

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111823\
 Data File : VU056493.D
 Acq On : 18 Nov 2023 20:27
 Operator : MD/SY
 Sample : 05436-03MSD
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EY1D1MSD

Quant Time: Nov 18 23:15:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 18 00:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	287687	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	279526	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	140879	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	67615	3.142	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.800%
7) Chloroethane-d5	1.907	69	62832	3.808	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.200%
11) 1,1-Dichloroethene-d2	2.563	65	32252	3.396	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.000%
20) 2-Butanone-d5	4.618	46	250246	58.323	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.640%
24) Chloroform-d	5.055	84	195024	4.686	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	5.695	65	98125	5.102	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
32) Benzene-d6	5.721	84	346620	4.162	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
36) 1,2-Dichloropropane-d6	6.685	67	114048	4.544	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.891	98	301919	4.105	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
43) trans-1,3-Dichloroprop...	8.174	79	42422	4.407	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.200%
46) 2-Hexanone-d5	8.627	63	222580	58.837	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.680%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	96170	5.362	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	118652	4.559	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	114850	5.039	ug/L	98
3) Chloromethane	1.515	50	114161	4.901	ug/L	99
5) Vinyl chloride	1.602	62	110671	4.931	ug/L	99
6) Bromomethane	1.853	94	55383	4.875	ug/L	100
8) Chloroethane	1.927	64	65851	4.803	ug/L	93
9) Trichlorofluoromethane	2.132	101	167563	5.181	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	102337	5.330	ug/L	99
12) 1,1-Dichloroethene	2.576	96	89552	5.085	ug/L	82
13) Acetone	2.628	43	127657	34.932	ug/L	98
14) Carbon disulfide	2.788	76	249276	4.350	ug/L	98
15) Methyl Acetate	2.946	43	33123	5.093	ug/L	97
16) Methylene chloride	3.039	84	108259	4.645	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	229064	5.354	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	92511	5.106	ug/L	93
19) 1,1-Dichloroethane	3.862	63	190732	5.314	ug/L	96
21) 2-Butanone	4.701	43	216558	45.668	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	109146	5.312	ug/L	94
23) Bromochloromethane	4.968	128	45404	5.368	ug/L	95
25) Chloroform	5.081	83	203575	5.235	ug/L	98

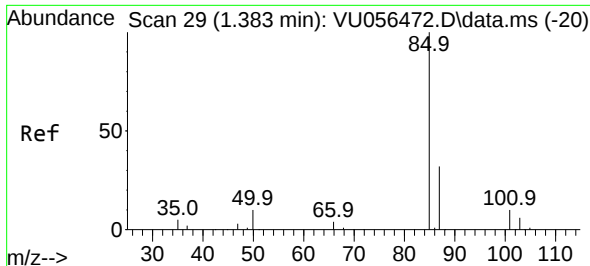
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	119766	5.424	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	173560	5.409	ug/L	99
30) Cyclohexane	5.383	56	142484	4.679	ug/L	99
31) Carbon tetrachloride	5.518	117	147071	5.337	ug/L	98
33) Benzene	5.769	78	415850	5.214	ug/L	100
34) Trichloroethene	6.537	95	112680	5.185	ug/L	98
35) Methylcyclohexane	6.759	83	150698	4.803	ug/L	99
37) 1,2-Dichloropropane	6.785	63	111976	5.384	ug/L	98
38) Bromodichloromethane	7.100	83	142618	5.311	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	157788	5.163	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	557041	54.027	ug/L	99
42) Toluene	7.965	91	440100	5.330	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	130479	5.355	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	76105	5.494	ug/L	95
47) Tetrachloroethene	8.550	164	78316	5.344	ug/L	98
48) 2-Hexanone	8.679	43	409338	50.961	ug/L	98
49) Dibromochloromethane	8.804	129	87999	5.586	ug/L	97
50) 1,2-Dibromoethane	8.920	107	71040	5.432	ug/L	97
51) Chlorobenzene	9.441	112	281411	5.304	ug/L	98
52) Ethylbenzene	9.566	91	489407	5.337	ug/L	100
53) m,p-Xylene	9.692	106	183059	5.431	ug/L	99
54) o-Xylene	10.097	106	181474	5.542	ug/L	97
55) Styrene	10.110	104	307517	5.646	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	95536	5.648	ug/L	99
59) Bromoform	10.286	173	50067	5.705	ug/L	99
60) Isopropylbenzene	10.479	105	493538	5.432	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	67310	5.568	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	394633	5.290	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	398951	5.418	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	230246	5.571	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	221800	5.350	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	209380	5.522	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	13246	5.130	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	164864	5.298	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	138906	5.481	ug/L	97
71) Naphthalene	14.084	128	214242	5.595	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	120197	5.757	ug/L	99

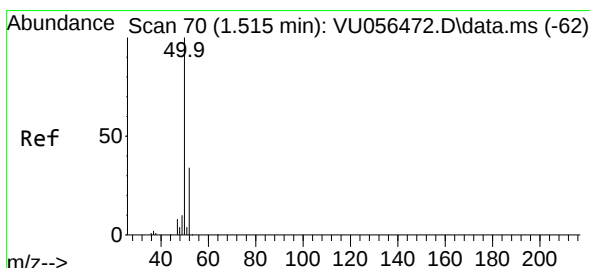
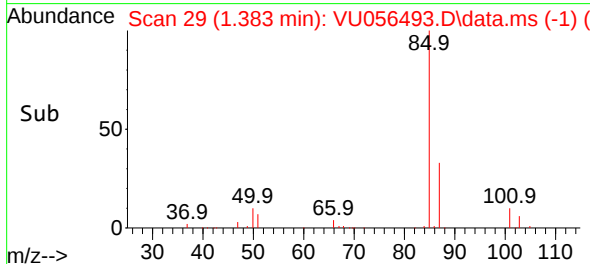
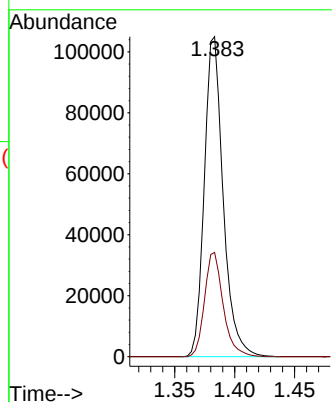
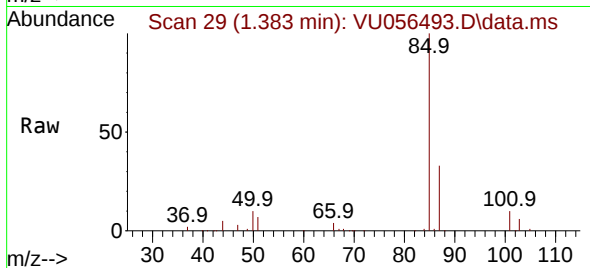
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.039 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU056493.D
 Acq: 18 Nov 2023 20:27

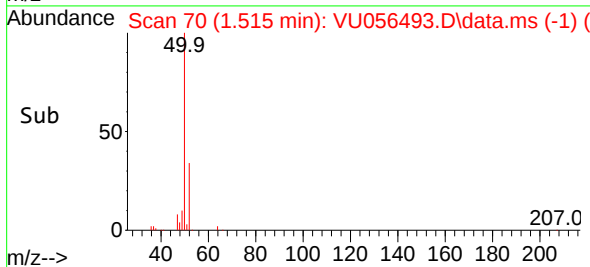
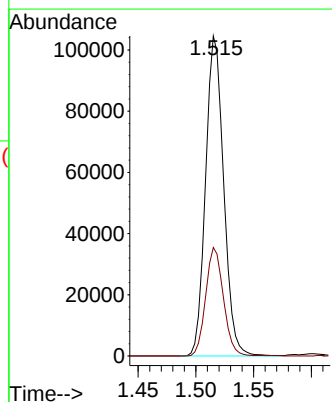
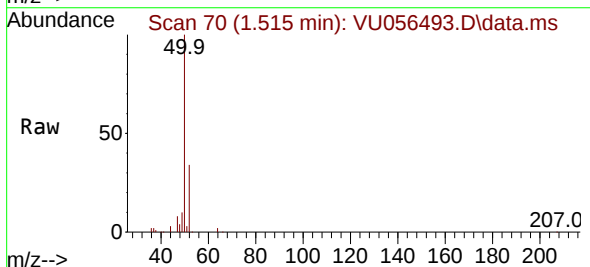
Instrument :
 MSVOA_U
 ClientSampleId :
 EY1D1MSD

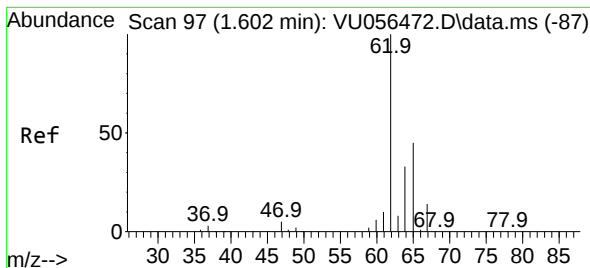
Tgt Ion: 85 Resp: 114850
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.0 37.4



#3
 Chloromethane
 Concen: 4.901 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU056493.D
 Acq: 18 Nov 2023 20:27

Tgt Ion: 50 Resp: 114161
 Ion Ratio Lower Upper
 50 100
 52 33.9 24.3 45.1





#5

Vinyl chloride

Concen: 4.931 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

Instrument :

MSVOA_U

ClientSampleId :

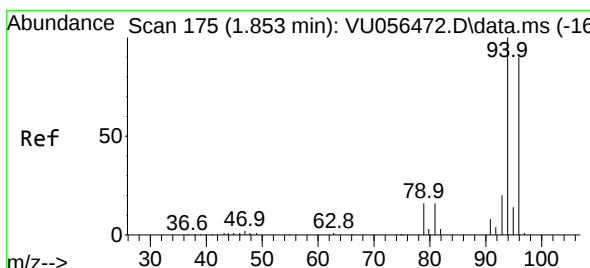
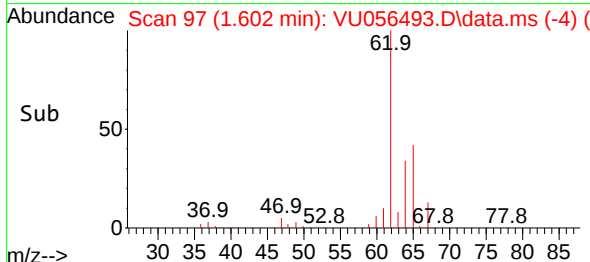
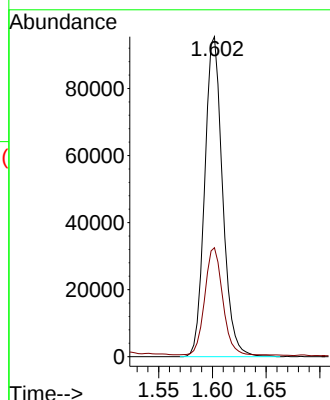
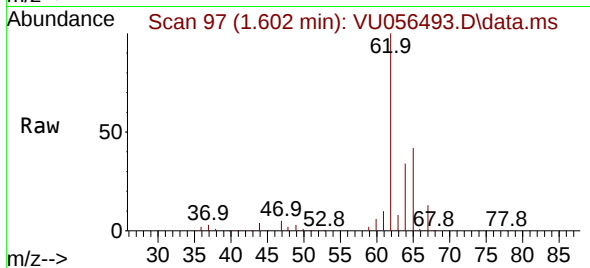
EY1D1MSD

Tgt Ion: 62 Resp: 110671

Ion Ratio Lower Upper

62 100

64 34.1 23.3 43.3



#6

Bromomethane

Concen: 4.875 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.000 min

Lab File: VU056493.D

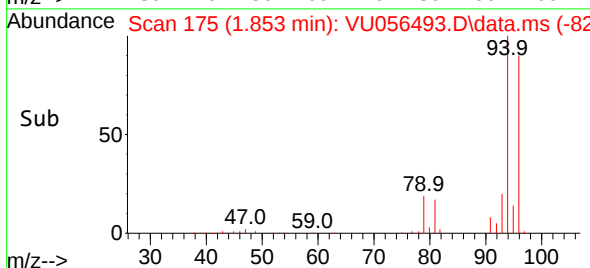
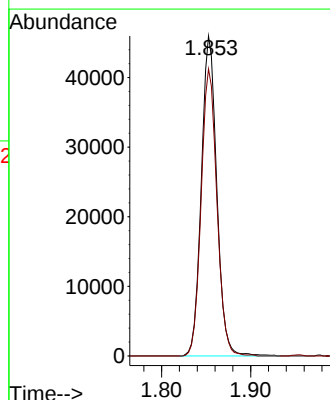
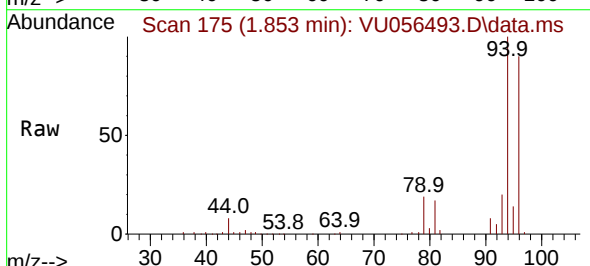
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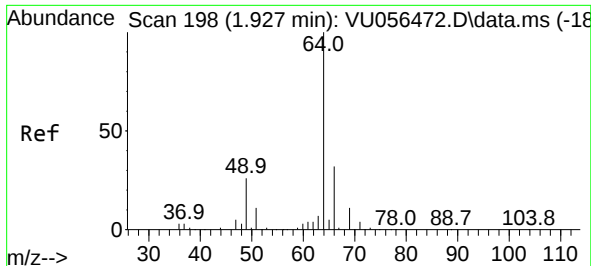
Tgt Ion: 94 Resp: 55383

Ion Ratio Lower Upper

94 100

96 89.7 62.6 116.2

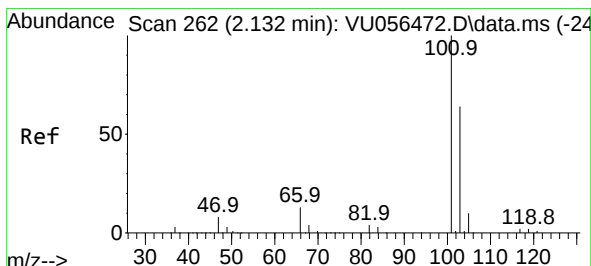
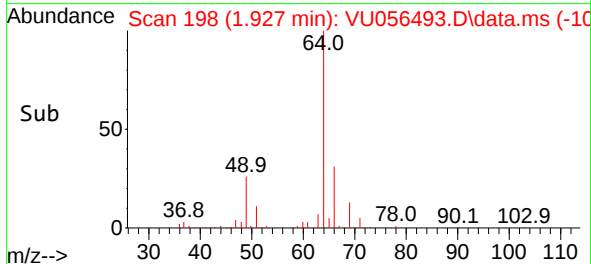
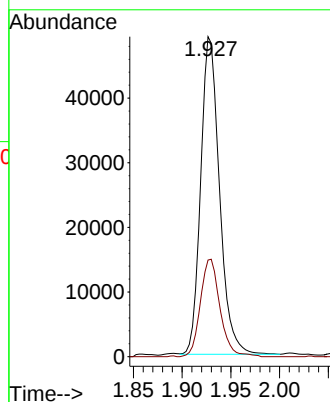
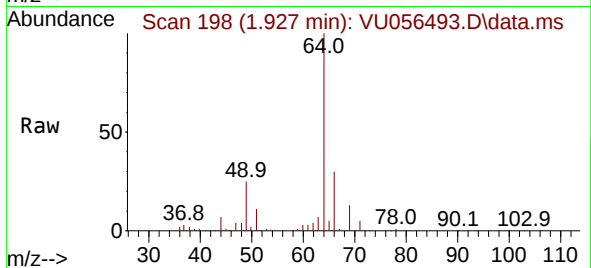




#8
Chloroethane
Concen: 4.803 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

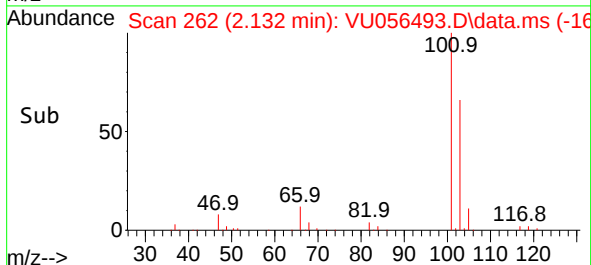
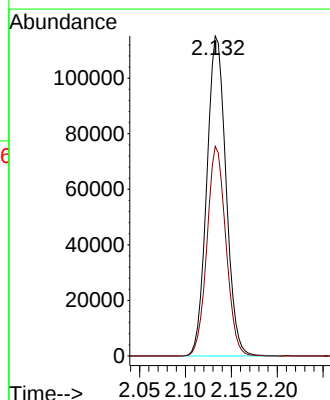
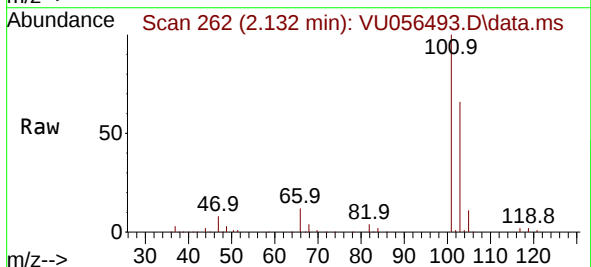
Instrument :
MSVOA_U
ClientSampleId :
EY1D1MSD

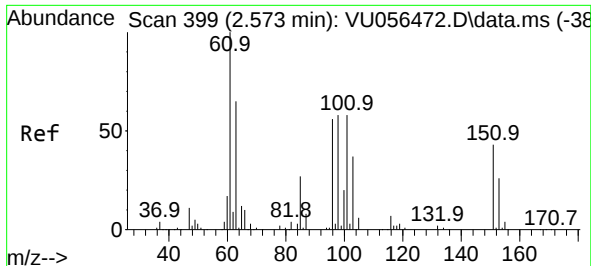
Tgt Ion: 64 Resp: 65851
Ion Ratio Lower Upper
64 100
66 30.2 23.9 44.5



#9
Trichlorofluoromethane
Concen: 5.181 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

Tgt Ion:101 Resp: 167563
Ion Ratio Lower Upper
101 100
103 64.5 52.0 78.0

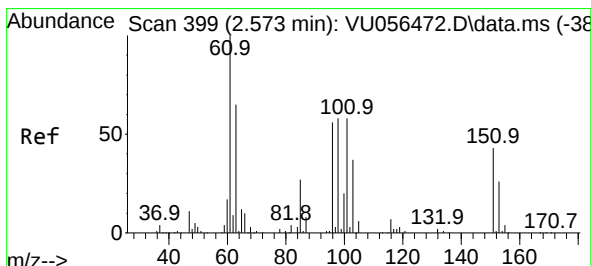
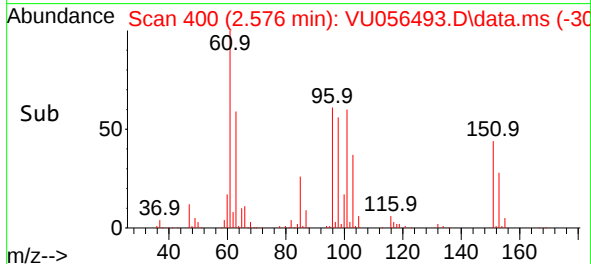
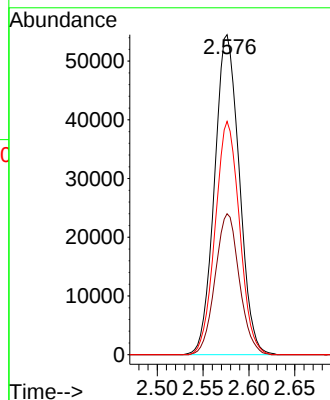
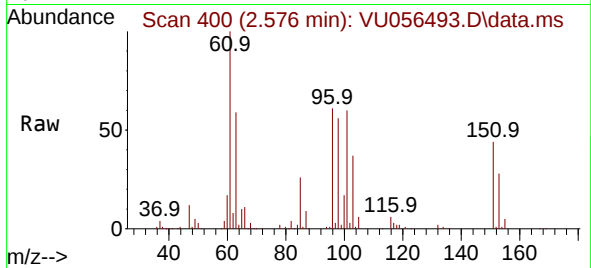




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.330 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

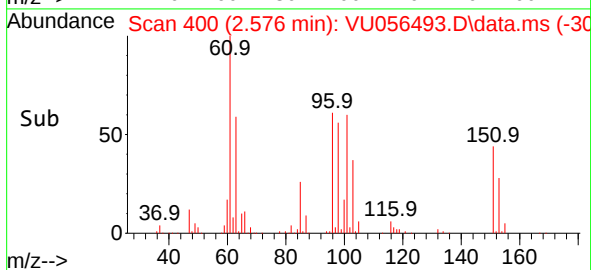
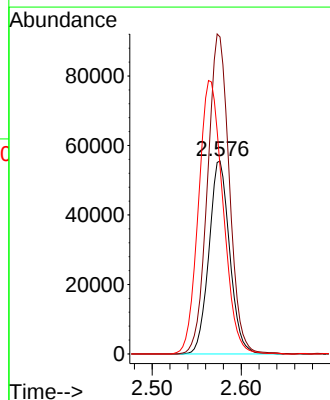
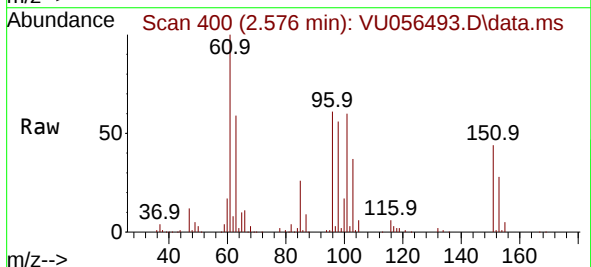
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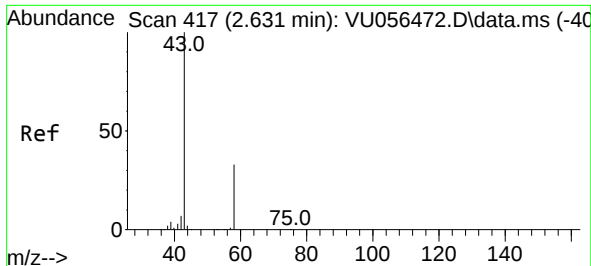
Tgt Ion:101 Resp: 102337
Ion Ratio Lower Upper
101 100
85 43.1 35.4 53.0
151 71.8 58.0 87.0



#12
1,1-Dichloroethene
Concen: 5.085 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

Tgt Ion: 96 Resp: 89552
Ion Ratio Lower Upper
96 100
61 164.2 123.1 228.7
63 97.0 93.3 173.3





#13

Acetone

Concen: 34.932 ug/L

RT: 2.628 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

Instrument :

MSVOA_U

ClientSampleId :

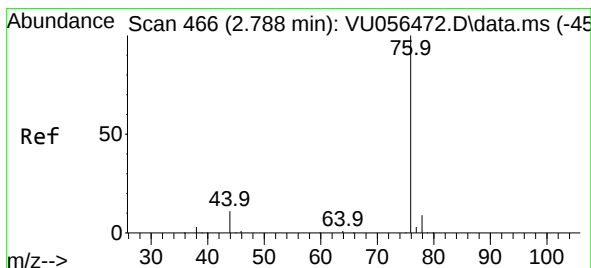
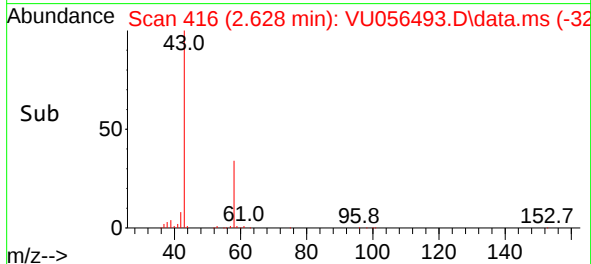
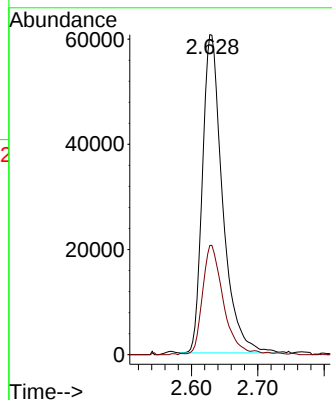
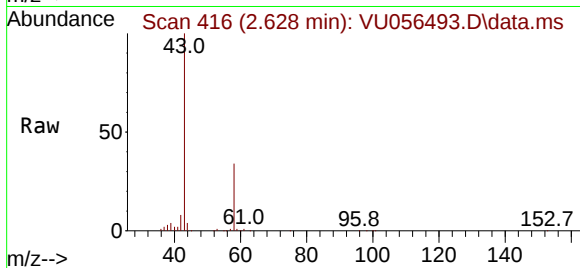
EY1D1MSD

Tgt Ion: 43 Resp: 127657

Ion Ratio Lower Upper

43 100

58 34.1 0.0 70.0



#14

Carbon disulfide

Concen: 4.350 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056493.D

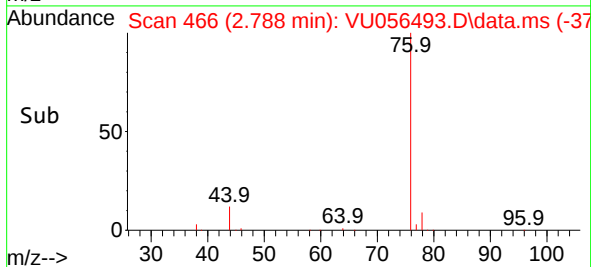
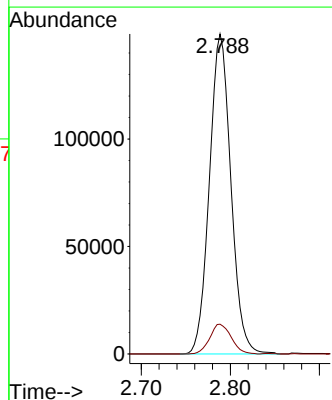
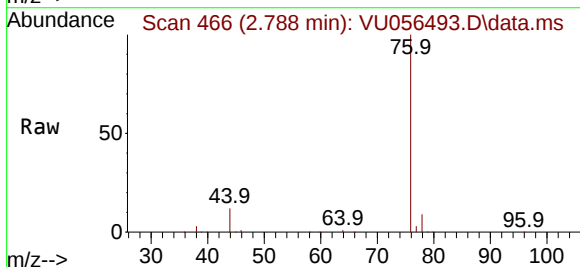
Acq: 18 Nov 2023 20:27

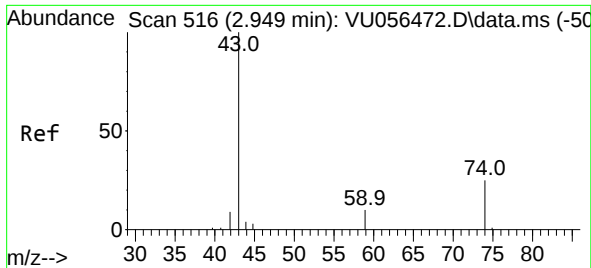
Tgt Ion: 76 Resp: 249276

Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2

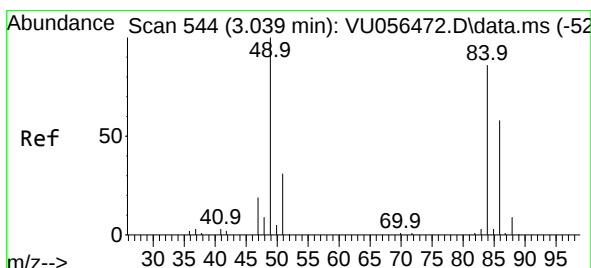
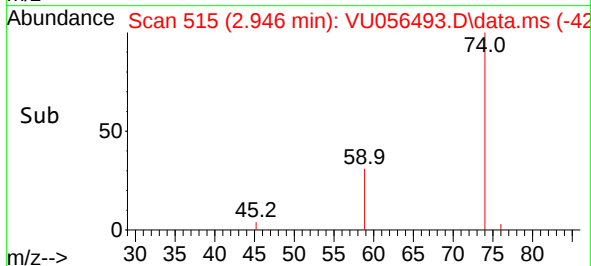
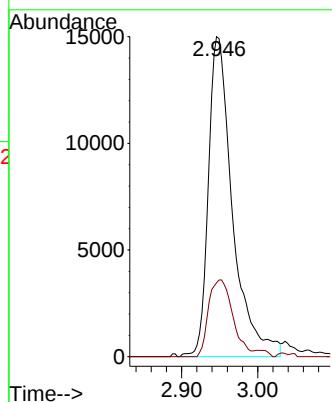
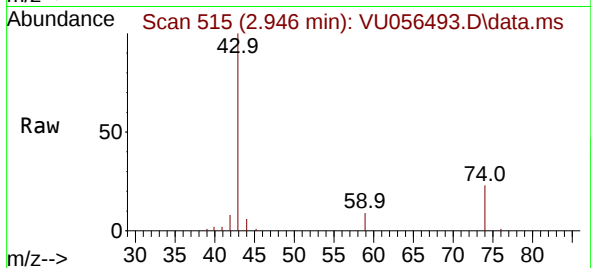




#15
Methyl Acetate
Concen: 5.093 ug/L
RT: 2.946 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

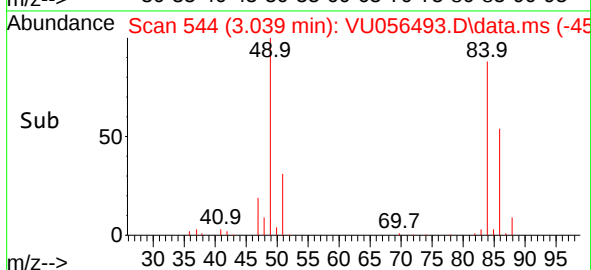
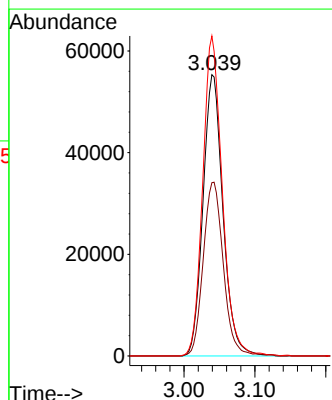
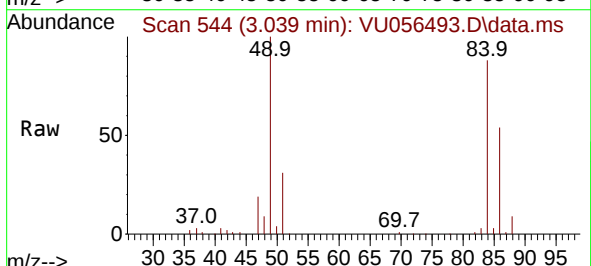
Instrument :
MSVOA_U
ClientSampleId :
EY1D1MSD

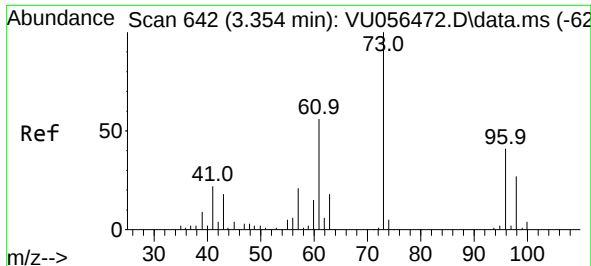
Tgt Ion: 43 Resp: 33123
Ion Ratio Lower Upper
43 100
74 24.0 20.6 31.0



#16
Methylene chloride
Concen: 4.645 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

Tgt Ion: 84 Resp: 108259
Ion Ratio Lower Upper
84 100
86 61.6 44.7 83.1
49 113.8 81.8 152.0





#17

Methyl tert-butyl Ether

Concen: 5.354 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

Instrument :

MSVOA_U

ClientSampleId :

EY1D1MSD

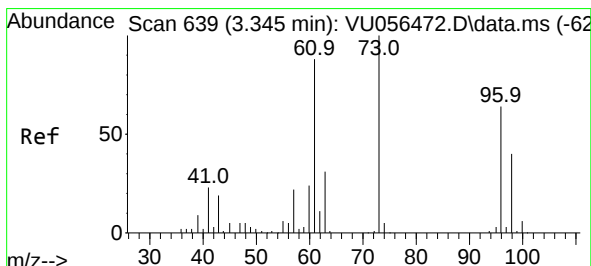
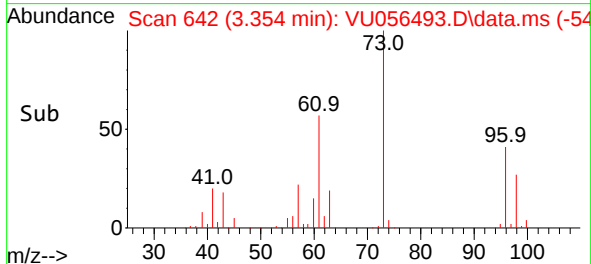
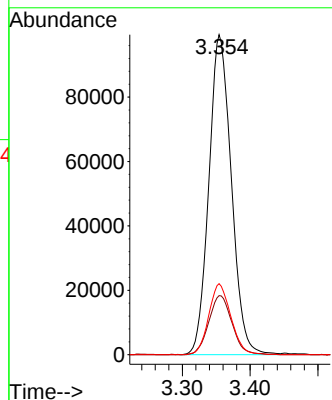
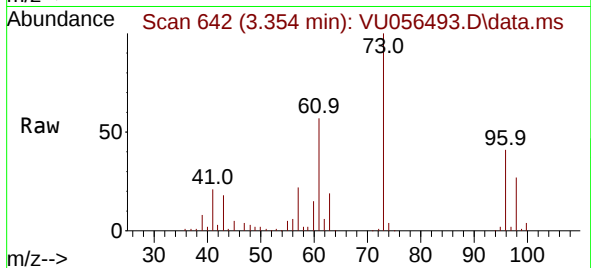
Tgt Ion: 73 Resp: 229064

Ion Ratio Lower Upper

73 100

43 19.1 15.1 22.7

57 21.8 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 5.106 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

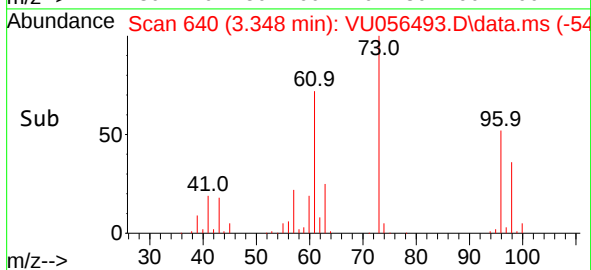
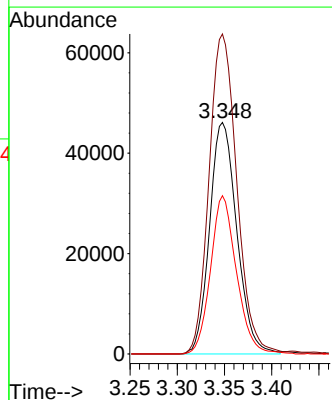
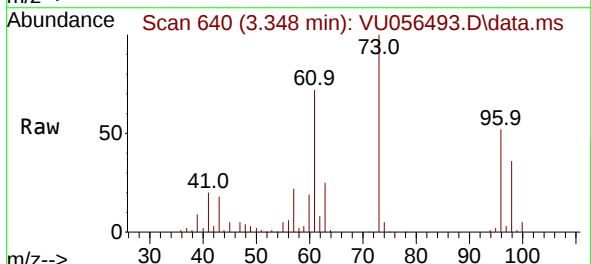
Tgt Ion: 96 Resp: 92511

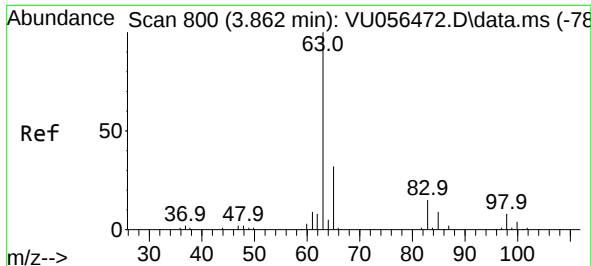
Ion Ratio Lower Upper

96 100

61 138.2 101.7 188.9

98 68.4 43.0 80.0





#19

1,1-Dichloroethane

Concen: 5.314 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

Instrument :

MSVOA_U

ClientSampleId :

EY1D1MSD

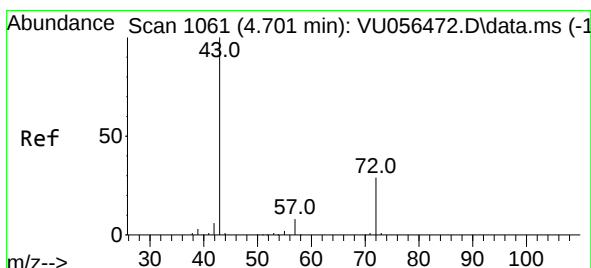
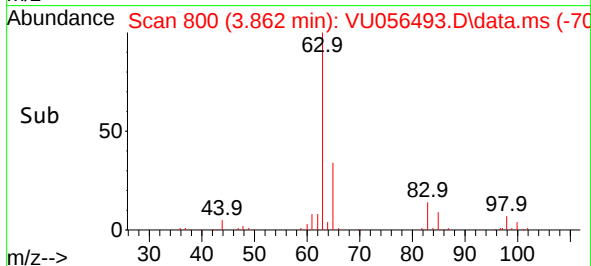
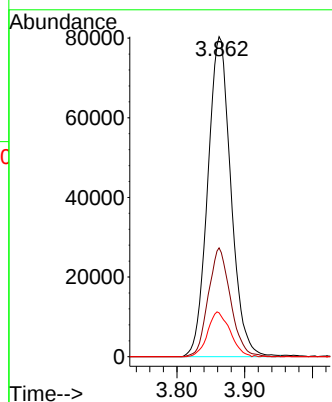
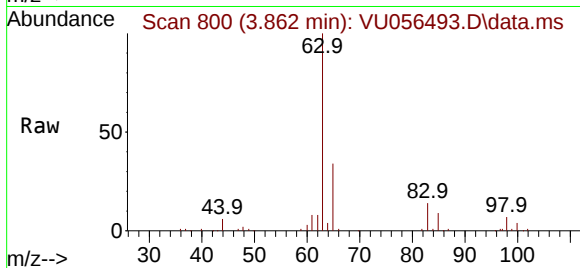
Tgt Ion: 63 Resp: 190732

Ion Ratio Lower Upper

63 100

65 34.0 21.8 40.6

83 13.7 9.7 17.9



#21

2-Butanone

Concen: 45.668 ug/L

RT: 4.701 min Scan# 1061

Delta R.T. 0.003 min

Lab File: VU056493.D

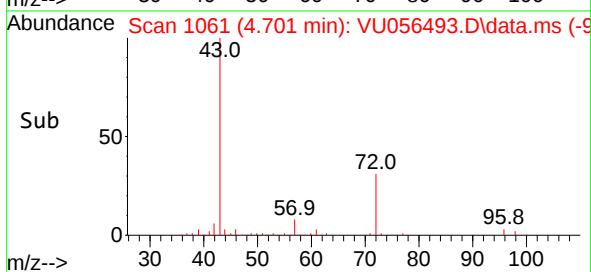
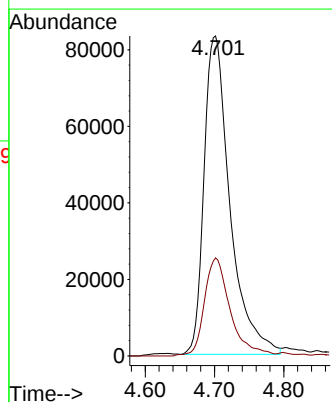
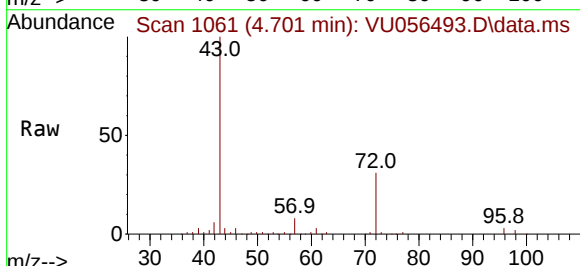
Acq: 18 Nov 2023 20:27

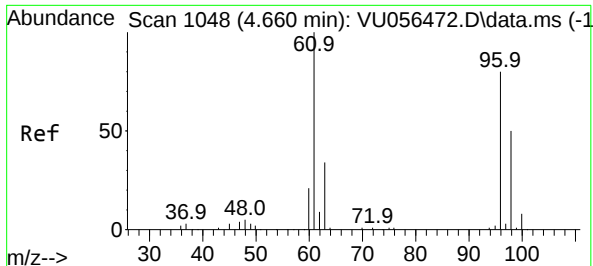
Tgt Ion: 43 Resp: 216558

Ion Ratio Lower Upper

43 100

72 30.6 14.2 42.6

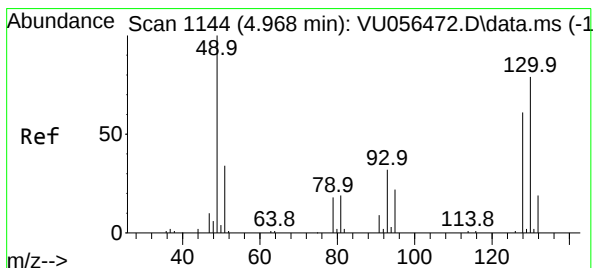
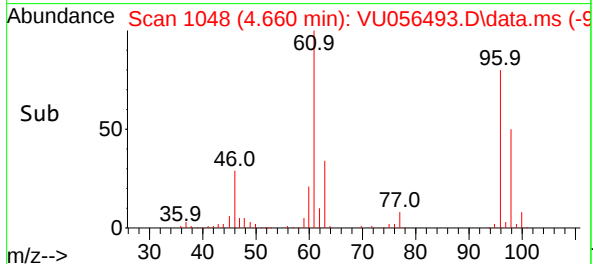
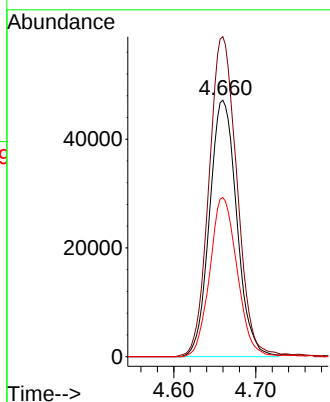
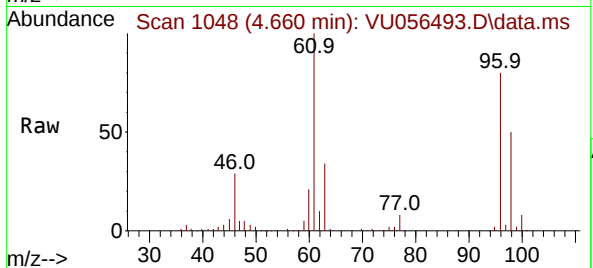




#22
 cis-1,2-Dichloroethene
 Concen: 5.312 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU056493.D
 Acq: 18 Nov 2023 20:27

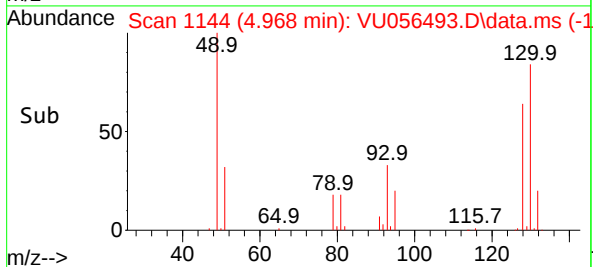
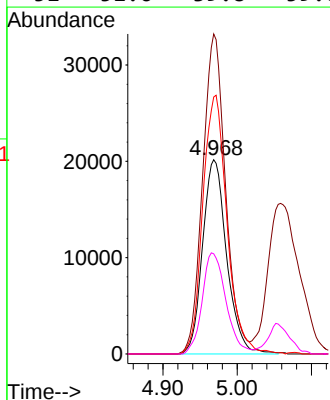
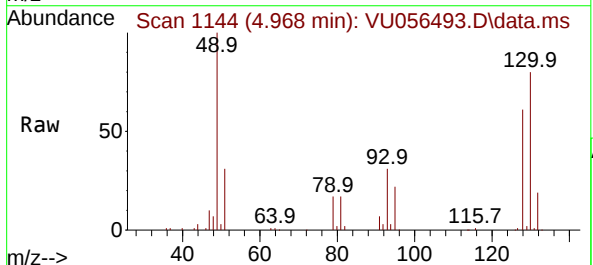
Instrument :
 MSVOA_U
 ClientSampleId :
 EY1D1MSD

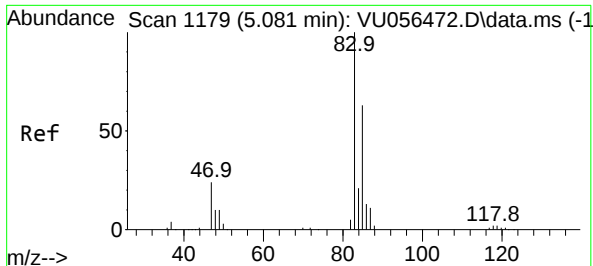
Tgt Ion:	96	Resp:	109146
Ion	Ratio	Lower	Upper
96	100		
61	124.7	93.2	173.2
98	62.1	44.8	83.2



#23
 Bromochloromethane
 Concen: 5.368 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.003 min
 Lab File: VU056493.D
 Acq: 18 Nov 2023 20:27

Tgt Ion:	128	Resp:	45404
Ion	Ratio	Lower	Upper
128	100		
49	164.8	113.4	210.6
130	132.3	84.8	157.6
51	51.6	39.8	59.6





#25

Chloroform

Concen: 5.235 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

Instrument :

MSVOA_U

ClientSampleId :

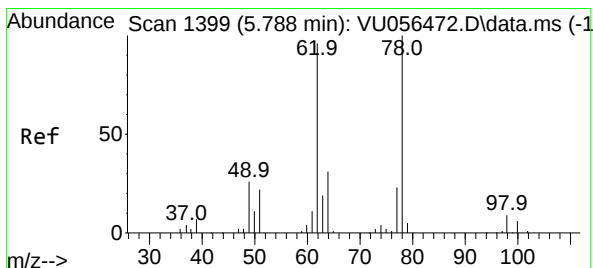
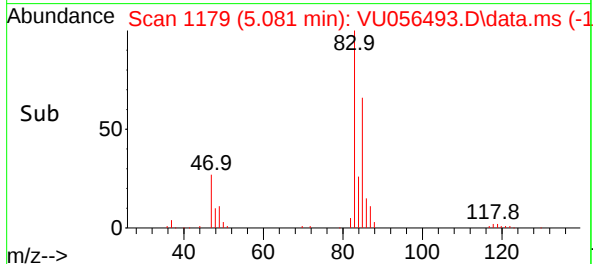
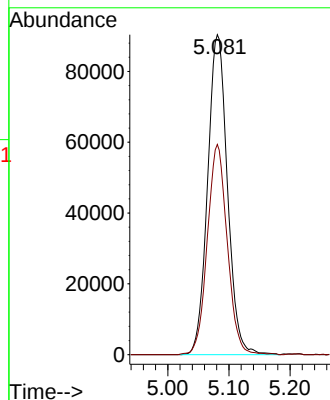
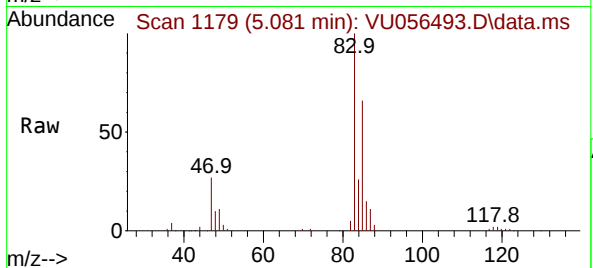
EY1D1MSD

Tgt Ion: 83 Resp: 203575

Ion Ratio Lower Upper

83 100

85 65.7 47.0 87.2



#27

1,2-Dichloroethane

Concen: 5.424 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056493.D

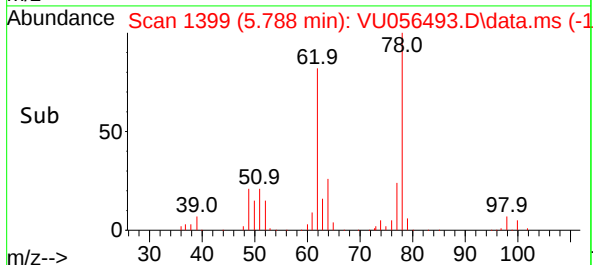
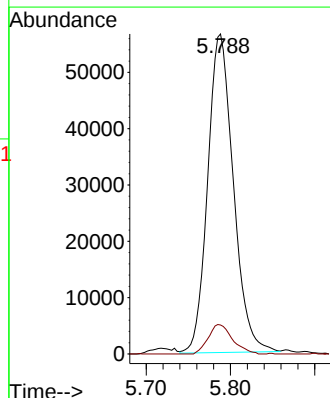
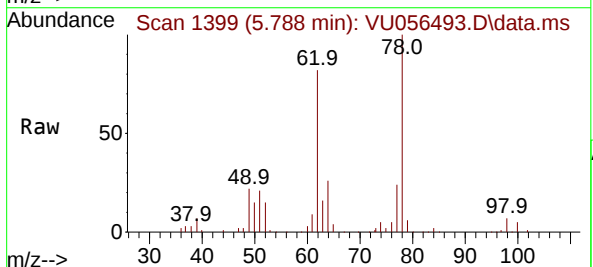
Acq: 18 Nov 2023 20:27

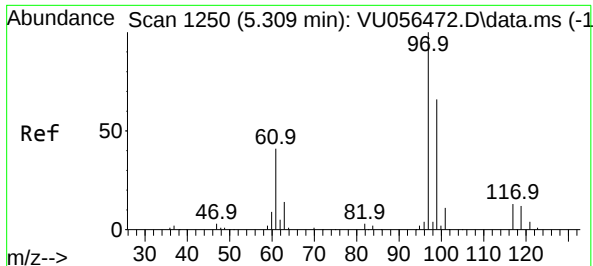
Tgt Ion: 62 Resp: 119766

Ion Ratio Lower Upper

62 100

98 9.1 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.409 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

Instrument :

MSVOA_U

ClientSampleId :

EY1D1MSD

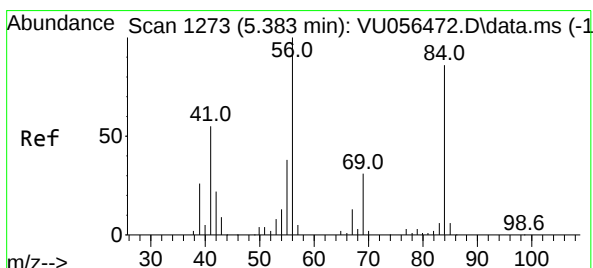
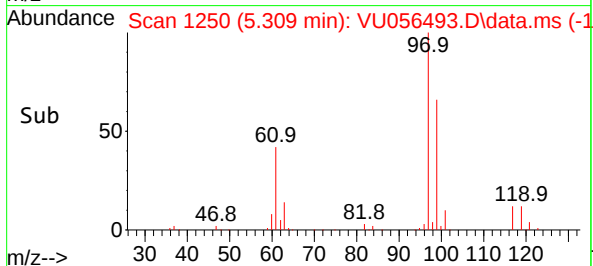
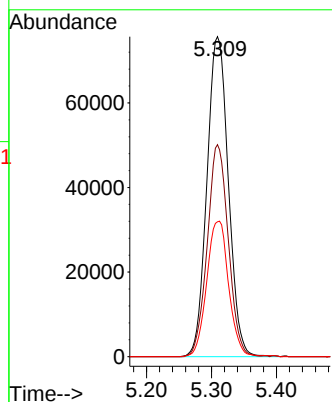
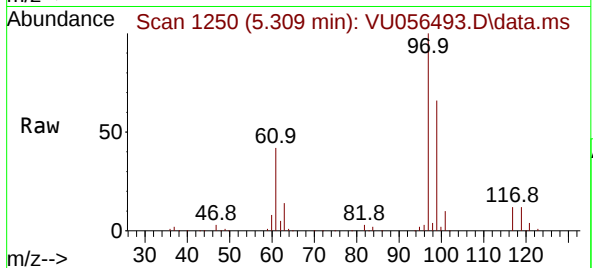
Tgt Ion: 97 Resp: 173560

Ion Ratio Lower Upper

97 100

99 65.0 51.6 77.4

61 43.3 34.3 51.5



#30

Cyclohexane

Concen: 4.679 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

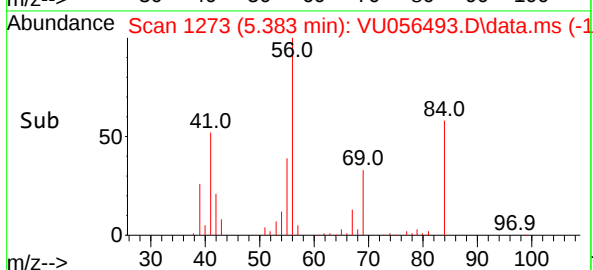
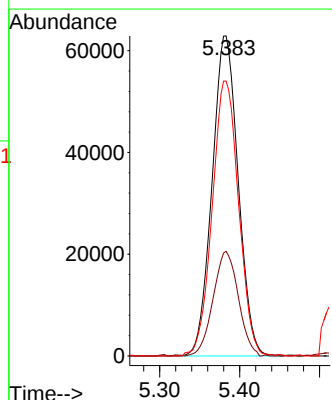
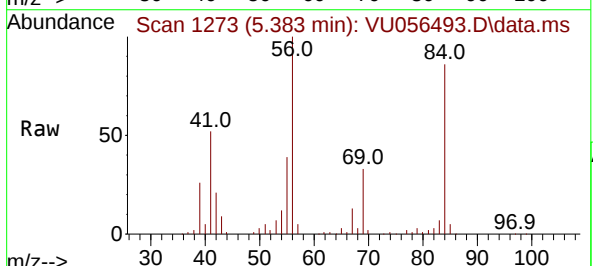
Tgt Ion: 56 Resp: 142484

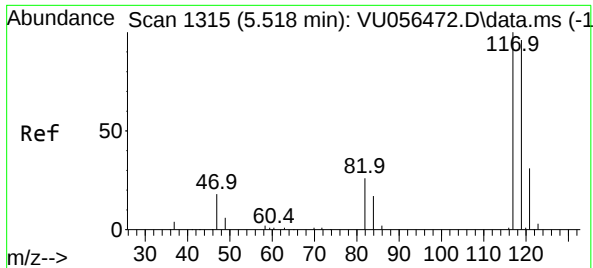
Ion Ratio Lower Upper

56 100

69 31.6 25.4 38.2

84 86.7 68.6 103.0

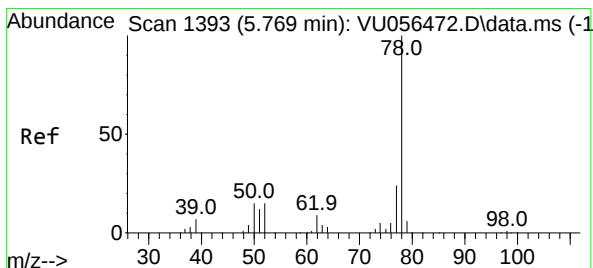
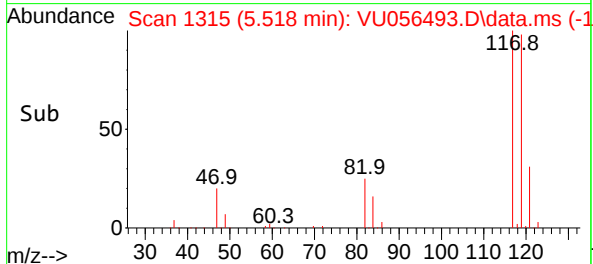
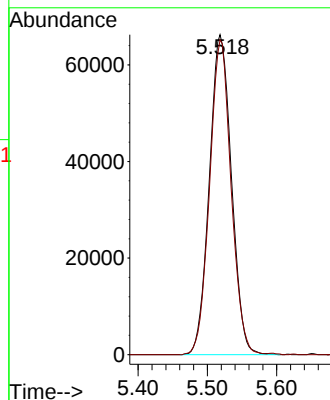
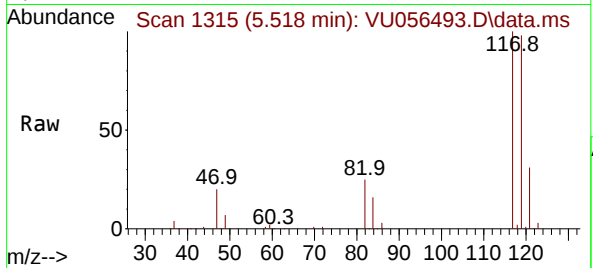




#31
Carbon tetrachloride
Concen: 5.337 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

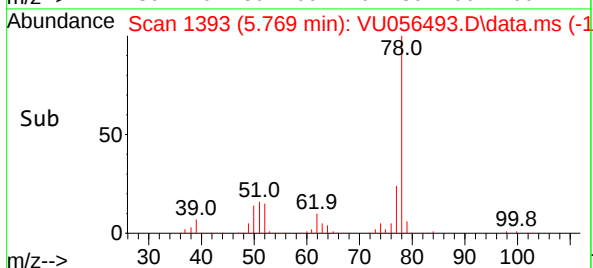
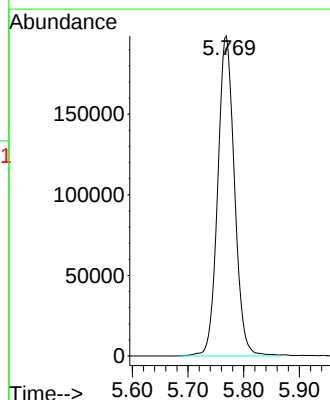
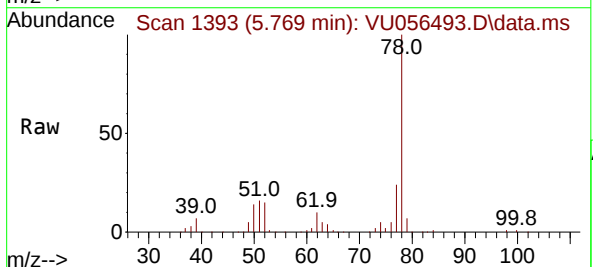
Instrument :
MSVOA_U
ClientSampleId :
EY1D1MSD

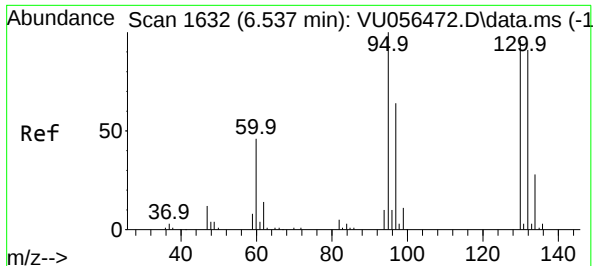
Tgt Ion:117 Resp: 147071
Ion Ratio Lower Upper
117 100
119 95.5 78.1 117.1



#33
Benzene
Concen: 5.214 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

Tgt Ion: 78 Resp: 415850





#34

Trichloroethene

Concen: 5.185 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

Instrument :

MSVOA_U

ClientSampleId :

EY1D1MSD

Tgt Ion: 95 Resp: 112680

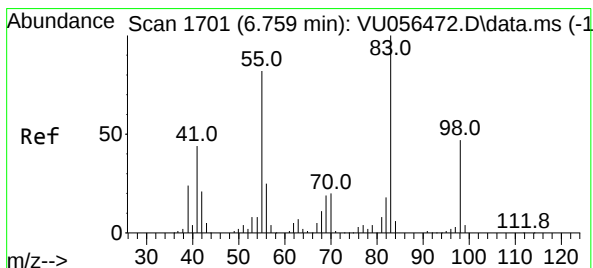
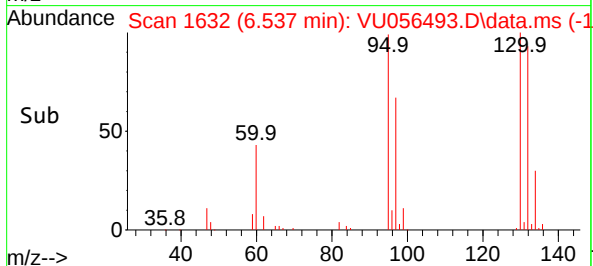
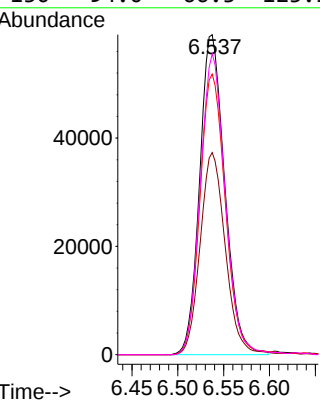
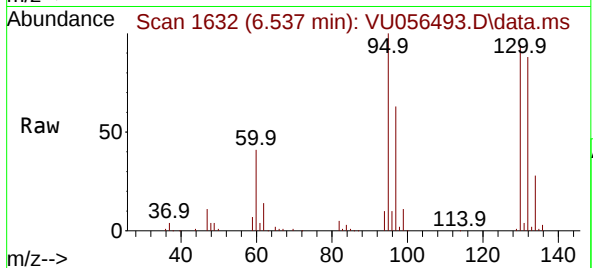
Ion Ratio Lower Upper

95 100

97 63.2 46.5 86.3

132 87.7 62.0 115.2

130 94.0 66.3 123.1



#35

Methylcyclohexane

Concen: 4.803 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

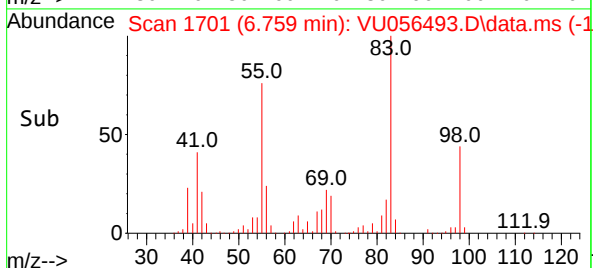
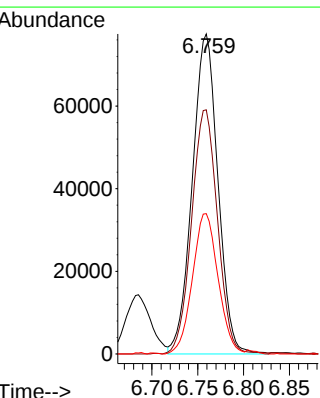
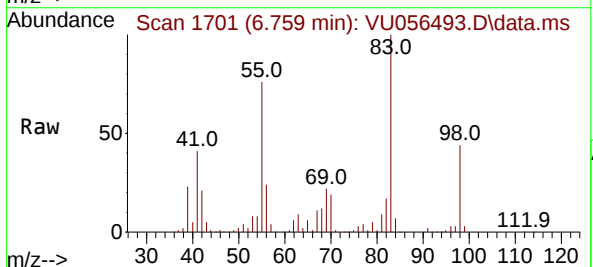
Tgt Ion: 83 Resp: 150698

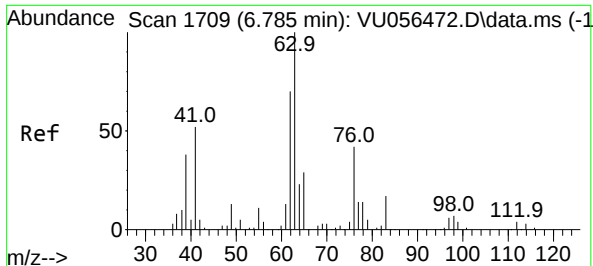
Ion Ratio Lower Upper

83 100

55 77.1 62.9 94.3

98 43.8 35.3 52.9





#37

1,2-Dichloropropane

Concen: 5.384 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

Instrument :

MSVOA_U

ClientSampleId :

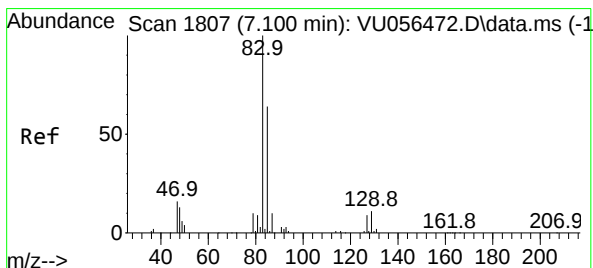
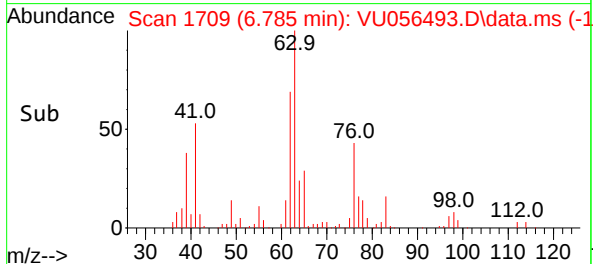
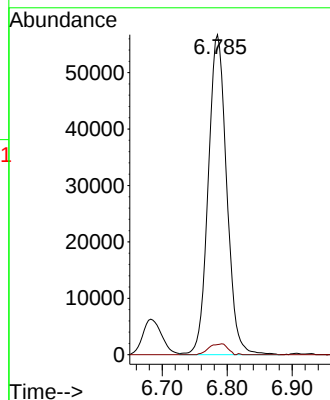
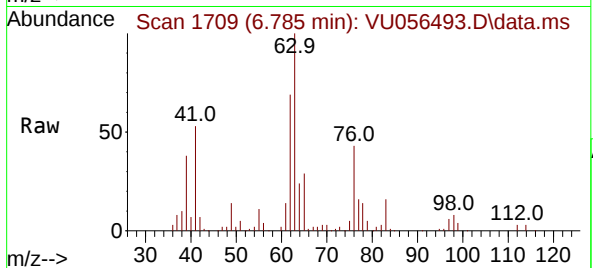
EY1D1MSD

Tgt Ion: 63 Resp: 111976

Ion Ratio Lower Upper

63 100

112 3.4 3.2 4.8



#38

Bromodichloromethane

Concen: 5.311 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

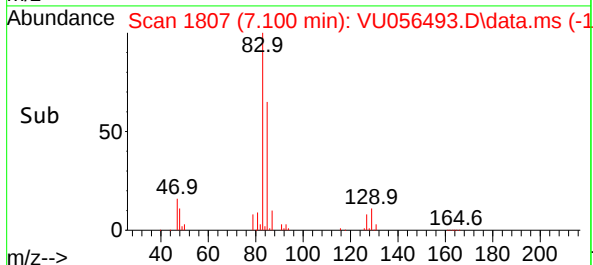
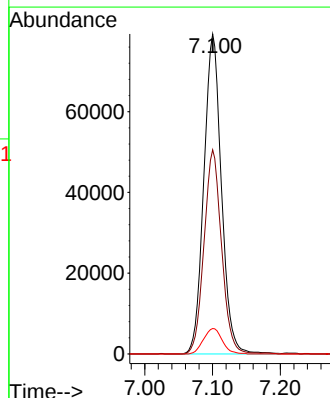
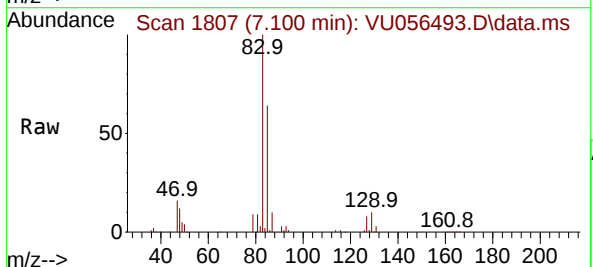
Tgt Ion: 83 Resp: 142618

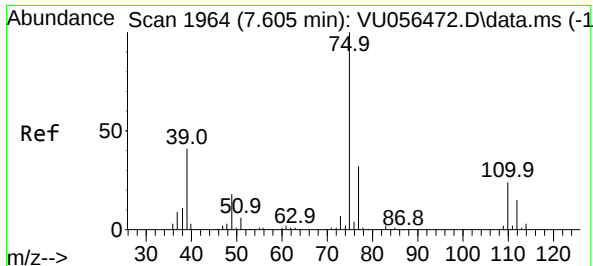
Ion Ratio Lower Upper

83 100

85 63.8 44.9 83.5

127 8.0 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.163 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

Instrument :

MSVOA_U

ClientSampleId :

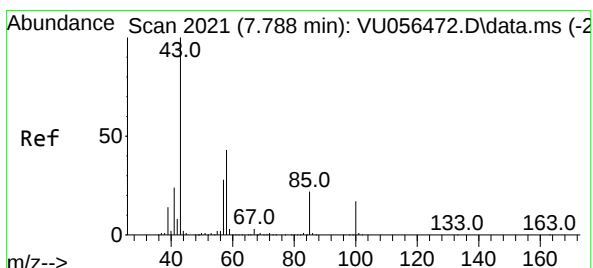
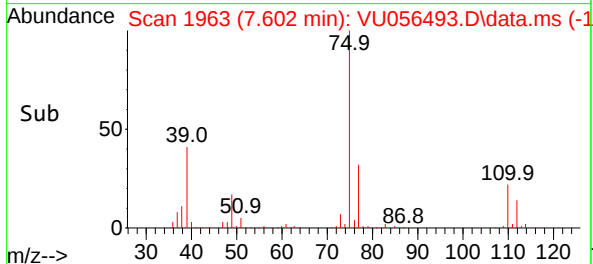
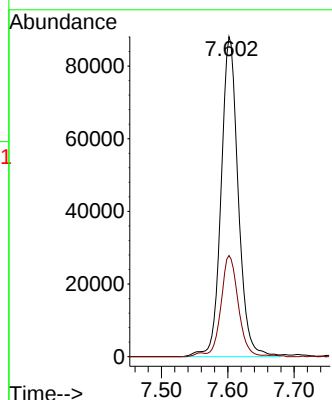
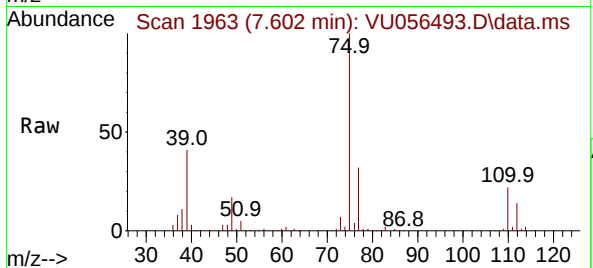
EY1D1MSD

Tgt Ion: 75 Resp: 157788

Ion Ratio Lower Upper

75 100

77 31.6 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 54.027 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

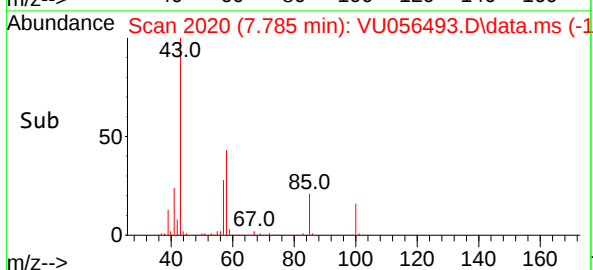
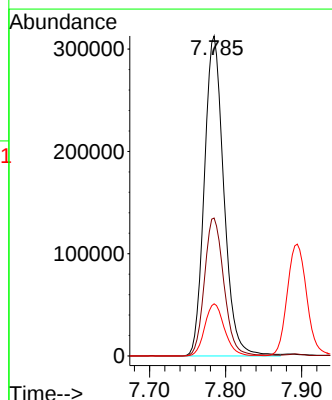
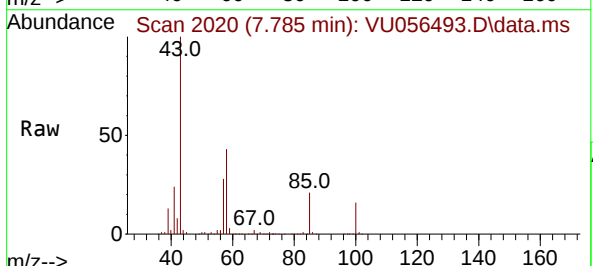
Tgt Ion: 43 Resp: 557041

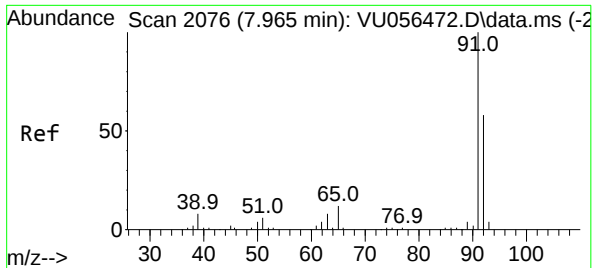
Ion Ratio Lower Upper

43 100

58 43.3 33.8 50.8

100 16.6 13.0 19.4





#42

Toluene

Concen: 5.330 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

Instrument :

MSVOA_U

ClientSampleId :

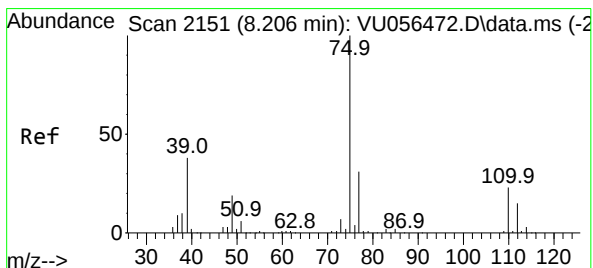
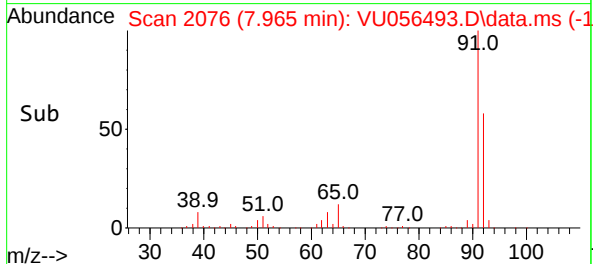
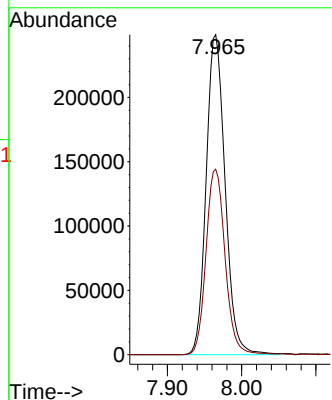
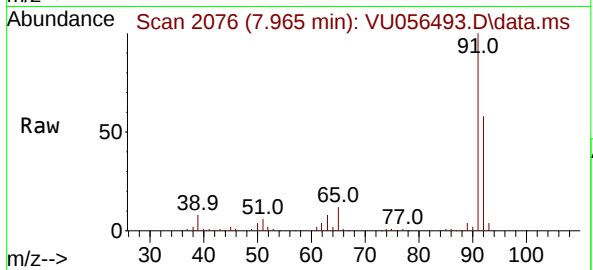
EY1D1MSD

Tgt Ion: 91 Resp: 440100

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.355 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056493.D

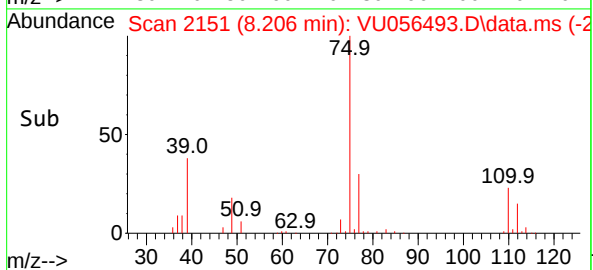
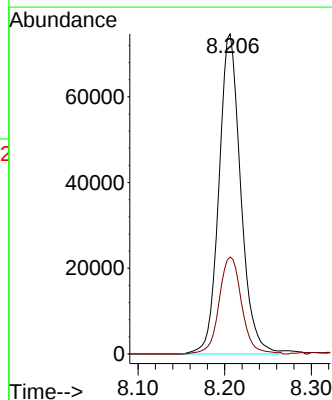
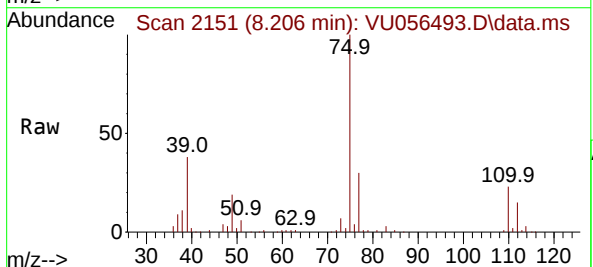
Acq: 18 Nov 2023 20:27

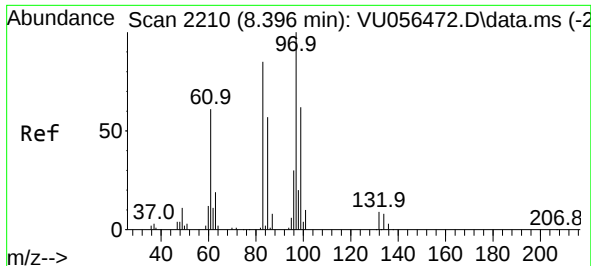
Tgt Ion: 75 Resp: 130479

Ion Ratio Lower Upper

75 100

77 30.3 22.8 42.4

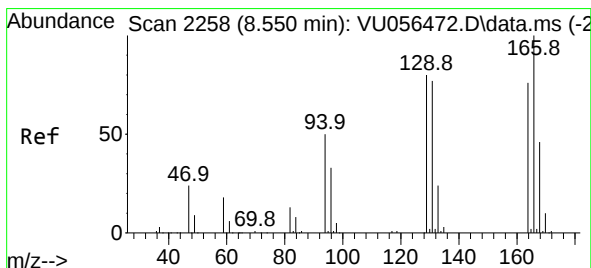
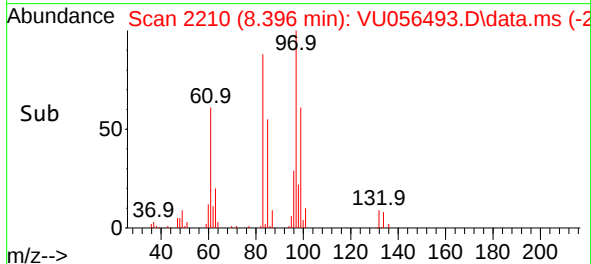
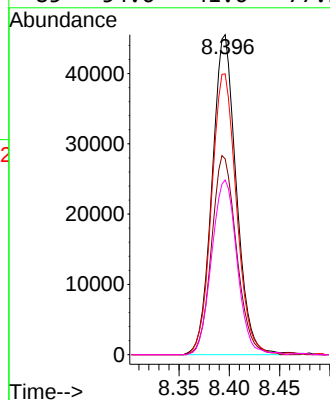
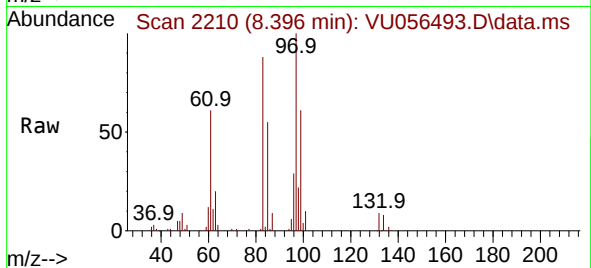




#45
1,1,2-Trichloroethane
Concen: 5.494 ug/L
RT: 8.396 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

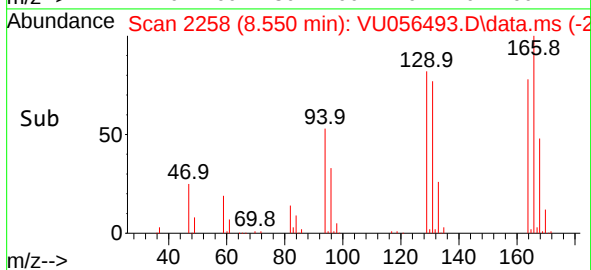
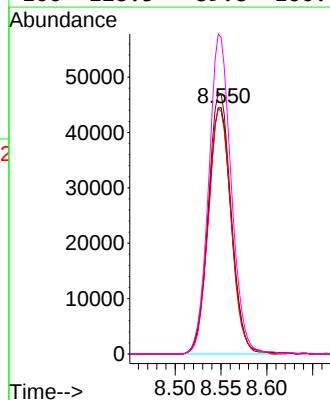
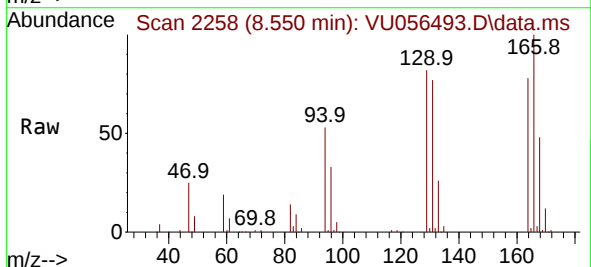
Instrument :
MSVOA_U
ClientSampleId :
EY1D1MSD

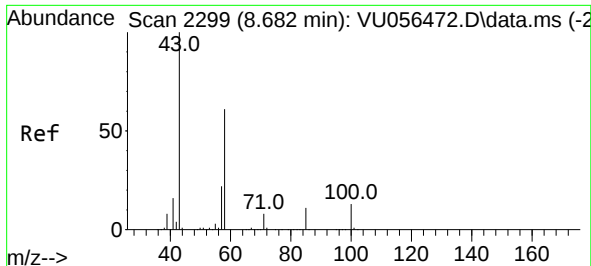
Tgt Ion:	97	Resp:	76105
Ion	Ratio	Lower	Upper
97	100		
99	61.2	44.3	82.3
83	87.8	65.4	121.4
85	54.6	41.6	77.3



#47
Tetrachloroethene
Concen: 5.344 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

Tgt Ion:	164	Resp:	78316
Ion	Ratio	Lower	Upper
164	100		
129	105.7	71.0	131.9
131	98.5	70.3	130.7
166	128.5	89.8	166.8



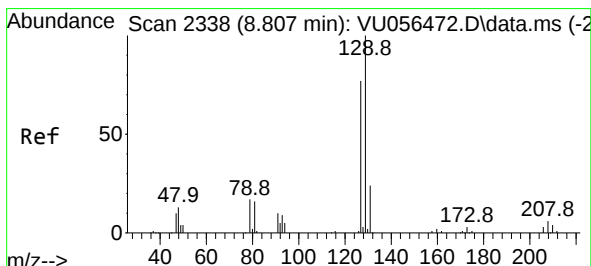
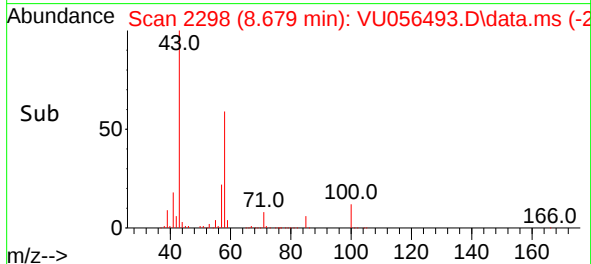
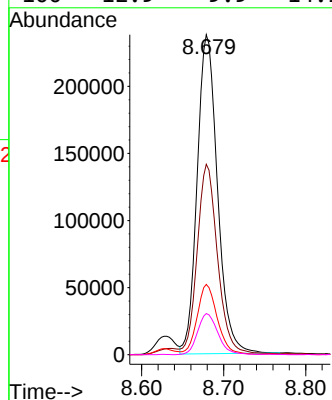
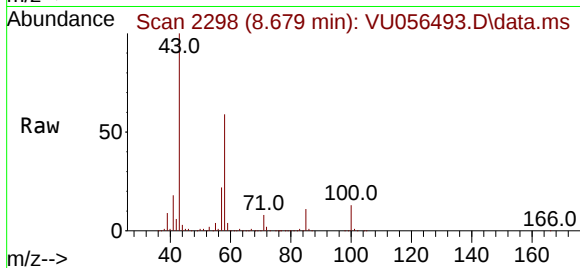


#48
2-Hexanone
Concen: 50.961 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

Instrument :
MSVOA_U
ClientSampleId :
EY1D1MSD

Tgt Ion: 43 Resp: 409338

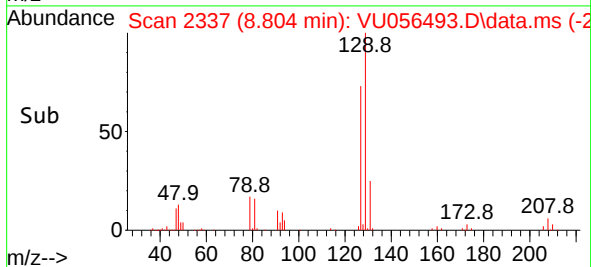
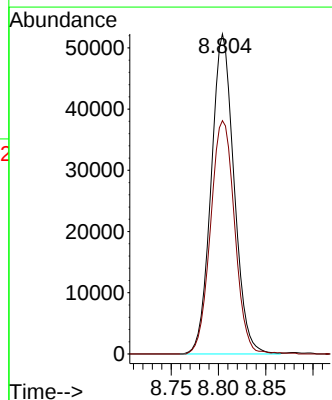
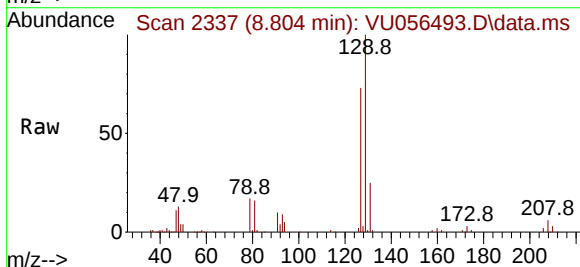
Ion	Ratio	Lower	Upper
43	100		
58	59.6	48.7	73.1
57	21.7	16.8	25.2
100	12.9	9.9	14.9

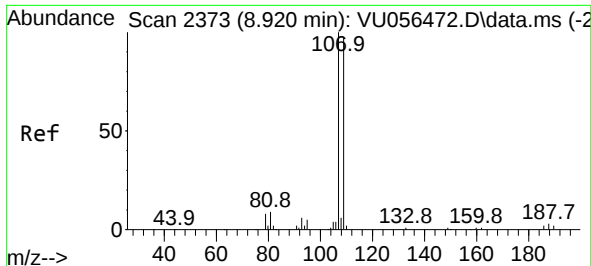


#49
Dibromochloromethane
Concen: 5.586 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

Tgt Ion: 129 Resp: 87999

Ion	Ratio	Lower	Upper
129	100		
127	72.9	52.9	98.3

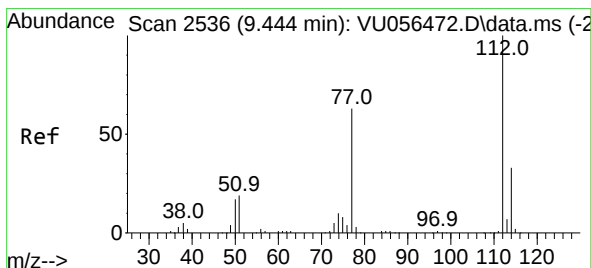
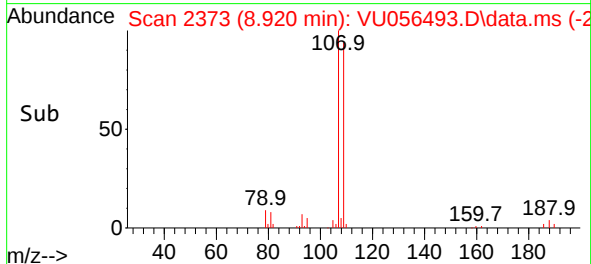
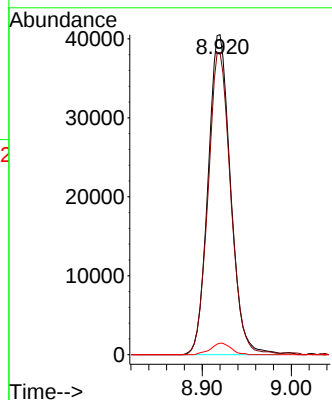
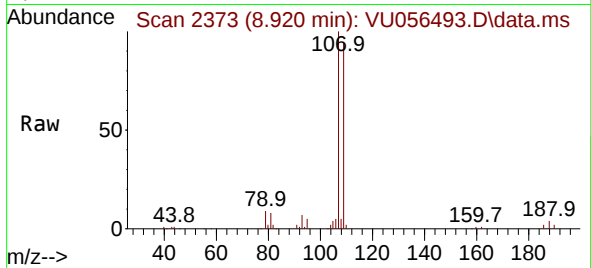




#50
1,2-Dibromoethane
Concen: 5.432 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

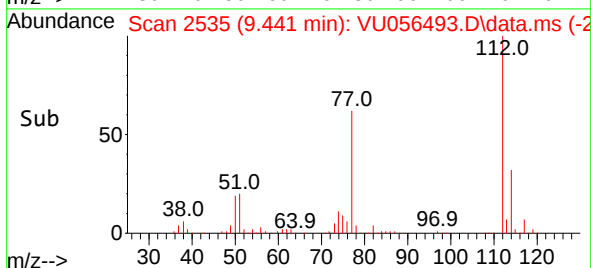
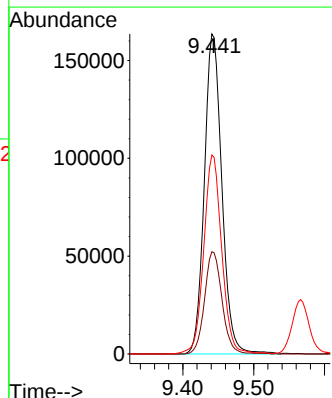
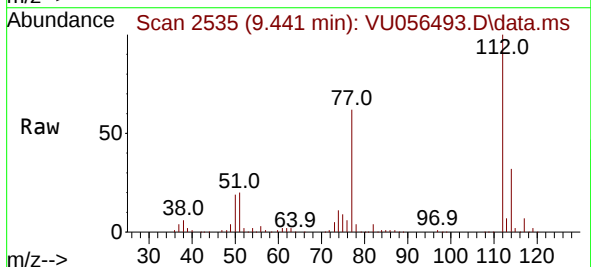
Instrument :
MSVOA_U
ClientSampleId :
EY1D1MSD

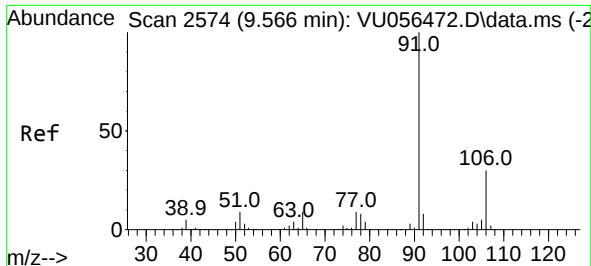
Tgt Ion:107 Resp: 71040
Ion Ratio Lower Upper
107 100
109 94.5 64.2 119.2
188 3.6 2.6 4.0



#51
Chlorobenzene
Concen: 5.304 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.003 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

Tgt Ion:112 Resp: 281411
Ion Ratio Lower Upper
112 100
114 31.9 22.5 41.7
77 62.2 51.7 77.5

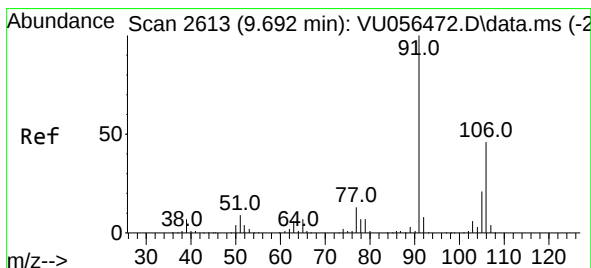
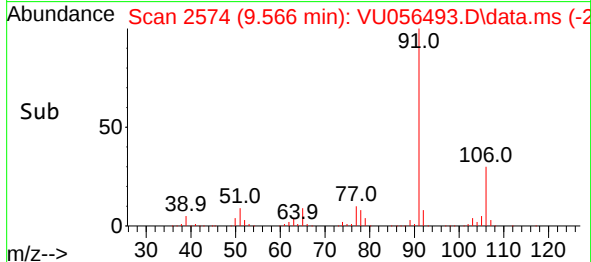
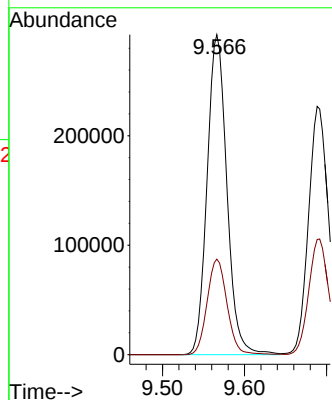
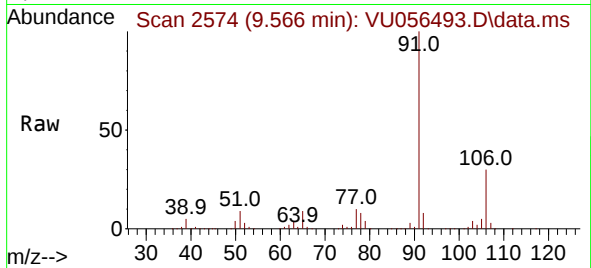




#52
Ethylbenzene
Concen: 5.337 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

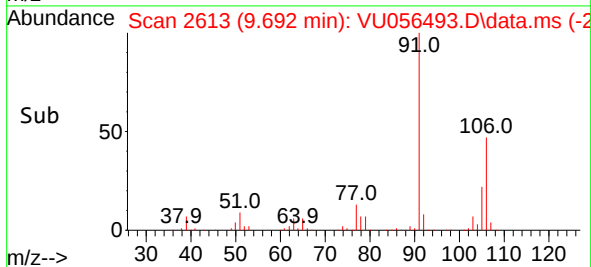
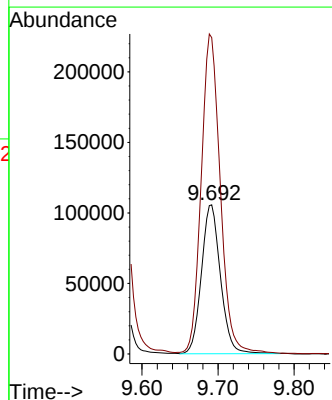
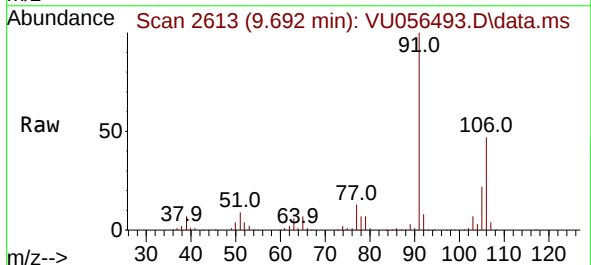
Instrument :
MSVOA_U
ClientSampleId :
EY1D1MSD

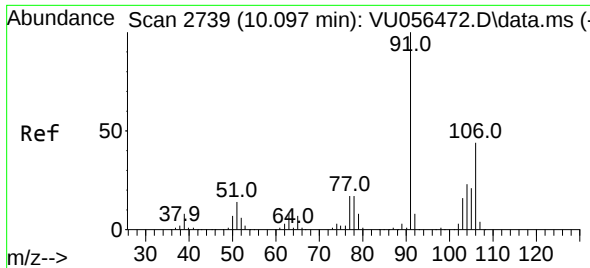
Tgt Ion: 91 Resp: 489407
Ion Ratio Lower Upper
91 100
106 29.8 21.1 39.1



#53
m,p-Xylene
Concen: 5.431 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

Tgt Ion: 106 Resp: 183059
Ion Ratio Lower Upper
106 100
91 212.1 149.6 277.8

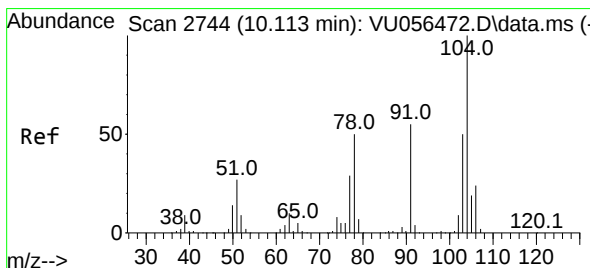
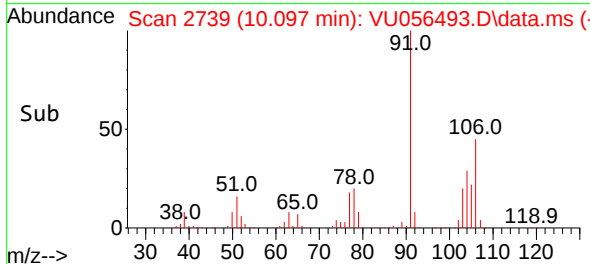
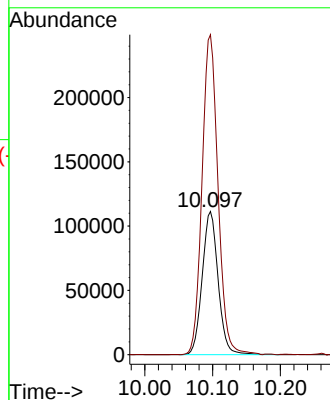
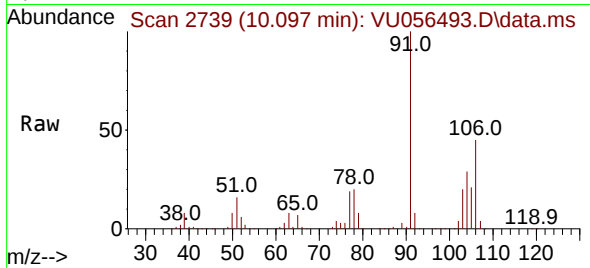




#54
o-Xylene
Concen: 5.542 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

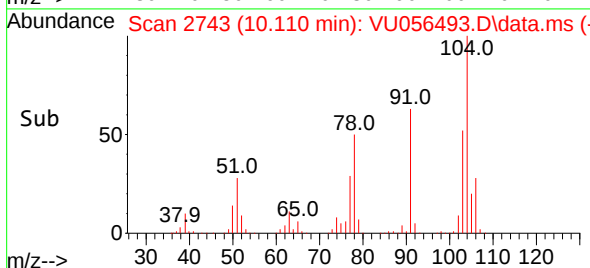
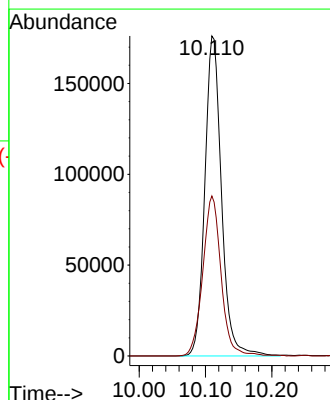
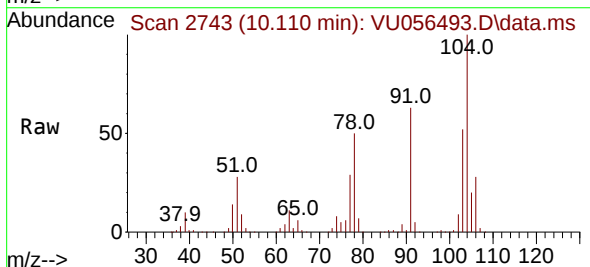
Instrument :
MSVOA_U
ClientSampleId :
EY1D1MSD

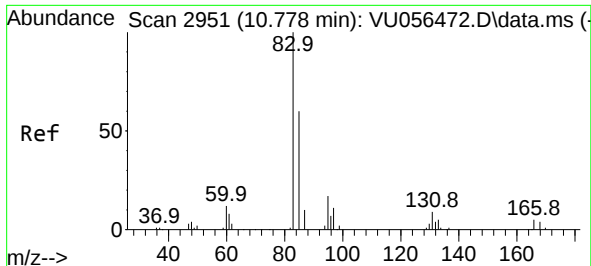
Tgt Ion:106 Resp: 181474
Ion Ratio Lower Upper
106 100
91 223.3 159.3 295.9



#55
Styrene
Concen: 5.646 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

Tgt Ion:104 Resp: 307517
Ion Ratio Lower Upper
104 100
78 50.0 34.2 63.6

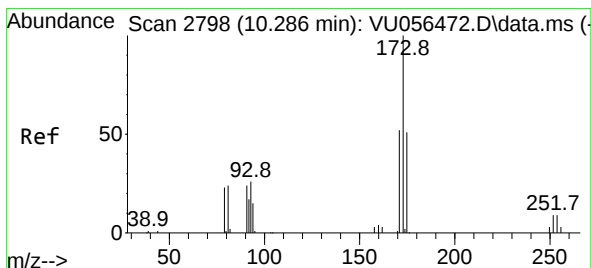
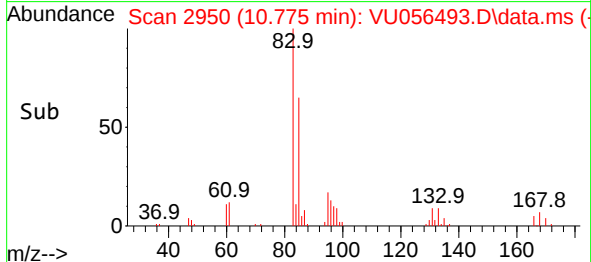
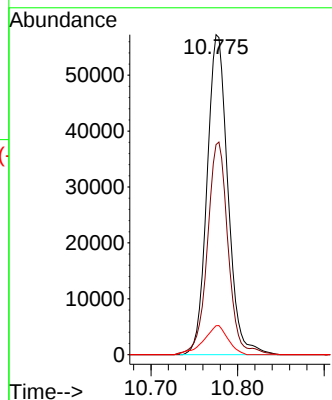
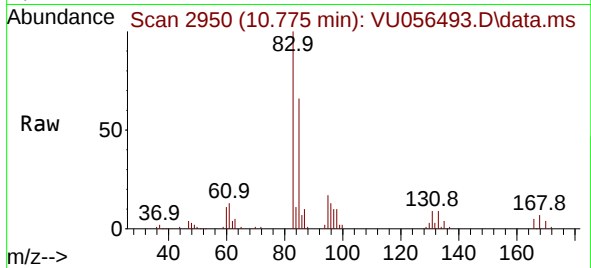




#57
1,1,2,2-Tetrachloroethane
Concen: 5.648 ug/L
RT: 10.775 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

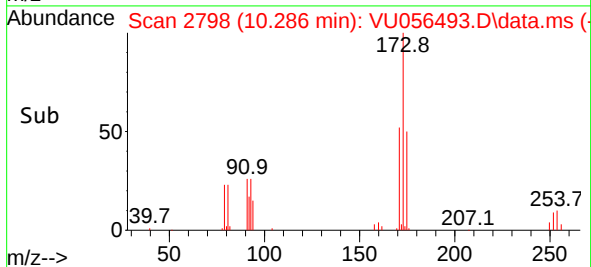
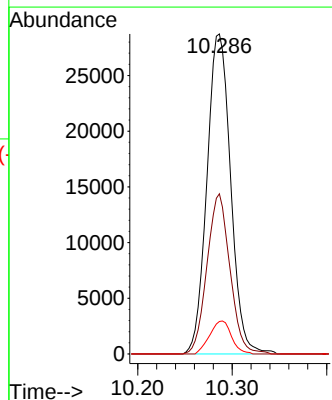
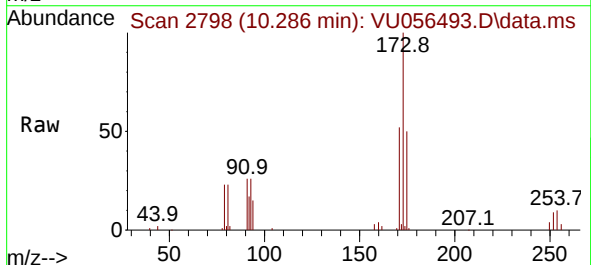
Instrument :
MSVOA_U
ClientSampleId :
EY1D1MSD

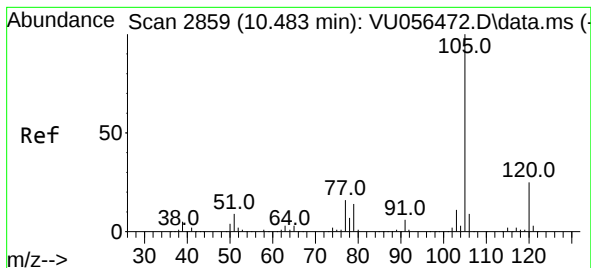
Tgt Ion: 83 Resp: 95536
Ion Ratio Lower Upper
83 100
85 65.6 46.3 86.1
131 9.0 6.7 10.1



#59
Bromoform
Concen: 5.705 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

Tgt Ion: 173 Resp: 50067
Ion Ratio Lower Upper
173 100
175 48.4 38.9 58.3
254 9.5 6.7 10.1





#60

Isopropylbenzene

Concen: 5.432 ug/L

RT: 10.479 min Scan# 2859

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

Instrument :

MSVOA_U

ClientSampleId :

EY1D1MSD

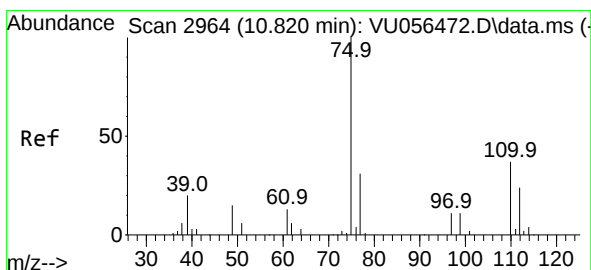
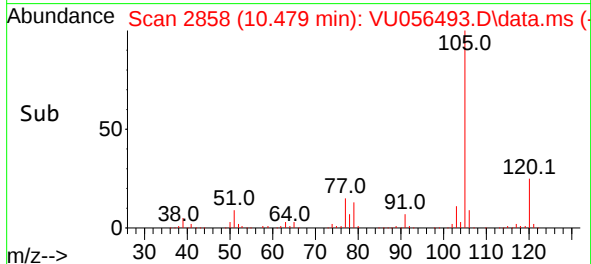
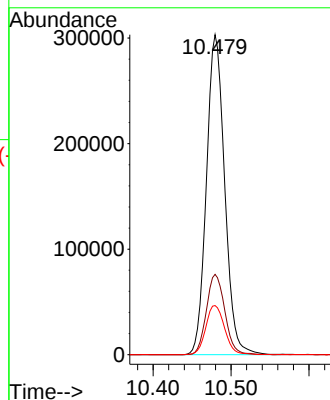
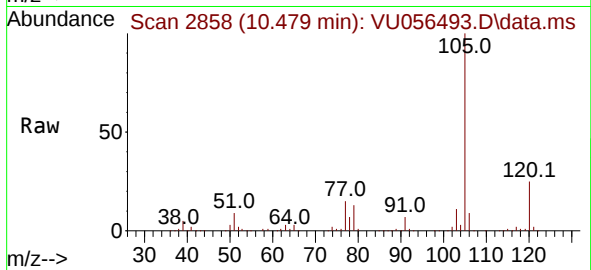
Tgt Ion:105 Resp: 493538

Ion Ratio Lower Upper

105 100

120 25.4 20.4 30.6

77 15.9 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 5.568 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

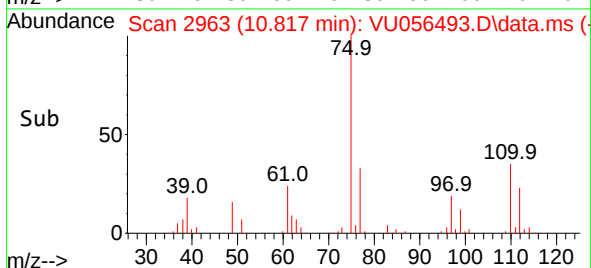
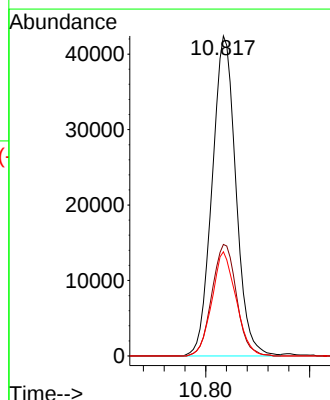
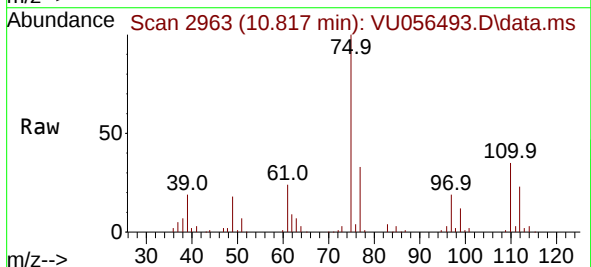
Tgt Ion: 75 Resp: 67310

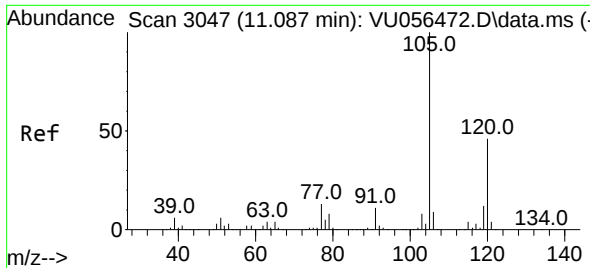
Ion Ratio Lower Upper

75 100

110 36.1 30.4 45.6

77 33.1 27.0 40.6

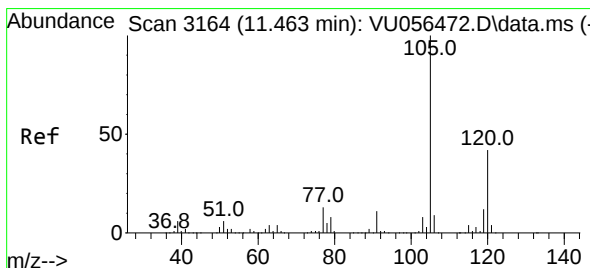
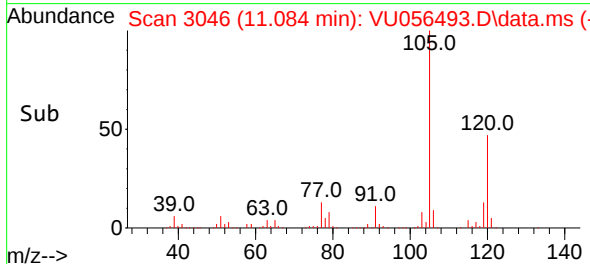
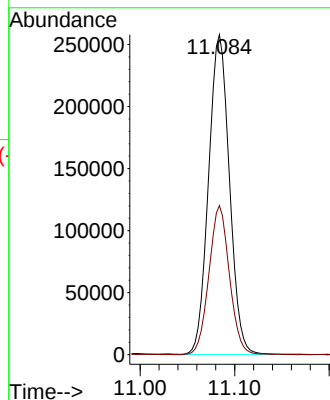
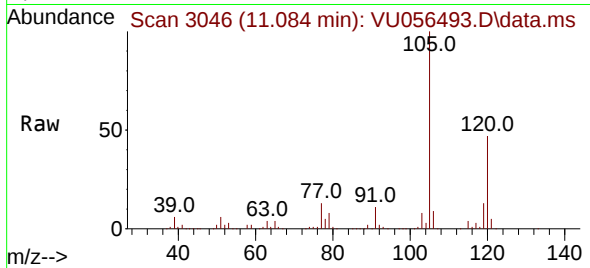




#62
 1,3,5-Trimethylbenzene
 Concen: 5.290 ug/L
 RT: 11.084 min Scan# 3047
 Delta R.T. -0.000 min
 Lab File: VU056493.D
 Acq: 18 Nov 2023 20:27

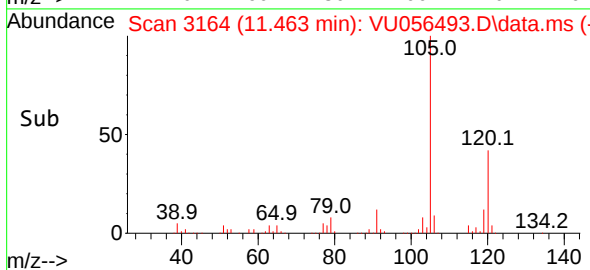
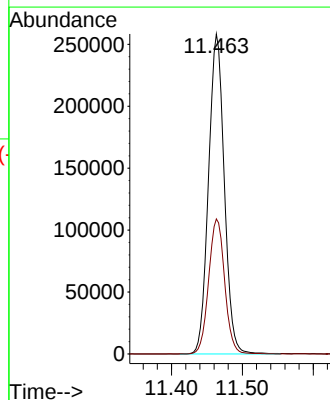
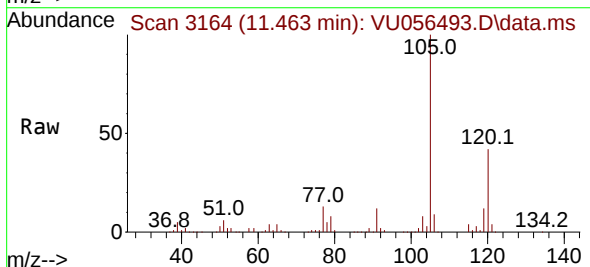
Instrument :
 MSVOA_U
 ClientSampleId :
 EY1D1MSD

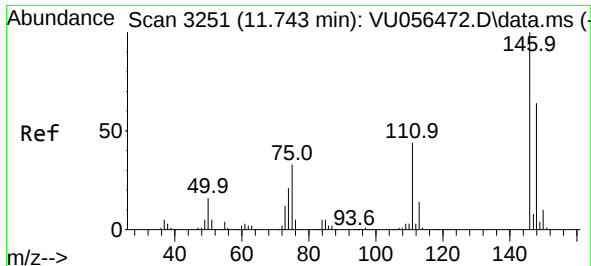
Tgt Ion:105 Resp: 394633
 Ion Ratio Lower Upper
 105 100
 120 45.9 37.2 55.8



#63
 1,2,4-Trimethylbenzene
 Concen: 5.418 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.000 min
 Lab File: VU056493.D
 Acq: 18 Nov 2023 20:27

Tgt Ion:105 Resp: 398951
 Ion Ratio Lower Upper
 105 100
 120 42.9 34.0 51.0





#64

1,3-Dichlorobenzene

Concen: 5.571 ug/L

RT: 11.740 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

Instrument :

MSVOA_U

ClientSampleId :

EY1D1MSD

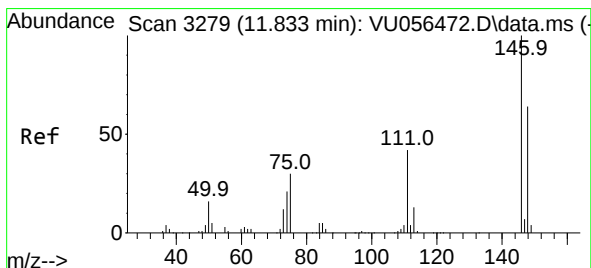
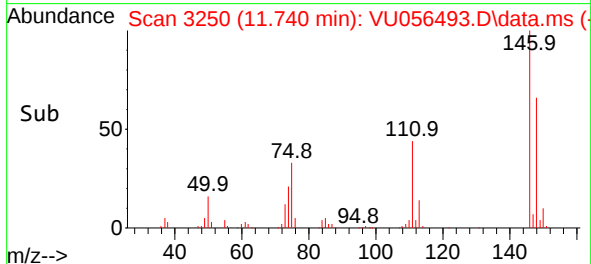
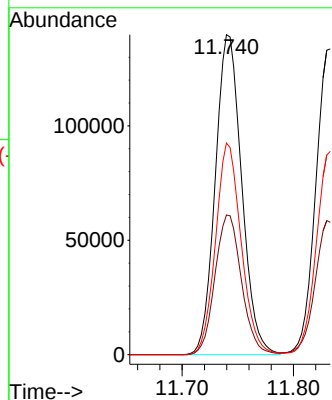
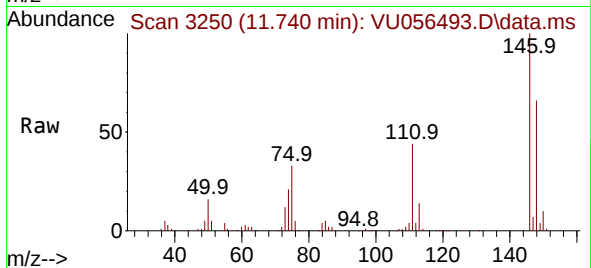
Tgt Ion:146 Resp: 230246

Ion Ratio Lower Upper

146 100

111 43.7 31.1 57.7

148 66.1 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 5.350 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

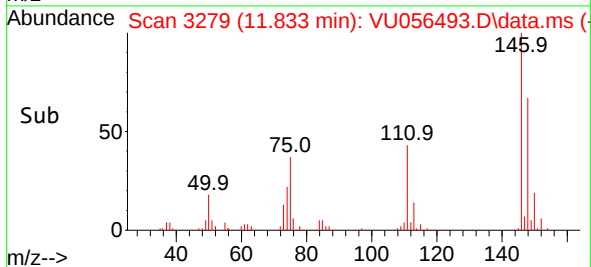
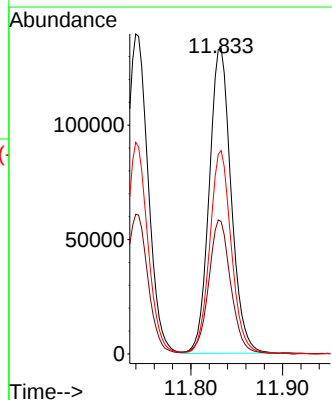
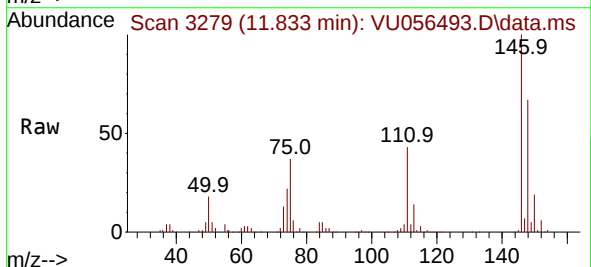
Tgt Ion:146 Resp: 221800

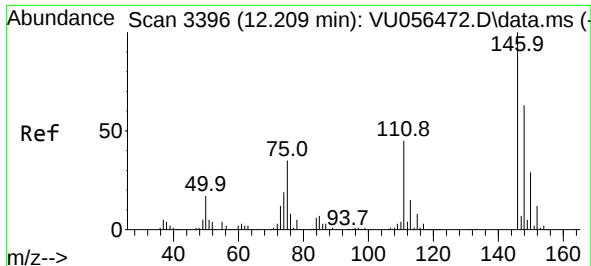
Ion Ratio Lower Upper

146 100

111 43.3 30.5 56.7

148 66.5 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.522 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

Instrument :

MSVOA_U

ClientSampleId :

EY1D1MSD

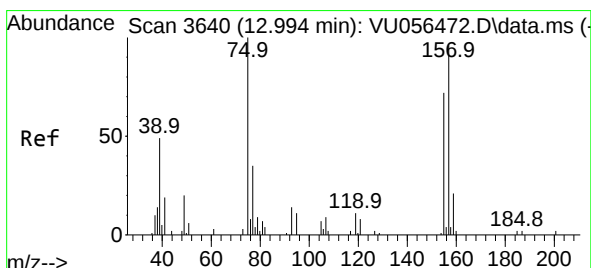
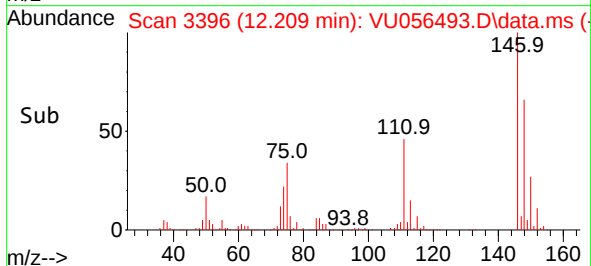
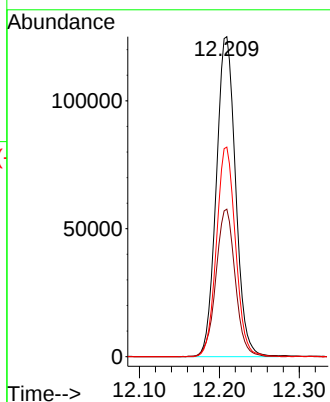
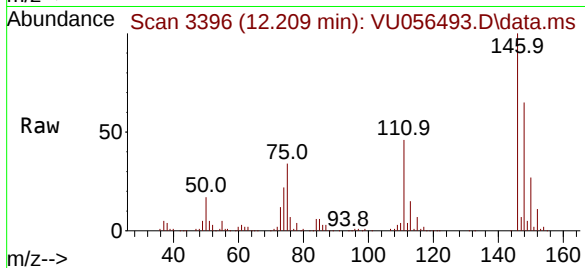
Tgt Ion:146 Resp: 209380

Ion Ratio Lower Upper

146 100

111 46.1 38.3 57.5

148 65.5 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.130 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU056493.D

Acq: 18 Nov 2023 20:27

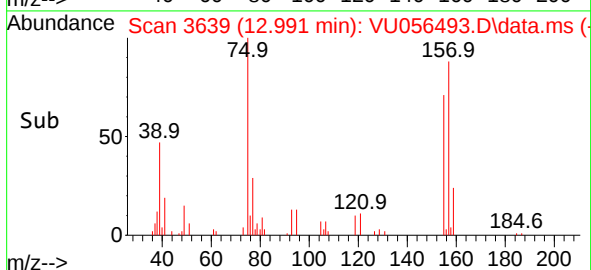
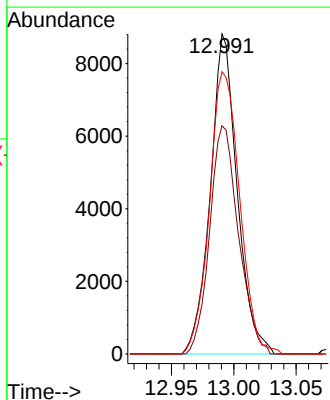
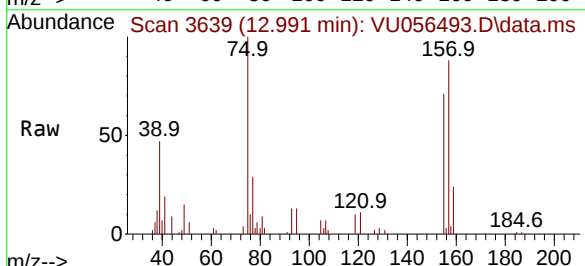
Tgt Ion: 75 Resp: 13246

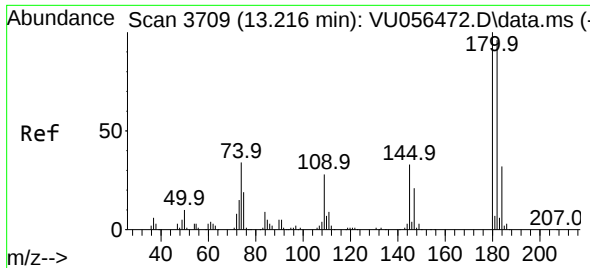
Ion Ratio Lower Upper

75 100

155 71.3 62.4 93.6

157 88.2 80.2 120.2

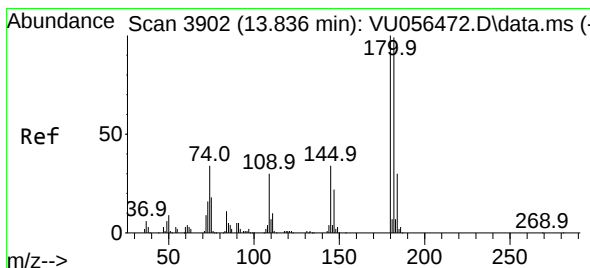
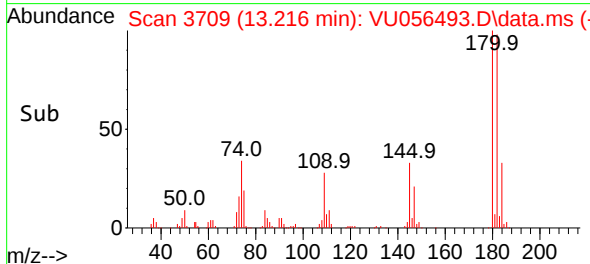
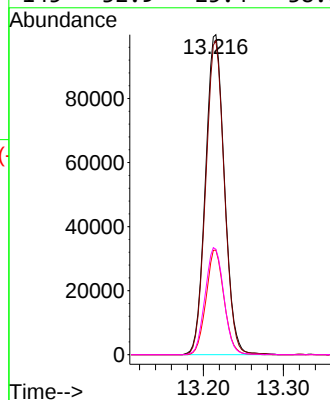
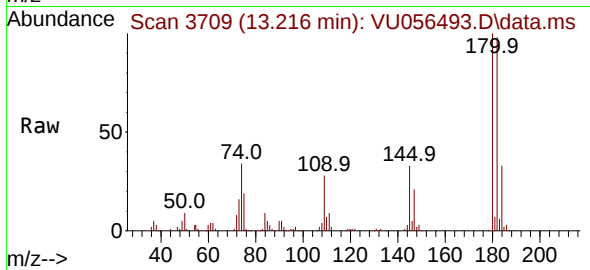




#69
 1,3,5-Trichlorobenzene
 Concen: 5.298 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU056493.D
 Acq: 18 Nov 2023 20:27

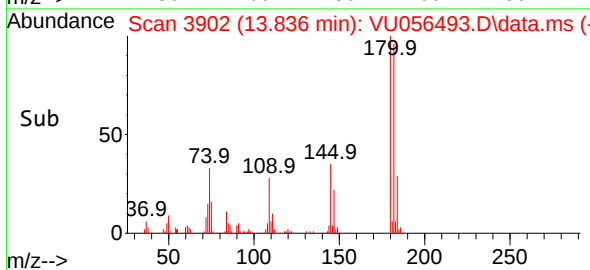
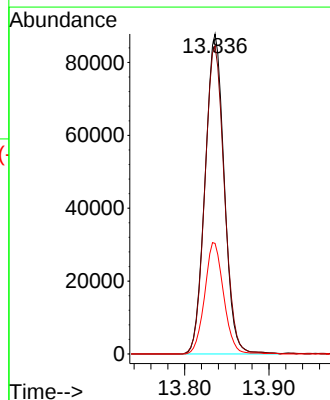
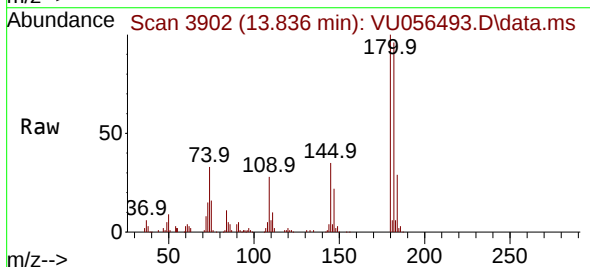
Instrument :
 MSVOA_U
 ClientSampleId :
 EY1D1MSD

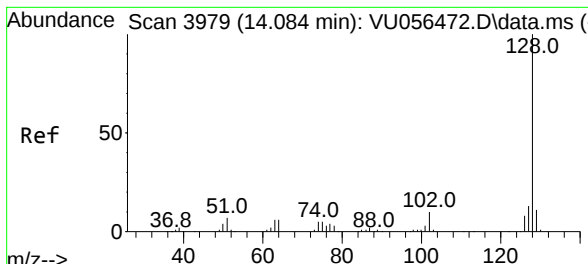
Tgt Ion:	180	Resp:	164864
Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.1	112.7
184	30.9	23.5	35.3
145	32.9	25.4	38.0



#70
 1,2,4-trichlorobenzene
 Concen: 5.481 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU056493.D
 Acq: 18 Nov 2023 20:27

Tgt Ion:	180	Resp:	138906
Ion	Ratio	Lower	Upper
180	100		
182	98.1	75.4	113.2
145	34.4	26.8	40.2

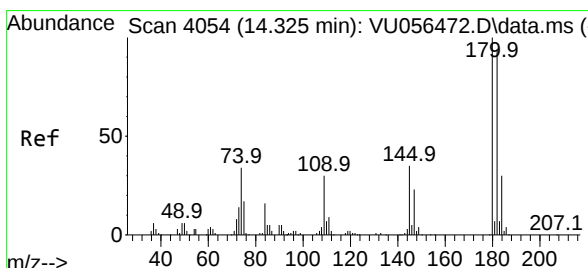
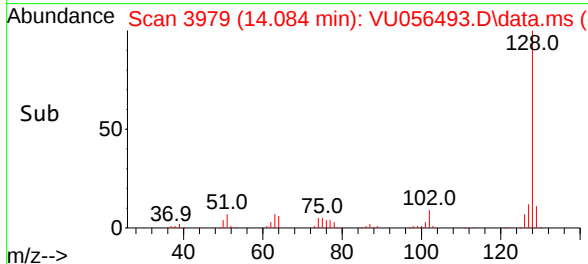
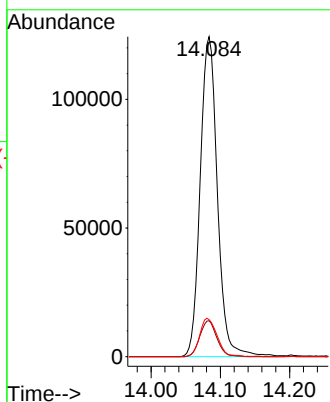
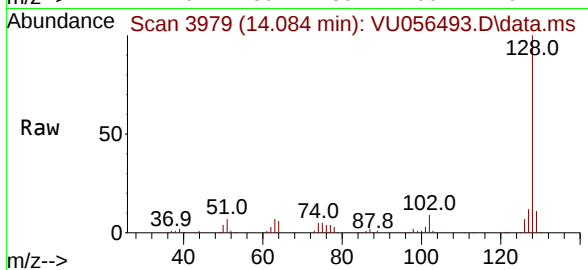




#71
Naphthalene
Concen: 5.595 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

Instrument :
MSVOA_U
ClientSampleId :
EY1D1MSD

Tgt Ion:	128	Resp:	214242
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	12.8
127	12.1	10.3	15.5



#72
1,2,3-Trichlorobenzene
Concen: 5.757 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU056493.D
Acq: 18 Nov 2023 20:27

Tgt Ion:	180	Resp:	120197
Ion	Ratio	Lower	Upper
180	100		
182	97.1	78.6	117.8
145	35.8	29.0	43.6

