

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121923\
 Data File : VU057056.D
 Acq On : 19 Dec 2023 20:00
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 20 05:01:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 20 04:54:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	207280	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	205797	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	103434	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	80209	4.514	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.200%
7) Chloroethane-d5	1.911	69	60334	4.538	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.800%
11) 1,1-Dichloroethene-d2	2.563	65	34414	4.527	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.600%
20) 2-Butanone-d5	4.621	46	137455	39.174	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.340%
24) Chloroform-d	5.055	84	157381	4.678	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.695	65	71942	4.519	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
32) Benzene-d6	5.721	84	286540	4.489	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
36) 1,2-Dichloropropane-d6	6.685	67	84524	4.231	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.600%
41) Toluene-d8	7.891	98	265327	4.651	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
43) trans-1,3-Dichloroprop...	8.174	79	35072	4.527	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.600%
46) 2-Hexanone-d5	8.627	63	122613	41.958	ug/L	-0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.920%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	62986	4.357	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	87946	4.325	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	101633	4.679	ug/L	97
3) Chloromethane	1.515	50	104265	4.882	ug/L	93
5) Vinyl chloride	1.602	62	108217	5.103	ug/L	99
6) Bromomethane	1.853	94	58724	4.696	ug/L	94
8) Chloroethane	1.930	64	62455	5.027	ug/L	97
9) Trichlorofluoromethane	2.136	101	170024	5.688	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	88431	4.824	ug/L	97
12) 1,1-Dichloroethene	2.576	96	79096	4.700	ug/L	94
13) Acetone	2.631	43	94665	44.271	ug/L	96
14) Carbon disulfide	2.788	76	241370	4.134	ug/L	99
15) Methyl Acetate	2.946	43	25390	4.362	ug/L	99
16) Methylene chloride	3.039	84	88618	4.833	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	182999	4.904	ug/L	96
18) trans-1,2-Dichloroethene	3.348	96	80929	4.743	ug/L	97
19) 1,1-Dichloroethane	3.862	63	157937	4.812	ug/L	99
21) 2-Butanone	4.698	43	153995	42.705	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	89172	4.804	ug/L	98
23) Bromochloromethane	4.968	128	38195	4.915	ug/L	94
25) Chloroform	5.081	83	176177	5.124	ug/L	98

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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 20 05:01:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 20 04:54:16 2023
 Response via : Initial Calibration

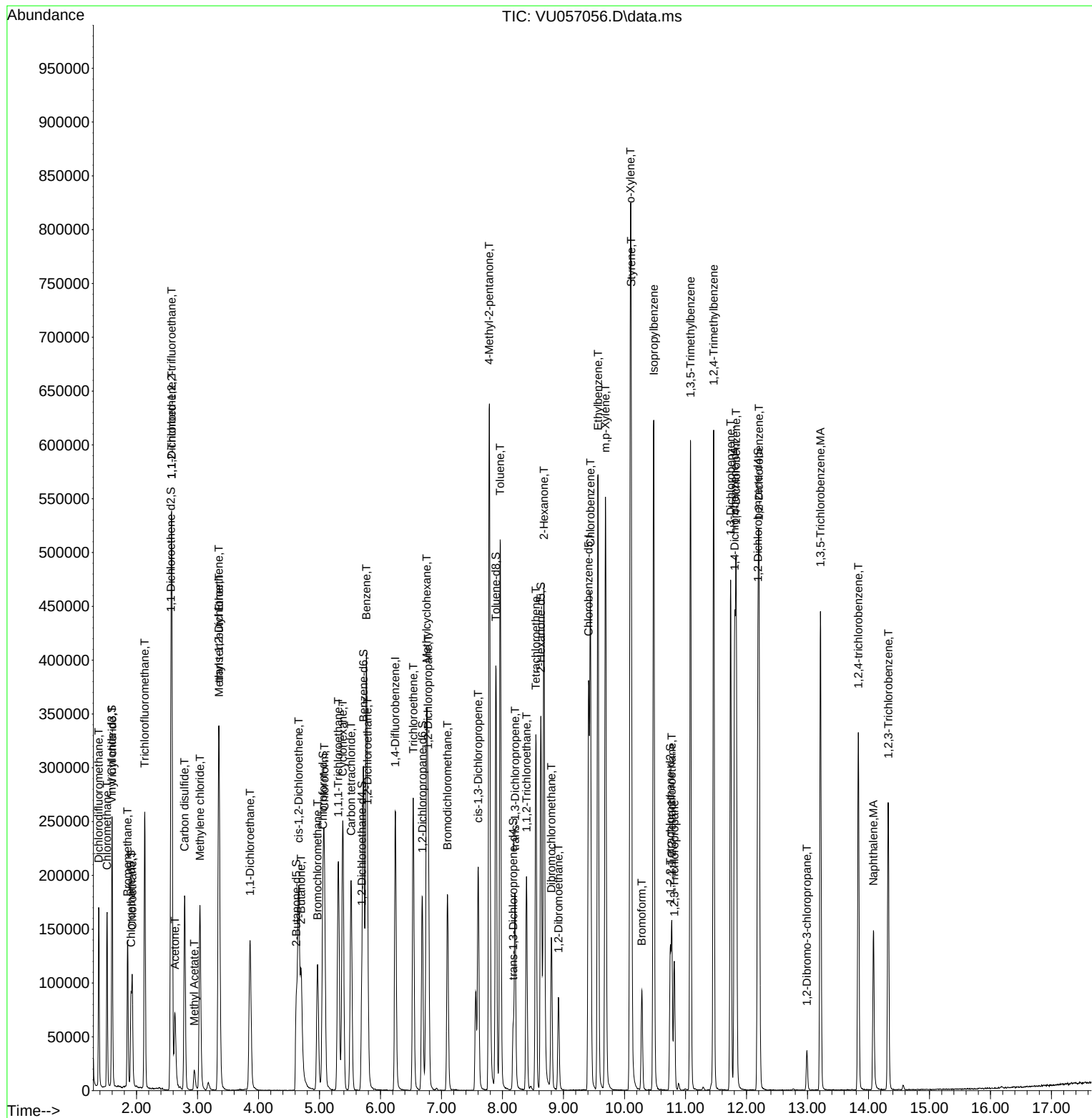
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	103418	5.086	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	160924	5.409	ug/L	99
30) Cyclohexane	5.380	56	120762	4.325	ug/L	94
31) Carbon tetrachloride	5.518	117	137996	5.337	ug/L	99
33) Benzene	5.766	78	354863	4.906	ug/L	100
34) Trichloroethene	6.537	95	98017	4.940	ug/L	98
35) Methylcyclohexane	6.759	83	130425	4.455	ug/L	97
37) 1,2-Dichloropropane	6.782	63	90920	4.914	ug/L	100
38) Bromodichloromethane	7.097	83	121583	5.153	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	128856	4.779	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	395505	45.019	ug/L	98
42) Toluene	7.962	91	377717	5.047	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	106882	4.836	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	60860	4.866	ug/L	97
47) Tetrachloroethene	8.547	164	68838	4.958	ug/L	97
48) 2-Hexanone	8.679	43	286350	45.764	ug/L	98
49) Dibromochloromethane	8.801	129	73413	5.106	ug/L	99
50) 1,2-Dibromoethane	8.917	107	58470	5.037	ug/L	98
51) Chlorobenzene	9.441	112	235394	4.935	ug/L	97
52) Ethylbenzene	9.566	91	410441	4.972	ug/L	100
53) m,p-Xylene	9.688	106	156952	5.103	ug/L	94
54) o-Xylene	10.097	106	145855	4.978	ug/L	99
55) Styrene	10.110	104	254182	5.283	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	69908	4.626	ug/L #	96
59) Bromoform	10.283	173	42071	4.982	ug/L	98
60) Isopropylbenzene	10.479	105	404679	4.952	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	51255	4.615	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	331605	4.965	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	332079	5.006	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	185343	4.794	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	182009	4.782	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	166629	4.732	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	11097	5.005	ug/L	91
69) 1,3,5-Trichlorobenzene	13.212	180	131493	4.502	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	96943	4.191	ug/L	98
71) Naphthalene	14.080	128	123866	3.659	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	79982	4.073	ug/L	99

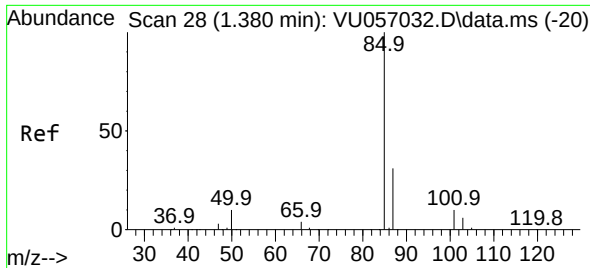
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Data File : VU057056.D
Acq On : 19 Dec 2023 20:00
Operator : MD/SY
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 20 05:01:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 20 04:54:16 2023
Response via : Initial Calibration

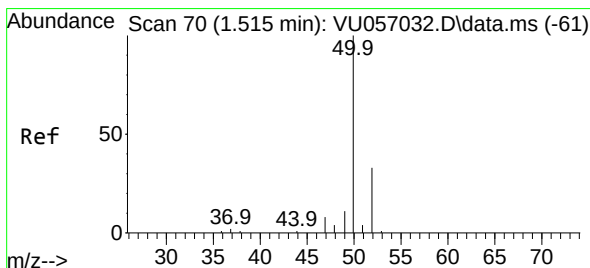
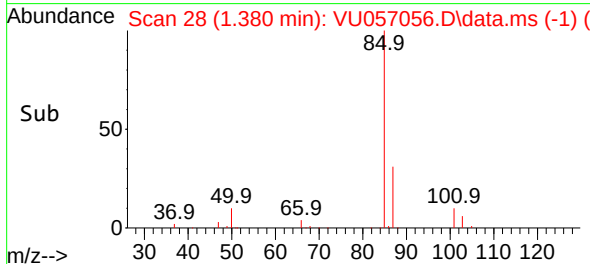
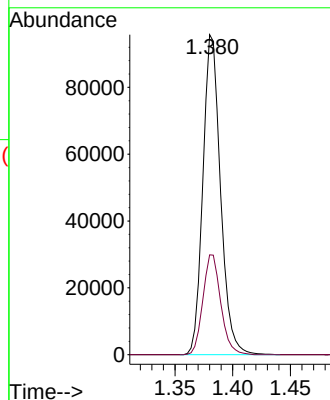
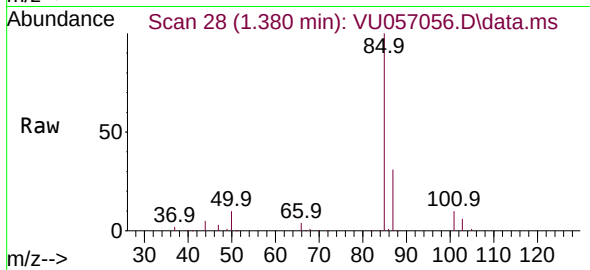




#2
 Dichlorodifluoromethane
 Concen: 4.679 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VU057056.D
 Acq: 19 Dec 2023 20:00

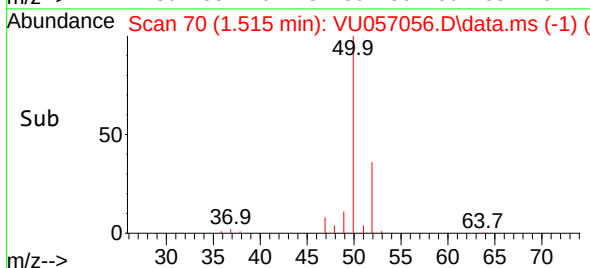
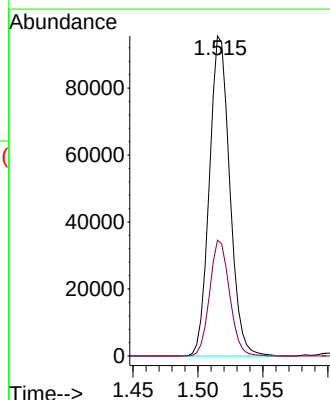
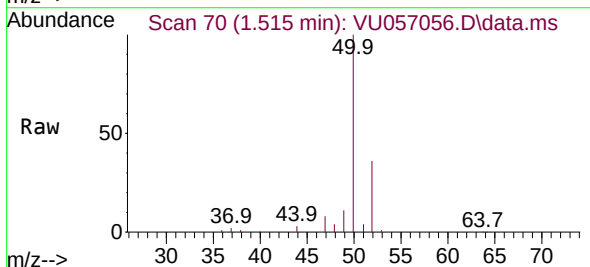
Instrument :
 MSVOA_U
 ClientSampleId :

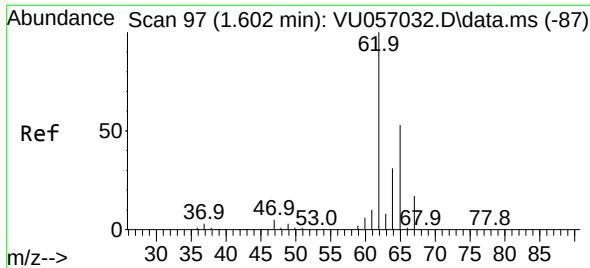
Tgt Ion: 85 Resp: 101633
 Ion Ratio Lower Upper
 85 100
 87 31.7 26.8 40.2



#3
 Chloromethane
 Concen: 4.882 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU057056.D
 Acq: 19 Dec 2023 20:00

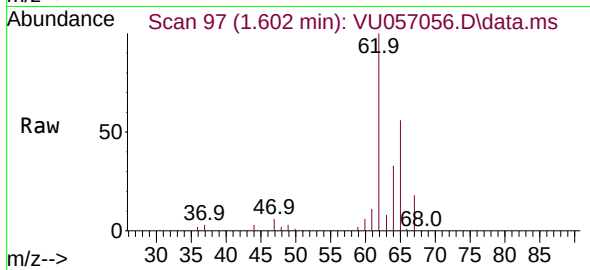
Tgt Ion: 50 Resp: 104265
 Ion Ratio Lower Upper
 50 100
 52 36.2 22.5 41.7



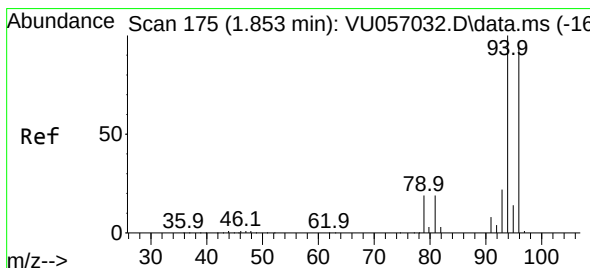
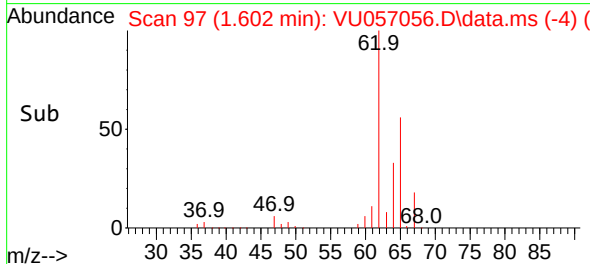
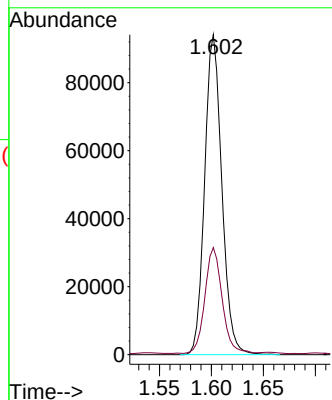


#5
 Vinyl chloride
 Concen: 5.103 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057056.D
 Acq: 19 Dec 2023 20:00

Instrument :
 MSVOA_U
 ClientSampleId :

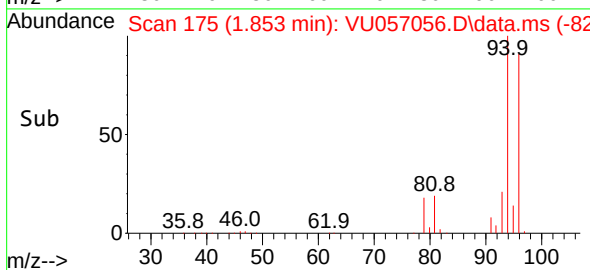
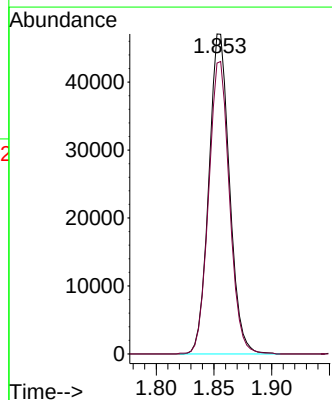
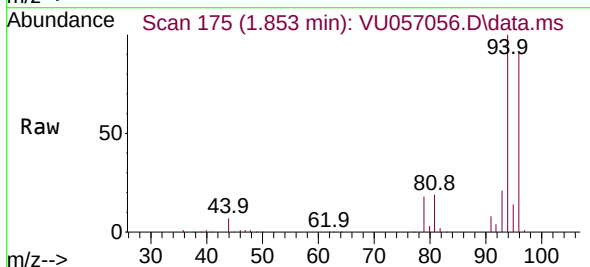


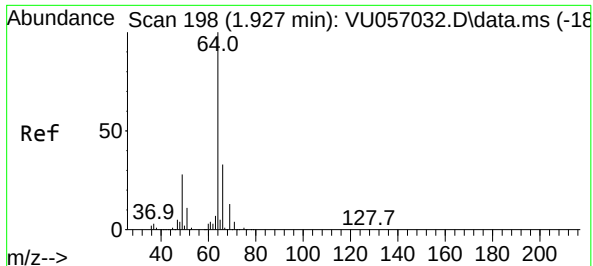
Tgt Ion: 62 Resp: 108217
 Ion Ratio Lower Upper
 62 100
 64 33.4 22.8 42.4



#6
 Bromomethane
 Concen: 4.696 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.000 min
 Lab File: VU057056.D
 Acq: 19 Dec 2023 20:00

Tgt Ion: 94 Resp: 58724
 Ion Ratio Lower Upper
 94 100
 96 90.9 67.8 125.8

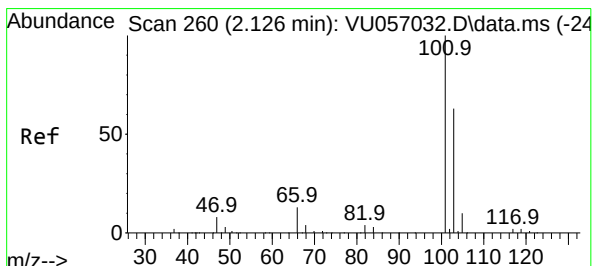
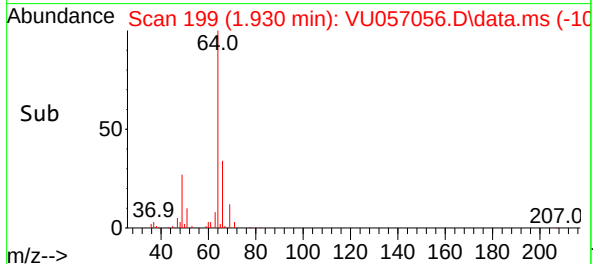
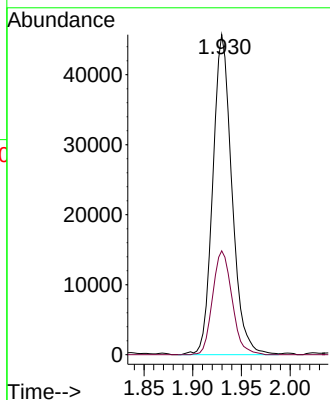
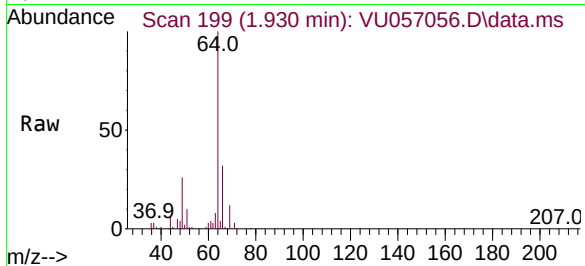




#8
Chloroethane
Concen: 5.027 ug/L
RT: 1.930 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

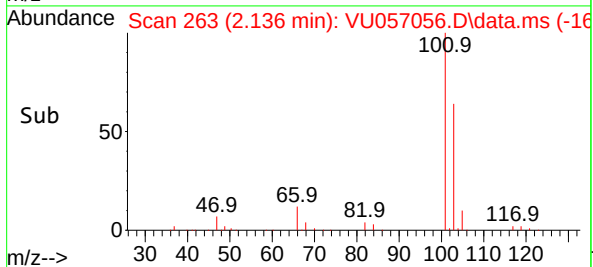
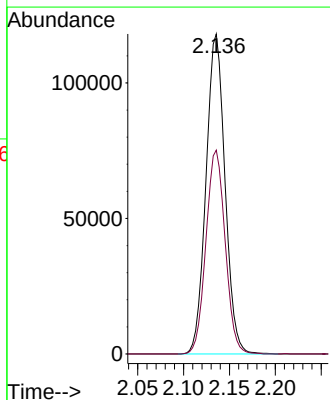
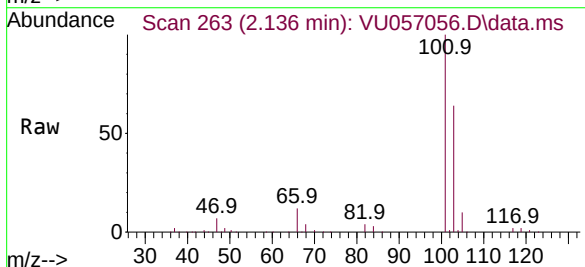
Instrument :
MSVOA_U
ClientSampleId :

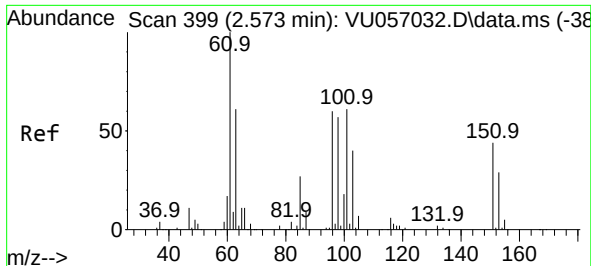
Tgt Ion: 64 Resp: 62455
Ion Ratio Lower Upper
64 100
66 32.5 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.688 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.010 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

Tgt Ion:101 Resp: 170024
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.2

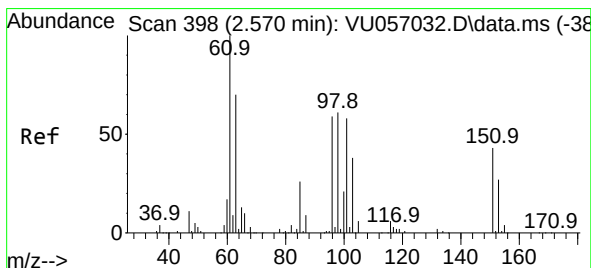
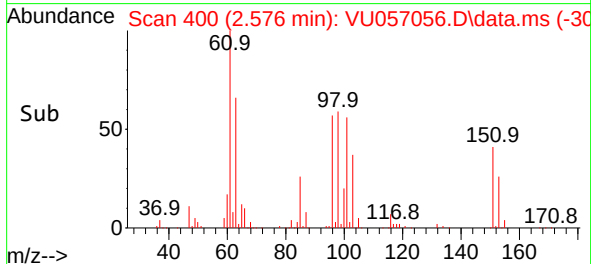
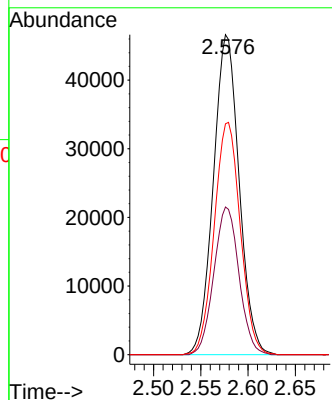
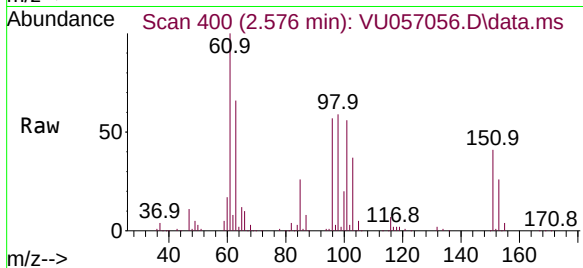




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.824 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

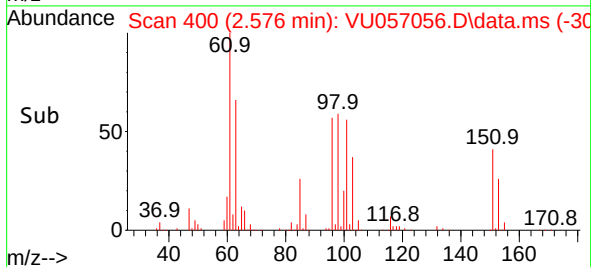
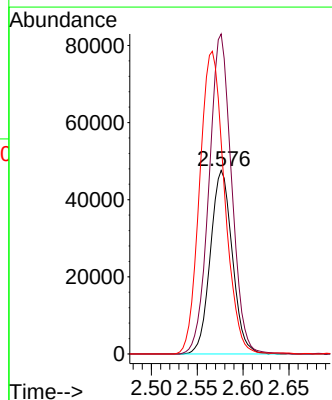
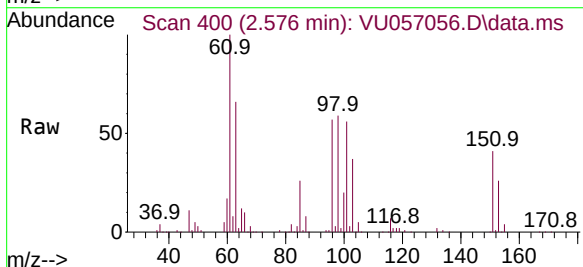
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MSVOA_U
ClientSampleId :

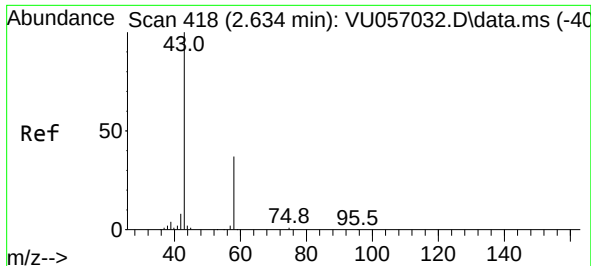
Tgt Ion:101 Resp: 88431
Ion Ratio Lower Upper
101 100
85 45.0 35.2 52.8
151 73.3 56.0 84.0



#12
1,1-Dichloroethene
Concen: 4.700 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.006 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

Tgt Ion: 96 Resp: 79096
Ion Ratio Lower Upper
96 100
61 174.4 119.0 221.0
63 115.7 88.7 164.7





#13

Acetone

Concen: 44.271 ug/L

RT: 2.631 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU057056.D

Acq: 19 Dec 2023 20:00

Instrument :

MSVOA_U

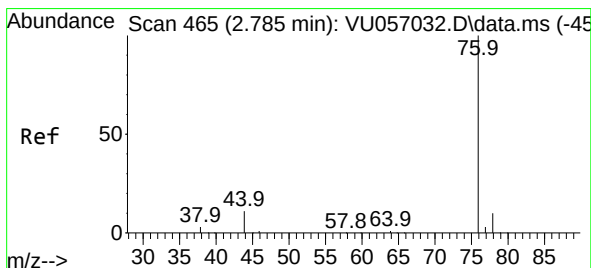
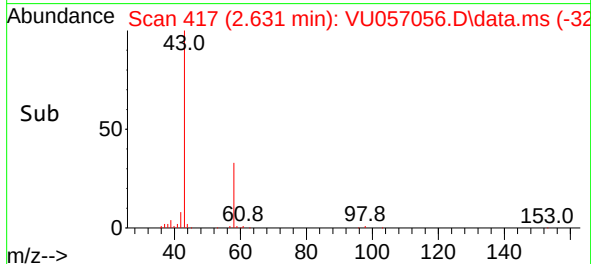
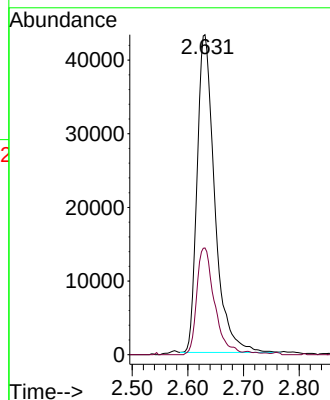
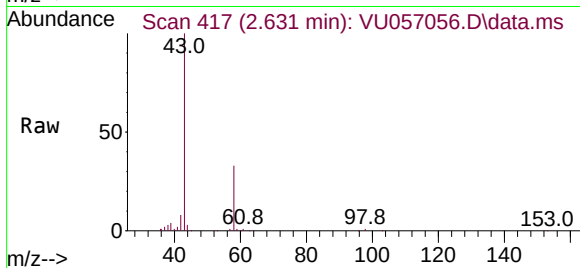
ClientSampleId :

Tgt Ion: 43 Resp: 94665

Ion Ratio Lower Upper

43 100

58 33.9 0.0 72.6



#14

Carbon disulfide

Concen: 4.134 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.003 min

Lab File: VU057056.D

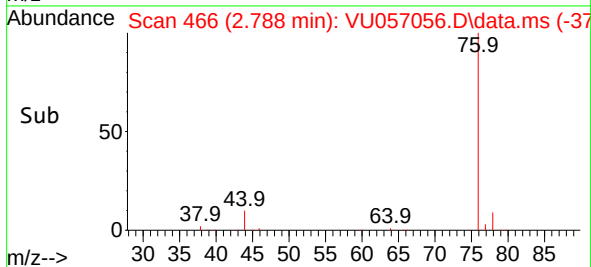
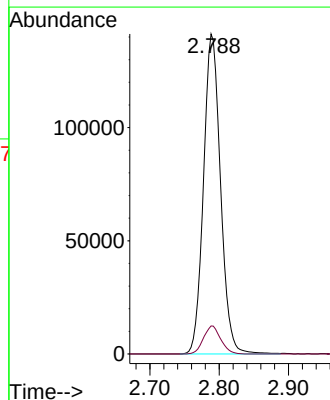
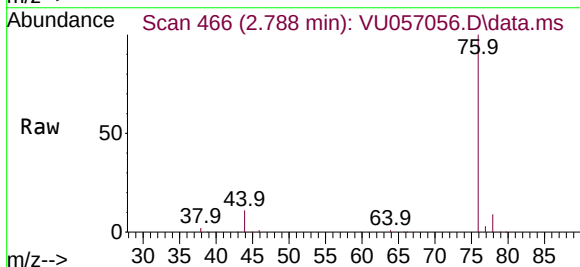
Acq: 19 Dec 2023 20:00

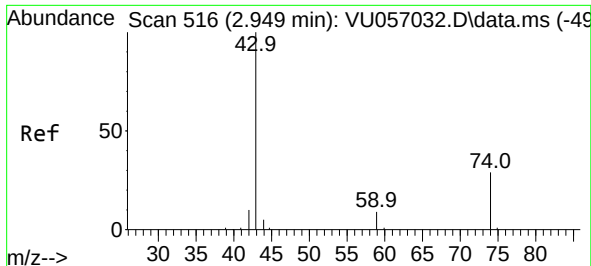
Tgt Ion: 76 Resp: 241370

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

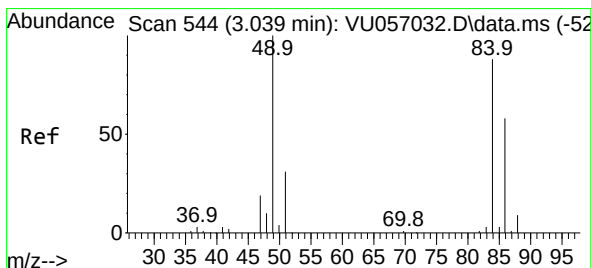
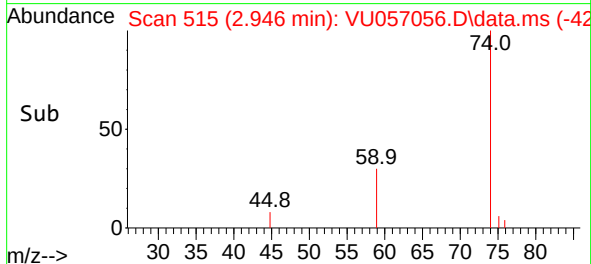
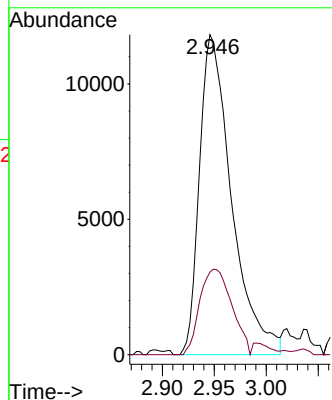
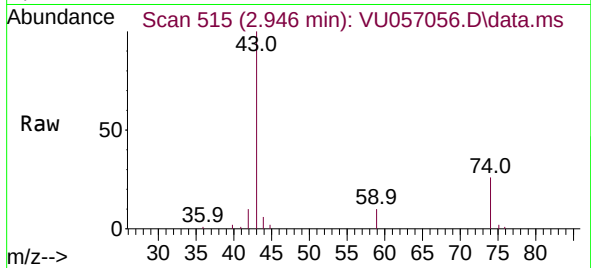




#15
Methyl Acetate
Concen: 4.362 ug/L
RT: 2.946 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

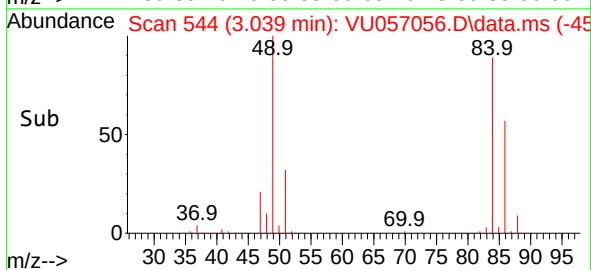
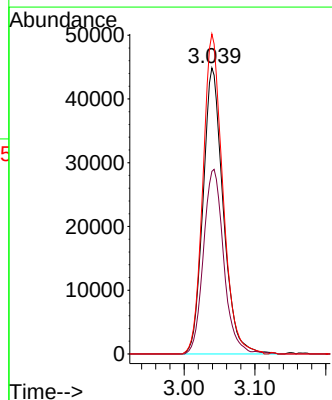
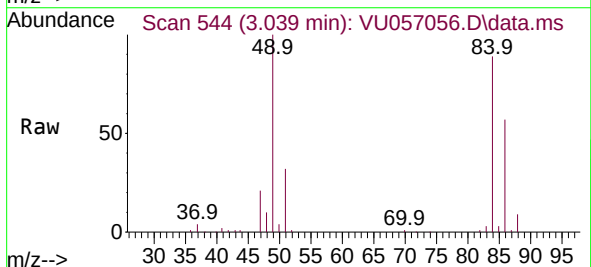
Instrument :
MSVOA_U
ClientSampleId :

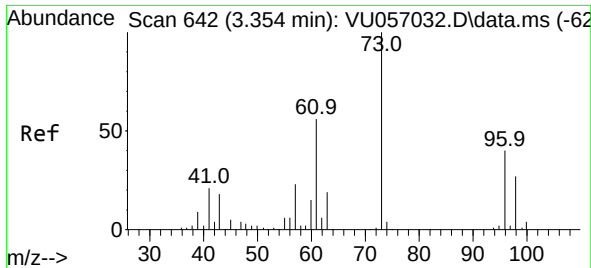
Tgt Ion: 43 Resp: 25390
Ion Ratio Lower Upper
43 100
74 26.6 21.0 31.6



#16
Methylene chloride
Concen: 4.833 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

Tgt Ion: 84 Resp: 88618
Ion Ratio Lower Upper
84 100
86 63.8 43.6 81.0
49 111.9 80.6 149.6

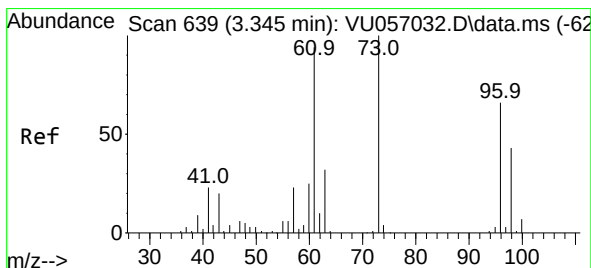
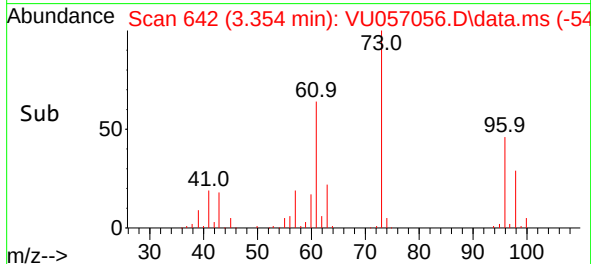
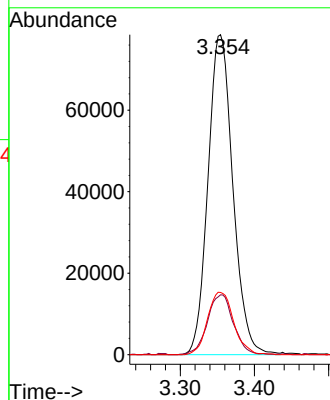
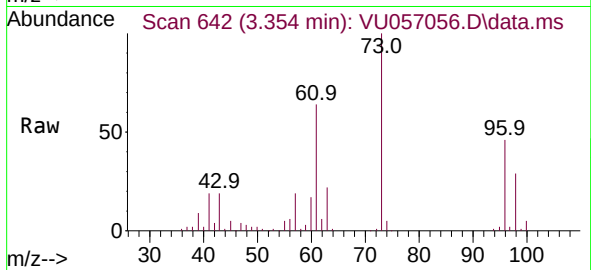




#17
Methyl tert-butyl Ether
Concen: 4.904 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

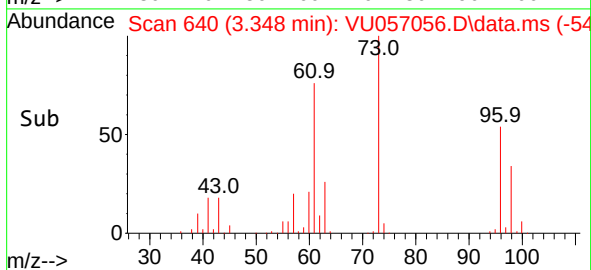
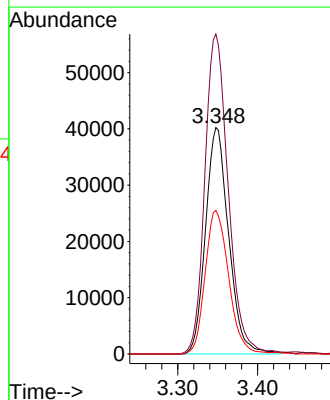
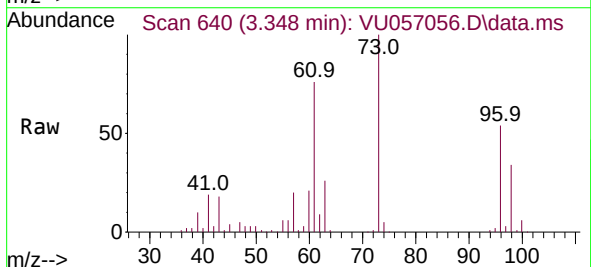
Instrument :
MSVOA_U
ClientSampleId :

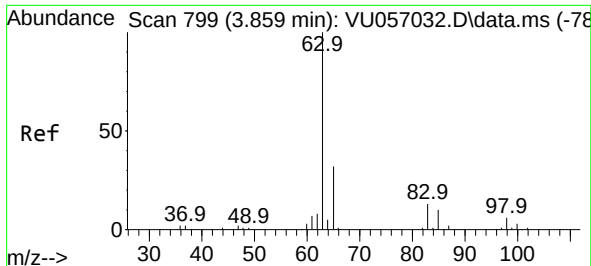
Tgt Ion: 73 Resp: 182999
Ion Ratio Lower Upper
73 100
43 19.6 14.4 21.6
57 20.4 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.743 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

Tgt Ion: 96 Resp: 80929
Ion Ratio Lower Upper
96 100
61 141.3 101.8 189.0
98 63.3 43.0 79.8





#19

1,1-Dichloroethane

Concen: 4.812 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU057056.D

Acq: 19 Dec 2023 20:00

Instrument :

MSVOA_U

ClientSampleId :

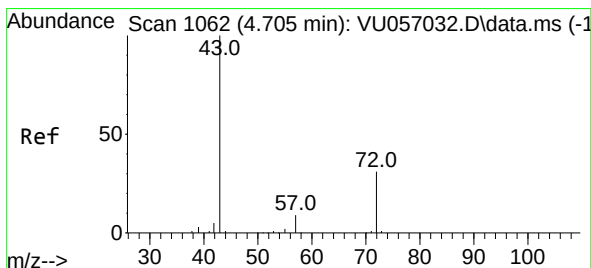
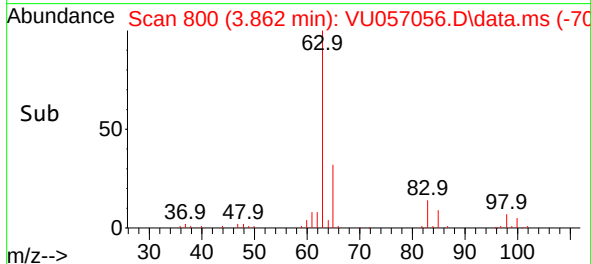
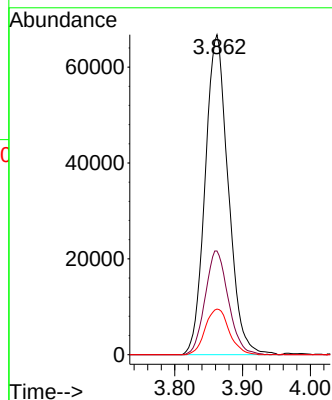
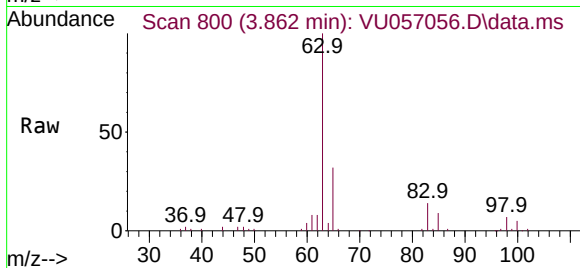
Tgt Ion: 63 Resp: 157937

Ion Ratio Lower Upper

63 100

65 32.4 22.9 42.5

83 14.2 10.1 18.9



#21

2-Butanone

Concen: 42.705 ug/L

RT: 4.698 min Scan# 1060

Delta R.T. -0.006 min

Lab File: VU057056.D

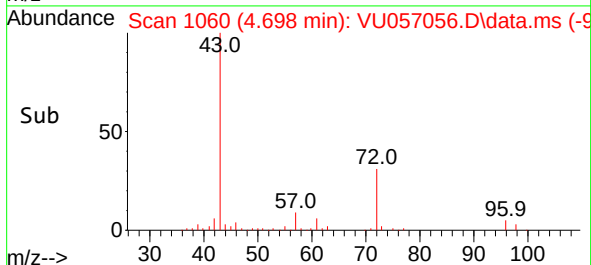
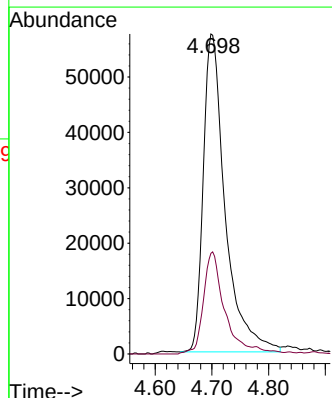
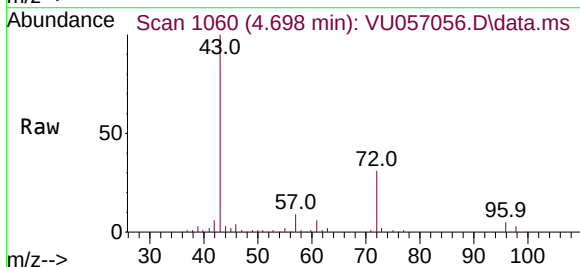
Acq: 19 Dec 2023 20:00

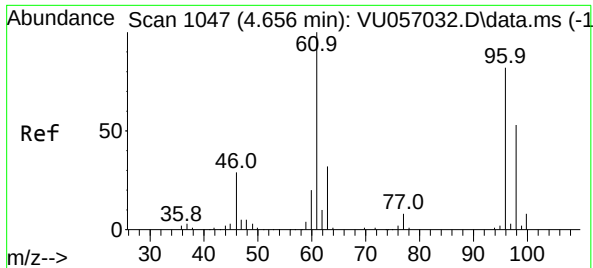
Tgt Ion: 43 Resp: 153995

Ion Ratio Lower Upper

43 100

72 30.1 14.6 43.8

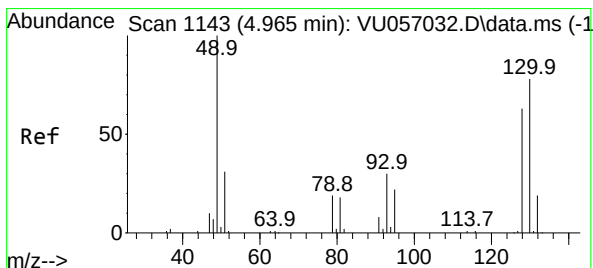
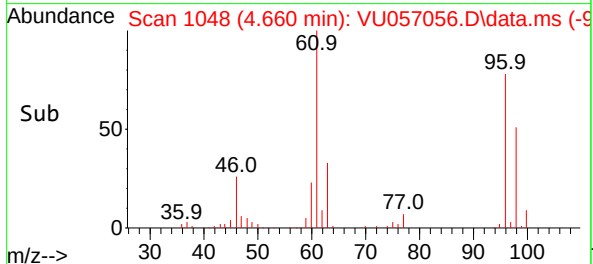
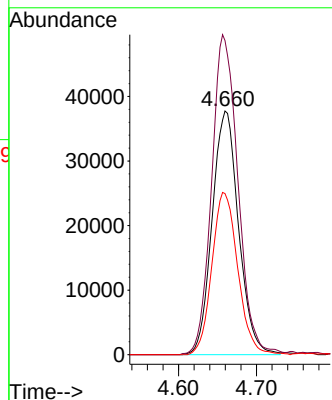
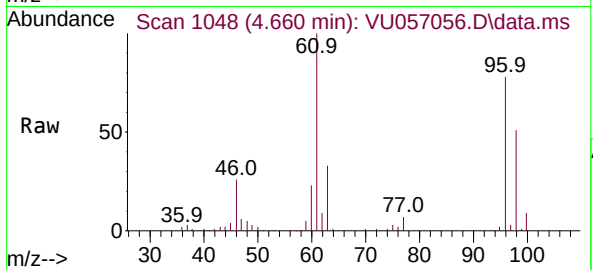




#22
 cis-1,2-Dichloroethene
 Concen: 4.804 ug/L
 RT: 4.660 min Scan# 1047
 Delta R.T. 0.003 min
 Lab File: VU057056.D
 Acq: 19 Dec 2023 20:00

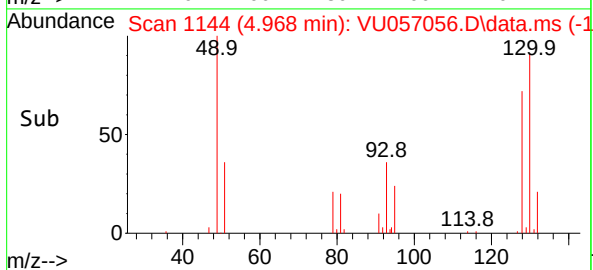
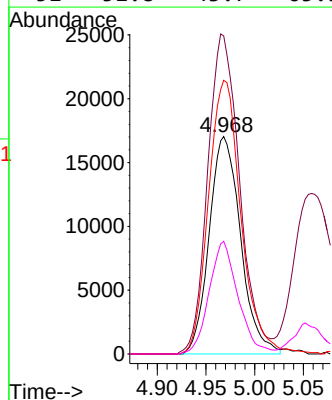
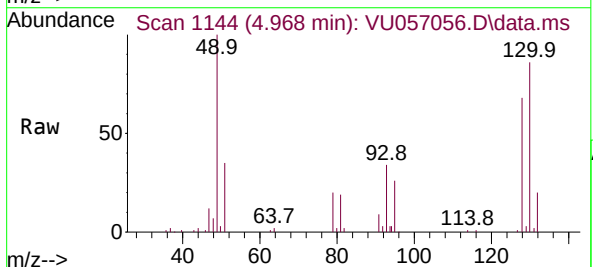
Instrument :
 MSVOA_U
 ClientSampleId :

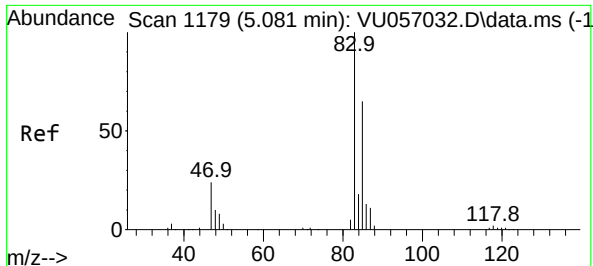
Tgt Ion: 96 Resp: 89172
 Ion Ratio Lower Upper
 96 100
 61 128.8 91.3 169.6
 98 66.1 44.2 82.0



#23
 Bromochloromethane
 Concen: 4.915 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.003 min
 Lab File: VU057056.D
 Acq: 19 Dec 2023 20:00

Tgt Ion: 128 Resp: 38195
 Ion Ratio Lower Upper
 128 100
 49 150.6 113.8 211.3
 130 125.8 90.6 168.3
 51 51.8 43.7 65.5





#25

Chloroform

Concen: 5.124 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU057056.D

Acq: 19 Dec 2023 20:00

Instrument :

MSVOA_U

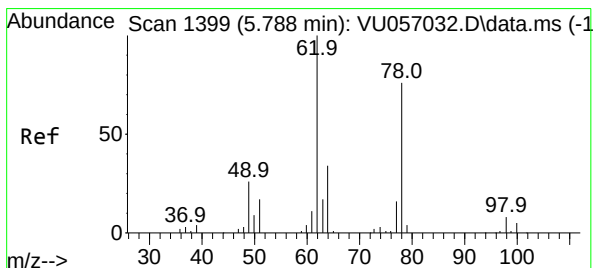
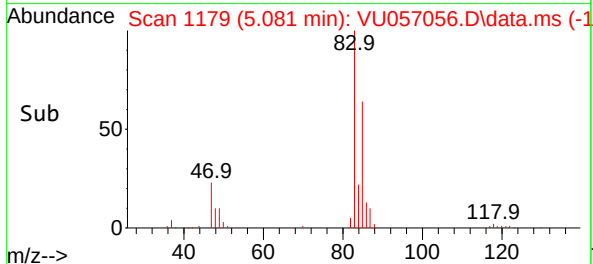
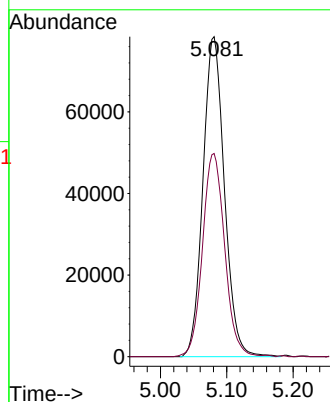
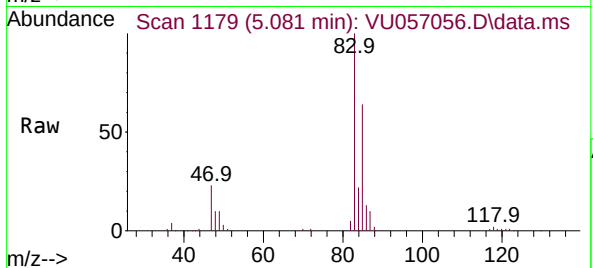
ClientSampleId :

Tgt Ion: 83 Resp: 176177

Ion Ratio Lower Upper

83 100

85 63.5 45.8 85.0



#27

1,2-Dichloroethane

Concen: 5.086 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU057056.D

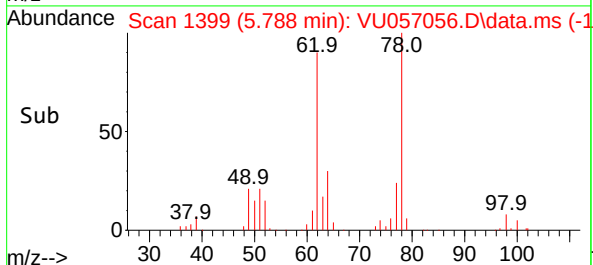
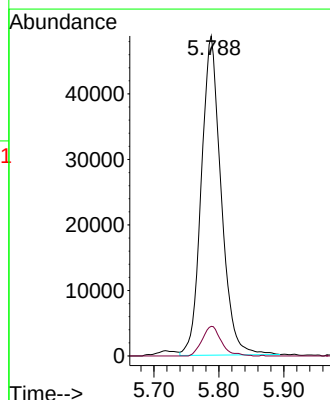
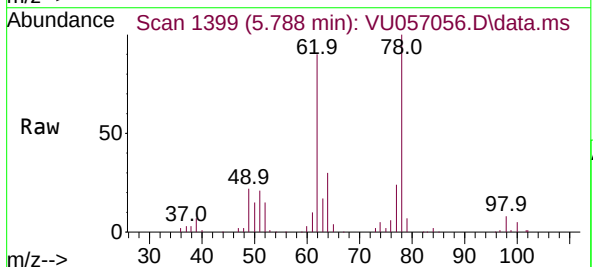
Acq: 19 Dec 2023 20:00

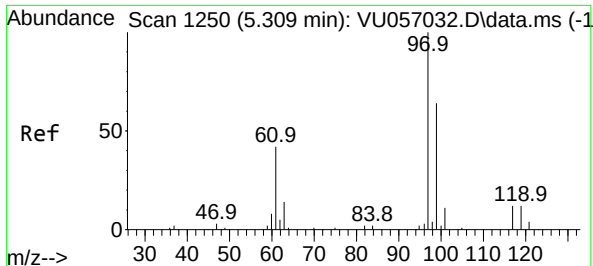
Tgt Ion: 62 Resp: 103418

Ion Ratio Lower Upper

62 100

98 9.3 7.8 11.6

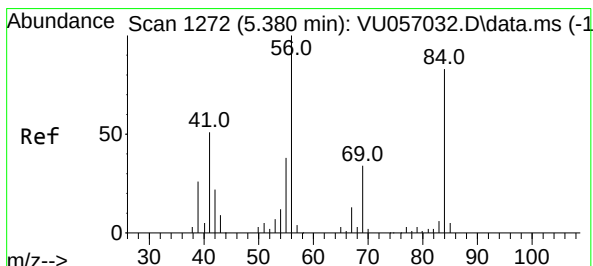
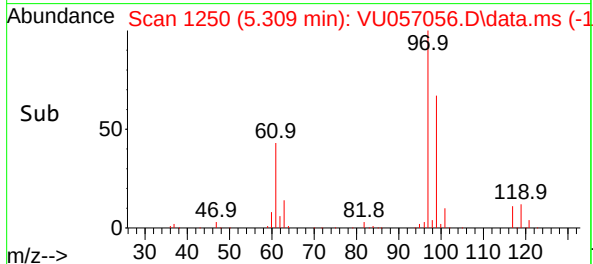
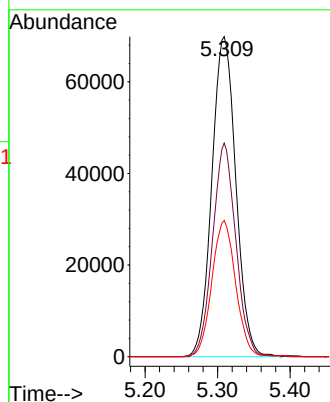
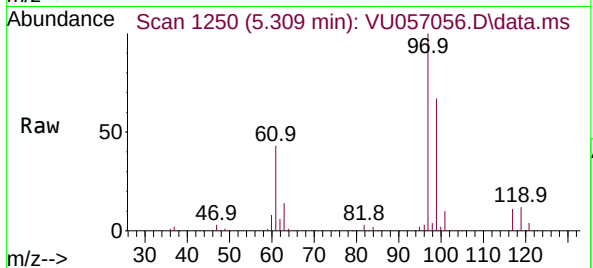




#29
1,1,1-Trichloroethane
Concen: 5.409 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. -0.000 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

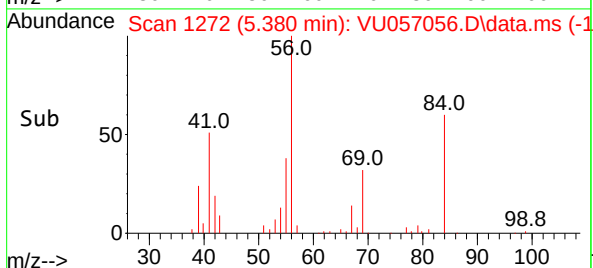
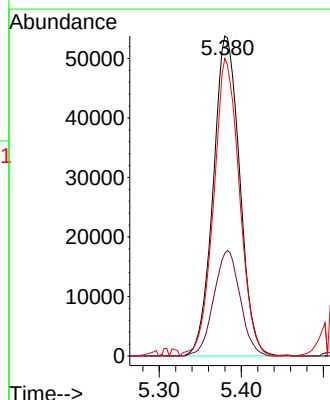
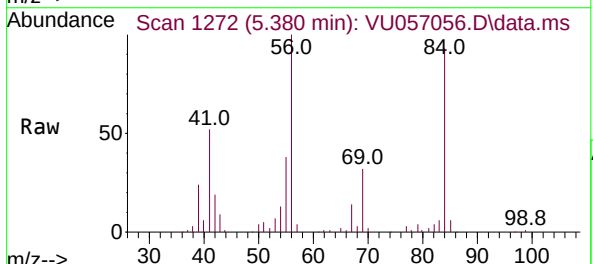
Instrument :
MSVOA_U
ClientSampleId :

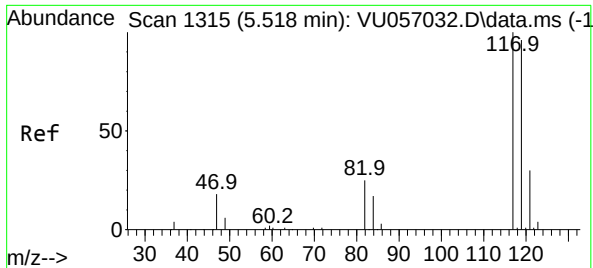
Tgt Ion:	97	Resp:	160924
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.5	78.7
61	42.0	34.2	51.2



#30
Cyclohexane
Concen: 4.325 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

Tgt Ion:	56	Resp:	120762
Ion	Ratio	Lower	Upper
56	100		
69	32.8	24.9	37.3
84	90.7	67.6	101.4

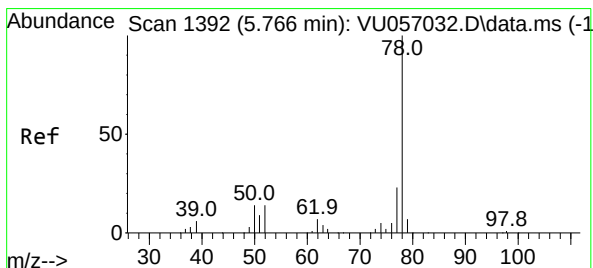
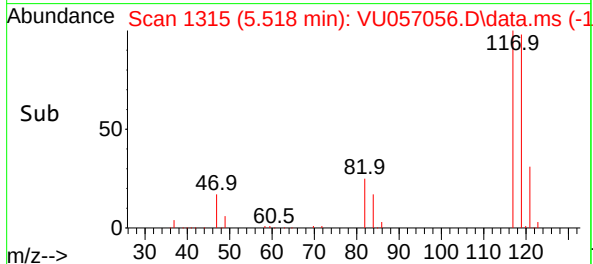
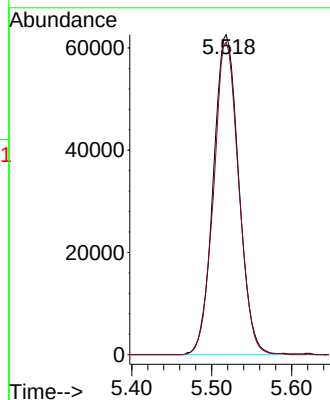
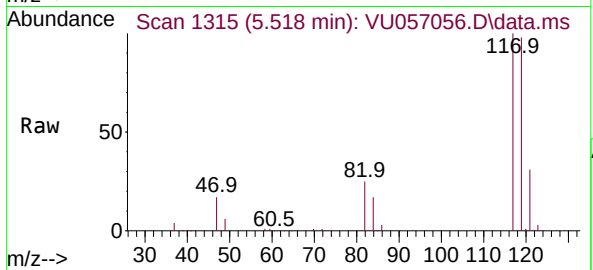




#31
Carbon tetrachloride
Concen: 5.337 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

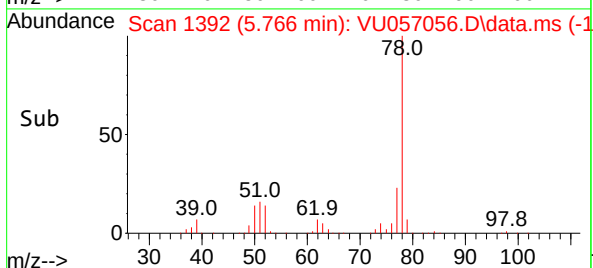
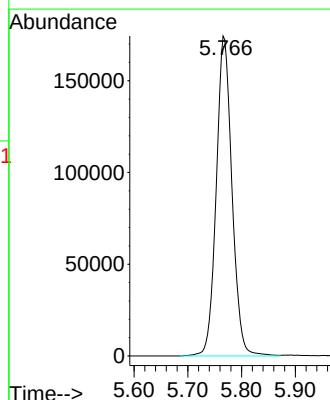
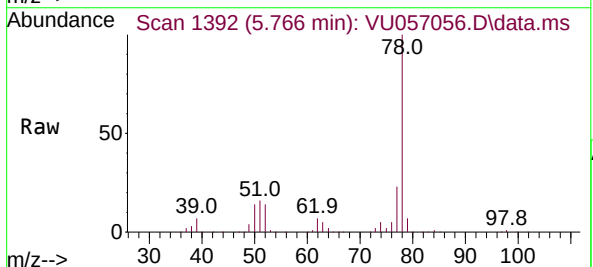
Instrument :
MSVOA_U
ClientSampleId :

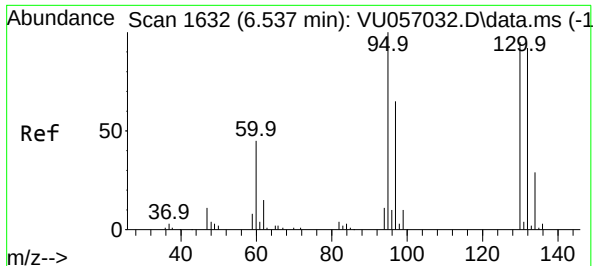
Tgt Ion:117 Resp: 137996
Ion Ratio Lower Upper
117 100
119 96.5 76.2 114.4



#33
Benzene
Concen: 4.906 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

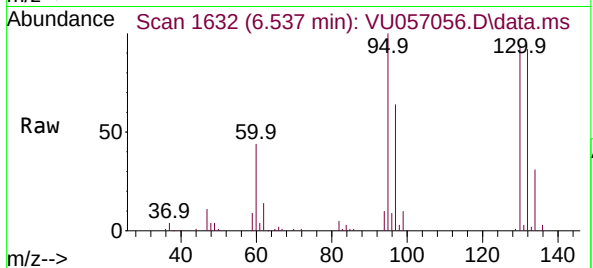
Tgt Ion: 78 Resp: 354863





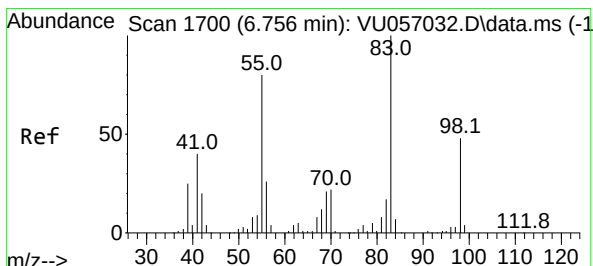
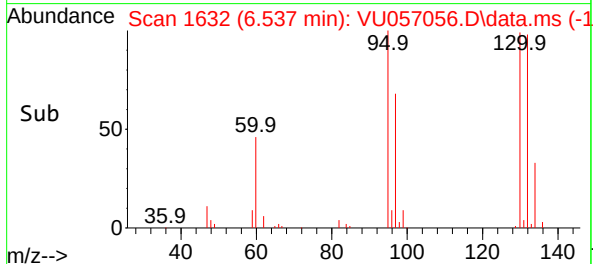
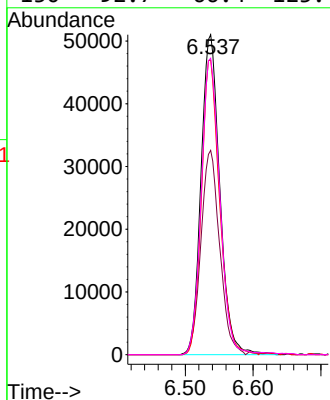
#34
Trichloroethene
Concen: 4.940 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 98017

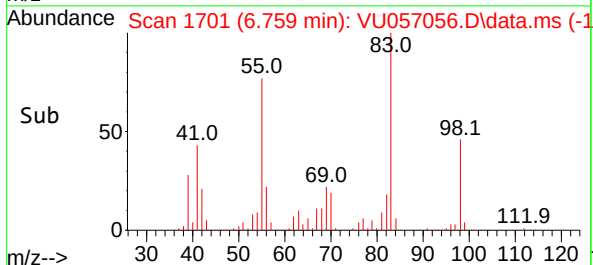
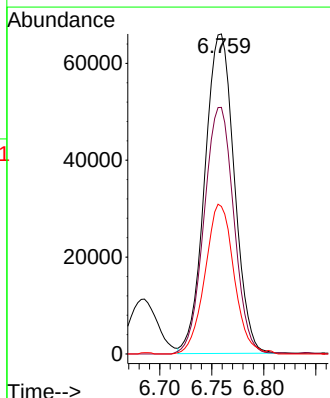
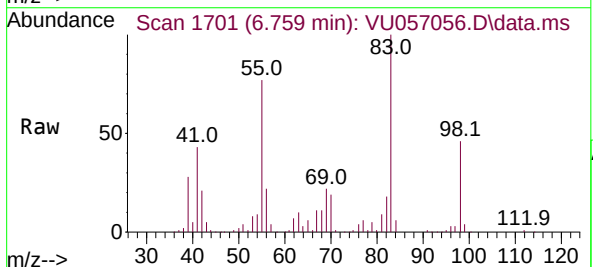
Ion	Ratio	Lower	Upper
95	100		
97	63.9	46.1	85.5
132	92.0	63.6	118.0
130	92.7	66.4	123.4

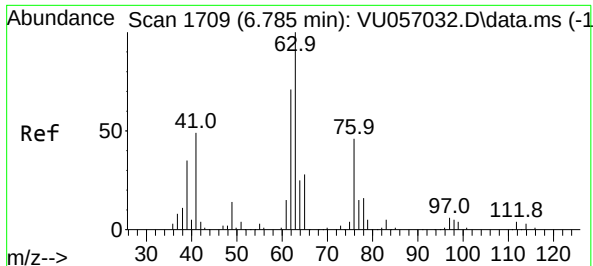


#35
Methylcyclohexane
Concen: 4.455 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.003 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

Tgt Ion: 83 Resp: 130425

Ion	Ratio	Lower	Upper
83	100		
55	77.8	64.6	97.0
98	46.1	36.1	54.1





#37

1,2-Dichloropropane

Concen: 4.914 ug/L

RT: 6.782 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU057056.D

Acq: 19 Dec 2023 20:00

Instrument :

MSVOA_U

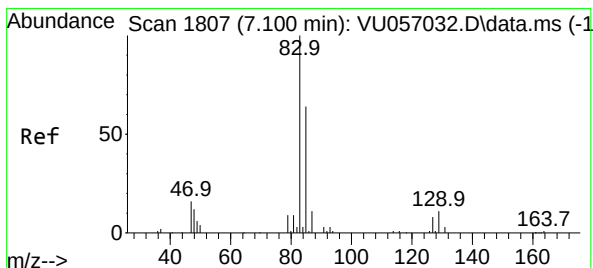
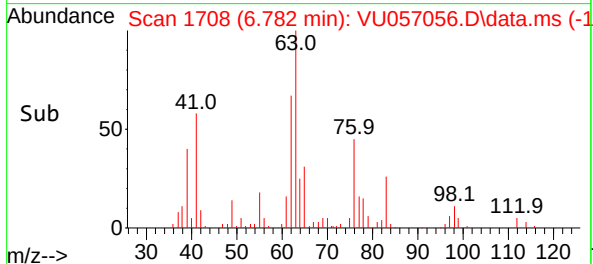
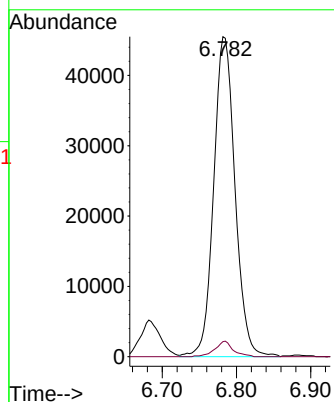
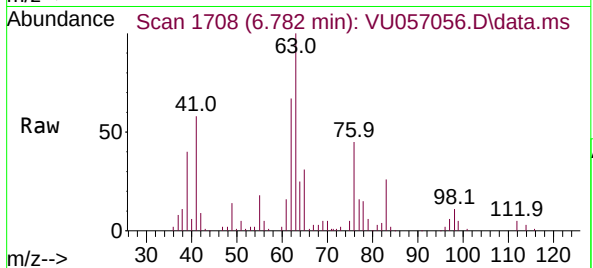
ClientSampleId :

Tgt Ion: 63 Resp: 90920

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 5.153 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.003 min

Lab File: VU057056.D

Acq: 19 Dec 2023 20:00

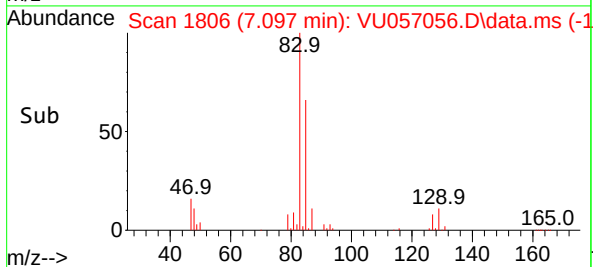
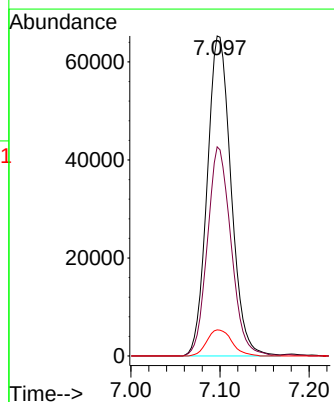
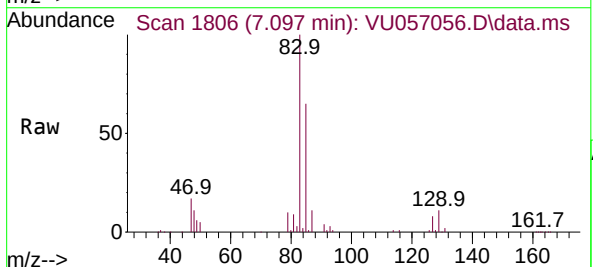
Tgt Ion: 83 Resp: 121583

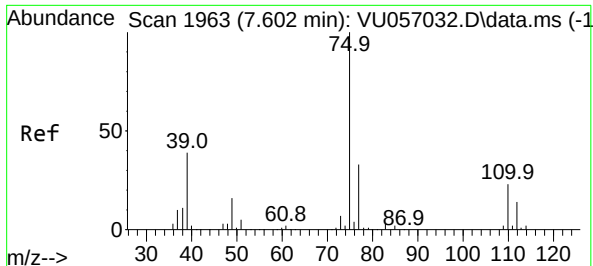
Ion Ratio Lower Upper

83 100

85 65.3 45.0 83.6

127 8.2 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.779 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU057056.D

Acq: 19 Dec 2023 20:00

Instrument :

MSVOA_U

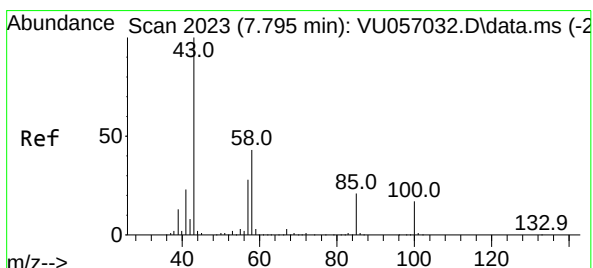
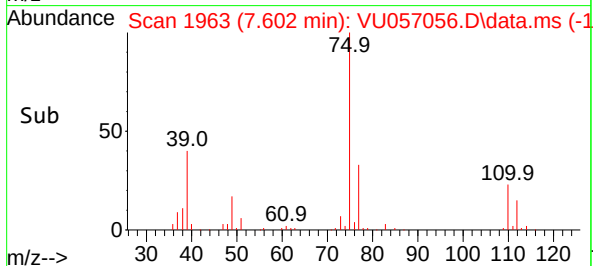
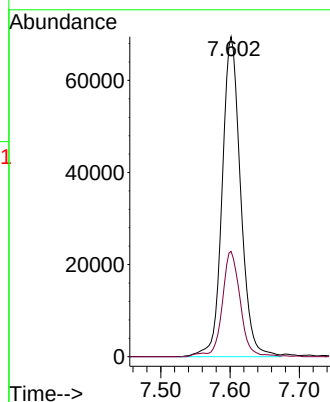
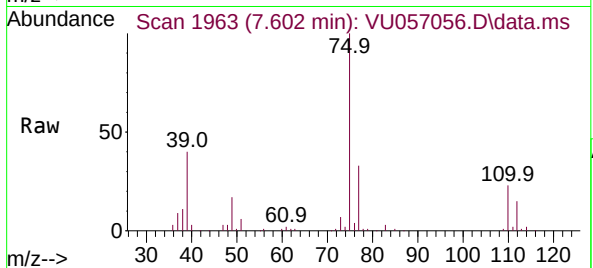
ClientSampleId :

Tgt Ion: 75 Resp: 128856

Ion Ratio Lower Upper

75 100

77 32.9 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 45.019 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.013 min

Lab File: VU057056.D

Acq: 19 Dec 2023 20:00

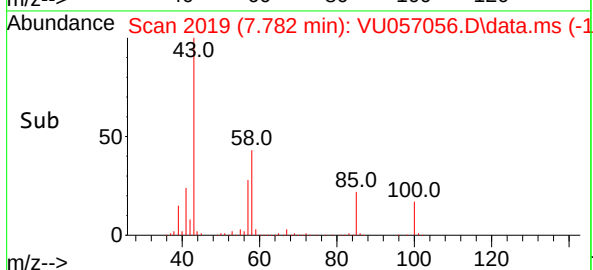
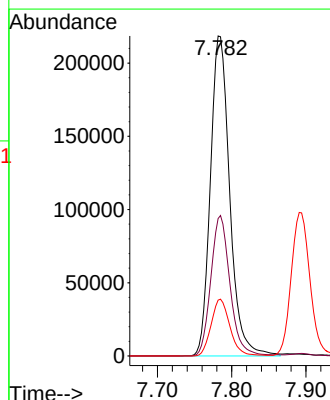
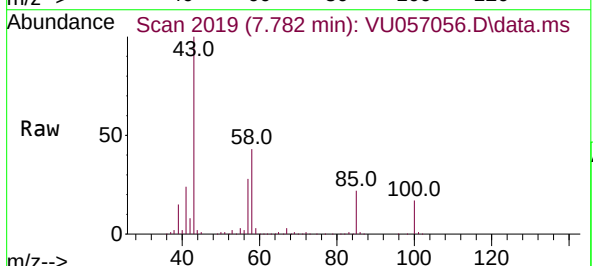
Tgt Ion: 43 Resp: 395505

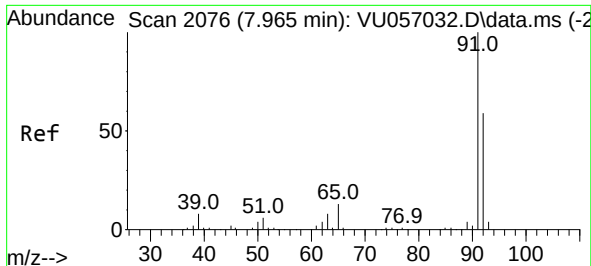
Ion Ratio Lower Upper

43 100

58 43.5 33.7 50.5

100 17.3 13.0 19.4





#42

Toluene

Concen: 5.047 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU057056.D

Acq: 19 Dec 2023 20:00

Instrument :

MSVOA_U

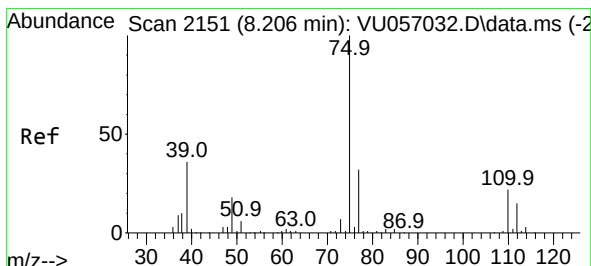
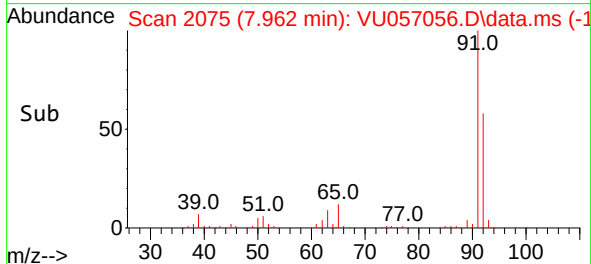
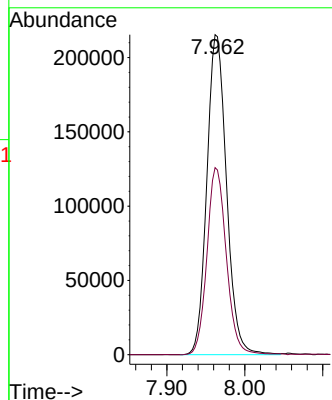
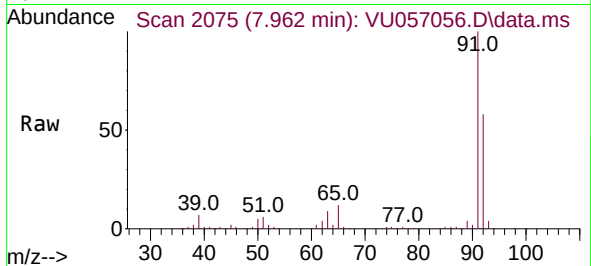
ClientSampleId :

Tgt Ion: 91 Resp: 377717

Ion Ratio Lower Upper

91 100

92 58.4 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.836 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU057056.D

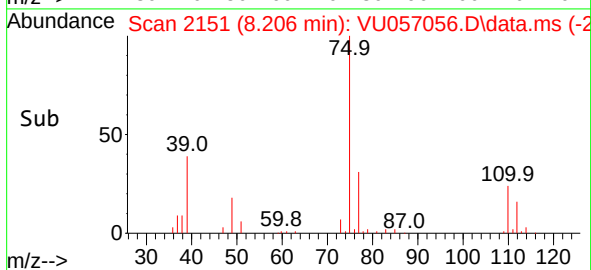
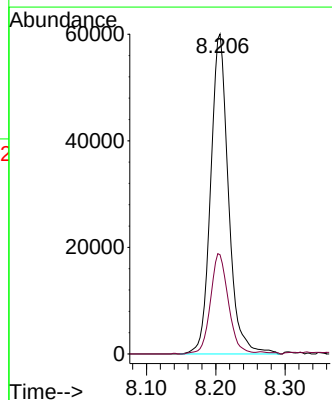
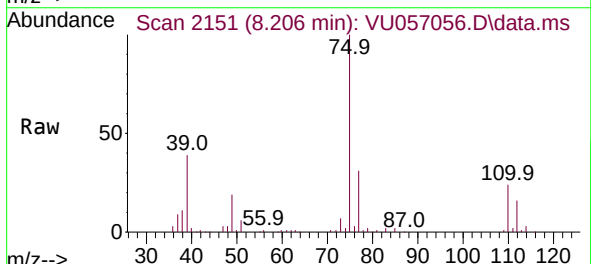
Acq: 19 Dec 2023 20:00

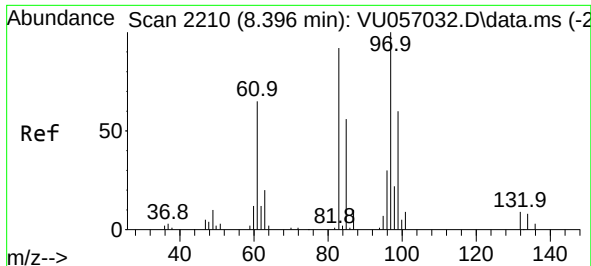
Tgt Ion: 75 Resp: 106882

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.4



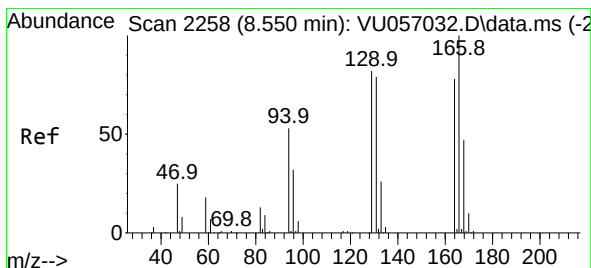
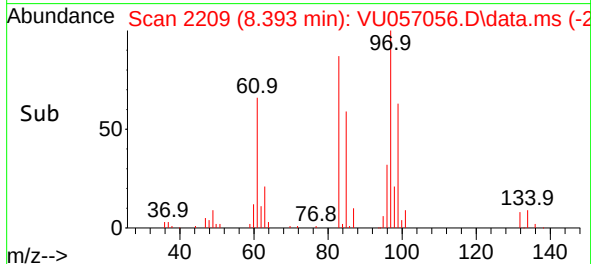
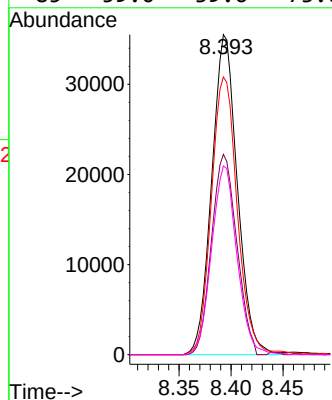
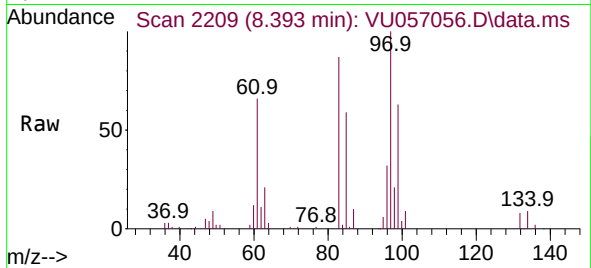


#45
1,1,2-Trichloroethane
Concen: 4.866 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 60860

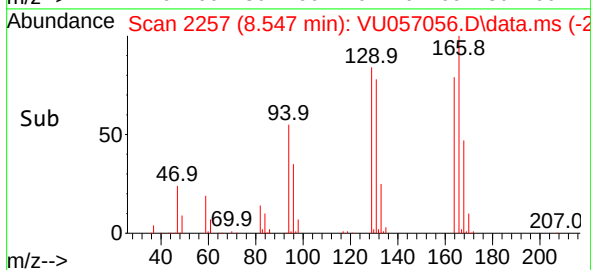
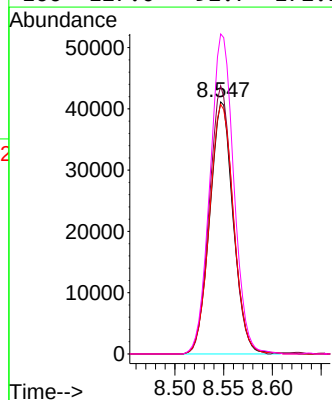
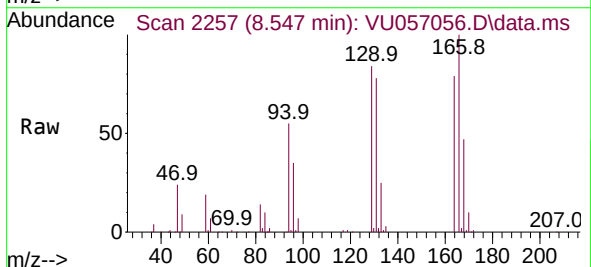
Ion	Ratio	Lower	Upper
97	100		
99	62.6	41.9	77.9
83	86.8	59.1	109.7
85	59.0	39.6	73.6

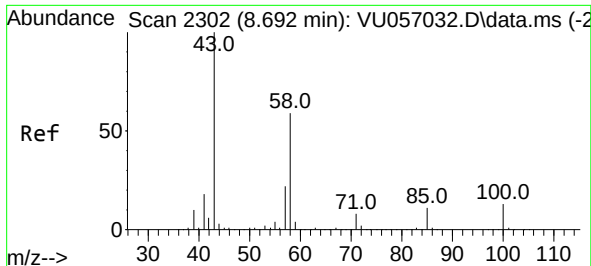


#47
Tetrachloroethene
Concen: 4.958 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

Tgt Ion: 164 Resp: 68838

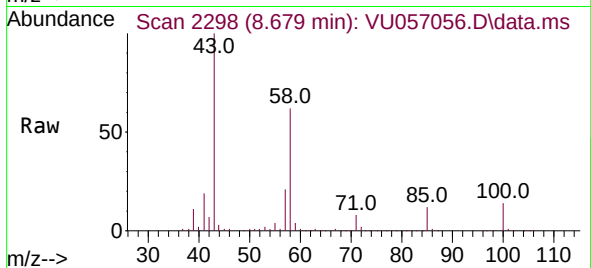
Ion	Ratio	Lower	Upper
164	100		
129	106.4	73.4	136.4
131	99.1	71.5	132.9
166	127.0	92.7	172.1



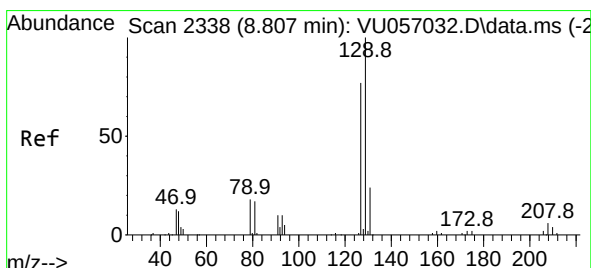
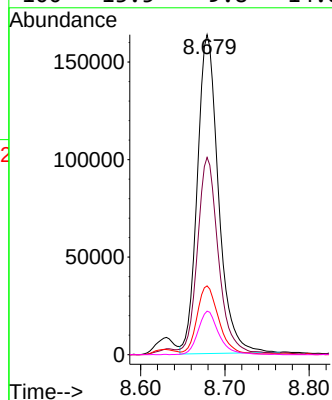
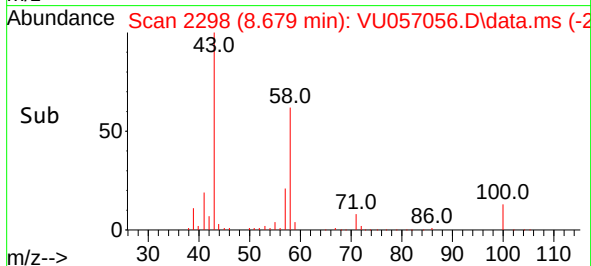


#48
2-Hexanone
Concen: 45.764 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.013 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

Instrument :
MSVOA_U
ClientSampleId :

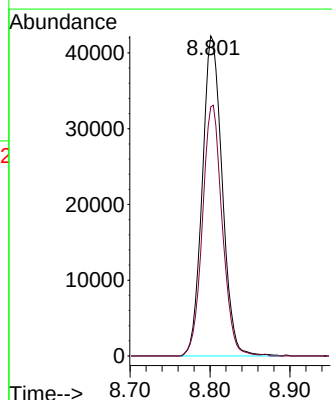
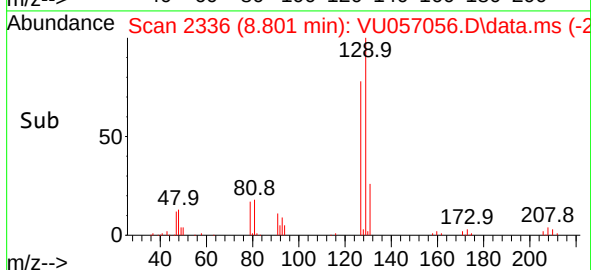
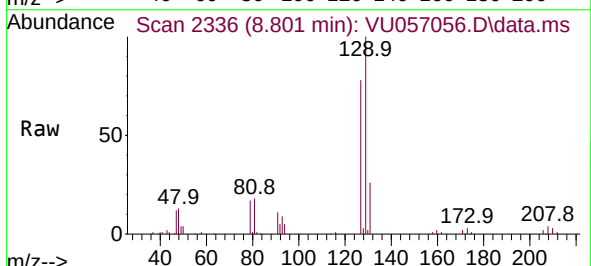


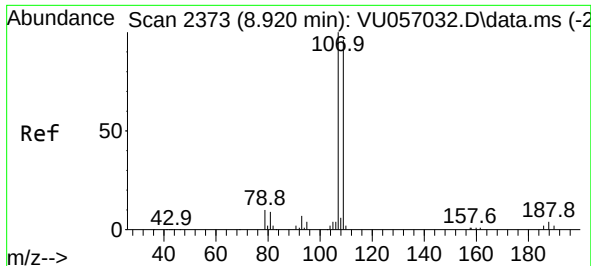
Tgt Ion: 43 Resp: 286350
Ion Ratio Lower Upper
43 100
58 60.8 47.5 71.3
57 21.9 17.0 25.4
100 13.5 9.8 14.8



#49
Dibromochloromethane
Concen: 5.106 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

Tgt Ion:129 Resp: 73413
Ion Ratio Lower Upper
129 100
127 77.9 53.9 100.1





#50

1,2-Dibromoethane

Concen: 5.037 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU057056.D

Acq: 19 Dec 2023 20:00

Instrument :

MSVOA_U

ClientSampleId :

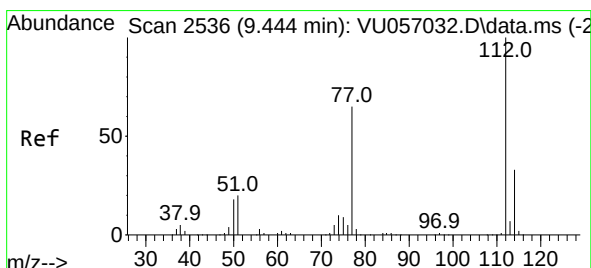
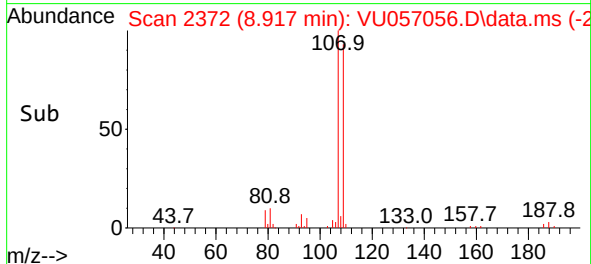
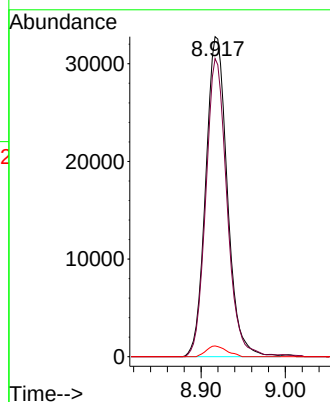
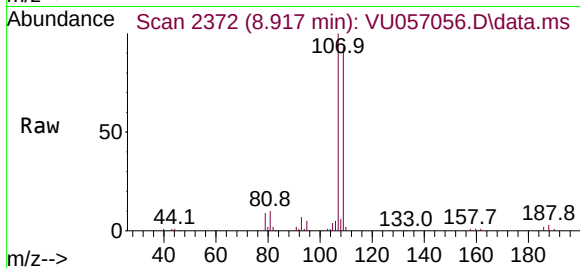
Tgt Ion:107 Resp: 58470

Ion Ratio Lower Upper

107 100

109 93.2 66.5 123.5

188 3.4 2.9 4.3



#51

Chlorobenzene

Concen: 4.935 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU057056.D

Acq: 19 Dec 2023 20:00

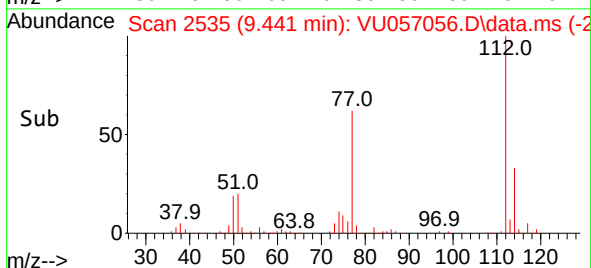
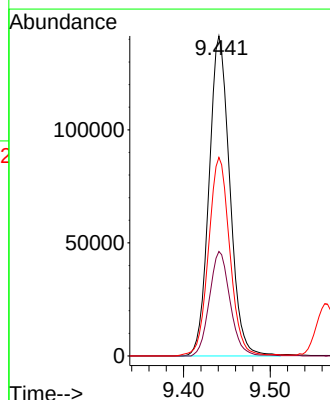
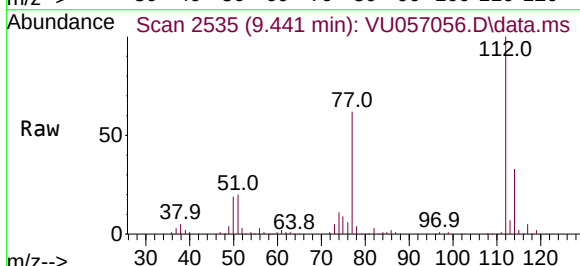
Tgt Ion:112 Resp: 235394

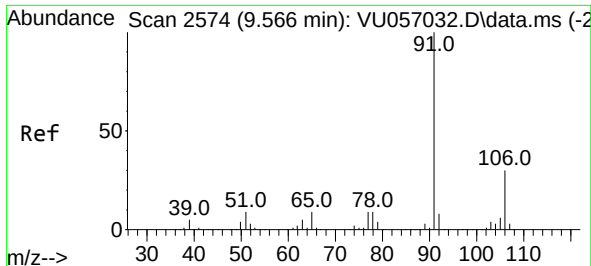
Ion Ratio Lower Upper

112 100

114 32.7 21.9 40.7

77 62.1 51.6 77.4

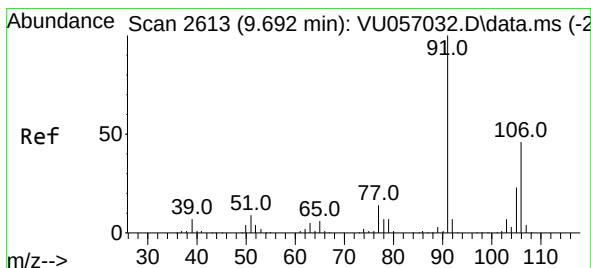
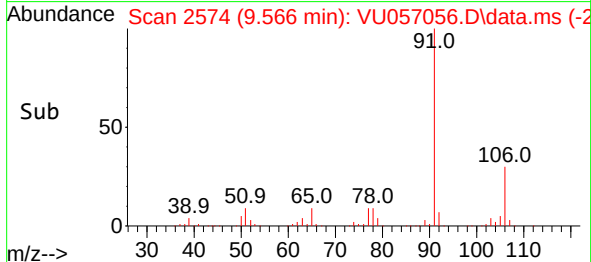
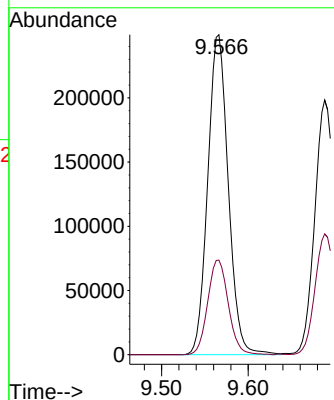
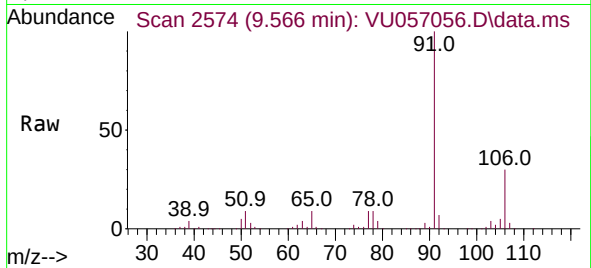




#52
Ethylbenzene
Concen: 4.972 ug/L
RT: 9.566 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

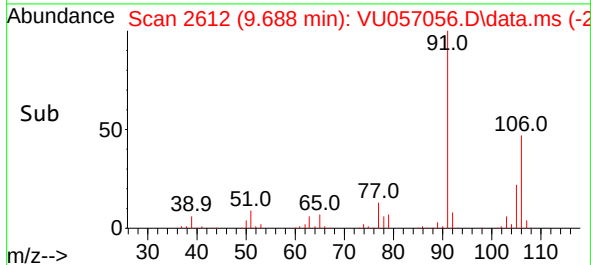
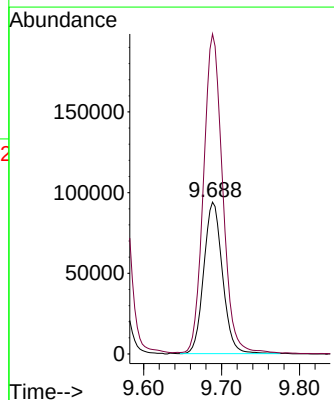
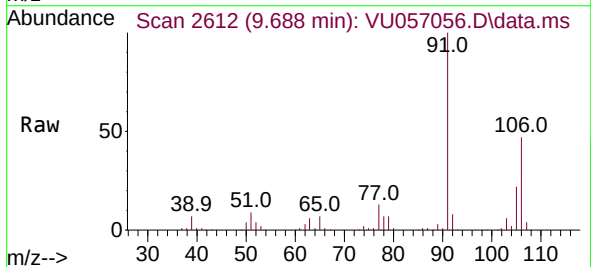
Instrument :
MSVOA_U
ClientSampleId :

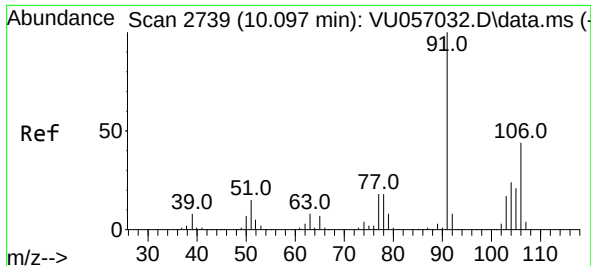
Tgt Ion: 91 Resp: 410441
Ion Ratio Lower Upper
91 100
106 29.5 20.6 38.4



#53
m,p-Xylene
Concen: 5.103 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

Tgt Ion: 106 Resp: 156952
Ion Ratio Lower Upper
106 100
91 210.7 154.0 286.0

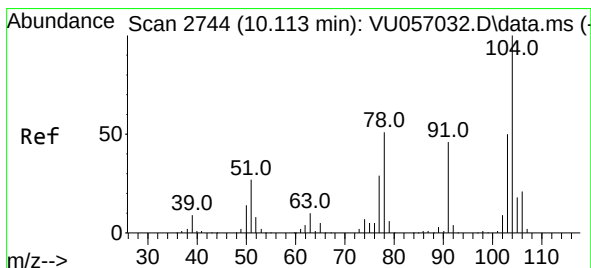
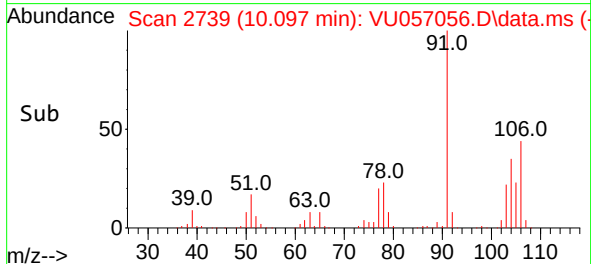
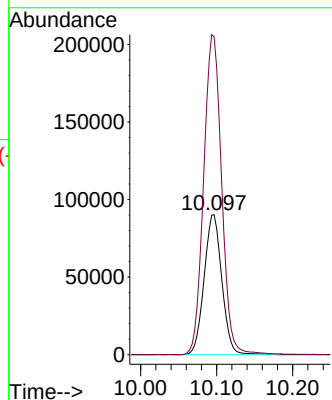
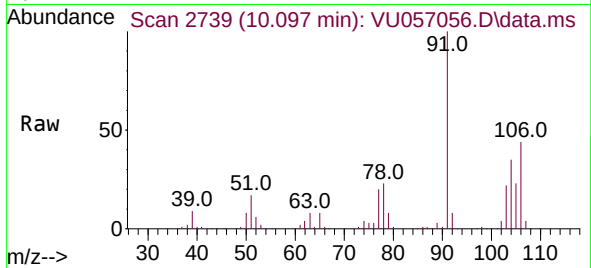




#54
o-Xylene
Concen: 4.978 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

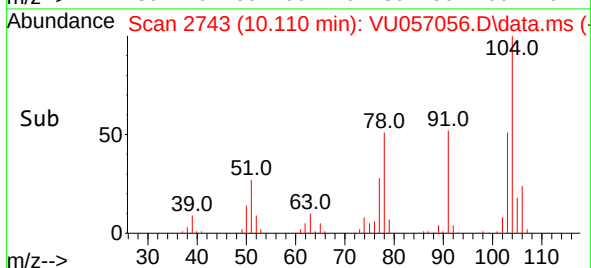
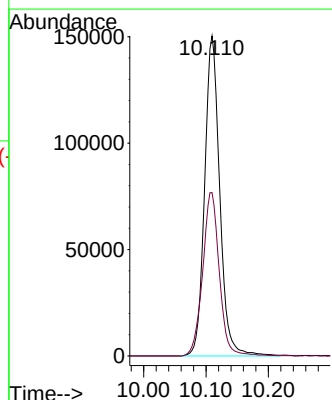
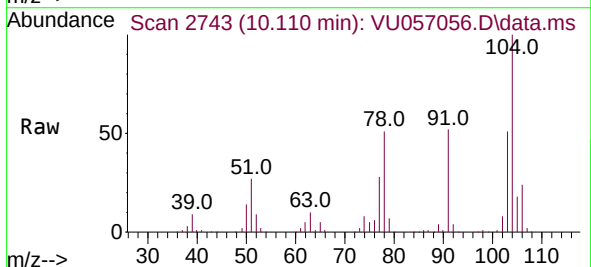
Instrument :
MSVOA_U
ClientSampleId :

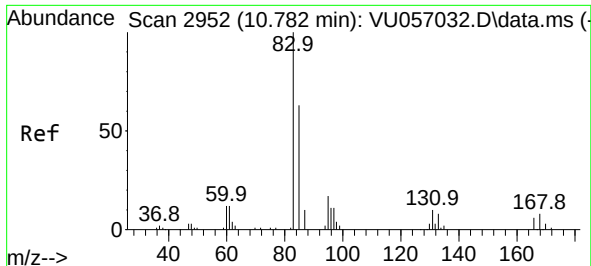
Tgt Ion:106 Resp: 145855
Ion Ratio Lower Upper
106 100
91 226.9 160.2 297.6



#55
Styrene
Concen: 5.283 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

Tgt Ion:104 Resp: 254182
Ion Ratio Lower Upper
104 100
78 51.0 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 4.626 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.006 min

Lab File: VU057056.D

Acq: 19 Dec 2023 20:00

Instrument :

MSVOA_U

ClientSampleId :

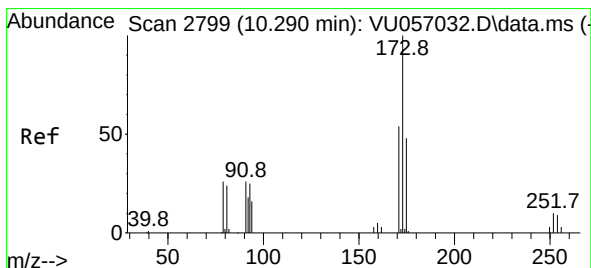
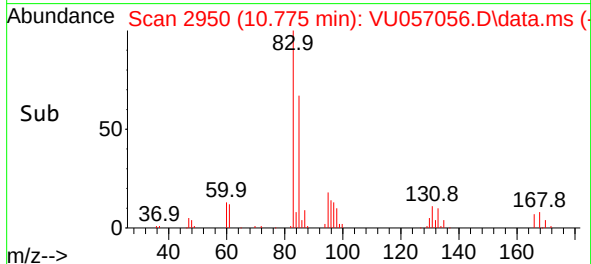
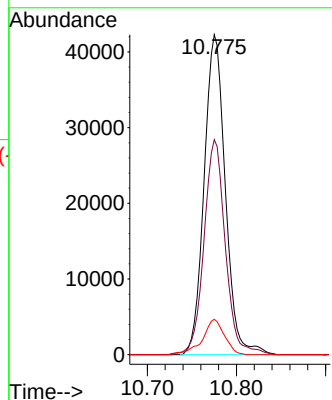
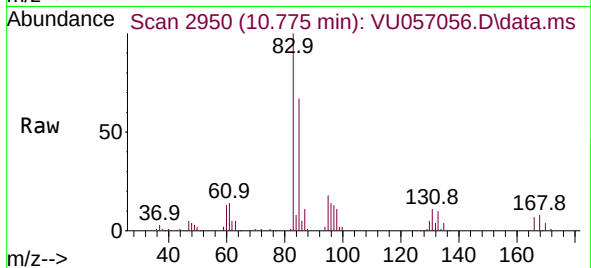
Tgt Ion: 83 Resp: 69908

Ion Ratio Lower Upper

83 100

85 67.2 45.4 84.4

131 11.1 6.6 9.8#



#59

Bromoform

Concen: 4.982 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.006 min

Lab File: VU057056.D

Acq: 19 Dec 2023 20:00

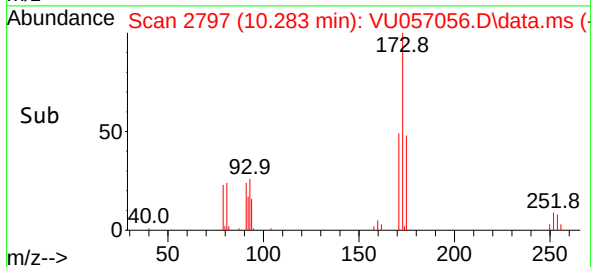
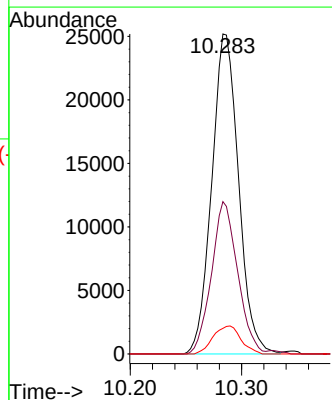
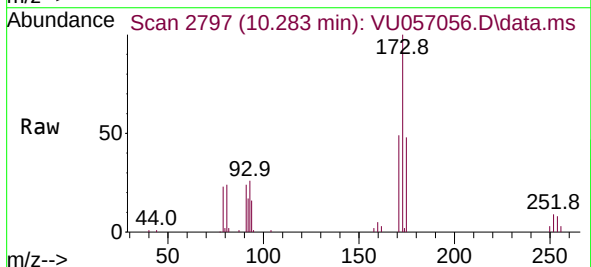
Tgt Ion:173 Resp: 42071

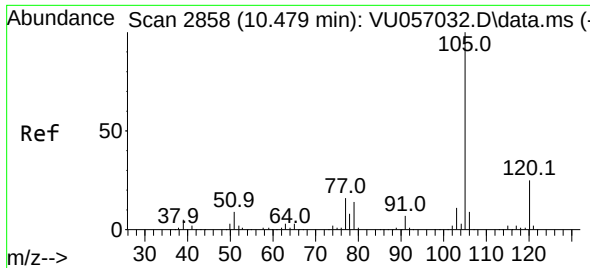
Ion Ratio Lower Upper

173 100

175 46.5 38.2 57.2

254 9.1 7.0 10.4

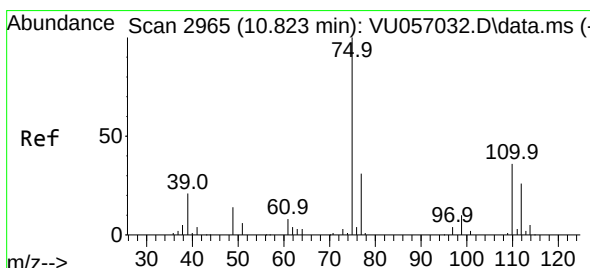
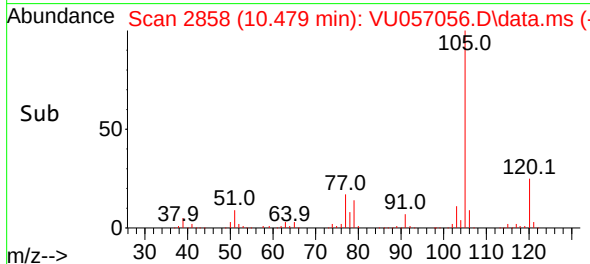
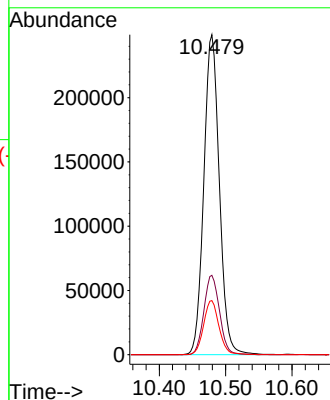
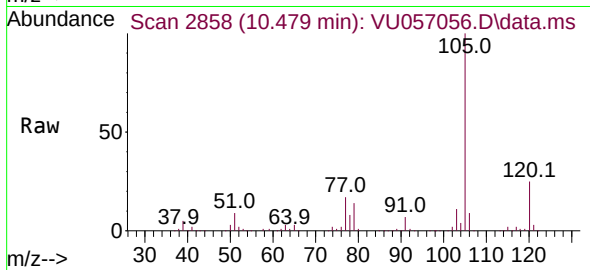




#60
Isopropylbenzene
Concen: 4.952 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

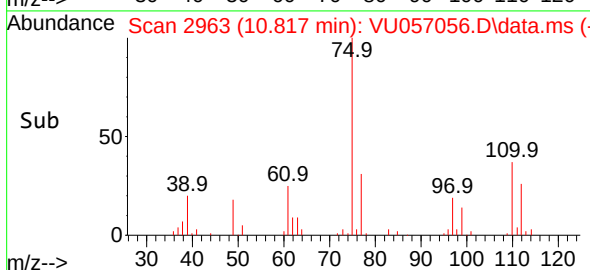
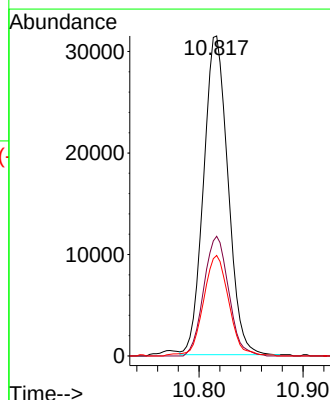
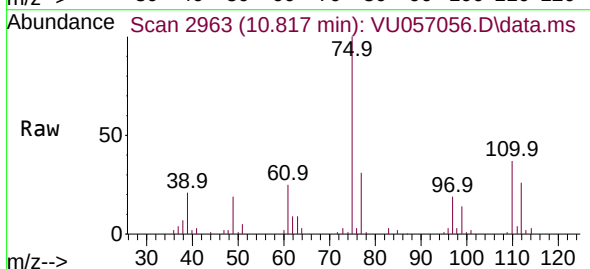
Instrument :
MSVOA_U
ClientSampleId :

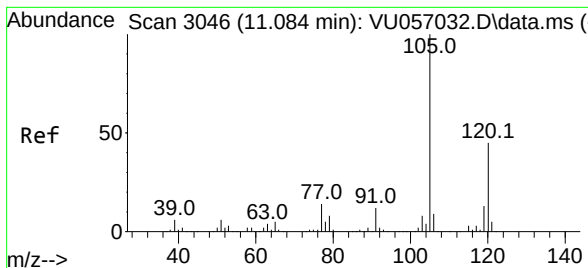
Tgt Ion:105 Resp: 404679
Ion Ratio Lower Upper
105 100
120 25.0 20.1 30.1
77 16.8 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.615 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.006 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

Tgt Ion: 75 Resp: 51255
Ion Ratio Lower Upper
75 100
110 38.3 28.4 42.6
77 32.8 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 4.965 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU057056.D

Acq: 19 Dec 2023 20:00

Instrument :

MSVOA_U

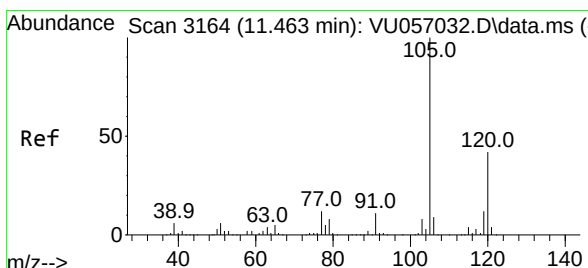
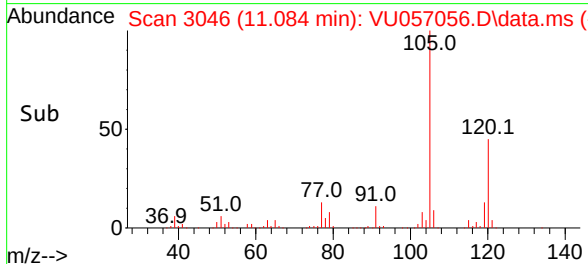
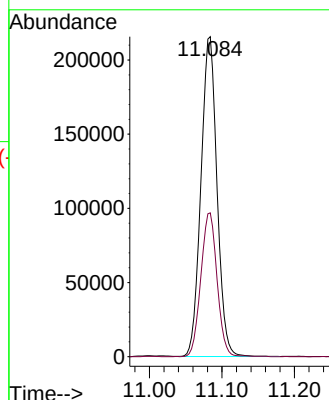
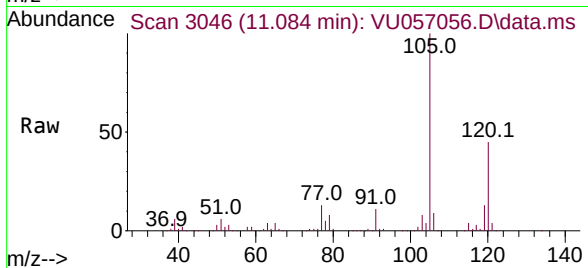
ClientSampleId :

Tgt Ion:105 Resp: 331605

Ion Ratio Lower Upper

105 100

120 45.4 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 5.006 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU057056.D

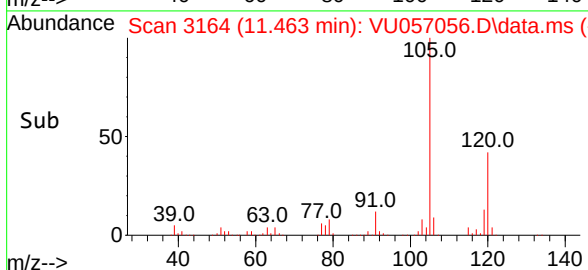
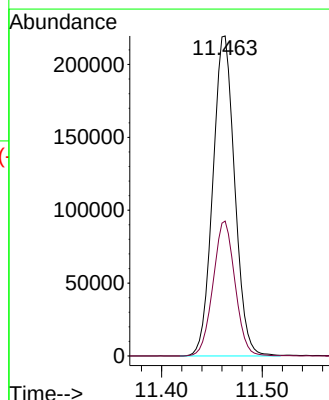
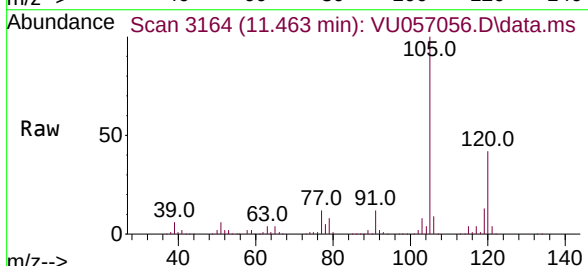
Acq: 19 Dec 2023 20:00

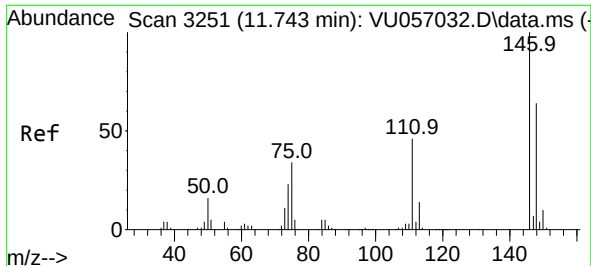
Tgt Ion:105 Resp: 332079

Ion Ratio Lower Upper

105 100

120 42.3 34.2 51.4

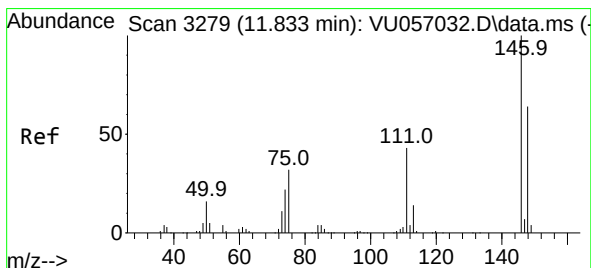
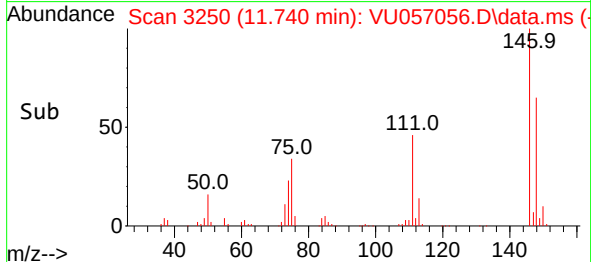
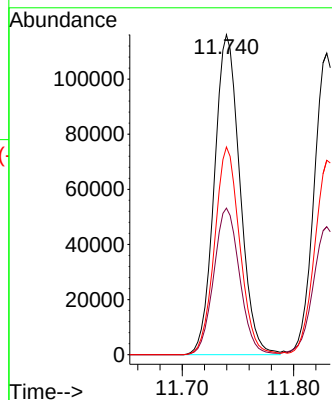
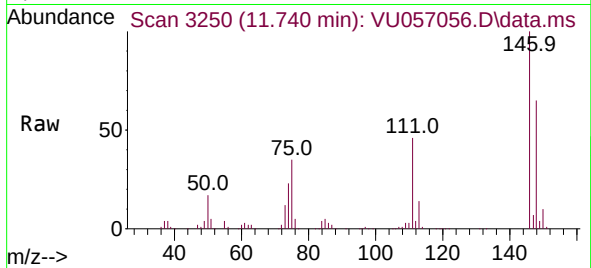




#64
1,3-Dichlorobenzene
Concen: 4.794 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

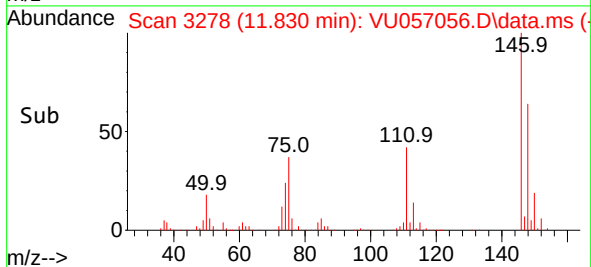
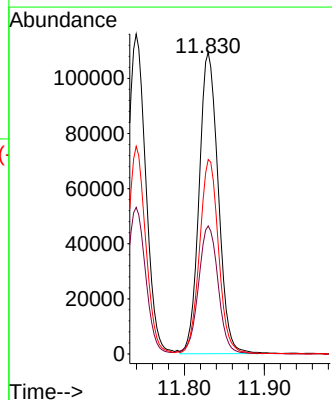
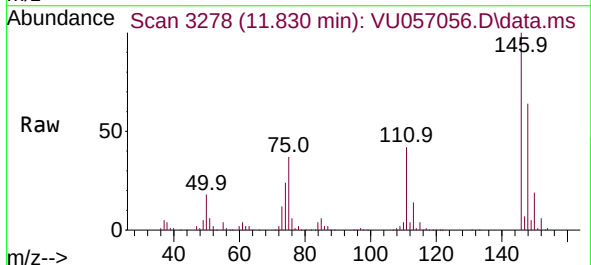
Instrument :
MSVOA_U
ClientSampleId :

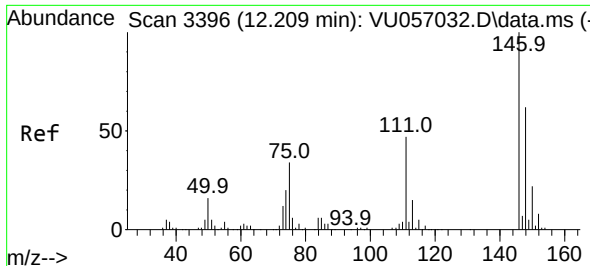
Tgt Ion:146 Resp: 185343
Ion Ratio Lower Upper
146 100
111 45.8 31.7 58.9
148 64.9 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.782 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

Tgt Ion:146 Resp: 182009
Ion Ratio Lower Upper
146 100
111 42.4 31.2 58.0
148 64.5 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 4.732 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU057056.D

Acq: 19 Dec 2023 20:00

Instrument :

MSVOA_U

ClientSampleId :

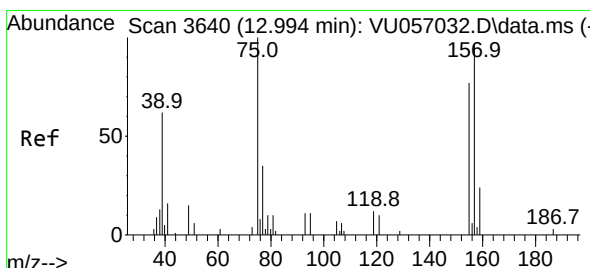
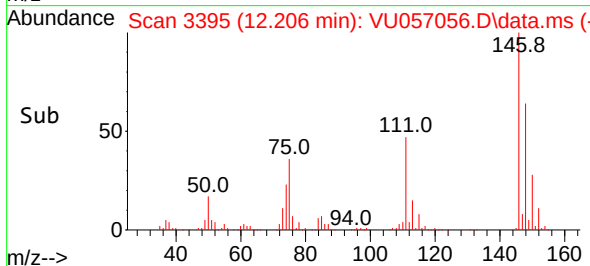
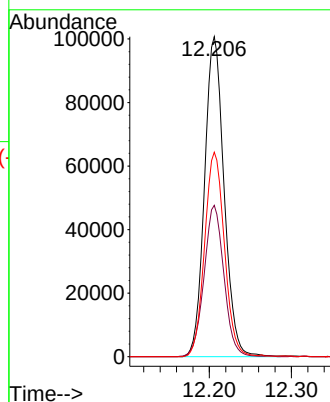
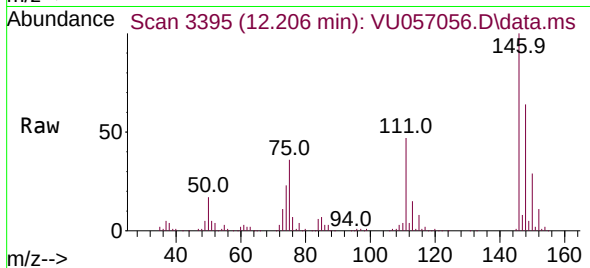
Tgt Ion:146 Resp: 166629

Ion Ratio Lower Upper

146 100

111 47.3 36.9 55.3

148 63.9 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.005 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU057056.D

Acq: 19 Dec 2023 20:00

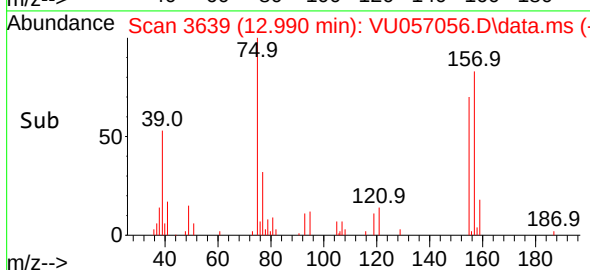
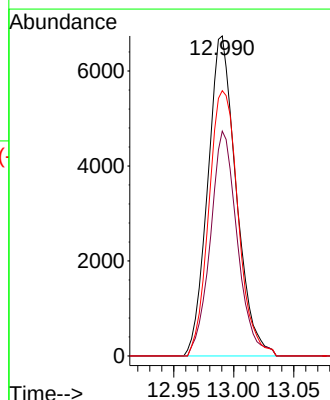
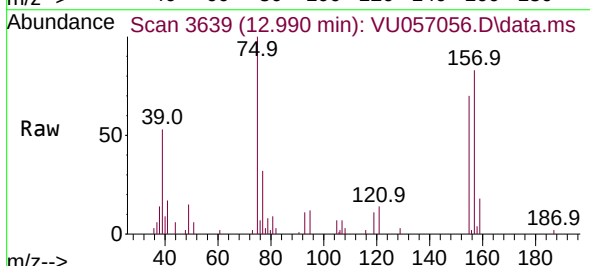
Tgt Ion: 75 Resp: 11097

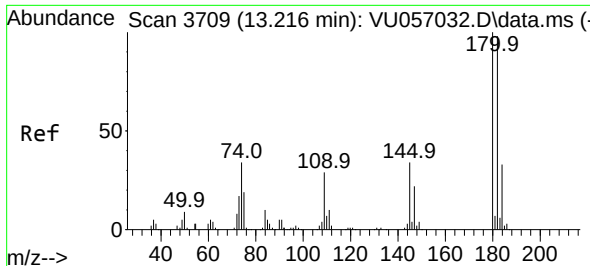
Ion Ratio Lower Upper

75 100

155 70.3 55.4 83.2

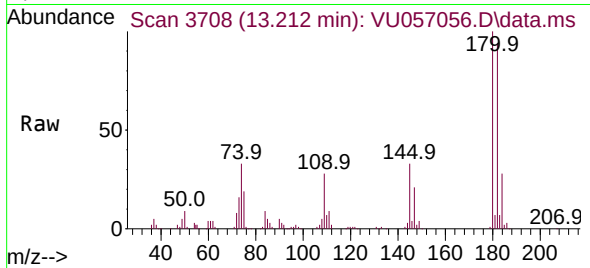
157 82.9 77.3 115.9



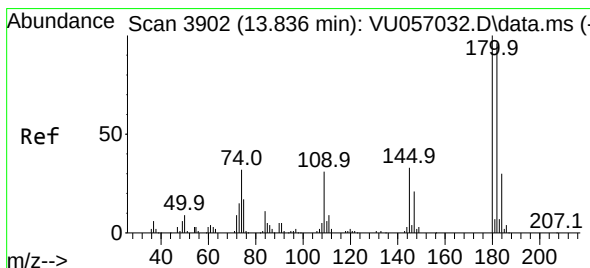
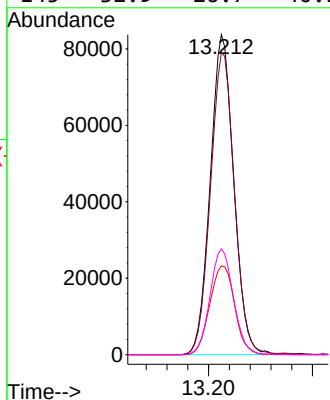
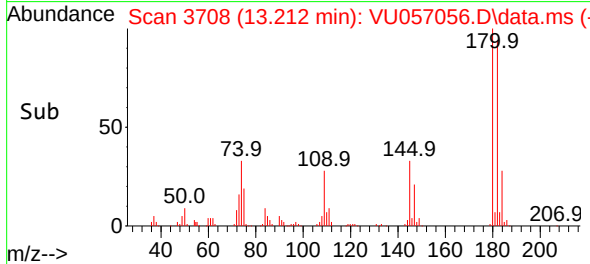


#69
 1,3,5-Trichlorobenzene
 Concen: 4.502 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU057056.D
 Acq: 19 Dec 2023 20:00

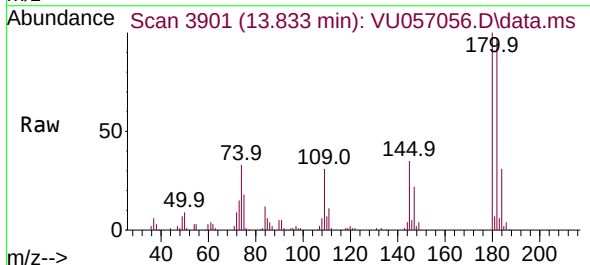
Instrument :
 MSVOA_U
 ClientSampleId :



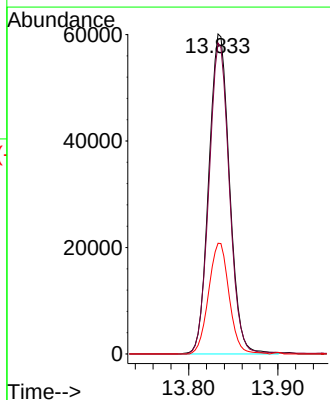
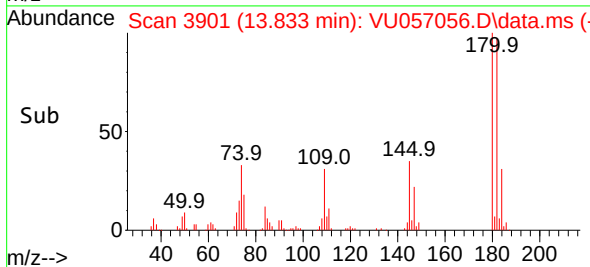
Tgt Ion:180 Resp: 131493
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.2 114.4
 184 29.4 24.6 37.0
 145 32.9 26.7 40.1

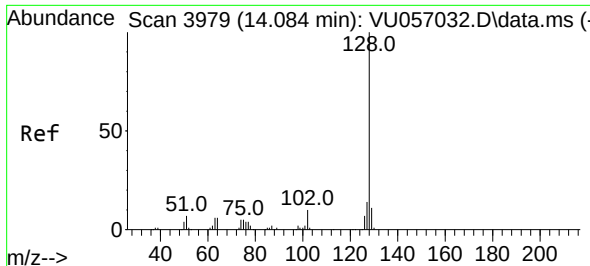


#70
 1,2,4-trichlorobenzene
 Concen: 4.191 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU057056.D
 Acq: 19 Dec 2023 20:00



Tgt Ion:180 Resp: 96943
 Ion Ratio Lower Upper
 180 100
 182 95.5 74.3 111.5
 145 34.2 26.7 40.1

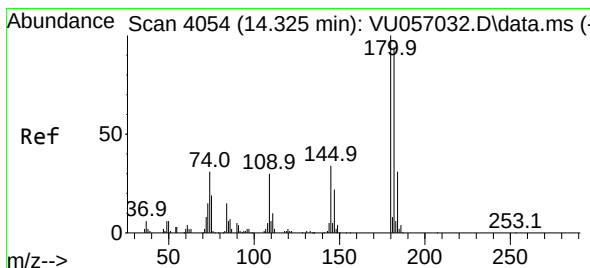
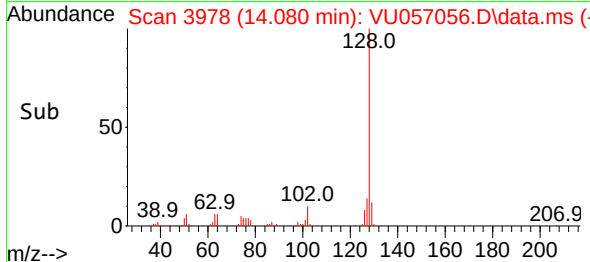
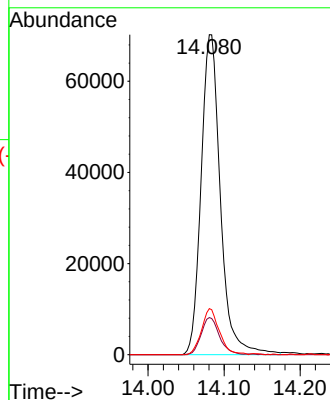
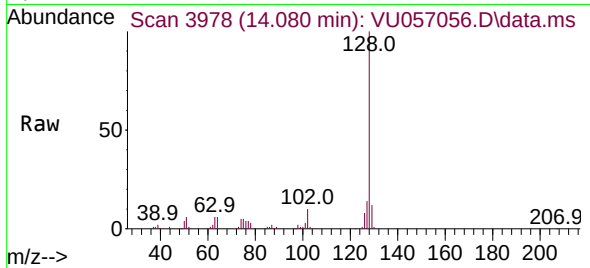




#71
Naphthalene
Concen: 3.659 ug/L
RT: 14.080 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 123866
Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 13.2 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.073 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU057056.D
Acq: 19 Dec 2023 20:00

Tgt Ion:180 Resp: 79982
Ion Ratio Lower Upper
180 100
182 95.6 75.0 112.6
145 35.6 28.6 42.8

