

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122623\
 Data File : VU057235.D
 Acq On : 26 Dec 2023 14:29
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 26 23:36:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 23 00:27:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	170084	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	169371	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	91977	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	90440	5.563	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.200%
7) Chloroethane-d5	1.911	69	69006	5.157	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.200%
11) 1,1-Dichloroethene-d2	2.563	65	34405	4.885	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.600%
20) 2-Butanone-d5	4.624	46	130989	51.319	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.640%
24) Chloroform-d	5.055	84	142149	4.528	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	5.695	65	67907	4.539	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
32) Benzene-d6	5.721	84	267227	4.600	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
36) 1,2-Dichloropropane-d6	6.685	67	79361	4.801	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.000%
41) Toluene-d8	7.891	98	247140	4.660	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
43) trans-1,3-Dichloroprop...	8.174	79	33966	4.936	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.800%
46) 2-Hexanone-d5	8.627	63	110468	47.148	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.300%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	58724	4.992	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	81809	4.133	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	72524	4.560	ug/L	99
3) Chloromethane	1.515	50	75071	5.386	ug/L	97
5) Vinyl chloride	1.602	62	80340	5.403	ug/L	99
6) Bromomethane	1.856	94	41794	6.427	ug/L	95
8) Chloroethane	1.933	64	49602	5.255	ug/L	99
9) Trichlorofluoromethane	2.136	101	125481	4.593	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	70031	4.951	ug/L	97
12) 1,1-Dichloroethene	2.576	96	58982	4.638	ug/L	97
13) Acetone	2.641	43	83218	54.227	ug/L	98
14) Carbon disulfide	2.789	76	174814	4.369	ug/L	99
15) Methyl Acetate	2.949	43	20398	5.636	ug/L	99
16) Methylene chloride	3.039	84	68277	4.619	ug/L	96
17) Methyl tert-butyl Ether	3.354	73	133270	4.935	ug/L	97
18) trans-1,2-Dichloroethene	3.348	96	60090	4.846	ug/L	94
19) 1,1-Dichloroethane	3.862	63	122829	4.991	ug/L	99
21) 2-Butanone	4.702	43	126930	54.271	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	65387	4.788	ug/L	92
23) Bromochloromethane	4.972	128	28888	4.882	ug/L	94
25) Chloroform	5.081	83	135988	4.899	ug/L	99

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 26 23:36:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

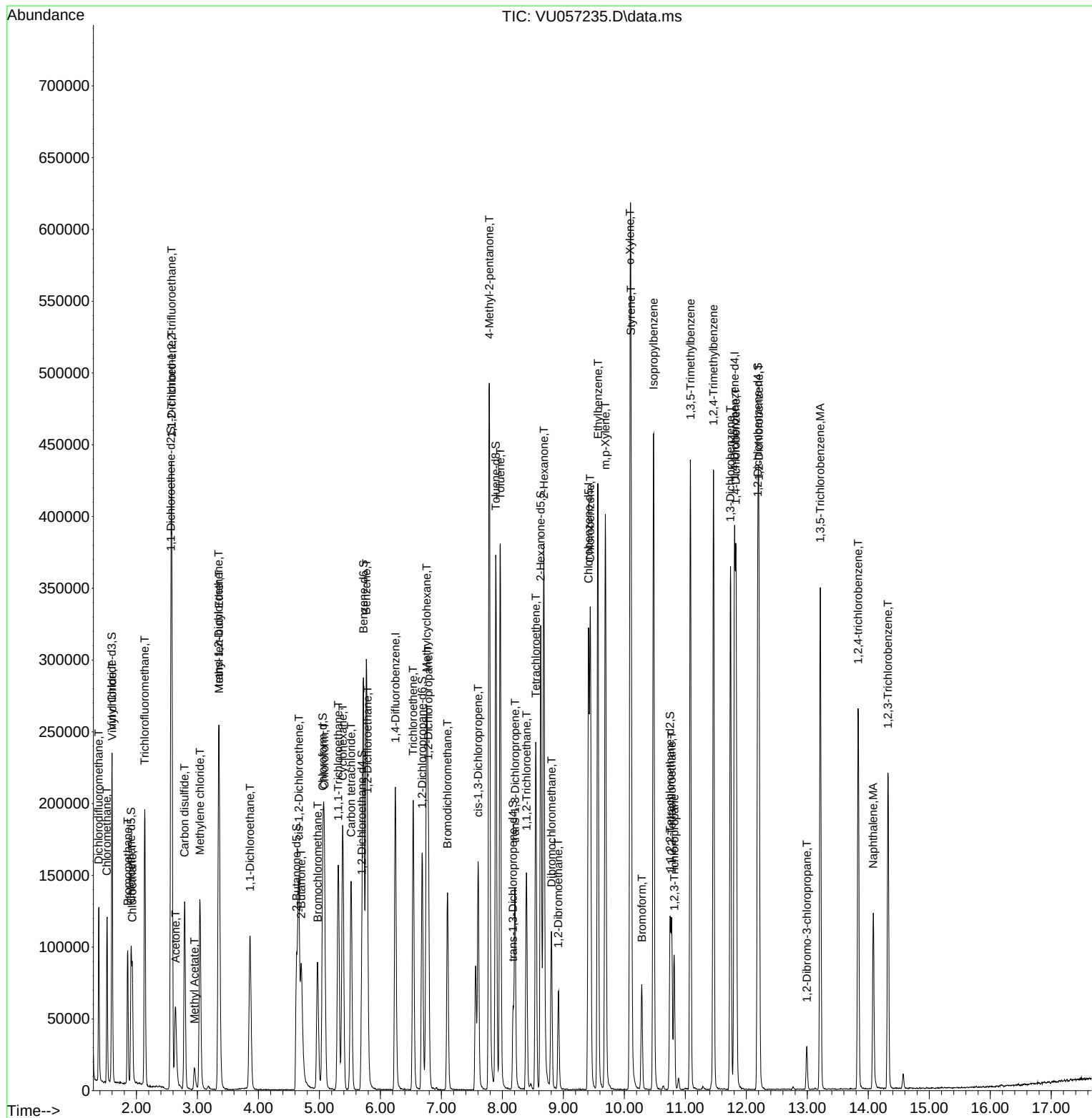
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	78210	4.776	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	120154	4.464	ug/L	99
30) Cyclohexane	5.380	56	88039	4.838	ug/L	95
31) Carbon tetrachloride	5.518	117	101941	4.305	ug/L	98
33) Benzene	5.769	78	263435	4.907	ug/L	100
34) Trichloroethene	6.538	95	71441	4.550	ug/L	97
35) Methylcyclohexane	6.756	83	94624	4.578	ug/L	95
37) 1,2-Dichloropropane	6.785	63	67550	5.058	ug/L	99
38) Bromodichloromethane	7.100	83	93985	4.864	ug/L	95
39) cis-1,3-Dichloropropene	7.602	75	97147	4.835	ug/L	95
40) 4-Methyl-2-pentanone	7.785	43	310305	53.445	ug/L	98
42) Toluene	7.965	91	281149	4.941	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	83354	4.861	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	47735	5.180	ug/L	94
47) Tetrachloroethene	8.547	164	51645	4.590	ug/L	97
48) 2-Hexanone	8.679	43	225686	52.832	ug/L	98
49) Dibromochloromethane	8.804	129	57250	4.793	ug/L	97
50) 1,2-Dibromoethane	8.917	107	43540	5.033	ug/L	97
51) Chlorobenzene	9.441	112	176377	4.762	ug/L	99
52) Ethylbenzene	9.566	91	298518	4.656	ug/L	96
53) m,p-Xylene	9.689	106	113651	4.846	ug/L	97
54) o-Xylene	10.094	106	105832	4.677	ug/L	99
55) Styrene	10.110	104	185424	4.968	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	56589	5.093	ug/L	98
59) Bromoform	10.287	173	32575	4.615	ug/L	96
60) Isopropylbenzene	10.480	105	300441	4.430	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	39285	4.584	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	236894	4.263	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	237056	4.323	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	147058	4.588	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	141940	4.399	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	128719	4.490	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.991	75	8390	4.316	ug/L	99
69) 1,3,5-Trichlorobenzene	13.213	180	104942	4.401	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	78303	4.194	ug/L	98
71) Naphthalene	14.081	128	101609	4.302	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	64706	4.443	ug/L	96

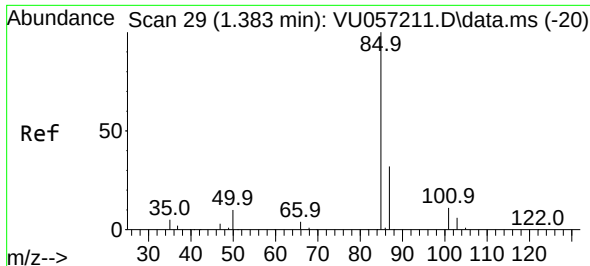
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MSVOA_U
ClientSampleId :

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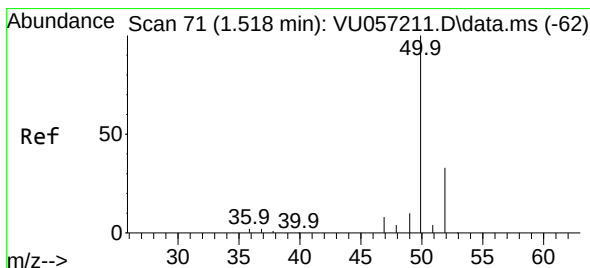
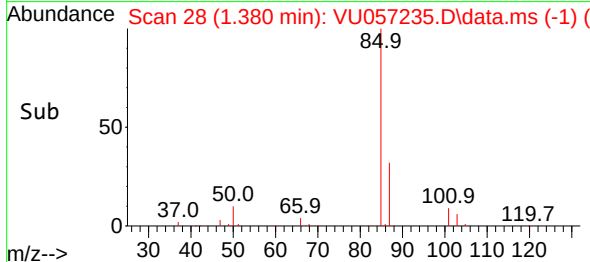
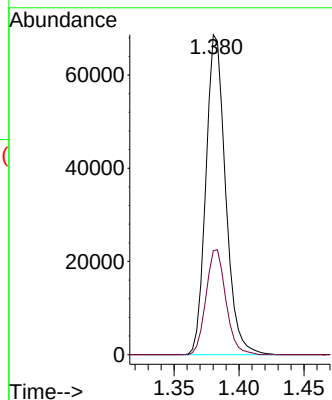
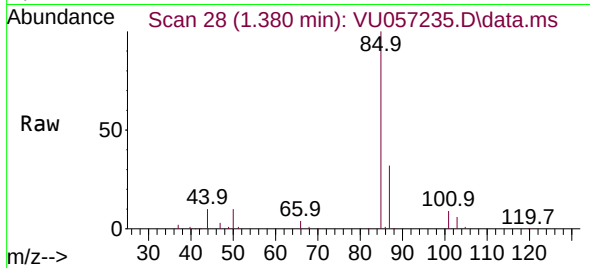




#2
Dichlorodifluoromethane
Concen: 4.560 ug/L
RT: 1.380 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

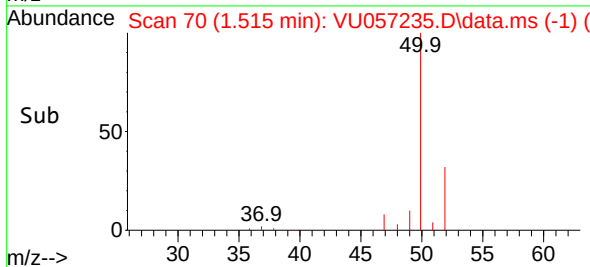
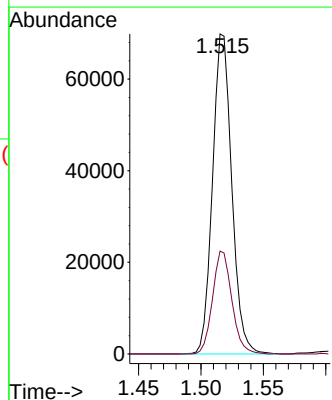
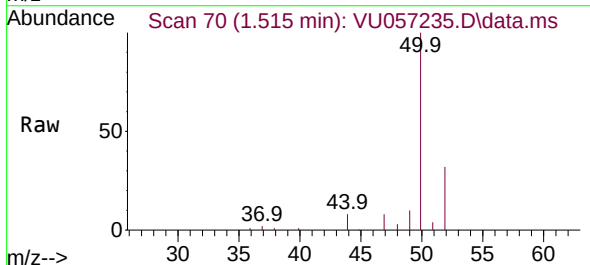
Instrument :
MSVOA_U
ClientSampleId :

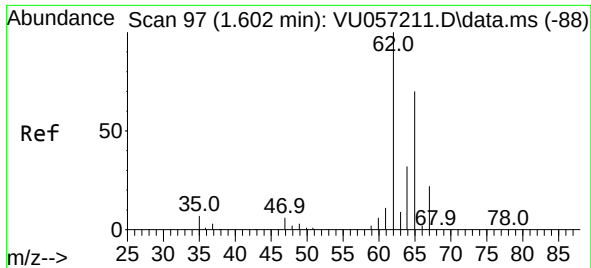
Tgt Ion: 85 Resp: 72524
Ion Ratio Lower Upper
85 100
87 33.1 25.9 38.9



#3
Chloromethane
Concen: 5.386 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

Tgt Ion: 50 Resp: 75071
Ion Ratio Lower Upper
50 100
52 32.1 23.7 44.1

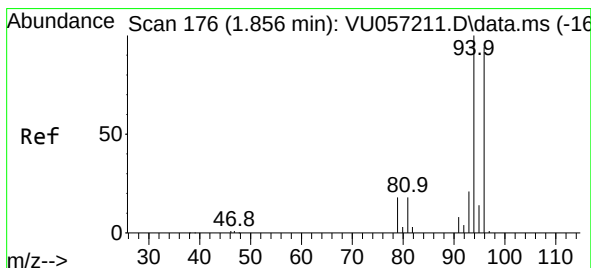
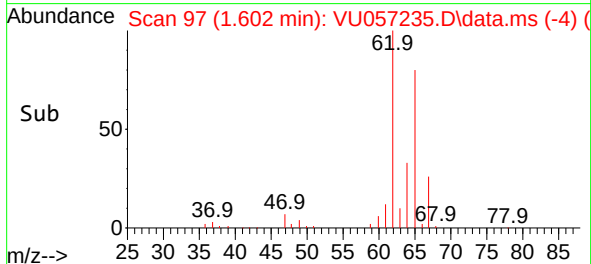
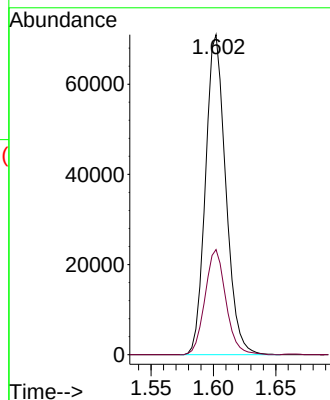
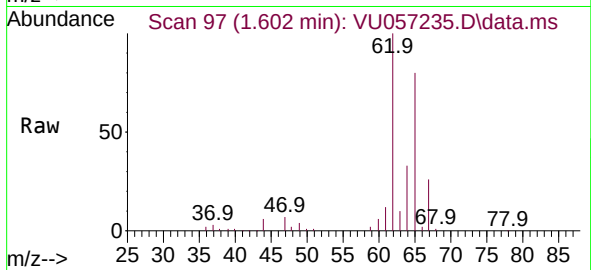




#5
 Vinyl chloride
 Concen: 5.403 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU057235.D
 Acq: 26 Dec 2023 14:29

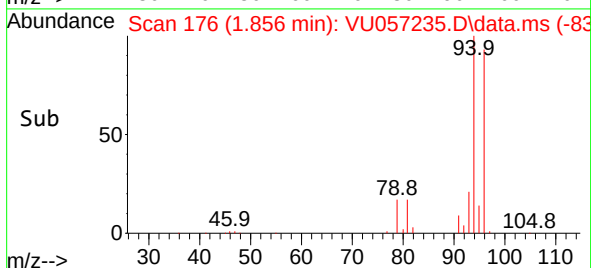
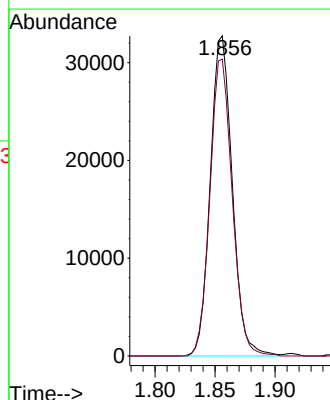
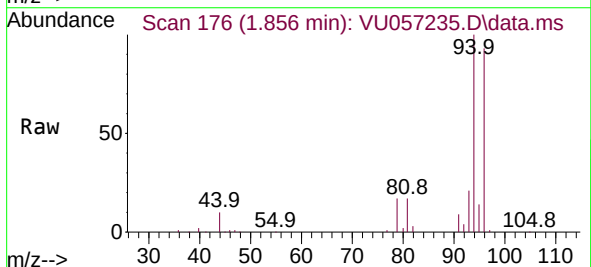
Instrument :
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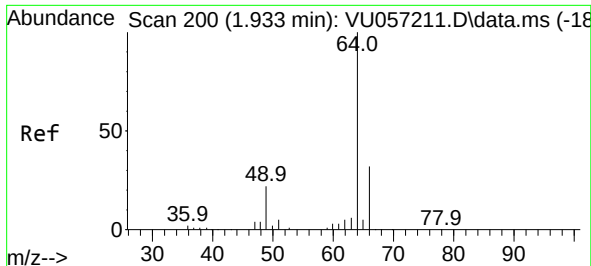
Tgt Ion: 62 Resp: 80340
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.3 43.3



#6
 Bromomethane
 Concen: 6.427 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU057235.D
 Acq: 26 Dec 2023 14:29

Tgt Ion: 94 Resp: 41794
 Ion Ratio Lower Upper
 94 100
 96 92.7 68.2 126.6





#8

Chloroethane

Concen: 5.255 ug/L

RT: 1.933 min Scan# 200

Delta R.T. 0.000 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Instrument :

MSVOA_U

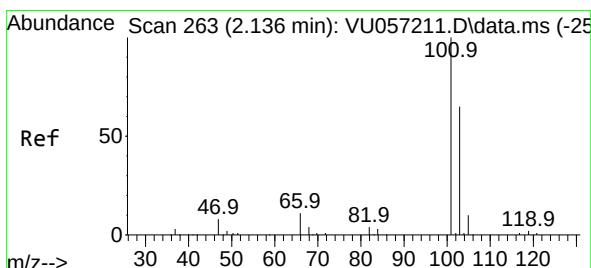
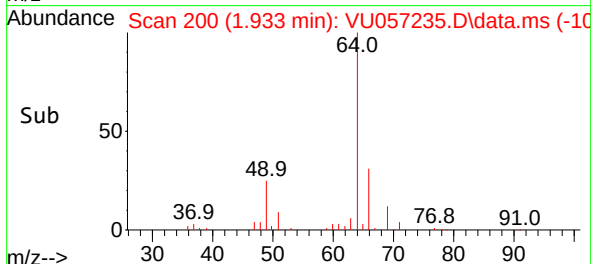
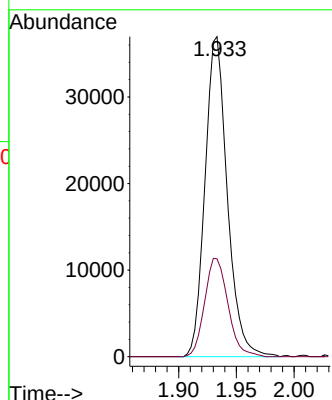
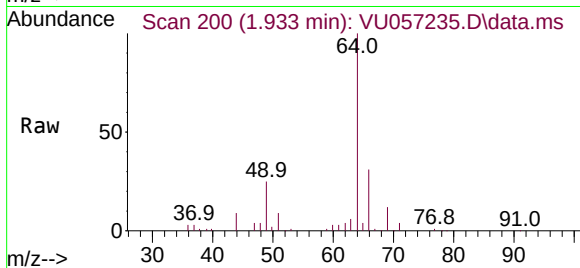
ClientSampleId :

Tgt Ion: 64 Resp: 49602

Ion Ratio Lower Upper

64 100

66 30.6 21.6 40.2



#9

Trichlorofluoromethane

Concen: 4.593 ug/L

RT: 2.136 min Scan# 263

Delta R.T. 0.000 min

Lab File: VU057235.D

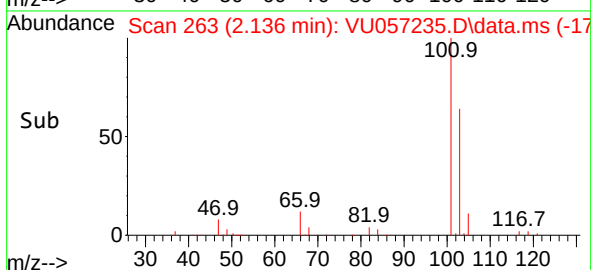
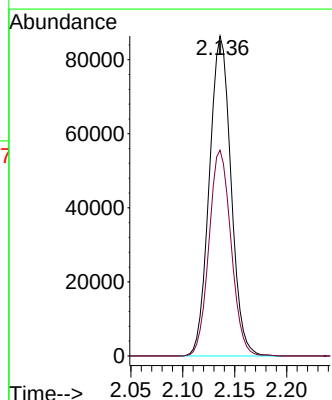
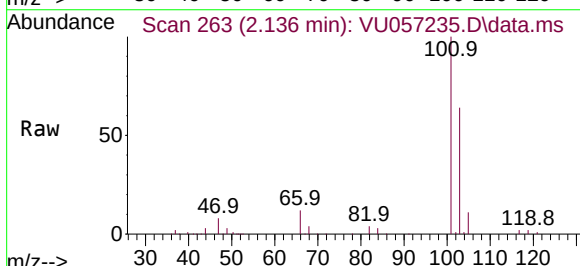
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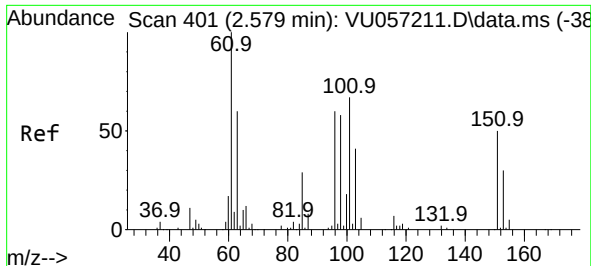
Tgt Ion:101 Resp: 125481

Ion Ratio Lower Upper

101 100

103 65.4 52.1 78.1

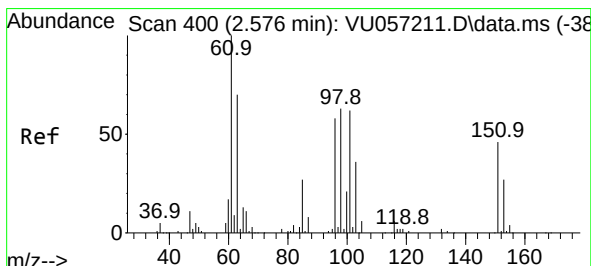
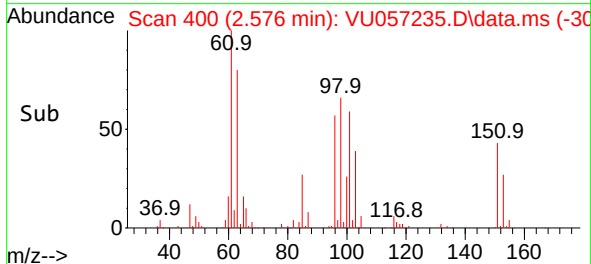
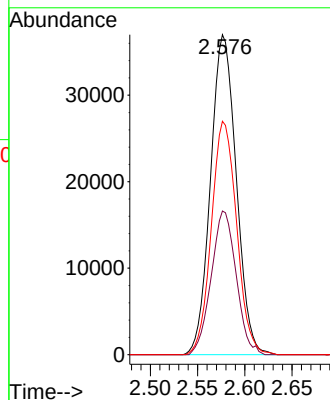
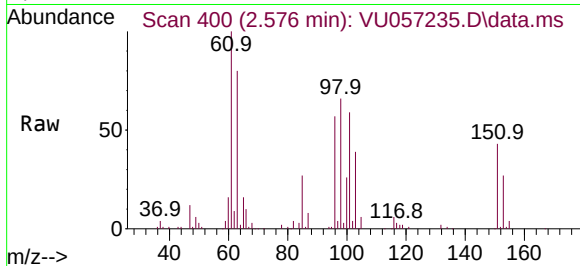




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.951 ug/L
 RT: 2.576 min Scan# 401
 Delta R.T. -0.003 min
 Lab File: VU057235.D
 Acq: 26 Dec 2023 14:29

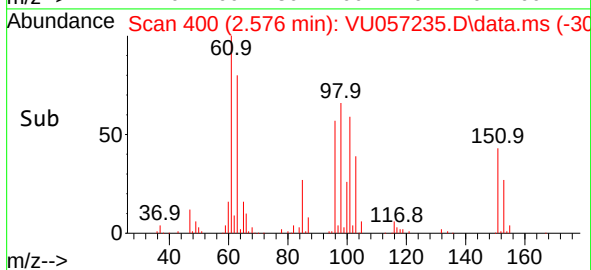
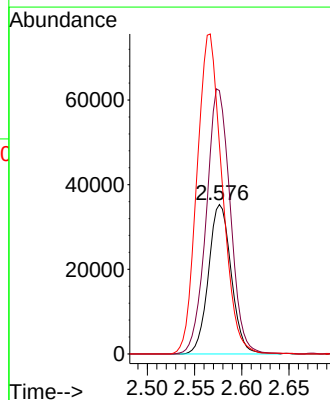
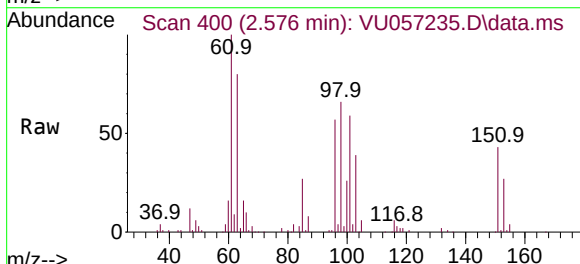
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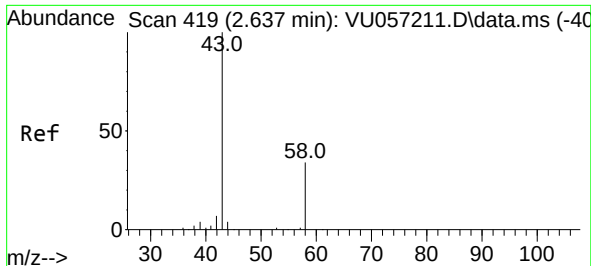
Tgt Ion:101 Resp: 70031
 Ion Ratio Lower Upper
 101 100
 85 43.6 35.6 53.4
 151 71.8 59.9 89.9



#12
 1,1-Dichloroethene
 Concen: 4.638 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057235.D
 Acq: 26 Dec 2023 14:29

Tgt Ion: 96 Resp: 58982
 Ion Ratio Lower Upper
 96 100
 61 176.2 119.6 222.0
 63 140.2 96.2 178.8





#13

Acetone

Concen: 54.227 ug/L

RT: 2.641 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Instrument :

MSVOA_U

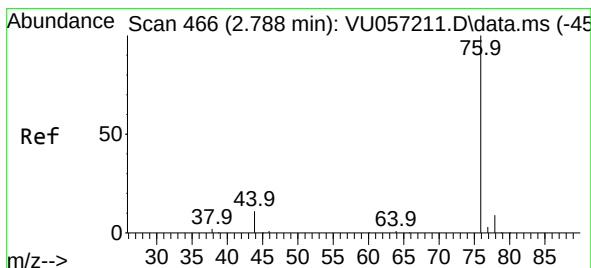
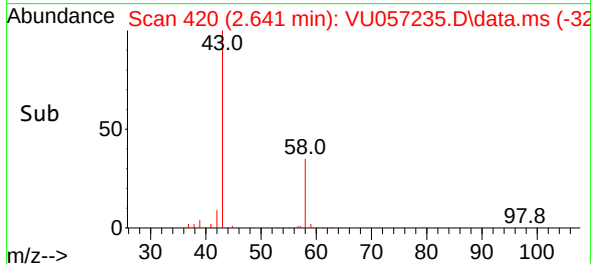
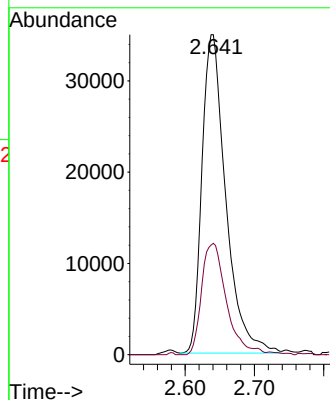
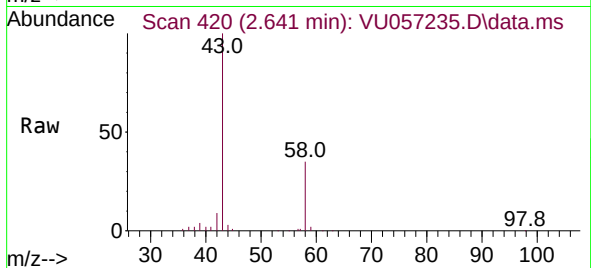
ClientSampleId :

Tgt Ion: 43 Resp: 83218

Ion Ratio Lower Upper

43 100

58 36.4 0.0 70.8



#14

Carbon disulfide

Concen: 4.369 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU057235.D

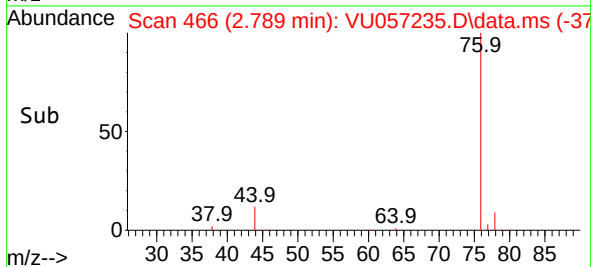
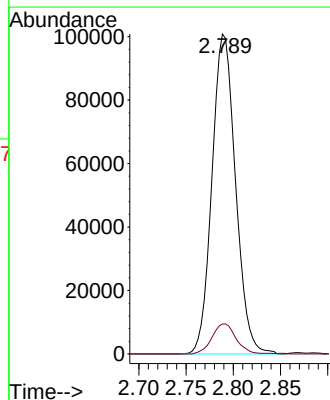
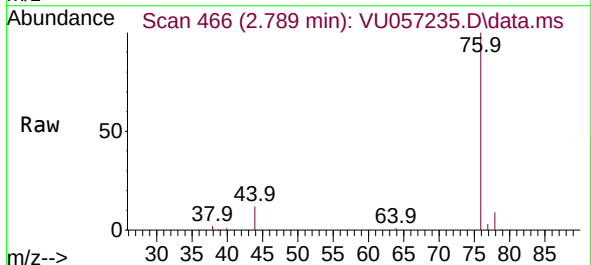
Acq: 26 Dec 2023 14:29

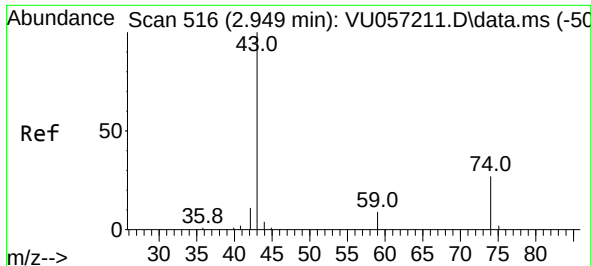
Tgt Ion: 76 Resp: 174814

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

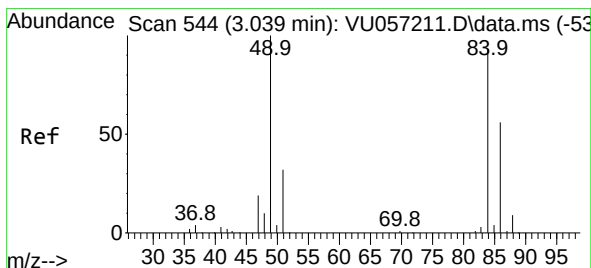
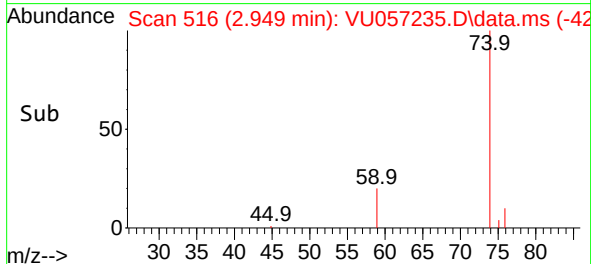
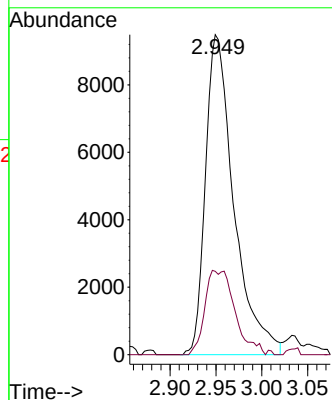
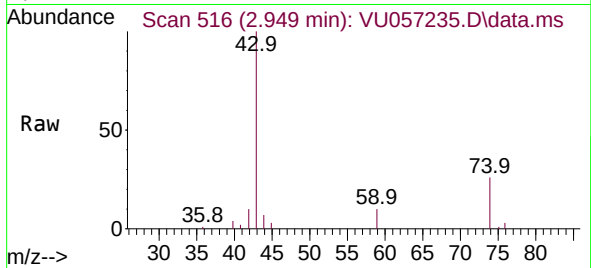




#15
Methyl Acetate
Concen: 5.636 ug/L
RT: 2.949 min Scan# 516
Delta R.T. 0.000 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

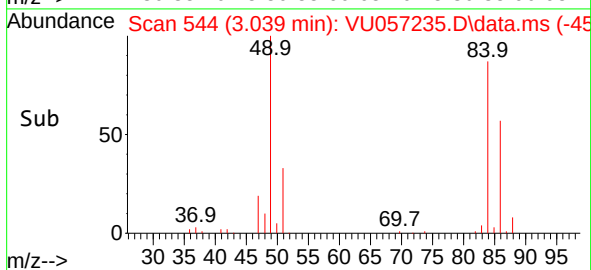
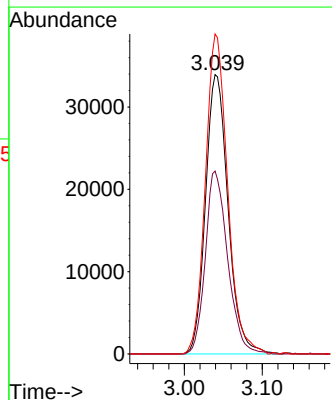
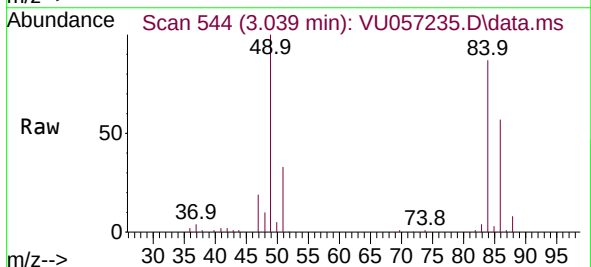
Instrument :
MSVOA_U
ClientSampleId :

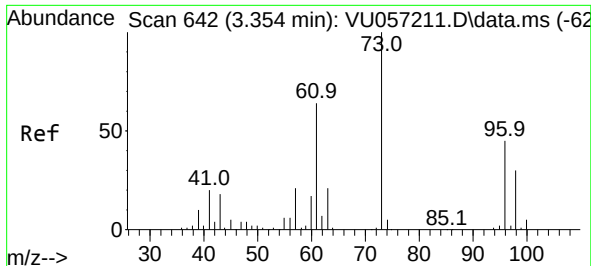
Tgt Ion: 43 Resp: 20398
Ion Ratio Lower Upper
43 100
74 27.8 22.8 34.2



#16
Methylene chloride
Concen: 4.619 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

Tgt Ion: 84 Resp: 68277
Ion Ratio Lower Upper
84 100
86 65.5 44.7 82.9
49 114.6 76.0 141.2

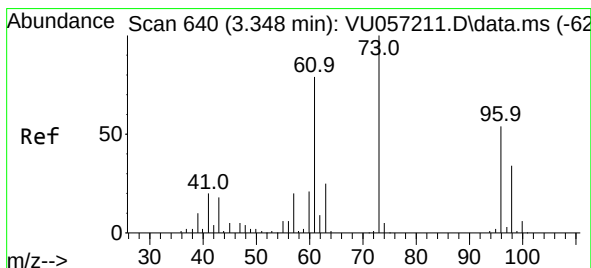
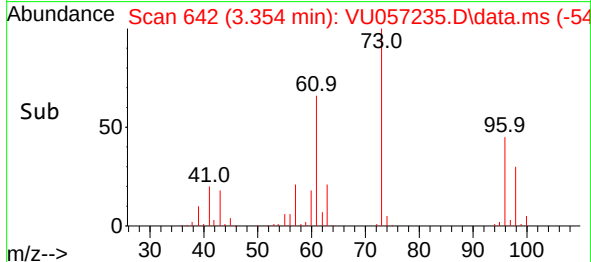
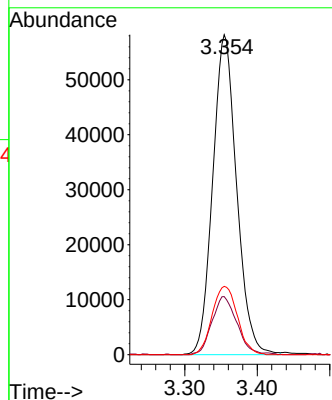
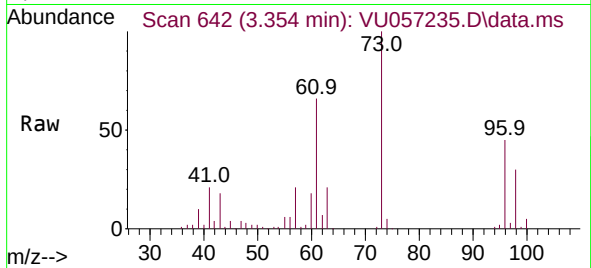




#17
Methyl tert-butyl Ether
Concen: 4.935 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

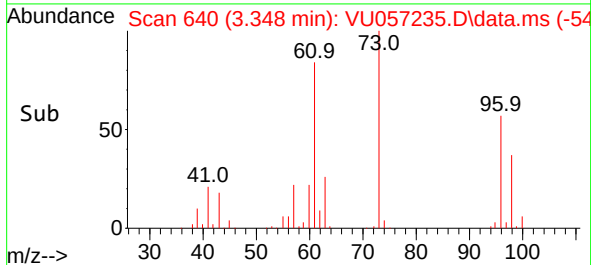
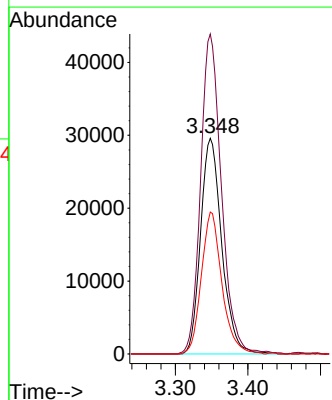
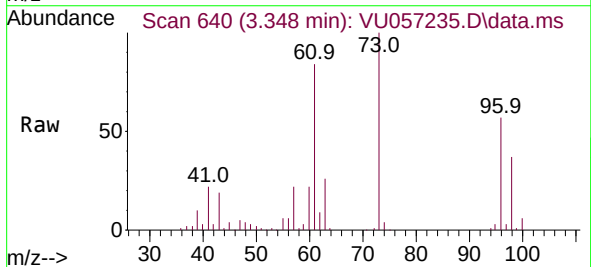
Instrument :
MSVOA_U
ClientSampleId :

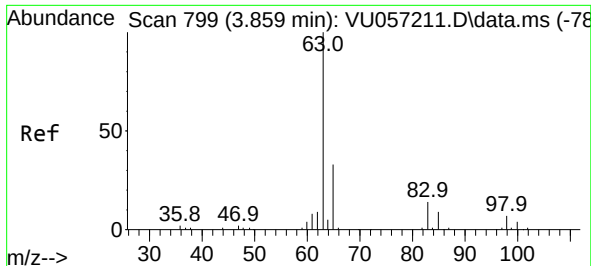
Tgt Ion: 73 Resp: 133270
Ion Ratio Lower Upper
73 100
43 18.9 15.4 23.0
57 22.6 16.2 24.2



#18
trans-1,2-Dichloroethene
Concen: 4.846 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

Tgt Ion: 96 Resp: 60090
Ion Ratio Lower Upper
96 100
61 148.4 98.4 182.8
98 65.8 43.6 81.0





#19

1,1-Dichloroethane

Concen: 4.991 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Instrument :

MSVOA_U

ClientSampleId :

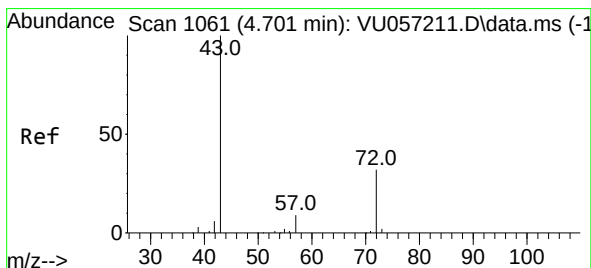
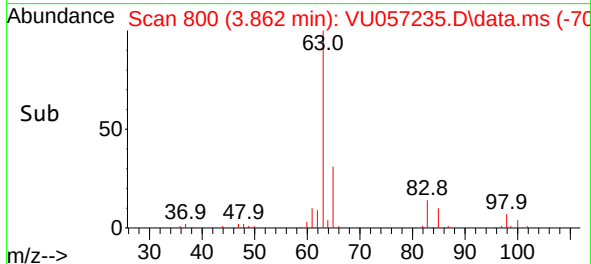
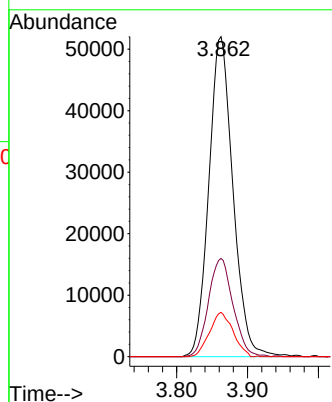
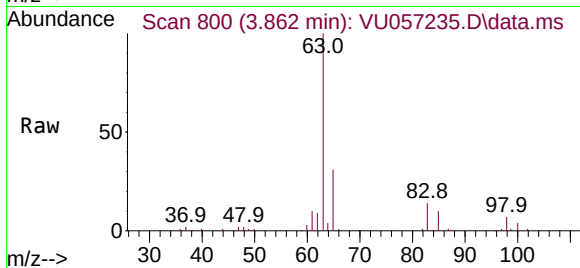
Tgt Ion: 63 Resp: 122829

Ion Ratio Lower Upper

63 100

65 30.7 21.6 40.2

83 13.9 10.2 19.0



#21

2-Butanone

Concen: 54.271 ug/L

RT: 4.702 min Scan# 1061

Delta R.T. 0.000 min

Lab File: VU057235.D

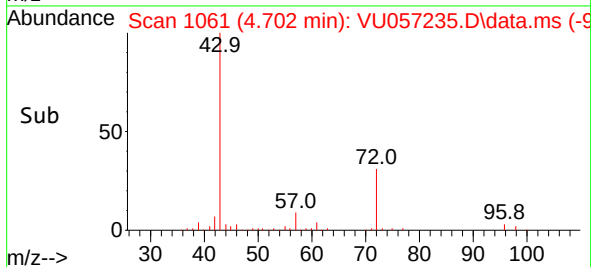
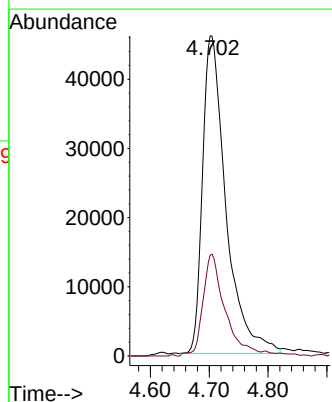
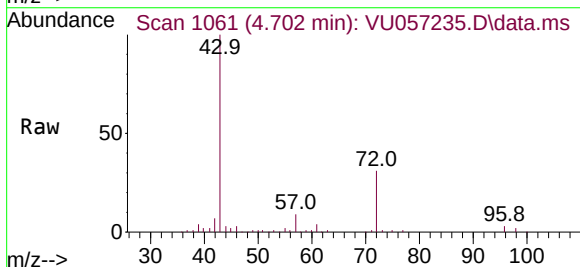
Acq: 26 Dec 2023 14:29

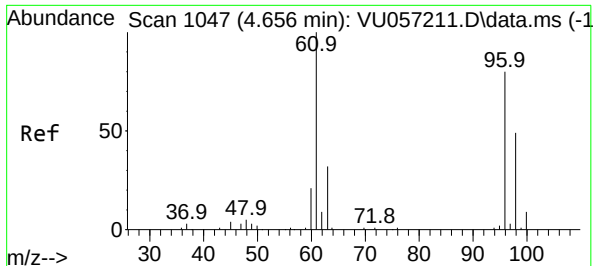
Tgt Ion: 43 Resp: 126930

Ion Ratio Lower Upper

43 100

72 29.9 16.3 48.8





#22

cis-1,2-Dichloroethene

Concen: 4.788 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.007 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Instrument :

MSVOA_U

ClientSampleId :

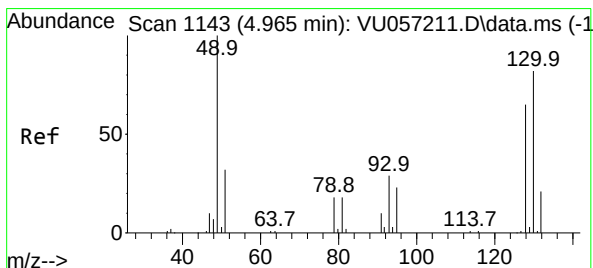
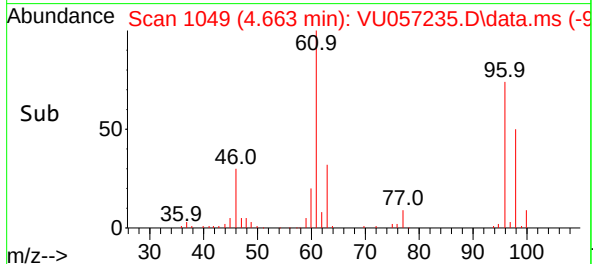
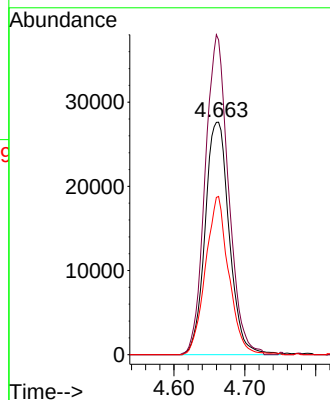
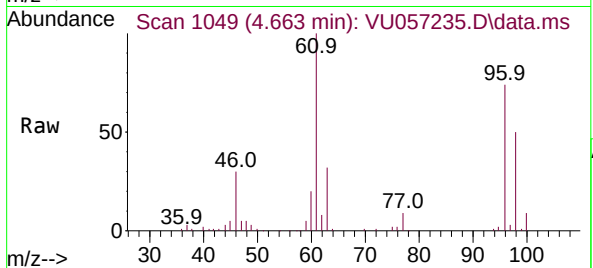
Tgt Ion: 96 Resp: 65387

Ion Ratio Lower Upper

96 100

61 135.4 86.8 161.2

98 68.1 45.5 84.5



#23

Bromochloromethane

Concen: 4.882 ug/L

RT: 4.972 min Scan# 1145

Delta R.T. 0.007 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Tgt Ion:128 Resp: 28888

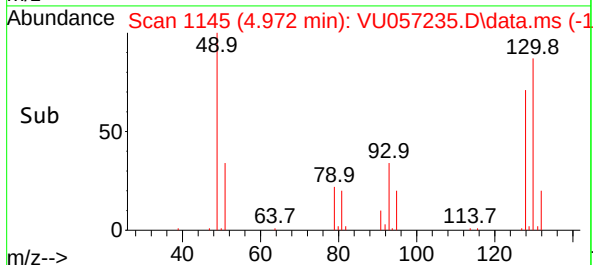
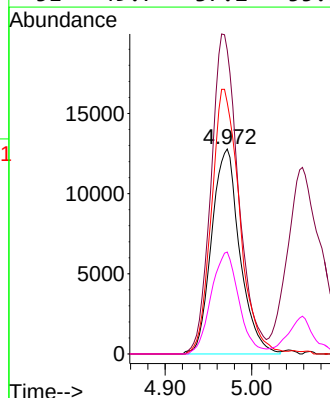
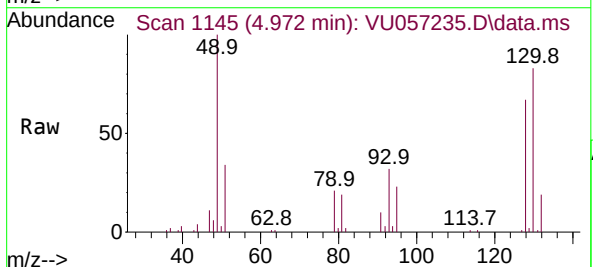
Ion Ratio Lower Upper

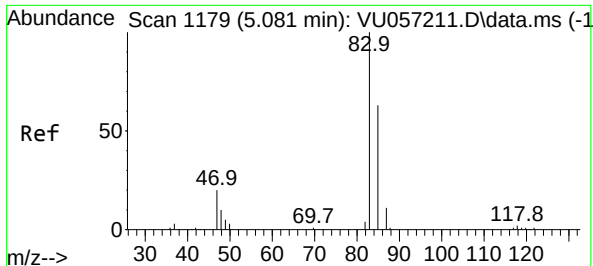
128 100

49 148.2 102.7 190.7

130 122.7 94.7 175.9

51 49.7 37.2 55.8





#25

Chloroform

Concen: 4.899 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Instrument :

MSVOA_U

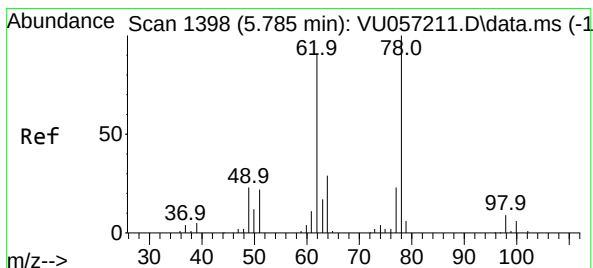
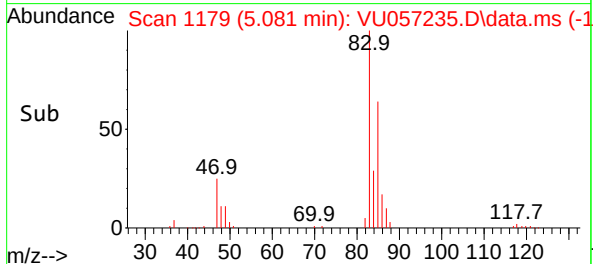
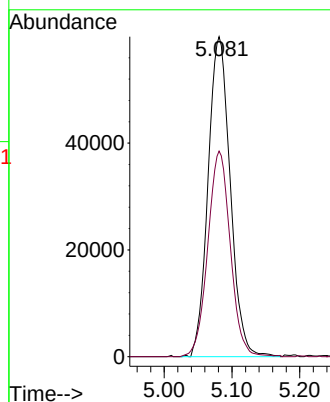
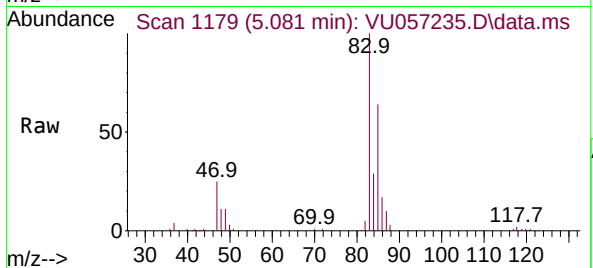
ClientSampleId :

Tgt Ion: 83 Resp: 135988

Ion Ratio Lower Upper

83 100

85 64.2 45.4 84.4



#27

1,2-Dichloroethane

Concen: 4.776 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.003 min

Lab File: VU057235.D

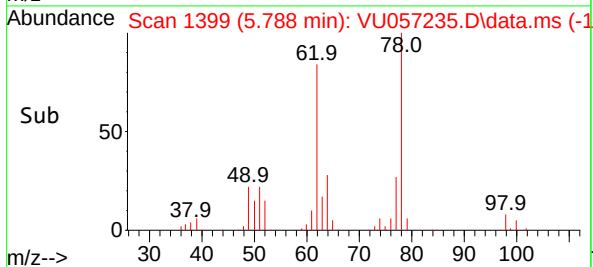
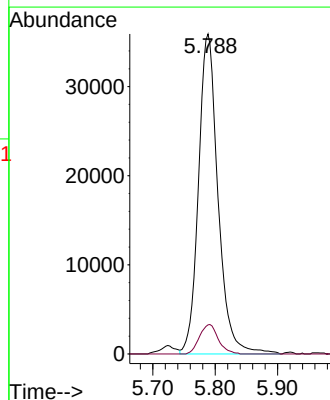
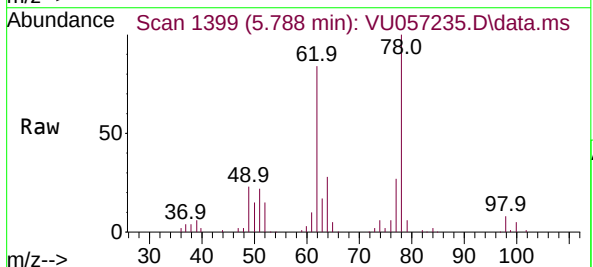
Acq: 26 Dec 2023 14:29

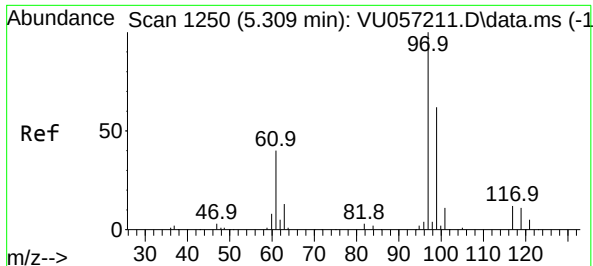
Tgt Ion: 62 Resp: 78210

Ion Ratio Lower Upper

62 100

98 9.1 6.3 9.5

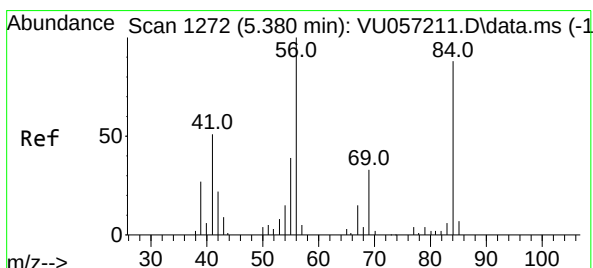
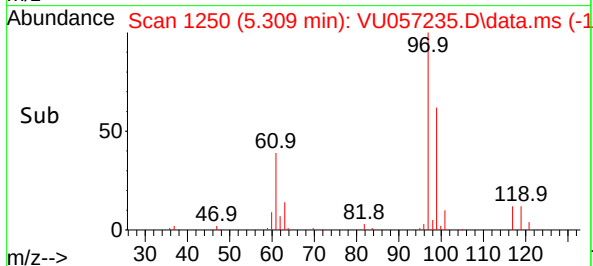
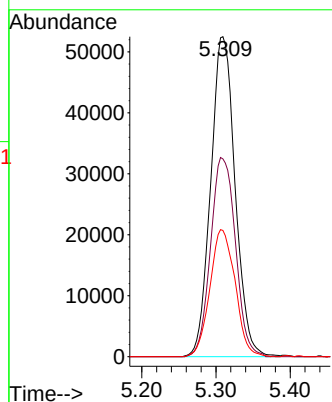
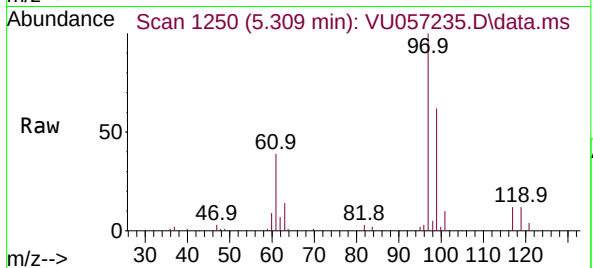




#29
1,1,1-Trichloroethane
Concen: 4.464 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

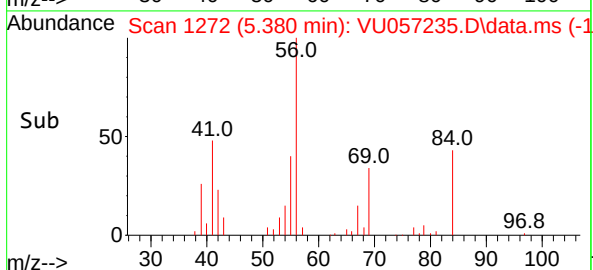
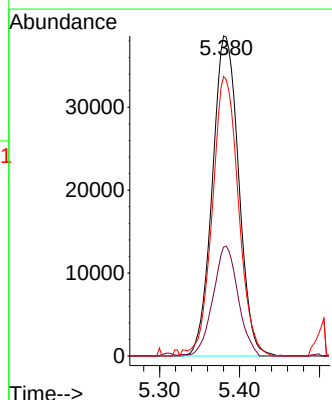
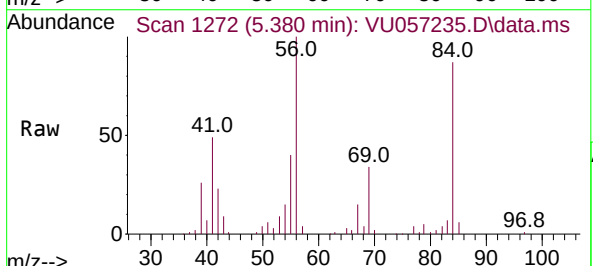
Instrument :
MSVOA_U
ClientSampleId :

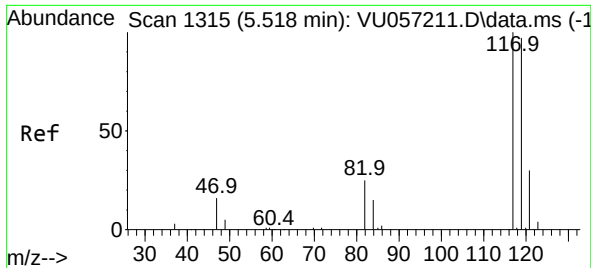
Tgt Ion:	97	Resp:	120154
Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.2	76.8
61	40.9	32.5	48.7



#30
Cyclohexane
Concen: 4.838 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

Tgt Ion:	56	Resp:	88039
Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.7	40.1
84	86.8	74.9	112.3

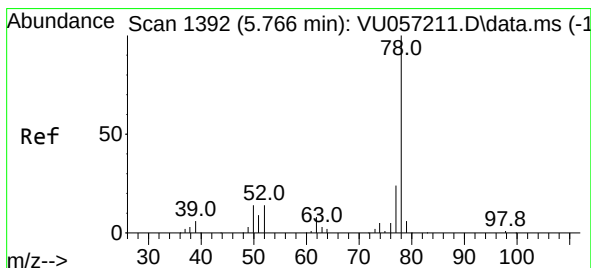
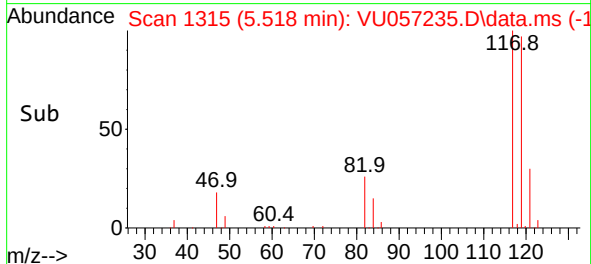
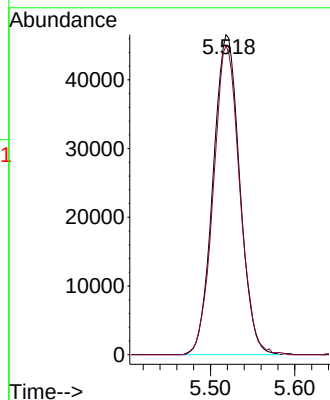
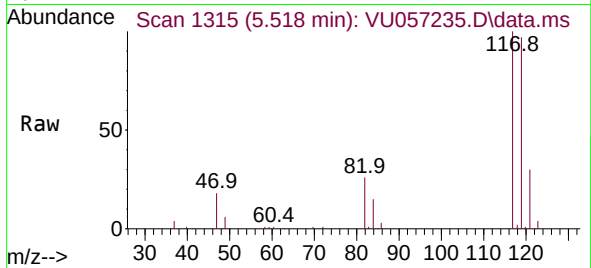




#31
Carbon tetrachloride
Concen: 4.305 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

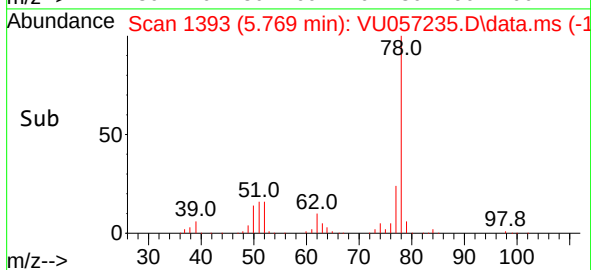
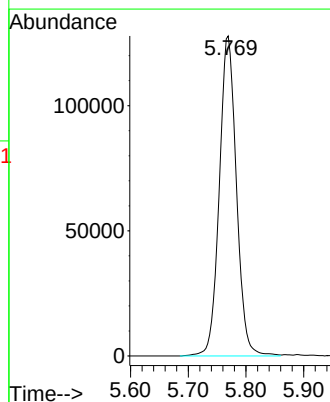
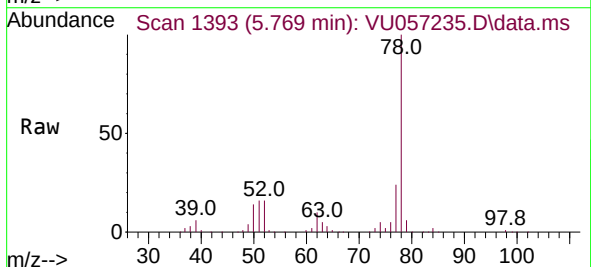
Instrument :
MSVOA_U
ClientSampleId :

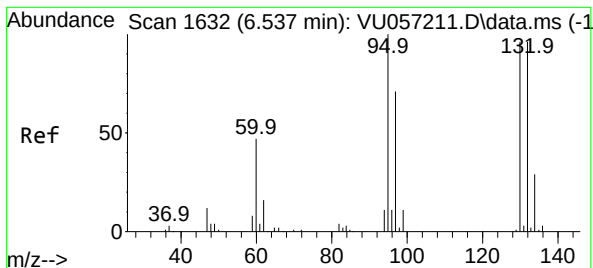
Tgt Ion:117 Resp: 101941
Ion Ratio Lower Upper
117 100
119 96.0 75.1 112.7



#33
Benzene
Concen: 4.907 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

Tgt Ion: 78 Resp: 263435





#34

Trichloroethene

Concen: 4.550 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 71441

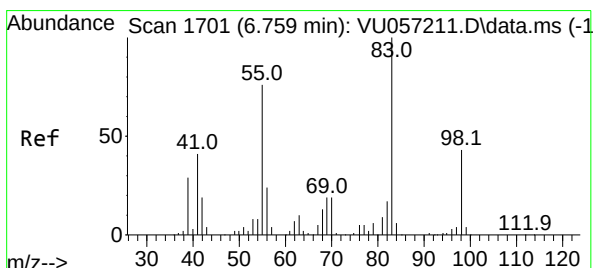
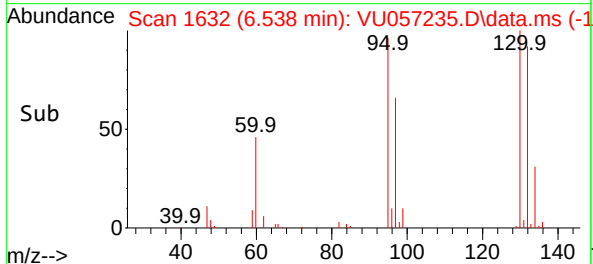
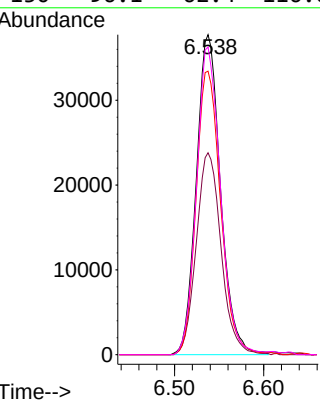
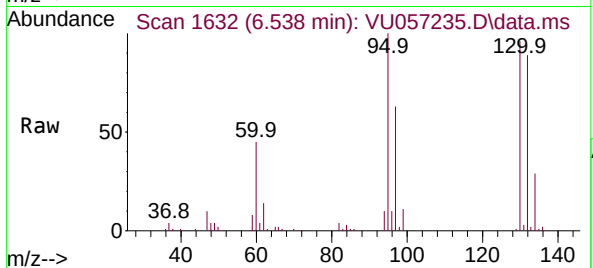
Ion Ratio Lower Upper

95 100

97 63.1 44.3 82.3

132 88.6 62.6 116.2

130 96.1 62.4 116.0



#35

Methylcyclohexane

Concen: 4.578 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.003 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

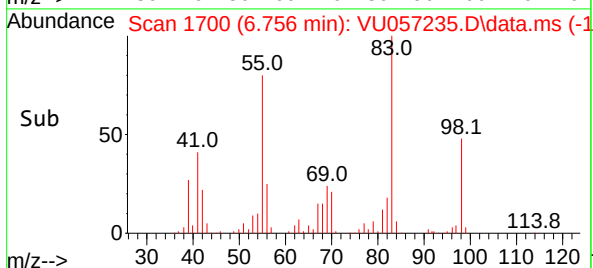
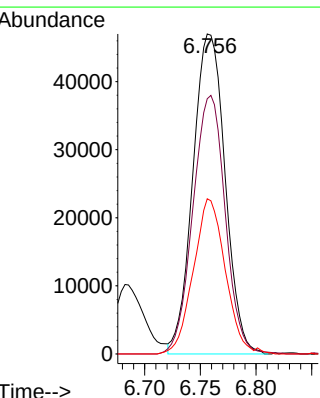
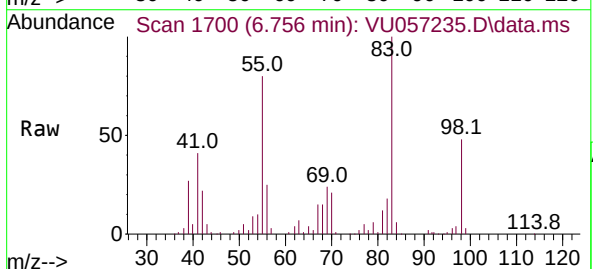
Tgt Ion: 83 Resp: 94624

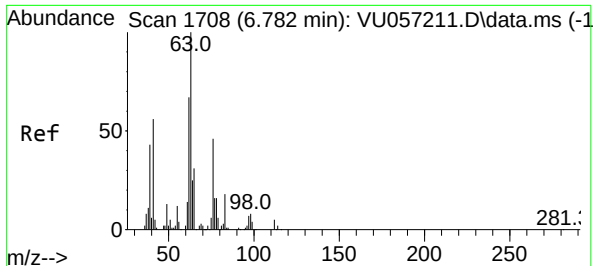
Ion Ratio Lower Upper

83 100

55 81.0 61.3 91.9

98 48.1 36.6 55.0

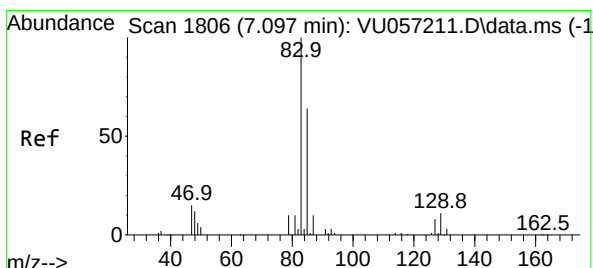
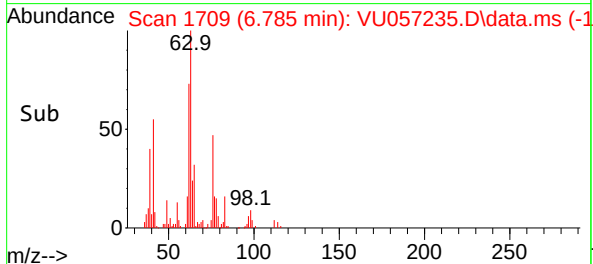
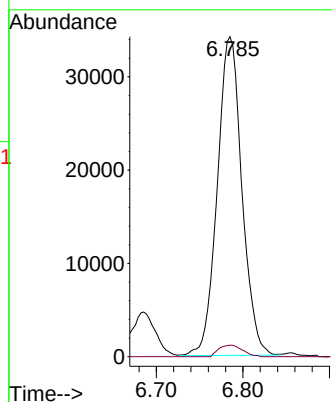
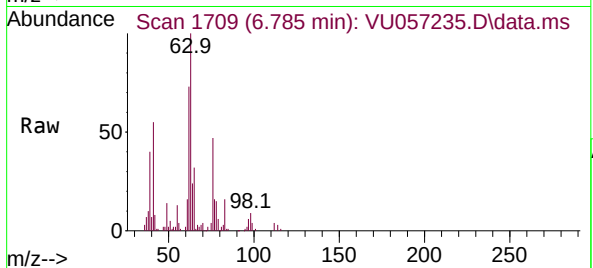




#37
1,2-Dichloropropane
Concen: 5.058 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

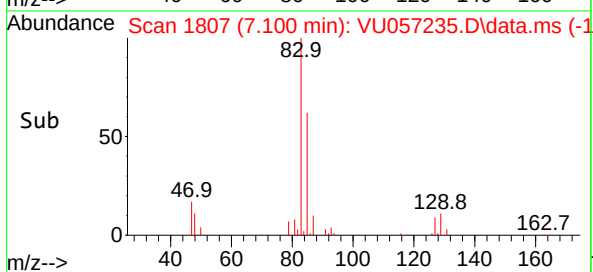
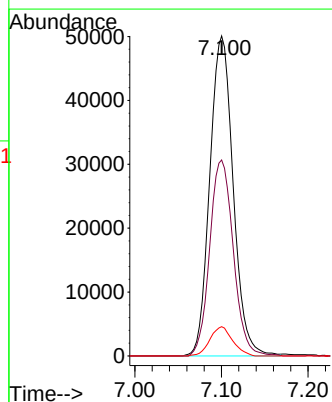
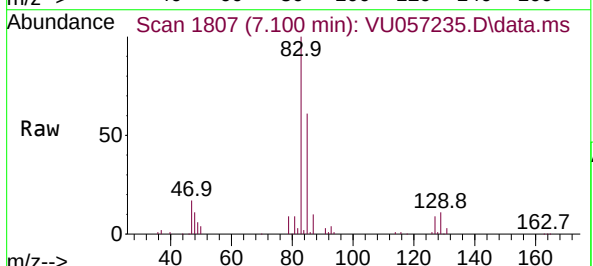
Instrument :
MSVOA_U
ClientSampleId :

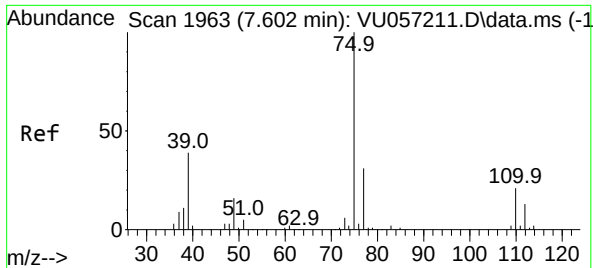
Tgt Ion: 63 Resp: 67550
Ion Ratio Lower Upper
63 100
112 3.5 3.1 4.7



#38
Bromodichloromethane
Concen: 4.864 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

Tgt Ion: 83 Resp: 93985
Ion Ratio Lower Upper
83 100
85 61.3 45.8 85.0
127 9.2 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 4.835 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Instrument :

MSVOA_U

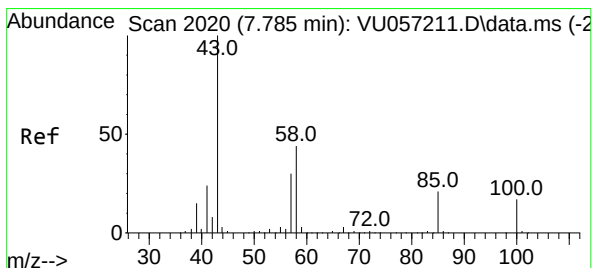
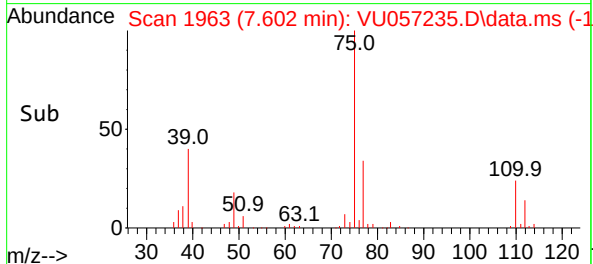
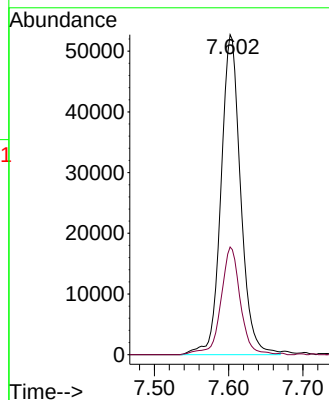
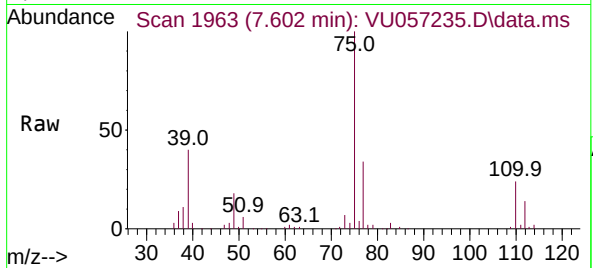
ClientSampleId :

Tgt Ion: 75 Resp: 97147

Ion Ratio Lower Upper

75 100

77 33.6 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 53.445 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

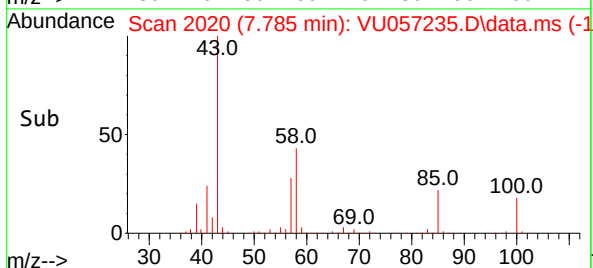
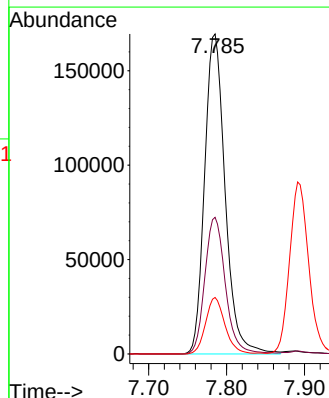
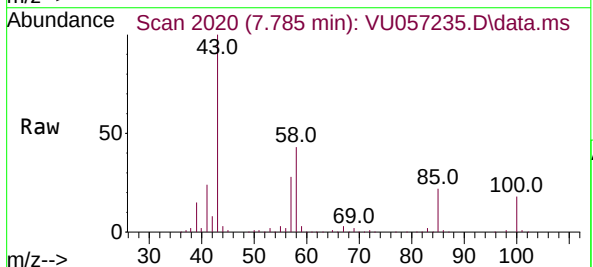
Tgt Ion: 43 Resp: 310305

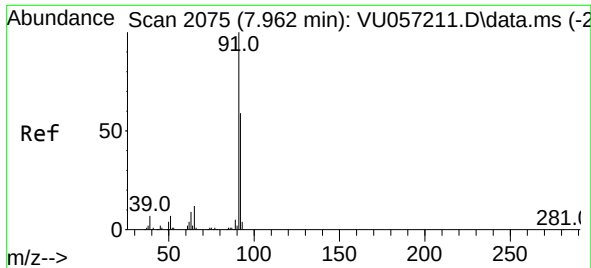
Ion Ratio Lower Upper

43 100

58 42.8 34.8 52.2

100 16.7 14.6 21.8





#42

Toluene

Concen: 4.941 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Instrument :

MSVOA_U

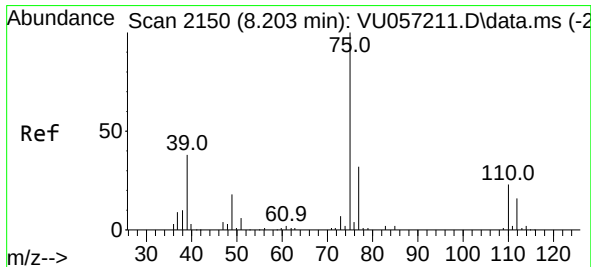
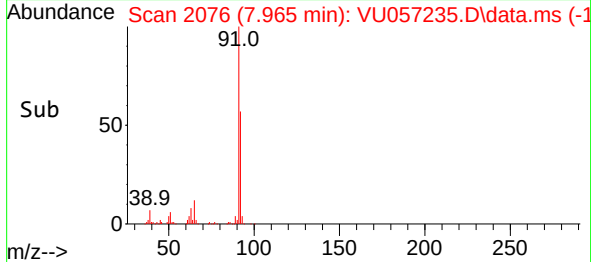
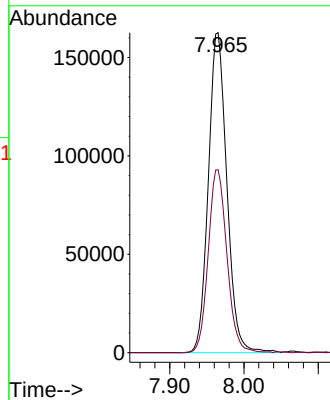
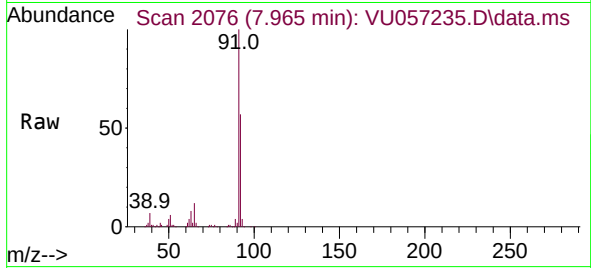
ClientSampleId :

Tgt Ion: 91 Resp: 281149

Ion Ratio Lower Upper

91 100

92 57.2 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.861 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU057235.D

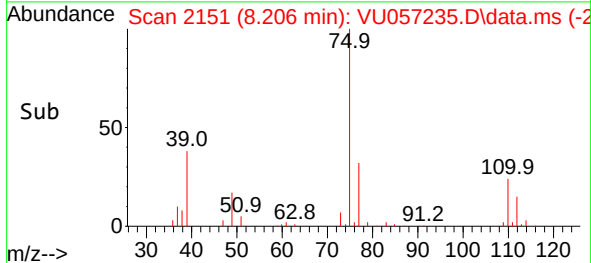
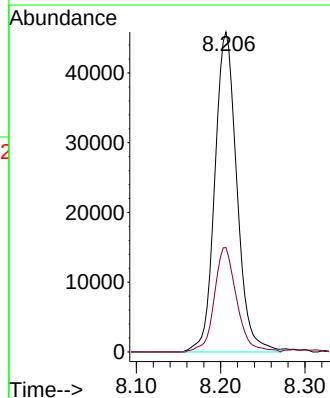
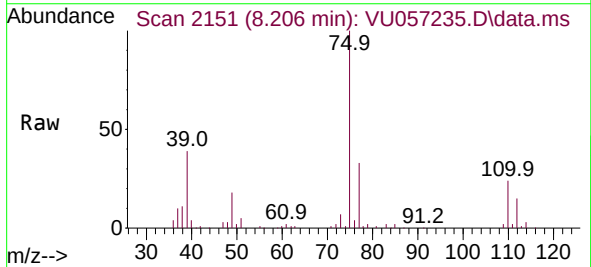
Acq: 26 Dec 2023 14:29

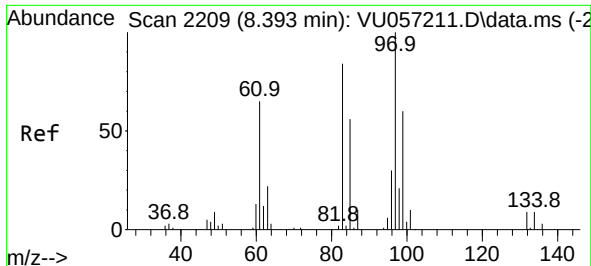
Tgt Ion: 75 Resp: 83354

Ion Ratio Lower Upper

75 100

77 32.6 21.4 39.8

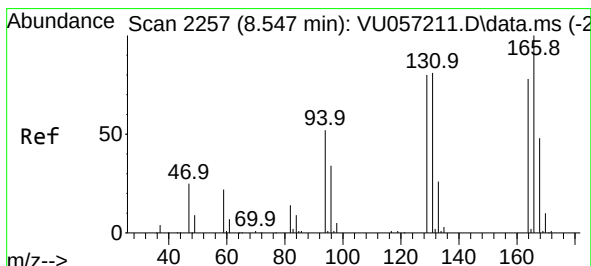
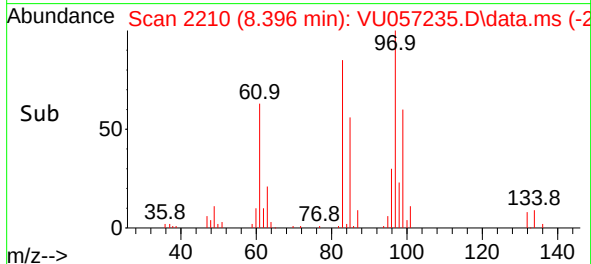
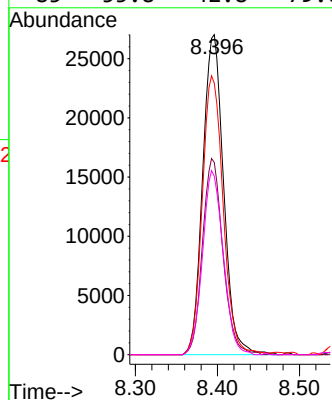
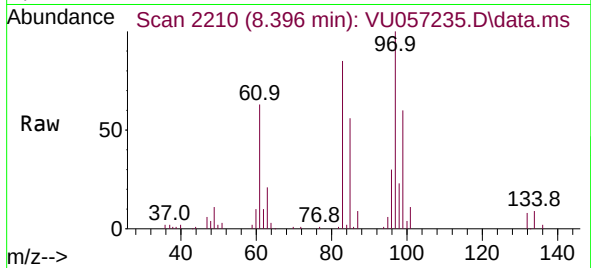




#45
1,1,2-Trichloroethane
Concen: 5.180 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.003 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

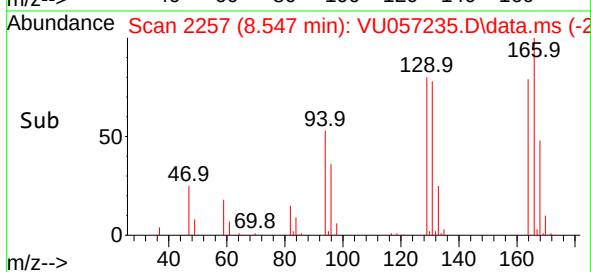
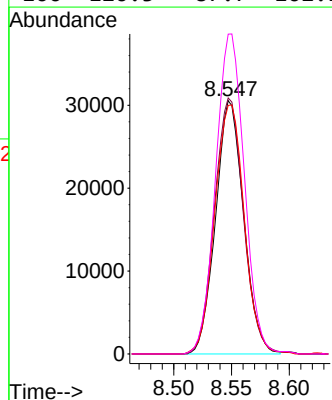
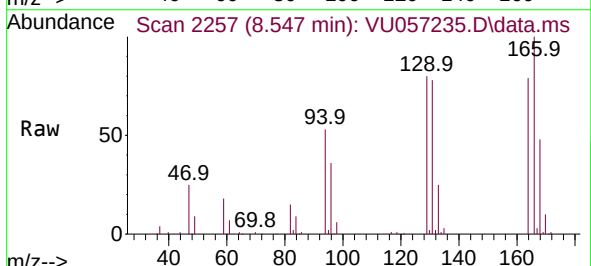
Instrument :
MSVOA_U
ClientSampleId :

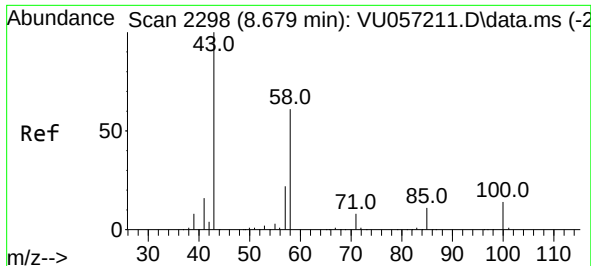
Tgt Ion:	97	Resp:	47735
Ion	Ratio	Lower	Upper
97	100		
99	60.1	47.0	87.2
83	84.8	62.1	115.3
85	55.8	42.8	79.6



#47
Tetrachloroethene
Concen: 4.590 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

Tgt Ion:	164	Resp:	51645
Ion	Ratio	Lower	Upper
164	100		
129	101.1	72.9	135.3
131	98.2	71.7	133.3
166	126.3	87.7	162.9

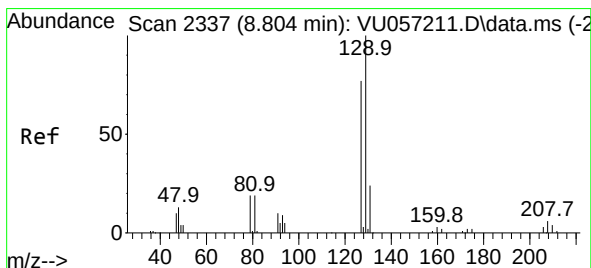
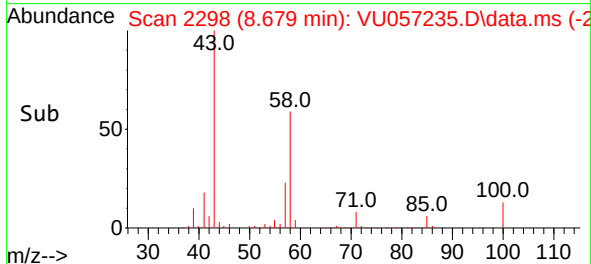
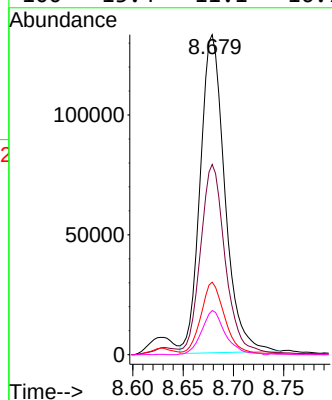
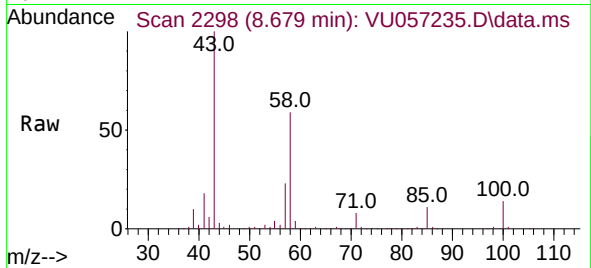




#48
2-Hexanone
Concen: 52.832 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

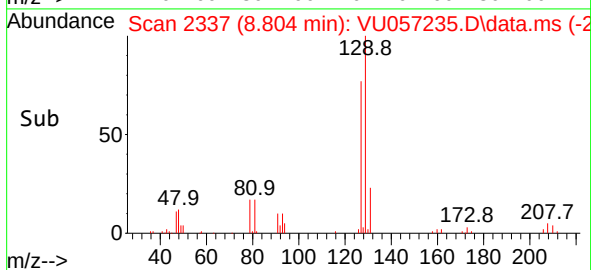
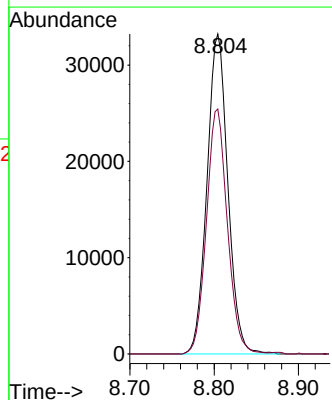
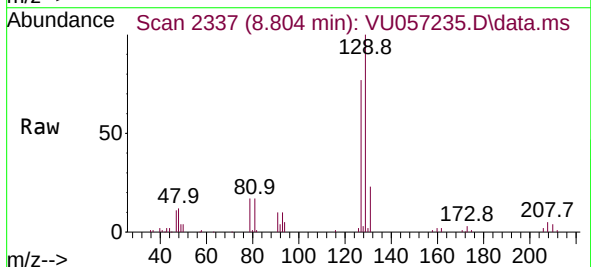
Instrument :
MSVOA_U
ClientSampleId :

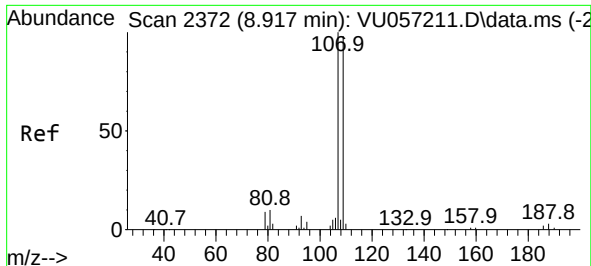
Tgt Ion:	43	Resp:	225686
Ion	Ratio	Lower	Upper
43	100		
58	60.1	49.8	74.8
57	22.2	18.5	27.7
100	13.4	11.1	16.7



#49
Dibromochloromethane
Concen: 4.793 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

Tgt Ion:	129	Resp:	57250
Ion	Ratio	Lower	Upper
129	100		
127	76.5	55.2	102.6





#50

1,2-Dibromoethane

Concen: 5.033 ug/L

RT: 8.917 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057235.D

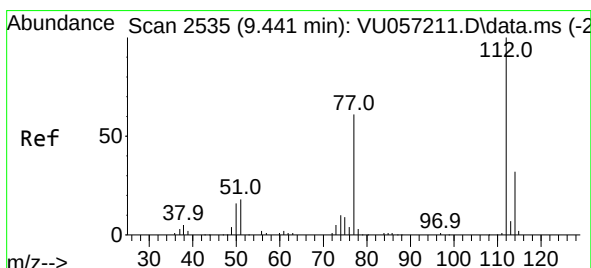
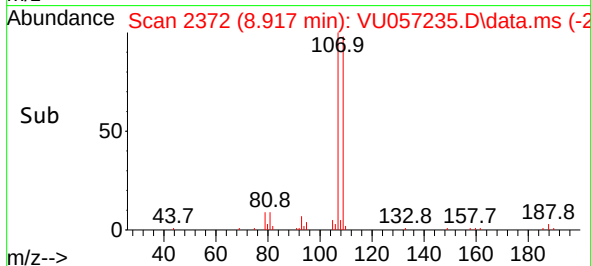
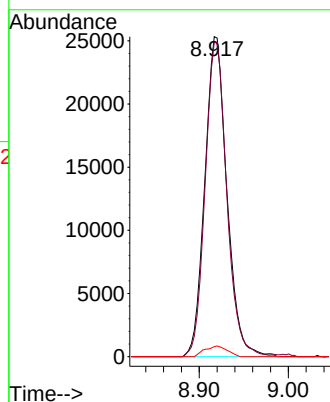
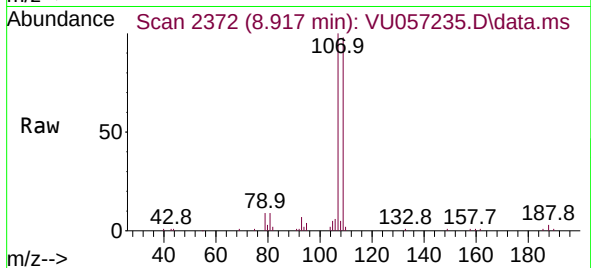
Acq: 26 Dec 2023 14:29

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	43540
Ion	Ratio	Lower Upper
107	100	
109	98.2	66.8 124.2
188	3.2	2.6 4.0



#51

Chlorobenzene

Concen: 4.762 ug/L

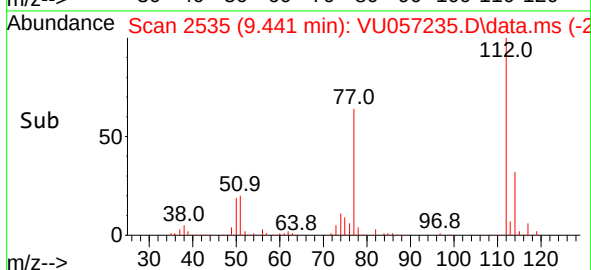
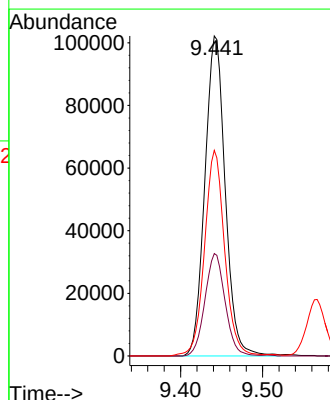
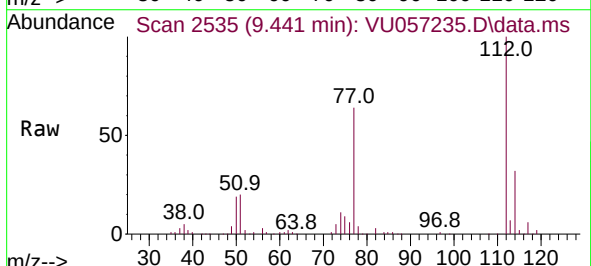
RT: 9.441 min Scan# 2535

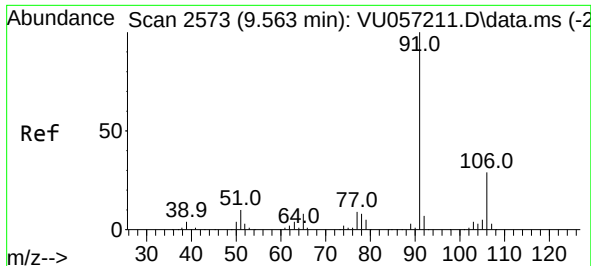
Delta R.T. 0.000 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Tgt Ion:112	Resp:	176377
Ion	Ratio	Lower Upper
112	100	
114	32.0	22.7 42.1
77	64.2	52.2 78.2

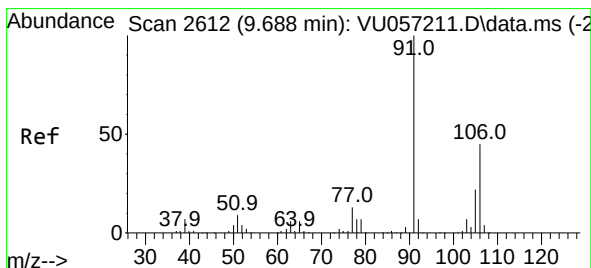
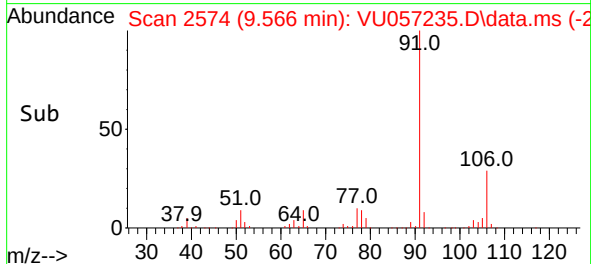
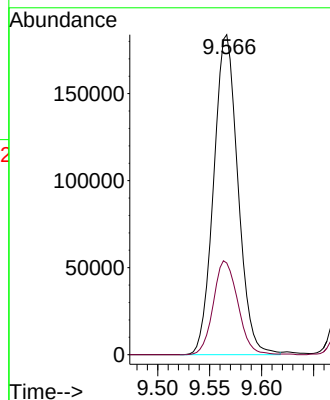
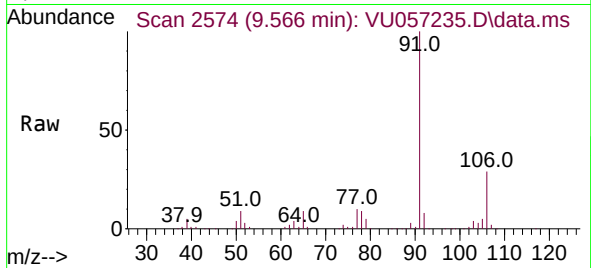




#52
Ethylbenzene
Concen: 4.656 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

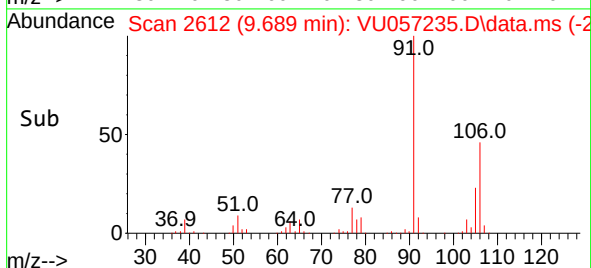
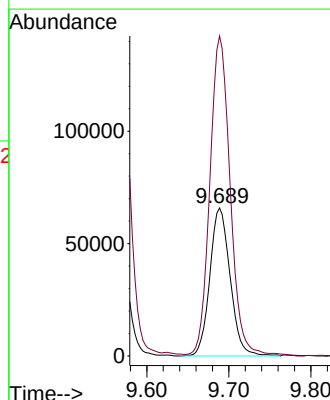
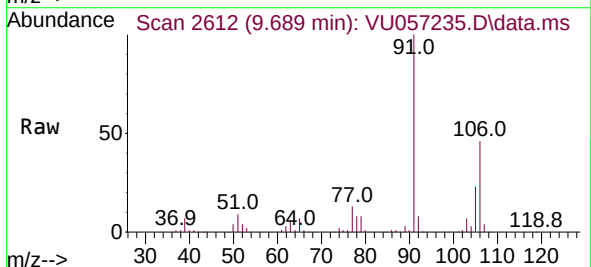
Instrument :
MSVOA_U
ClientSampleId :

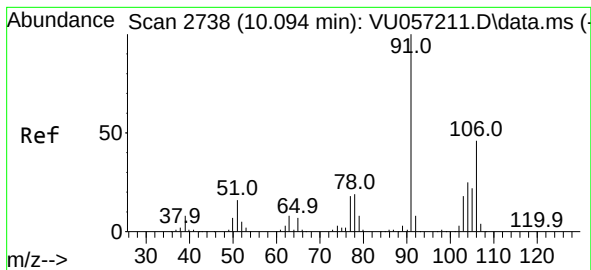
Tgt Ion: 91 Resp: 298518
Ion Ratio Lower Upper
91 100
106 28.7 21.6 40.2



#53
m,p-Xylene
Concen: 4.846 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

Tgt Ion:106 Resp: 113651
Ion Ratio Lower Upper
106 100
91 216.2 154.5 286.9





#54

o-Xylene

Concen: 4.677 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Instrument :

MSVOA_U

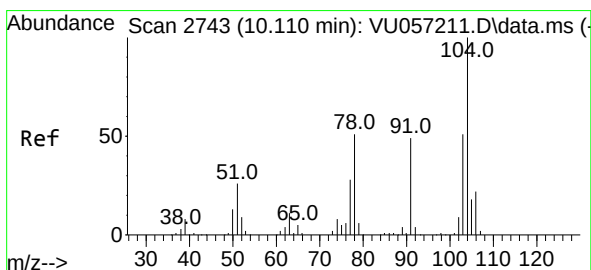
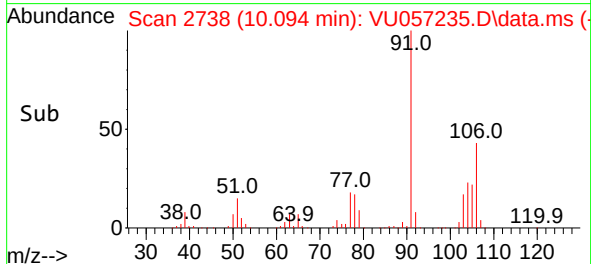
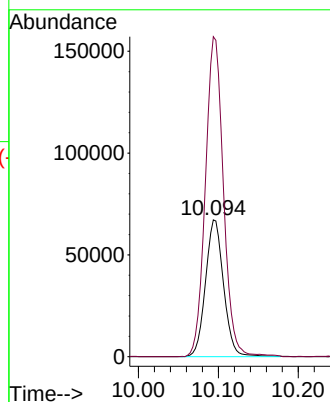
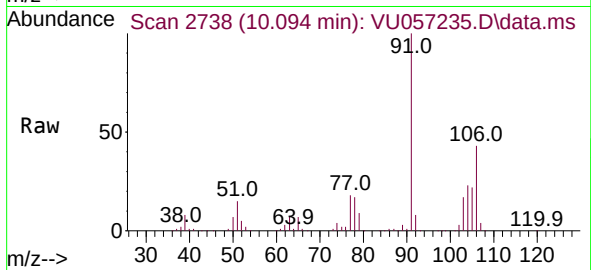
ClientSampleId :

Tgt Ion:106 Resp: 105832

Ion Ratio Lower Upper

106 100

91 233.9 165.4 307.2



#55

Styrene

Concen: 4.968 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU057235.D

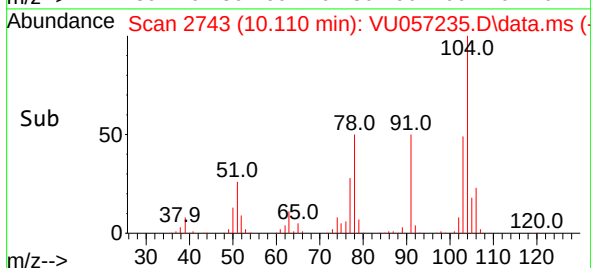
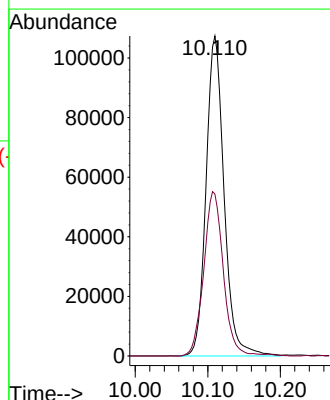
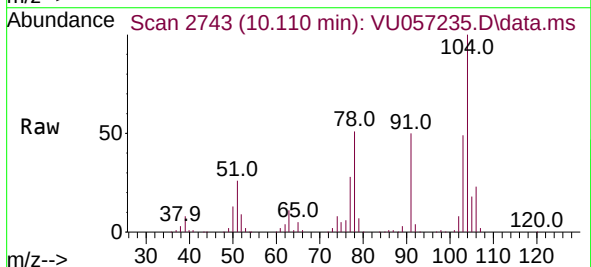
Acq: 26 Dec 2023 14:29

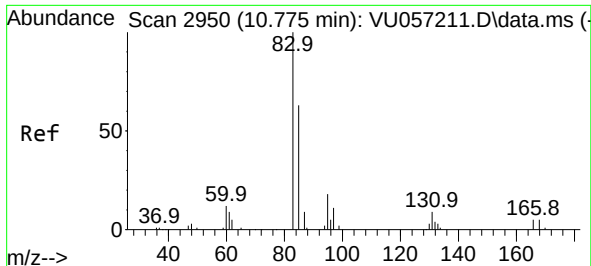
Tgt Ion:104 Resp: 185424

Ion Ratio Lower Upper

104 100

78 50.6 35.8 66.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.093 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Instrument :

MSVOA_U

ClientSampleId :

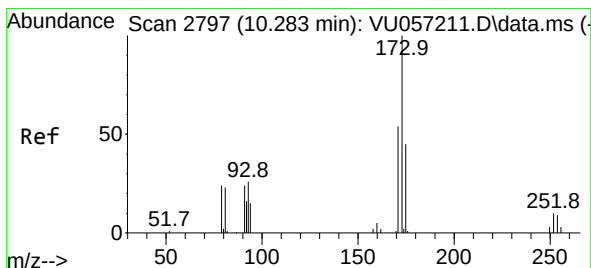
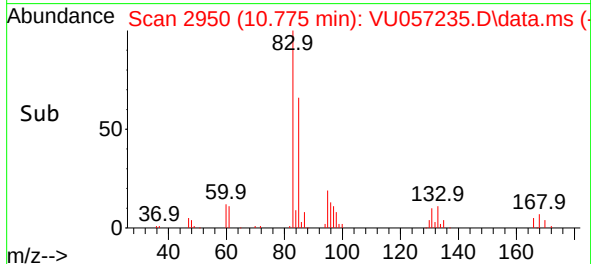
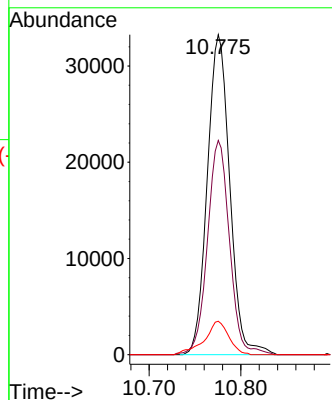
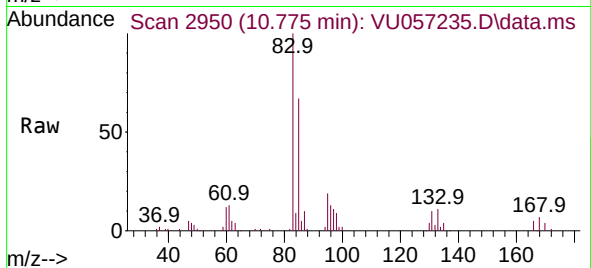
Tgt Ion: 83 Resp: 56589

Ion Ratio Lower Upper

83 100

85 67.0 45.8 85.2

131 10.5 7.0 10.6



#59

Bromoform

Concen: 4.615 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

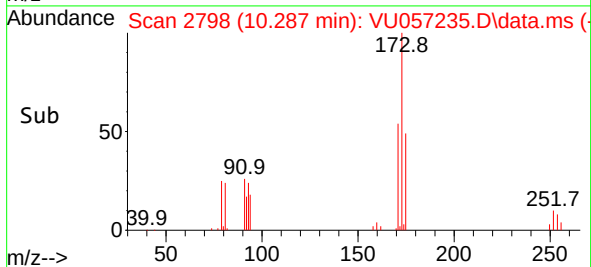
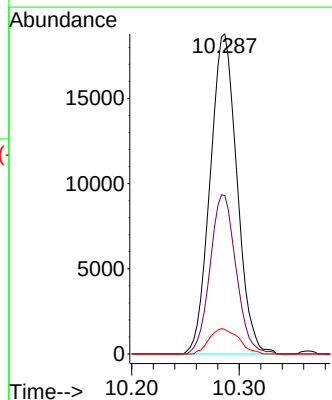
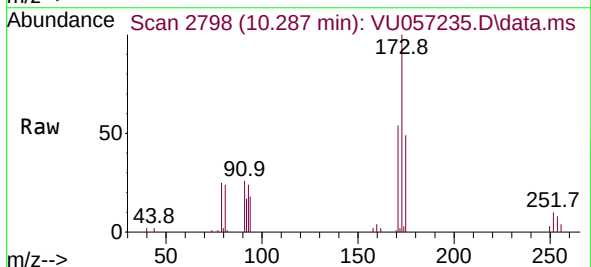
Tgt Ion:173 Resp: 32575

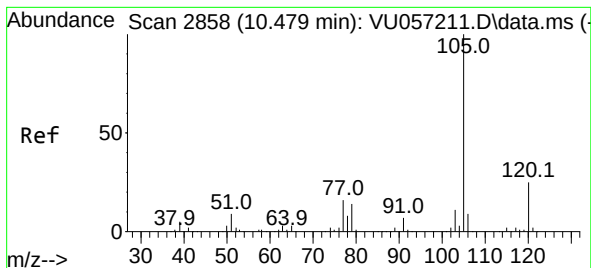
Ion Ratio Lower Upper

173 100

175 48.2 40.5 60.7

254 8.7 8.1 12.1





#60

Isopropylbenzene

Concen: 4.430 ug/L

RT: 10.480 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Instrument :

MSVOA_U

ClientSampleId :

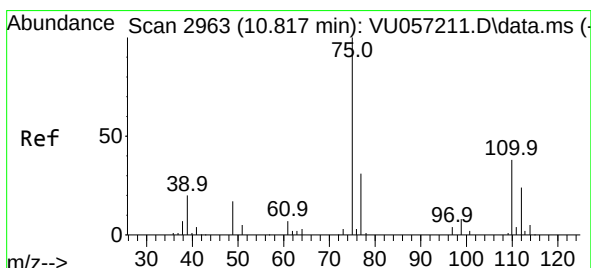
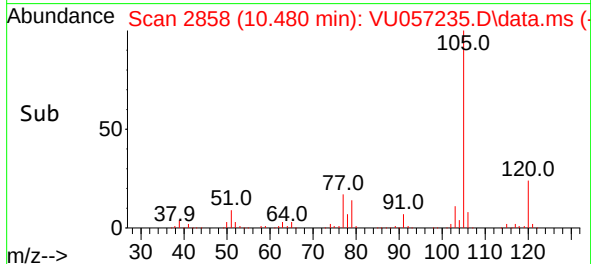
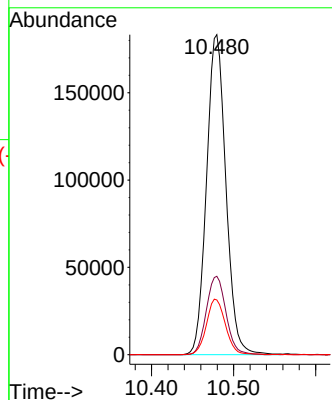
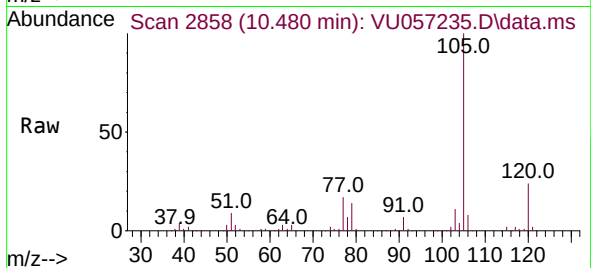
Tgt Ion:105 Resp: 300441

Ion Ratio Lower Upper

105 100

120 24.9 19.8 29.8

77 17.1 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 4.584 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

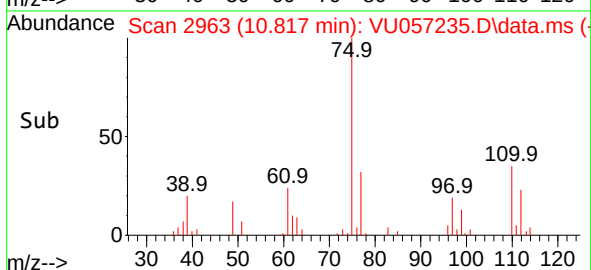
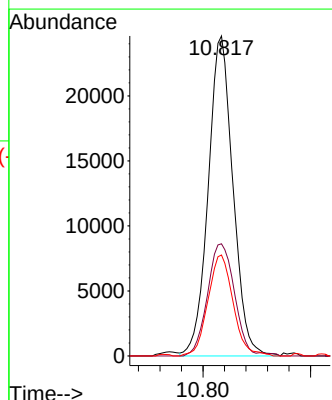
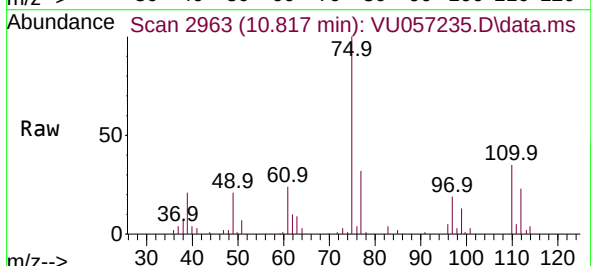
Tgt Ion: 75 Resp: 39285

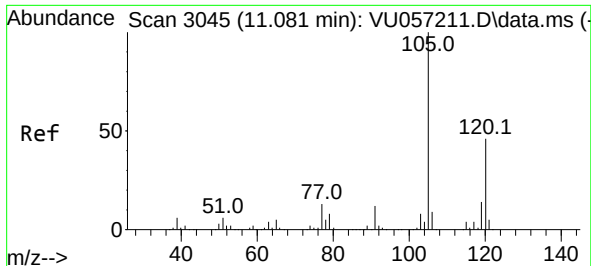
Ion Ratio Lower Upper

75 100

110 38.5 31.2 46.8

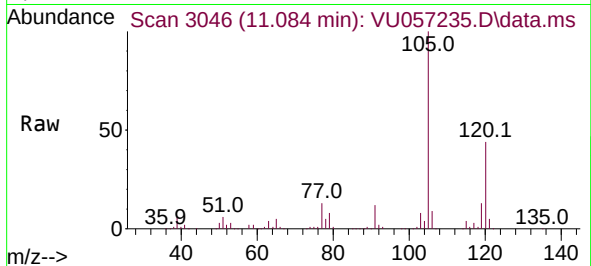
77 32.1 25.5 38.3



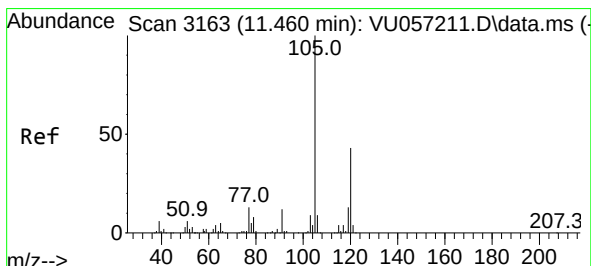
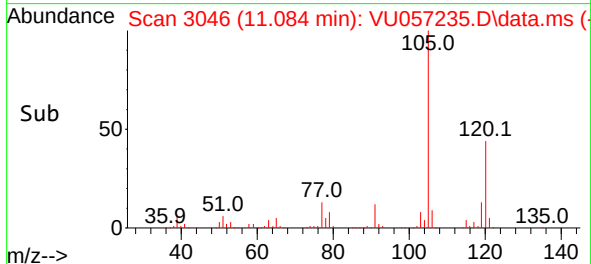
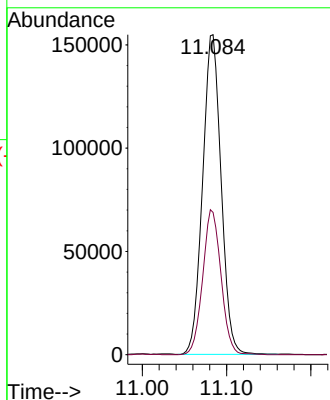


#62
1,3,5-Trimethylbenzene
Concen: 4.263 ug/L
RT: 11.084 min Scan# 3045
Delta R.T. 0.003 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

Instrument :
MSVOA_U
ClientSampleId :

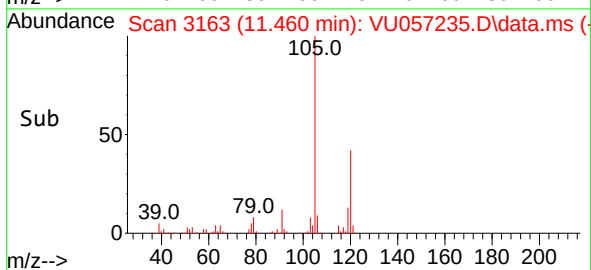
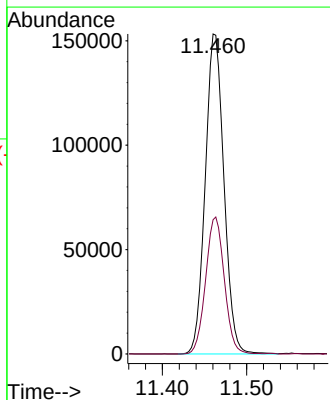
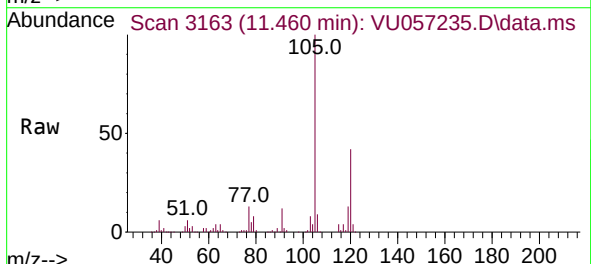


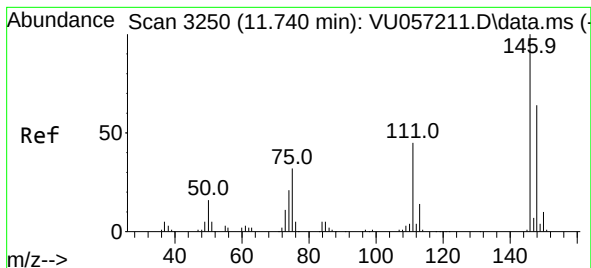
Tgt Ion:105 Resp: 236894
Ion Ratio Lower Upper
105 100
120 44.8 35.8 53.8



#63
1,2,4-Trimethylbenzene
Concen: 4.323 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU057235.D
Acq: 26 Dec 2023 14:29

Tgt Ion:105 Resp: 237056
Ion Ratio Lower Upper
105 100
120 42.7 33.9 50.9





#64

1,3-Dichlorobenzene

Concen: 4.588 ug/L

RT: 11.740 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Instrument :

MSVOA_U

ClientSampleId :

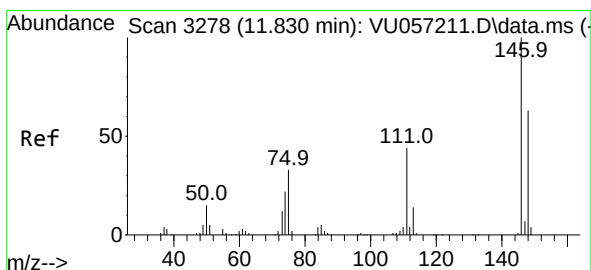
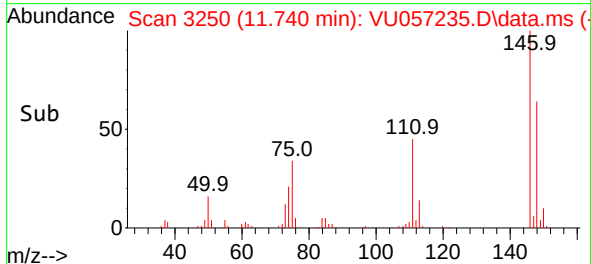
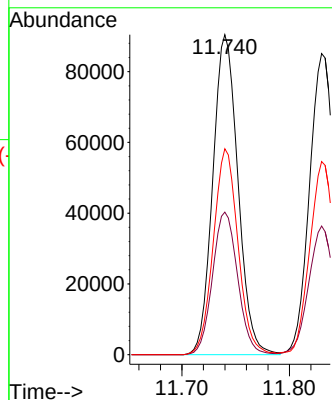
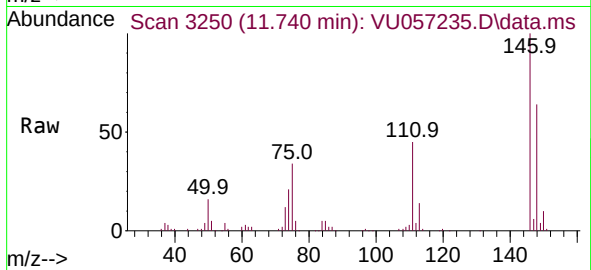
Tgt Ion:146 Resp: 147058

Ion Ratio Lower Upper

146 100

111 44.5 30.4 56.4

148 64.4 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 4.399 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

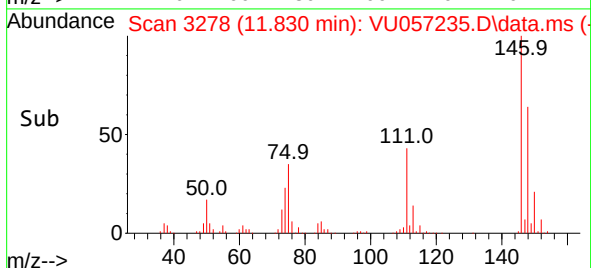
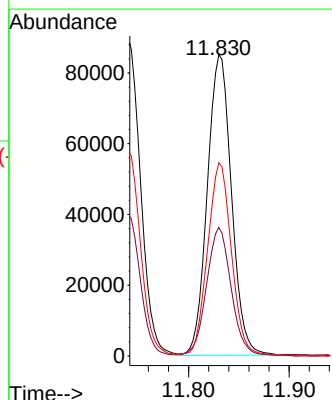
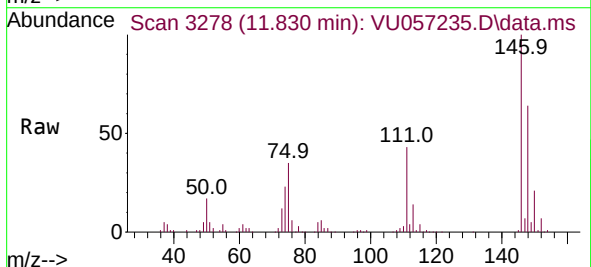
Tgt Ion:146 Resp: 141940

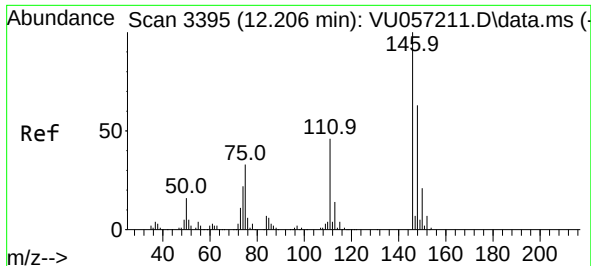
Ion Ratio Lower Upper

146 100

111 42.7 28.1 52.3

148 64.1 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 4.490 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Instrument :

MSVOA_U

ClientSampleId :

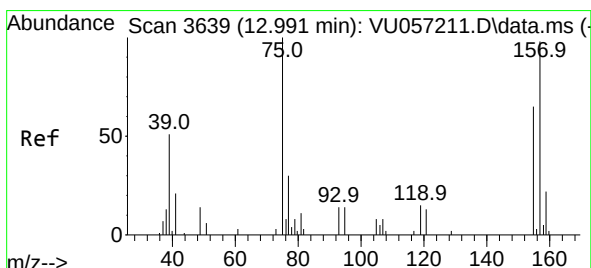
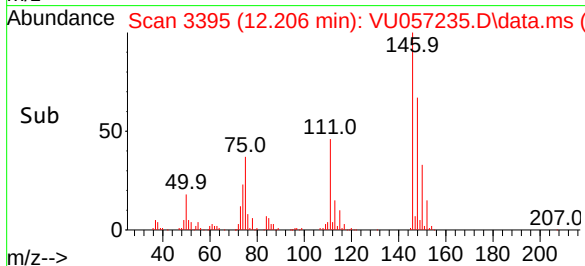
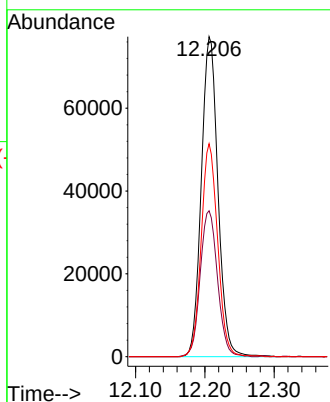
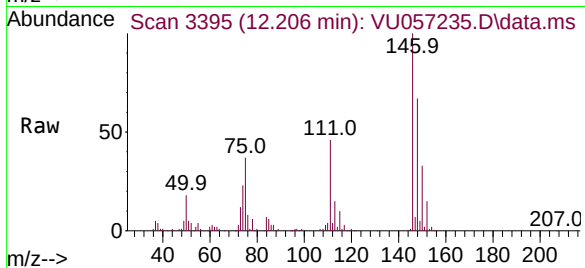
Tgt Ion:146 Resp: 128719

Ion Ratio Lower Upper

146 100

111 45.6 37.9 56.9

148 66.5 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 4.316 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

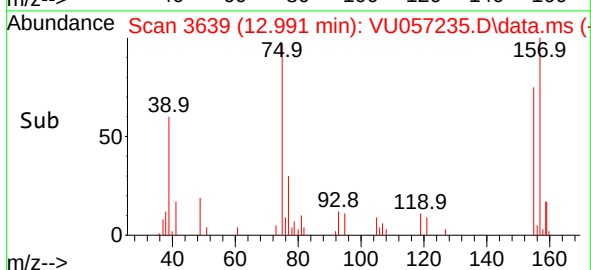
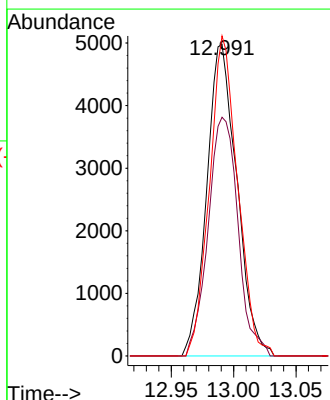
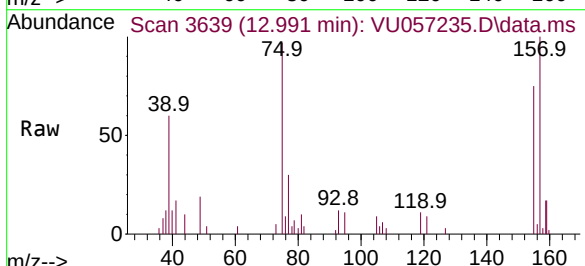
Tgt Ion: 75 Resp: 8390

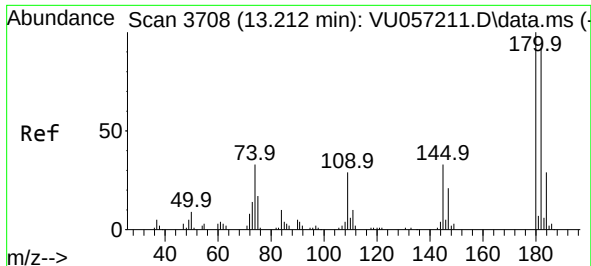
Ion Ratio Lower Upper

75 100

155 76.6 61.4 92.0

157 102.7 80.2 120.2





#69

1,3,5-Trichlorobenzene

Concen: 4.401 ug/L

RT: 13.213 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 104942

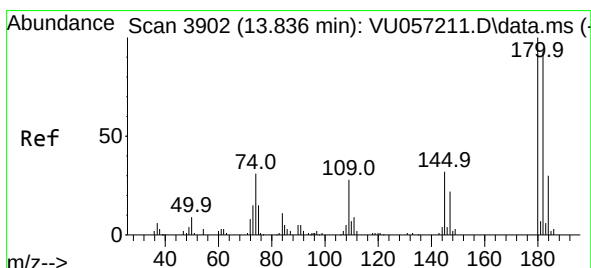
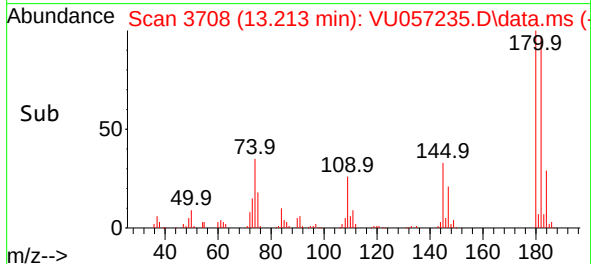
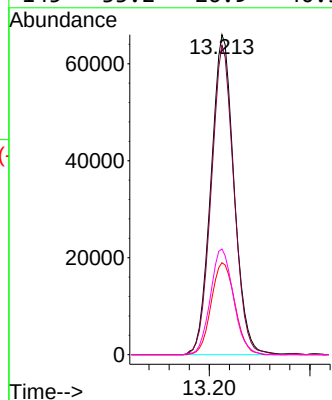
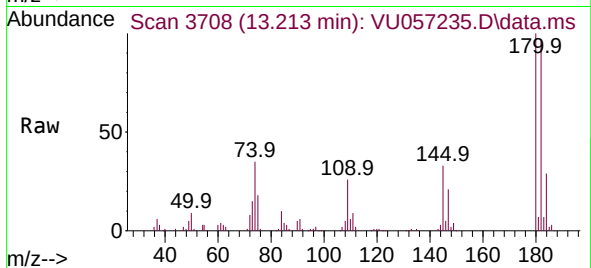
Ion Ratio Lower Upper

180 100

182 95.0 75.6 113.4

184 29.5 24.2 36.2

145 33.2 26.9 40.3



#70

1,2,4-trichlorobenzene

Concen: 4.194 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

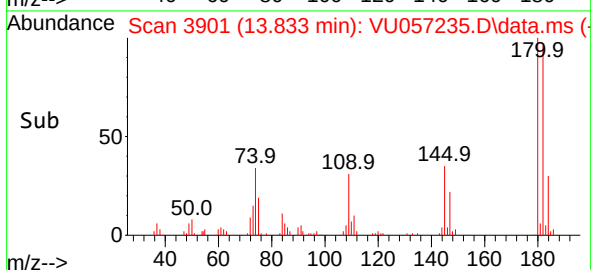
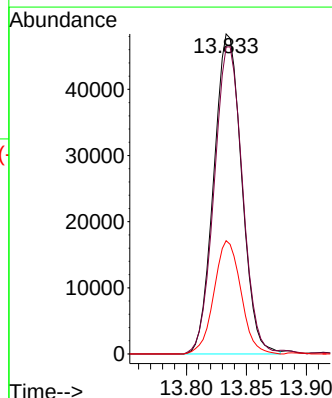
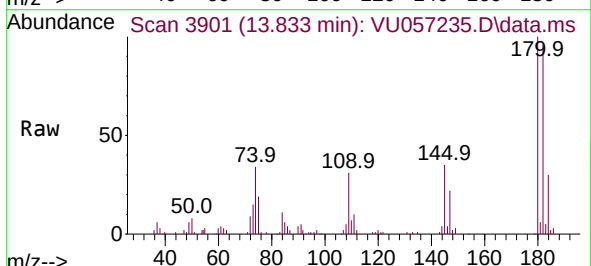
Tgt Ion:180 Resp: 78303

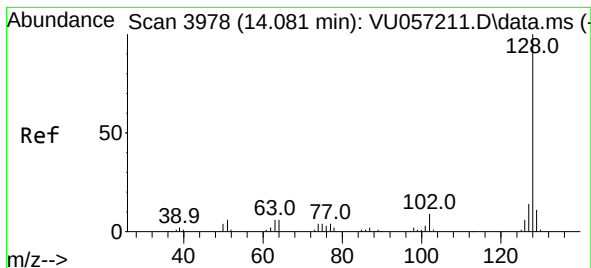
Ion Ratio Lower Upper

180 100

182 97.1 75.4 113.0

145 34.1 27.7 41.5





#71

Naphthalene

Concen: 4.302 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Instrument :

MSVOA_U

ClientSampleId :

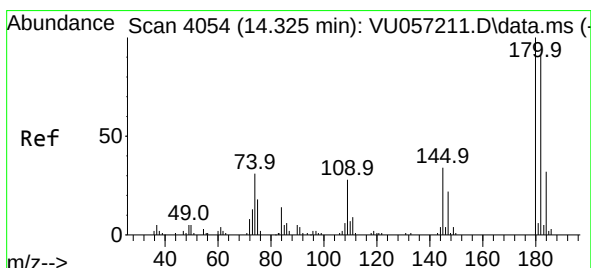
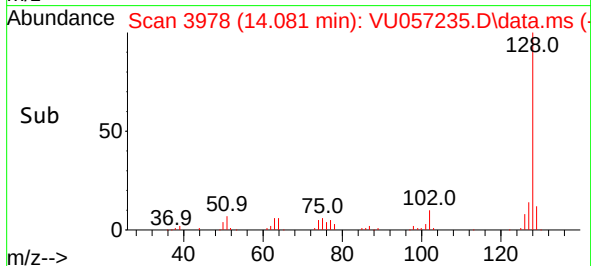
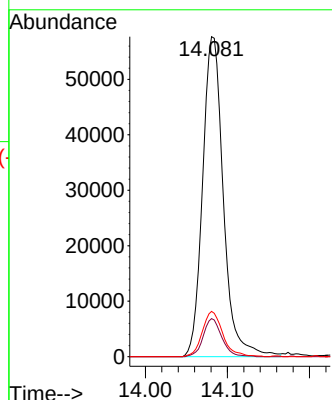
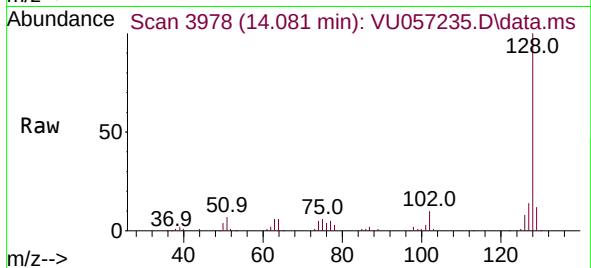
Tgt Ion:128 Resp: 101609

Ion Ratio Lower Upper

128 100

129 10.6 8.2 12.4

127 14.0 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 4.443 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.003 min

Lab File: VU057235.D

Acq: 26 Dec 2023 14:29

Tgt Ion:180 Resp: 64706

Ion Ratio Lower Upper

180 100

182 99.1 76.2 114.4

145 38.1 28.9 43.3

