

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122923\
 Data File : VU057374.D
 Acq On : 29 Dec 2023 16:21
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 29 23:07:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 29 23:01:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	151303	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	148577	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	79320	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	30733	2.363	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	47.200%
7) Chloroethane-d5	1.911	69	28774	2.754	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	55.000%#
11) 1,1-Dichloroethene-d2	2.560	65	17096	3.302	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.000%
20) 2-Butanone-d5	4.640	46	96660	32.810	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	65.620%
24) Chloroform-d	5.058	84	103947	4.494	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	5.698	65	57157	4.835	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
32) Benzene-d6	5.721	84	163094	3.851	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.000%
36) 1,2-Dichloropropane-d6	6.682	67	46408	3.497	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	70.000%
41) Toluene-d8	7.891	98	154975	4.242	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.800%
43) trans-1,3-Dichloroprop...	8.174	79	22996	4.318	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.400%
46) 2-Hexanone-d5	8.630	63	76601	31.760	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	63.520%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	41075	3.685	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	61045	4.226	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	53971	4.914	ug/L	99
3) Chloromethane	1.518	50	33125	2.720	ug/L	96
5) Vinyl chloride	1.602	62	39820	3.153	ug/L	99
6) Bromomethane	1.856	94	26688	4.481	ug/L	95
8) Chloroethane	1.933	64	26198	3.200	ug/L	96
9) Trichlorofluoromethane	2.136	101	97455	5.356	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	48044	4.366	ug/L	88
12) 1,1-Dichloroethene	2.576	96	41096	4.156	ug/L	87
13) Acetone	2.660	43	57194	29.787	ug/L	60
14) Carbon disulfide	2.788	76	102705	3.642	ug/L	98
15) Methyl Acetate	2.959	43	10485	2.398	ug/L #	80
16) Methylene chloride	3.039	84	53560	4.197	ug/L	88
17) Methyl tert-butyl Ether	3.354	73	108980	4.366	ug/L	96
18) trans-1,2-Dichloroethene	3.348	96	43590	4.442	ug/L	90
19) 1,1-Dichloroethane	3.862	63	83223	4.036	ug/L	94
21) 2-Butanone	4.721	43	76231	27.798	ug/L	89
22) cis-1,2-Dichloroethene	4.663	96	49769	4.388	ug/L	95
23) Bromochloromethane	4.968	128	23340	4.603	ug/L #	75
25) Chloroform	5.081	83	104680	4.812	ug/L	97

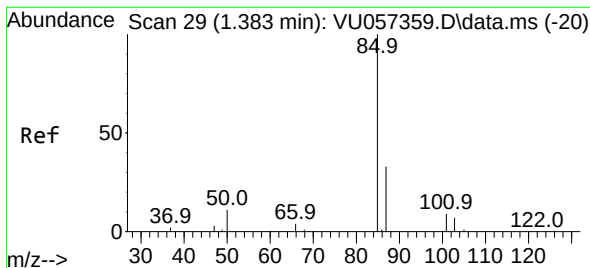
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122923\
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Quant Time: Dec 29 23:07:25 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 29 23:01:57 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	63760	4.678	ug/L	96
29) 1,1,1-Trichloroethane	5.309	97	106226	5.645	ug/L	95
30) Cyclohexane	5.380	56	53236	3.793	ug/L	89
31) Carbon tetrachloride	5.518	117	91435	5.792	ug/L	100
33) Benzene	5.769	78	182556	4.266	ug/L	100
34) Trichloroethene	6.537	95	52297	4.585	ug/L	98
35) Methylcyclohexane	6.759	83	65651	4.407	ug/L	91
37) 1,2-Dichloropropane	6.785	63	43649	3.665	ug/L #	96
38) Bromodichloromethane	7.100	83	72557	4.723	ug/L	92
39) cis-1,3-Dichloropropene	7.602	75	67634	4.154	ug/L	95
40) 4-Methyl-2-pentanone	7.788	43	200402	33.028	ug/L #	96
42) Toluene	7.962	91	204166	4.430	ug/L	97
44) trans-1,3-Dichloropropene	8.206	75	61872	4.358	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	35989	4.149	ug/L	93
47) Tetrachloroethene	8.547	164	41655	5.168	ug/L	93
48) 2-Hexanone	8.682	43	153107	34.224	ug/L #	96
49) Dibromochloromethane	8.804	129	48159	4.875	ug/L	99
50) 1,2-Dibromoethane	8.920	107	32876	4.223	ug/L #	98
51) Chlorobenzene	9.441	112	133528	4.767	ug/L	97
52) Ethylbenzene	9.566	91	220726	4.799	ug/L	98
53) m,p-Xylene	9.688	106	84408	4.820	ug/L	97
54) o-Xylene	10.097	106	79681	4.786	ug/L	98
55) Styrene	10.110	104	138766	4.951	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	39813	3.710	ug/L #	97
59) Bromoform	10.283	173	28659	4.613	ug/L #	98
60) Isopropylbenzene	10.479	105	227262	4.672	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	29720	3.588	ug/L	95
62) 1,3,5-Trimethylbenzene	11.084	105	183600	4.823	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	182832	4.831	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	111486	4.769	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	108717	4.569	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	100762	4.484	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	7638	4.194	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	81178	4.850	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	62085	4.674	ug/L	100
71) Naphthalene	14.084	128	79985	3.853	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	51671	4.463	ug/L	96

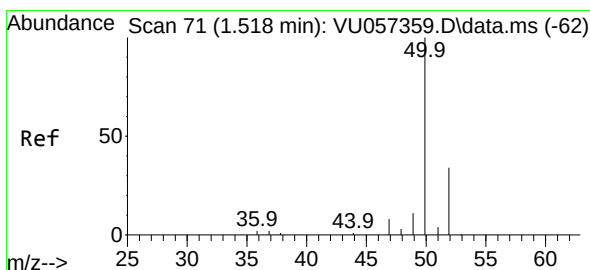
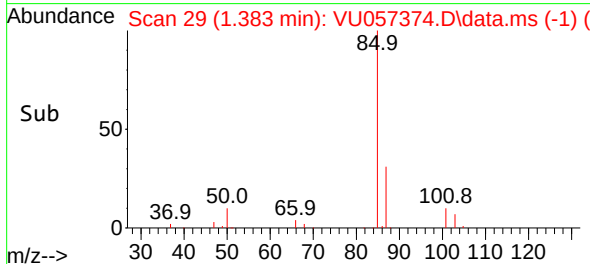
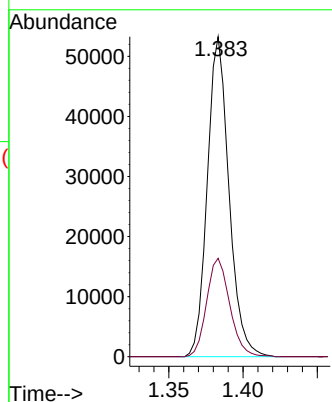
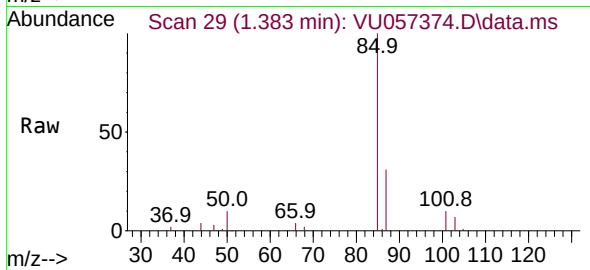
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.914 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU057374.D
 Acq: 29 Dec 2023 16:21

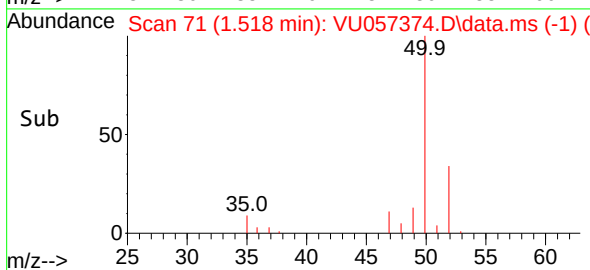
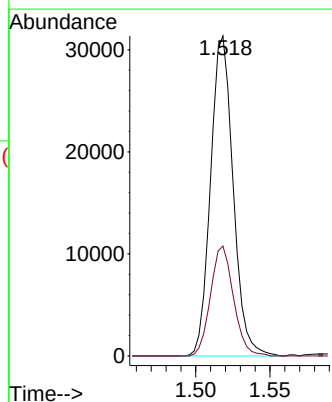
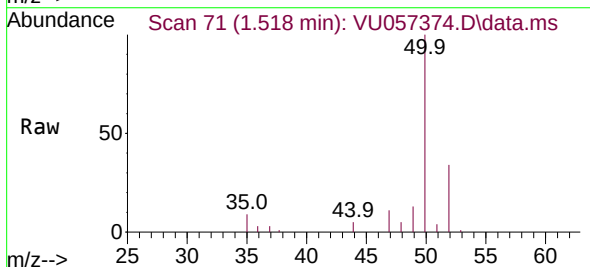
Instrument :
 MSVOA_U
 ClientSampleId :

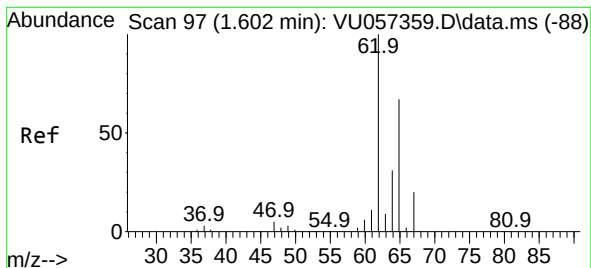
Tgt Ion: 85 Resp: 53971
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.9 38.9



#3
 Chloromethane
 Concen: 2.720 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU057374.D
 Acq: 29 Dec 2023 16:21

Tgt Ion: 50 Resp: 33125
 Ion Ratio Lower Upper
 50 100
 52 34.3 22.5 41.7





#5

Vinyl chloride

Concen: 3.153 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU057374.D

Acq: 29 Dec 2023 16:21

Instrument :

MSVOA_U

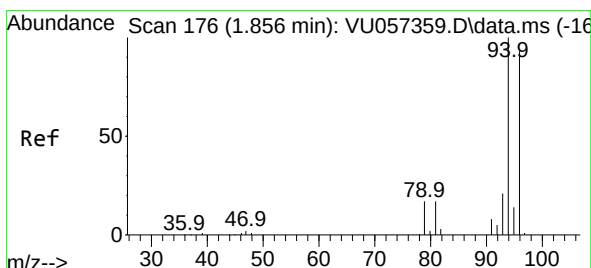
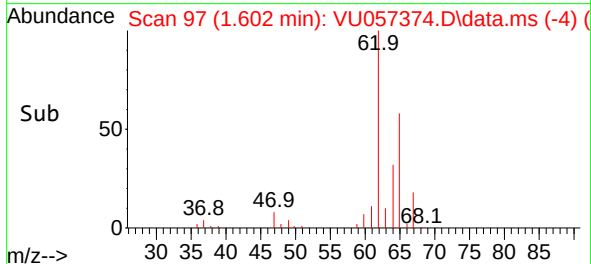
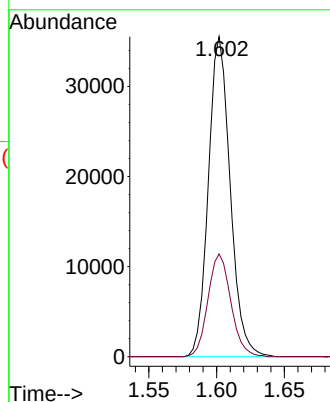
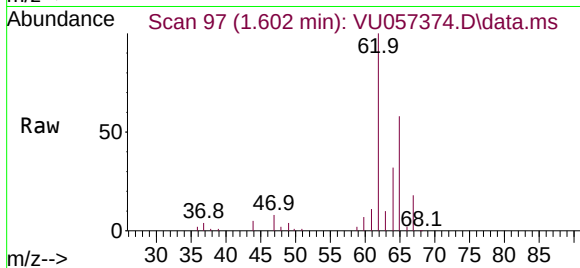
ClientSampleId :

Tgt Ion: 62 Resp: 39820

Ion Ratio Lower Upper

62 100

64 32.1 22.8 42.4



#6

Bromomethane

Concen: 4.481 ug/L

RT: 1.856 min Scan# 176

Delta R.T. -0.000 min

Lab File: VU057374.D

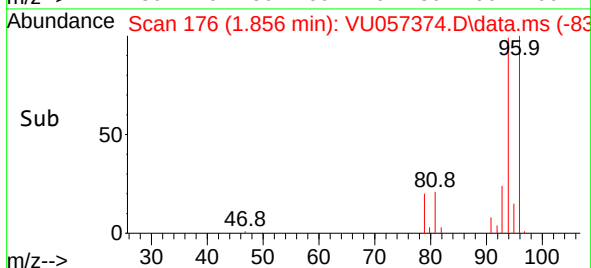
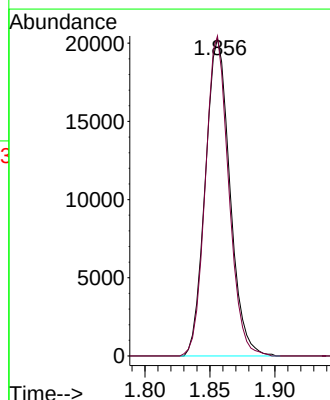
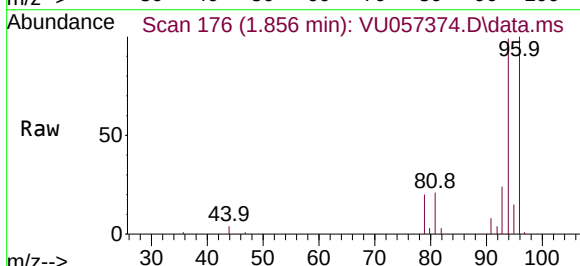
Acq: 29 Dec 2023 16:21

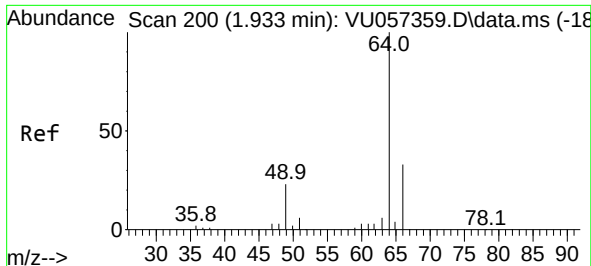
Tgt Ion: 94 Resp: 26688

Ion Ratio Lower Upper

94 100

96 100.7 67.3 125.1

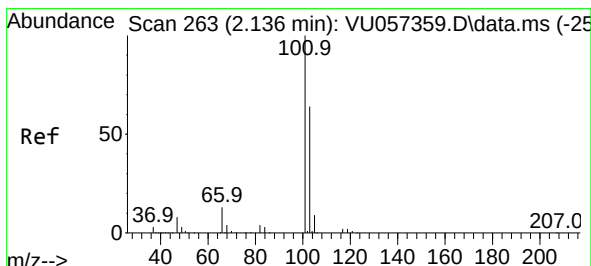
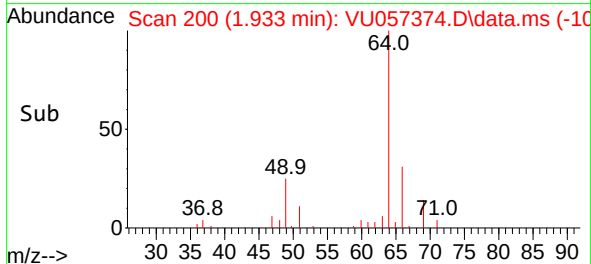
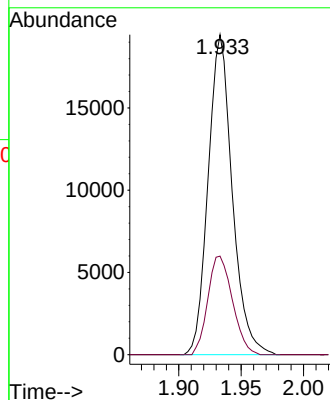
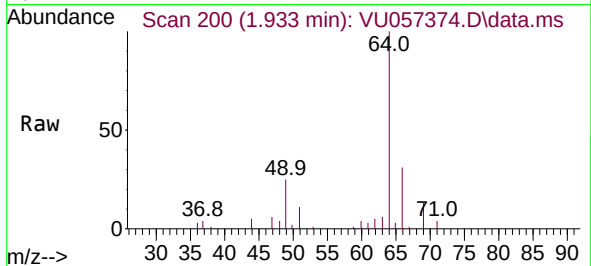




#8
Chloroethane
Concen: 3.200 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

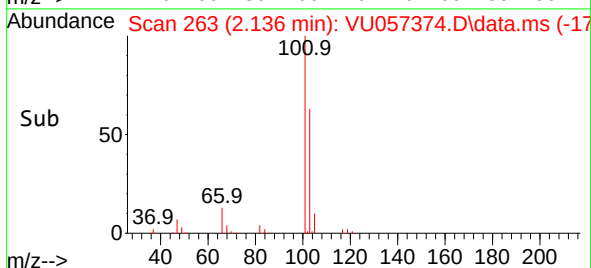
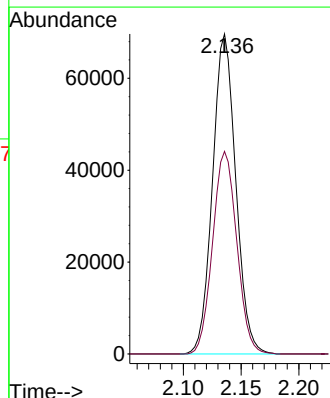
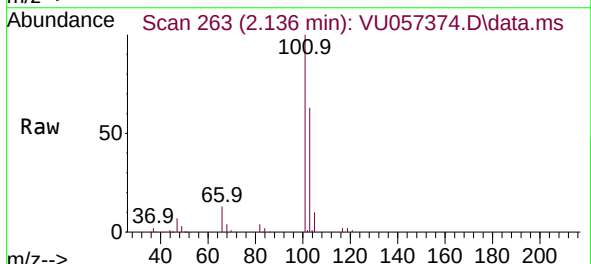
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MSVOA_U
ClientSampleId :

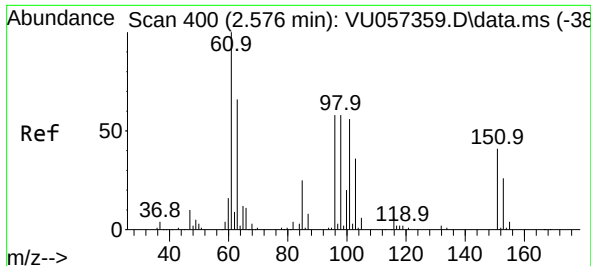
Tgt Ion: 64 Resp: 26198
Ion Ratio Lower Upper
64 100
66 30.8 23.3 43.3



#9
Trichlorofluoromethane
Concen: 5.356 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

Tgt Ion:101 Resp: 97455
Ion Ratio Lower Upper
101 100
103 65.9 52.2 78.2

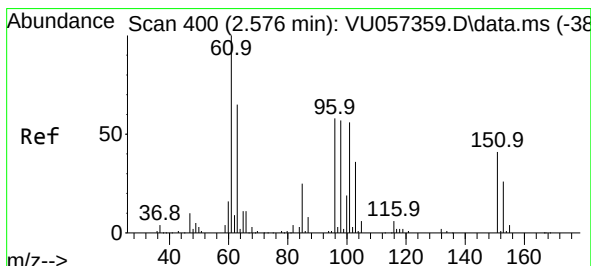
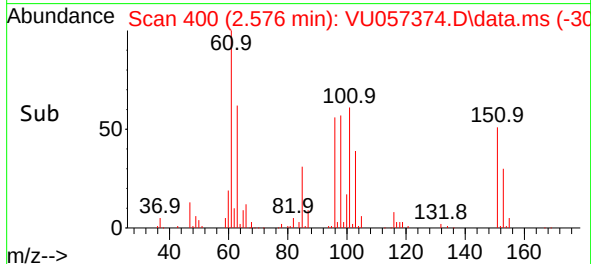
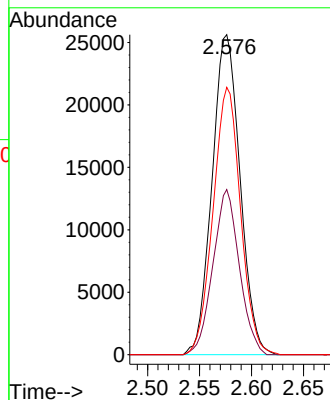
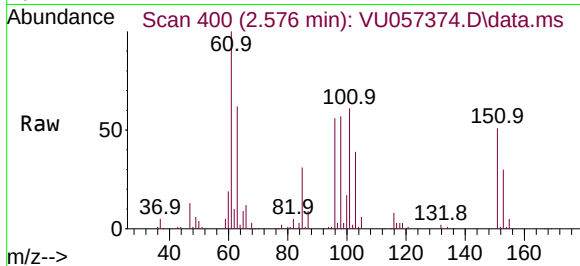




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.366 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU057374.D
 Acq: 29 Dec 2023 16:21

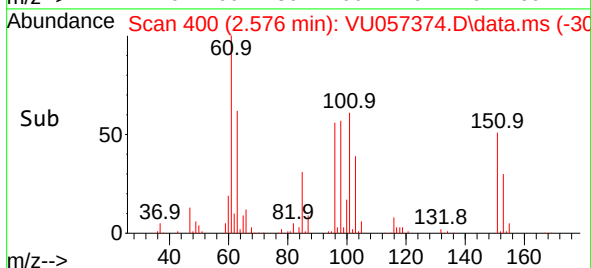
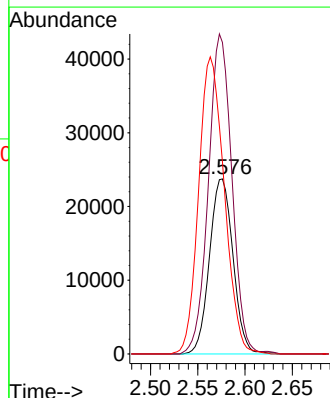
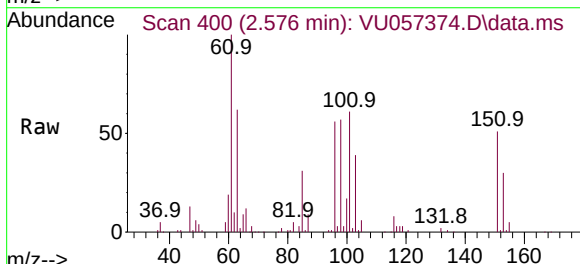
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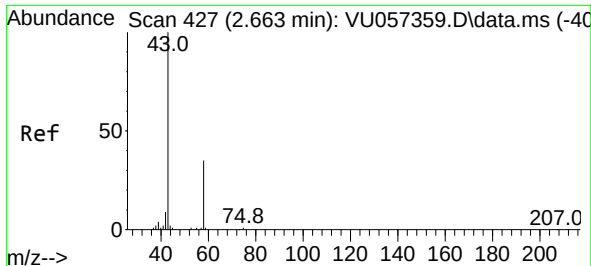
Tgt Ion:101 Resp: 48044
 Ion Ratio Lower Upper
 101 100
 85 48.7 35.1 52.7
 151 82.0 55.8 83.6



#12
 1,1-Dichloroethene
 Concen: 4.156 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU057374.D
 Acq: 29 Dec 2023 16:21

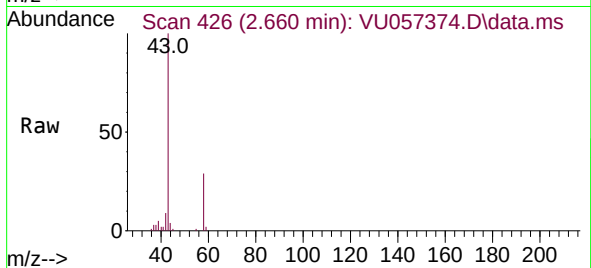
Tgt Ion: 96 Resp: 41096
 Ion Ratio Lower Upper
 96 100
 61 178.0 122.2 226.9
 63 109.7 99.2 184.2



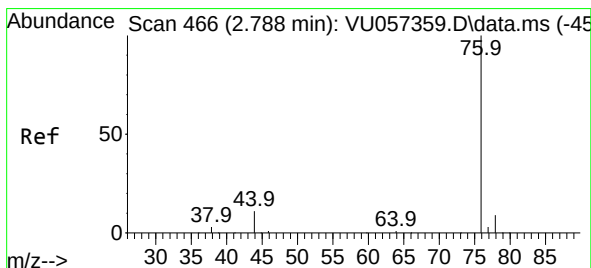
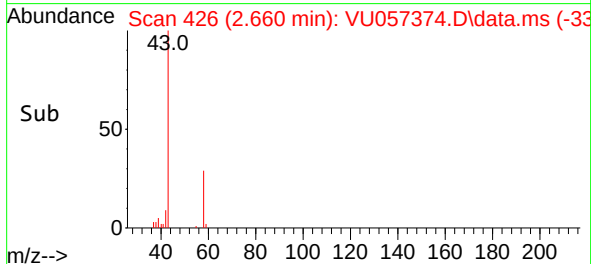
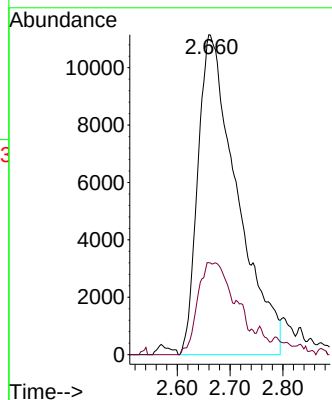


#13
Acetone
Concen: 29.787 ug/L
RT: 2.660 min Scan# 41
Delta R.T. -0.003 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

Instrument :
MSVOA_U
ClientSampleId :

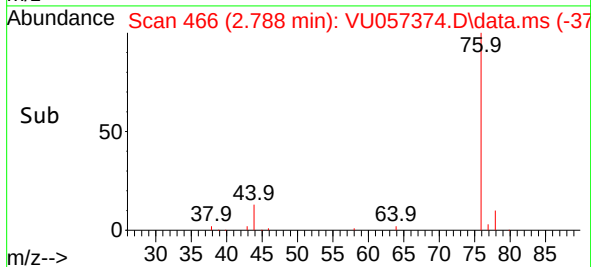
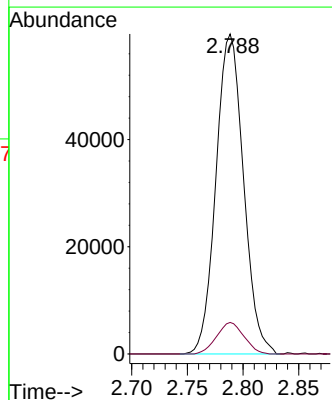
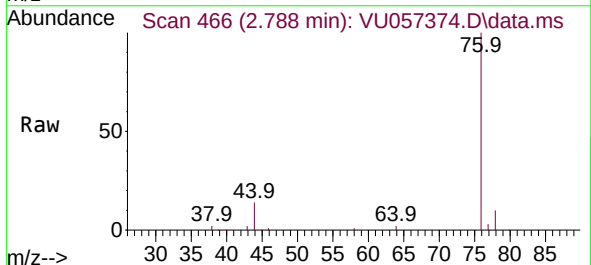


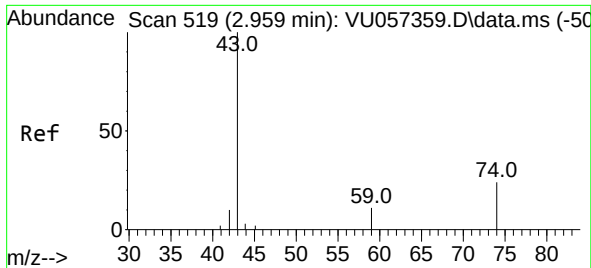
Tgt Ion: 43 Resp: 57194
Ion Ratio Lower Upper
43 100
58 11.0 0.0 67.2



#14
Carbon disulfide
Concen: 3.642 ug/L
RT: 2.788 min Scan# 466
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

Tgt Ion: 76 Resp: 102705
Ion Ratio Lower Upper
76 100
78 9.9 7.3 10.9

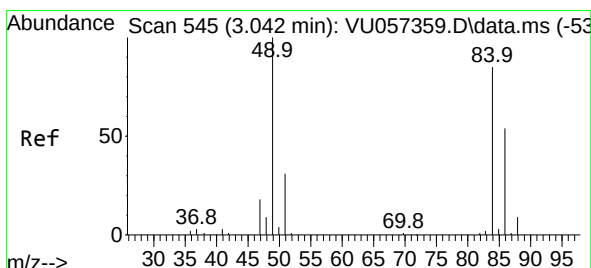
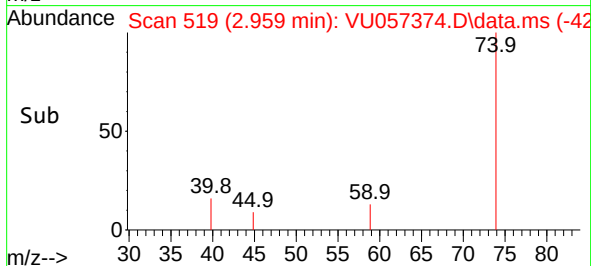
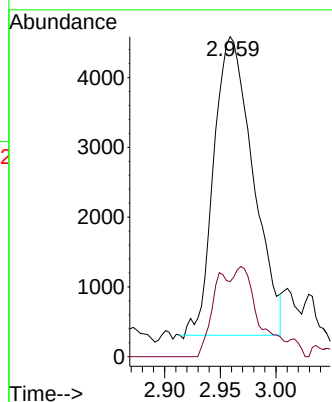
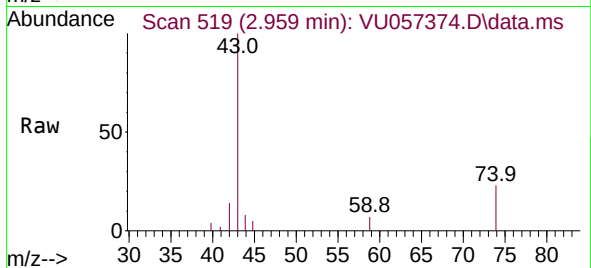




#15
Methyl Acetate
Concen: 2.398 ug/L
RT: 2.959 min Scan# 519
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

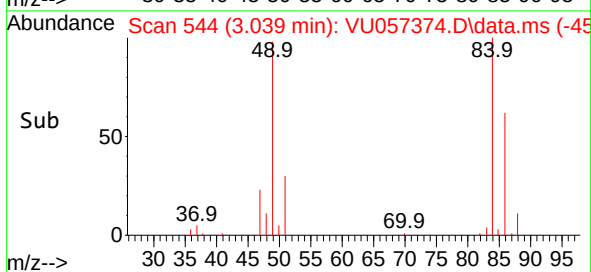
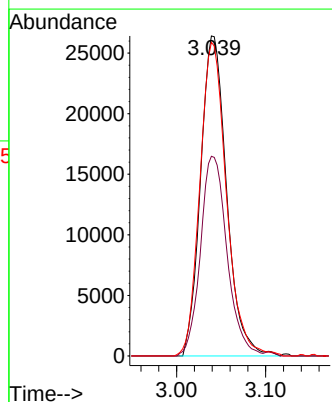
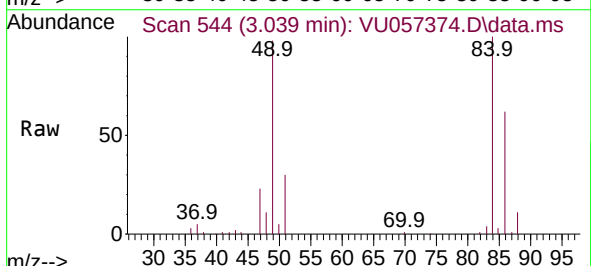
Instrument :
MSVOA_U
ClientSampleId :

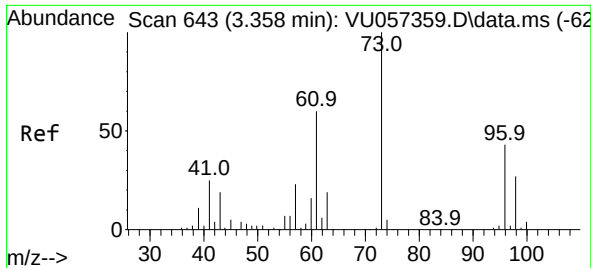
Tgt Ion: 43 Resp: 10485
Ion Ratio Lower Upper
43 100
74 15.2 20.5 30.7#



#16
Methylene chloride
Concen: 4.197 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

Tgt Ion: 84 Resp: 53560
Ion Ratio Lower Upper
84 100
86 62.4 43.8 81.3
49 98.0 83.2 154.4

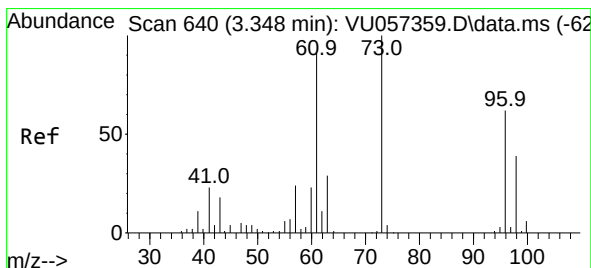
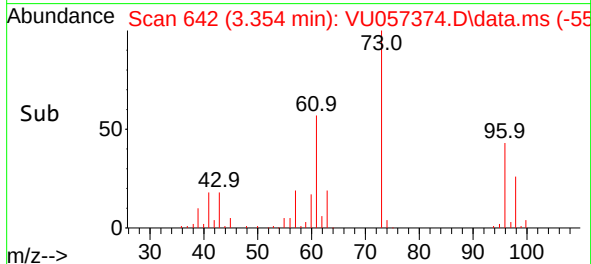
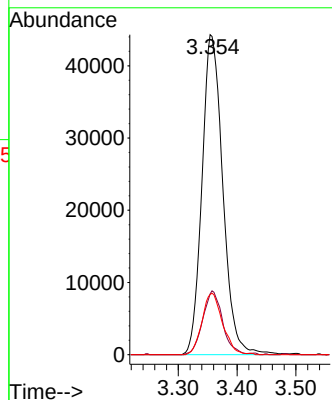
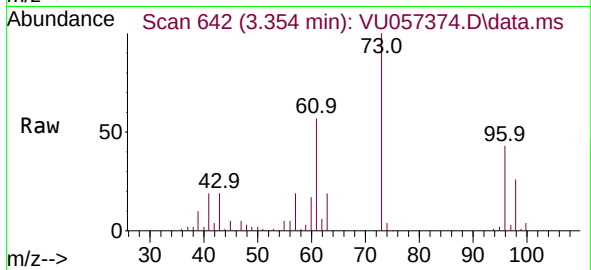




#17
Methyl tert-butyl Ether
Concen: 4.366 ug/L
RT: 3.354 min Scan# 64
Delta R.T. -0.003 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

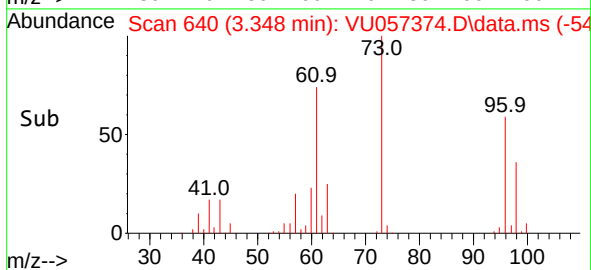
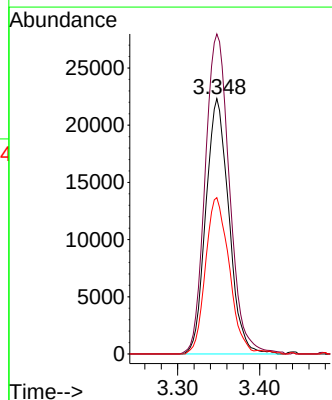
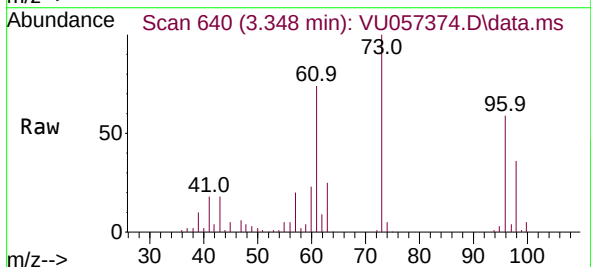
Instrument :
MSVOA_U
ClientSampleId :

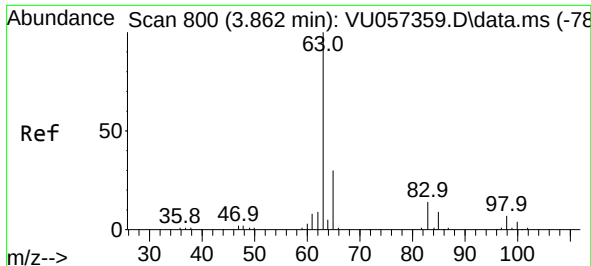
Tgt Ion: 73 Resp: 108980
Ion Ratio Lower Upper
73 100
43 19.0 15.2 22.8
57 18.8 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.442 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

Tgt Ion: 96 Resp: 43590
Ion Ratio Lower Upper
96 100
61 125.3 97.5 181.1
98 61.2 45.9 85.3





#19

1,1-Dichloroethane

Concen: 4.036 ug/L

RT: 3.862 min Scan# 80

Delta R.T. -0.000 min

Lab File: VU057374.D

Acq: 29 Dec 2023 16:21

Instrument :

MSVOA_U

ClientSampleId :

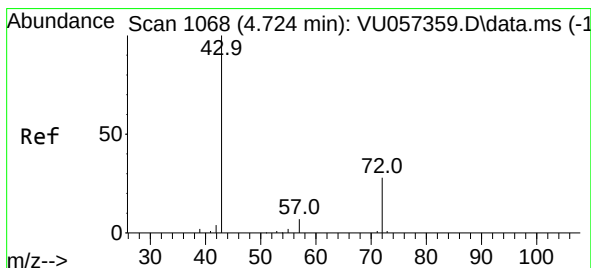
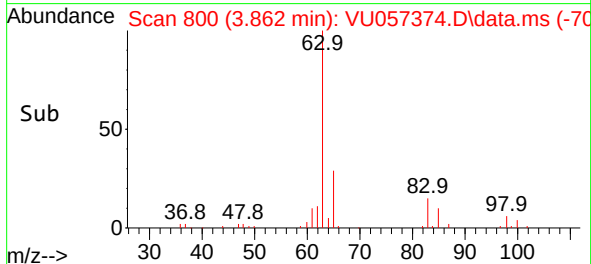
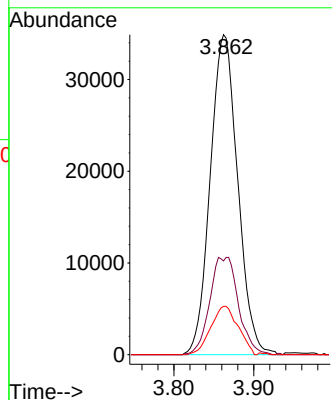
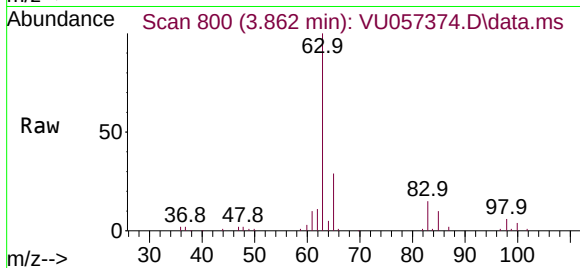
Tgt Ion: 63 Resp: 83223

Ion Ratio Lower Upper

63 100

65 29.3 23.6 43.8

83 15.1 9.8 18.2



#21

2-Butanone

Concen: 27.798 ug/L

RT: 4.721 min Scan# 1067

Delta R.T. -0.003 min

Lab File: VU057374.D

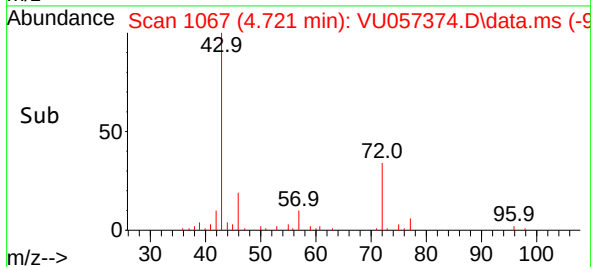
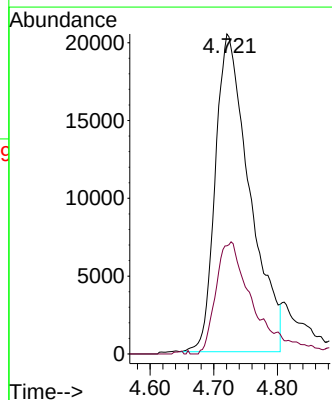
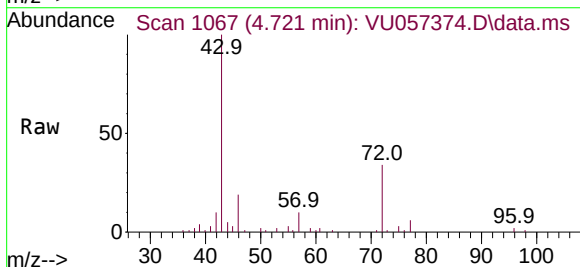
Acq: 29 Dec 2023 16:21

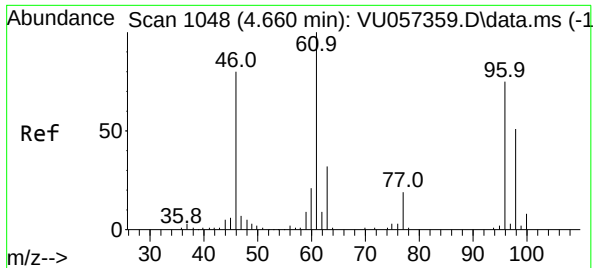
Tgt Ion: 43 Resp: 76231

Ion Ratio Lower Upper

43 100

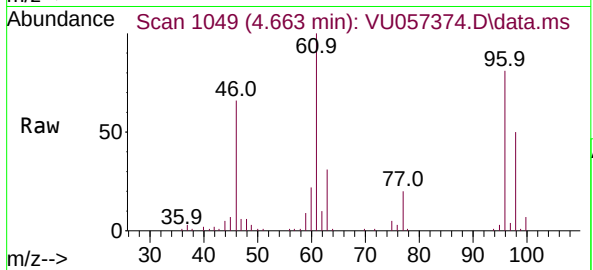
72 34.6 14.3 42.9



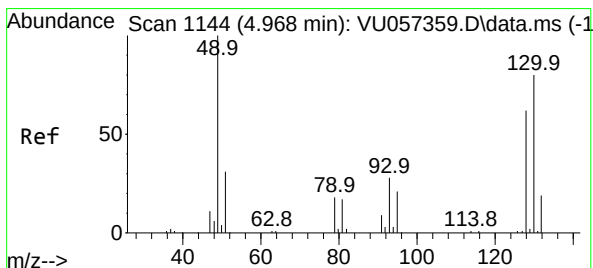
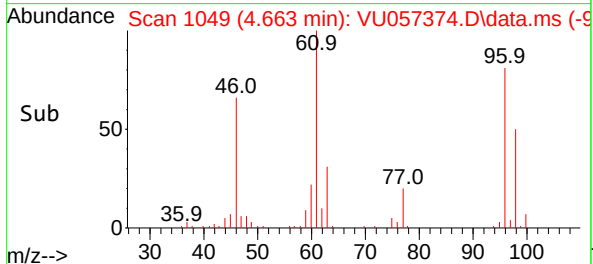
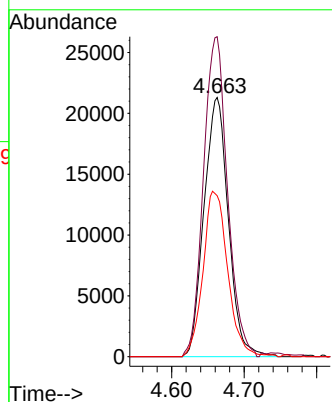


#22
 cis-1,2-Dichloroethene
 Concen: 4.388 ug/L
 RT: 4.663 min Scan# 1048
 Delta R.T. 0.003 min
 Lab File: VU057374.D
 Acq: 29 Dec 2023 16:21

Instrument :
 MSVOA_U
 ClientSampleId :

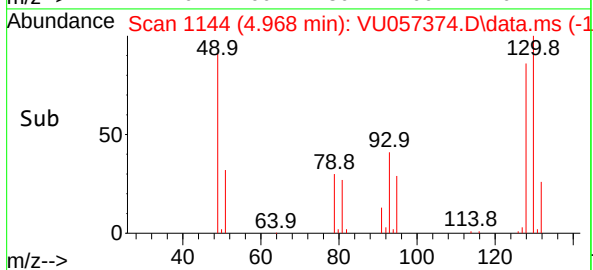
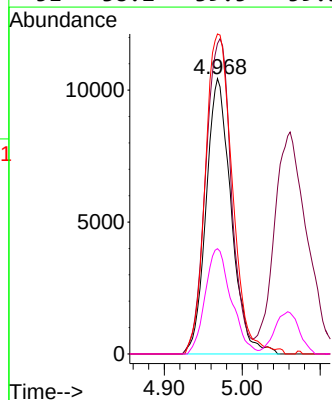
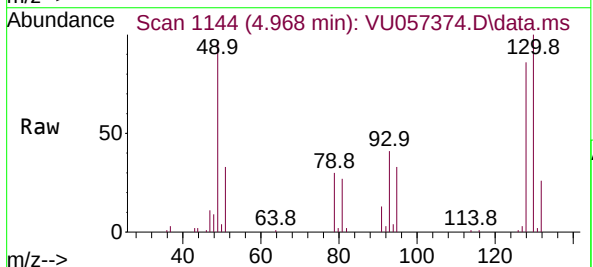


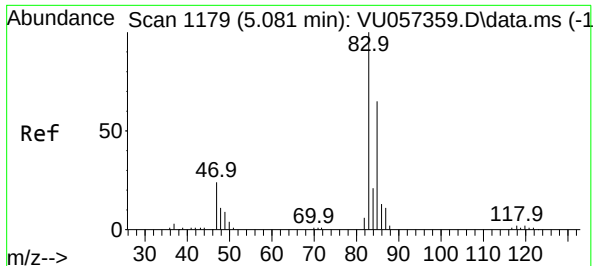
Tgt Ion: 96 Resp: 49769
 Ion Ratio Lower Upper
 96 100
 61 123.4 91.1 169.3
 98 62.1 42.6 79.0



#23
 Bromochloromethane
 Concen: 4.603 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.000 min
 Lab File: VU057374.D
 Acq: 29 Dec 2023 16:21

Tgt Ion: 128 Resp: 23340
 Ion Ratio Lower Upper
 128 100
 49 112.7 113.1 210.1#
 130 116.2 91.6 170.2
 51 38.2 39.5 59.3#





#25

Chloroform

Concen: 4.812 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU057374.D

Acq: 29 Dec 2023 16:21

Instrument :

MSVOA_U

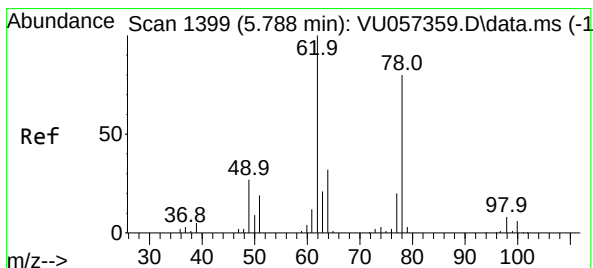
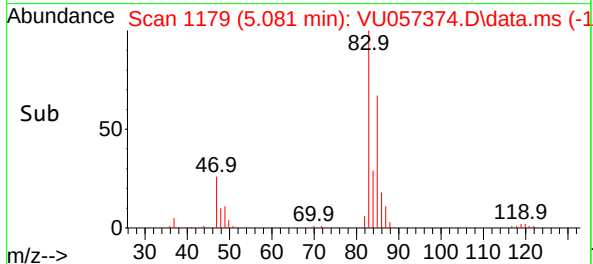
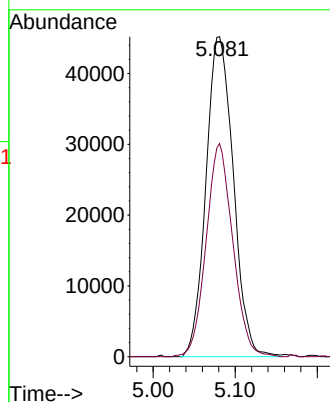
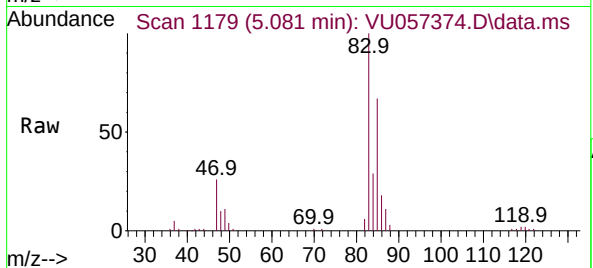
ClientSampleId :

Tgt Ion: 83 Resp: 104680

Ion Ratio Lower Upper

83 100

85 66.6 45.1 83.7



#27

1,2-Dichloroethane

Concen: 4.678 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU057374.D

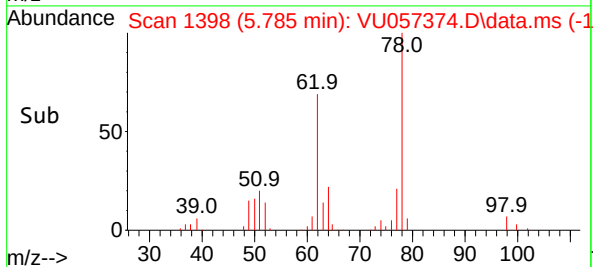
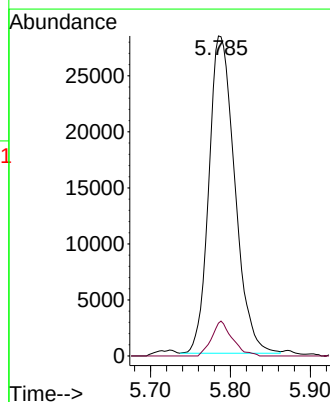
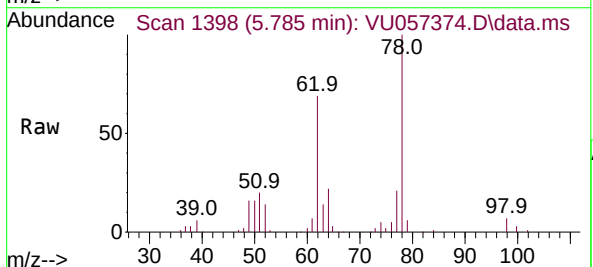
Acq: 29 Dec 2023 16:21

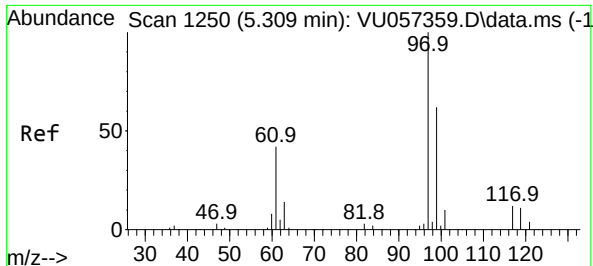
Tgt Ion: 62 Resp: 63760

Ion Ratio Lower Upper

62 100

98 10.3 7.0 10.6

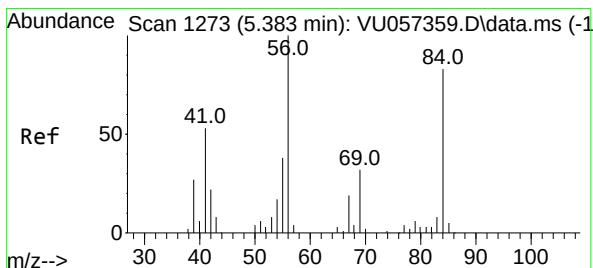
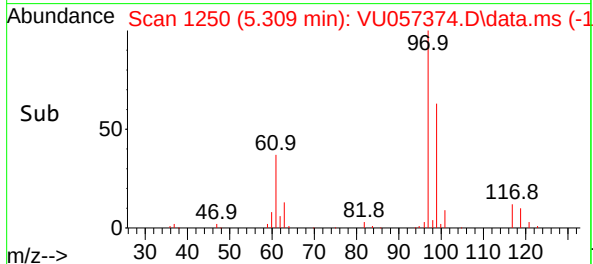
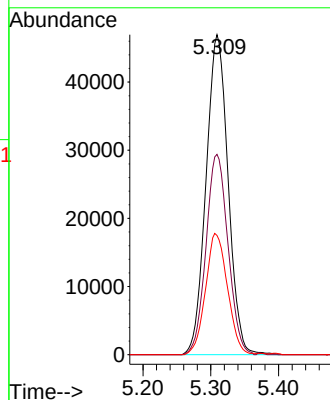
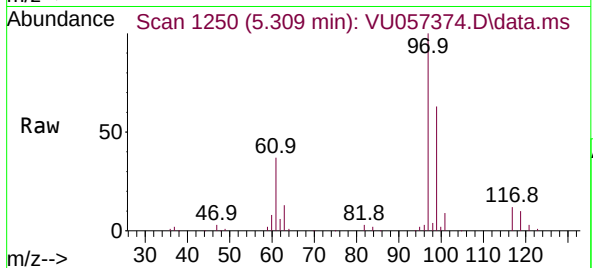




#29
1,1,1-Trichloroethane
Concen: 5.645 ug/L
RT: 5.309 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

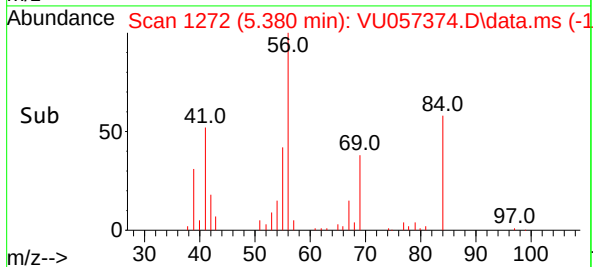
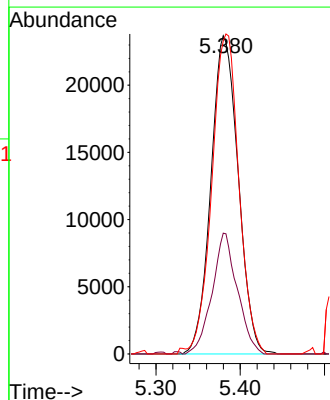
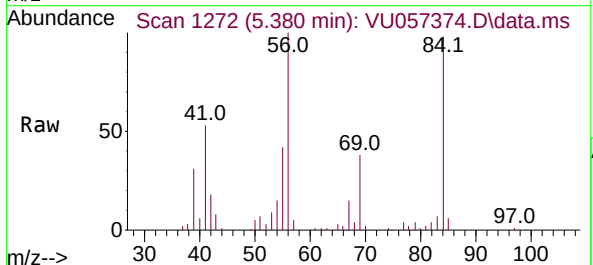
Instrument :
MSVOA_U
ClientSampleId :

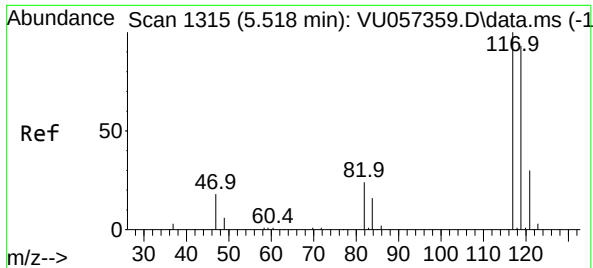
Tgt Ion: 97 Resp: 106226
Ion Ratio Lower Upper
97 100
99 62.5 51.7 77.5
61 37.8 34.1 51.1



#30
Cyclohexane
Concen: 3.793 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.003 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

Tgt Ion: 56 Resp: 53236
Ion Ratio Lower Upper
56 100
69 35.1 26.2 39.4
84 99.8 69.4 104.2

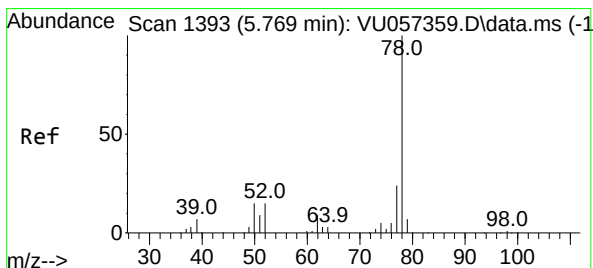
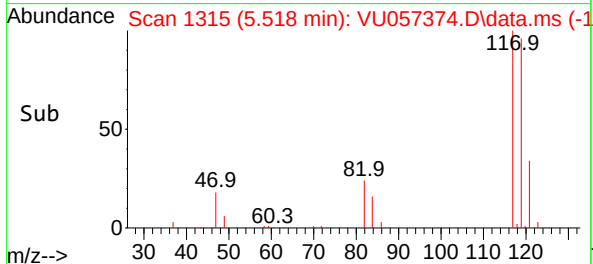
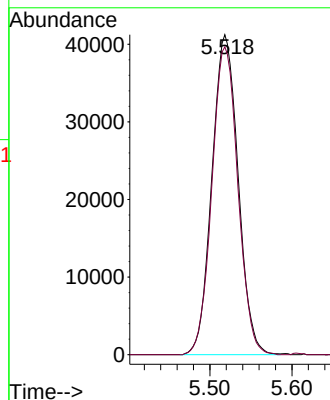
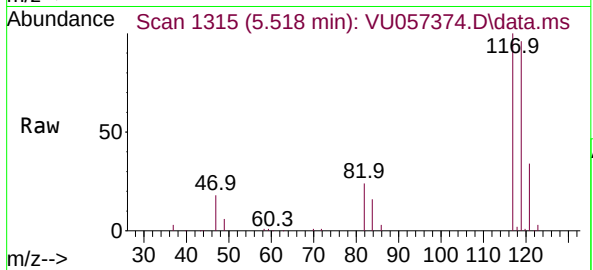




#31
Carbon tetrachloride
Concen: 5.792 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

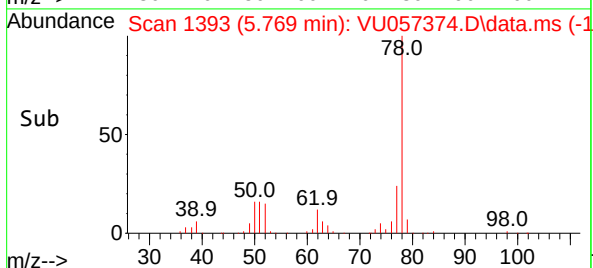
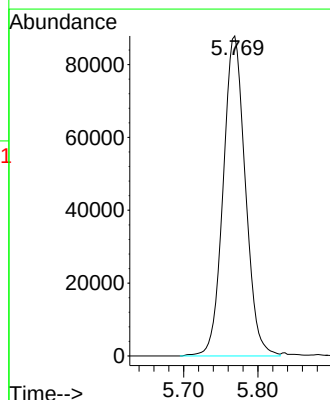
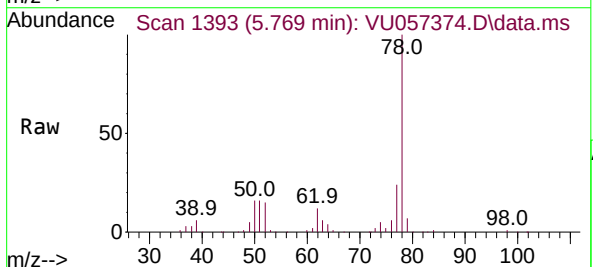
Instrument :
MSVOA_U
ClientSampleId :

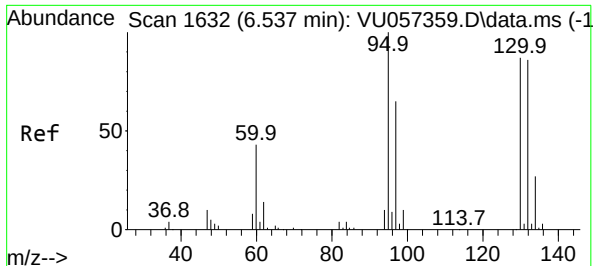
Tgt Ion:117 Resp: 91435
Ion Ratio Lower Upper
117 100
119 95.6 76.7 115.1



#33
Benzene
Concen: 4.266 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

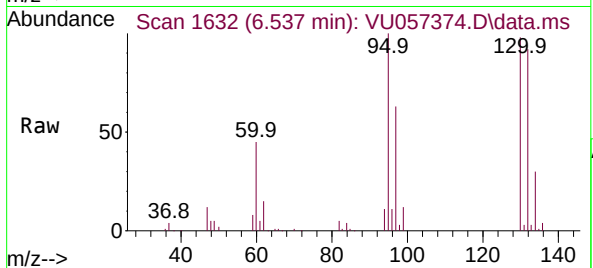
Tgt Ion: 78 Resp: 182556



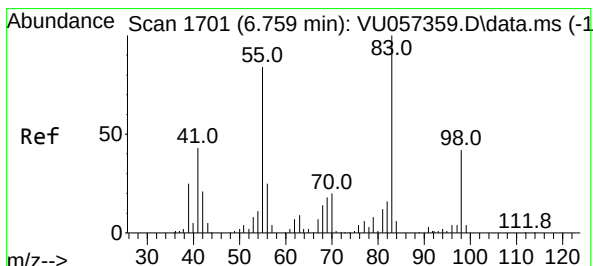
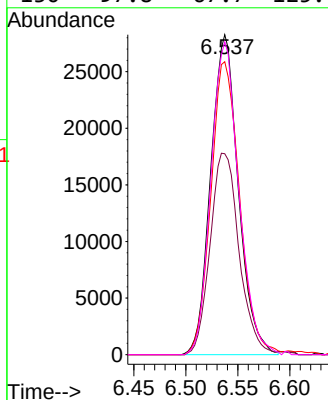
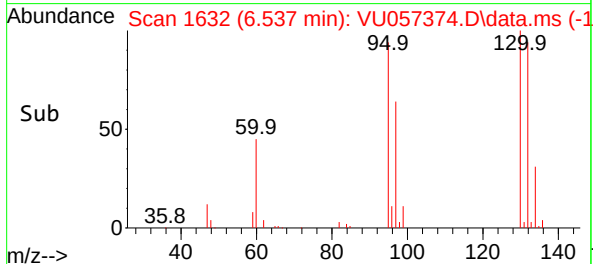


#34
Trichloroethene
Concen: 4.585 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

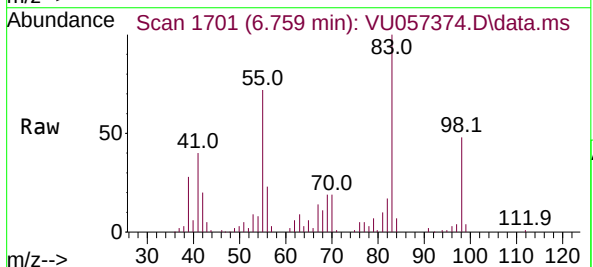
Instrument :
MSVOA_U
ClientSampleId :



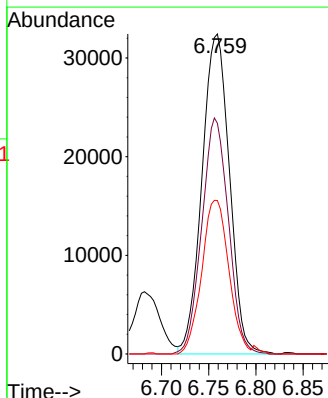
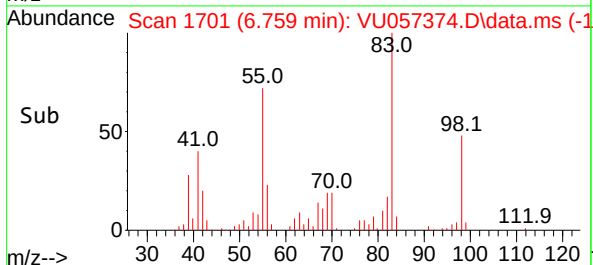
Tgt Ion: 95 Resp: 52297
Ion Ratio Lower Upper
95 100
97 62.8 45.3 84.1
132 91.6 63.1 117.3
130 97.8 67.7 125.7

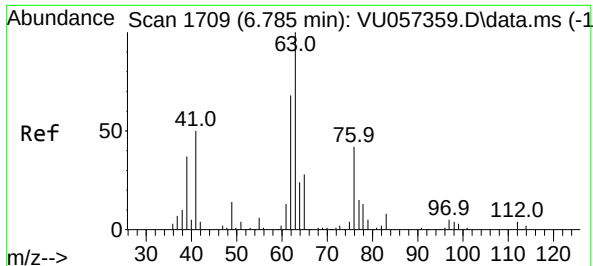


#35
Methylcyclohexane
Concen: 4.407 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21



Tgt Ion: 83 Resp: 65651
Ion Ratio Lower Upper
83 100
55 71.3 65.4 98.2
98 47.2 35.3 52.9

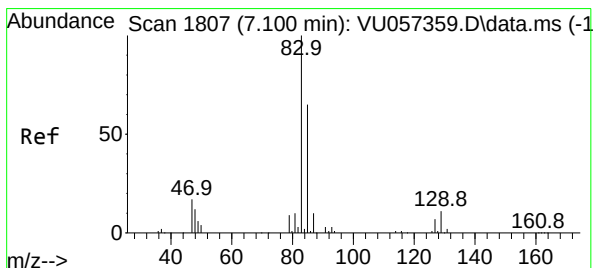
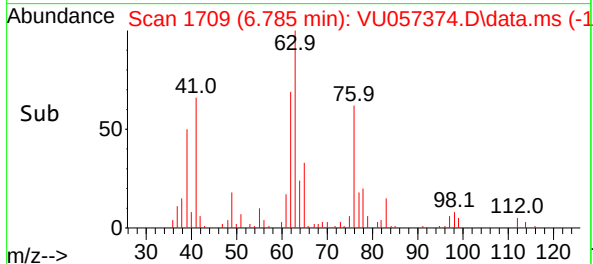
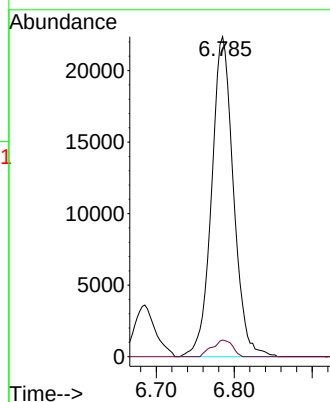
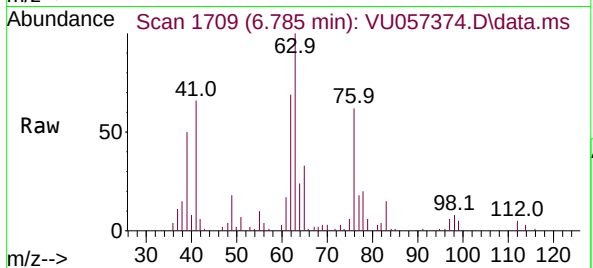




#37
1,2-Dichloropropane
Concen: 3.665 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

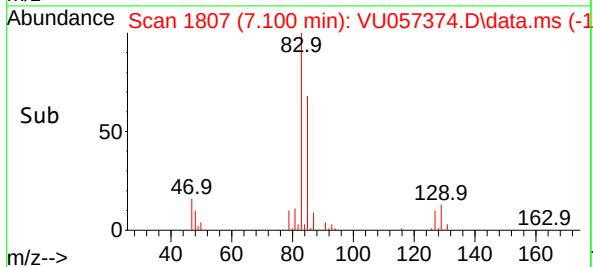
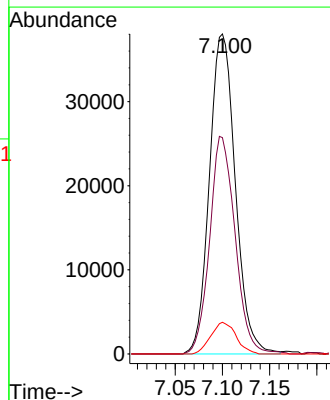
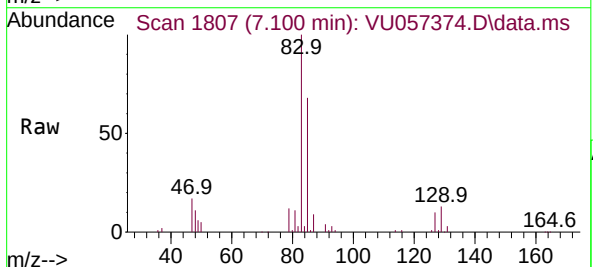
Instrument :
MSVOA_U
ClientSampleId :

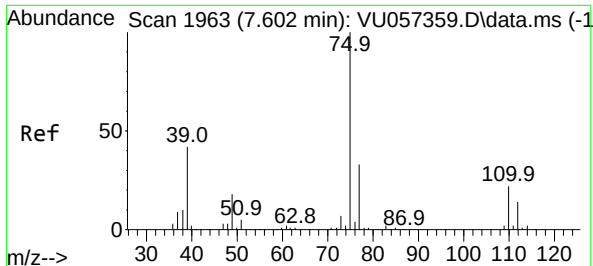
Tgt Ion: 63 Resp: 43649
Ion Ratio Lower Upper
63 100
112 4.8 2.9 4.3#



#38
Bromodichloromethane
Concen: 4.723 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

Tgt Ion: 83 Resp: 72557
Ion Ratio Lower Upper
83 100
85 67.6 42.6 79.0
127 9.9 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.154 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU057374.D

Acq: 29 Dec 2023 16:21

Instrument :

MSVOA_U

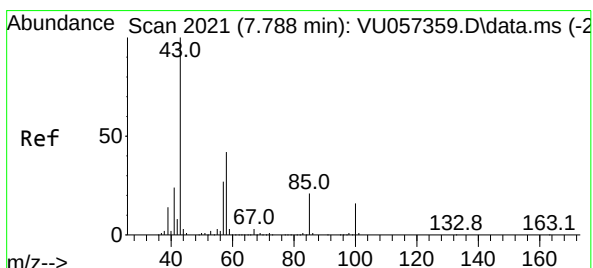
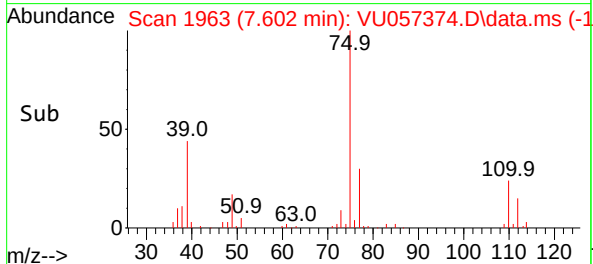
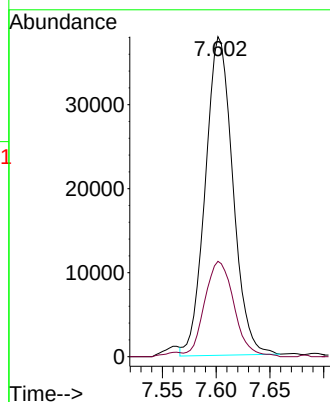
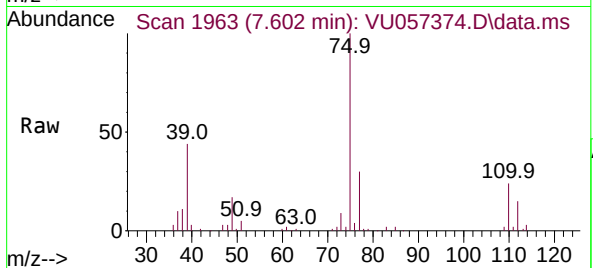
ClientSampleId :

Tgt Ion: 75 Resp: 67634

Ion Ratio Lower Upper

75 100

77 29.8 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 33.028 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VU057374.D

Acq: 29 Dec 2023 16:21

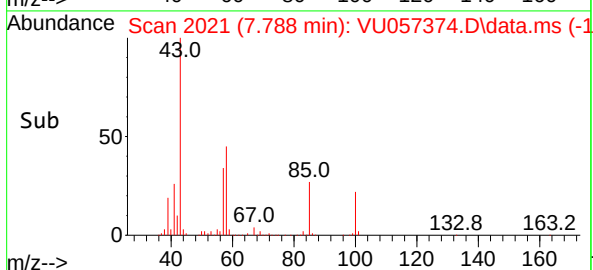
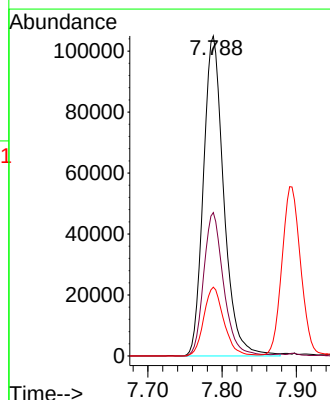
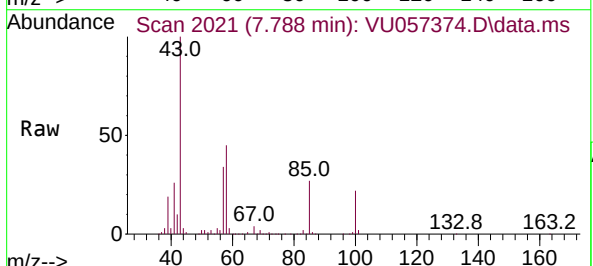
Tgt Ion: 43 Resp: 200402

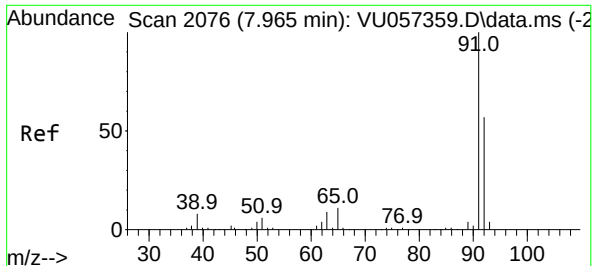
Ion Ratio Lower Upper

43 100

58 43.9 34.4 51.6

100 21.2 13.2 19.8#

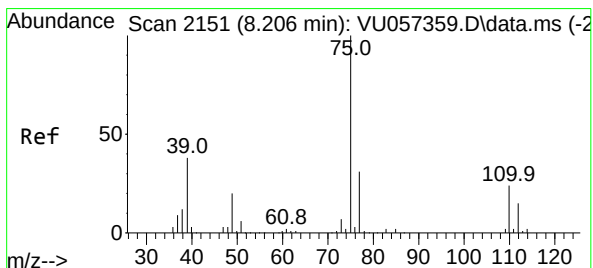
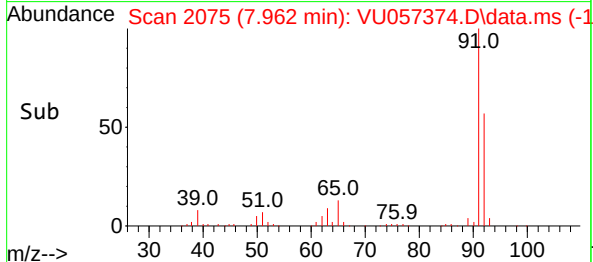
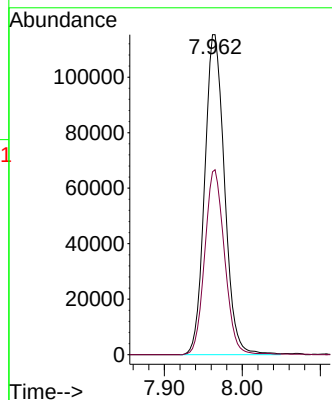
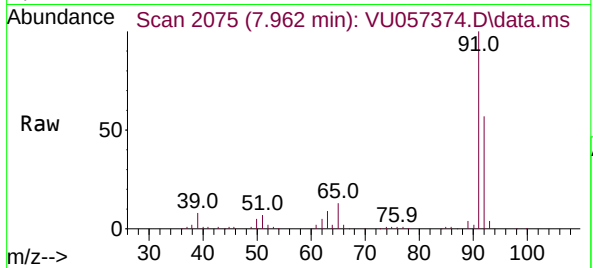




#42
Toluene
Concen: 4.430 ug/L
RT: 7.962 min Scan# 2076
Delta R.T. -0.003 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

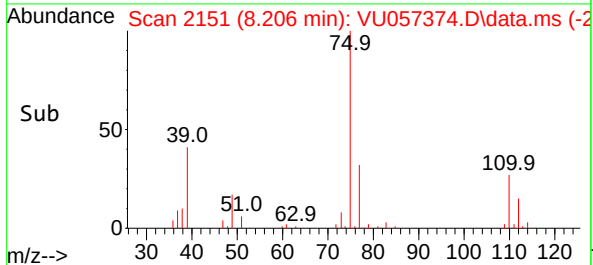
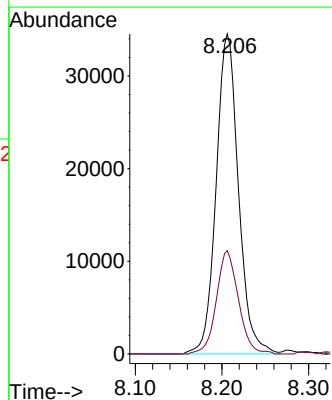
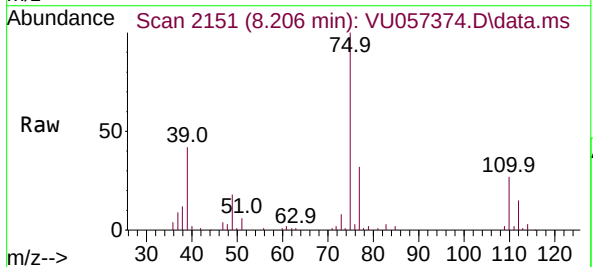
Instrument :
MSVOA_U
ClientSampleId :

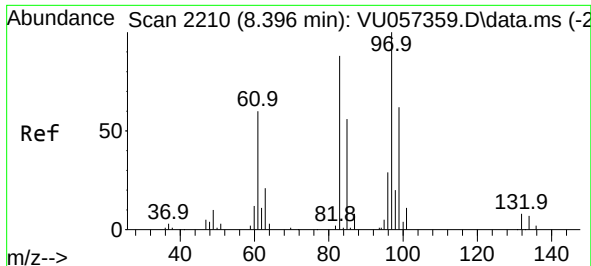
Tgt Ion: 91 Resp: 204166
Ion Ratio Lower Upper
91 100
92 57.1 41.6 77.2



#44
trans-1,3-Dichloropropene
Concen: 4.358 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

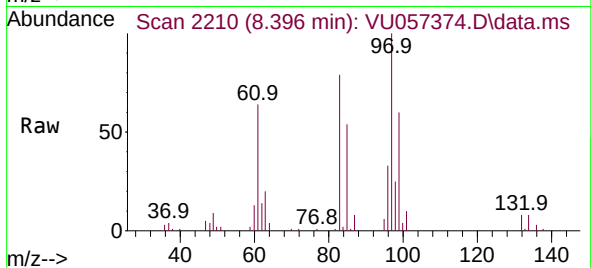
Tgt Ion: 75 Resp: 61872
Ion Ratio Lower Upper
75 100
77 32.3 22.5 41.9



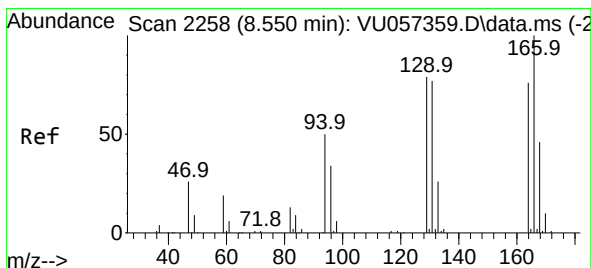
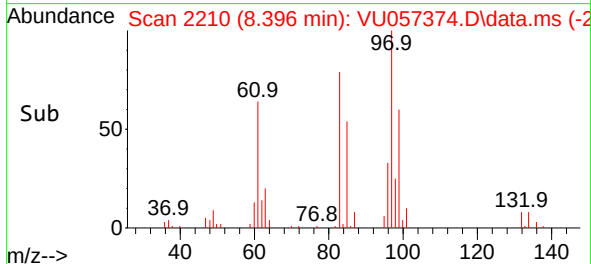
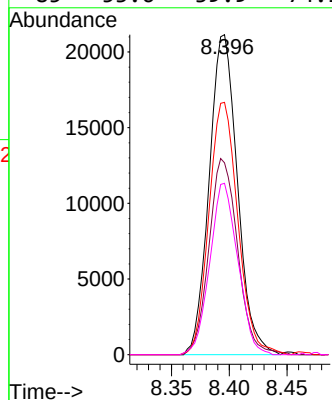


#45
1,1,2-Trichloroethane
Concen: 4.149 ug/L
RT: 8.396 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

Instrument :
MSVOA_U
ClientSampleId :

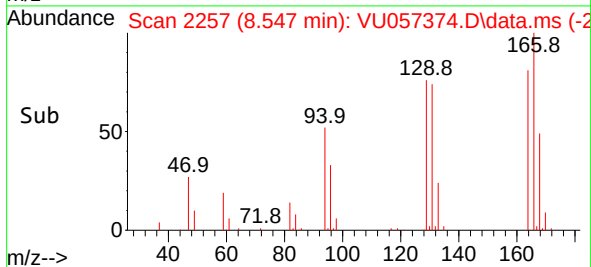
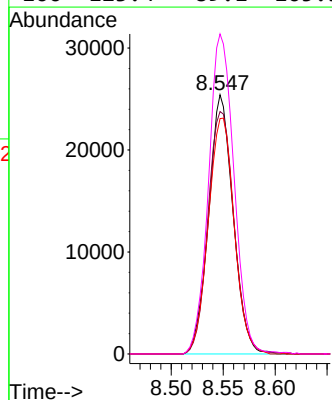
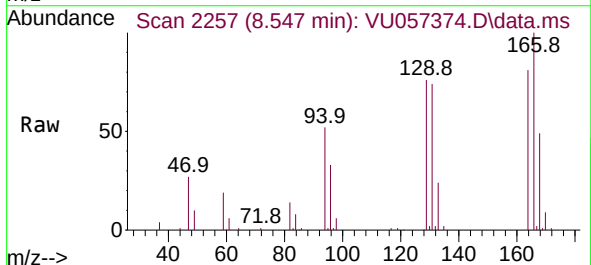


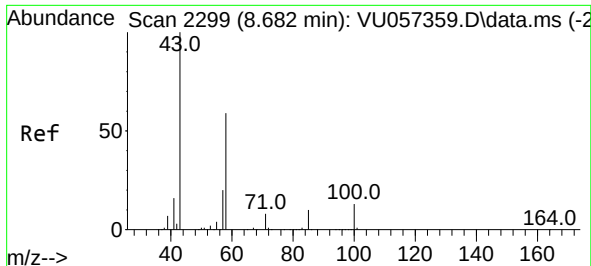
Tgt Ion:	97	Resp:	35989
Ion	Ratio	Lower	Upper
97	100		
99	59.9	44.0	81.8
83	78.8	62.3	115.7
85	53.6	39.9	74.1



#47
Tetrachloroethene
Concen: 5.168 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

Tgt Ion:	164	Resp:	41655
Ion	Ratio	Lower	Upper
164	100		
129	93.5	71.3	132.5
131	90.8	70.7	131.3
166	123.4	89.1	165.5

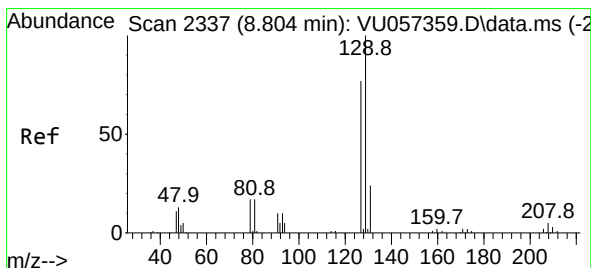
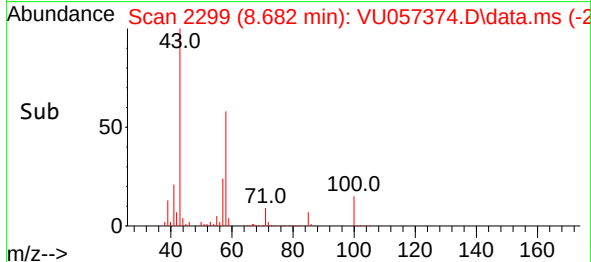
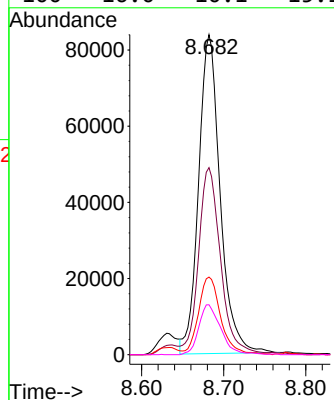
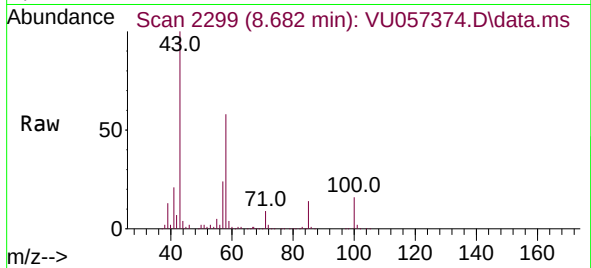




#48
2-Hexanone
Concen: 34.224 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

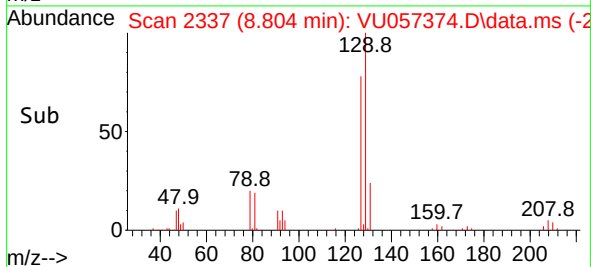
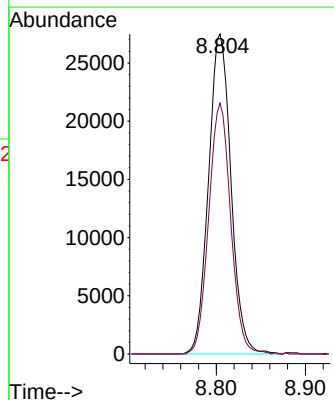
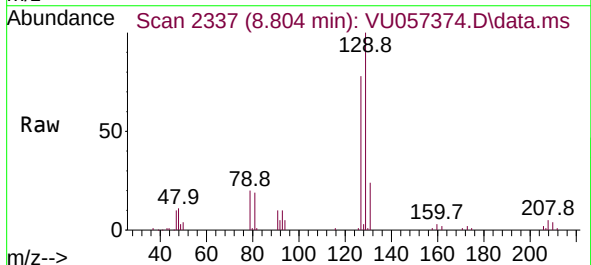
Instrument :
MSVOA_U
ClientSampleId :

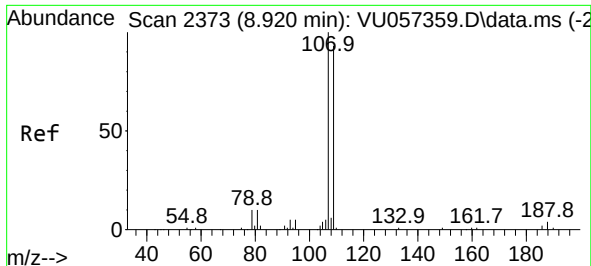
Tgt Ion: 43 Resp: 153107
Ion Ratio Lower Upper
43 100
58 58.8 48.4 72.6
57 25.2 17.4 26.2
100 16.0 10.1 15.1#



#49
Dibromochloromethane
Concen: 4.875 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

Tgt Ion:129 Resp: 48159
Ion Ratio Lower Upper
129 100
127 78.4 54.2 100.6

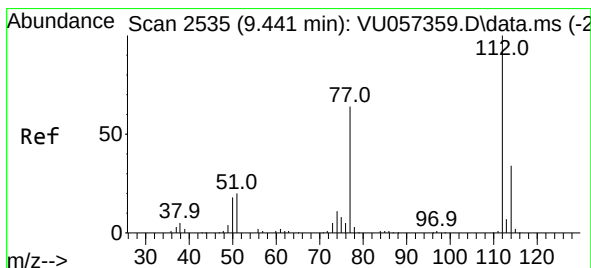
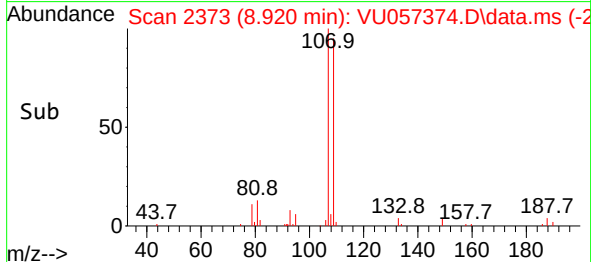
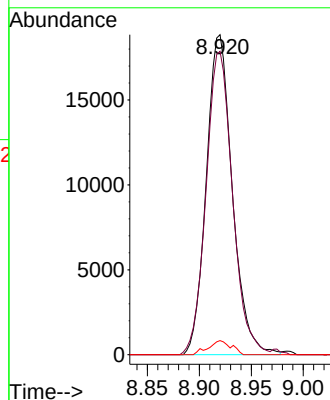
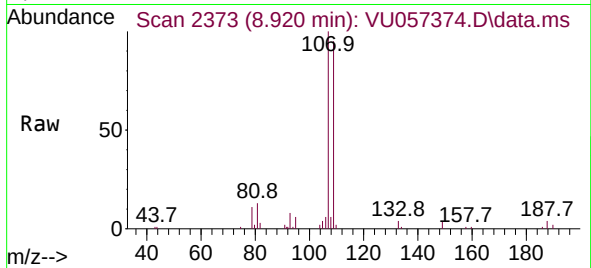




#50
1,2-Dibromoethane
Concen: 4.223 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

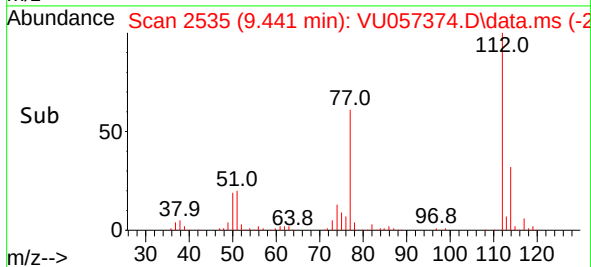
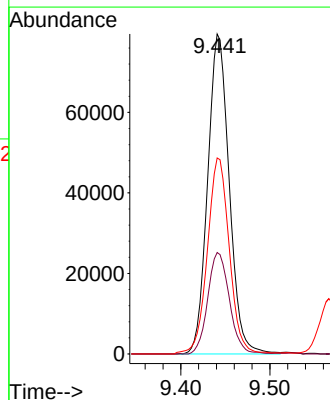
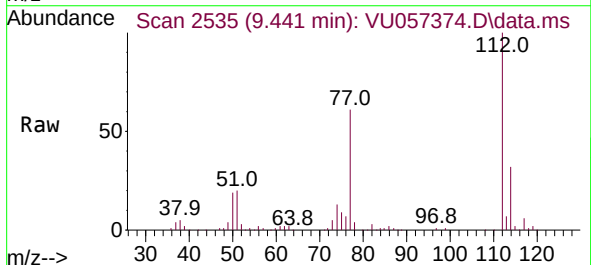
Instrument :
MSVOA_U
ClientSampleId :

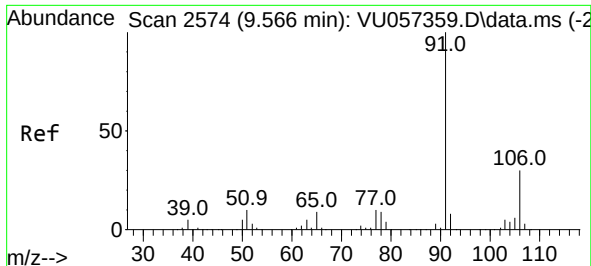
Tgt Ion:107 Resp: 32876
Ion Ratio Lower Upper
107 100
109 94.8 65.2 121.2
188 4.4 2.3 3.5#



#51
Chlorobenzene
Concen: 4.767 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

Tgt Ion:112 Resp: 133528
Ion Ratio Lower Upper
112 100
114 31.7 21.8 40.4
77 61.2 51.2 76.8

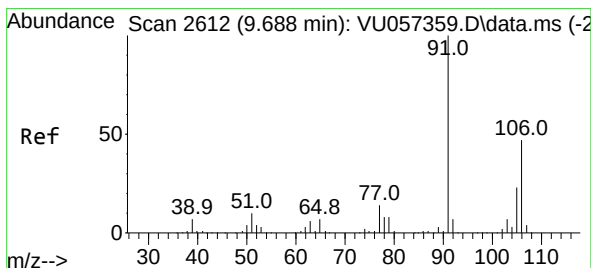
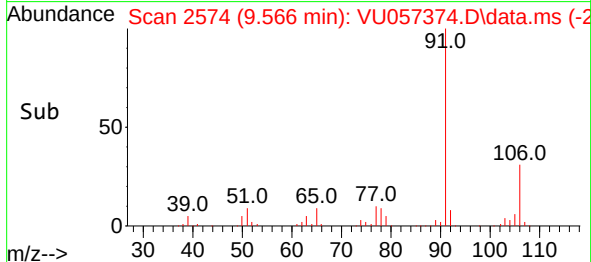
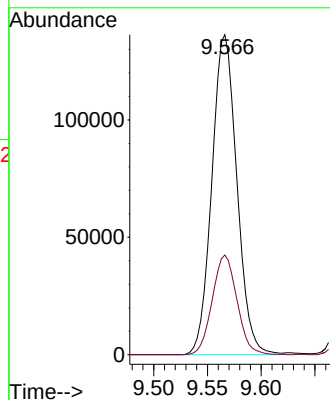
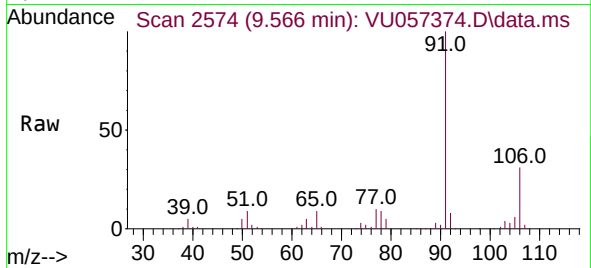




#52
Ethylbenzene
Concen: 4.799 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

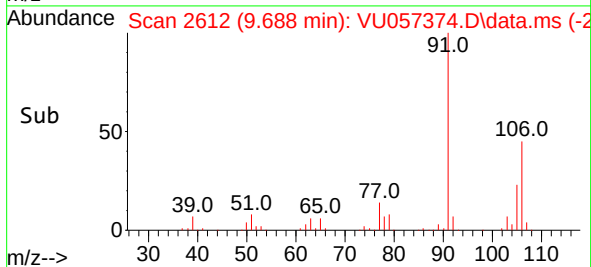
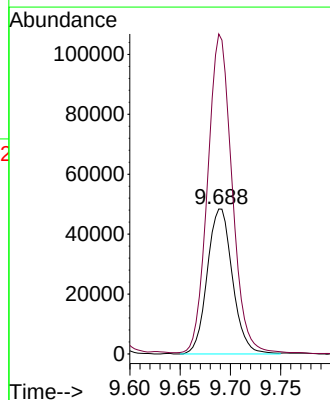
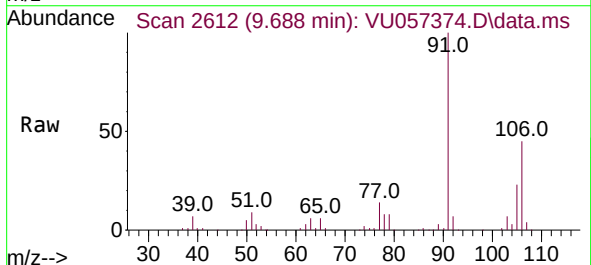
Instrument :
MSVOA_U
ClientSampleId :

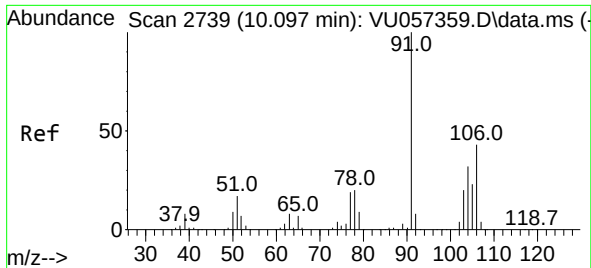
Tgt Ion: 91 Resp: 220726
Ion Ratio Lower Upper
91 100
106 31.2 21.1 39.3



#53
m,p-Xylene
Concen: 4.820 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

Tgt Ion: 106 Resp: 84408
Ion Ratio Lower Upper
106 100
91 220.6 151.5 281.5

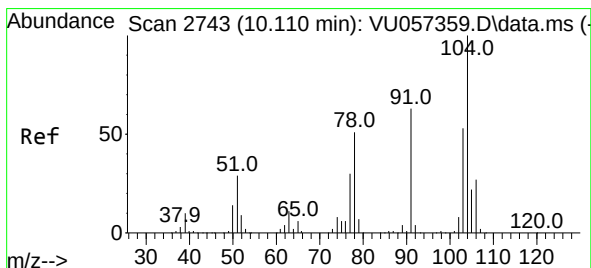
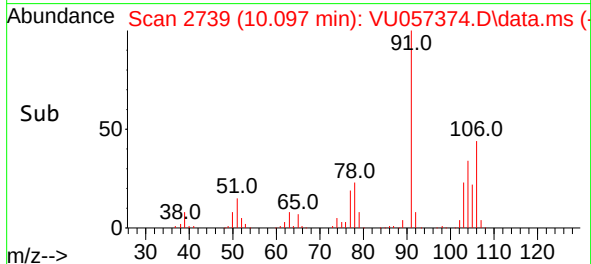
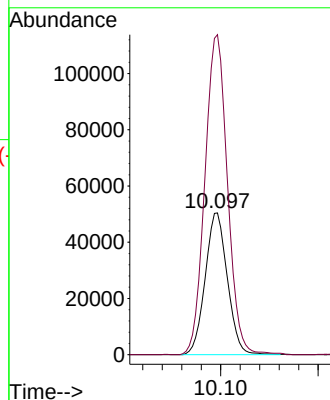
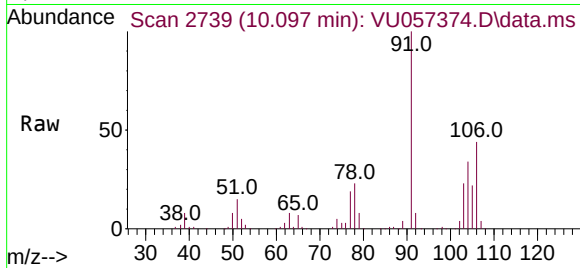




#54
o-Xylene
Concen: 4.786 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

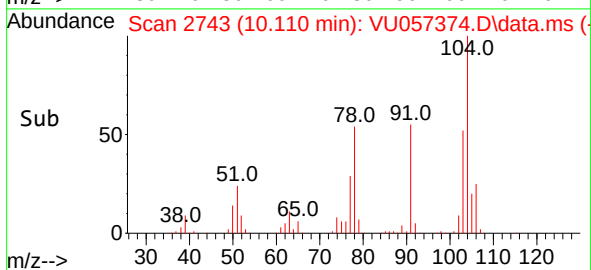
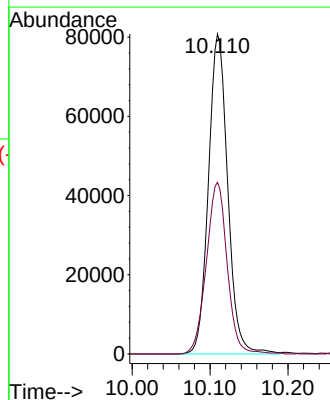
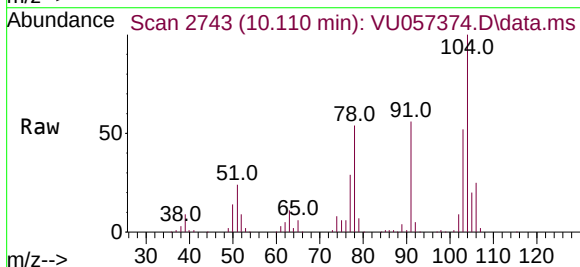
Instrument :
MSVOA_U
ClientSampleId :

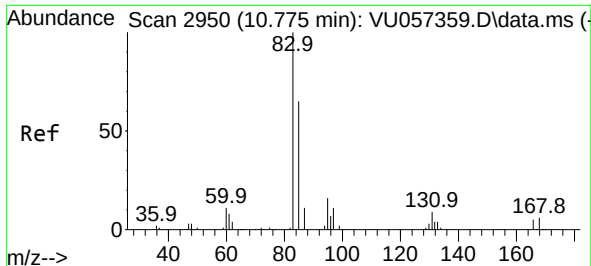
Tgt Ion:106 Resp: 79681
Ion Ratio Lower Upper
106 100
91 225.8 156.0 289.8



#55
Styrene
Concen: 4.951 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

Tgt Ion:104 Resp: 138766
Ion Ratio Lower Upper
104 100
78 53.6 36.3 67.3





#57

1,1,2,2-Tetrachloroethane

Concen: 3.710 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU057374.D

Acq: 29 Dec 2023 16:21

Instrument :

MSVOA_U

ClientSampleId :

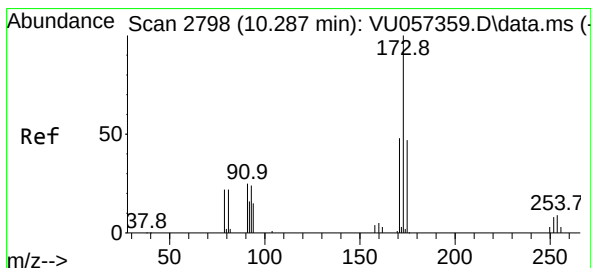
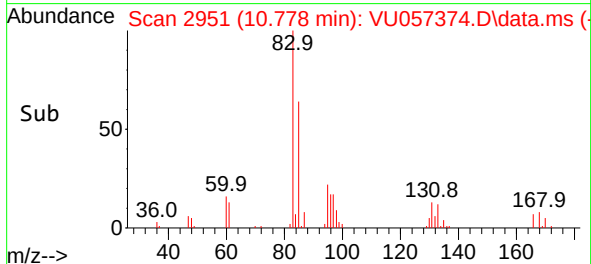
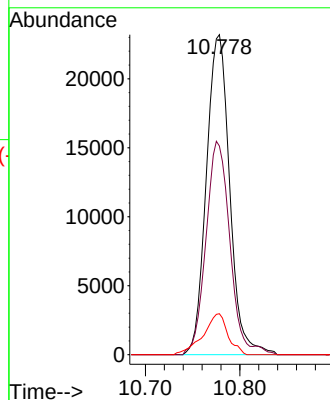
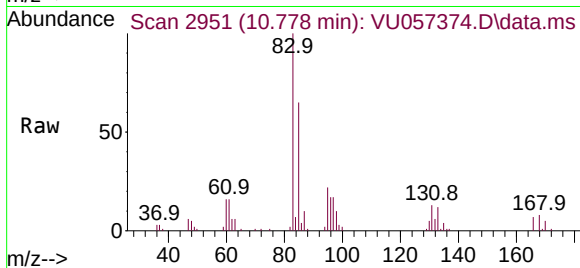
Tgt Ion: 83 Resp: 39813

Ion Ratio Lower Upper

83 100

85 65.2 44.7 83.1

131 12.8 7.7 11.5#



#59

Bromoform

Concen: 4.613 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU057374.D

Acq: 29 Dec 2023 16:21

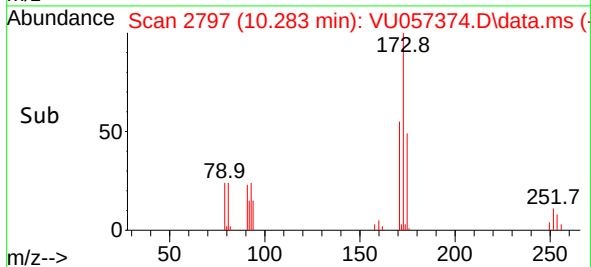
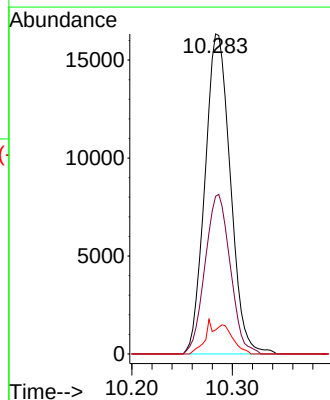
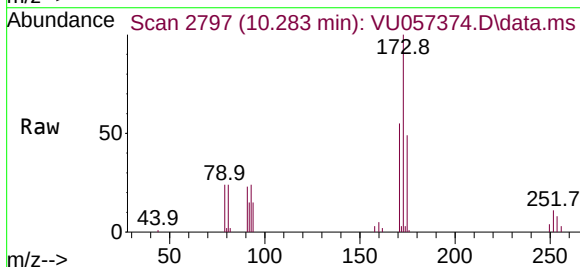
Tgt Ion:173 Resp: 28659

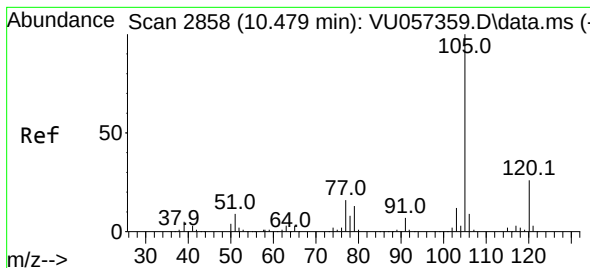
Ion Ratio Lower Upper

173 100

175 49.5 40.2 60.2

254 5.4 6.8 10.2#





#60

Isopropylbenzene

Concen: 4.672 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU057374.D

Acq: 29 Dec 2023 16:21

Instrument :

MSVOA_U

ClientSampleId :

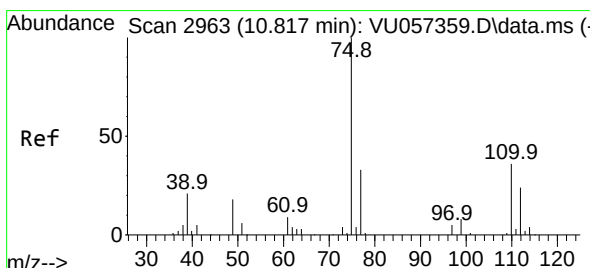
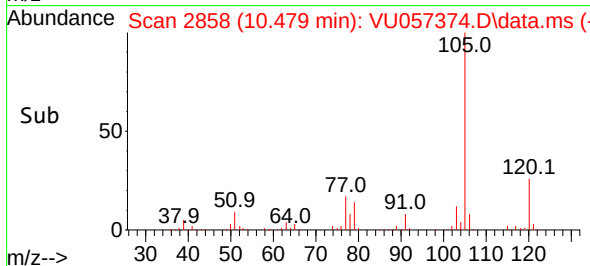
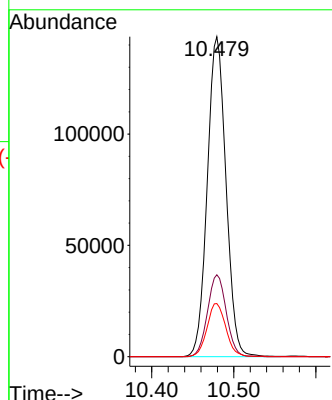
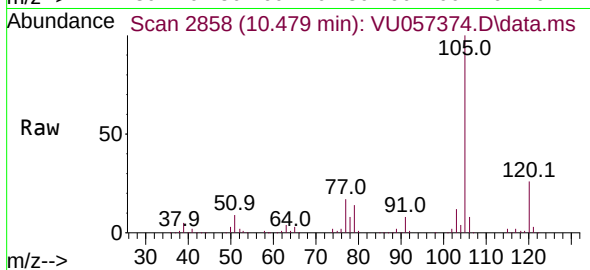
Tgt Ion:105 Resp: 227262

Ion Ratio Lower Upper

105 100

120 25.7 20.2 30.4

77 16.8 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 3.588 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU057374.D

Acq: 29 Dec 2023 16:21

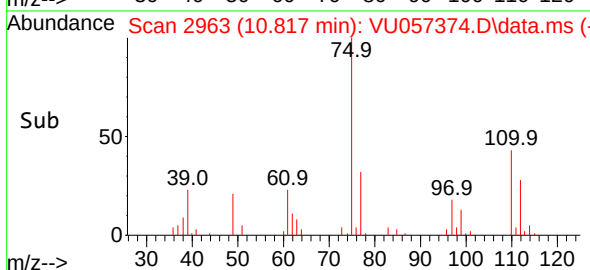
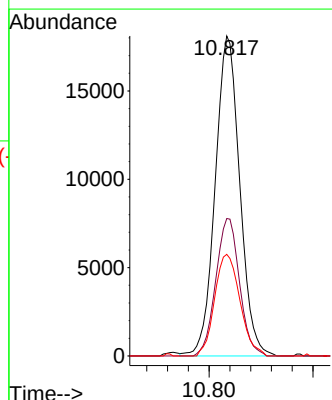
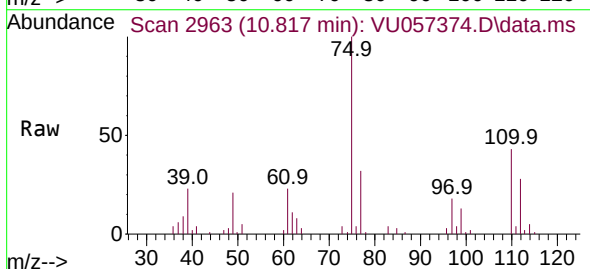
Tgt Ion: 75 Resp: 29720

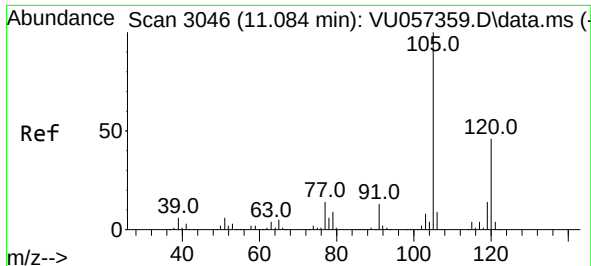
Ion Ratio Lower Upper

75 100

110 41.4 29.0 43.6

77 32.7 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 4.823 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU057374.D

Acq: 29 Dec 2023 16:21

Instrument :

MSVOA_U

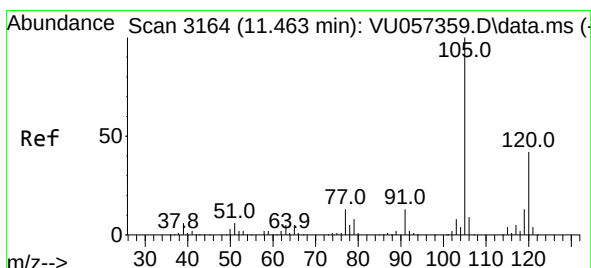
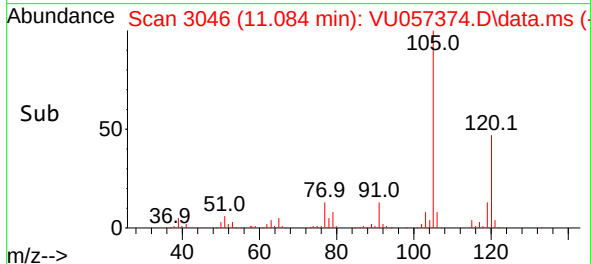
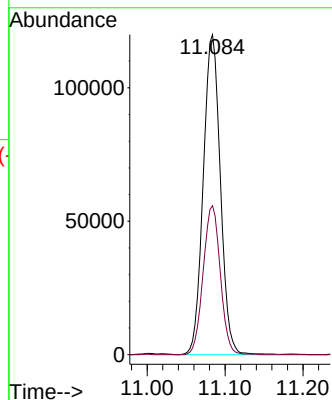
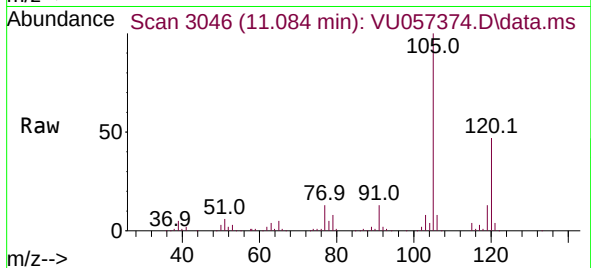
ClientSampleId :

Tgt Ion:105 Resp: 183600

Ion Ratio Lower Upper

105 100

120 46.5 36.0 54.0



#63

1,2,4-Trimethylbenzene

Concen: 4.831 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU057374.D

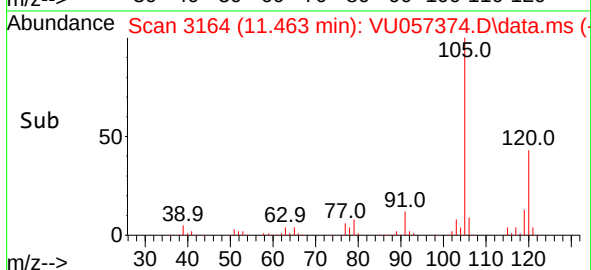
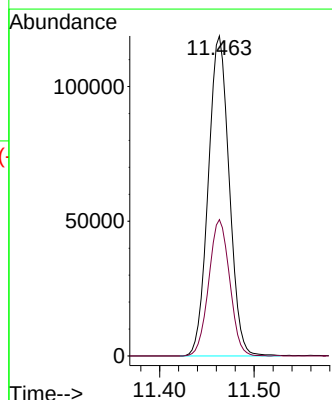
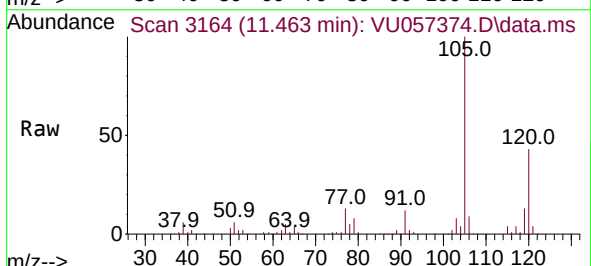
Acq: 29 Dec 2023 16:21

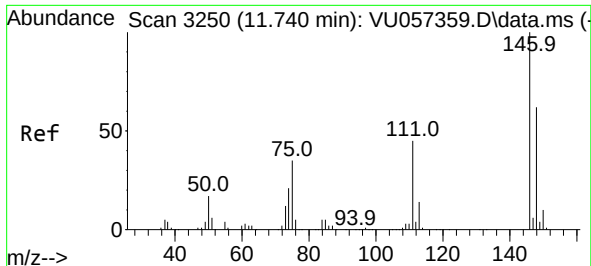
Tgt Ion:105 Resp: 182832

Ion Ratio Lower Upper

105 100

120 42.5 33.5 50.3

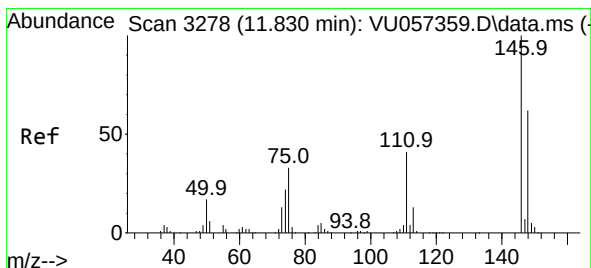
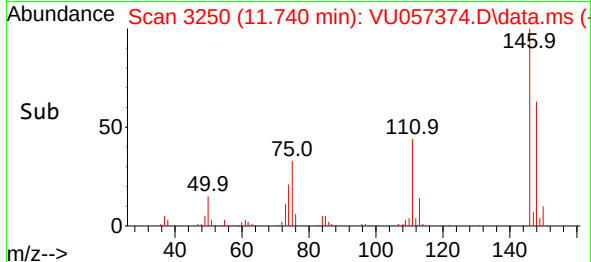
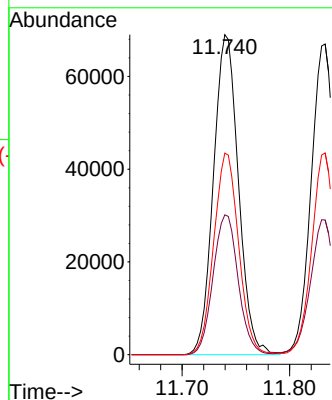
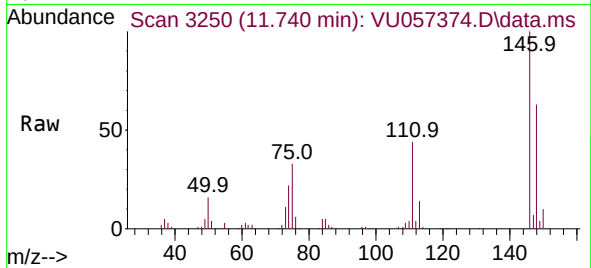




#64
 1,3-Dichlorobenzene
 Concen: 4.769 ug/L
 RT: 11.740 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VU057374.D
 Acq: 29 Dec 2023 16:21

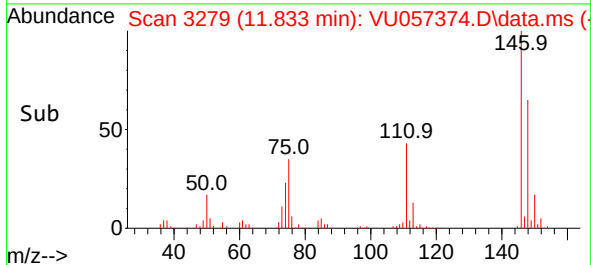
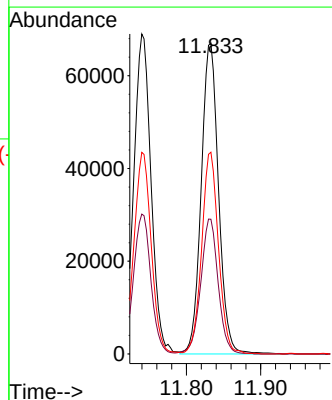
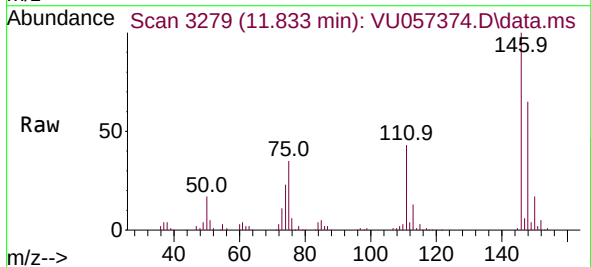
Instrument :
 MSVOA_U
 ClientSampleId :

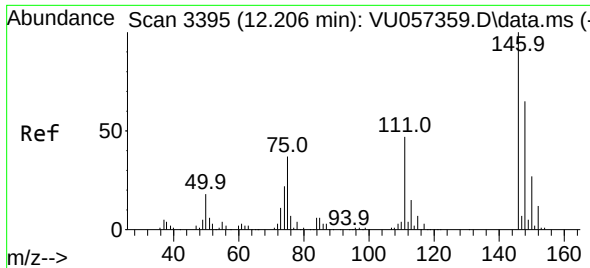
Tgt Ion:146 Resp: 111486
 Ion Ratio Lower Upper
 146 100
 111 43.7 31.4 58.2
 148 63.0 44.3 82.3



#65
 1,4-Dichlorobenzene
 Concen: 4.569 ug/L
 RT: 11.833 min Scan# 3279
 Delta R.T. 0.003 min
 Lab File: VU057374.D
 Acq: 29 Dec 2023 16:21

Tgt Ion:146 Resp: 108717
 Ion Ratio Lower Upper
 146 100
 111 43.4 30.9 57.3
 148 64.9 43.4 80.6





#67

1,2-Dichlorobenzene

Concen: 4.484 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU057374.D

Acq: 29 Dec 2023 16:21

Instrument :

MSVOA_U

ClientSampleId :

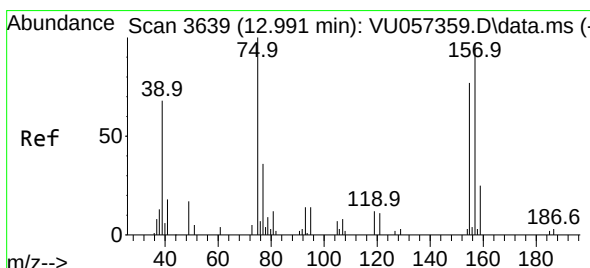
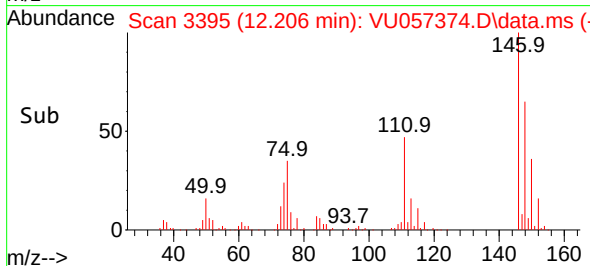
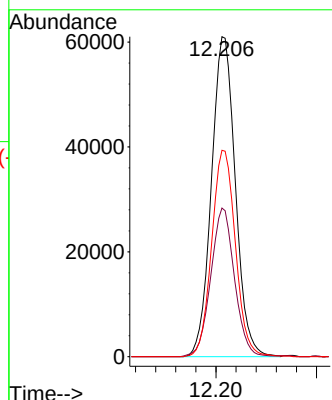
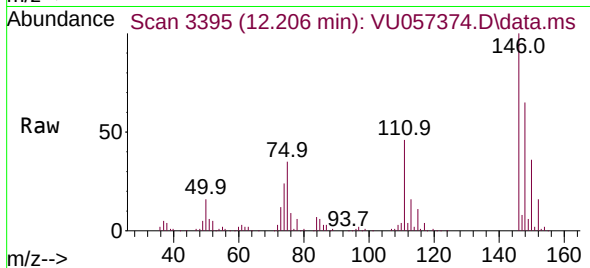
Tgt Ion:146 Resp: 100762

Ion Ratio Lower Upper

146 100

111 46.5 37.8 56.8

148 64.5 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.194 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU057374.D

Acq: 29 Dec 2023 16:21

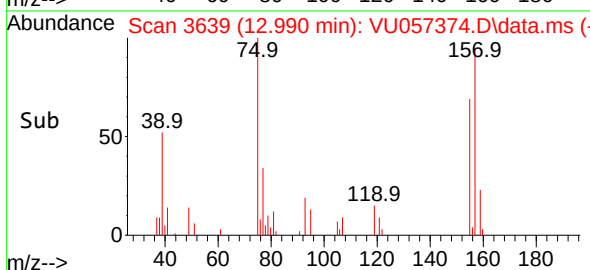
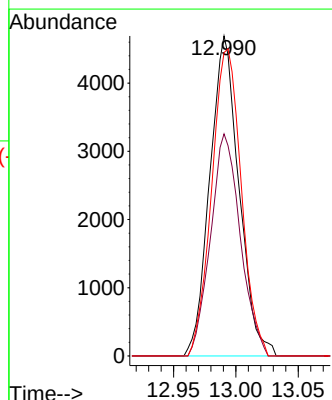
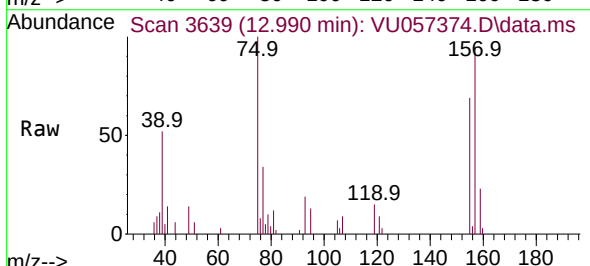
Tgt Ion: 75 Resp: 7638

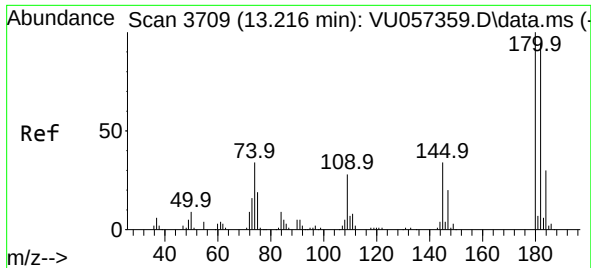
Ion Ratio Lower Upper

75 100

155 69.4 53.8 80.8

157 94.8 69.7 104.5





#69

1,3,5-Trichlorobenzene

Concen: 4.850 ug/L

RT: 13.216 min Scan# 31

Delta R.T. -0.000 min

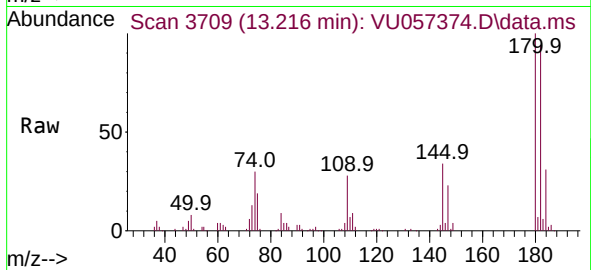
Lab File: VU057374.D

Acq: 29 Dec 2023 16:21

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 81178

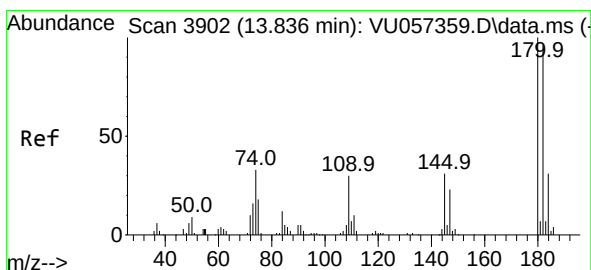
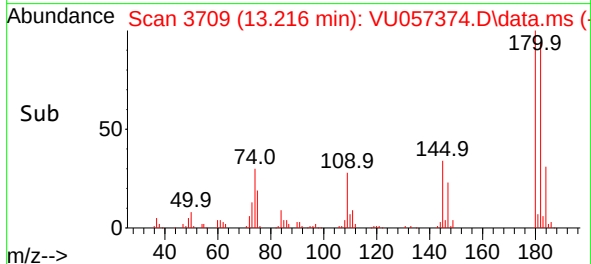
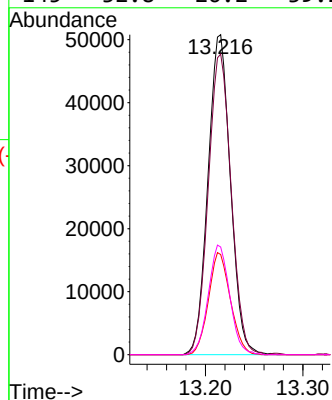
Ion Ratio Lower Upper

180 100

182 95.9 76.3 114.5

184 31.2 23.6 35.4

145 32.8 26.2 39.2



#70

1,2,4-trichlorobenzene

Concen: 4.674 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU057374.D

Acq: 29 Dec 2023 16:21

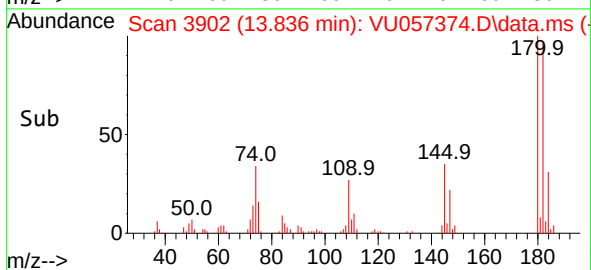
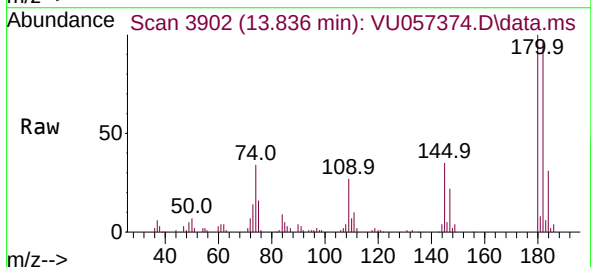
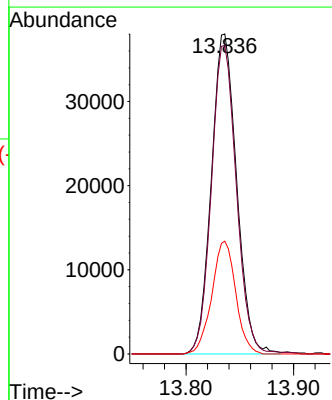
Tgt Ion:180 Resp: 62085

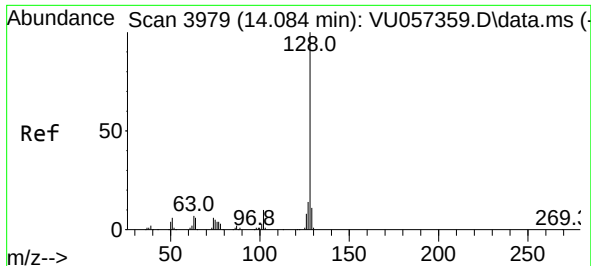
Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.4

145 33.3 26.7 40.1

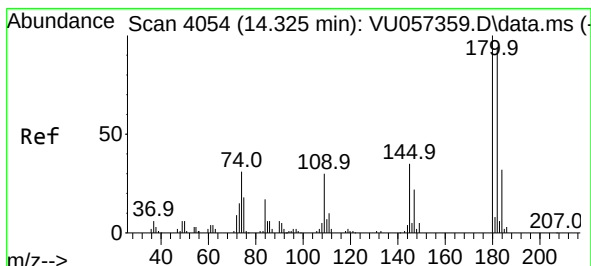
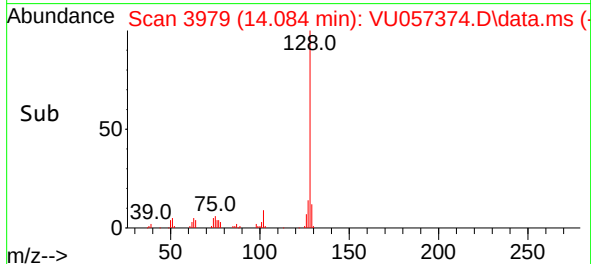
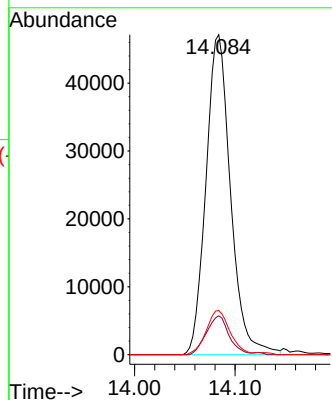
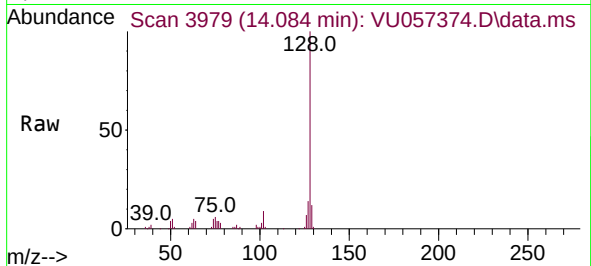




#71
Naphthalene
Concen: 3.853 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	128	Resp:	79985
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.6	13.0
127	13.5	9.8	14.6



#72
1,2,3-Trichlorobenzene
Concen: 4.463 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU057374.D
Acq: 29 Dec 2023 16:21

Tgt Ion:	180	Resp:	51671
Ion Ratio	Lower	Upper	
180	100		
182	98.4	75.8	113.8
145	33.3	28.0	42.0

