

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103023\
 Data File : VU055987.D
 Acq On : 30 Oct 2023 10:01
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 31 05:25:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Oct 30 04:51:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	339558	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	330610	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	171493	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	100668	3.748	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.000%
7) Chloroethane-d5	1.911	69	93956	4.487	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.567	65	47498	4.165	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.400%
20) 2-Butanone-d5	4.624	46	238727	49.819	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.640%
24) Chloroform-d	5.058	84	240255	4.827	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.698	65	110747	4.567	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	5.724	84	474776	4.821	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
36) 1,2-Dichloropropane-d6	6.685	67	145492	4.984	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.894	98	426140	4.770	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	8.177	79	53369	4.674	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.400%
46) 2-Hexanone-d5	8.631	63	199972	68.992	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	137.980%#
56) 1,1,2,2-Tetrachloroeth...	10.753	84	106880	5.027	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	154864	4.840	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	95539	4.937	ug/L	100
3) Chloromethane	1.518	50	82068	4.441	ug/L	95
5) Vinyl chloride	1.602	62	94109	4.624	ug/L	97
6) Bromomethane	1.856	94	58379	4.630	ug/L	92
8) Chloroethane	1.933	64	58796	4.930	ug/L	97
9) Trichlorofluoromethane	2.139	101	142136	5.063	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	97577	5.292	ug/L	98
12) 1,1-Dichloroethene	2.579	96	84776	5.151	ug/L	83
13) Acetone	2.634	43	126463	46.312	ug/L	95
14) Carbon disulfide	2.792	76	202091	4.796	ug/L	99
15) Methyl Acetate	2.952	43	29137	5.237	ug/L	98
16) Methylene chloride	3.042	84	99126	5.316	ug/L	98
17) Methyl tert-butyl Ether	3.357	73	205386	5.143	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	85718	5.253	ug/L	99
19) 1,1-Dichloroethane	3.865	63	176048	5.314	ug/L	97
21) 2-Butanone	4.705	43	192706	48.007	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	102513	5.189	ug/L	92
23) Bromochloromethane	4.975	128	43773	5.438	ug/L	93
25) Chloroform	5.084	83	186166	5.240	ug/L	99

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 MSVOA_U
 ClientSampleId :

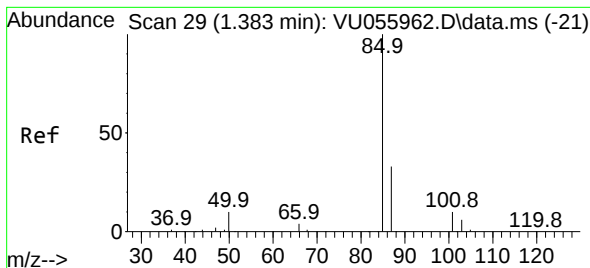
Quant Time: Oct 31 05:25:12 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Oct 30 04:51:15 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	101133	4.845	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	159275	5.286	ug/L	97
30) Cyclohexane	5.383	56	129111	5.078	ug/L	99
31) Carbon tetrachloride	5.521	117	136042	5.293	ug/L	98
33) Benzene	5.772	78	388832	5.329	ug/L	100
34) Trichloroethene	6.541	95	107986	5.291	ug/L	99
35) Methylcyclohexane	6.759	83	146249	5.309	ug/L	97
37) 1,2-Dichloropropane	6.788	63	103900	5.363	ug/L	99
38) Bromodichloromethane	7.100	83	130719	5.375	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	149922	5.432	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	476036	50.976	ug/L	97
42) Toluene	7.965	91	415805	5.453	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	120420	5.405	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	72224	5.302	ug/L	97
47) Tetrachloroethene	8.550	164	80335	5.621	ug/L	96
48) 2-Hexanone	8.682	43	378590	51.561	ug/L	99
49) Dibromochloromethane	8.804	129	82934	5.546	ug/L	96
50) 1,2-Dibromoethane	8.920	107	64504	5.219	ug/L	97
51) Chlorobenzene	9.444	112	270582	5.415	ug/L	99
52) Ethylbenzene	9.569	91	468733	5.423	ug/L	100
53) m,p-Xylene	9.692	106	176793	5.473	ug/L	93
54) o-Xylene	10.097	106	170915	5.407	ug/L	97
55) Styrene	10.113	104	295991	5.842	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	86247	5.470	ug/L	97
59) Bromoform	10.286	173	48273	5.533	ug/L	95
60) Isopropylbenzene	10.479	105	467750	5.474	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	60205	5.114	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	379227	5.430	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	377150	5.813	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	228654	5.644	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	224496	5.553	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	206310	5.547	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	12248	5.830	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	172272	6.223	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	142334	6.956	ug/L	99
71) Naphthalene	14.084	128	197339	6.660	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	118645	6.726	ug/L	98

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

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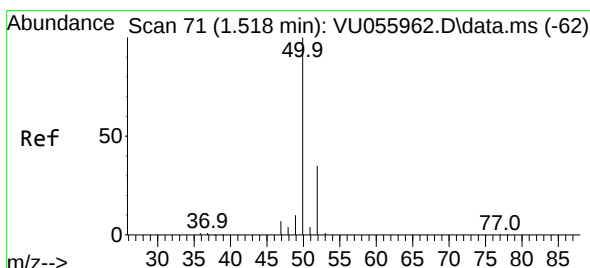
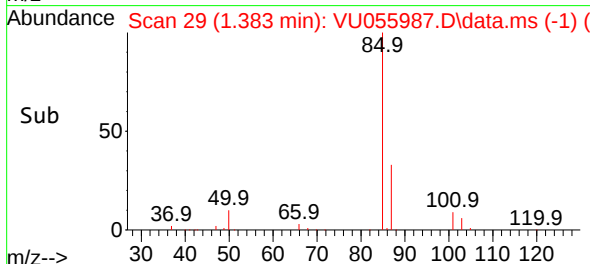
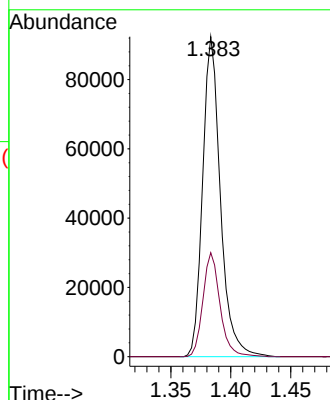
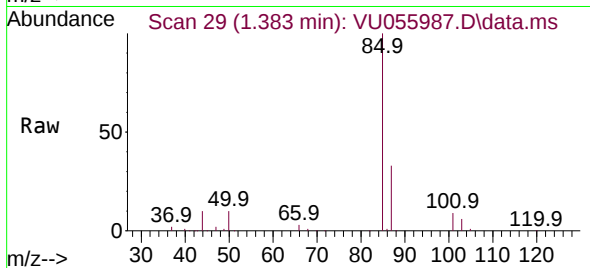




#2
 Dichlorodifluoromethane
 Concen: 4.937 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055987.D
 Acq: 30 Oct 2023 10:01

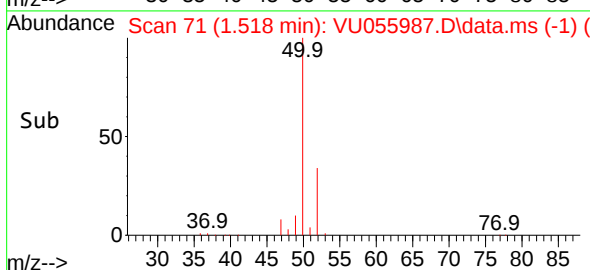
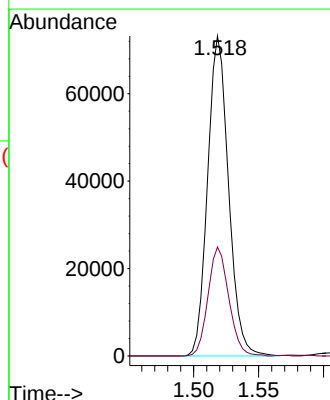
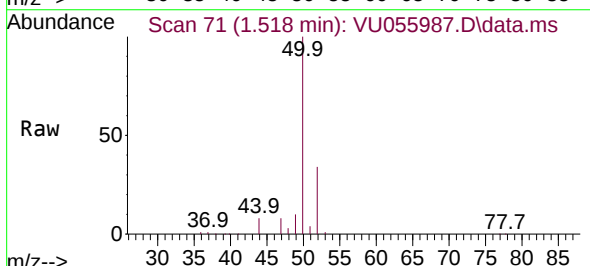
Instrument :
 MSVOA_U
 ClientSampleId :

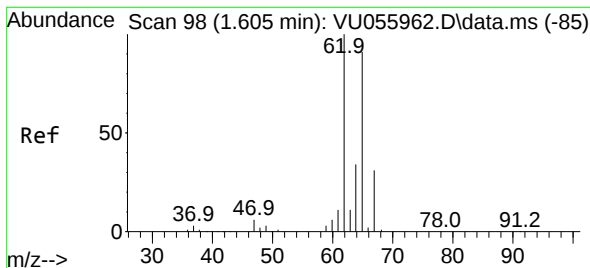
Tgt Ion: 85 Resp: 95539
 Ion Ratio Lower Upper
 85 100
 87 31.3 25.0 37.4



#3
 Chloromethane
 Concen: 4.441 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU055987.D
 Acq: 30 Oct 2023 10:01

Tgt Ion: 50 Resp: 82068
 Ion Ratio Lower Upper
 50 100
 52 34.1 22.0 40.8





#5

Vinyl chloride

Concen: 4.624 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.003 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

Instrument :

MSVOA_U

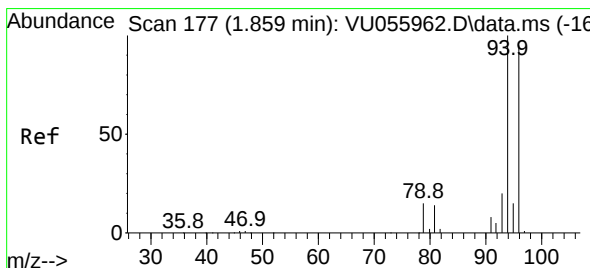
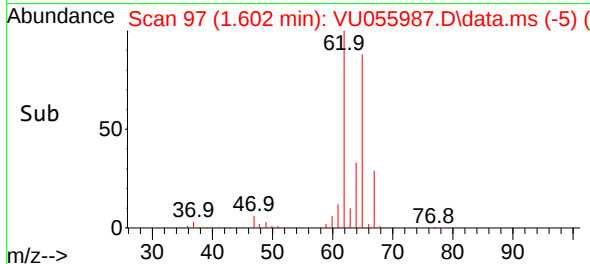
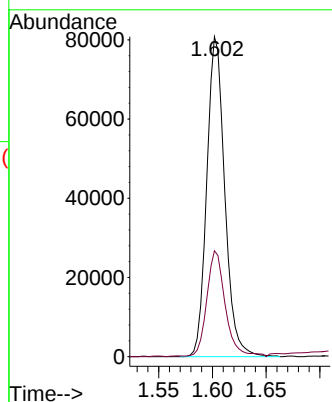
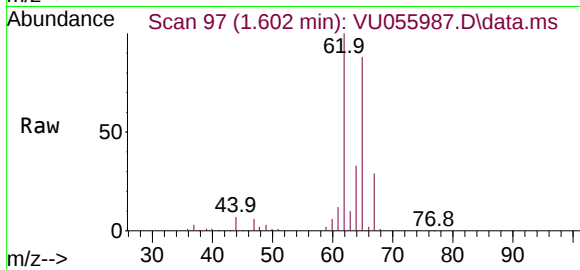
ClientSampleId :

Tgt Ion: 62 Resp: 94109

Ion Ratio Lower Upper

62 100

64 33.1 24.2 45.0



#6

Bromomethane

Concen: 4.630 ug/L

RT: 1.856 min Scan# 176

Delta R.T. -0.003 min

Lab File: VU055987.D

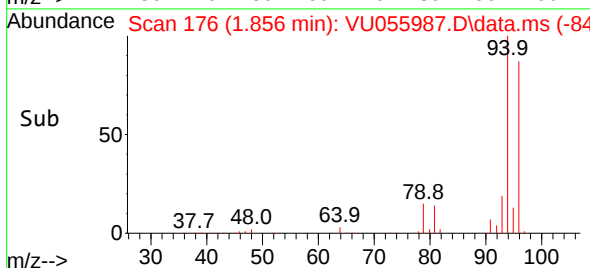
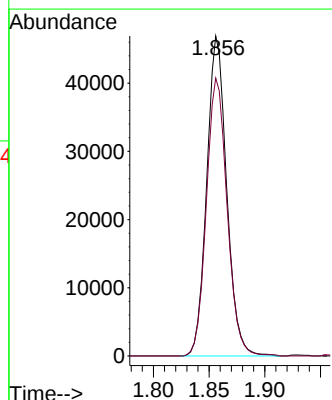
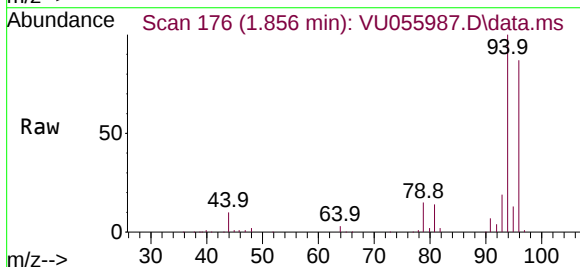
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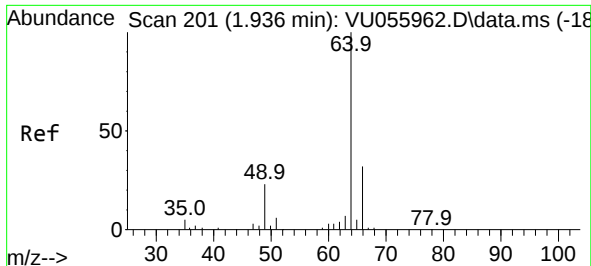
Tgt Ion: 94 Resp: 58379

Ion Ratio Lower Upper

94 100

96 86.8 65.9 122.5





#8

Chloroethane

Concen: 4.930 ug/L

RT: 1.933 min Scan# 201

Delta R.T. -0.003 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

Instrument :

MSVOA_U

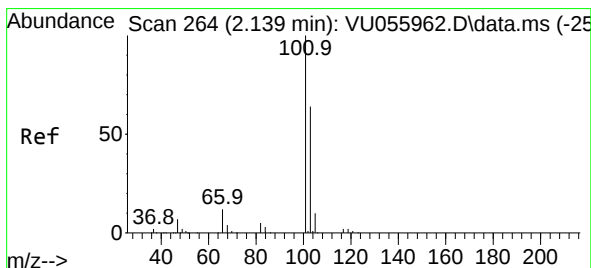
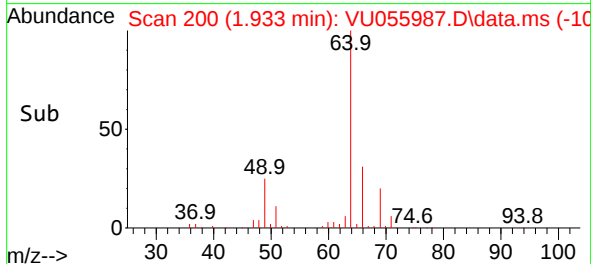
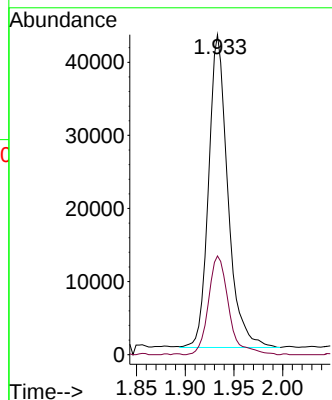
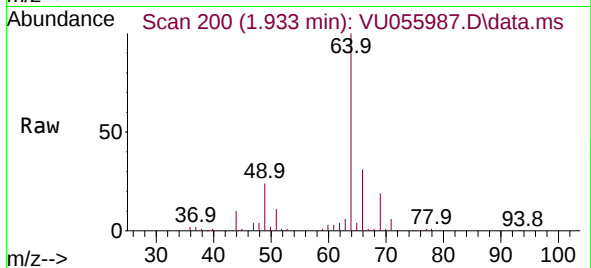
ClientSampleId :

Tgt Ion: 64 Resp: 58796

Ion Ratio Lower Upper

64 100

66 30.9 22.7 42.1



#9

Trichlorofluoromethane

Concen: 5.063 ug/L

RT: 2.139 min Scan# 264

Delta R.T. -0.000 min

Lab File: VU055987.D

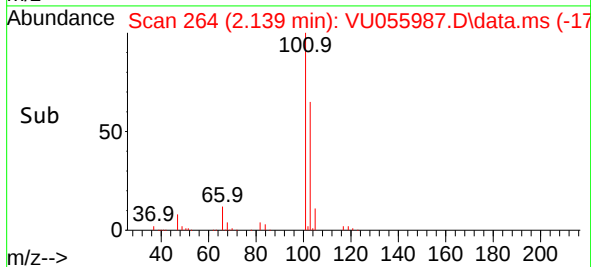
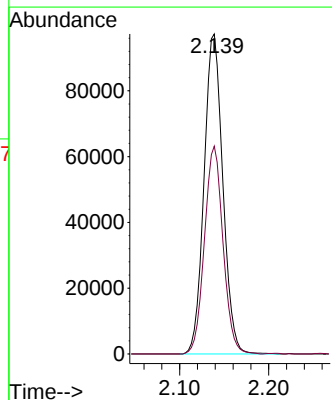
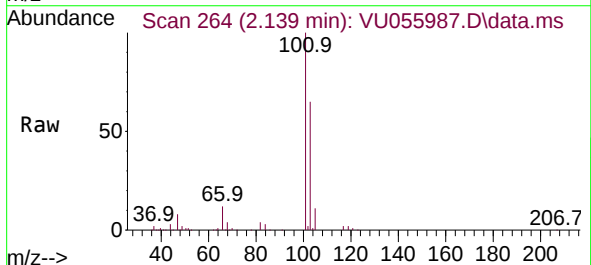
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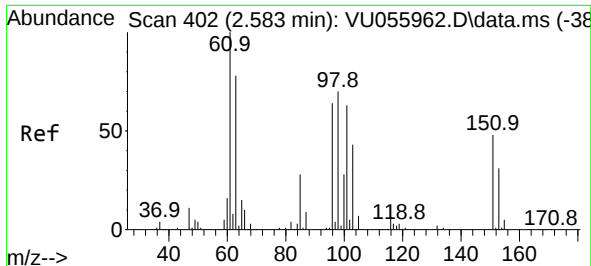
Tgt Ion:101 Resp: 142136

Ion Ratio Lower Upper

101 100

103 64.2 52.2 78.2

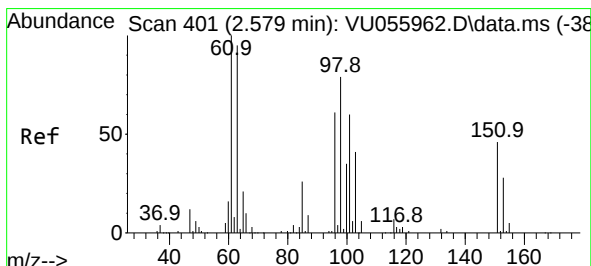
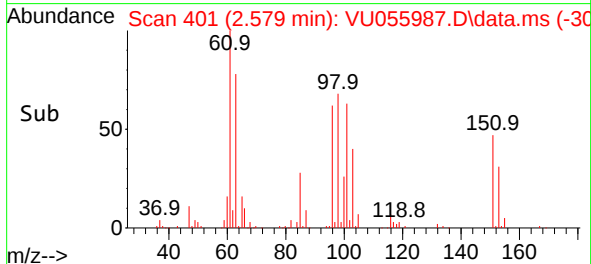
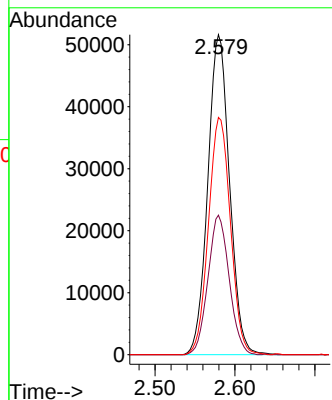
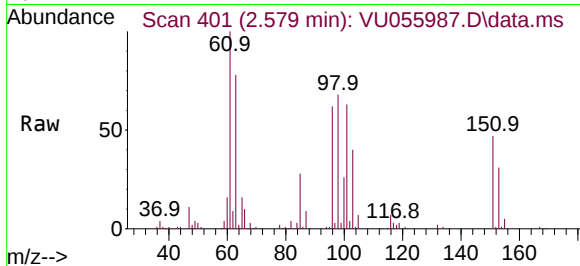




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.292 ug/L
RT: 2.579 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

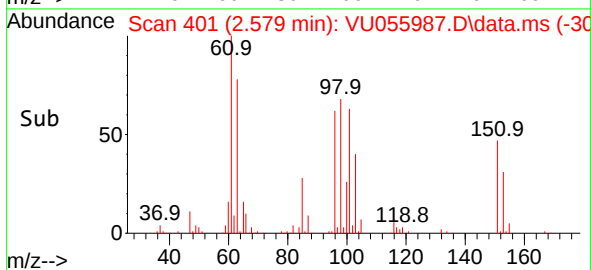
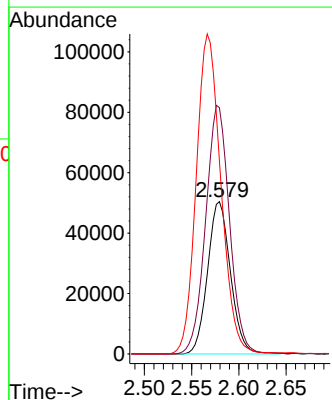
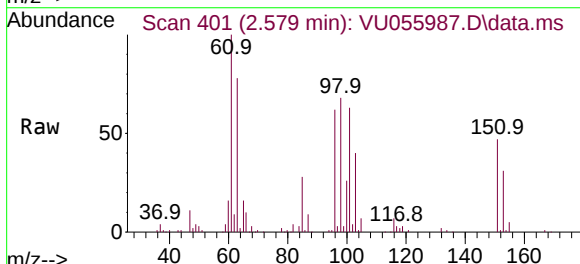
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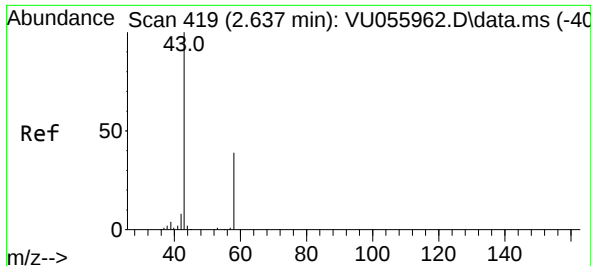
Tgt Ion:101 Resp: 97577
Ion Ratio Lower Upper
101 100
85 42.6 34.4 51.6
151 74.9 58.4 87.6



#12
1,1-Dichloroethene
Concen: 5.151 ug/L
RT: 2.579 min Scan# 401
Delta R.T. -0.000 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

Tgt Ion: 96 Resp: 84776
Ion Ratio Lower Upper
96 100
61 161.8 123.8 230.0
63 126.9 111.0 206.2





#13

Acetone

Concen: 46.312 ug/L

RT: 2.634 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

Instrument :

MSVOA_U

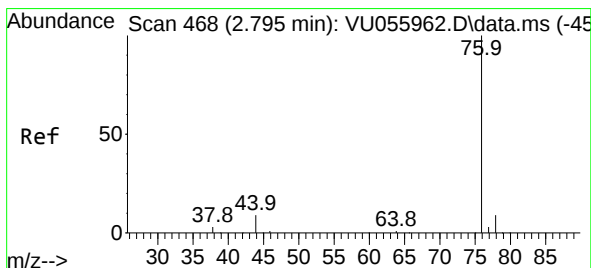
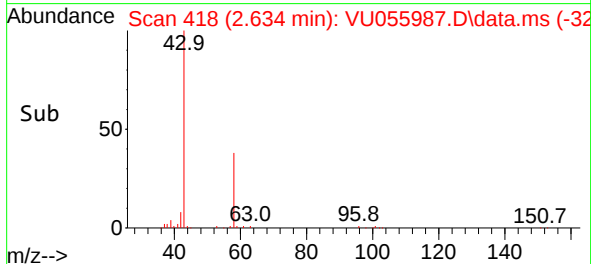
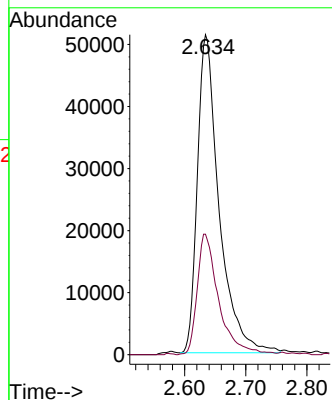
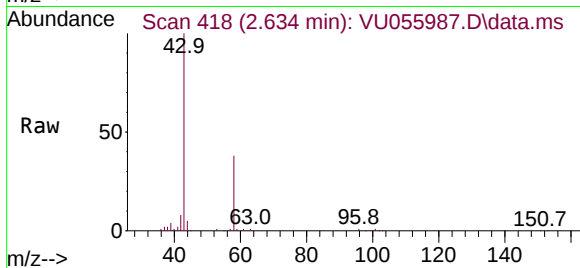
ClientSampleId :

Tgt Ion: 43 Resp: 126463

Ion Ratio Lower Upper

43 100

58 37.6 0.0 69.0



#14

Carbon disulfide

Concen: 4.796 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.003 min

Lab File: VU055987.D

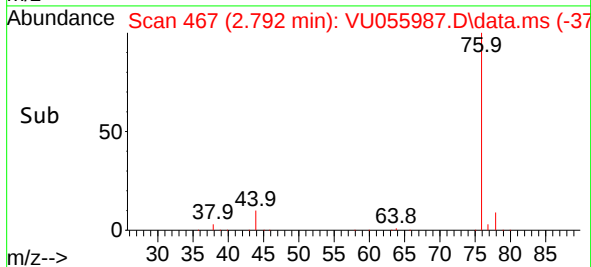
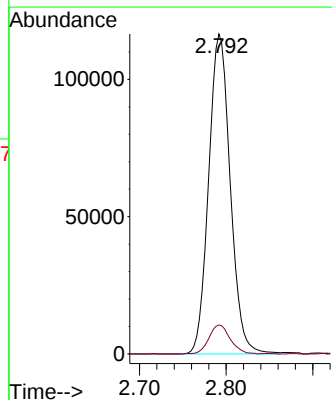
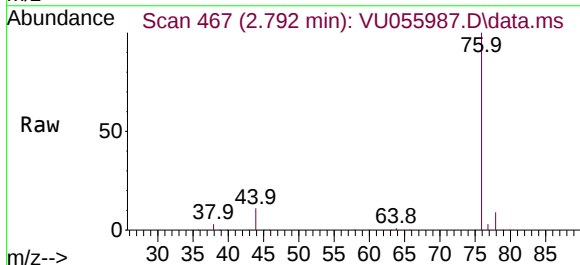
Acq: 30 Oct 2023 10:01

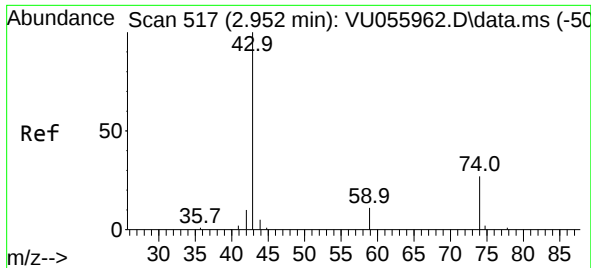
Tgt Ion: 76 Resp: 202091

Ion Ratio Lower Upper

76 100

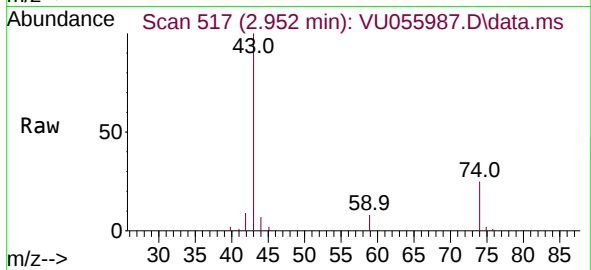
78 9.1 7.5 11.3



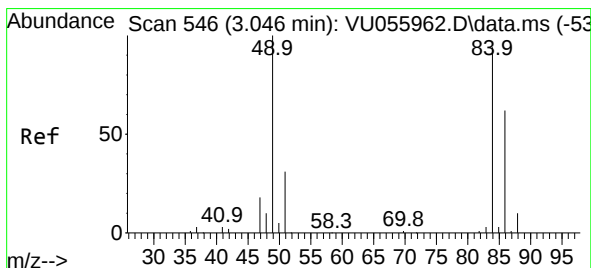
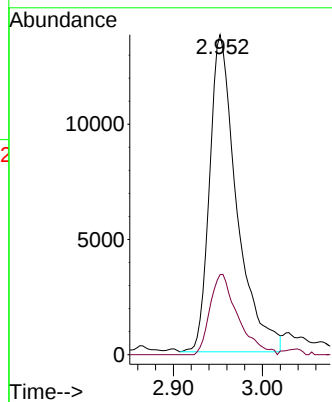
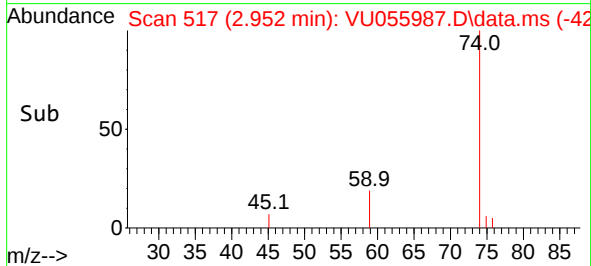


#15
Methyl Acetate
Concen: 5.237 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.000 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

Instrument :
MSVOA_U
ClientSampleId :

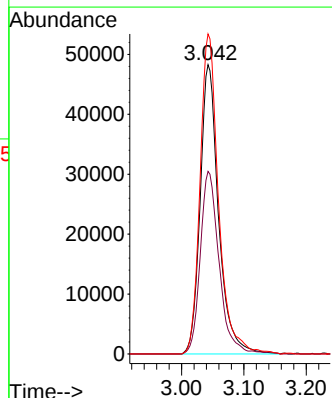
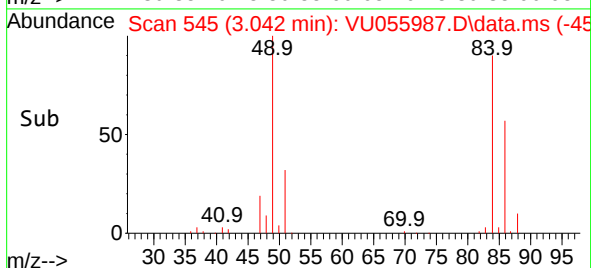
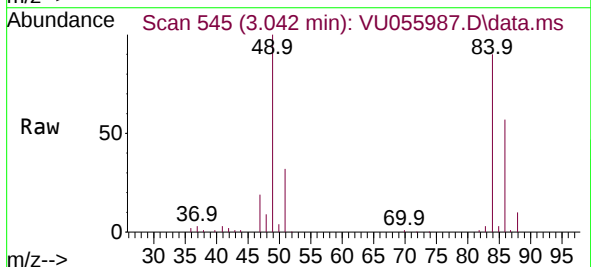


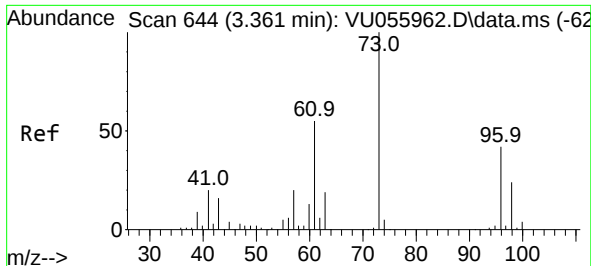
Tgt Ion: 43 Resp: 29137
Ion Ratio Lower Upper
43 100
74 25.9 19.9 29.9



#16
Methylene chloride
Concen: 5.316 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.003 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

Tgt Ion: 84 Resp: 99126
Ion Ratio Lower Upper
84 100
86 63.1 45.2 84.0
49 110.6 78.8 146.3

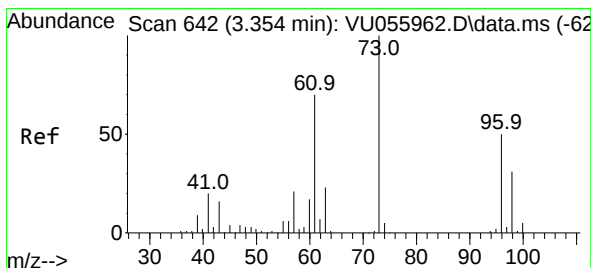
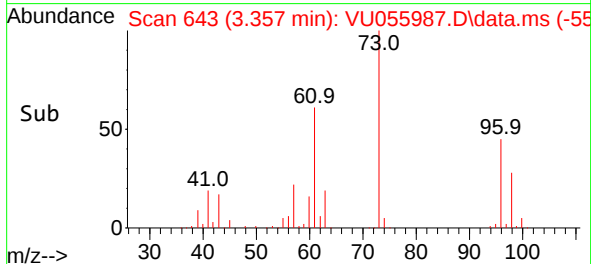
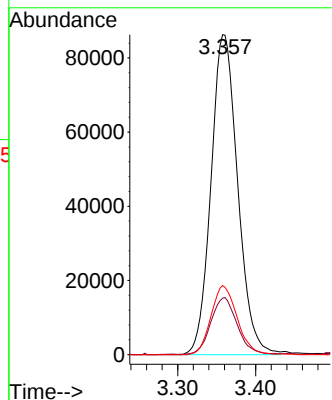
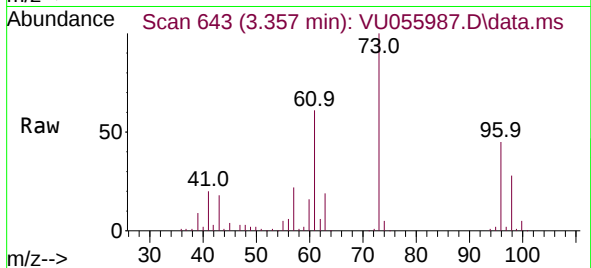




#17
Methyl tert-butyl Ether
Concen: 5.143 ug/L
RT: 3.357 min Scan# 644
Delta R.T. -0.003 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

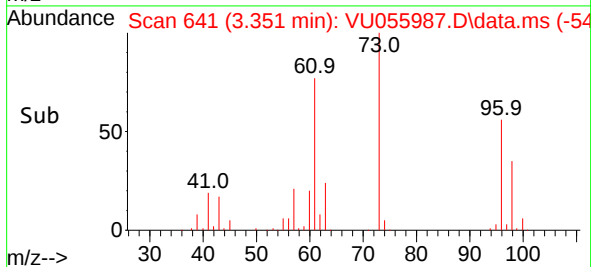
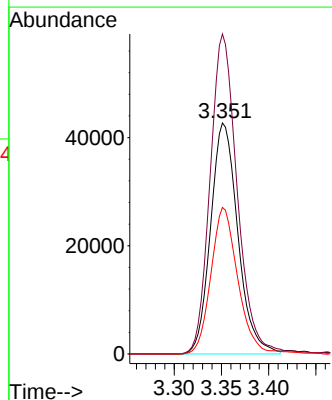
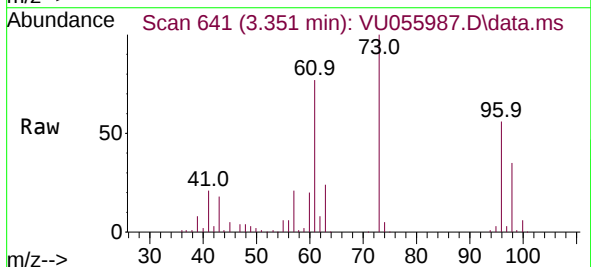
Instrument :
MSVOA_U
ClientSampleId :

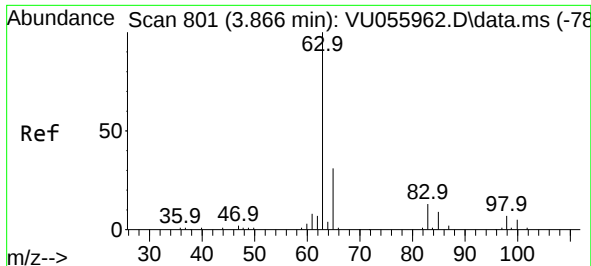
Tgt Ion: 73 Resp: 205386
Ion Ratio Lower Upper
73 100
43 17.3 14.4 21.6
57 21.1 17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 5.253 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

Tgt Ion: 96 Resp: 85718
Ion Ratio Lower Upper
96 100
61 138.5 97.5 181.1
98 63.4 42.7 79.3





#19

1,1-Dichloroethane

Concen: 5.314 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

Instrument :

MSVOA_U

ClientSampleId :

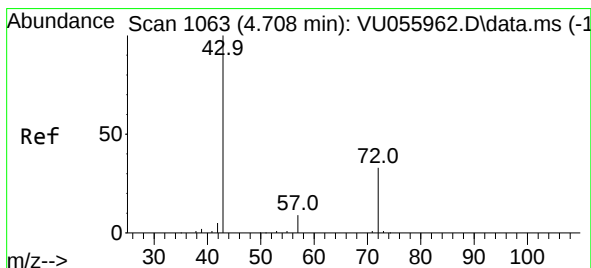
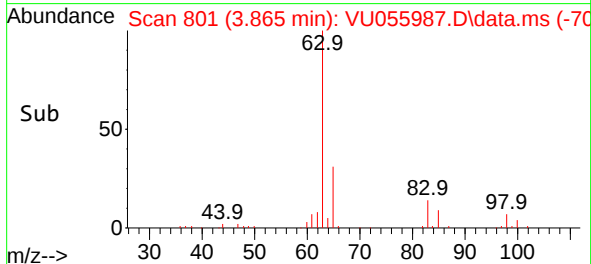
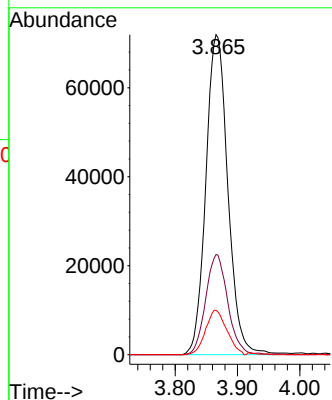
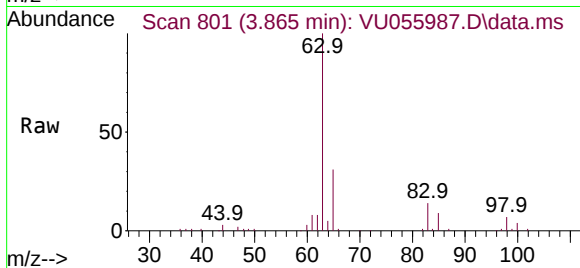
Tgt Ion: 63 Resp: 176048

Ion Ratio Lower Upper

63 100

65 31.3 23.3 43.3

83 13.8 10.5 19.5



#21

2-Butanone

Concen: 48.007 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. -0.003 min

Lab File: VU055987.D

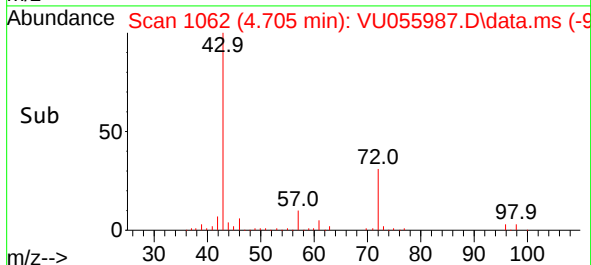
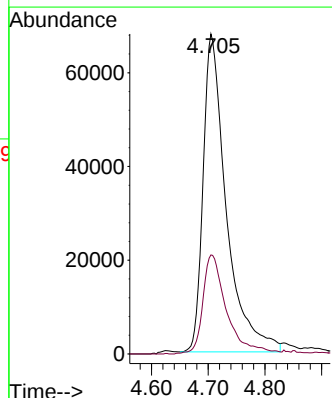
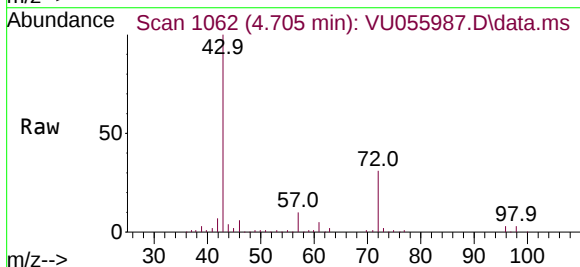
Acq: 30 Oct 2023 10:01

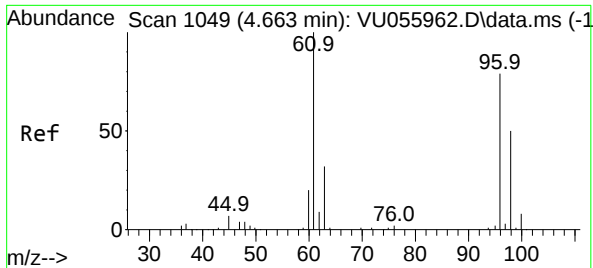
Tgt Ion: 43 Resp: 192706

Ion Ratio Lower Upper

43 100

72 32.0 14.4 43.4

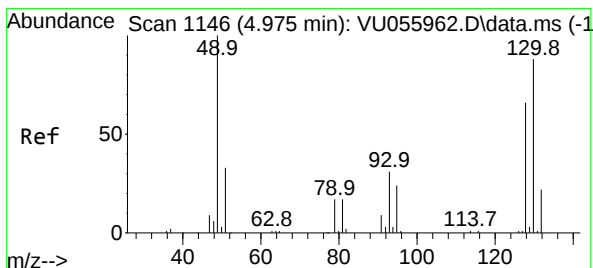
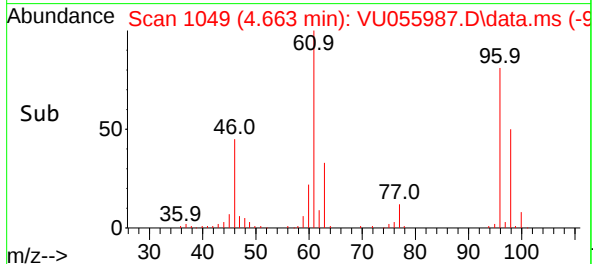
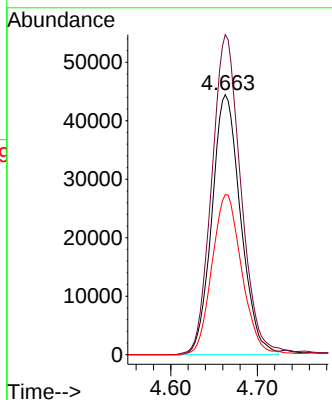
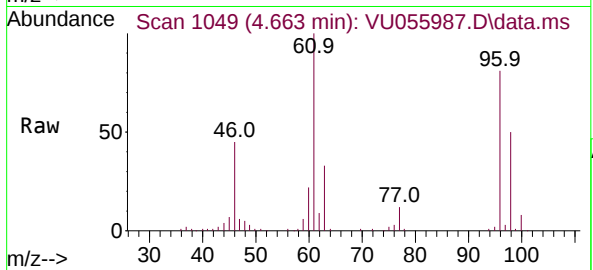




#22
 cis-1,2-Dichloroethene
 Concen: 5.189 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU055987.D
 Acq: 30 Oct 2023 10:01

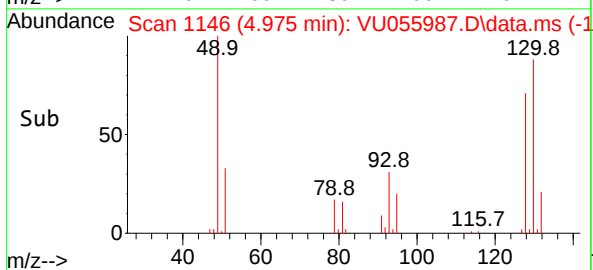
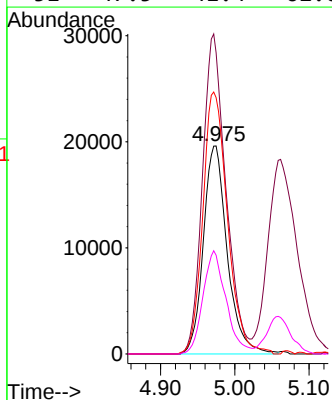
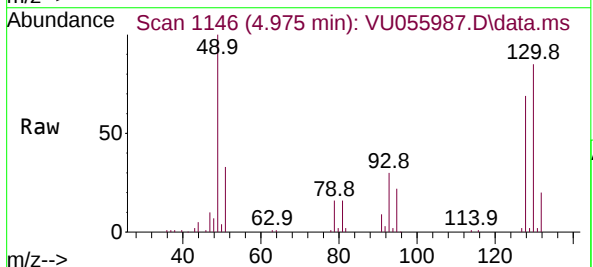
Instrument :
 MSVOA_U
 ClientSampleId :

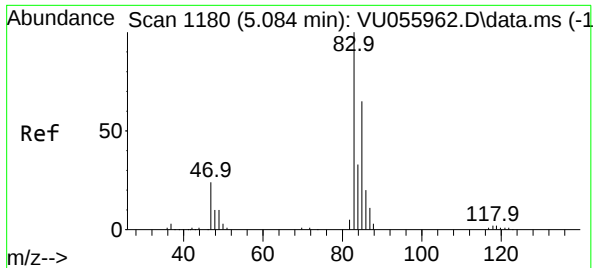
Tgt Ion: 96 Resp: 102513
 Ion Ratio Lower Upper
 96 100
 61 123.1 93.8 174.2
 98 61.6 45.6 84.8



#23
 Bromochloromethane
 Concen: 5.438 ug/L
 RT: 4.975 min Scan# 1146
 Delta R.T. -0.000 min
 Lab File: VU055987.D
 Acq: 30 Oct 2023 10:01

Tgt Ion: 128 Resp: 43773
 Ion Ratio Lower Upper
 128 100
 49 144.8 108.7 201.9
 130 123.3 91.5 169.9
 51 47.5 41.4 62.0





#25

Chloroform

Concen: 5.240 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

Instrument :

MSVOA_U

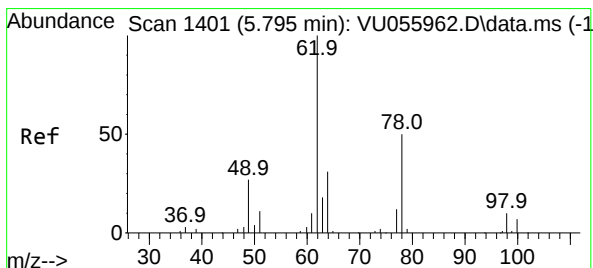
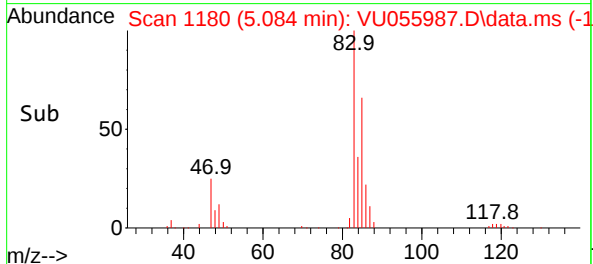
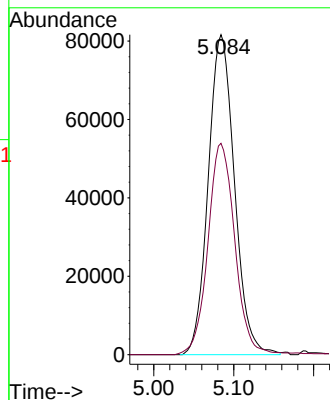
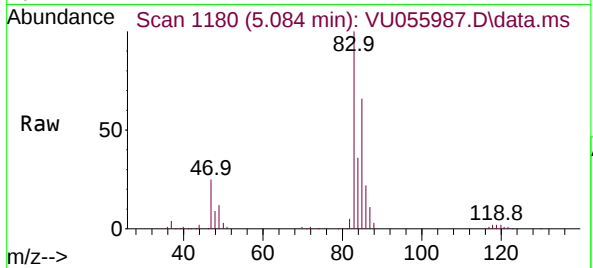
ClientSampleId :

Tgt Ion: 83 Resp: 186166

Ion Ratio Lower Upper

83 100

85 66.0 45.6 84.8



#27

1,2-Dichloroethane

Concen: 4.845 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. -0.003 min

Lab File: VU055987.D

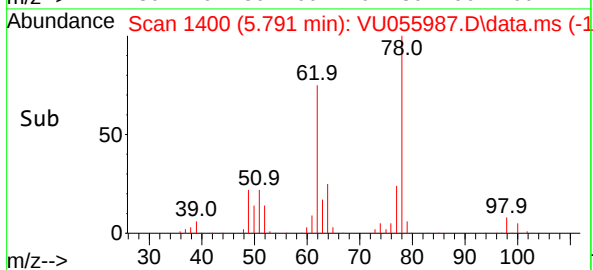
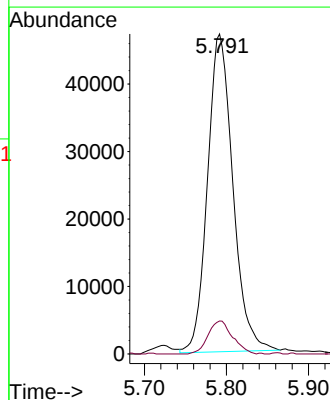
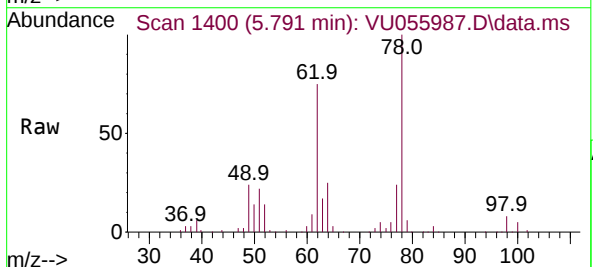
Acq: 30 Oct 2023 10:01

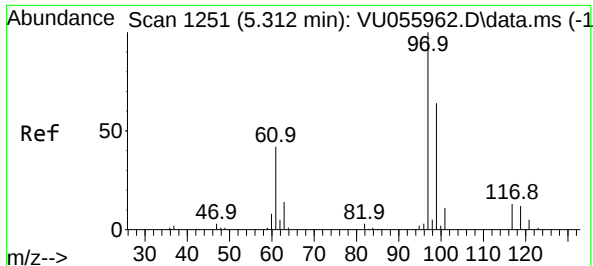
Tgt Ion: 62 Resp: 101133

Ion Ratio Lower Upper

62 100

98 10.3 7.4 11.2

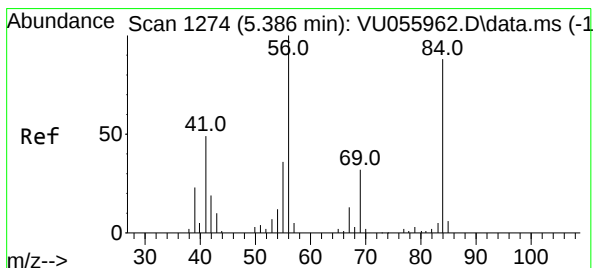
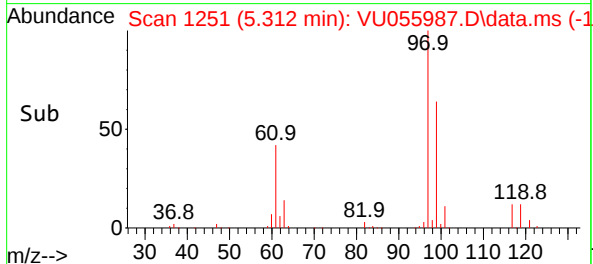
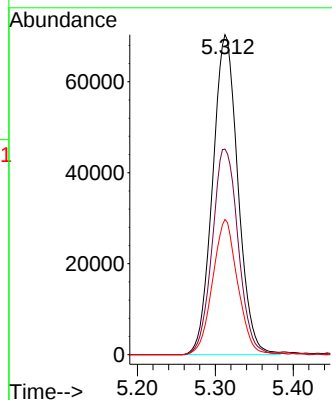
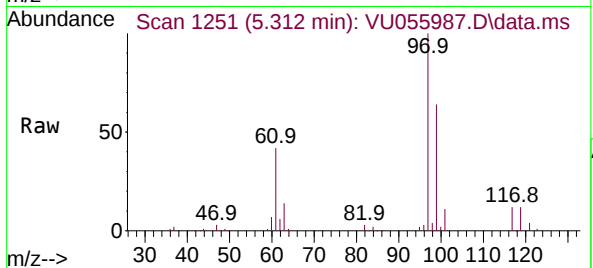




#29
1,1,1-Trichloroethane
Concen: 5.286 ug/L
RT: 5.312 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

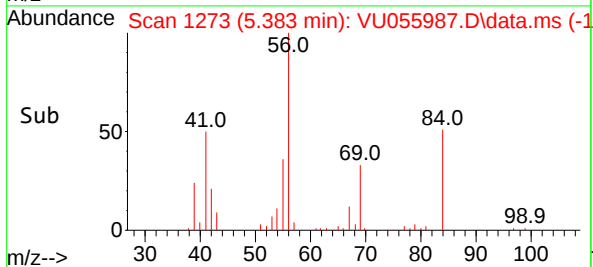
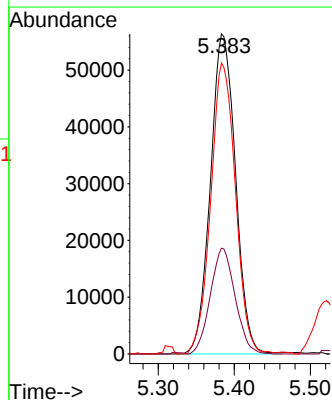
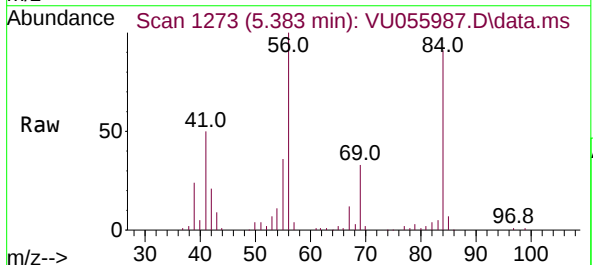
Instrument :
MSVOA_U
ClientSampleId :

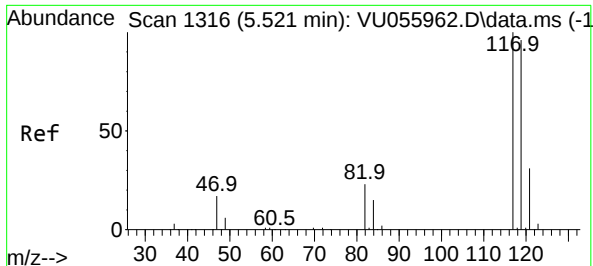
Tgt Ion: 97 Resp: 159275
Ion Ratio Lower Upper
97 100
99 65.8 50.8 76.2
61 41.9 35.0 52.4



#30
Cyclohexane
Concen: 5.078 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.003 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

Tgt Ion: 56 Resp: 129111
Ion Ratio Lower Upper
56 100
69 32.6 25.4 38.2
84 89.5 71.0 106.6

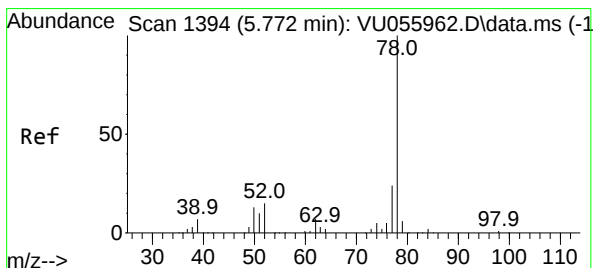
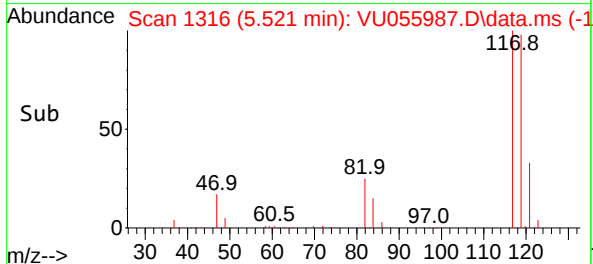
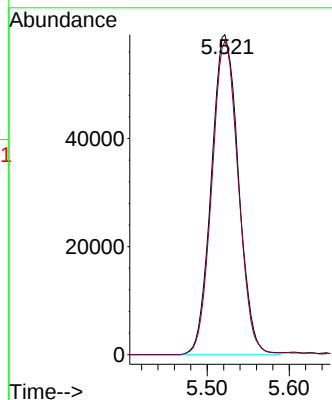
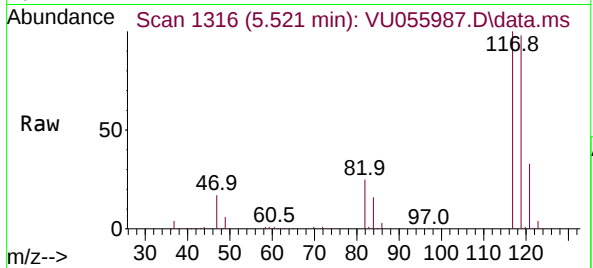




#31
Carbon tetrachloride
Concen: 5.293 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

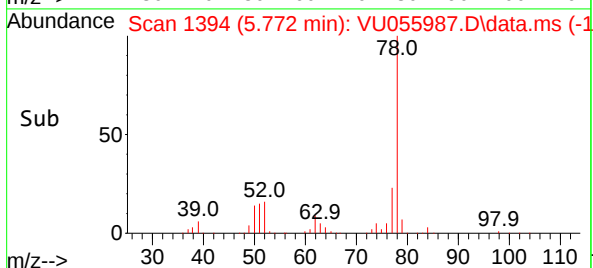
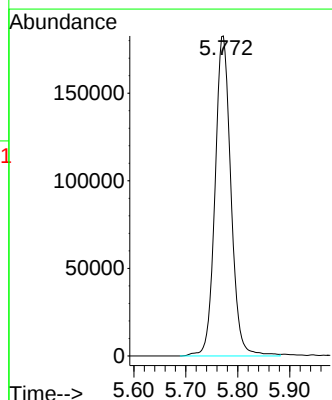
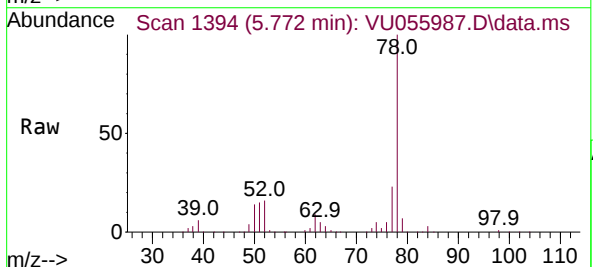
Instrument :
MSVOA_U
ClientSampleId :

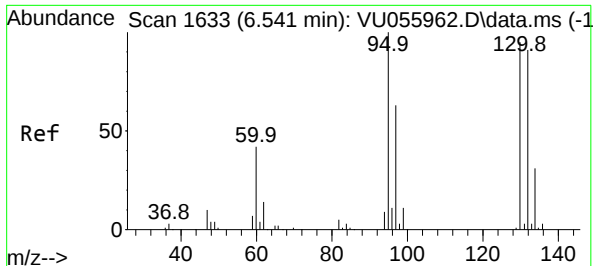
Tgt Ion:117 Resp: 136042
Ion Ratio Lower Upper
117 100
119 95.4 75.1 112.7



#33
Benzene
Concen: 5.329 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

Tgt Ion: 78 Resp: 388832





#34

Trichloroethene

Concen: 5.291 ug/L

RT: 6.541 min Scan# 1

Delta R.T. -0.000 min

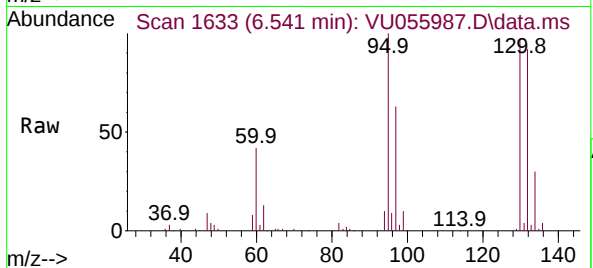
Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 107986

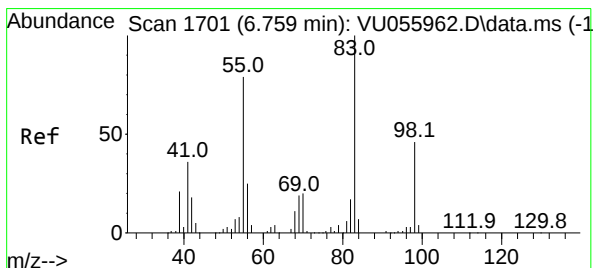
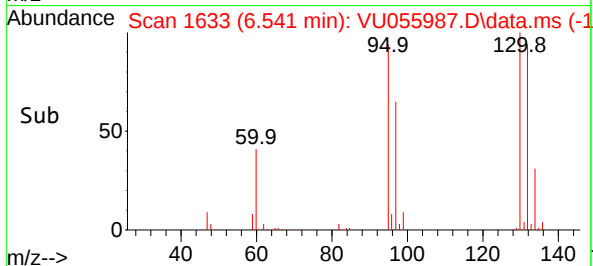
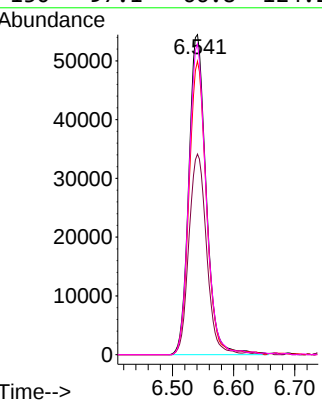
Ion Ratio Lower Upper

95 100

97 62.7 45.4 84.2

132 91.7 63.9 118.7

130 97.1 66.8 124.2



#35

Methylcyclohexane

Concen: 5.309 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

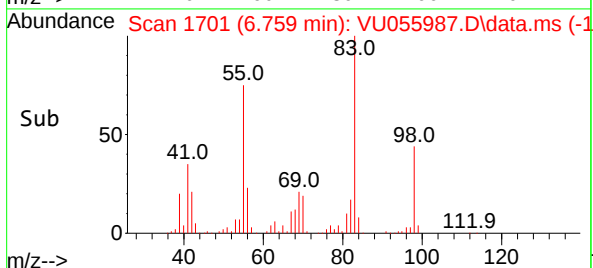
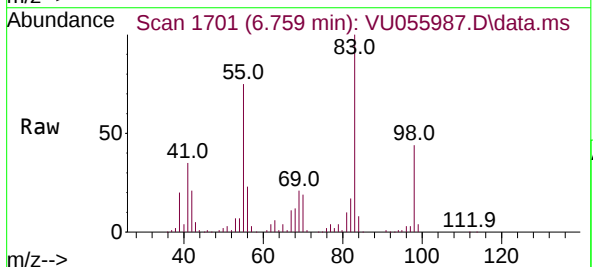
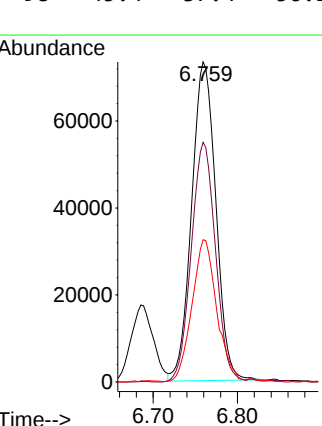
Tgt Ion: 83 Resp: 146249

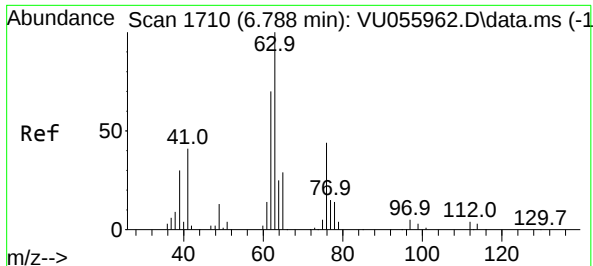
Ion Ratio Lower Upper

83 100

55 75.3 62.4 93.6

98 45.4 37.4 56.2

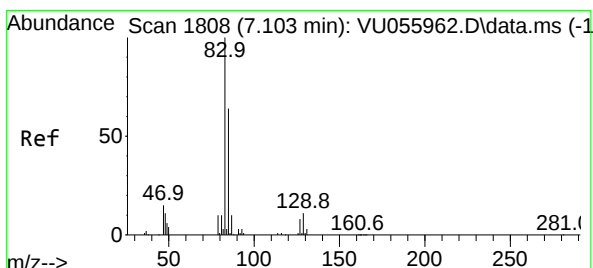
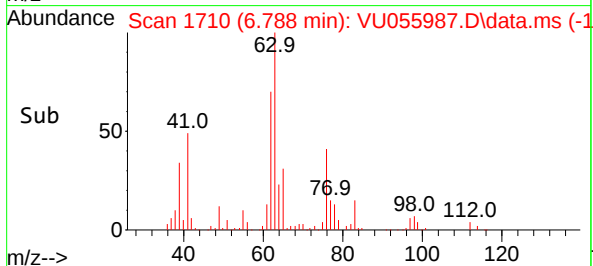
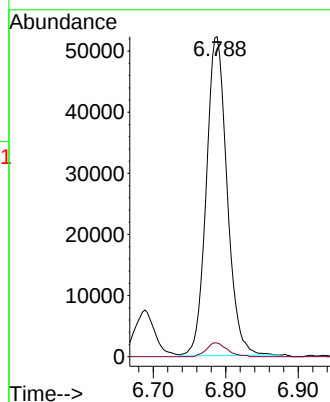
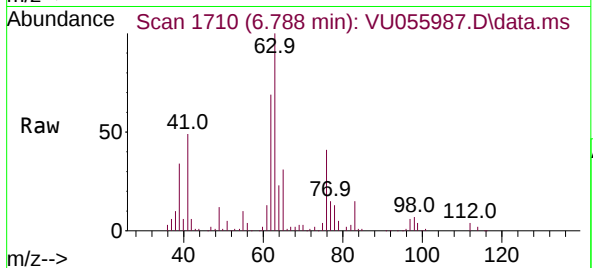




#37
1,2-Dichloropropane
Concen: 5.363 ug/L
RT: 6.788 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

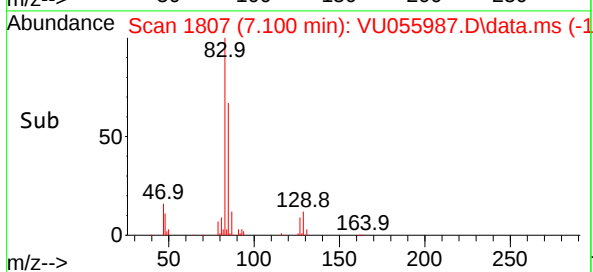
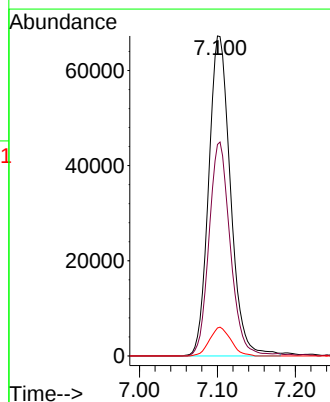
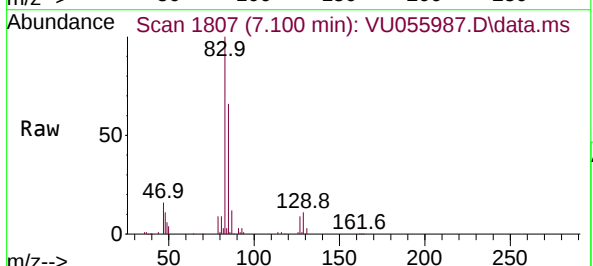
Instrument :
MSVOA_U
ClientSampleId :

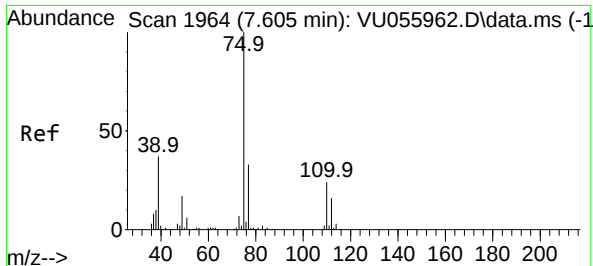
Tgt Ion: 63 Resp: 103900
Ion Ratio Lower Upper
63 100
112 4.3 3.1 4.7



#38
Bromodichloromethane
Concen: 5.375 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.003 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

Tgt Ion: 83 Resp: 130719
Ion Ratio Lower Upper
83 100
85 66.1 44.9 83.3
127 8.8 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 5.432 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

Instrument :

MSVOA_U

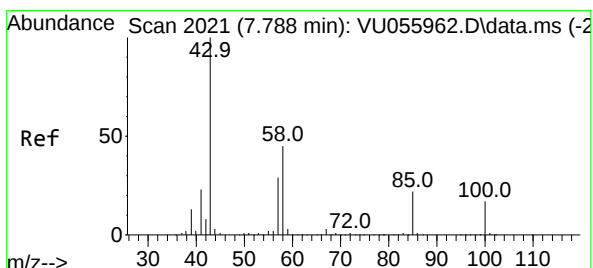
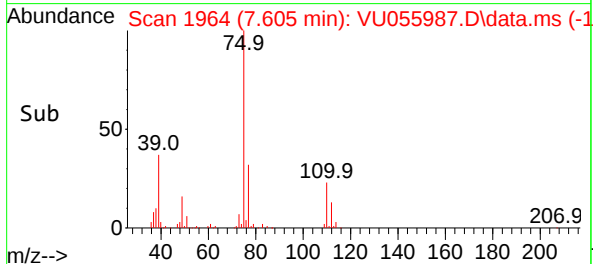
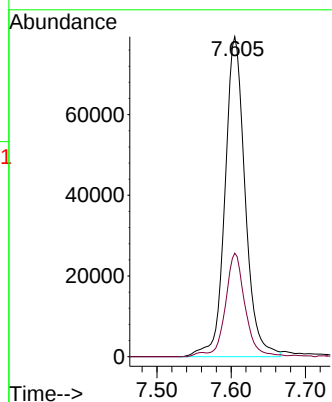
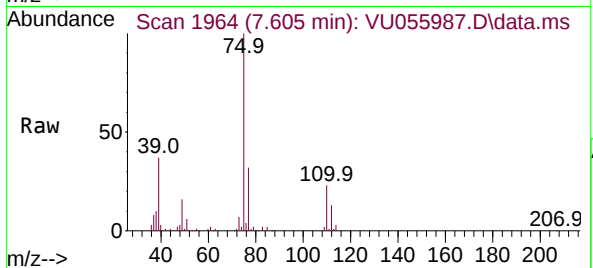
ClientSampleId :

Tgt Ion: 75 Resp: 149922

Ion Ratio Lower Upper

75 100

77 32.3 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 50.976 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

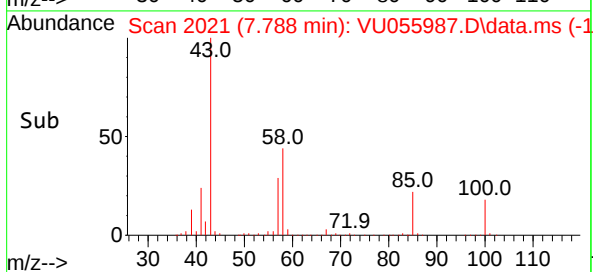
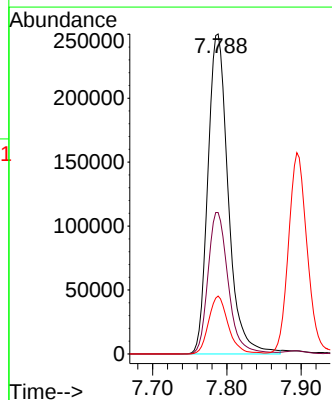
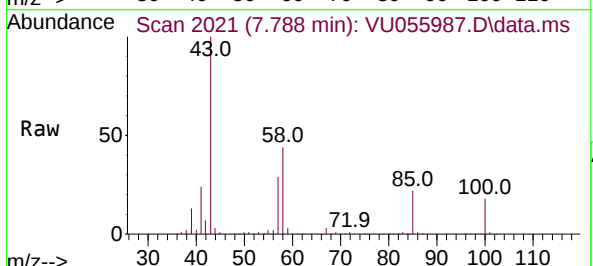
Tgt Ion: 43 Resp: 476036

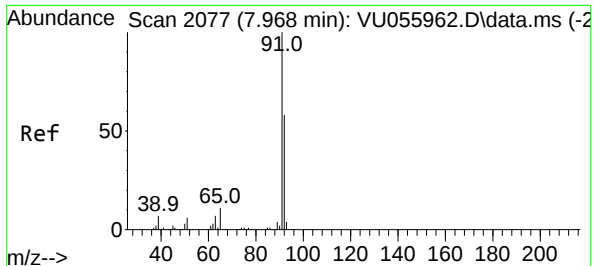
Ion Ratio Lower Upper

43 100

58 44.2 34.0 51.0

100 17.5 13.0 19.6





#42

Toluene

Concen: 5.453 ug/L

RT: 7.965 min Scan# 2077

Delta R.T. -0.003 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

Instrument :

MSVOA_U

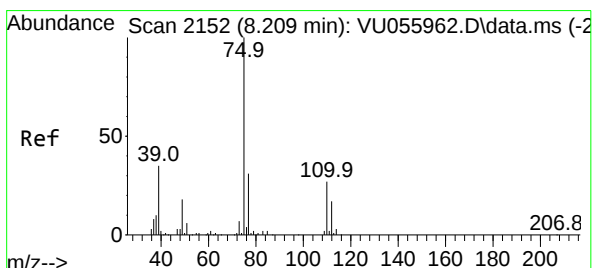
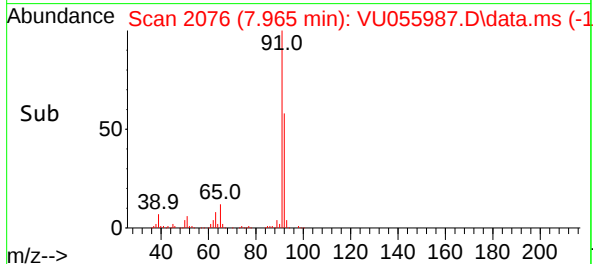
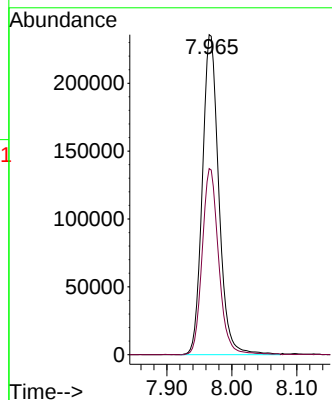
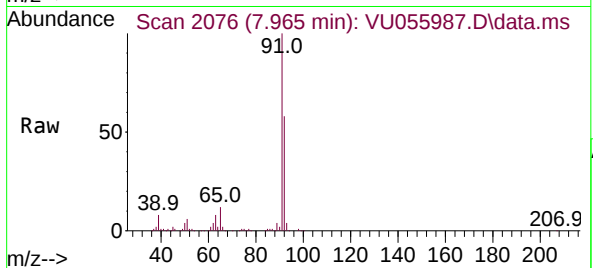
ClientSampleId :

Tgt Ion: 91 Resp: 415805

Ion Ratio Lower Upper

91 100

92 58.2 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.405 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.003 min

Lab File: VU055987.D

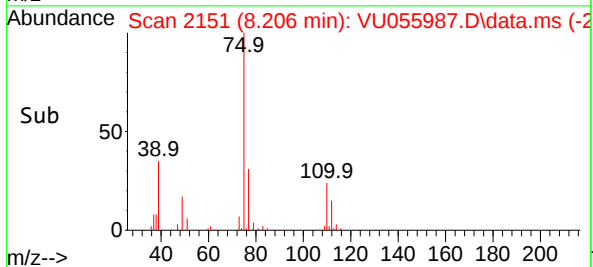
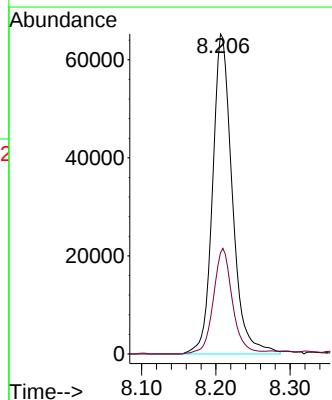
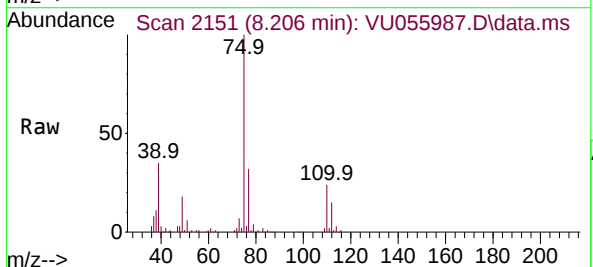
Acq: 30 Oct 2023 10:01

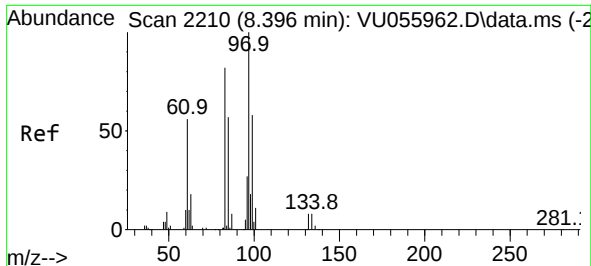
Tgt Ion: 75 Resp: 120420

Ion Ratio Lower Upper

75 100

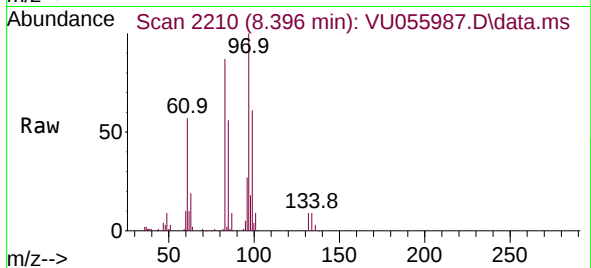
77 31.6 21.7 40.3



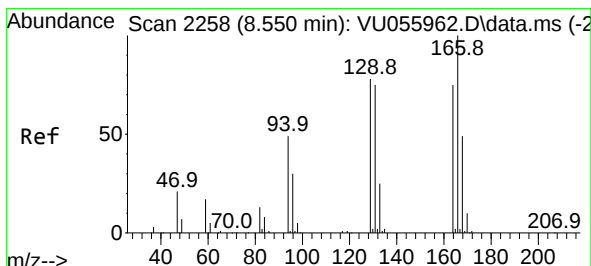
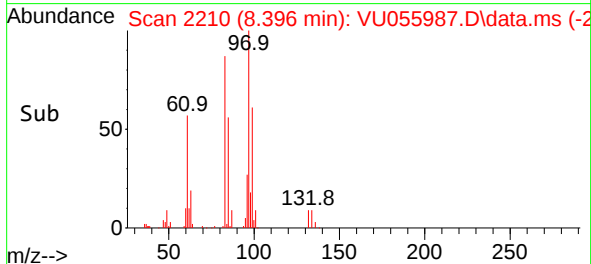
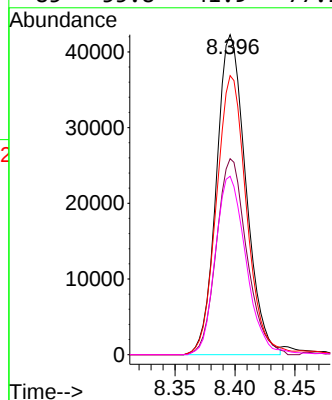


#45
1,1,2-Trichloroethane
Concen: 5.302 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

Instrument :
MSVOA_U
ClientSampleId :

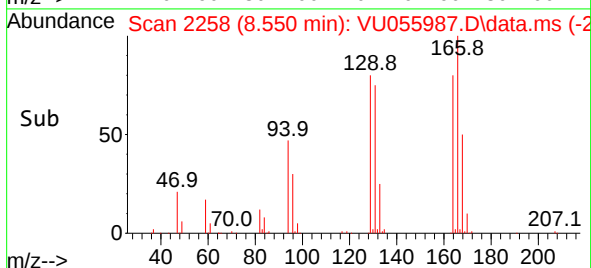
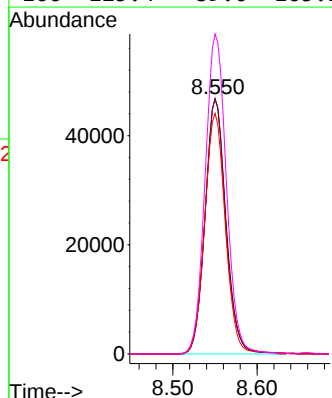
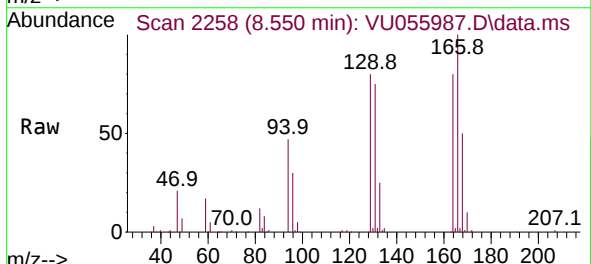


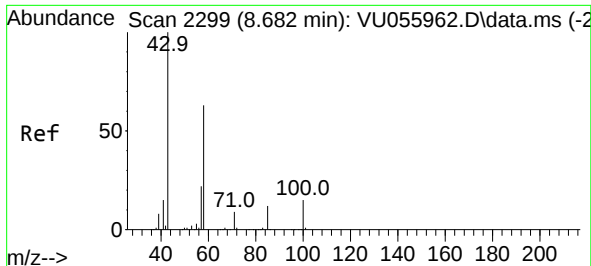
Tgt Ion:	97	Resp:	72224
Ion	Ratio	Lower	Upper
97	100		
99	61.3	45.3	84.1
83	87.2	61.9	115.1
85	55.8	41.9	77.9



#47
Tetrachloroethene
Concen: 5.621 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

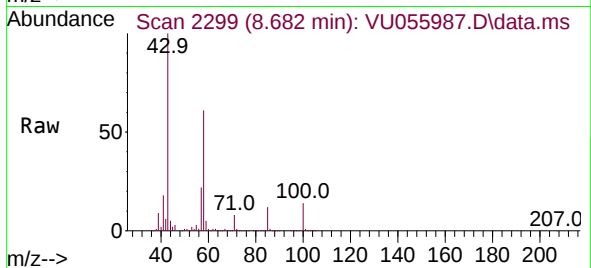
Tgt Ion:	164	Resp:	80335
Ion	Ratio	Lower	Upper
164	100		
129	99.9	72.2	134.0
131	94.2	70.8	131.6
166	125.4	89.0	165.2



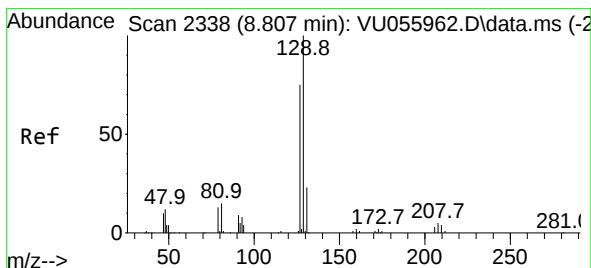
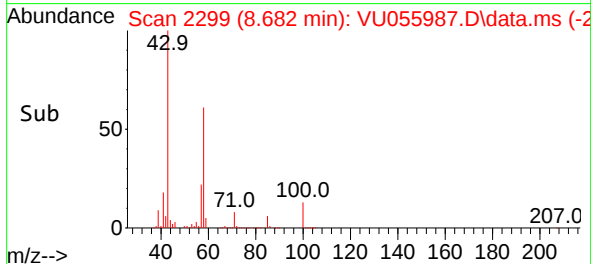
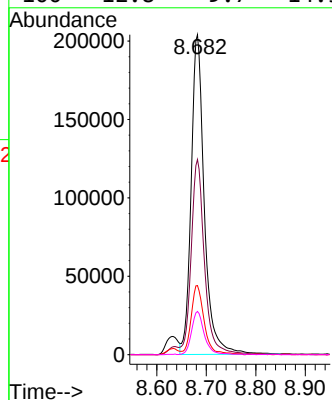


#48
2-Hexanone
Concen: 51.561 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

Instrument :
MSVOA_U
ClientSampleId :

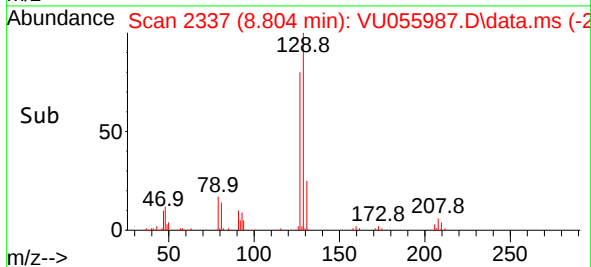
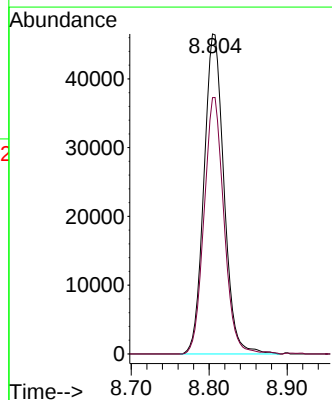
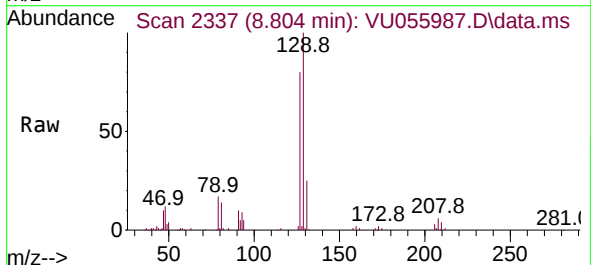


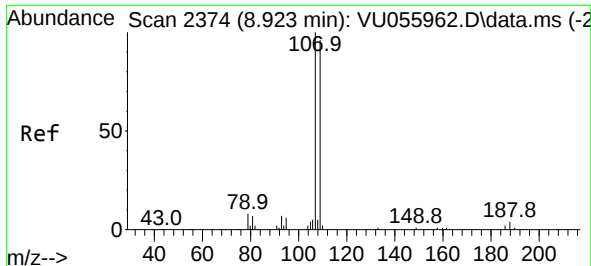
Tgt Ion: 43 Resp: 378590
Ion Ratio Lower Upper
43 100
58 61.0 49.5 74.3
57 21.5 16.9 25.3
100 12.8 9.7 14.5



#49
Dibromochloromethane
Concen: 5.546 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

Tgt Ion: 129 Resp: 82934
Ion Ratio Lower Upper
129 100
127 80.1 53.5 99.5





#50

1,2-Dibromoethane

Concen: 5.219 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU055987.D

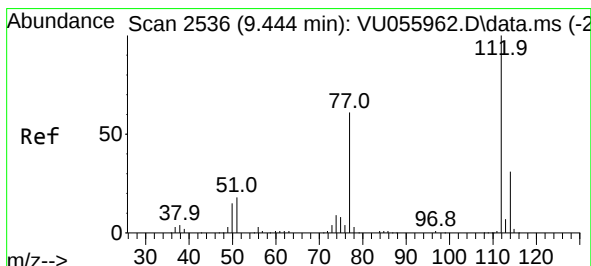
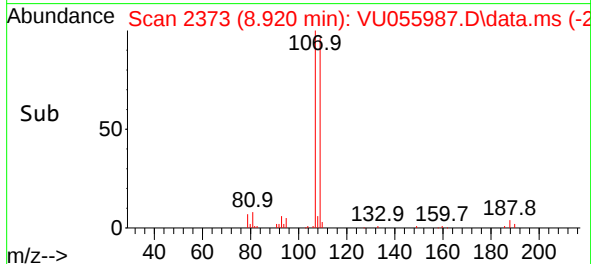
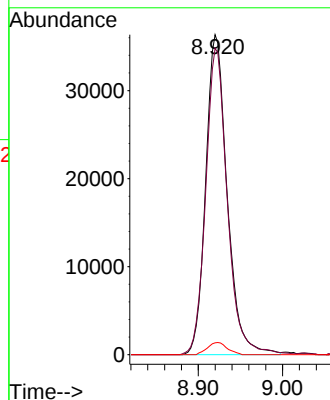
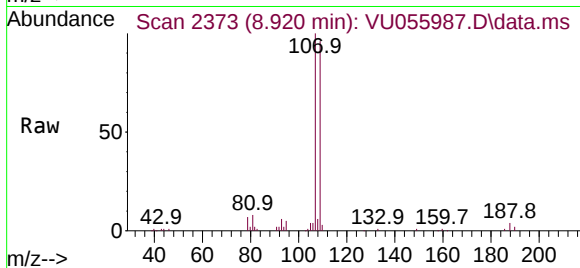
Acq: 30 Oct 2023 10:01

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	64504
Ion Ratio	Lower	Upper
107	100	
109	95.7	65.0 120.6
188	3.7	2.5 3.7



#51

Chlorobenzene

Concen: 5.415 ug/L

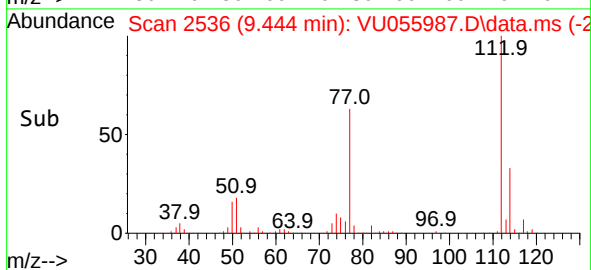
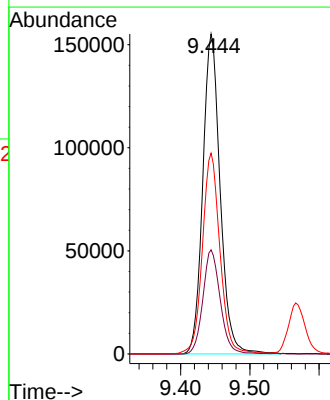
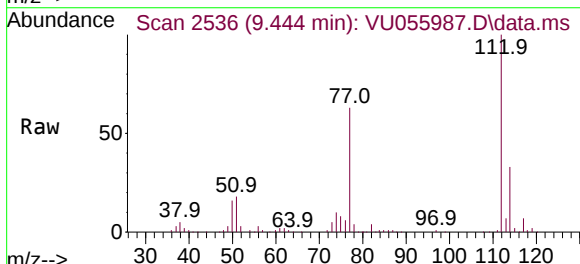
RT: 9.444 min Scan# 2536

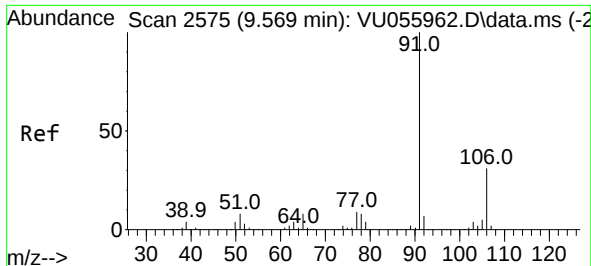
Delta R.T. -0.000 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

Tgt Ion:112	Resp:	270582
Ion Ratio	Lower	Upper
112	100	
114	32.6	22.3 41.5
77	62.7	49.9 74.9

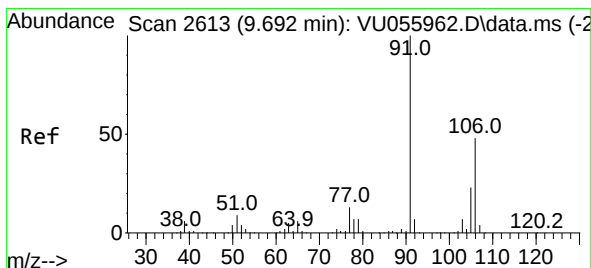
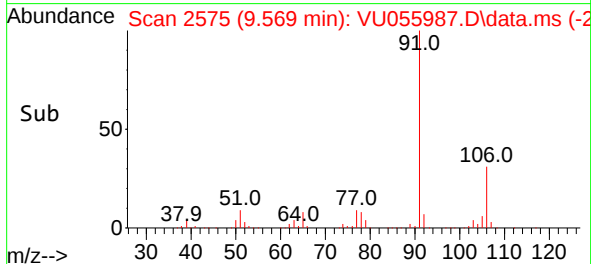
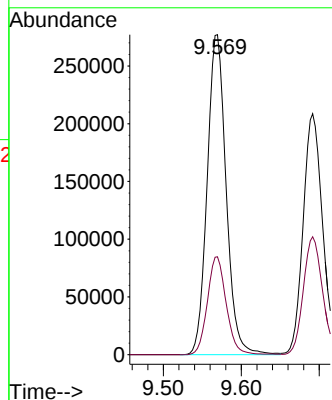
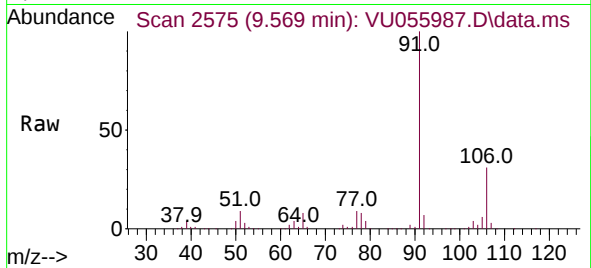




#52
Ethylbenzene
Concen: 5.423 ug/L
RT: 9.569 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

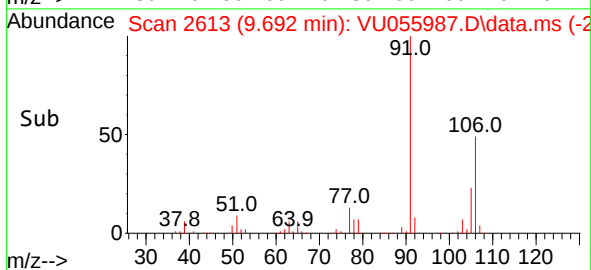
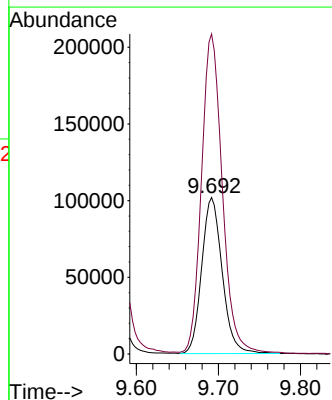
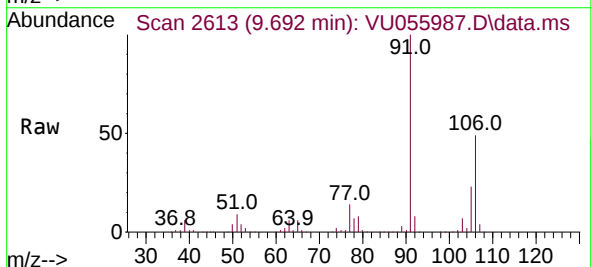
Instrument :
MSVOA_U
ClientSampleId :

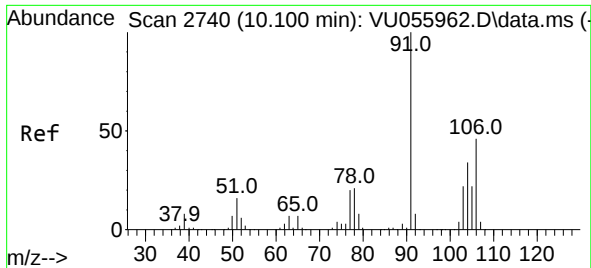
Tgt Ion: 91 Resp: 468733
Ion Ratio Lower Upper
91 100
106 30.6 21.3 39.5



#53
m,p-Xylene
Concen: 5.473 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

Tgt Ion: 106 Resp: 176793
Ion Ratio Lower Upper
106 100
91 204.5 150.4 279.2

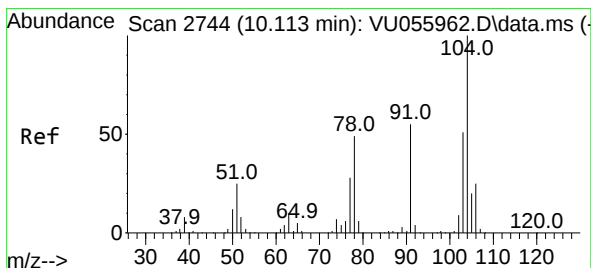
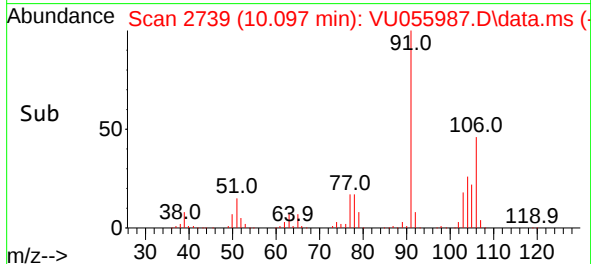
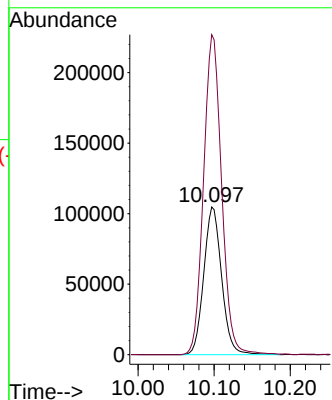
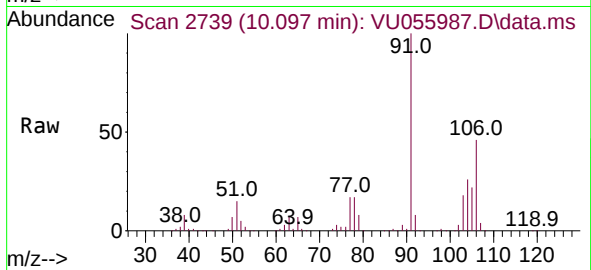




#54
o-Xylene
Concen: 5.407 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

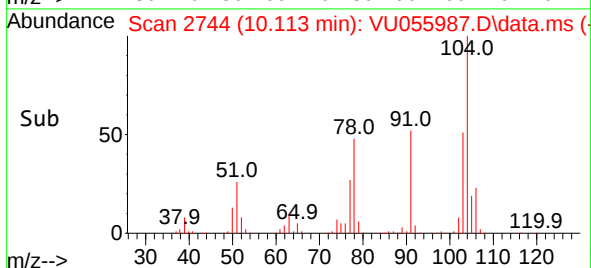
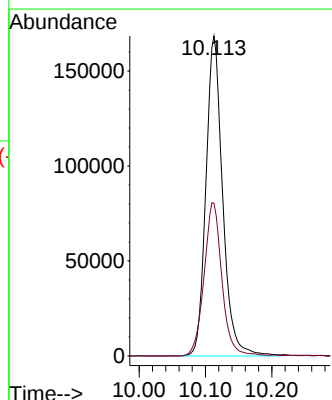
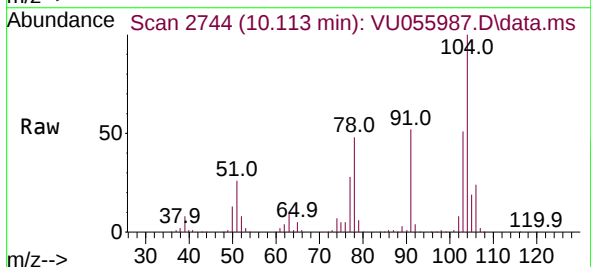
Instrument :
MSVOA_U
ClientSampleId :

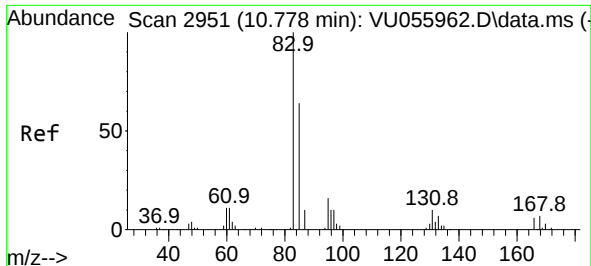
Tgt Ion:106 Resp: 170915
Ion Ratio Lower Upper
106 100
91 216.8 154.6 287.2



#55
Styrene
Concen: 5.842 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

Tgt Ion:104 Resp: 295991
Ion Ratio Lower Upper
104 100
78 47.8 33.9 63.0

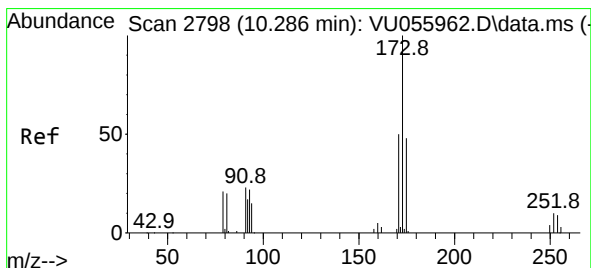
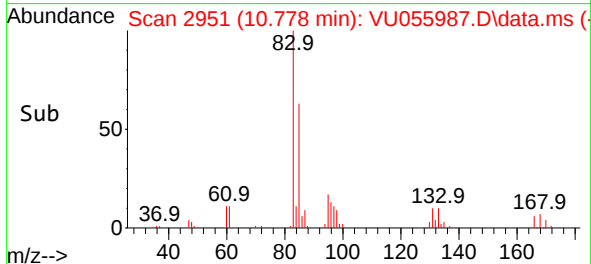
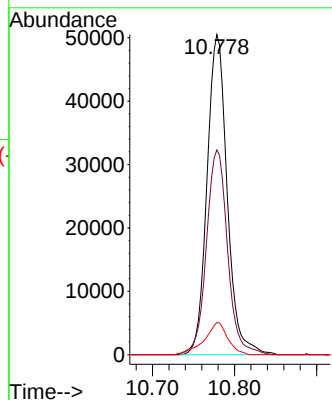
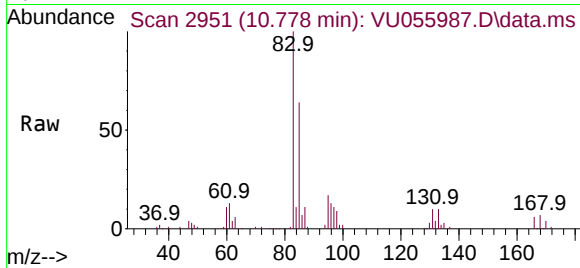




#57
1,1,2,2-Tetrachloroethane
Concen: 5.470 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

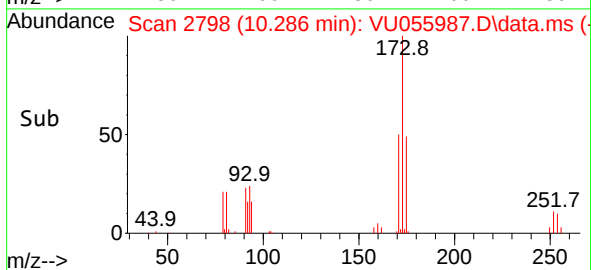
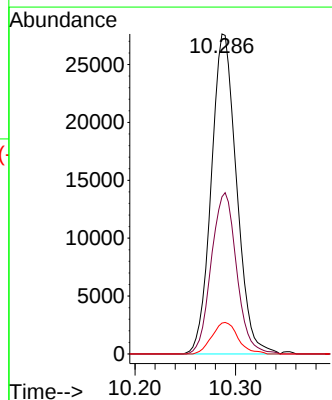
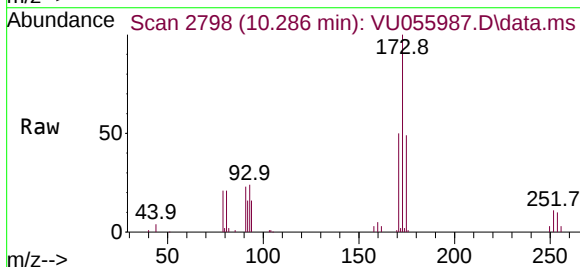
Instrument :
MSVOA_U
ClientSampleId :

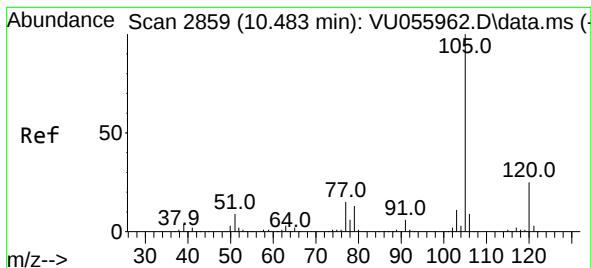
Tgt Ion: 83 Resp: 86247
Ion Ratio Lower Upper
83 100
85 64.0 46.2 85.8
131 10.0 7.2 10.8



#59
Bromoform
Concen: 5.533 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

Tgt Ion:173 Resp: 48273
Ion Ratio Lower Upper
173 100
175 50.5 37.8 56.6
254 10.1 7.4 11.0





#60

Isopropylbenzene

Concen: 5.474 ug/L

RT: 10.479 min Scan# 2859

Delta R.T. -0.003 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

Instrument :

MSVOA_U

ClientSampleId :

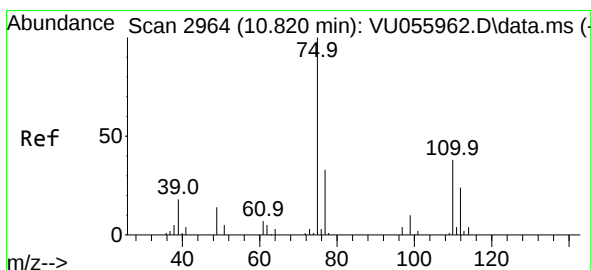
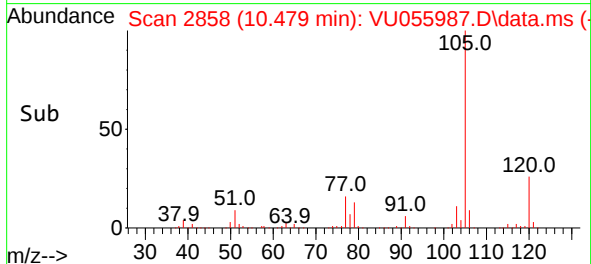
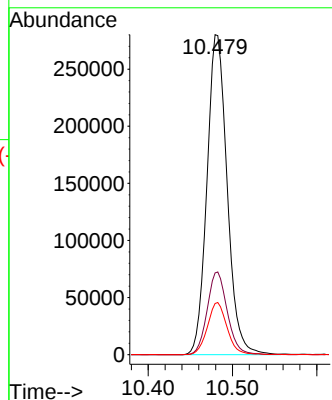
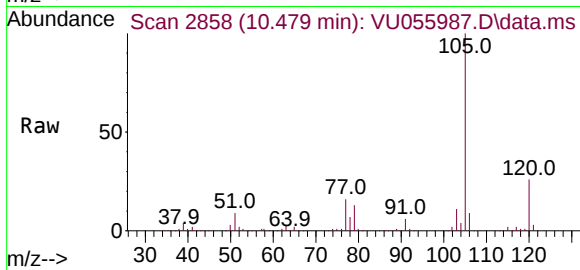
Tgt Ion:105 Resp: 467750

Ion Ratio Lower Upper

105 100

120 25.8 20.2 30.4

77 15.9 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 5.114 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. -0.000 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

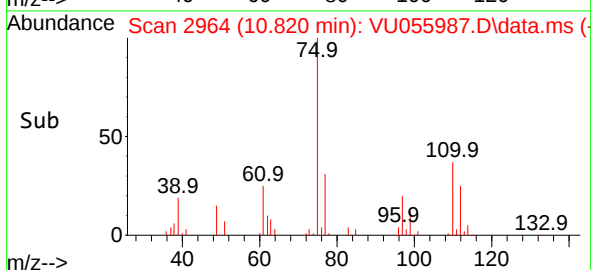
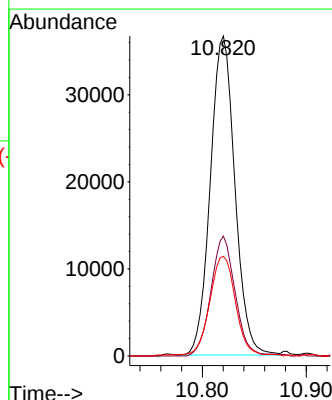
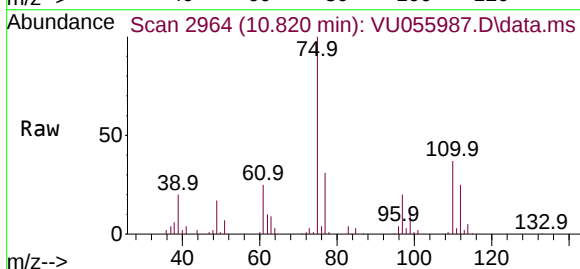
Tgt Ion: 75 Resp: 60205

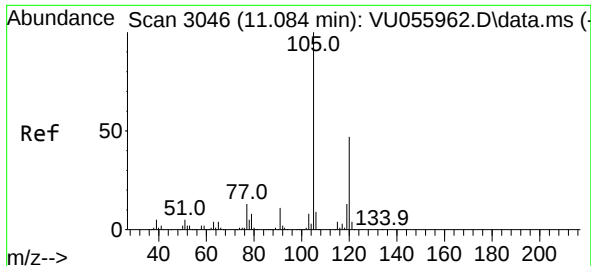
Ion Ratio Lower Upper

75 100

110 37.1 29.0 43.6

77 31.8 24.5 36.7





#62

1,3,5-Trimethylbenzene

Concen: 5.430 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

Instrument :

MSVOA_U

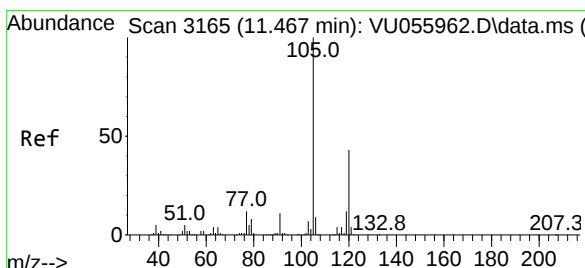
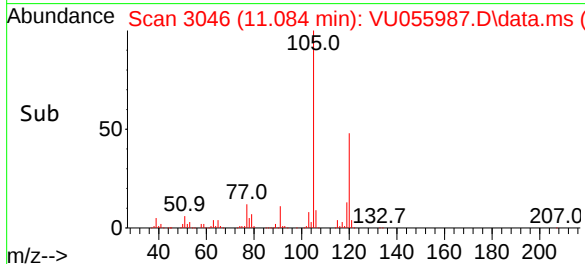
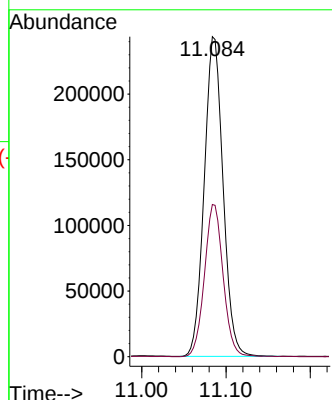
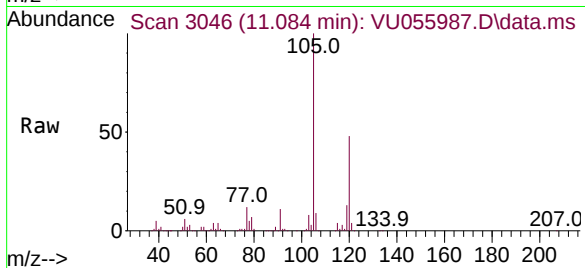
ClientSampleId :

Tgt Ion:105 Resp: 379227

Ion Ratio Lower Upper

105 100

120 47.3 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 5.813 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.003 min

Lab File: VU055987.D

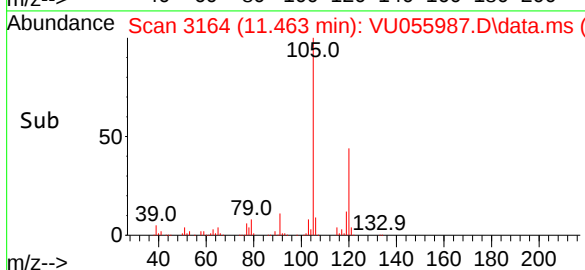
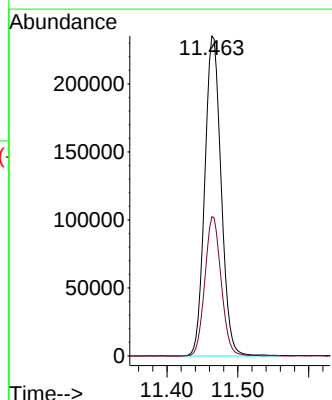
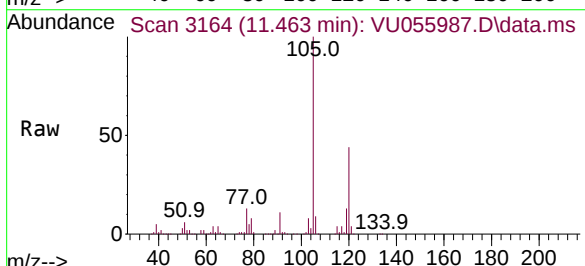
Acq: 30 Oct 2023 10:01

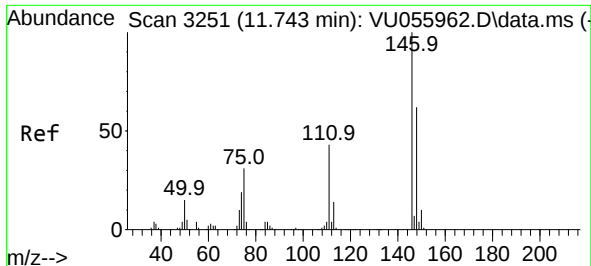
Tgt Ion:105 Resp: 377150

Ion Ratio Lower Upper

105 100

120 43.4 34.6 52.0

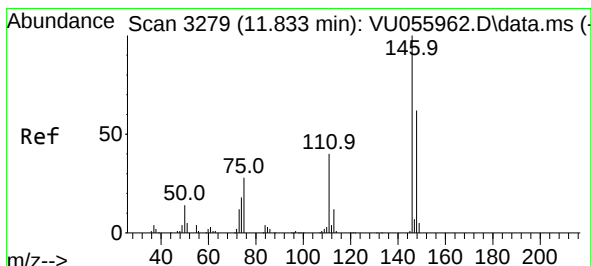
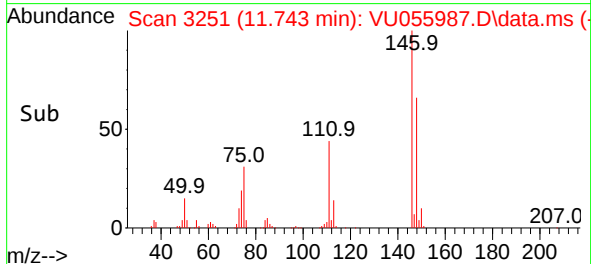
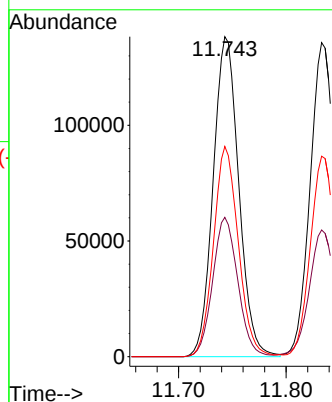
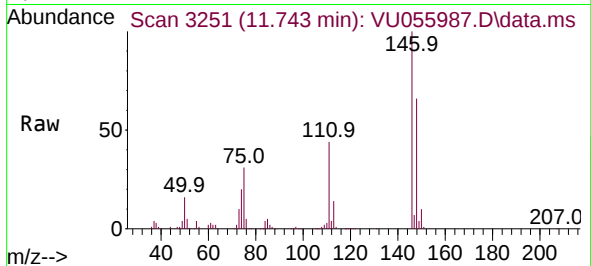




#64
1,3-Dichlorobenzene
Concen: 5.644 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

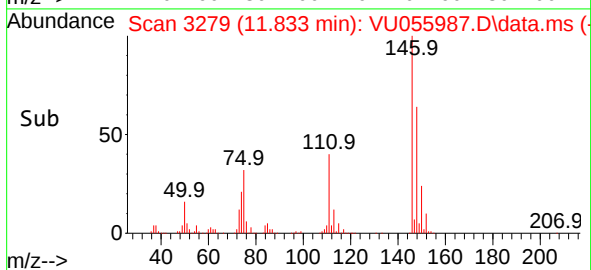
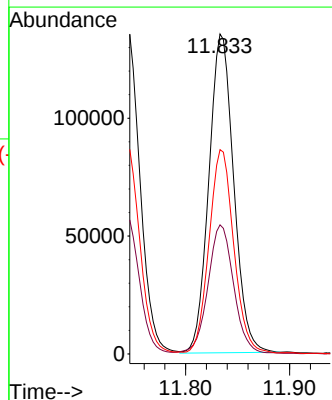
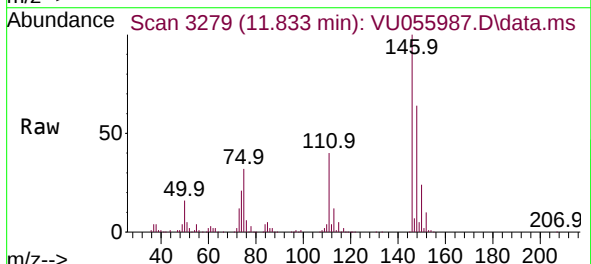
Instrument :
MSVOA_U
ClientSampleId :

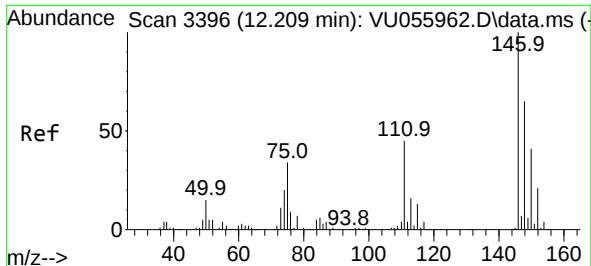
Tgt Ion:146 Resp: 228654
Ion Ratio Lower Upper
146 100
111 43.6 31.1 57.9
148 65.7 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 5.553 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055987.D
Acq: 30 Oct 2023 10:01

Tgt Ion:146 Resp: 224496
Ion Ratio Lower Upper
146 100
111 40.3 29.3 54.3
148 63.9 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 5.547 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

Instrument :

MSVOA_U

ClientSampleId :

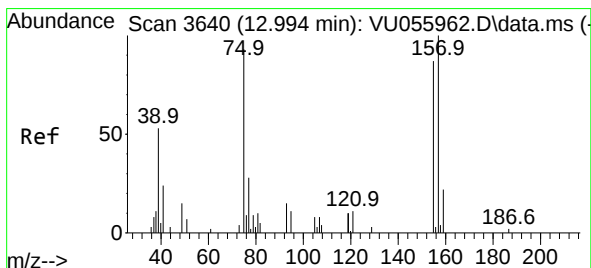
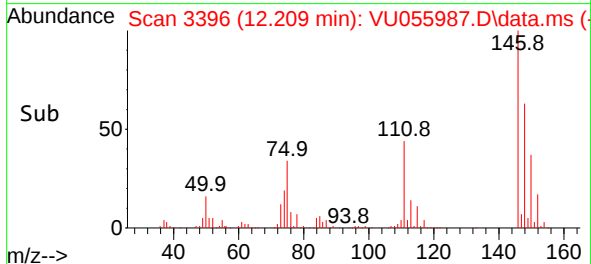
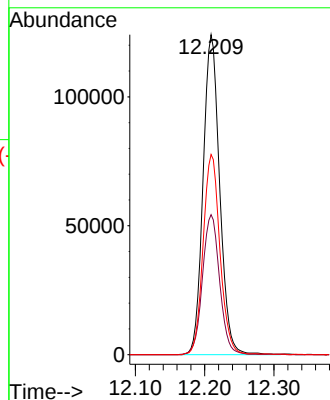
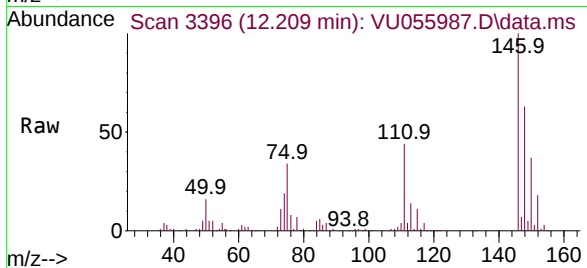
Tgt Ion:146 Resp: 206310

Ion Ratio Lower Upper

146 100

111 43.7 36.7 55.1

148 62.6 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.830 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.000 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

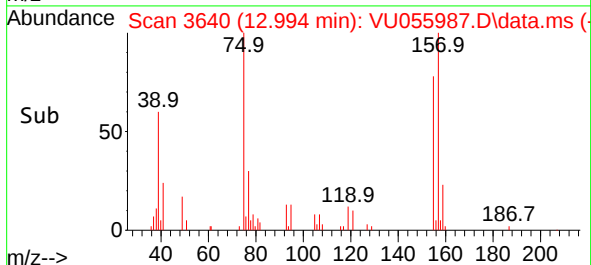
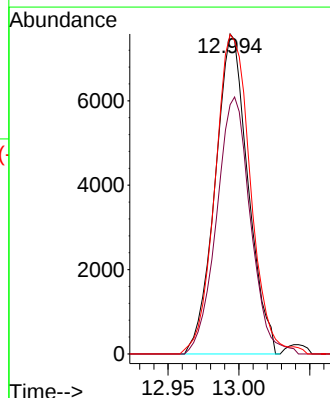
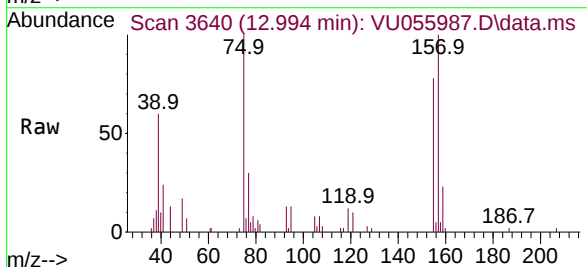
Tgt Ion: 75 Resp: 12248

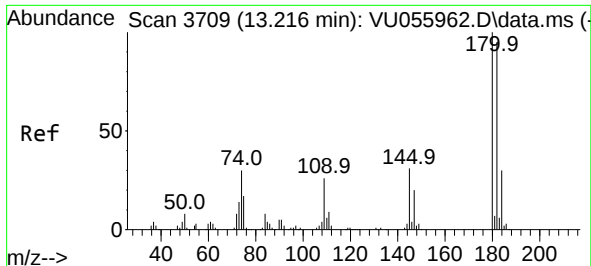
Ion Ratio Lower Upper

75 100

155 77.9 65.3 97.9

157 99.9 87.9 131.9





#69

1,3,5-Trichlorobenzene

Concen: 6.223 ug/L

RT: 13.216 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 172272

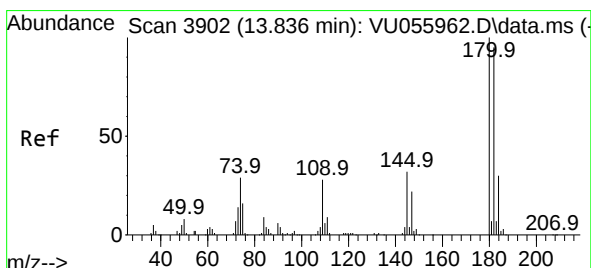
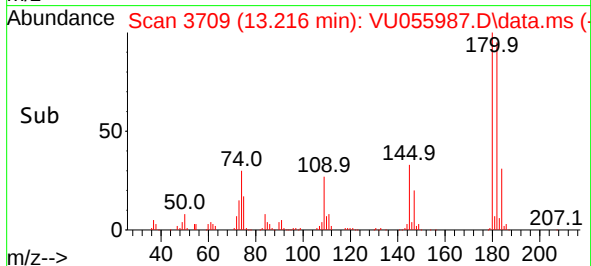
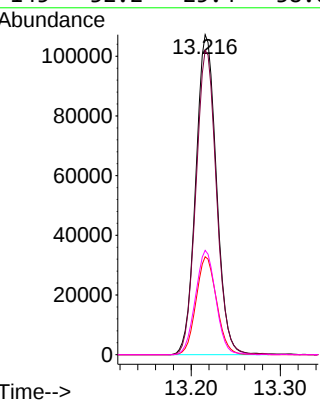
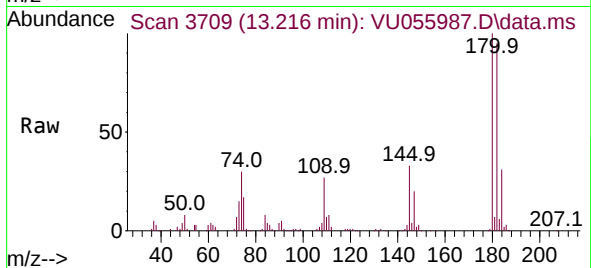
Ion Ratio Lower Upper

180 100

182 94.5 74.7 112.1

184 30.5 23.8 35.8

145 32.2 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 6.956 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

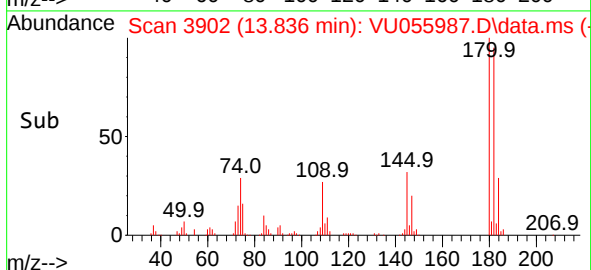
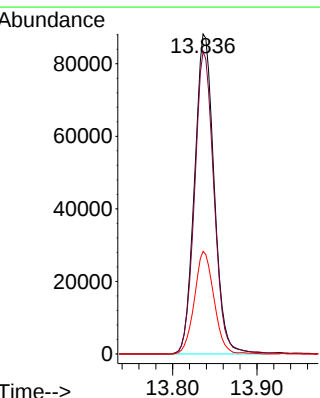
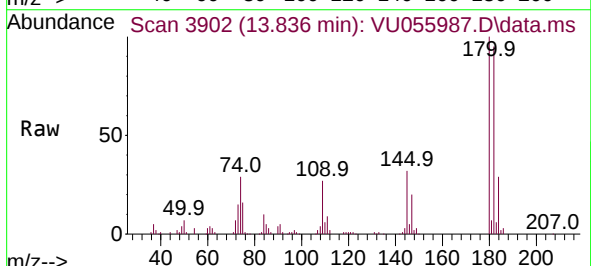
Tgt Ion:180 Resp: 142334

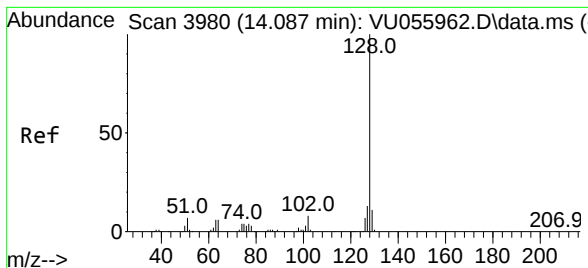
Ion Ratio Lower Upper

180 100

182 94.1 76.1 114.1

145 32.2 26.4 39.6





#71

Naphthalene

Concen: 6.660 ug/L

RT: 14.084 min Scan# 3980

Delta R.T. -0.003 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

Instrument :

MSVOA_U

ClientSampleId :

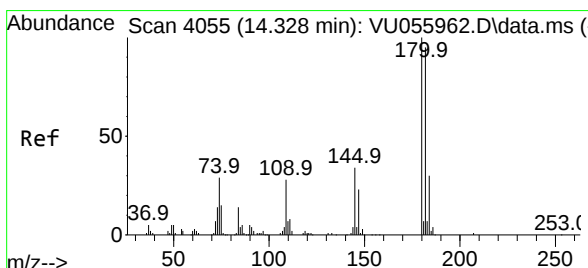
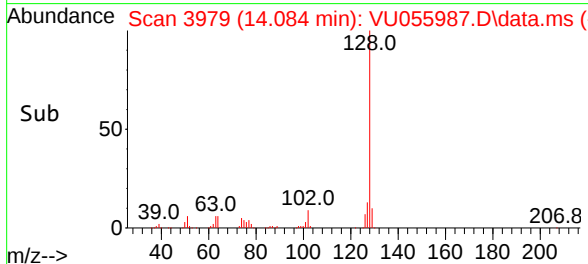
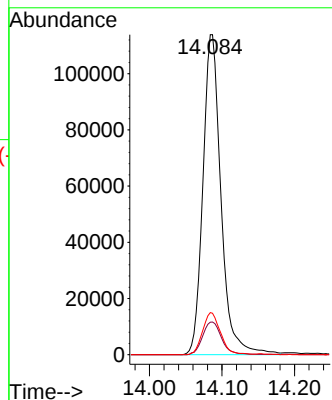
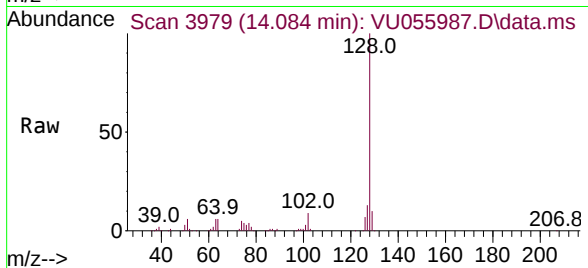
Tgt Ion:128 Resp: 197339

Ion Ratio Lower Upper

128 100

129 10.8 8.3 12.5

127 13.0 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 6.726 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.003 min

Lab File: VU055987.D

Acq: 30 Oct 2023 10:01

Tgt Ion:180 Resp: 118645

Ion Ratio Lower Upper

180 100

182 95.3 74.6 112.0

145 34.1 27.4 41.2

