

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
 Data File : VU055913.D
 Acq On : 26 Oct 2023 18:24
 Operator : MD/SY
 Sample : 04961-10MEMSD
 Misc : 6.28g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 27 02:54:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 27 02:48:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	589050	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	610342	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	331933	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	203468	38.510	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.020%
7) Chloroethane-d5	1.872	69	65618	15.193	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	30.380%#
11) 1,1-Dichloroethene-d2	2.544	63	366121	38.863	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.720%
21) 2-Butanone-d5	4.628	46	301054	76.897	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.900%
24) Chloroform-d	5.055	84	406000	40.083	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.160%
26) 1,2-Dichloroethane-d4	5.695	65	246007	39.458	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.920%
32) Benzene-d6	5.718	84	800178	40.976	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.960%
36) 1,2-Dichloropropane-d6	6.685	67	252375	40.823	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.640%
41) Toluene-d8	7.894	98	737810	41.842	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.680%
43) trans-1,3-Dichloroprop...	8.181	79	124858	42.043	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.080%
47) 2-Hexanone-d5	8.650	63	264432	108.802	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.800%
56) 1,1,2,2-Tetrachloroeth...	10.759	84	413149	43.416	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.840%
66) 1,2-Dichlorobenzene-d4	12.193	152	305410	46.365	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	182648	37.239	ug/L	99
3) Chloromethane	1.515	50	197608	42.579	ug/L	99
5) Vinyl chloride	1.602	62	217675	42.620	ug/L	96
6) Bromomethane	1.824	94	56817	17.402	ug/L	96
8) Chloroethane	1.891	64	51563	15.391	ug/L	99
9) Trichlorofluoromethane	2.088	101	274481	37.615	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.551	101	196047	41.775	ug/L	98
12) 1,1-Dichloroethene	2.554	96	183866	44.029	ug/L	92
13) Acetone	2.634	43	224039	61.666	ug/L	97
14) Carbon disulfide	2.766	76	475867	37.445	ug/L	99
15) Methyl Acetate	2.943	43	220181	39.573	ug/L	95
16) Methylene chloride	3.030	84	228572	45.134	ug/L	93
17) trans-1,2-Dichloroethene	3.335	96	190544	44.622	ug/L	97
18) Methyl tert-butyl Ether	3.361	73	672002	48.933	ug/L	97
19) 1,1-Dichloroethane	3.853	63	387941	44.300	ug/L	99
20) cis-1,2-Dichloroethene	4.653	96	259176	53.179	ug/L	95
22) 2-Butanone	4.705	43	318786	72.798	ug/L	94
23) Bromochloromethane	4.969	128	116280	46.070	ug/L	94
25) Chloroform	5.081	83	406134	44.396	ug/L	97

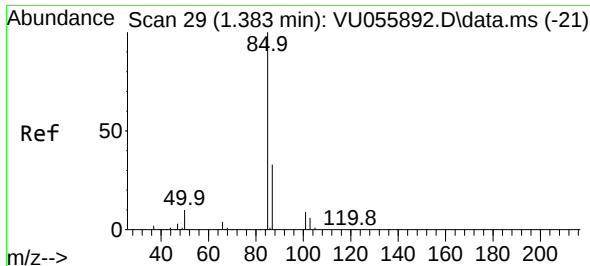
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	315038	43.058	ug/L	98
29) Cyclohexane	5.374	56	327370	46.795	ug/L	98
30) 1,1,1-Trichloroethane	5.306	97	340367	43.164	ug/L	97
31) Carbon tetrachloride	5.512	117	292055	42.314	ug/L	98
33) Benzene	5.763	78	866063	44.889	ug/L	100
34) Trichloroethene	6.534	95	236145	44.733	ug/L	98
35) Methylcyclohexane	6.756	83	339581	44.336	ug/L	99
37) 1,2-Dichloropropane	6.785	63	238827	44.954	ug/L	100
38) Bromodichloromethane	7.103	83	305400	43.591	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	379621	46.968	ug/L	99
40) 4-Methyl-2-pentanone	7.814	43	652879	88.335	ug/L	95
42) Toluene	7.965	91	957999	47.058	ug/L	98
44) trans-1,3-Dichloropropene	8.210	75	360363	46.598	ug/L	100
45) 1,1,2-Trichloroethane	8.399	97	249676	47.661	ug/L	98
46) Tetrachloroethene	8.550	164	173943	46.021	ug/L	98
48) 2-Hexanone	8.698	43	521939	83.606	ug/L	93
49) Dibromochloromethane	8.811	129	248461	46.418	ug/L	98
50) 1,2-Dibromoethane	8.923	107	258587	45.957	ug/L	98
51) Chlorobenzene	9.451	112	644744	48.949	ug/L	99
52) Ethylbenzene	9.570	91	1111579	49.943	ug/L	99
53) m,p-Xylene	9.695	106	426450	51.143	ug/L	95
54) o-Xylene	10.100	106	419808	52.028	ug/L	97
55) Styrene	10.119	104	734104	53.705	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.785	83	442363	49.316	ug/L	98
59) Bromoform	10.296	173	205694	50.339	ug/L	96
60) 1,2,3-Trichloropropane	10.824	75	345858	48.010	ug/L	99
61) Isopropylbenzene	10.486	105	1132404	54.724	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	973164	58.120	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	969735	58.570	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	518165	50.654	ug/L	99
65) 1,4-Dichlorobenzene	11.836	146	525527	49.968	ug/L	98
67) 1,2-Dichlorobenzene	12.213	146	522126	51.434	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	88058	40.886	ug/L	92
69) 1,3,5-Trichlorobenzene	13.216	180	367150	53.808	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	321374	56.546	ug/L	98
71) Naphthalene	14.084	128	1026625	60.808	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	322696	57.588	ug/L	98

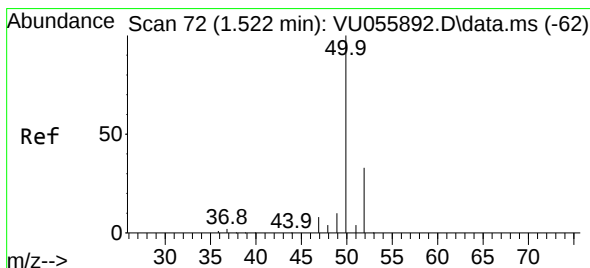
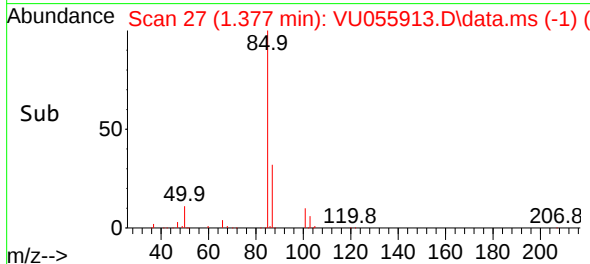
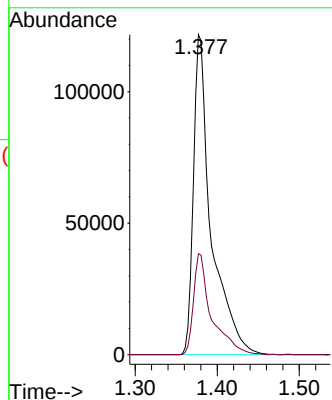
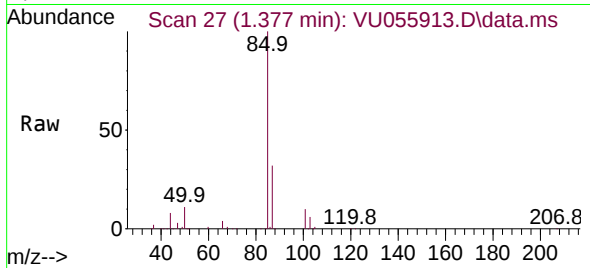
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 37.239 ug/L
RT: 1.377 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

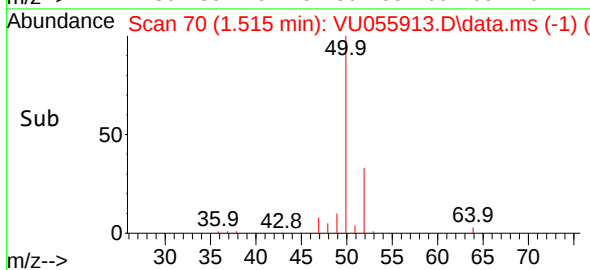
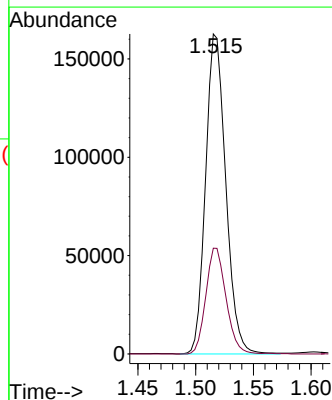
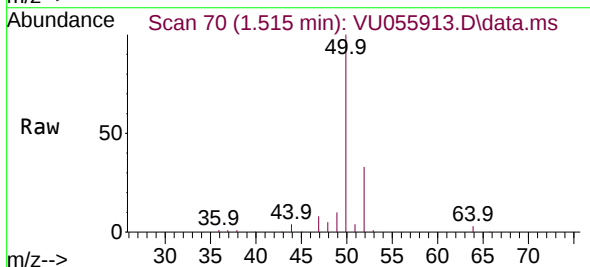
Instrument :
MSVOA_U
ClientSampleId :

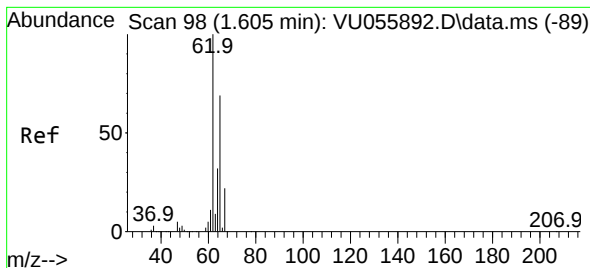
Tgt Ion: 85 Resp: 182648
Ion Ratio Lower Upper
85 100
87 31.9 26.0 39.0



#3
Chloromethane
Concen: 42.579 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.006 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

Tgt Ion: 50 Resp: 197608
Ion Ratio Lower Upper
50 100
52 33.0 22.8 42.4





#5

Vinyl chloride

Concen: 42.620 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.003 min

Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

Instrument :

MSVOA_U

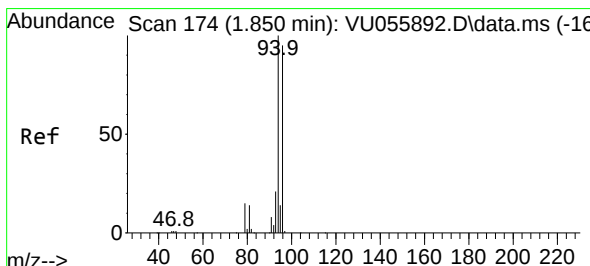
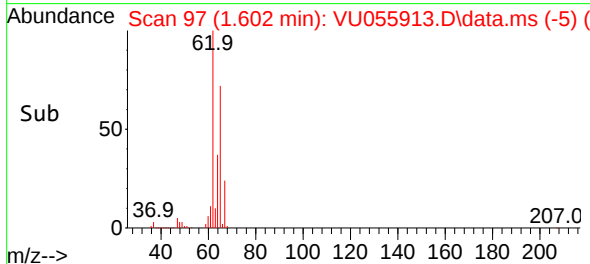
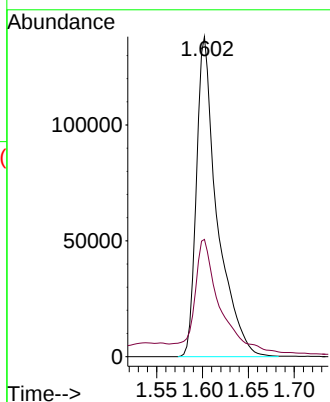
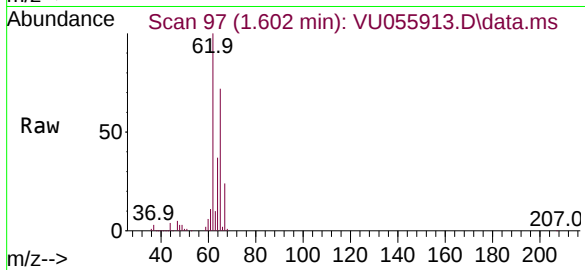
ClientSampleId :

Tgt Ion: 62 Resp: 217675

Ion Ratio Lower Upper

62 100

64 36.7 23.9 44.5



#6

Bromomethane

Concen: 17.402 ug/L

RT: 1.824 min Scan# 166

Delta R.T. -0.026 min

Lab File: VU055913.D

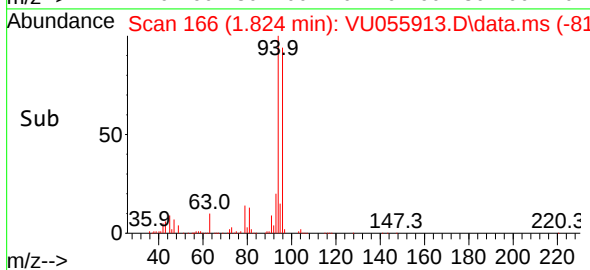
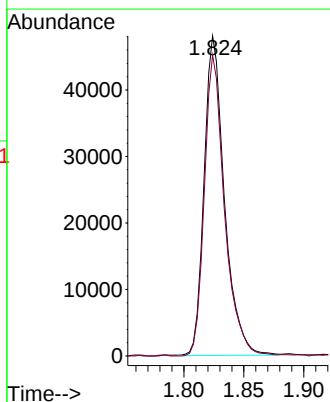
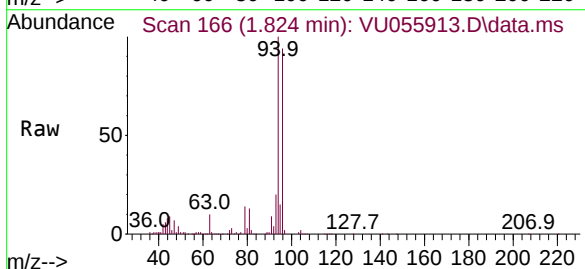
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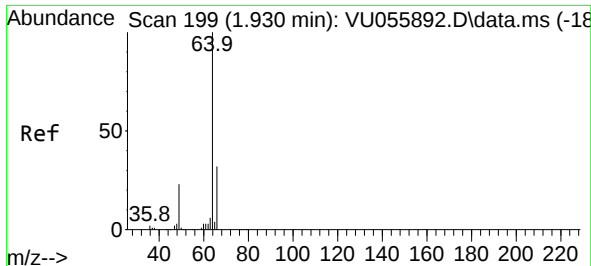
Tgt Ion: 94 Resp: 56817

Ion Ratio Lower Upper

94 100

96 94.1 63.5 117.9

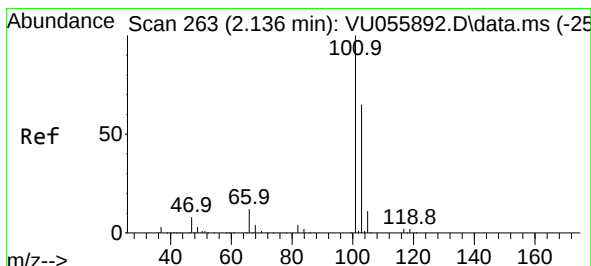
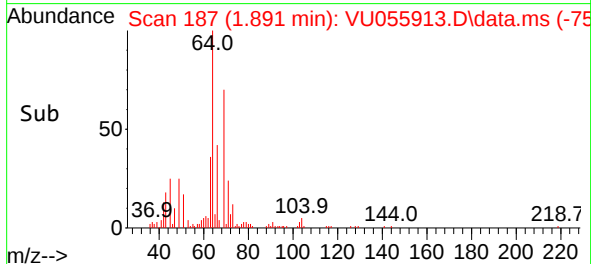
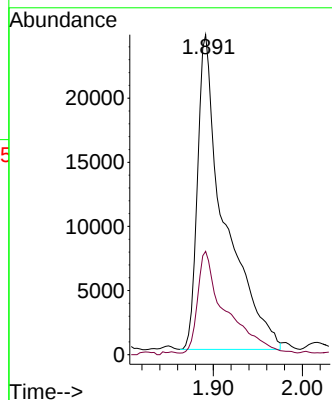
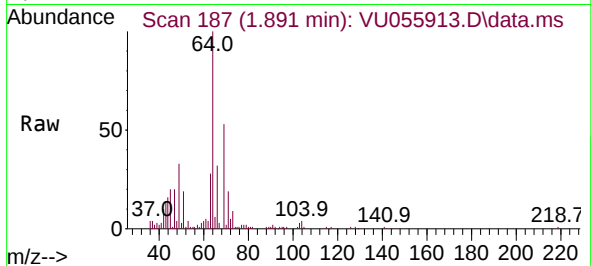




#8
Chloroethane
Concen: 15.391 ug/L
RT: 1.891 min Scan# 11
Delta R.T. -0.038 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

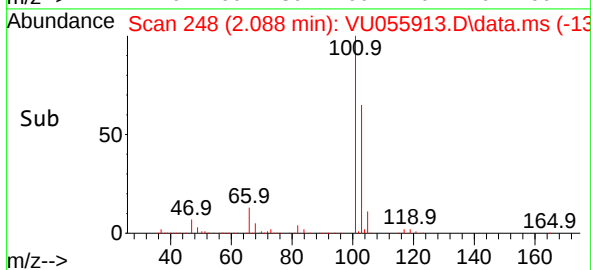
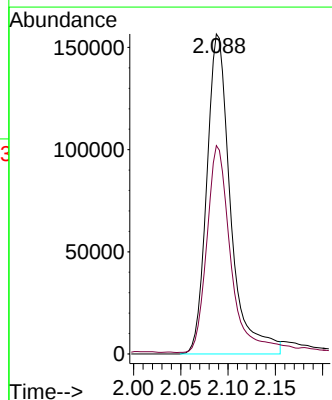
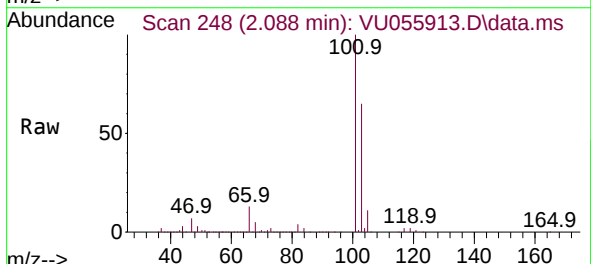
Instrument :
MSVOA_U
ClientSampleId :

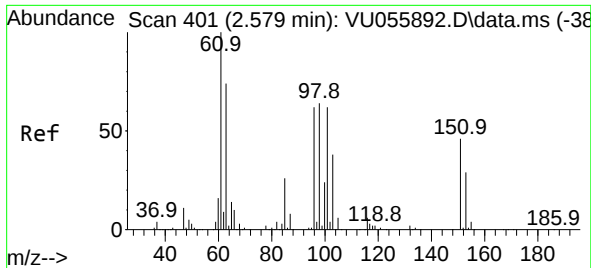
Tgt Ion: 64 Resp: 51563
Ion Ratio Lower Upper
64 100
66 32.3 22.9 42.5



#9
Trichlorofluoromethane
Concen: 37.615 ug/L
RT: 2.088 min Scan# 248
Delta R.T. -0.048 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

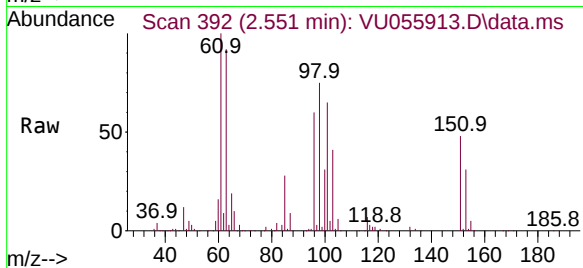
Tgt Ion:101 Resp: 274481
Ion Ratio Lower Upper
101 100
103 65.5 51.3 76.9



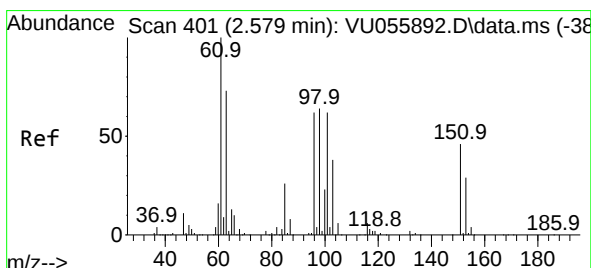
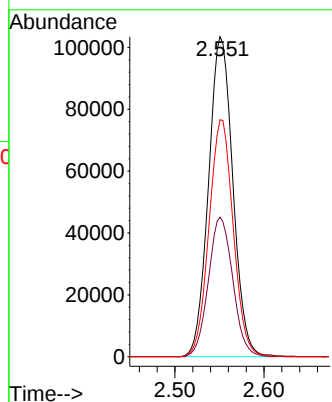
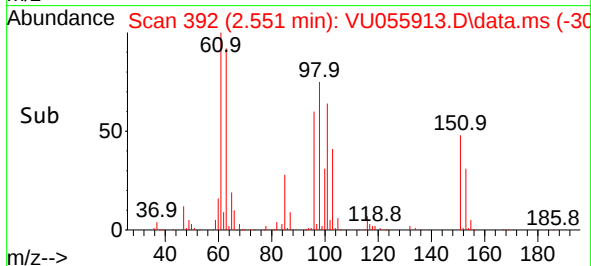


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 41.775 ug/L
 RT: 2.551 min Scan# 392
 Delta R.T. -0.029 min
 Lab File: VU055913.D
 Acq: 26 Oct 2023 18:24

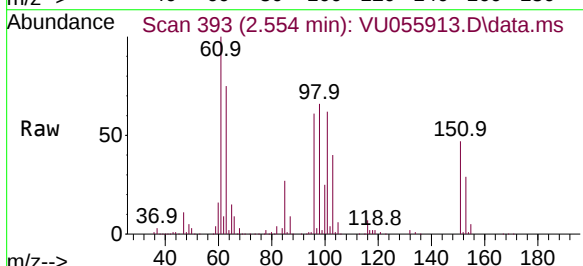
Instrument :
 MSVOA_U
 ClientSampleId :



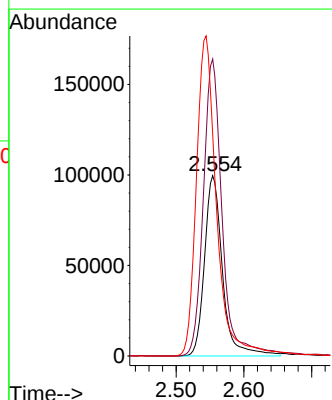
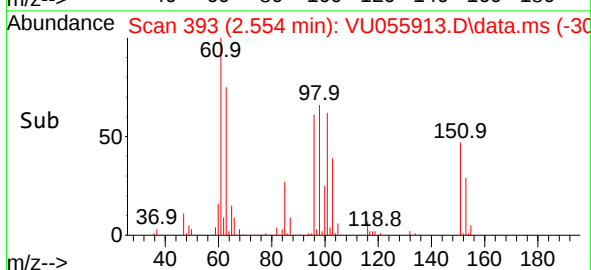
Tgt Ion:101 Resp: 196047
 Ion Ratio Lower Upper
 101 100
 85 43.7 37.1 55.7
 151 73.7 58.2 87.4

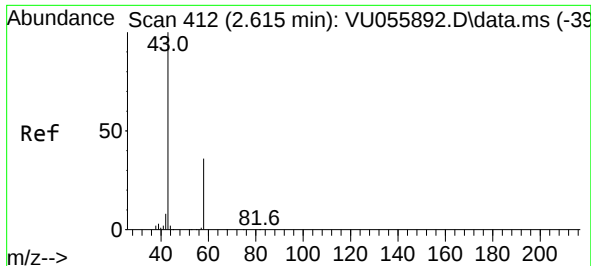


#12
 1,1-Dichloroethene
 Concen: 44.029 ug/L
 RT: 2.554 min Scan# 393
 Delta R.T. -0.026 min
 Lab File: VU055913.D
 Acq: 26 Oct 2023 18:24



Tgt Ion: 96 Resp: 183866
 Ion Ratio Lower Upper
 96 100
 61 164.7 122.0 226.6
 63 123.3 93.7 174.1





#13

Acetone

Concen: 61.666 ug/L

RT: 2.634 min Scan# 412

Delta R.T. 0.019 min

Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

Instrument :

MSVOA_U

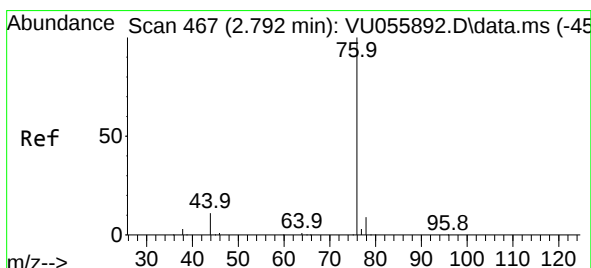
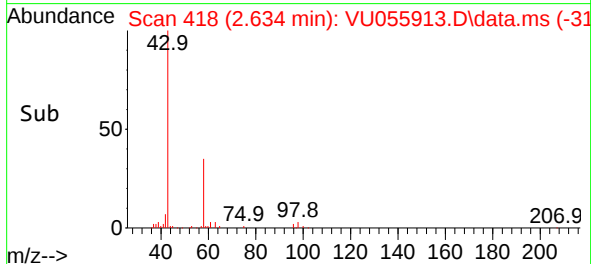
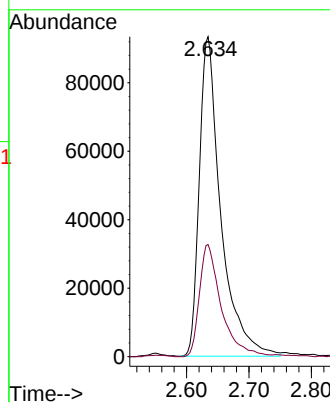
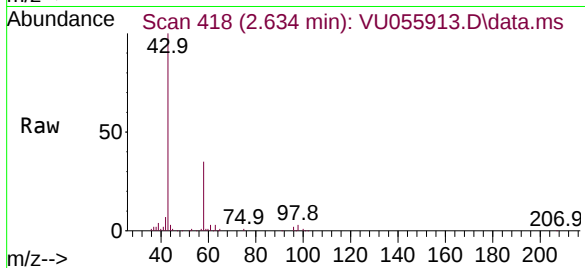
ClientSampleId :

Tgt Ion: 43 Resp: 224039

Ion Ratio Lower Upper

43 100

58 35.5 0.0 67.4



#14

Carbon disulfide

Concen: 37.445 ug/L

RT: 2.766 min Scan# 459

Delta R.T. -0.026 min

Lab File: VU055913.D

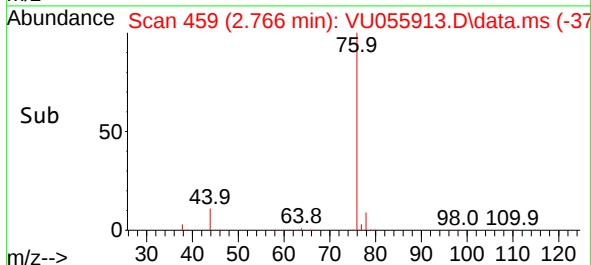
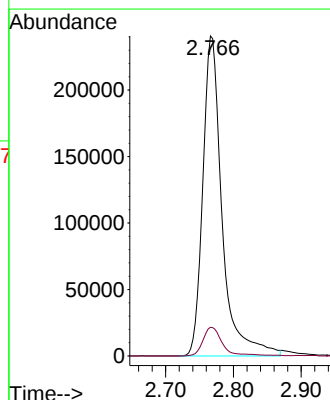
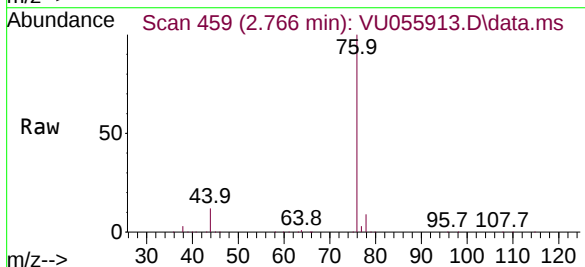
Acq: 26 Oct 2023 18:24

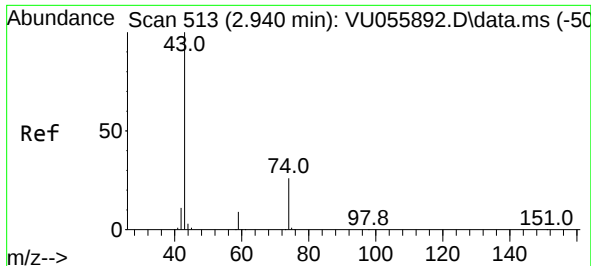
Tgt Ion: 76 Resp: 475867

Ion Ratio Lower Upper

76 100

78 9.0 6.8 10.2

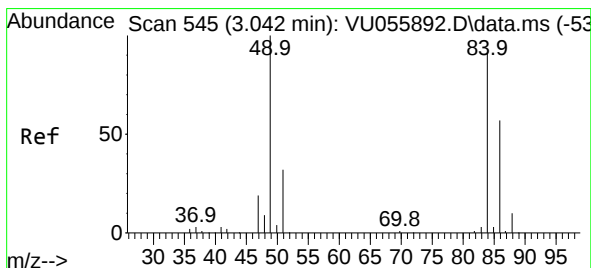
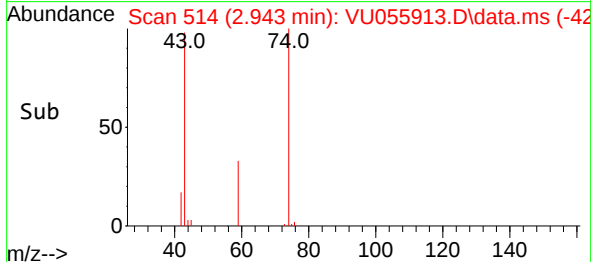
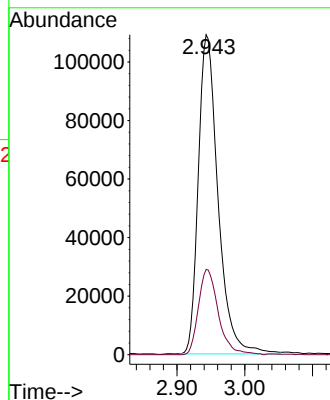
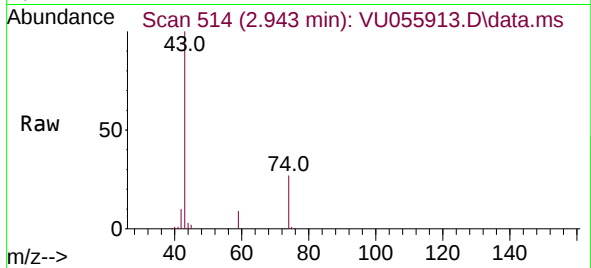




#15
Methyl Acetate
Concen: 39.573 ug/L
RT: 2.943 min Scan# 513
Delta R.T. 0.003 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

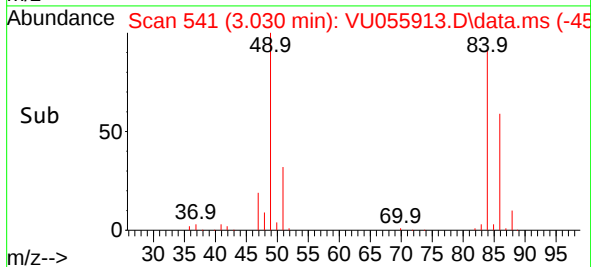
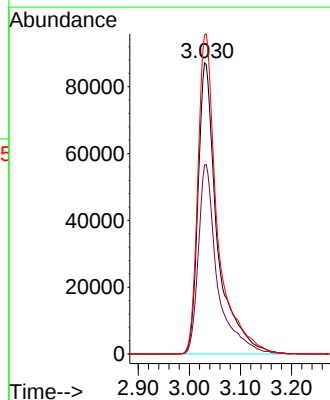
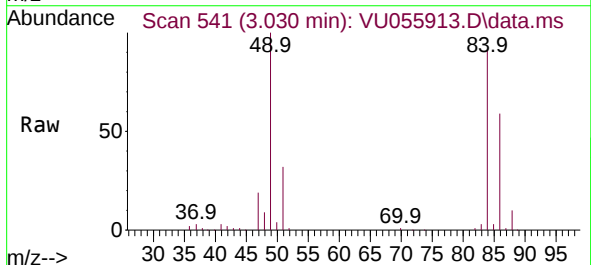
Instrument :
MSVOA_U
ClientSampleId :

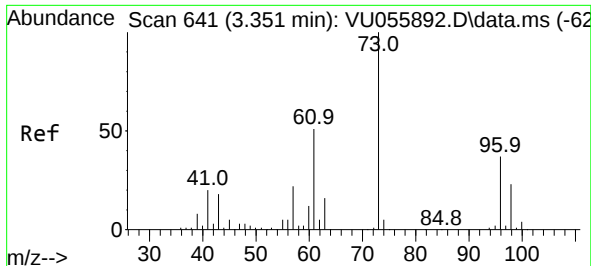
Tgt Ion: 43 Resp: 220181
Ion Ratio Lower Upper
43 100
74 26.9 19.5 29.3



#16
Methylene chloride
Concen: 45.134 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.013 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

Tgt Ion: 84 Resp: 228572
Ion Ratio Lower Upper
84 100
86 64.8 46.3 86.1
49 109.6 84.8 157.6

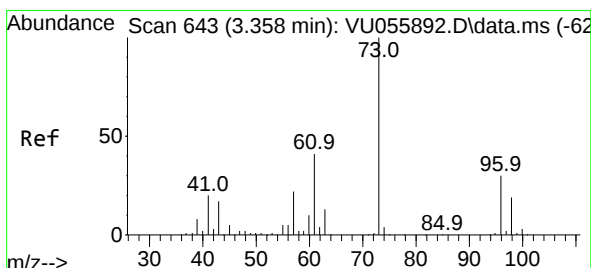
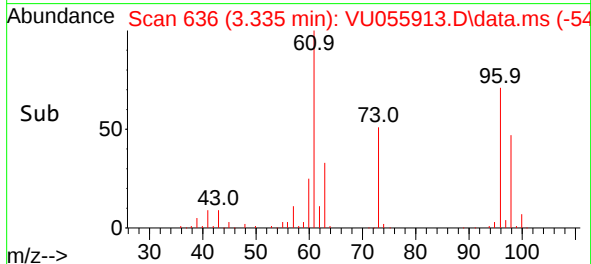
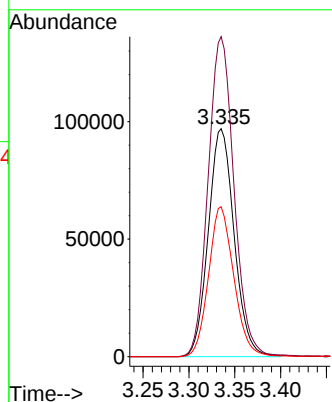
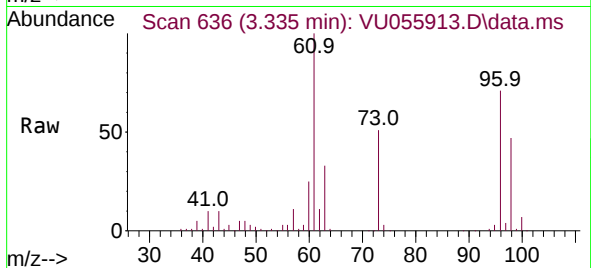




#17
trans-1,2-Dichloroethene
Concen: 44.622 ug/L
RT: 3.335 min Scan# 61
Delta R.T. -0.016 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

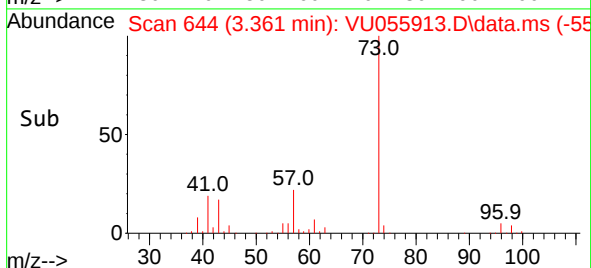
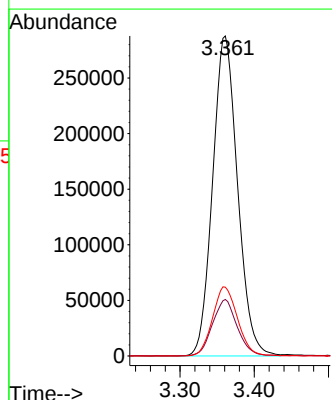
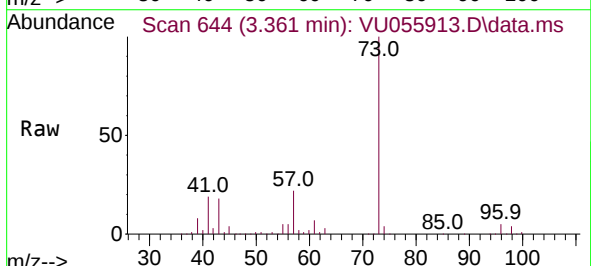
Instrument :
MSVOA_U
ClientSampleId :

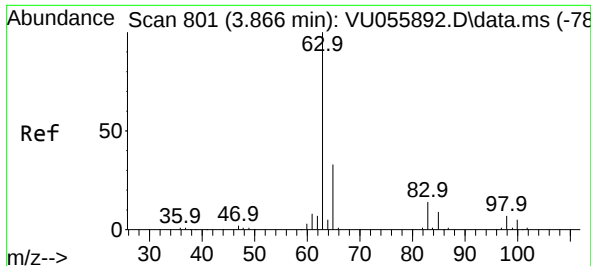
Tgt Ion: 96 Resp: 190544
Ion Ratio Lower Upper
96 100
61 140.3 102.1 189.7
98 65.7 46.3 86.1



#18
Methyl tert-butyl Ether
Concen: 48.933 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

Tgt Ion: 73 Resp: 672002
Ion Ratio Lower Upper
73 100
43 17.2 15.4 23.2
57 21.6 17.7 26.5





#19

1,1-Dichloroethane

Concen: 44.300 ug/L

RT: 3.853 min Scan# 797

Delta R.T. -0.013 min

Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

Instrument :

MSVOA_U

ClientSampleId :

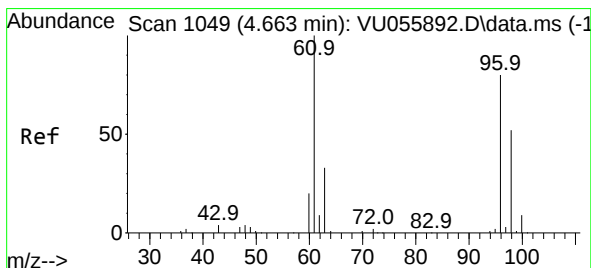
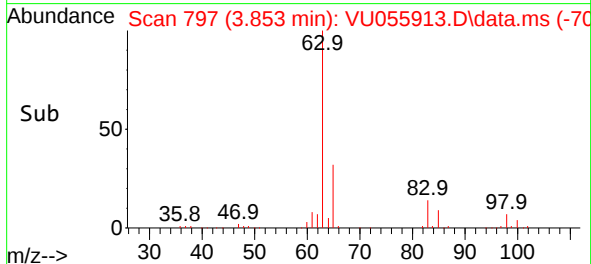
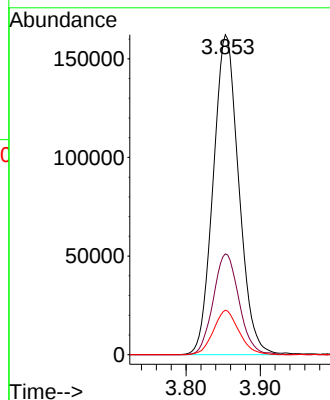
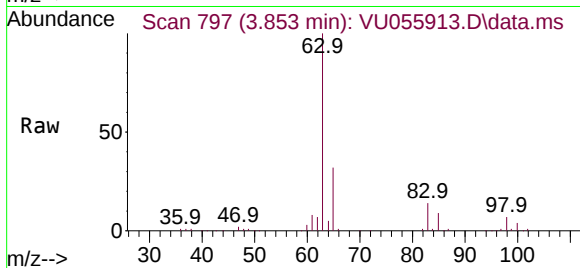
Tgt Ion: 63 Resp: 387941

Ion Ratio Lower Upper

63 100

65 31.5 22.3 41.5

83 13.9 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 53.179 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. -0.010 min

Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

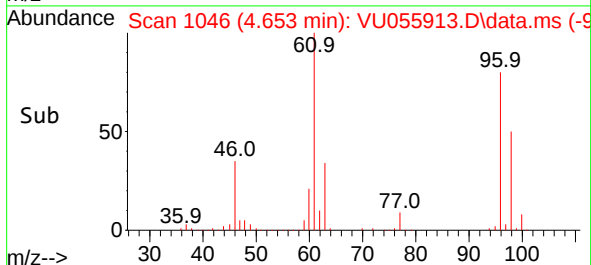
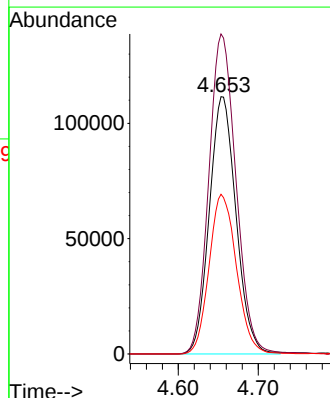
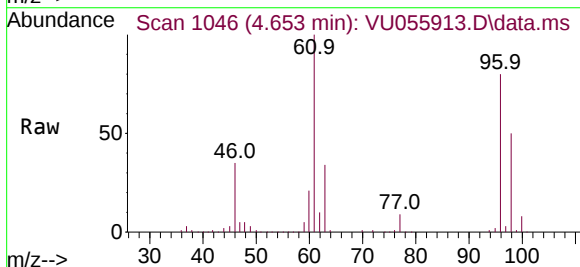
Tgt Ion: 96 Resp: 259176

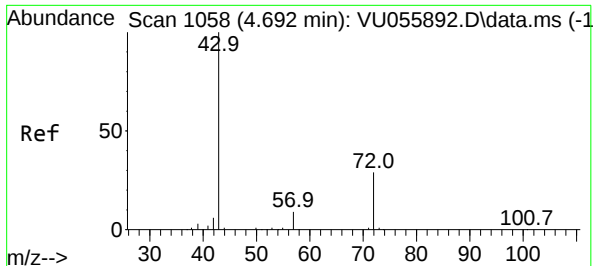
Ion Ratio Lower Upper

96 100

61 124.3 92.3 171.5

98 62.0 43.9 81.5

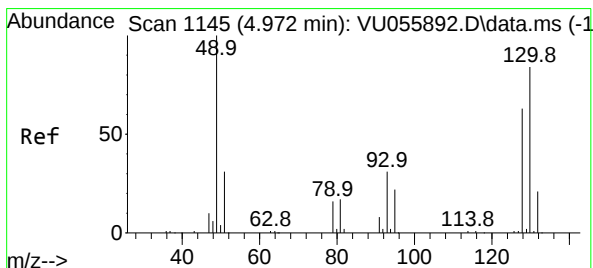
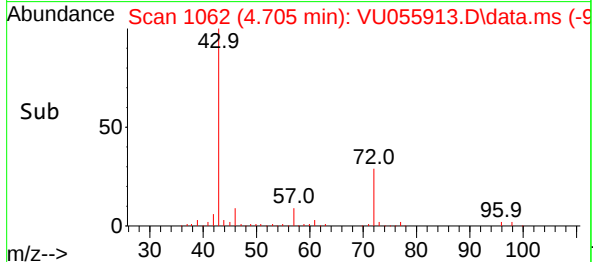
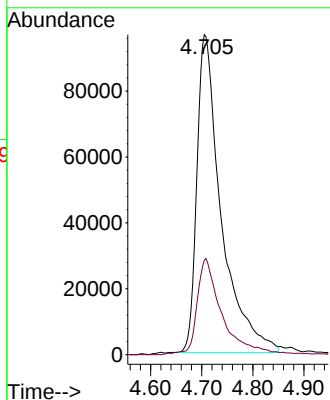
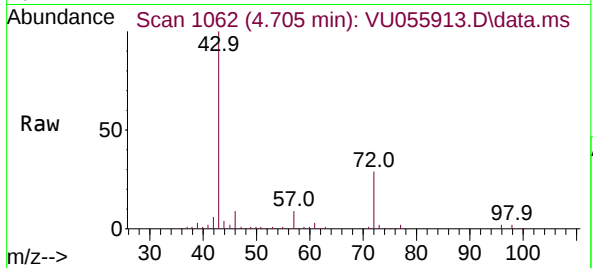




#22
2-Butanone
Concen: 72.798 ug/L
RT: 4.705 min Scan# 1106
Delta R.T. 0.013 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

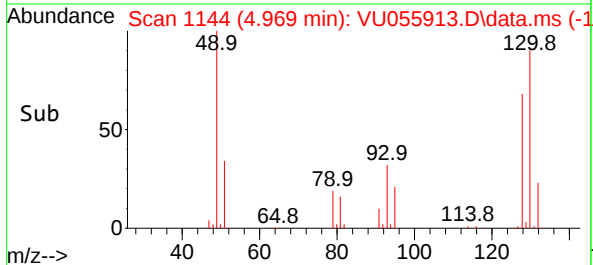
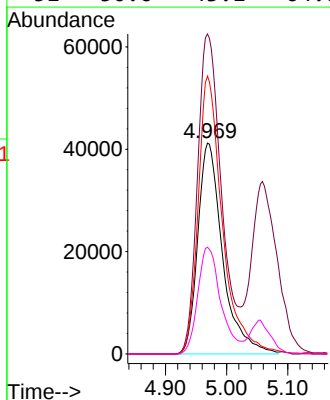
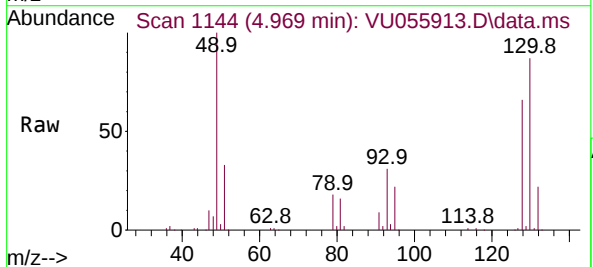
Instrument :
MSVOA_U
ClientSampleId :

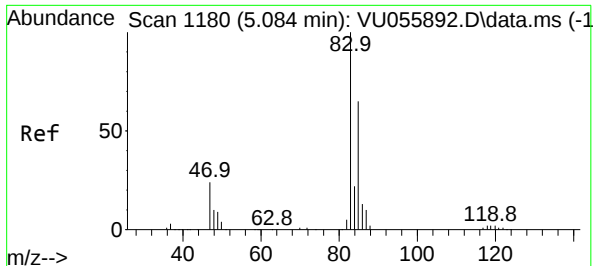
Tgt Ion: 43 Resp: 318786
Ion Ratio Lower Upper
43 100
72 26.3 14.6 44.0



#23
Bromochloromethane
Concen: 46.070 ug/L
RT: 4.969 min Scan# 1144
Delta R.T. -0.003 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

Tgt Ion:128 Resp: 116280
Ion Ratio Lower Upper
128 100
49 151.7 116.3 216.1
130 131.8 91.6 170.0
51 50.6 43.1 64.7





#25

Chloroform

Concen: 44.396 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

Instrument :

MSVOA_U

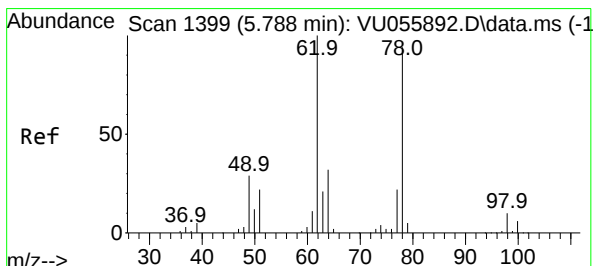
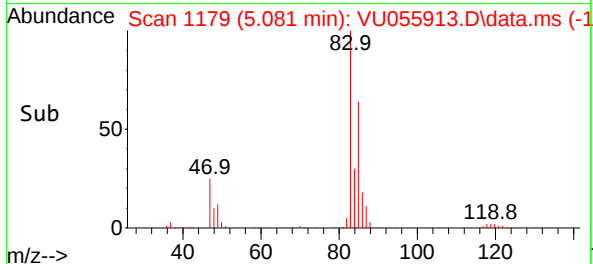
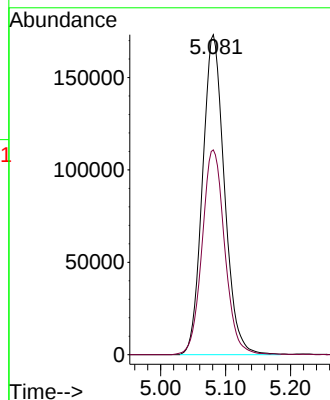
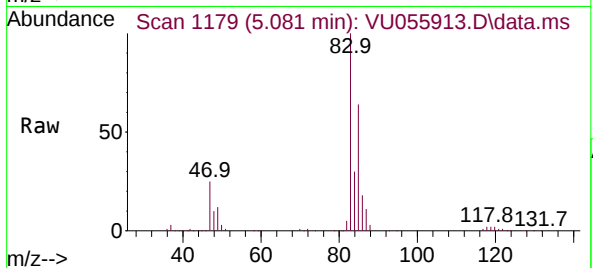
ClientSampleId :

Tgt Ion: 83 Resp: 406134

Ion Ratio Lower Upper

83 100

85 64.0 46.3 86.1



#27

1,2-Dichloroethane

Concen: 43.058 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU055913.D

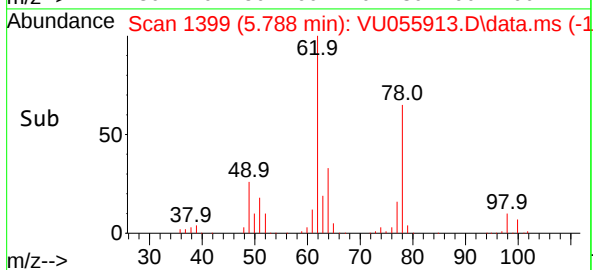
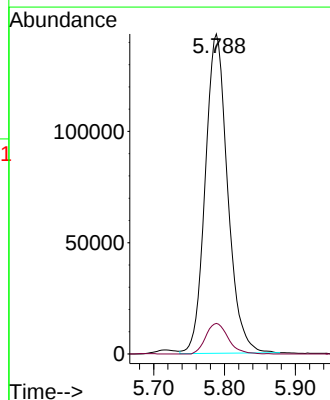
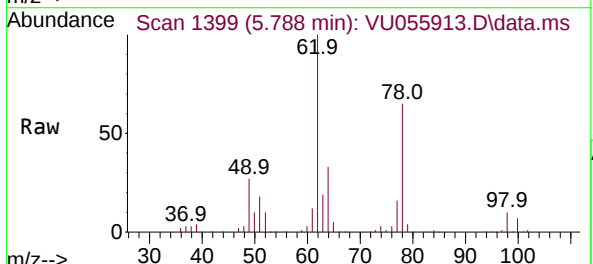
Acq: 26 Oct 2023 18:24

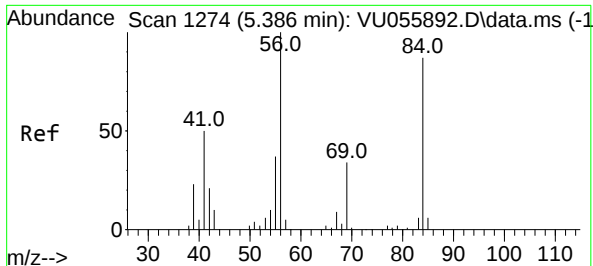
Tgt Ion: 62 Resp: 315038

Ion Ratio Lower Upper

62 100

98 9.6 7.2 10.8





#29

Cyclohexane

Concen: 46.795 ug/L

RT: 5.374 min Scan# 1249

Delta R.T. -0.013 min

Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

Instrument :

MSVOA_U

ClientSampleId :

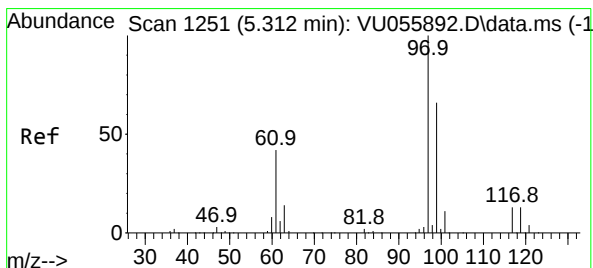
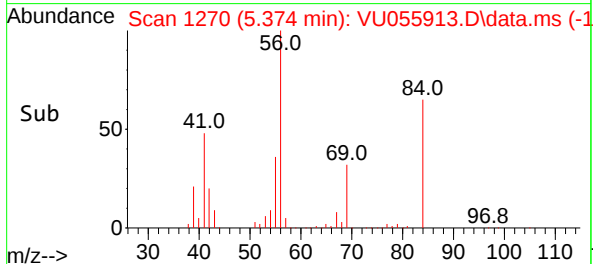
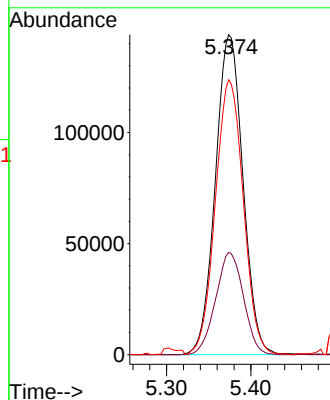
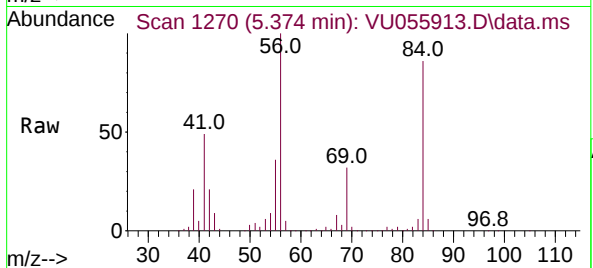
Tgt Ion: 56 Resp: 327370

Ion Ratio Lower Upper

56 100

69 32.2 24.9 37.3

84 87.1 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 43.164 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. -0.006 min

Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

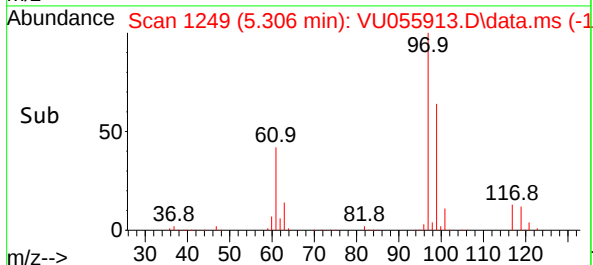
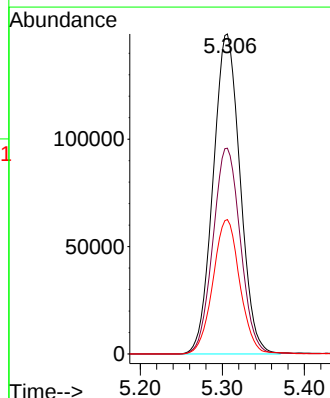
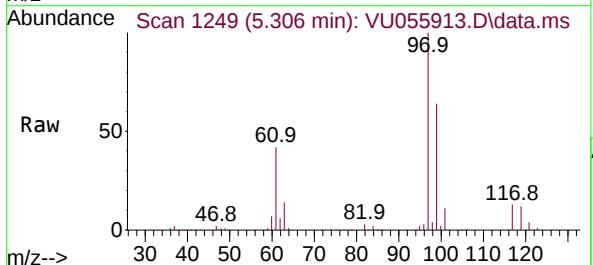
Tgt Ion: 97 Resp: 340367

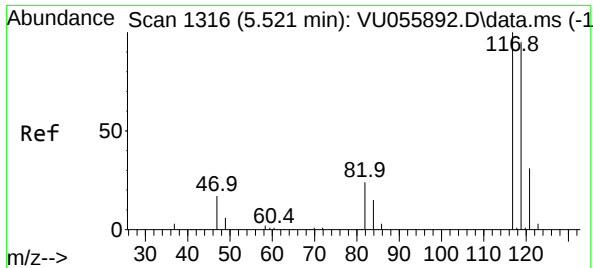
Ion Ratio Lower Upper

97 100

99 65.5 51.6 77.4

61 41.8 36.8 55.2

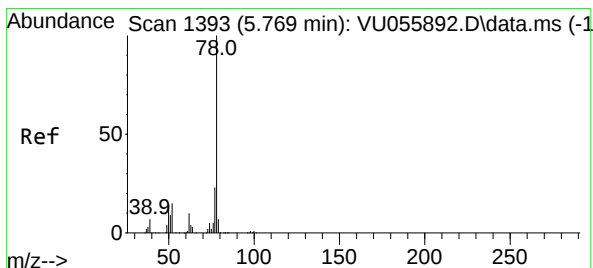
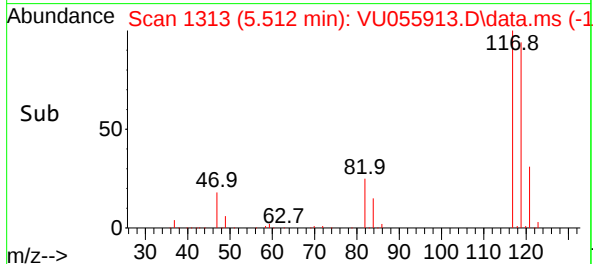
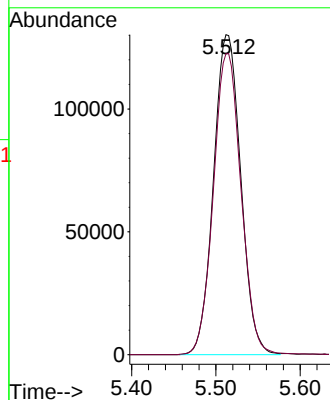
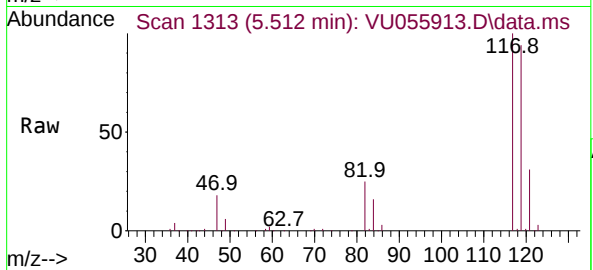




#31
Carbon tetrachloride
Concen: 42.314 ug/L
RT: 5.512 min Scan# 117
Delta R.T. -0.010 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

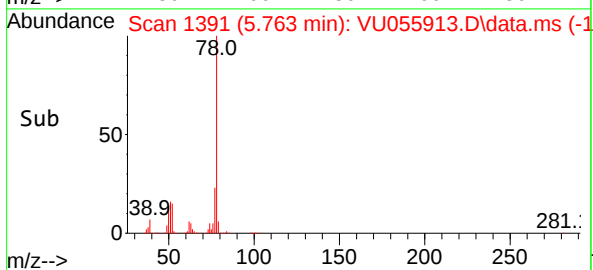
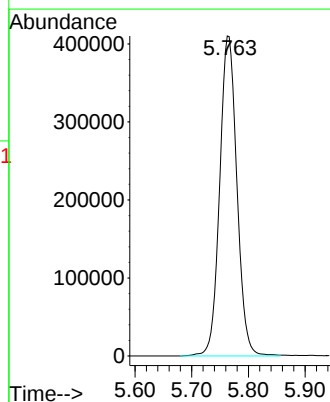
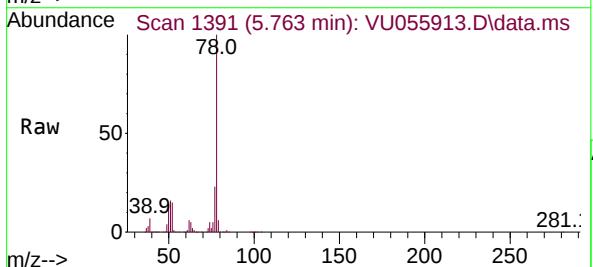
Instrument :
MSVOA_U
ClientSampleId :

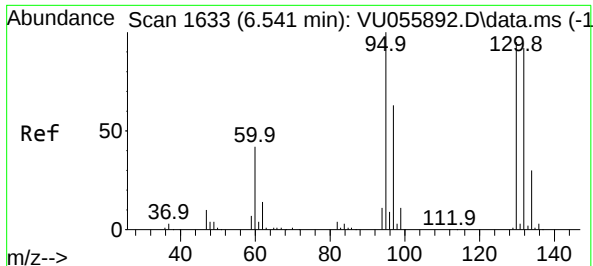
Tgt Ion:117 Resp: 292055
Ion Ratio Lower Upper
117 100
119 95.8 75.4 113.0



#33
Benzene
Concen: 44.889 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

Tgt Ion: 78 Resp: 866063

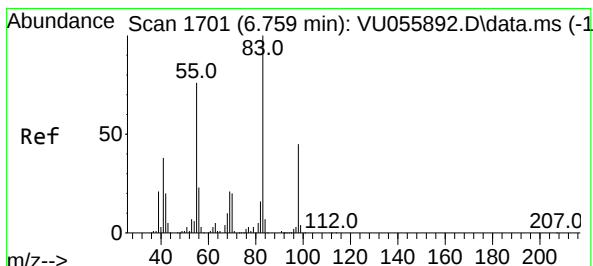
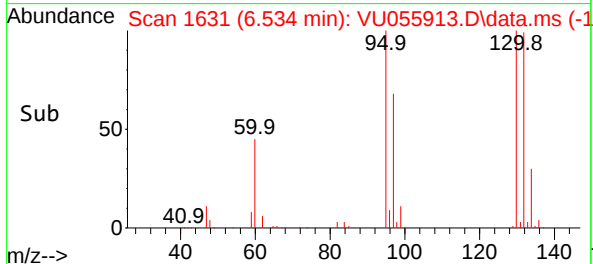
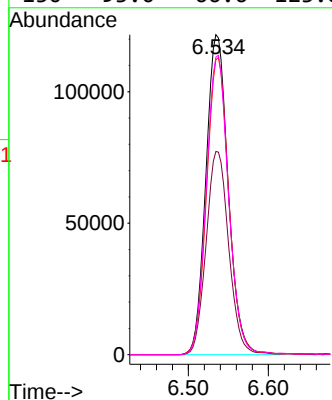
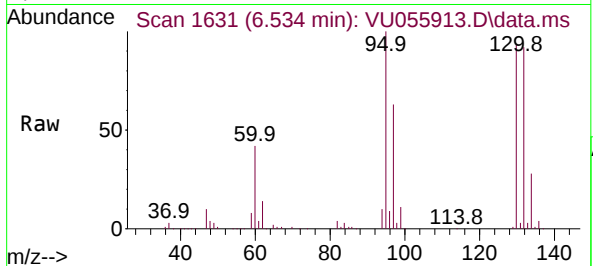




#34
Trichloroethene
Concen: 44.733 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.006 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

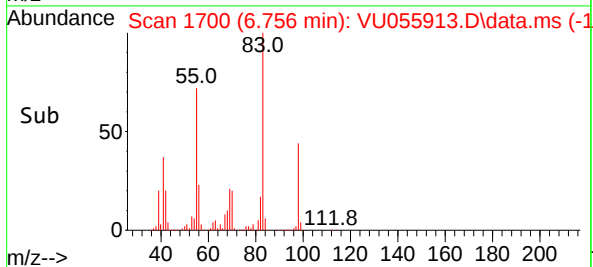
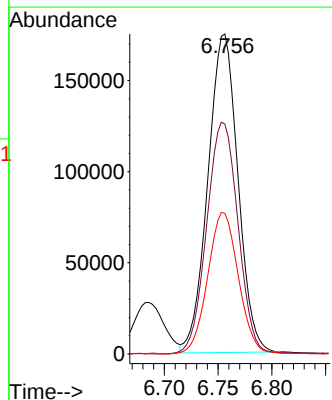
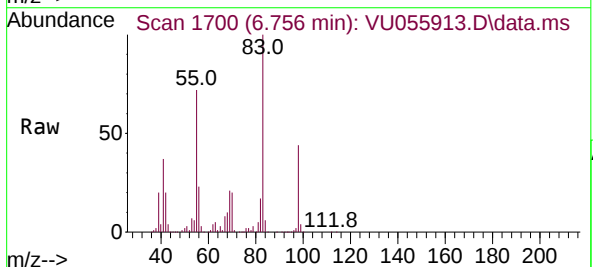
Instrument :
MSVOA_U
ClientSampleId :

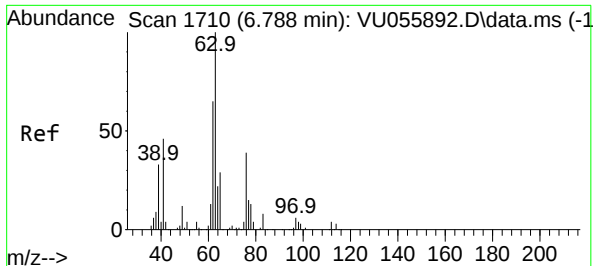
Tgt Ion: 95 Resp: 236145
Ion Ratio Lower Upper
95 100
97 63.5 44.4 82.5
132 92.2 61.8 114.8
130 93.0 66.6 123.8



#35
Methylcyclohexane
Concen: 44.336 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

Tgt Ion: 83 Resp: 339581
Ion Ratio Lower Upper
83 100
55 75.9 61.2 91.8
98 45.4 35.8 53.6





#37

1,2-Dichloropropane

Concen: 44.954 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

Instrument :

MSVOA_U

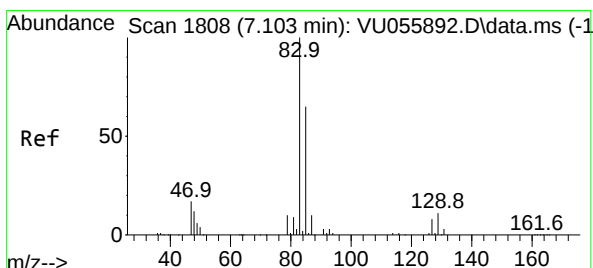
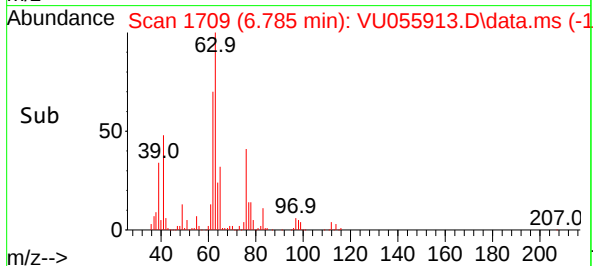
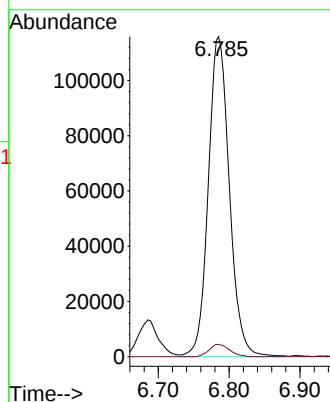
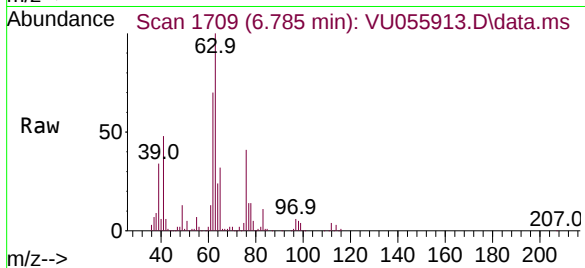
ClientSampleId :

Tgt Ion: 63 Resp: 238827

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



#38

Bromodichloromethane

Concen: 43.591 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

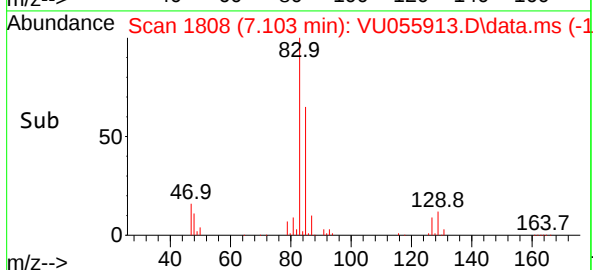
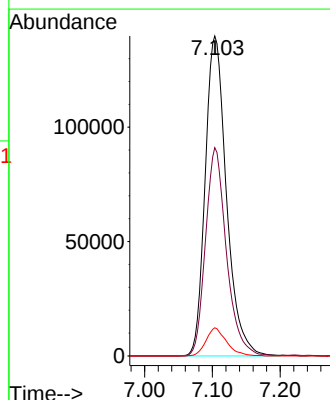
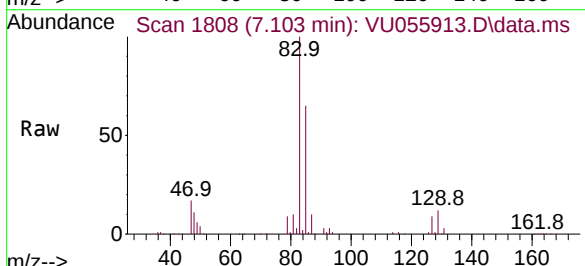
Tgt Ion: 83 Resp: 305400

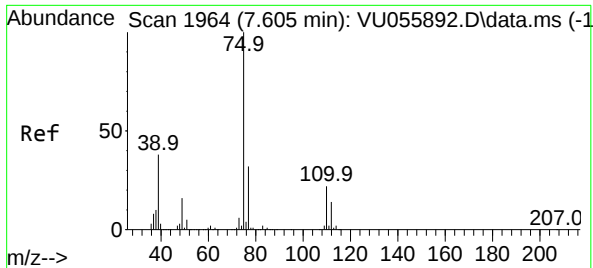
Ion Ratio Lower Upper

83 100

85 65.1 46.0 85.4

127 8.8 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 46.968 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

Instrument :

MSVOA_U

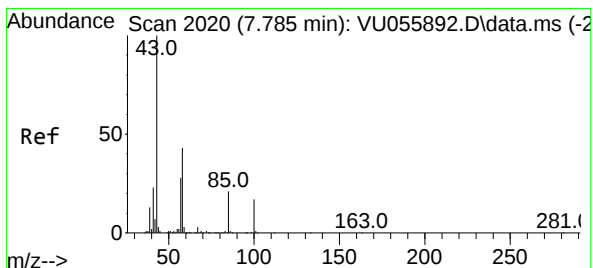
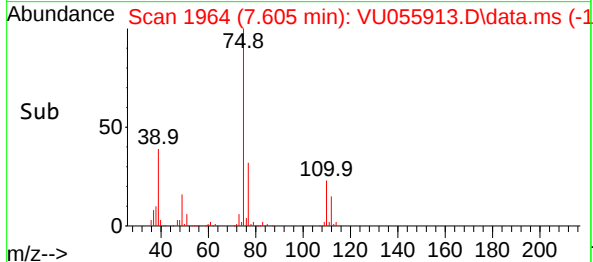
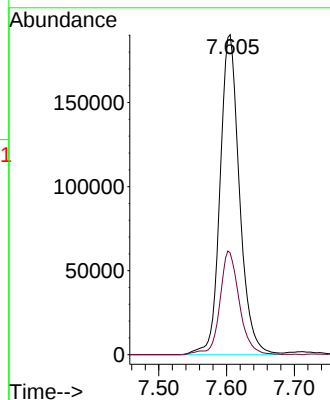
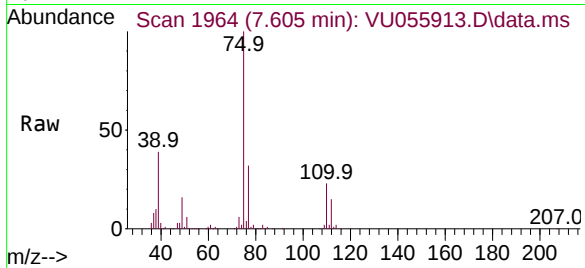
ClientSampleId :

Tgt Ion: 75 Resp: 379621

Ion Ratio Lower Upper

75 100

77 31.8 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 88.335 ug/L

RT: 7.814 min Scan# 2029

Delta R.T. 0.029 min

Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

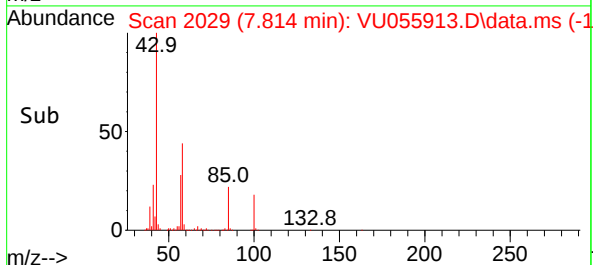
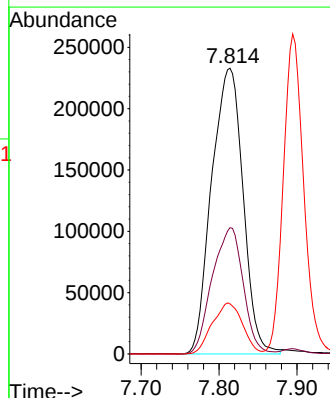
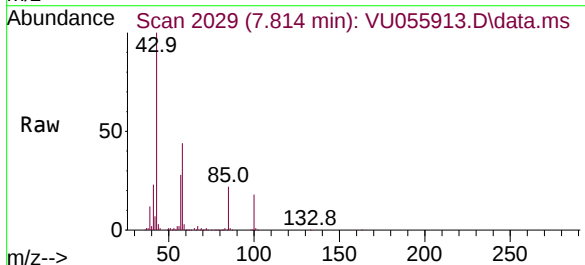
Tgt Ion: 43 Resp: 652879

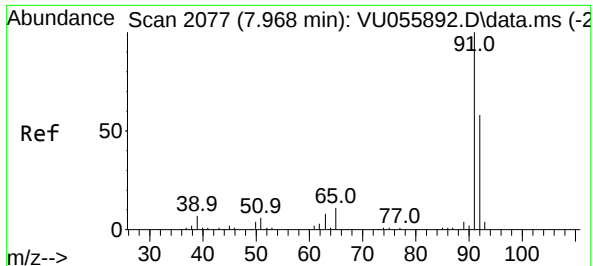
Ion Ratio Lower Upper

43 100

58 43.5 32.3 48.5

100 17.2 12.0 18.0





#42

Toluene

Concen: 47.058 ug/L

RT: 7.965 min Scan# 2077

Delta R.T. -0.003 min

Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

Instrument :

MSVOA_U

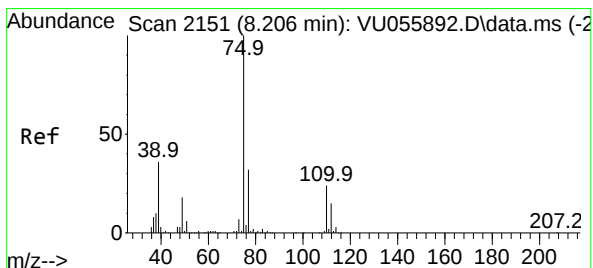
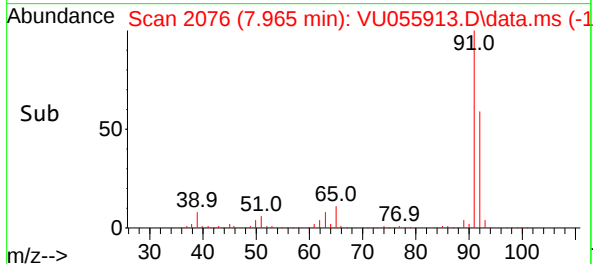
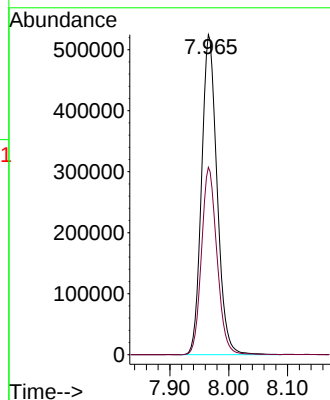
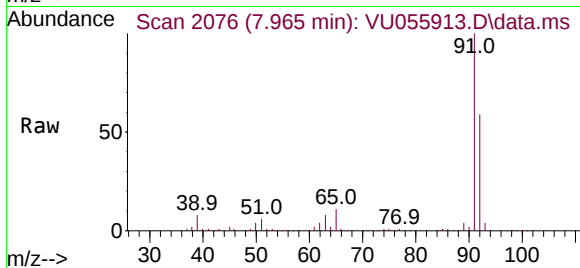
ClientSampleId :

Tgt Ion: 91 Resp: 957999

Ion Ratio Lower Upper

91 100

92 58.5 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 46.598 ug/L

RT: 8.210 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU055913.D

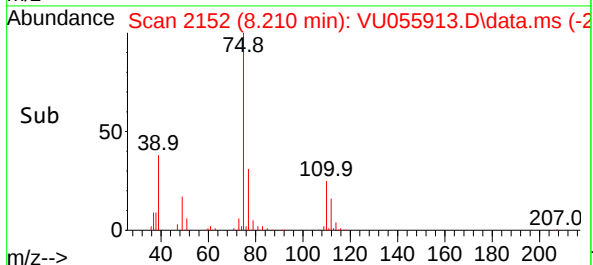
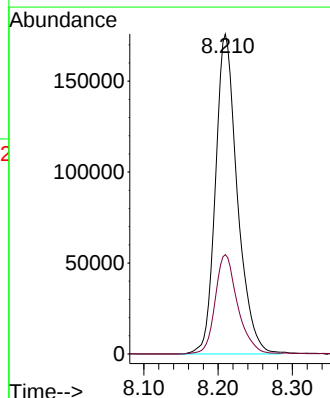
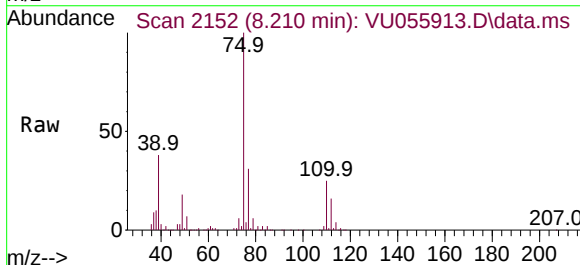
Acq: 26 Oct 2023 18:24

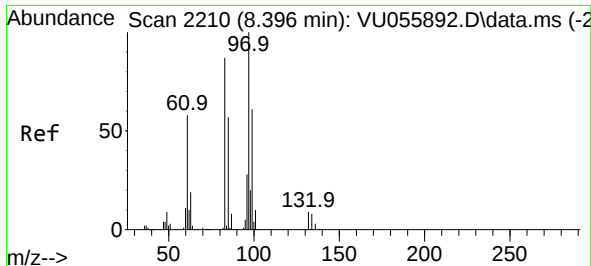
Tgt Ion: 75 Resp: 360363

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.2

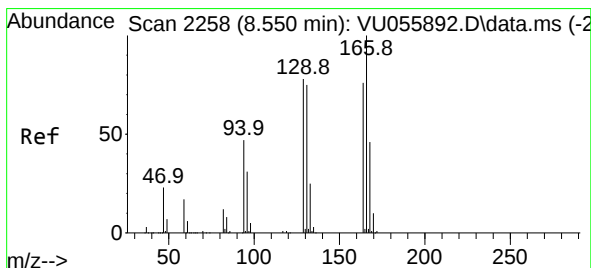
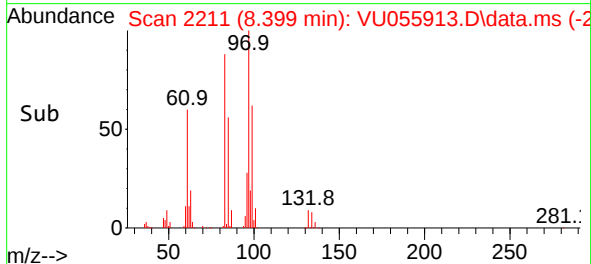
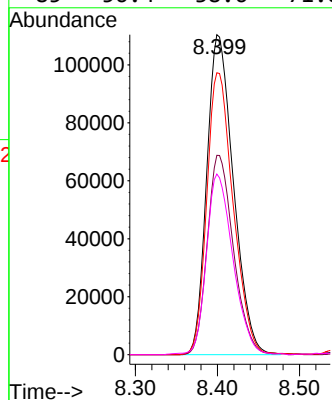
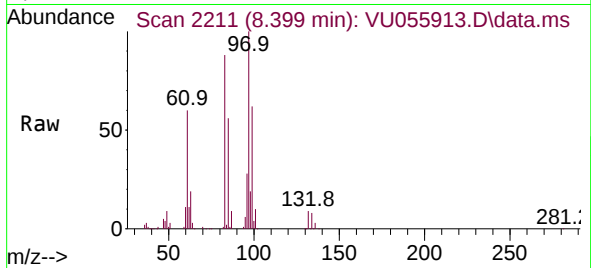




#45
1,1,2-Trichloroethane
Concen: 47.661 ug/L
RT: 8.399 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

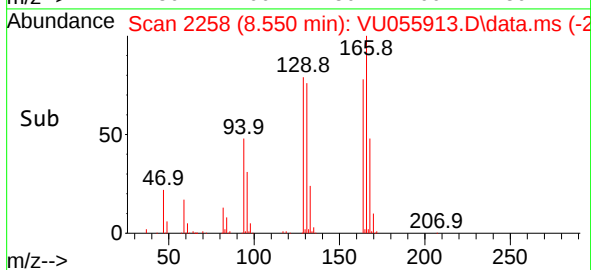
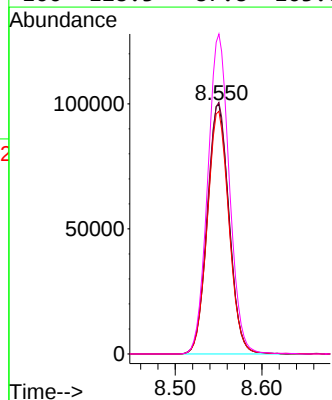
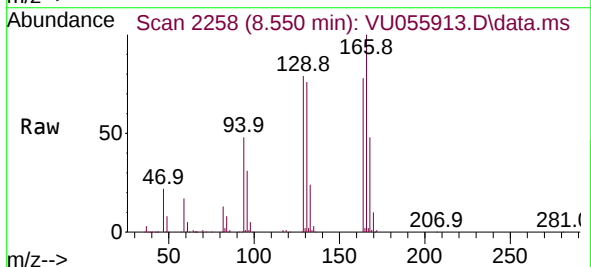
Instrument :
MSVOA_U
ClientSampleId :

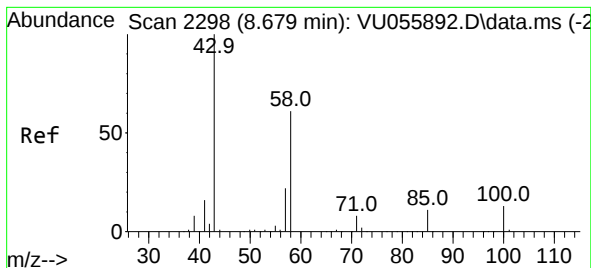
Tgt Ion: 97	Resp: 249676
Ion Ratio	Lower Upper
97 100	
99 62.3	44.4 82.5
83 88.1	60.4 112.2
85 56.4	38.6 71.8



#46
Tetrachloroethene
Concen: 46.021 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

Tgt	Ion:164	Resp:	173943
Ion	Ratio	Lower	Upper
164	100		
129	100.9	70.7	131.3
131	97.3	65.9	122.5
166	128.3	87.8	163.0





#48

2-Hexanone

Concen: 83.606 ug/L

RT: 8.698 min Scan# 21

Delta R.T. 0.019 min

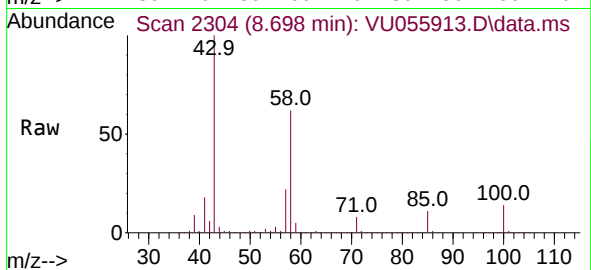
Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 521939

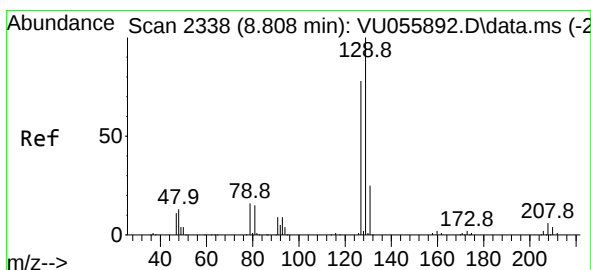
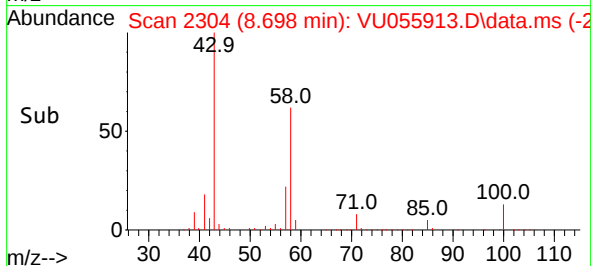
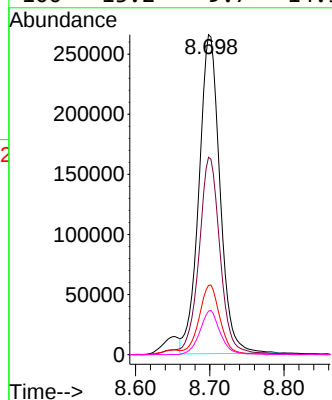
Ion Ratio Lower Upper

43 100

58 63.2 45.2 67.8

57 21.6 16.1 24.1

100 13.2 9.7 14.5



#49

Dibromochloromethane

Concen: 46.418 ug/L

RT: 8.811 min Scan# 2339

Delta R.T. 0.003 min

Lab File: VU055913.D

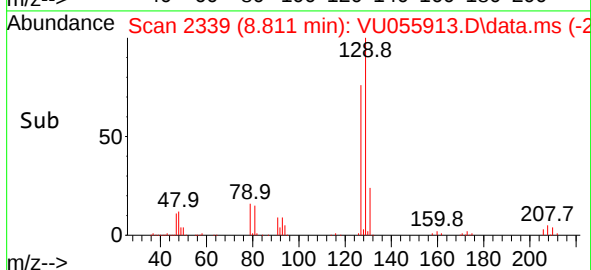
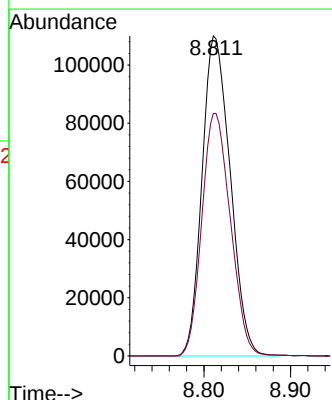
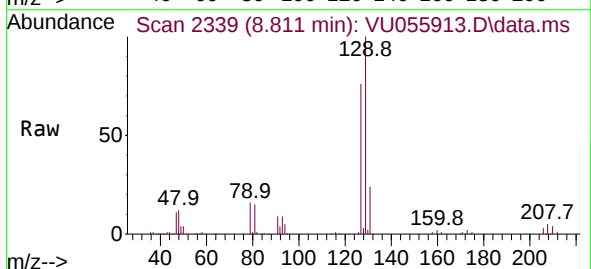
Acq: 26 Oct 2023 18:24

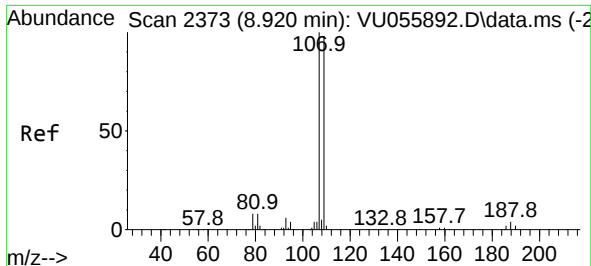
Tgt Ion: 129 Resp: 248461

Ion Ratio Lower Upper

129 100

127 75.8 54.0 100.4





#50

1,2-Dibromoethane

Concen: 45.957 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

Instrument :

MSVOA_U

ClientSampleId :

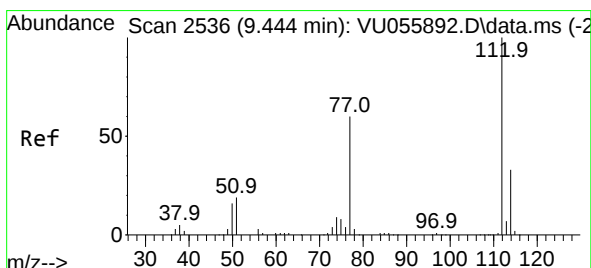
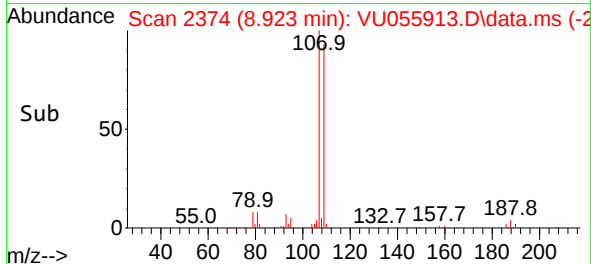
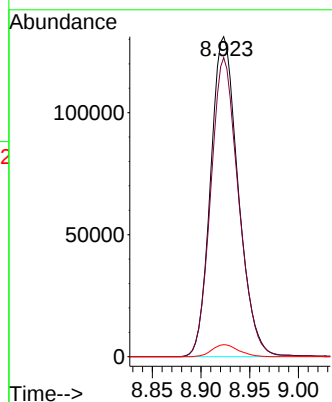
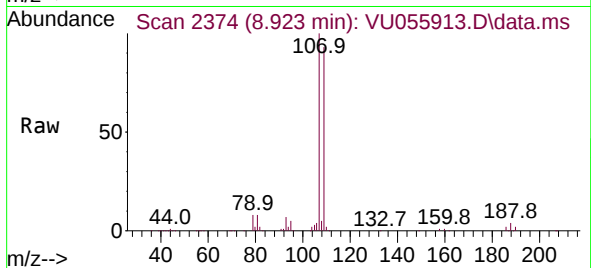
Tgt Ion:107 Resp: 258587

Ion Ratio Lower Upper

107 100

109 93.4 66.7 123.9

188 3.8 2.6 4.0



#51

Chlorobenzene

Concen: 48.949 ug/L

RT: 9.451 min Scan# 2538

Delta R.T. 0.007 min

Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

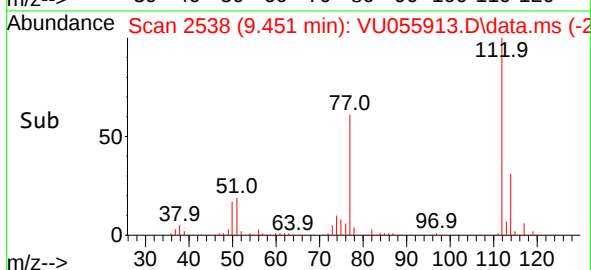
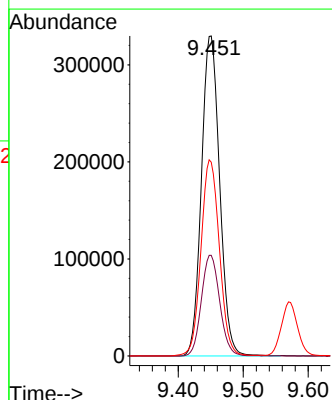
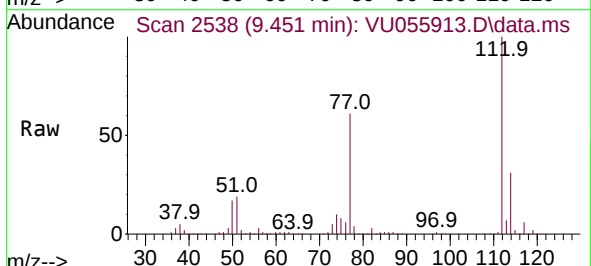
Tgt Ion:112 Resp: 644744

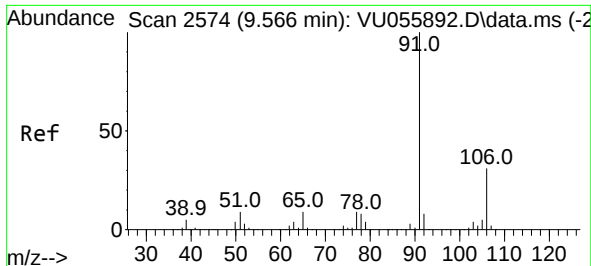
Ion Ratio Lower Upper

112 100

114 31.5 22.0 40.8

77 60.6 49.0 73.6

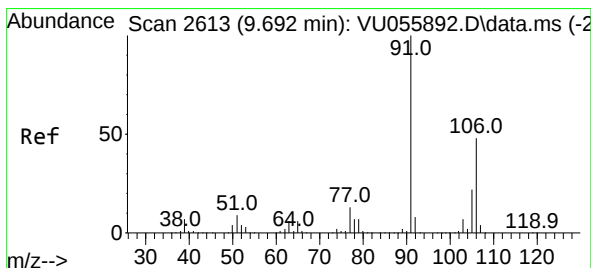
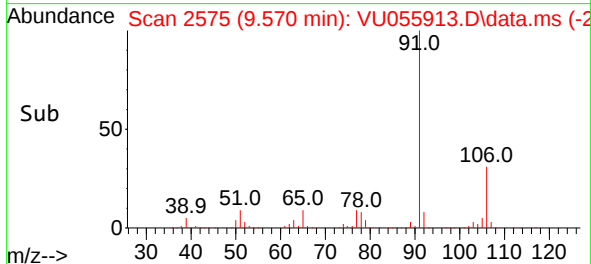
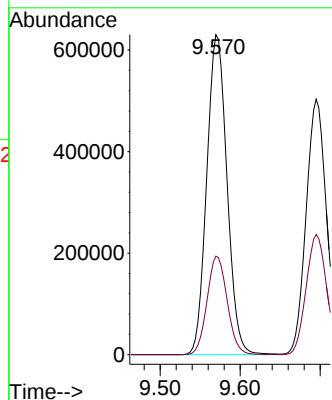
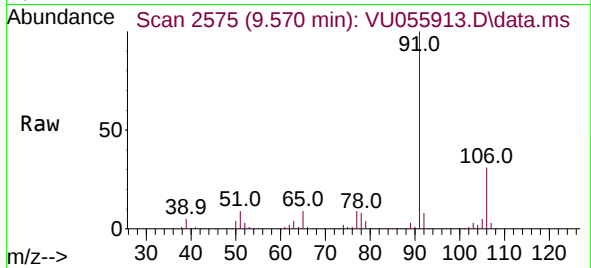




#52
Ethylbenzene
Concen: 49.943 ug/L
RT: 9.570 min Scan# 2111579
Delta R.T. 0.003 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

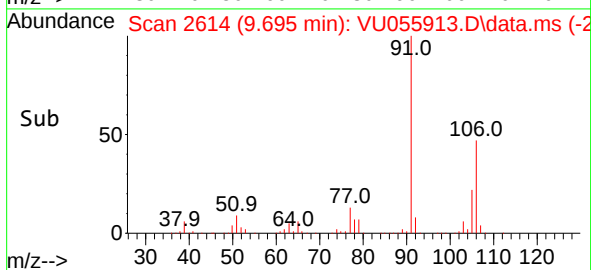
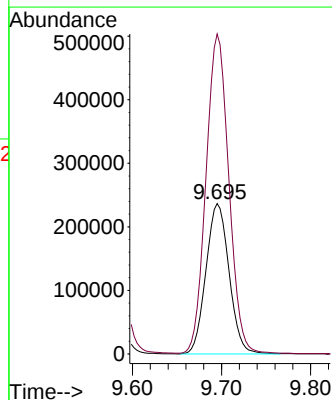
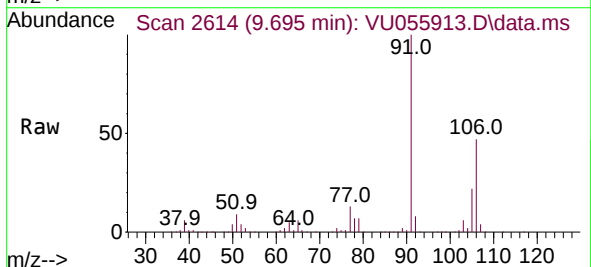
Instrument :
MSVOA_U
ClientSampleId :

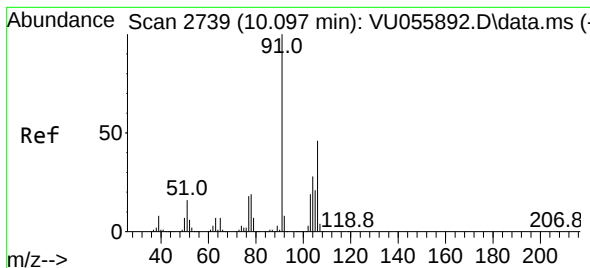
Tgt Ion: 91 Resp: 1111579
Ion Ratio Lower Upper
91 100
106 30.8 21.2 39.4



#53
m,p-Xylene
Concen: 51.143 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.003 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

Tgt Ion:106 Resp: 426450
Ion Ratio Lower Upper
106 100
91 212.8 143.8 267.0





#54

o-Xylene

Concen: 52.028 ug/L

RT: 10.100 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

Instrument :

MSVOA_U

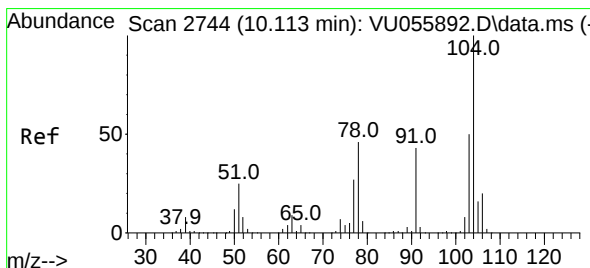
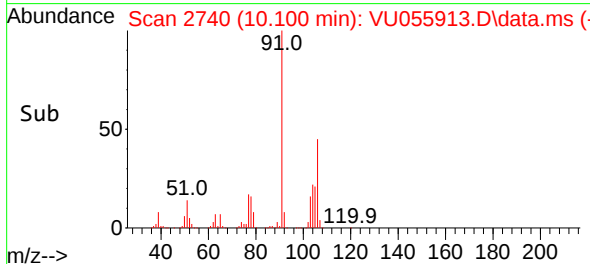
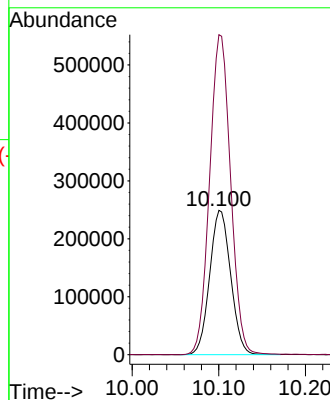
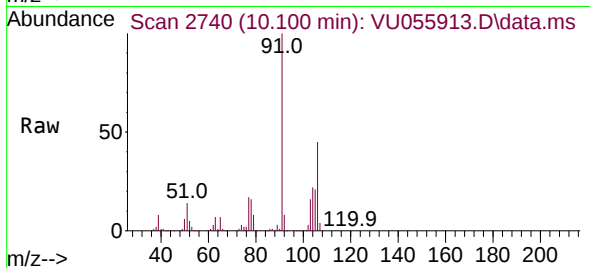
ClientSampleId :

Tgt Ion:106 Resp: 419808

Ion Ratio Lower Upper

106 100

91 221.7 151.8 282.0



#55

Styrene

Concen: 53.705 ug/L

RT: 10.119 min Scan# 2746

Delta R.T. 0.007 min

Lab File: VU055913.D

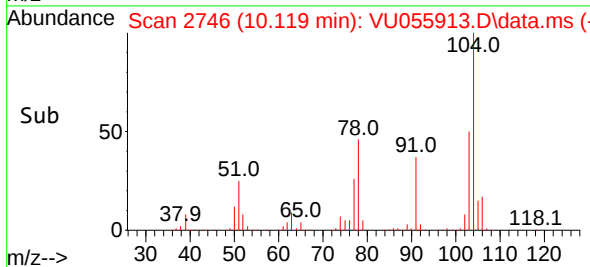
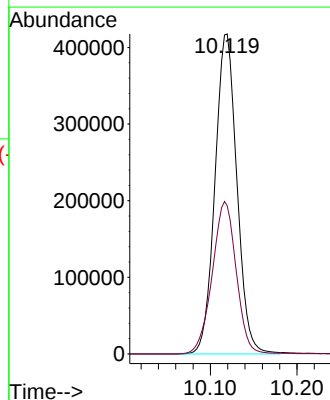
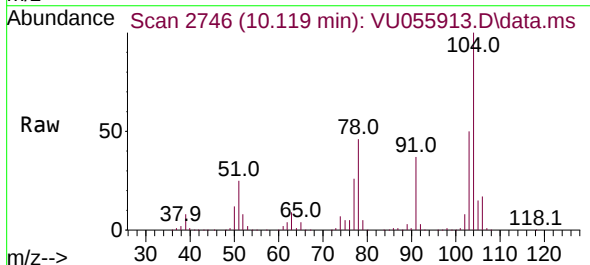
Acq: 26 Oct 2023 18:24

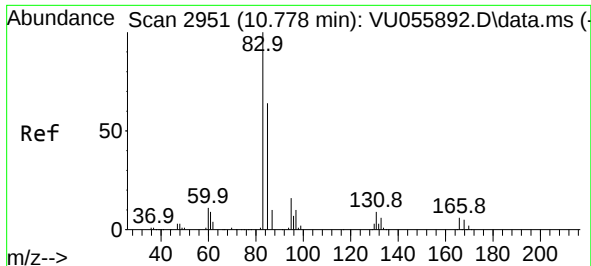
Tgt Ion:104 Resp: 734104

Ion Ratio Lower Upper

104 100

78 46.3 33.6 62.4

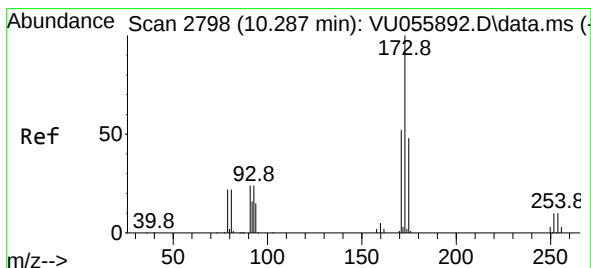
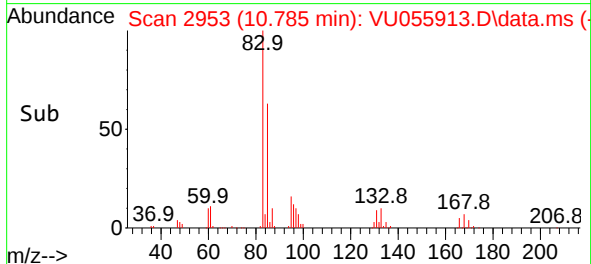
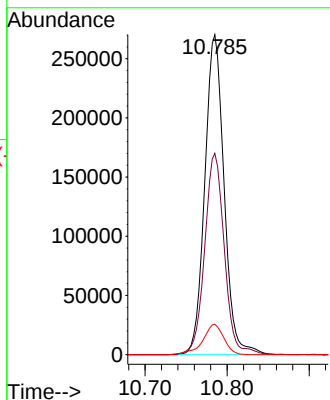
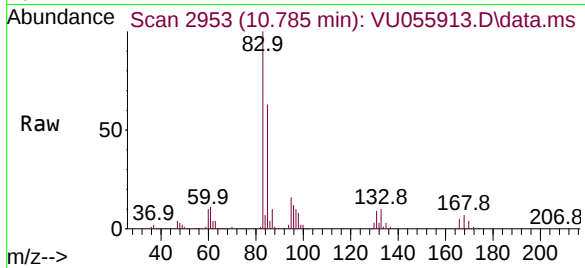




#57
1,1,2,2-Tetrachloroethane
Concen: 49.316 ug/L
RT: 10.785 min Scan# 2953
Delta R.T. 0.007 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

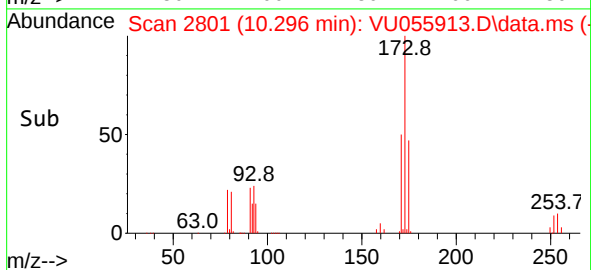
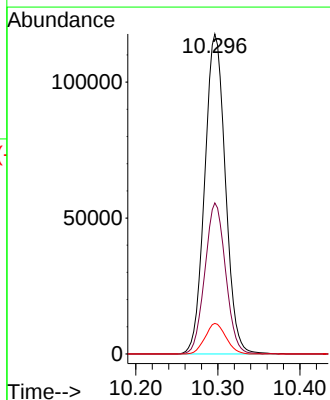
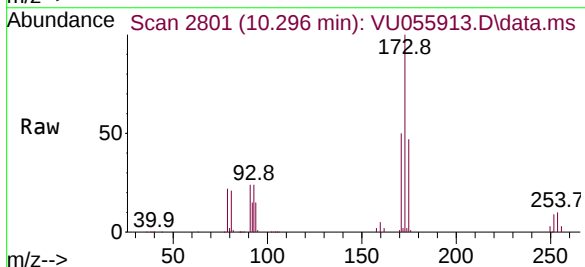
Instrument :
MSVOA_U
ClientSampleId :

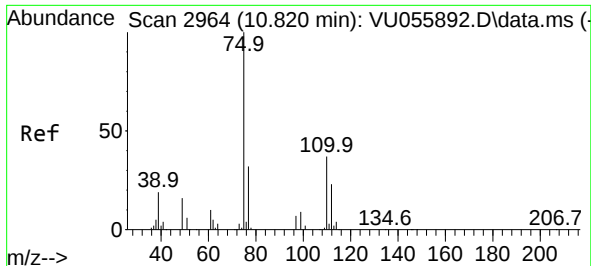
Tgt Ion: 83 Resp: 442363
Ion Ratio Lower Upper
83 100
85 62.9 44.9 83.5
131 9.5 7.3 10.9



#59
Bromoform
Concen: 50.339 ug/L
RT: 10.296 min Scan# 2801
Delta R.T. 0.010 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

Tgt Ion:173 Resp: 205694
Ion Ratio Lower Upper
173 100
175 47.4 40.4 60.6
254 9.6 7.3 10.9

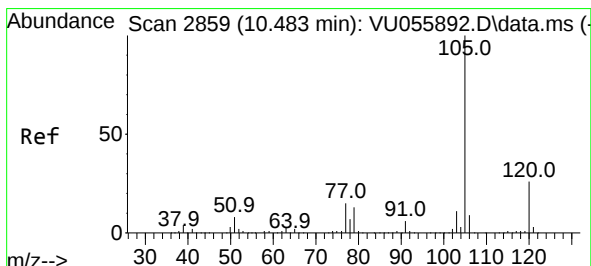
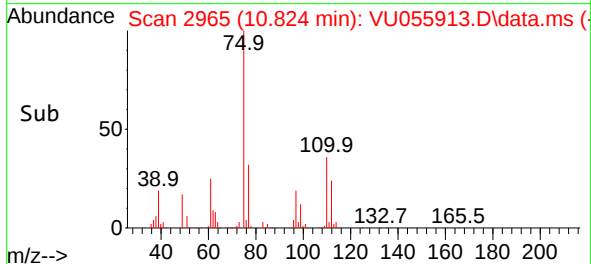
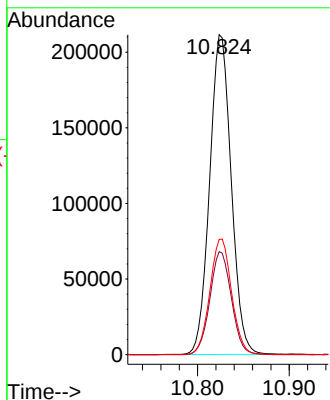
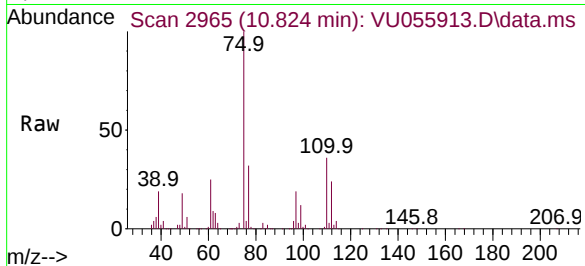




#60
1,2,3-Trichloropropane
Concen: 48.010 ug/L
RT: 10.824 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

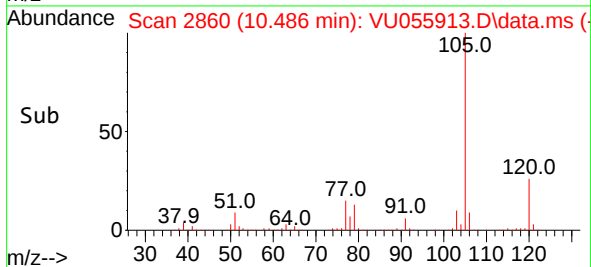
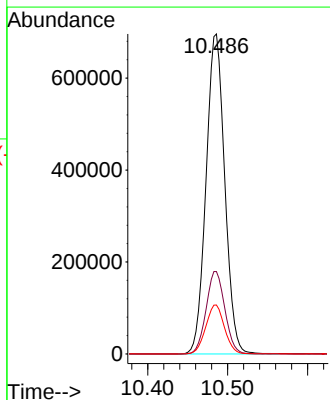
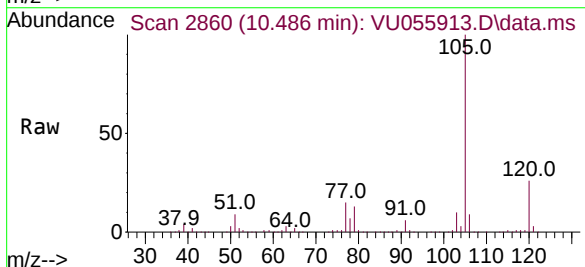
Instrument :
MSVOA_U
ClientSampleId :

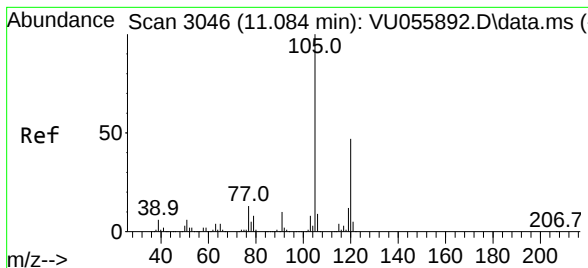
Tgt Ion: 75 Resp: 345858
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.8
110 36.4 28.5 42.7



#61
Isopropylbenzene
Concen: 54.724 ug/L
RT: 10.486 min Scan# 2860
Delta R.T. 0.003 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

Tgt Ion: 105 Resp: 1132404
Ion Ratio Lower Upper
105 100
120 25.8 20.6 30.8
77 15.4 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 58.120 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

Instrument :

MSVOA_U

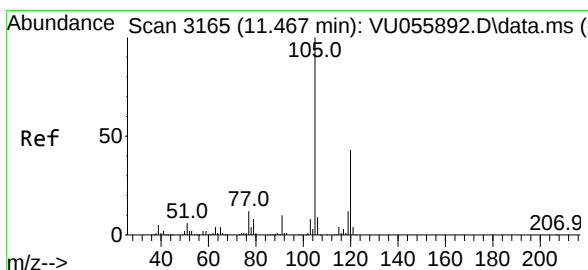
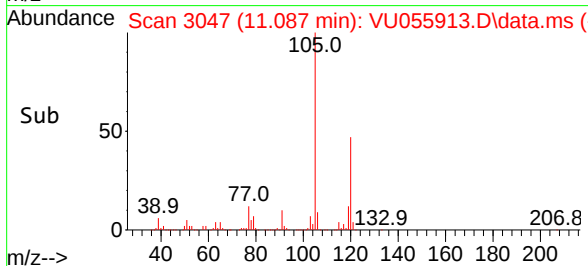
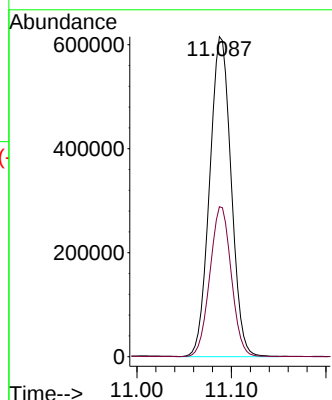
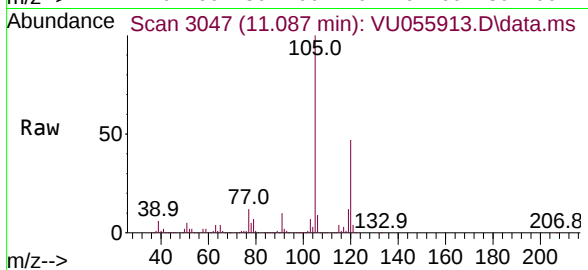
ClientSampleId :

Tgt Ion:105 Resp: 973164

Ion Ratio Lower Upper

105 100

120 46.6 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 58.570 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU055913.D

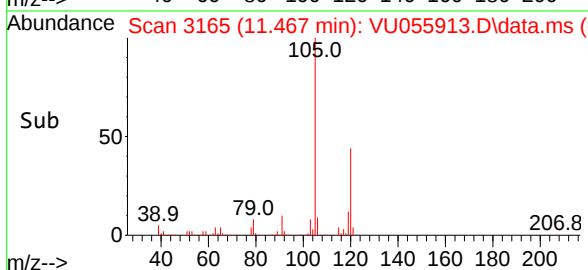
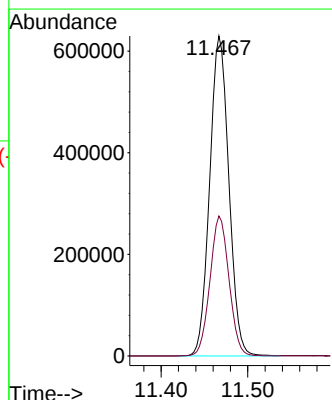
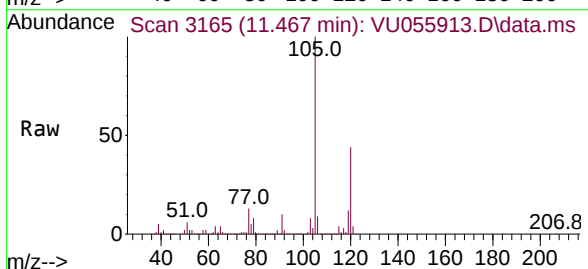
Acq: 26 Oct 2023 18:24

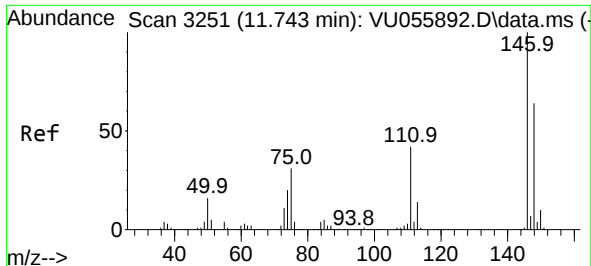
Tgt Ion:105 Resp: 969735

Ion Ratio Lower Upper

105 100

120 43.3 35.0 52.4

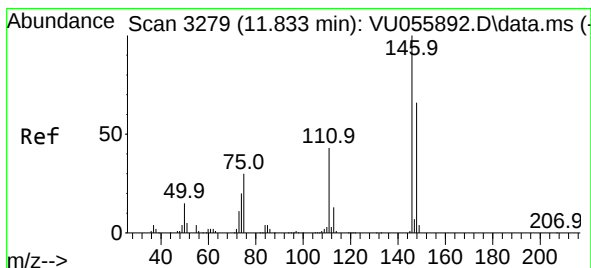
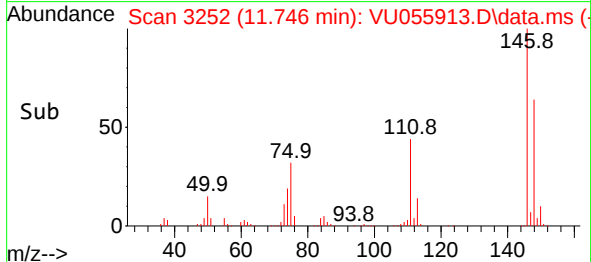
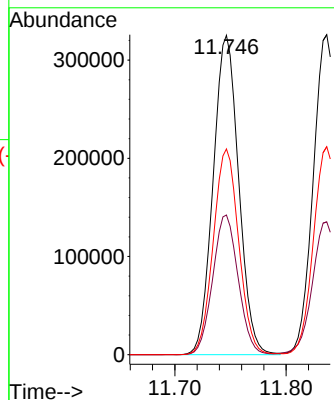
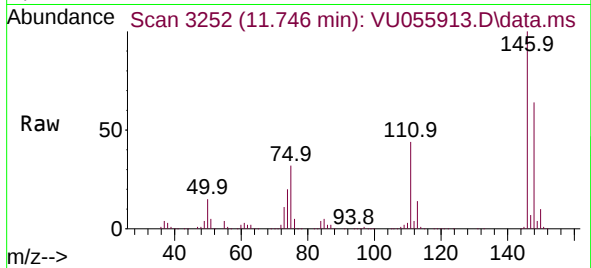




#64
1,3-Dichlorobenzene
Concen: 50.654 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

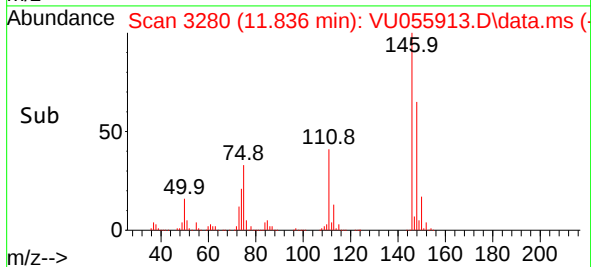
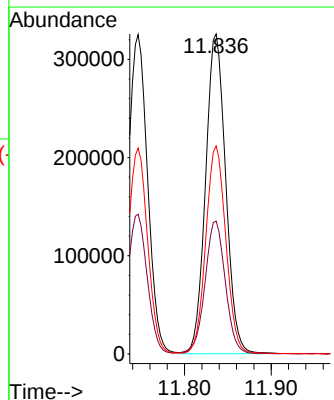
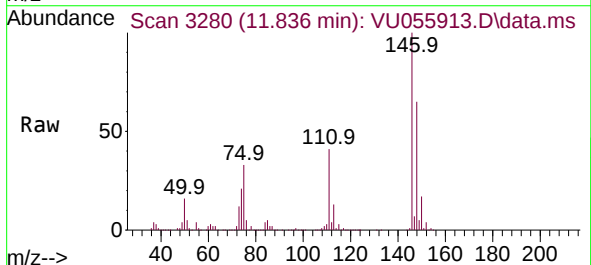
Instrument :
MSVOA_U
ClientSampleId :

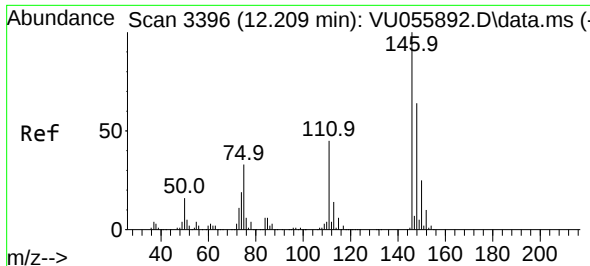
Tgt Ion:146 Resp: 518165
Ion Ratio Lower Upper
146 100
111 43.7 29.7 55.1
148 64.4 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 49.968 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.003 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

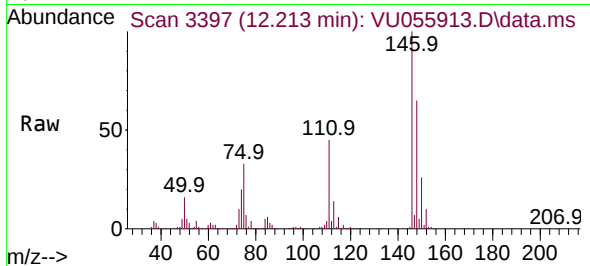
Tgt Ion:146 Resp: 525527
Ion Ratio Lower Upper
146 100
111 41.5 28.6 53.0
148 65.0 44.2 82.0



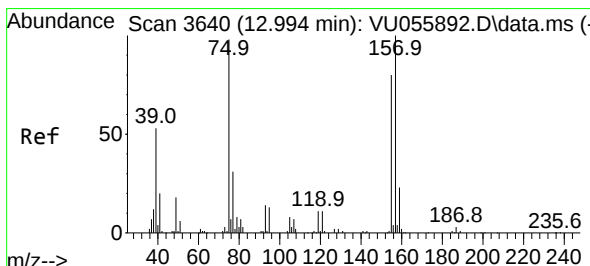
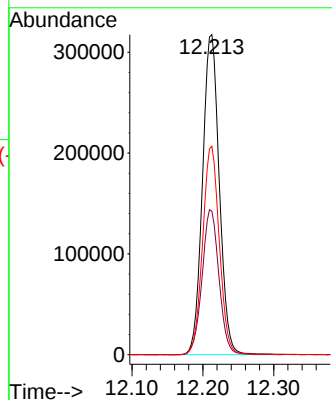
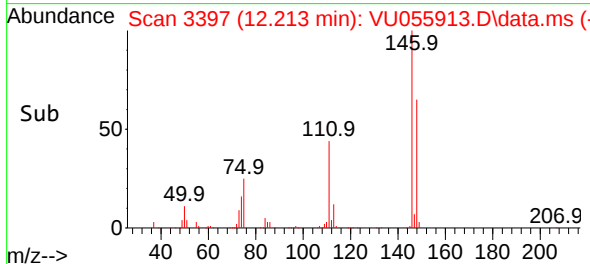


#67
 1,2-Dichlorobenzene
 Concen: 51.434 ug/L
 RT: 12.213 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU055913.D
 Acq: 26 Oct 2023 18:24

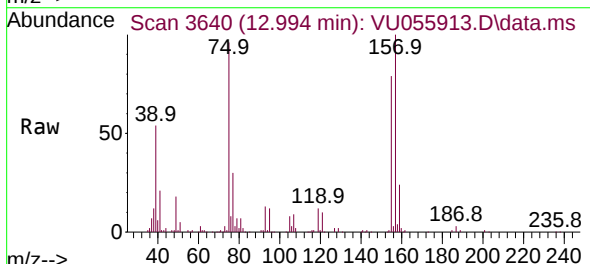
Instrument :
 MSVOA_U
 ClientSampleId :



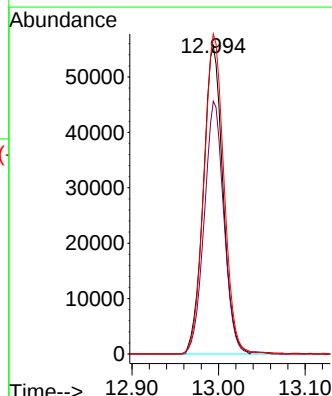
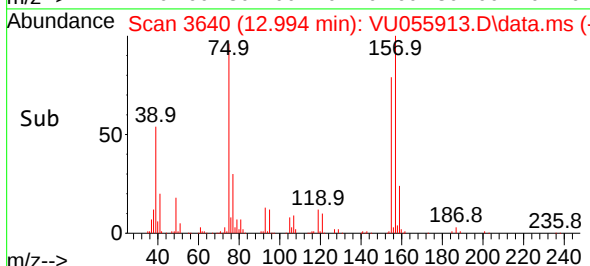
Tgt Ion:146 Resp: 522126
 Ion Ratio Lower Upper
 146 100
 111 44.8 35.2 52.8
 148 65.1 52.3 78.5

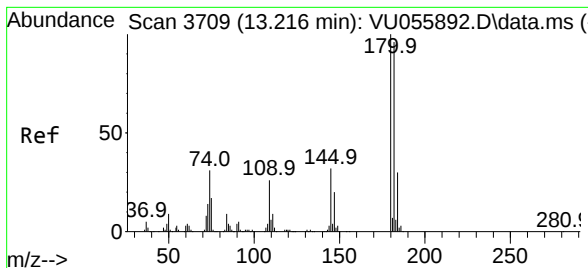


#68
 1,2-Dibromo-3-chloropropane
 Concen: 40.886 ug/L
 RT: 12.994 min Scan# 3640
 Delta R.T. 0.000 min
 Lab File: VU055913.D
 Acq: 26 Oct 2023 18:24



Tgt Ion: 75 Resp: 88058
 Ion Ratio Lower Upper
 75 100
 155 82.2 59.6 89.4
 157 104.0 77.7 116.5





#69

1,3,5-Trichlorobenzene

Concen: 53.808 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

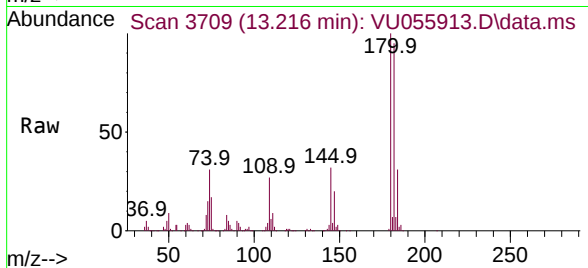
Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 367150

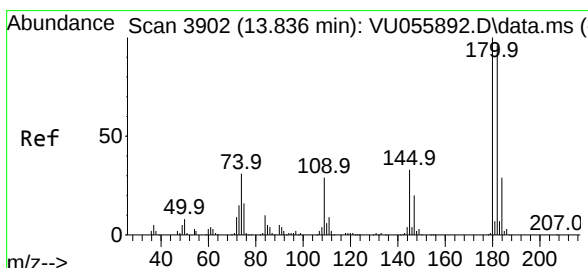
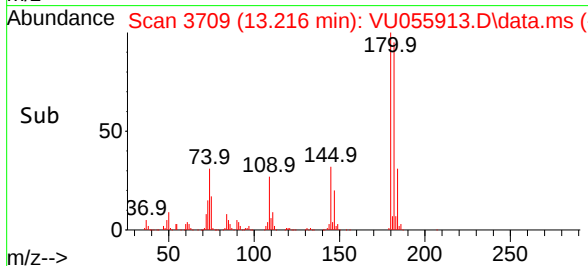
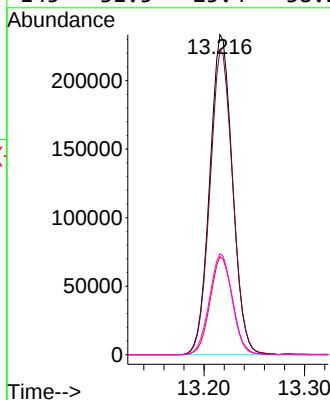
Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.2

184 30.3 23.9 35.9

145 31.5 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 56.546 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU055913.D

Acq: 26 Oct 2023 18:24

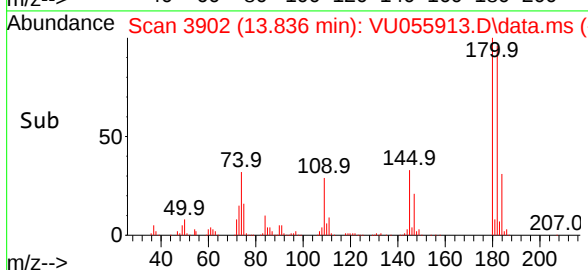
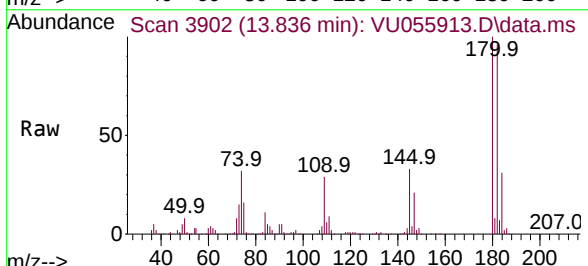
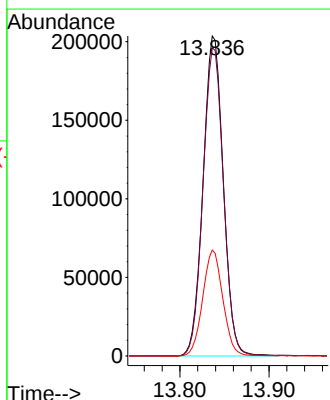
Tgt Ion:180 Resp: 321374

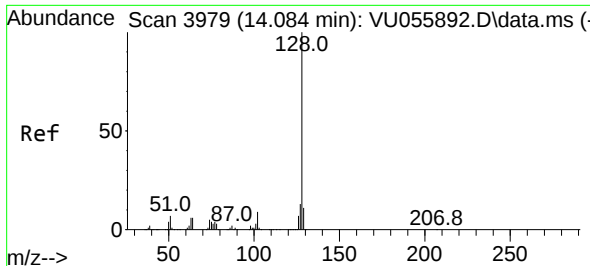
Ion Ratio Lower Upper

180 100

182 96.9 75.4 113.2

145 32.9 26.1 39.1

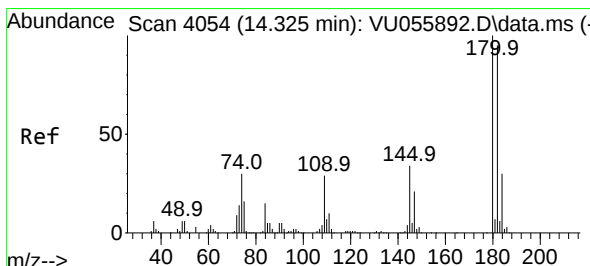
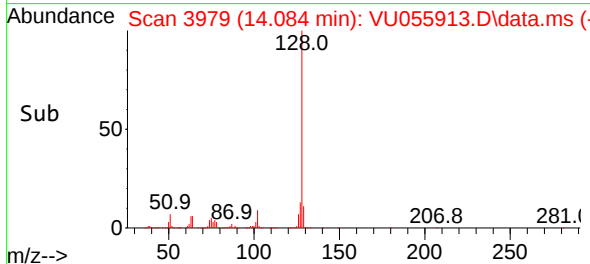
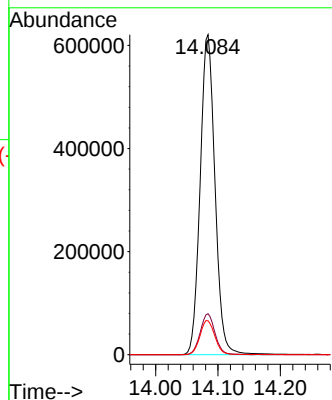
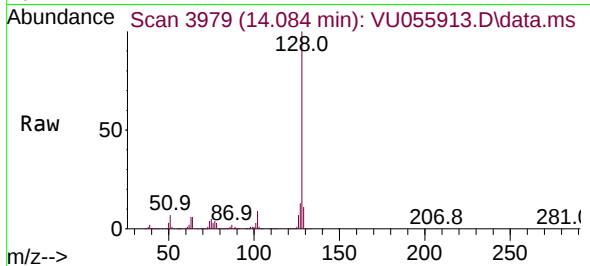




#71
Naphthalene
Concen: 60.808 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 1026625
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 10.7 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 57.588 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU055913.D
Acq: 26 Oct 2023 18:24

Tgt Ion:180 Resp: 322696
Ion Ratio Lower Upper
180 100
182 94.8 78.1 117.1
145 34.5 27.4 41.0

