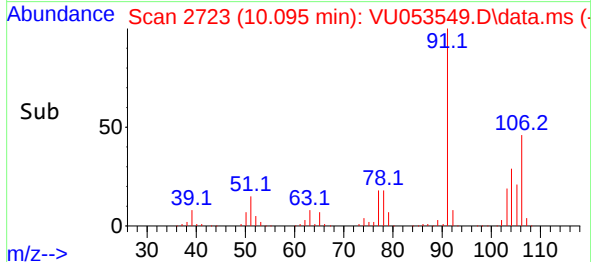
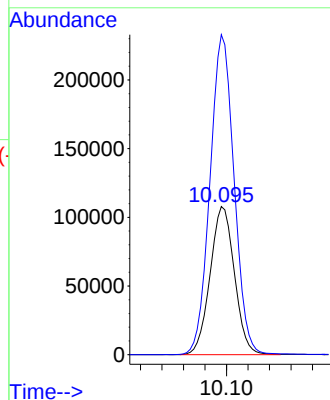
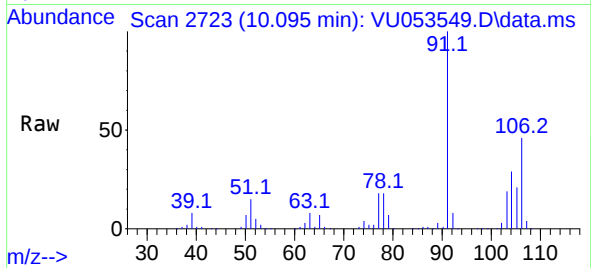




#54
o-xylene
Concen: 52.833 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

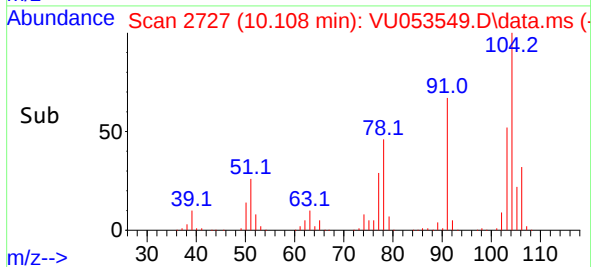
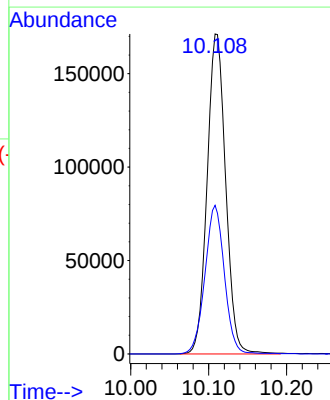
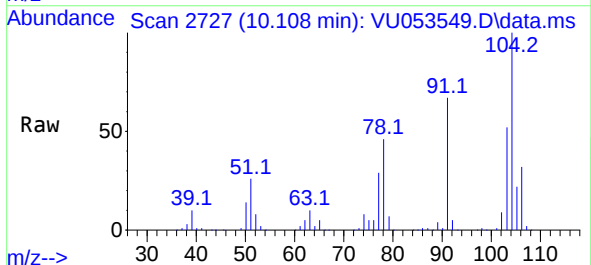
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

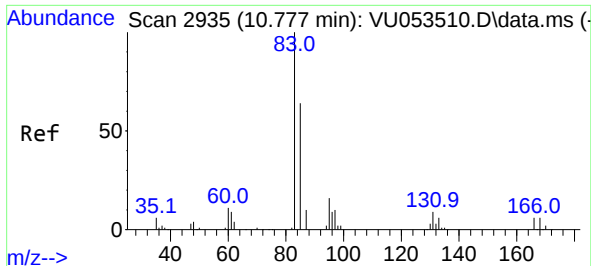
Tgt Ion:106 Resp: 169416
Ion Ratio Lower Upper
106 100
91 215.9 144.9 269.1



#55
Styrene
Concen: 54.244 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion:104 Resp: 283315
Ion Ratio Lower Upper
104 100
78 46.5 31.3 58.1

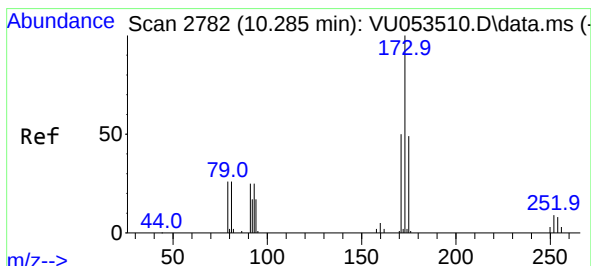
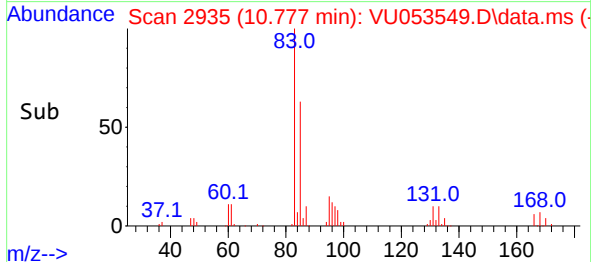
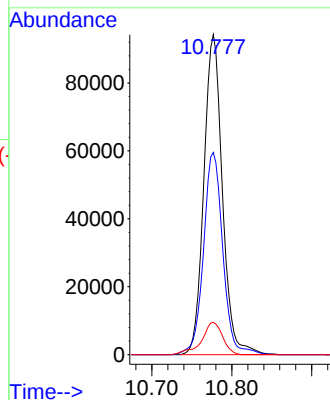
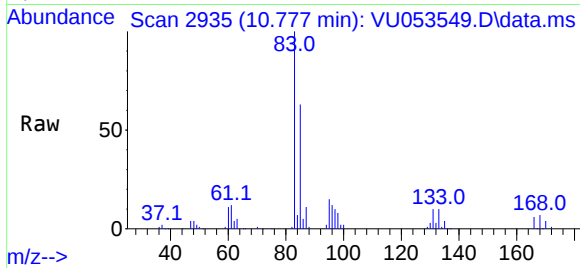




#57
1,1,2,2-Tetrachloroethane
Concen: 56.633 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

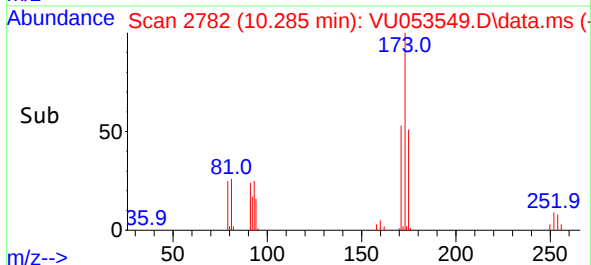
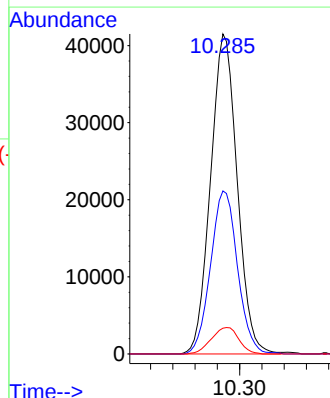
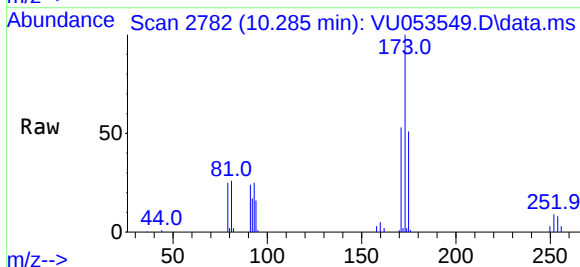
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

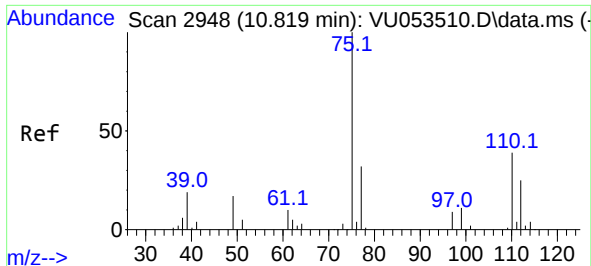
Tgt Ion: 83 Resp: 152380
Ion Ratio Lower Upper
83 100
85 63.2 47.0 87.4
131 10.1 8.7 13.1



#59
Bromoform
Concen: 49.671 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion:173 Resp: 68807
Ion Ratio Lower Upper
173 100
175 51.6 39.0 58.6
254 8.6 7.0 10.4

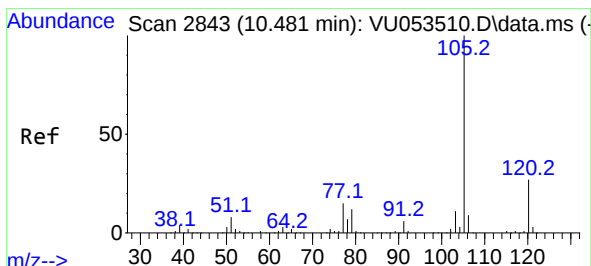
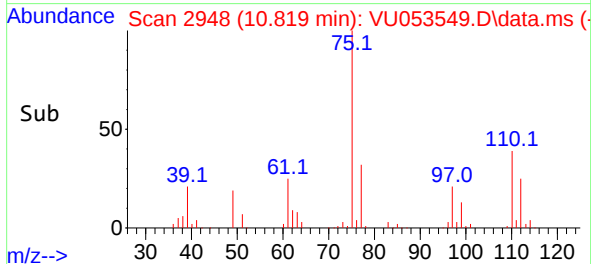
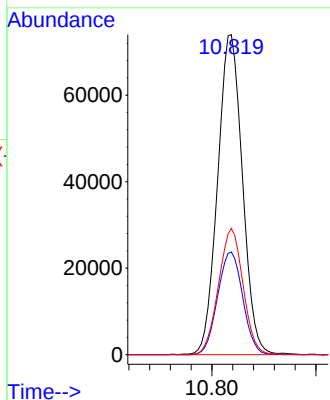
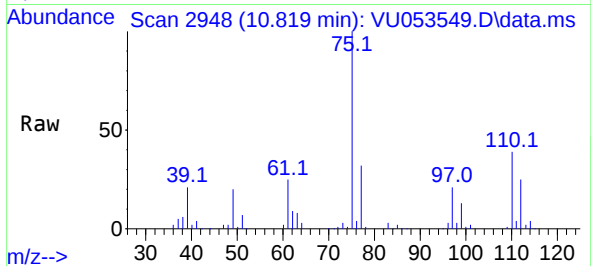




#60
1,2,3-Trichloropropane
Concen: 62.514 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

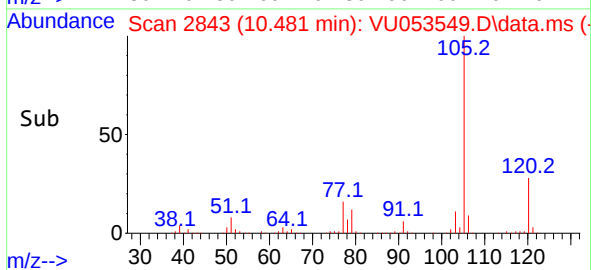
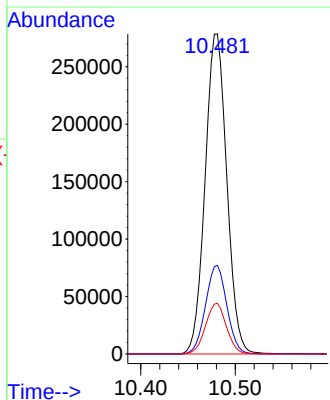
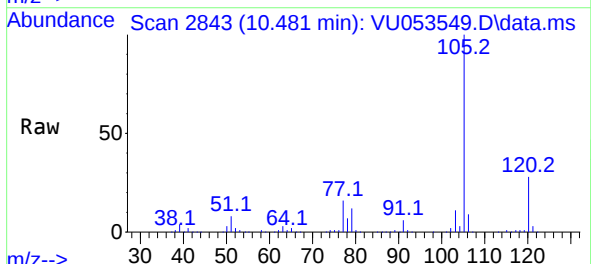
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

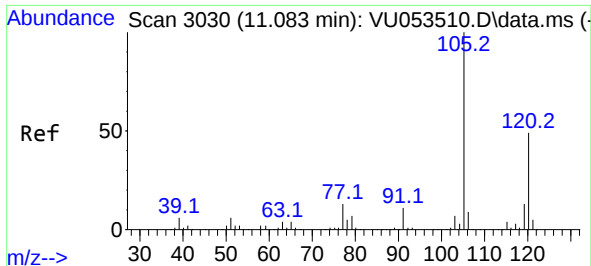
Tgt Ion: 75 Resp: 122674
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0
110 39.0 32.6 48.8



#61
Isopropylbenzene
Concen: 55.495 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion: 105 Resp: 444038
Ion Ratio Lower Upper
105 100
120 27.3 22.4 33.6
77 15.2 12.1 18.1

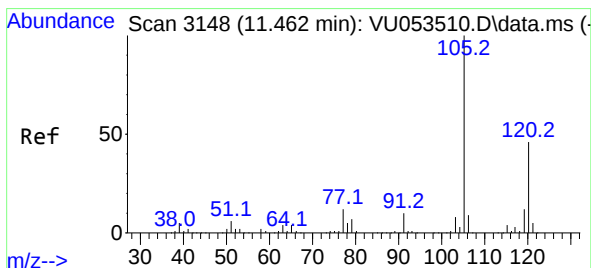
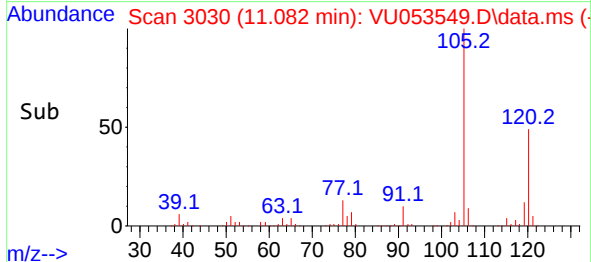
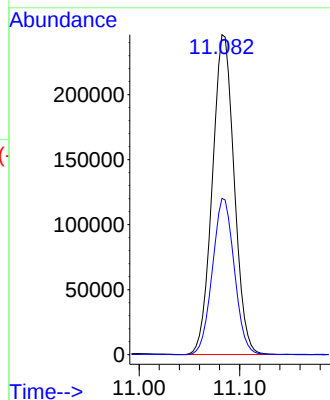
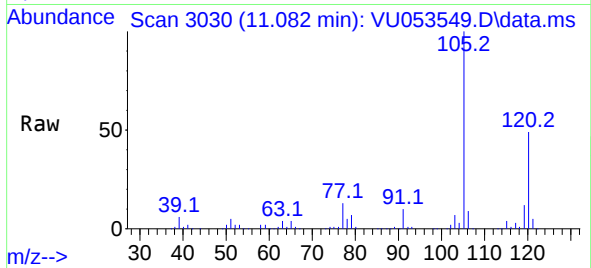




#62
1,3,5-Trimethylbenzene
Concen: 55.838 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

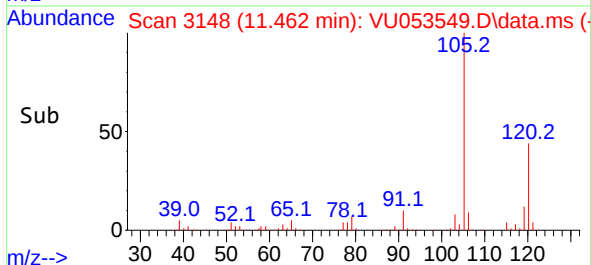
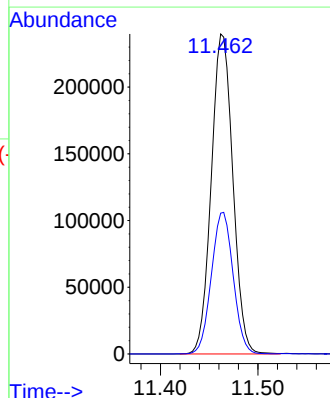
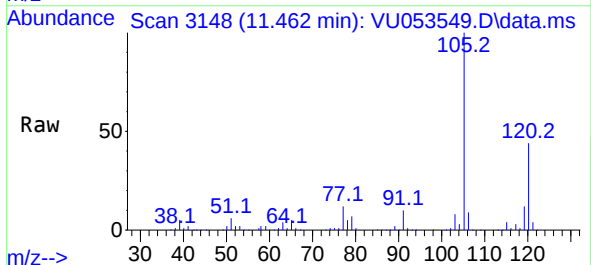
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

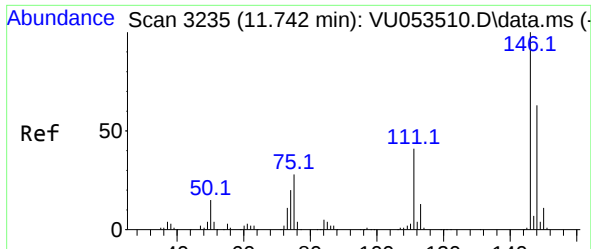
Tgt Ion:105 Resp: 371404
Ion Ratio Lower Upper
105 100
120 49.0 39.5 59.3



#63
1,2,4-Trimethylbenzene
Concen: 55.990 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion:105 Resp: 368857
Ion Ratio Lower Upper
105 100
120 44.7 37.5 56.3

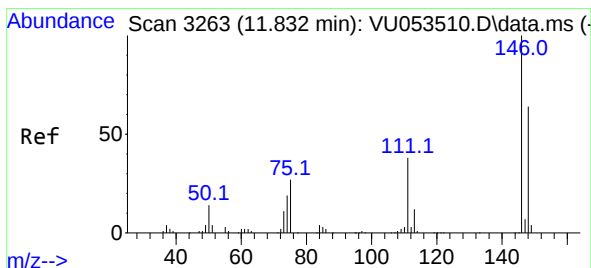
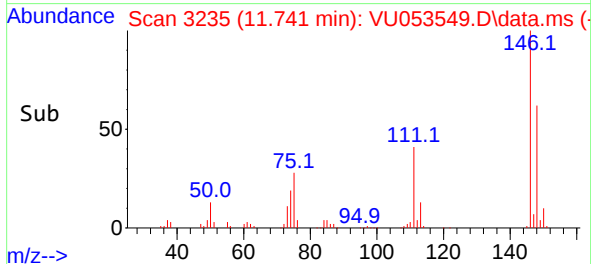
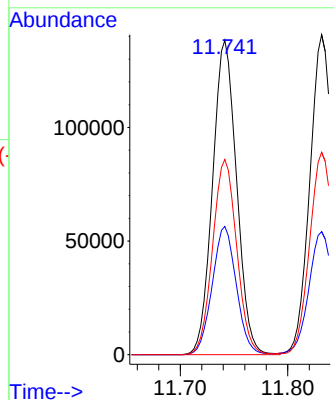
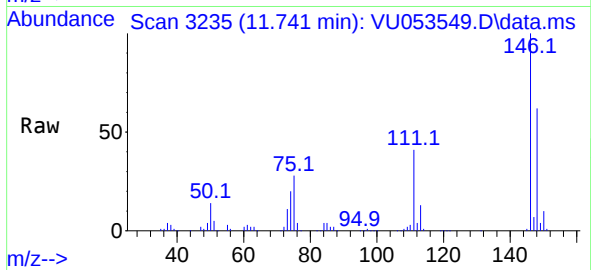




#64
1,3-Dichlorobenzene
Concen: 51.432 ug/L
RT: 11.741 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

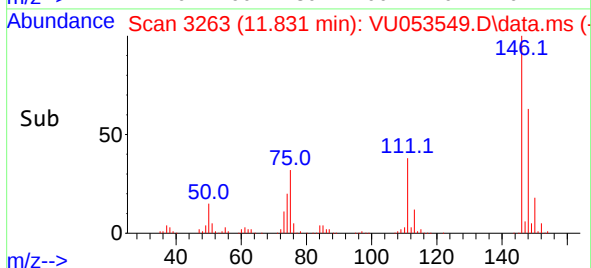
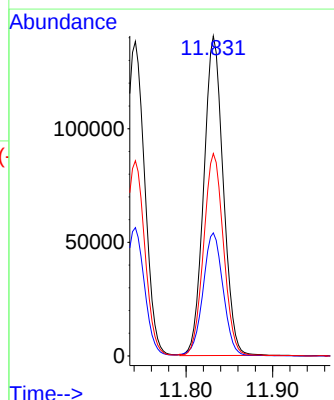
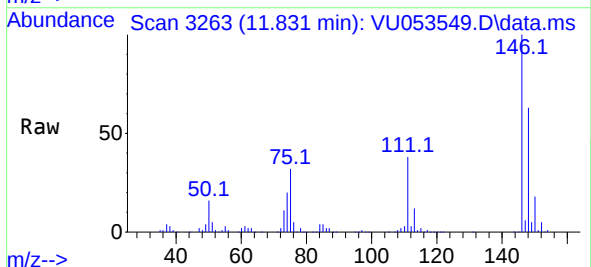
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

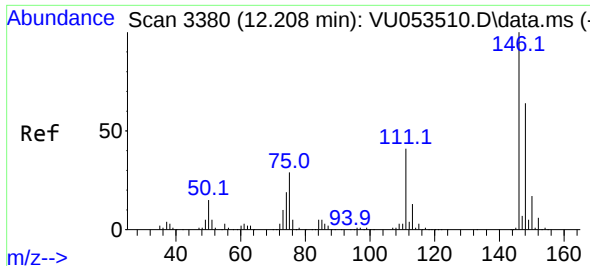
Tgt Ion:146 Resp: 215034
Ion Ratio Lower Upper
146 100
111 40.8 25.7 47.7
148 62.0 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 51.466 ug/L
RT: 11.831 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion:146 Resp: 219308
Ion Ratio Lower Upper
146 100
111 38.4 25.1 46.5
148 63.3 44.3 82.3

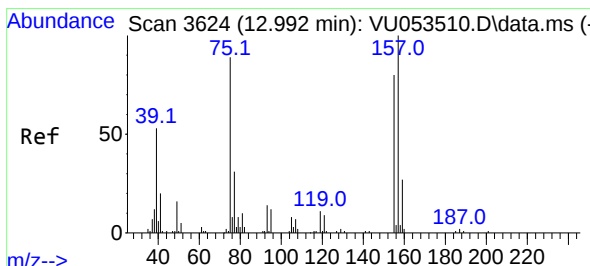
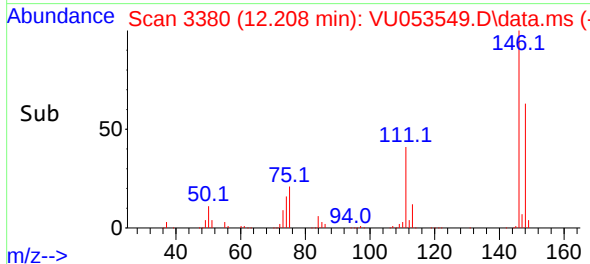
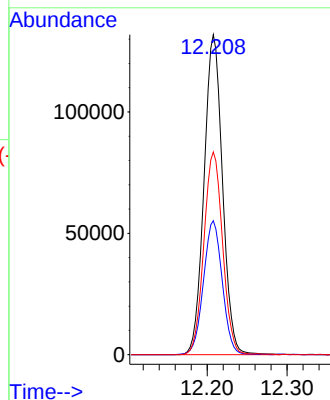
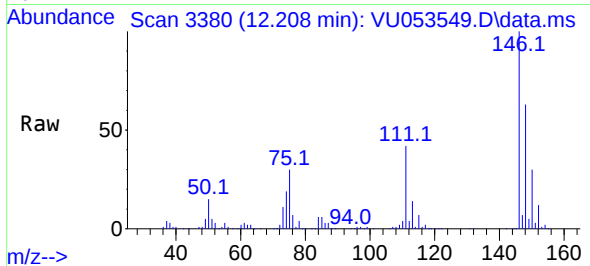




#67
1,2-Dichlorobenzene
Concen: 50.914 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

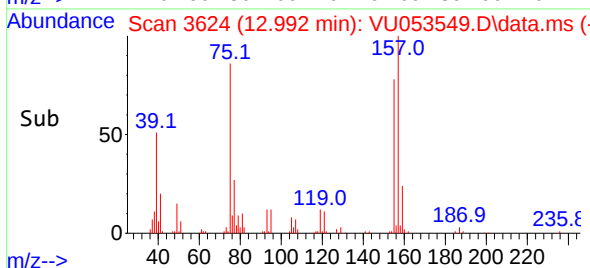
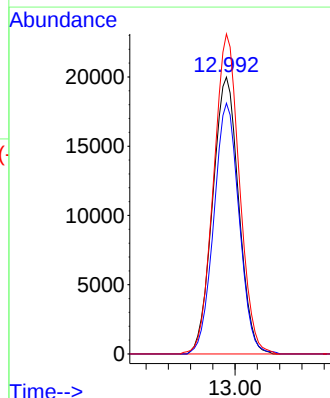
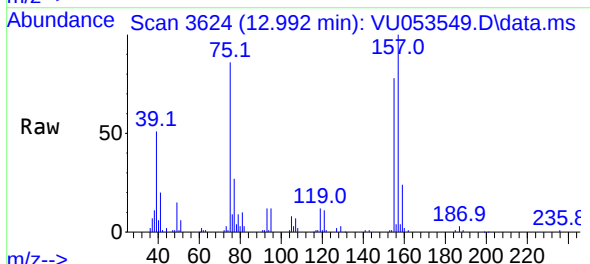
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

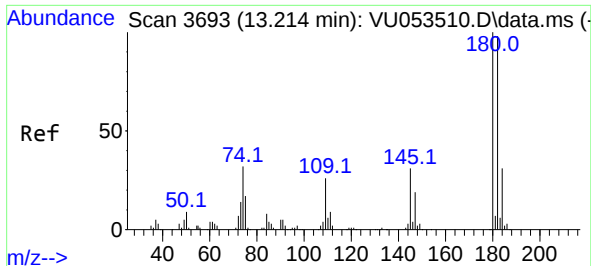
Tgt Ion:146 Resp: 212158
Ion Ratio Lower Upper
146 100
111 41.8 31.5 47.3
148 63.4 51.6 77.4



#68
1,2-Dibromo-3-chloropropane
Concen: 61.987 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.003 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion: 75 Resp: 32427
Ion Ratio Lower Upper
75 100
155 90.6 79.9 119.9
157 115.6 100.8 151.2

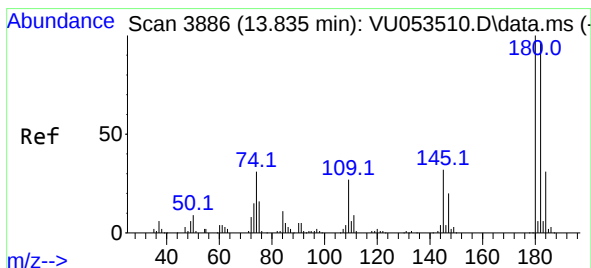
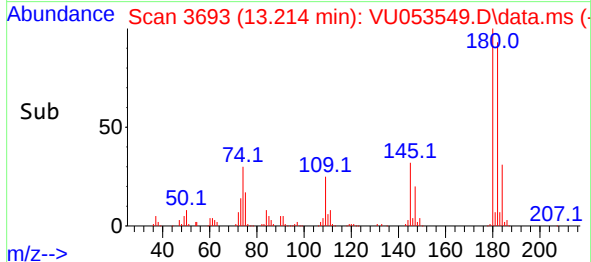
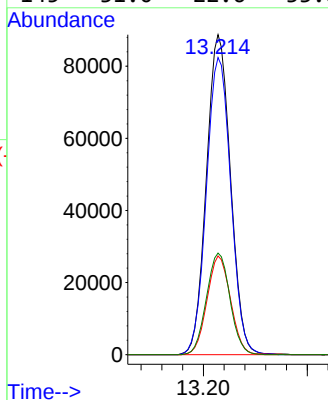
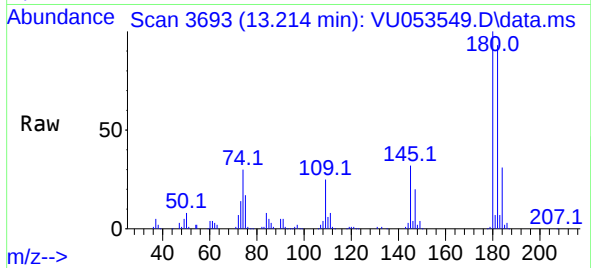




#69
1,3,5-Trichlorobenzene
Concen: 46.130 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

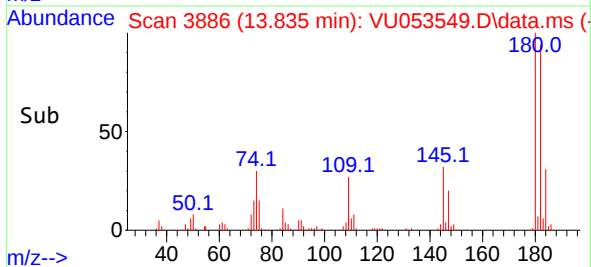
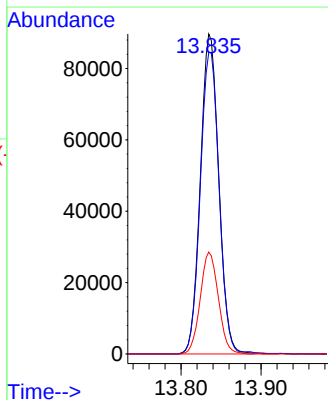
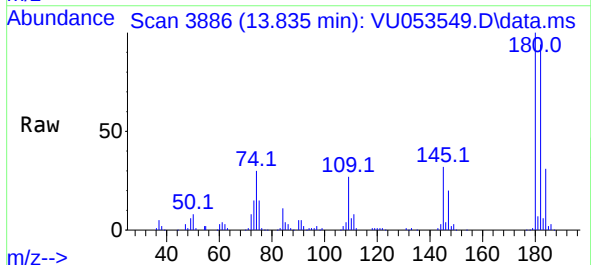
Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

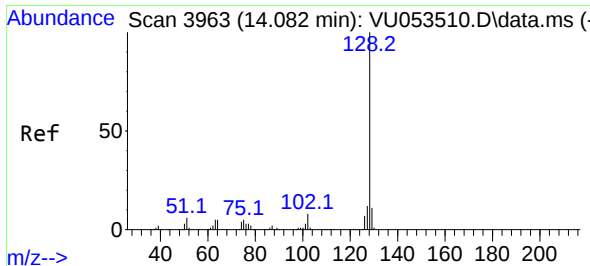
Tgt Ion:180 Resp: 142822
Ion Ratio Lower Upper
180 100
182 94.2 75.6 113.4
184 30.1 24.2 36.2
145 31.0 22.6 33.8



#70
1,2,4-trichlorobenzene
Concen: 50.179 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion:180 Resp: 144039
Ion Ratio Lower Upper
180 100
182 95.4 75.8 113.8
145 31.3 23.4 35.2

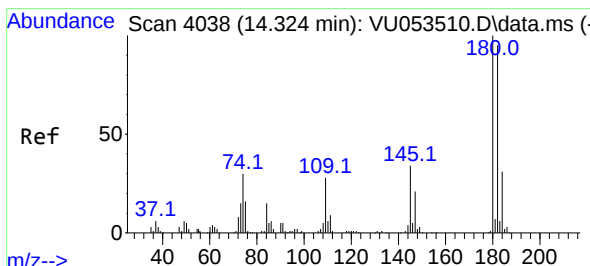
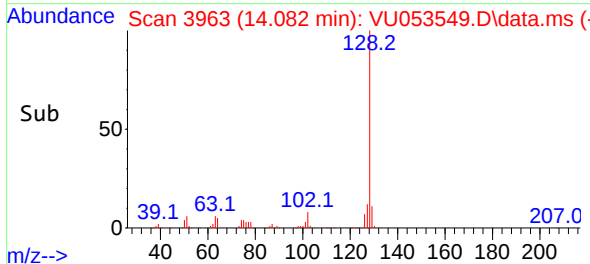
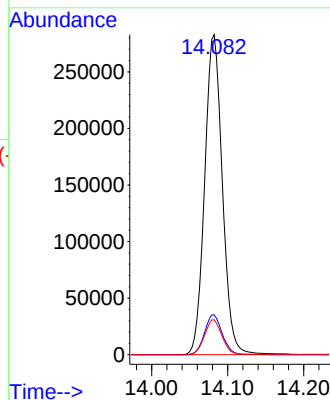
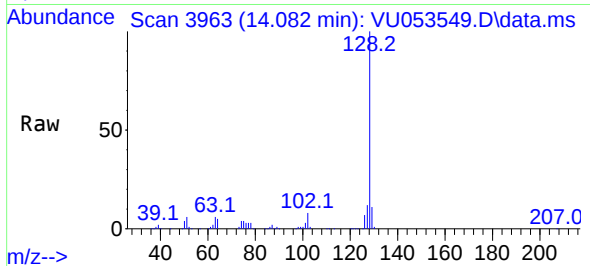




#71
Naphthalene
Concen: 53.270 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD050181

Tgt Ion:128 Resp: 457689
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 10.8 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 46.949 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU053549.D
Acq: 04 Apr 2023 03:54

Tgt Ion:180 Resp: 134607
Ion Ratio Lower Upper
180 100
182 96.7 77.0 115.6
145 33.9 25.4 38.0

