

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051424\
 Data File : VU058880.D
 Acq On : 14 May 2024 12:02
 Operator : MD/SY
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 15 00:57:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 15 00:49:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	178453	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	175455	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	90396	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	51571	4.771	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.400%
7) Chloroethane-d5	1.910	69	48131	4.926	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.600%
11) 1,1-Dichloroethene-d2	2.563	65	21117	4.794	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.800%
20) 2-Butanone-d5	4.627	46	143629	51.106	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.220%
24) Chloroform-d	5.055	84	109440	5.013	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
26) 1,2-Dichloroethane-d4	5.695	65	53846	4.800	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	5.721	84	207371	5.149	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.000%
36) 1,2-Dichloropropane-d6	6.685	67	68189	5.081	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.600%
41) Toluene-d8	7.891	98	181596	4.954	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
43) trans-1,3-Dichloroprop...	8.174	79	23953	5.201	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.000%
46) 2-Hexanone-d5	8.627	63	118606	53.668	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.340%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	59314	5.118	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	68697	5.053	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	67323	5.156	ug/L	96
3) Chloromethane	1.518	50	75412	4.961	ug/L	99
5) Vinyl chloride	1.602	62	83192	5.108	ug/L	99
6) Bromomethane	1.856	94	51400	5.066	ug/L	94
8) Chloroethane	1.933	64	51990	5.023	ug/L	99
9) Trichlorofluoromethane	2.136	101	105949	5.072	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	64356	5.084	ug/L	98
12) 1,1-Dichloroethene	2.576	96	58063	5.223	ug/L	97
13) Acetone	2.644	43	99901	51.430	ug/L	97
14) Carbon disulfide	2.788	76	174624	4.957	ug/L	99
15) Methyl Acetate	2.955	43	24896	5.157	ug/L	98
16) Methylene chloride	3.039	84	76457	5.069	ug/L	95
17) Methyl tert-butyl Ether	3.354	73	152886	5.290	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	62075	5.303	ug/L	95
19) 1,1-Dichloroethane	3.862	63	124938	5.106	ug/L	99
21) 2-Butanone	4.705	43	161116	51.714	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	70715	5.247	ug/L	92
23) Bromochloromethane	4.968	128	30578	5.137	ug/L	96
25) Chloroform	5.081	83	127840	5.000	ug/L	99

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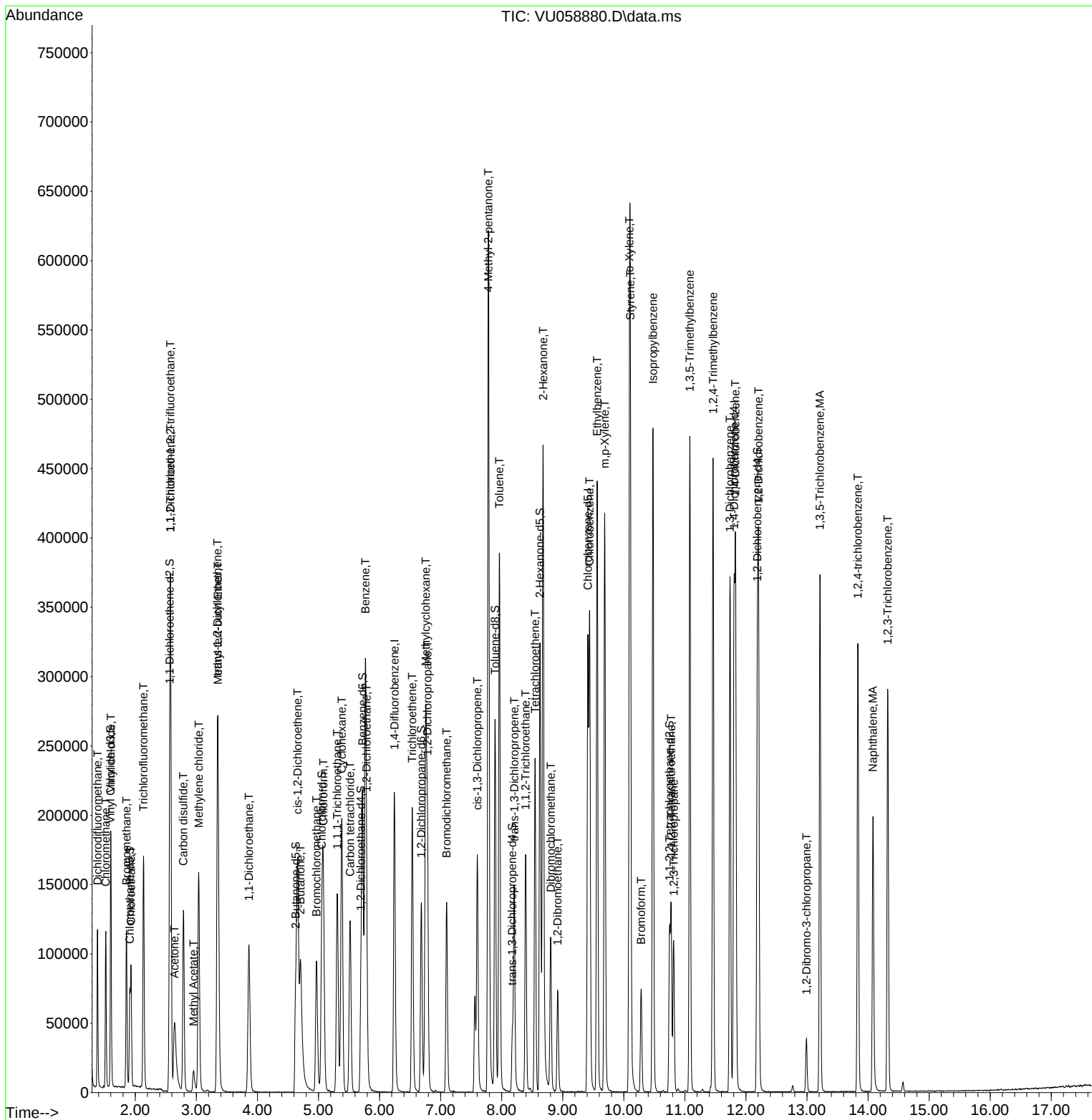
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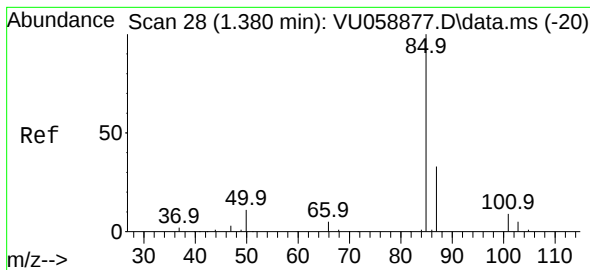
Quant Time: May 15 00:57:18 2024
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	79880	5.113	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	103630	5.282	ug/L	99
30) Cyclohexane	5.383	56	99839	5.383	ug/L	98
31) Carbon tetrachloride	5.518	117	86799	5.304	ug/L	96
33) Benzene	5.769	78	274497	5.323	ug/L	100
34) Trichloroethene	6.537	95	71690	5.255	ug/L	98
35) Methylcyclohexane	6.756	83	105810	5.437	ug/L	99
37) 1,2-Dichloropropane	6.785	63	76232	5.207	ug/L	99
38) Bromodichloromethane	7.100	83	91959	5.240	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	106824	5.354	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	411131	54.335	ug/L	100
42) Toluene	7.962	91	290965	5.409	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	86857	5.335	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	53681	5.213	ug/L	98
47) Tetrachloroethene	8.547	164	51284	5.277	ug/L	97
48) 2-Hexanone	8.679	43	300158	55.047	ug/L	99
49) Dibromochloromethane	8.804	129	57168	5.264	ug/L	99
50) 1,2-Dibromoethane	8.917	107	48588	5.339	ug/L	97
51) Chlorobenzene	9.441	112	182390	5.321	ug/L	99
52) Ethylbenzene	9.563	91	315006	5.424	ug/L	97
53) m,p-Xylene	9.688	106	116234	5.469	ug/L	97
54) o-Xylene	10.093	106	113317	5.451	ug/L	98
55) Styrene	10.110	104	200457	5.732	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	68153	5.220	ug/L	100
59) Bromoform	10.283	173	33813	5.119	ug/L	100
60) Isopropylbenzene	10.479	105	313311	5.414	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	46943	5.043	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	248485	5.387	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	254948	5.574	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	150477	5.344	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	151037	5.374	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	141263	5.368	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	10118	5.403	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	114573	5.426	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	99110	5.688	ug/L	98
71) Naphthalene	14.080	128	166099	6.326	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	89690	5.866	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 5.156 ug/L

RT: 1.383 min Scan# 20

Delta R.T. 0.003 min

Lab File: VU058880.D

Acq: 14 May 2024 12:02

Instrument :

MSVOA_U

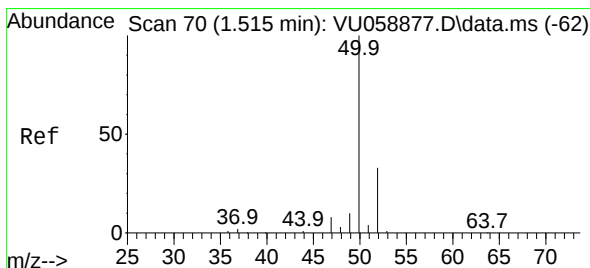
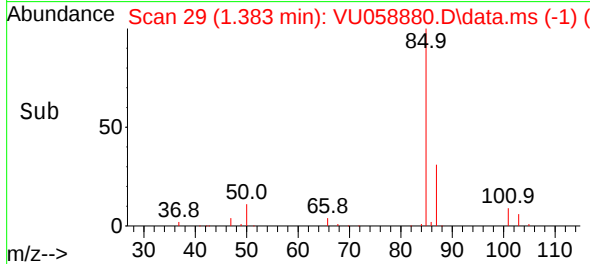
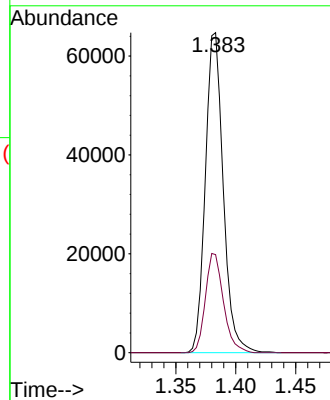
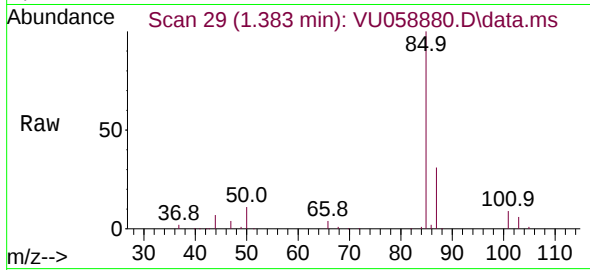
ClientSampleId :

Tgt Ion: 85 Resp: 67323

Ion Ratio Lower Upper

85 100

87 31.2 26.6 40.0



#3

Chloromethane

Concen: 4.961 ug/L

RT: 1.518 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU058880.D

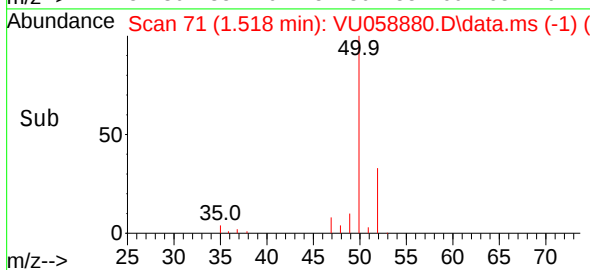
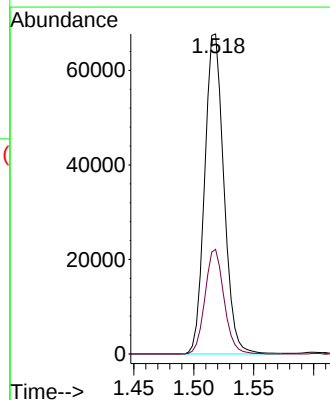
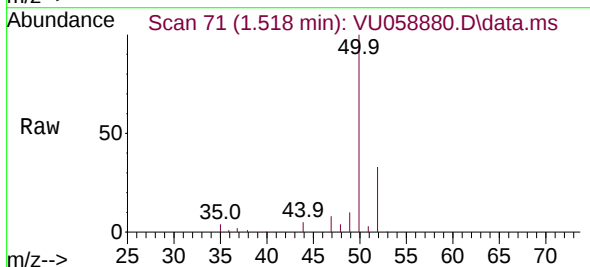
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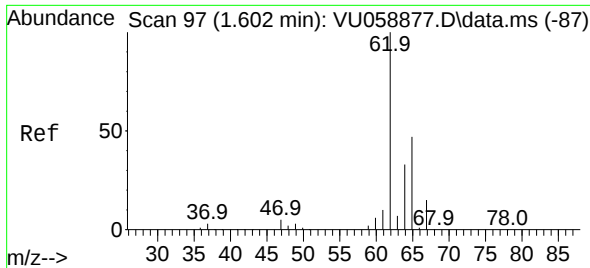
Tgt Ion: 50 Resp: 75412

Ion Ratio Lower Upper

50 100

52 32.7 23.2 43.0

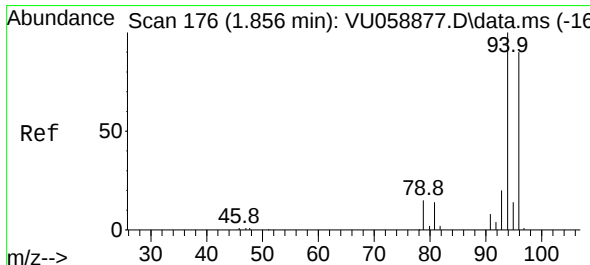
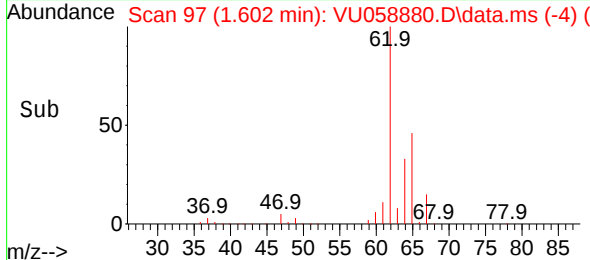
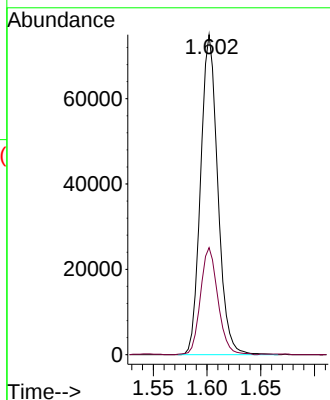
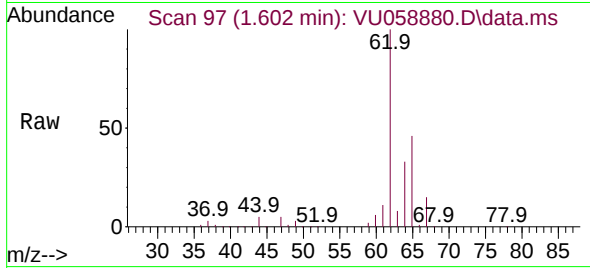




#5
 Vinyl chloride
 Concen: 5.108 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU058880.D
 Acq: 14 May 2024 12:02

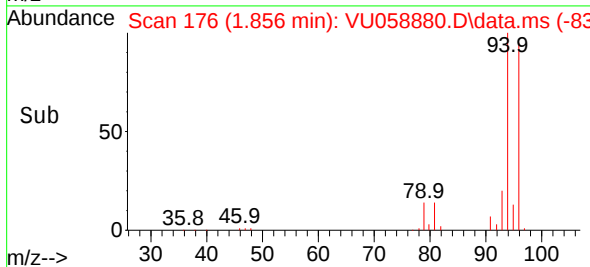
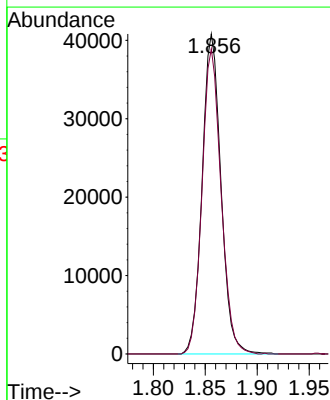
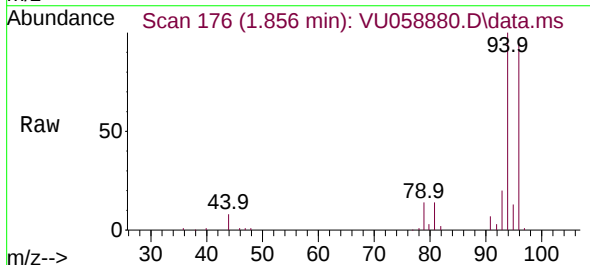
Instrument :
 MSVOA_U
 ClientSampleId :

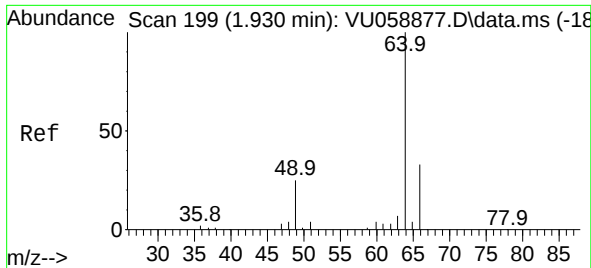
Tgt Ion: 62 Resp: 83192
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.1 42.9



#6
 Bromomethane
 Concen: 5.066 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU058880.D
 Acq: 14 May 2024 12:02

Tgt Ion: 94 Resp: 51400
 Ion Ratio Lower Upper
 94 100
 96 95.4 62.9 116.9

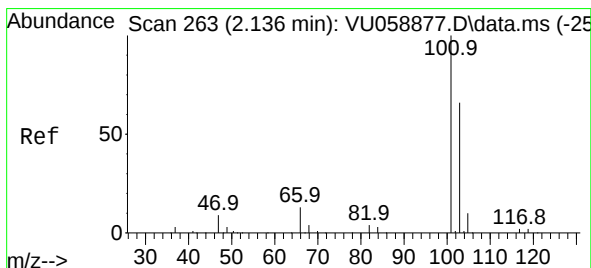
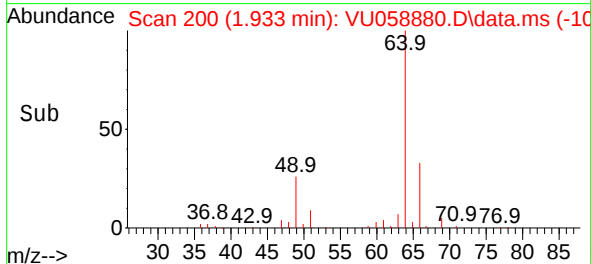
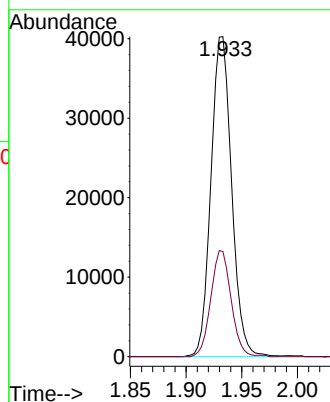
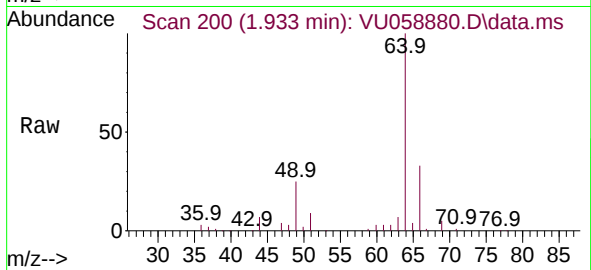




#8
Chloroethane
Concen: 5.023 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.003 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

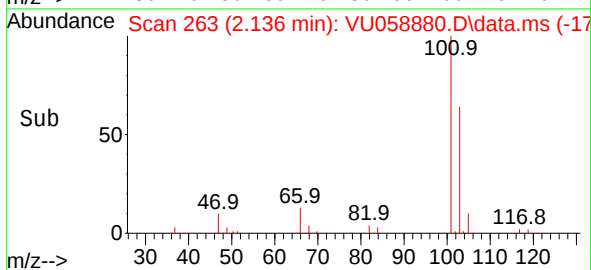
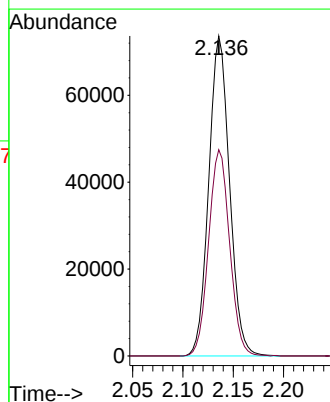
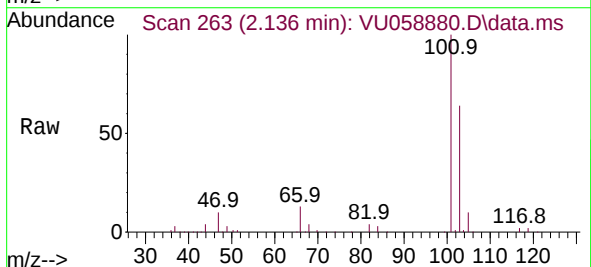
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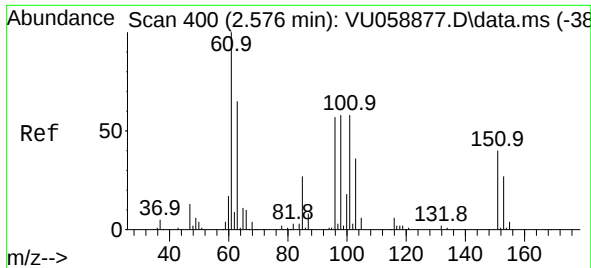
Tgt Ion: 64 Resp: 51990
Ion Ratio Lower Upper
64 100
66 32.9 23.2 43.2



#9
Trichlorofluoromethane
Concen: 5.072 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

Tgt Ion:101 Resp: 105949
Ion Ratio Lower Upper
101 100
103 65.1 52.6 79.0

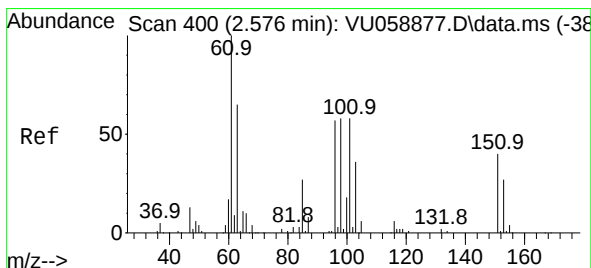
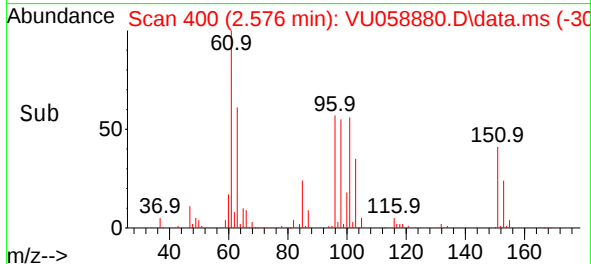
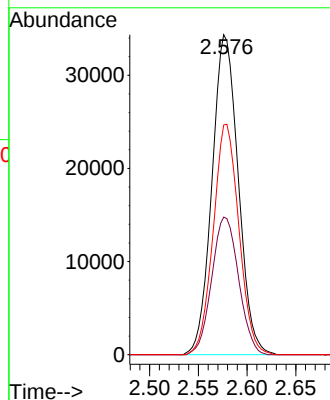
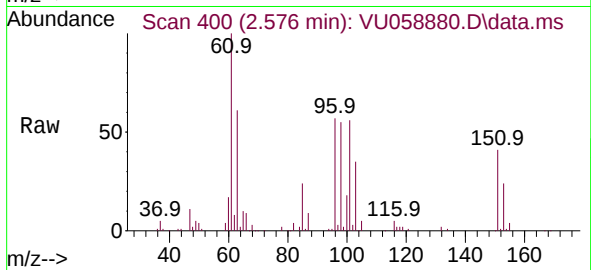




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.084 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

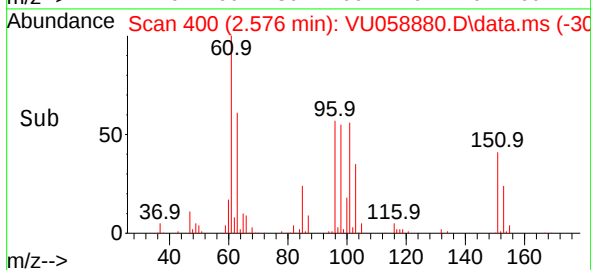
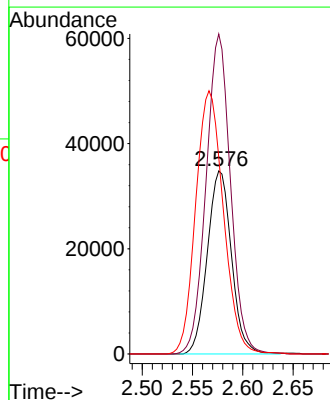
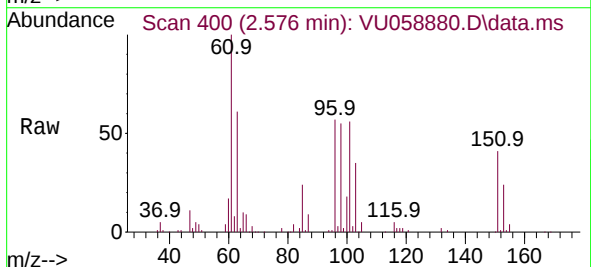
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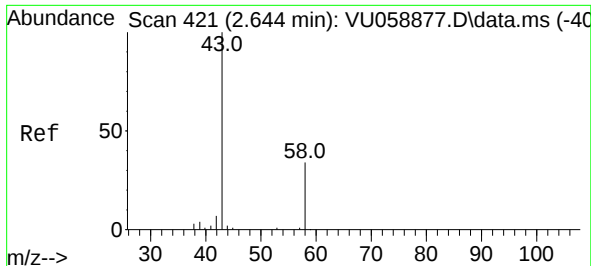
Tgt Ion:101 Resp: 64356
Ion Ratio Lower Upper
101 100
85 44.0 36.2 54.4
151 70.5 55.5 83.3



#12
1,1-Dichloroethene
Concen: 5.223 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

Tgt Ion: 96 Resp: 58063
Ion Ratio Lower Upper
96 100
61 174.8 122.9 228.3
63 107.4 80.4 149.4





#13

Acetone

Concen: 51.430 ug/L

RT: 2.644 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU058880.D

Acq: 14 May 2024 12:02

Instrument :

MSVOA_U

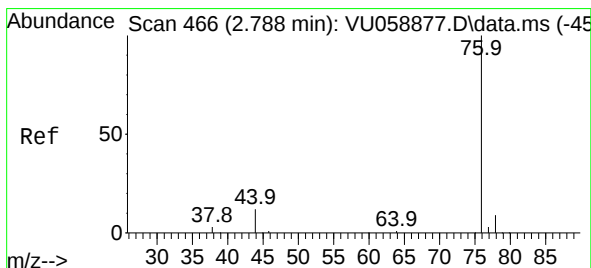
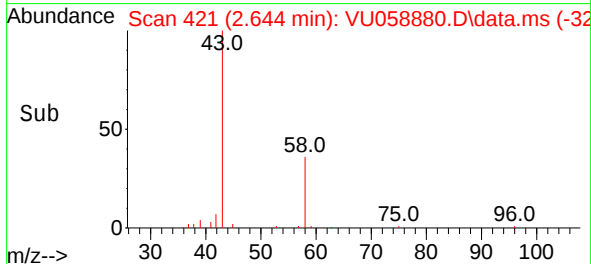
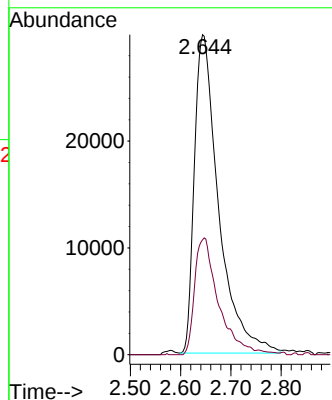
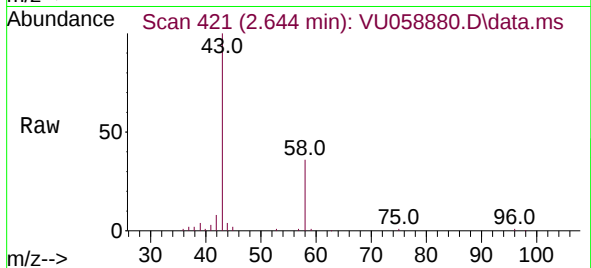
ClientSampleId :

Tgt Ion: 43 Resp: 99901

Ion Ratio Lower Upper

43 100

58 35.5 0.0 68.0



#14

Carbon disulfide

Concen: 4.957 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU058880.D

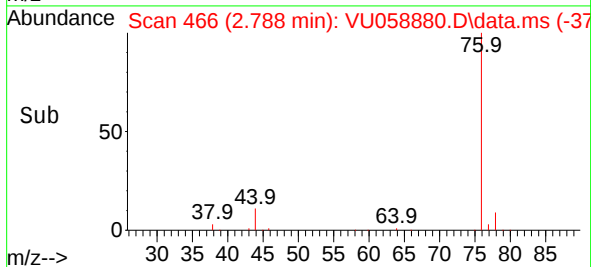
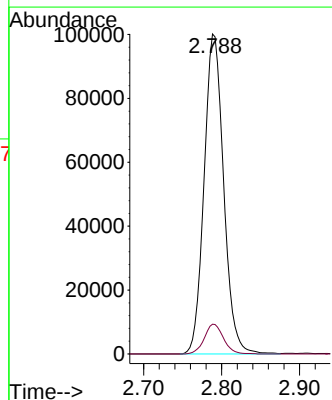
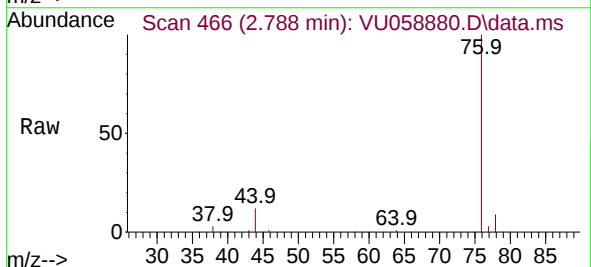
Acq: 14 May 2024 12:02

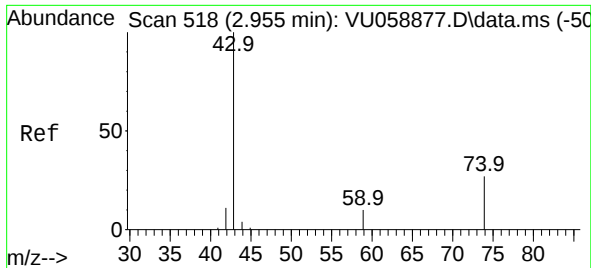
Tgt Ion: 76 Resp: 174624

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

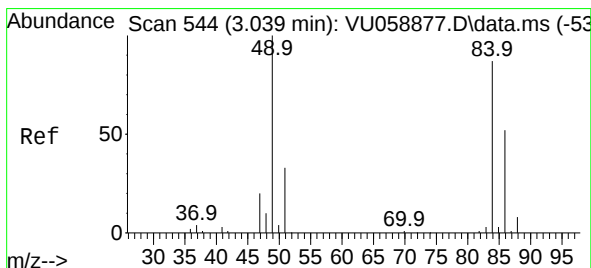
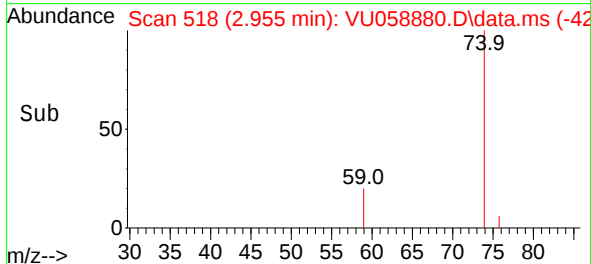
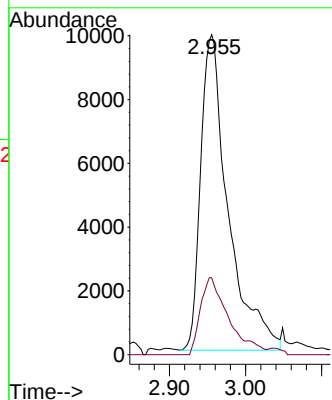
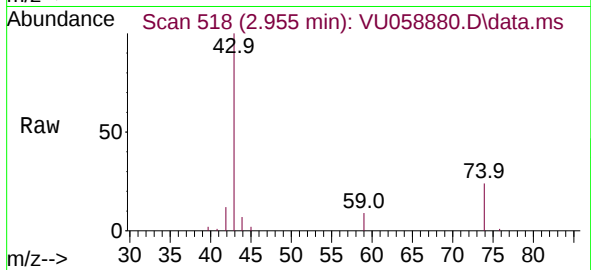




#15
Methyl Acetate
Concen: 5.157 ug/L
RT: 2.955 min Scan# 518
Delta R.T. -0.000 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

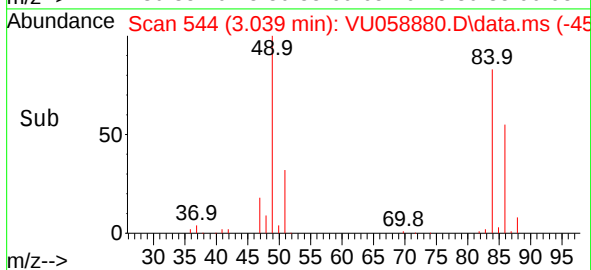
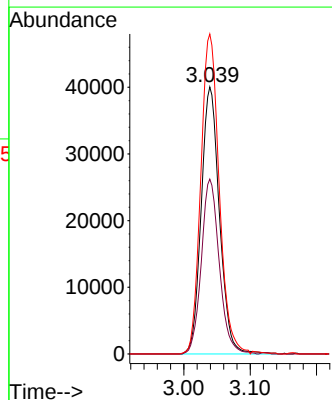
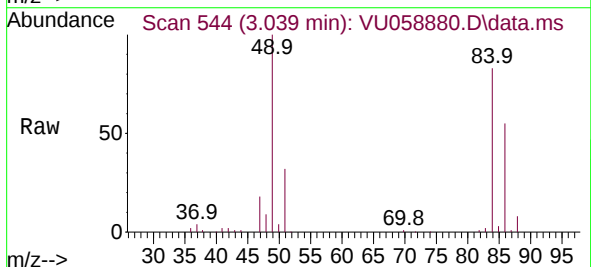
Instrument :
MSVOA_U
ClientSampleId :

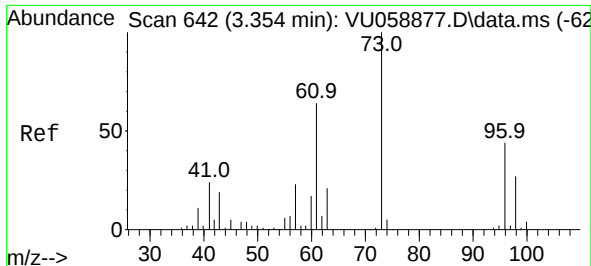
Tgt Ion: 43 Resp: 24896
Ion Ratio Lower Upper
43 100
74 25.0 19.2 28.8



#16
Methylene chloride
Concen: 5.069 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

Tgt Ion: 84 Resp: 76457
Ion Ratio Lower Upper
84 100
86 65.5 42.1 78.1
49 119.9 80.6 149.8

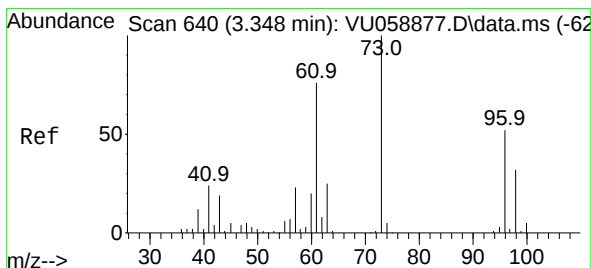
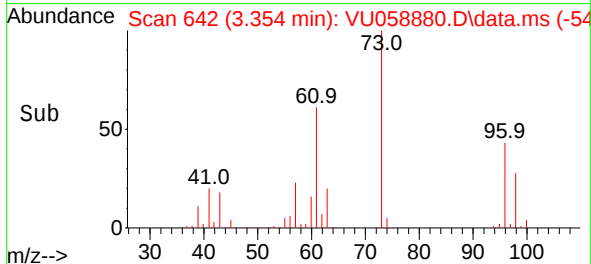
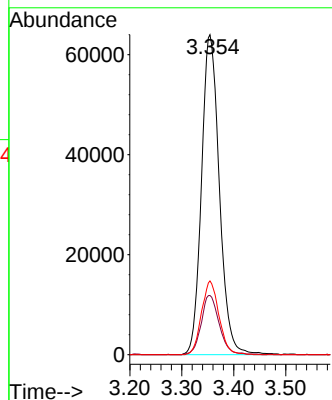
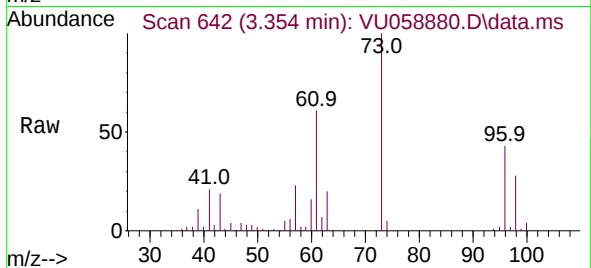




#17
Methyl tert-butyl Ether
Concen: 5.290 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

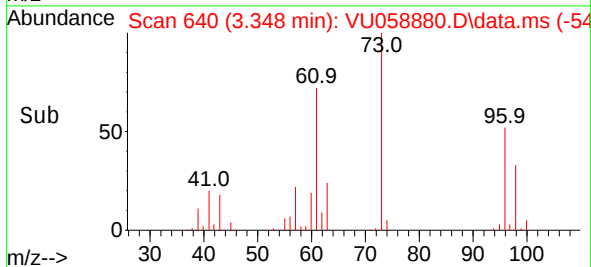
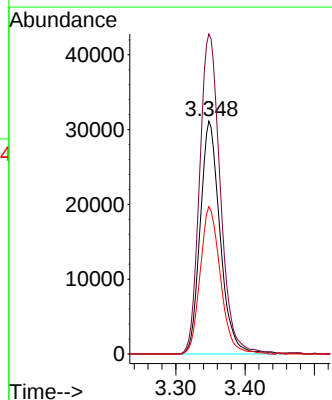
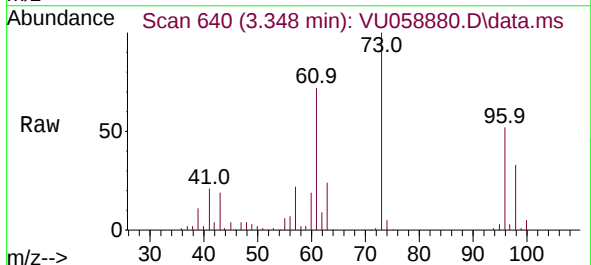
Instrument :
MSVOA_U
ClientSampleId :

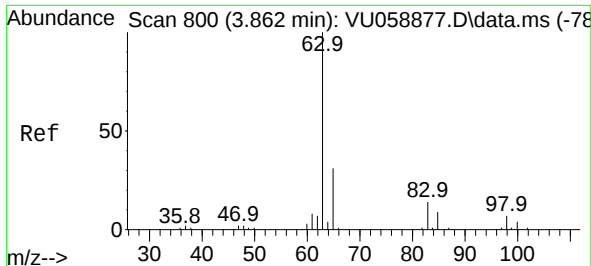
Tgt Ion: 73 Resp: 152886
Ion Ratio Lower Upper
73 100
43 18.7 14.9 22.3
57 22.5 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 5.303 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

Tgt Ion: 96 Resp: 62075
Ion Ratio Lower Upper
96 100
61 137.4 101.8 189.0
98 63.3 43.3 80.5





#19

1,1-Dichloroethane

Concen: 5.106 ug/L

RT: 3.862 min Scan# 80

Delta R.T. -0.000 min

Lab File: VU058880.D

Acq: 14 May 2024 12:02

Instrument :

MSVOA_U

ClientSampleId :

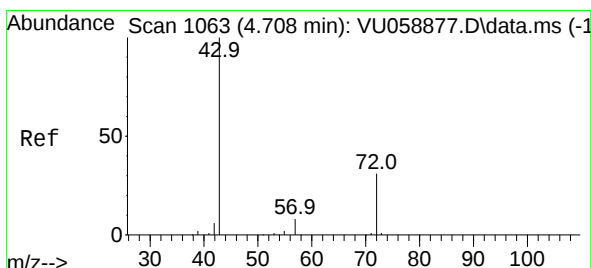
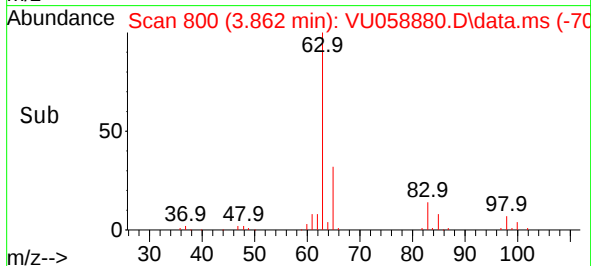
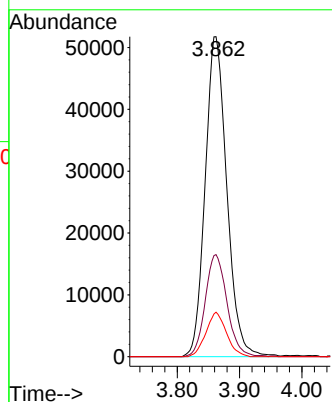
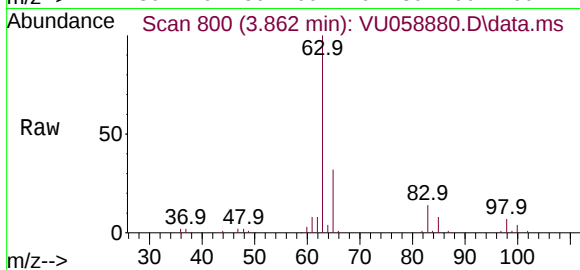
Tgt Ion: 63 Resp: 124938

Ion Ratio Lower Upper

63 100

65 31.9 21.8 40.6

83 13.9 9.9 18.5



#21

2-Butanone

Concen: 51.714 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. -0.003 min

Lab File: VU058880.D

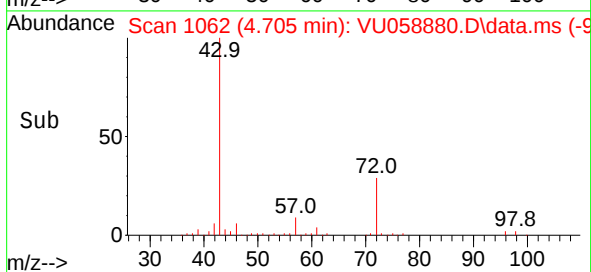
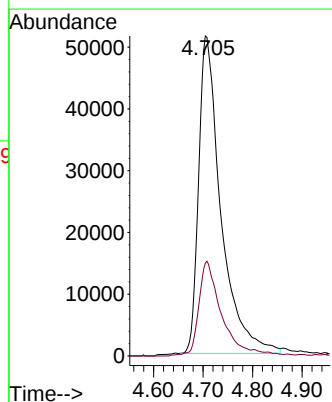
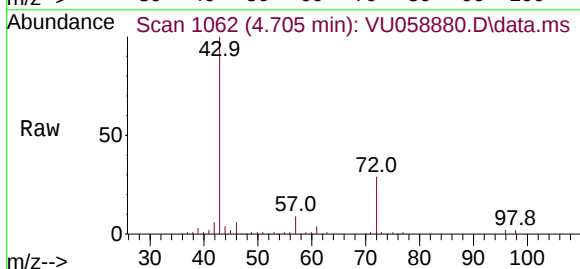
Acq: 14 May 2024 12:02

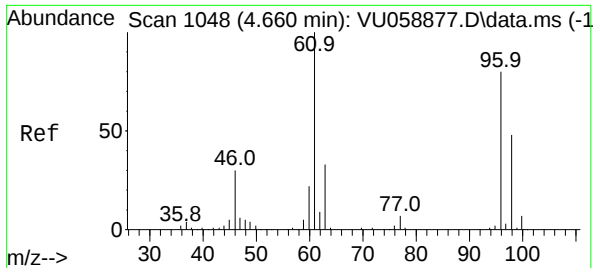
Tgt Ion: 43 Resp: 161116

Ion Ratio Lower Upper

43 100

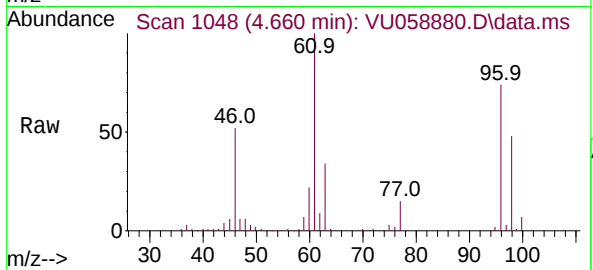
72 29.1 13.8 41.4



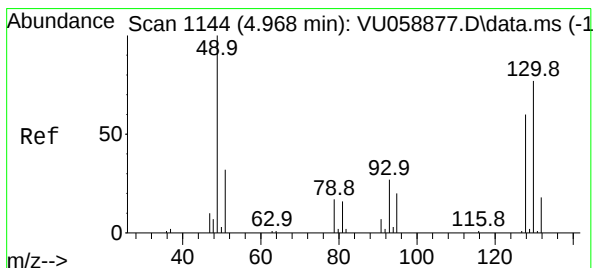
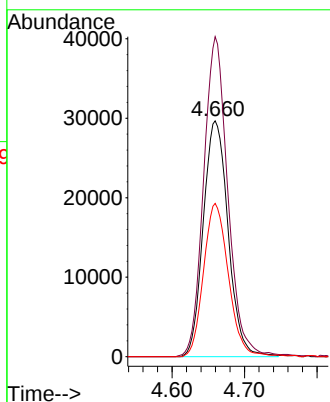
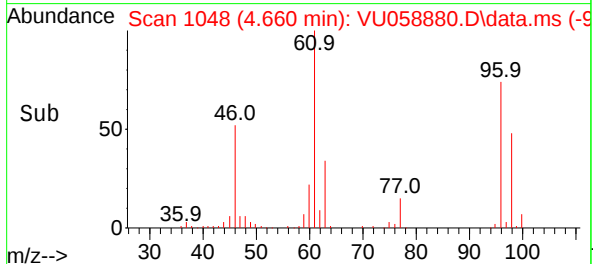


#22
 cis-1,2-Dichloroethene
 Concen: 5.247 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU058880.D
 Acq: 14 May 2024 12:02

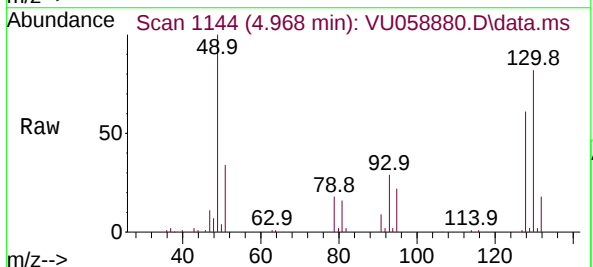
Instrument :
 MSVOA_U
 ClientSampleId :



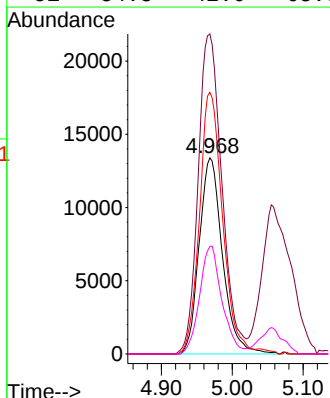
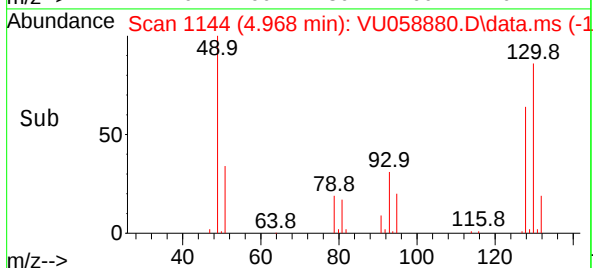
Tgt Ion: 96 Resp: 70715
 Ion Ratio Lower Upper
 96 100
 61 135.7 87.4 162.2
 98 65.0 42.3 78.5

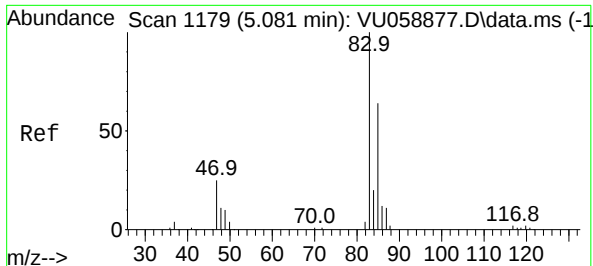


#23
 Bromochloromethane
 Concen: 5.137 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.000 min
 Lab File: VU058880.D
 Acq: 14 May 2024 12:02



Tgt Ion: 128 Resp: 30578
 Ion Ratio Lower Upper
 128 100
 49 163.1 117.0 217.4
 130 133.3 89.6 166.4
 51 54.8 42.0 63.0





#25

Chloroform

Concen: 5.000 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU058880.D

Acq: 14 May 2024 12:02

Instrument :

MSVOA_U

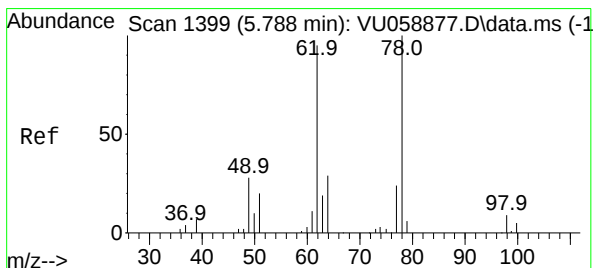
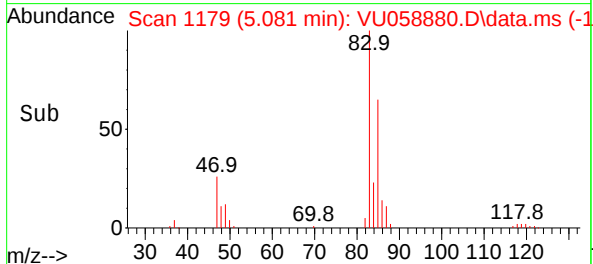
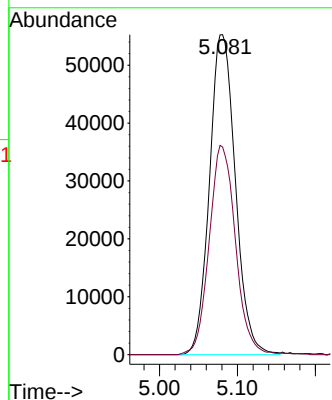
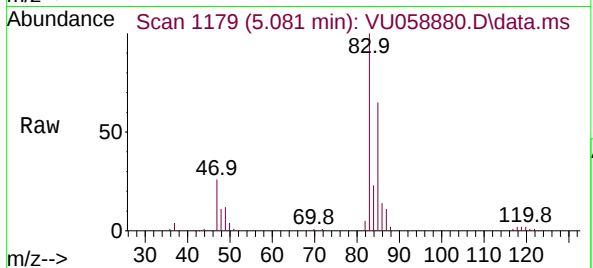
ClientSampleId :

Tgt Ion: 83 Resp: 127840

Ion Ratio Lower Upper

83 100

85 64.9 44.7 83.1



#27

1,2-Dichloroethane

Concen: 5.113 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU058880.D

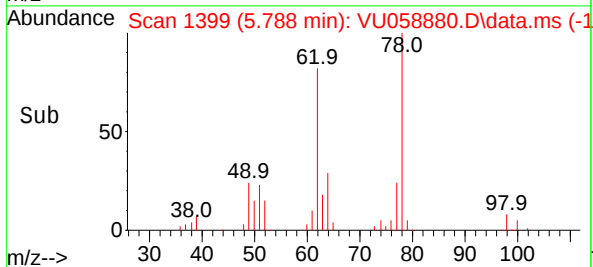
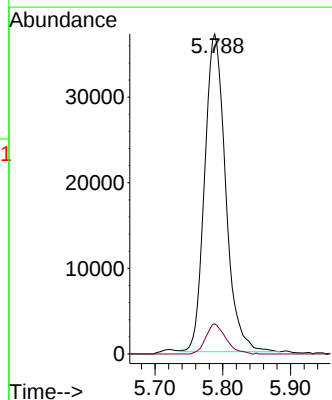
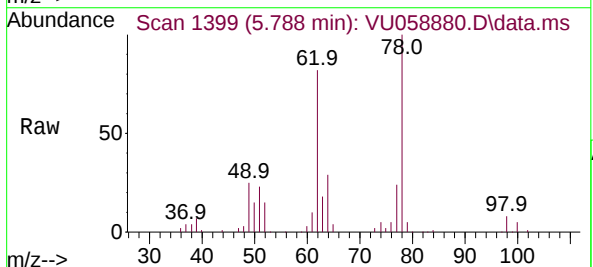
Acq: 14 May 2024 12:02

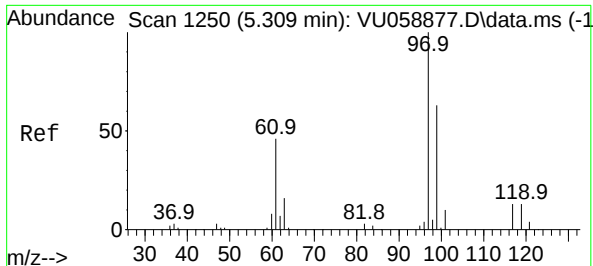
Tgt Ion: 62 Resp: 79880

Ion Ratio Lower Upper

62 100

98 9.4 7.5 11.3

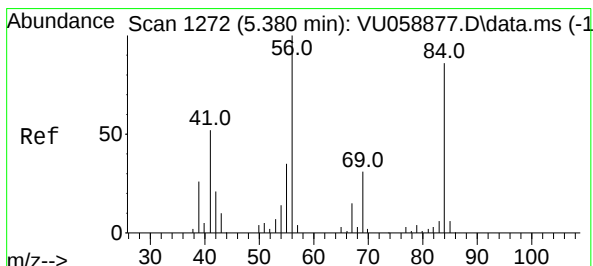
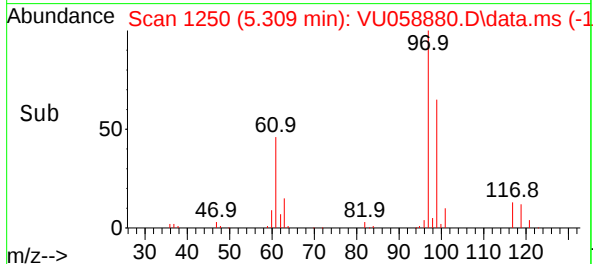
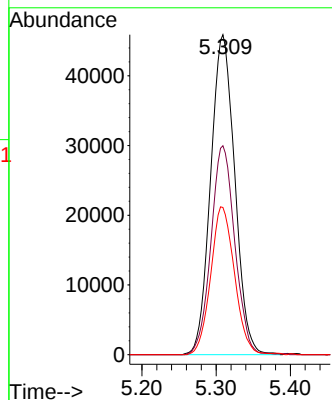
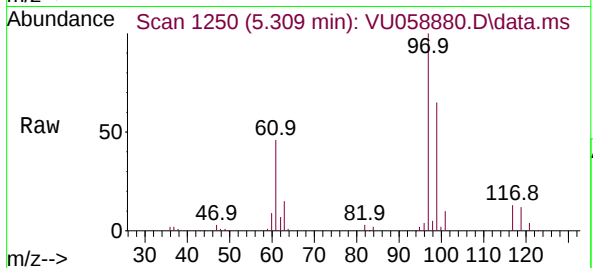




#29
1,1,1-Trichloroethane
Concen: 5.282 ug/L
RT: 5.309 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

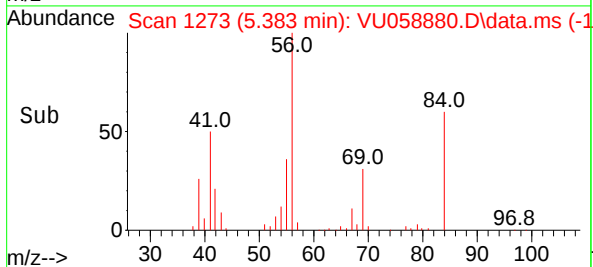
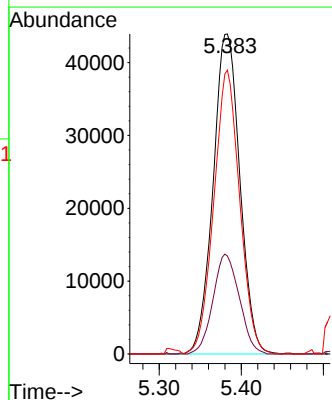
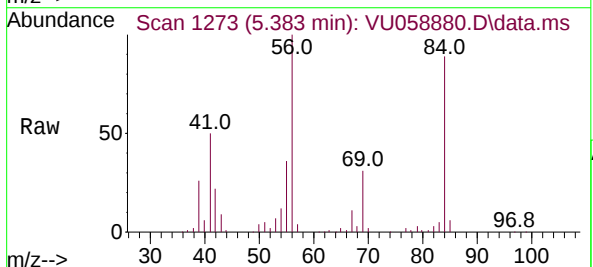
Instrument :
MSVOA_U
ClientSampleId :

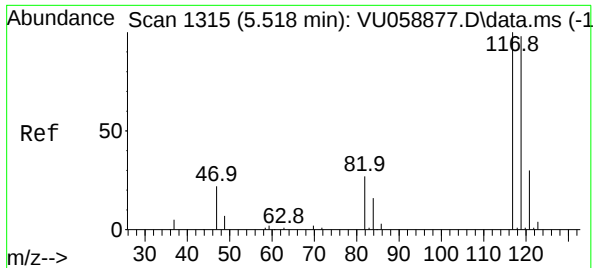
Tgt Ion: 97 Resp: 103630
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.6
61 45.6 37.4 56.2



#30
Cyclohexane
Concen: 5.383 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.003 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

Tgt Ion: 56 Resp: 99839
Ion Ratio Lower Upper
56 100
69 30.6 24.8 37.2
84 85.6 69.8 104.8

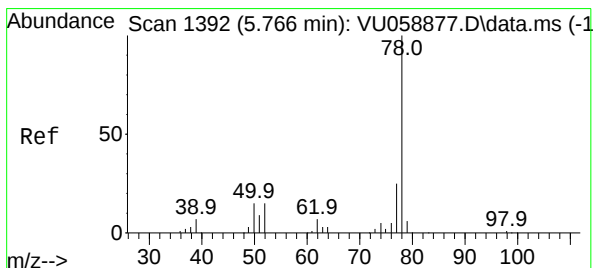
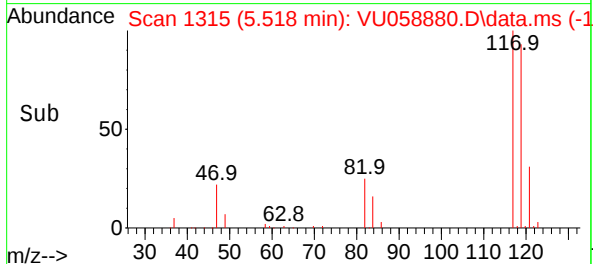
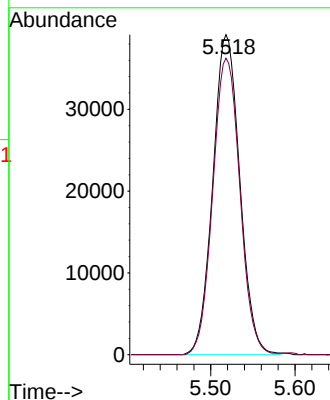
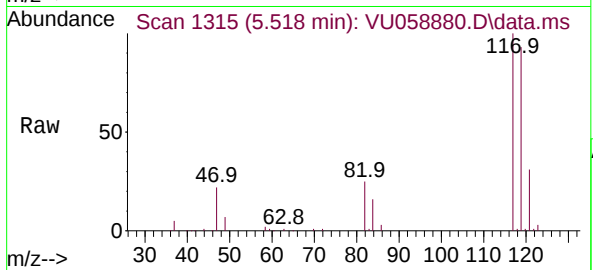




#31
Carbon tetrachloride
Concen: 5.304 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

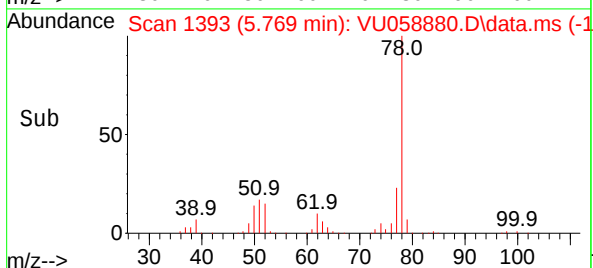
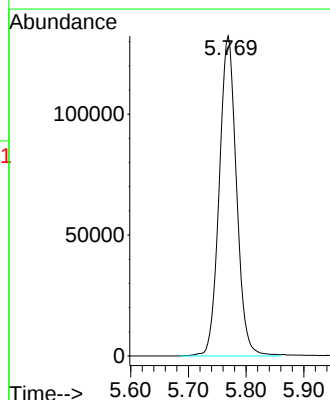
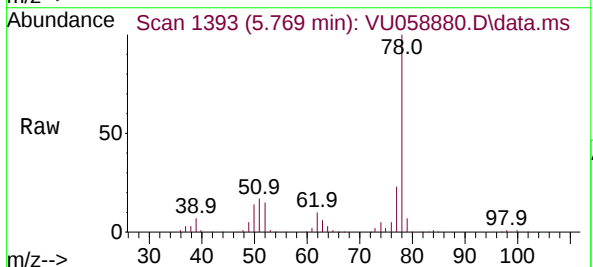
Instrument :
MSVOA_U
ClientSampleId :

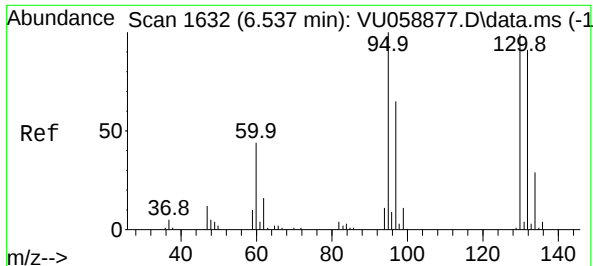
Tgt Ion:117 Resp: 86799
Ion Ratio Lower Upper
117 100
119 93.1 77.5 116.3



#33
Benzene
Concen: 5.323 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

Tgt Ion: 78 Resp: 274497

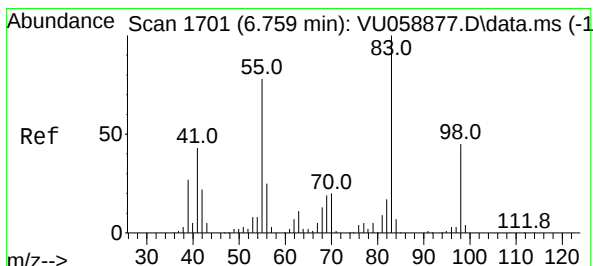
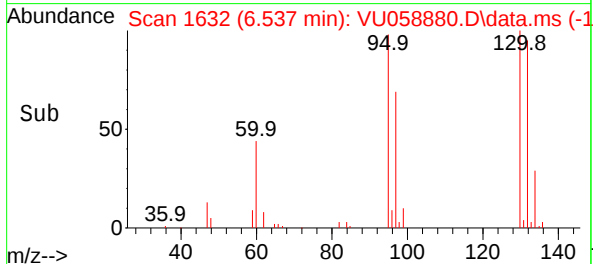
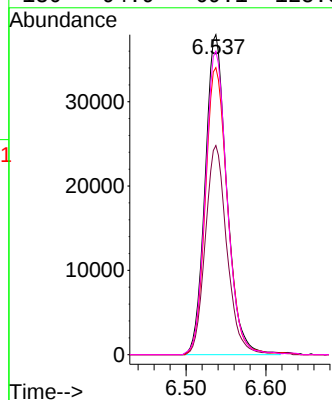
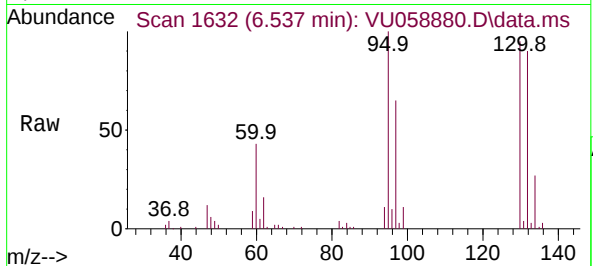




#34
Trichloroethene
Concen: 5.255 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

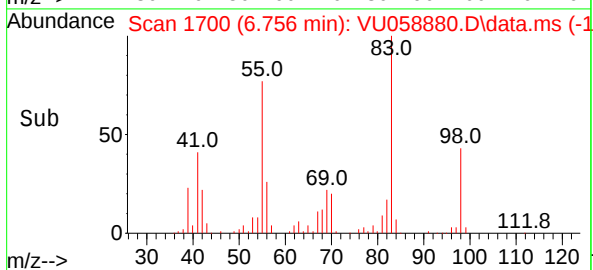
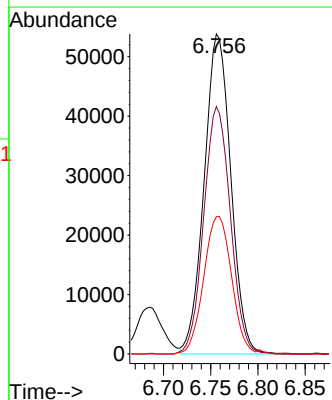
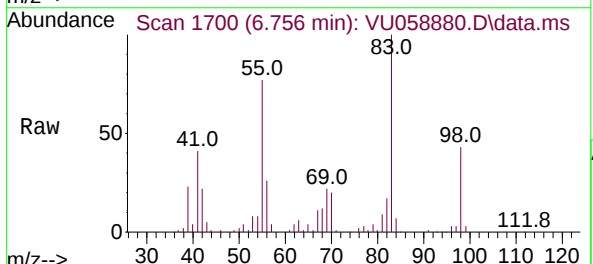
Instrument :
MSVOA_U
ClientSampleId :

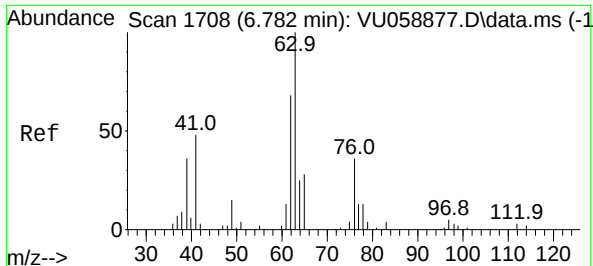
Tgt Ion: 95 Resp: 71690
Ion Ratio Lower Upper
95 100
97 65.4 45.3 84.1
132 89.7 64.0 119.0
130 94.9 69.1 128.3



#35
Methylcyclohexane
Concen: 5.437 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

Tgt Ion: 83 Resp: 105810
Ion Ratio Lower Upper
83 100
55 77.2 62.7 94.1
98 44.6 35.4 53.0

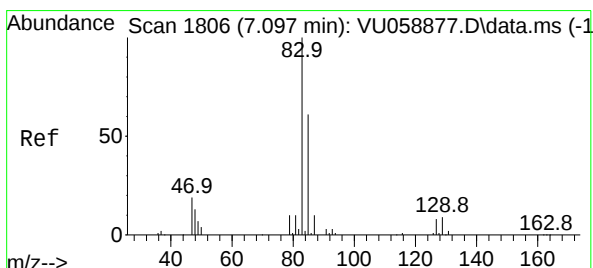
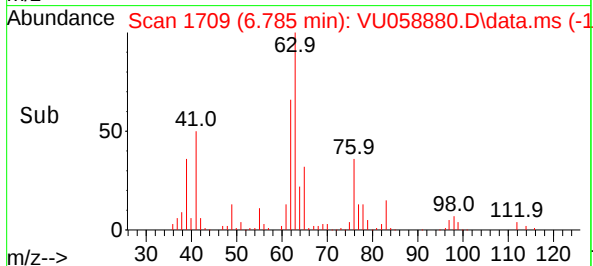
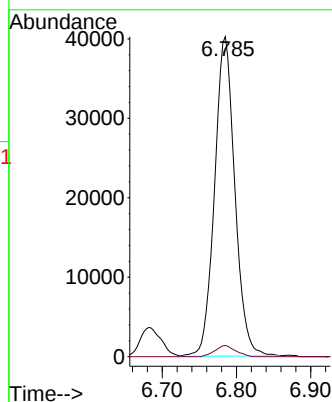
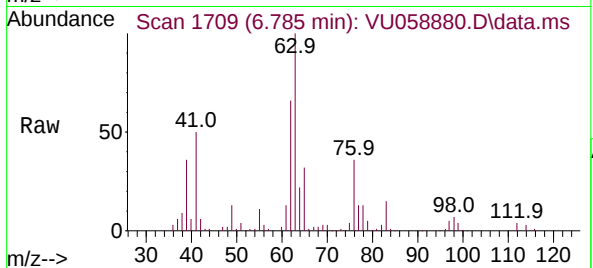




#37
1,2-Dichloropropane
Concen: 5.207 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

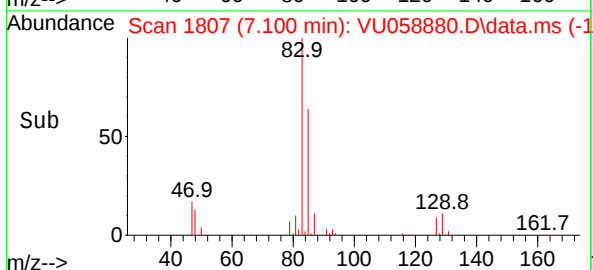
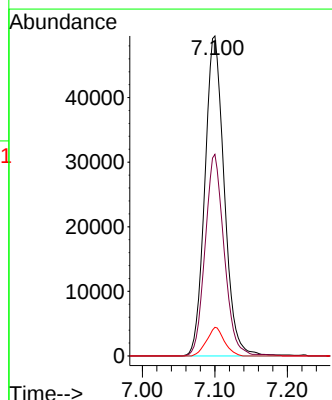
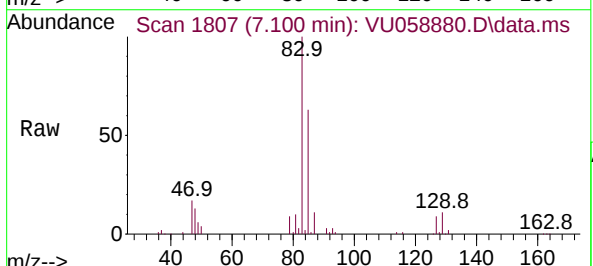
Instrument :
MSVOA_U
ClientSampleId :

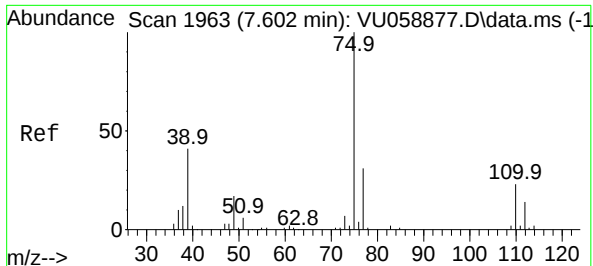
Tgt Ion: 63 Resp: 76232
Ion Ratio Lower Upper
63 100
112 3.5 2.6 3.8



#38
Bromodichloromethane
Concen: 5.240 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

Tgt Ion: 83 Resp: 91959
Ion Ratio Lower Upper
83 100
85 63.0 42.7 79.3
127 9.0 6.1 9.1

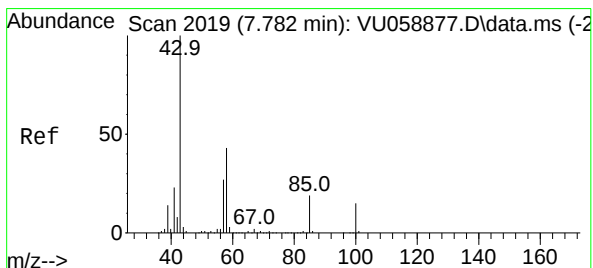
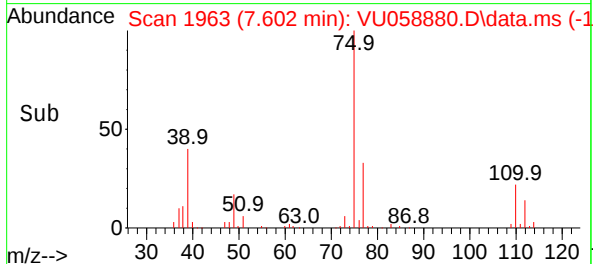
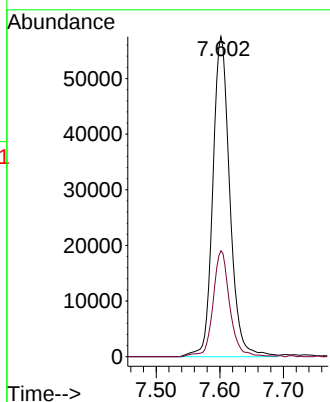
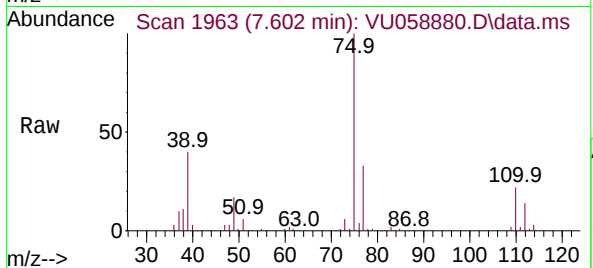




#39
 cis-1,3-Dichloropropene
 Concen: 5.354 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VU058880.D
 Acq: 14 May 2024 12:02

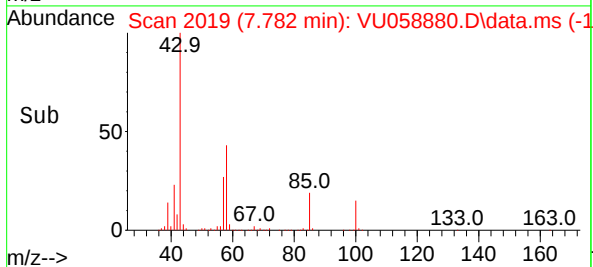
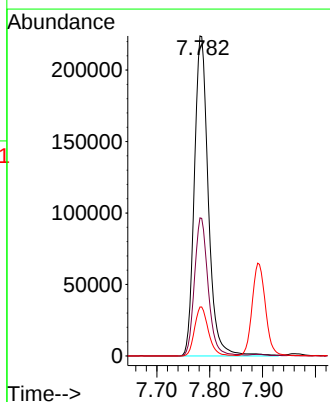
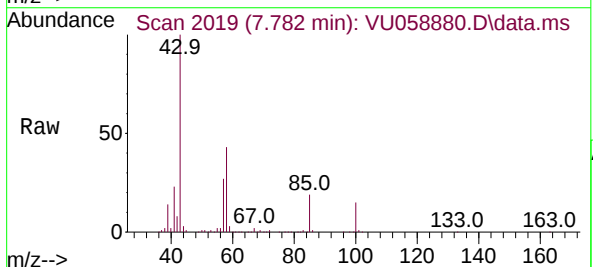
Instrument :
 MSVOA_U
 ClientSampleId :

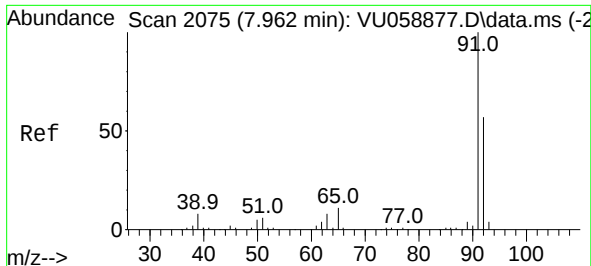
Tgt Ion: 75 Resp: 106824
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 54.335 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VU058880.D
 Acq: 14 May 2024 12:02

Tgt Ion: 43 Resp: 411131
 Ion Ratio Lower Upper
 43 100
 58 42.4 34.0 51.0
 100 15.1 12.1 18.1





#42

Toluene

Concen: 5.409 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU058880.D

Acq: 14 May 2024 12:02

Instrument :

MSVOA_U

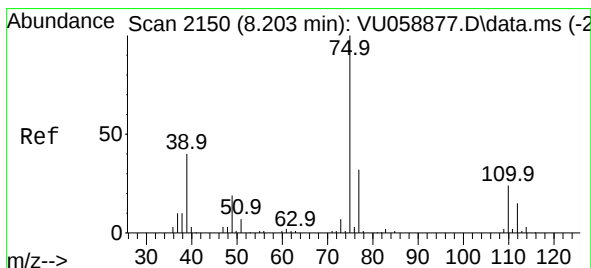
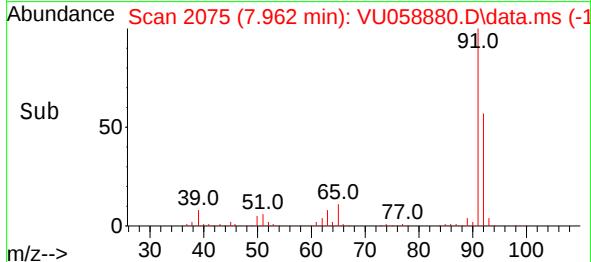
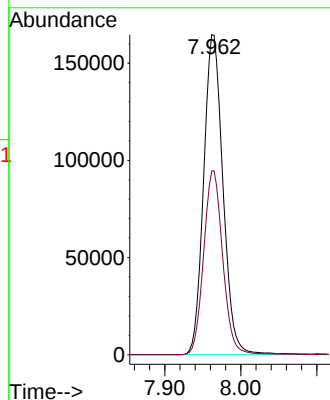
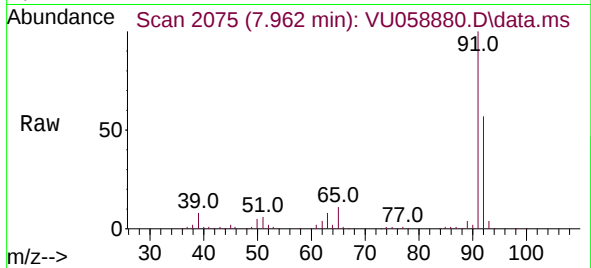
ClientSampleId :

Tgt Ion: 91 Resp: 290965

Ion Ratio Lower Upper

91 100

92 57.5 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 5.335 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU058880.D

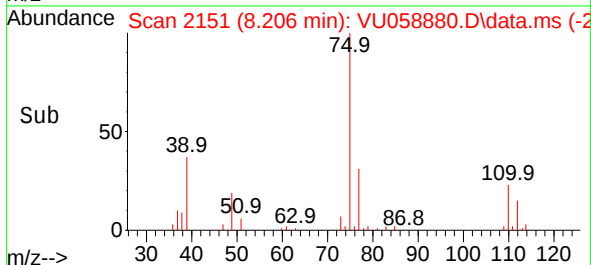
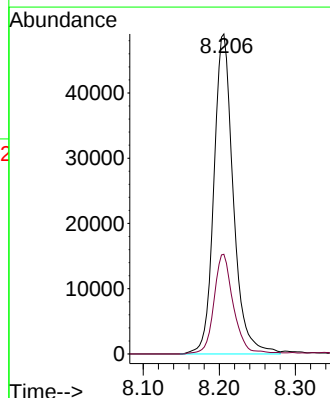
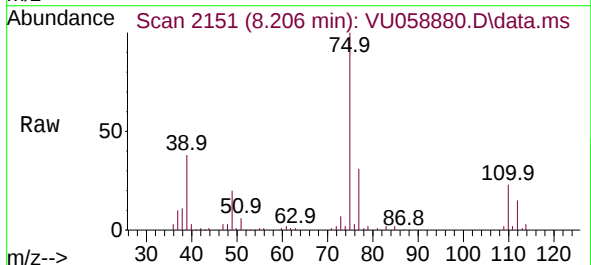
Acq: 14 May 2024 12:02

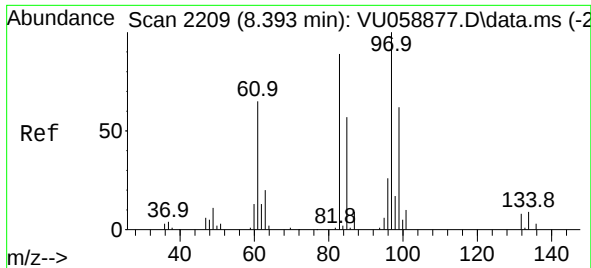
Tgt Ion: 75 Resp: 86857

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0

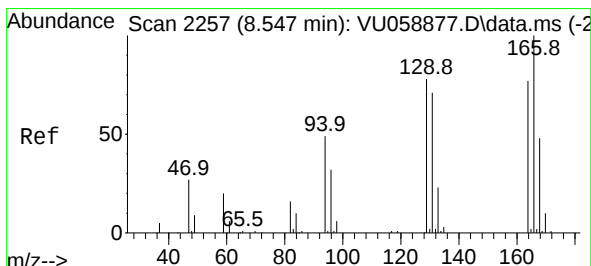
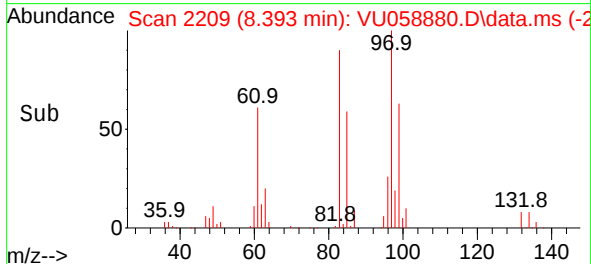
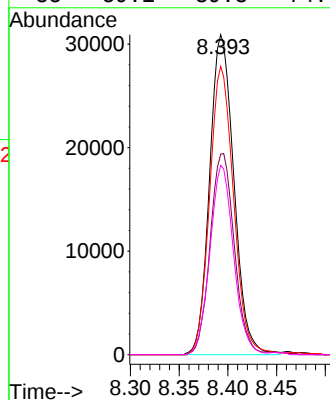
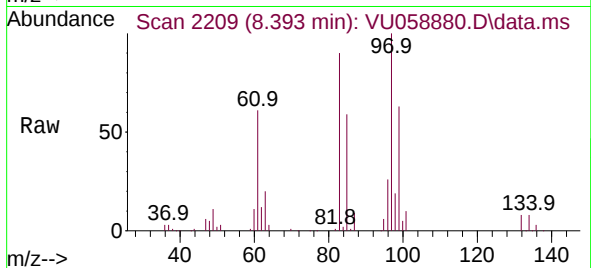




#45
1,1,2-Trichloroethane
Concen: 5.213 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

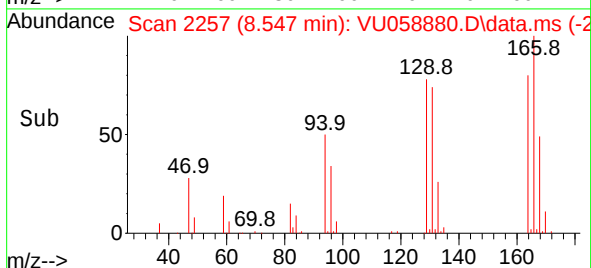
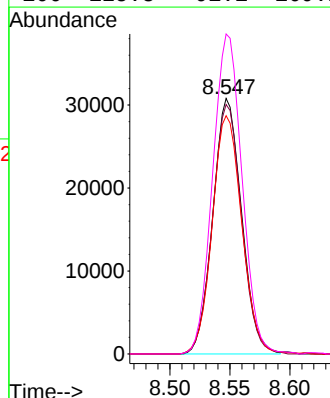
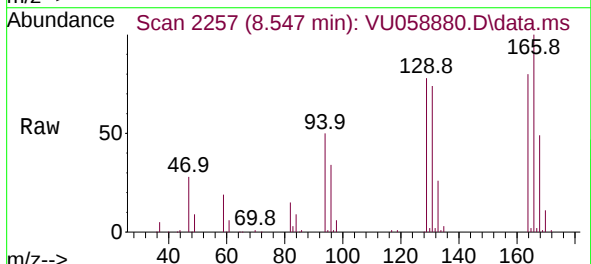
Instrument :
MSVOA_U
ClientSampleId :

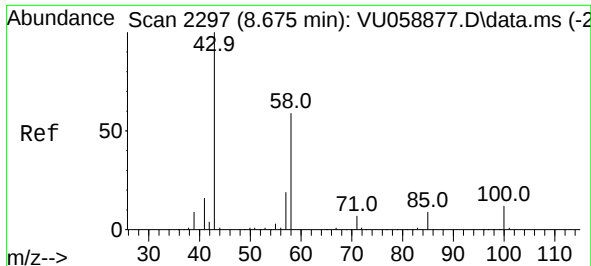
Tgt Ion:	97	Resp:	53681
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.3	80.3
83	90.1	62.3	115.7
85	59.1	39.8	74.0



#47
Tetrachloroethene
Concen: 5.277 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

Tgt Ion:	164	Resp:	51284
Ion	Ratio	Lower	Upper
164	100		
129	97.6	70.8	131.4
131	93.3	64.8	120.3
166	125.3	91.1	169.1





#48

2-Hexanone

Concen: 55.047 ug/L

RT: 8.679 min Scan# 21

Delta R.T. 0.003 min

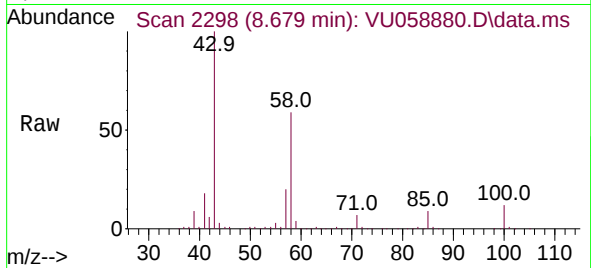
Lab File: VU058880.D

Acq: 14 May 2024 12:02

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 300158

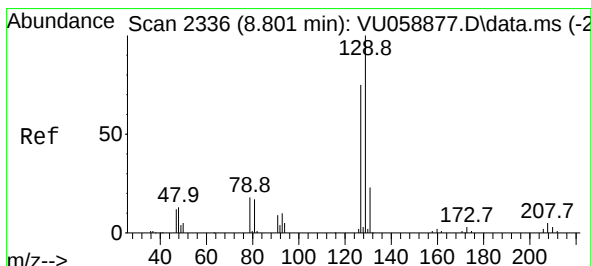
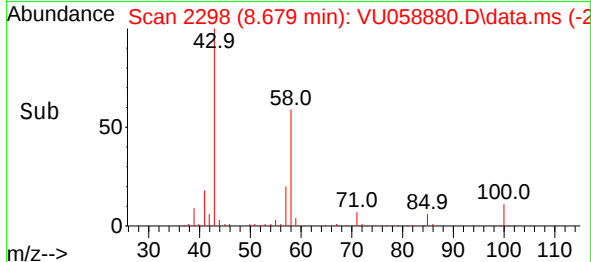
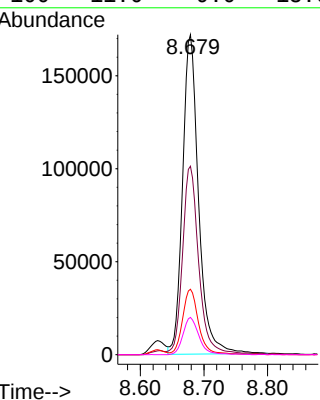
Ion Ratio Lower Upper

43 100

58 58.4 46.1 69.1

57 20.1 15.5 23.3

100 11.6 9.0 13.6



#49

Dibromochloromethane

Concen: 5.264 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VU058880.D

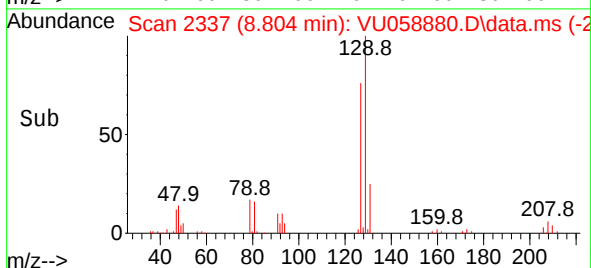
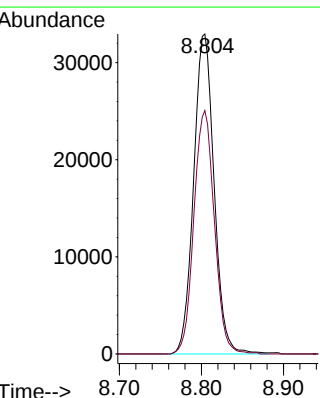
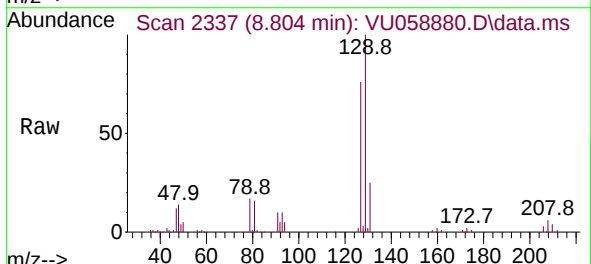
Acq: 14 May 2024 12:02

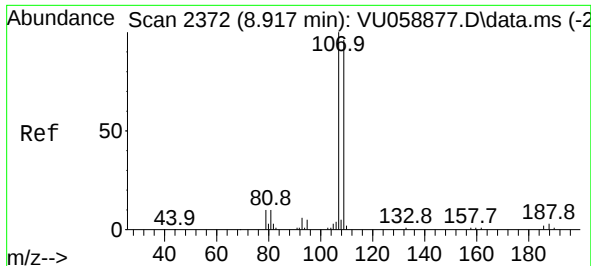
Tgt Ion:129 Resp: 57168

Ion Ratio Lower Upper

129 100

127 76.0 52.5 97.5

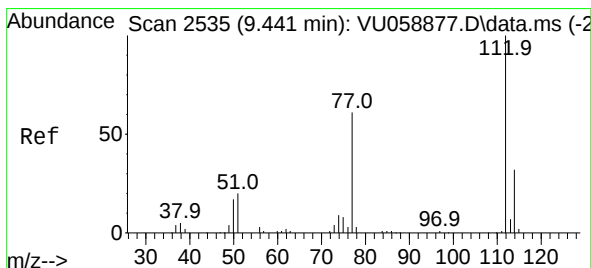
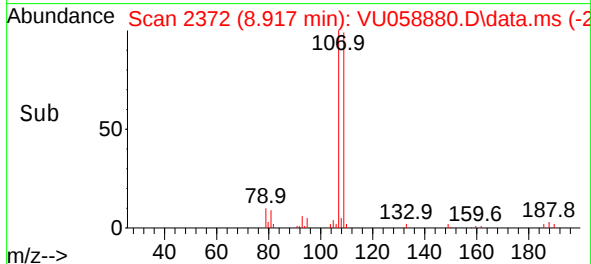
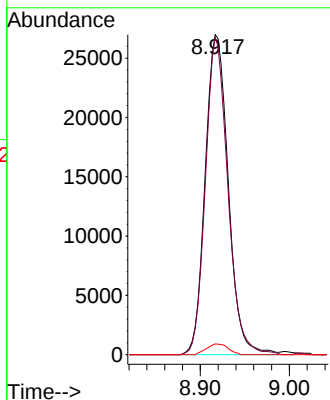
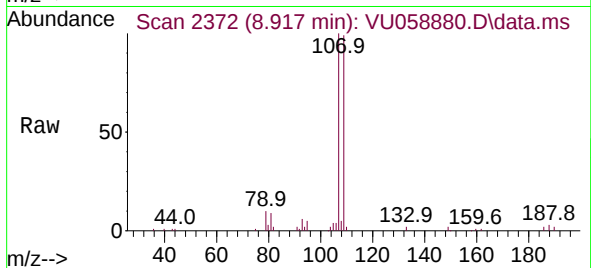




#50
1,2-Dibromoethane
Concen: 5.339 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

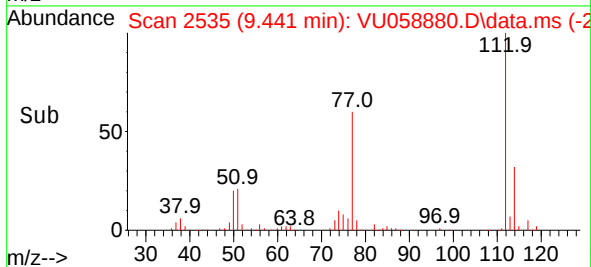
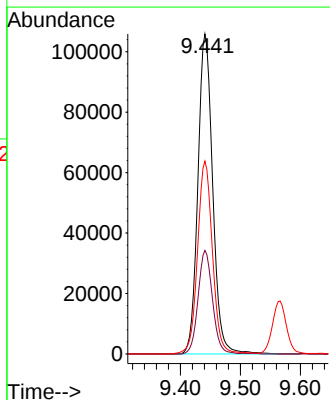
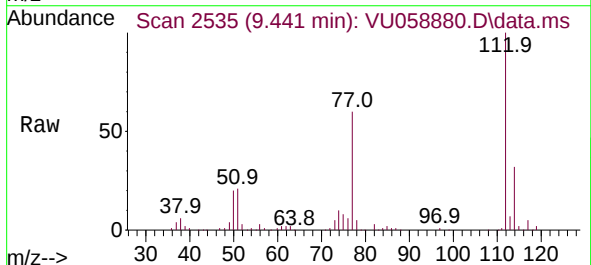
Instrument :
MSVOA_U
ClientSampleId :

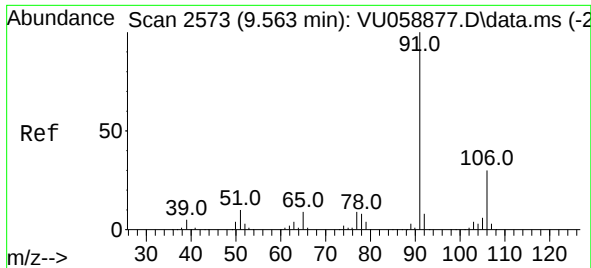
Tgt Ion:107 Resp: 48588
Ion Ratio Lower Upper
107 100
109 99.1 66.9 124.3
188 3.4 2.7 4.1



#51
Chlorobenzene
Concen: 5.321 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

Tgt Ion:112 Resp: 182390
Ion Ratio Lower Upper
112 100
114 32.4 22.4 41.6
77 60.3 49.1 73.7





#52

Ethylbenzene

Concen: 5.424 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. -0.000 min

Lab File: VU058880.D

Acq: 14 May 2024 12:02

Instrument :

MSVOA_U

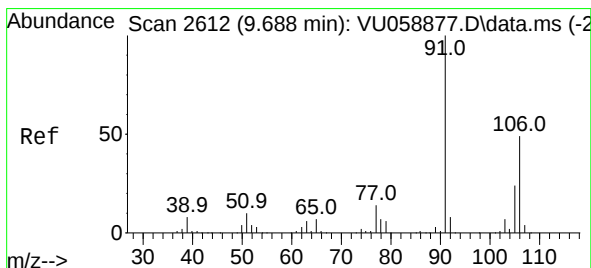
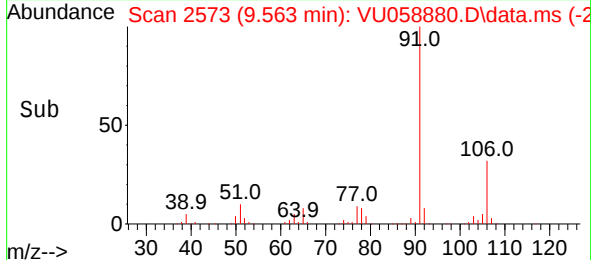
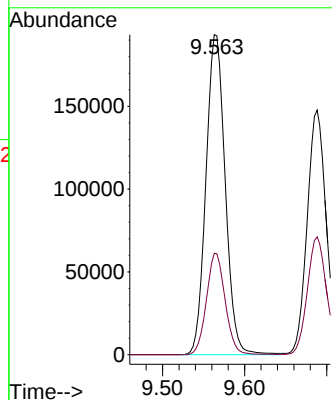
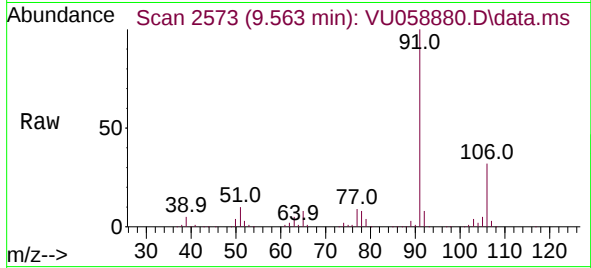
ClientSampleId :

Tgt Ion: 91 Resp: 315006

Ion Ratio Lower Upper

91 100

106 31.6 20.9 38.7



#53

m,p-Xylene

Concen: 5.469 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU058880.D

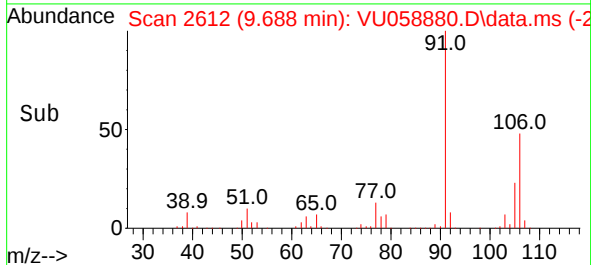
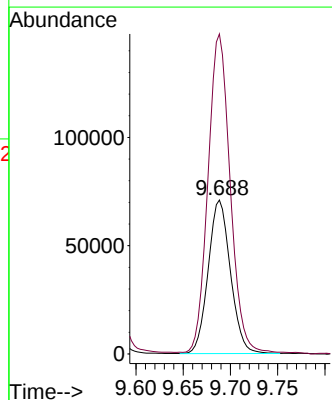
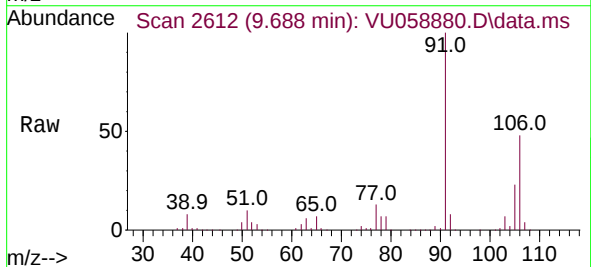
Acq: 14 May 2024 12:02

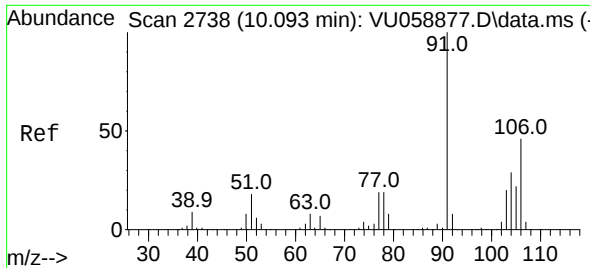
Tgt Ion:106 Resp: 116234

Ion Ratio Lower Upper

106 100

91 207.8 142.0 263.8

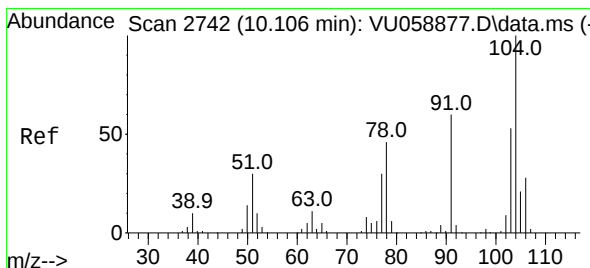
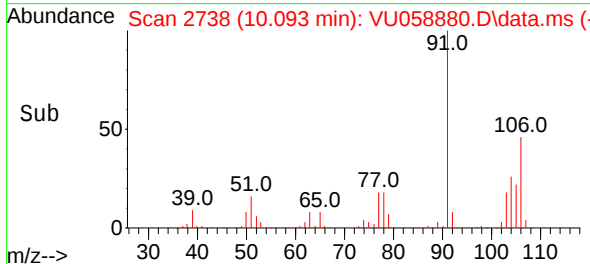
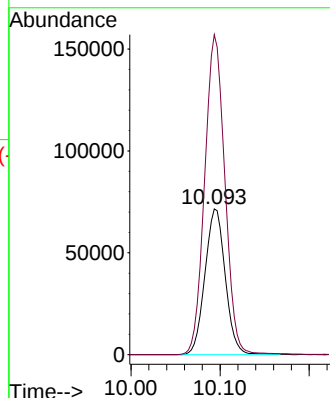
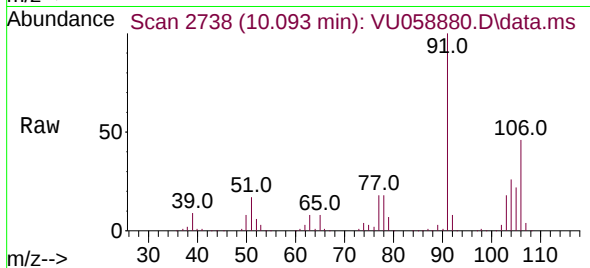




#54
o-Xylene
Concen: 5.451 ug/L
RT: 10.093 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

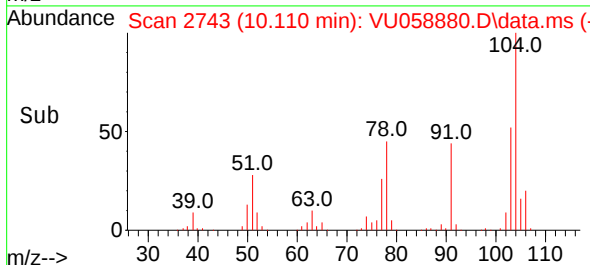
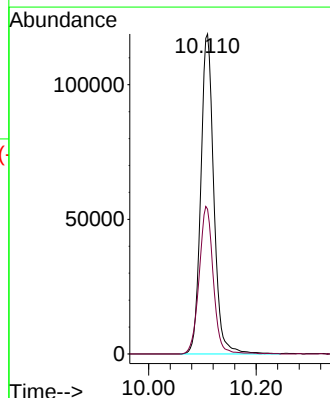
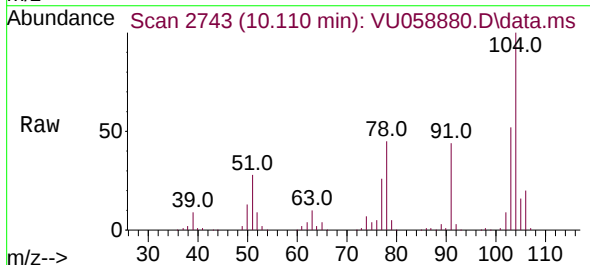
Instrument :
MSVOA_U
ClientSampleId :

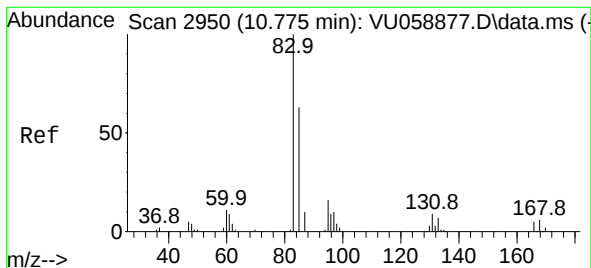
Tgt Ion:106 Resp: 113317
Ion Ratio Lower Upper
106 100
91 219.5 151.6 281.6



#55
Styrene
Concen: 5.732 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

Tgt Ion:104 Resp: 200457
Ion Ratio Lower Upper
104 100
78 45.2 32.3 60.1





#57

1,1,2,2-Tetrachloroethane

Concen: 5.220 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU058880.D

Acq: 14 May 2024 12:02

Instrument :

MSVOA_U

ClientSampleId :

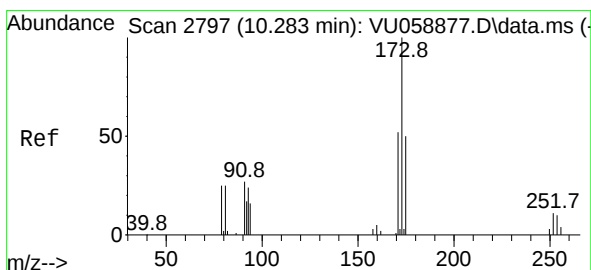
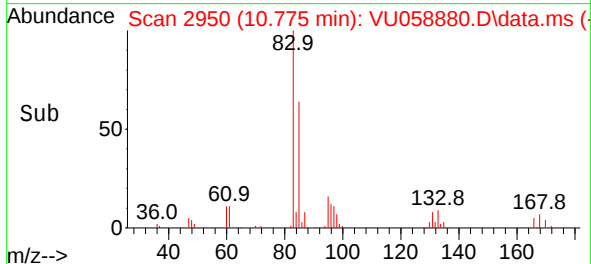
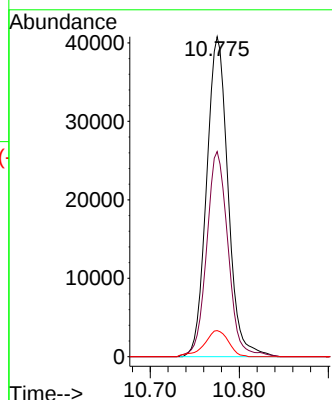
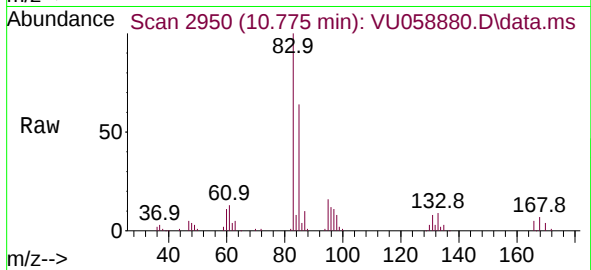
Tgt Ion: 83 Resp: 68153

Ion Ratio Lower Upper

83 100

85 64.1 44.7 82.9

131 8.2 6.9 10.3



#59

Bromoform

Concen: 5.119 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU058880.D

Acq: 14 May 2024 12:02

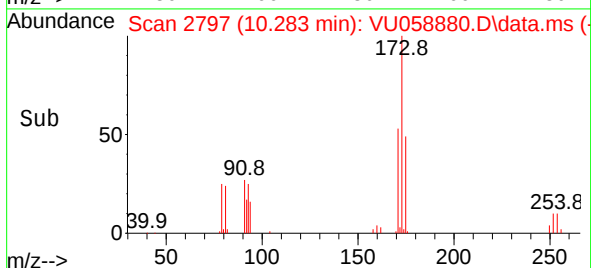
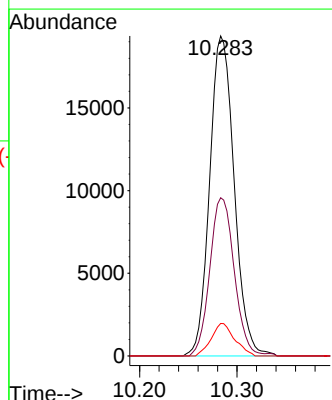
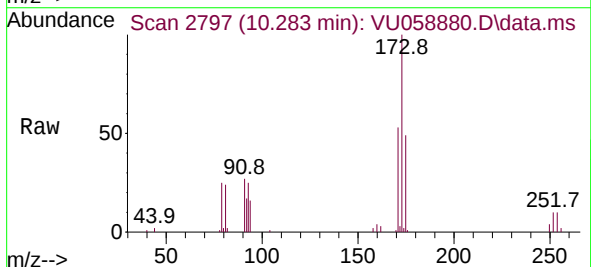
Tgt Ion:173 Resp: 33813

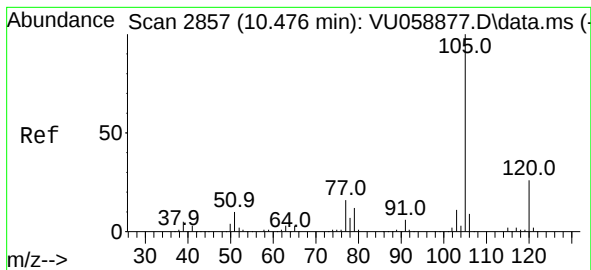
Ion Ratio Lower Upper

173 100

175 49.4 39.4 59.2

254 9.7 7.4 11.2





#60

Isopropylbenzene

Concen: 5.414 ug/L

RT: 10.479 min Scan# 2857

Delta R.T. 0.003 min

Lab File: VU058880.D

Acq: 14 May 2024 12:02

Instrument :

MSVOA_U

ClientSampleId :

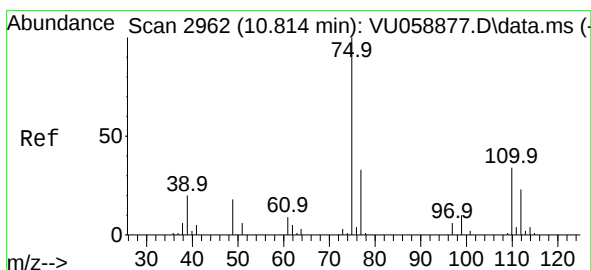
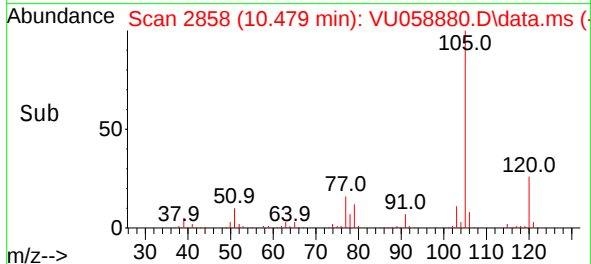
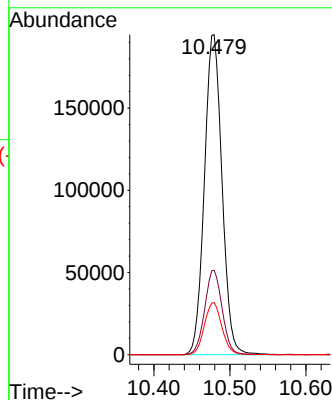
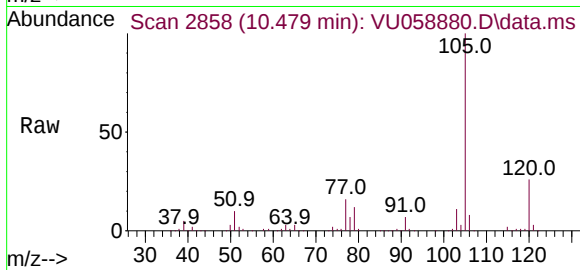
Tgt Ion:105 Resp: 313311

Ion Ratio Lower Upper

105 100

120 26.2 20.6 31.0

77 16.1 12.8 19.2



#61

1,2,3-Trichloropropane

Concen: 5.043 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.003 min

Lab File: VU058880.D

Acq: 14 May 2024 12:02

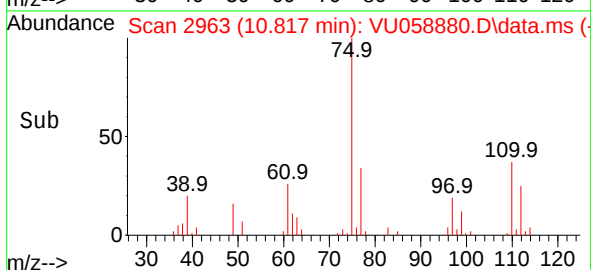
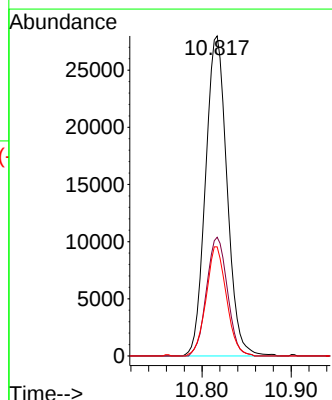
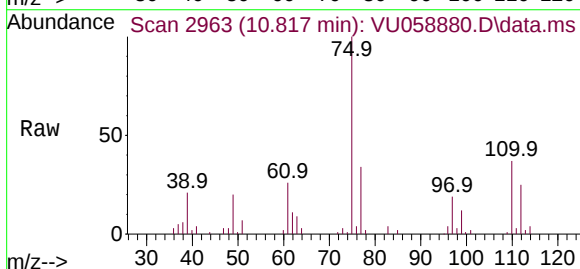
Tgt Ion: 75 Resp: 46943

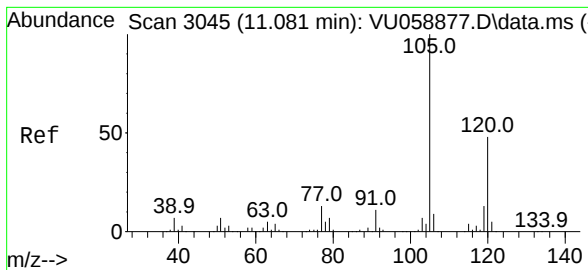
Ion Ratio Lower Upper

75 100

110 36.0 27.1 40.7

77 32.3 25.4 38.2

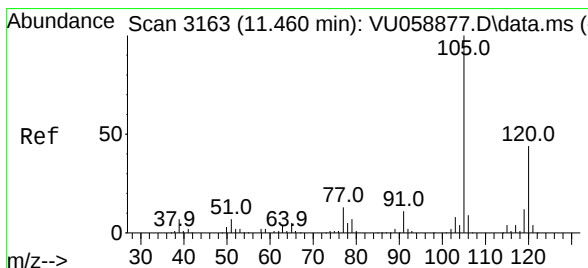
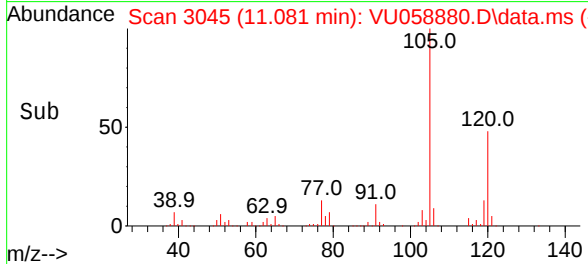
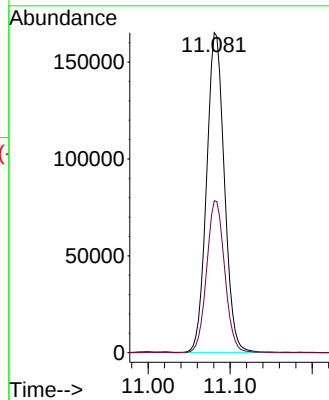
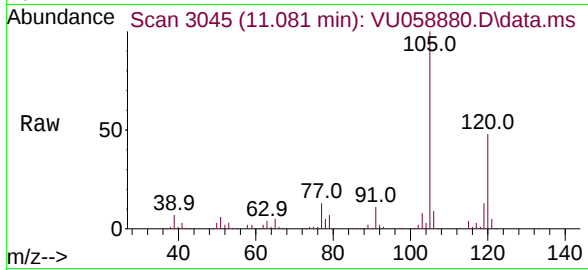




#62
 1,3,5-Trimethylbenzene
 Concen: 5.387 ug/L
 RT: 11.081 min Scan# 3045
 Delta R.T. -0.000 min
 Lab File: VU058880.D
 Acq: 14 May 2024 12:02

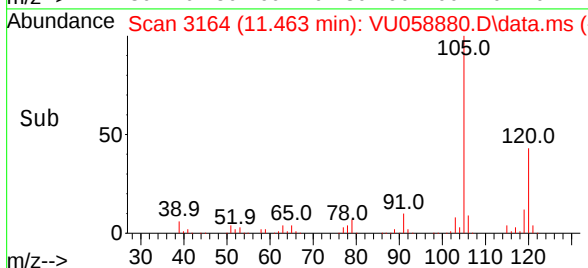
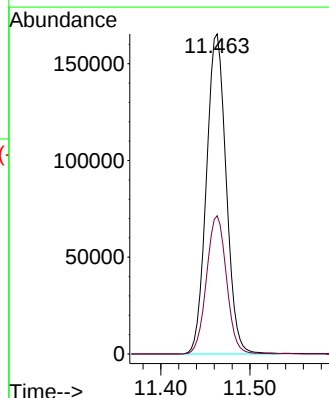
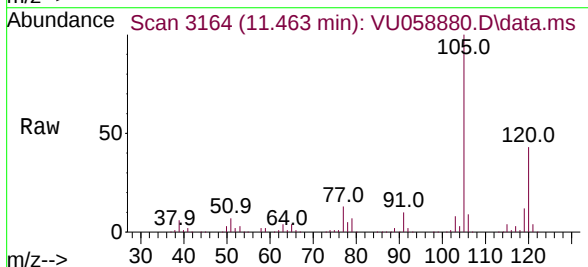
Instrument :
 MSVOA_U
 ClientSampleId :

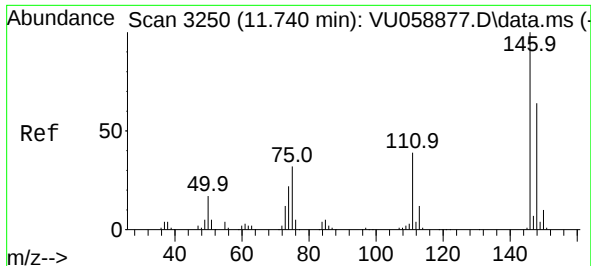
Tgt Ion:105 Resp: 248485
 Ion Ratio Lower Upper
 105 100
 120 48.4 38.2 57.4



#63
 1,2,4-Trimethylbenzene
 Concen: 5.574 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.003 min
 Lab File: VU058880.D
 Acq: 14 May 2024 12:02

Tgt Ion:105 Resp: 254948
 Ion Ratio Lower Upper
 105 100
 120 43.6 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 5.344 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. -0.000 min

Lab File: VU058880.D

Acq: 14 May 2024 12:02

Instrument :

MSVOA_U

ClientSampleId :

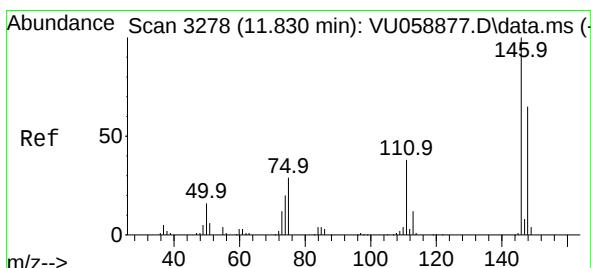
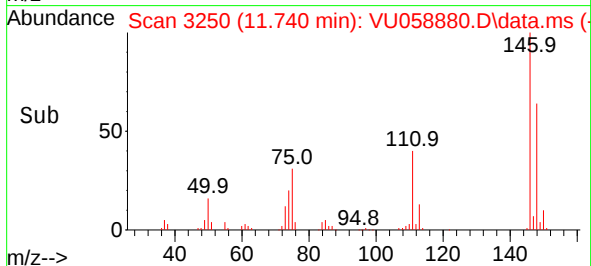
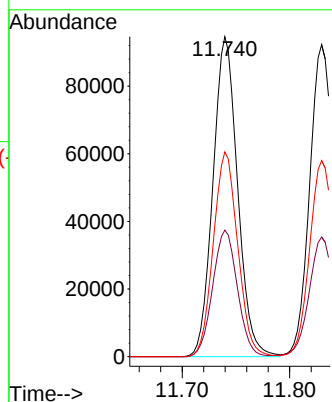
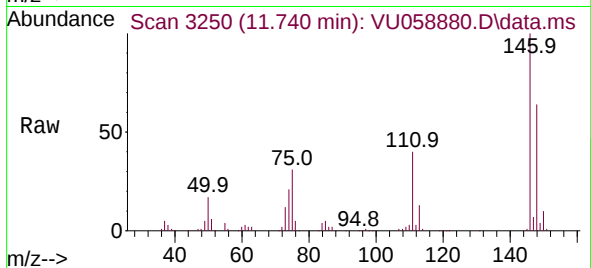
Tgt Ion:146 Resp: 150477

Ion Ratio Lower Upper

146 100

111 39.6 27.4 51.0

148 64.0 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 5.374 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU058880.D

Acq: 14 May 2024 12:02

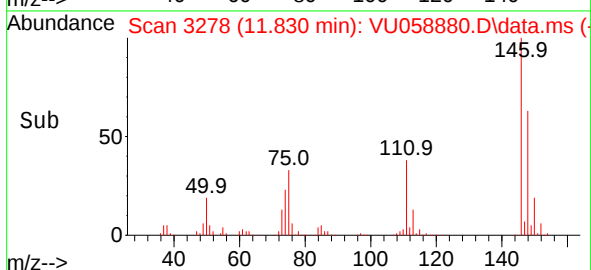
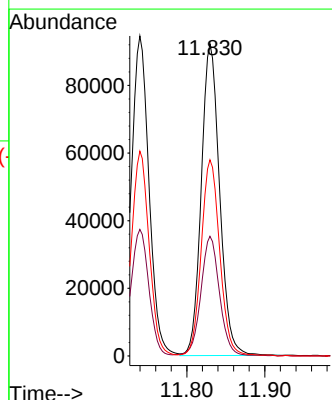
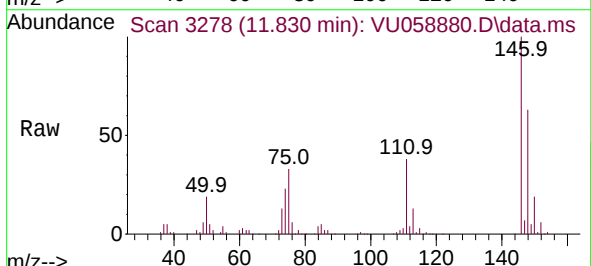
Tgt Ion:146 Resp: 151037

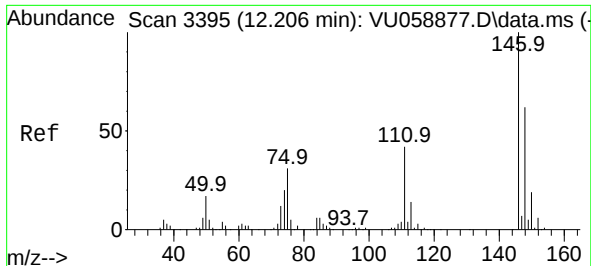
Ion Ratio Lower Upper

146 100

111 38.4 26.9 50.1

148 62.9 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 5.368 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU058880.D

Acq: 14 May 2024 12:02

Instrument :

MSVOA_U

ClientSampleId :

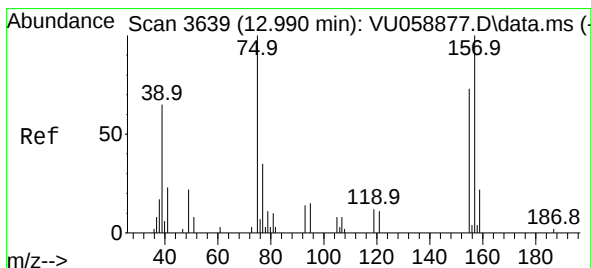
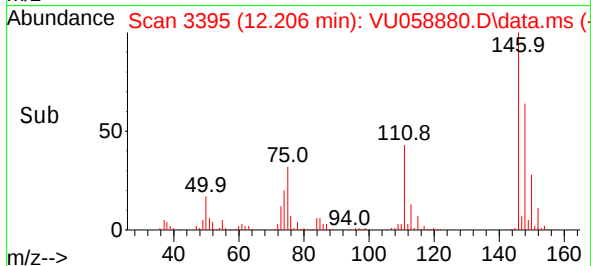
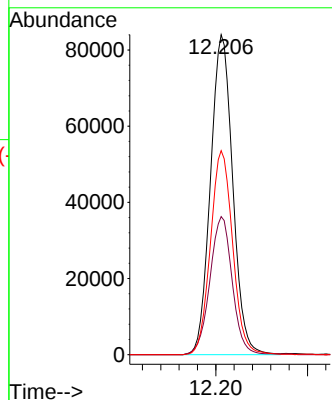
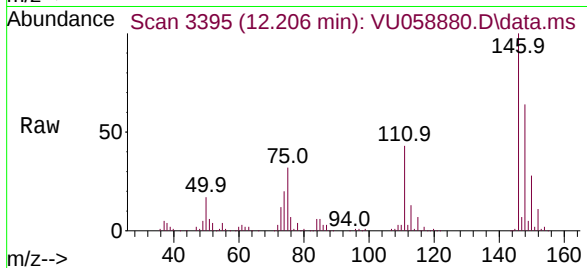
Tgt Ion:146 Resp: 141263

Ion Ratio Lower Upper

146 100

111 43.2 33.4 50.0

148 63.8 49.7 74.5



#68

1,2-Dibromo-3-chloropropane

Concen: 5.403 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU058880.D

Acq: 14 May 2024 12:02

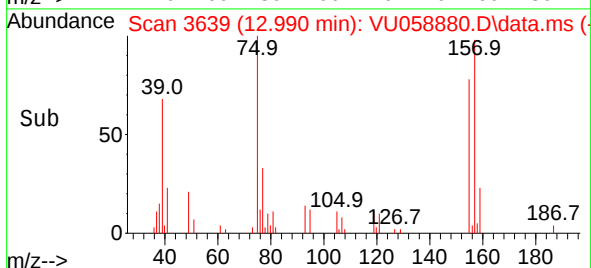
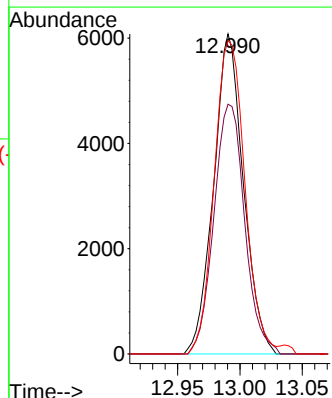
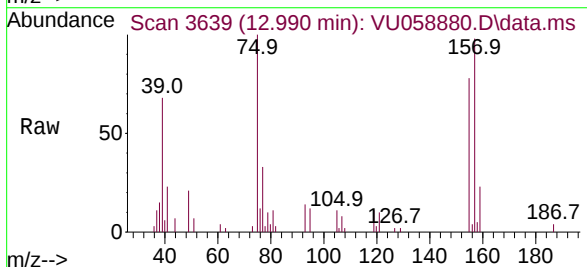
Tgt Ion: 75 Resp: 10118

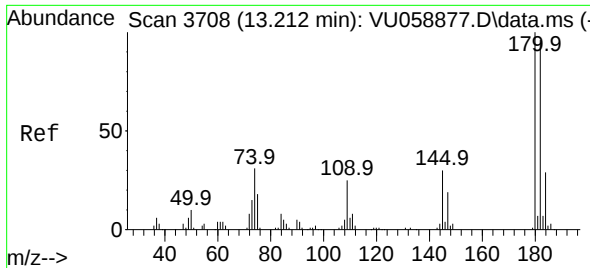
Ion Ratio Lower Upper

75 100

155 78.1 58.2 87.2

157 97.9 80.0 120.0





#69

1,3,5-Trichlorobenzene

Concen: 5.426 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

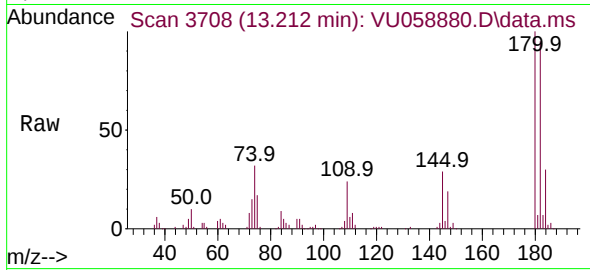
Lab File: VU058880.D

Acq: 14 May 2024 12:02

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 114573

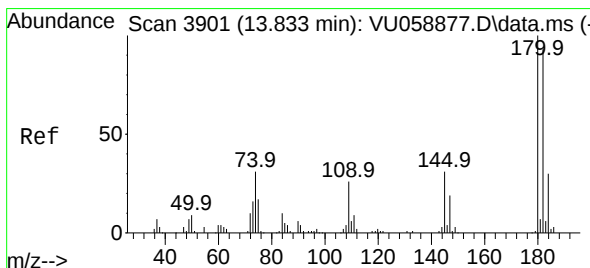
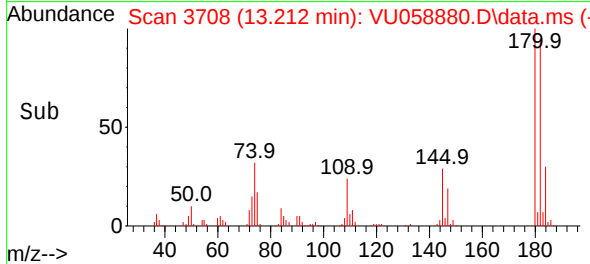
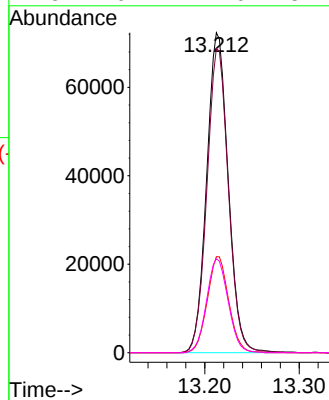
Ion Ratio Lower Upper

180 100

182 94.7 75.4 113.0

184 29.9 23.0 34.6

145 29.4 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 5.688 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU058880.D

Acq: 14 May 2024 12:02

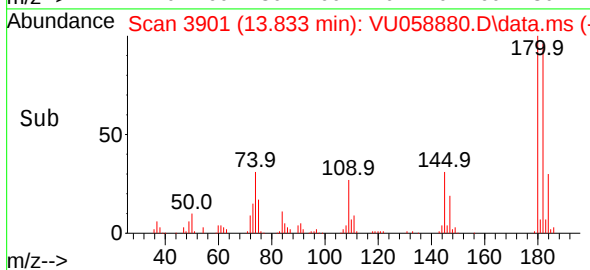
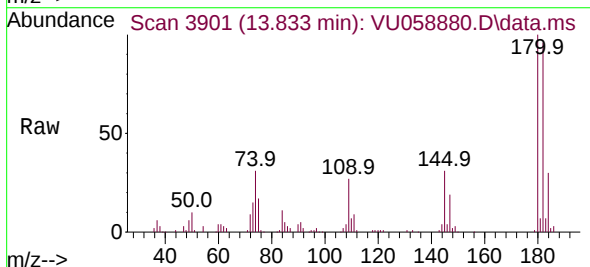
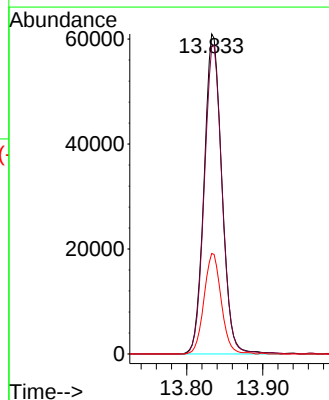
Tgt Ion:180 Resp: 99110

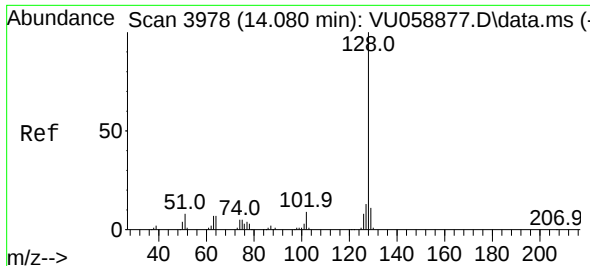
Ion Ratio Lower Upper

180 100

182 96.2 74.9 112.3

145 30.4 23.9 35.9

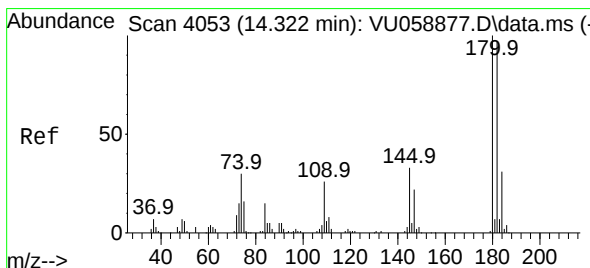
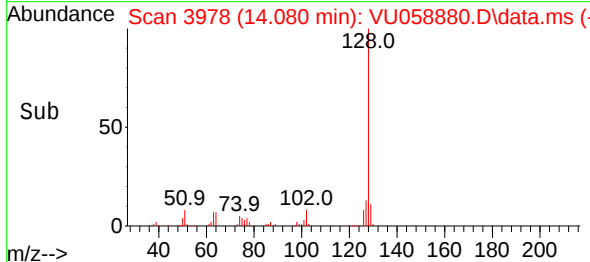
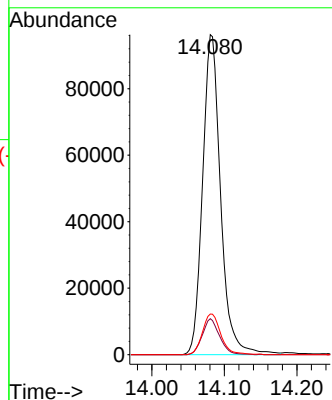
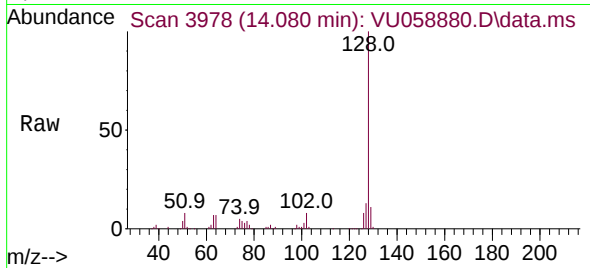




#71
Naphthalene
Concen: 6.326 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 166099
Ion Ratio Lower Upper
128 100
129 10.8 8.2 12.4
127 12.9 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.866 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU058880.D
Acq: 14 May 2024 12:02

Tgt Ion:180 Resp: 89690
Ion Ratio Lower Upper
180 100
182 96.5 77.0 115.6
145 32.5 26.2 39.4

