

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102723\
 Data File : VU055933.D
 Acq On : 27 Oct 2023 19:08
 Operator : MD/SY
 Sample : 05009-08MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 27 23:57:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 25 05:19:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	425747	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	410956	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	208714	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	99030	2.940	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.800%
7) Chloroethane-d5	1.914	69	89051	3.392	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	67.800%
11) 1,1-Dichloroethene-d2	2.567	65	45471	3.180	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.600%
20) 2-Butanone-d5	4.624	46	268878	44.752	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.500%
24) Chloroform-d	5.058	84	248096	3.975	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.600%
26) 1,2-Dichloroethane-d4	5.698	65	114922	3.780	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.600%
32) Benzene-d6	5.724	84	475583	3.885	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.800%
36) 1,2-Dichloropropane-d6	6.689	67	149966	4.133	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.600%
41) Toluene-d8	7.894	98	428669	3.860	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.200%
43) trans-1,3-Dichloroprop...	8.177	79	50704	3.572	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.400%
46) 2-Hexanone-d5	8.631	63	224958	62.438	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.880%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	116317	4.401	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	160973	4.134	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	184556	7.606	ug/L	99
3) Chloromethane	1.518	50	185329	7.999	ug/L	97
5) Vinyl chloride	1.605	62	171717	6.729	ug/L	98
6) Bromomethane	1.856	94	96770	6.122	ug/L	98
8) Chloroethane	1.933	64	99617	6.662	ug/L	99
9) Trichlorofluoromethane	2.139	101	230485	6.548	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	140280	6.067	ug/L	98
12) 1,1-Dichloroethene	2.579	96	134317	6.509	ug/L #	74
13) Acetone	2.631	43	166243	48.555	ug/L	99
14) Carbon disulfide	2.792	76	432015	8.177	ug/L	99
15) Methyl Acetate	2.952	43	28695	4.114	ug/L	97
16) Methylene chloride	3.046	84	147224	6.297	ug/L	99
17) Methyl tert-butyl Ether	3.361	73	312443	6.239	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	141600	6.921	ug/L	98
19) 1,1-Dichloroethane	3.866	63	265301	6.386	ug/L	97
21) 2-Butanone	4.705	43	267520	53.153	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	158833	6.412	ug/L	94
23) Bromochloromethane	4.972	128	66551	6.594	ug/L	97
25) Chloroform	5.084	83	278283	6.248	ug/L	99

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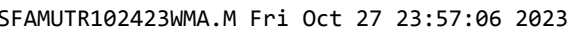
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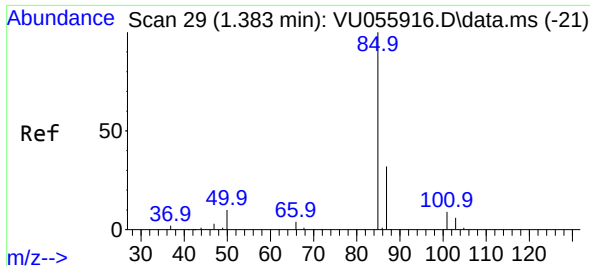
Quant Time: Oct 27 23:57:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 25 05:19:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	157909	6.034	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	240834	6.430	ug/L	99
30) Cyclohexane	5.386	56	227327	7.193	ug/L	100
31) Carbon tetrachloride	5.521	117	208868	6.537	ug/L	97
33) Benzene	5.772	78	610581	6.733	ug/L	100
34) Trichloroethene	6.541	95	161752	6.376	ug/L	98
35) Methylcyclohexane	6.759	83	235936	6.891	ug/L	98
37) 1,2-Dichloropropane	6.788	63	153524	6.376	ug/L	100
38) Bromodichloromethane	7.100	83	189684	6.275	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	204036	5.948	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	691174	59.543	ug/L	97
42) Toluene	7.965	91	650599	6.864	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	164422	5.937	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	105124	6.209	ug/L	98
47) Tetrachloroethene	8.550	164	120635	6.790	ug/L	96
48) 2-Hexanone	8.679	43	493597	54.081	ug/L	99
49) Dibromochloromethane	8.804	129	120860	6.503	ug/L	99
50) 1,2-Dibromoethane	8.920	107	95634	6.225	ug/L #	97
51) Chlorobenzene	9.444	112	403683	6.499	ug/L	98
52) Ethylbenzene	9.566	91	703565	6.548	ug/L	100
53) m,p-Xylene	9.692	106	272272	6.781	ug/L	96
54) o-Xylene	10.097	106	259760	6.611	ug/L	100
55) Styrene	10.110	104	413459	6.565	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	122240	6.237	ug/L	98
59) Bromoform	10.286	173	66656	6.278	ug/L	96
60) Isopropylbenzene	10.479	105	700852	6.739	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	85693	5.980	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	570448	6.712	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	571039	7.232	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	316141	6.412	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	310922	6.319	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	291257	6.434	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	18800	7.353	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	227837	6.763	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	183370	7.364	ug/L	100
71) Naphthalene	14.084	128	281941	7.819	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	160897	7.494	ug/L	99

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

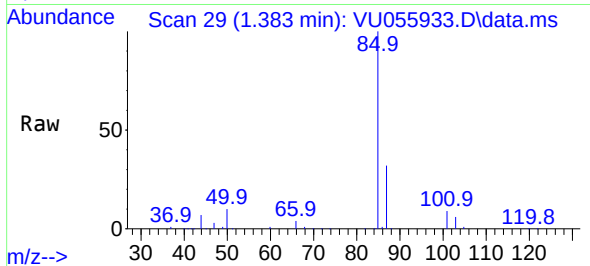
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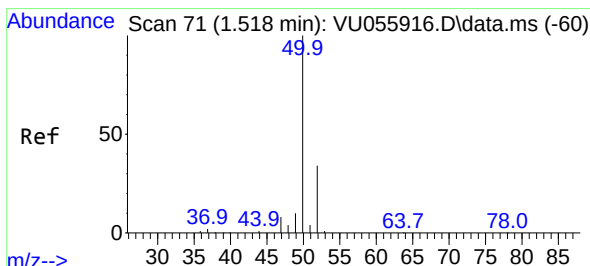
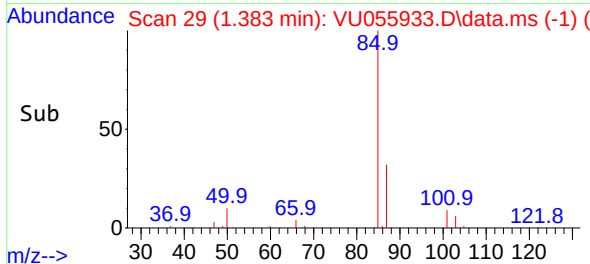
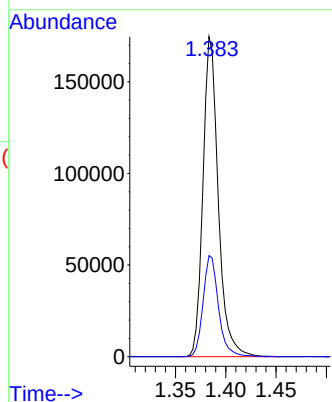


#2
 Dichlorodifluoromethane
 Concen: 7.606 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055933.D
 Acq: 27 Oct 2023 19:08

Instrument :
 MSVOA_U
 ClientSampleId :

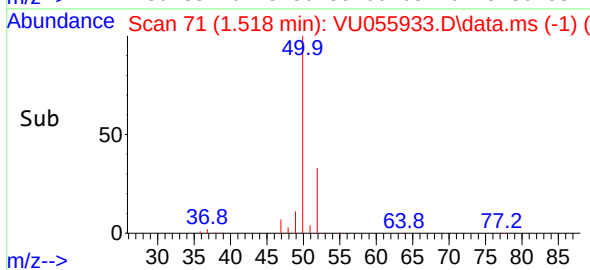
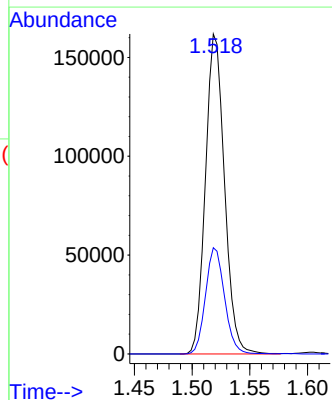
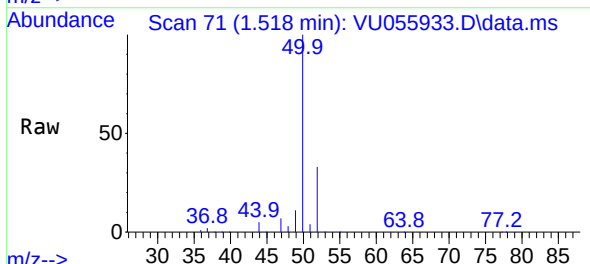


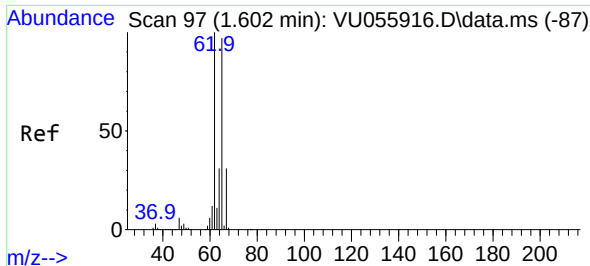
Tgt Ion: 85 Resp: 184556
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.0 37.4



#3
 Chloromethane
 Concen: 7.999 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU055933.D
 Acq: 27 Oct 2023 19:08

Tgt Ion: 50 Resp: 185329
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.0 40.8

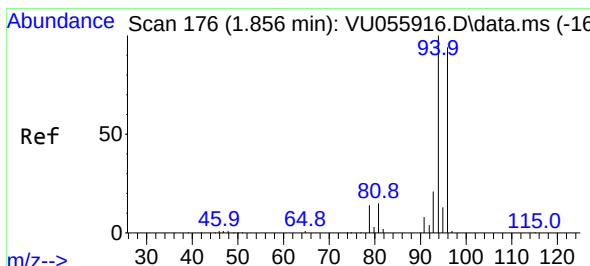
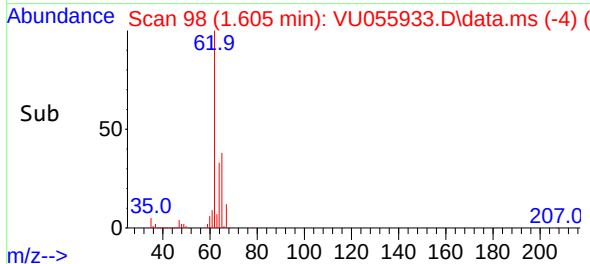
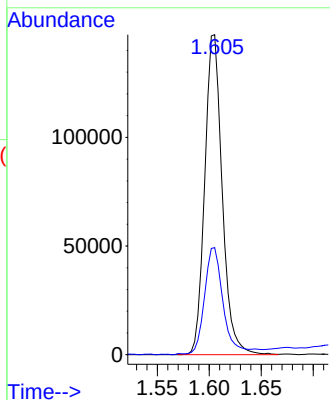
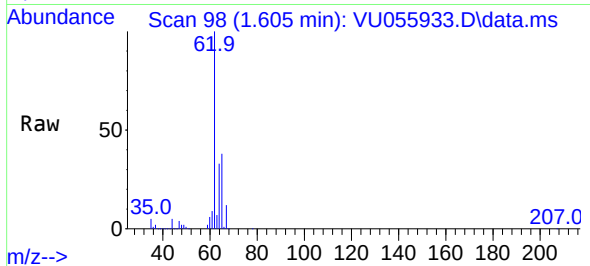




#5
 Vinyl chloride
 Concen: 6.729 ug/L
 RT: 1.605 min Scan# 97
 Delta R.T. 0.003 min
 Lab File: VU055933.D
 Acq: 27 Oct 2023 19:08

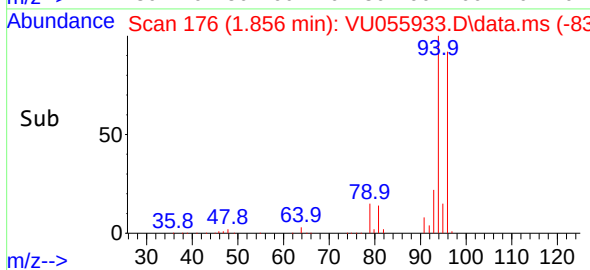
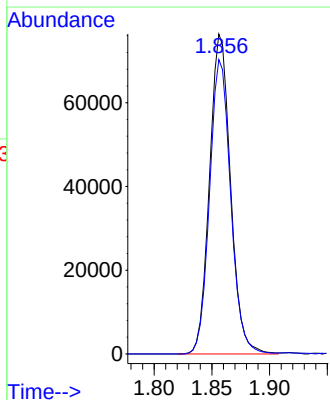
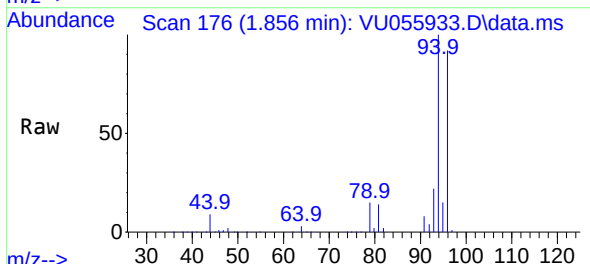
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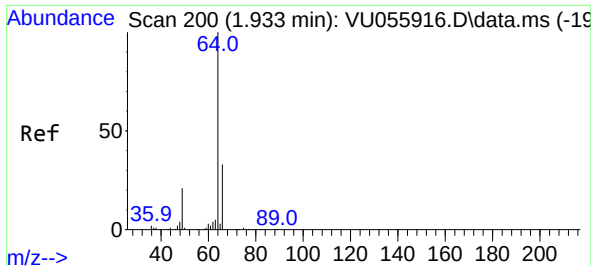
Tgt Ion: 62 Resp: 171717
 Ion Ratio Lower Upper
 62 100
 64 33.5 24.2 45.0



#6
 Bromomethane
 Concen: 6.122 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU055933.D
 Acq: 27 Oct 2023 19:08

Tgt Ion: 94 Resp: 96770
 Ion Ratio Lower Upper
 94 100
 96 92.0 65.9 122.5

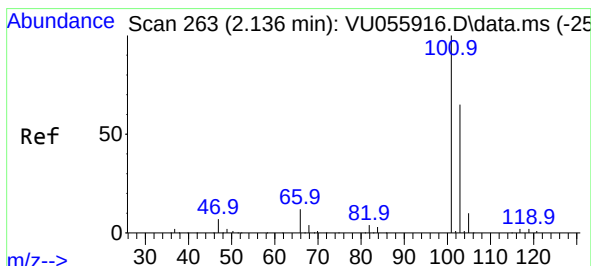
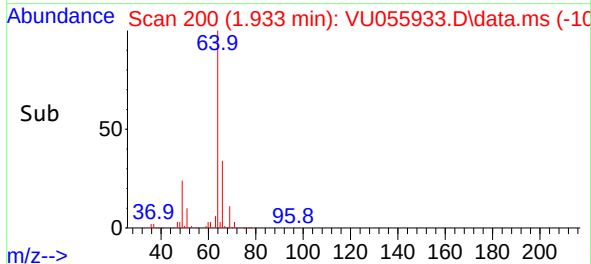
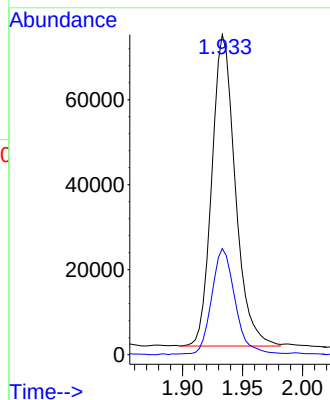
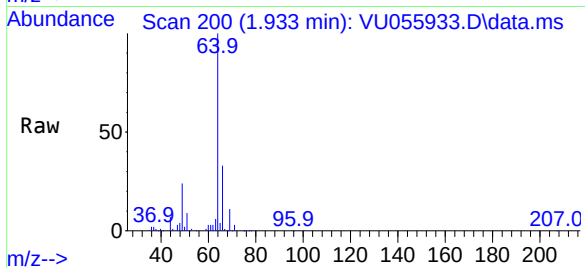




#8
Chloroethane
Concen: 6.662 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

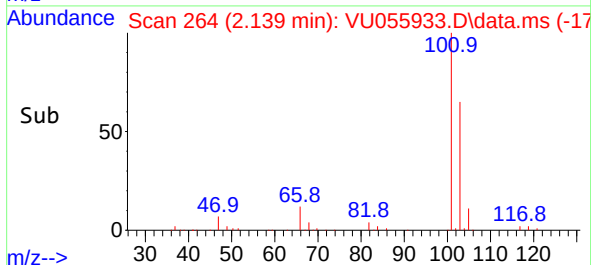
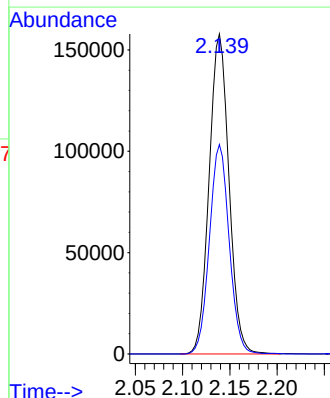
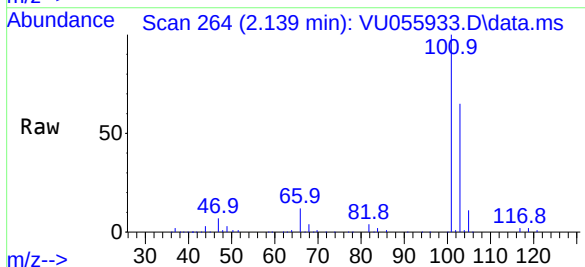
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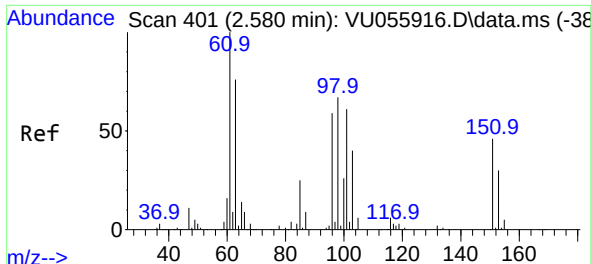
Tgt Ion: 64 Resp: 99617
Ion Ratio Lower Upper
64 100
66 33.1 22.7 42.1



#9
Trichlorofluoromethane
Concen: 6.548 ug/L
RT: 2.139 min Scan# 264
Delta R.T. 0.003 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

Tgt Ion:101 Resp: 230485
Ion Ratio Lower Upper
101 100
103 65.0 52.2 78.2

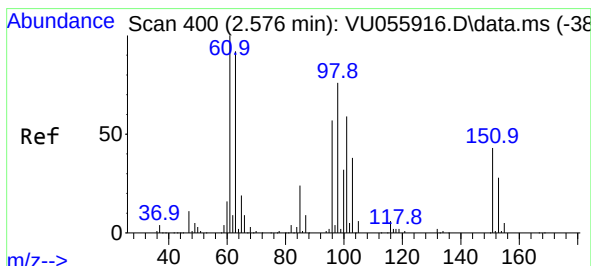
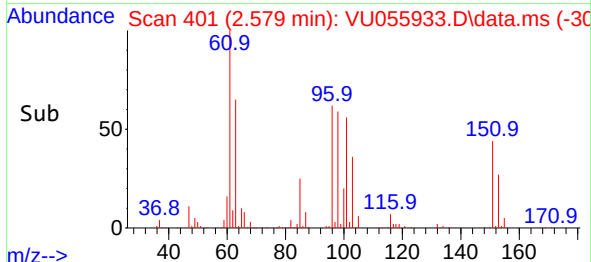
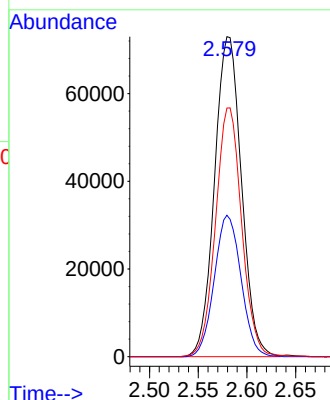
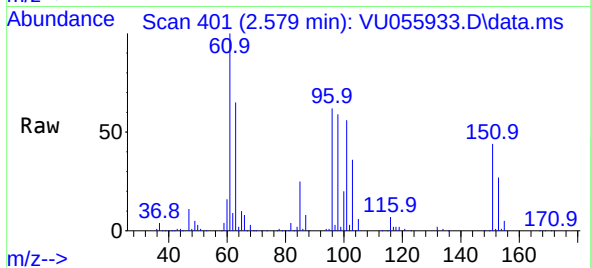




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 6.067 ug/L
RT: 2.579 min Scan# 401
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

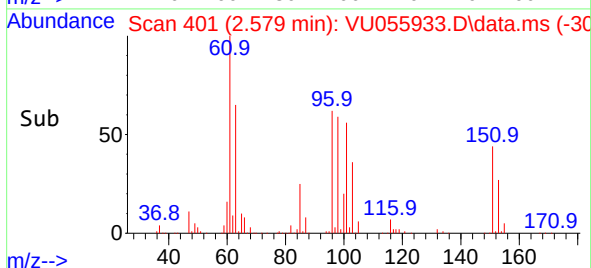
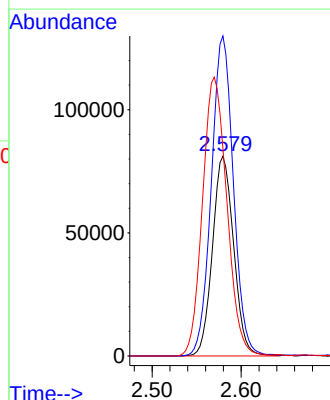
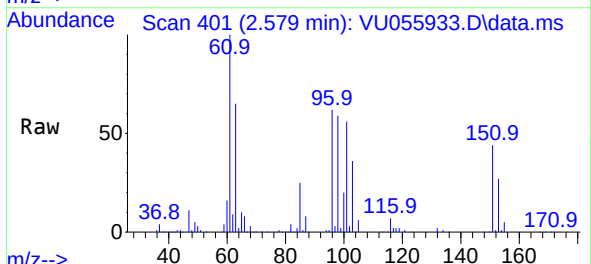
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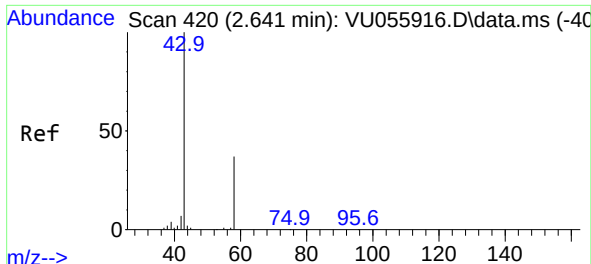
Tgt Ion:101 Resp: 140280
Ion Ratio Lower Upper
101 100
85 43.9 34.4 51.6
151 75.6 58.4 87.6



#12
1,1-Dichloroethene
Concen: 6.509 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

Tgt Ion: 96 Resp: 134317
Ion Ratio Lower Upper
96 100
61 160.3 123.8 230.0
63 104.0 111.0 206.2#





#13

Acetone

Concen: 48.555 ug/L

RT: 2.631 min Scan# 417

Delta R.T. -0.016 min

Lab File: VU055933.D

Acq: 27 Oct 2023 19:08

Instrument :

MSVOA_U

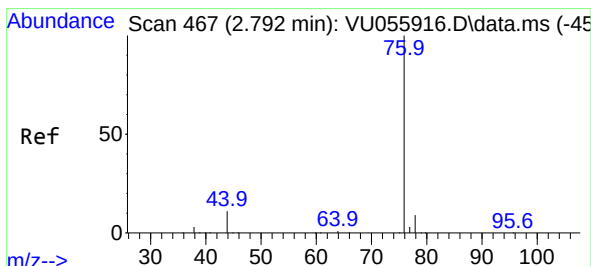
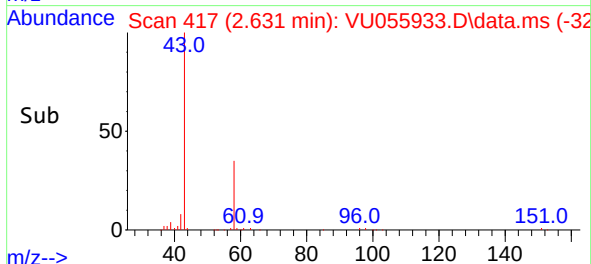
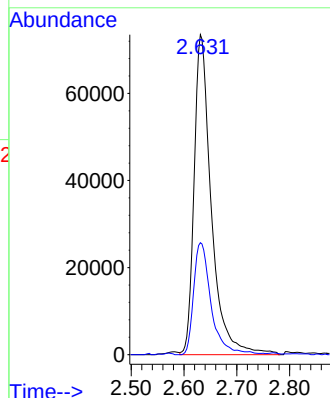
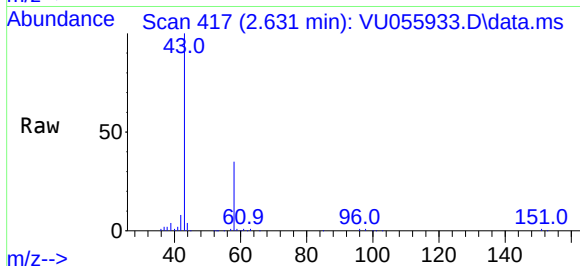
ClientSampleId :

Tgt Ion: 43 Resp: 166243

Ion Ratio Lower Upper

43 100

58 35.1 0.0 69.0



#14

Carbon disulfide

Concen: 8.177 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU055933.D

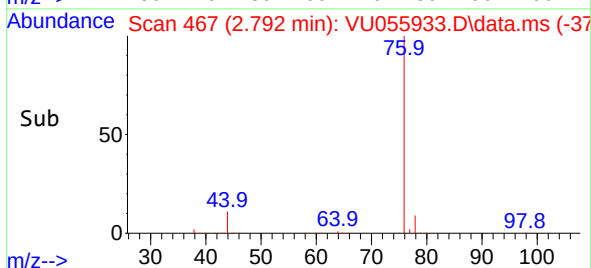
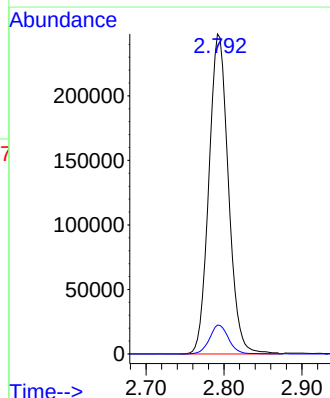
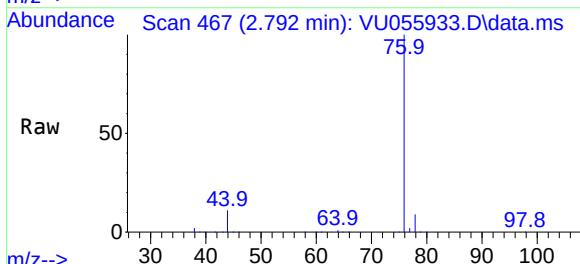
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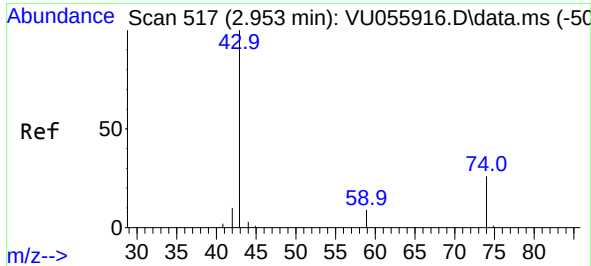
Tgt Ion: 76 Resp: 432015

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





#15

Methyl Acetate

Concen: 4.114 ug/L

RT: 2.952 min Scan# 517

Delta R.T. -0.003 min

Lab File: VU055933.D

Acq: 27 Oct 2023 19:08

Instrument :

MSVOA_U

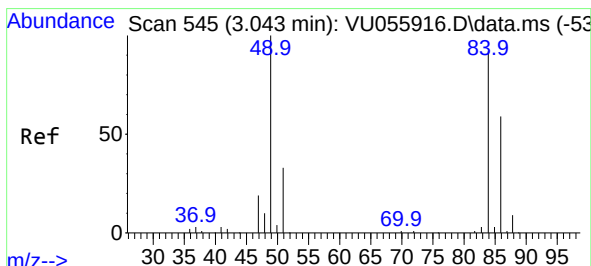
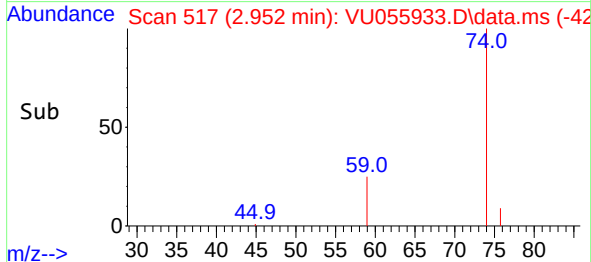
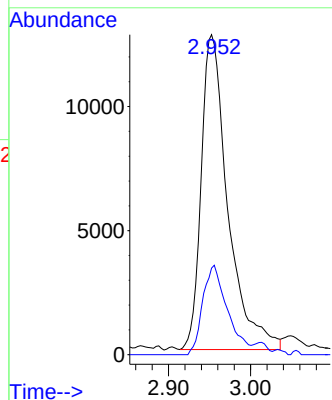
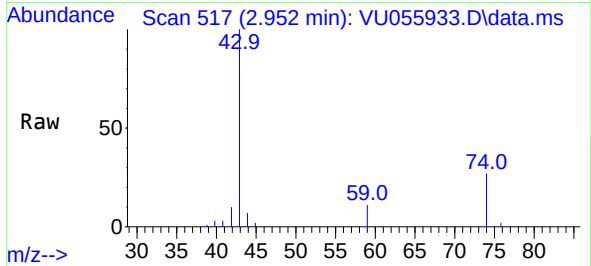
ClientSampleId :

Tgt Ion: 43 Resp: 28695

Ion Ratio Lower Upper

43 100

74 26.3 19.9 29.9



#16

Methylene chloride

Concen: 6.297 ug/L

RT: 3.046 min Scan# 546

Delta R.T. 0.003 min

Lab File: VU055933.D

Acq: 27 Oct 2023 19:08

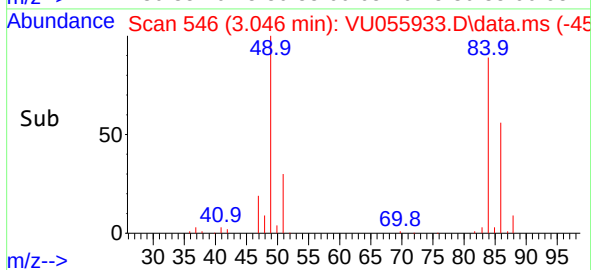
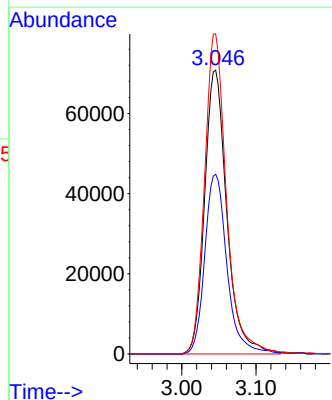
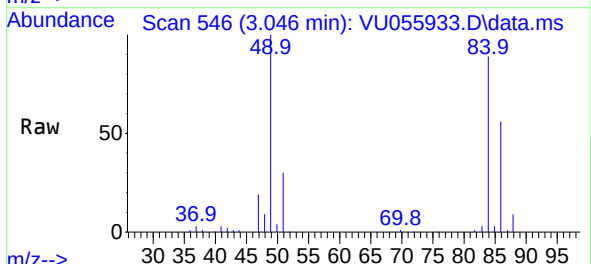
Tgt Ion: 84 Resp: 147224

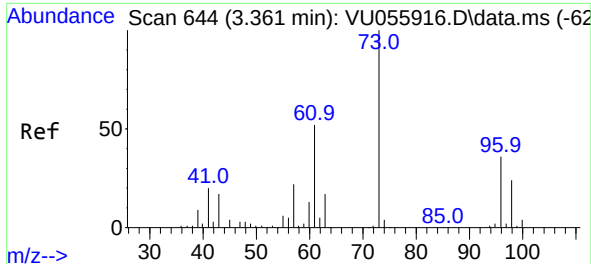
Ion Ratio Lower Upper

84 100

86 63.3 45.2 84.0

49 112.7 78.8 146.3

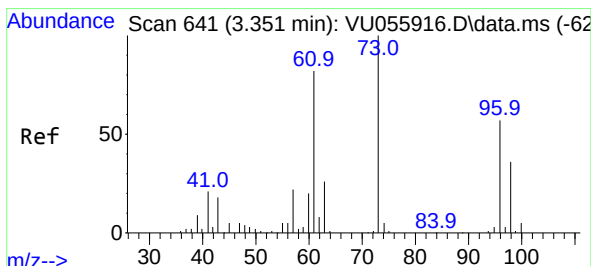
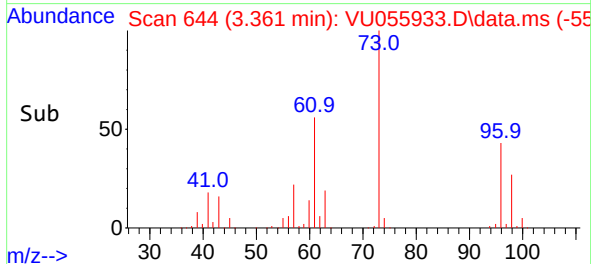
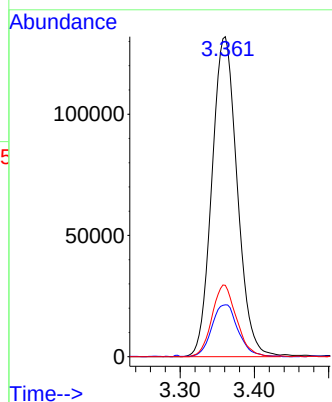
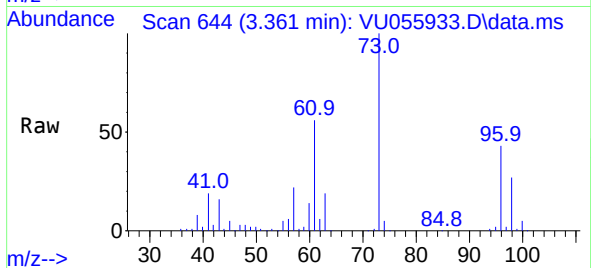




#17
Methyl tert-butyl Ether
Concen: 6.239 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

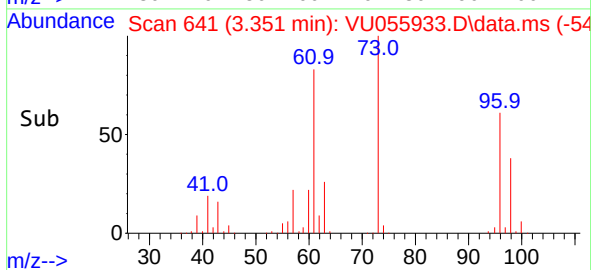
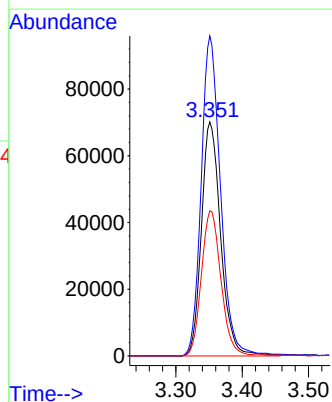
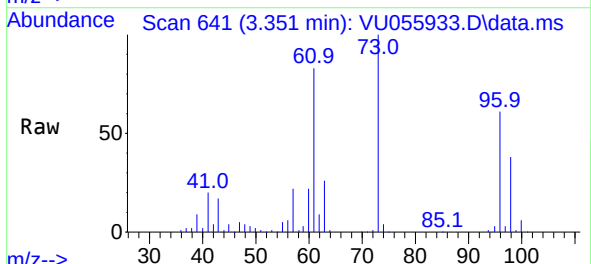
Instrument :
MSVOA_U
ClientSampleId :

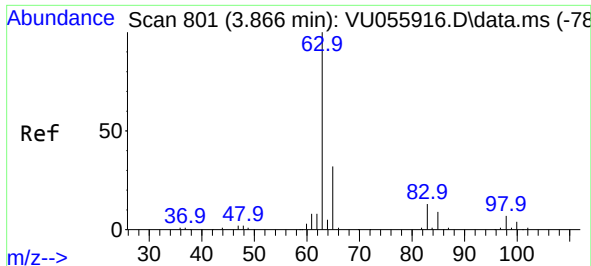
Tgt Ion: 73 Resp: 312443
Ion Ratio Lower Upper
73 100
43 17.0 14.4 21.6
57 21.8 17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 6.921 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

Tgt Ion: 96 Resp: 141600
Ion Ratio Lower Upper
96 100
61 136.7 97.5 181.1
98 62.0 42.7 79.3

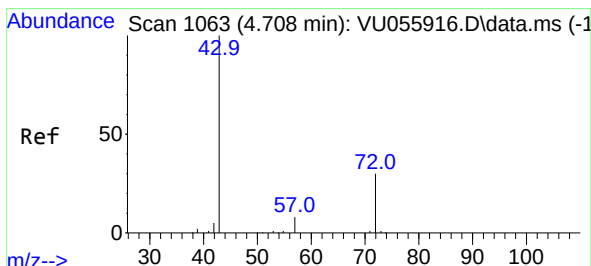
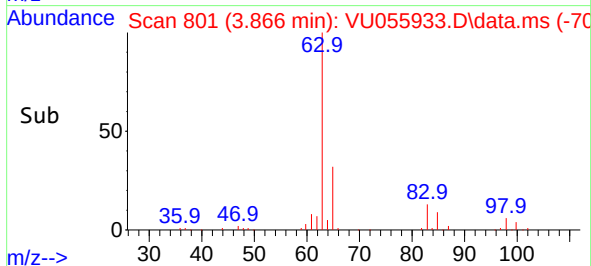
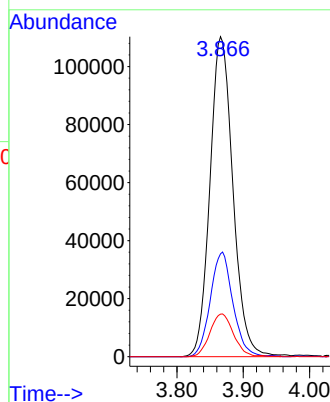
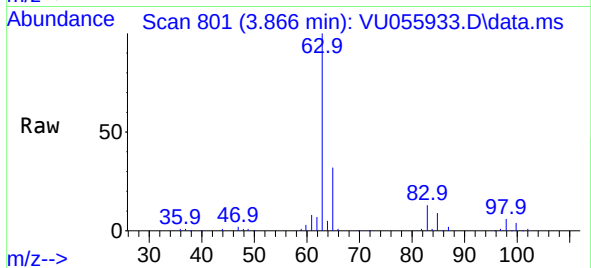




#19
1,1-Dichloroethane
Concen: 6.386 ug/L
RT: 3.866 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

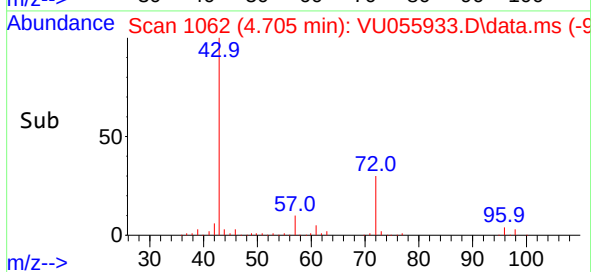
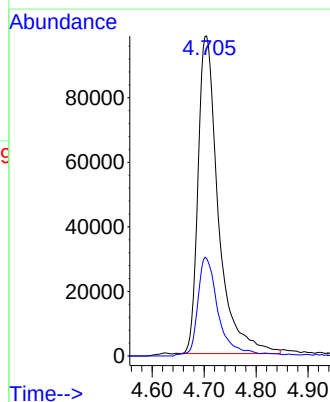
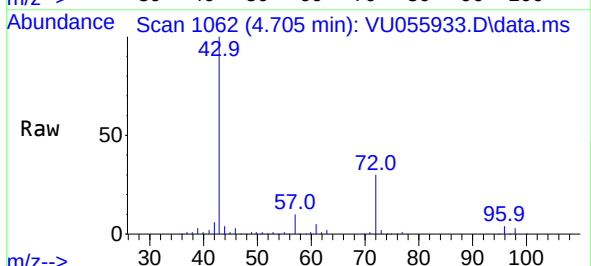
Instrument :
MSVOA_U
ClientSampleId :

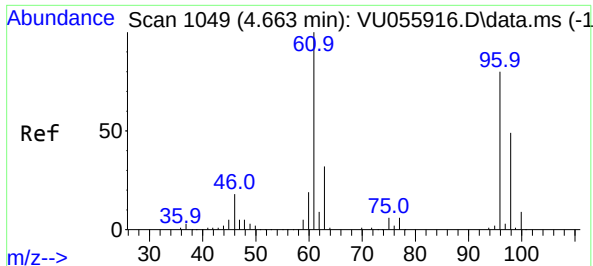
Tgt Ion: 63 Resp: 265301
Ion Ratio Lower Upper
63 100
65 32.2 23.3 43.3
83 13.3 10.5 19.5



#21
2-Butanone
Concen: 53.153 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

Tgt Ion: 43 Resp: 267520
Ion Ratio Lower Upper
43 100
72 30.4 14.4 43.4

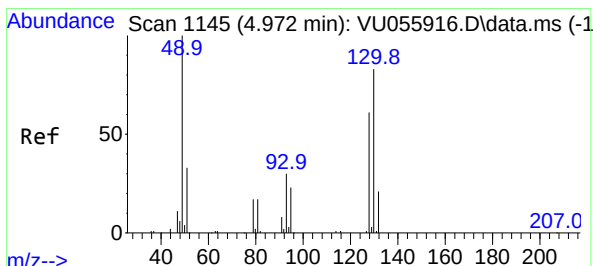
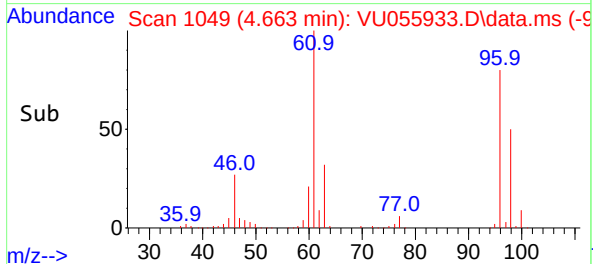
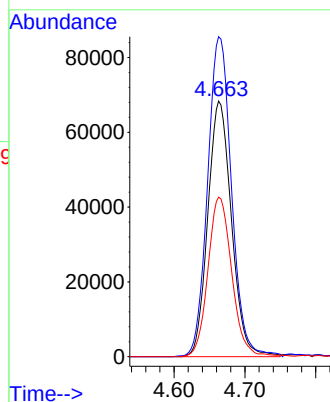
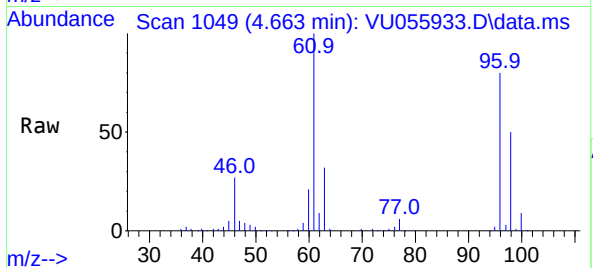




#22
cis-1,2-Dichloroethene
Concen: 6.412 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

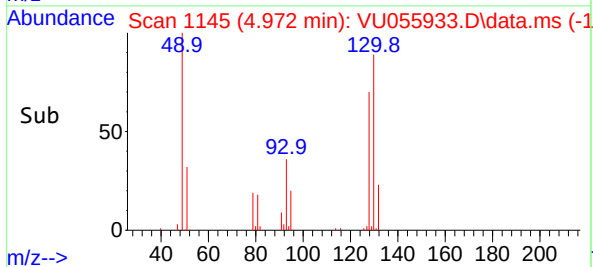
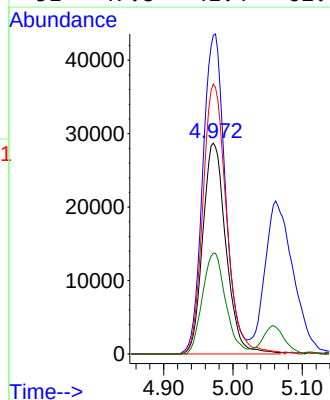
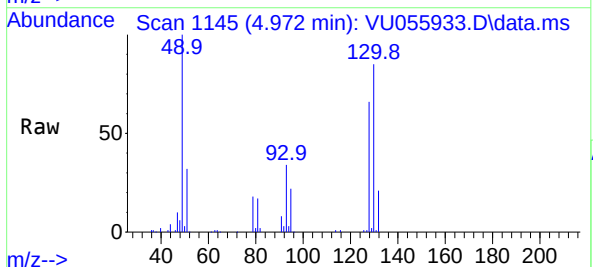
Instrument :
MSVOA_U
ClientSampleId :

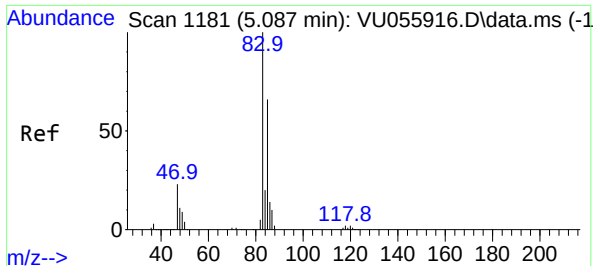
Tgt Ion: 96 Resp: 158833
Ion Ratio Lower Upper
96 100
61 125.2 93.8 174.2
98 62.4 45.6 84.8



#23
Bromochloromethane
Concen: 6.594 ug/L
RT: 4.972 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

Tgt Ion:128 Resp: 66551
Ion Ratio Lower Upper
128 100
49 151.2 108.7 201.9
130 128.1 91.5 169.9
51 47.8 41.4 62.0





#25

Chloroform

Concen: 6.248 ug/L

RT: 5.084 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VU055933.D

Acq: 27 Oct 2023 19:08

Instrument :

MSVOA_U

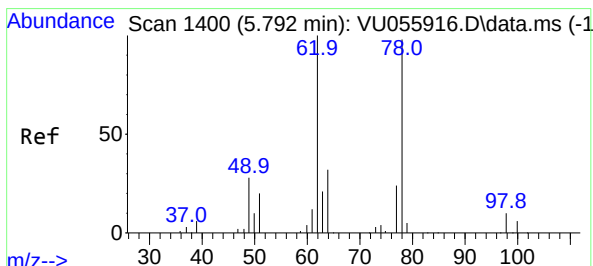
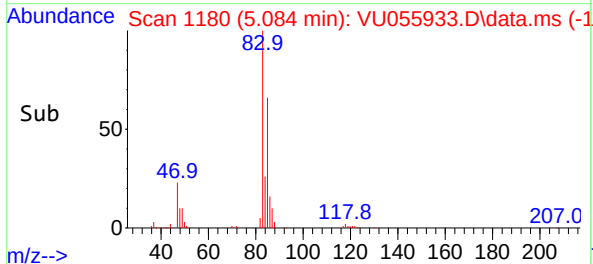
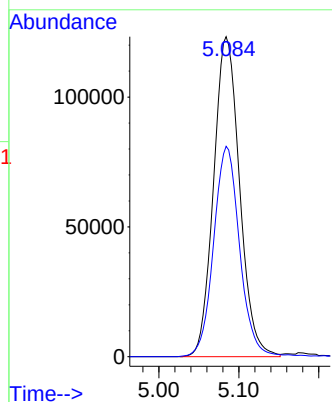
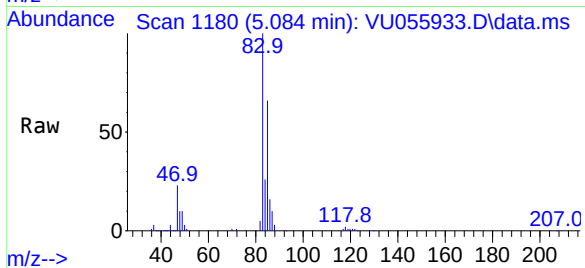
ClientSampleId :

Tgt Ion: 83 Resp: 278283

Ion Ratio Lower Upper

83 100

85 65.7 45.6 84.8



#27

1,2-Dichloroethane

Concen: 6.034 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. -0.000 min

Lab File: VU055933.D

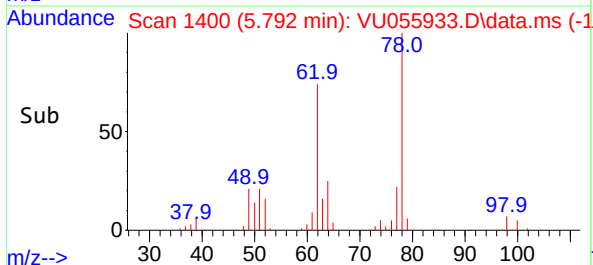
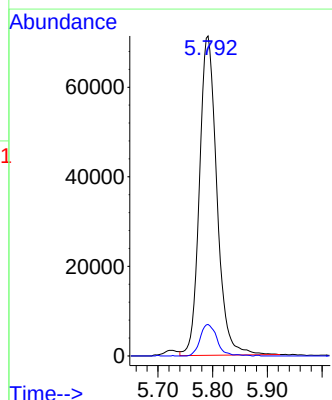
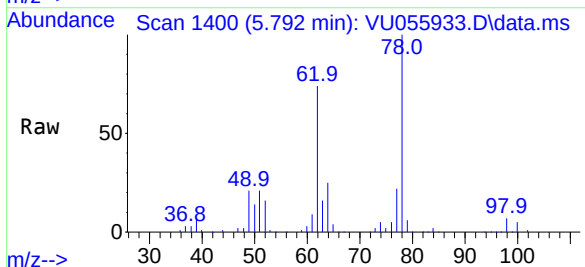
Acq: 27 Oct 2023 19:08

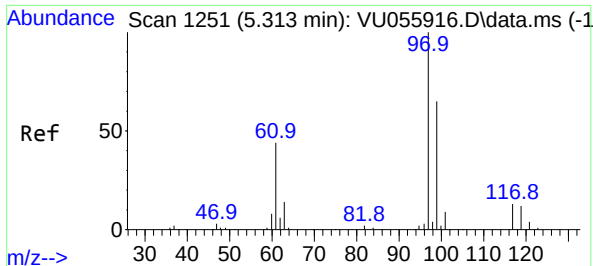
Tgt Ion: 62 Resp: 157909

Ion Ratio Lower Upper

62 100

98 9.9 7.4 11.2

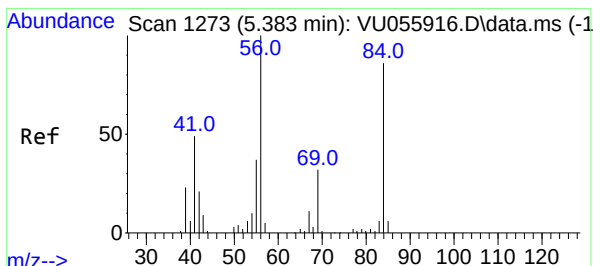
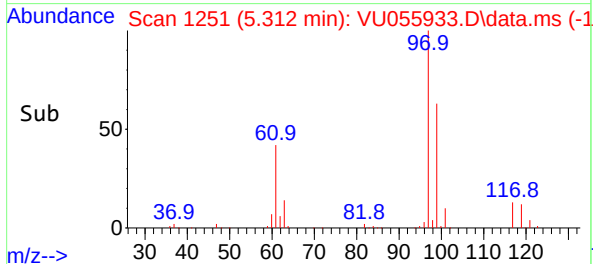
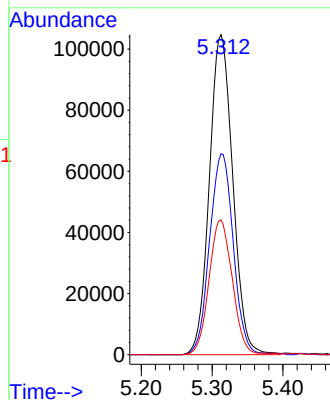
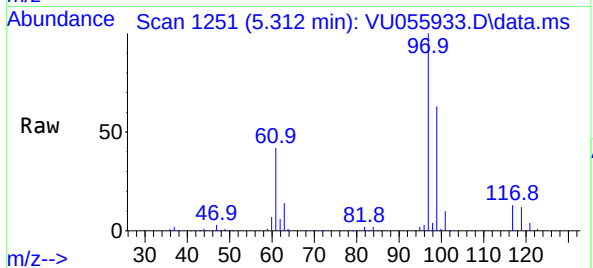




#29
1,1,1-Trichloroethane
Concen: 6.430 ug/L
RT: 5.312 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

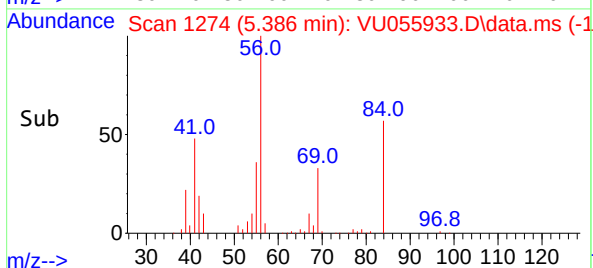
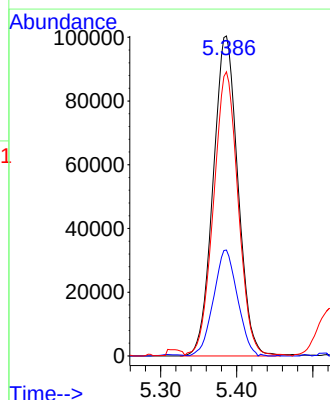
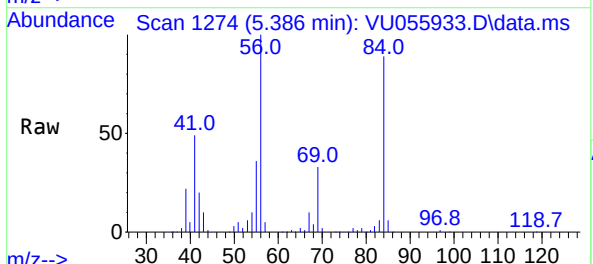
Instrument :
MSVOA_U
ClientSampleId :

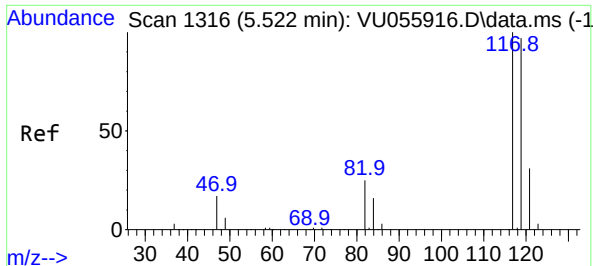
Tgt Ion: 97 Resp: 240834
Ion Ratio Lower Upper
97 100
99 63.6 50.8 76.2
61 41.8 35.0 52.4



#30
Cyclohexane
Concen: 7.193 ug/L
RT: 5.386 min Scan# 1274
Delta R.T. 0.003 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

Tgt Ion: 56 Resp: 227327
Ion Ratio Lower Upper
56 100
69 32.1 25.4 38.2
84 88.4 71.0 106.6

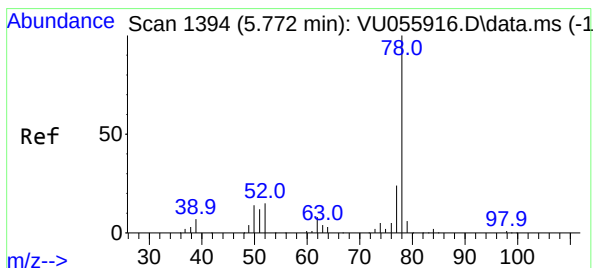
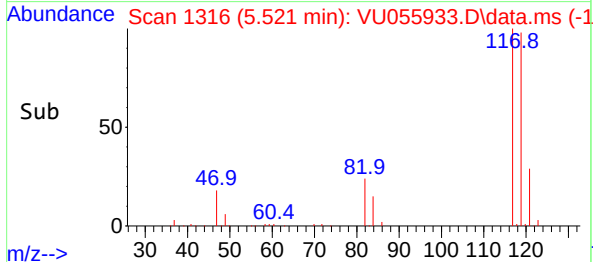
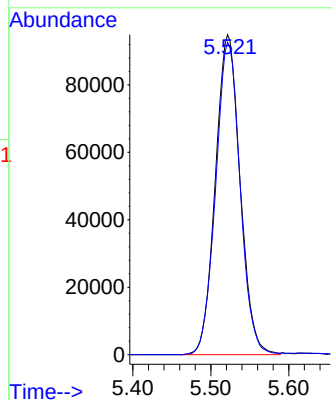
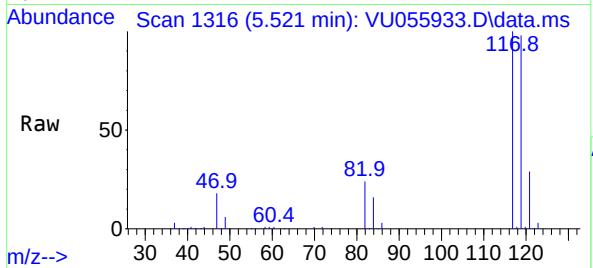




#31
Carbon tetrachloride
Concen: 6.537 ug/L
RT: 5.521 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

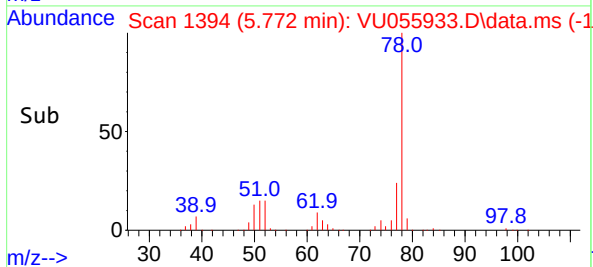
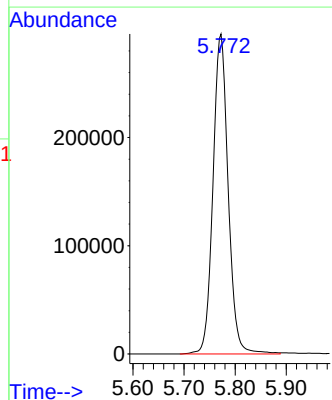
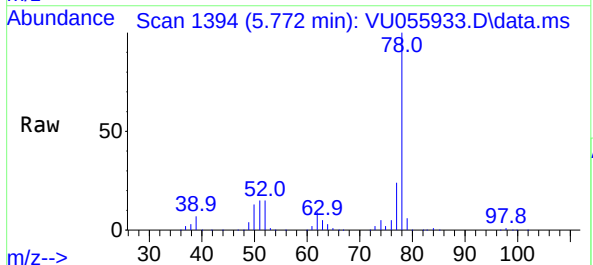
Instrument :
MSVOA_U
ClientSampleId :

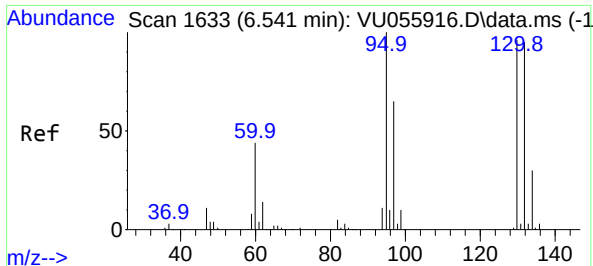
Tgt Ion:117 Resp: 208868
Ion Ratio Lower Upper
117 100
119 96.8 75.1 112.7



#33
Benzene
Concen: 6.733 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

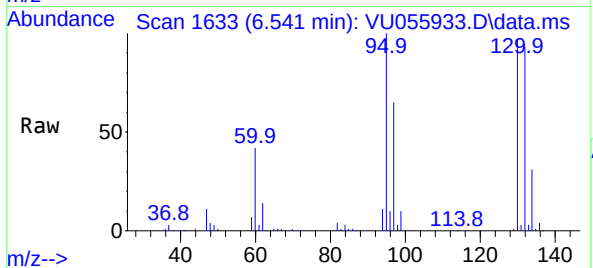
Tgt Ion: 78 Resp: 610581



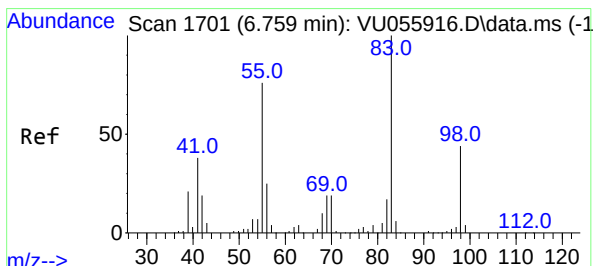
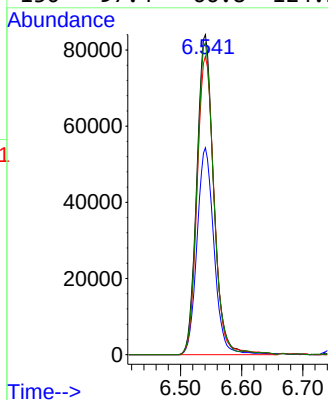
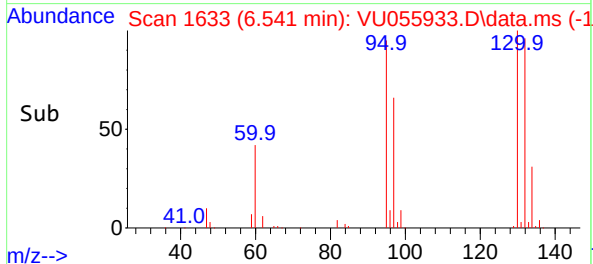


#34
Trichloroethene
Concen: 6.376 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

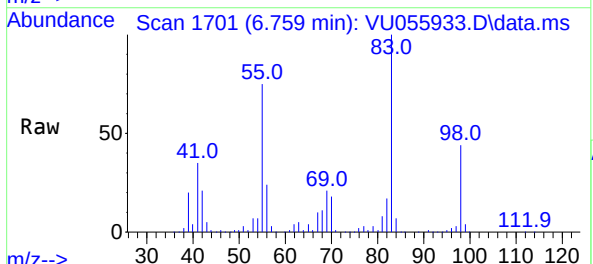
Instrument :
MSVOA_U
ClientSampleId :



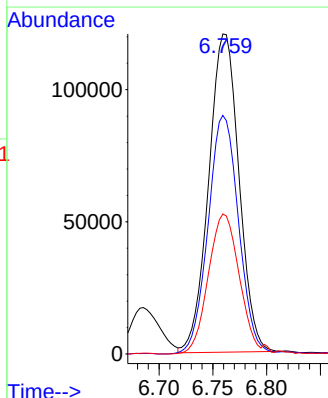
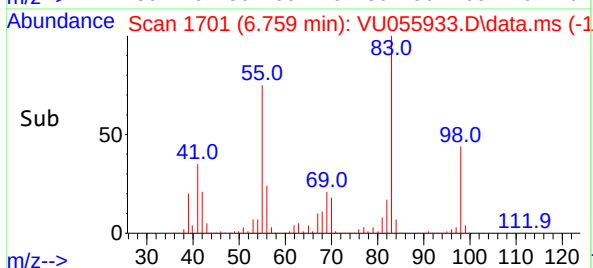
Tgt Ion: 95 Resp: 161752
Ion Ratio Lower Upper
95 100
97 64.7 45.4 84.2
132 93.2 63.9 118.7
130 97.4 66.8 124.2

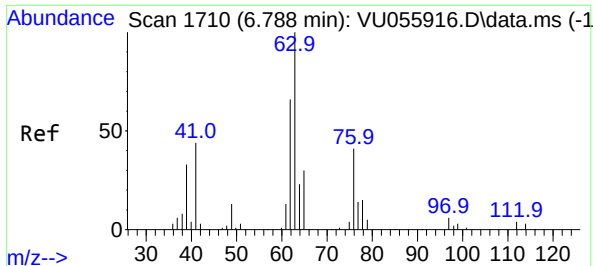


#35
Methylcyclohexane
Concen: 6.891 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08



Tgt Ion: 83 Resp: 235936
Ion Ratio Lower Upper
83 100
55 75.7 62.4 93.6
98 45.4 37.4 56.2

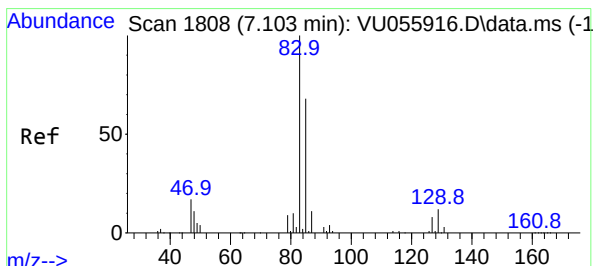
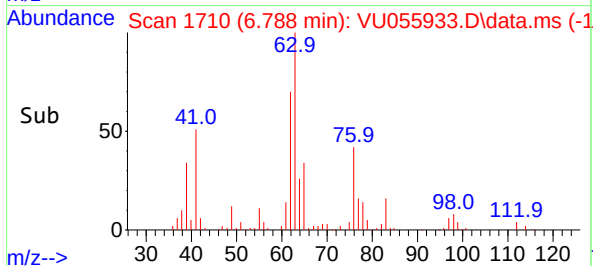
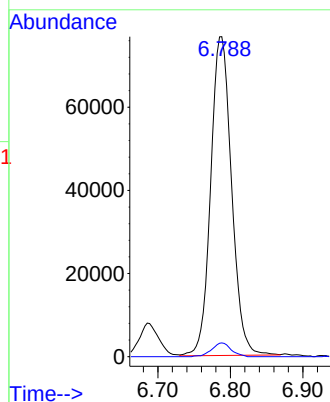
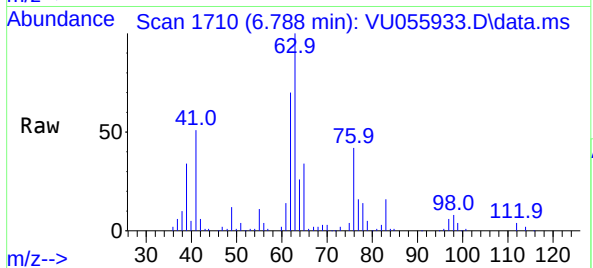




#37
1,2-Dichloropropane
Concen: 6.376 ug/L
RT: 6.788 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

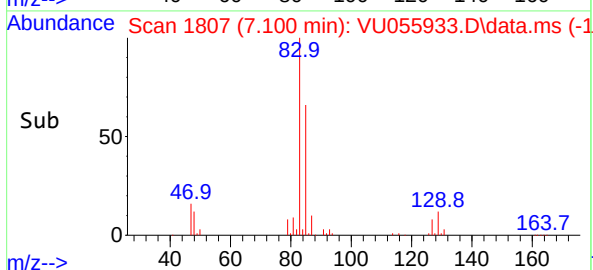
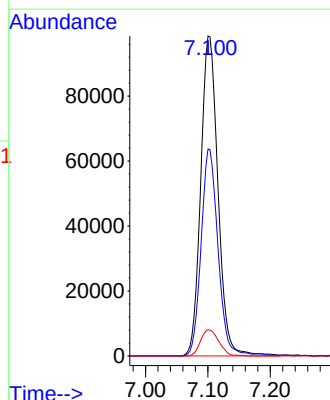
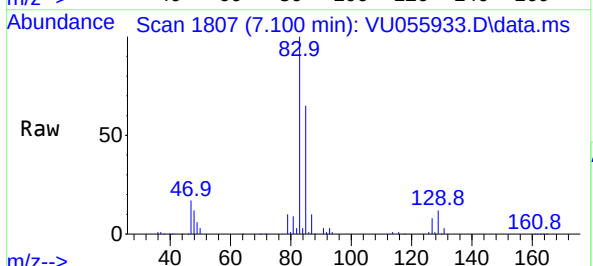
Instrument :
MSVOA_U
ClientSampleId :

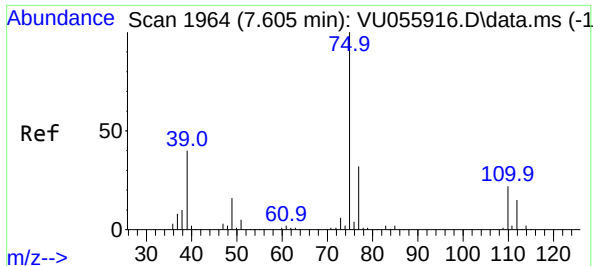
Tgt Ion: 63 Resp: 153524
Ion Ratio Lower Upper
63 100
112 4.0 3.1 4.7



#38
Bromodichloromethane
Concen: 6.275 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

Tgt Ion: 83 Resp: 189684
Ion Ratio Lower Upper
83 100
85 64.7 44.9 83.3
127 8.2 6.6 9.8

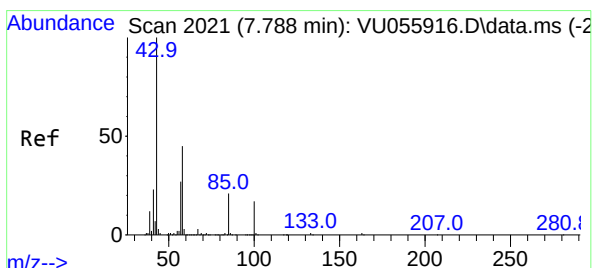
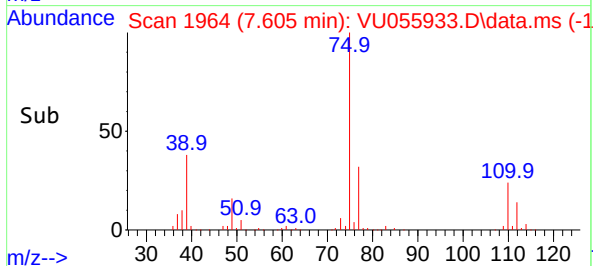
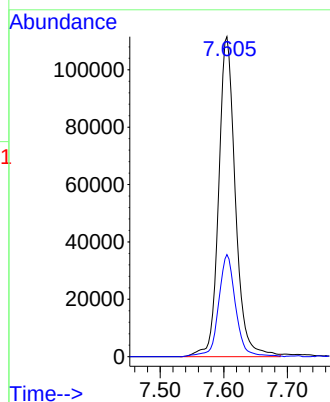
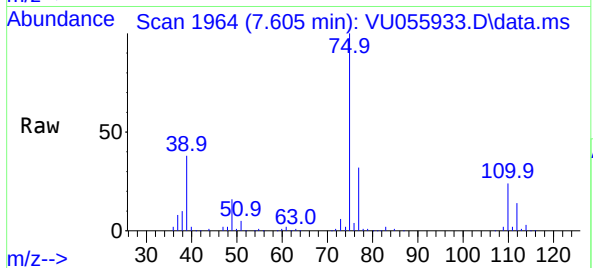




#39
 cis-1,3-Dichloropropene
 Concen: 5.948 ug/L
 RT: 7.605 min Scan# 1964
 Delta R.T. -0.000 min
 Lab File: VU055933.D
 Acq: 27 Oct 2023 19:08

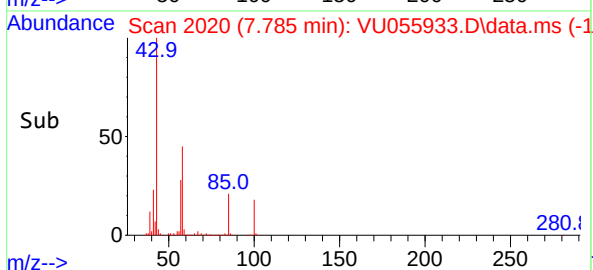
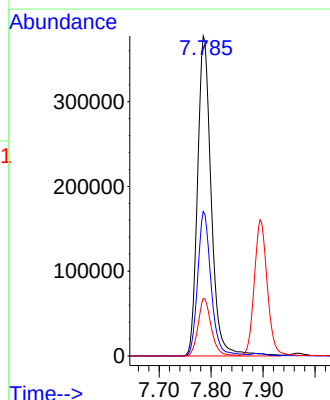
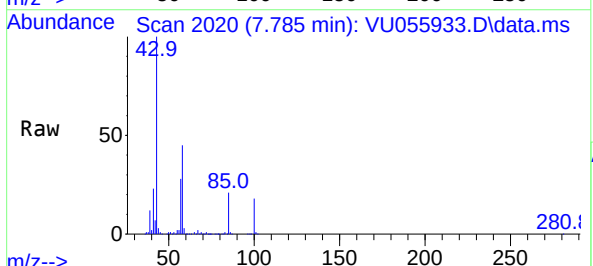
Instrument :
 MSVOA_U
 ClientSampleId :

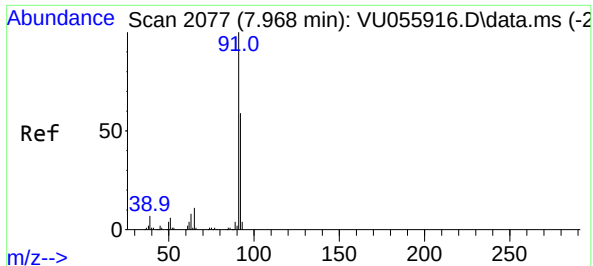
Tgt Ion: 75 Resp: 204036
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 59.543 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. -0.003 min
 Lab File: VU055933.D
 Acq: 27 Oct 2023 19:08

Tgt Ion: 43 Resp: 691174
 Ion Ratio Lower Upper
 43 100
 58 44.2 34.0 51.0
 100 17.3 13.0 19.6





#42

Toluene

Concen: 6.864 ug/L

RT: 7.965 min Scan# 2077

Delta R.T. -0.000 min

Lab File: VU055933.D

Acq: 27 Oct 2023 19:08

Instrument :

MSVOA_U

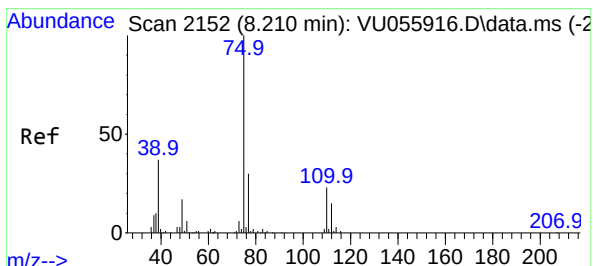
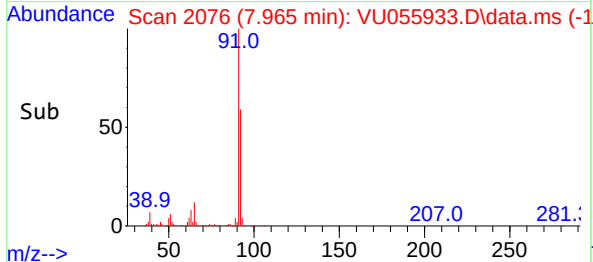
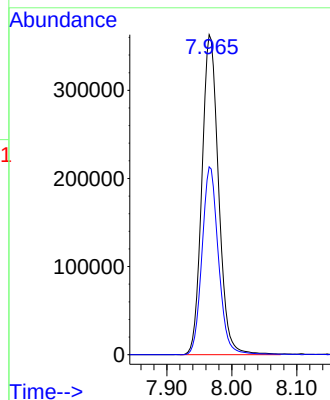
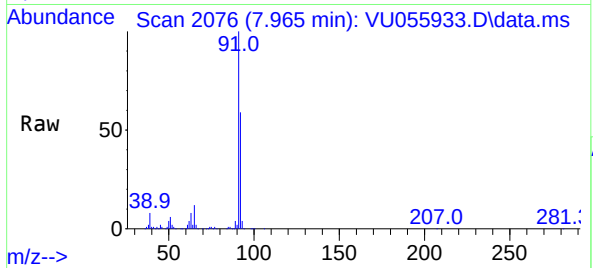
ClientSampleId :

Tgt Ion: 91 Resp: 650599

Ion Ratio Lower Upper

91 100

92 58.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.937 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU055933.D

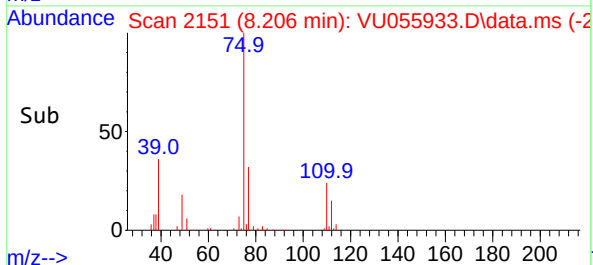
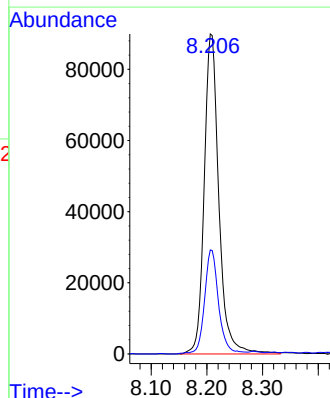
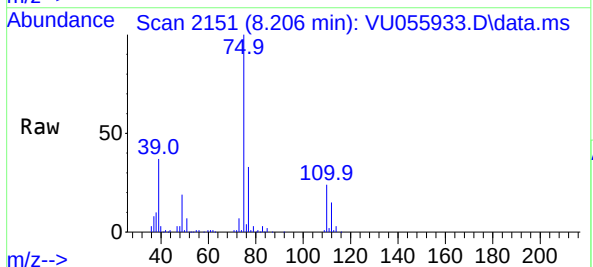
Acq: 27 Oct 2023 19:08

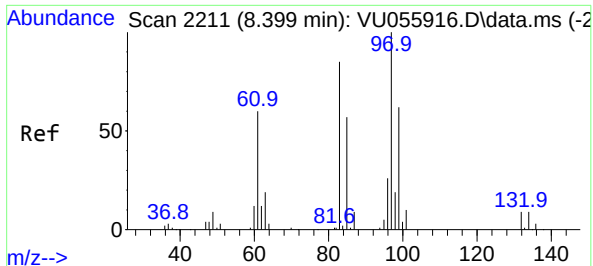
Tgt Ion: 75 Resp: 164422

Ion Ratio Lower Upper

75 100

77 32.5 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 6.209 ug/L

RT: 8.396 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055933.D

Acq: 27 Oct 2023 19:08

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 105124

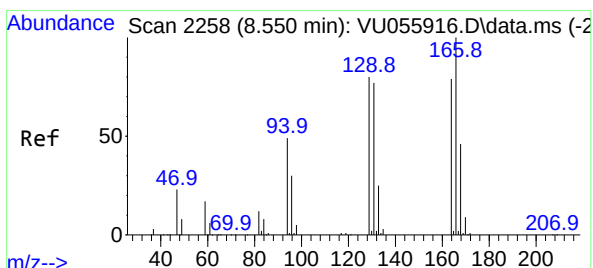
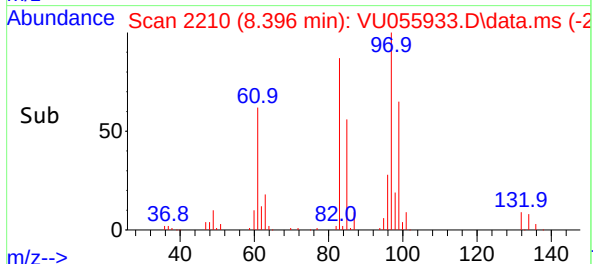
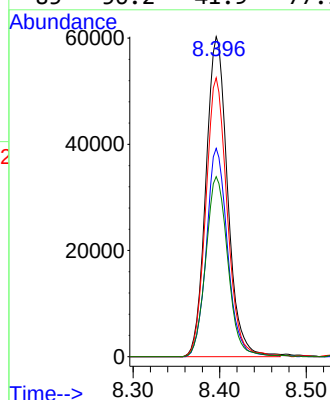
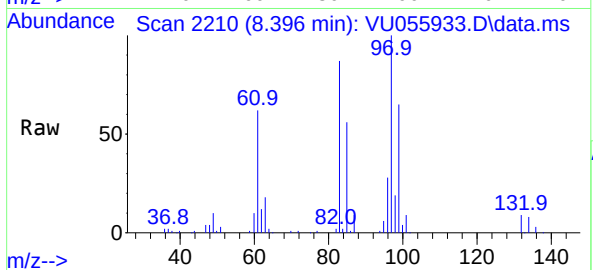
Ion Ratio Lower Upper

97 100

99 65.1 45.3 84.1

83 87.2 61.9 115.1

85 56.2 41.9 77.9



#47

Tetrachloroethene

Concen: 6.790 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU055933.D

Acq: 27 Oct 2023 19:08

Tgt Ion: 164 Resp: 120635

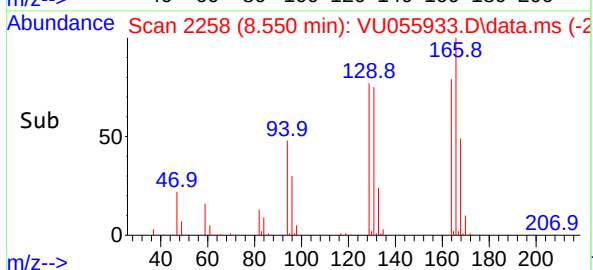
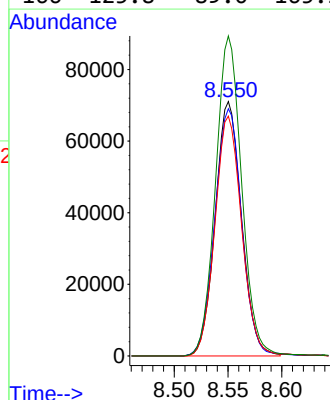
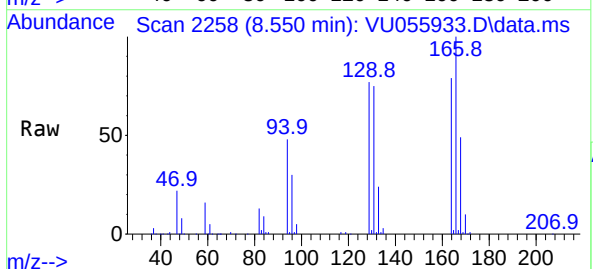
Ion Ratio Lower Upper

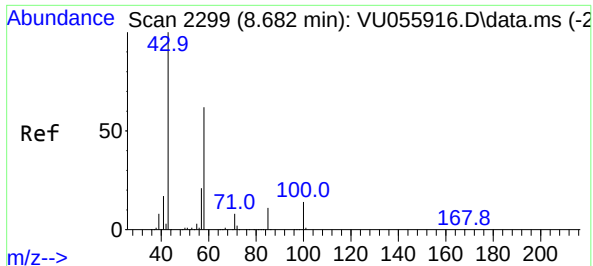
164 100

129 97.2 72.2 134.0

131 94.3 70.8 131.6

166 125.8 89.0 165.2





#48

2-Hexanone

Concen: 54.081 ug/L

RT: 8.679 min Scan# 21

Delta R.T. -0.003 min

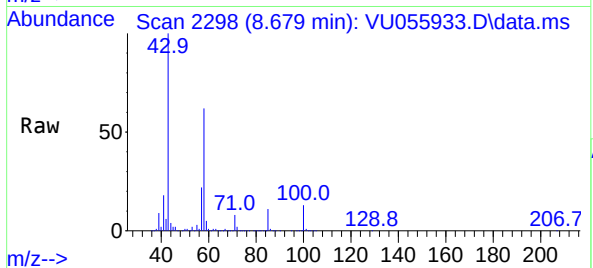
Lab File: VU055933.D

Acq: 27 Oct 2023 19:08

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 493597

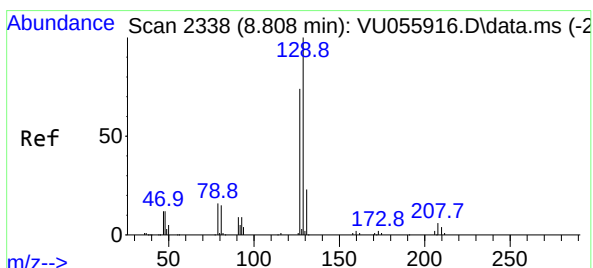
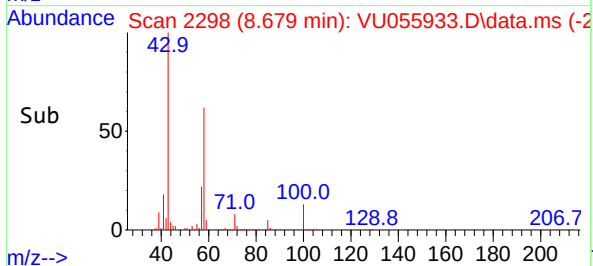
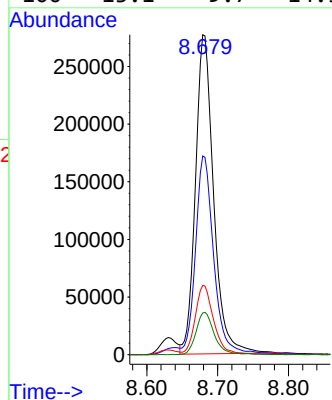
Ion Ratio Lower Upper

43 100

58 62.9 49.5 74.3

57 21.7 16.9 25.3

100 13.1 9.7 14.5



#49

Dibromochloromethane

Concen: 6.503 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. -0.000 min

Lab File: VU055933.D

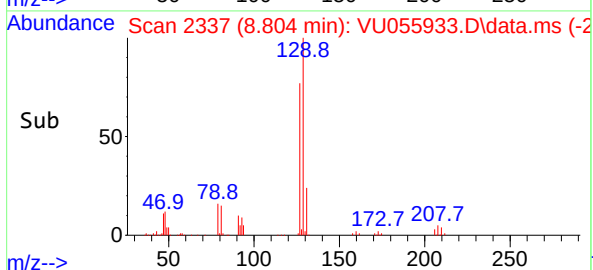
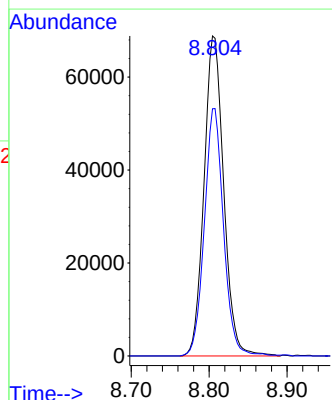
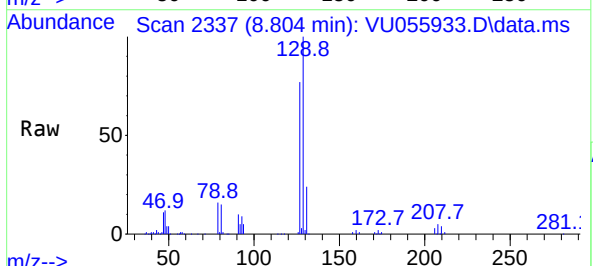
Acq: 27 Oct 2023 19:08

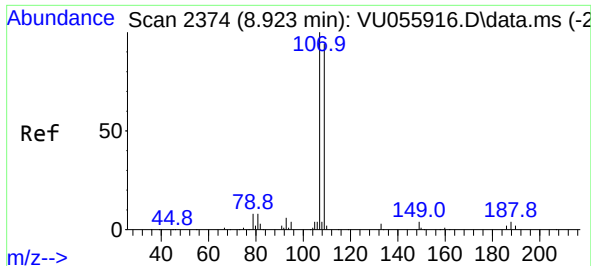
Tgt Ion:129 Resp: 120860

Ion Ratio Lower Upper

129 100

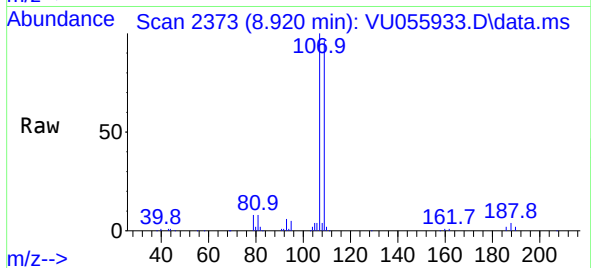
127 77.3 53.5 99.5



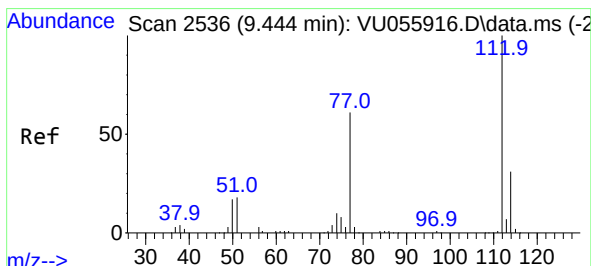
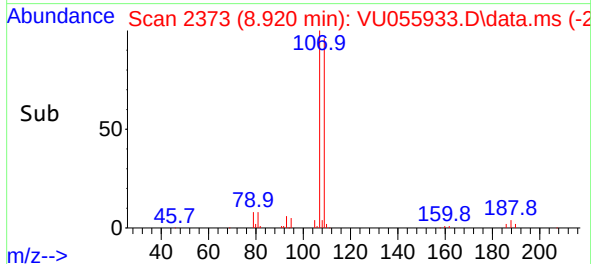
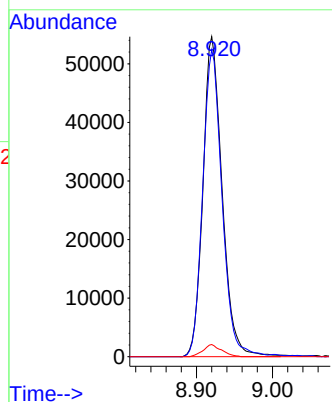


#50
1,2-Dibromoethane
Concen: 6.225 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

Instrument :
MSVOA_U
ClientSampleId :

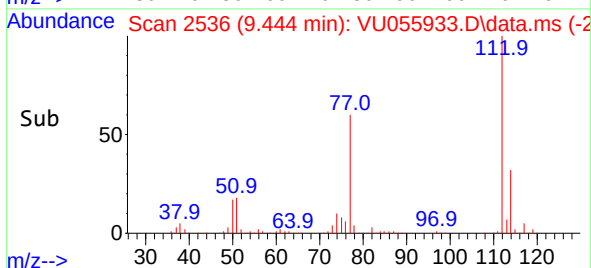
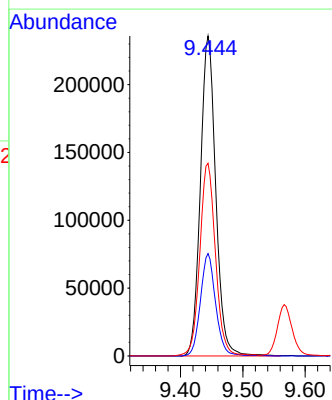
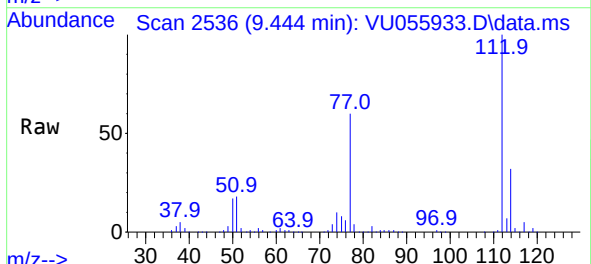


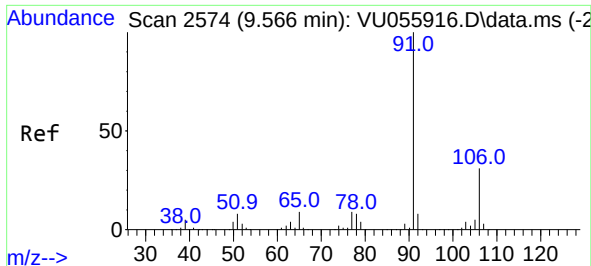
Tgt Ion:107 Resp: 95634
Ion Ratio Lower Upper
107 100
109 95.9 65.0 120.6
188 3.8 2.5 3.7#



#51
Chlorobenzene
Concen: 6.499 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

Tgt Ion:112 Resp: 403683
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.5
77 60.2 49.9 74.9

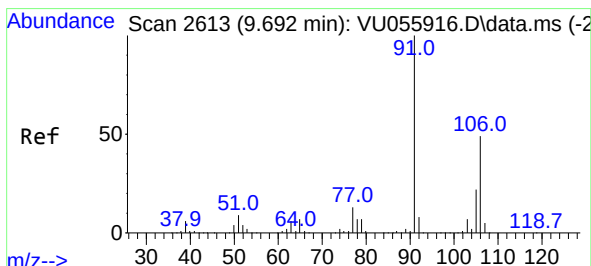
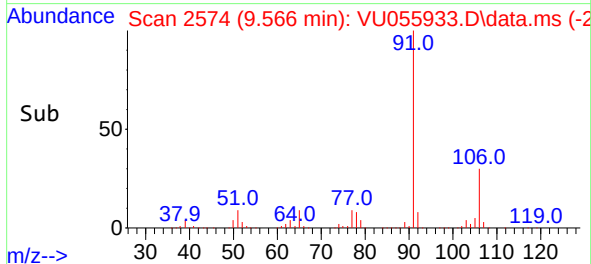
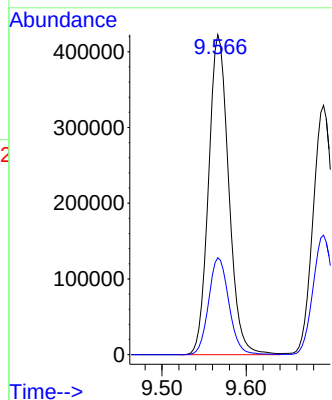
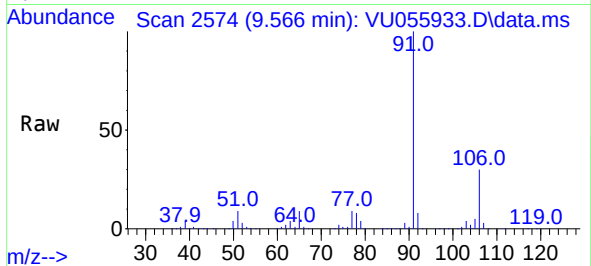




#52
Ethylbenzene
Concen: 6.548 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

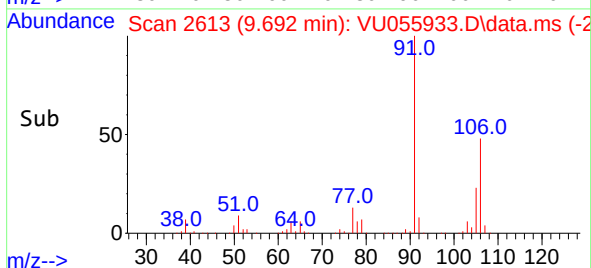
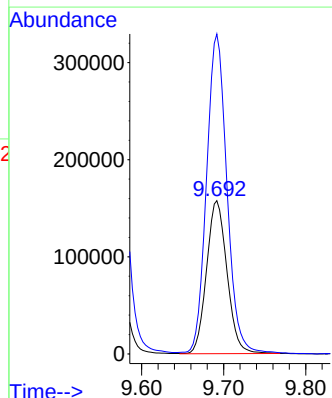
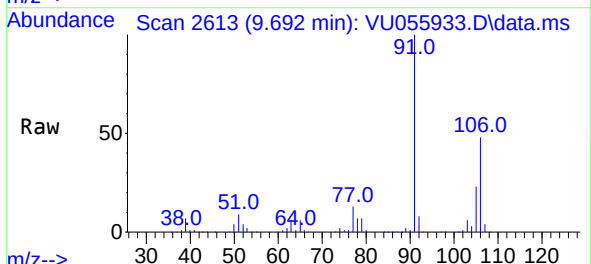
Instrument :
MSVOA_U
ClientSampleId :

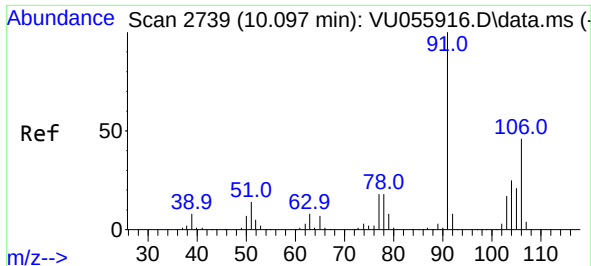
Tgt Ion: 91 Resp: 703565
Ion Ratio Lower Upper
91 100
106 30.3 21.3 39.5



#53
m,p-Xylene
Concen: 6.781 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

Tgt Ion: 106 Resp: 272272
Ion Ratio Lower Upper
106 100
91 208.7 150.4 279.2

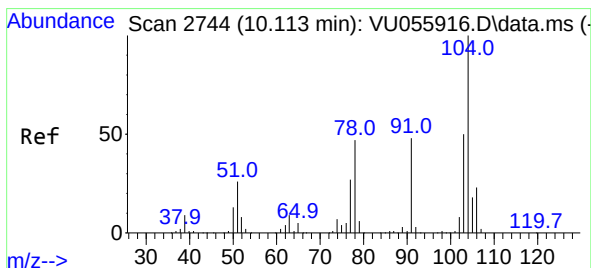
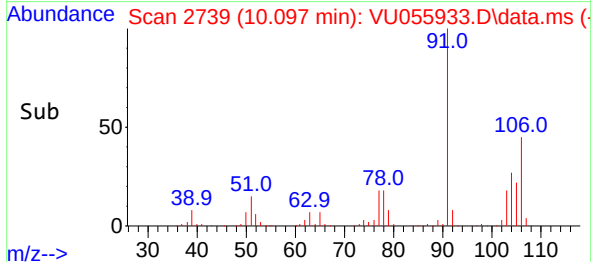
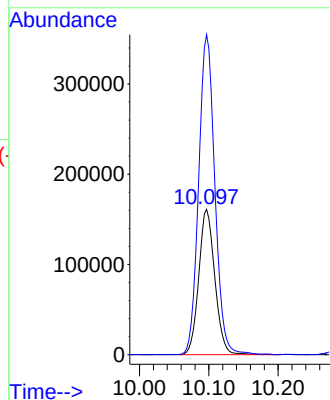
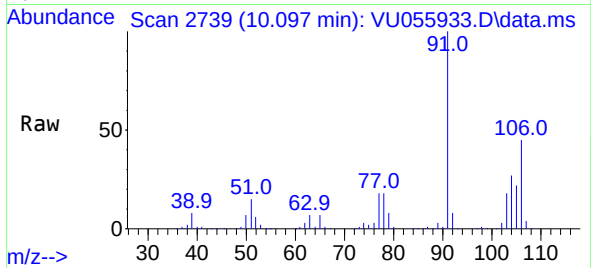




#54
o-Xylene
Concen: 6.611 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

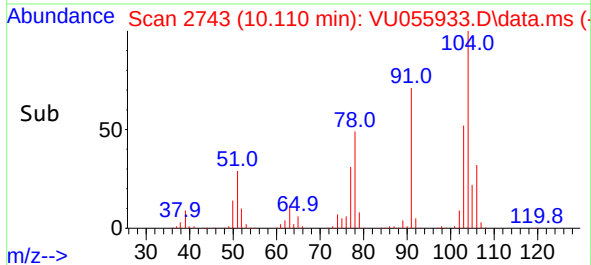
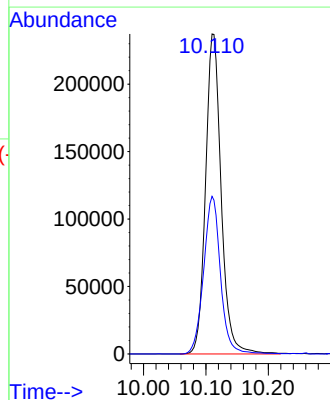
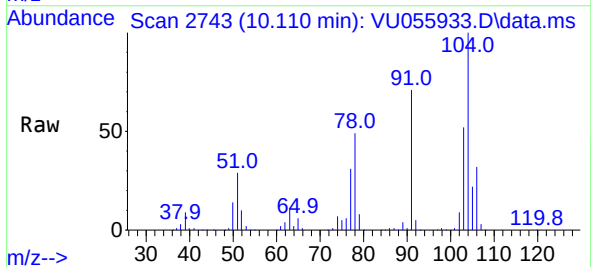
Instrument :
MSVOA_U
ClientSampleId :

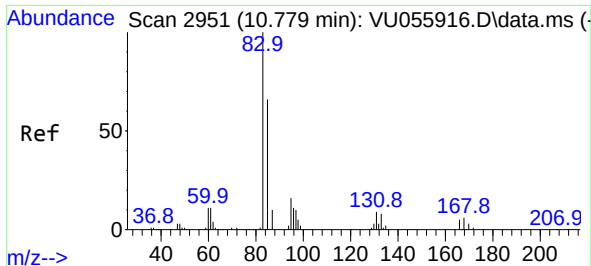
Tgt Ion:106 Resp: 259760
Ion Ratio Lower Upper
106 100
91 220.2 154.6 287.2



#55
Styrene
Concen: 6.565 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

Tgt Ion:104 Resp: 413459
Ion Ratio Lower Upper
104 100
78 49.2 33.9 63.0





#57

1,1,2,2-Tetrachloroethane

Concen: 6.237 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU055933.D

Acq: 27 Oct 2023 19:08

Instrument :

MSVOA_U

ClientSampleId :

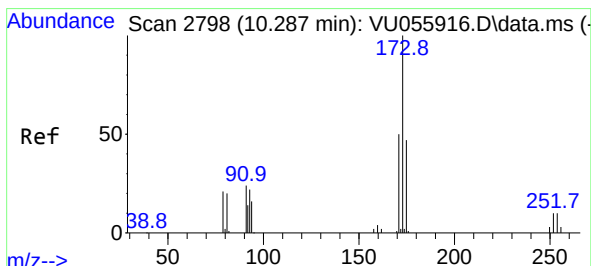
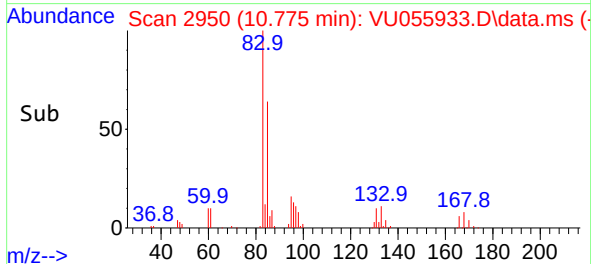
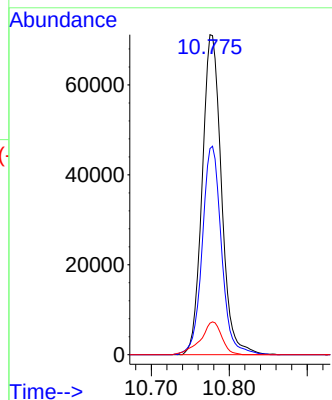
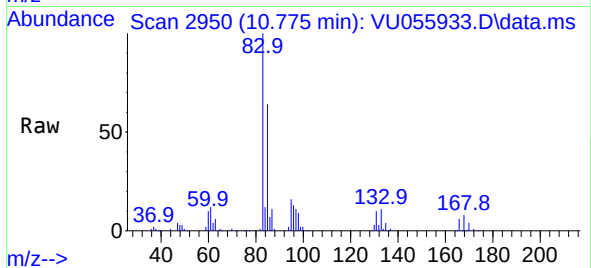
Tgt Ion: 83 Resp: 122240

Ion Ratio Lower Upper

83 100

85 64.4 46.2 85.8

131 9.9 7.2 10.8



#59

Bromoform

Concen: 6.278 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU055933.D

Acq: 27 Oct 2023 19:08

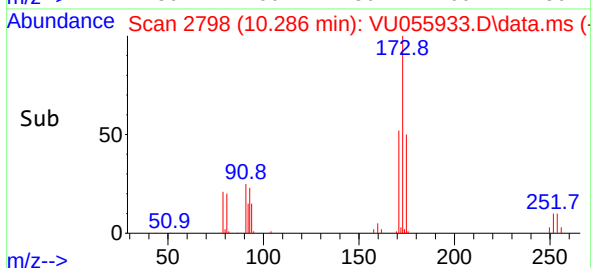
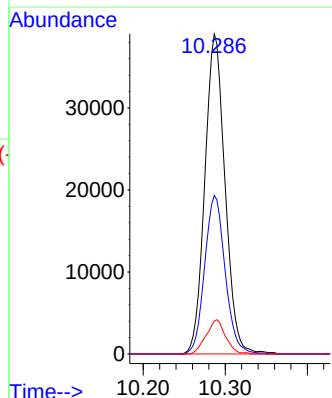
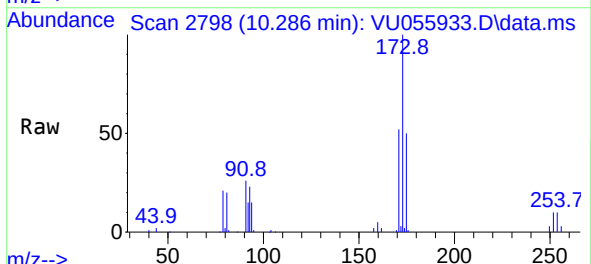
Tgt Ion:173 Resp: 66656

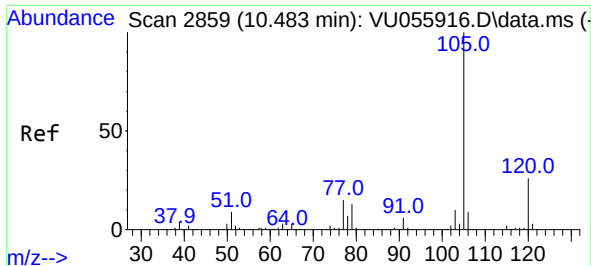
Ion Ratio Lower Upper

173 100

175 50.3 37.8 56.6

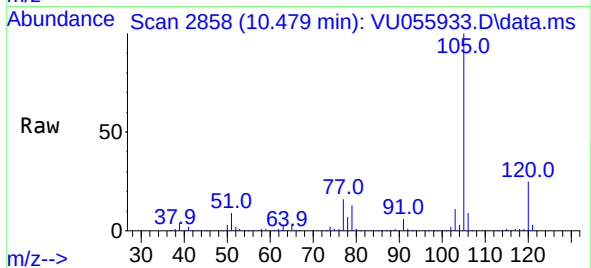
254 10.3 7.4 11.0



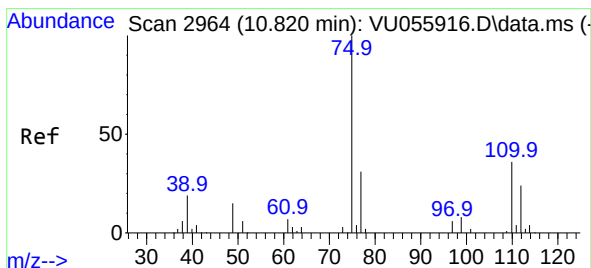
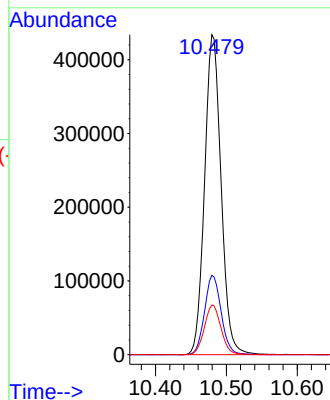
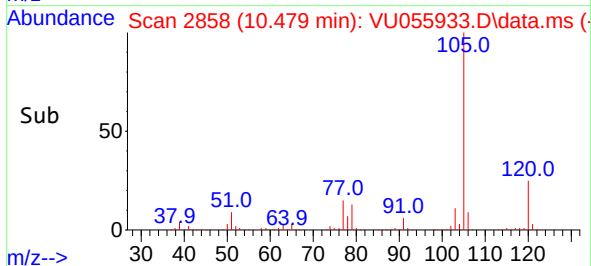


#60
Isopropylbenzene
Concen: 6.739 ug/L
RT: 10.479 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

Instrument :
MSVOA_U
ClientSampleId :

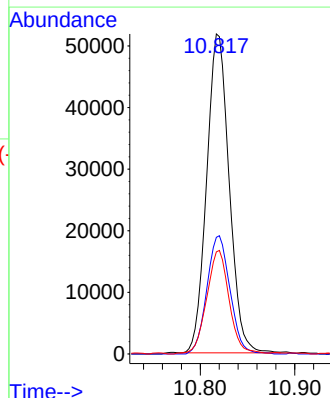
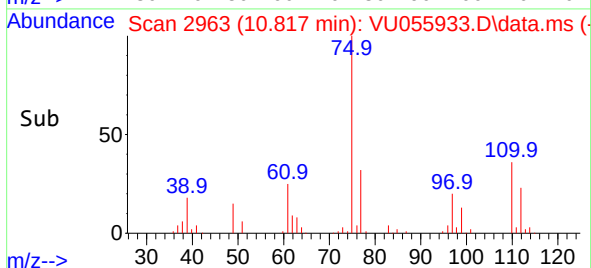
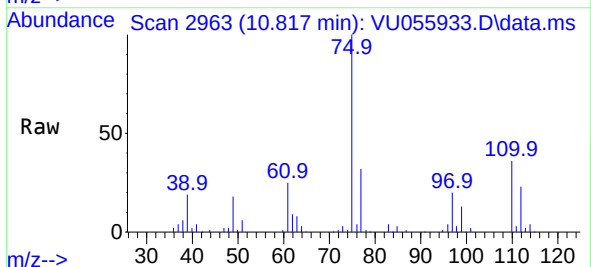


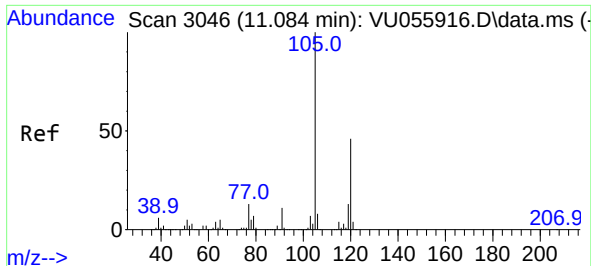
Tgt Ion:105 Resp: 700852
Ion Ratio Lower Upper
105 100
120 25.0 20.2 30.4
77 15.7 13.0 19.4



#61
1,2,3-Trichloropropane
Concen: 5.980 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

Tgt Ion: 75 Resp: 85693
Ion Ratio Lower Upper
75 100
110 38.0 29.0 43.6
77 32.5 24.5 36.7

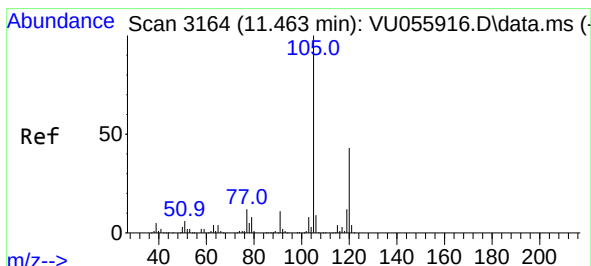
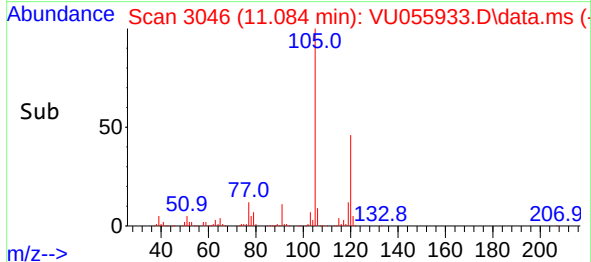
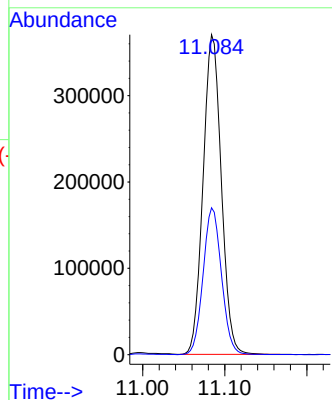
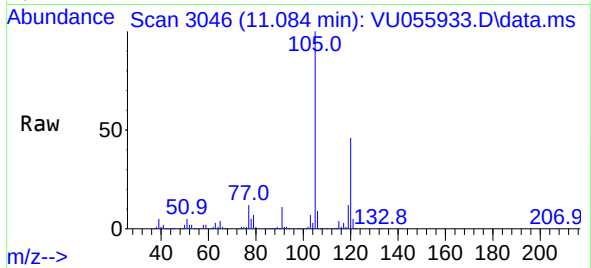




#62
1,3,5-Trimethylbenzene
Concen: 6.712 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

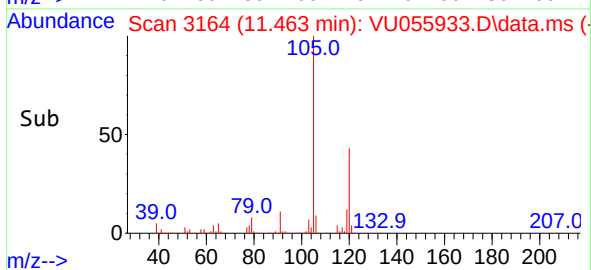
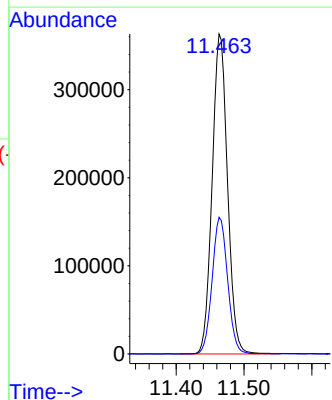
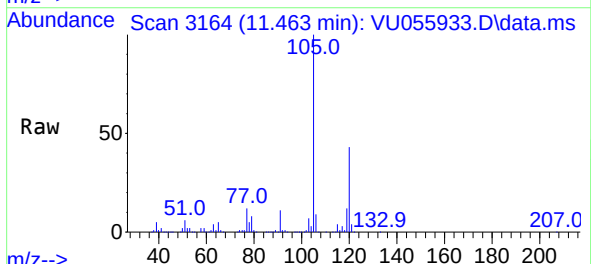
Instrument :
MSVOA_U
ClientSampleId :

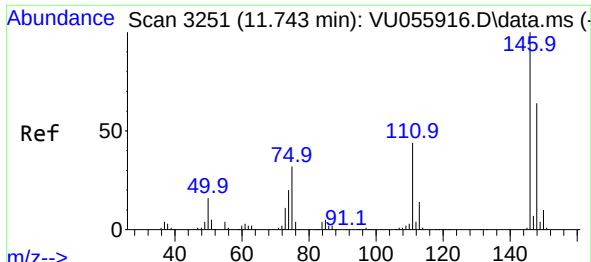
Tgt Ion:105 Resp: 570448
Ion Ratio Lower Upper
105 100
120 46.5 37.4 56.2



#63
1,2,4-Trimethylbenzene
Concen: 7.232 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

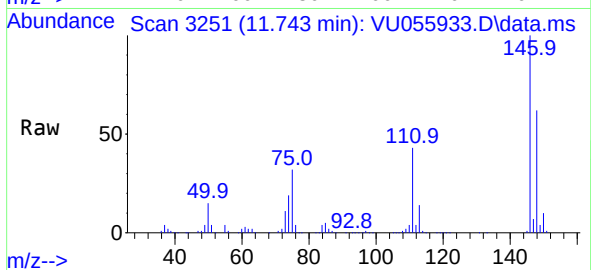
Tgt Ion:105 Resp: 571039
Ion Ratio Lower Upper
105 100
120 43.1 34.6 52.0



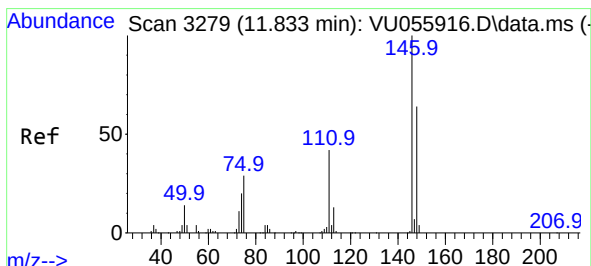
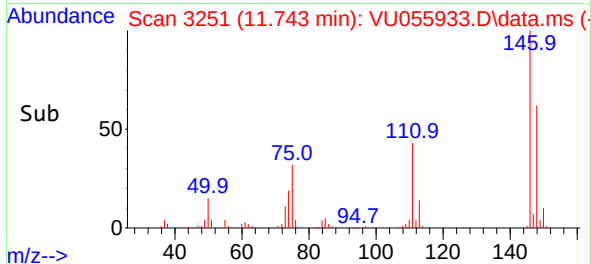
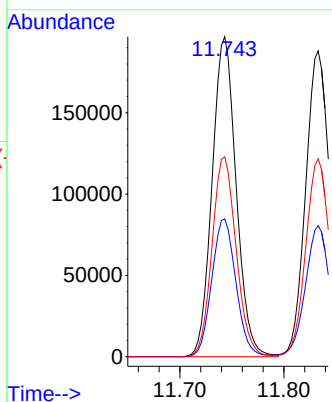


#64
1,3-Dichlorobenzene
Concen: 6.412 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

Instrument :
MSVOA_U
ClientSampleId :

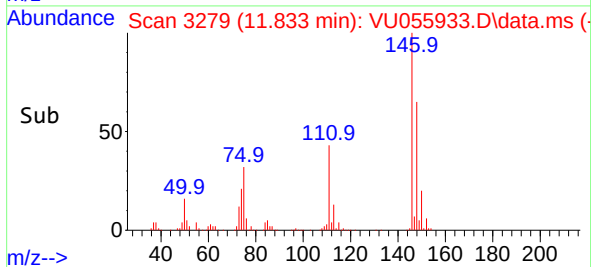
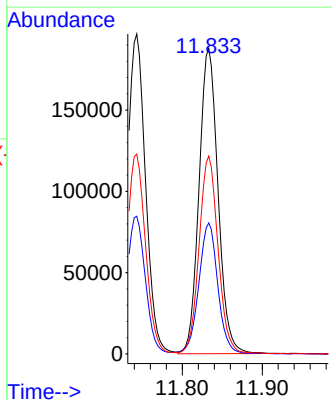
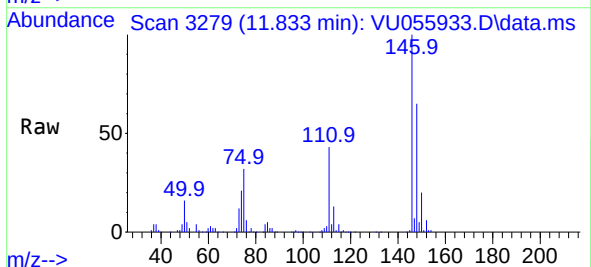


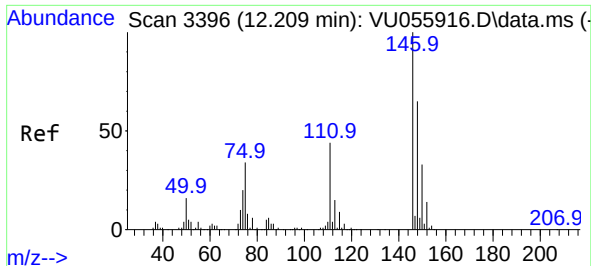
Tgt Ion:146 Resp: 316141
Ion Ratio Lower Upper
146 100
111 43.0 31.1 57.9
148 62.4 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 6.319 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

Tgt Ion:146 Resp: 310922
Ion Ratio Lower Upper
146 100
111 42.8 29.3 54.3
148 64.8 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 6.434 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. -0.000 min

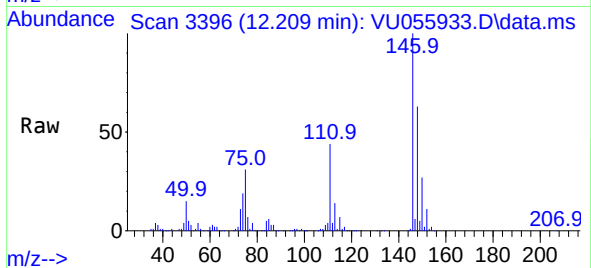
Lab File: VU055933.D

Acq: 27 Oct 2023 19:08

Instrument :

MSVOA_U

ClientSampleId :



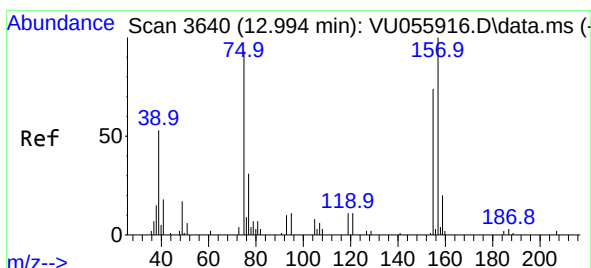
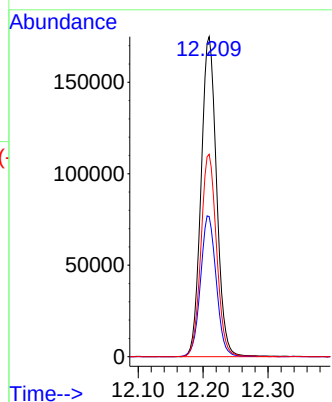
Tgt Ion:146 Resp: 291257

Ion	Ratio	Lower	Upper
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146	100		
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111	43.8	36.7	55.1
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148	63.2	51.0	76.4
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#68

1,2-Dibromo-3-chloropropane

Concen: 7.353 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.000 min

Lab File: VU055933.D

Acq: 27 Oct 2023 19:08

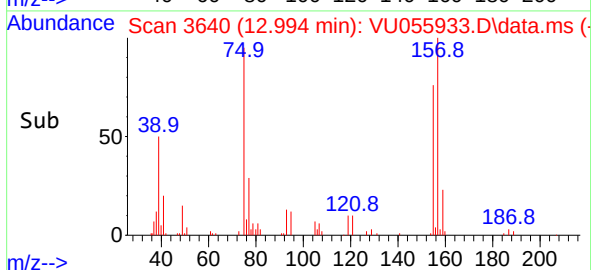
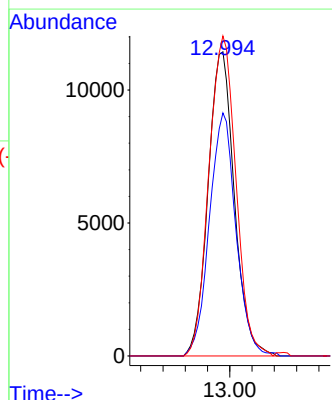
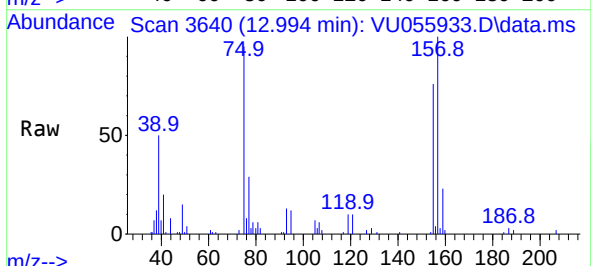
Tgt Ion: 75 Resp: 18800

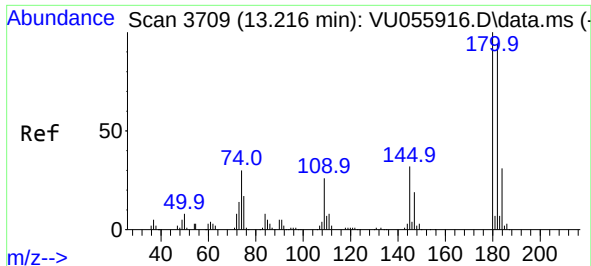
Ion	Ratio	Lower	Upper
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75	100		
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155	79.9	65.3	97.9
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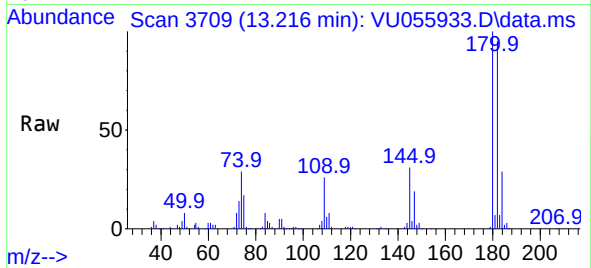
157	105.2	87.9	131.9
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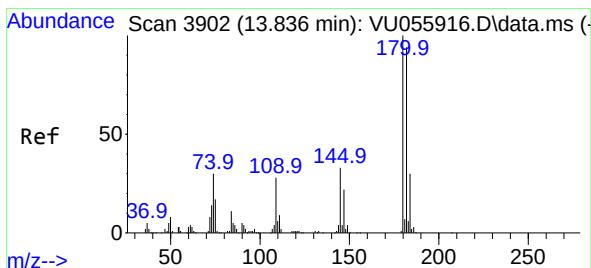
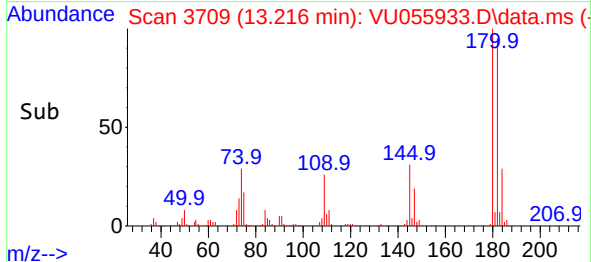
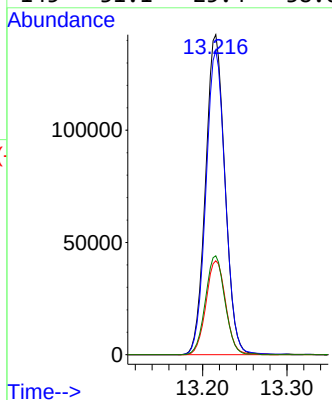


#69
 1,3,5-Trichlorobenzene
 Concen: 6.763 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. -0.000 min
 Lab File: VU055933.D
 Acq: 27 Oct 2023 19:08

Instrument :
 MSVOA_U
 ClientSampleId :

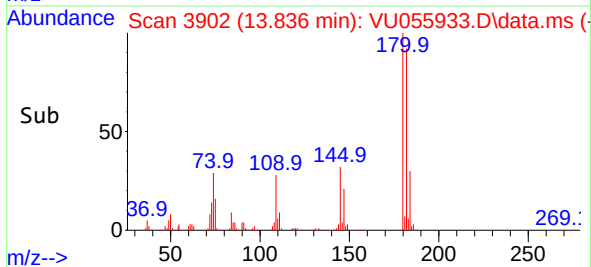
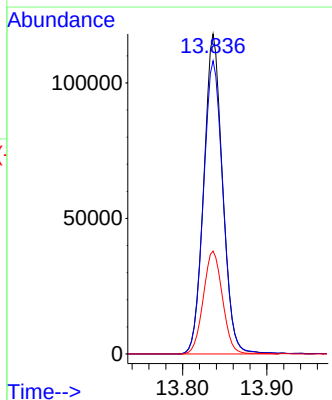
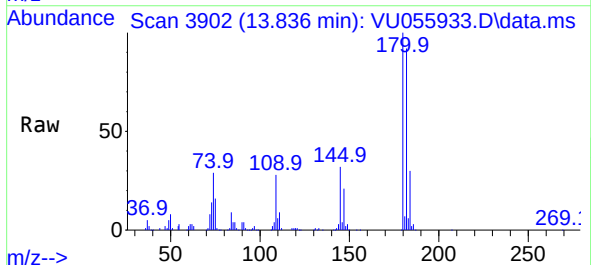


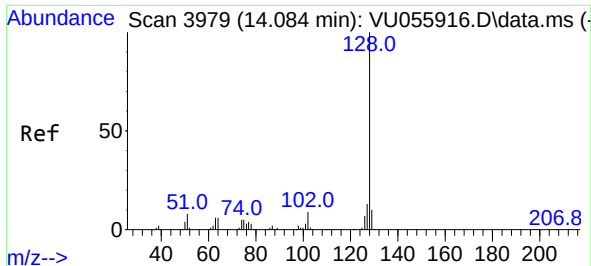
Tgt Ion:180 Resp: 227837
 Ion Ratio Lower Upper
 180 100
 182 95.0 74.7 112.1
 184 29.9 23.8 35.8
 145 31.1 25.4 38.0



#70
 1,2,4-trichlorobenzene
 Concen: 7.364 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU055933.D
 Acq: 27 Oct 2023 19:08

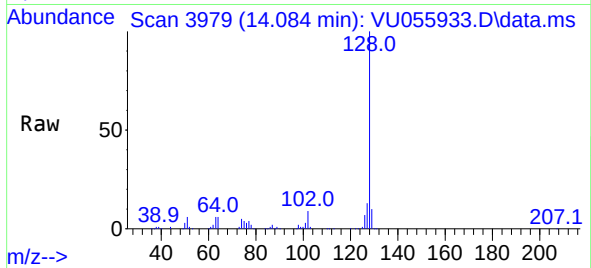
Tgt Ion:180 Resp: 183370
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.1 114.1
 145 32.6 26.4 39.6



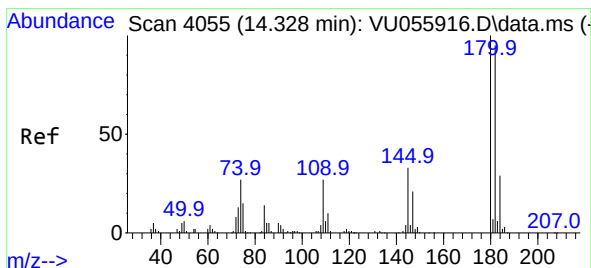
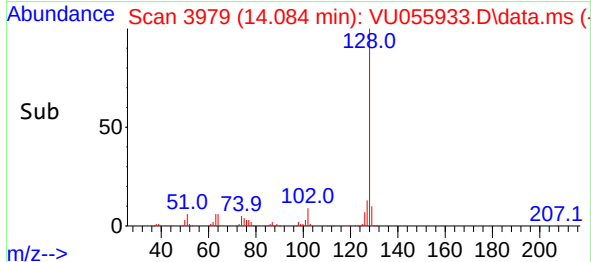
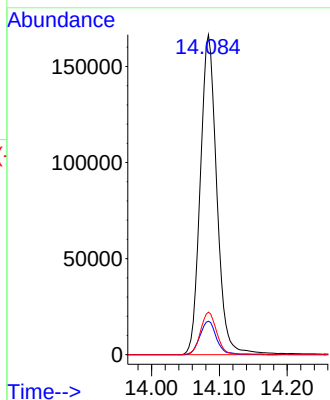


#71
Naphthalene
Concen: 7.819 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 281941
Ion Ratio Lower Upper
128 100
129 10.5 8.3 12.5
127 13.0 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 7.494 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU055933.D
Acq: 27 Oct 2023 19:08

Tgt Ion:180 Resp: 160897
Ion Ratio Lower Upper
180 100
182 93.0 74.6 112.0
145 33.7 27.4 41.2

