

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U040623\
 Data File : VU053590.D
 Acq On : 06 Apr 2023 15:28
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050188

Quant Time: Apr 07 03:46:10 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	6.247	114	249148	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	238698	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	131442	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	84825	43.724	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.440%
7) Chloroethane-d5	1.909	69	76543	51.172	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.340%
11) 1,1-Dichloroethene-d2	2.565	63	130853	43.573	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.140%
21) 2-Butanone-d5	4.613	46	103979	118.379	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.380%
24) Chloroform-d	5.057	84	164127	51.155	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.300%
26) 1,2-Dichloroethane-d4	5.697	65	103759	54.729	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.460%
32) Benzene-d6	5.723	84	323705	50.240	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.480%
36) 1,2-Dichloropropane-d6	6.687	67	101561	51.570	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.140%
41) Toluene-d8	7.896	98	305270	47.669	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.340%
43) trans-1,3-Dichloroprop...	8.176	79	51561	50.721	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.440%
47) 2-Hexanone-d5	8.626	63	78261	116.439	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.440%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	147599	53.175	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.360%
66) 1,2-Dichlorobenzene-d4	12.189	152	130192	47.452	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	70292	34.760	ug/L	99
3) Chloromethane	1.520	50	86188	51.869	ug/L	99
5) Vinyl chloride	1.604	62	90109	46.792	ug/L	99
6) Bromomethane	1.851	94	66538	47.486	ug/L	97
8) Chloroethane	1.932	64	60547	52.276	ug/L	97
9) Trichlorofluoromethane	2.134	101	117274	39.593	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	64452	37.572	ug/L	91
12) 1,1-Dichloroethene	2.578	96	63922	41.812	ug/L	99
13) Acetone	2.617	43	68135	86.315	ug/L	99
14) Carbon disulfide	2.790	76	179661	44.426	ug/L	97
15) Methyl Acetate	2.941	43	67642	55.944	ug/L	95
16) Methylene chloride	3.041	84	86967	50.611	ug/L	100
17) trans-1,2-Dichloroethene	3.350	96	73567	47.882	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	242752	54.205	ug/L	99
19) 1,1-Dichloroethane	3.864	63	135204	53.123	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	87904	49.533	ug/L	86
22) 2-Butanone	4.694	43	99253	103.786	ug/L	94
23) Bromochloromethane	4.970	128	48624	49.189	ug/L	94
25) Chloroform	5.083	83	151595	51.931	ug/L	98

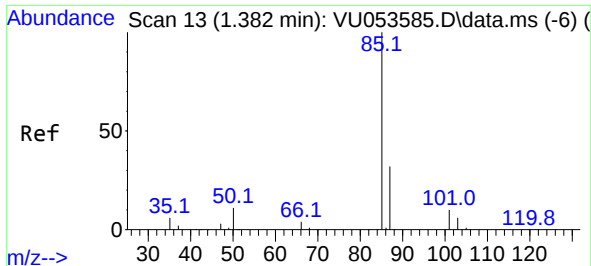
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040623\
 Data File : VU053590.D
 Acq On : 06 Apr 2023 15:28
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050188

Quant Time: Apr 07 03:46:10 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)
27) 1,2-Dichloroethane	5.790	62	113878	53.268	ug/L	98
29) Cyclohexane	5.385	56	88636	38.572	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	117432	44.648	ug/L	98
31) Carbon tetrachloride	5.520	117	98451	41.779	ug/L	97
33) Benzene	5.771	78	311310	50.057	ug/L	100
34) Trichloroethene	6.539	95	85758	45.592	ug/L	96
35) Methylcyclohexane	6.761	83	104882	37.933	ug/L	99
37) 1,2-Dichloropropane	6.787	63	83272	52.733	ug/L	98
38) Bromodichloromethane	7.102	83	107158	50.867	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	138482	53.664	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	191447	111.563	ug/L	99
42) Toluene	7.967	91	335142	47.553	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	128359	52.617	ug/L	96
45) 1,1,2-Trichloroethane	8.398	97	90113	51.975	ug/L	98
46) Tetrachloroethene	8.552	164	62103	39.787	ug/L	94
48) 2-Hexanone	8.681	43	147676	106.385	ug/L	98
49) Dibromochloromethane	8.806	129	88592	49.142	ug/L	97
50) 1,2-Dibromoethane	8.922	107	97908	50.475	ug/L	98
51) Chlorobenzene	9.446	112	228611	47.079	ug/L	97
52) Ethylbenzene	9.568	91	366844	46.758	ug/L	99
53) m,p-Xylene	9.690	106	142443	46.423	ug/L	98
54) o-xylene	10.099	106	145490	47.958	ug/L	98
55) Styrene	10.111	104	247167	50.020	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	135991	53.422	ug/L	97
59) Bromoform	10.288	173	62038	46.112	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	108394	56.874	ug/L	98
61) Isopropylbenzene	10.481	105	358866	46.179	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	313308	48.499	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	314196	49.106	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	184743	45.496	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	188689	45.593	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	185180	45.757	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	27915	54.942	ug/L	90
69) 1,3,5-Trichlorobenzene	13.217	180	126357	42.021	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	117016	41.972	ug/L	98
71) Naphthalene	14.082	128	388311	46.534	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	117197	42.087	ug/L	99

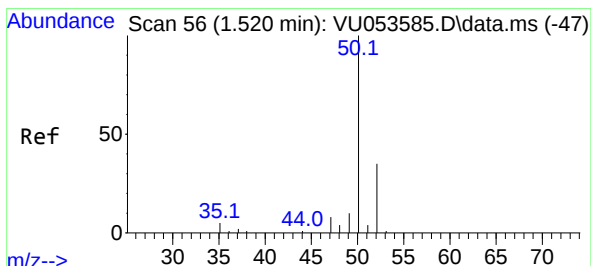
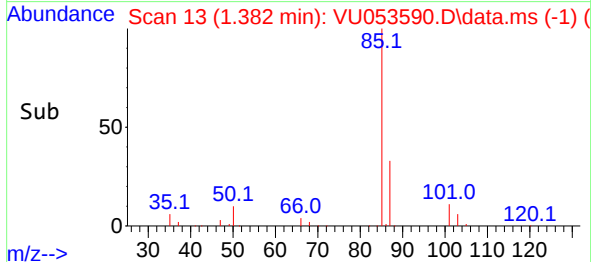
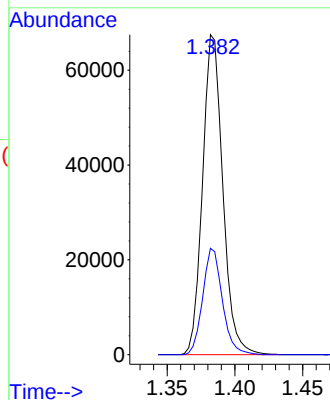
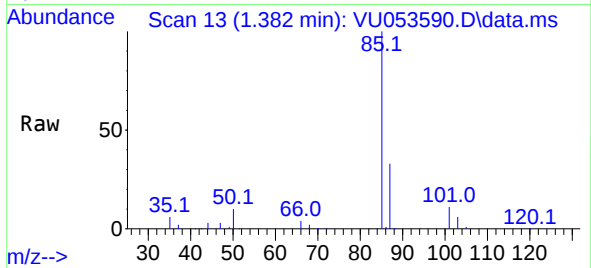
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 34.760 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

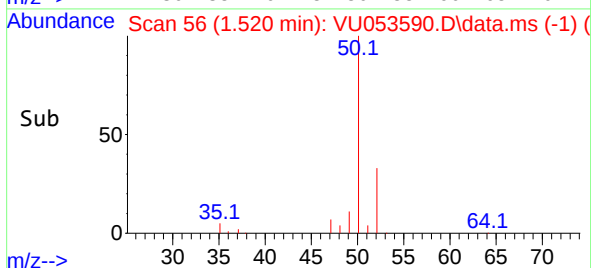
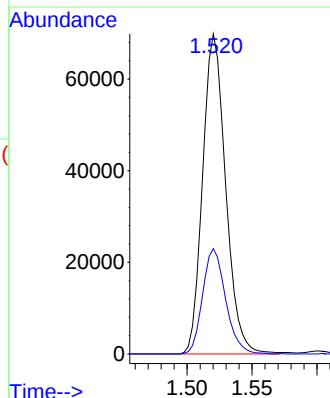
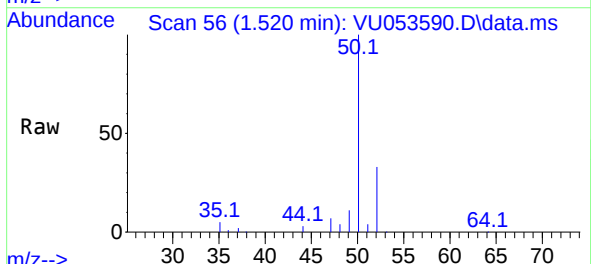
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

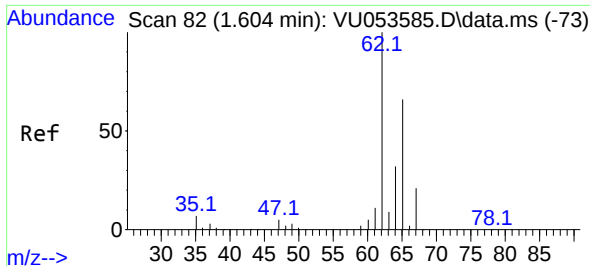
Tgt Ion: 85 Resp: 70292
Ion Ratio Lower Upper
85 100
87 32.2 26.4 39.6



#3
Chloromethane
Concen: 51.869 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion: 50 Resp: 86188
Ion Ratio Lower Upper
50 100
52 32.9 22.7 42.1

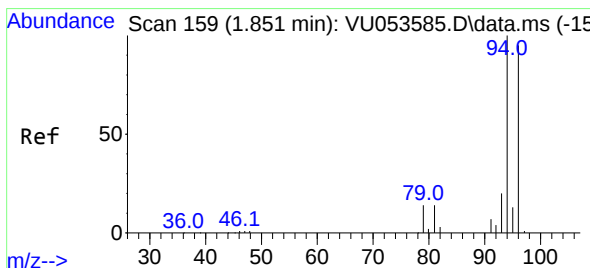
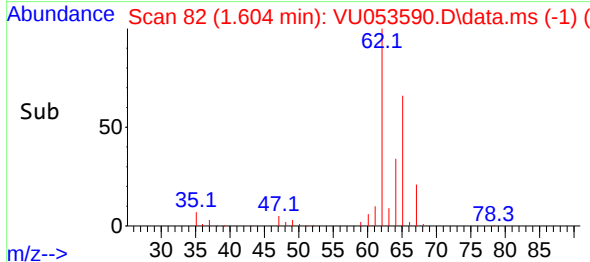
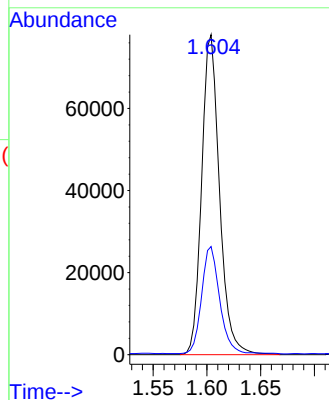
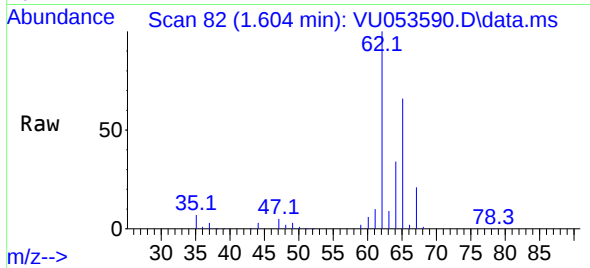




#5
 Vinyl chloride
 Concen: 46.792 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053590.D
 Acq: 06 Apr 2023 15:28

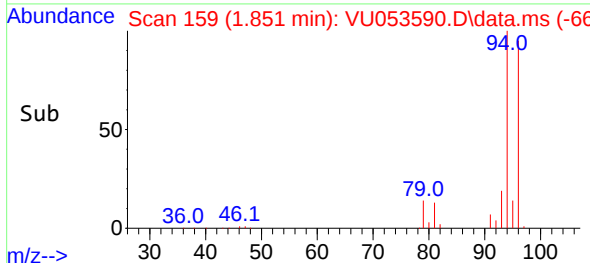
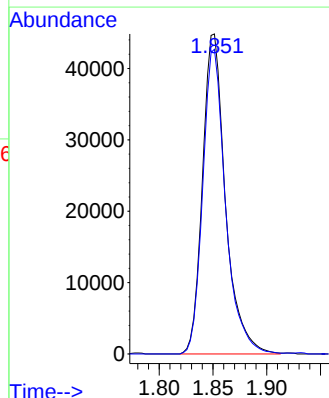
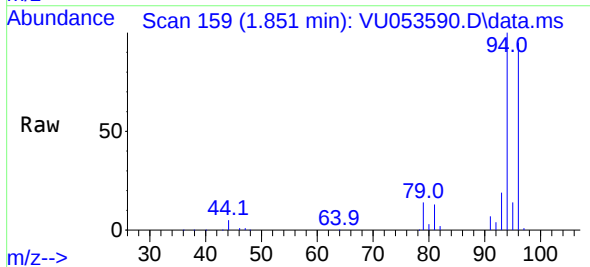
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050188

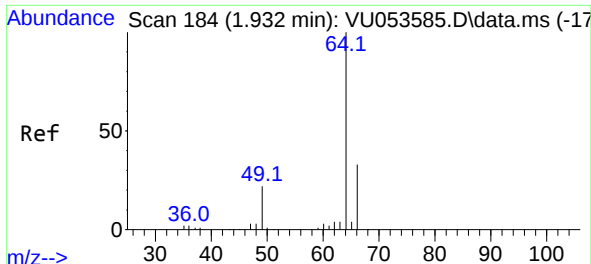
Tgt Ion: 62 Resp: 90109
 Ion Ratio Lower Upper
 62 100
 64 33.8 23.2 43.0



#6
 Bromomethane
 Concen: 47.486 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. 0.000 min
 Lab File: VU053590.D
 Acq: 06 Apr 2023 15:28

Tgt Ion: 94 Resp: 66538
 Ion Ratio Lower Upper
 94 100
 96 95.2 64.4 119.6

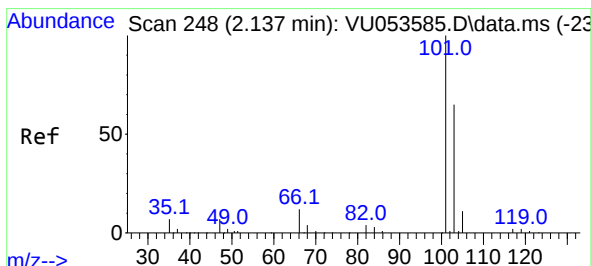
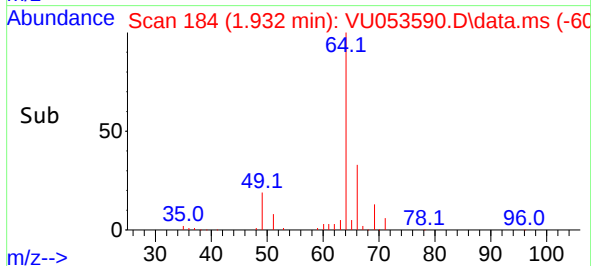
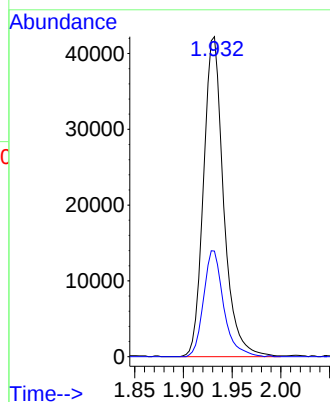
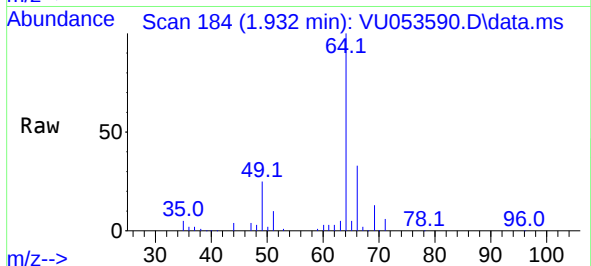




#8
Chloroethane
Concen: 52.276 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

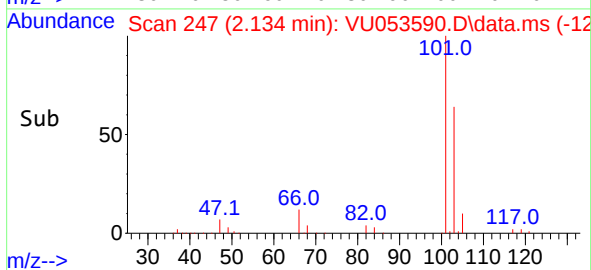
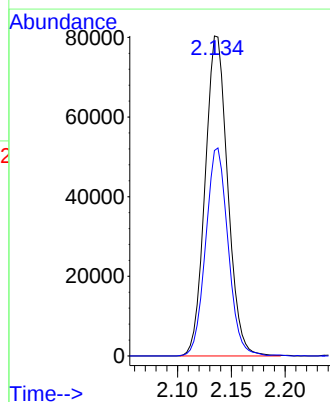
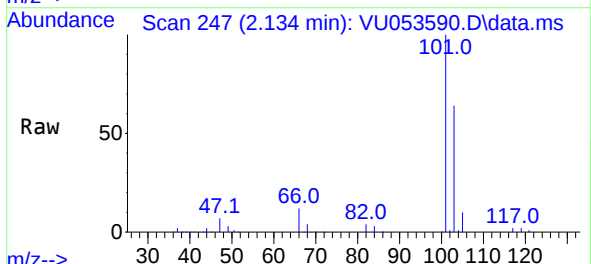
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

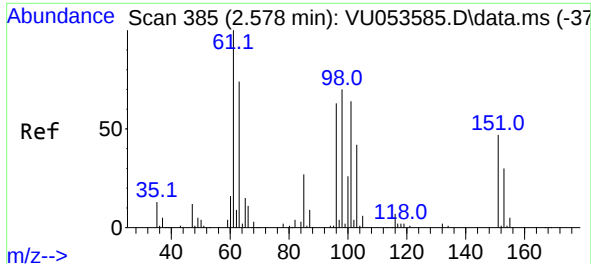
Tgt Ion: 64 Resp: 60547
Ion Ratio Lower Upper
64 100
66 33.0 21.8 40.6



#9
Trichlorofluoromethane
Concen: 39.593 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion:101 Resp: 117274
Ion Ratio Lower Upper
101 100
103 64.4 52.5 78.7

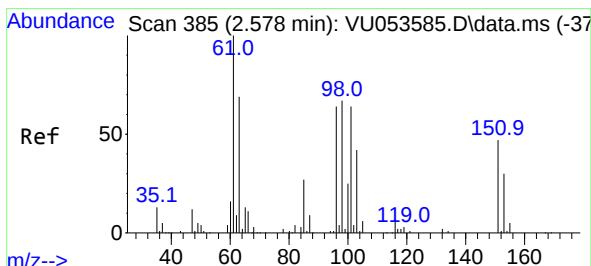
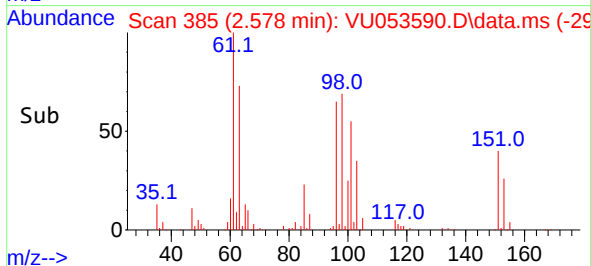
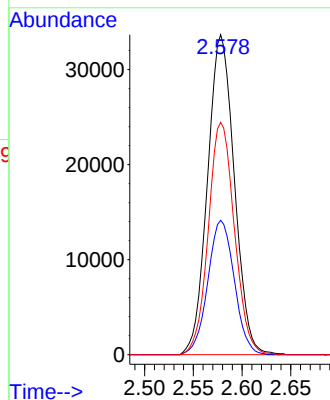
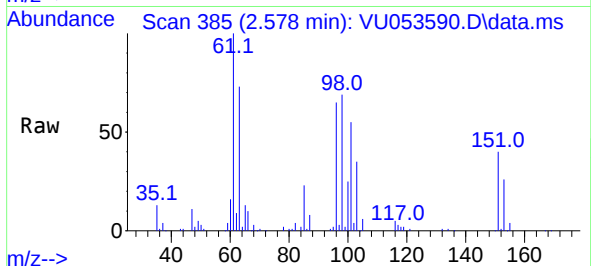




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 37.572 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

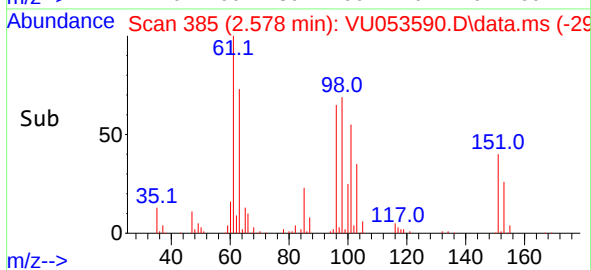
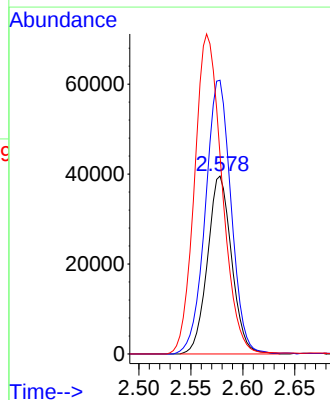
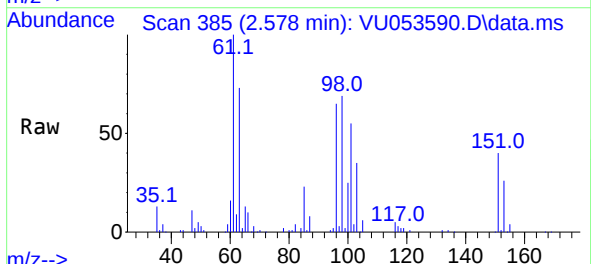
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

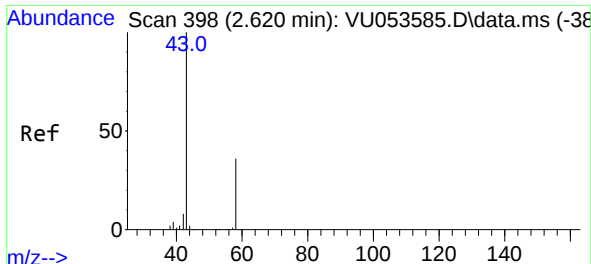
Tgt Ion:101 Resp: 64452
Ion Ratio Lower Upper
101 100
85 41.5 32.6 48.8
151 70.8 65.8 98.6



#12
1,1-Dichloroethene
Concen: 41.812 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion: 96 Resp: 63922
Ion Ratio Lower Upper
96 100
61 153.8 107.9 200.5
63 111.6 79.1 146.9





#13

Acetone

Concen: 86.315 ug/L

RT: 2.617 min Scan# 397

Delta R.T. -0.003 min

Lab File: VU053590.D

Acq: 06 Apr 2023 15:28

Instrument :

MSVOA_U

ClientSampleId :

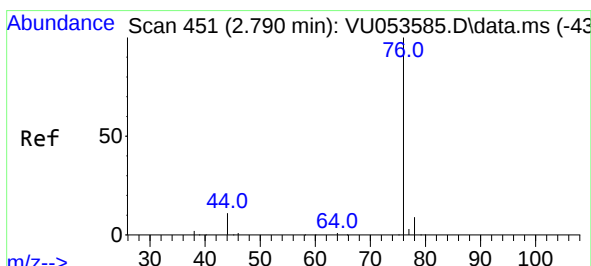
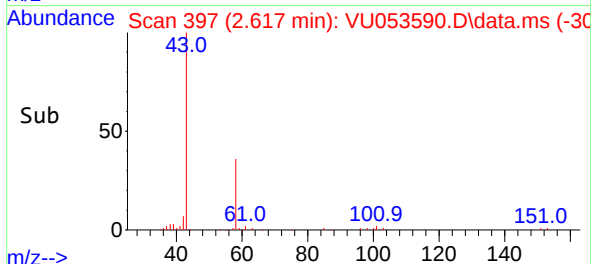
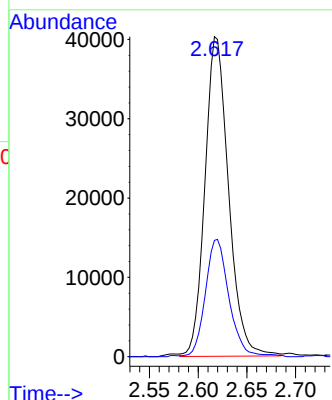
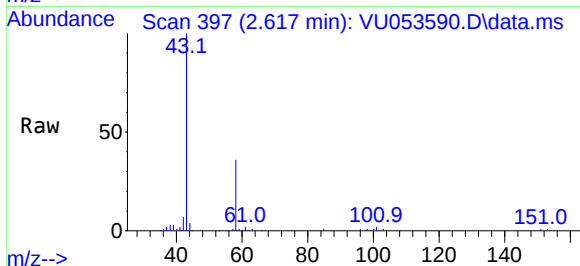
VSTD050188

Tgt Ion: 43 Resp: 68135

Ion Ratio Lower Upper

43 100

58 35.8 0.0 70.2



#14

Carbon disulfide

Concen: 44.426 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053590.D

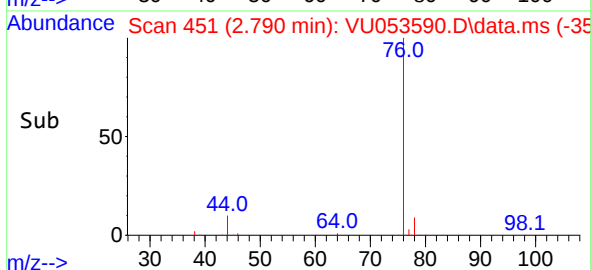
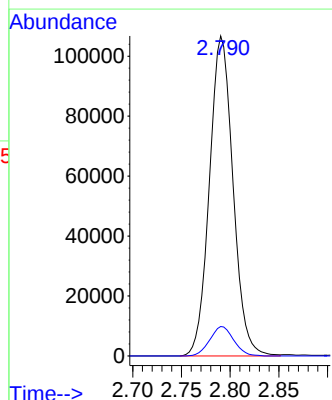
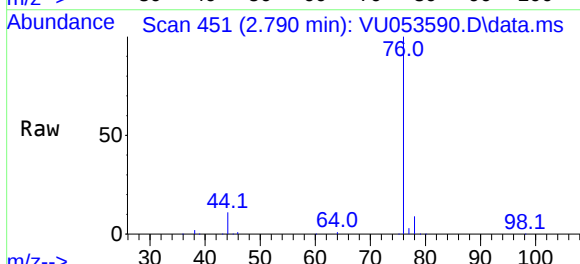
Acq: 06 Apr 2023 15:28

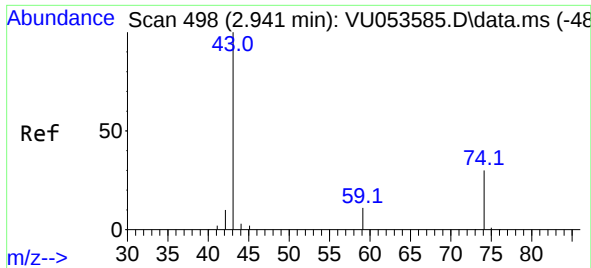
Tgt Ion: 76 Resp: 179661

Ion Ratio Lower Upper

76 100

78 9.2 8.2 12.2

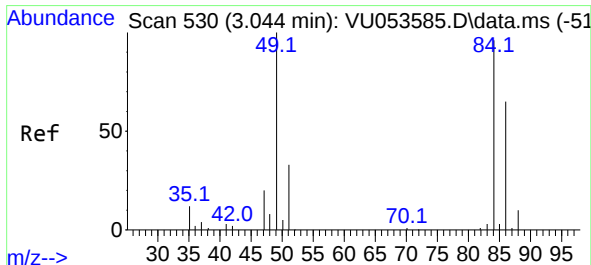
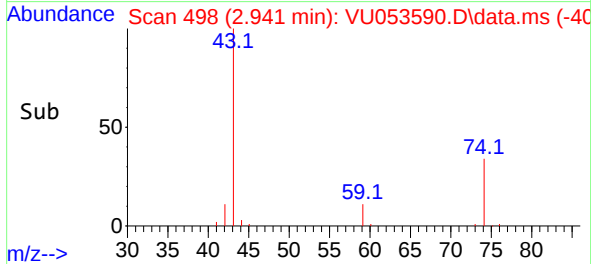
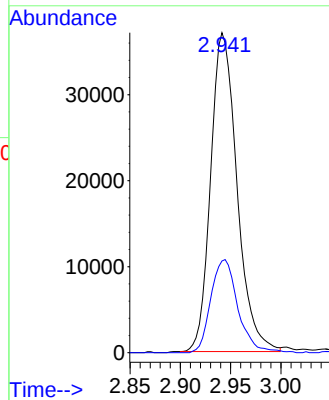
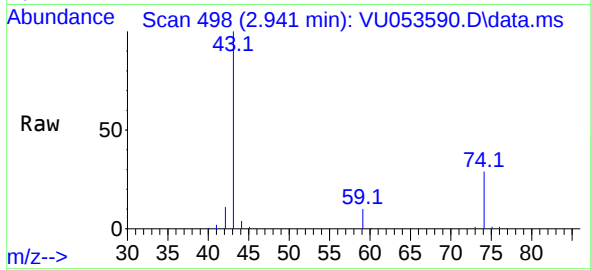




#15
Methyl Acetate
Concen: 55.944 ug/L
RT: 2.941 min Scan# 498
Delta R.T. 0.000 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

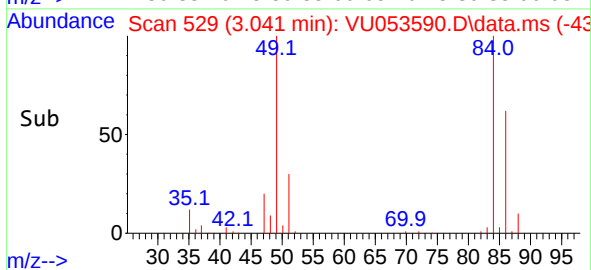
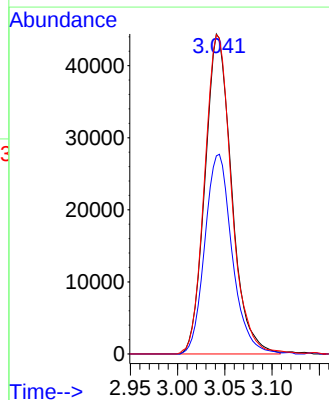
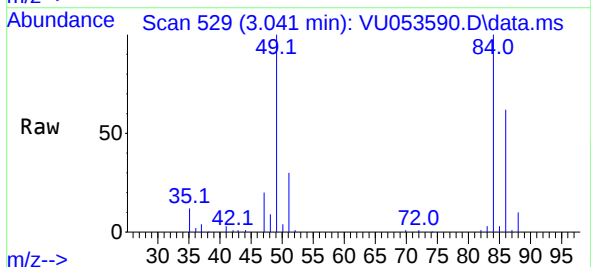
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

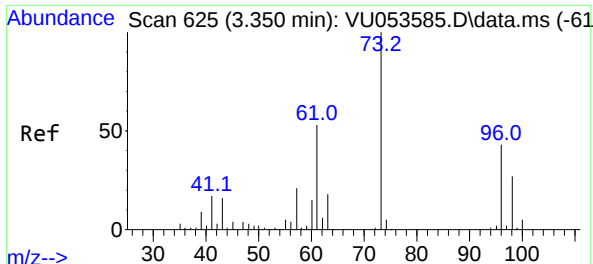
Tgt Ion: 43 Resp: 67642
Ion Ratio Lower Upper
43 100
74 29.9 22.0 33.0



#16
Methylene chloride
Concen: 50.611 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion: 84 Resp: 86967
Ion Ratio Lower Upper
84 100
86 61.9 43.5 80.9
49 99.7 69.7 129.5

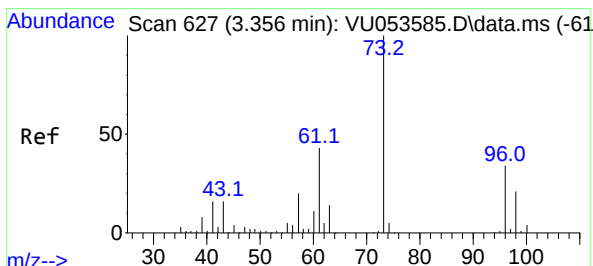
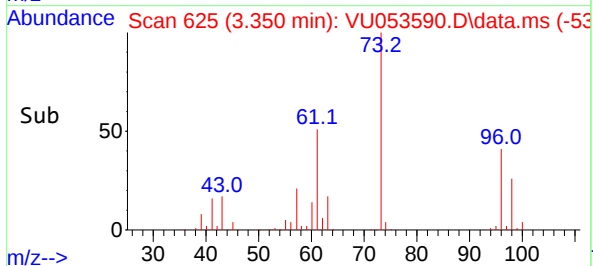
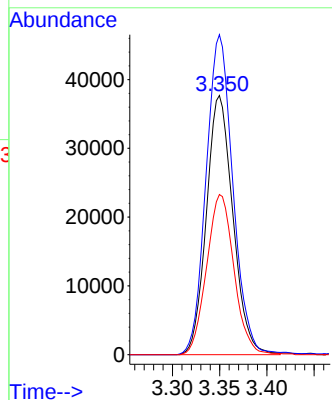
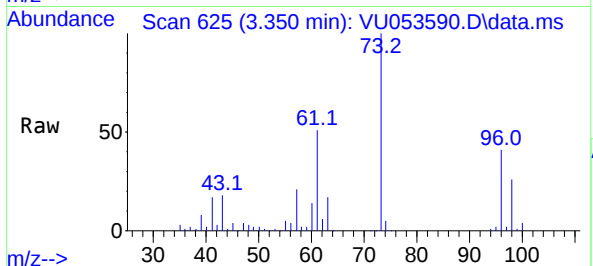




#17
trans-1,2-Dichloroethene
Concen: 47.882 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

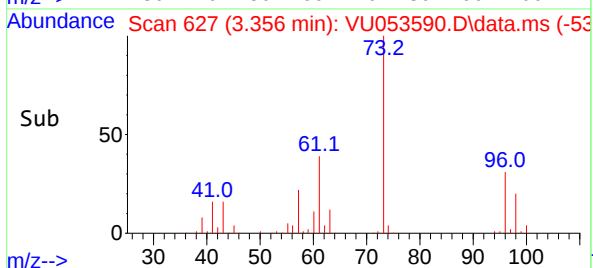
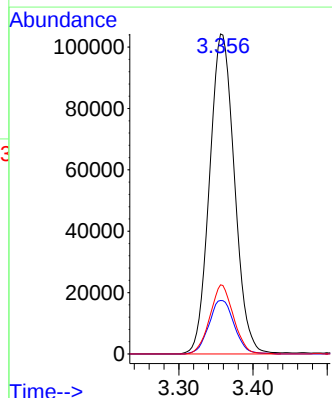
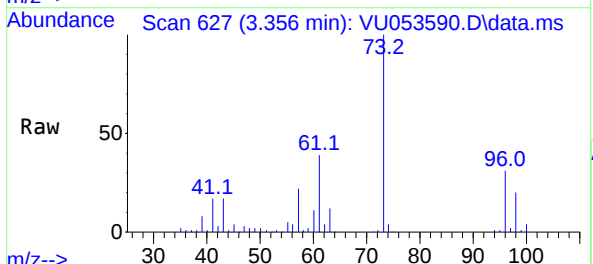
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

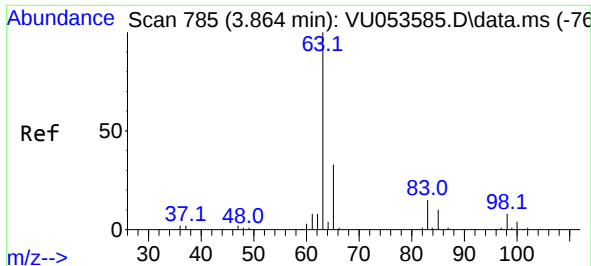
Tgt Ion: 96 Resp: 73567
Ion Ratio Lower Upper
96 100
61 123.5 84.4 156.8
98 61.8 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 54.205 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion: 73 Resp: 242752
Ion Ratio Lower Upper
73 100
43 17.1 13.8 20.8
57 20.5 15.9 23.9

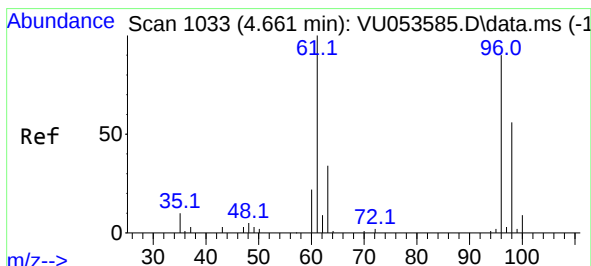
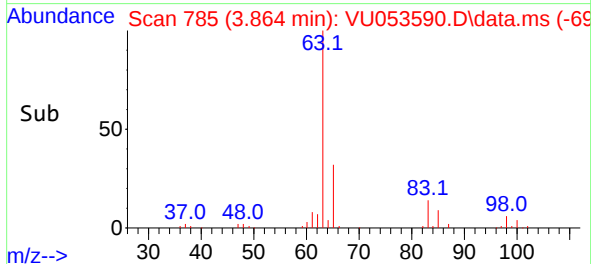
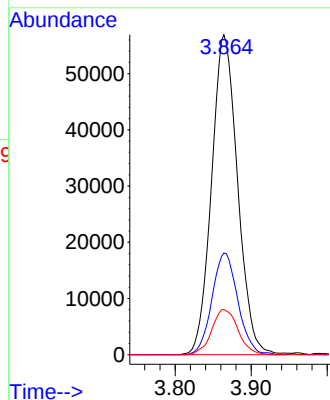
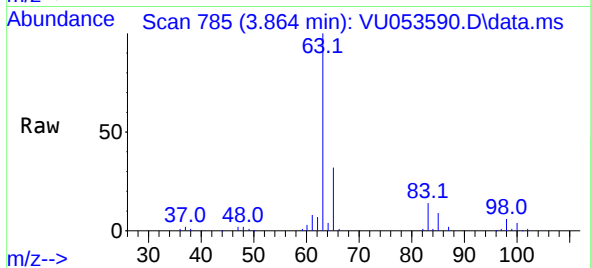




#19
1,1-Dichloroethane
Concen: 53.123 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

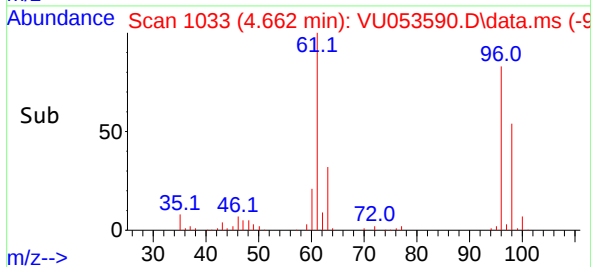
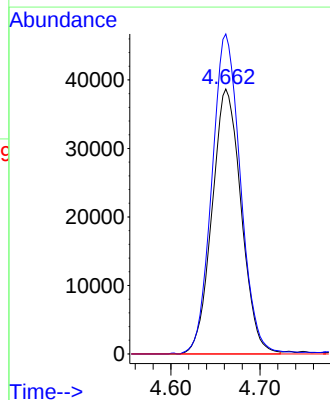
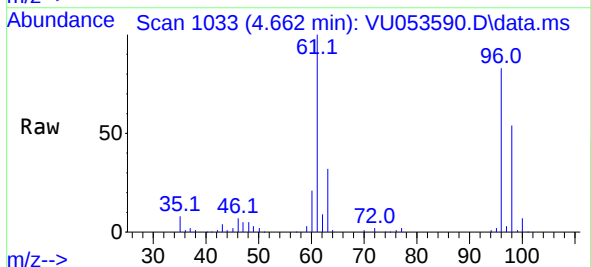
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

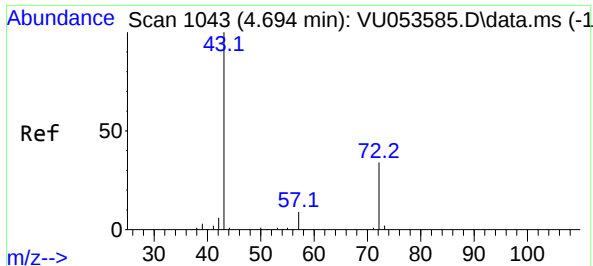
Tgt Ion: 63 Resp: 135204
Ion Ratio Lower Upper
63 100
65 31.8 22.0 41.0
83 14.1 10.8 20.0



#20
cis-1,2-Dichloroethene
Concen: 49.533 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion: 96 Resp: 87904
Ion Ratio Lower Upper
96 100
61 120.8 74.7 138.7
68 0.0 0.0 0.0

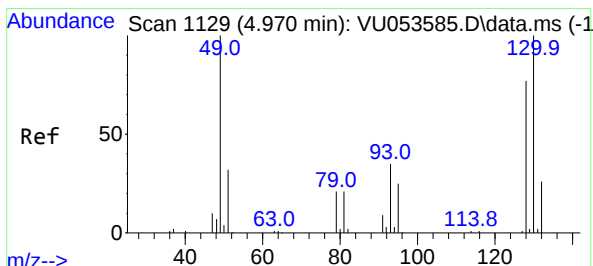
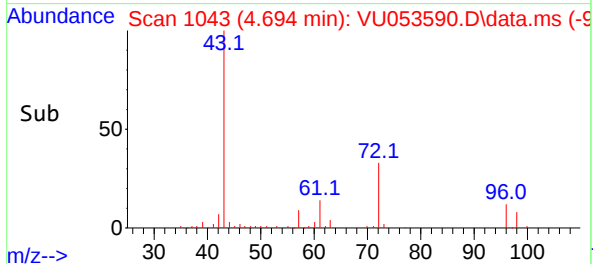
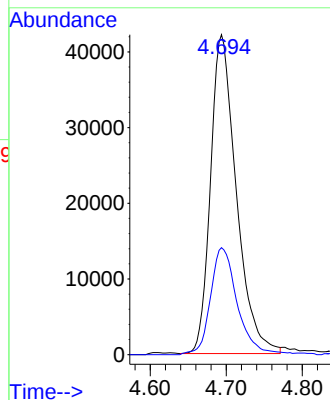
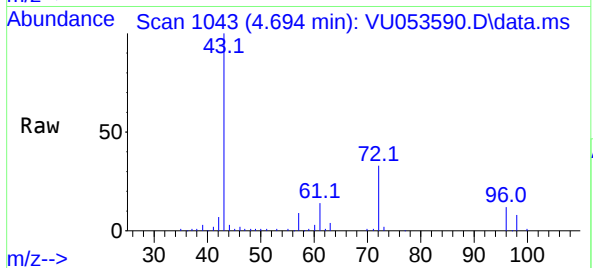




#22
2-Butanone
Concen: 103.786 ug/L
RT: 4.694 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

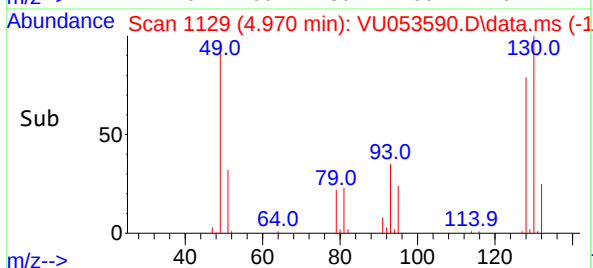
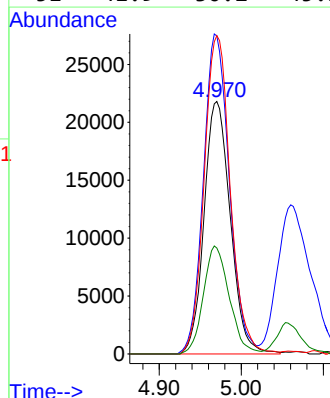
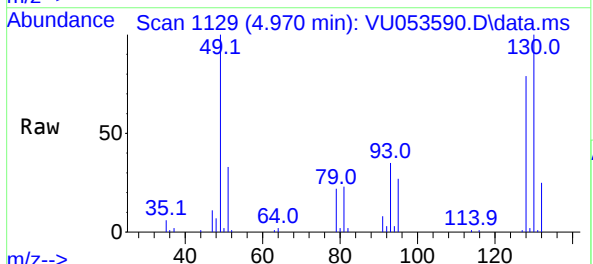
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

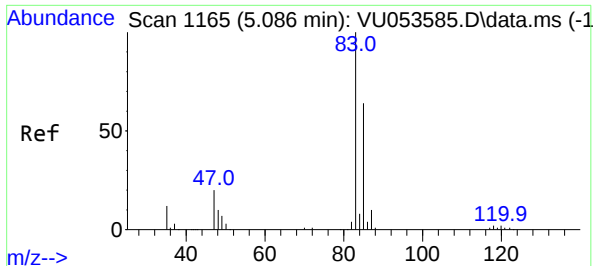
Tgt Ion: 43 Resp: 99253
Ion Ratio Lower Upper
43 100
72 34.8 15.8 47.3



#23
Bromochloromethane
Concen: 49.189 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion:128 Resp: 48624
Ion Ratio Lower Upper
128 100
49 125.9 81.5 151.3
130 126.1 91.8 170.4
51 41.9 30.2 45.2





#25

Chloroform

Concen: 51.931 ug/L

RT: 5.083 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU053590.D

Acq: 06 Apr 2023 15:28

Instrument :

MSVOA_U

ClientSampleId :

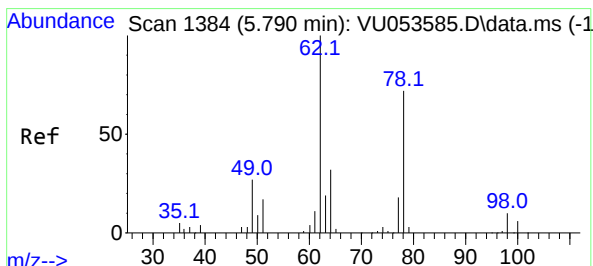
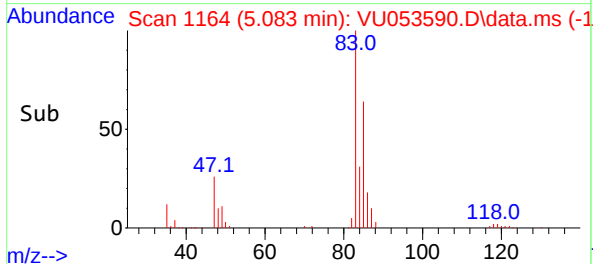
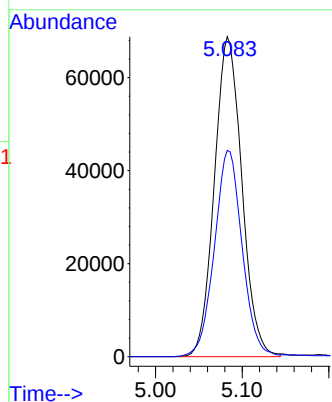
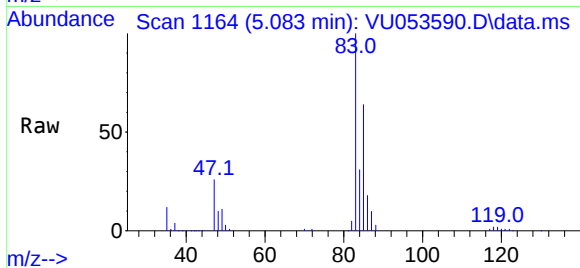
VSTD050188

Tgt Ion: 83 Resp: 151595

Ion Ratio Lower Upper

83 100

85 64.4 46.1 85.5



#27

1,2-Dichloroethane

Concen: 53.268 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU053590.D

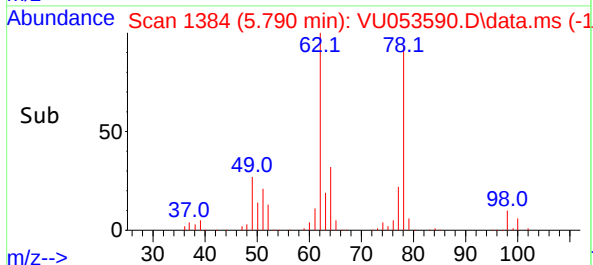
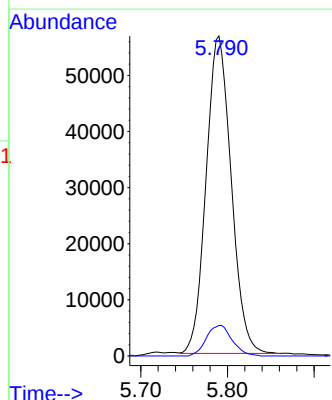
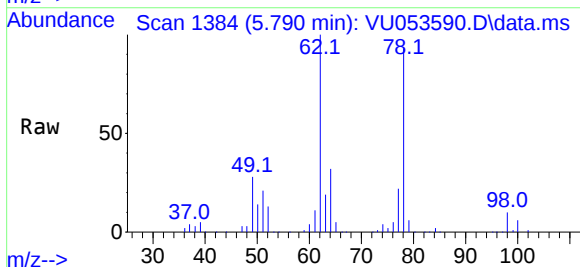
Acq: 06 Apr 2023 15:28

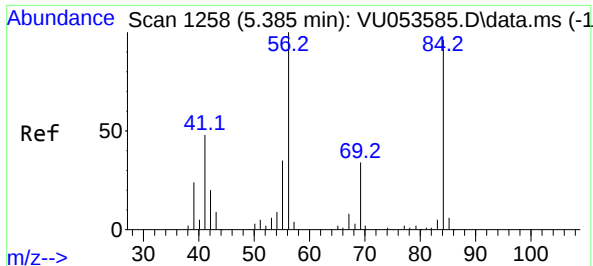
Tgt Ion: 62 Resp: 113878

Ion Ratio Lower Upper

62 100

98 9.5 8.3 12.5





#29

Cyclohexane

Concen: 38.572 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053590.D

Acq: 06 Apr 2023 15:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050188

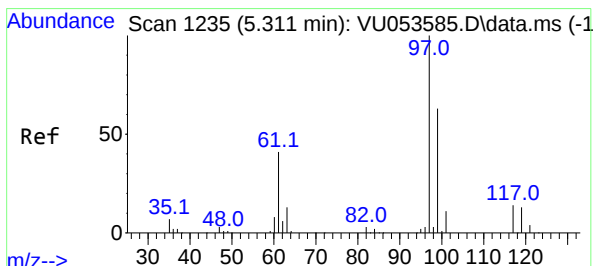
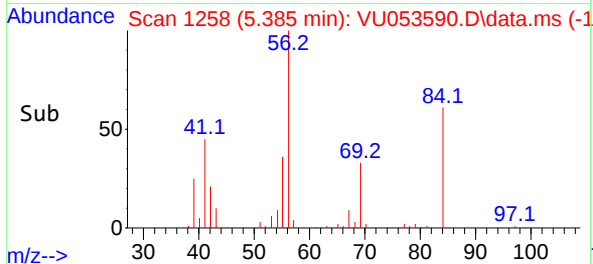
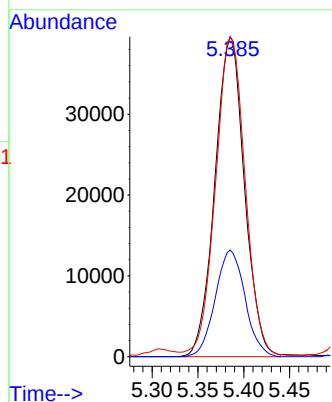
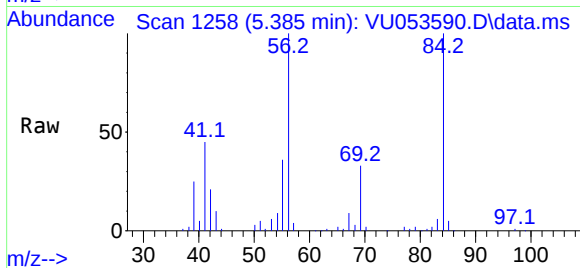
Tgt Ion: 56 Resp: 88636

Ion Ratio Lower Upper

56 100

69 33.5 27.3 40.9

84 100.6 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 44.648 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053590.D

Acq: 06 Apr 2023 15:28

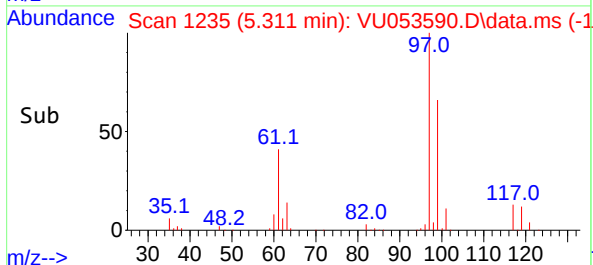
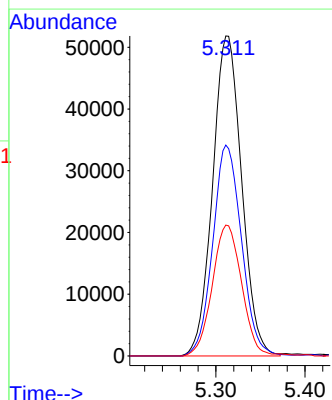
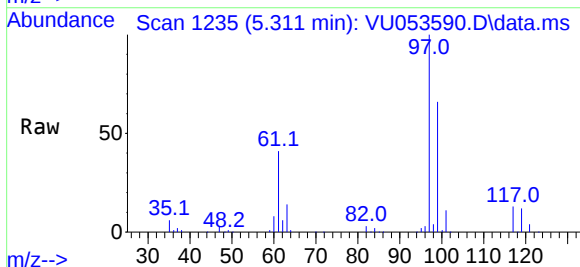
Tgt Ion: 97 Resp: 117432

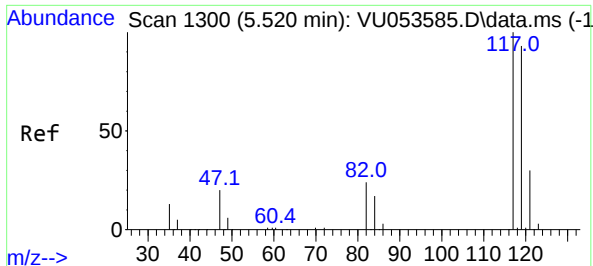
Ion Ratio Lower Upper

97 100

99 65.3 51.6 77.4

61 41.1 31.0 46.4

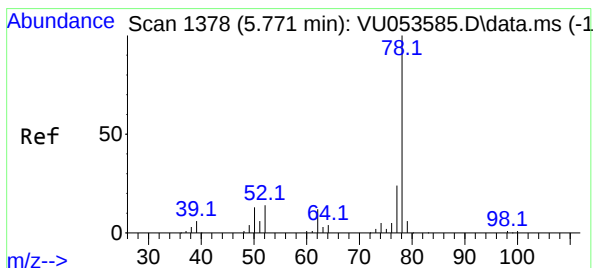
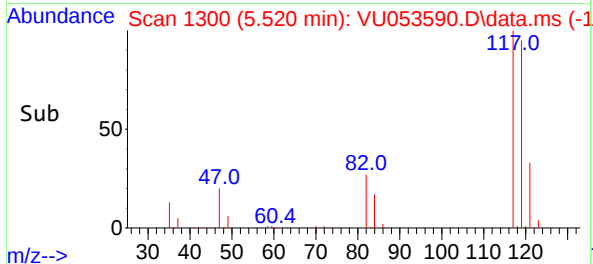
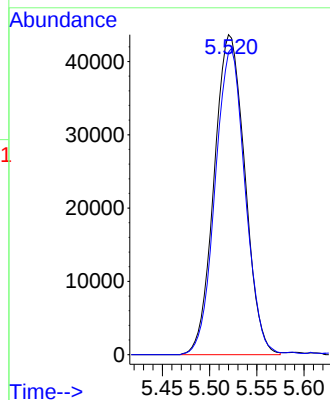
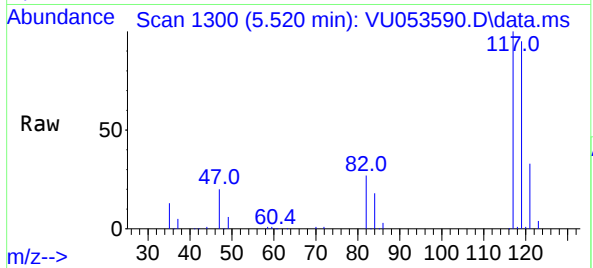




#31
Carbon tetrachloride
Concen: 41.779 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

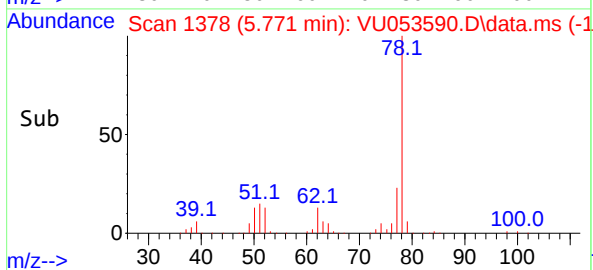
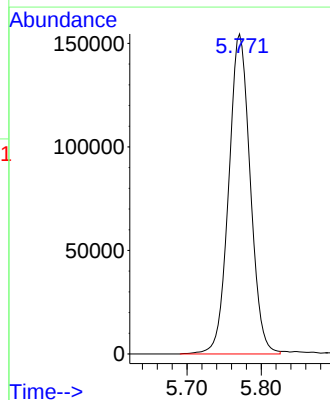
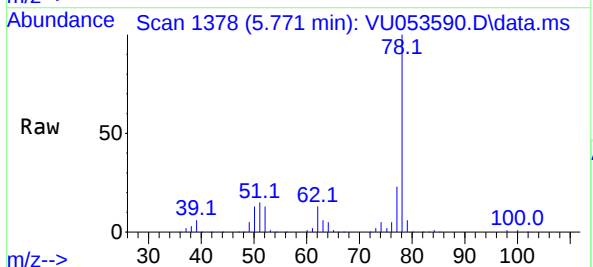
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

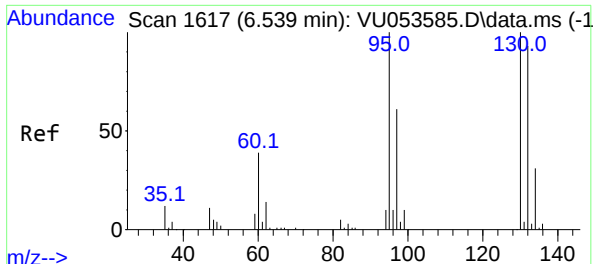
Tgt Ion:117 Resp: 98451
Ion Ratio Lower Upper
117 100
119 93.3 76.9 115.3



#33
Benzene
Concen: 50.057 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion: 78 Resp: 311310

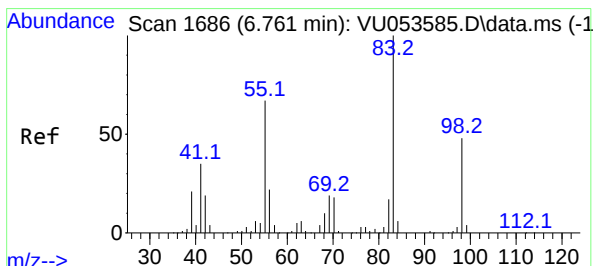
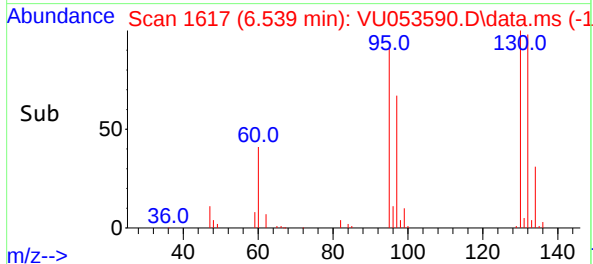
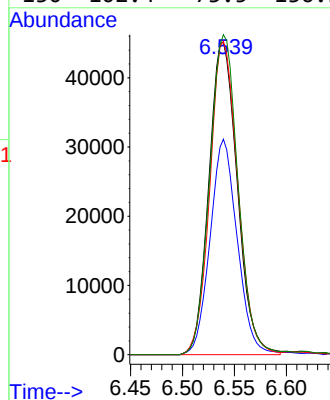
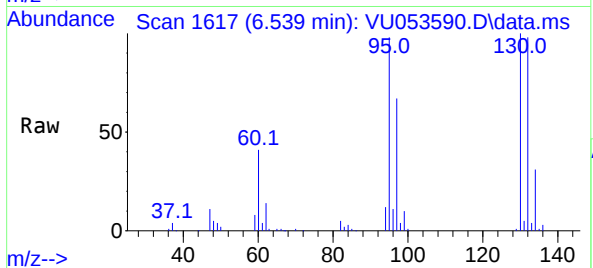




#34
Trichloroethene
Concen: 45.592 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

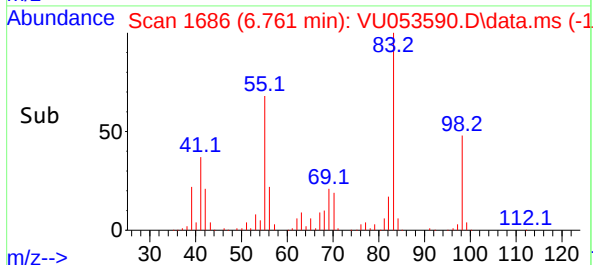
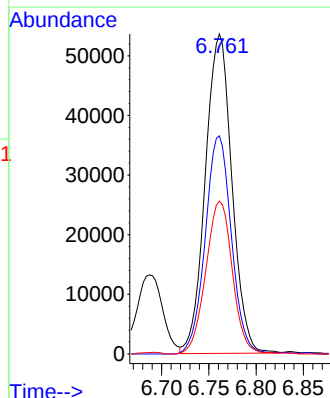
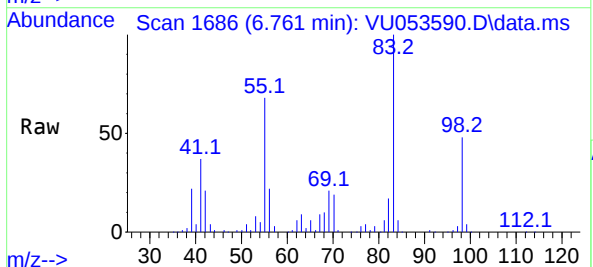
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

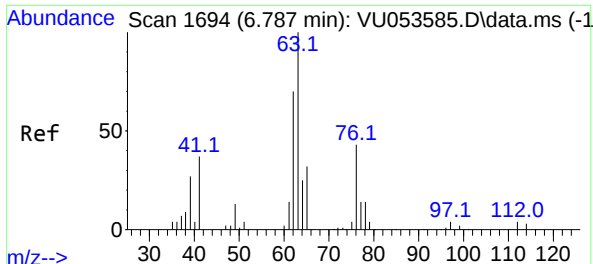
Tgt Ion: 95 Resp: 85758
Ion Ratio Lower Upper
95 100
97 68.9 45.1 83.7
132 100.3 74.1 137.5
130 102.4 73.5 136.5



#35
Methylcyclohexane
Concen: 37.933 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion: 83 Resp: 104882
Ion Ratio Lower Upper
83 100
55 67.2 53.0 79.6
98 47.7 39.0 58.6

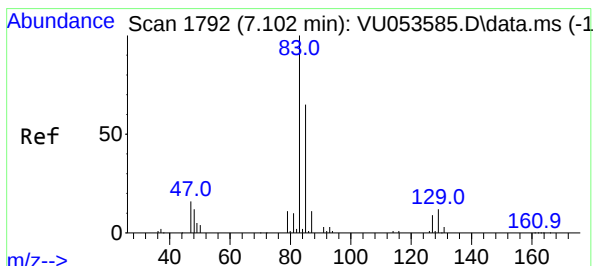
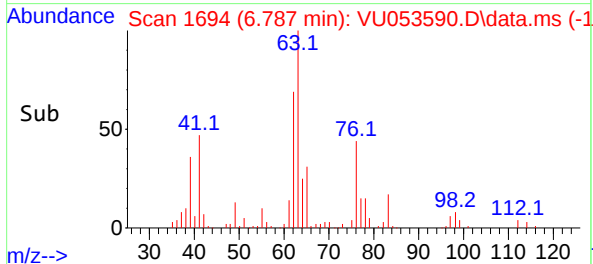
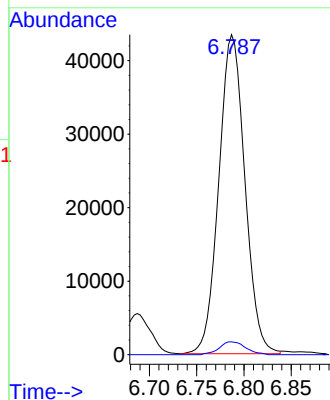
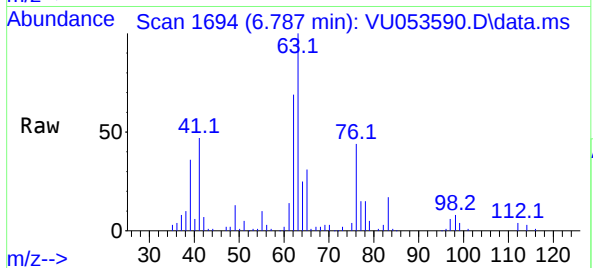




#37
1,2-Dichloropropane
Concen: 52.733 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

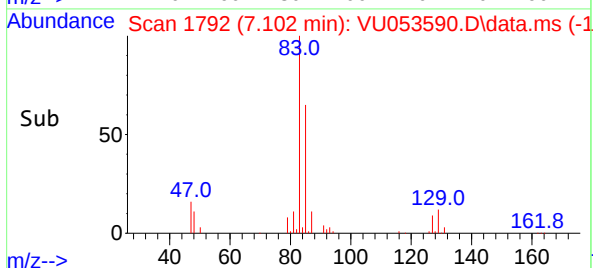
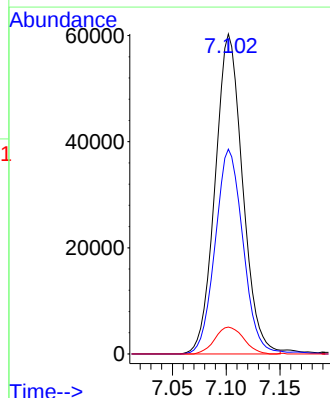
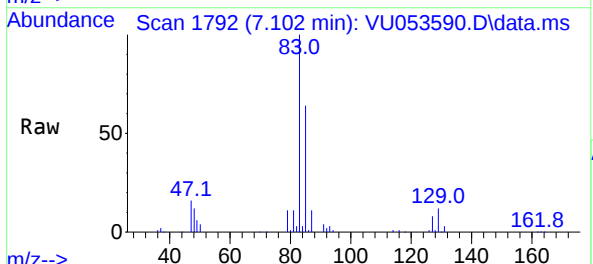
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

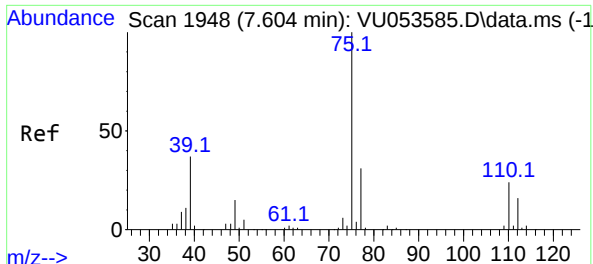
Tgt Ion: 63 Resp: 83272
Ion Ratio Lower Upper
63 100
112 4.1 3.8 5.6



#38
Bromodichloromethane
Concen: 50.867 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion: 83 Resp: 107158
Ion Ratio Lower Upper
83 100
85 64.0 44.4 82.5
127 8.4 8.0 12.0

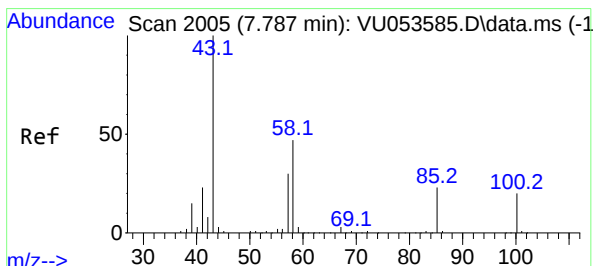
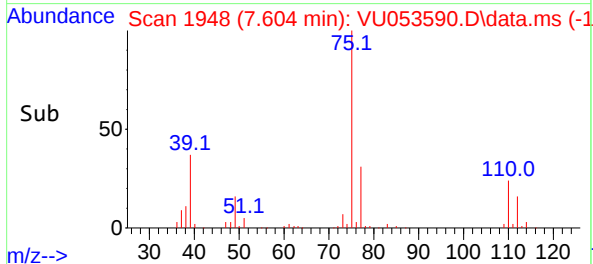
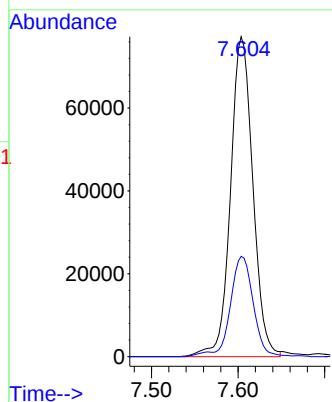
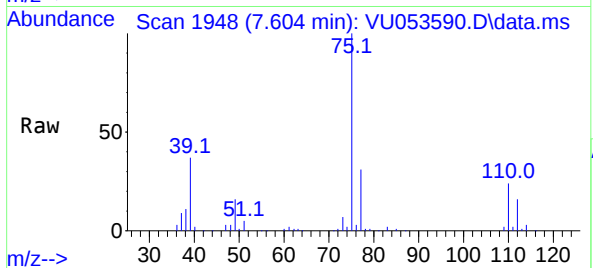




#39
 cis-1,3-Dichloropropene
 Concen: 53.664 ug/L
 RT: 7.604 min Scan# 1948
 Delta R.T. 0.003 min
 Lab File: VU053590.D
 Acq: 06 Apr 2023 15:28

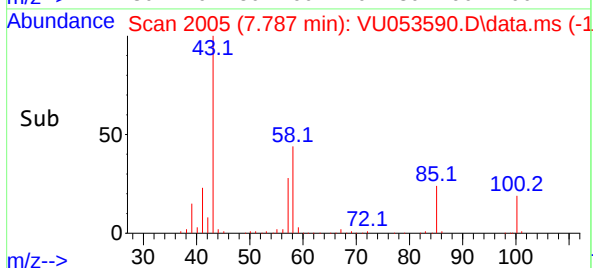
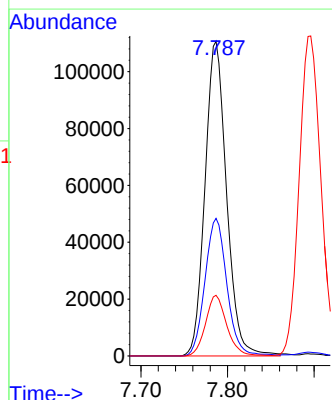
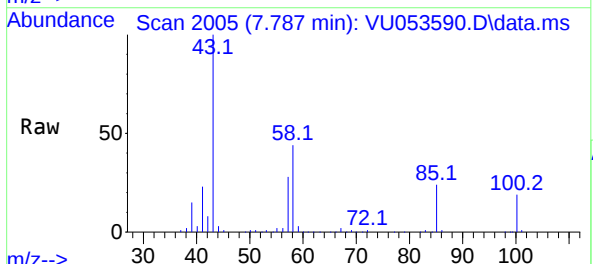
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050188

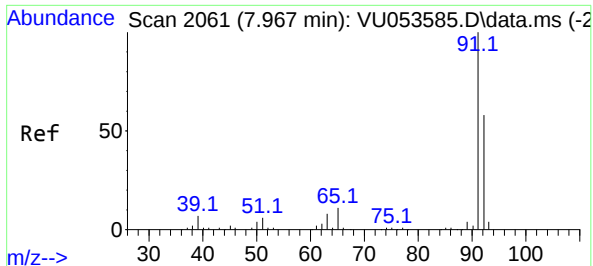
Tgt Ion: 75 Resp: 138482
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 111.563 ug/L
 RT: 7.787 min Scan# 2005
 Delta R.T. 0.003 min
 Lab File: VU053590.D
 Acq: 06 Apr 2023 15:28

Tgt Ion: 43 Resp: 191447
 Ion Ratio Lower Upper
 43 100
 58 44.3 35.5 53.3
 100 19.0 15.8 23.8





#42

Toluene

Concen: 47.553 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU053590.D

Acq: 06 Apr 2023 15:28

Instrument :

MSVOA_U

ClientSampleId :

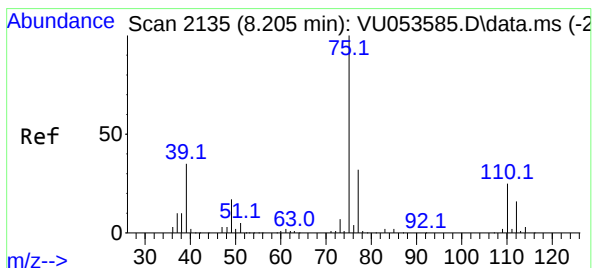
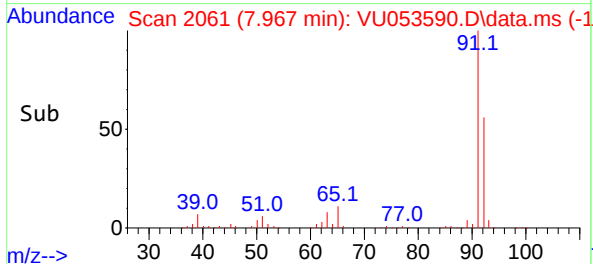
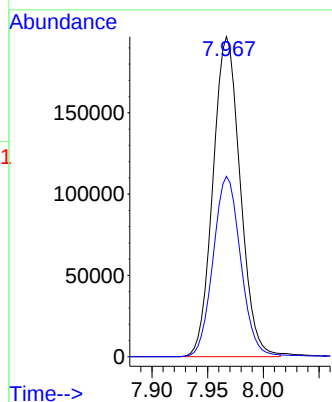
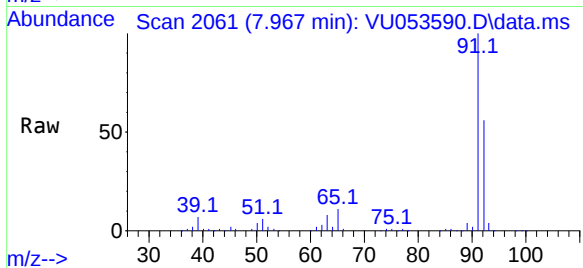
VSTD050188

Tgt Ion: 91 Resp: 335142

Ion Ratio Lower Upper

91 100

92 56.4 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 52.617 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU053590.D

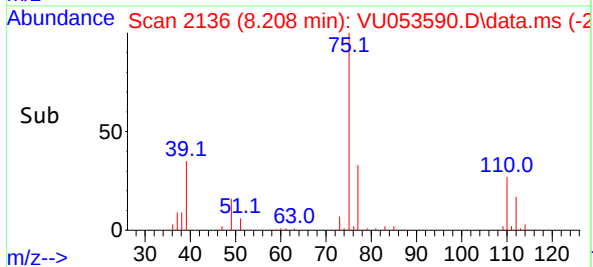
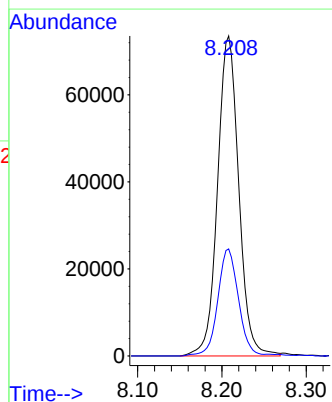
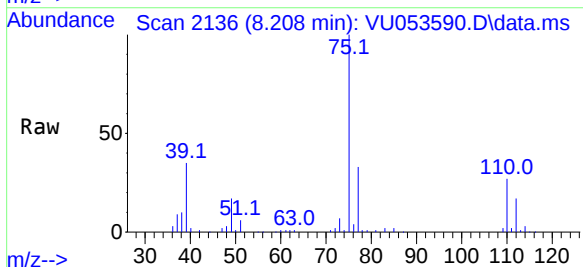
Acq: 06 Apr 2023 15:28

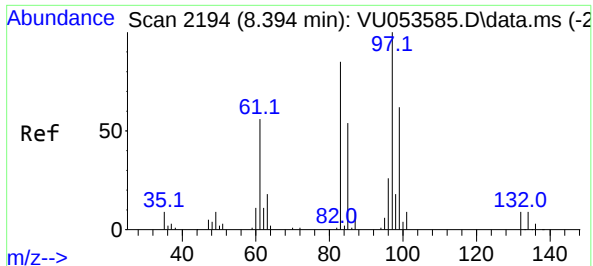
Tgt Ion: 75 Resp: 128359

Ion Ratio Lower Upper

75 100

77 33.5 21.8 40.4

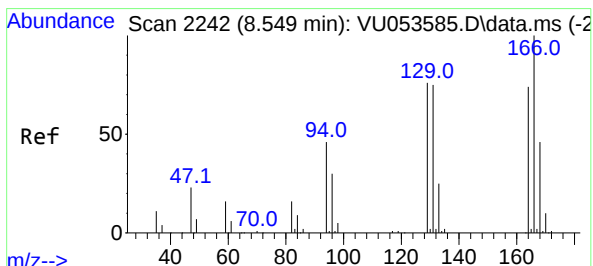
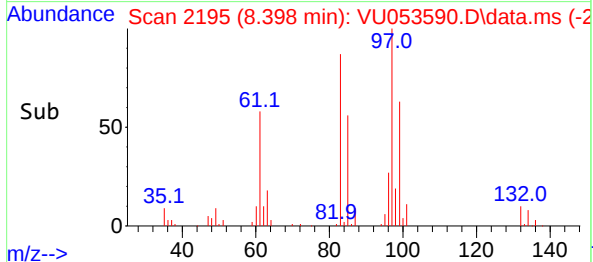
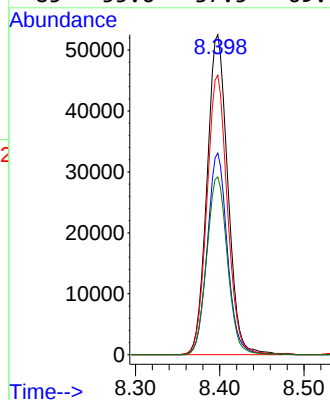
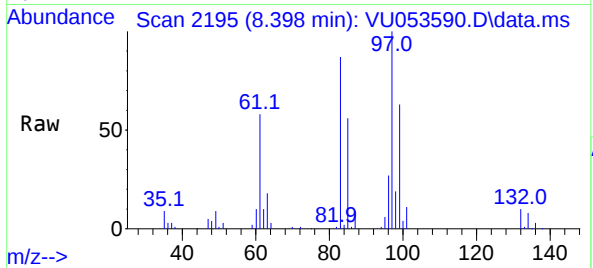




#45
1,1,2-Trichloroethane
Concen: 51.975 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

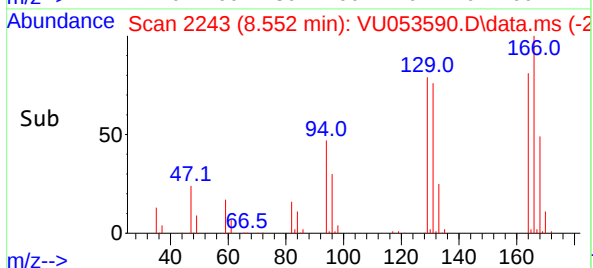
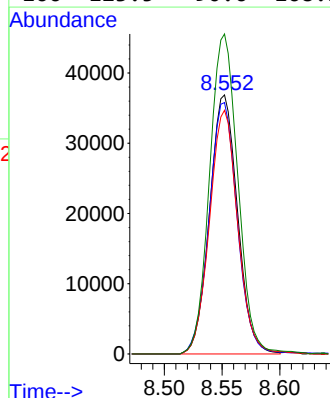
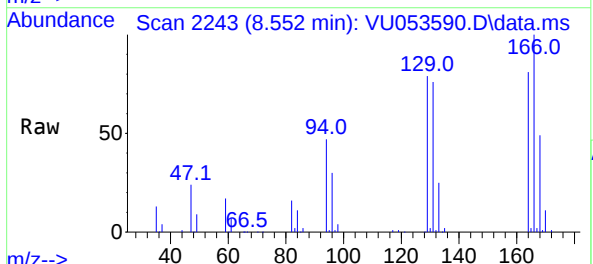
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

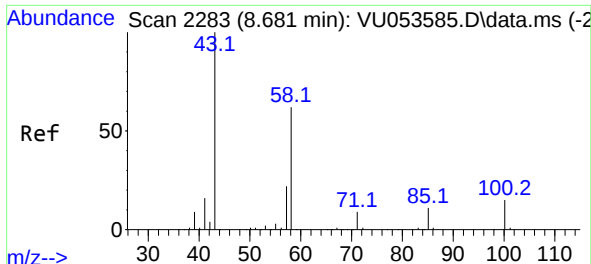
Tgt Ion:	97	Resp:	90113
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.8	81.3
83	87.4	59.0	109.6
85	55.6	37.5	69.7



#46
Tetrachloroethene
Concen: 39.787 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion:	164	Resp:	62103
Ion	Ratio	Lower	Upper
164	100		
129	97.0	64.0	119.0
131	94.1	61.9	115.1
166	123.5	90.6	168.2



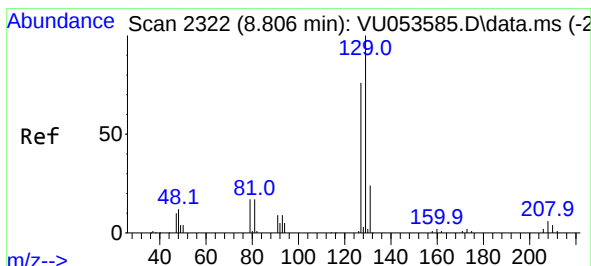
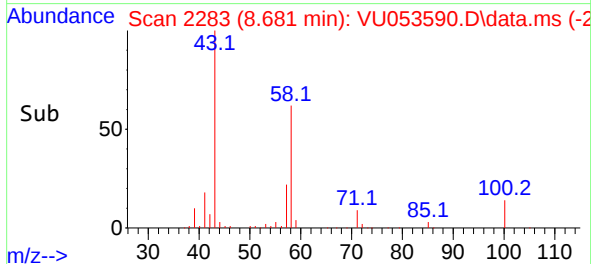
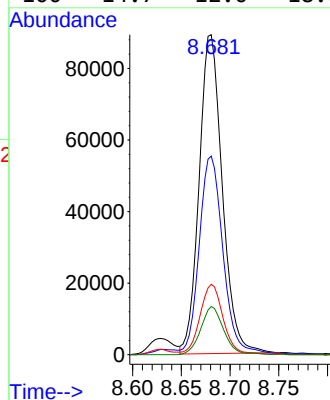
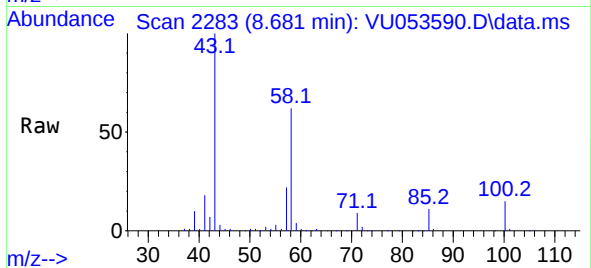


#48
2-Hexanone
Concen: 106.385 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

Tgt Ion: 43 Resp: 147676

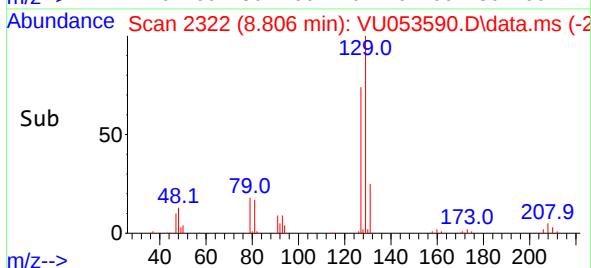
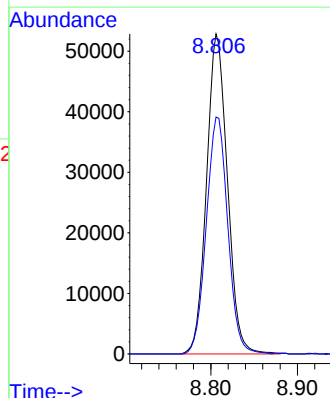
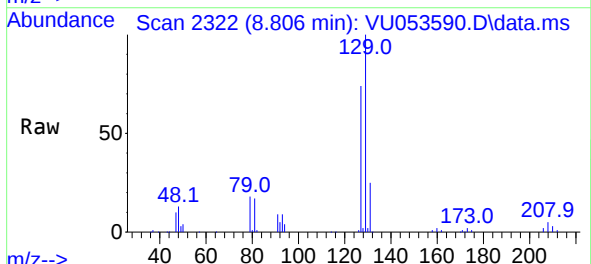
Ion	Ratio	Lower	Upper
43	100		
58	64.2	49.8	74.6
57	22.2	17.8	26.6
100	14.7	12.0	18.0

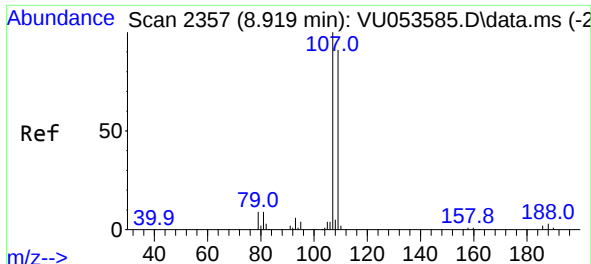


#49
Dibromochloromethane
Concen: 49.142 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion: 129 Resp: 88592

Ion	Ratio	Lower	Upper
129	100		
127	74.0	53.5	99.3

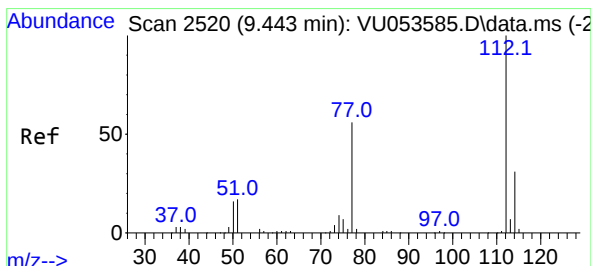
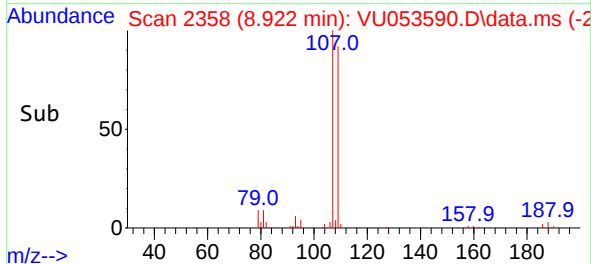
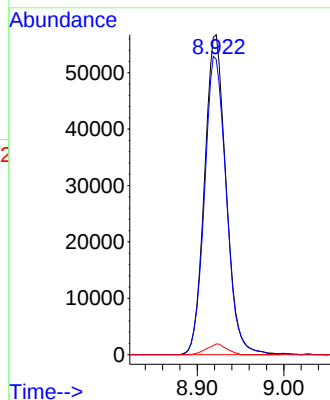
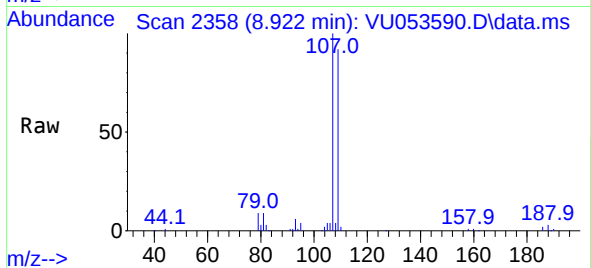




#50
1,2-Dibromoethane
Concen: 50.475 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

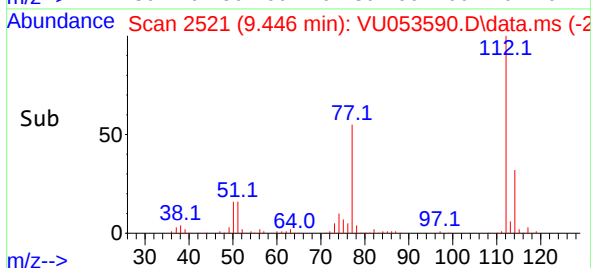
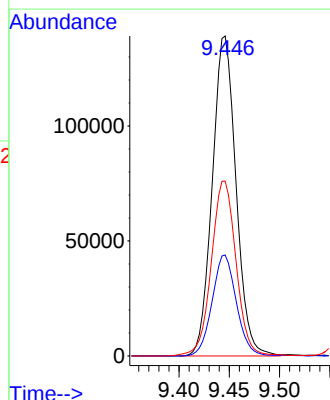
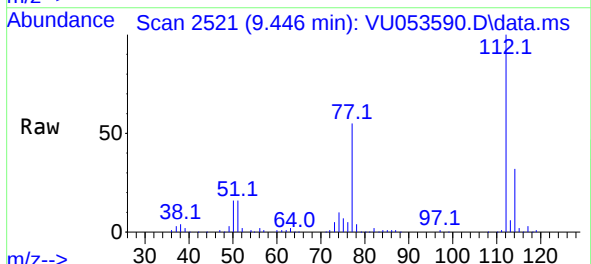
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

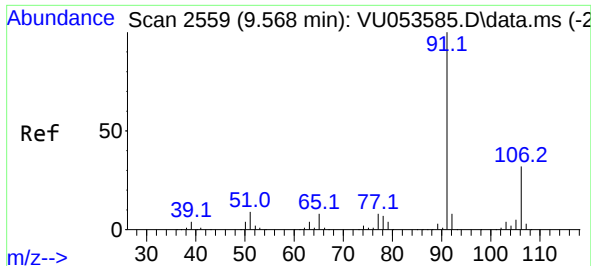
Tgt Ion:107 Resp: 97908
Ion Ratio Lower Upper
107 100
109 92.3 66.3 123.1
188 3.3 3.0 4.4



#51
Chlorobenzene
Concen: 47.079 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion:112 Resp: 228611
Ion Ratio Lower Upper
112 100
114 31.6 22.2 41.2
77 54.7 41.3 61.9

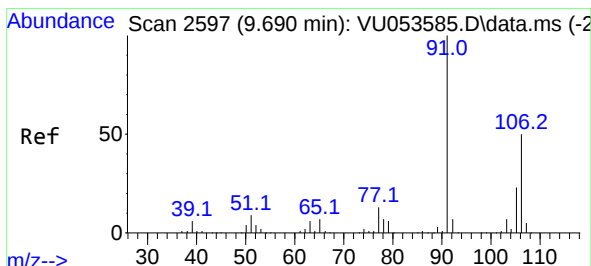
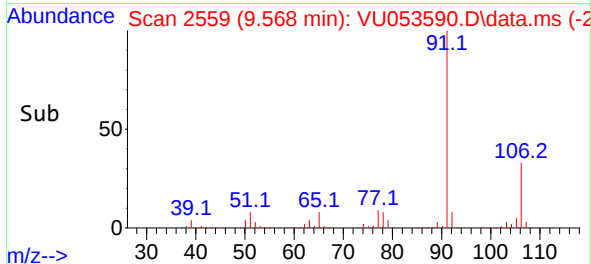
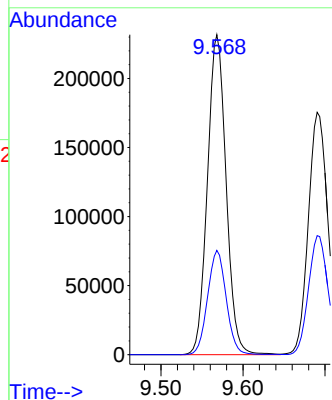
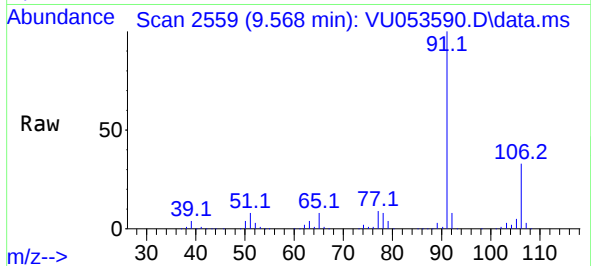




#52
Ethylbenzene
Concen: 46.758 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

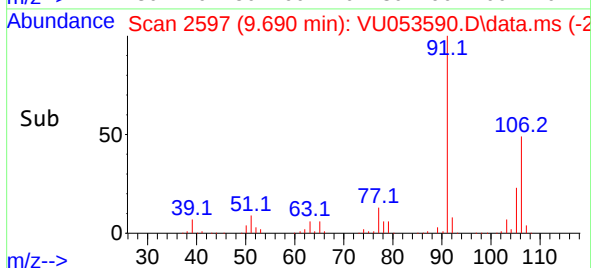
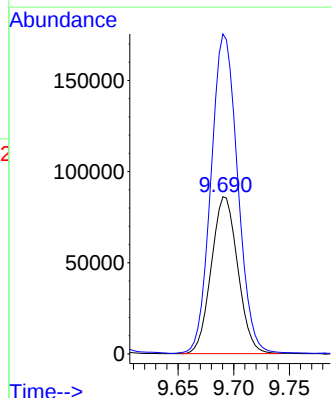
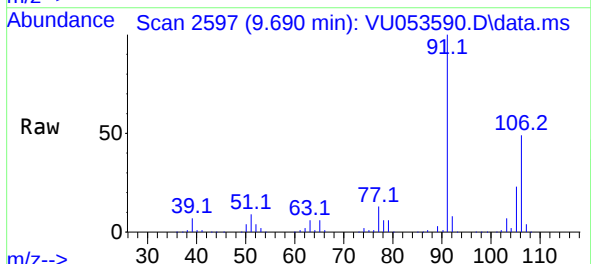
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

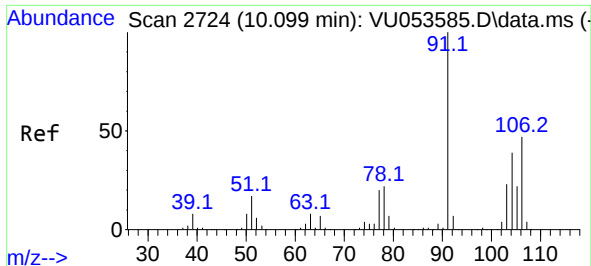
Tgt Ion: 91 Resp: 366844
Ion Ratio Lower Upper
91 100
106 32.6 22.4 41.6



#53
m,p-Xylene
Concen: 46.423 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion:106 Resp: 142443
Ion Ratio Lower Upper
106 100
91 203.5 140.0 260.0

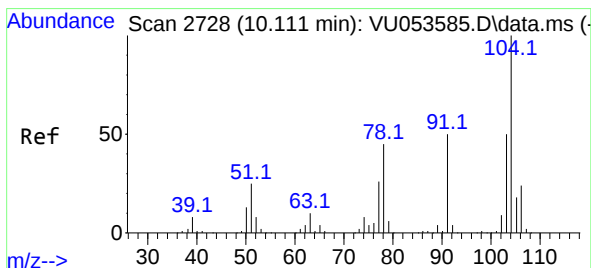
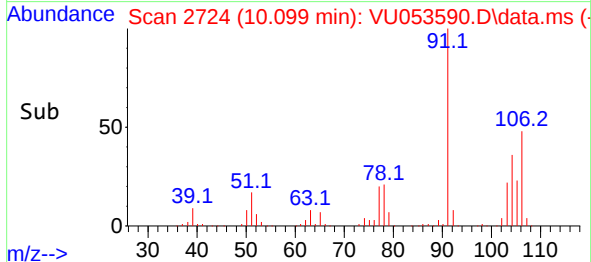
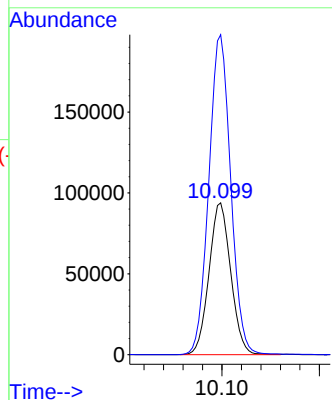
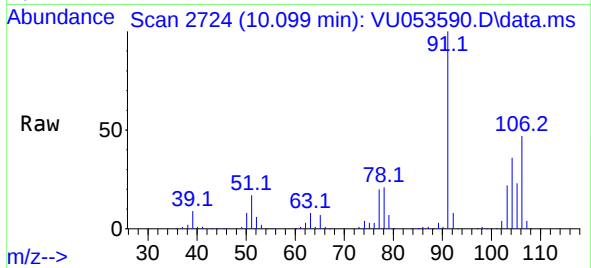




#54
o-xylene
Concen: 47.958 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

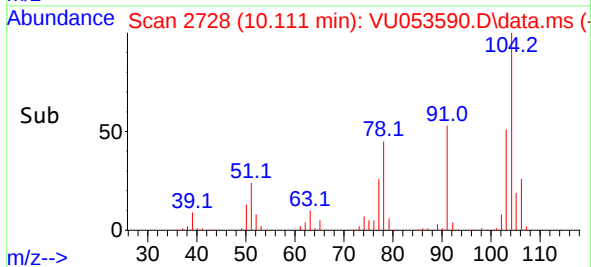
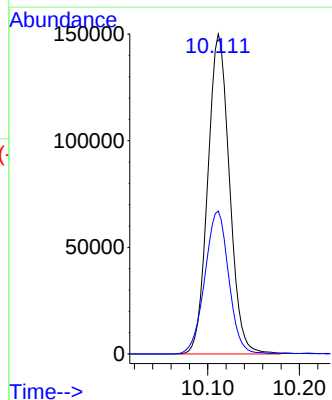
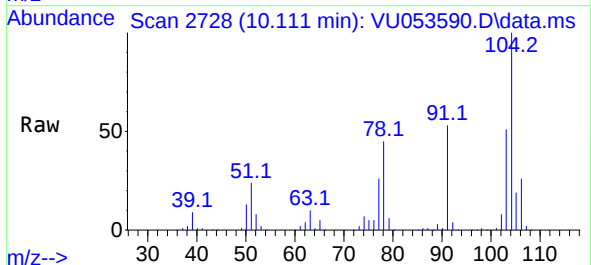
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

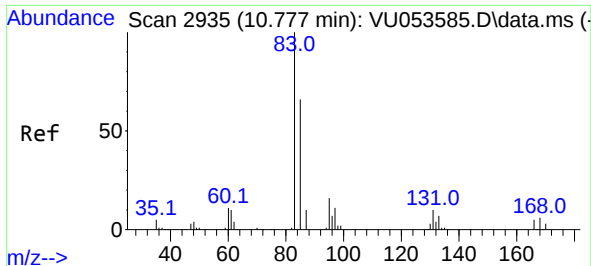
Tgt Ion:106 Resp: 145490
Ion Ratio Lower Upper
106 100
91 210.7 144.9 269.1



#55
Styrene
Concen: 50.020 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion:104 Resp: 247167
Ion Ratio Lower Upper
104 100
78 44.7 31.3 58.1

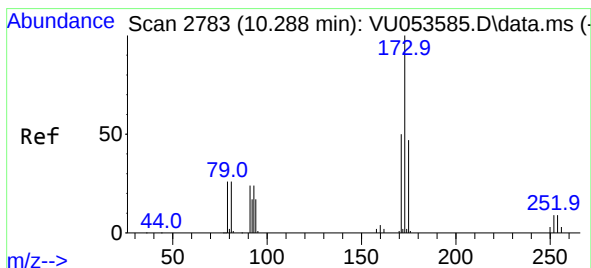
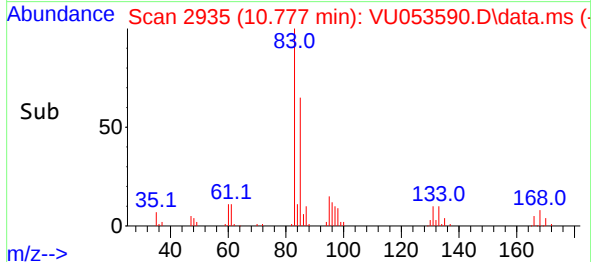
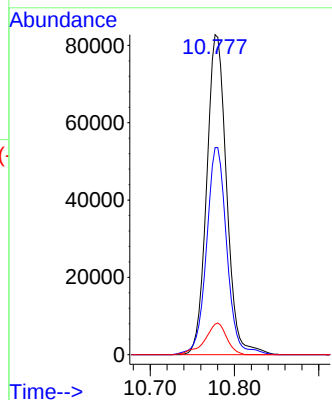
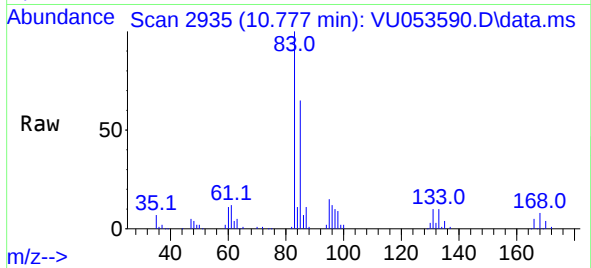




#57
1,1,2,2-Tetrachloroethane
Concen: 53.422 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

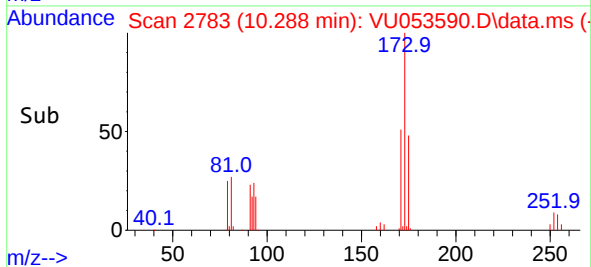
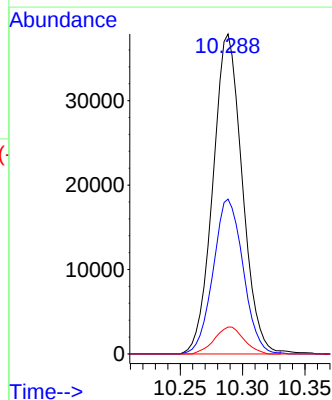
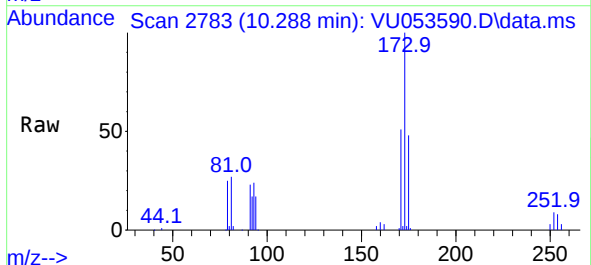
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

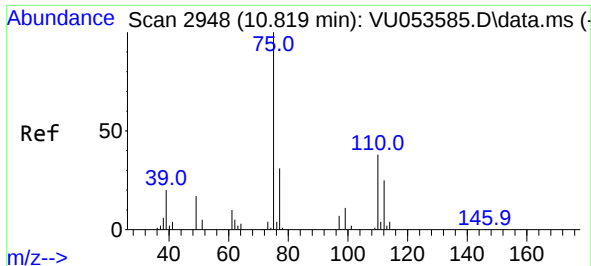
Tgt Ion: 83 Resp: 135991
Ion Ratio Lower Upper
83 100
85 64.7 47.0 87.4
131 9.6 8.7 13.1



#59
Bromoform
Concen: 46.112 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion:173 Resp: 62038
Ion Ratio Lower Upper
173 100
175 49.5 39.0 58.6
254 8.5 7.0 10.4

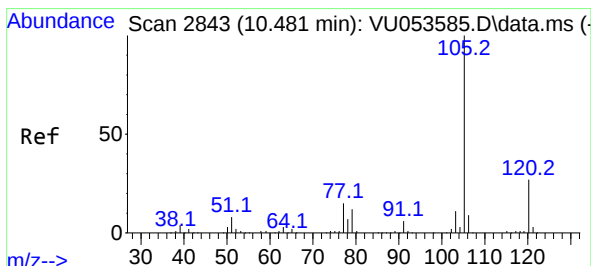
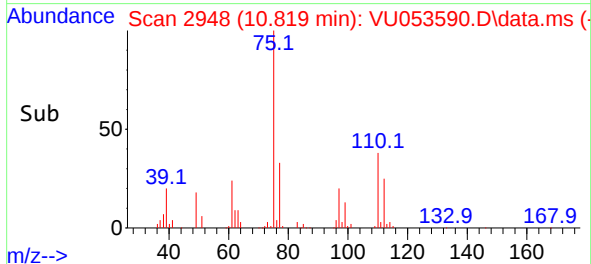
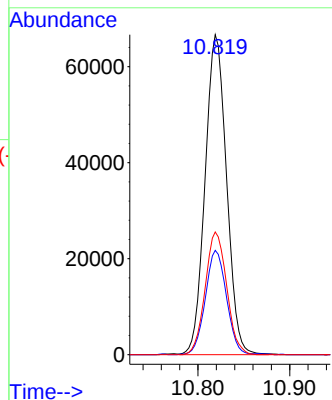
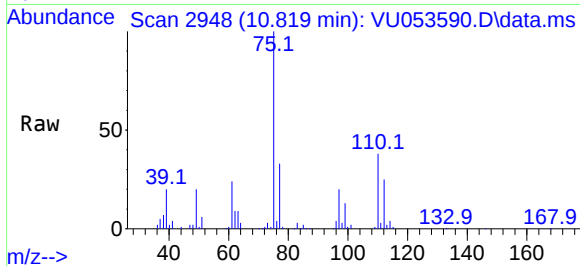




#60
1,2,3-Trichloropropane
Concen: 56.874 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

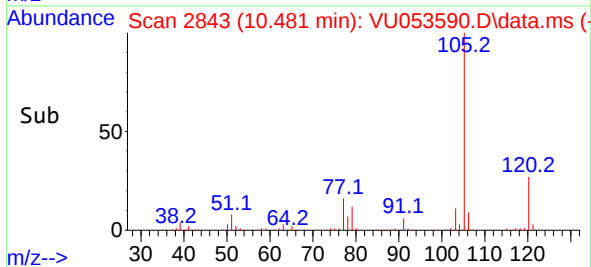
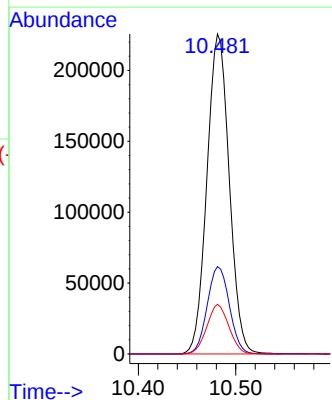
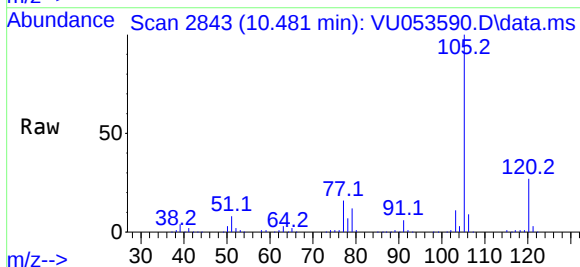
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

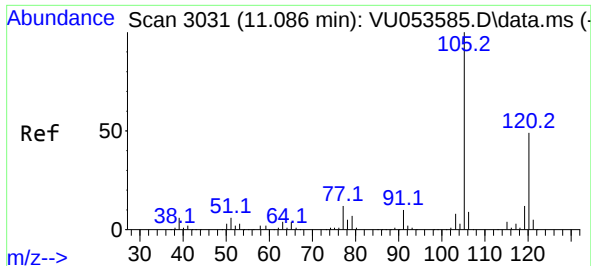
Tgt Ion: 75 Resp: 108394
Ion Ratio Lower Upper
75 100
77 32.1 26.0 39.0
110 38.3 32.6 48.8



#61
Isopropylbenzene
Concen: 46.179 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion: 105 Resp: 358866
Ion Ratio Lower Upper
105 100
120 27.1 22.4 33.6
77 15.4 12.1 18.1

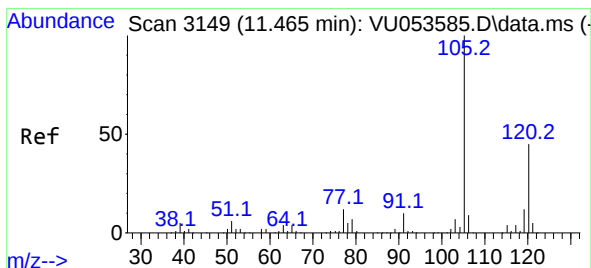
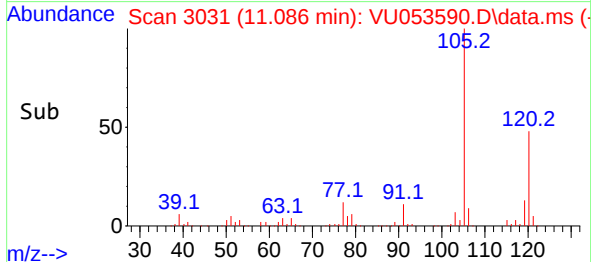
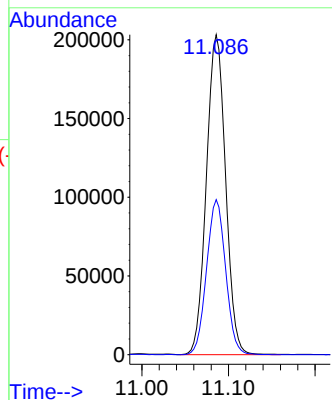
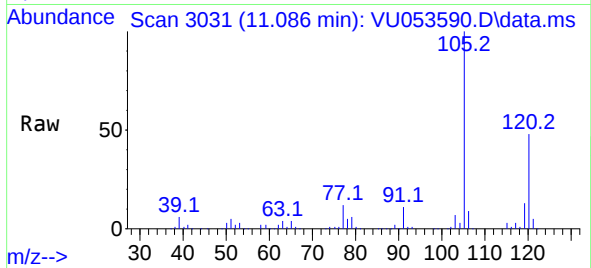




#62
1,3,5-Trimethylbenzene
Concen: 48.499 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

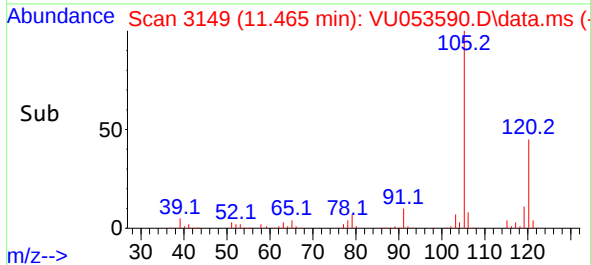
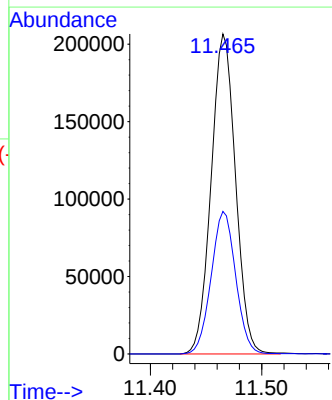
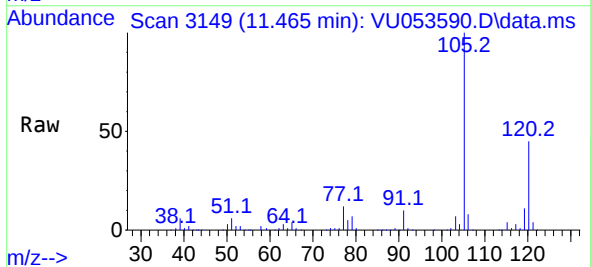
Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

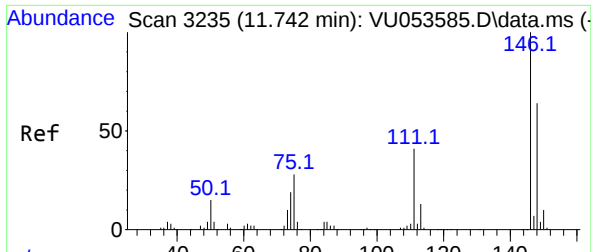
Tgt Ion:105 Resp: 313308
Ion Ratio Lower Upper
105 100
120 48.1 39.5 59.3



#63
1,2,4-Trimethylbenzene
Concen: 49.106 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion:105 Resp: 314196
Ion Ratio Lower Upper
105 100
120 44.7 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 45.496 ug/L

RT: 11.745 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU053590.D

Acq: 06 Apr 2023 15:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050188

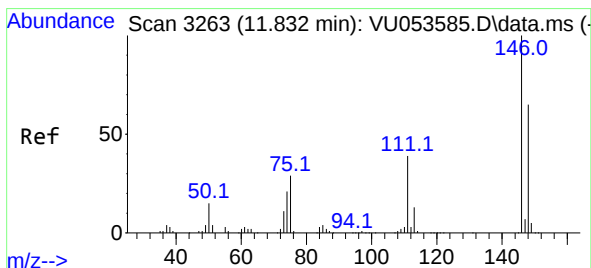
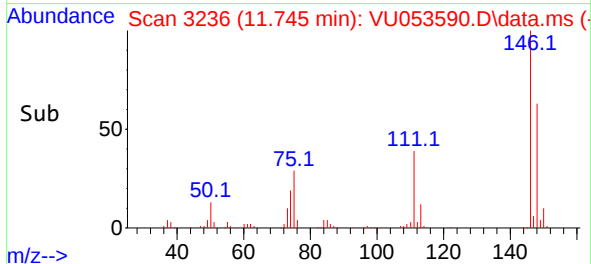
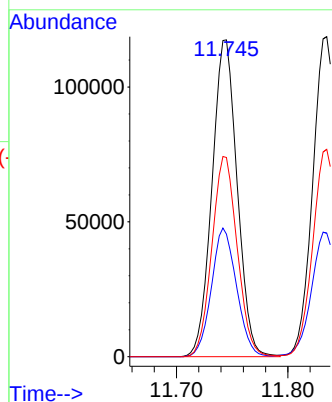
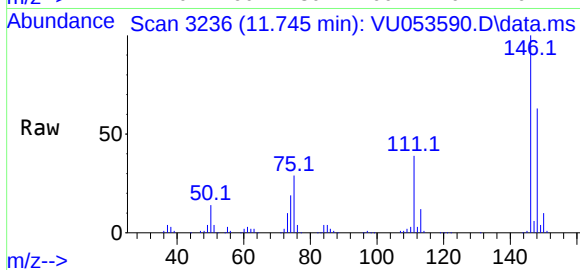
Tgt Ion:146 Resp: 184743

Ion Ratio Lower Upper

146 100

111 38.7 25.7 47.7

148 62.9 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 45.593 ug/L

RT: 11.835 min Scan# 3264

Delta R.T. 0.003 min

Lab File: VU053590.D

Acq: 06 Apr 2023 15:28

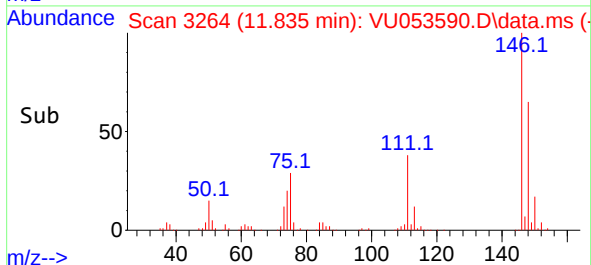
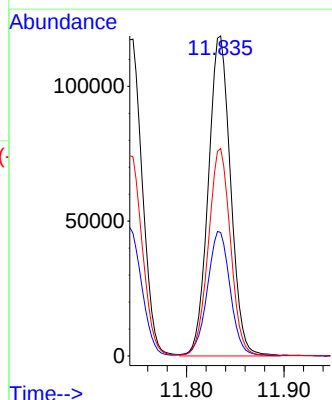
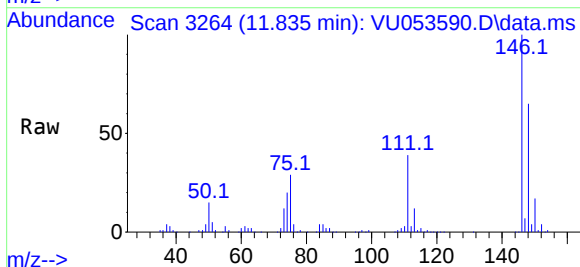
Tgt Ion:146 Resp: 188689

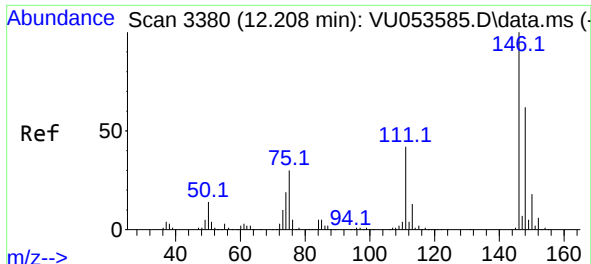
Ion Ratio Lower Upper

146 100

111 38.6 25.1 46.5

148 64.8 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 45.757 ug/L

RT: 12.211 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU053590.D

Acq: 06 Apr 2023 15:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050188

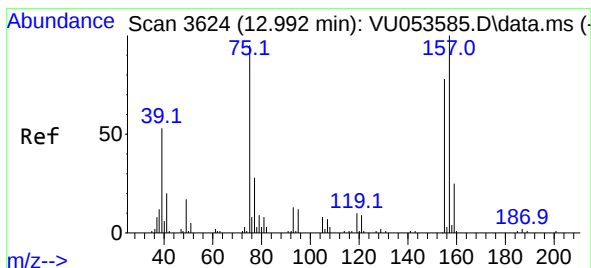
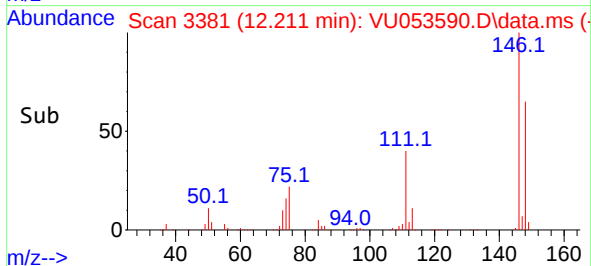
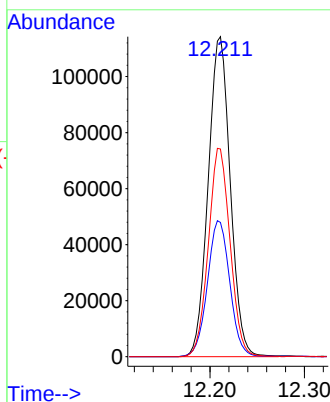
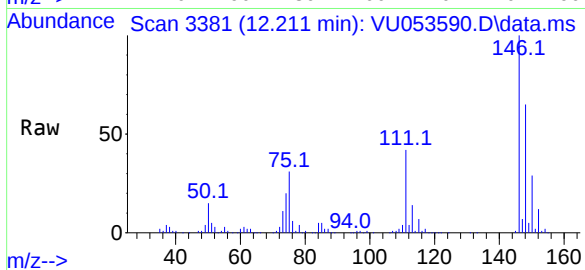
Tgt Ion:146 Resp: 185180

Ion Ratio Lower Upper

146 100

111 42.0 31.5 47.3

148 64.9 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 54.942 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.007 min

Lab File: VU053590.D

Acq: 06 Apr 2023 15:28

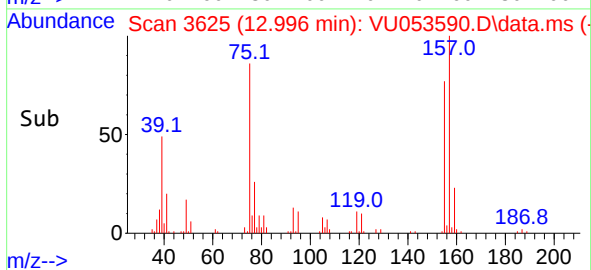
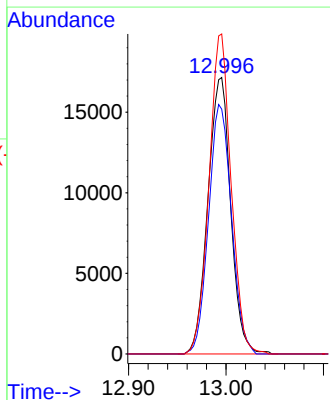
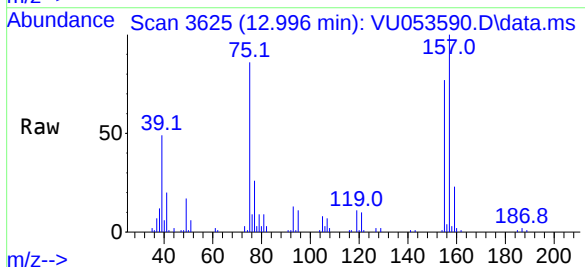
Tgt Ion: 75 Resp: 27915

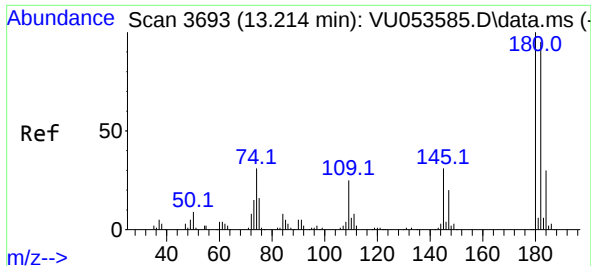
Ion Ratio Lower Upper

75 100

155 88.5 79.9 119.9

157 115.7 100.8 151.2





#69

1,3,5-Trichlorobenzene

Concen: 42.021 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. 0.003 min

Lab File: VU053590.D

Acq: 06 Apr 2023 15:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050188

Tgt Ion:180 Resp: 126357

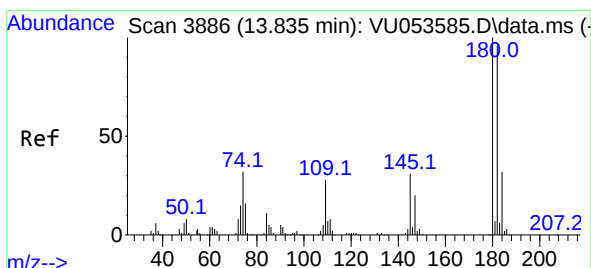
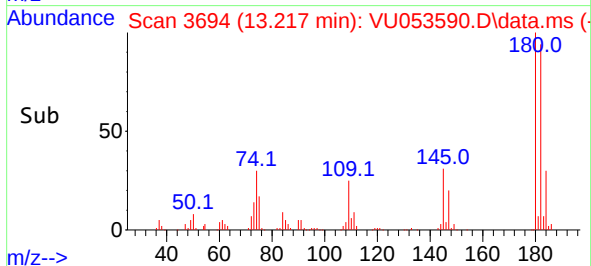
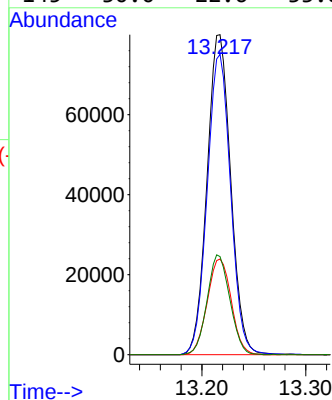
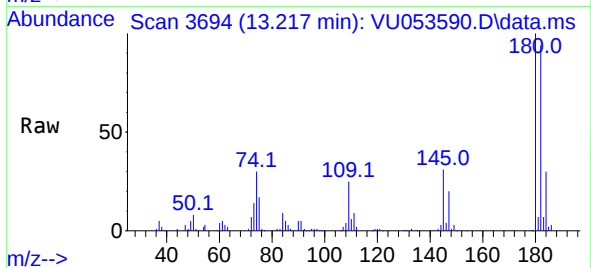
Ion Ratio Lower Upper

180 100

182 92.8 75.6 113.4

184 30.3 24.2 36.2

145 30.0 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 41.972 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU053590.D

Acq: 06 Apr 2023 15:28

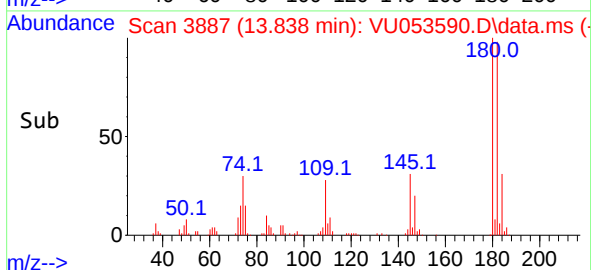
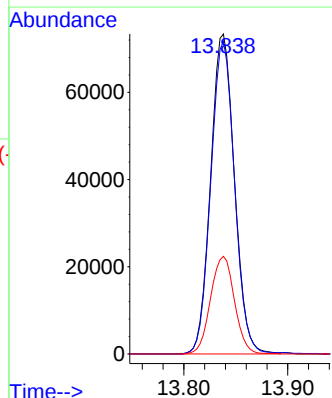
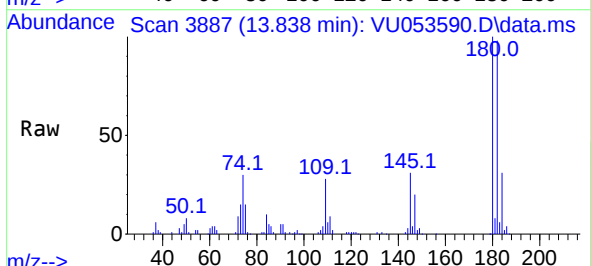
Tgt Ion:180 Resp: 117016

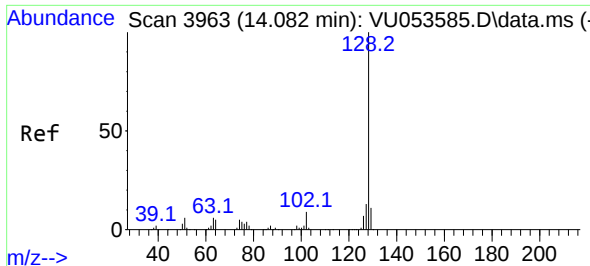
Ion Ratio Lower Upper

180 100

182 96.8 75.8 113.8

145 30.5 23.4 35.2

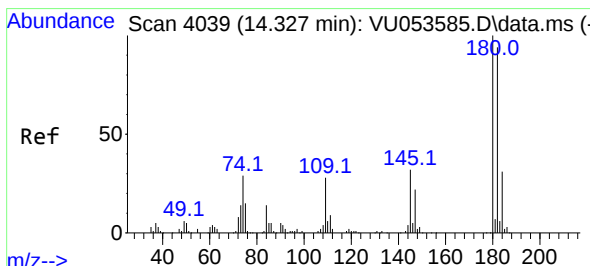
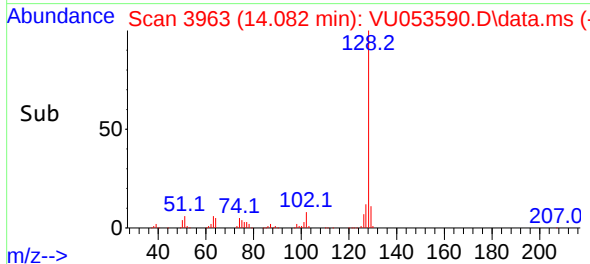
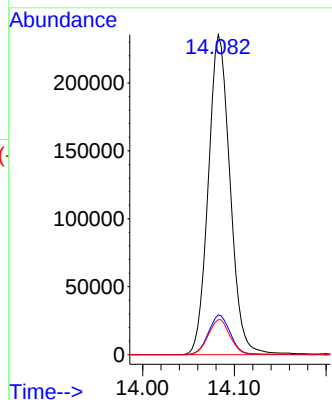
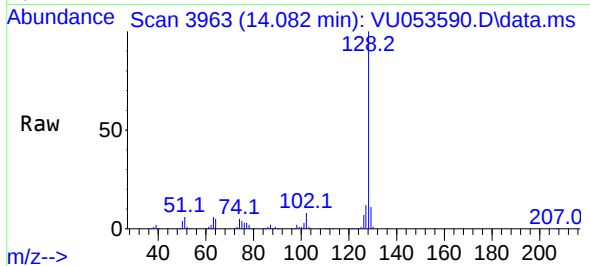




#71
Naphthalene
Concen: 46.534 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050188

Tgt Ion:128 Resp: 388311
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 11.0 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 42.087 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU053590.D
Acq: 06 Apr 2023 15:28

Tgt Ion:180 Resp: 117197
Ion Ratio Lower Upper
180 100
182 95.9 77.0 115.6
145 33.1 25.4 38.0

