

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
 Data File : VU052599.D
 Acq On : 28 Dec 2022 19:50
 Operator : JC/MD
 Sample : N6216-02MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AA1MS

Quant Time: Dec 29 00:29:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 29 00:24:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	160862	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	159238	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	83835	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	46755	2.869	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.400%
7) Chloroethane-d5	1.916	69	50934	3.624	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.400%
11) 1,1-Dichloroethene-d2	2.568	65	23395	3.336	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.800%
20) 2-Butanone-d5	4.642	46	325227	64.353	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.700%
24) Chloroform-d	5.060	84	126729	4.609	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
26) 1,2-Dichloroethane-d4	5.697	65	75102	4.709	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
32) Benzene-d6	5.726	84	230578	4.223	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
36) 1,2-Dichloropropane-d6	6.687	67	86200	4.587	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.800%
41) Toluene-d8	7.893	98	195680	4.270	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
43) trans-1,3-Dichloroprop...	8.176	79	30938	4.808	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.632	63	234437	66.587	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	133.180%#
56) 1,1,2,2-Tetrachloroeth...	10.751	84	89518	5.610	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	77739	4.555	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	68304	4.772	ug/L	99
3) Chloromethane	1.523	50	107761	5.216	ug/L	100
5) Vinyl chloride	1.607	62	90310	4.822	ug/L	94
6) Bromomethane	1.861	94	38122	3.571	ug/L	97
8) Chloroethane	1.935	64	58661	4.573	ug/L	97
9) Trichlorofluoromethane	2.141	101	103745	4.899	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	61531	4.888	ug/L	99
12) 1,1-Dichloroethene	2.581	96	59060	4.902	ug/L	91
13) Acetone	2.665	43	182922	49.099	ug/L	96
14) Carbon disulfide	2.793	76	184940	4.764	ug/L	99
15) Methyl Acetate	2.957	43	45837	5.585	ug/L	99
16) Methylene chloride	3.044	84	76978	4.523	ug/L	98
17) Methyl tert-butyl Ether	3.363	73	170994	5.317	ug/L	100
18) trans-1,2-Dichloroethene	3.353	96	63503	5.115	ug/L	99
19) 1,1-Dichloroethane	3.867	63	141456	5.239	ug/L	99
21) 2-Butanone	4.723	43	310898	56.662	ug/L	96
22) cis-1,2-Dichloroethene	4.665	96	70882	5.202	ug/L	97
23) Bromochloromethane	4.970	128	33737	5.343	ug/L	99
25) Chloroform	5.083	83	137118	5.241	ug/L	98

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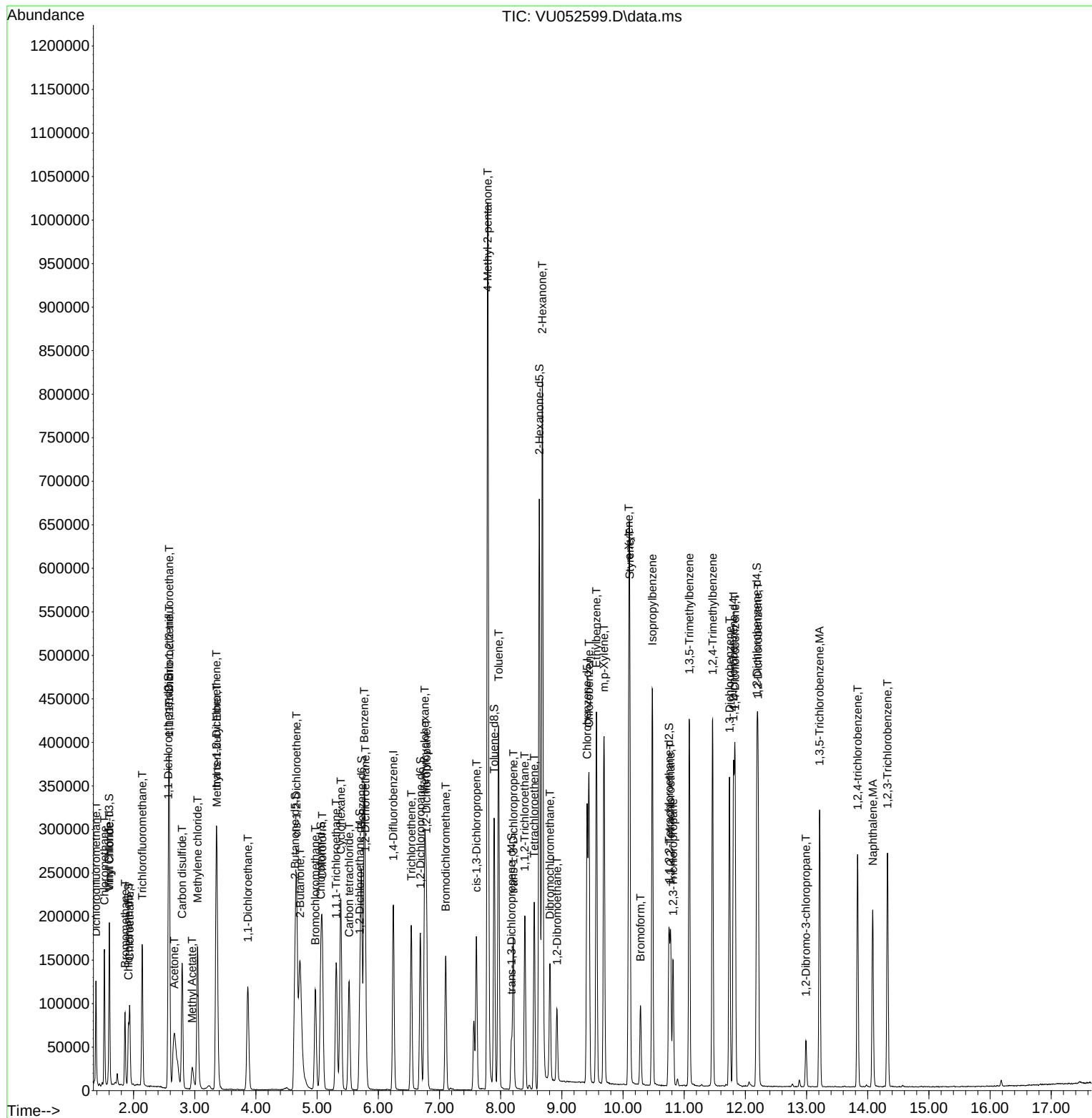
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	94154	5.209	ug/L	100
29) 1,1,1-Trichloroethane	5.311	97	104019	5.190	ug/L	99
30) Cyclohexane	5.385	56	106437	4.914	ug/L	99
31) Carbon tetrachloride	5.523	117	85167	4.836	ug/L	99
33) Benzene	5.771	78	291417	5.081	ug/L	100
34) Trichloroethene	6.539	95	65086	4.854	ug/L	97
35) Methylcyclohexane	6.758	83	97845	4.839	ug/L	98
37) 1,2-Dichloropropane	6.787	63	84728	5.294	ug/L	100
38) Bromodichloromethane	7.102	83	100340	5.151	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	103874	5.124	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	705590	60.329	ug/L	99
42) Toluene	7.967	91	292106	5.312	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	97438	5.455	ug/L	97
45) 1,1,2-Trichloroethane	8.394	97	58407	5.153	ug/L	98
47) Tetrachloroethene	8.549	164	46006	4.915	ug/L	98
48) 2-Hexanone	8.681	43	536702	60.878	ug/L	99
49) Dibromochloromethane	8.806	129	67286	5.606	ug/L	100
50) 1,2-Dibromoethane	8.922	107	55279	5.365	ug/L	99
51) Chlorobenzene	9.443	112	176664	5.031	ug/L	98
52) Ethylbenzene	9.565	91	288095	5.062	ug/L	100
53) m,p-Xylene	9.690	106	110972	5.288	ug/L	96
54) o-Xylene	10.095	106	106994	5.319	ug/L	99
55) Styrene	10.111	104	183684	5.248	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	86943	5.548	ug/L #	98
59) Bromoform	10.285	173	37854	5.139	ug/L	99
60) Isopropylbenzene	10.481	105	275662	5.073	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	61915	5.149	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	217293	4.849	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	222944	4.942	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	137000	5.082	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	139512	5.004	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	133135	4.998	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	14437	5.304	ug/L	89
69) 1,3,5-Trichlorobenzene	13.214	180	93355	4.703	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	77981	4.668	ug/L	97
71) Naphthalene	14.082	128	159727	4.726	ug/L	98
72) 1,2,3-Trichlorobenzene	14.323	180	79005	4.719	ug/L	98

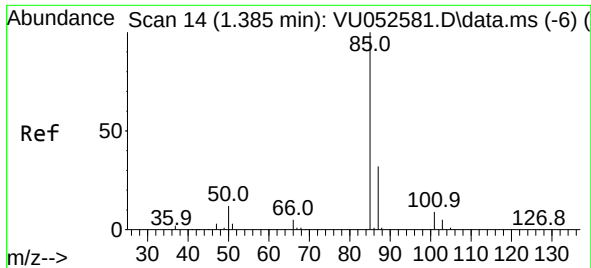
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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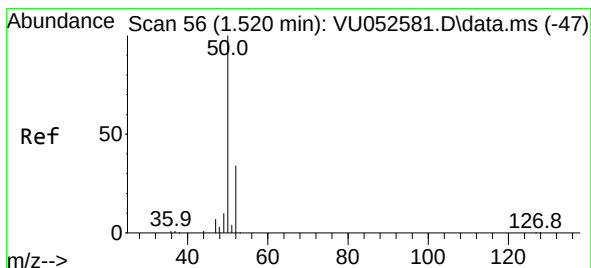
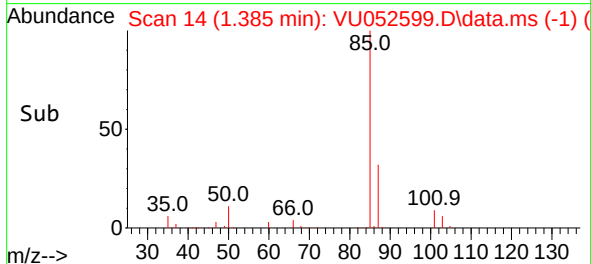
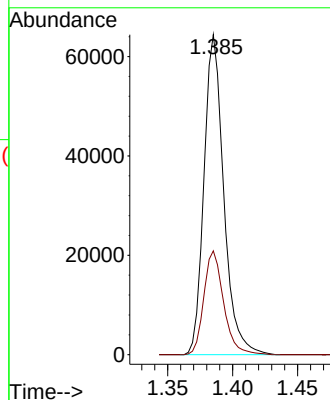
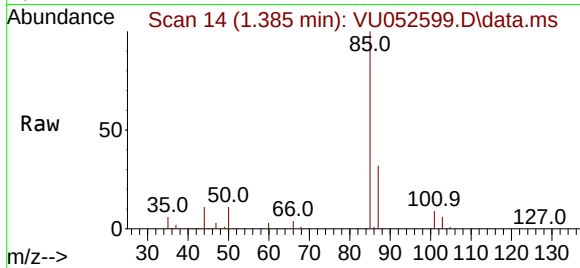




#2
Dichlorodifluoromethane
Concen: 4.772 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

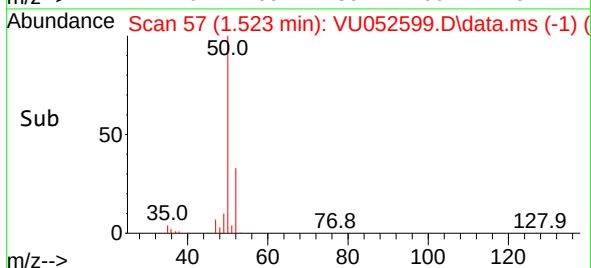
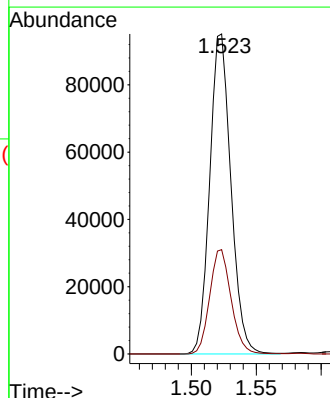
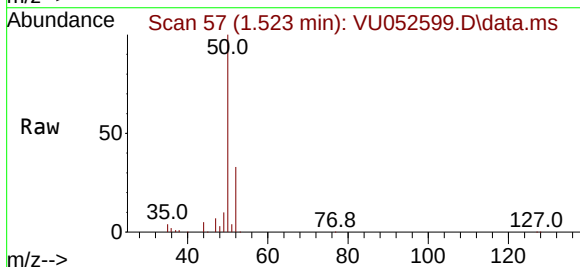
Instrument :
MSVOA_U
ClientSampleId :
H0AA1MS

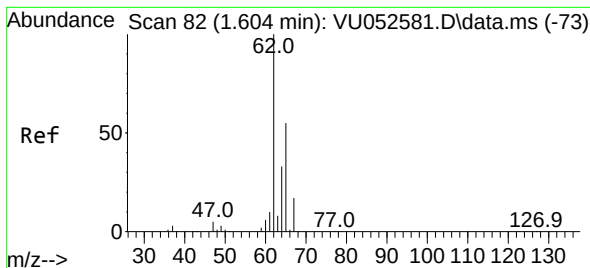
Tgt Ion: 85 Resp: 68304
Ion Ratio Lower Upper
85 100
87 32.4 25.6 38.4



#3
Chloromethane
Concen: 5.216 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

Tgt Ion: 50 Resp: 107761
Ion Ratio Lower Upper
50 100
52 32.6 23.0 42.6





#5

Vinyl chloride

Concen: 4.822 ug/L

RT: 1.607 min Scan# 81

Delta R.T. 0.003 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

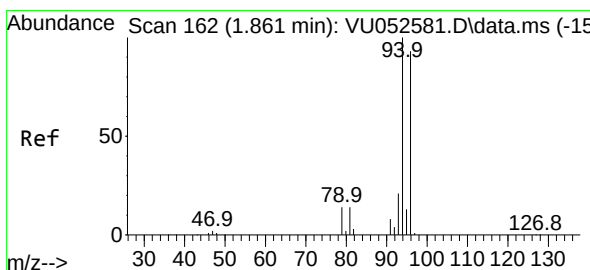
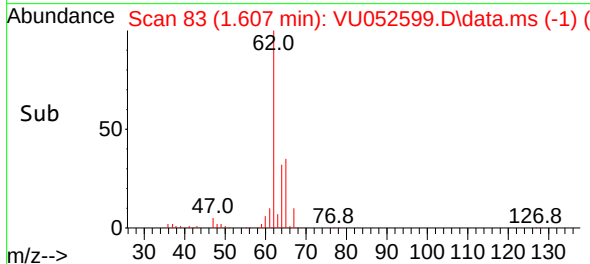
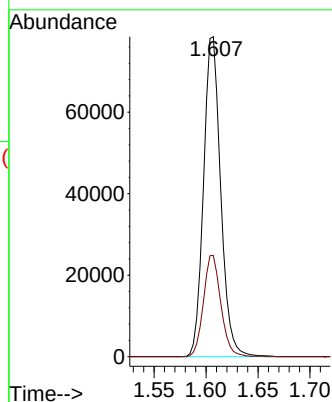
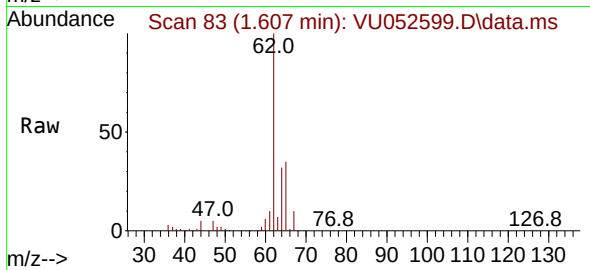
H0AA1MS

Tgt Ion: 62 Resp: 90310

Ion Ratio Lower Upper

62 100

64 31.6 24.4 45.4



#6

Bromomethane

Concen: 3.571 ug/L

RT: 1.861 min Scan# 162

Delta R.T. 0.000 min

Lab File: VU052599.D

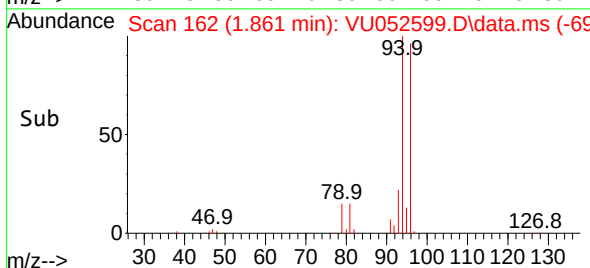
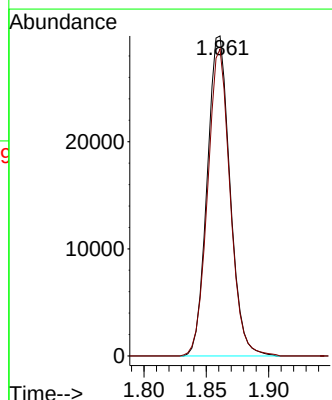
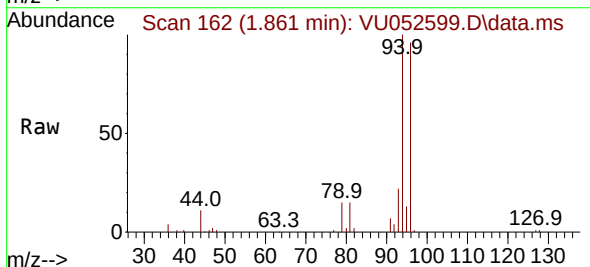
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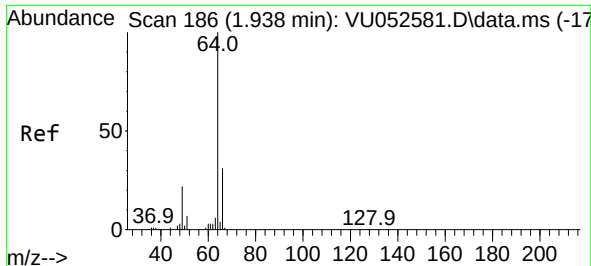
Tgt Ion: 94 Resp: 38122

Ion Ratio Lower Upper

94 100

96 95.9 65.0 120.8

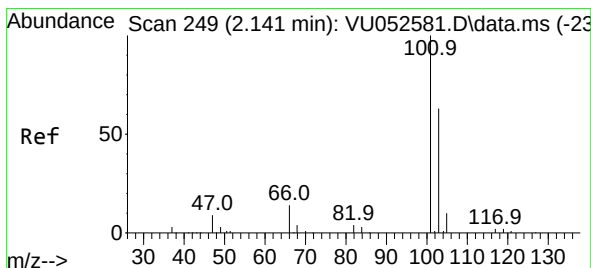
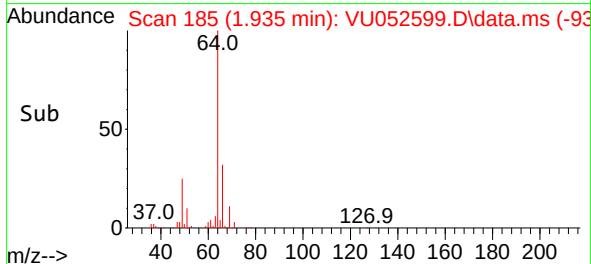
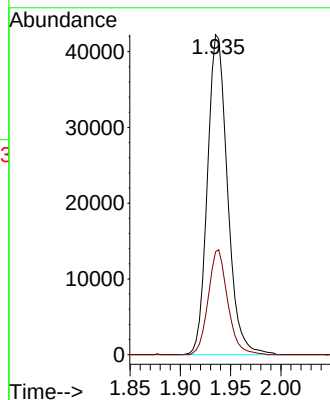
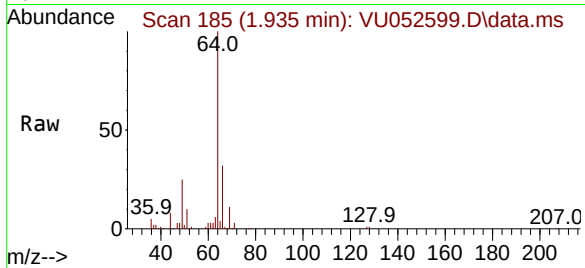




#8
Chloroethane
Concen: 4.573 ug/L
RT: 1.935 min Scan# 186
Delta R.T. -0.003 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

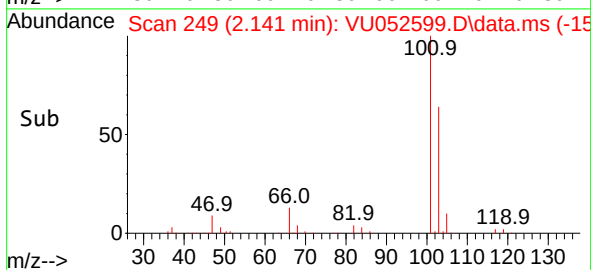
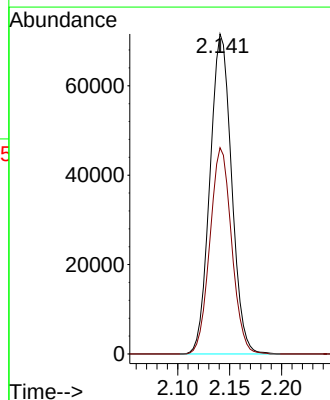
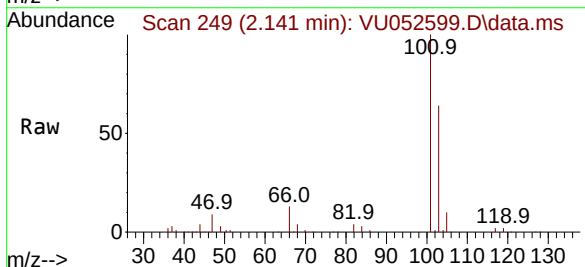
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H0AA1MS

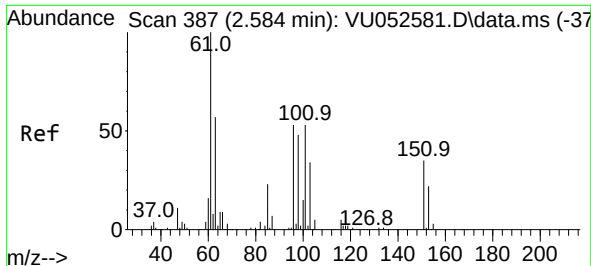
Tgt Ion: 64 Resp: 58661
Ion Ratio Lower Upper
64 100
66 32.2 21.3 39.5



#9
Trichlorofluoromethane
Concen: 4.899 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

Tgt Ion: 101 Resp: 103745
Ion Ratio Lower Upper
101 100
103 64.5 52.0 78.0

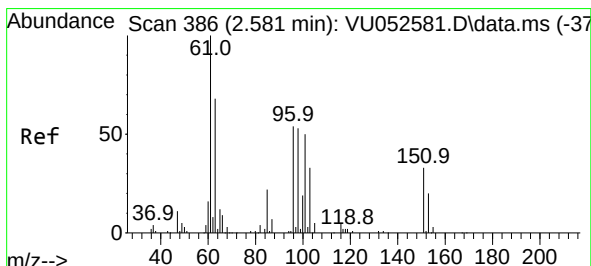
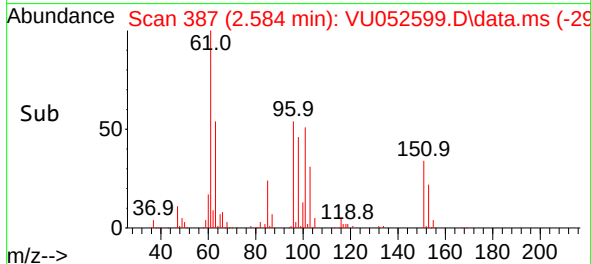
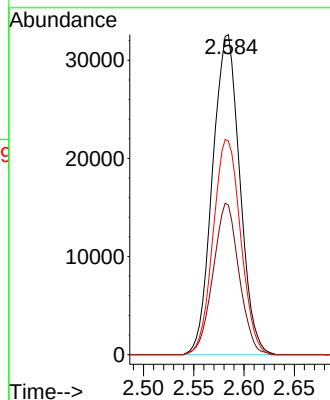
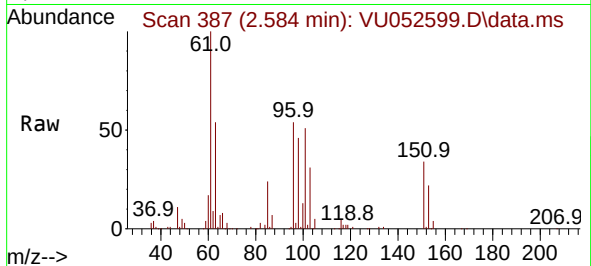




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.888 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU052599.D
 Acq: 28 Dec 2022 19:50

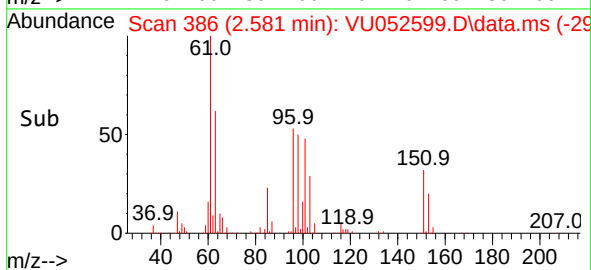
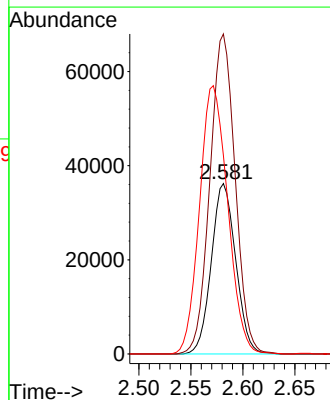
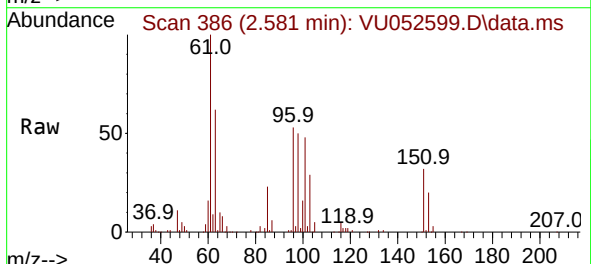
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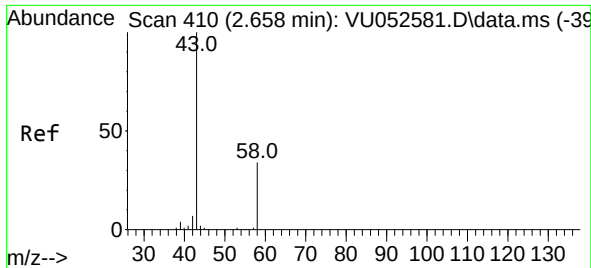
Tgt Ion:101 Resp: 61531
 Ion Ratio Lower Upper
 101 100
 85 45.1 35.8 53.6
 151 67.9 53.6 80.4



#12
 1,1-Dichloroethene
 Concen: 4.902 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052599.D
 Acq: 28 Dec 2022 19:50

Tgt Ion: 96 Resp: 59060
 Ion Ratio Lower Upper
 96 100
 61 187.7 135.4 251.4
 63 116.5 95.4 177.2





#13

Acetone

Concen: 49.099 ug/L

RT: 2.665 min Scan# 41

Delta R.T. 0.007 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

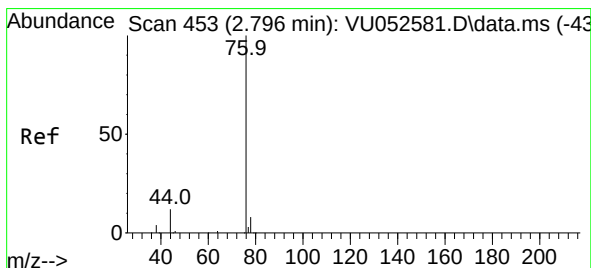
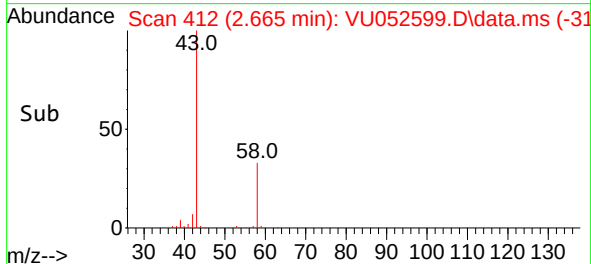
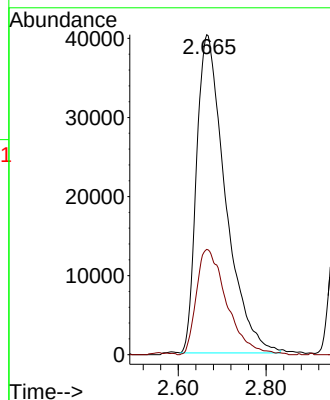
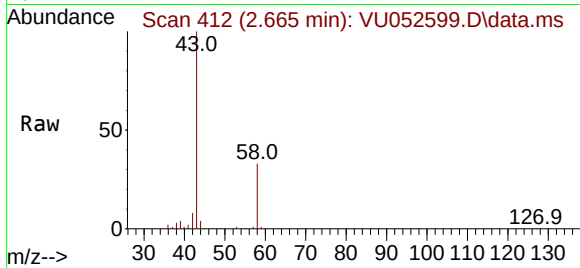
H0AA1MS

Tgt Ion: 43 Resp: 182922

Ion Ratio Lower Upper

43 100

58 34.9 0.0 65.4



#14

Carbon disulfide

Concen: 4.764 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.003 min

Lab File: VU052599.D

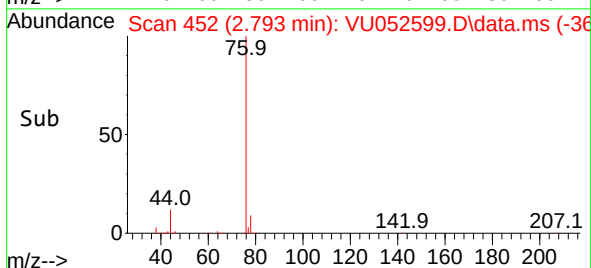
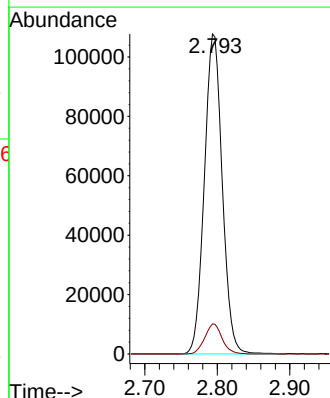
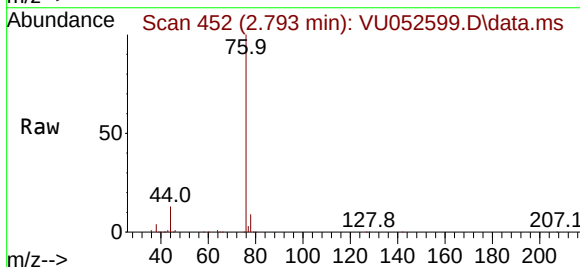
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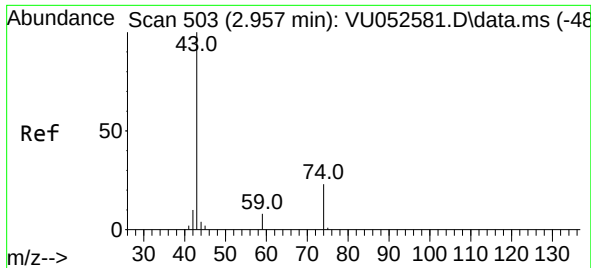
Tgt Ion: 76 Resp: 184940

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

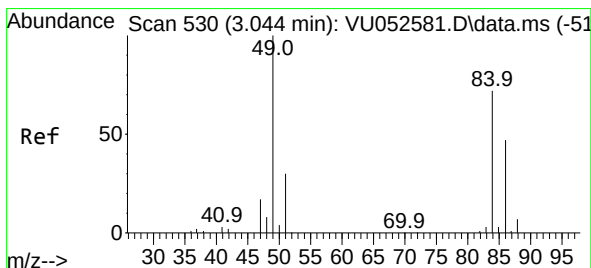
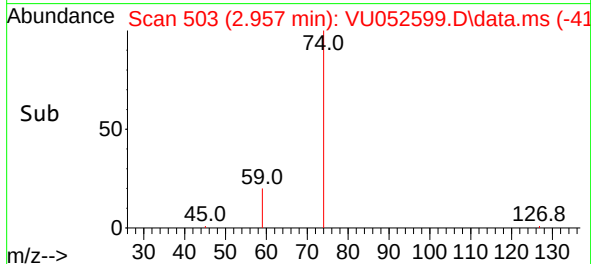
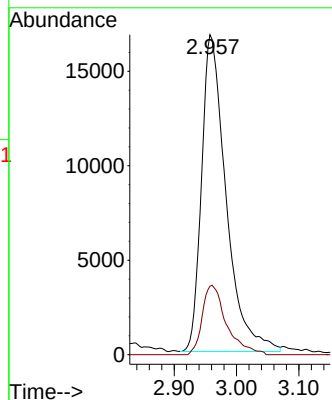
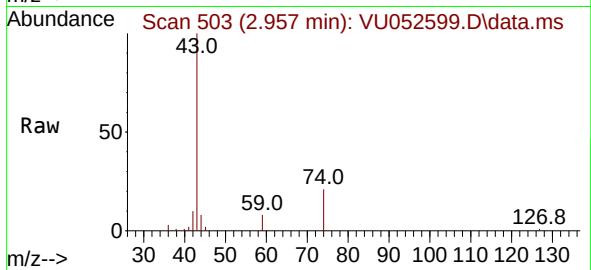




#15
Methyl Acetate
Concen: 5.585 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

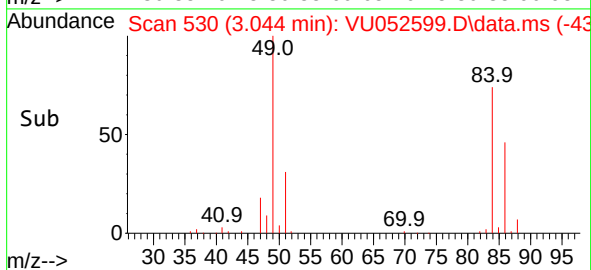
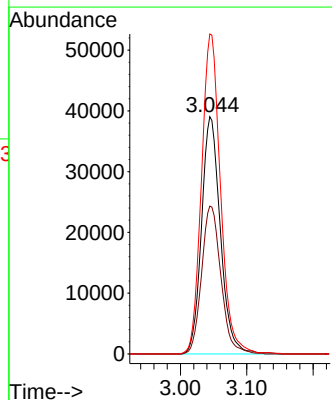
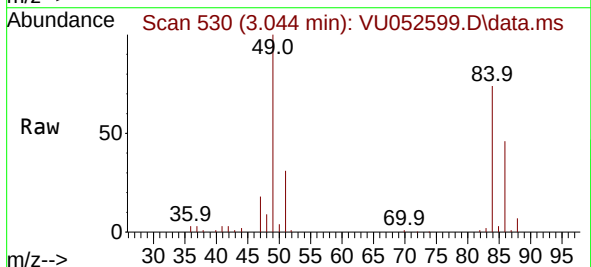
Instrument :
MSVOA_U
ClientSampleId :
H0AA1MS

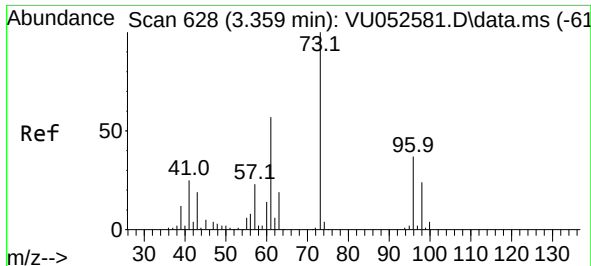
Tgt Ion: 43 Resp: 45837
Ion Ratio Lower Upper
43 100
74 21.6 16.9 25.3



#16
Methylene chloride
Concen: 4.523 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

Tgt Ion: 84 Resp: 76978
Ion Ratio Lower Upper
84 100
86 62.3 44.7 83.1
49 134.8 93.3 173.3





#17

Methyl tert-butyl Ether

Concen: 5.317 ug/L

RT: 3.363 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

H0AA1MS

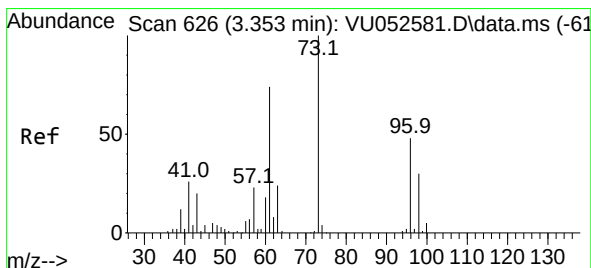
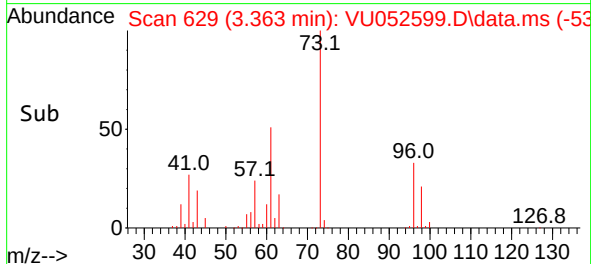
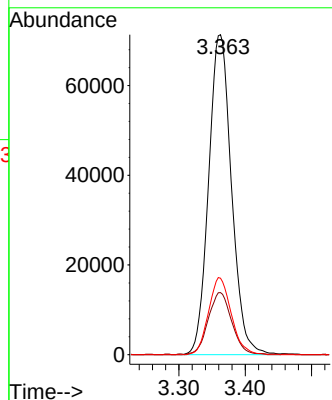
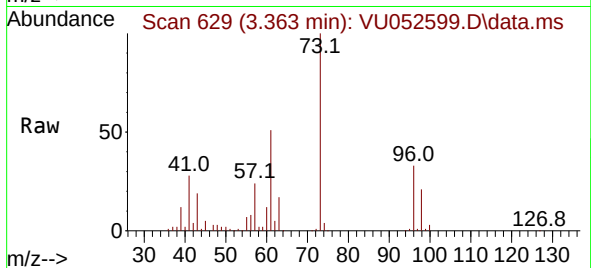
Tgt Ion: 73 Resp: 170994

Ion Ratio Lower Upper

73 100

43 20.0 16.1 24.1

57 23.9 19.2 28.8



#18

trans-1,2-Dichloroethene

Concen: 5.115 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

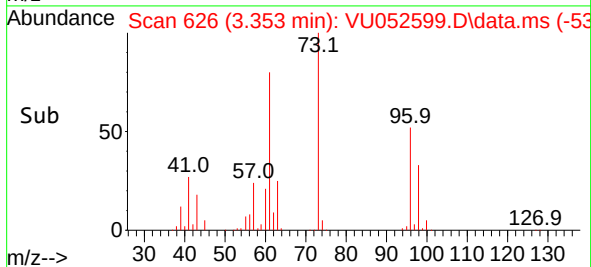
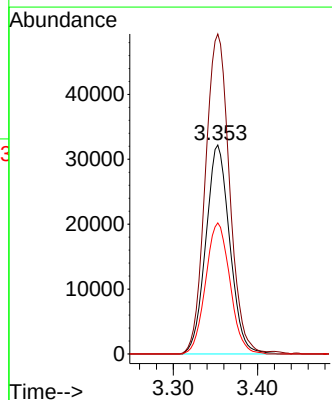
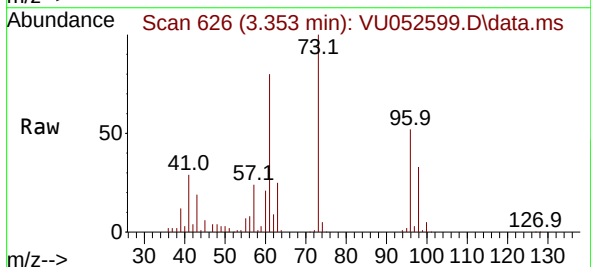
Tgt Ion: 96 Resp: 63503

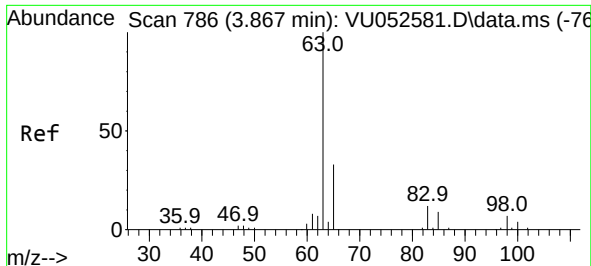
Ion Ratio Lower Upper

96 100

61 153.1 108.3 201.1

98 62.7 44.0 81.6





#19

1,1-Dichloroethane

Concen: 5.239 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

H0AA1MS

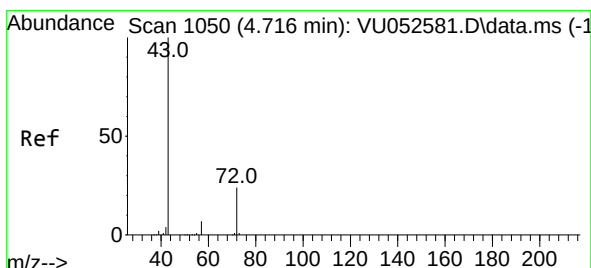
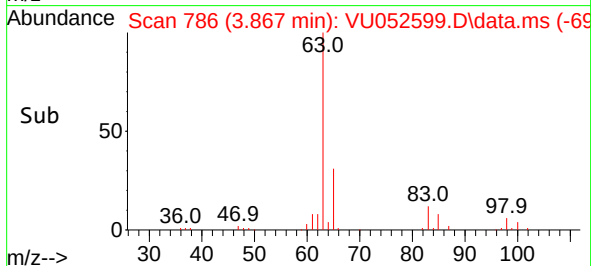
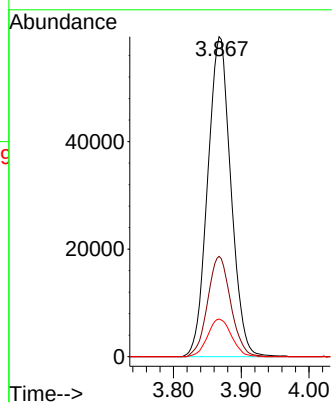
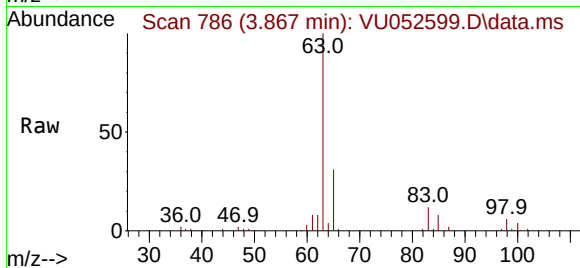
Tgt Ion: 63 Resp: 141456

Ion Ratio Lower Upper

63 100

65 31.4 22.0 40.8

83 11.8 9.0 16.8



#21

2-Butanone

Concen: 56.662 ug/L

RT: 4.723 min Scan# 1052

Delta R.T. 0.007 min

Lab File: VU052599.D

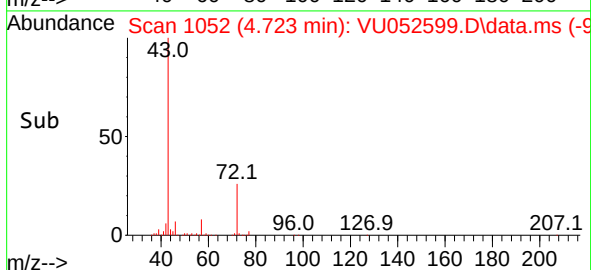
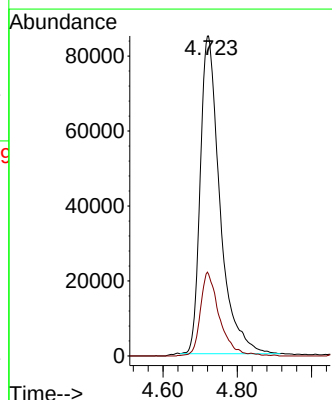
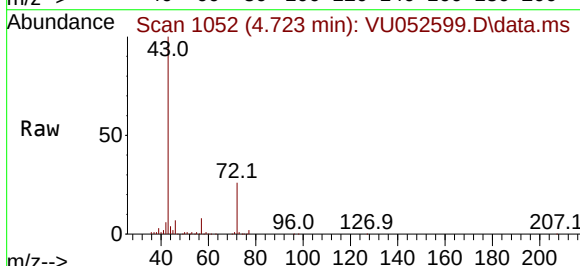
Acq: 28 Dec 2022 19:50

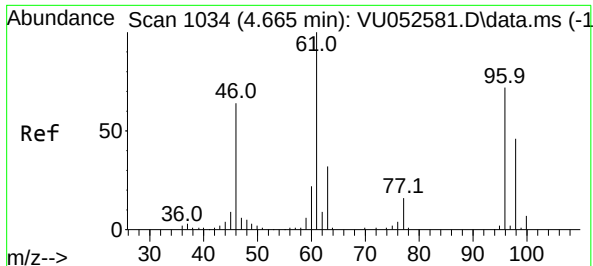
Tgt Ion: 43 Resp: 310898

Ion Ratio Lower Upper

43 100

72 25.2 11.6 34.7

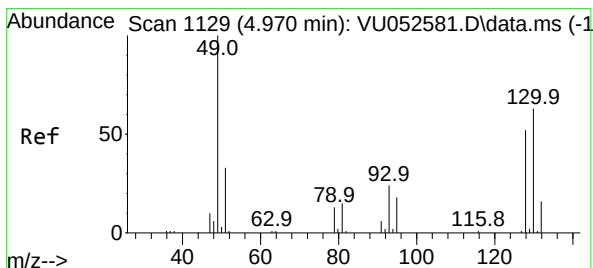
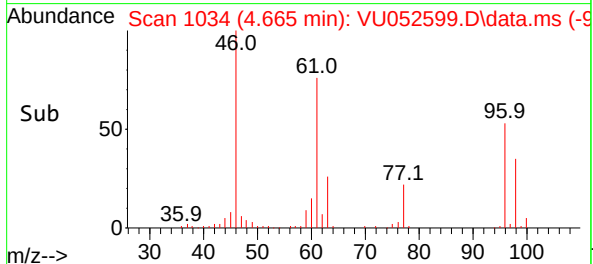
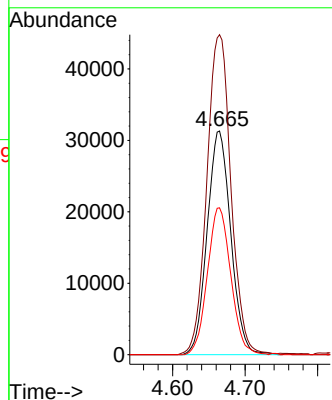
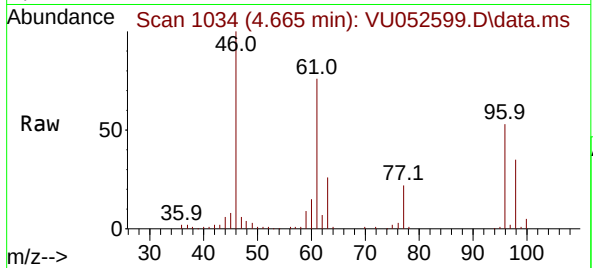




#22
 cis-1,2-Dichloroethene
 Concen: 5.202 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU052599.D
 Acq: 28 Dec 2022 19:50

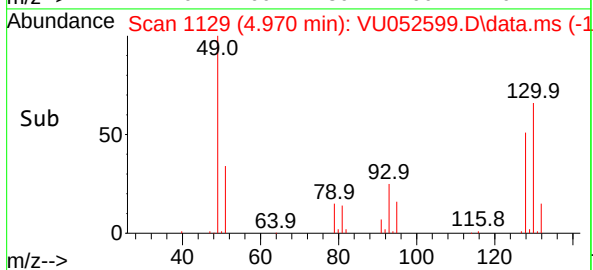
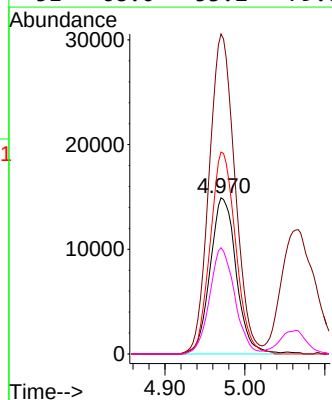
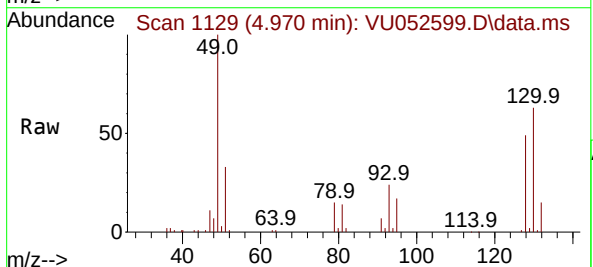
Instrument :
 MSVOA_U
 ClientSampleId :
 H0AA1MS

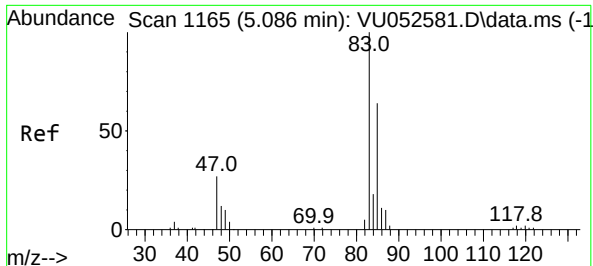
Tgt Ion: 96 Resp: 70882
 Ion Ratio Lower Upper
 96 100
 61 143.0 96.9 180.1
 98 65.7 44.7 83.1



#23
 Bromochloromethane
 Concen: 5.343 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VU052599.D
 Acq: 28 Dec 2022 19:50

Tgt Ion: 128 Resp: 33737
 Ion Ratio Lower Upper
 128 100
 49 204.9 143.3 266.1
 130 129.3 88.4 164.2
 51 68.0 53.2 79.8





#25

Chloroform

Concen: 5.241 ug/L

RT: 5.083 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

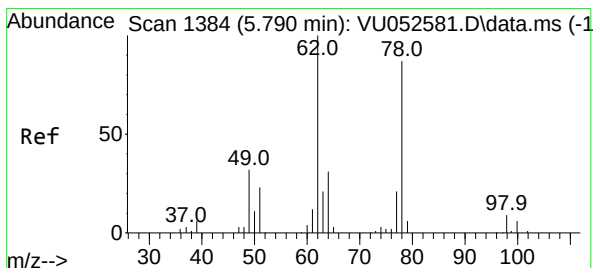
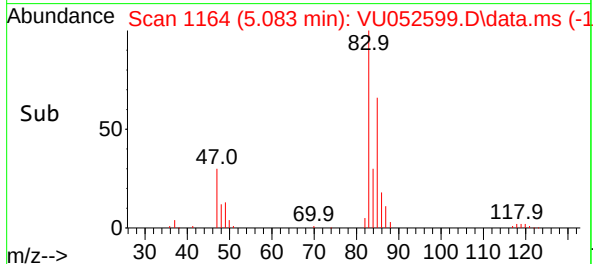
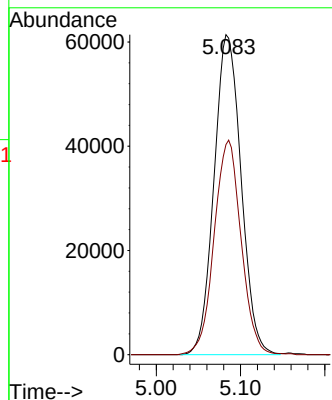
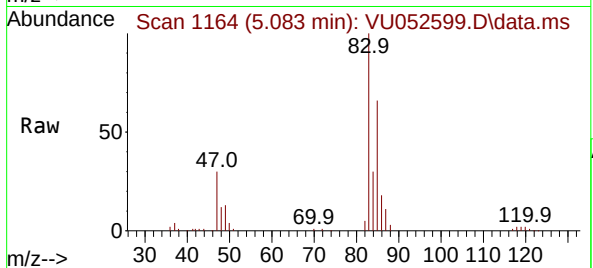
H0AA1MS

Tgt Ion: 83 Resp: 137118

Ion Ratio Lower Upper

83 100

85 65.6 44.7 83.1



#27

1,2-Dichloroethane

Concen: 5.209 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU052599.D

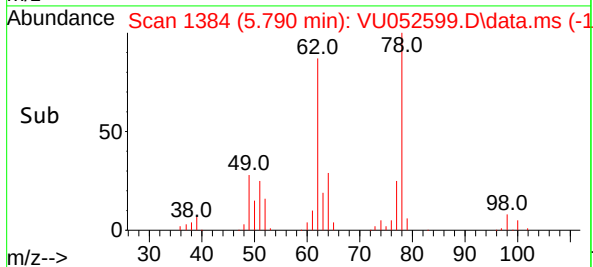
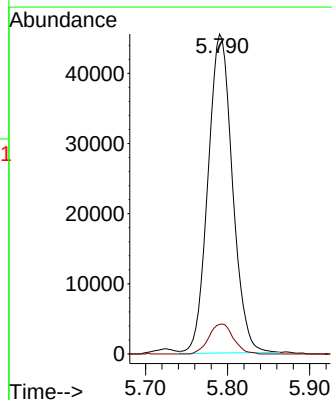
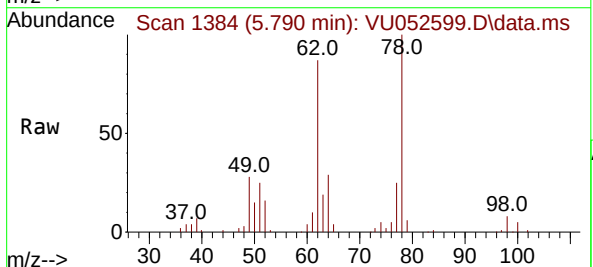
Acq: 28 Dec 2022 19:50

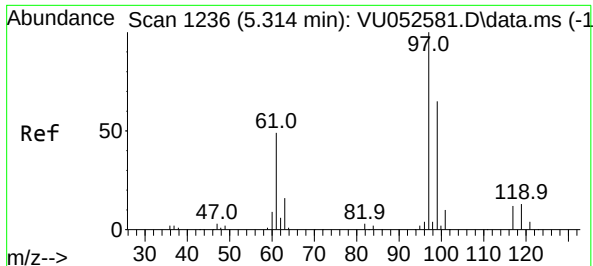
Tgt Ion: 62 Resp: 94154

Ion Ratio Lower Upper

62 100

98 9.3 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 5.190 ug/L

RT: 5.311 min Scan# 1236

Delta R.T. -0.003 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

H0AA1MS

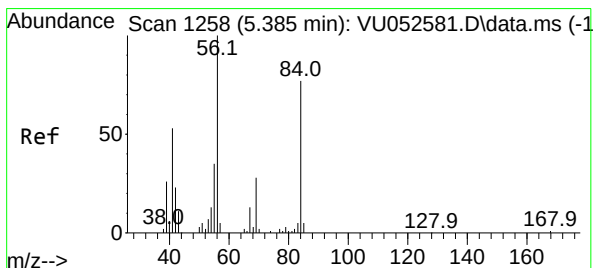
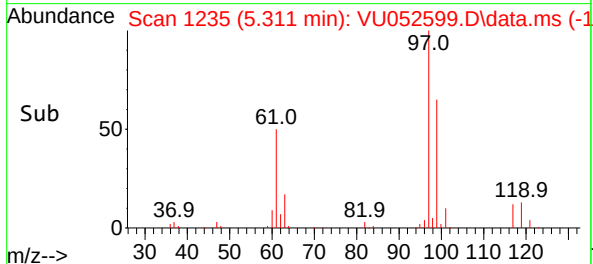
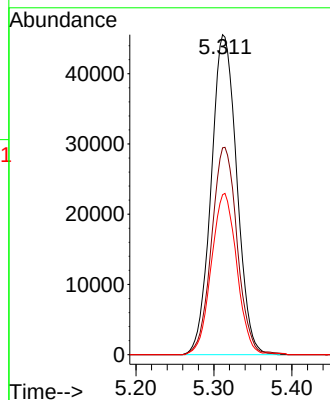
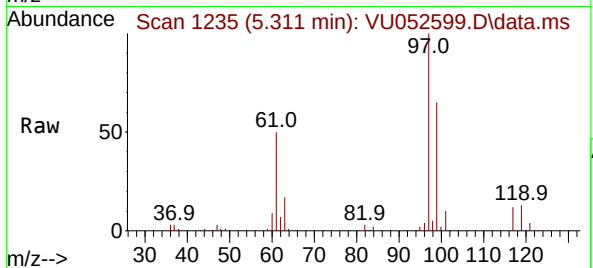
Tgt Ion: 97 Resp: 104019

Ion Ratio Lower Upper

97 100

99 65.1 52.2 78.2

61 50.2 41.6 62.4



#30

Cyclohexane

Concen: 4.914 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

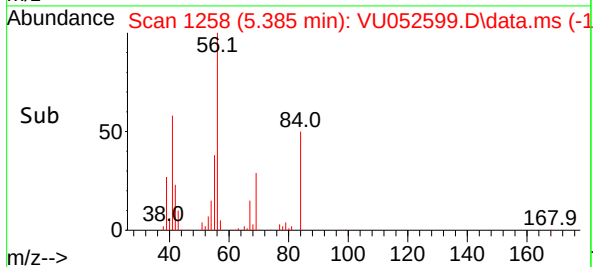
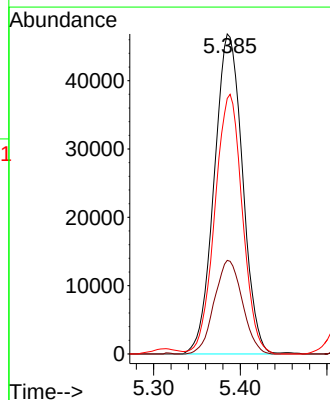
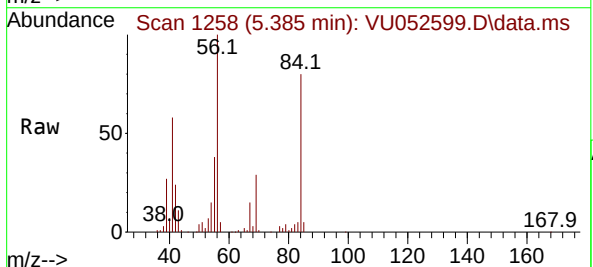
Tgt Ion: 56 Resp: 106437

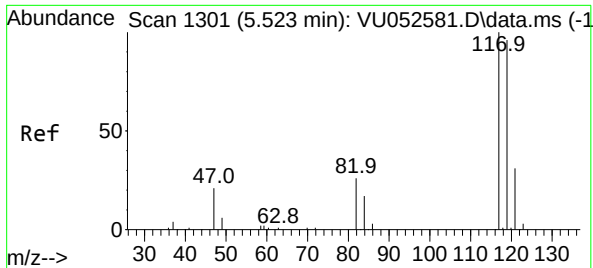
Ion Ratio Lower Upper

56 100

69 28.9 23.0 34.6

84 79.0 64.4 96.6

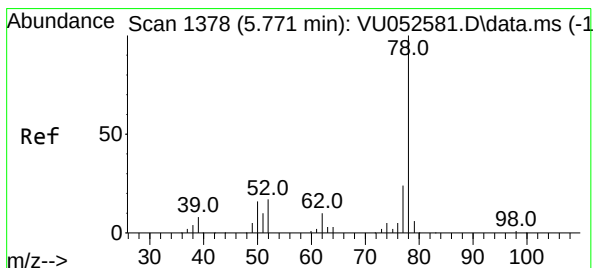
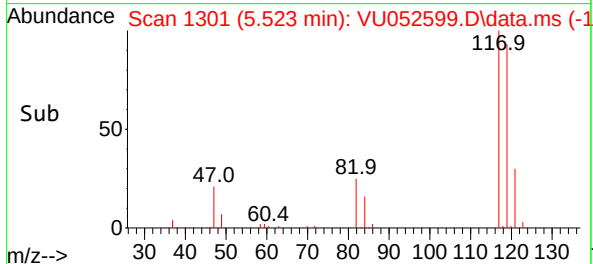
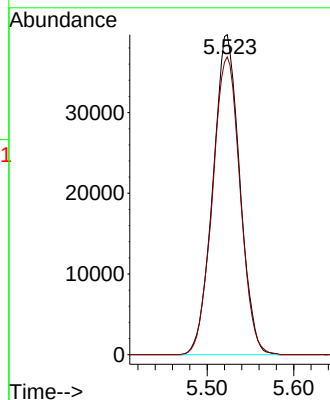
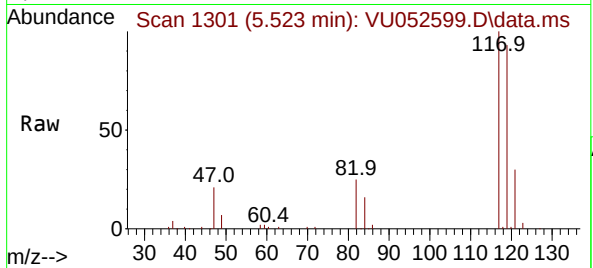




#31
Carbon tetrachloride
Concen: 4.836 ug/L
RT: 5.523 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

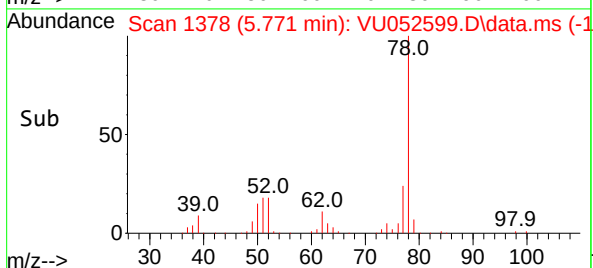
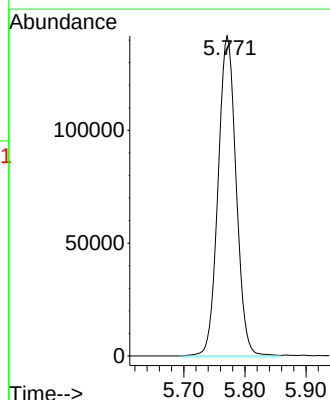
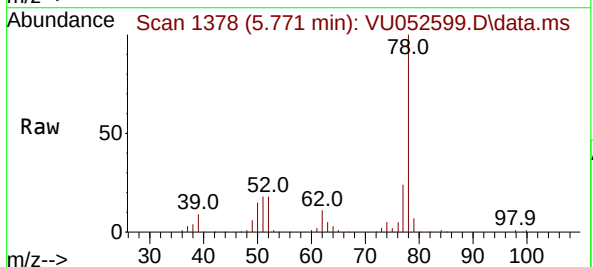
Instrument :
MSVOA_U
ClientSampleId :
H0AA1MS

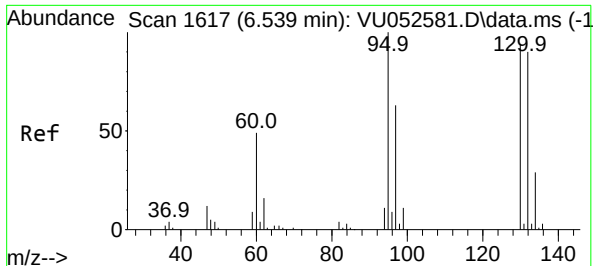
Tgt Ion:117 Resp: 85167
Ion Ratio Lower Upper
117 100
119 95.9 76.3 114.5



#33
Benzene
Concen: 5.081 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

Tgt Ion: 78 Resp: 291417

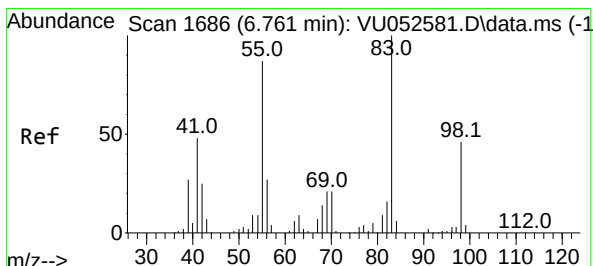
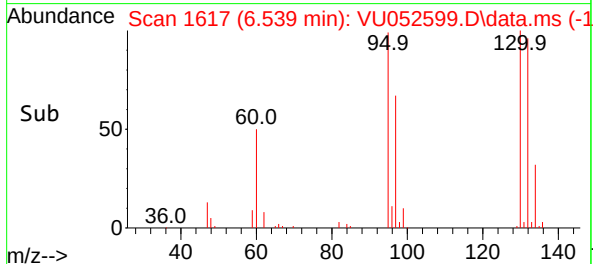
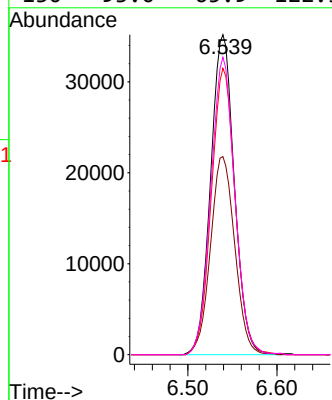
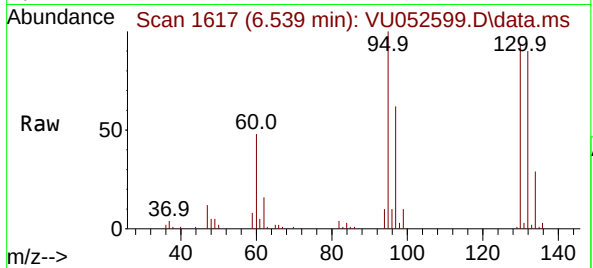




#34
Trichloroethene
Concen: 4.854 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

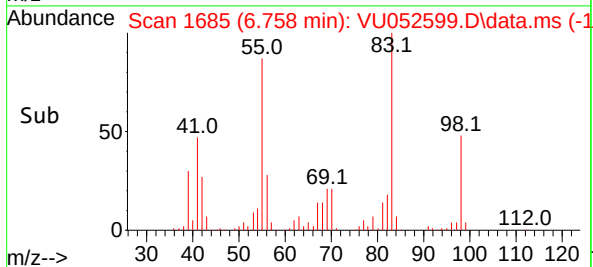
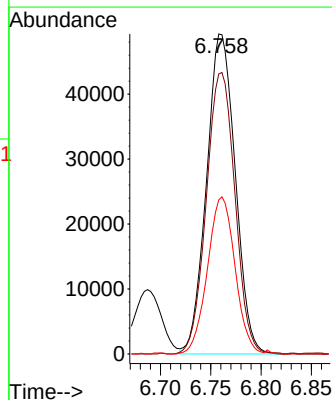
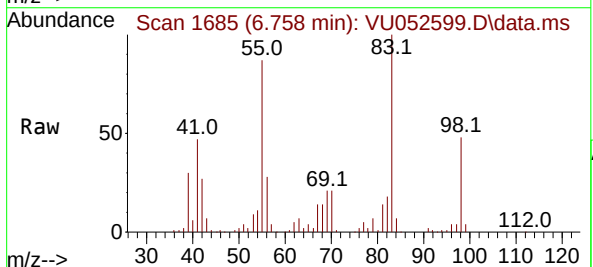
Instrument :
MSVOA_U
ClientSampleId :
H0AA1MS

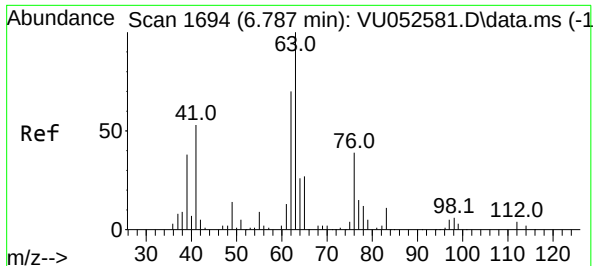
Tgt Ion: 95 Resp: 65086
Ion Ratio Lower Upper
95 100
97 61.9 46.3 86.1
132 89.5 63.9 118.7
130 93.0 65.9 122.5



#35
Methylcyclohexane
Concen: 4.839 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

Tgt Ion: 83 Resp: 97845
Ion Ratio Lower Upper
83 100
55 87.8 71.4 107.0
98 47.1 36.5 54.7





#37

1,2-Dichloropropane

Concen: 5.294 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

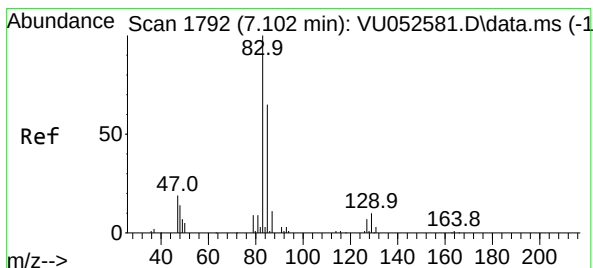
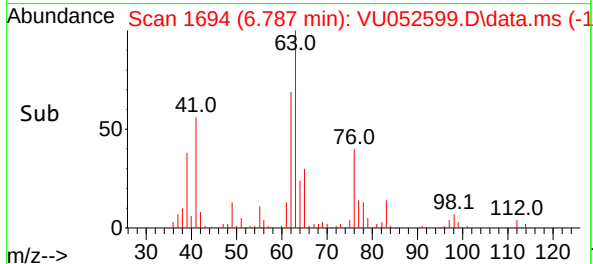
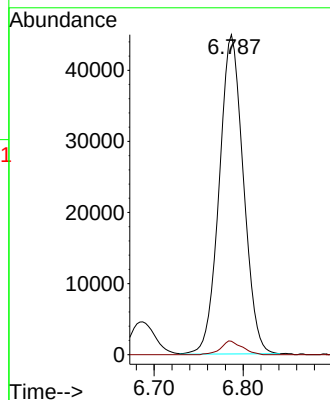
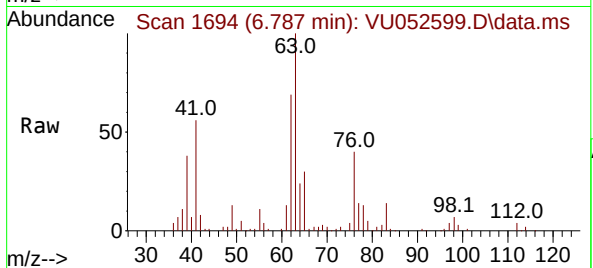
H0AA1MS

Tgt Ion: 63 Resp: 84728

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 5.151 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

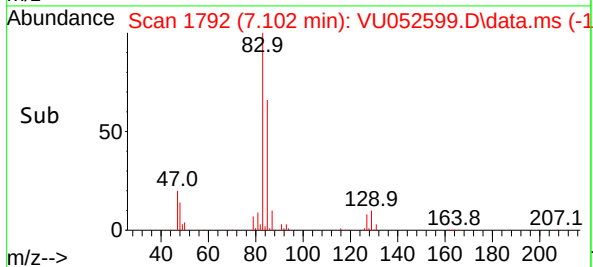
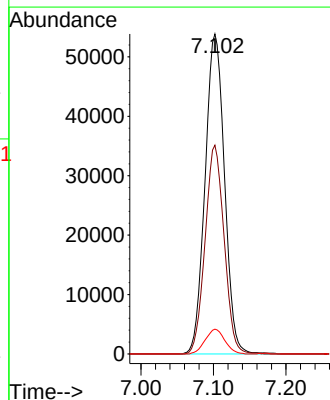
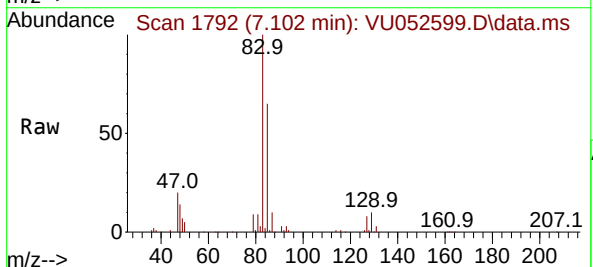
Tgt Ion: 83 Resp: 100340

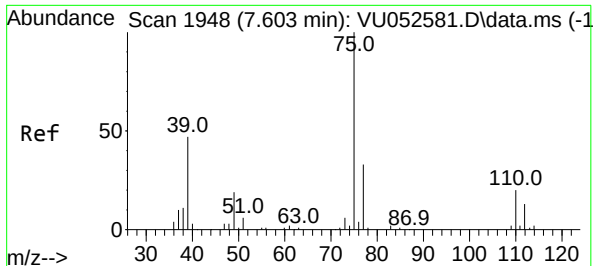
Ion Ratio Lower Upper

83 100

85 65.3 45.2 84.0

127 7.7 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 5.124 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

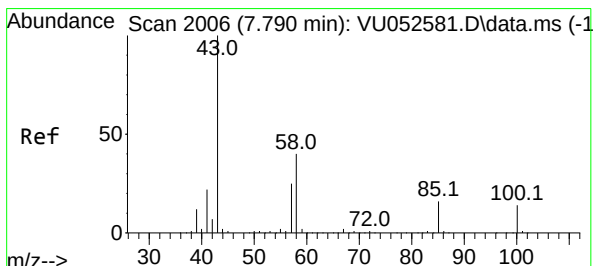
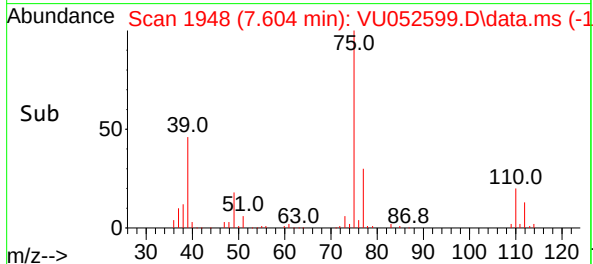
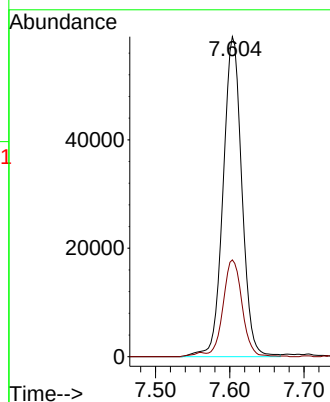
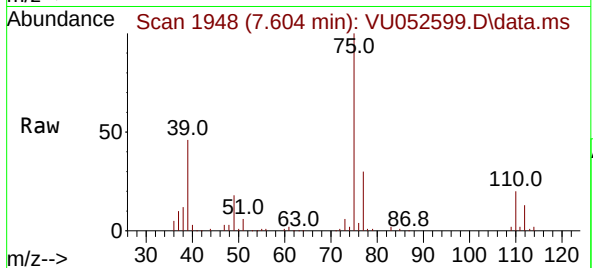
H0AA1MS

Tgt Ion: 75 Resp: 103874

Ion Ratio Lower Upper

75 100

77 30.2 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 60.329 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

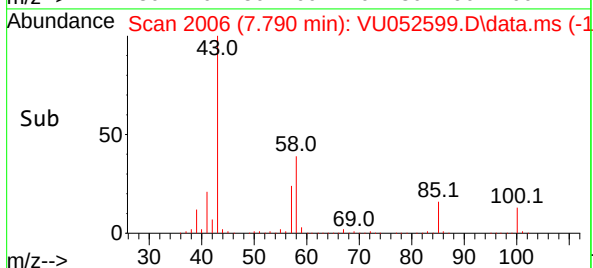
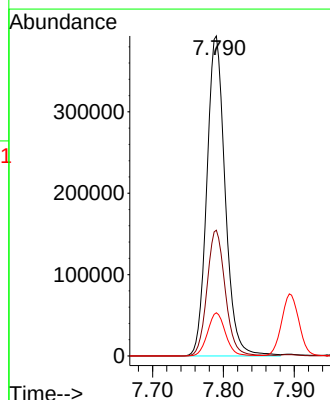
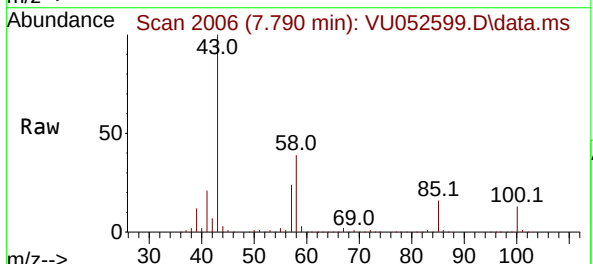
Tgt Ion: 43 Resp: 705590

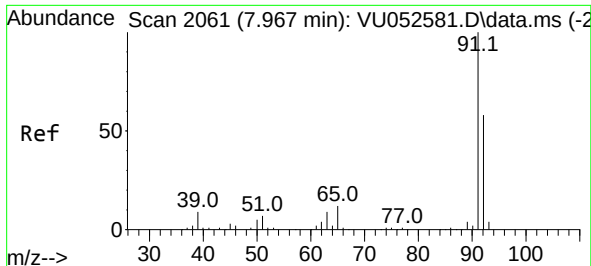
Ion Ratio Lower Upper

43 100

58 39.2 30.6 45.8

100 13.2 10.4 15.6





#42

Toluene

Concen: 5.312 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

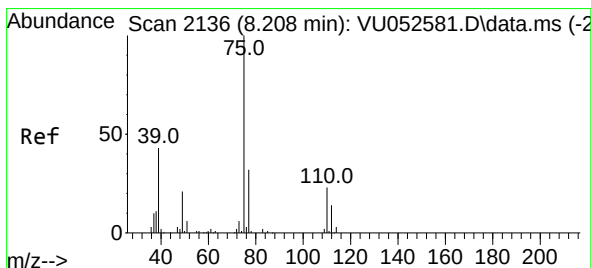
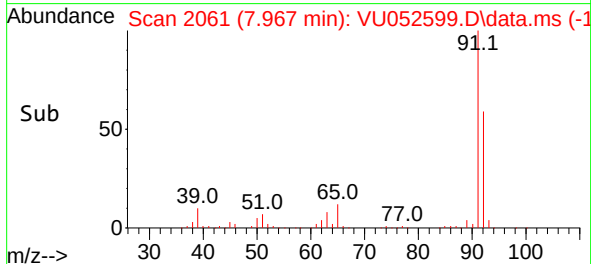
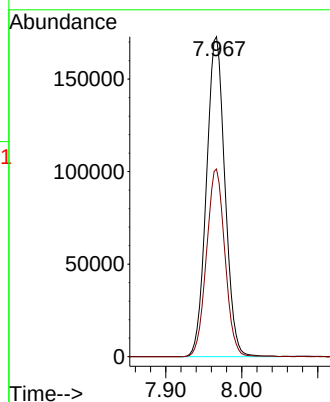
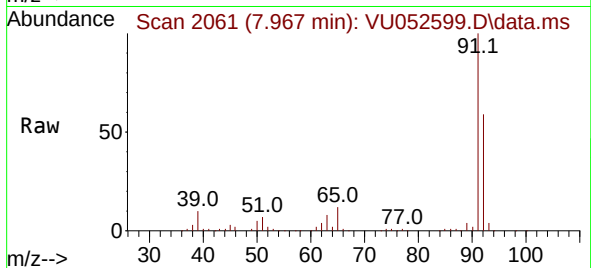
H0AA1MS

Tgt Ion: 91 Resp: 292106

Ion Ratio Lower Upper

91 100

92 58.6 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.455 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052599.D

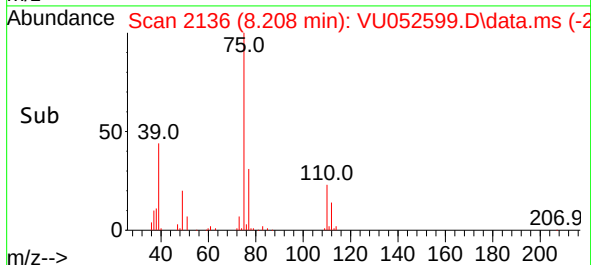
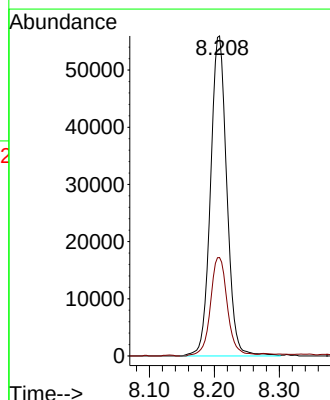
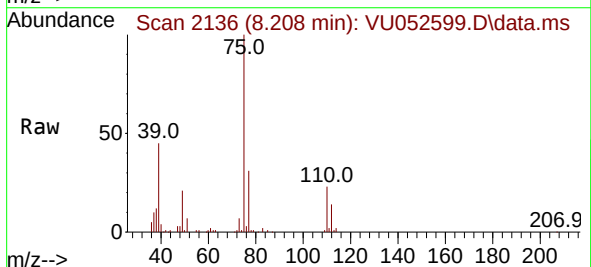
Acq: 28 Dec 2022 19:50

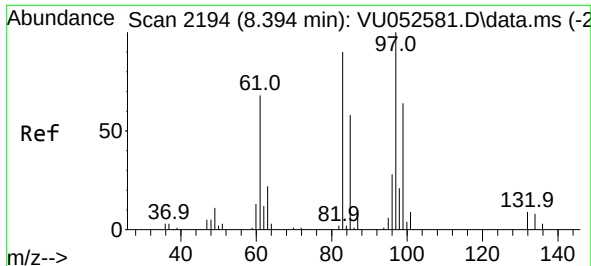
Tgt Ion: 75 Resp: 97438

Ion Ratio Lower Upper

75 100

77 30.7 22.8 42.4

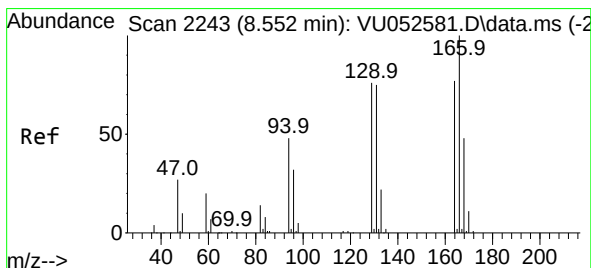
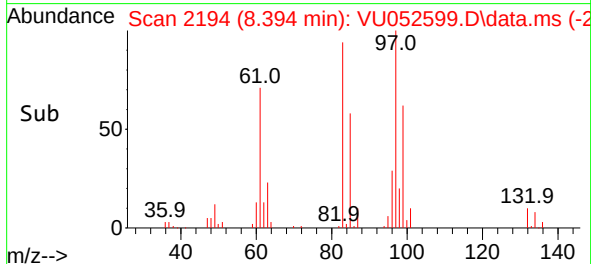
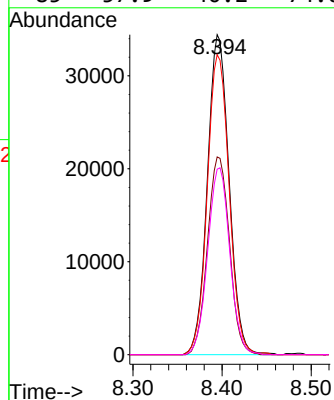
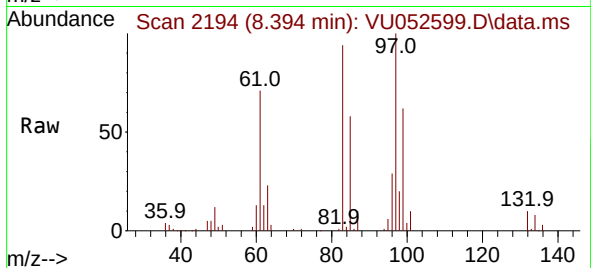




#45
1,1,2-Trichloroethane
Concen: 5.153 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

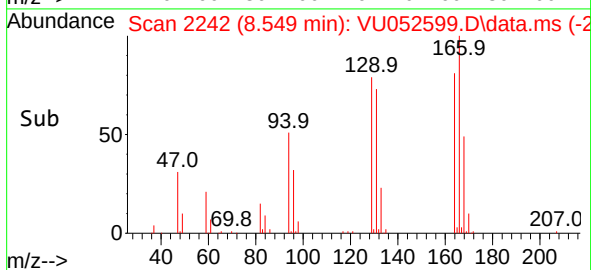
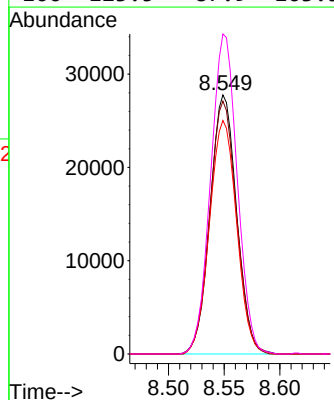
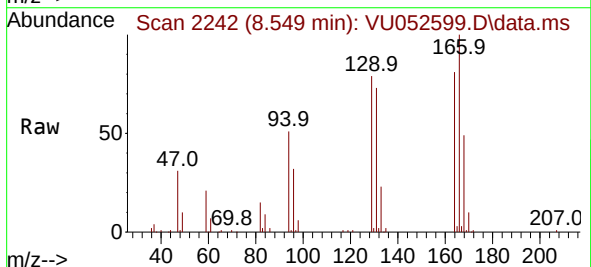
Instrument :
MSVOA_U
ClientSampleId :
H0AA1MS

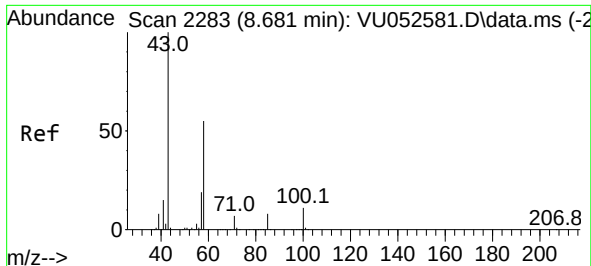
Tgt Ion:	97	Resp:	58407
Ion	Ratio	Lower	Upper
97	100		
99	61.8	42.0	78.0
83	93.8	63.2	117.4
85	57.9	40.2	74.6



#47
Tetrachloroethene
Concen: 4.915 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

Tgt Ion:	164	Resp:	46006
Ion	Ratio	Lower	Upper
164	100		
129	97.6	68.1	126.5
131	90.1	66.5	123.5
166	123.5	87.9	163.3

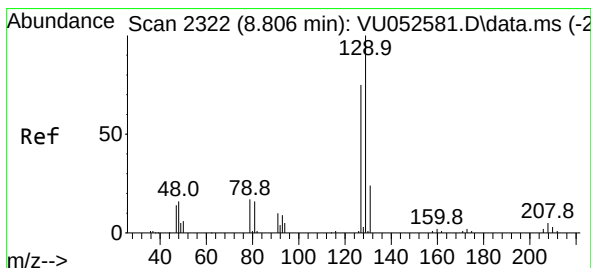
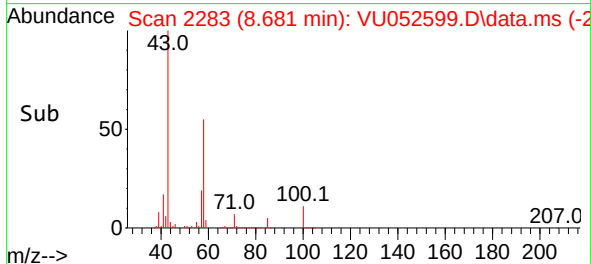
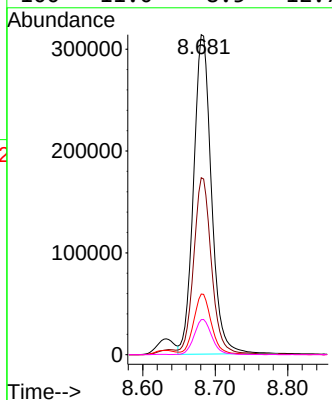
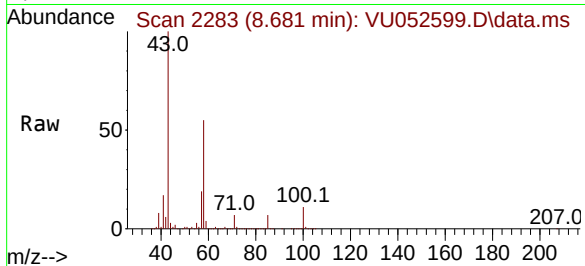




#48
2-Hexanone
Concen: 60.878 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

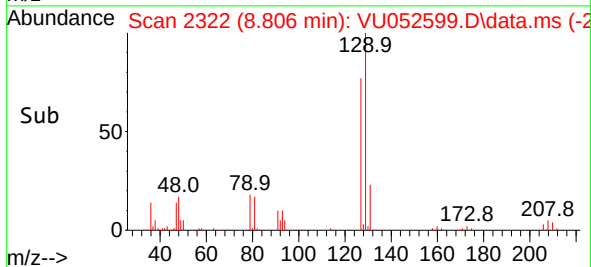
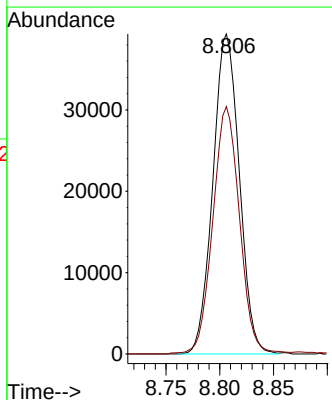
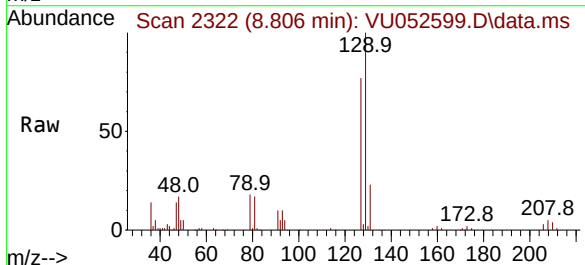
Instrument :
MSVOA_U
ClientSampleId :
H0AA1MS

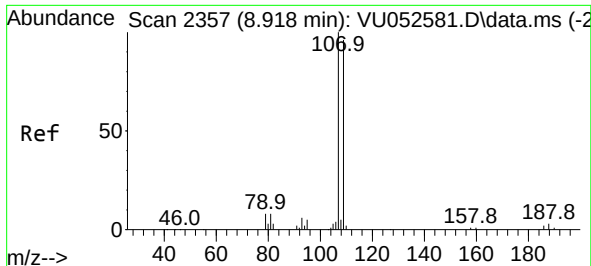
Tgt Ion: 43 Resp: 536702
Ion Ratio Lower Upper
43 100
58 55.5 44.1 66.1
57 18.8 14.6 21.8
100 11.0 8.5 12.7



#49
Dibromochloromethane
Concen: 5.606 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

Tgt Ion: 129 Resp: 67286
Ion Ratio Lower Upper
129 100
127 77.3 54.2 100.6





#50

1,2-Dibromoethane

Concen: 5.365 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

H0AA1MS

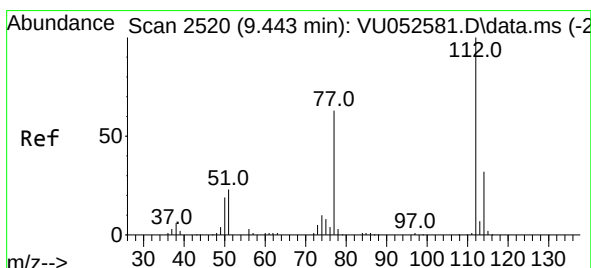
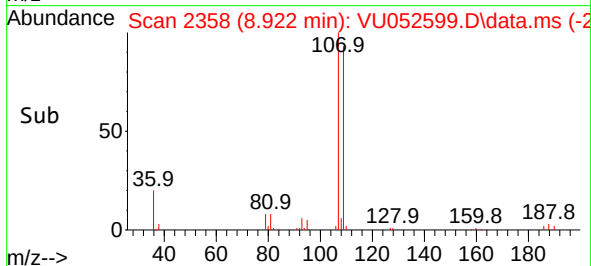
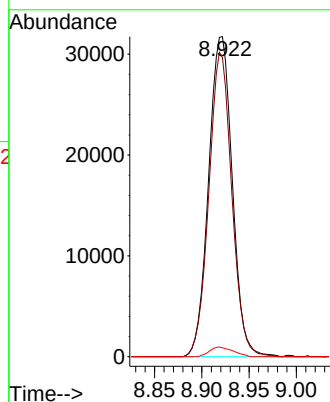
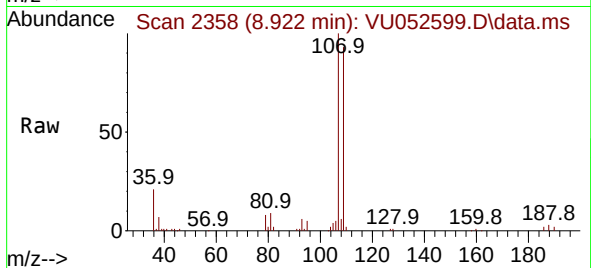
Tgt Ion:107 Resp: 55279

Ion Ratio Lower Upper

107 100

109 93.5 65.8 122.2

188 2.8 2.3 3.5



#51

Chlorobenzene

Concen: 5.031 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

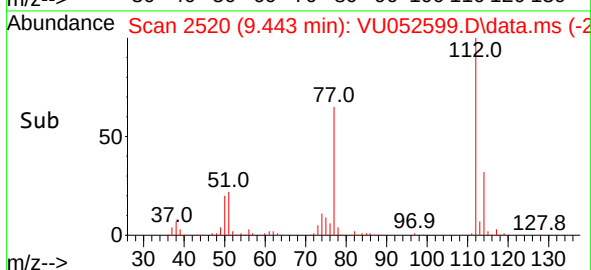
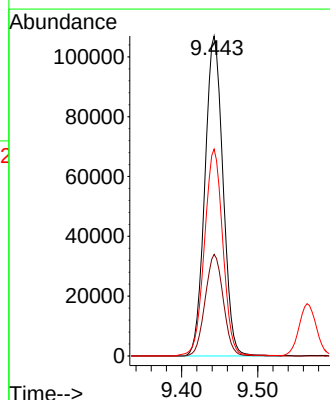
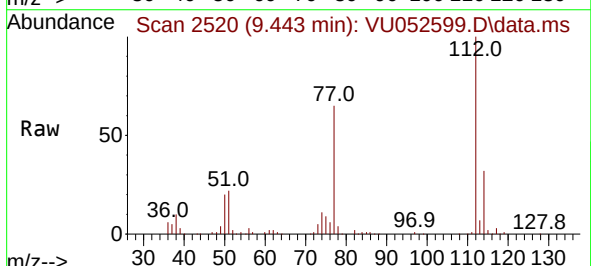
Tgt Ion:112 Resp: 176664

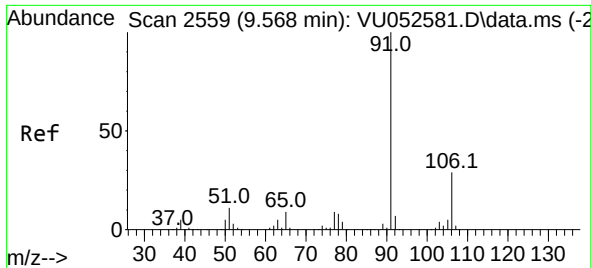
Ion Ratio Lower Upper

112 100

114 31.7 21.3 39.5

77 64.7 51.0 76.6

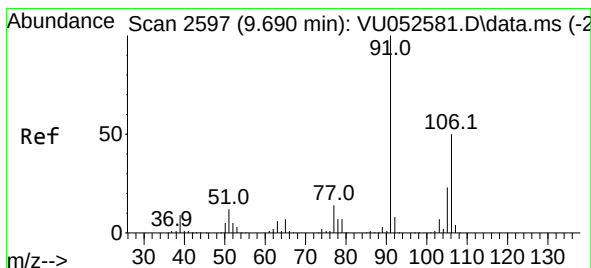
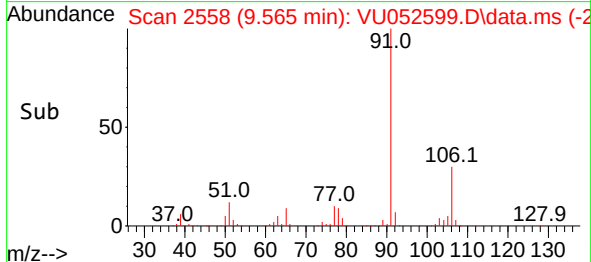
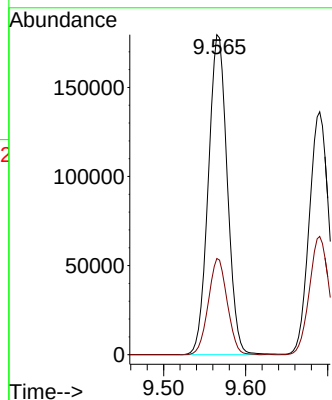
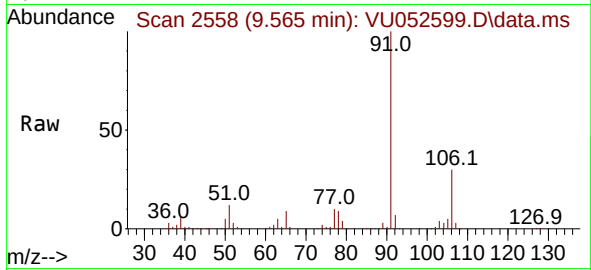




#52
Ethylbenzene
Concen: 5.062 ug/L
RT: 9.565 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

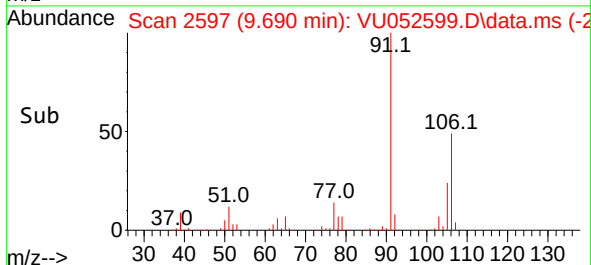
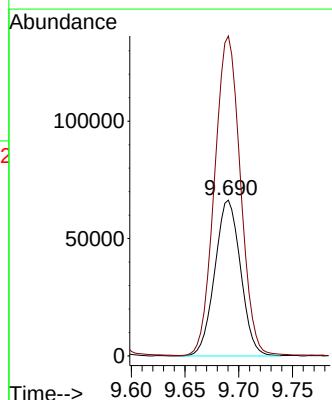
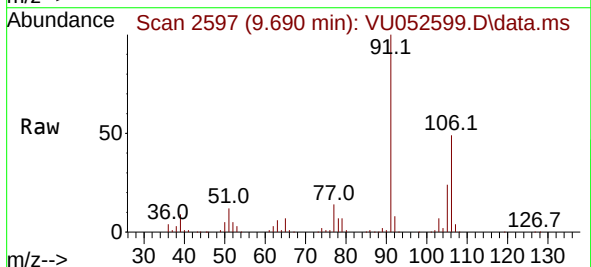
Instrument :
MSVOA_U
ClientSampleId :
H0AA1MS

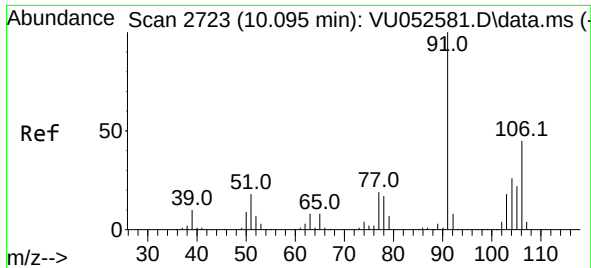
Tgt Ion: 91 Resp: 288095
Ion Ratio Lower Upper
91 100
106 30.0 20.9 38.7



#53
m,p-Xylene
Concen: 5.288 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

Tgt Ion:106 Resp: 110972
Ion Ratio Lower Upper
106 100
91 205.3 148.2 275.2

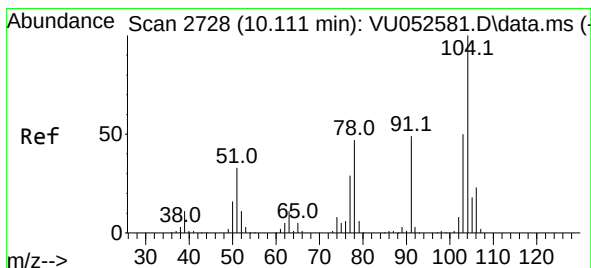
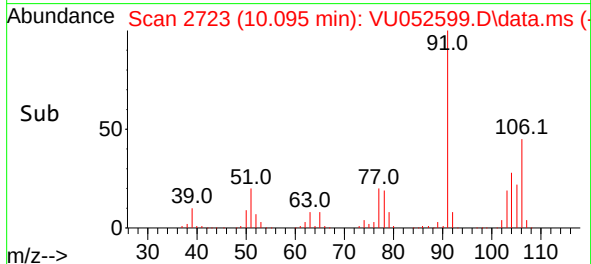
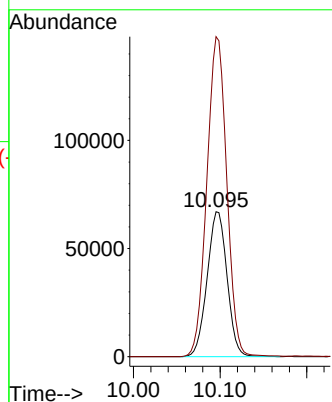
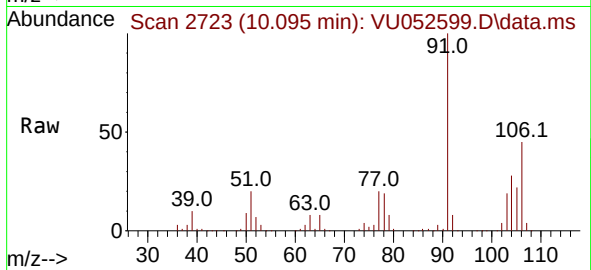




#54
o-Xylene
Concen: 5.319 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

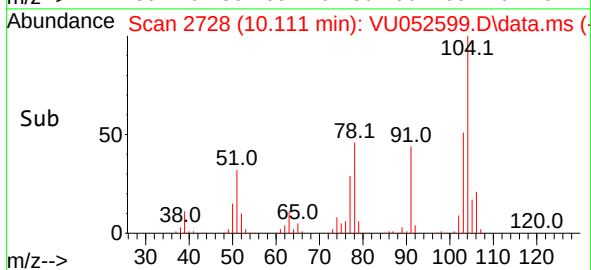
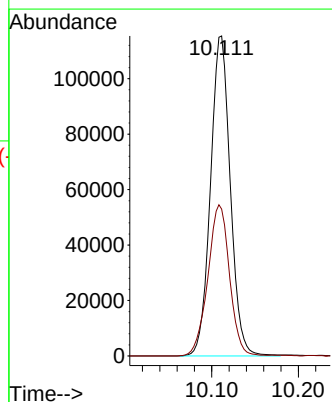
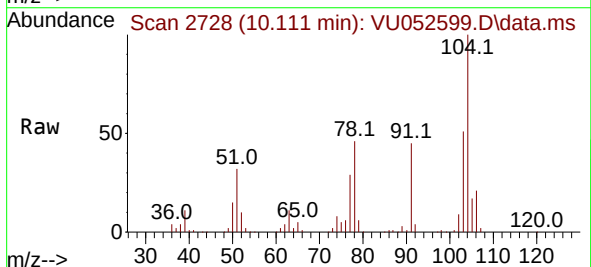
Instrument :
MSVOA_U
ClientSampleId :
H0AA1MS

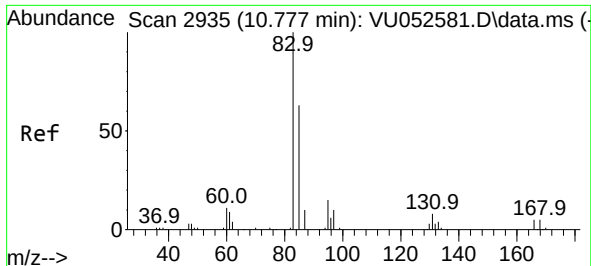
Tgt Ion:106 Resp: 106994
Ion Ratio Lower Upper
106 100
91 220.7 153.2 284.4



#55
Styrene
Concen: 5.248 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

Tgt Ion:104 Resp: 183684
Ion Ratio Lower Upper
104 100
78 45.9 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.548 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

H0AA1MS

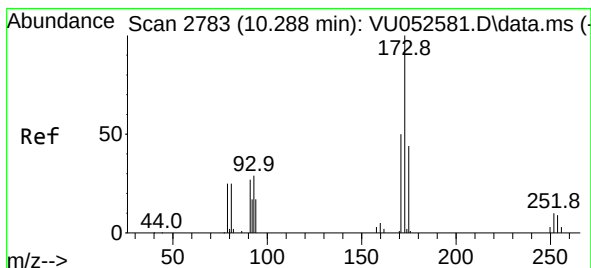
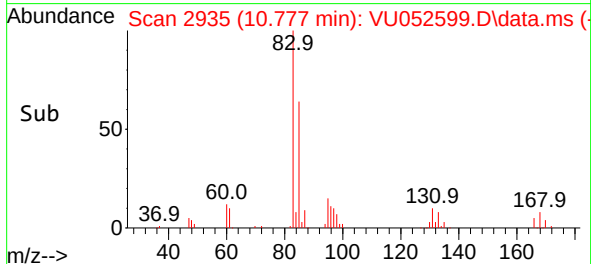
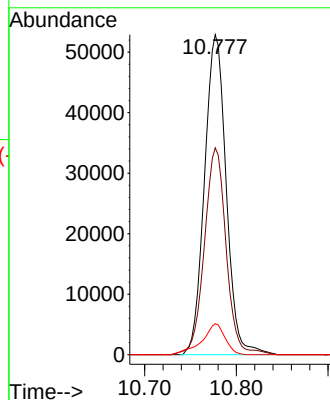
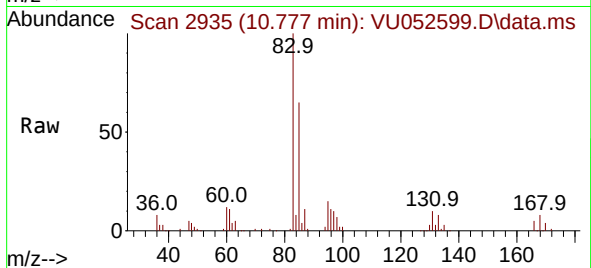
Tgt Ion: 83 Resp: 86943

Ion Ratio Lower Upper

83 100

85 64.6 44.7 83.1

131 9.7 6.0 9.0#



#59

Bromoform

Concen: 5.139 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.003 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

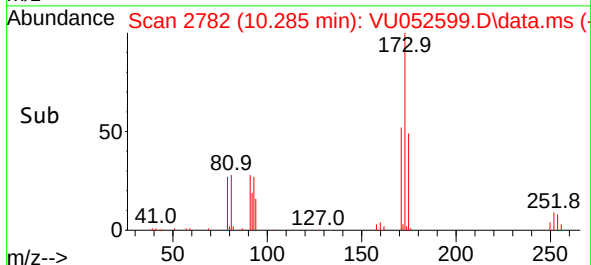
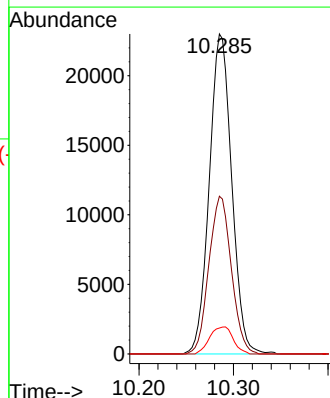
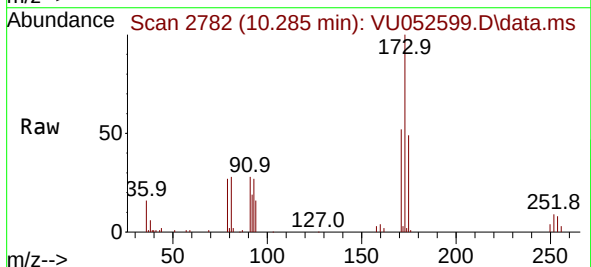
Tgt Ion: 173 Resp: 37854

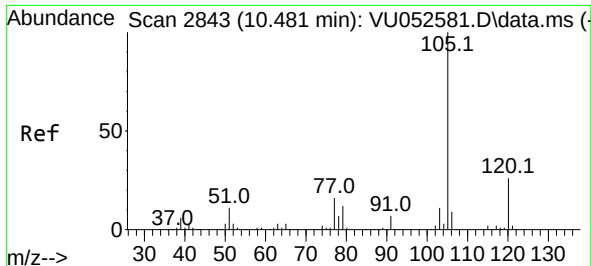
Ion Ratio Lower Upper

173 100

175 49.4 38.9 58.3

254 8.9 7.0 10.6

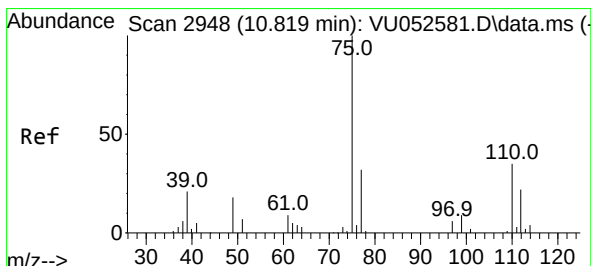
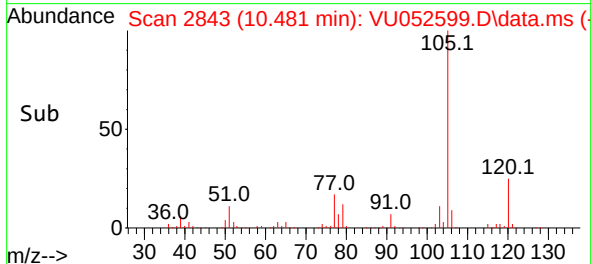
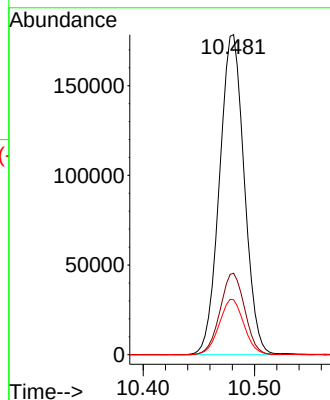
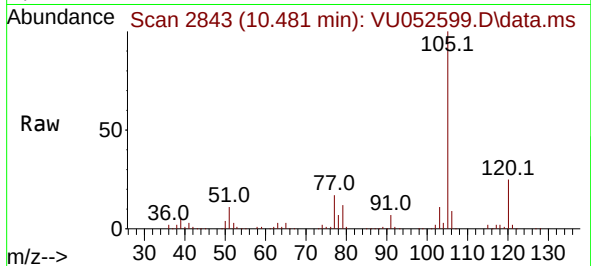




#60
Isopropylbenzene
Concen: 5.073 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

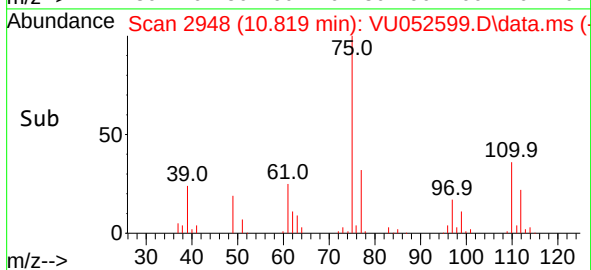
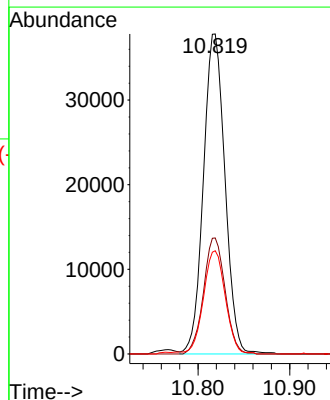
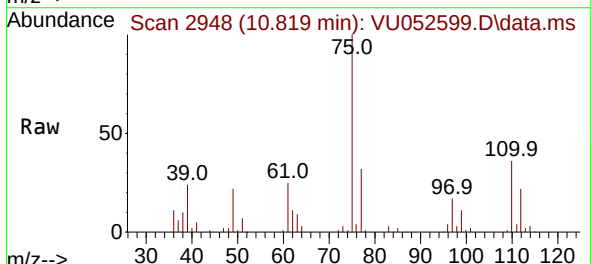
Instrument :
MSVOA_U
ClientSampleId :
H0AA1MS

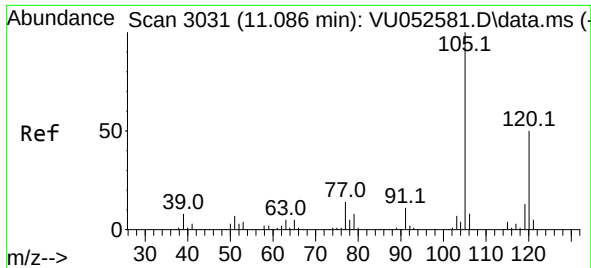
Tgt Ion:105 Resp: 275662
Ion Ratio Lower Upper
105 100
120 25.3 20.6 31.0
77 17.3 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 5.149 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

Tgt Ion: 75 Resp: 61915
Ion Ratio Lower Upper
75 100
110 36.2 27.9 41.9
77 32.9 25.9 38.9

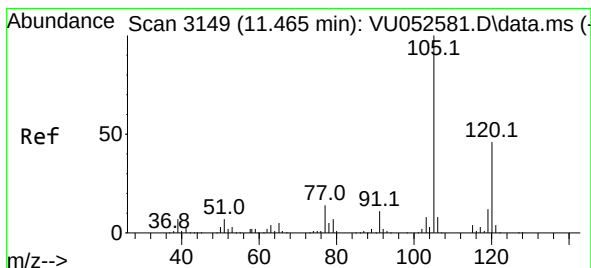
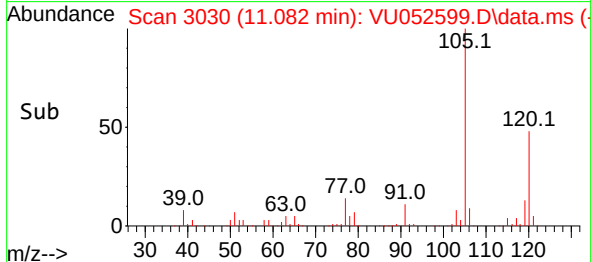
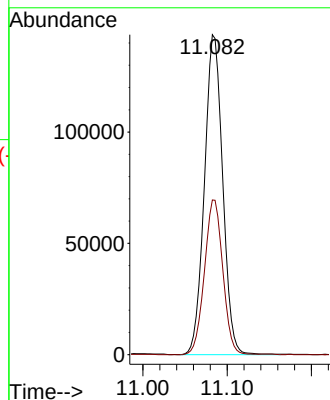
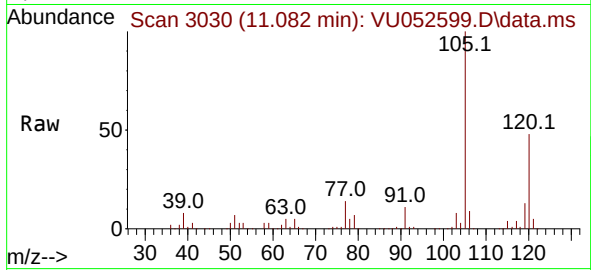




#62
 1,3,5-Trimethylbenzene
 Concen: 4.849 ug/L
 RT: 11.082 min Scan# 3030
 Delta R.T. -0.003 min
 Lab File: VU052599.D
 Acq: 28 Dec 2022 19:50

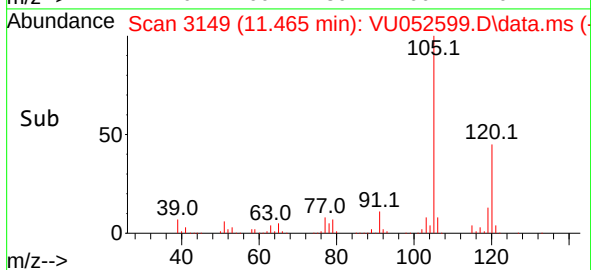
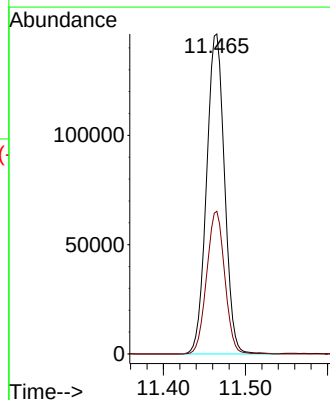
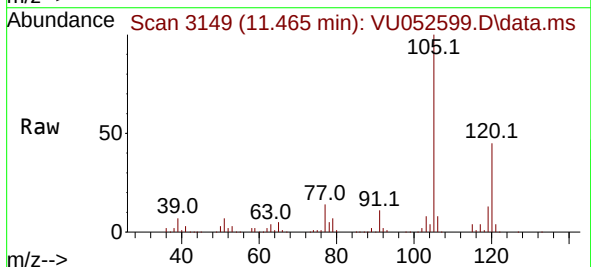
Instrument :
 MSVOA_U
 ClientSampleId :
 H0AA1MS

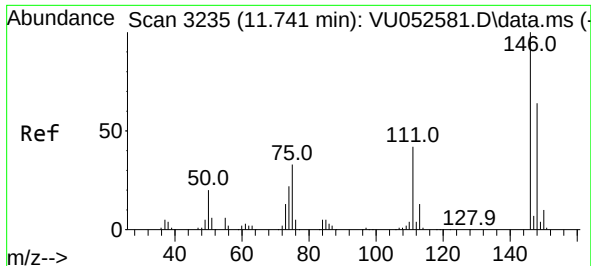
Tgt Ion:105 Resp: 217293
 Ion Ratio Lower Upper
 105 100
 120 48.6 38.6 57.8



#63
 1,2,4-Trimethylbenzene
 Concen: 4.942 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.000 min
 Lab File: VU052599.D
 Acq: 28 Dec 2022 19:50

Tgt Ion:105 Resp: 222944
 Ion Ratio Lower Upper
 105 100
 120 44.8 35.6 53.4

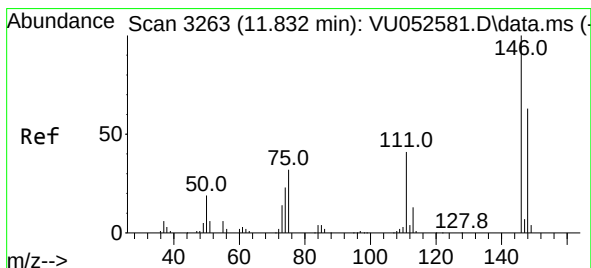
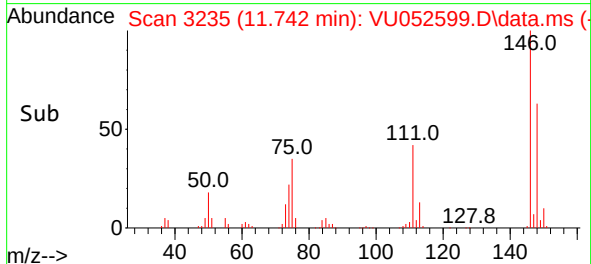
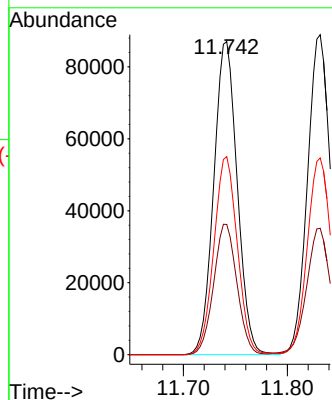
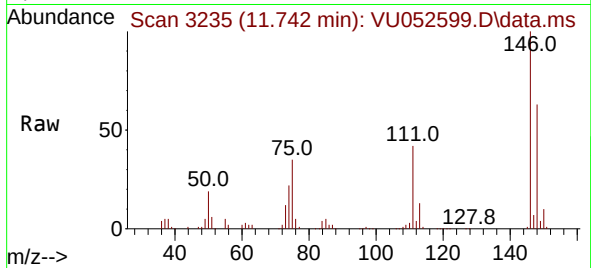




#64
1,3-Dichlorobenzene
Concen: 5.082 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

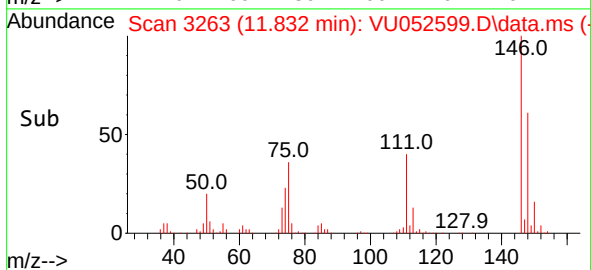
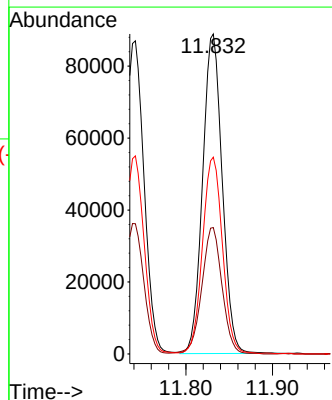
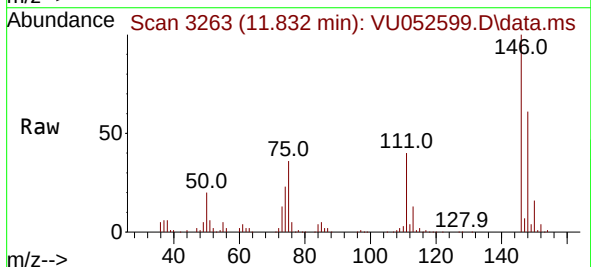
Instrument :
MSVOA_U
ClientSampleId :
H0AA1MS

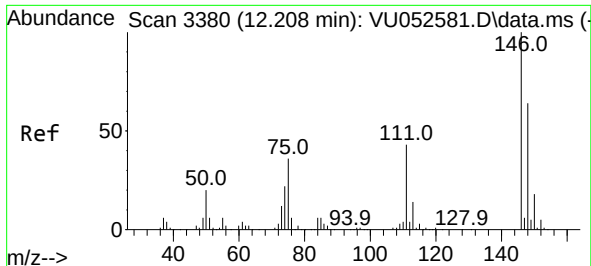
Tgt Ion:146 Resp: 137000
Ion Ratio Lower Upper
146 100
111 41.6 29.9 55.5
148 63.3 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 5.004 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

Tgt Ion:146 Resp: 139512
Ion Ratio Lower Upper
146 100
111 39.5 27.5 51.1
148 61.5 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 4.998 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

H0AA1MS

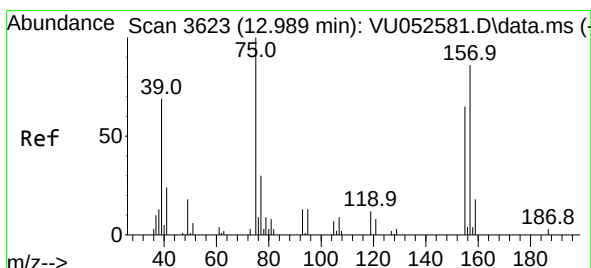
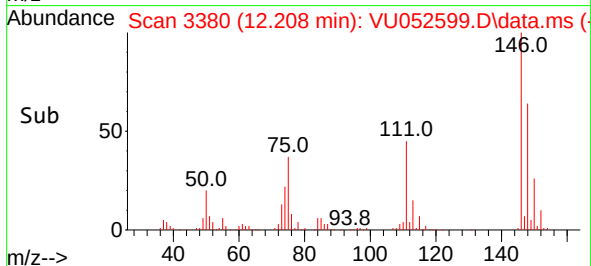
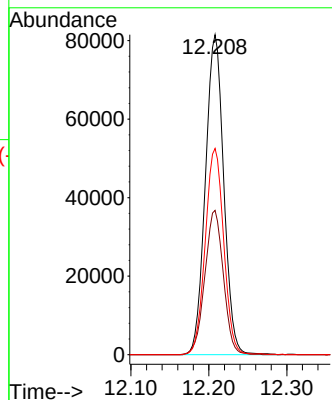
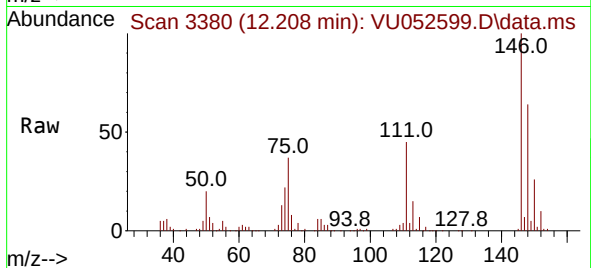
Tgt Ion:146 Resp: 133135

Ion Ratio Lower Upper

146 100

111 45.1 36.6 55.0

148 64.4 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.304 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. 0.000 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

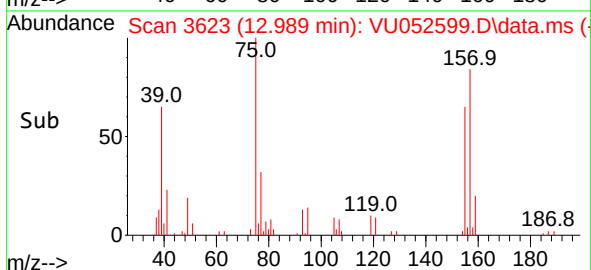
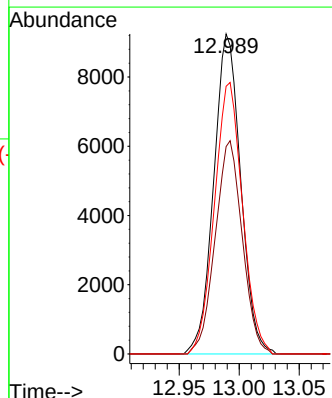
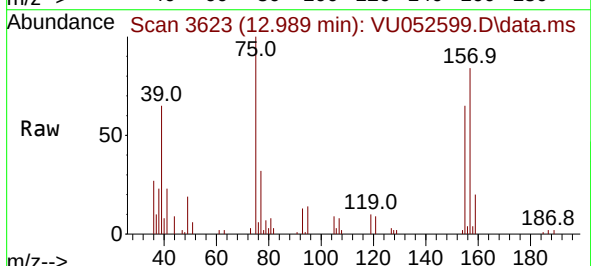
Tgt Ion: 75 Resp: 14437

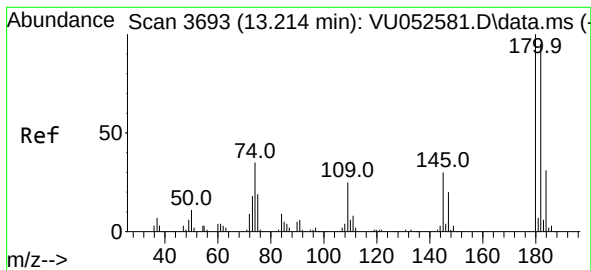
Ion Ratio Lower Upper

75 100

155 64.8 62.2 93.2

157 83.6 73.0 109.4





#69

1,3,5-Trichlorobenzene

Concen: 4.703 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

Instrument :

MSVOA_U

ClientSampleId :

H0AA1MS

Tgt Ion:180 Resp: 93355

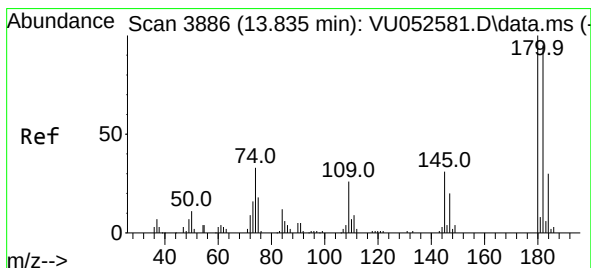
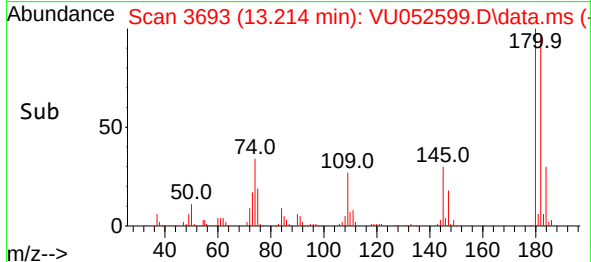
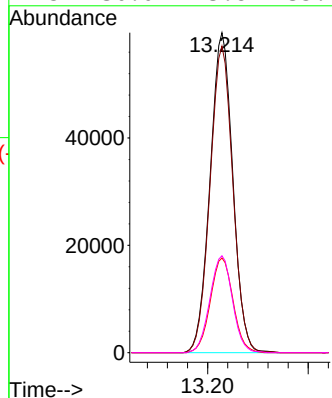
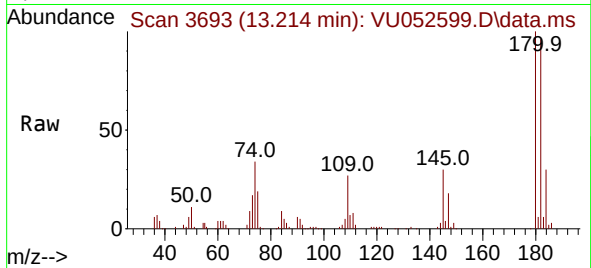
Ion Ratio Lower Upper

180 100

182 96.3 75.8 113.8

184 29.6 23.4 35.0

145 30.0 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 4.668 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU052599.D

Acq: 28 Dec 2022 19:50

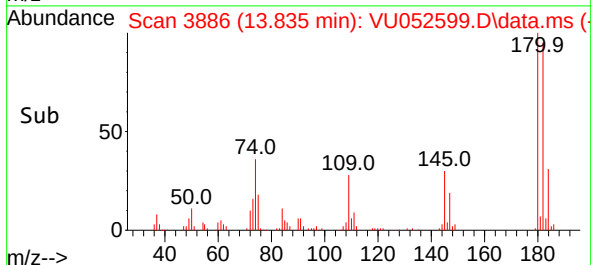
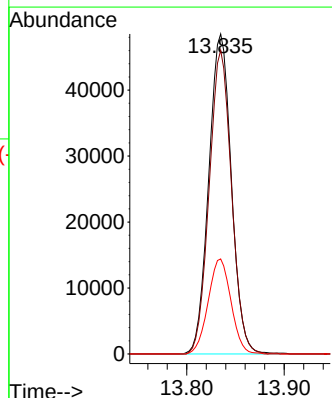
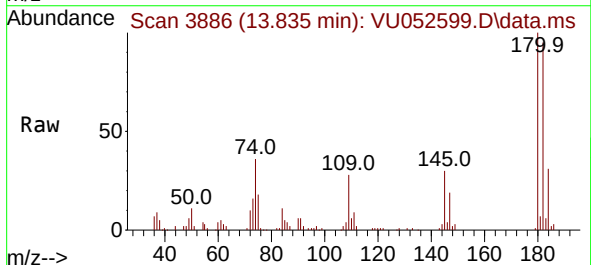
Tgt Ion:180 Resp: 77981

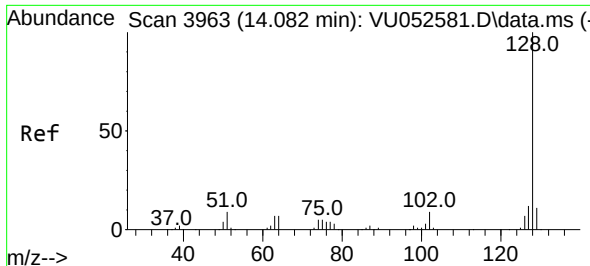
Ion Ratio Lower Upper

180 100

182 93.6 77.7 116.5

145 30.0 24.0 36.0

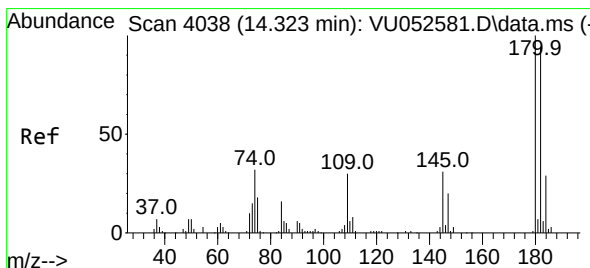
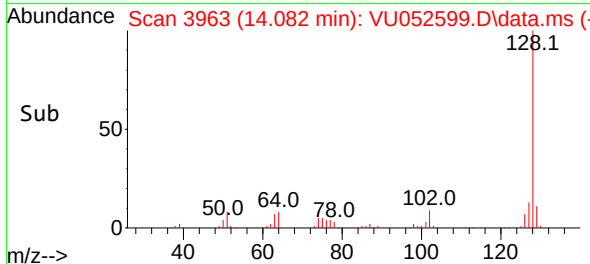
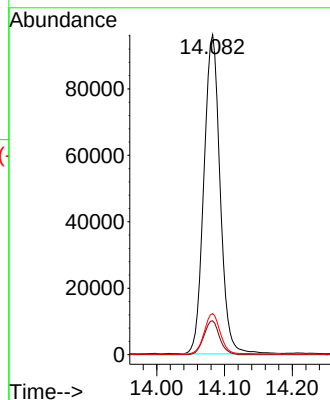
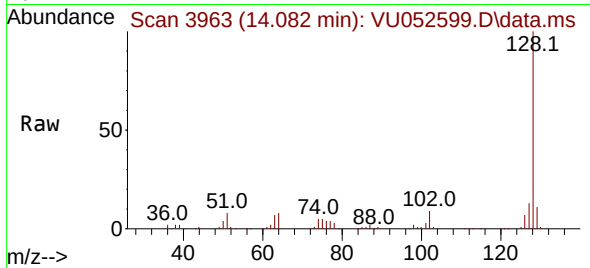




#71
Naphthalene
Concen: 4.726 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

Instrument :
MSVOA_U
ClientSampleId :
H0AA1MS

Tgt Ion:128 Resp: 159727
Ion Ratio Lower Upper
128 100
129 10.2 8.7 13.1
127 12.7 10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.719 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU052599.D
Acq: 28 Dec 2022 19:50

Tgt Ion:180 Resp: 79005
Ion Ratio Lower Upper
180 100
182 92.7 76.3 114.5
145 32.6 25.8 38.8

