

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122923\
 Data File : VU057359.D
 Acq On : 29 Dec 2023 09:19
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 29 22:57:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 28 21:37:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	247691	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	244208	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	112321	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	86583	4.066	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.400%
7) Chloroethane-d5	1.914	69	80074	4.682	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.600%
11) 1,1-Dichloroethene-d2	2.563	65	36203	4.272	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.400%
20) 2-Butanone-d5	4.640	46	207812	43.090	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.180%
24) Chloroform-d	5.058	84	175853	4.644	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	5.698	65	84369	4.360	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
32) Benzene-d6	5.721	84	315896	4.538	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
36) 1,2-Dichloropropane-d6	6.685	67	101760	4.665	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.200%
41) Toluene-d8	7.894	98	272225	4.533	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	8.177	79	36035	4.117	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.631	63	154888	39.071	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.140%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	80833	4.412	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	87812	4.293	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	89607	4.984	ug/L	98
3) Chloromethane	1.518	50	103566	5.195	ug/L	97
5) Vinyl chloride	1.602	62	110959	5.367	ug/L	98
6) Bromomethane	1.856	94	56170	5.761	ug/L	96
8) Chloroethane	1.933	64	69447	5.181	ug/L	99
9) Trichlorofluoromethane	2.136	101	157757	5.296	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	90013	4.996	ug/L	97
12) 1,1-Dichloroethene	2.576	96	79983	4.941	ug/L	90
13) Acetone	2.663	43	117836	37.488	ug/L	93
14) Carbon disulfide	2.788	76	217199	4.705	ug/L	99
15) Methyl Acetate	2.959	43	30206	4.220	ug/L	99
16) Methylene chloride	3.042	84	97070	4.646	ug/L	99
17) Methyl tert-butyl Ether	3.358	73	182844	4.474	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	80503	5.011	ug/L	94
19) 1,1-Dichloroethane	3.862	63	172499	5.110	ug/L	95
21) 2-Butanone	4.724	43	196178	43.698	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	87642	4.720	ug/L	96
23) Bromochloromethane	4.968	128	40777	4.912	ug/L	99
25) Chloroform	5.081	83	181744	5.104	ug/L	99

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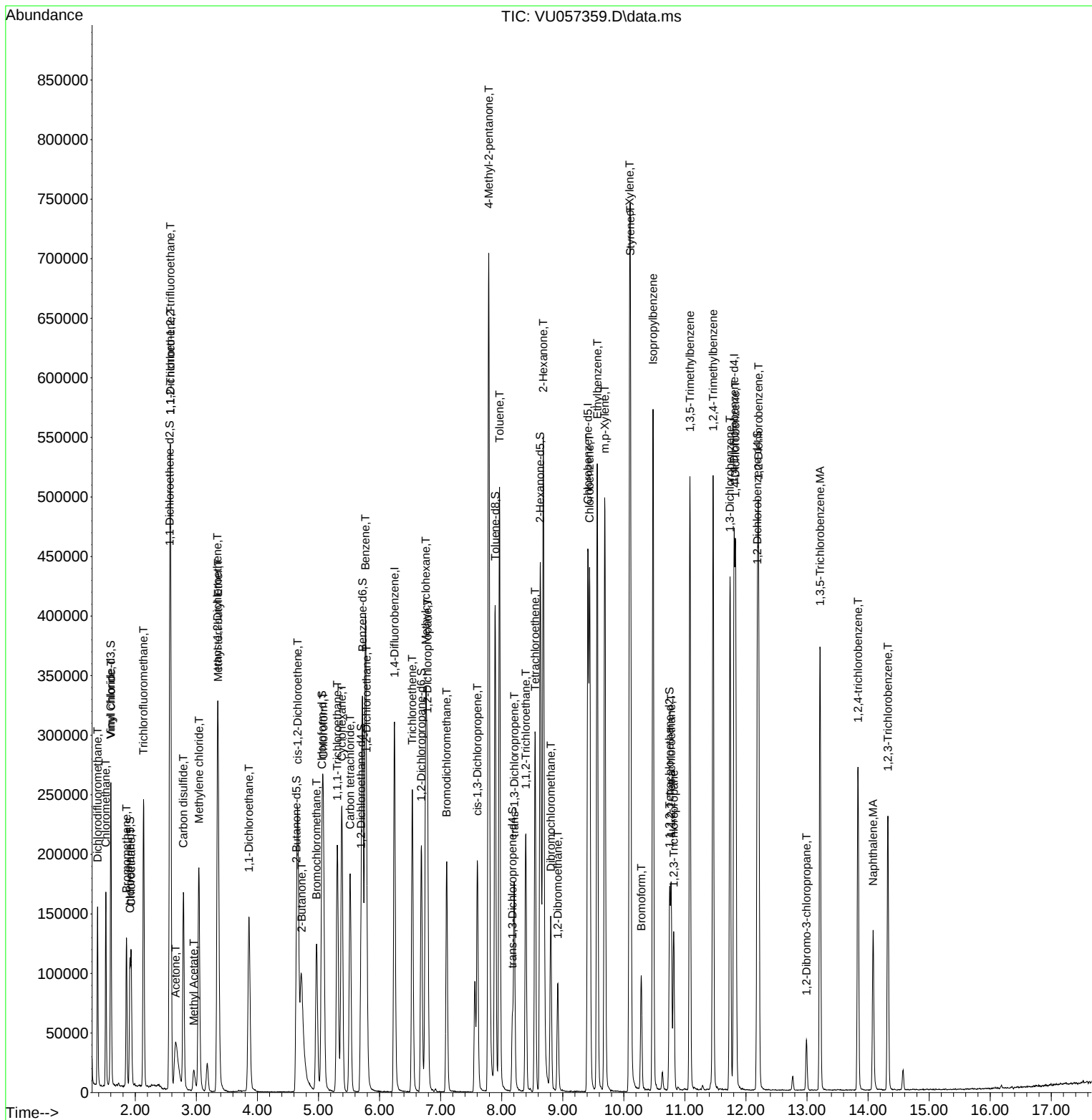
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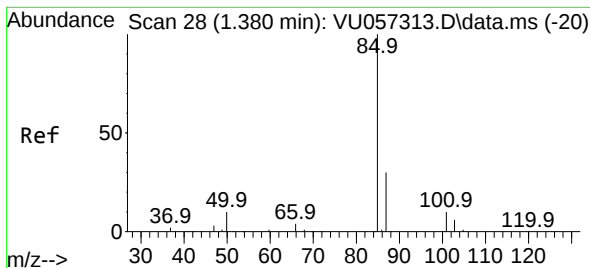
Quant Time: Dec 29 22:57:02 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	102544	4.595	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	155542	5.029	ug/L	99
30) Cyclohexane	5.383	56	110538	4.791	ug/L	98
31) Carbon tetrachloride	5.518	117	129273	4.982	ug/L	100
33) Benzene	5.769	78	356277	5.065	ug/L	100
34) Trichloroethene	6.537	95	92995	4.960	ug/L	95
35) Methylcyclohexane	6.759	83	113616	4.640	ug/L	99
37) 1,2-Dichloropropane	6.785	63	99054	5.060	ug/L	99
38) Bromodichloromethane	7.100	83	128347	5.083	ug/L	95
39) cis-1,3-Dichloropropene	7.602	75	120878	4.517	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	471215	47.249	ug/L	98
42) Toluene	7.965	91	369857	4.883	ug/L	97
44) trans-1,3-Dichloropropene	8.206	75	104892	4.495	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	69636	4.884	ug/L	99
47) Tetrachloroethene	8.550	164	61758	4.662	ug/L	98
48) 2-Hexanone	8.682	43	348668	47.418	ug/L	99
49) Dibromochloromethane	8.804	129	77651	4.783	ug/L	100
50) 1,2-Dibromoethane	8.920	107	59346	4.638	ug/L #	99
51) Chlorobenzene	9.441	112	222006	4.822	ug/L	98
52) Ethylbenzene	9.566	91	366615	4.850	ug/L	100
53) m,p-Xylene	9.688	106	138577	4.814	ug/L	98
54) o-Xylene	10.097	106	132716	4.850	ug/L	93
55) Styrene	10.110	104	229783	4.988	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	82406	4.672	ug/L	98
59) Bromoform	10.287	173	42564	4.839	ug/L	98
60) Isopropylbenzene	10.479	105	358151	5.200	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	57499	4.903	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	270191	5.012	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	274949	5.130	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	170176	5.141	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	166195	4.933	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	156852	4.930	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	11484	4.453	ug/L	88
69) 1,3,5-Trichlorobenzene	13.216	180	114063	4.812	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	80290	4.269	ug/L	99
71) Naphthalene	14.084	128	109683	3.731	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	67451	4.114	ug/L	99

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

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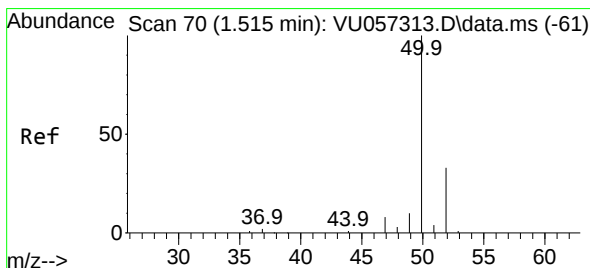
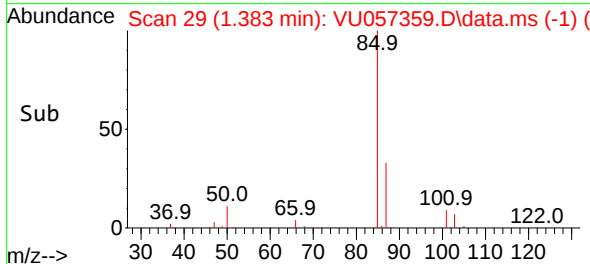
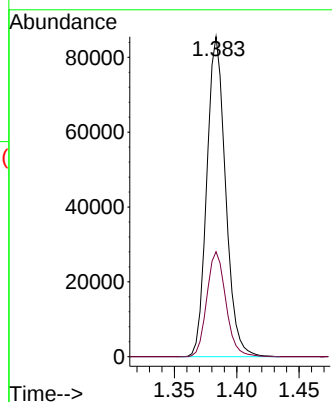
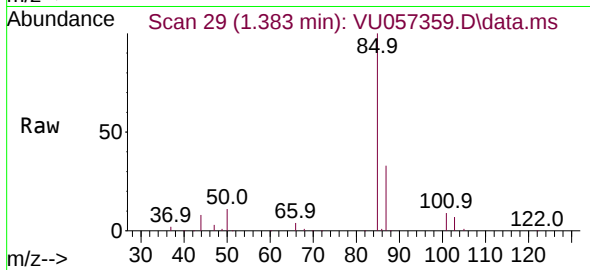




#2
 Dichlorodifluoromethane
 Concen: 4.984 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU057359.D
 Acq: 29 Dec 2023 09:19

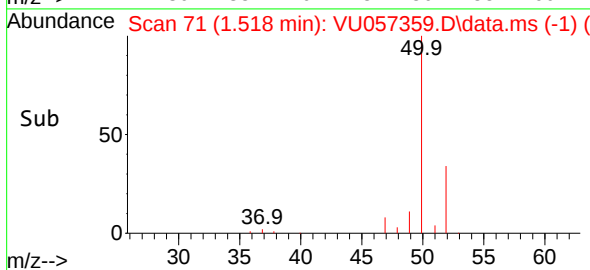
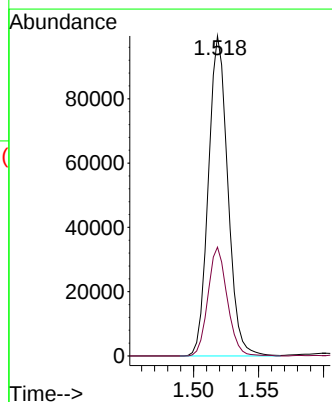
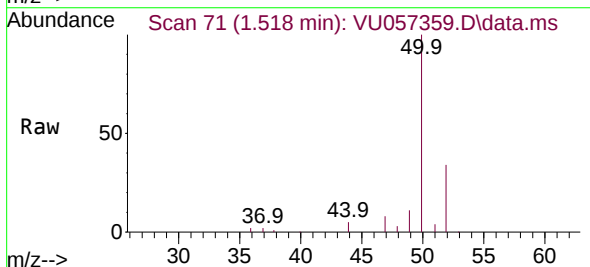
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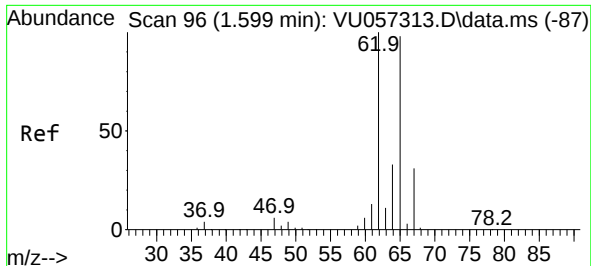
Tgt Ion: 85 Resp: 89607
 Ion Ratio Lower Upper
 85 100
 87 33.3 25.9 38.9



#3
 Chloromethane
 Concen: 5.195 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU057359.D
 Acq: 29 Dec 2023 09:19

Tgt Ion: 50 Resp: 103566
 Ion Ratio Lower Upper
 50 100
 52 34.0 22.5 41.7

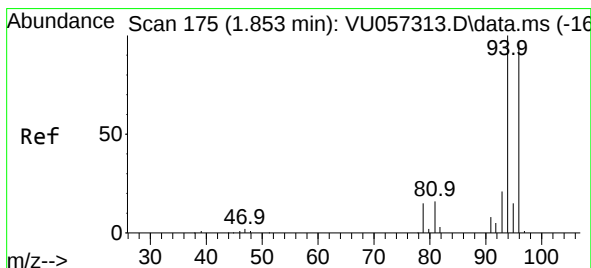
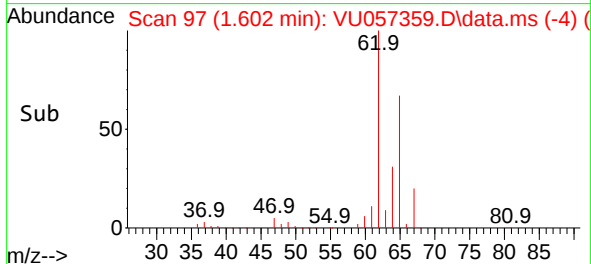
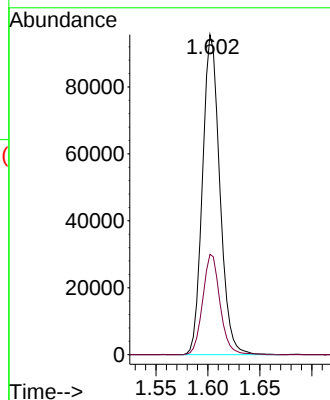
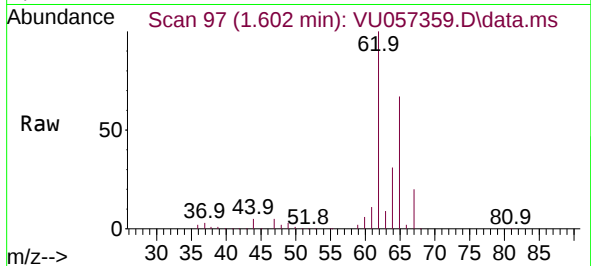




#5
 Vinyl chloride
 Concen: 5.367 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU057359.D
 Acq: 29 Dec 2023 09:19

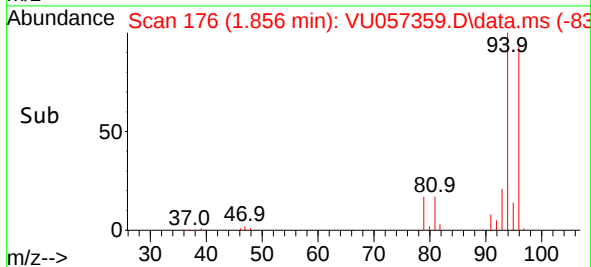
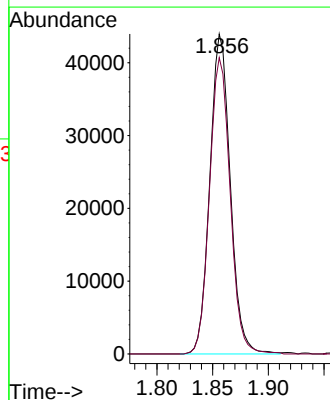
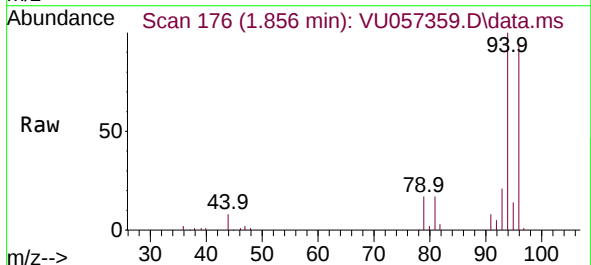
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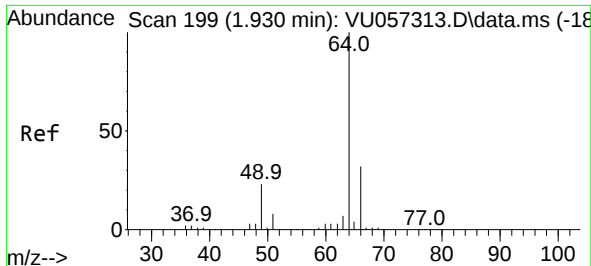
Tgt Ion: 62 Resp: 110959
 Ion Ratio Lower Upper
 62 100
 64 31.3 22.8 42.4



#6
 Bromomethane
 Concen: 5.761 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU057359.D
 Acq: 29 Dec 2023 09:19

Tgt Ion: 94 Resp: 56170
 Ion Ratio Lower Upper
 94 100
 96 92.6 67.3 125.1





#8

Chloroethane

Concen: 5.181 ug/L

RT: 1.933 min Scan# 200

Delta R.T. 0.000 min

Lab File: VU057359.D

Acq: 29 Dec 2023 09:19

Instrument :

MSVOA_U

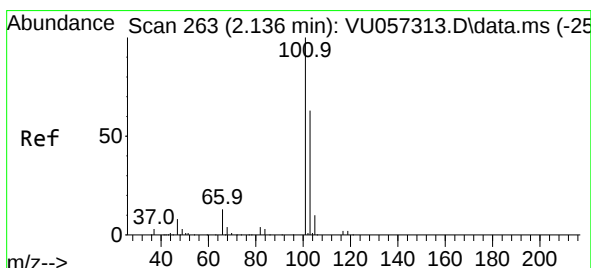
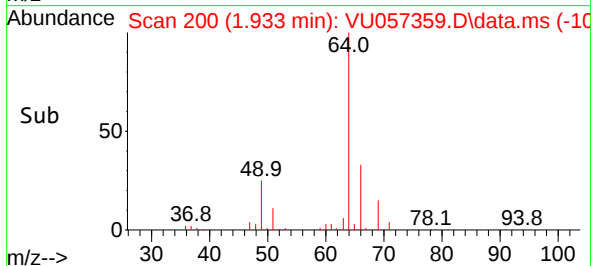
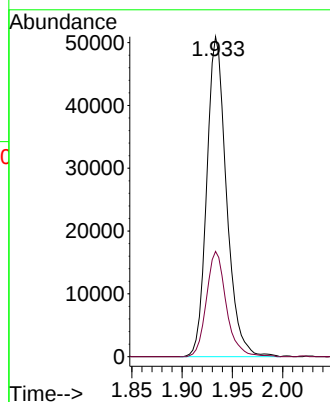
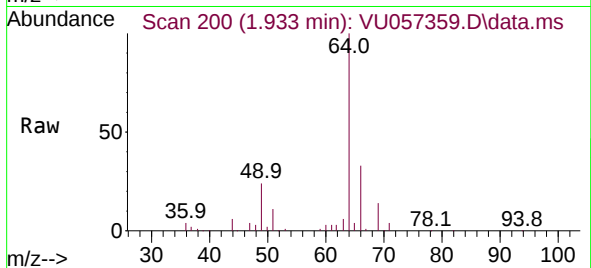
ClientSampleId :

Tgt Ion: 64 Resp: 69447

Ion Ratio Lower Upper

64 100

66 32.9 23.3 43.3



#9

Trichlorofluoromethane

Concen: 5.296 ug/L

RT: 2.136 min Scan# 263

Delta R.T. 0.003 min

Lab File: VU057359.D

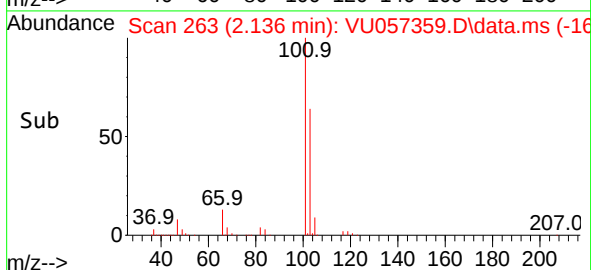
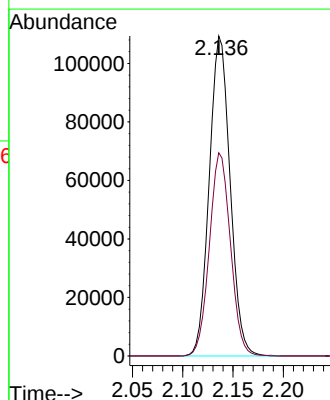
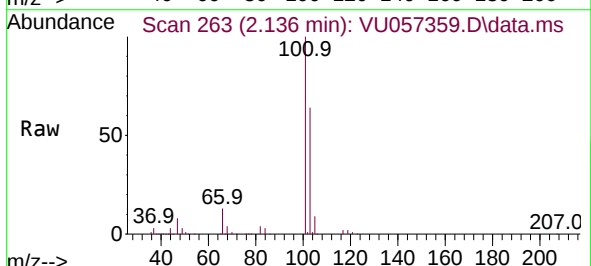
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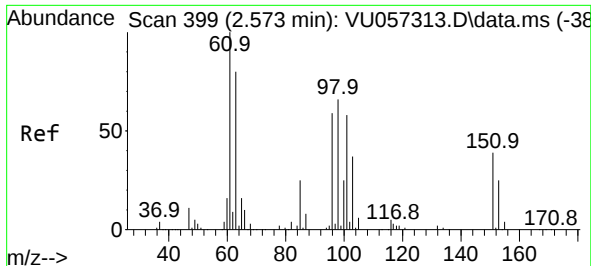
Tgt Ion:101 Resp: 157757

Ion Ratio Lower Upper

101 100

103 64.1 52.2 78.2

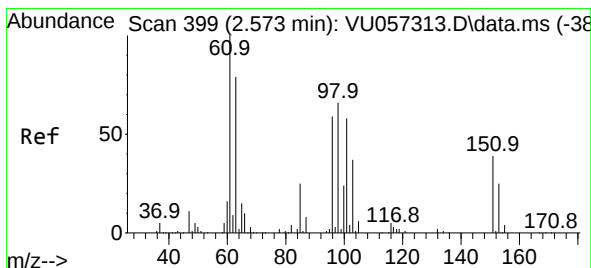
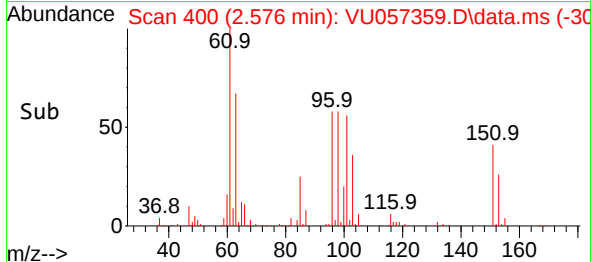
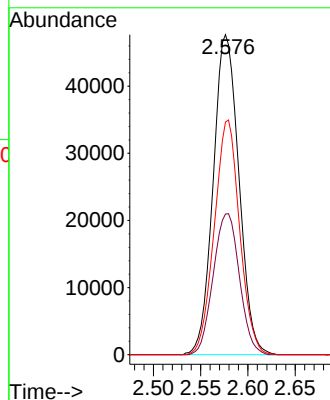
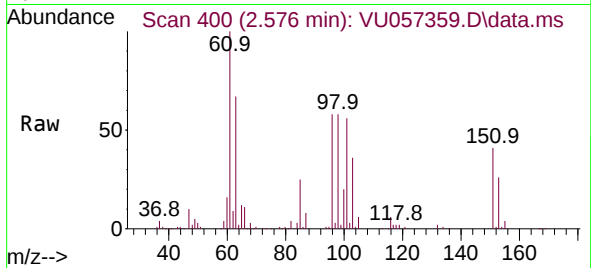




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.996 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057359.D
 Acq: 29 Dec 2023 09:19

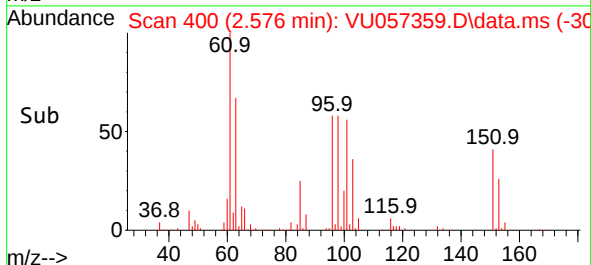
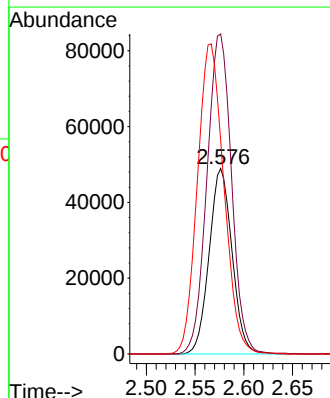
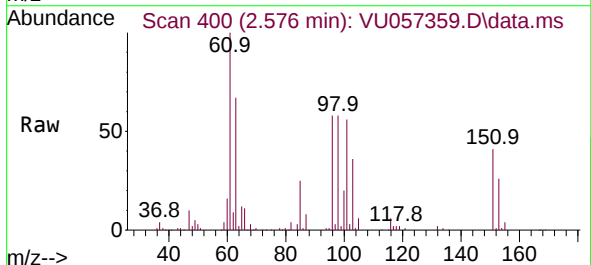
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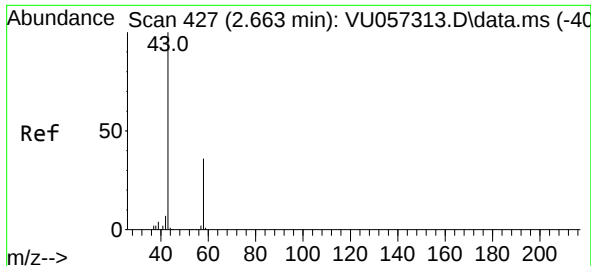
Tgt Ion:101 Resp: 90013
 Ion Ratio Lower Upper
 101 100
 85 44.9 35.1 52.7
 151 72.4 55.8 83.6



#12
 1,1-Dichloroethene
 Concen: 4.941 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057359.D
 Acq: 29 Dec 2023 09:19

Tgt Ion: 96 Resp: 79983
 Ion Ratio Lower Upper
 96 100
 61 172.6 122.2 226.9
 63 115.2 99.2 184.2





#13

Acetone

Concen: 37.488 ug/L

RT: 2.663 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU057359.D

Acq: 29 Dec 2023 09:19

Instrument :

MSVOA_U

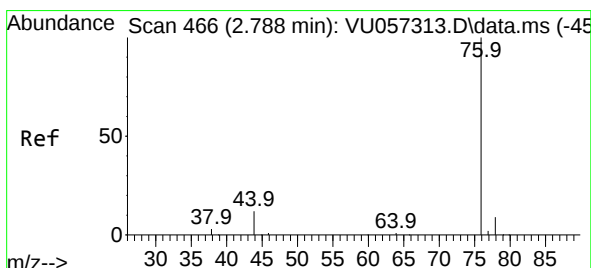
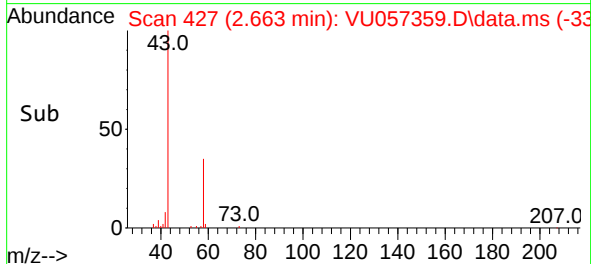
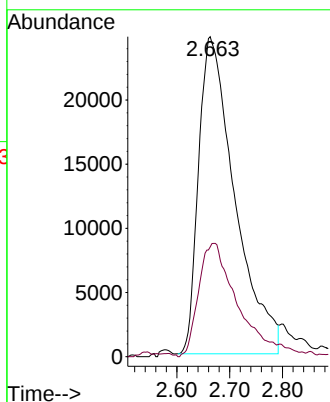
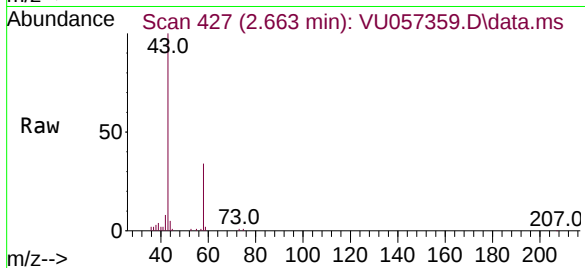
ClientSampleId :

Tgt Ion: 43 Resp: 117836

Ion Ratio Lower Upper

43 100

58 37.4 0.0 67.2



#14

Carbon disulfide

Concen: 4.705 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU057359.D

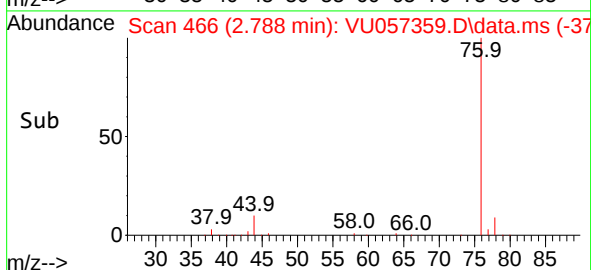
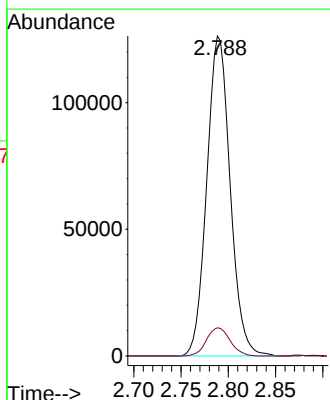
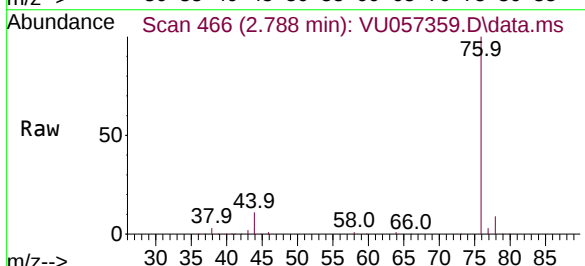
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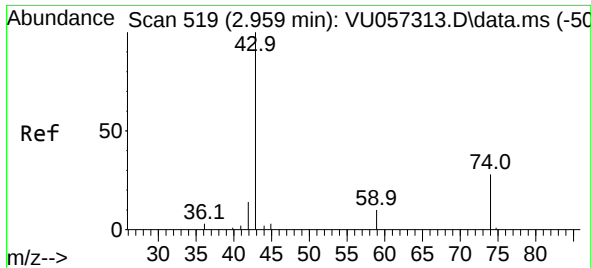
Tgt Ion: 76 Resp: 217199

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

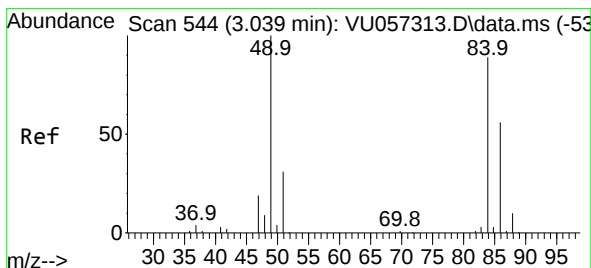
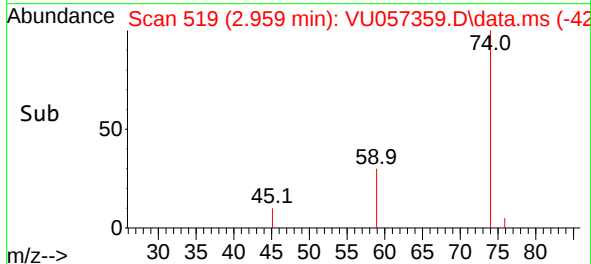
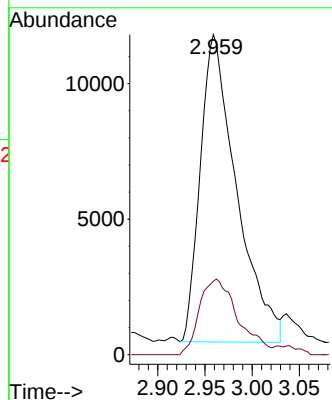
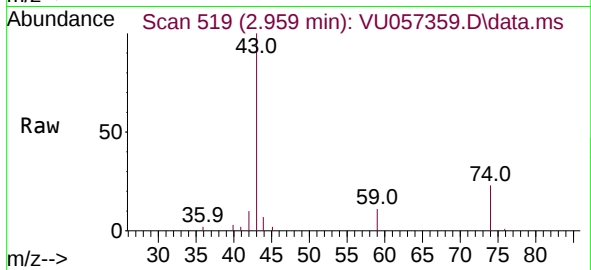




#15
Methyl Acetate
Concen: 4.220 ug/L
RT: 2.959 min Scan# 519
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

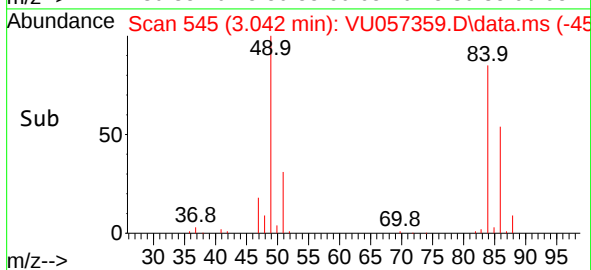
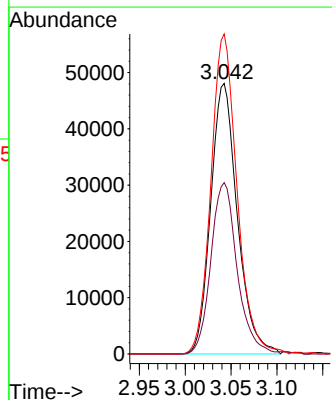
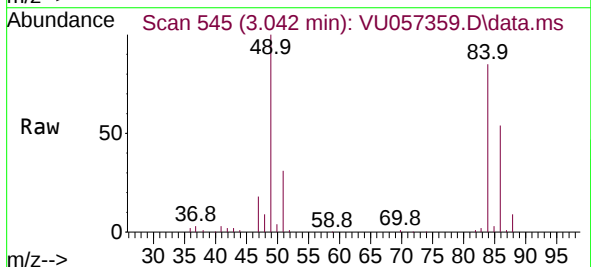
Instrument :
MSVOA_U
ClientSampleId :

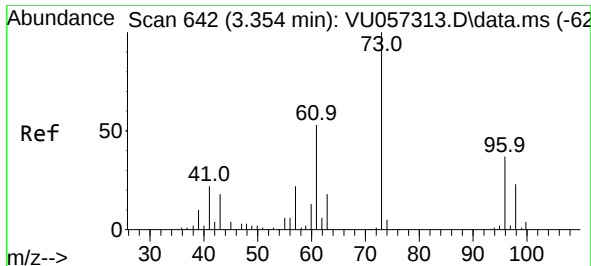
Tgt Ion: 43 Resp: 30206
Ion Ratio Lower Upper
43 100
74 26.2 20.5 30.7



#16
Methylene chloride
Concen: 4.646 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

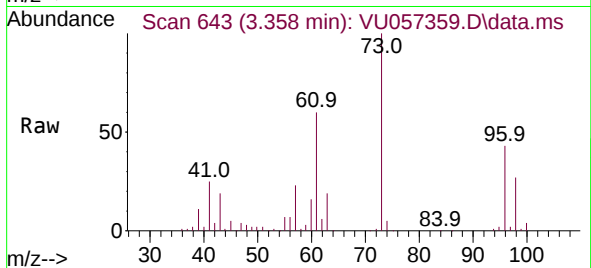
Tgt Ion: 84 Resp: 97070
Ion Ratio Lower Upper
84 100
86 63.4 43.8 81.3
49 118.3 83.2 154.4





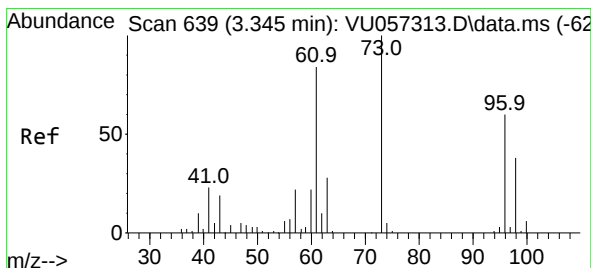
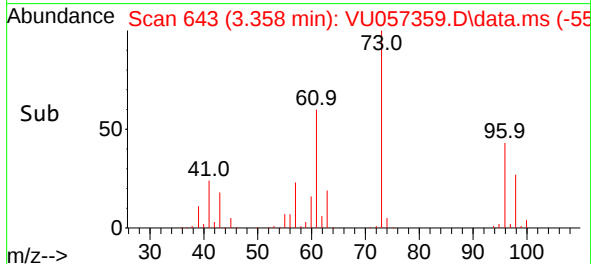
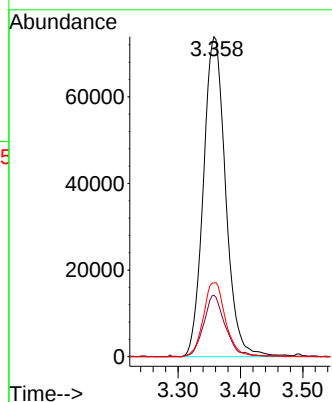
#17
Methyl tert-butyl Ether
Concen: 4.474 ug/L
RT: 3.358 min Scan# 64
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 73 Resp: 182844

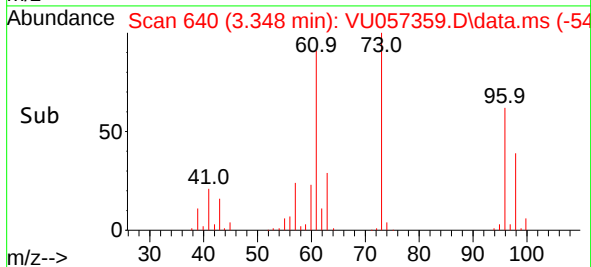
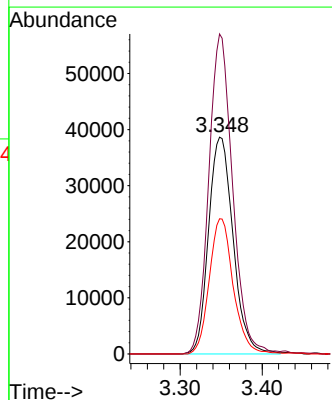
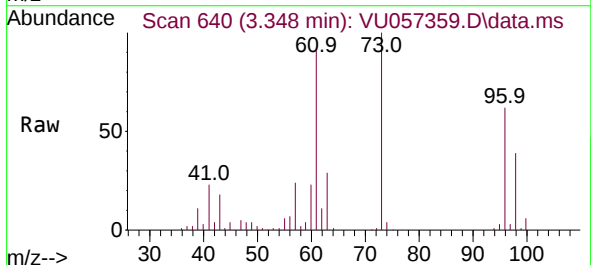
Ion	Ratio	Lower	Upper
73	100		
43	18.9	15.2	22.8
57	23.1	17.8	26.8

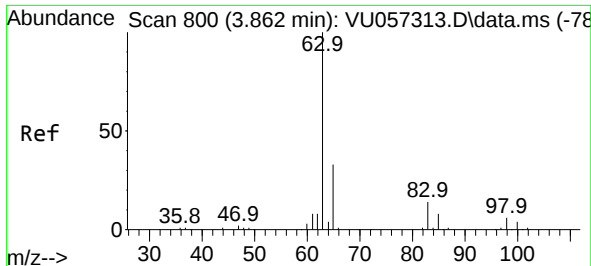


#18
trans-1,2-Dichloroethene
Concen: 5.011 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

Tgt Ion: 96 Resp: 80503

Ion	Ratio	Lower	Upper
96	100		
61	147.6	97.5	181.1
98	62.4	45.9	85.3





#19

1,1-Dichloroethane

Concen: 5.110 ug/L

RT: 3.862 min Scan# 800

Delta R.T. 0.000 min

Lab File: VU057359.D

Acq: 29 Dec 2023 09:19

Instrument :

MSVOA_U

ClientSampleId :

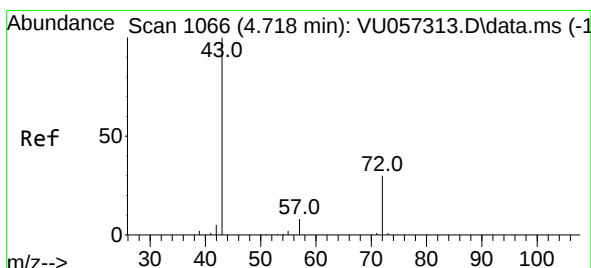
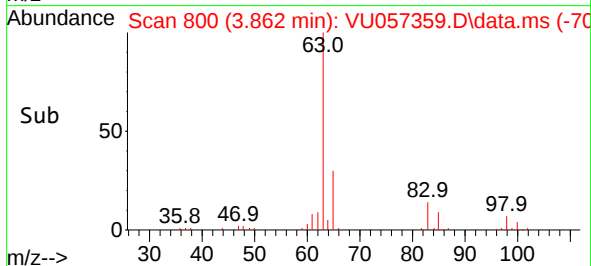
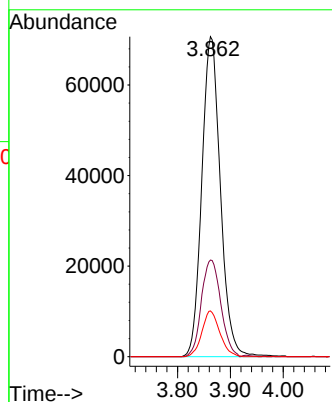
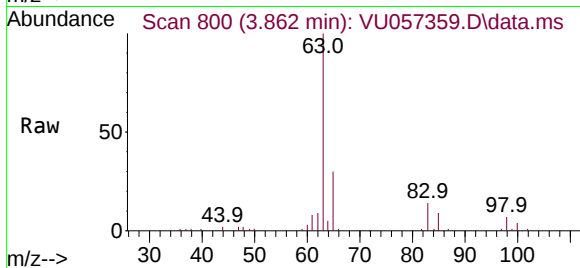
Tgt Ion: 63 Resp: 172499

Ion Ratio Lower Upper

63 100

65 30.2 23.6 43.8

83 14.3 9.8 18.2



#21

2-Butanone

Concen: 43.698 ug/L

RT: 4.724 min Scan# 1068

Delta R.T. 0.010 min

Lab File: VU057359.D

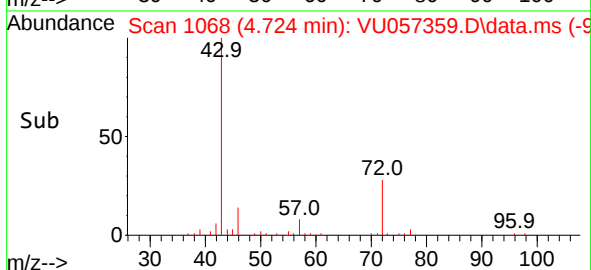
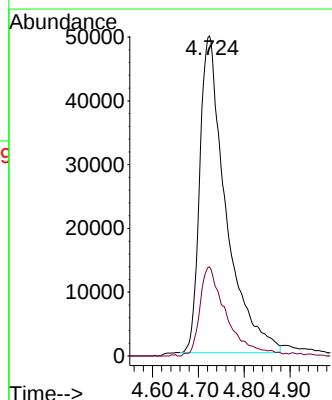
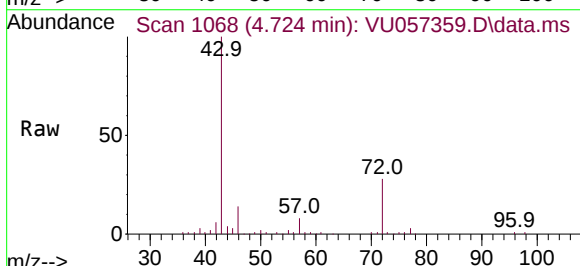
Acq: 29 Dec 2023 09:19

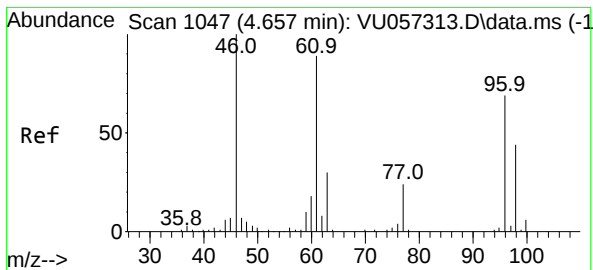
Tgt Ion: 43 Resp: 196178

Ion Ratio Lower Upper

43 100

72 28.2 14.3 42.9





#22

cis-1,2-Dichloroethene

Concen: 4.720 ug/L

RT: 4.660 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU057359.D

Acq: 29 Dec 2023 09:19

Instrument :

MSVOA_U

ClientSampleId :

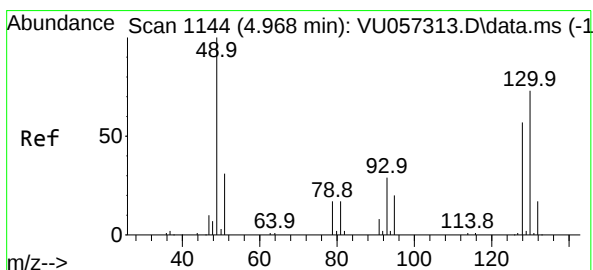
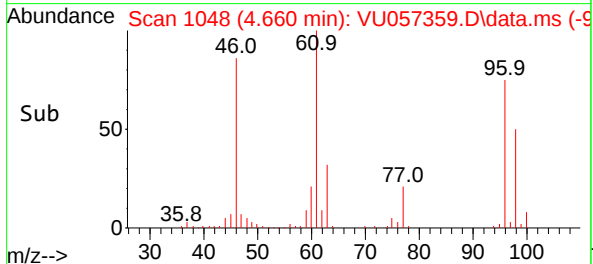
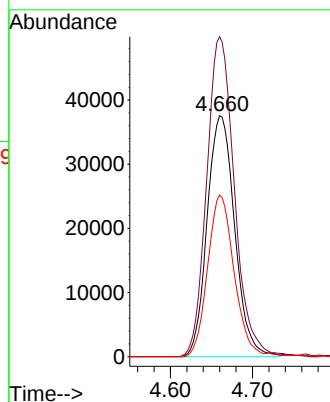
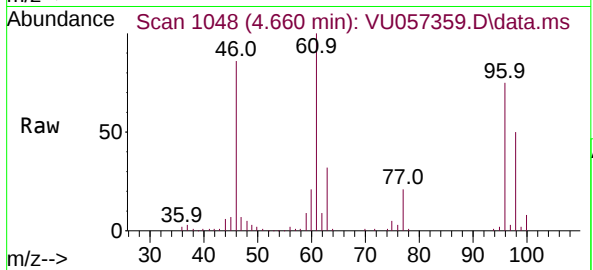
Tgt Ion: 96 Resp: 87642

Ion Ratio Lower Upper

96 100

61 132.8 91.1 169.3

98 67.1 42.6 79.0



#23

Bromochloromethane

Concen: 4.912 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. -0.003 min

Lab File: VU057359.D

Acq: 29 Dec 2023 09:19

Tgt Ion: 128 Resp: 40777

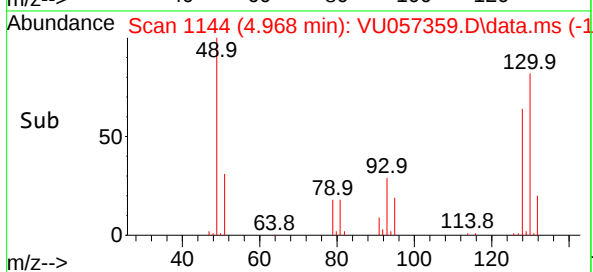
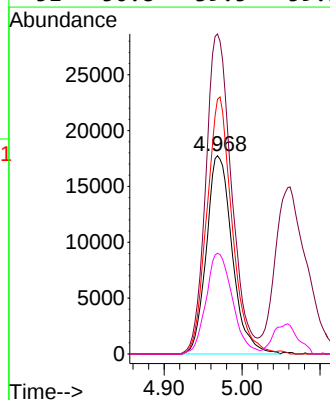
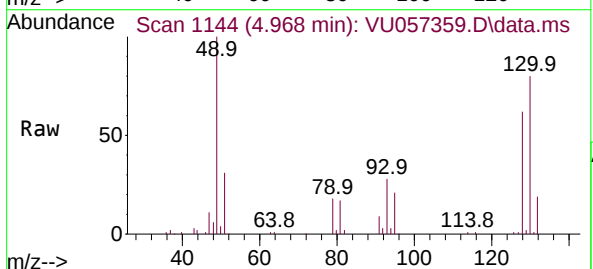
Ion Ratio Lower Upper

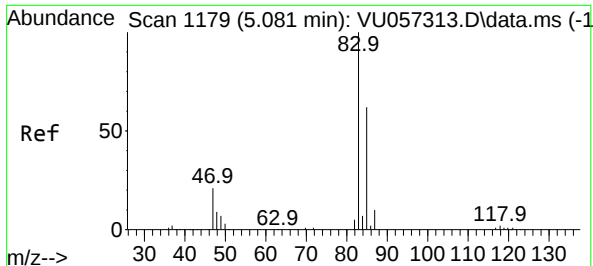
128 100

49 161.5 113.1 210.1

130 128.5 91.6 170.2

51 50.8 39.5 59.3





#25

Chloroform

Concen: 5.104 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU057359.D

Acq: 29 Dec 2023 09:19

Instrument :

MSVOA_U

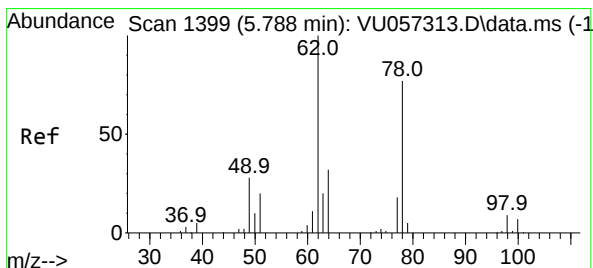
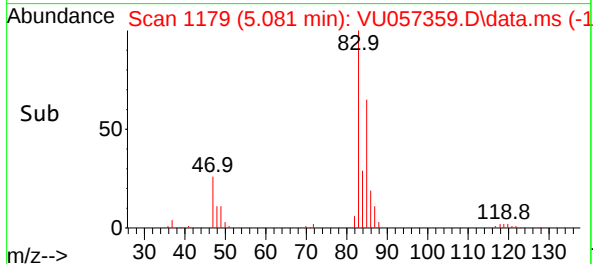
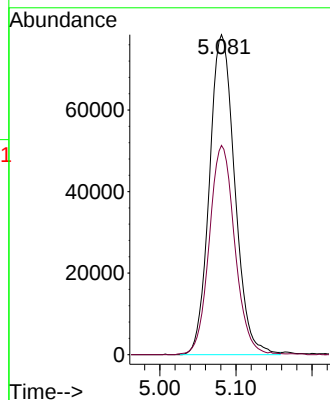
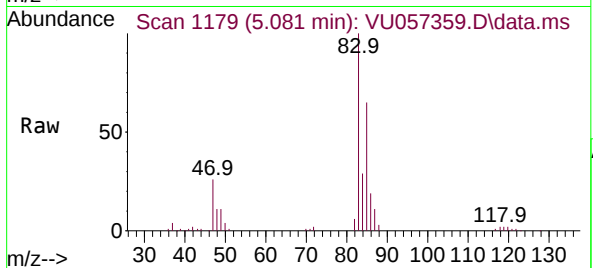
ClientSampleId :

Tgt Ion: 83 Resp: 181744

Ion Ratio Lower Upper

83 100

85 65.4 45.1 83.7



#27

1,2-Dichloroethane

Concen: 4.595 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU057359.D

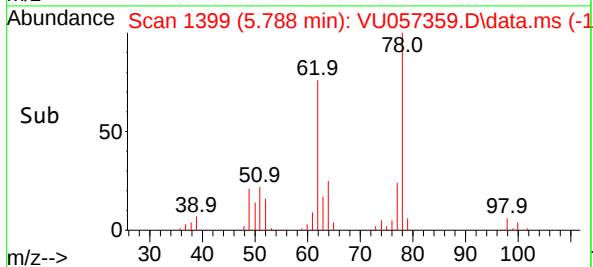
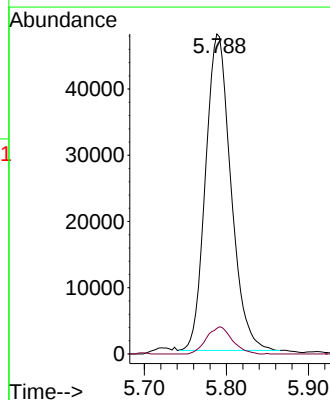
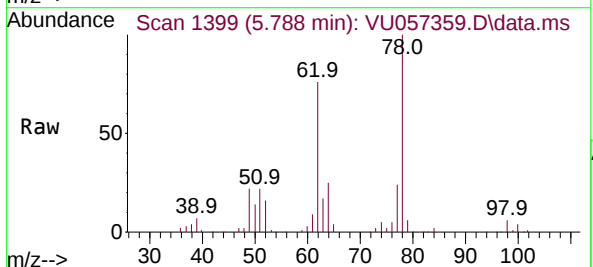
Acq: 29 Dec 2023 09:19

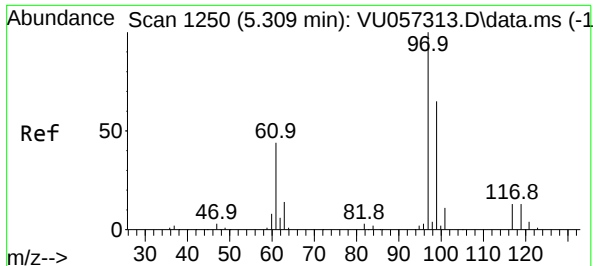
Tgt Ion: 62 Resp: 102544

Ion Ratio Lower Upper

62 100

98 8.0 7.0 10.6

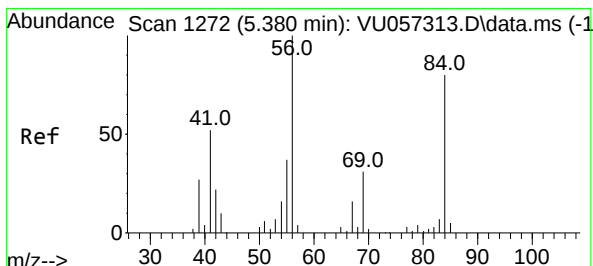
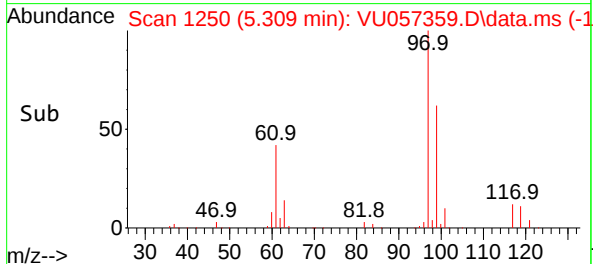
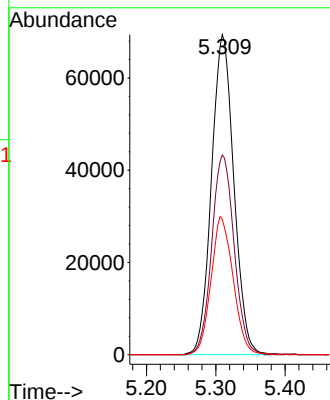
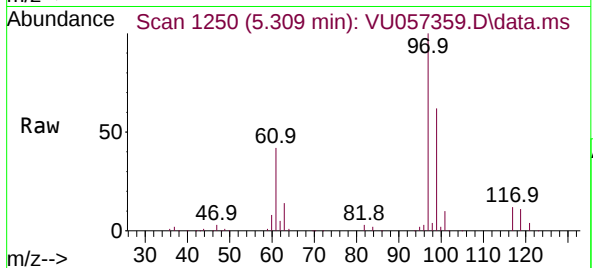




#29
1,1,1-Trichloroethane
Concen: 5.029 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

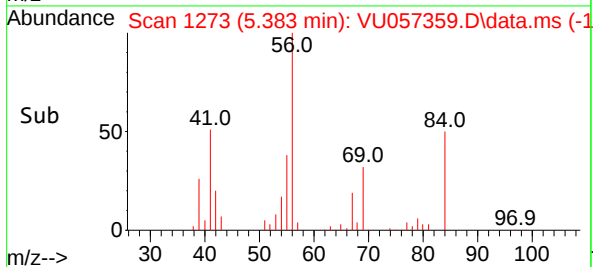
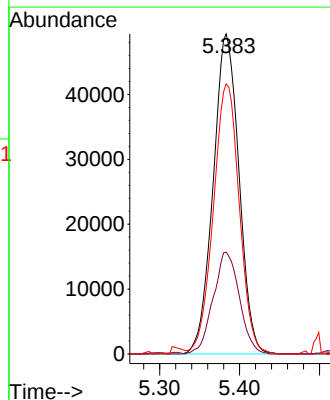
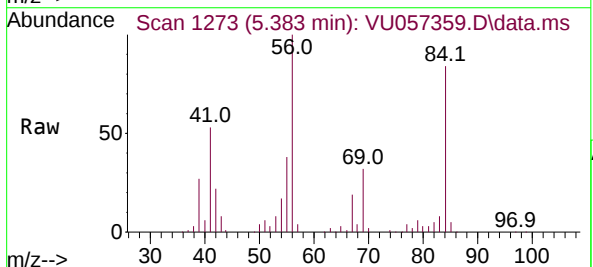
Instrument :
MSVOA_U
ClientSampleId :

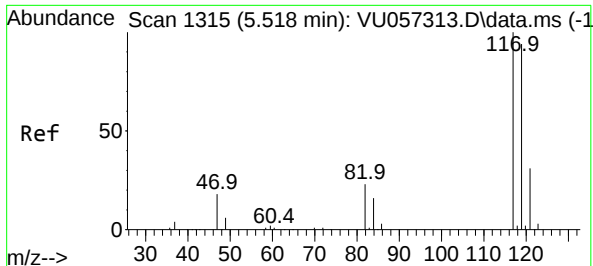
Tgt Ion: 97 Resp: 155542
Ion Ratio Lower Upper
97 100
99 62.7 51.7 77.5
61 42.7 34.1 51.1



#30
Cyclohexane
Concen: 4.791 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

Tgt Ion: 56 Resp: 110538
Ion Ratio Lower Upper
56 100
69 32.3 26.2 39.4
84 84.8 69.4 104.2

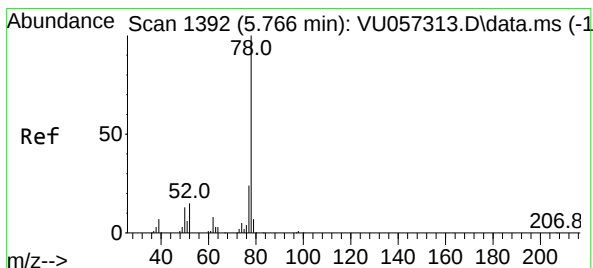
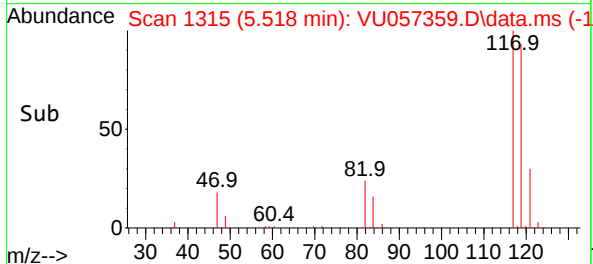
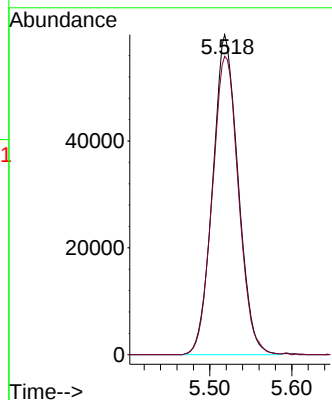
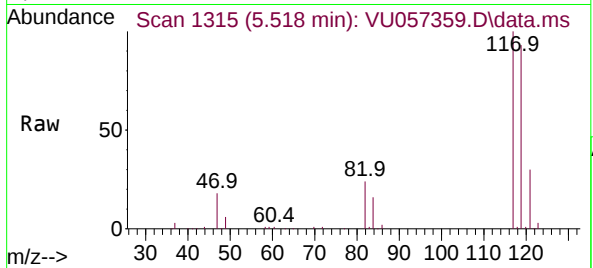




#31
Carbon tetrachloride
Concen: 4.982 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

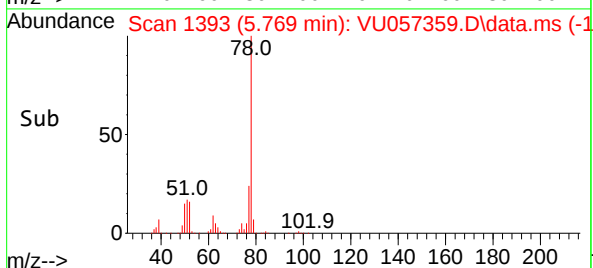
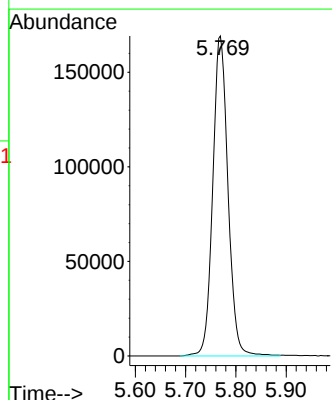
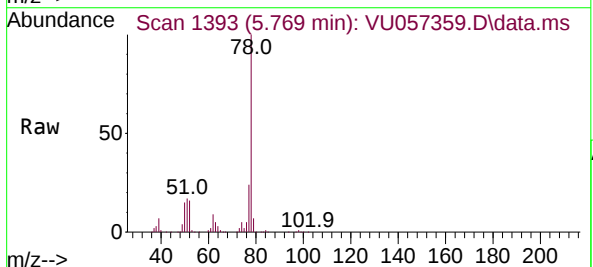
Instrument :
MSVOA_U
ClientSampleId :

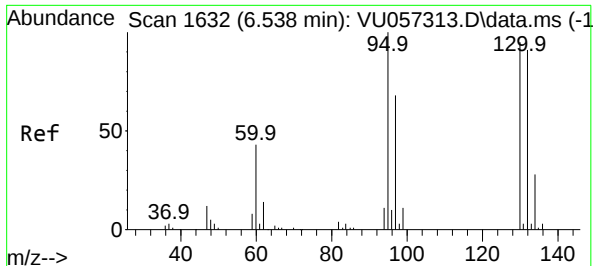
Tgt Ion:117 Resp: 129273
Ion Ratio Lower Upper
117 100
119 96.2 76.7 115.1



#33
Benzene
Concen: 5.065 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

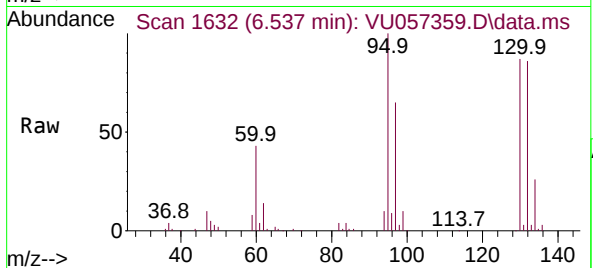
Tgt Ion: 78 Resp: 356277



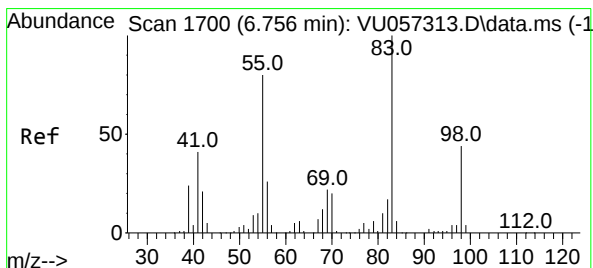
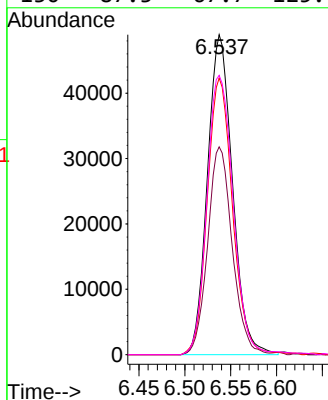
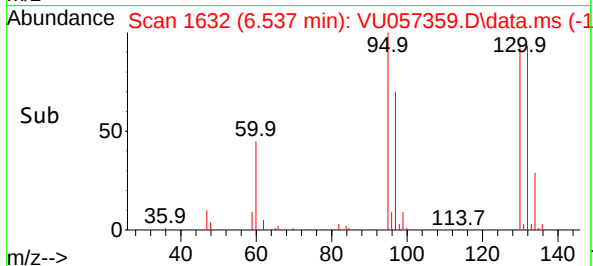


#34
Trichloroethene
Concen: 4.960 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

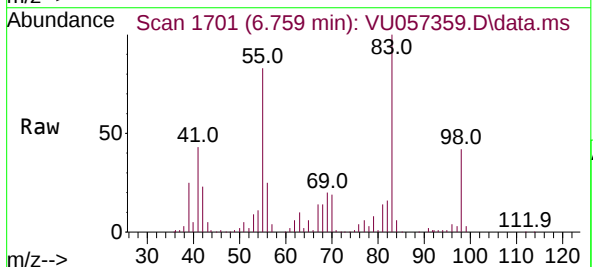
Instrument :
MSVOA_U
ClientSampleId :



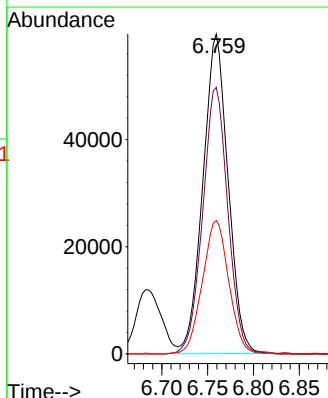
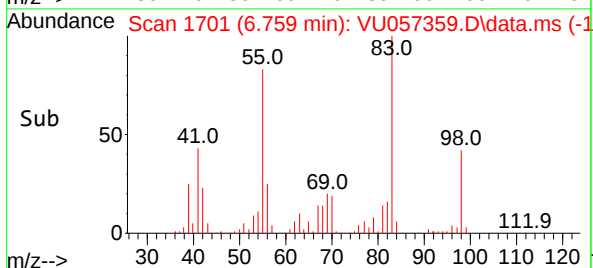
Tgt Ion: 95 Resp: 92995
Ion Ratio Lower Upper
95 100
97 65.0 45.3 84.1
132 86.4 63.1 117.3
130 87.3 67.7 125.7

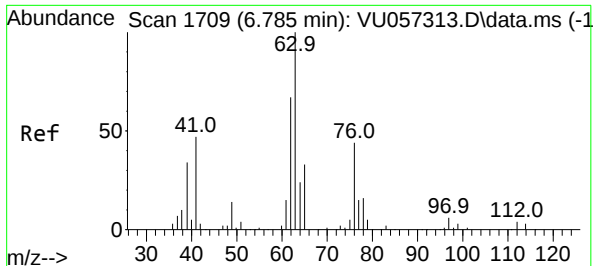


#35
Methylcyclohexane
Concen: 4.640 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19



Tgt Ion: 83 Resp: 113616
Ion Ratio Lower Upper
83 100
55 83.4 65.4 98.2
98 43.7 35.3 52.9





#37

1,2-Dichloropropane

Concen: 5.060 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057359.D

Acq: 29 Dec 2023 09:19

Instrument :

MSVOA_U

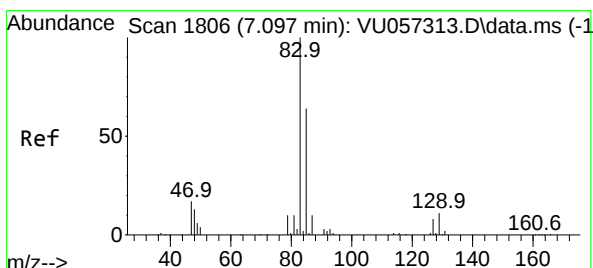
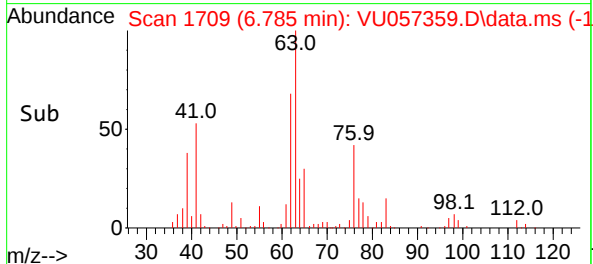
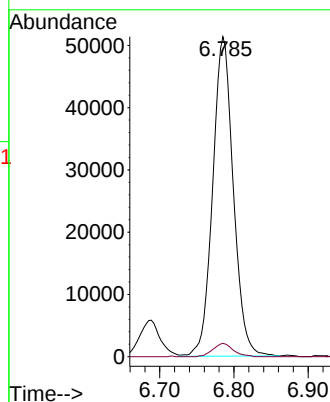
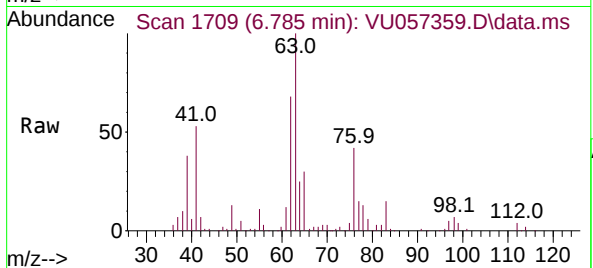
ClientSampleId :

Tgt Ion: 63 Resp: 99054

Ion Ratio Lower Upper

63 100

112 4.1 2.9 4.3



#38

Bromodichloromethane

Concen: 5.083 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU057359.D

Acq: 29 Dec 2023 09:19

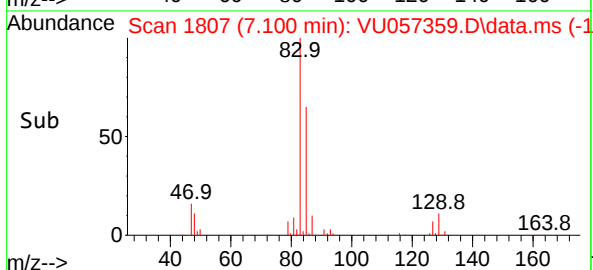
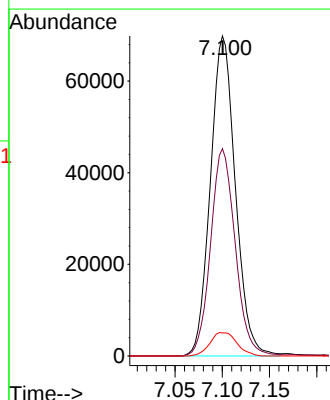
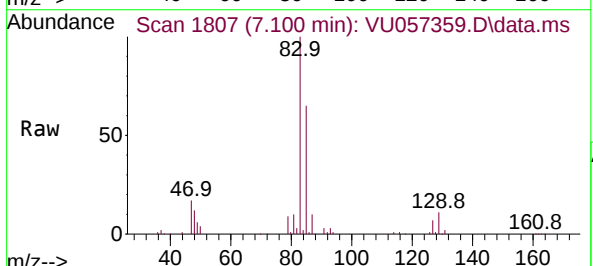
Tgt Ion: 83 Resp: 128347

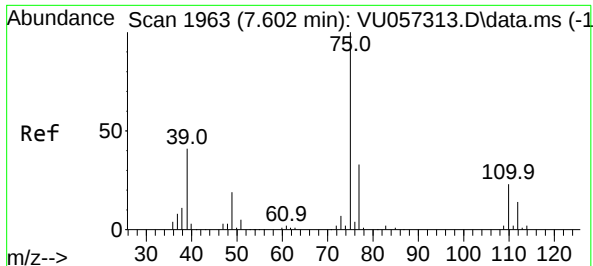
Ion Ratio Lower Upper

83 100

85 64.8 42.6 79.0

127 7.2 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.517 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU057359.D

Acq: 29 Dec 2023 09:19

Instrument :

MSVOA_U

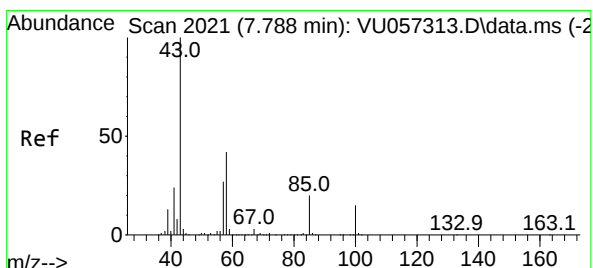
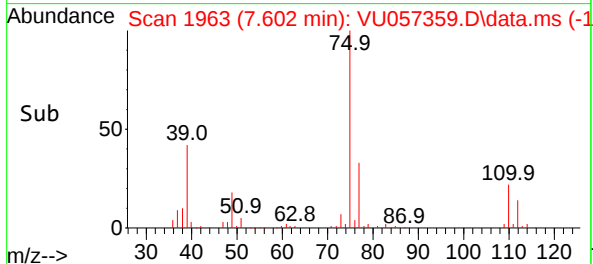
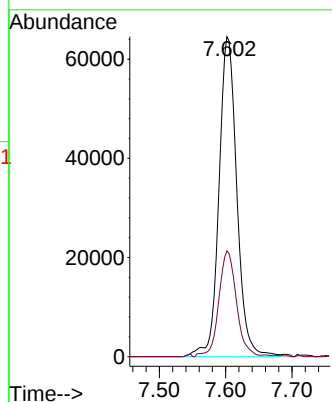
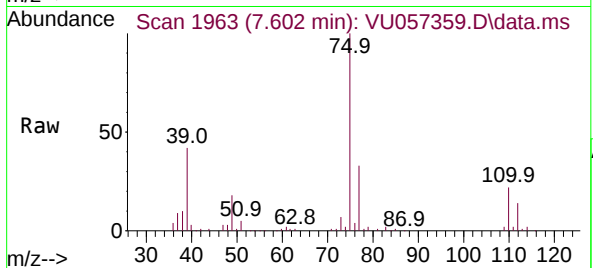
ClientSampleId :

Tgt Ion: 75 Resp: 120878

Ion Ratio Lower Upper

75 100

77 33.0 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 47.249 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU057359.D

Acq: 29 Dec 2023 09:19

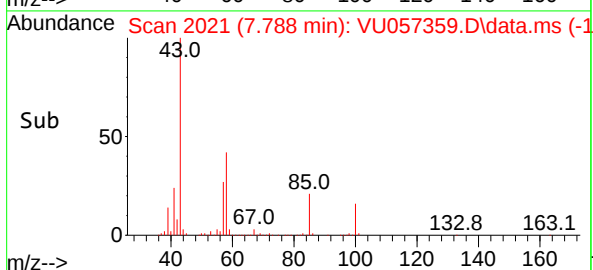
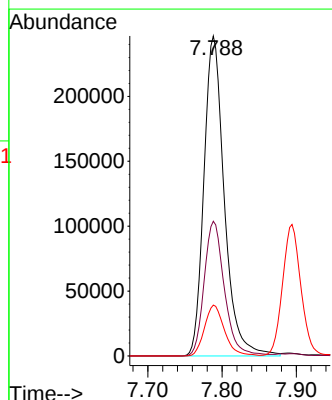
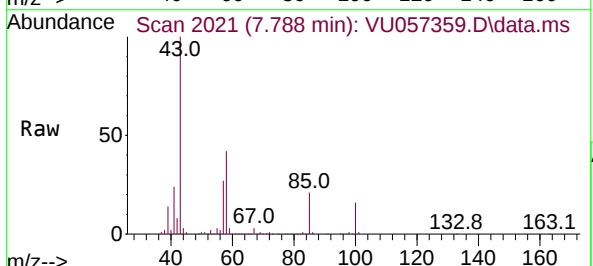
Tgt Ion: 43 Resp: 471215

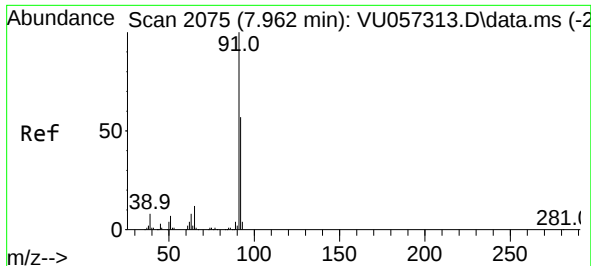
Ion Ratio Lower Upper

43 100

58 41.8 34.4 51.6

100 15.5 13.2 19.8





#42

Toluene

Concen: 4.883 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU057359.D

Acq: 29 Dec 2023 09:19

Instrument :

MSVOA_U

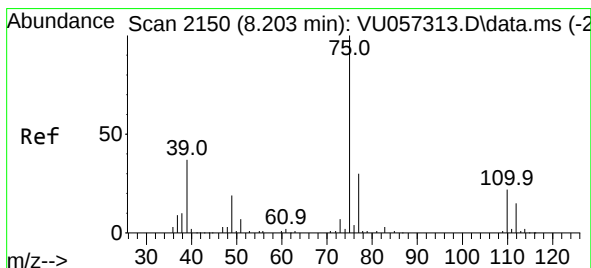
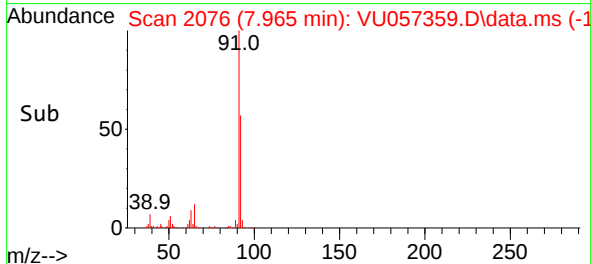
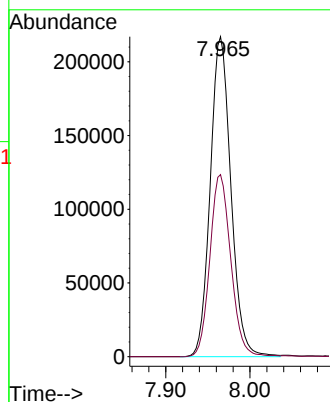
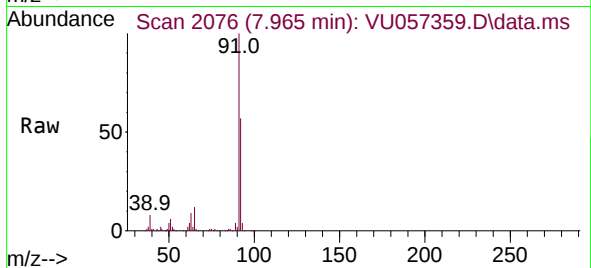
ClientSampleId :

Tgt Ion: 91 Resp: 369857

Ion Ratio Lower Upper

91 100

92 56.9 41.6 77.2



#44

trans-1,3-Dichloropropene

Concen: 4.495 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU057359.D

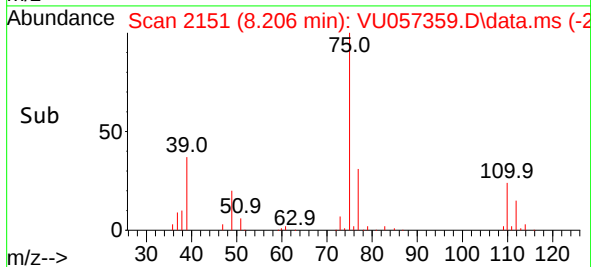
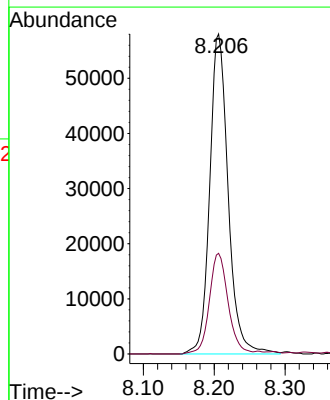
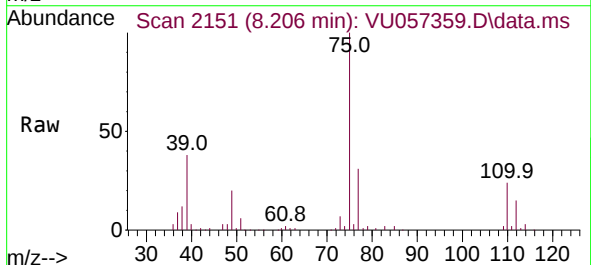
Acq: 29 Dec 2023 09:19

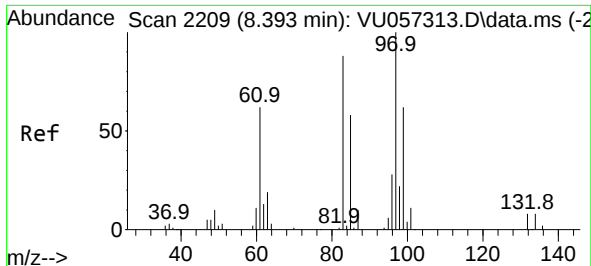
Tgt Ion: 75 Resp: 104892

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9

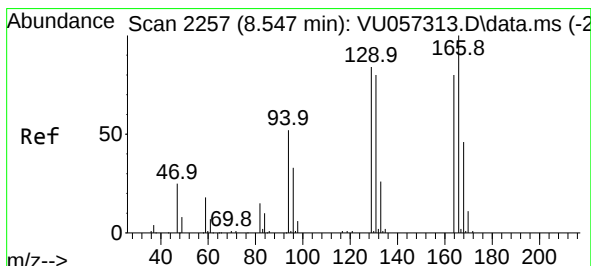
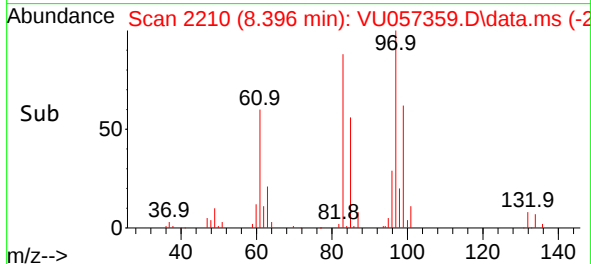
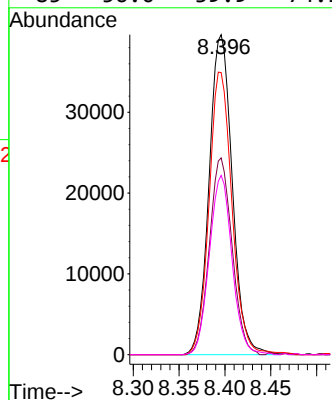
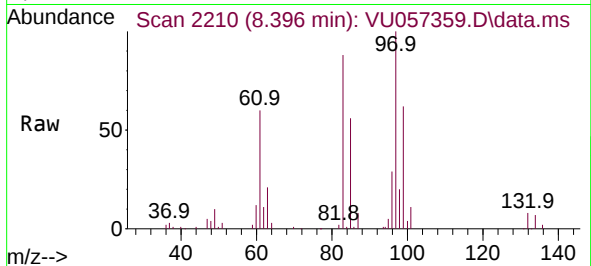




#45
1,1,2-Trichloroethane
Concen: 4.884 ug/L
RT: 8.396 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

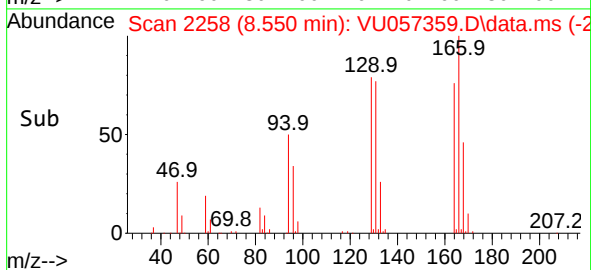
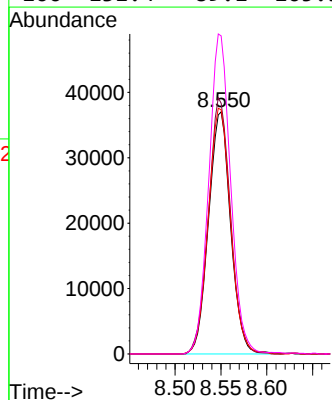
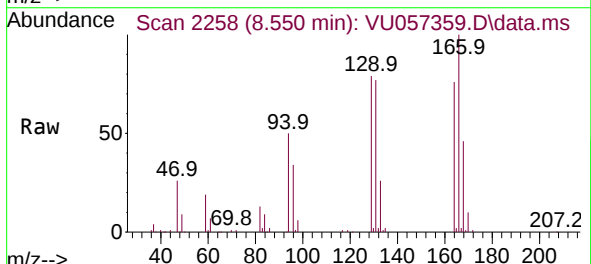
Instrument :
MSVOA_U
ClientSampleId :

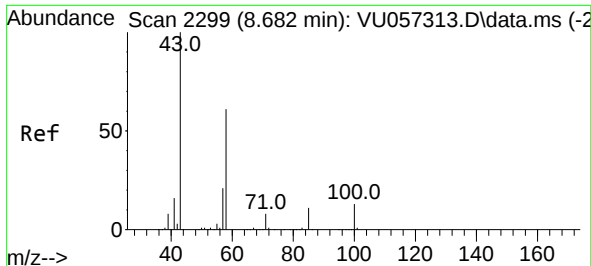
Tgt Ion: 97	Resp: 69636
Ion Ratio	Lower Upper
97 100	
99 61.5	44.0 81.8
83 88.2	62.3 115.7
85 56.0	39.9 74.1



#47
Tetrachloroethene
Concen: 4.662 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

Tgt Ion: 164	Resp: 61758
Ion Ratio	Lower Upper
164 100	
129 103.5	71.3 132.5
131 100.8	70.7 131.3
166 131.4	89.1 165.5

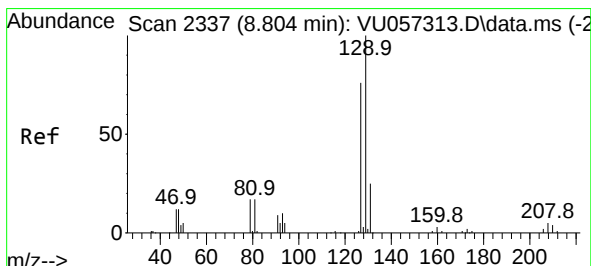
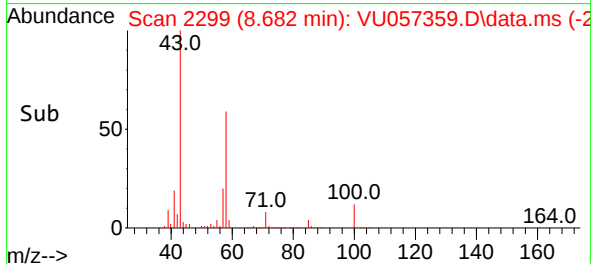
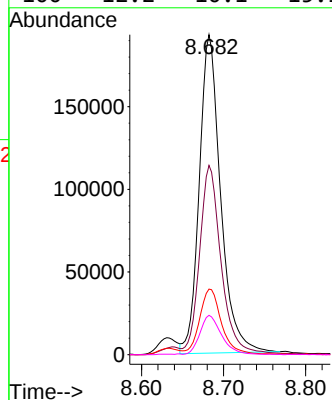
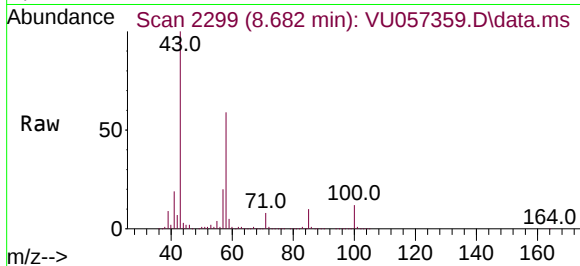




#48
2-Hexanone
Concen: 47.418 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

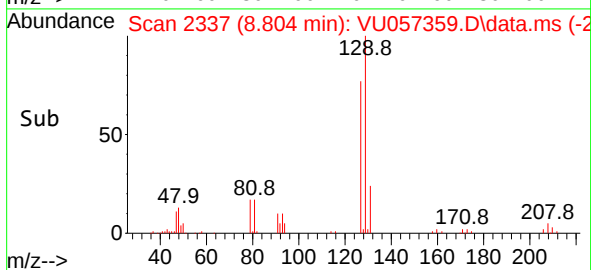
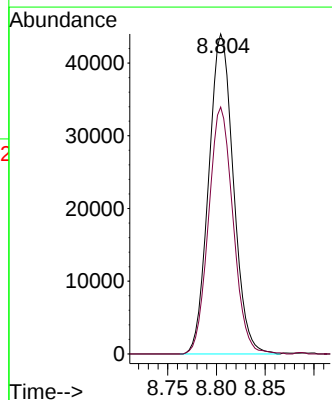
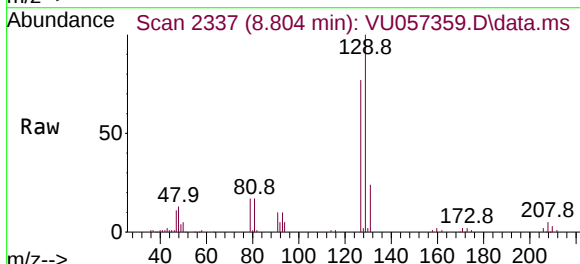
Instrument :
MSVOA_U
ClientSampleId :

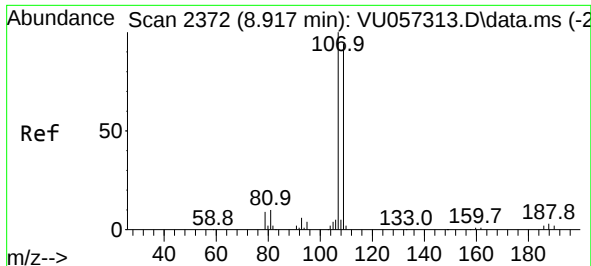
Tgt Ion: 43	Resp: 348668
Ion Ratio	Lower Upper
43 100	
58 59.5	48.4 72.6
57 20.9	17.4 26.2
100 12.2	10.1 15.1



#49
Dibromochloromethane
Concen: 4.783 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

Tgt Ion:129	Resp:	77651	
Ion	Ratio	Lower	Upper
129	100		
127	77.1	54.2	100.6

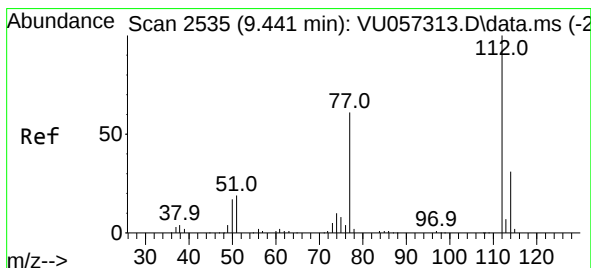
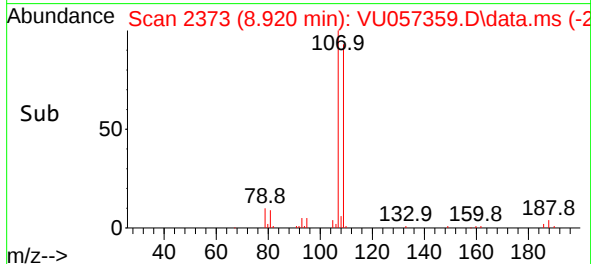
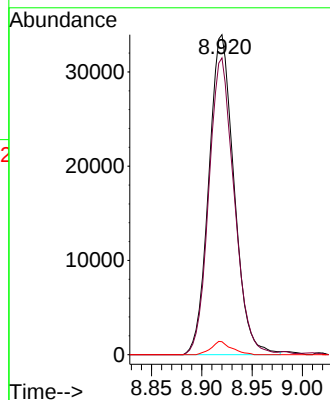
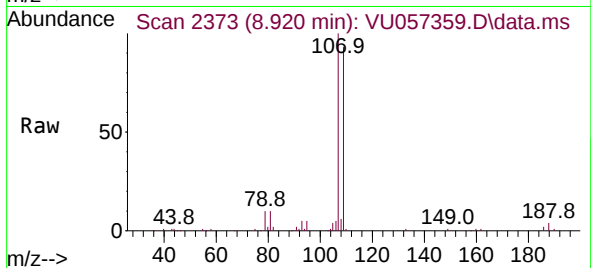




#50
1,2-Dibromoethane
Concen: 4.638 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

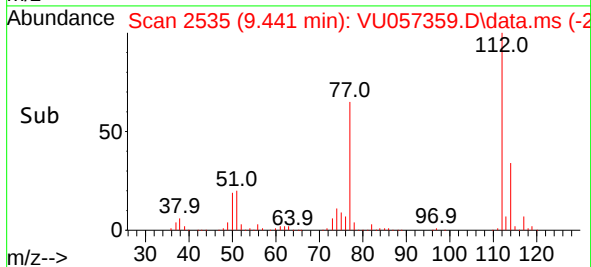
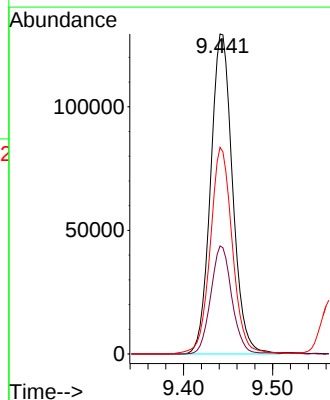
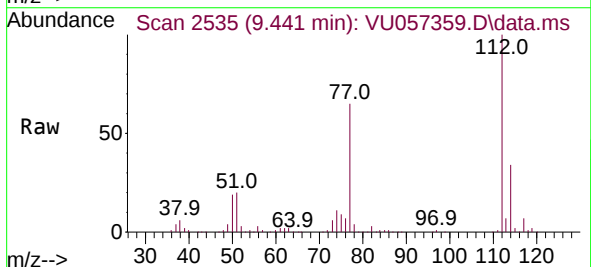
Instrument :
MSVOA_U
ClientSampleId :

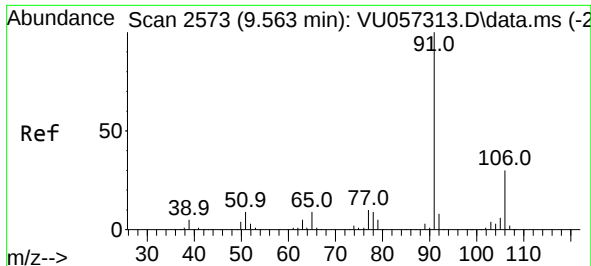
Tgt Ion:107 Resp: 59346
Ion Ratio Lower Upper
107 100
109 92.8 65.2 121.2
188 4.1 2.3 3.5#



#51
Chlorobenzene
Concen: 4.822 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.003 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

Tgt Ion:112 Resp: 222006
Ion Ratio Lower Upper
112 100
114 33.7 21.8 40.4
77 64.6 51.2 76.8





#52

Ethylbenzene

Concen: 4.850 ug/L

RT: 9.566 min Scan# 2

Delta R.T. 0.000 min

Lab File: VU057359.D

Acq: 29 Dec 2023 09:19

Instrument :

MSVOA_U

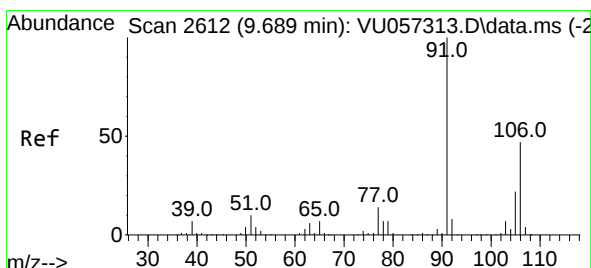
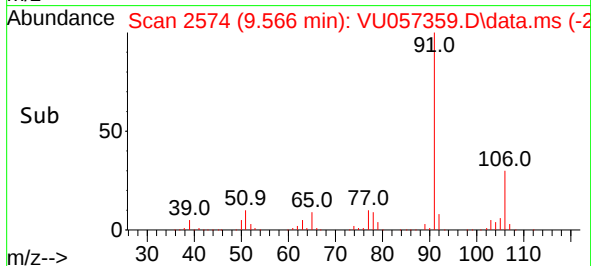
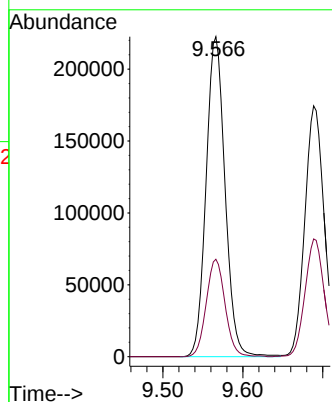
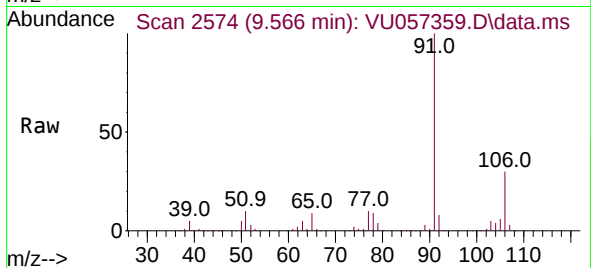
ClientSampleId :

Tgt Ion: 91 Resp: 366615

Ion Ratio Lower Upper

91 100

106 30.4 21.1 39.3



#53

m,p-Xylene

Concen: 4.814 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.003 min

Lab File: VU057359.D

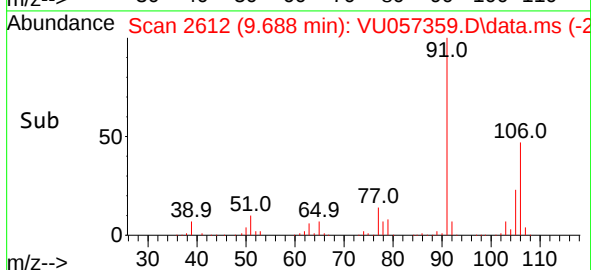
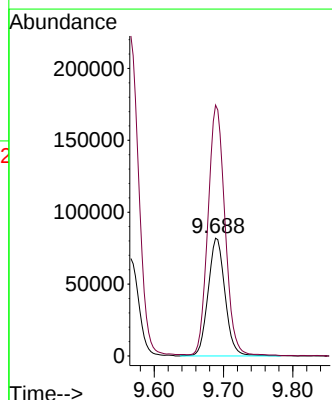
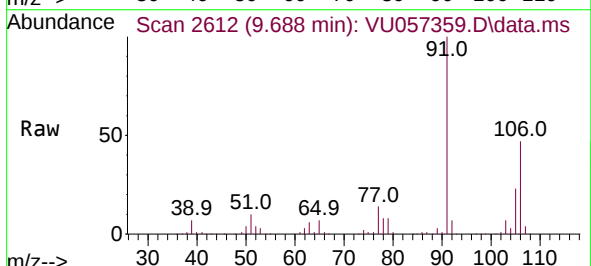
Acq: 29 Dec 2023 09:19

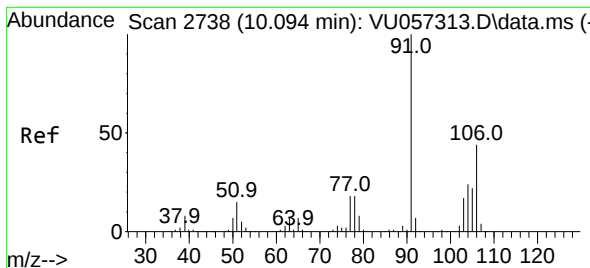
Tgt Ion:106 Resp: 138577

Ion Ratio Lower Upper

106 100

91 213.2 151.5 281.5





#54

o-Xylene

Concen: 4.850 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057359.D

Acq: 29 Dec 2023 09:19

Instrument :

MSVOA_U

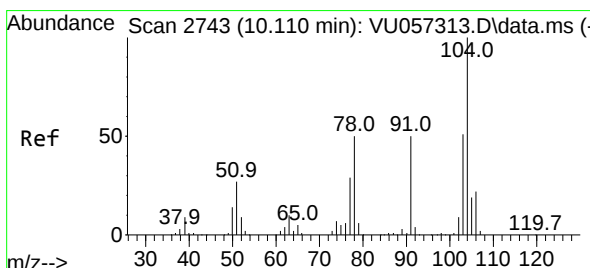
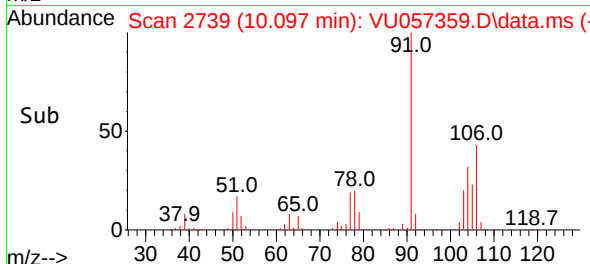
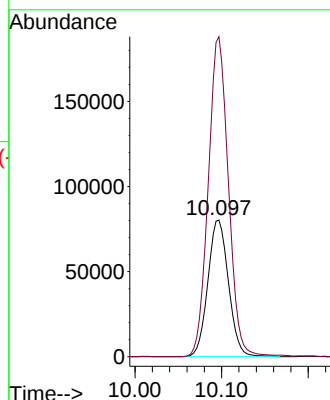
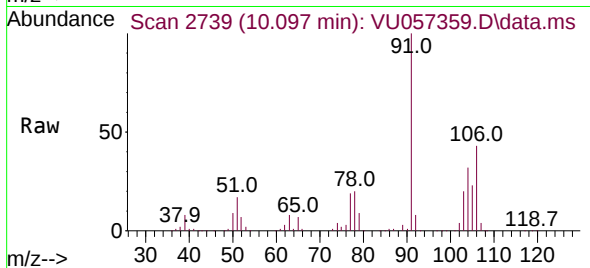
ClientSampleId :

Tgt Ion:106 Resp: 132716

Ion Ratio Lower Upper

106 100

91 234.3 156.0 289.8



#55

Styrene

Concen: 4.988 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU057359.D

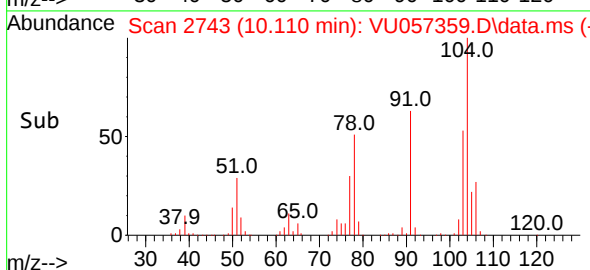
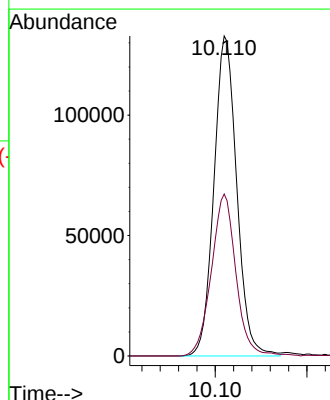
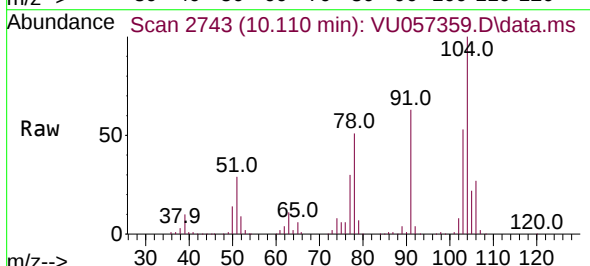
Acq: 29 Dec 2023 09:19

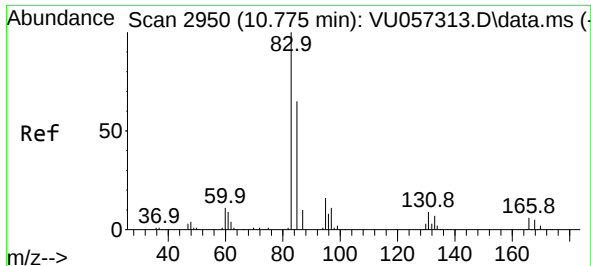
Tgt Ion:104 Resp: 229783

Ion Ratio Lower Upper

104 100

78 50.6 36.3 67.3





#57

1,1,2,2-Tetrachloroethane

Concen: 4.672 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU057359.D

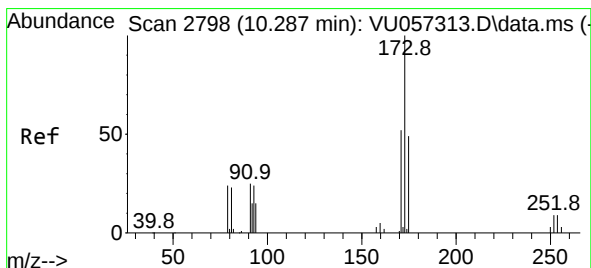
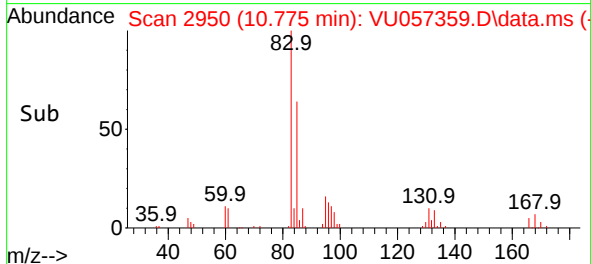
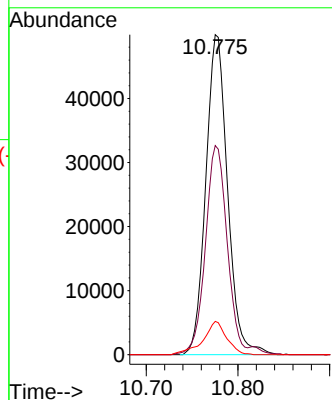
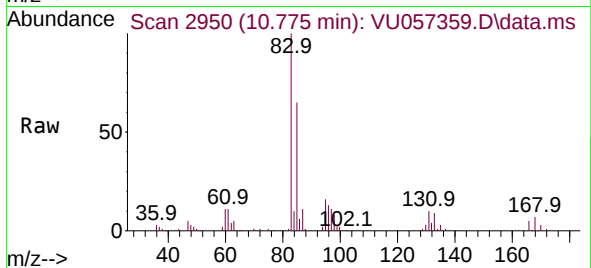
Acq: 29 Dec 2023 09:19

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	82406
Ion	Ratio	Lower	Upper
83	100		
85	65.3	44.7	83.1
131	10.4	7.7	11.5



#59

Bromoform

Concen: 4.839 ug/L

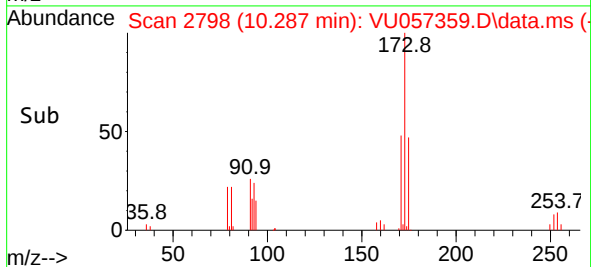
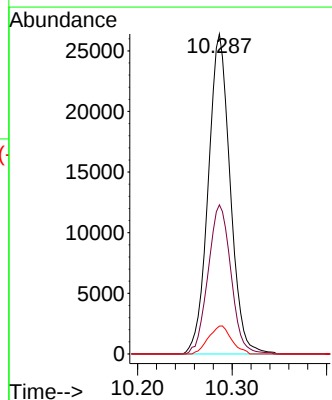
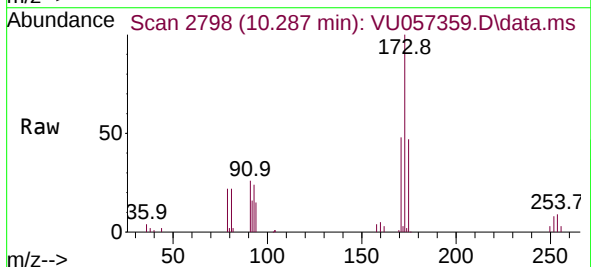
RT: 10.287 min Scan# 2798

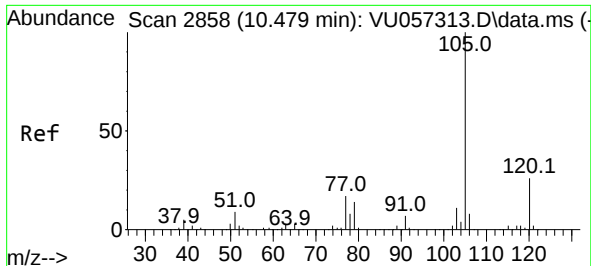
Delta R.T. 0.000 min

Lab File: VU057359.D

Acq: 29 Dec 2023 09:19

Tgt Ion:	173	Resp:	42564
Ion	Ratio	Lower	Upper
173	100		
175	48.5	40.2	60.2
254	9.1	6.8	10.2

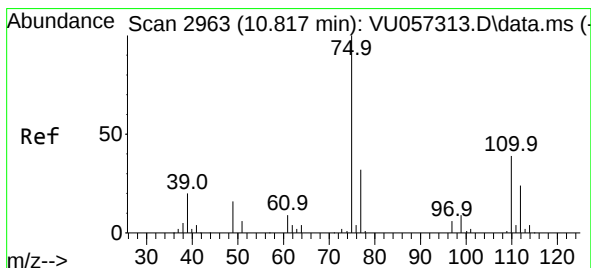
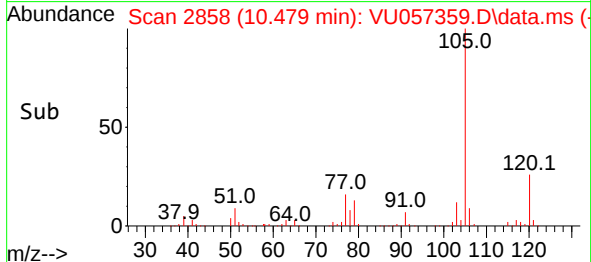
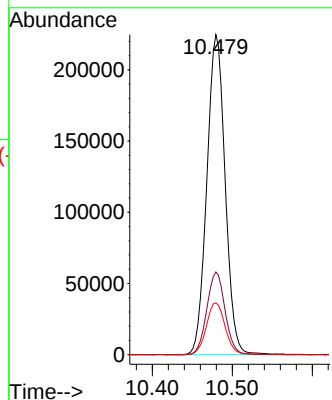
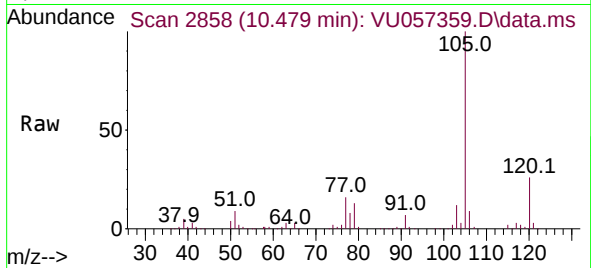




#60
Isopropylbenzene
Concen: 5.200 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

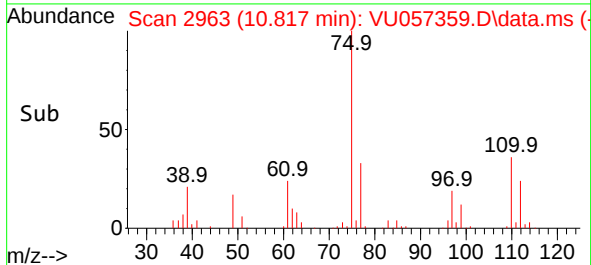
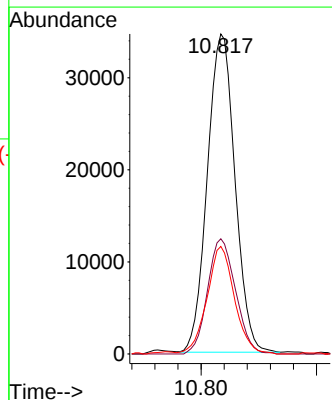
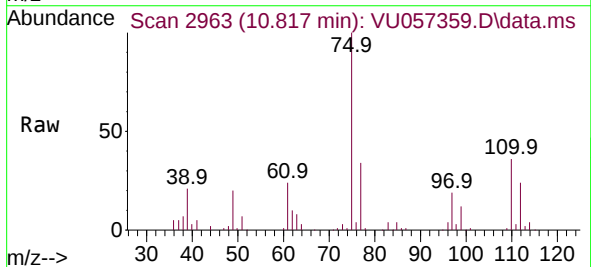
Instrument :
MSVOA_U
ClientSampleId :

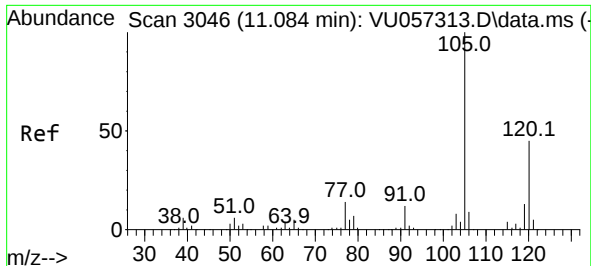
Tgt Ion:105 Resp: 358151
Ion Ratio Lower Upper
105 100
120 25.8 20.2 30.4
77 16.7 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.903 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

Tgt Ion: 75 Resp: 57499
Ion Ratio Lower Upper
75 100
110 36.6 29.0 43.6
77 33.6 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 5.012 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU057359.D

Acq: 29 Dec 2023 09:19

Instrument :

MSVOA_U

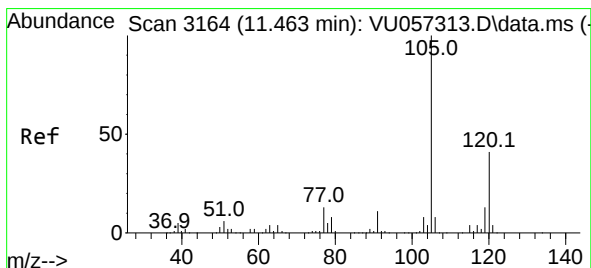
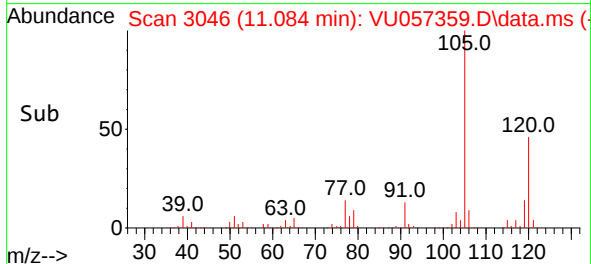
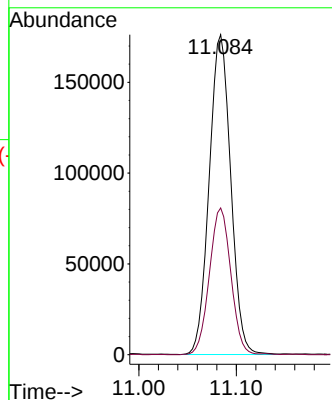
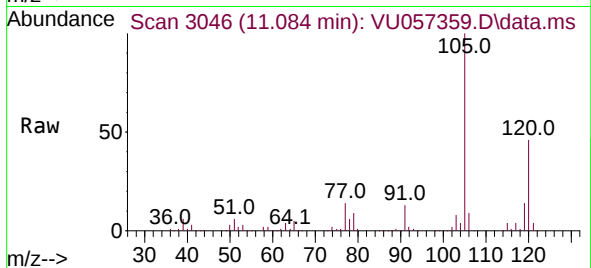
ClientSampleId :

Tgt Ion:105 Resp: 270191

Ion Ratio Lower Upper

105 100

120 45.8 36.0 54.0



#63

1,2,4-Trimethylbenzene

Concen: 5.130 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU057359.D

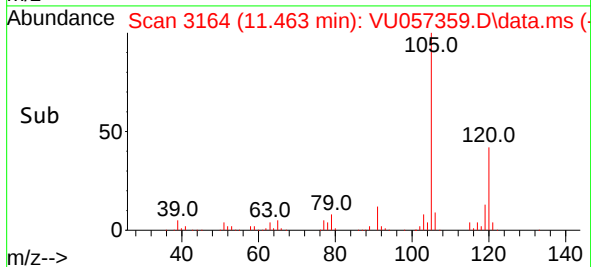
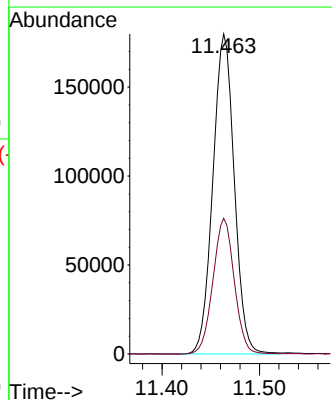
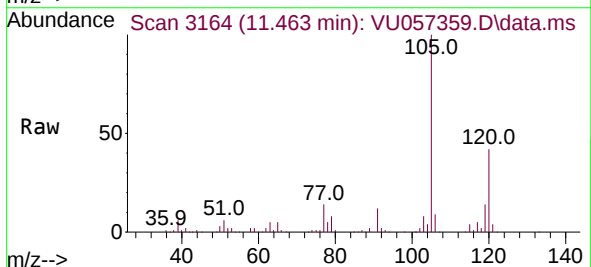
Acq: 29 Dec 2023 09:19

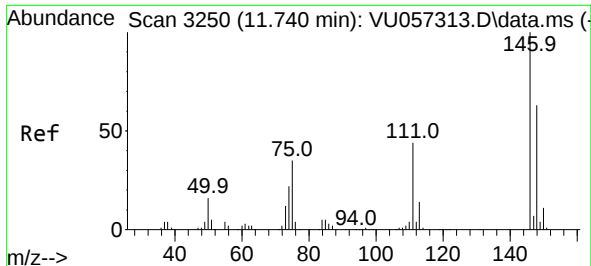
Tgt Ion:105 Resp: 274949

Ion Ratio Lower Upper

105 100

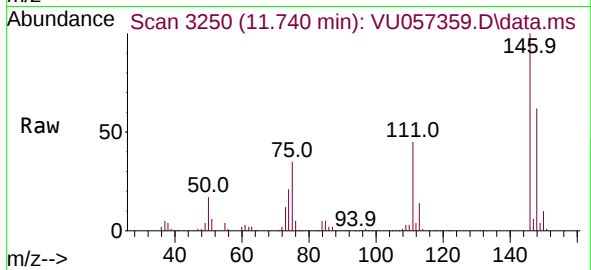
120 42.2 33.5 50.3



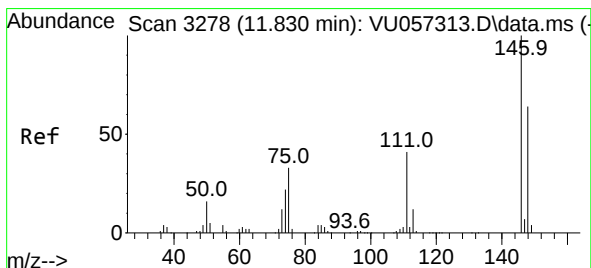
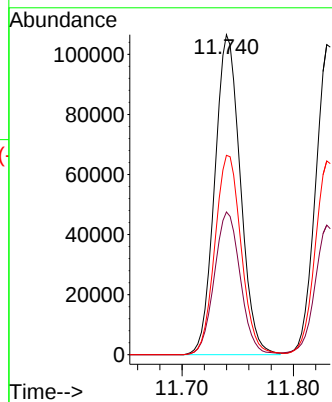
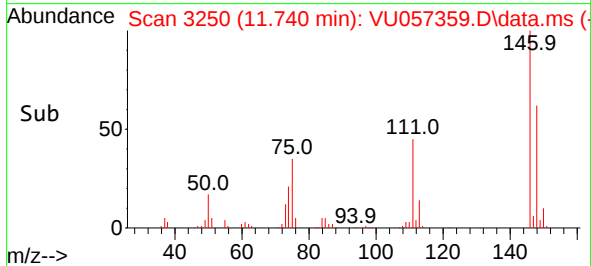


#64
1,3-Dichlorobenzene
Concen: 5.141 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

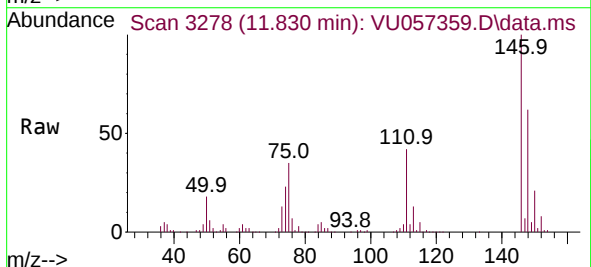
Instrument :
MSVOA_U
ClientSampleId :



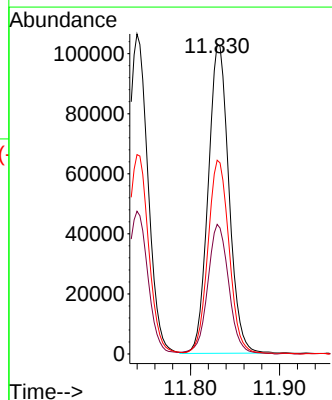
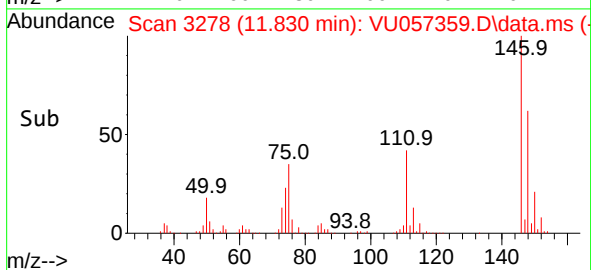
Tgt Ion:146 Resp: 170176
Ion Ratio Lower Upper
146 100
111 44.6 31.4 58.2
148 62.3 44.3 82.3

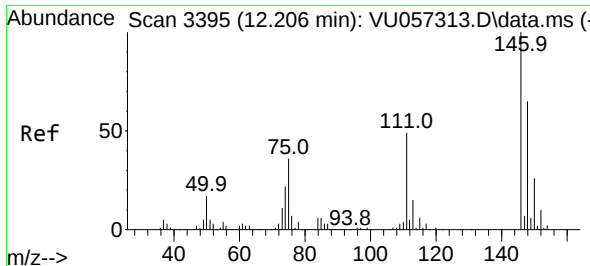


#65
1,4-Dichlorobenzene
Concen: 4.933 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19



Tgt Ion:146 Resp: 166195
Ion Ratio Lower Upper
146 100
111 41.8 30.9 57.3
148 62.5 43.4 80.6





#67

1,2-Dichlorobenzene

Concen: 4.930 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.003 min

Lab File: VU057359.D

Acq: 29 Dec 2023 09:19

Instrument :

MSVOA_U

ClientSampleId :

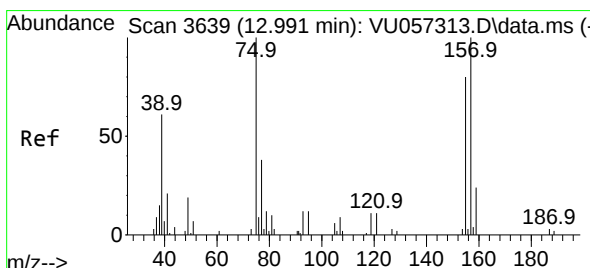
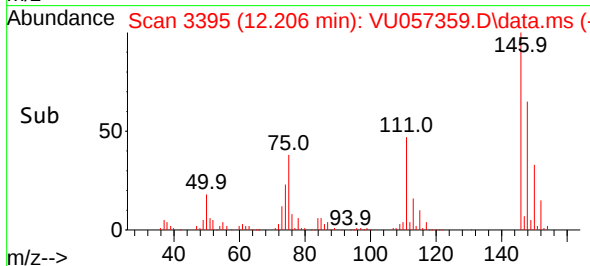
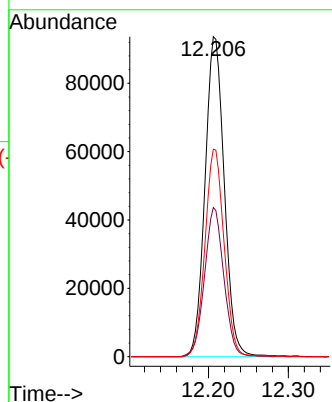
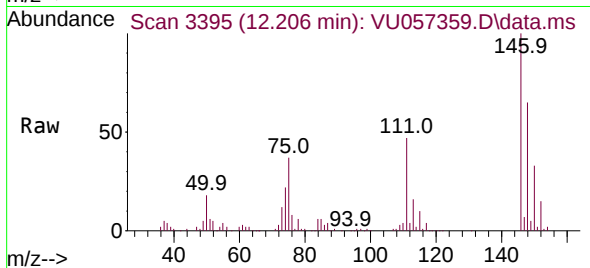
Tgt Ion:146 Resp: 156852

Ion Ratio Lower Upper

146 100

111 46.6 37.8 56.8

148 64.9 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.453 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057359.D

Acq: 29 Dec 2023 09:19

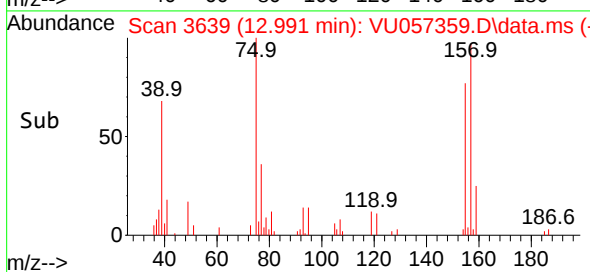
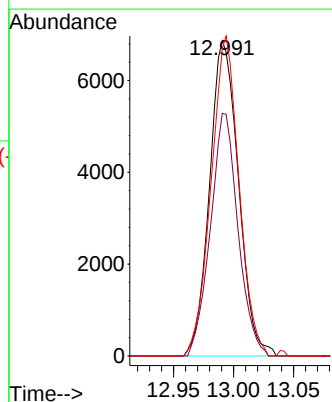
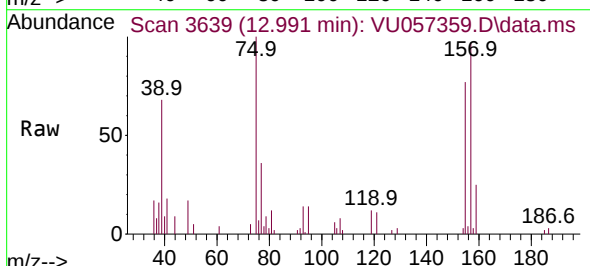
Tgt Ion: 75 Resp: 11484

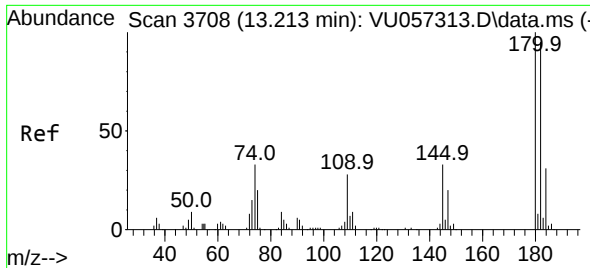
Ion Ratio Lower Upper

75 100

155 77.0 53.8 80.8

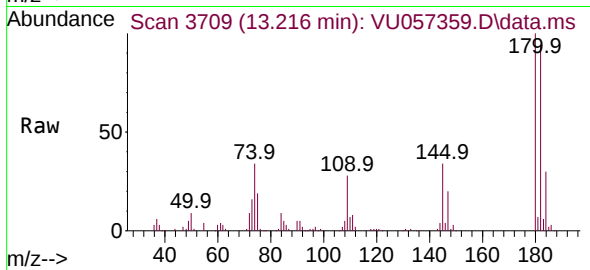
157 97.5 69.7 104.5



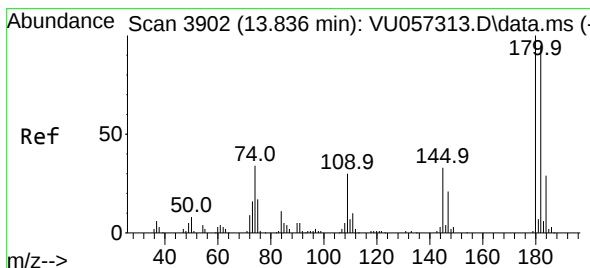
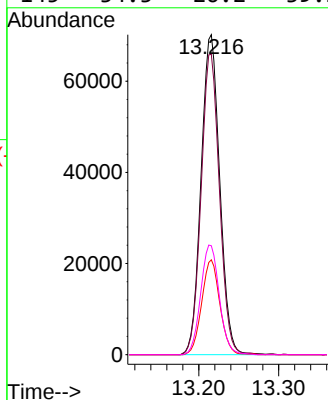
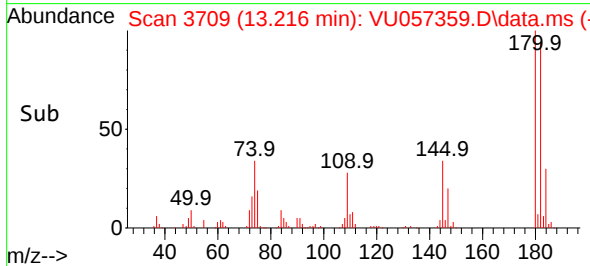


#69
 1,3,5-Trichlorobenzene
 Concen: 4.812 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU057359.D
 Acq: 29 Dec 2023 09:19

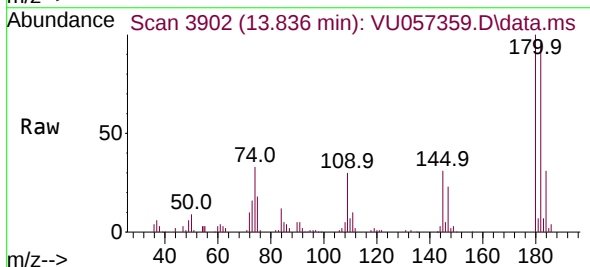
Instrument :
 MSVOA_U
 ClientSampleId :



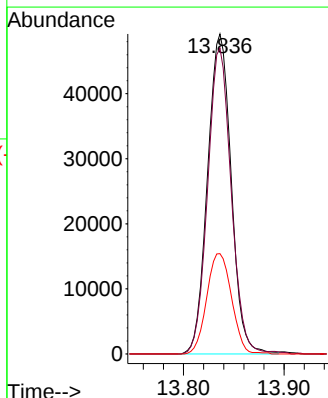
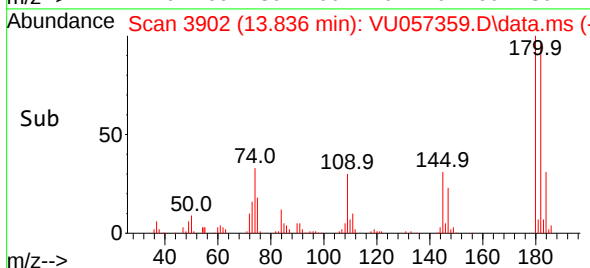
Tgt Ion:180 Resp: 114063
 Ion Ratio Lower Upper
 180 100
 182 92.4 76.3 114.5
 184 28.9 23.6 35.4
 145 34.3 26.2 39.2

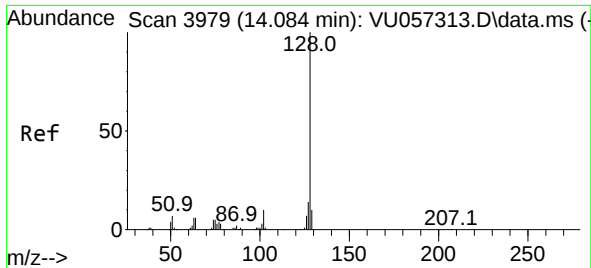


#70
 1,2,4-trichlorobenzene
 Concen: 4.269 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU057359.D
 Acq: 29 Dec 2023 09:19



Tgt Ion:180 Resp: 80290
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.2 114.4
 145 32.9 26.7 40.1

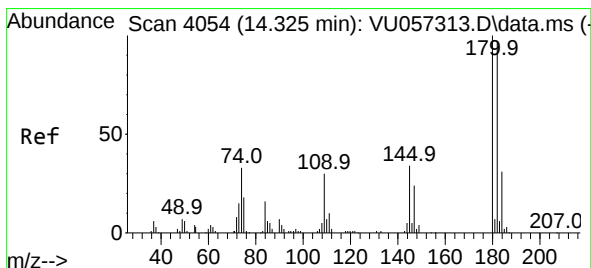
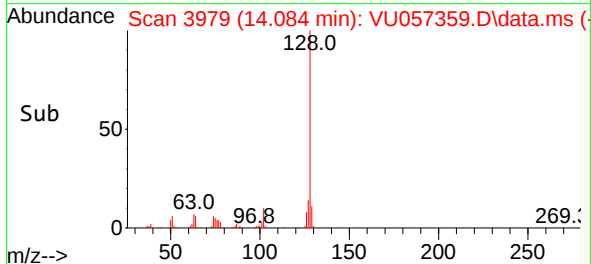
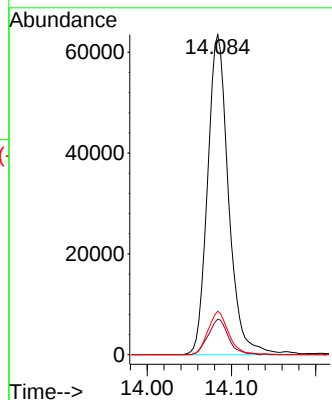
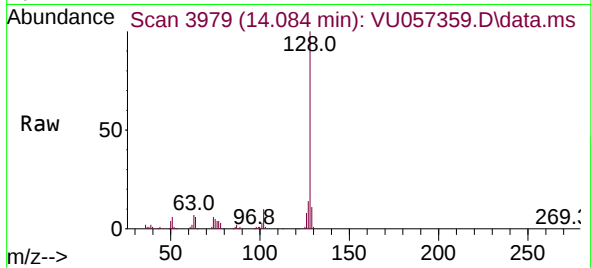




#71
Naphthalene
Concen: 3.731 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128	Resp: 109683
Ion Ratio	Lower Upper
128 100	
129 10.7	8.6 13.0
127 13.4	9.8 14.6



#72
1,2,3-Trichlorobenzene
Concen: 4.114 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU057359.D
Acq: 29 Dec 2023 09:19

Tgt Ion:180	Resp: 67451
Ion Ratio	Lower Upper
180 100	
182 95.1	75.8 113.8
145 35.8	28.0 42.0

