

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061623\
 Data File : VU054559.D
 Acq On : 16 Jun 2023 08:47
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005187

Quant Time: Jun 17 06:05:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 14 00:05:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	281873	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	272765	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	145618	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	62358	3.476	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.600%
7) Chloroethane-d5	1.914	69	76177	4.536	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.800%
11) 1,1-Dichloroethene-d2	2.567	65	28865	3.603	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.000%
20) 2-Butanone-d5	4.628	46	239793	47.544	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.080%
24) Chloroform-d	5.062	84	181405	4.838	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	5.698	65	84995	4.650	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.724	84	335031	4.419	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	6.685	67	115462	4.560	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.894	98	290893	4.323	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	8.177	79	35661	4.050	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.000%
46) 2-Hexanone-d5	8.631	63	165254	44.732	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.460%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	86761	4.595	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	107414	4.373	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	123246	4.679	ug/L	99
3) Chloromethane	1.518	50	131209	4.337	ug/L	97
5) Vinyl chloride	1.605	62	147907	4.763	ug/L	99
6) Bromomethane	1.859	94	76591	4.486	ug/L	96
8) Chloroethane	1.933	64	92314	4.959	ug/L	98
9) Trichlorofluoromethane	2.139	101	196481	5.146	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	115313	5.163	ug/L	98
12) 1,1-Dichloroethene	2.579	96	100955	4.938	ug/L	97
13) Acetone	2.641	43	242259	50.943	ug/L	99
14) Carbon disulfide	2.792	76	278811	4.599	ug/L	100
15) Methyl Acetate	2.956	43	39924	4.530	ug/L	99
16) Methylene chloride	3.042	84	116587	4.055	ug/L	96
17) Methyl tert-butyl Ether	3.361	73	242349	4.803	ug/L	100
18) trans-1,2-Dichloroethene	3.351	96	104514	4.951	ug/L	98
19) 1,1-Dichloroethane	3.866	63	219374	5.022	ug/L	99
21) 2-Butanone	4.708	43	308968	50.062	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	118493	4.930	ug/L	93
23) Bromochloromethane	4.972	128	52436	5.242	ug/L	87
25) Chloroform	5.084	83	217886	5.059	ug/L	98

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 ALS Vial : 2 Sample Multiplier: 1

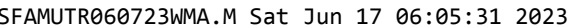
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 ClientSampleId :
 VSTD005187

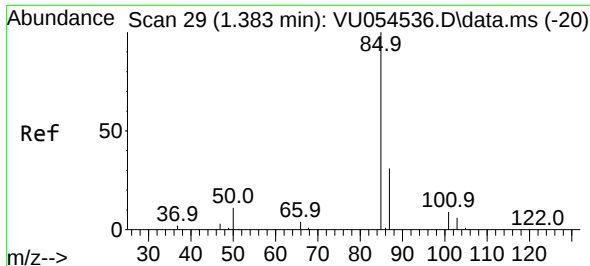
Quant Time: Jun 17 06:05:21 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 14 00:05:43 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	125369	4.966	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	182859	4.944	ug/L	98
30) Cyclohexane	5.383	56	175133	4.347	ug/L	97
31) Carbon tetrachloride	5.521	117	160105	5.024	ug/L	98
33) Benzene	5.772	78	466421	4.758	ug/L	100
34) Trichloroethene	6.537	95	121414	4.684	ug/L	97
35) Methylcyclohexane	6.759	83	178499	4.556	ug/L	98
37) 1,2-Dichloropropane	6.788	63	123976	4.677	ug/L	100
38) Bromodichloromethane	7.103	83	152435	5.081	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	173345	4.790	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	653298	46.187	ug/L	99
42) Toluene	7.965	91	502140	4.974	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	143321	4.880	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	84671	5.021	ug/L	97
47) Tetrachloroethene	8.550	164	94828	4.779	ug/L	98
48) 2-Hexanone	8.679	43	503824	47.804	ug/L	99
49) Dibromochloromethane	8.804	129	93126	5.260	ug/L	100
50) 1,2-Dibromoethane	8.920	107	76044	4.912	ug/L	100
51) Chlorobenzene	9.444	112	310788	4.939	ug/L	98
52) Ethylbenzene	9.566	91	533361	4.838	ug/L	100
53) m,p-Xylene	9.692	106	202887	5.009	ug/L	99
54) o-Xylene	10.097	106	196828	5.025	ug/L	97
55) Styrene	10.110	104	335401	5.102	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	102220	4.773	ug/L	97
59) Bromoform	10.287	173	54939	5.255	ug/L	98
60) Isopropylbenzene	10.479	105	537172	5.043	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	69212	4.703	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	424720	4.887	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	433377	4.910	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	259328	5.208	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	256423	5.131	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	232183	5.070	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	15252	4.716	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	191336	5.093	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	155757	5.014	ug/L	98
71) Naphthalene	14.081	128	212740	4.211	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	131439	4.925	ug/L	98

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

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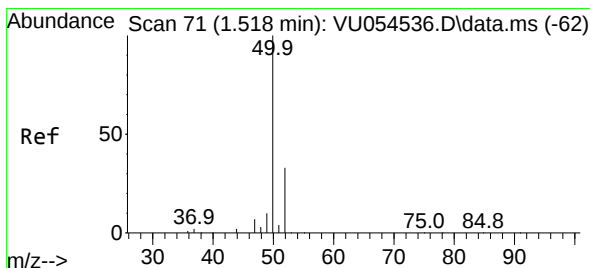
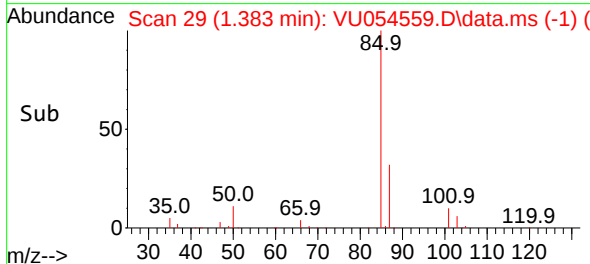
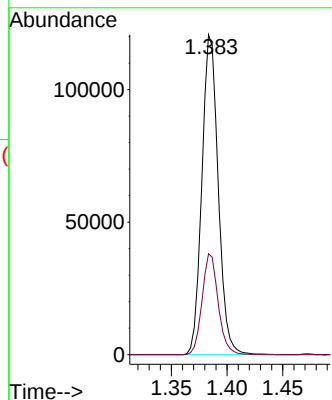
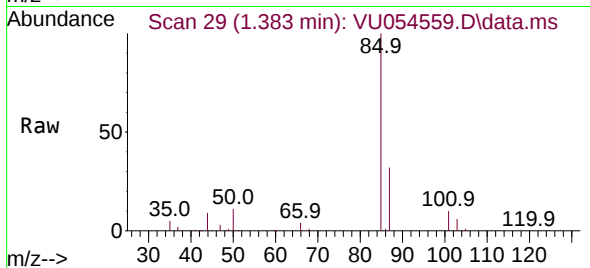




#2
 Dichlorodifluoromethane
 Concen: 4.679 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054559.D
 Acq: 16 Jun 2023 08:47

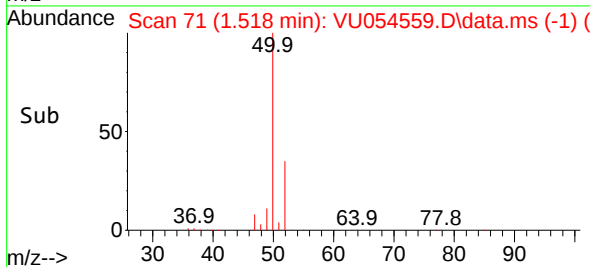
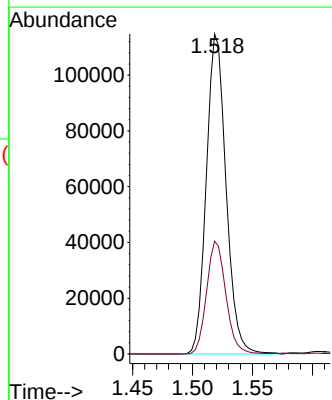
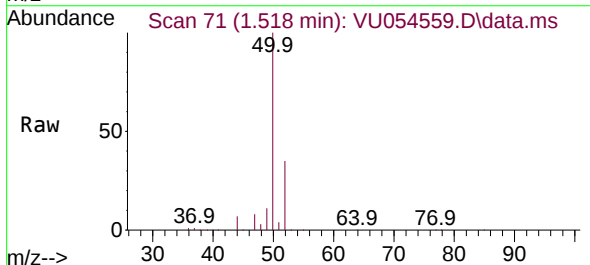
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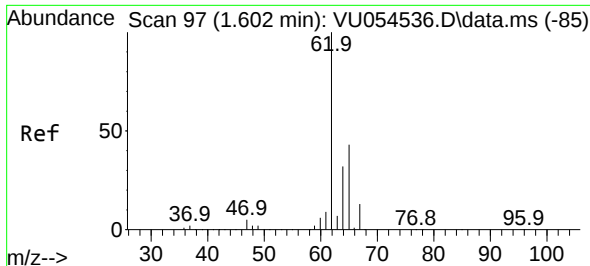
Tgt Ion: 85 Resp: 123246
 Ion Ratio Lower Upper
 85 100
 87 31.1 25.4 38.2



#3
 Chloromethane
 Concen: 4.337 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU054559.D
 Acq: 16 Jun 2023 08:47

Tgt Ion: 50 Resp: 131209
 Ion Ratio Lower Upper
 50 100
 52 35.3 23.4 43.4

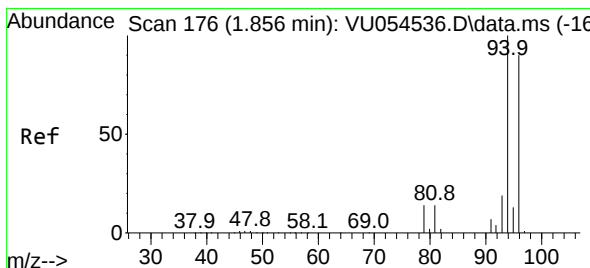
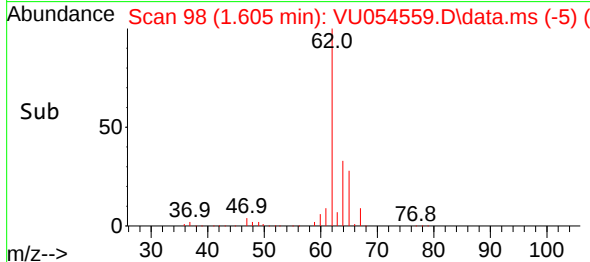
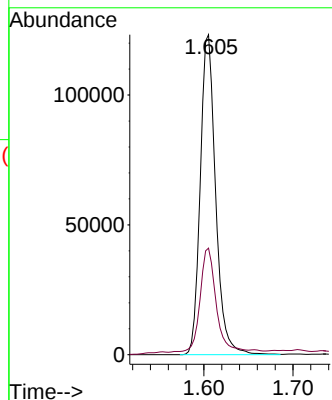
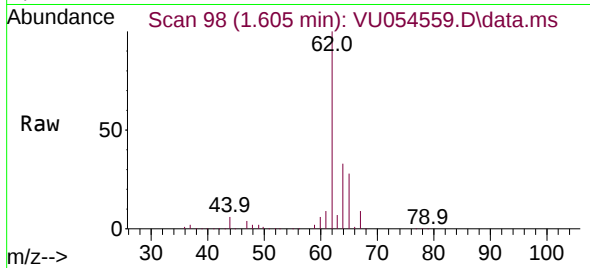




#5
 Vinyl chloride
 Concen: 4.763 ug/L
 RT: 1.605 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: VU054559.D
 Acq: 16 Jun 2023 08:47

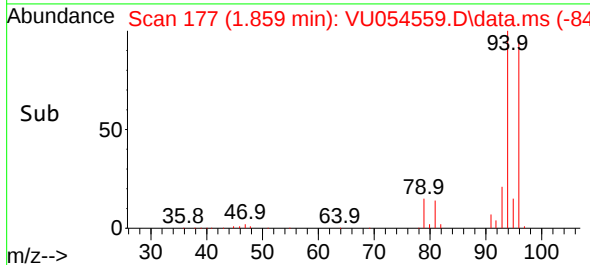
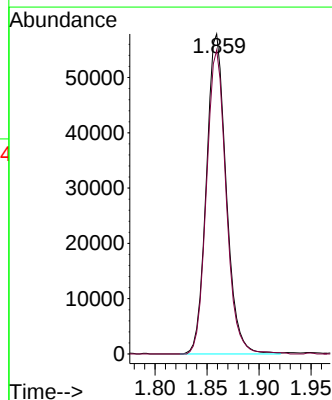
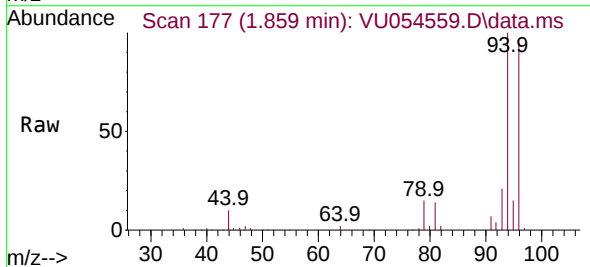
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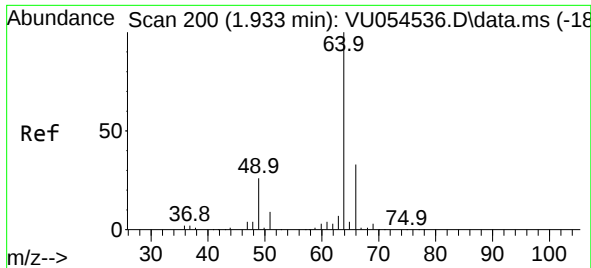
Tgt Ion: 62 Resp: 147907
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.0 42.6



#6
 Bromomethane
 Concen: 4.486 ug/L
 RT: 1.859 min Scan# 177
 Delta R.T. 0.000 min
 Lab File: VU054559.D
 Acq: 16 Jun 2023 08:47

Tgt Ion: 94 Resp: 76591
 Ion Ratio Lower Upper
 94 100
 96 94.9 63.6 118.2

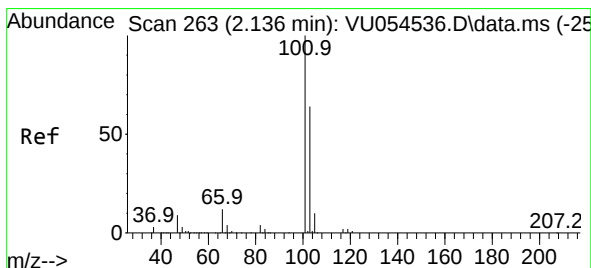
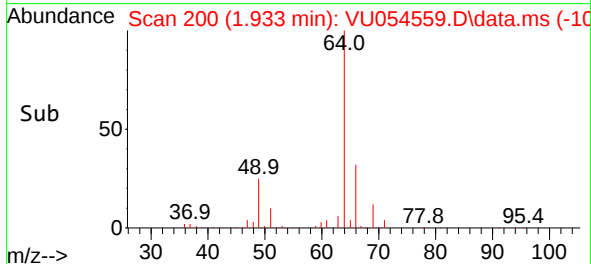
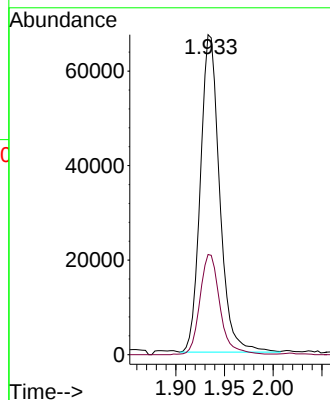
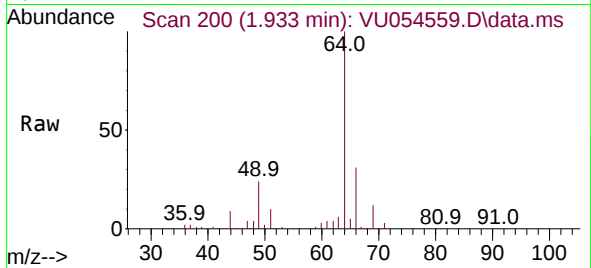




#8
Chloroethane
Concen: 4.959 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

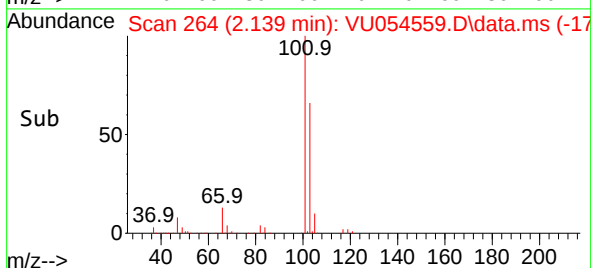
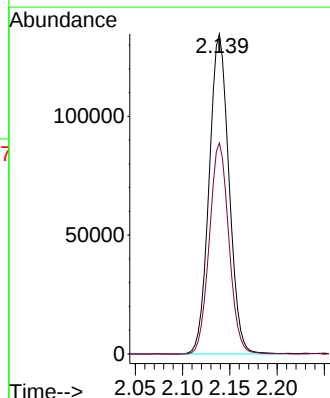
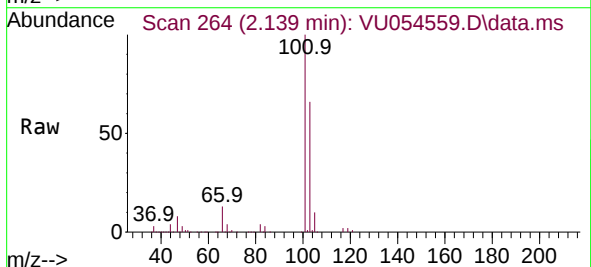
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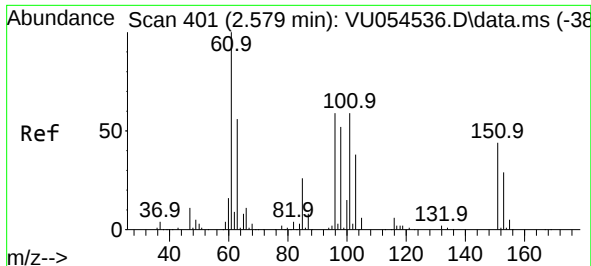
Tgt Ion: 64 Resp: 92314
Ion Ratio Lower Upper
64 100
66 31.3 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.146 ug/L
RT: 2.139 min Scan# 264
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

Tgt Ion: 101 Resp: 196481
Ion Ratio Lower Upper
101 100
103 64.8 50.6 75.8

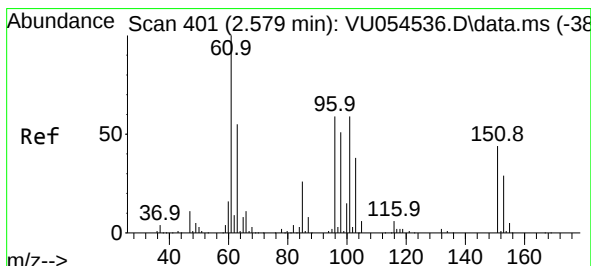
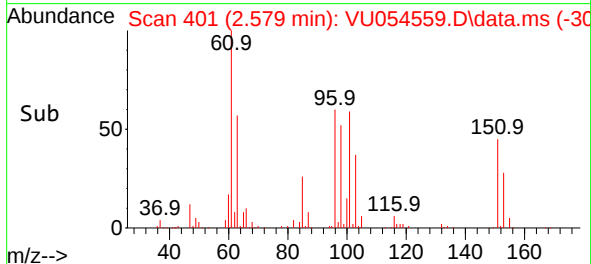
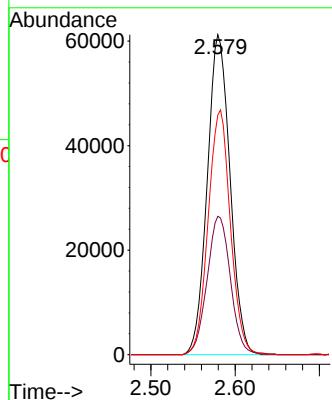
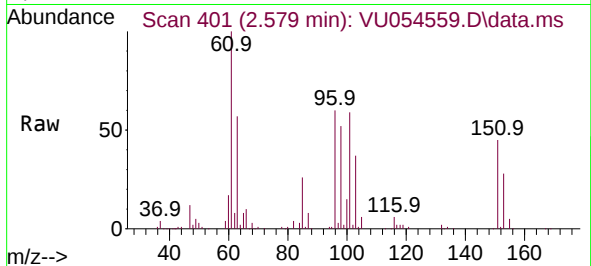




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.163 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

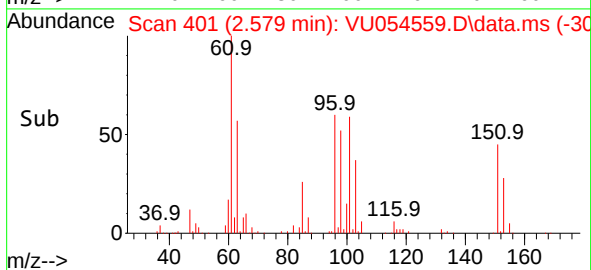
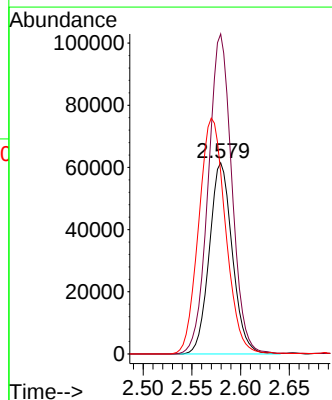
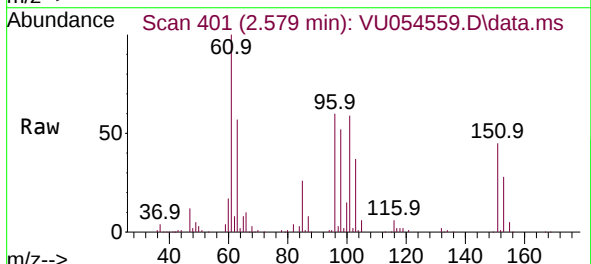
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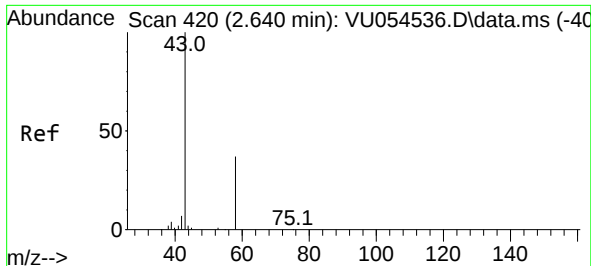
Tgt Ion:101 Resp: 115313
Ion Ratio Lower Upper
101 100
85 44.1 34.6 51.8
151 74.5 57.7 86.5



#12
1,1-Dichloroethene
Concen: 4.938 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

Tgt Ion: 96 Resp: 100955
Ion Ratio Lower Upper
96 100
61 167.3 119.9 222.7
63 95.1 64.3 119.3





#13

Acetone

Concen: 50.943 ug/L

RT: 2.641 min Scan# 41

Delta R.T. -0.010 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

Instrument :

MSVOA_U

ClientSampleId :

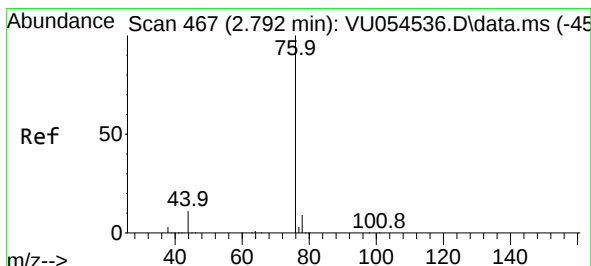
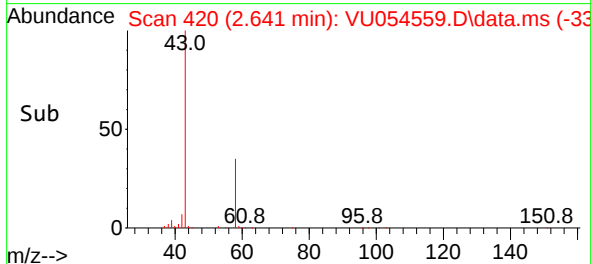
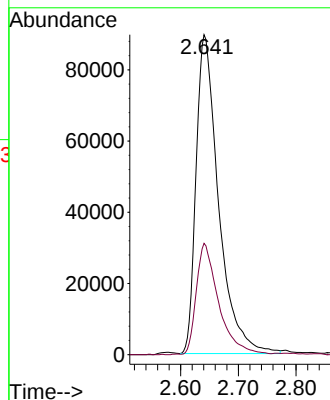
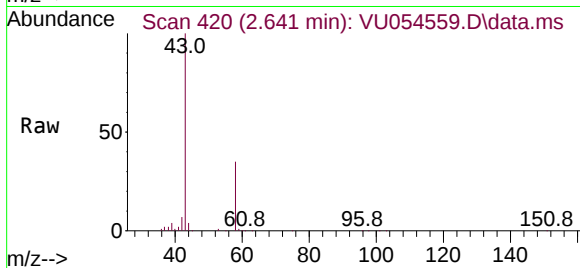
VSTD005187

Tgt Ion: 43 Resp: 242259

Ion Ratio Lower Upper

43 100

58 34.2 0.0 67.2



#14

Carbon disulfide

Concen: 4.599 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU054559.D

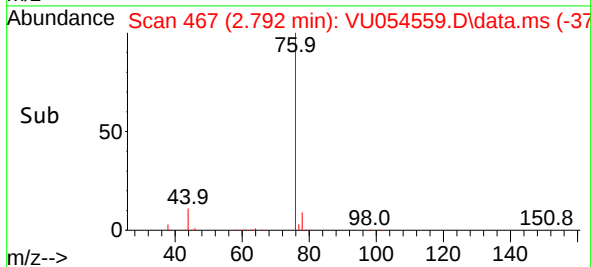
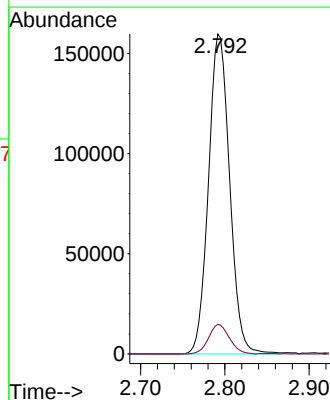
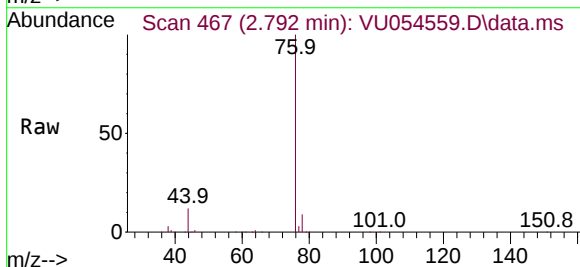
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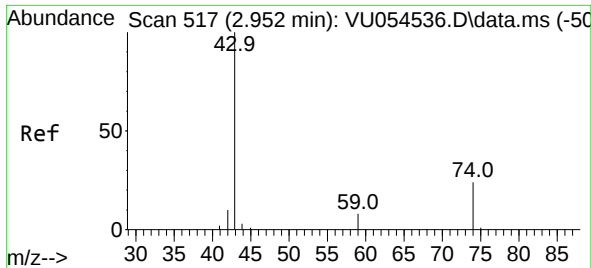
Tgt Ion: 76 Resp: 278811

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

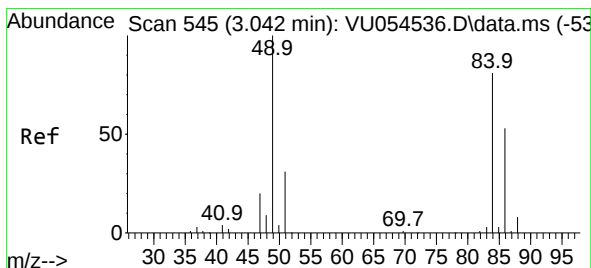
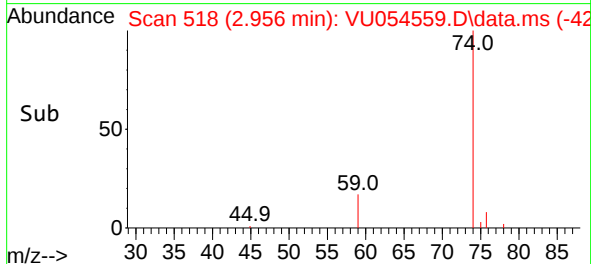
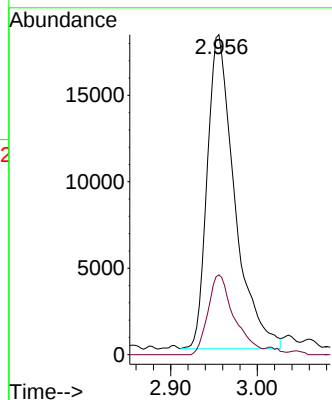
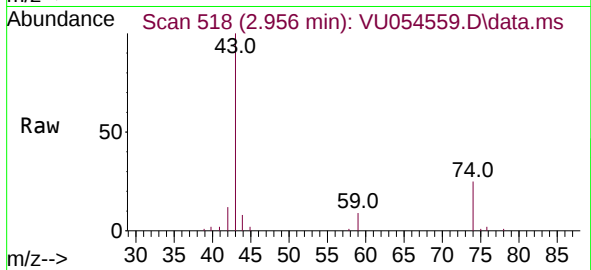




#15
Methyl Acetate
Concen: 4.530 ug/L
RT: 2.956 min Scan# 517
Delta R.T. -0.003 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

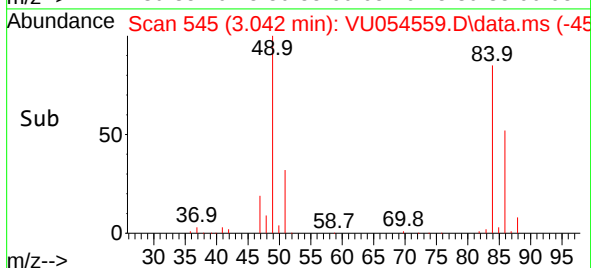
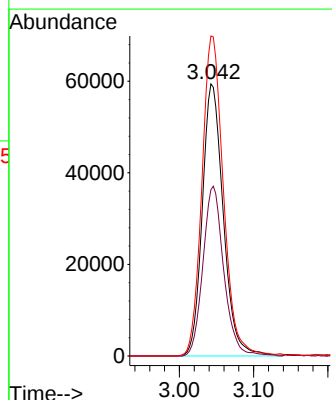
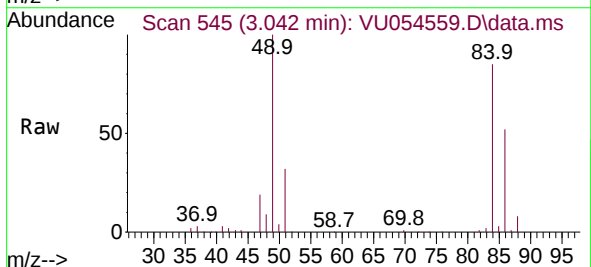
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

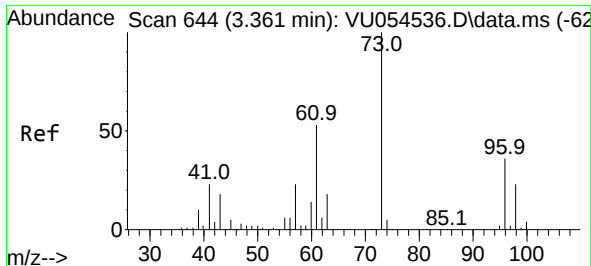
Tgt Ion: 43 Resp: 39924
Ion Ratio Lower Upper
43 100
74 24.4 19.0 28.6



#16
Methylene chloride
Concen: 4.055 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.003 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

Tgt Ion: 84 Resp: 116587
Ion Ratio Lower Upper
84 100
86 61.1 43.9 81.5
49 117.7 86.1 159.9





#17

Methyl tert-butyl Ether

Concen: 4.803 ug/L

RT: 3.361 min Scan# 644

Delta R.T. 0.000 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD005187

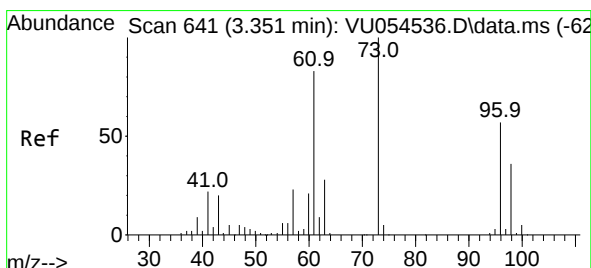
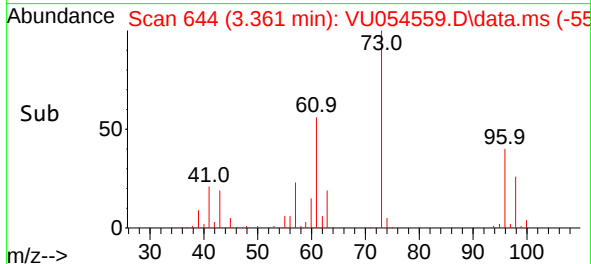
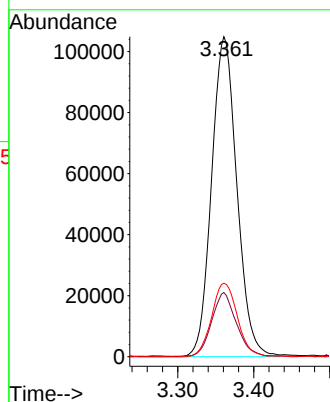
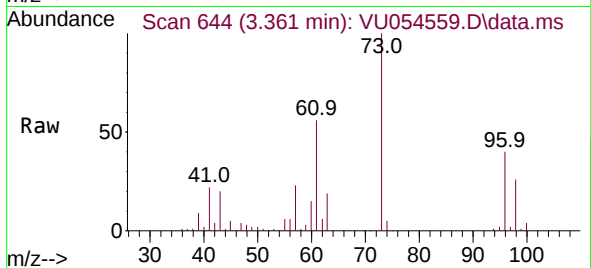
Tgt Ion: 73 Resp: 242349

Ion Ratio Lower Upper

73 100

43 19.4 15.7 23.5

57 23.3 18.6 28.0



#18

trans-1,2-Dichloroethene

Concen: 4.951 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.000 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

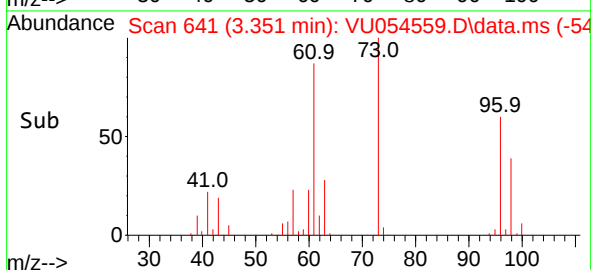
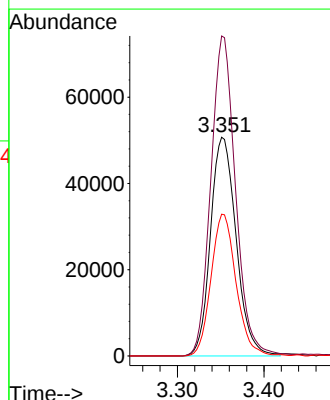
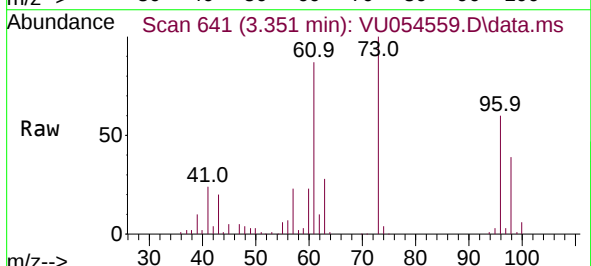
Tgt Ion: 96 Resp: 104514

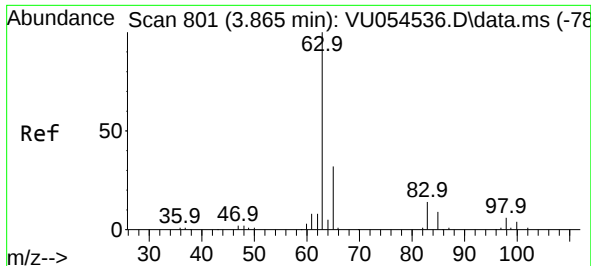
Ion Ratio Lower Upper

96 100

61 146.3 104.6 194.2

98 64.8 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.022 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD005187

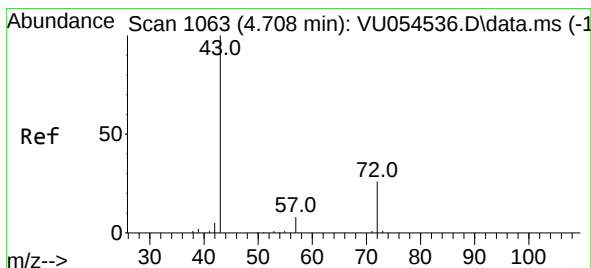
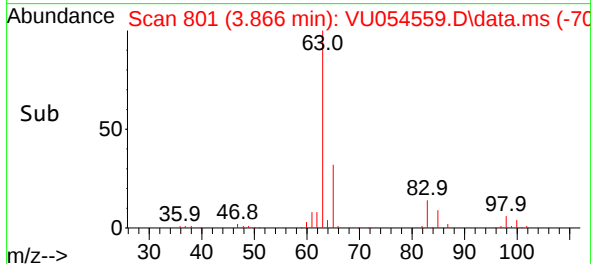
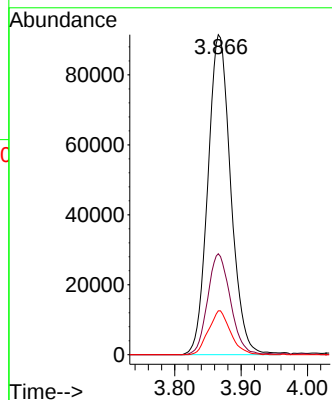
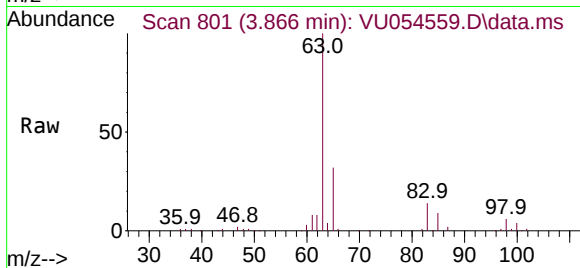
Tgt Ion: 63 Resp: 219374

Ion Ratio Lower Upper

63 100

65 31.6 22.2 41.2

83 13.7 9.0 16.6



#21

2-Butanone

Concen: 50.062 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. -0.003 min

Lab File: VU054559.D

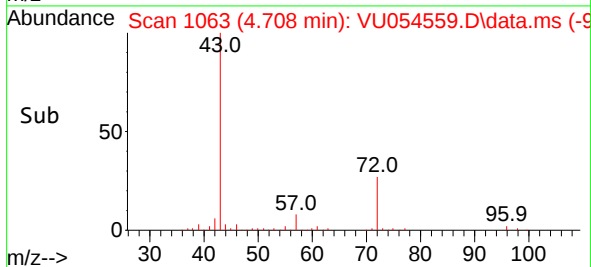
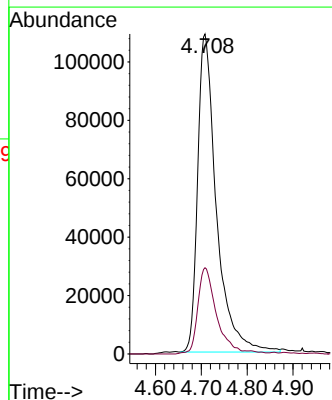
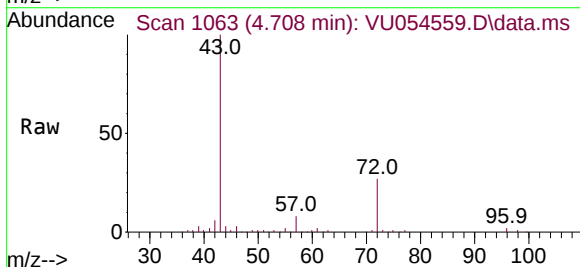
Acq: 16 Jun 2023 08:47

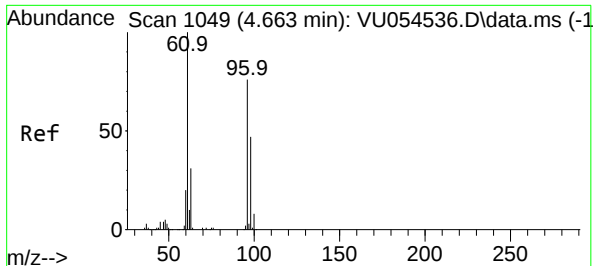
Tgt Ion: 43 Resp: 308968

Ion Ratio Lower Upper

43 100

72 26.8 13.4 40.1





#22

cis-1,2-Dichloroethene

Concen: 4.930 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD005187

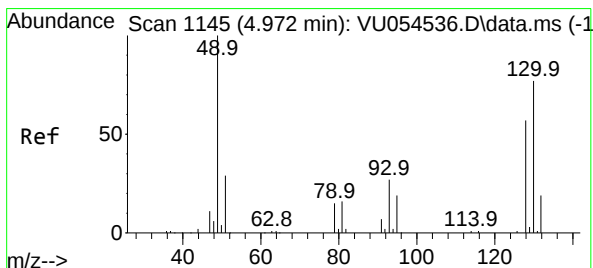
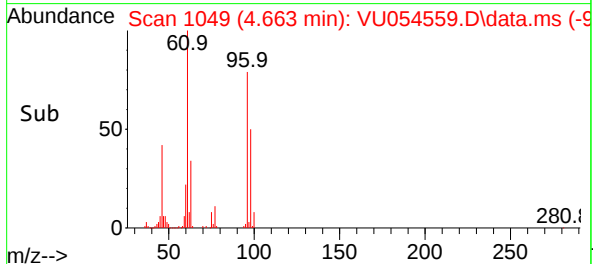
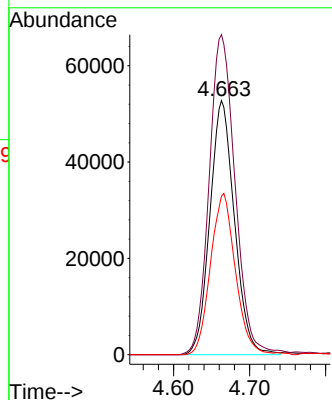
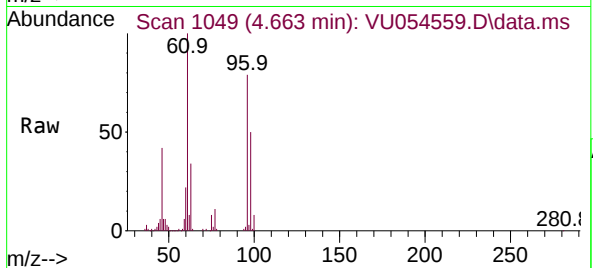
Tgt Ion: 96 Resp: 118493

Ion Ratio Lower Upper

96 100

61 126.0 96.5 179.1

98 62.4 44.9 83.3



#23

Bromochloromethane

Concen: 5.242 ug/L

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

Tgt Ion: 128 Resp: 52436

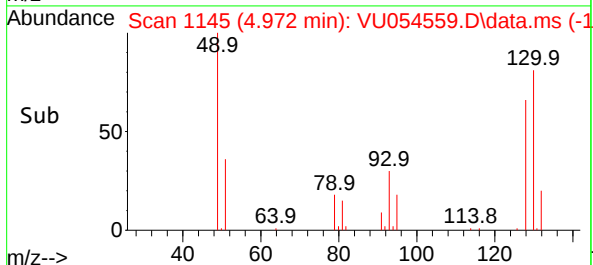
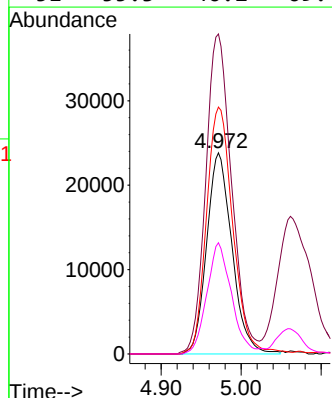
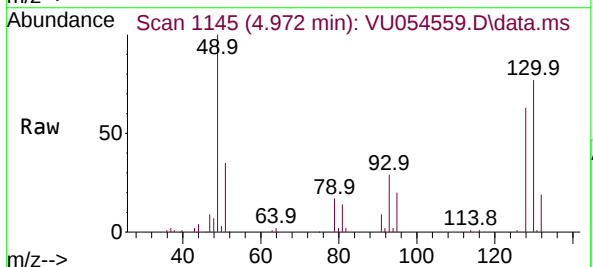
Ion Ratio Lower Upper

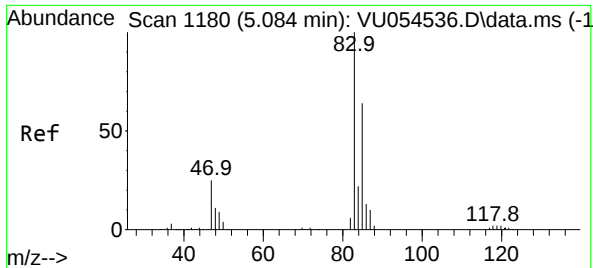
128 100

49 159.1 132.1 245.3

130 122.8 91.5 169.9

51 55.3 46.2 69.4





#25

Chloroform

Concen: 5.059 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

Instrument :

MSVOA_U

ClientSampleId :

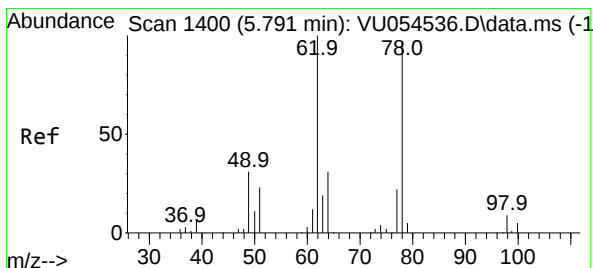
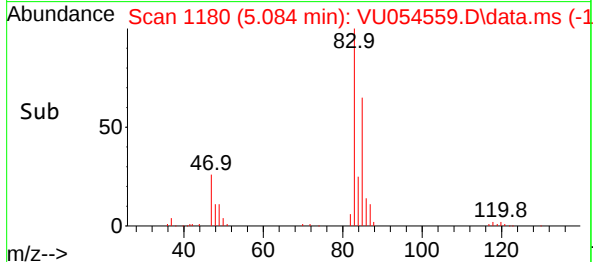
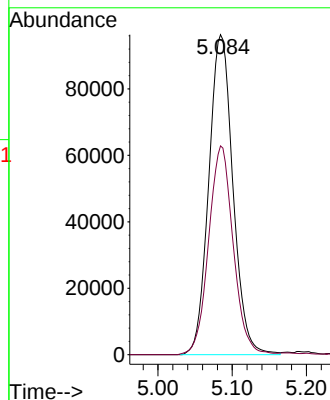
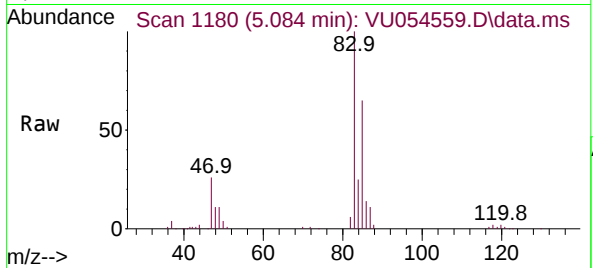
VSTD005187

Tgt Ion: 83 Resp: 217886

Ion Ratio Lower Upper

83 100

85 65.2 44.7 82.9



#27

1,2-Dichloroethane

Concen: 4.966 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VU054559.D

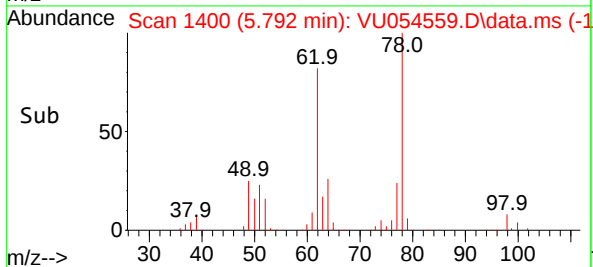
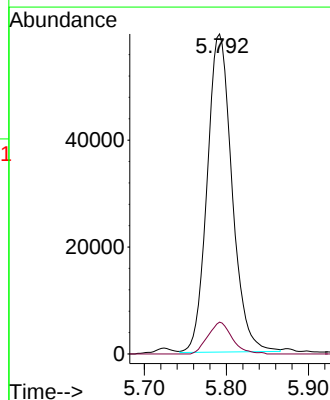
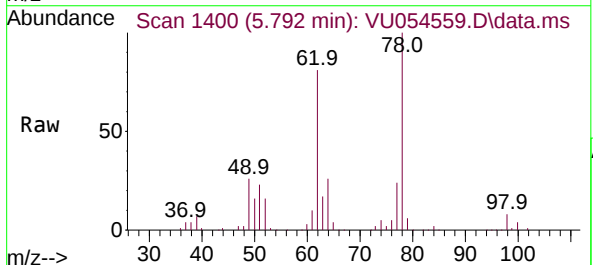
Acq: 16 Jun 2023 08:47

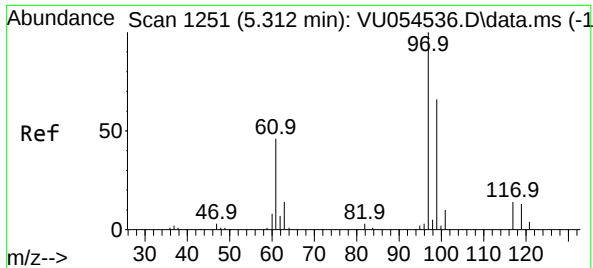
Tgt Ion: 62 Resp: 125369

Ion Ratio Lower Upper

62 100

98 10.0 7.8 11.6

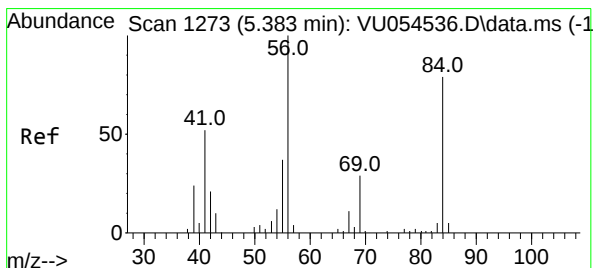
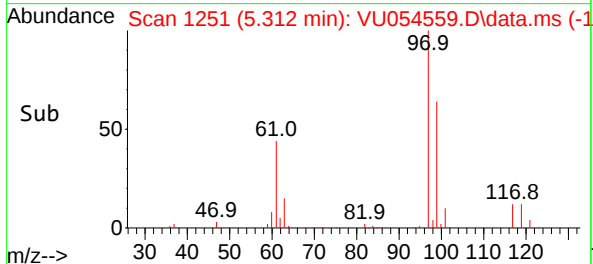
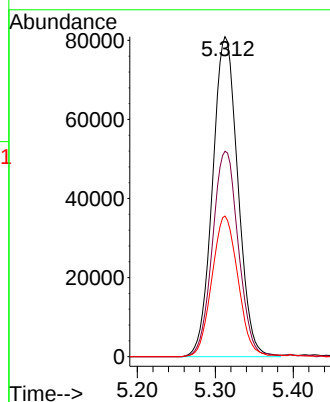
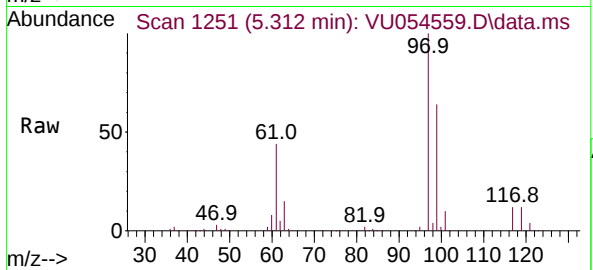




#29
1,1,1-Trichloroethane
Concen: 4.944 ug/L
RT: 5.312 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

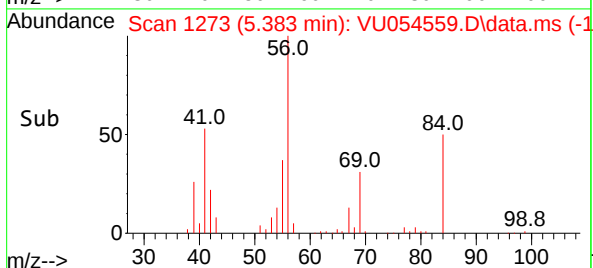
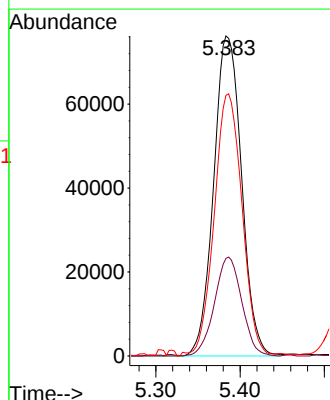
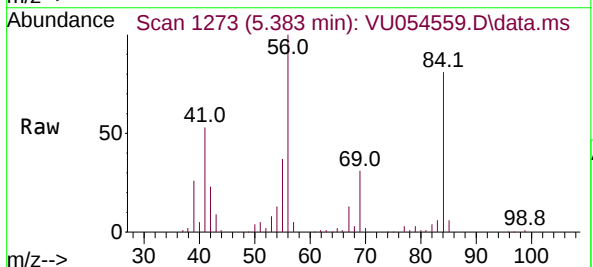
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

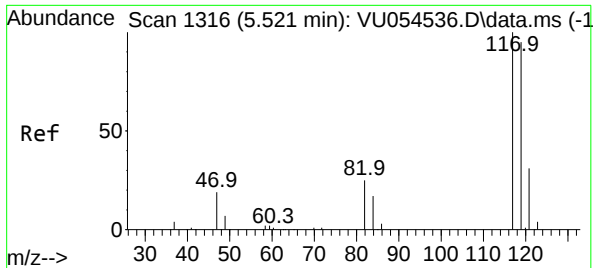
Tgt Ion: 97 Resp: 182859
Ion Ratio Lower Upper
97 100
99 65.8 50.8 76.2
61 45.2 36.1 54.1



#30
Cyclohexane
Concen: 4.347 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

Tgt Ion: 56 Resp: 175133
Ion Ratio Lower Upper
56 100
69 30.2 23.9 35.9
84 81.8 63.0 94.6

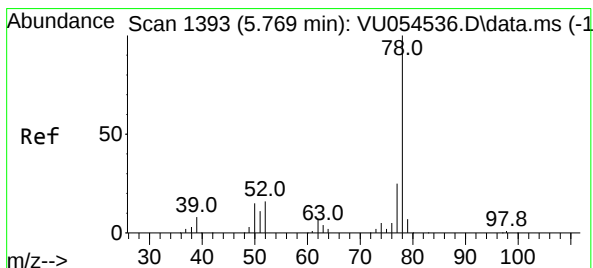
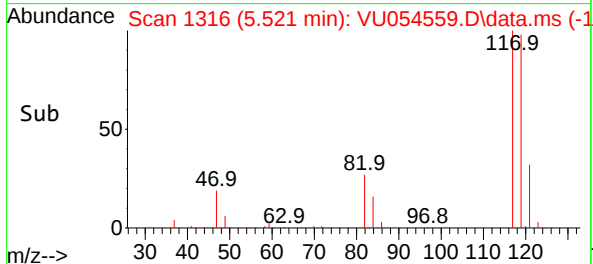
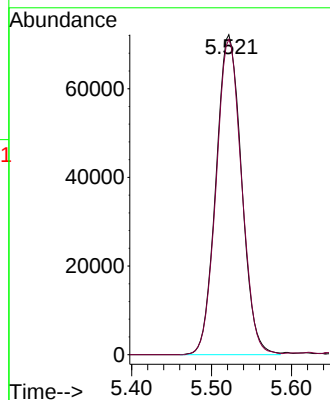
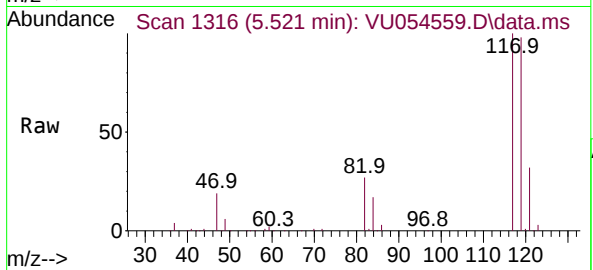




#31
Carbon tetrachloride
Concen: 5.024 ug/L
RT: 5.521 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

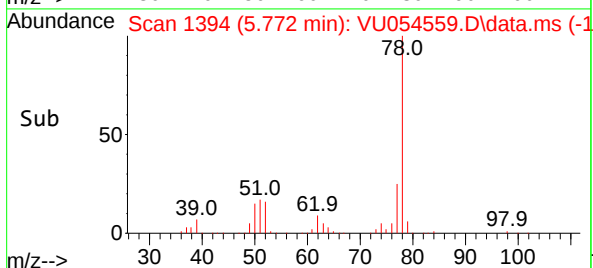
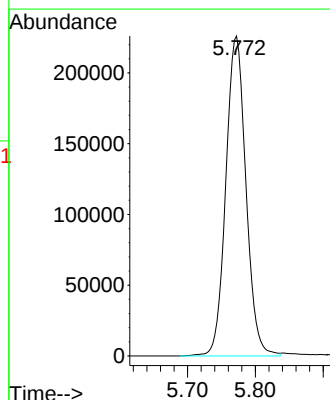
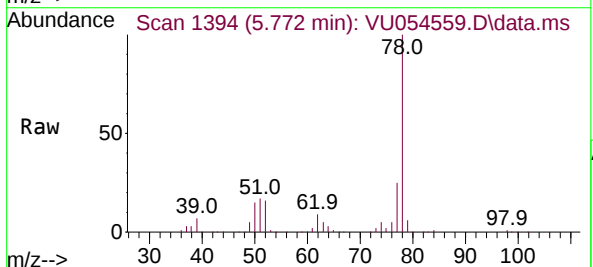
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

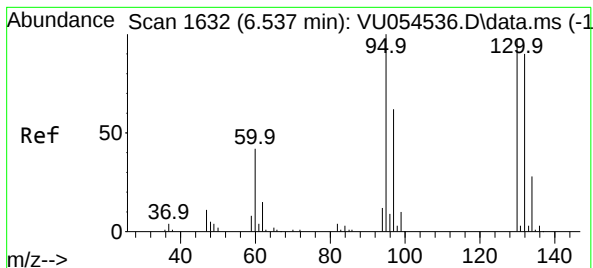
Tgt Ion:117 Resp: 160105
Ion Ratio Lower Upper
117 100
119 98.2 76.8 115.2



#33
Benzene
Concen: 4.758 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

Tgt Ion: 78 Resp: 466421





#34

Trichloroethene

Concen: 4.684 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD005187

Tgt Ion: 95 Resp: 121414

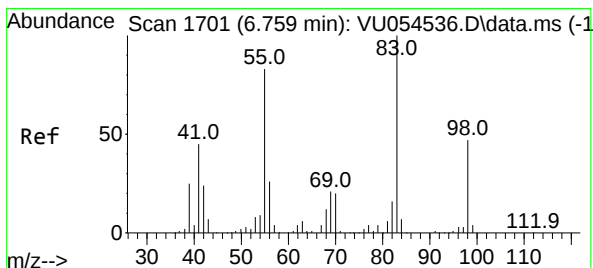
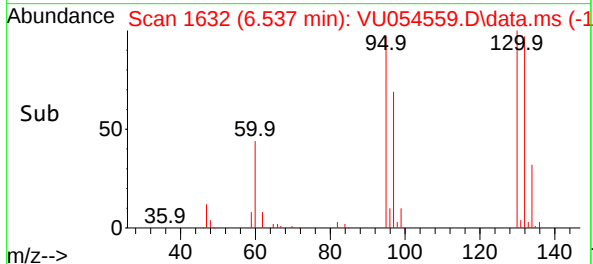
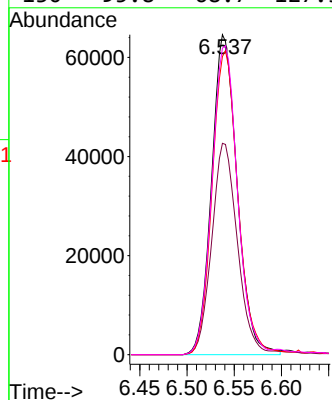
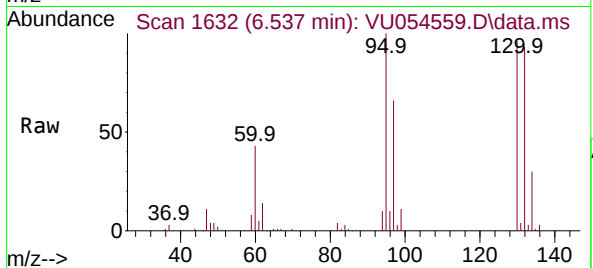
Ion Ratio Lower Upper

95 100

97 66.1 46.8 87.0

132 93.2 68.4 127.0

130 95.8 68.7 127.5



#35

Methylcyclohexane

Concen: 4.556 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

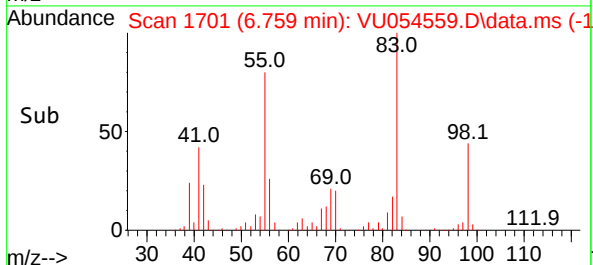
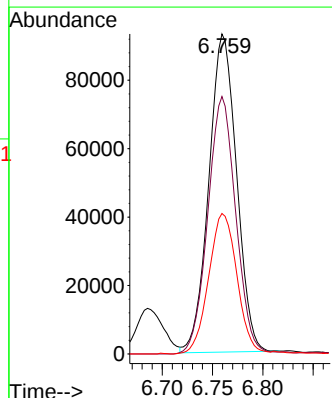
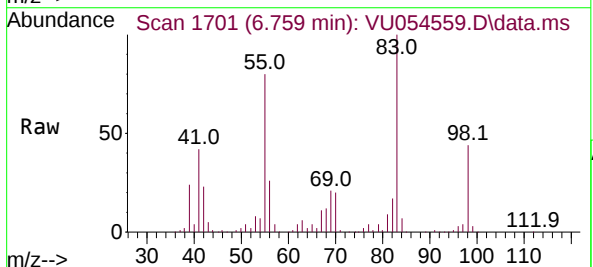
Tgt Ion: 83 Resp: 178499

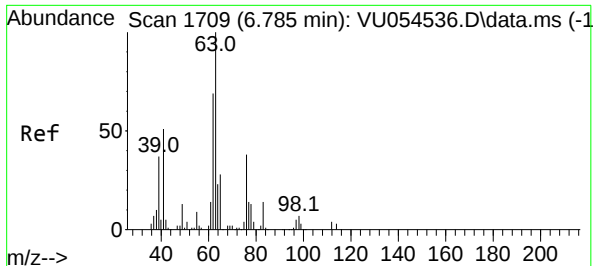
Ion Ratio Lower Upper

83 100

55 82.0 67.1 100.7

98 45.1 35.1 52.7





#37

1,2-Dichloropropane

Concen: 4.677 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

Instrument :

MSVOA_U

ClientSampleId :

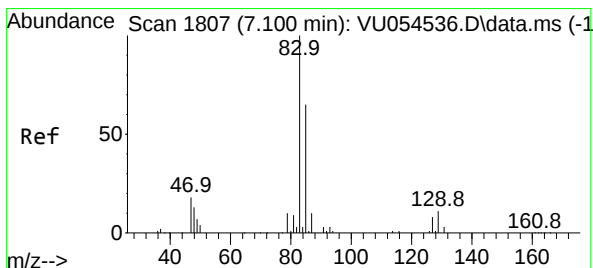
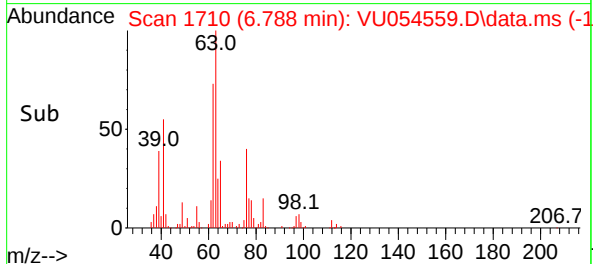
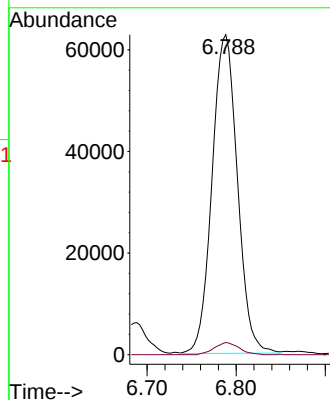
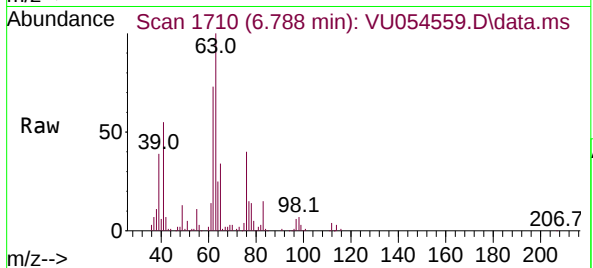
VSTD005187

Tgt Ion: 63 Resp: 123976

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.6



#38

Bromodichloromethane

Concen: 5.081 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

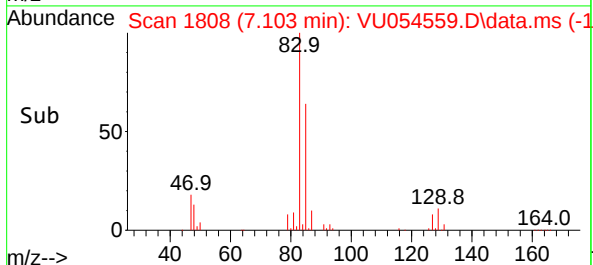
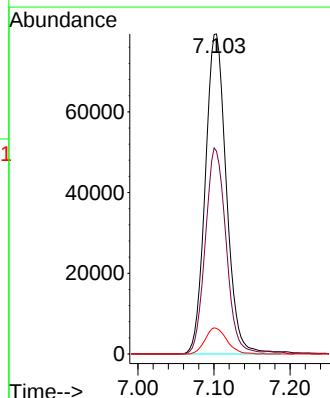
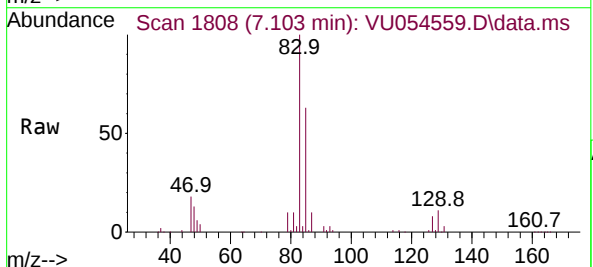
Tgt Ion: 83 Resp: 152435

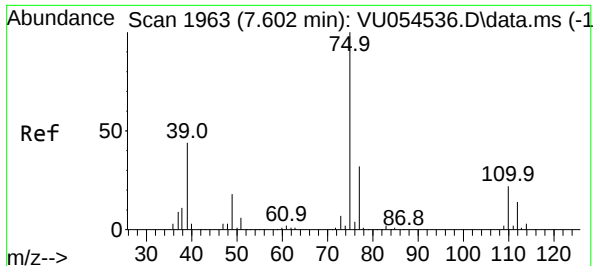
Ion Ratio Lower Upper

83 100

85 63.4 44.1 81.9

127 8.0 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.790 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

Instrument :

MSVOA_U

ClientSampleId :

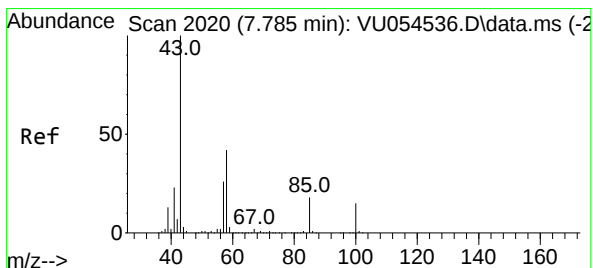
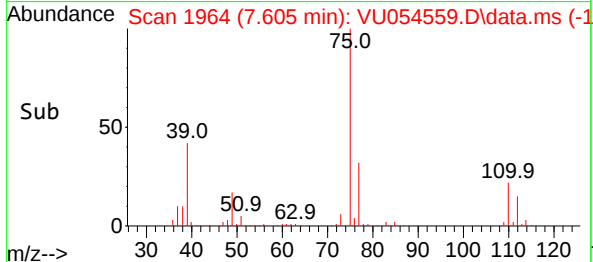
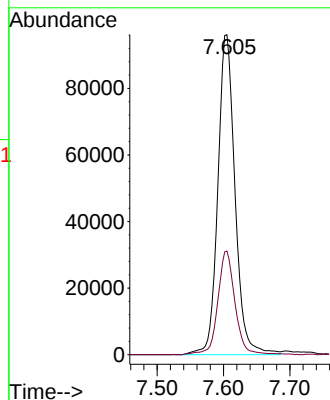
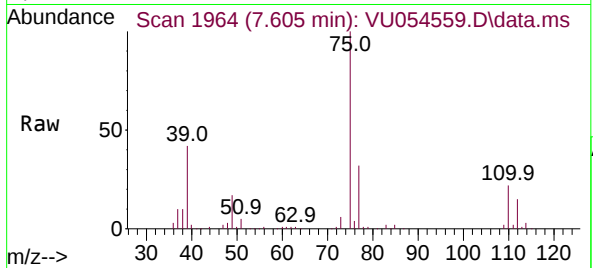
VSTD005187

Tgt Ion: 75 Resp: 173345

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 46.187 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

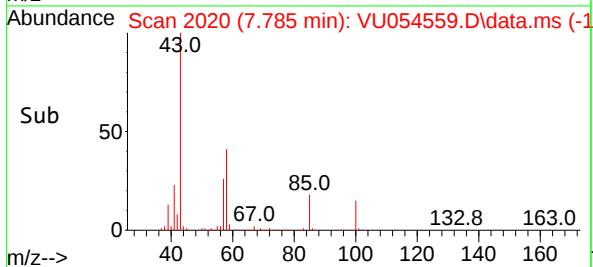
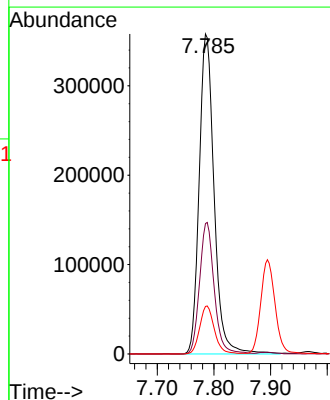
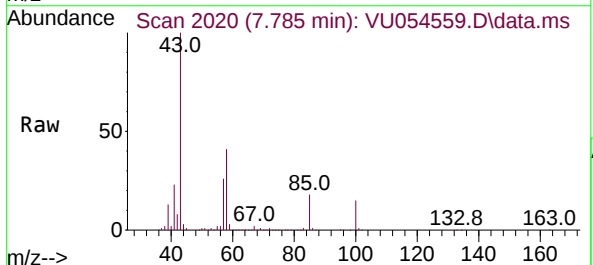
Tgt Ion: 43 Resp: 653298

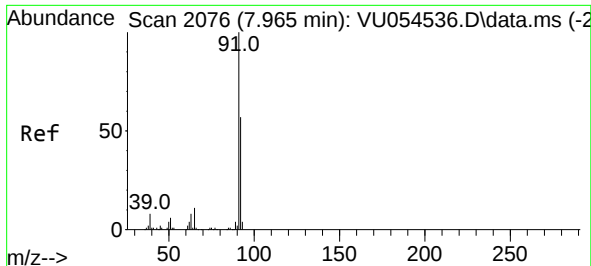
Ion Ratio Lower Upper

43 100

58 40.3 32.4 48.6

100 14.8 11.4 17.2





#42

Toluene

Concen: 4.974 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

Instrument :

MSVOA_U

ClientSampleId :

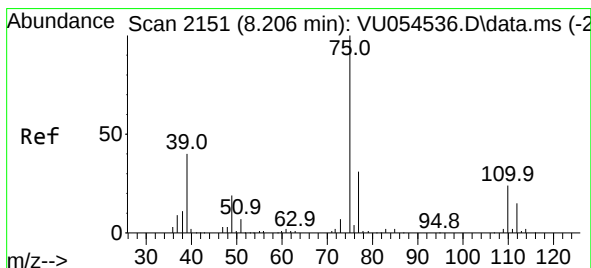
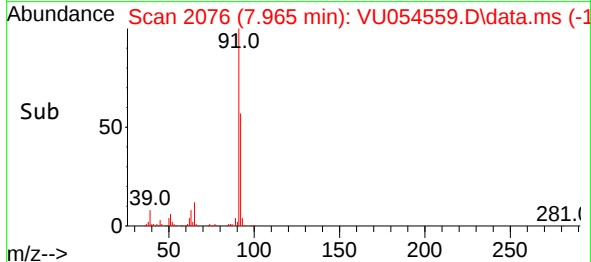
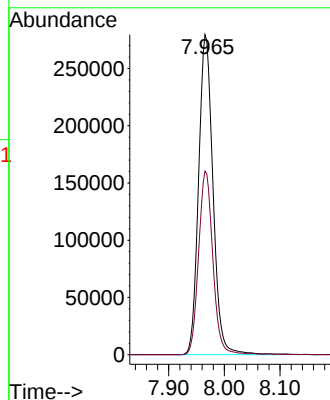
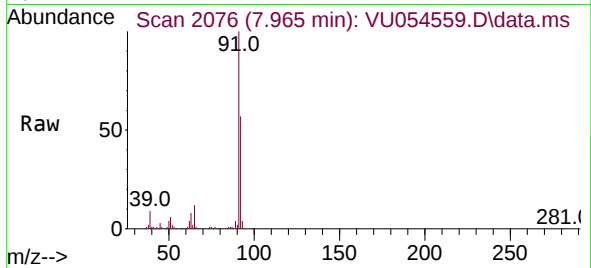
VSTD005187

Tgt Ion: 91 Resp: 502140

Ion Ratio Lower Upper

91 100

92 57.3 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 4.880 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054559.D

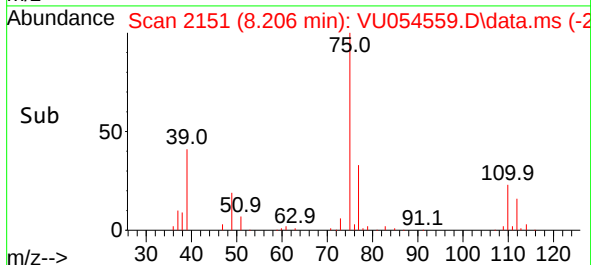
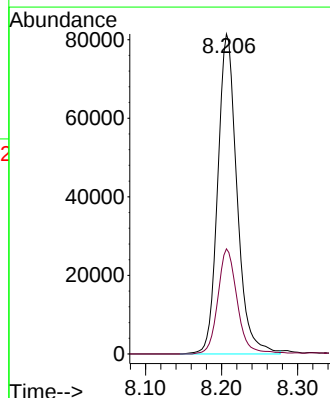
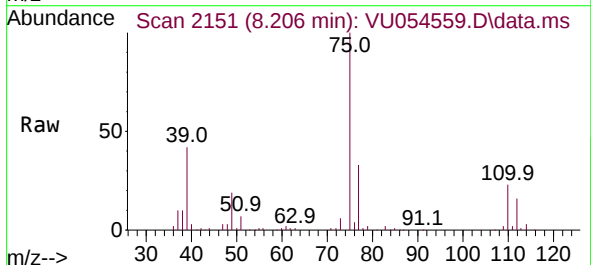
Acq: 16 Jun 2023 08:47

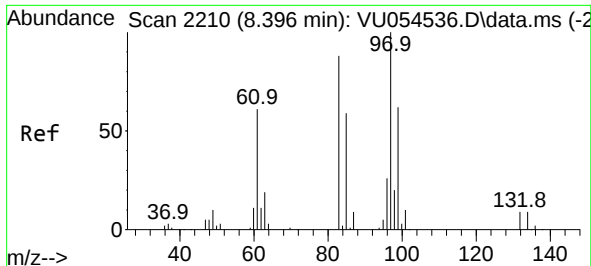
Tgt Ion: 75 Resp: 143321

Ion Ratio Lower Upper

75 100

77 32.8 21.3 39.6

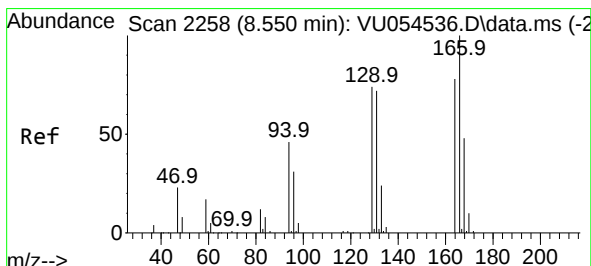
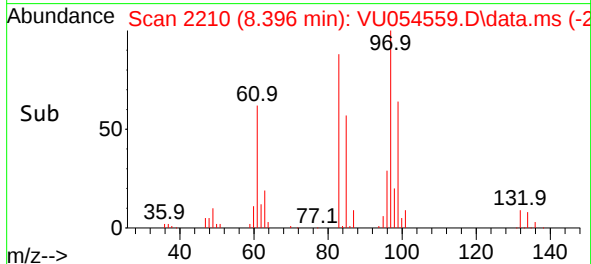
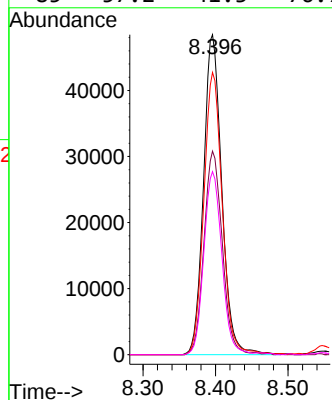
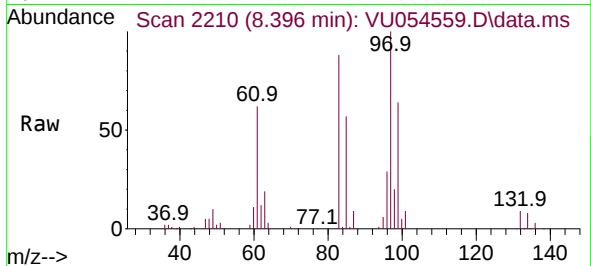




#45
1,1,2-Trichloroethane
Concen: 5.021 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

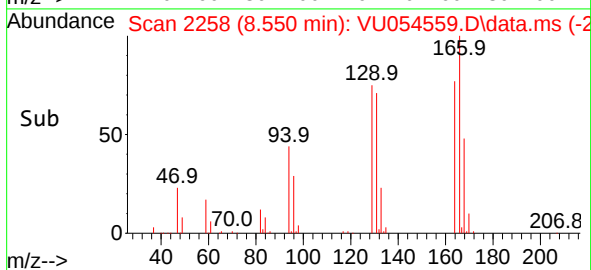
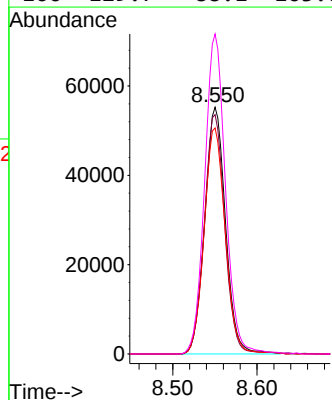
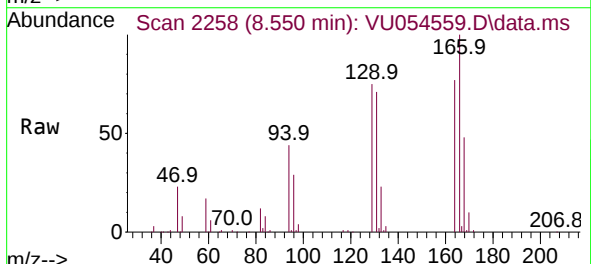
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

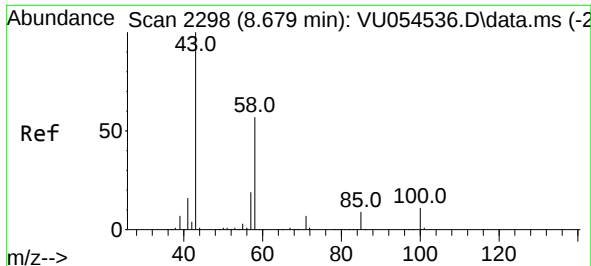
Tgt Ion:	97	Resp:	84671
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.0	80.0
83	88.2	63.8	118.6
85	57.2	41.3	76.7



#47
Tetrachloroethene
Concen: 4.779 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

Tgt Ion:	164	Resp:	94828
Ion	Ratio	Lower	Upper
164	100		
129	97.0	67.7	125.7
131	91.7	64.6	120.0
166	129.7	88.1	163.7



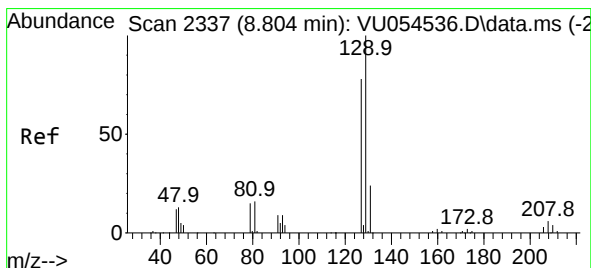
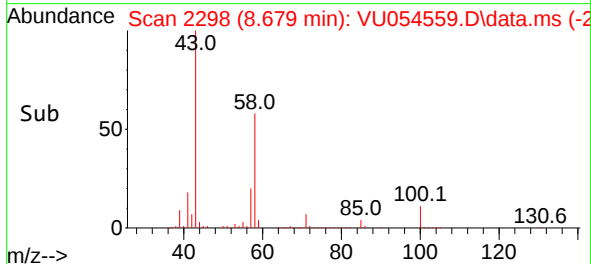
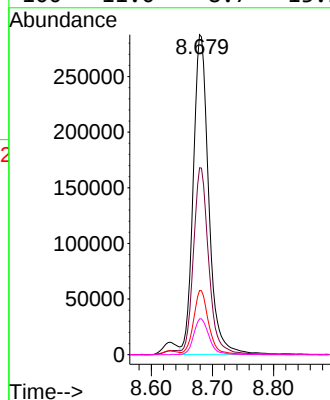
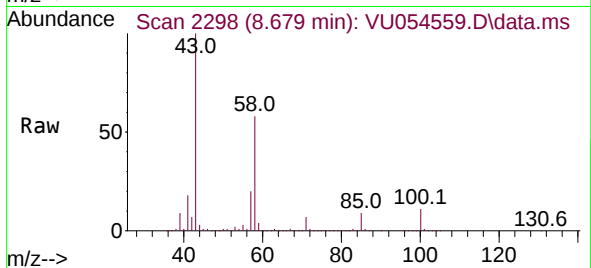


#48
2-Hexanone
Concen: 47.804 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. -0.003 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

Tgt Ion: 43 Resp: 503824

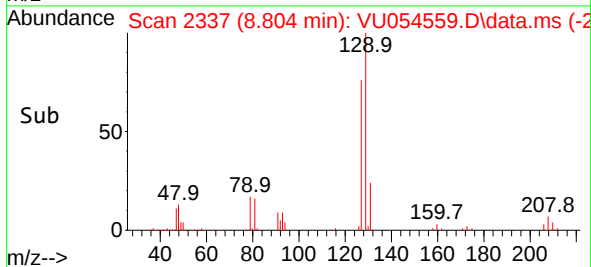
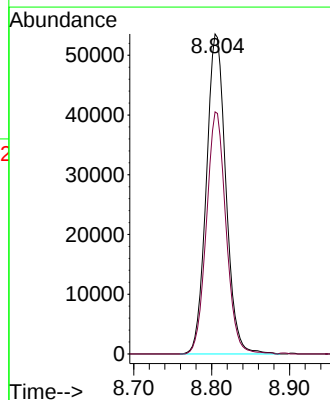
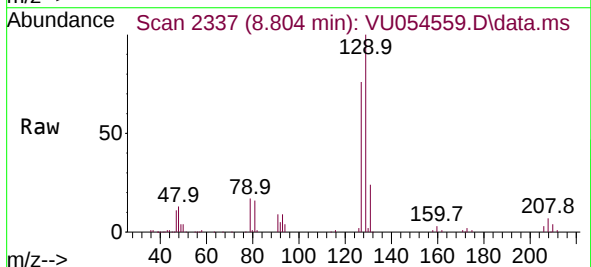
Ion	Ratio	Lower	Upper
43	100		
58	57.8	45.2	67.8
57	19.7	15.8	23.6
100	11.0	8.7	13.1

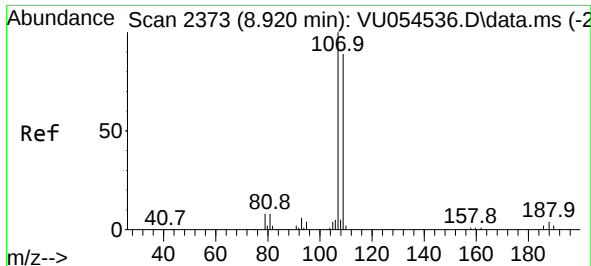


#49
Dibromochloromethane
Concen: 5.260 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

Tgt Ion: 129 Resp: 93126

Ion	Ratio	Lower	Upper
129	100		
127	75.7	53.2	98.8

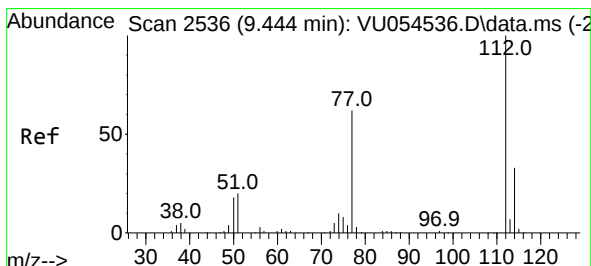
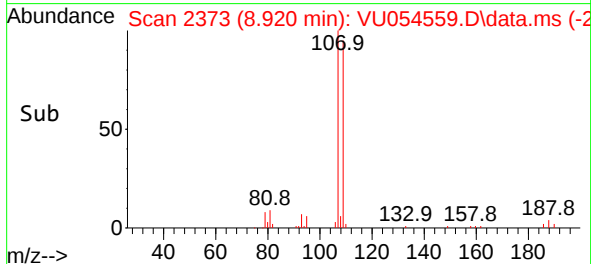
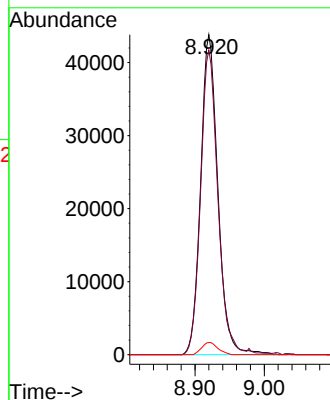
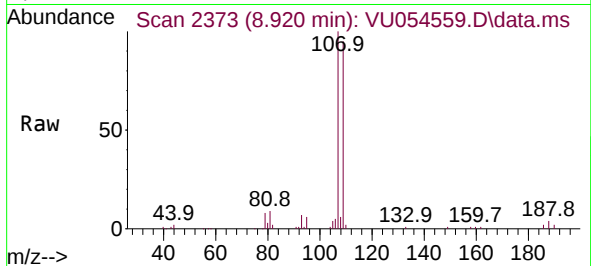




#50
1,2-Dibromoethane
Concen: 4.912 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

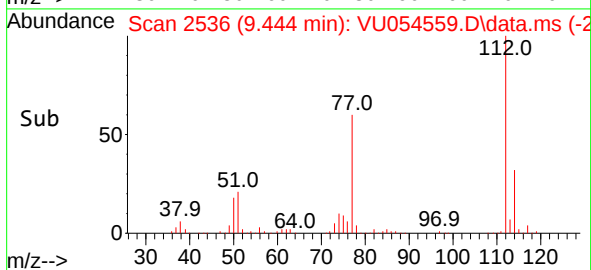
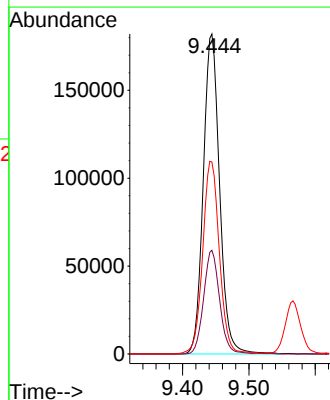
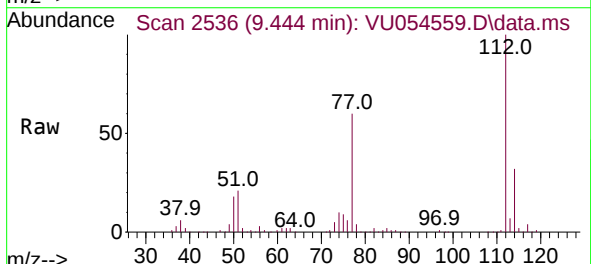
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

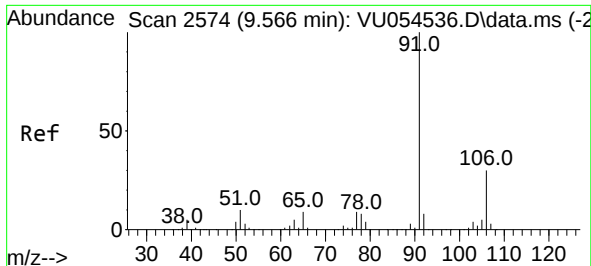
Tgt Ion:	107	Resp:	76044
Ion	Ratio	Lower	Upper
107	100		
109	95.2	66.6	123.6
188	3.8	3.1	4.7



#51
Chlorobenzene
Concen: 4.939 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

Tgt Ion:	112	Resp:	310788
Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.1
77	60.0	49.8	74.8

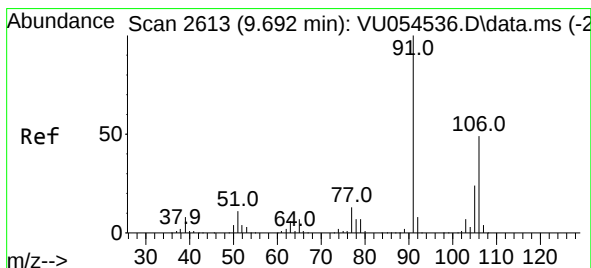
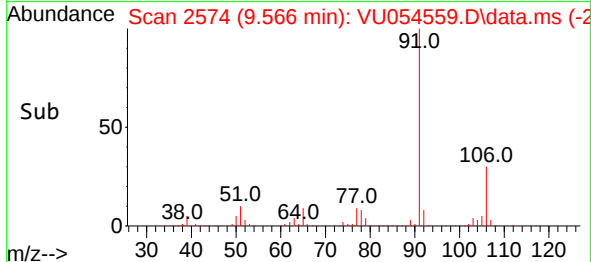
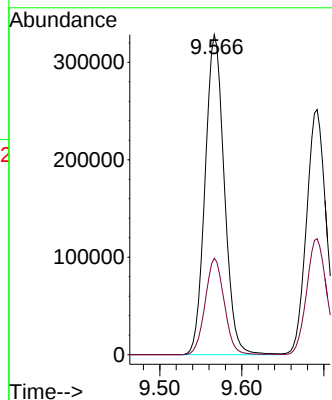
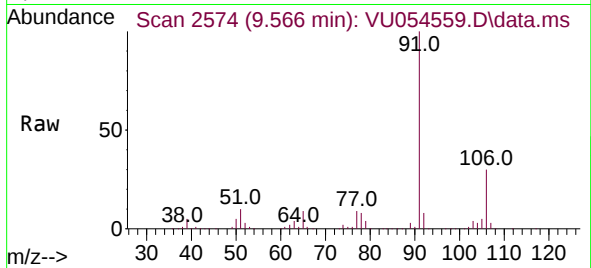




#52
Ethylbenzene
Concen: 4.838 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

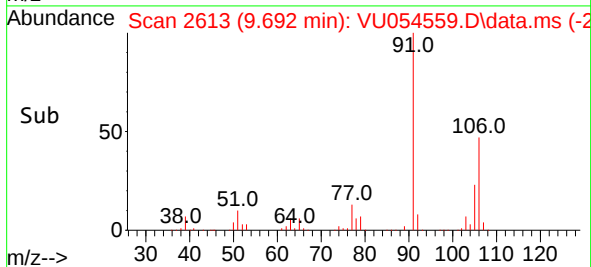
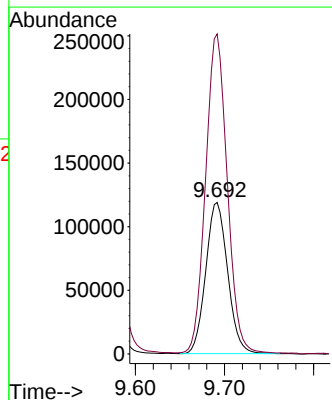
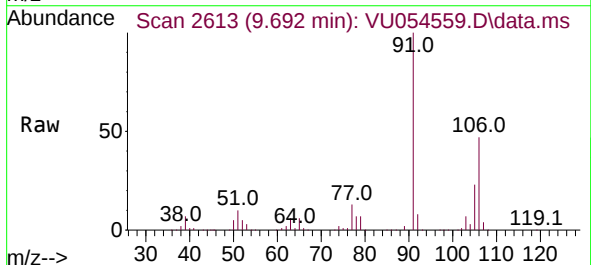
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

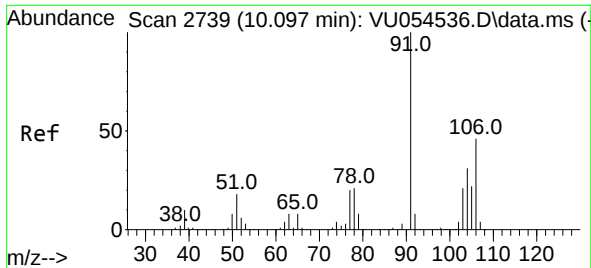
Tgt Ion: 91 Resp: 533361
Ion Ratio Lower Upper
91 100
106 30.1 21.1 39.3



#53
m,p-Xylene
Concen: 5.009 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

Tgt Ion: 106 Resp: 202887
Ion Ratio Lower Upper
106 100
91 211.1 147.0 273.0

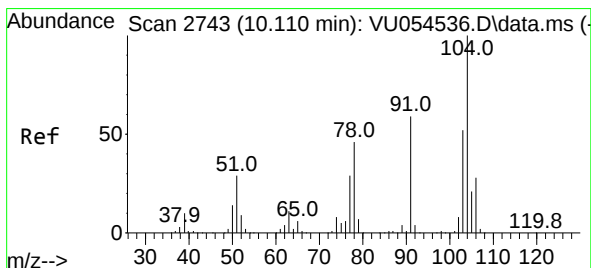
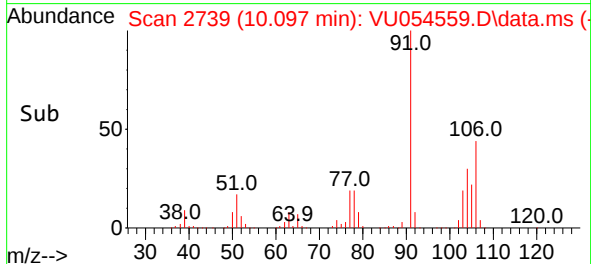
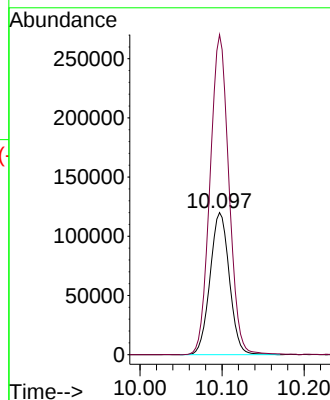
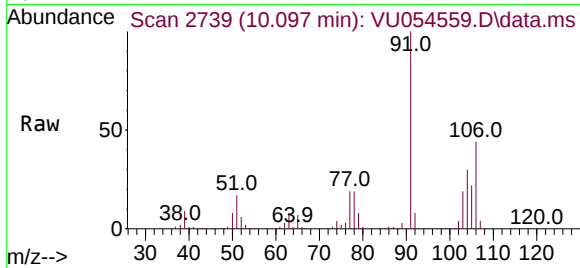




#54
o-Xylene
Concen: 5.025 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

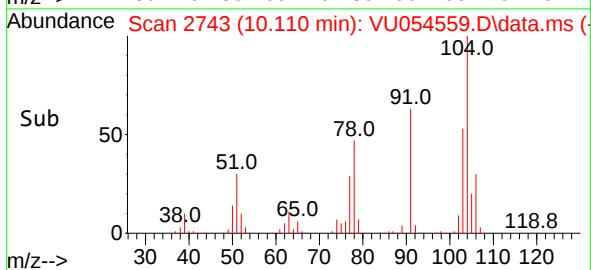
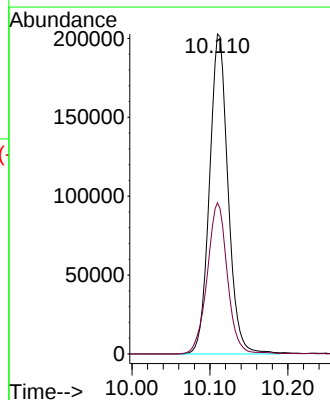
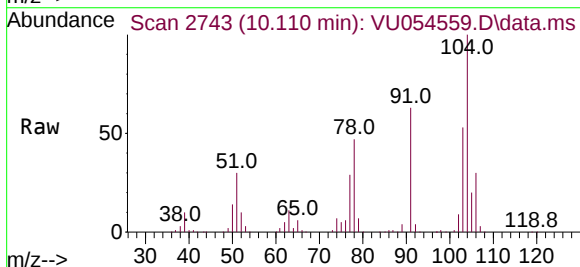
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

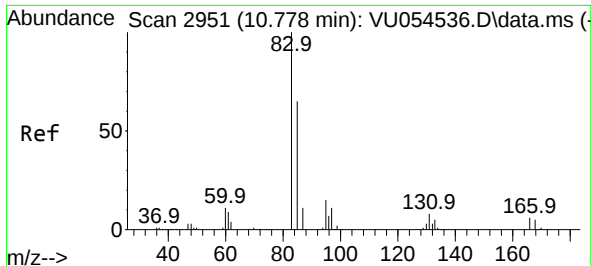
Tgt Ion:106 Resp: 196828
Ion Ratio Lower Upper
106 100
91 225.2 154.5 286.9



#55
Styrene
Concen: 5.102 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

Tgt Ion:104 Resp: 335401
Ion Ratio Lower Upper
104 100
78 47.3 33.0 61.4

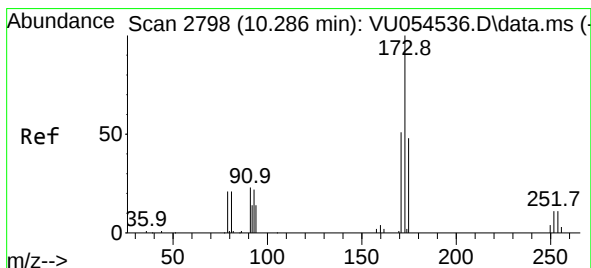
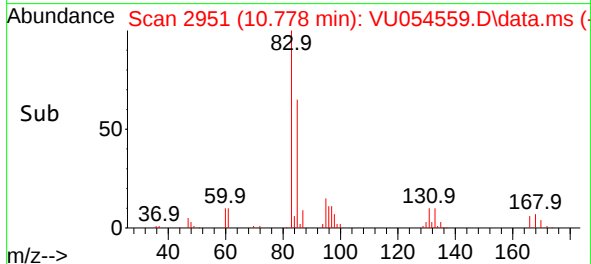
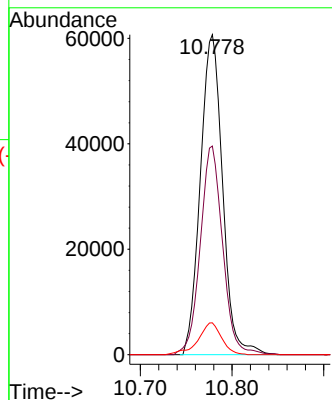
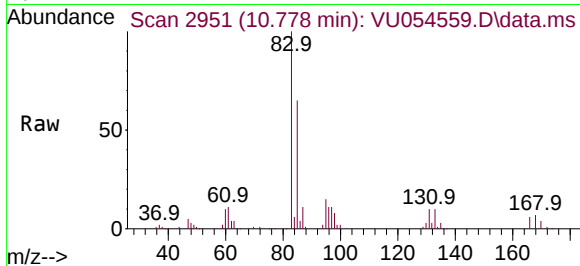




#57
1,1,2,2-Tetrachloroethane
Concen: 4.773 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

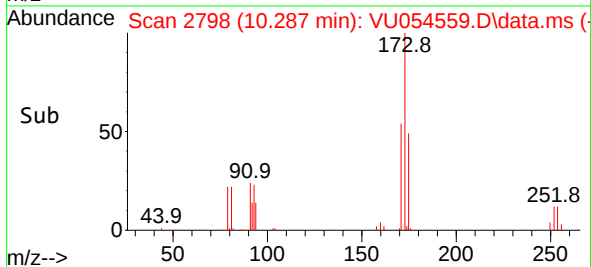
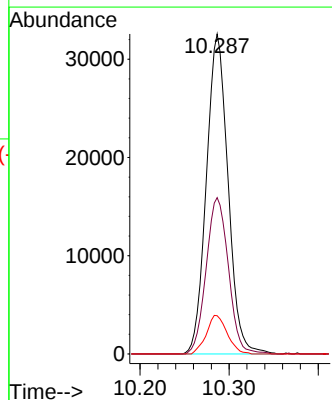
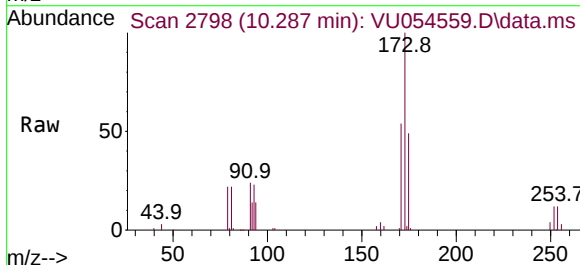
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

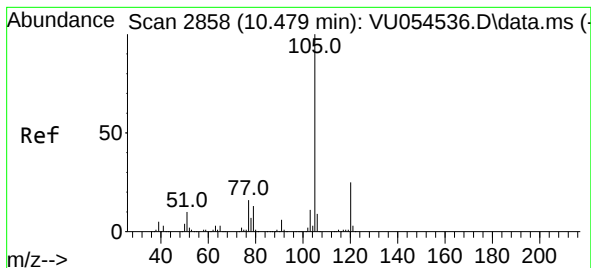
Tgt Ion: 83 Resp: 102220
Ion Ratio Lower Upper
83 100
85 65.2 44.2 82.2
131 10.0 7.0 10.6



#59
Bromoform
Concen: 5.255 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

Tgt Ion:173 Resp: 54939
Ion Ratio Lower Upper
173 100
175 50.2 39.4 59.0
254 11.6 8.6 12.8





#60

Isopropylbenzene

Concen: 5.043 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD005187

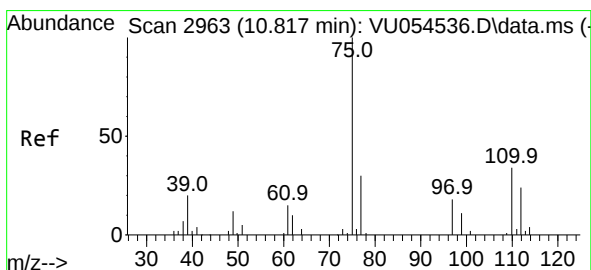
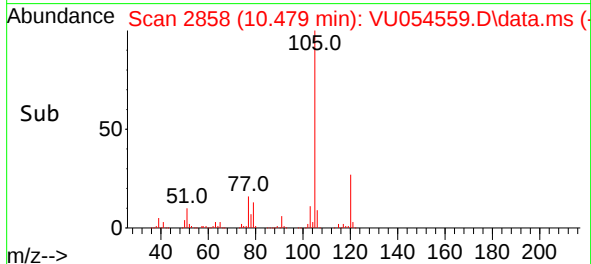
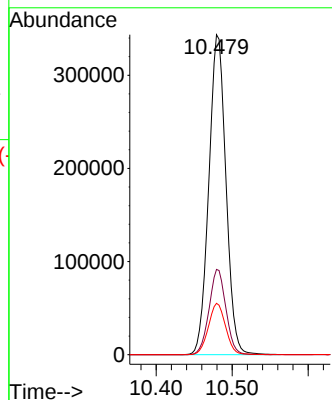
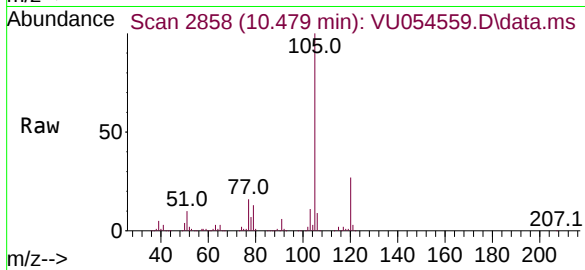
Tgt Ion:105 Resp: 537172

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

77 16.1 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 4.703 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

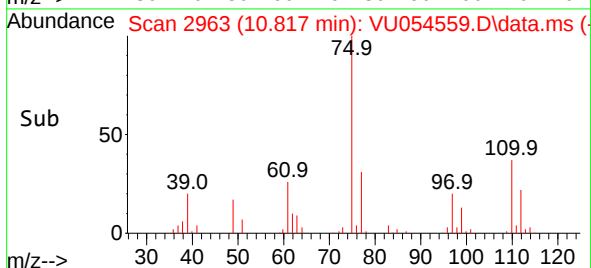
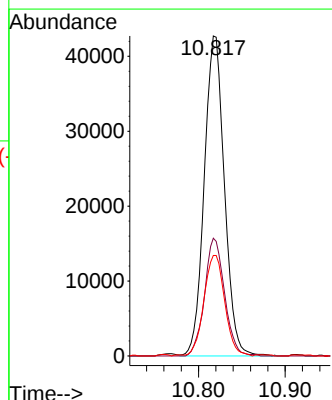
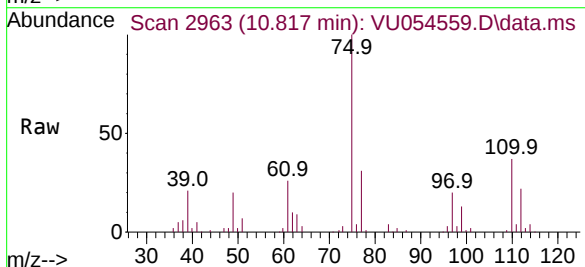
Tgt Ion: 75 Resp: 69212

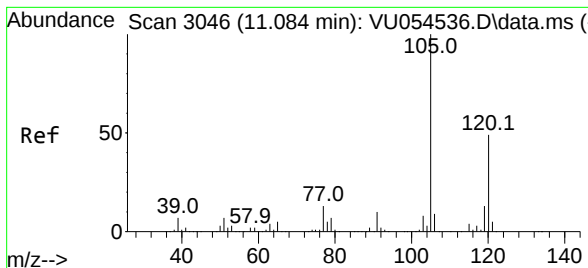
Ion Ratio Lower Upper

75 100

110 36.4 28.0 42.0

77 32.4 25.4 38.2

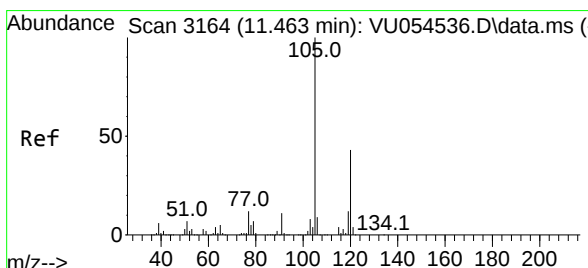
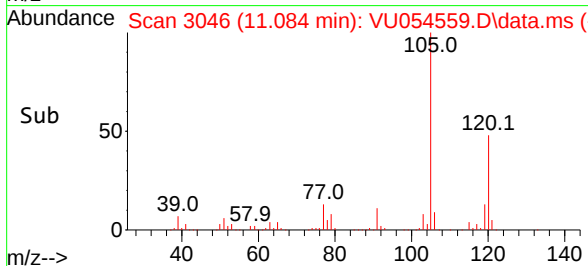
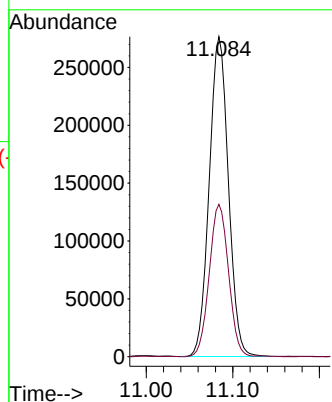
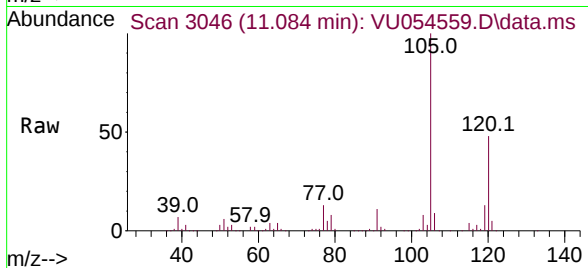




#62
1,3,5-Trimethylbenzene
Concen: 4.887 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

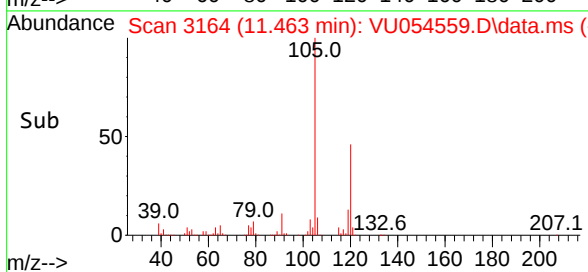
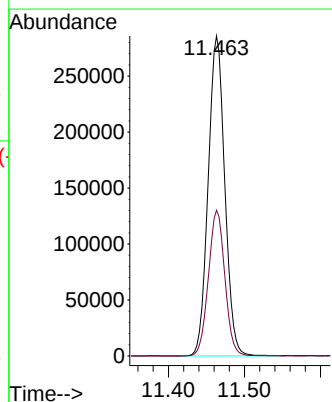
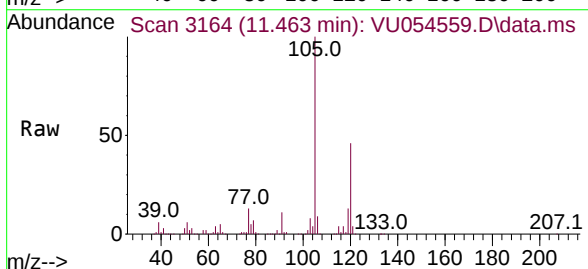
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

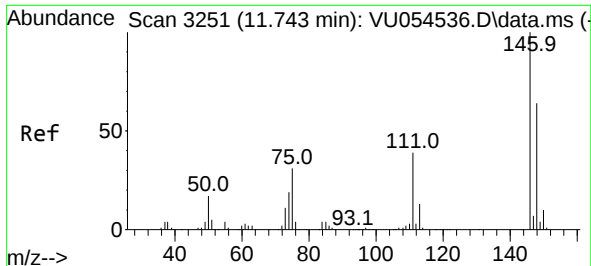
Tgt Ion:105 Resp: 424720
Ion Ratio Lower Upper
105 100
120 48.0 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 4.910 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

Tgt Ion:105 Resp: 433377
Ion Ratio Lower Upper
105 100
120 45.2 35.4 53.0

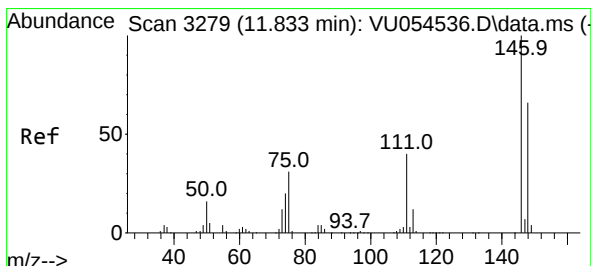
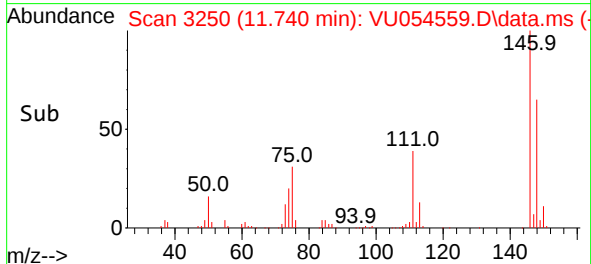
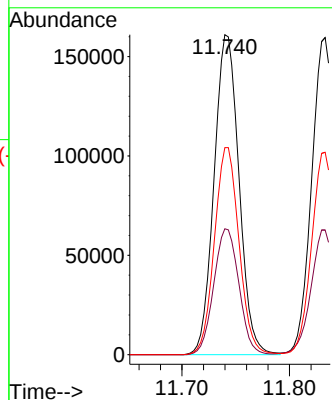
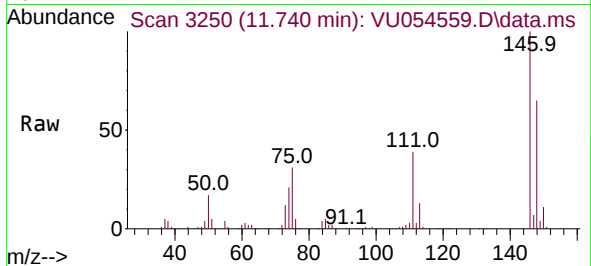




#64
1,3-Dichlorobenzene
Concen: 5.208 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

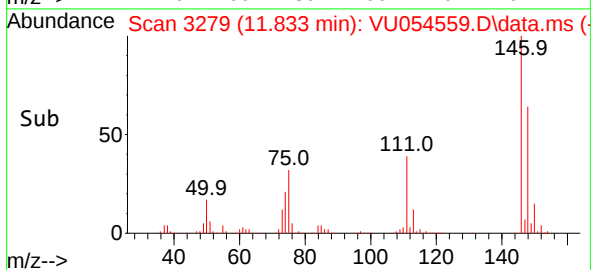
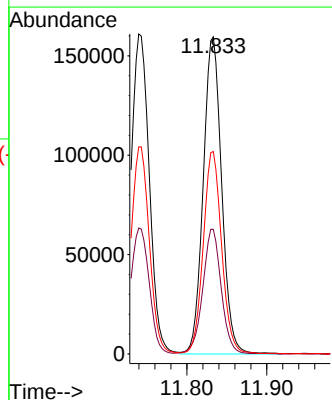
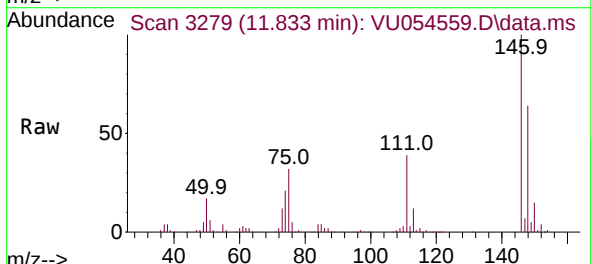
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

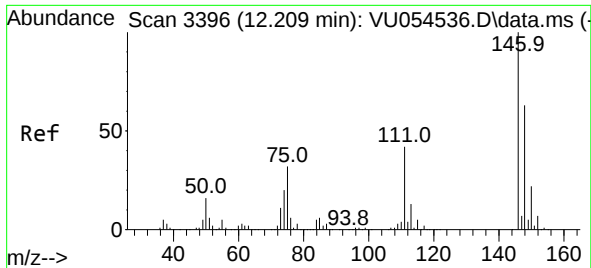
Tgt Ion:146 Resp: 259328
Ion Ratio Lower Upper
146 100
111 39.4 28.9 53.7
148 64.7 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 5.131 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

Tgt Ion:146 Resp: 256423
Ion Ratio Lower Upper
146 100
111 39.3 28.0 52.0
148 63.8 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.070 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.003 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD005187

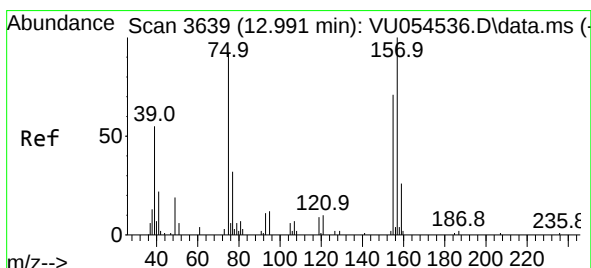
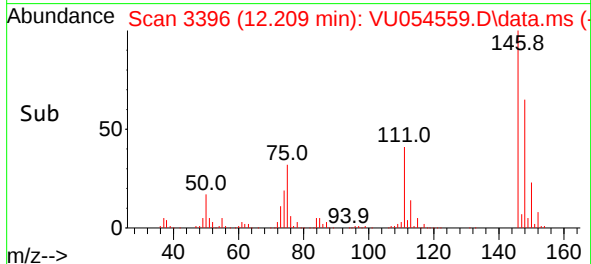
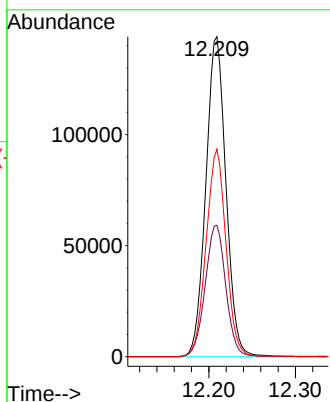
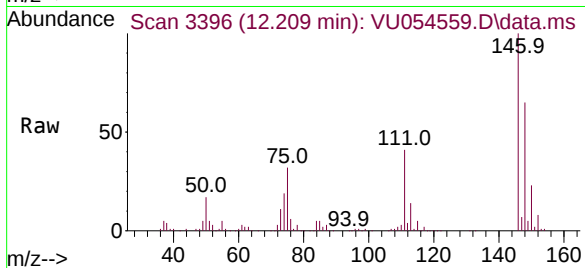
Tgt Ion:146 Resp: 232183

Ion Ratio Lower Upper

146 100

111 41.0 34.5 51.7

148 64.9 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 4.716 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU054559.D

Acq: 16 Jun 2023 08:47

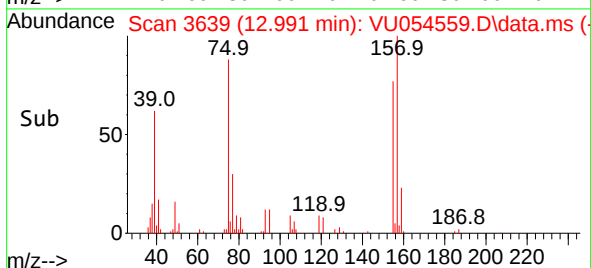
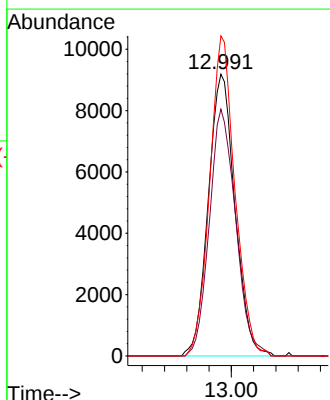
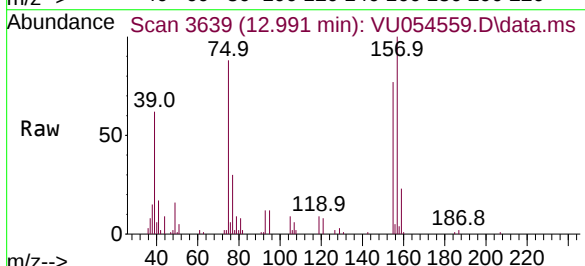
Tgt Ion: 75 Resp: 15252

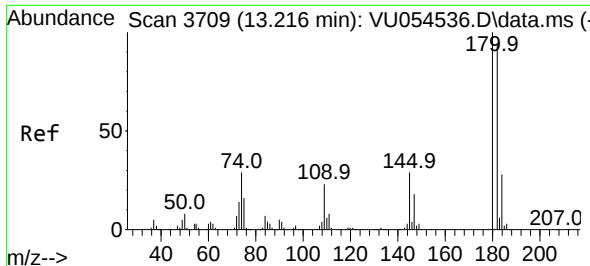
Ion Ratio Lower Upper

75 100

155 87.6 65.7 98.5

157 113.6 84.2 126.2

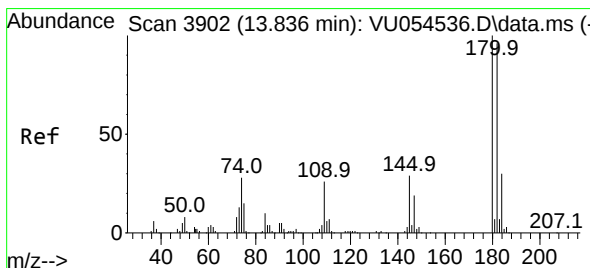
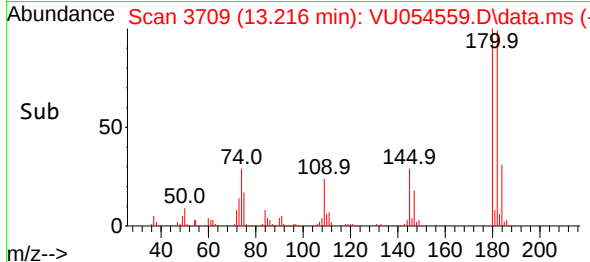
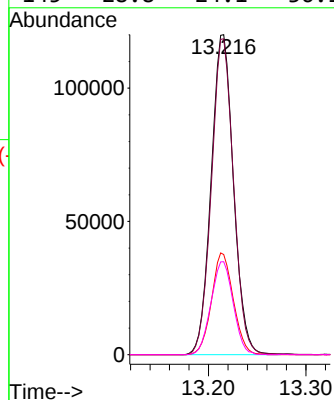
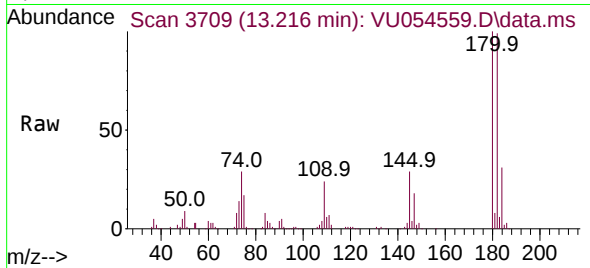




#69
1,3,5-Trichlorobenzene
Concen: 5.093 ug/L
RT: 13.216 min Scan# 3709
Delta R.T. 0.003 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

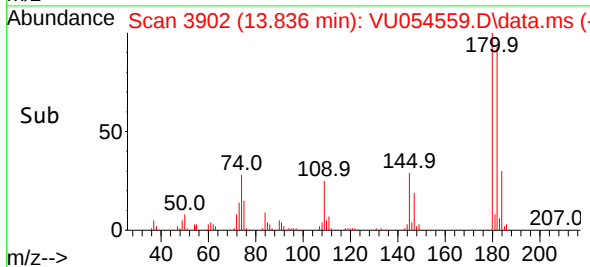
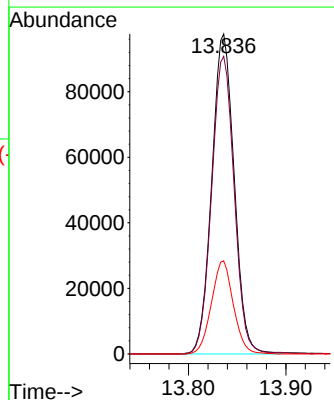
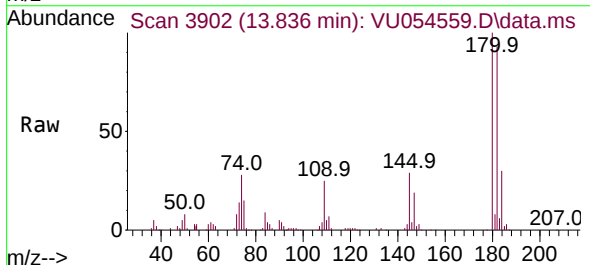
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

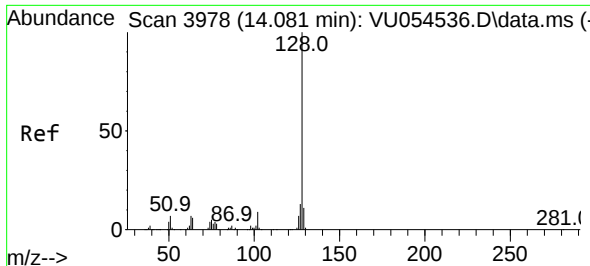
Tgt Ion:	180	Resp:	191336
Ion Ratio	Lower	Upper	
180	100		
182	97.7	75.0	112.6
184	31.0	24.1	36.1
145	28.8	24.1	36.1



#70
1,2,4-trichlorobenzene
Concen: 5.014 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

Tgt Ion:	180	Resp:	155757
Ion Ratio	Lower	Upper	
180	100		
182	93.8	76.6	114.8
145	28.5	24.0	36.0

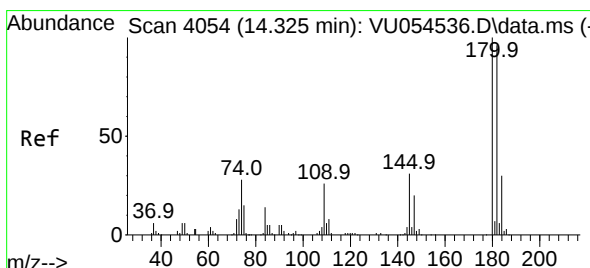
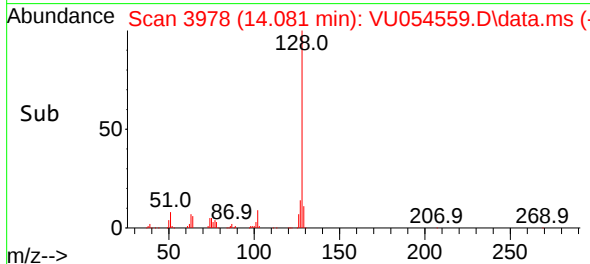
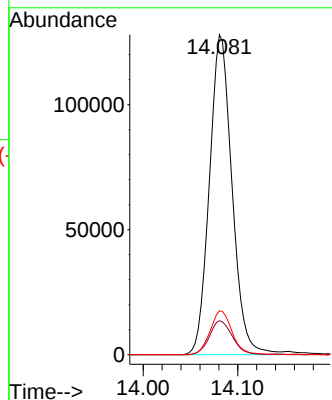
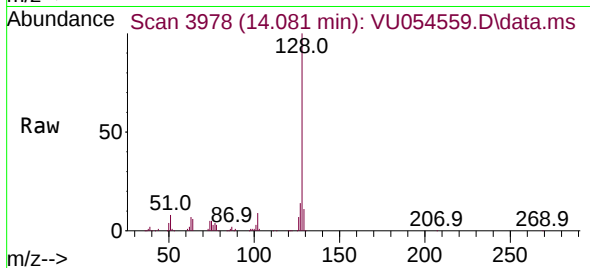




#71
Naphthalene
Concen: 4.211 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

Tgt Ion:128 Resp: 212740
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 13.3 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 4.925 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU054559.D
Acq: 16 Jun 2023 08:47

Tgt Ion:180 Resp: 131439
Ion Ratio Lower Upper
180 100
182 95.7 75.4 113.2
145 30.5 26.0 39.0

