

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100622\
 Data File : VU051209.D
 Acq On : 07 Oct 2022 06:22
 Operator : JC/MD
 Sample : N4890-03MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EY0E1MS

Quant Time: Oct 07 08:28:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 07 02:51:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	382064	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	393675	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	190274	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	302582	78.146	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	156.300%#
7) Chloroethane-d5	1.896	69	266438	74.076	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	148.160%#
11) 1,1-Dichloroethene-d2	2.562	63	428265	74.877	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	149.760%#
21) 2-Butanone-d5	4.620	46	412647	164.314	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	164.310%#
24) Chloroform-d	5.060	84	567269	90.933	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	181.860%#
26) 1,2-Dichloroethane-d4	5.700	65	356086	92.219	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	184.440%#
32) Benzene-d6	5.726	84	1143743	99.212	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	198.420%#
36) 1,2-Dichloropropane-d6	6.690	67	380445	101.701	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	203.400%#
41) Toluene-d8	7.896	98	1021321	95.888	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	191.780%#
43) trans-1,3-Dichloroprop...	8.176	79	148207	83.063	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	166.120%#
47) 2-Hexanone-d5	8.632	63	213099	141.080	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	141.080%#
56) 1,1,2,2-Tetrachloroeth...	10.754	84	595130	91.029	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	182.060%#
66) 1,2-Dichlorobenzene-d4	12.192	152	347831	85.572	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	171.140%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	138751	43.308	ug/L	99
3) Chloromethane	1.523	50	194487	51.380	ug/L	100
5) Vinyl chloride	1.600	62	196133	48.823	ug/L	97
6) Bromomethane	1.835	94	105164	31.603	ug/L	99
8) Chloroethane	1.919	64	124455	42.189	ug/L	99
9) Trichlorofluoromethane	2.131	101	219315	40.601	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	130821	44.852	ug/L	98
12) 1,1-Dichloroethene	2.575	96	129338	47.471	ug/L #	80
13) Acetone	2.623	43	166183	82.868	ug/L	99
14) Carbon disulfide	2.787	76	362774	45.044	ug/L	100
15) Methyl Acetate	2.948	43	135537	37.019	ug/L	96
16) Methylene chloride	3.041	84	179817	45.974	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	132683	45.775	ug/L	95
18) Methyl tert-butyl Ether	3.362	73	433707	49.237	ug/L	98
19) 1,1-Dichloroethane	3.864	63	293785	53.358	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	164552	50.844	ug/L	96
22) 2-Butanone	4.700	43	258942	93.456	ug/L	97
23) Bromochloromethane	4.973	128	89269	50.341	ug/L	96
25) Chloroform	5.086	83	305345	50.985	ug/L	99

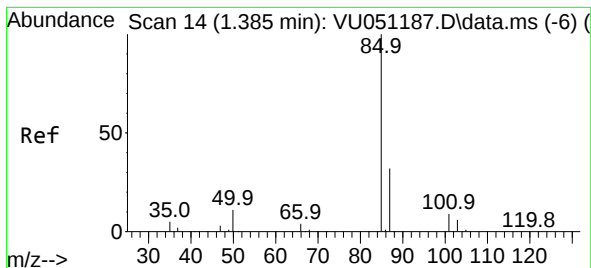
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100622\
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 Quant Title : VOC Analysis
 QLast Update : Fri Oct 07 02:51:40 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	235415	51.314	ug/L	99
29) Cyclohexane	5.385	56	183245	47.805	ug/L	96
30) 1,1,1-Trichloroethane	5.314	97	225317	48.802	ug/L	98
31) Carbon tetrachloride	5.520	117	180096	47.809	ug/L	98
33) Benzene	5.771	78	677561	56.454	ug/L	100
34) Trichloroethene	6.539	95	148637	47.815	ug/L	98
35) Methylcyclohexane	6.761	83	183953	43.478	ug/L	95
37) 1,2-Dichloropropane	6.790	63	185609	57.429	ug/L	99
38) Bromodichloromethane	7.105	83	226039	52.406	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	217245	47.462	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	489523	104.586	ug/L	97
42) Toluene	7.967	91	691615	54.176	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	220047	47.546	ug/L	97
45) 1,1,2-Trichloroethane	8.398	97	180933	51.683	ug/L	97
46) Tetrachloroethene	8.552	164	104569	44.388	ug/L	98
48) 2-Hexanone	8.684	43	457291	107.564	ug/L	96
49) Dibromochloromethane	8.809	129	173299	47.083	ug/L	96
50) 1,2-Dibromoethane	8.922	107	178590	47.051	ug/L	95
51) Chlorobenzene	9.446	112	404421	46.584	ug/L	100
52) Ethylbenzene	9.568	91	623373	45.779	ug/L	98
53) m,p-Xylene	9.693	106	241876	47.236	ug/L	96
54) o-Xylene	10.099	106	245569	47.980	ug/L	97
55) Styrene	10.111	104	433226	48.974	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.780	83	328539	53.026	ug/L	100
59) Bromoform	10.288	173	129188	46.145	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	247455	49.420	ug/L	98
61) Isopropylbenzene	10.481	105	582312	47.111	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	470215	46.523	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	473052	46.698	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	283258	44.453	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	281020	44.118	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	309057	47.207	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	58029	39.713	ug/L	100
69) 1,3,5-Trichlorobenzene	13.217	180	164676	38.110	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	120911	34.200	ug/L	98
71) Naphthalene	14.085	128	405774	32.067	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	144681	36.673	ug/L	98

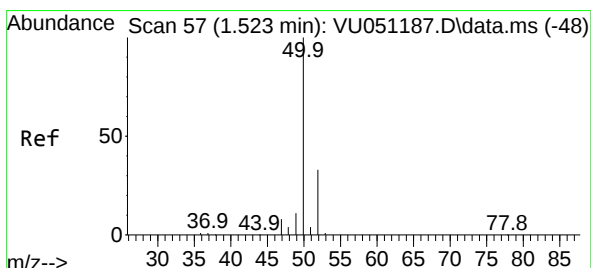
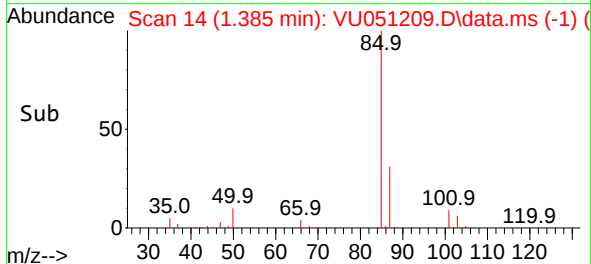
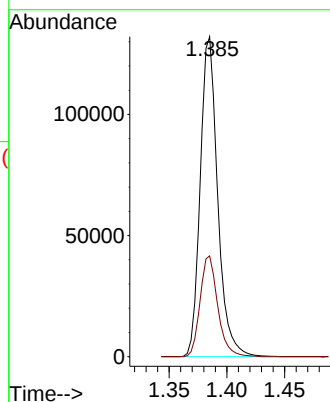
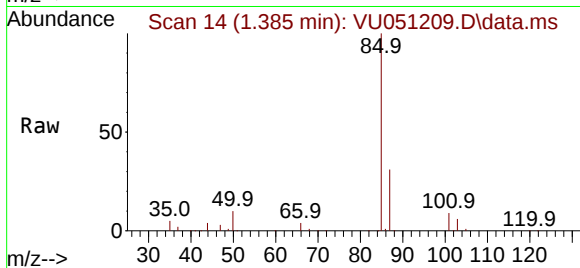
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 43.308 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

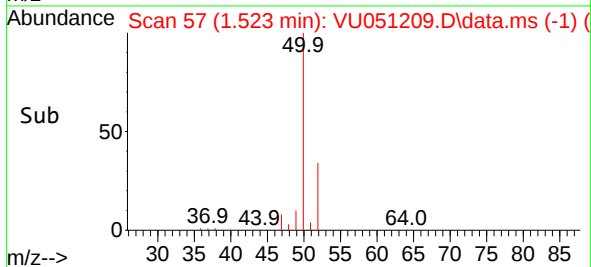
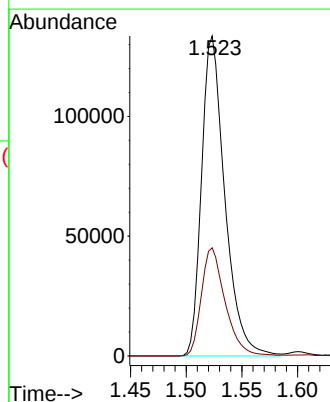
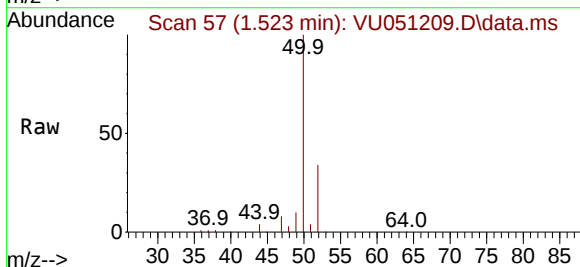
Instrument :
MSVOA_U
ClientSampleId :
EY0E1MS

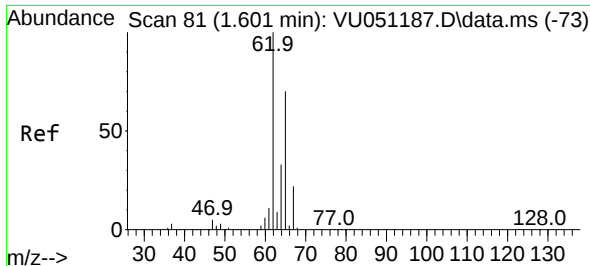
Tgt Ion: 85 Resp: 138751
Ion Ratio Lower Upper
85 100
87 31.8 25.9 38.9



#3
Chloromethane
Concen: 51.380 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

Tgt Ion: 50 Resp: 194487
Ion Ratio Lower Upper
50 100
52 33.8 23.7 44.1

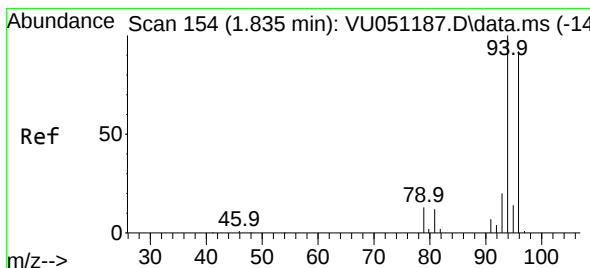
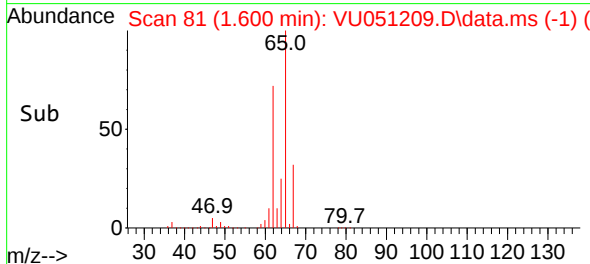
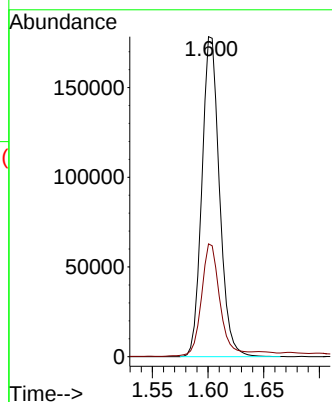
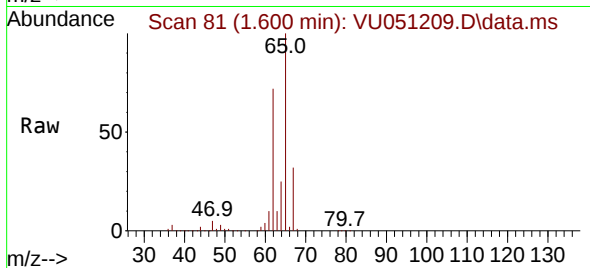




#5
 Vinyl chloride
 Concen: 48.823 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051209.D
 Acq: 07 Oct 2022 06:22

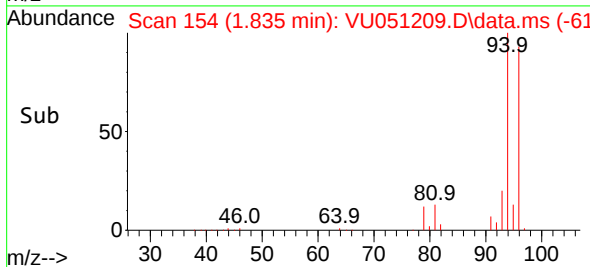
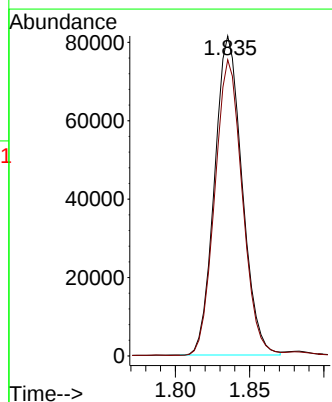
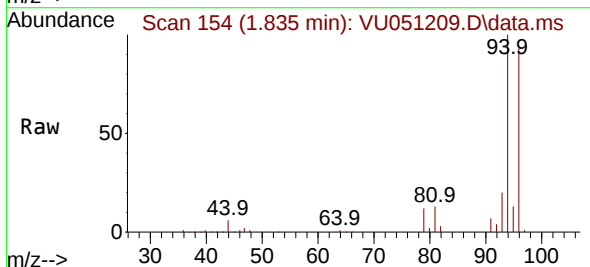
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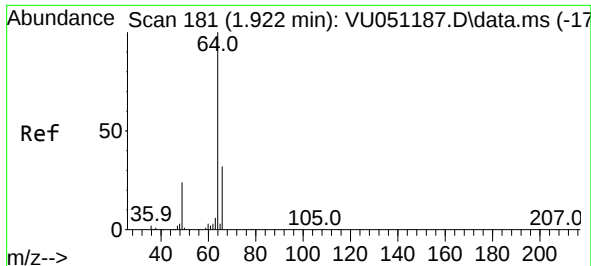
Tgt Ion: 62 Resp: 196133
 Ion Ratio Lower Upper
 62 100
 64 35.2 23.5 43.7



#6
 Bromomethane
 Concen: 31.603 ug/L
 RT: 1.835 min Scan# 154
 Delta R.T. -0.000 min
 Lab File: VU051209.D
 Acq: 07 Oct 2022 06:22

Tgt Ion: 94 Resp: 105164
 Ion Ratio Lower Upper
 94 100
 96 92.6 63.9 118.7

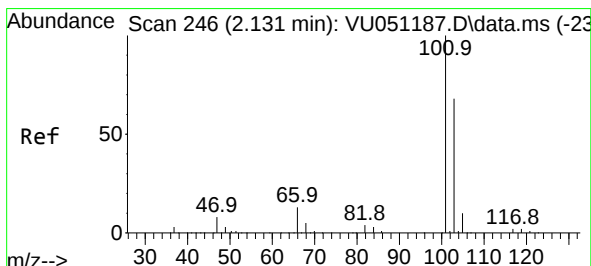
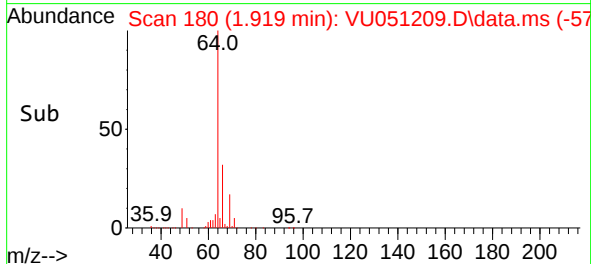
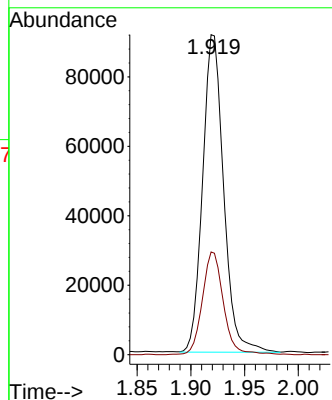
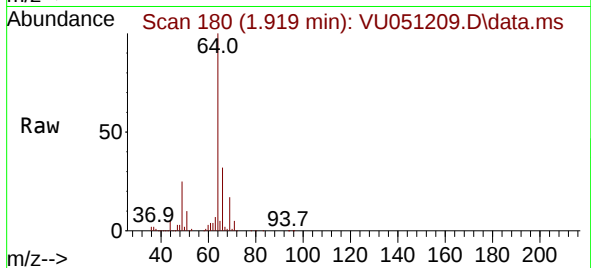




#8
Chloroethane
Concen: 42.189 ug/L
RT: 1.919 min Scan# 181
Delta R.T. -0.003 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

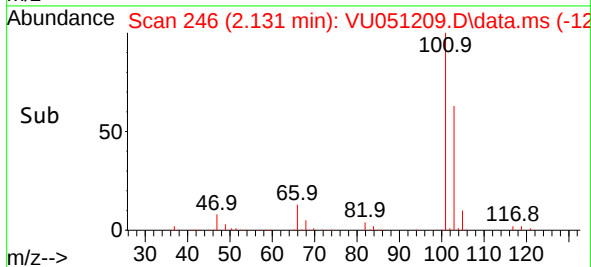
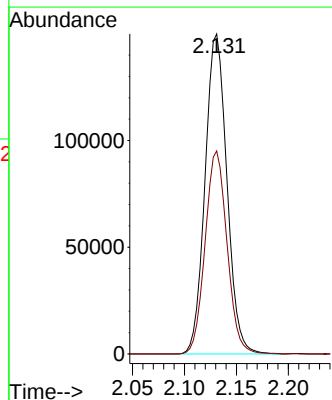
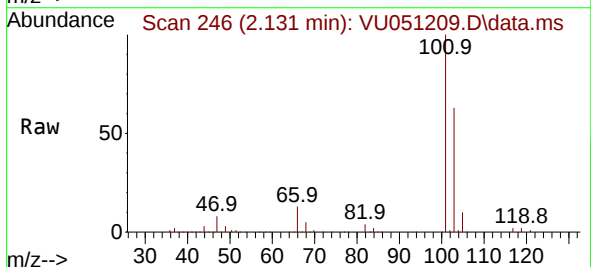
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ClientSampleId :
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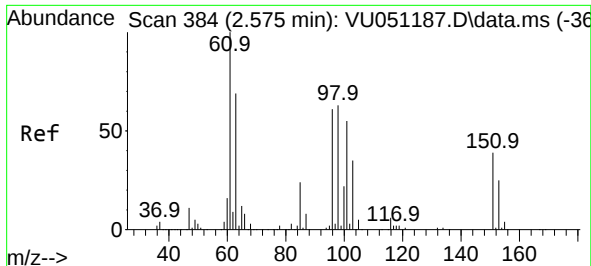
Tgt Ion: 64 Resp: 124455
Ion Ratio Lower Upper
64 100
66 32.1 22.3 41.3



#9
Trichlorofluoromethane
Concen: 40.601 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

Tgt Ion: 101 Resp: 219315
Ion Ratio Lower Upper
101 100
103 63.7 51.8 77.6

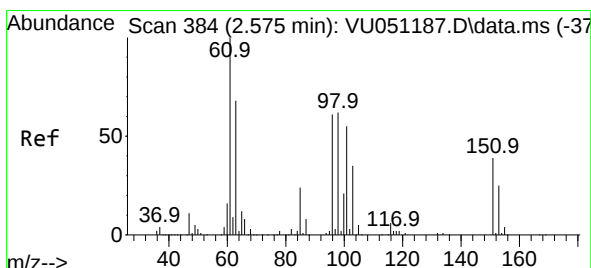
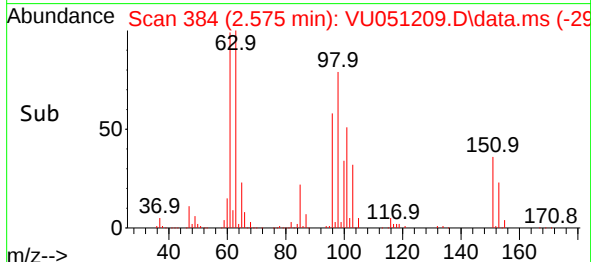
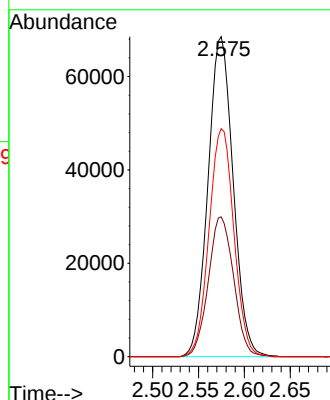
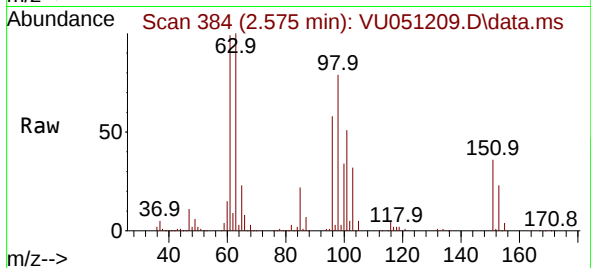




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.852 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU051209.D
 Acq: 07 Oct 2022 06:22

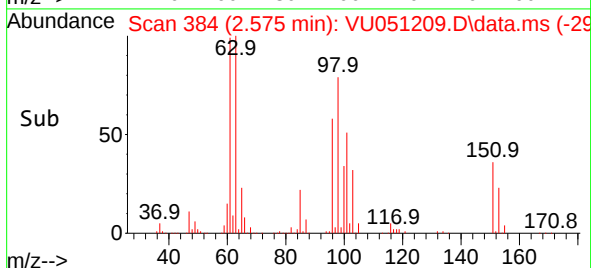
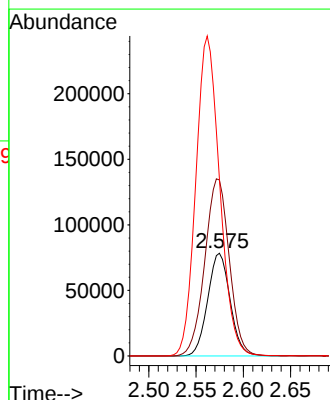
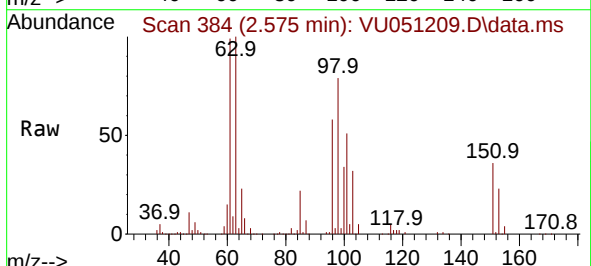
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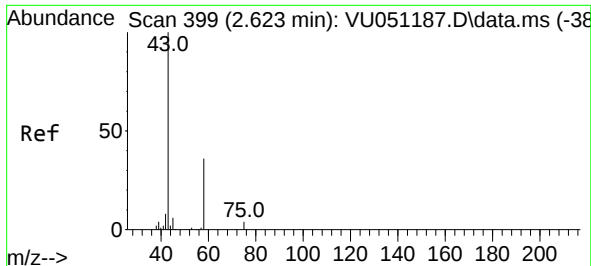
Tgt Ion:101 Resp: 130821
 Ion Ratio Lower Upper
 101 100
 85 43.9 34.6 52.0
 151 70.4 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 47.471 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU051209.D
 Acq: 07 Oct 2022 06:22

Tgt Ion: 96 Resp: 129338
 Ion Ratio Lower Upper
 96 100
 61 171.3 113.0 209.9
 63 172.7 91.7 170.3#





#13

Acetone

Concen: 82.868 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU051209.D

Acq: 07 Oct 2022 06:22

Instrument :

MSVOA_U

ClientSampleId :

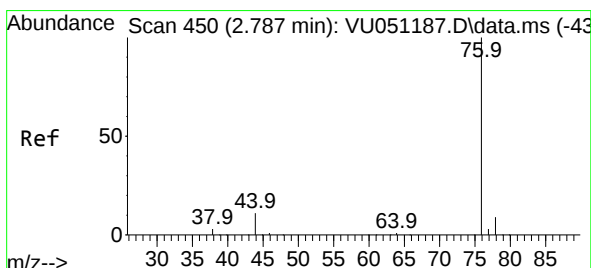
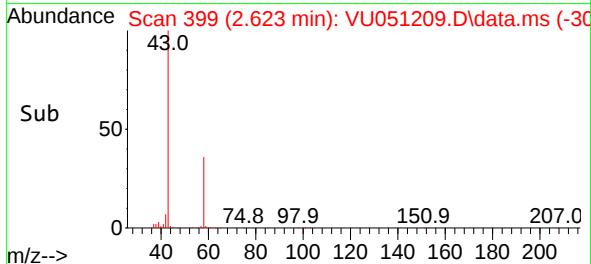
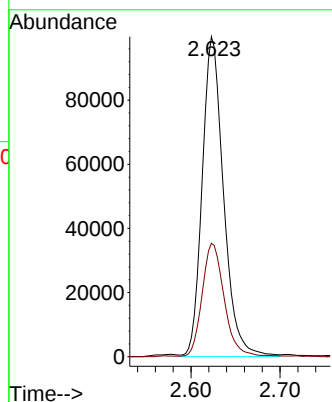
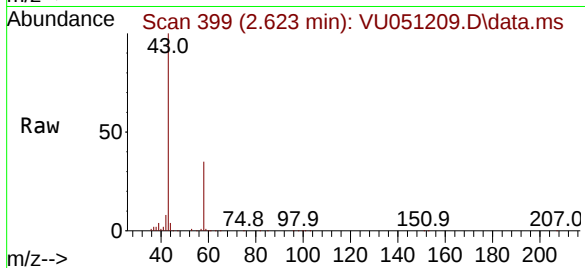
EY0E1MS

Tgt Ion: 43 Resp: 166183

Ion Ratio Lower Upper

43 100

58 36.0 0.0 73.6



#14

Carbon disulfide

Concen: 45.044 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.000 min

Lab File: VU051209.D

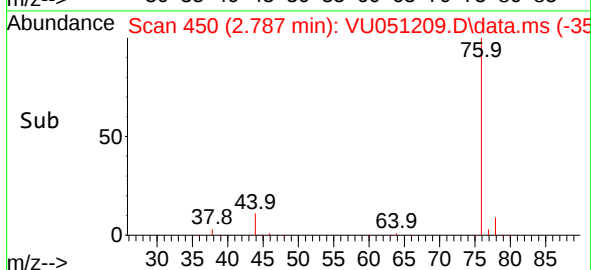
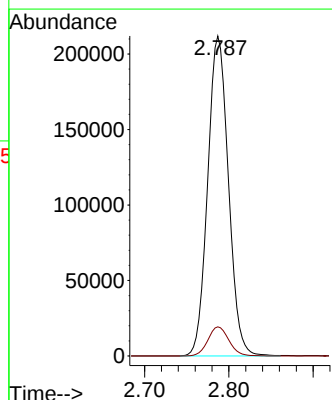
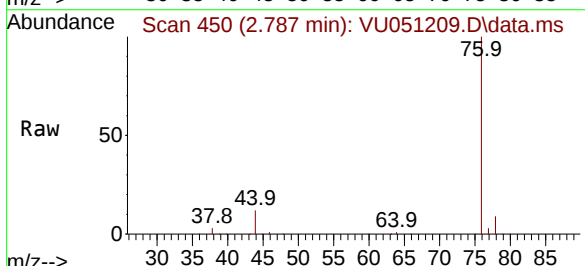
Acq: 07 Oct 2022 06:22

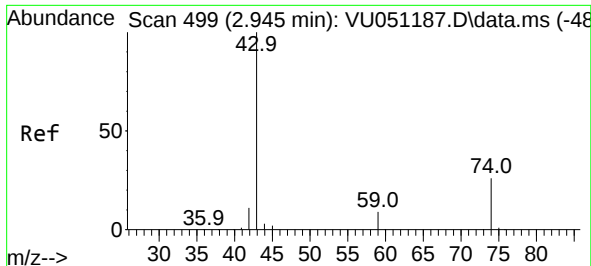
Tgt Ion: 76 Resp: 362774

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

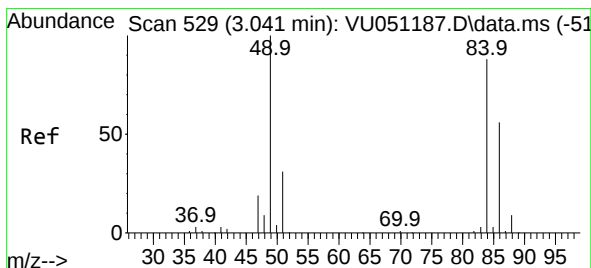
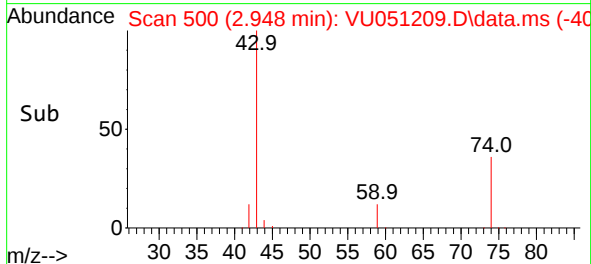
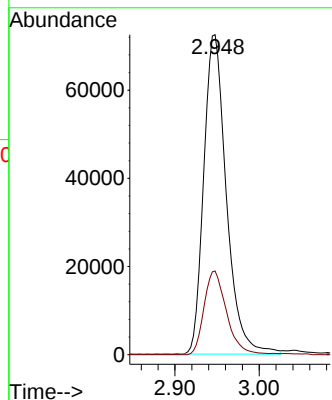
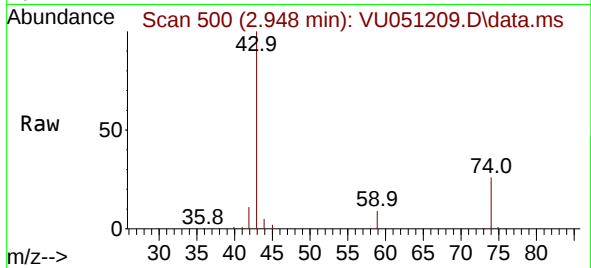




#15
Methyl Acetate
Concen: 37.019 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

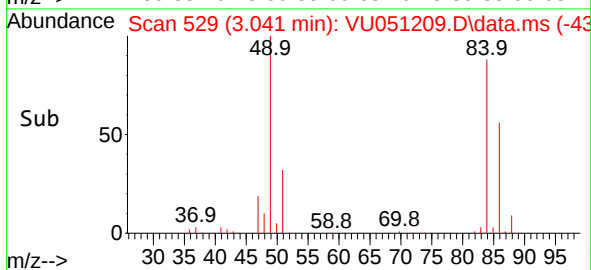
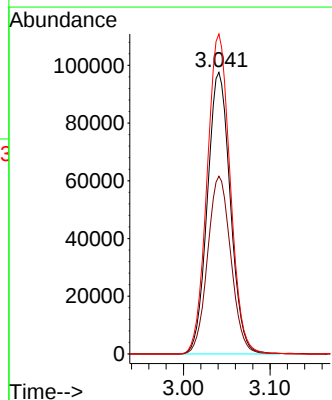
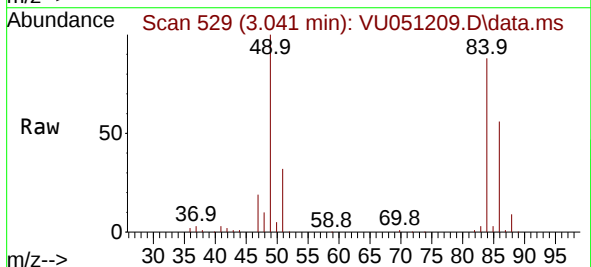
Instrument :
MSVOA_U
ClientSampleId :
EY0E1MS

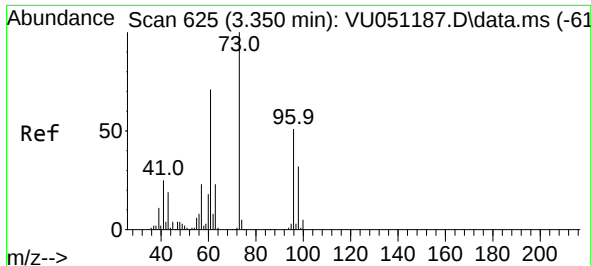
Tgt Ion: 43 Resp: 135537
Ion Ratio Lower Upper
43 100
74 26.0 22.4 33.6



#16
Methylene chloride
Concen: 45.974 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

Tgt Ion: 84 Resp: 179817
Ion Ratio Lower Upper
84 100
86 63.1 45.4 84.4
49 113.6 78.3 145.3

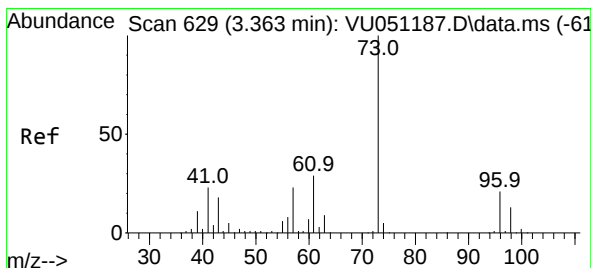
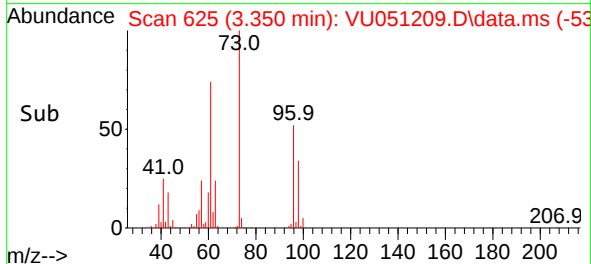
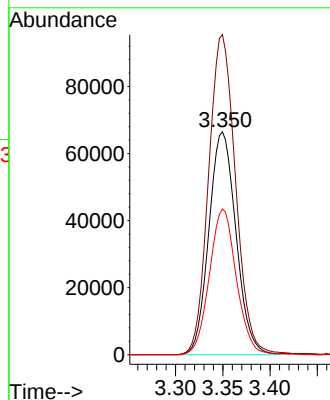
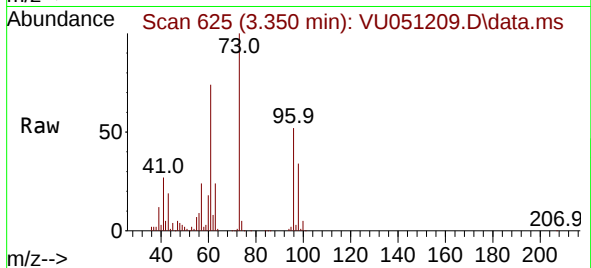




#17
trans-1,2-Dichloroethene
Concen: 45.775 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

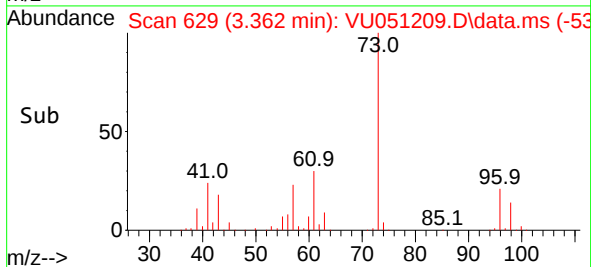
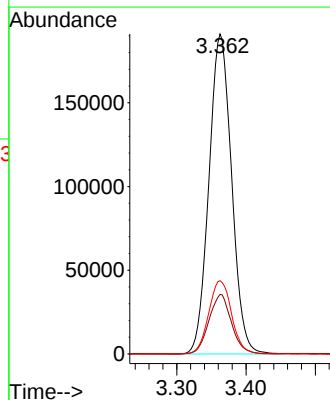
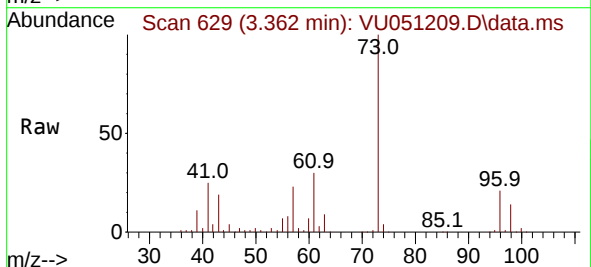
Instrument :
MSVOA_U
ClientSampleId :
EY0E1MS

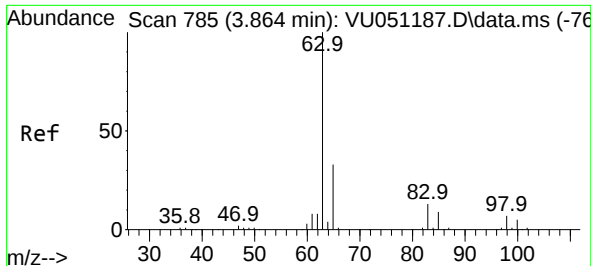
Tgt Ion: 96 Resp: 132683
Ion Ratio Lower Upper
96 100
61 143.6 95.1 176.5
98 65.4 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 49.237 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

Tgt Ion: 73 Resp: 433707
Ion Ratio Lower Upper
73 100
43 18.5 14.7 22.1
57 23.1 17.5 26.3





#19

1,1-Dichloroethane

Concen: 53.358 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU051209.D

Acq: 07 Oct 2022 06:22

Instrument :

MSVOA_U

ClientSampleId :

EY0E1MS

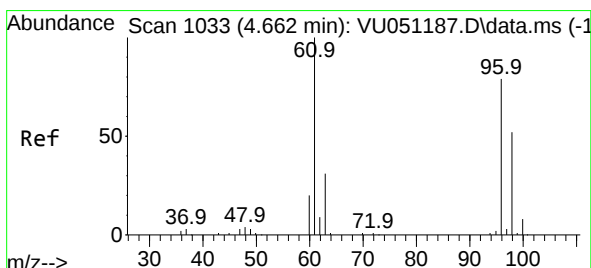
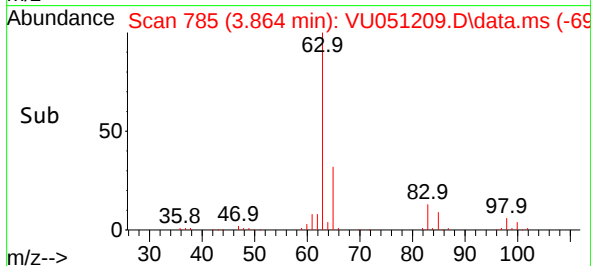
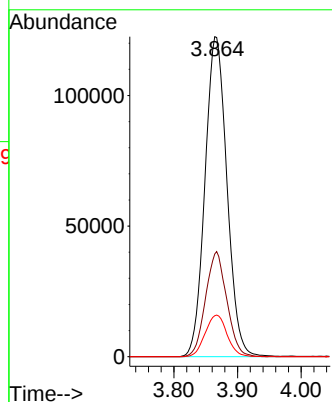
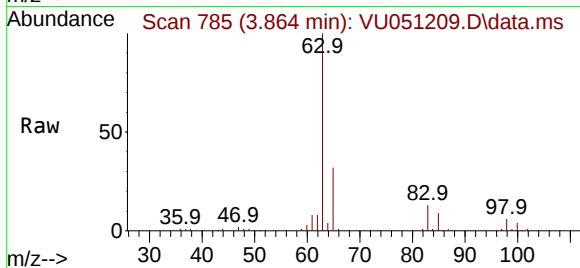
Tgt Ion: 63 Resp: 293785

Ion Ratio Lower Upper

63 100

65 32.1 22.6 42.0

83 12.8 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 50.844 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU051209.D

Acq: 07 Oct 2022 06:22

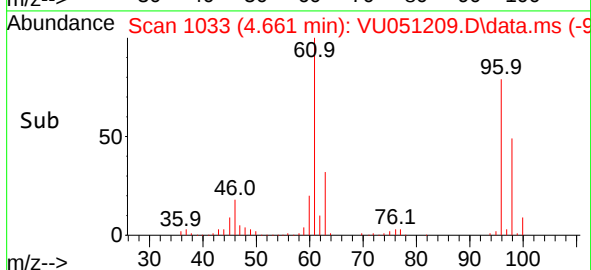
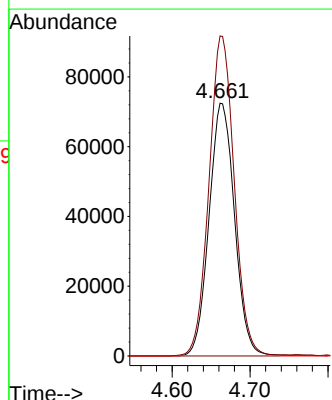
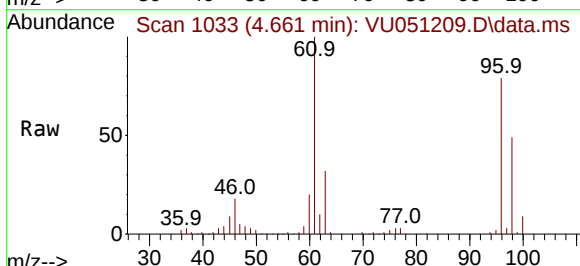
Tgt Ion: 96 Resp: 164552

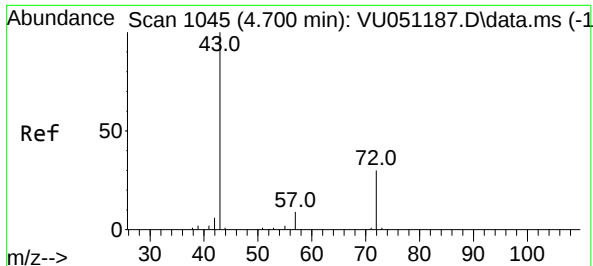
Ion Ratio Lower Upper

96 100

61 126.6 85.4 158.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 93.456 ug/L

RT: 4.700 min Scan# 110

Delta R.T. -0.000 min

Lab File: VU051209.D

Acq: 07 Oct 2022 06:22

Instrument :

MSVOA_U

ClientSampleId :

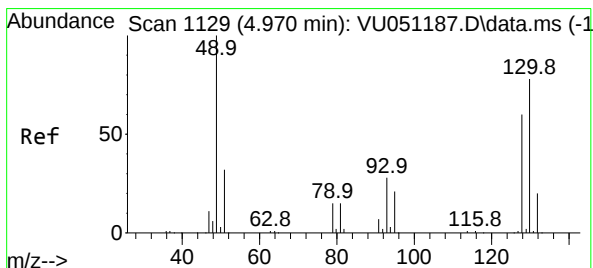
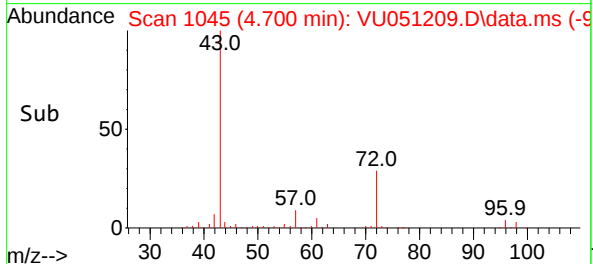
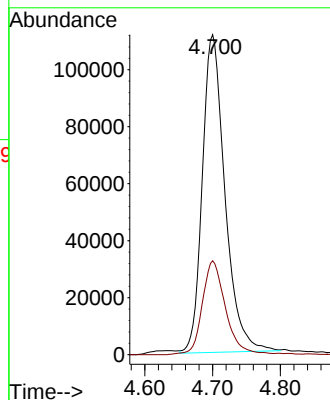
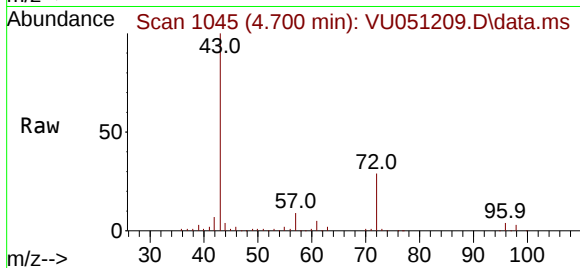
EY0E1MS

Tgt Ion: 43 Resp: 258942

Ion Ratio Lower Upper

43 100

72 30.0 15.8 47.4



#23

Bromochloromethane

Concen: 50.341 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU051209.D

Acq: 07 Oct 2022 06:22

Tgt Ion: 128 Resp: 89269

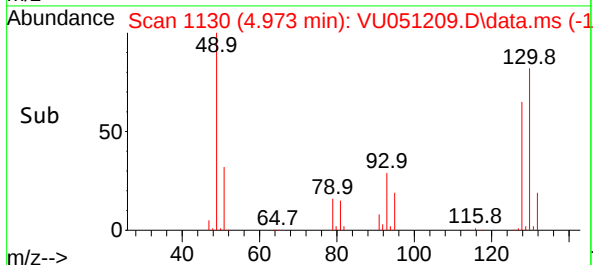
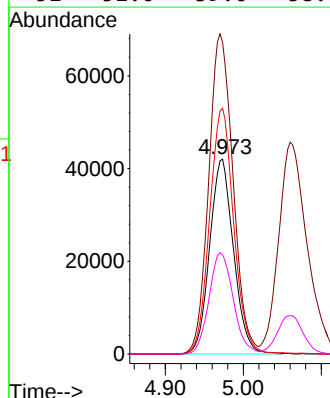
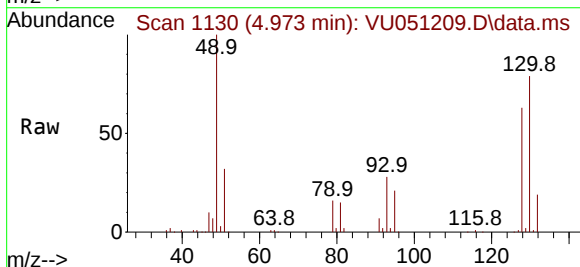
Ion Ratio Lower Upper

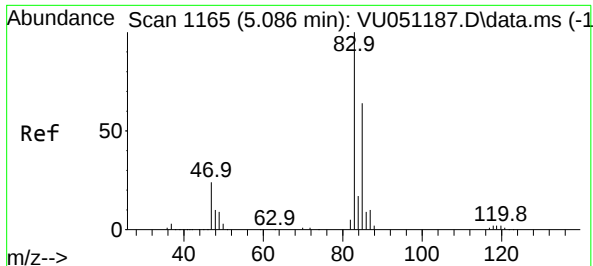
128 100

49 160.0 106.9 198.5

130 126.1 86.2 160.0

51 51.0 39.0 58.4





#25

Chloroform

Concen: 50.985 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051209.D

Acq: 07 Oct 2022 06:22

Instrument :

MSVOA_U

ClientSampleId :

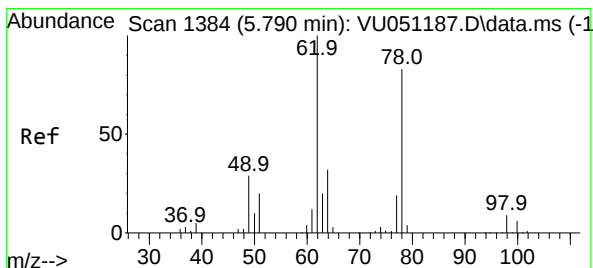
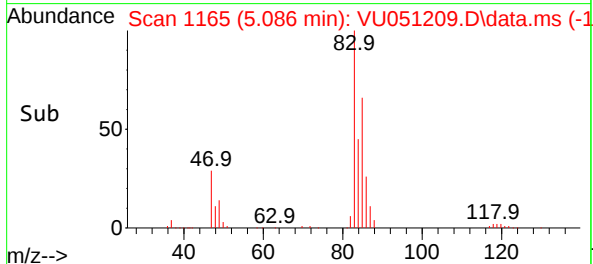
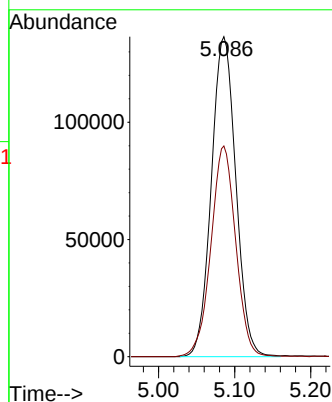
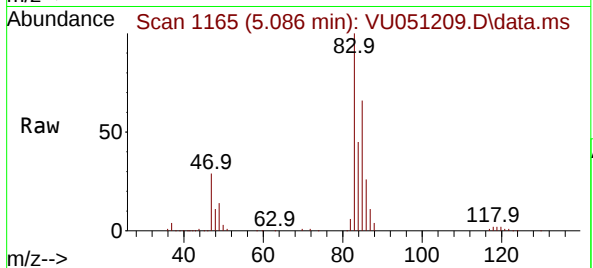
EY0E1MS

Tgt Ion: 83 Resp: 305345

Ion Ratio Lower Upper

83 100

85 65.8 45.7 84.9



#27

1,2-Dichloroethane

Concen: 51.314 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU051209.D

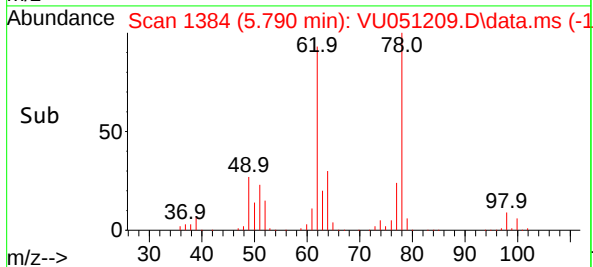
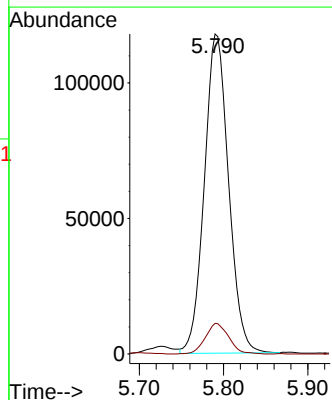
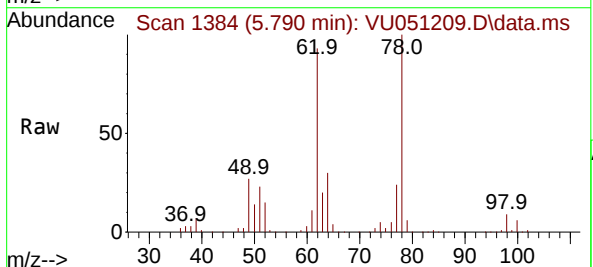
Acq: 07 Oct 2022 06:22

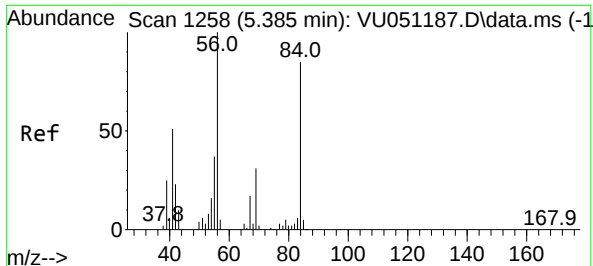
Tgt Ion: 62 Resp: 235415

Ion Ratio Lower Upper

62 100

98 9.5 7.3 10.9





#29

Cyclohexane

Concen: 47.805 ug/L

RT: 5.385 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU051209.D

Acq: 07 Oct 2022 06:22

Instrument :

MSVOA_U

ClientSampleId :

EY0E1MS

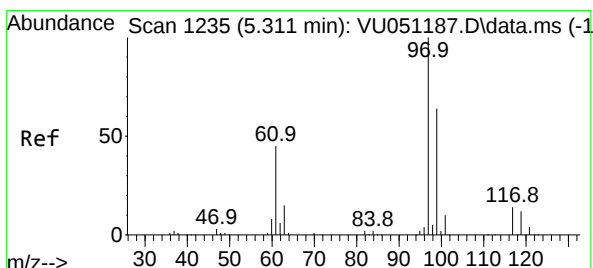
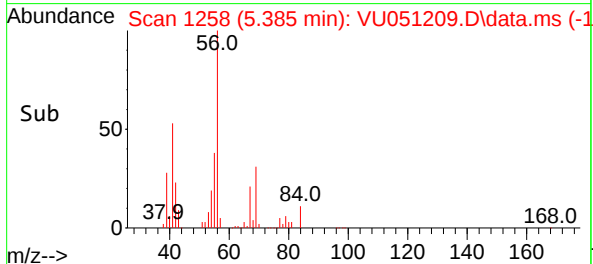
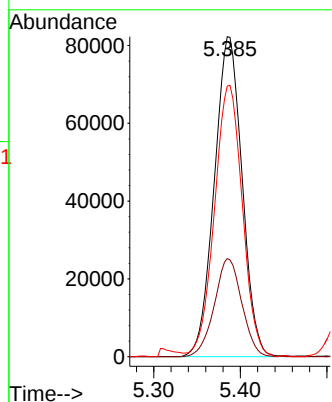
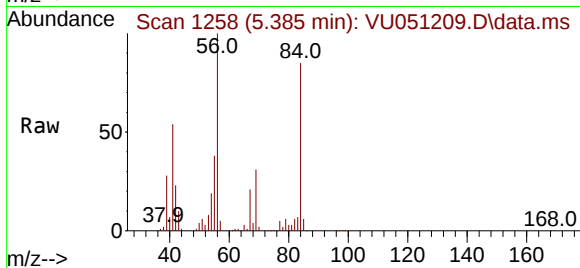
Tgt Ion: 56 Resp: 183245

Ion Ratio Lower Upper

56 100

69 30.3 24.8 37.2

84 85.3 71.8 107.6



#30

1,1,1-Trichloroethane

Concen: 48.802 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.003 min

Lab File: VU051209.D

Acq: 07 Oct 2022 06:22

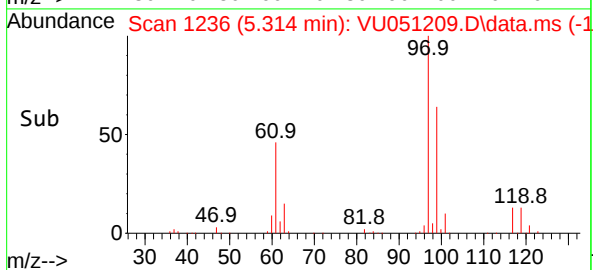
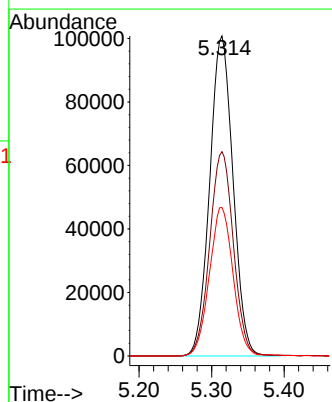
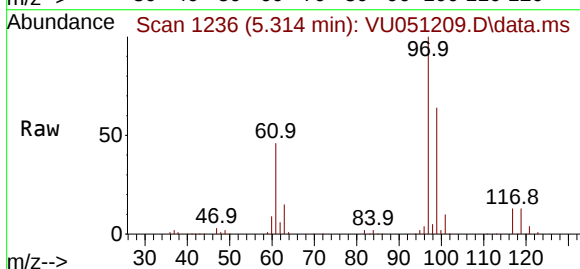
Tgt Ion: 97 Resp: 225317

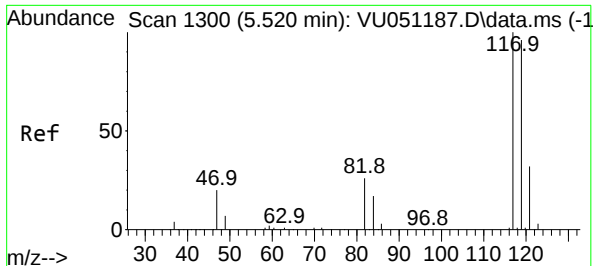
Ion Ratio Lower Upper

97 100

99 64.9 51.4 77.2

61 47.1 36.0 54.0

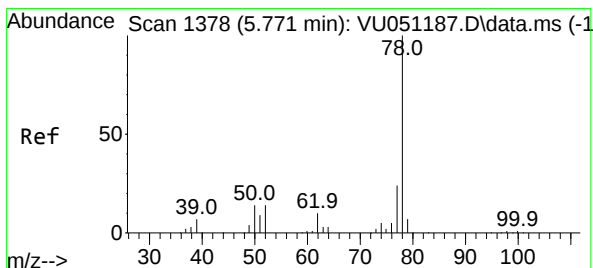
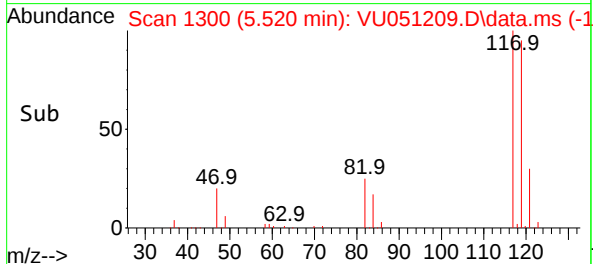
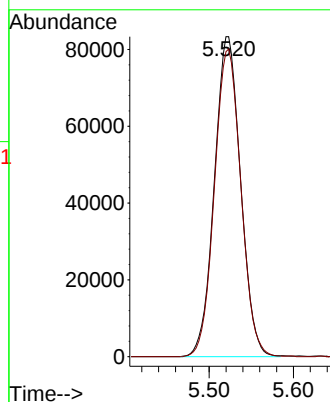
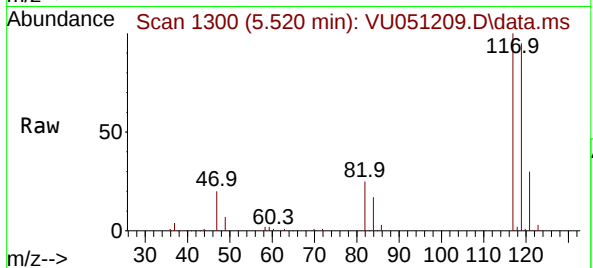




#31
Carbon tetrachloride
Concen: 47.809 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

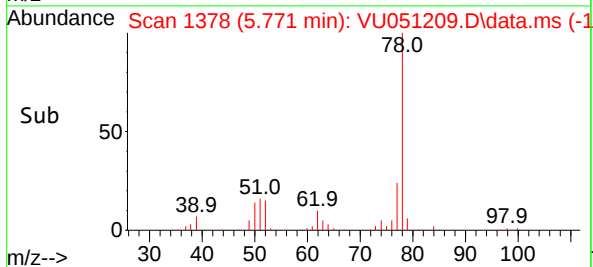
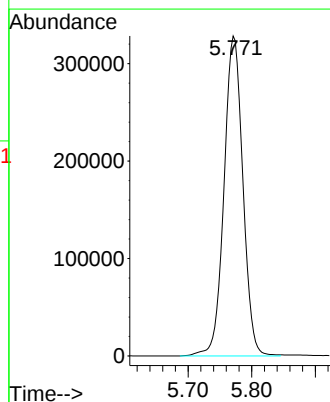
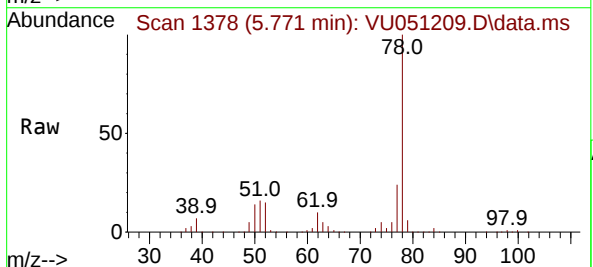
Instrument :
MSVOA_U
ClientSampleId :
EY0E1MS

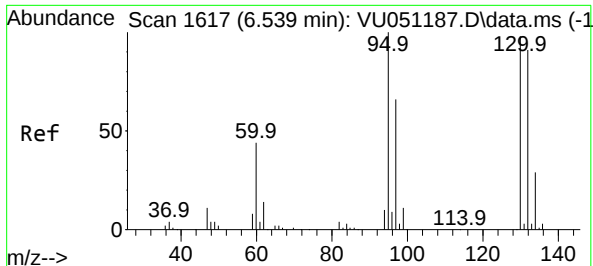
Tgt Ion:117 Resp: 180096
Ion Ratio Lower Upper
117 100
119 96.7 75.7 113.5



#33
Benzene
Concen: 56.454 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

Tgt Ion: 78 Resp: 677561





#34

Trichloroethene

Concen: 47.815 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051209.D

Acq: 07 Oct 2022 06:22

Instrument :

MSVOA_U

ClientSampleId :

EY0E1MS

Tgt Ion: 95 Resp: 148637

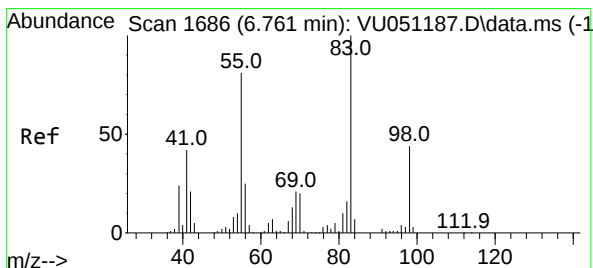
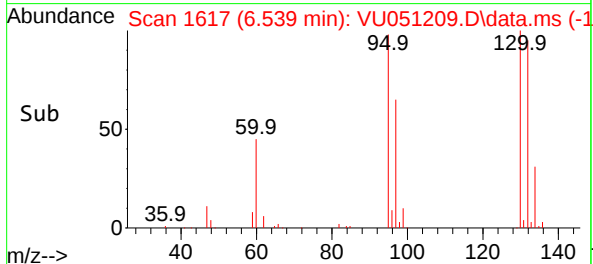
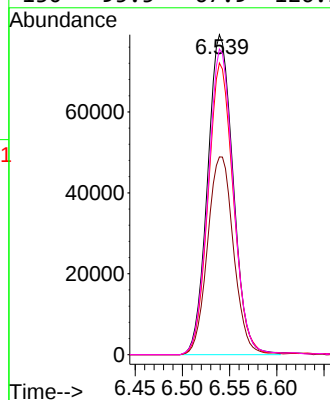
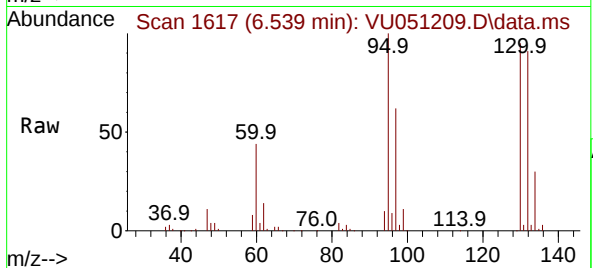
Ion Ratio Lower Upper

95 100

97 61.8 45.9 85.3

132 91.1 64.0 119.0

130 95.5 67.9 126.1



#35

Methylcyclohexane

Concen: 43.478 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VU051209.D

Acq: 07 Oct 2022 06:22

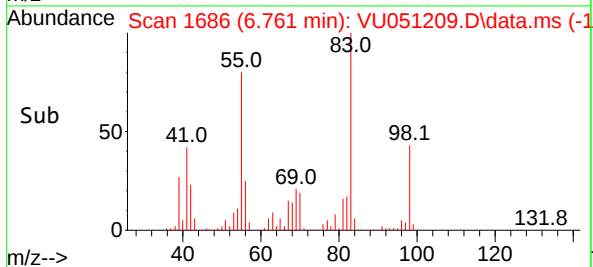
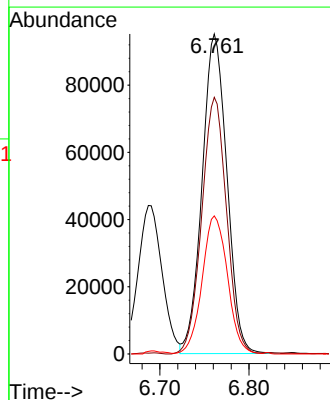
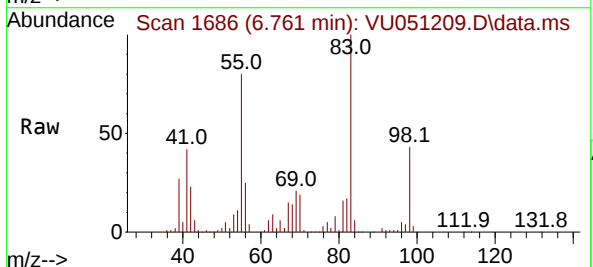
Tgt Ion: 83 Resp: 183953

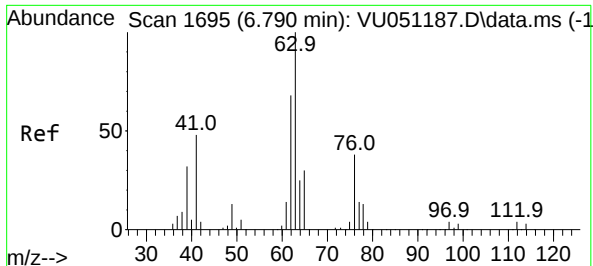
Ion Ratio Lower Upper

83 100

55 80.4 59.3 88.9

98 44.2 36.0 54.0





#37

1,2-Dichloropropane

Concen: 57.429 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051209.D

Acq: 07 Oct 2022 06:22

Instrument :

MSVOA_U

ClientSampleId :

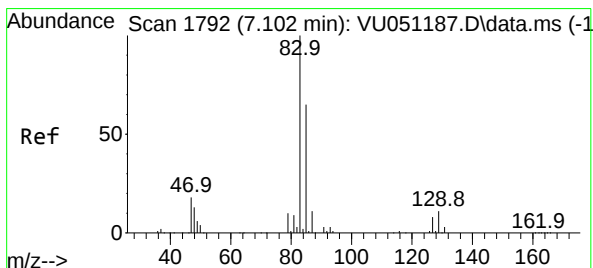
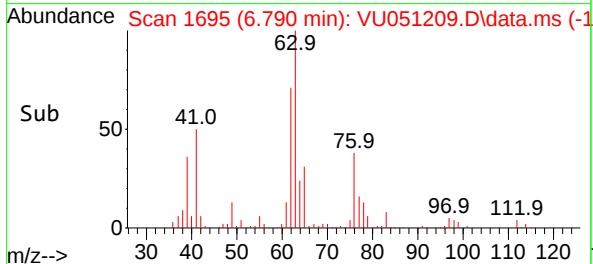
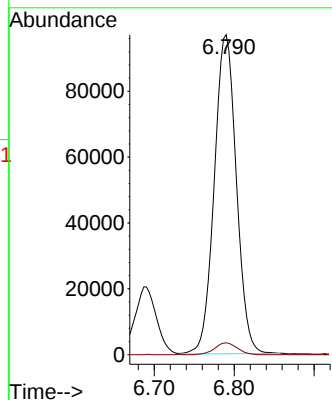
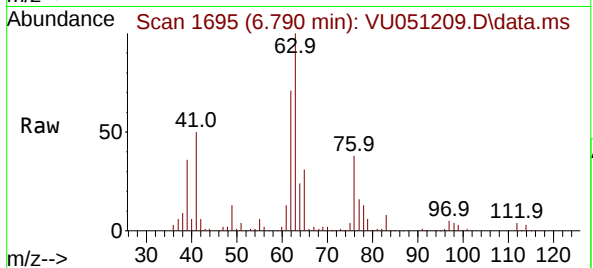
EY0E1MS

Tgt Ion: 63 Resp: 185609

Ion Ratio Lower Upper

63 100

112 3.8 3.3 4.9



#38

Bromodichloromethane

Concen: 52.406 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.003 min

Lab File: VU051209.D

Acq: 07 Oct 2022 06:22

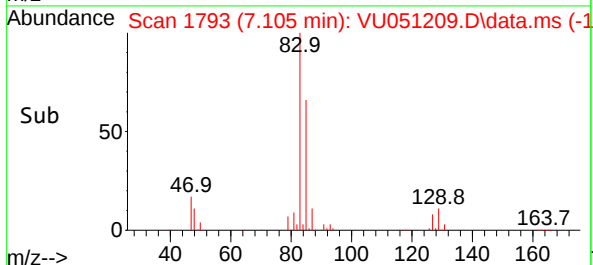
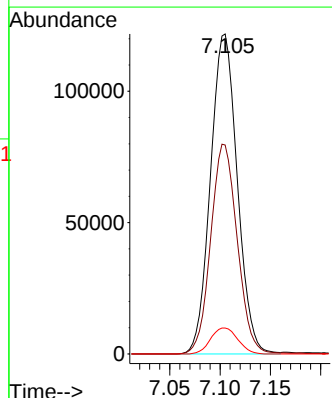
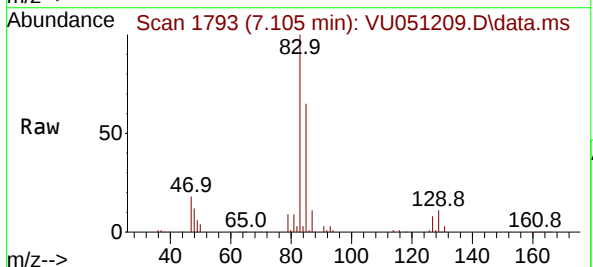
Tgt Ion: 83 Resp: 226039

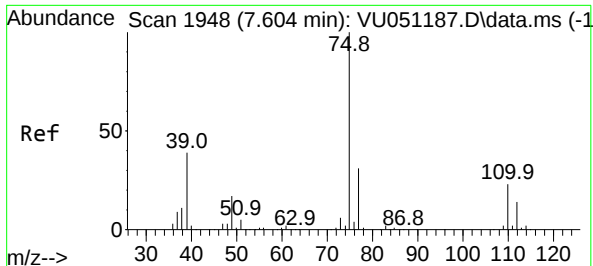
Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.7

127 8.1 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 47.462 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU051209.D

Acq: 07 Oct 2022 06:22

Instrument :

MSVOA_U

ClientSampleId :

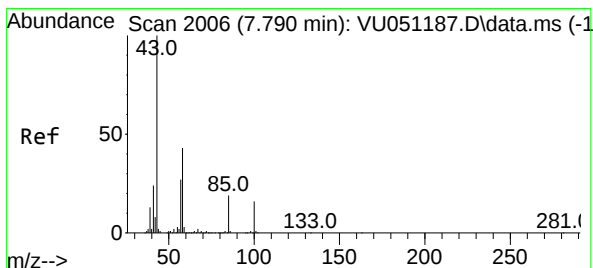
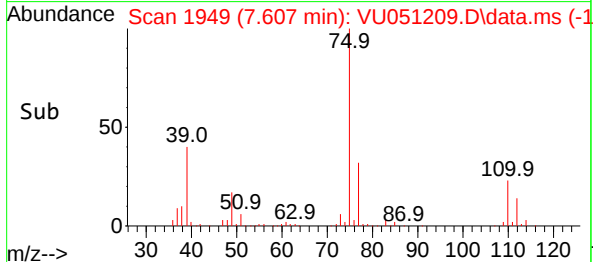
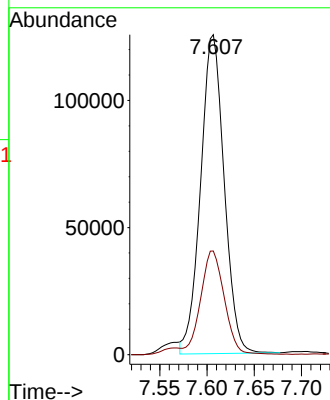
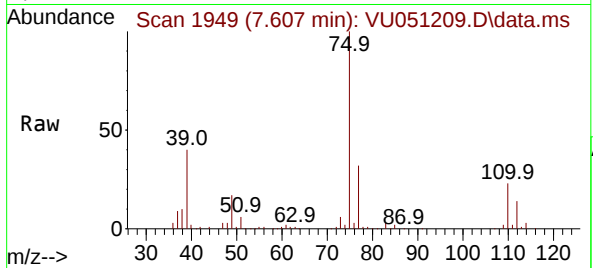
EY0E1MS

Tgt Ion: 75 Resp: 217245

Ion Ratio Lower Upper

75 100

77 32.4 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 104.586 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU051209.D

Acq: 07 Oct 2022 06:22

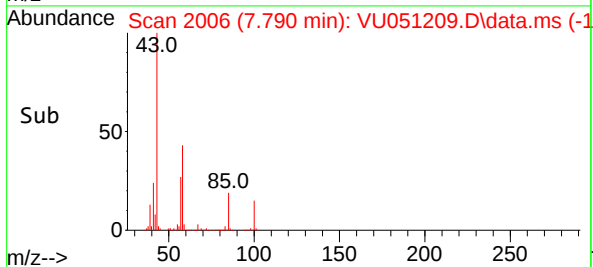
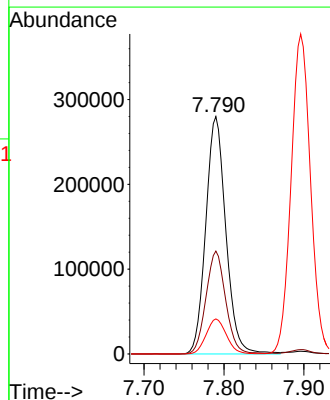
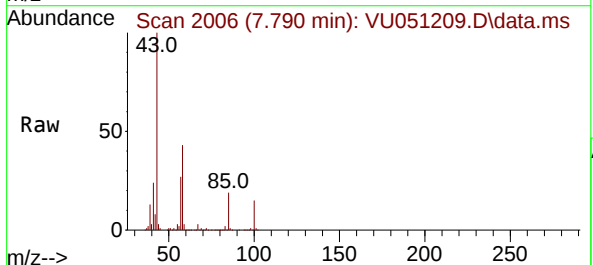
Tgt Ion: 43 Resp: 489523

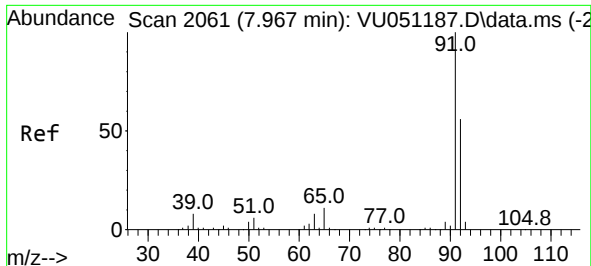
Ion Ratio Lower Upper

43 100

58 42.5 35.0 52.4

100 14.9 13.3 19.9





#42

Toluene

Concen: 54.176 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051209.D

Acq: 07 Oct 2022 06:22

Instrument :

MSVOA_U

ClientSampleId :

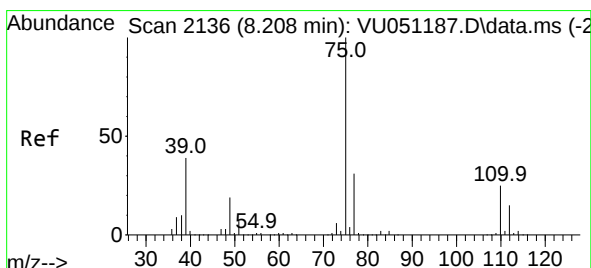
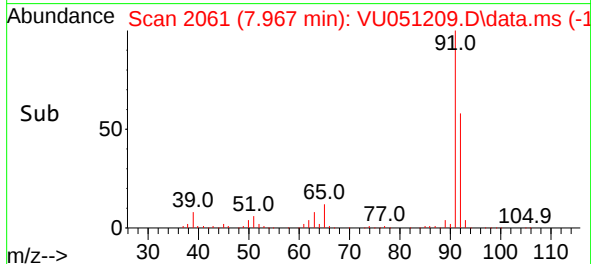
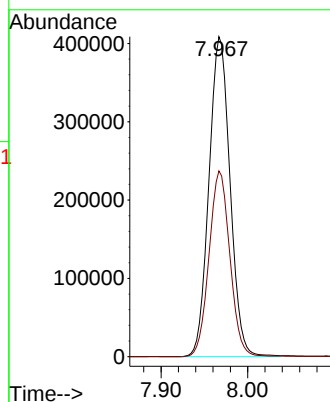
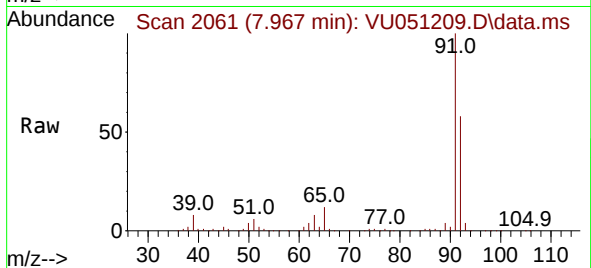
EY0E1MS

Tgt Ion: 91 Resp: 691615

Ion Ratio Lower Upper

91 100

92 58.0 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 47.546 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051209.D

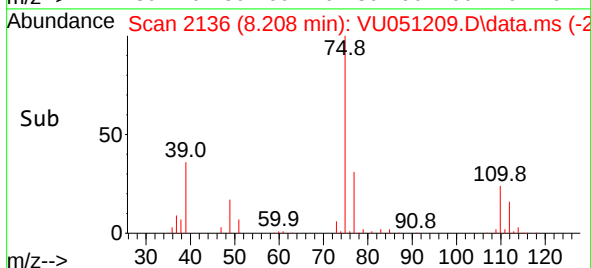
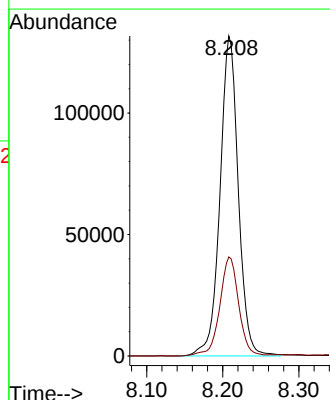
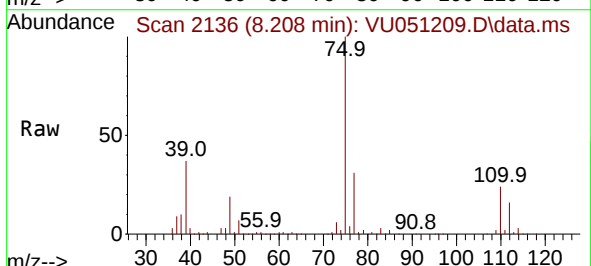
Acq: 07 Oct 2022 06:22

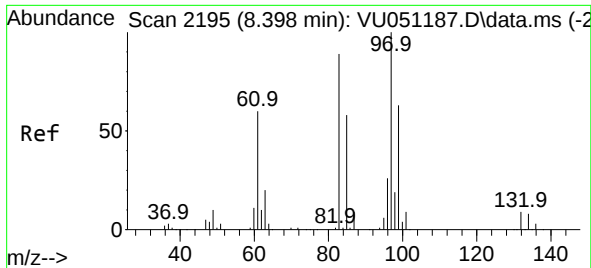
Tgt Ion: 75 Resp: 220047

Ion Ratio Lower Upper

75 100

77 31.0 22.7 42.3



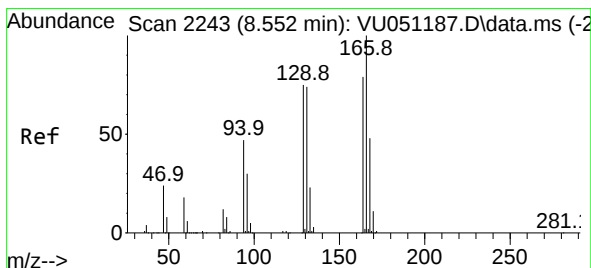
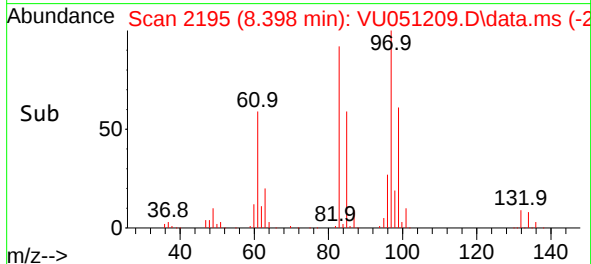
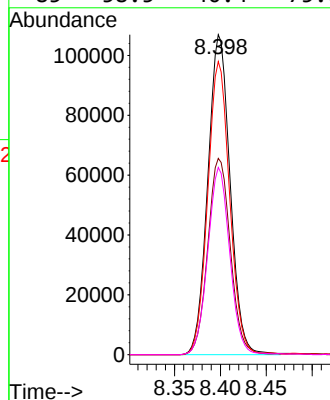
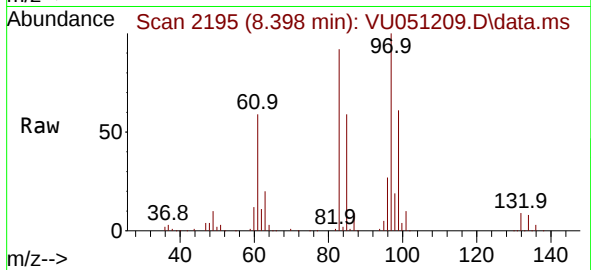


#45
1,1,2-Trichloroethane
Concen: 51.683 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

Instrument :
MSVOA_U
ClientSampleId :
EY0E1MS

Tgt Ion: 97 Resp: 180933

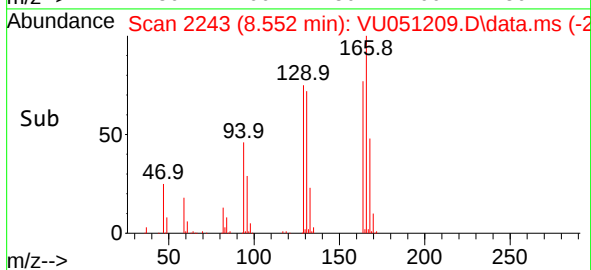
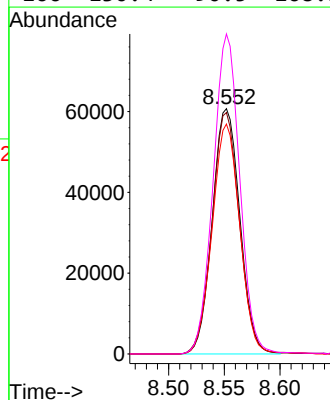
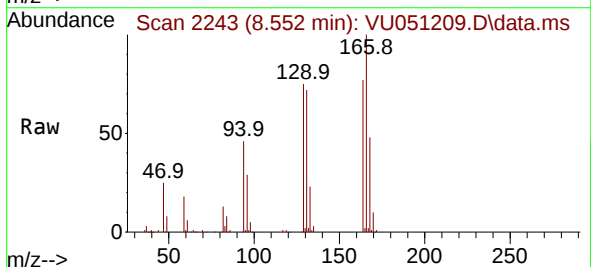
Ion	Ratio	Lower	Upper
97	100		
99	61.4	44.4	82.4
83	91.6	61.7	114.5
85	58.5	40.4	75.0

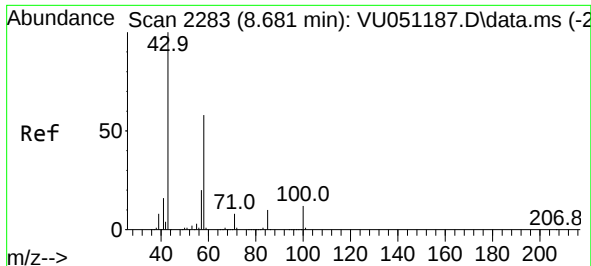


#46
Tetrachloroethene
Concen: 44.388 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

Tgt Ion: 164 Resp: 104569

Ion	Ratio	Lower	Upper
164	100		
129	98.4	68.1	126.5
131	93.7	67.8	126.0
166	130.4	90.5	168.1

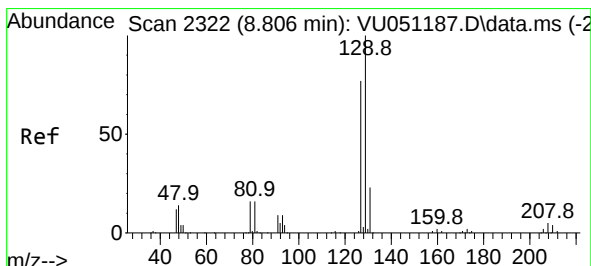
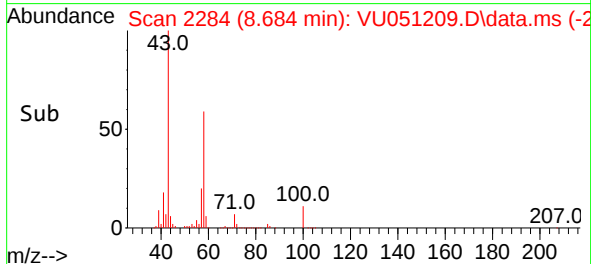
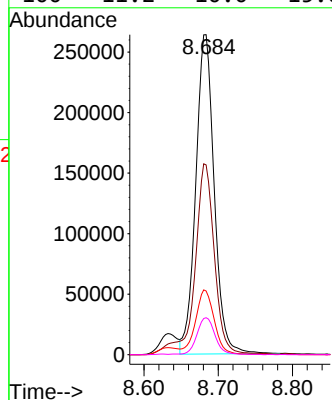
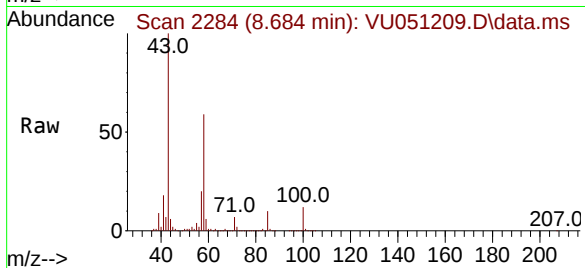




#48
2-Hexanone
Concen: 107.564 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

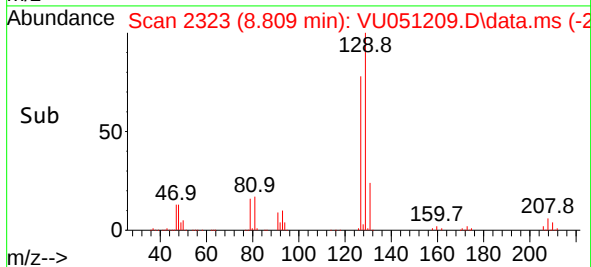
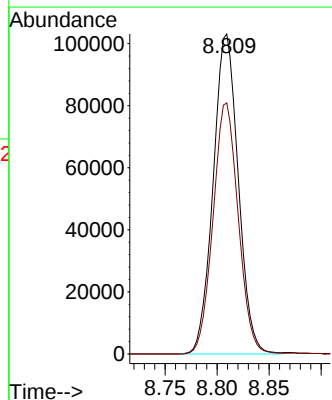
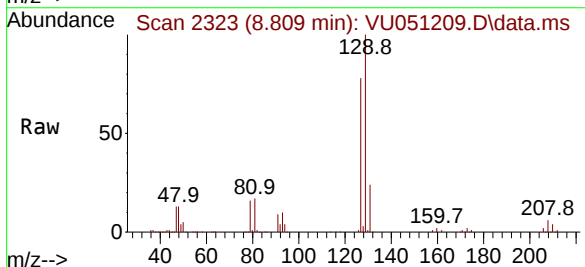
Instrument :
MSVOA_U
ClientSampleId :
EY0E1MS

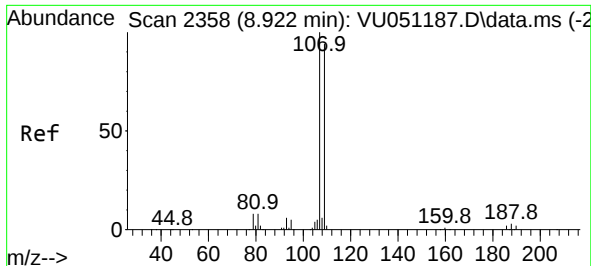
Tgt Ion: 43 Resp: 457291
Ion Ratio Lower Upper
43 100
58 63.7 48.3 72.5
57 20.5 15.9 23.9
100 11.2 10.0 15.0



#49
Dibromochloromethane
Concen: 47.083 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

Tgt Ion: 129 Resp: 173299
Ion Ratio Lower Upper
129 100
127 78.4 52.8 98.0

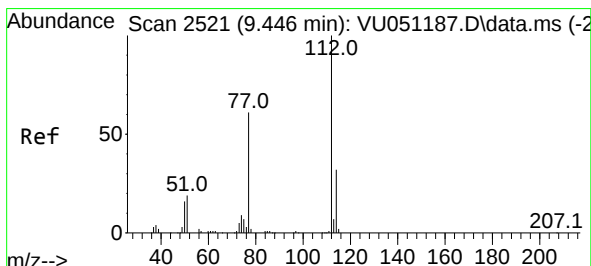
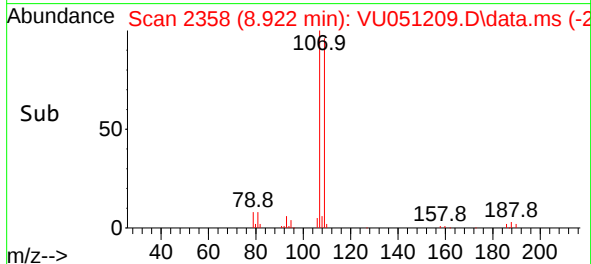
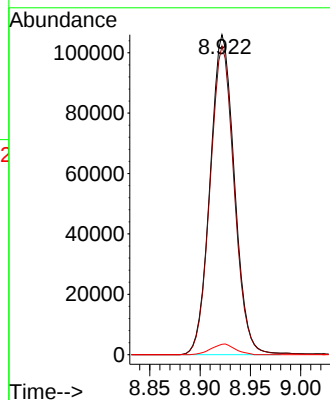
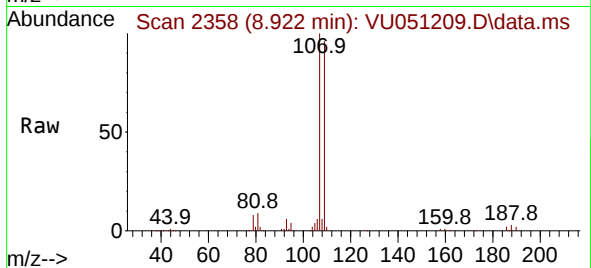




#50
1,2-Dibromoethane
Concen: 47.051 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

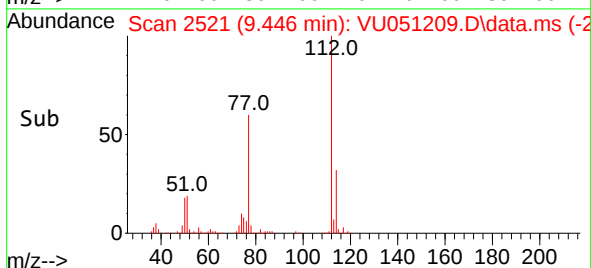
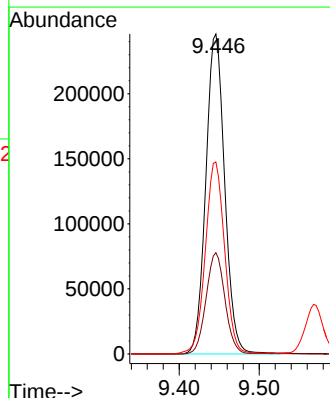
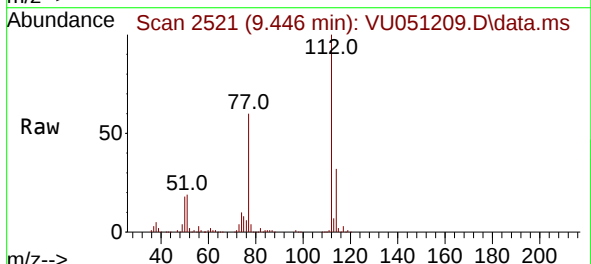
Instrument :
MSVOA_U
ClientSampleId :
EY0E1MS

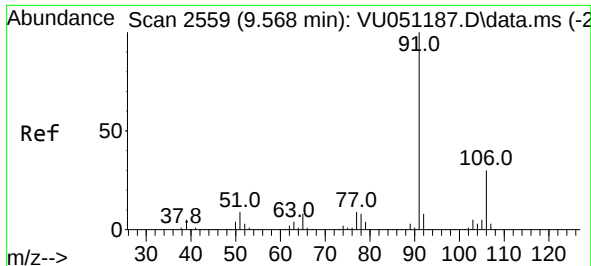
Tgt Ion:107 Resp: 178590
Ion Ratio Lower Upper
107 100
109 96.5 64.1 119.1
188 3.3 2.9 4.3



#51
Chlorobenzene
Concen: 46.584 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

Tgt Ion:112 Resp: 404421
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.3
77 60.0 48.2 72.2

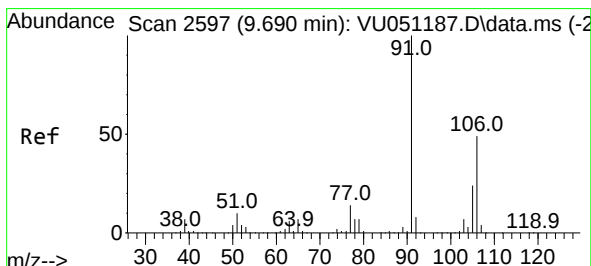
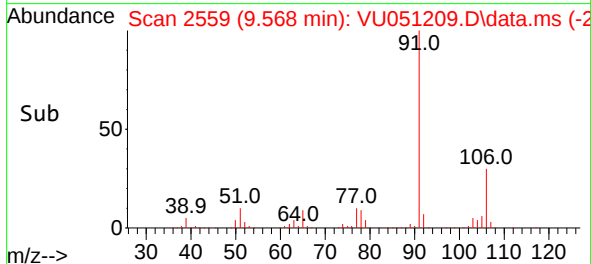
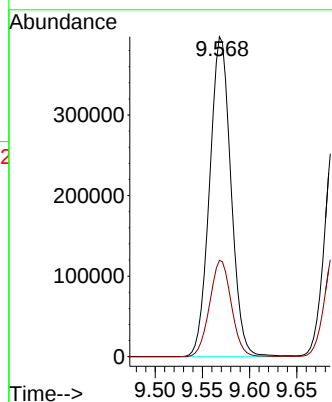
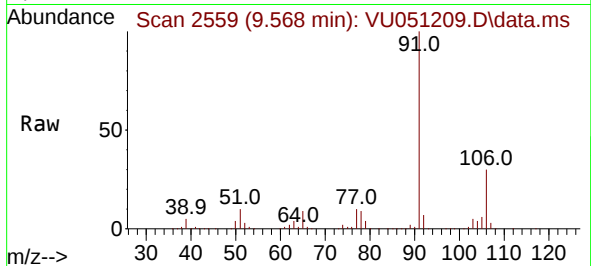




#52
Ethylbenzene
Concen: 45.779 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

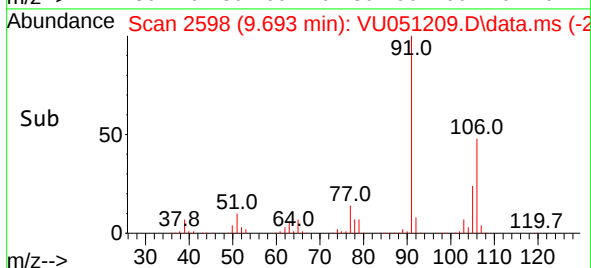
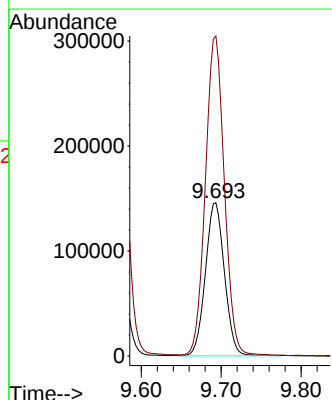
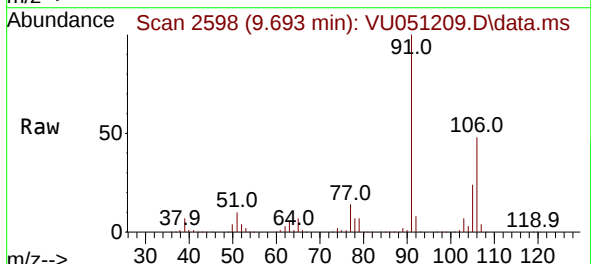
Instrument :
MSVOA_U
ClientSampleId :
EY0E1MS

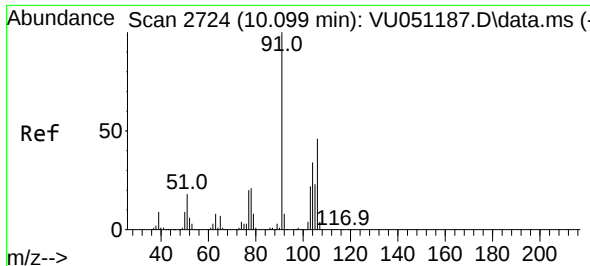
Tgt Ion: 91 Resp: 623373
Ion Ratio Lower Upper
91 100
106 30.1 21.7 40.3



#53
m,p-Xylene
Concen: 47.236 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

Tgt Ion: 106 Resp: 241876
Ion Ratio Lower Upper
106 100
91 208.9 141.9 263.5

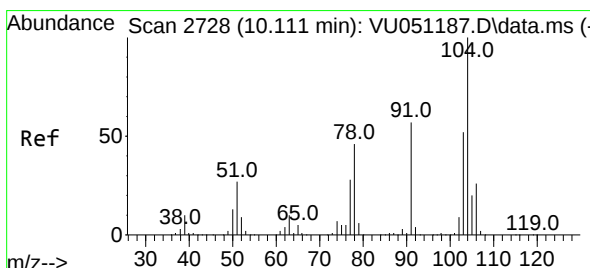
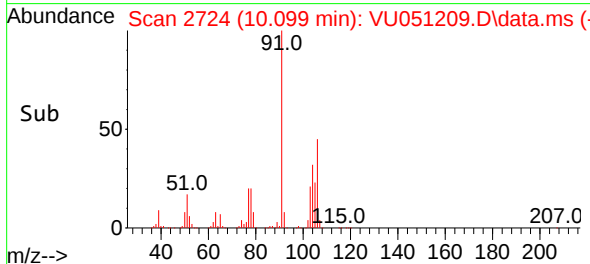
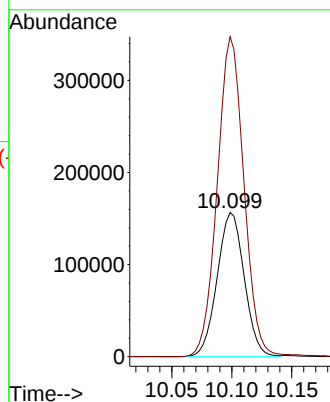
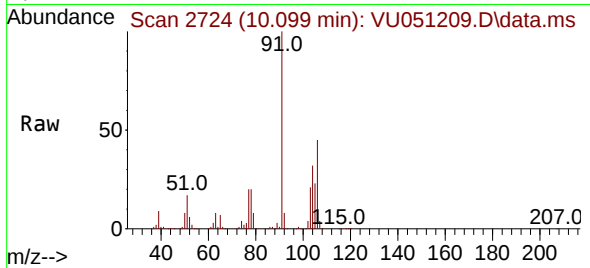




#54
o-Xylene
Concen: 47.980 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

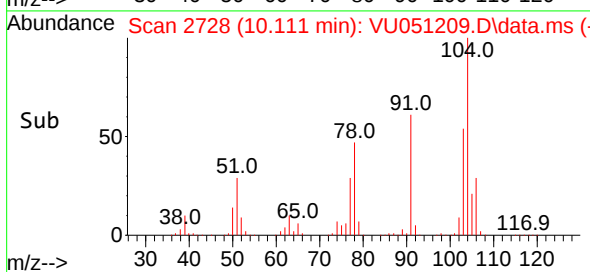
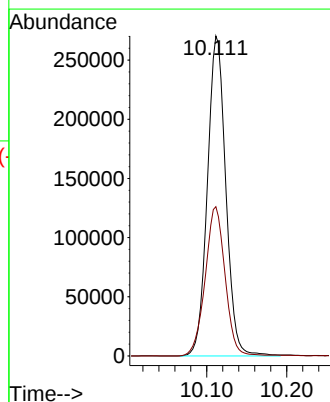
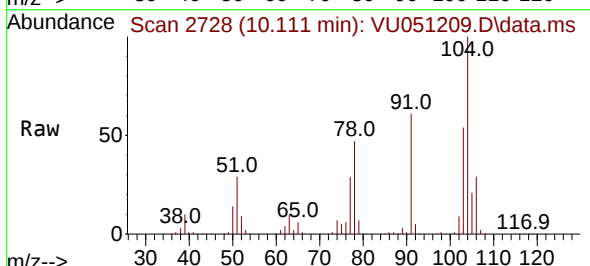
Instrument :
MSVOA_U
ClientSampleId :
EY0E1MS

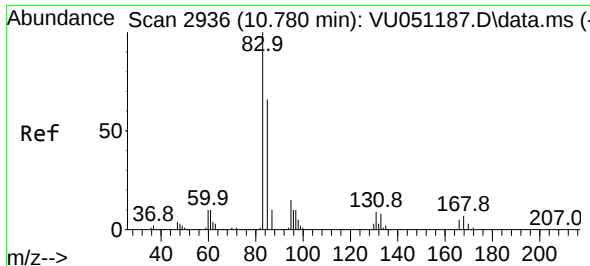
Tgt Ion:106 Resp: 245569
Ion Ratio Lower Upper
106 100
91 222.0 152.4 283.0



#55
Styrene
Concen: 48.974 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

Tgt Ion:104 Resp: 433226
Ion Ratio Lower Upper
104 100
78 46.7 31.0 57.6

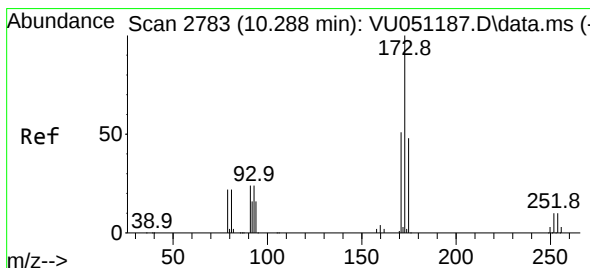
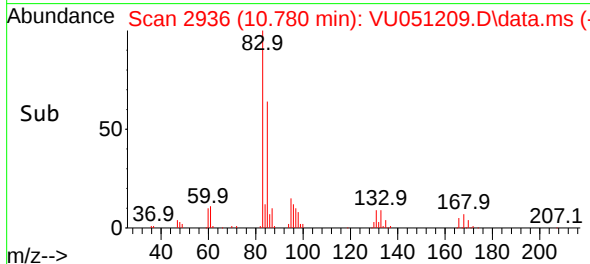
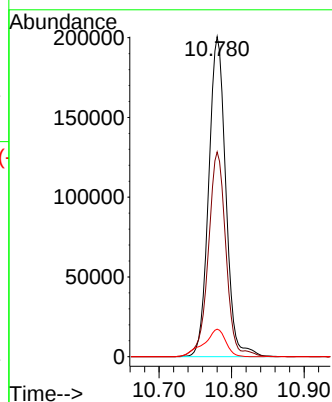
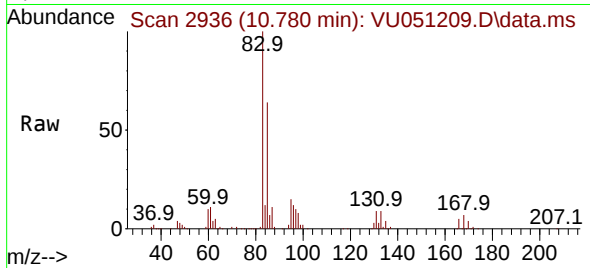




#57
1,1,2,2-Tetrachloroethane
Concen: 53.026 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

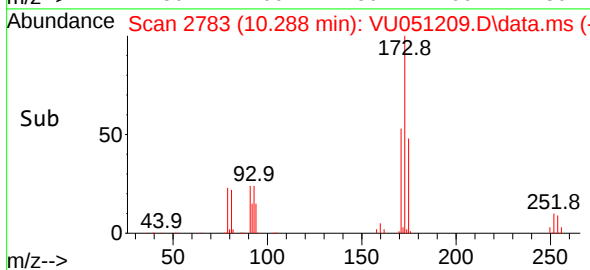
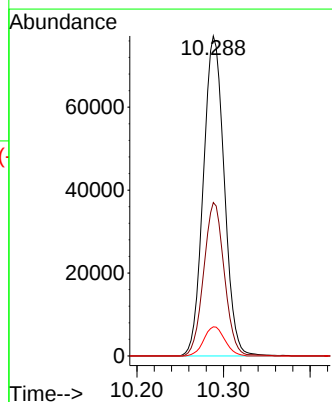
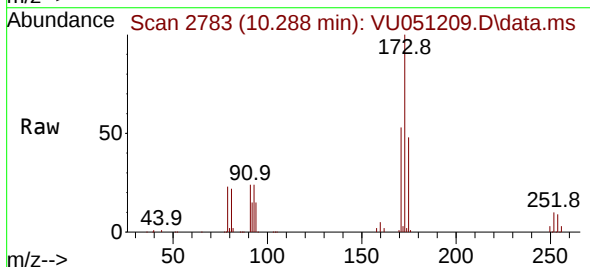
Instrument :
MSVOA_U
ClientSampleId :
EY0E1MS

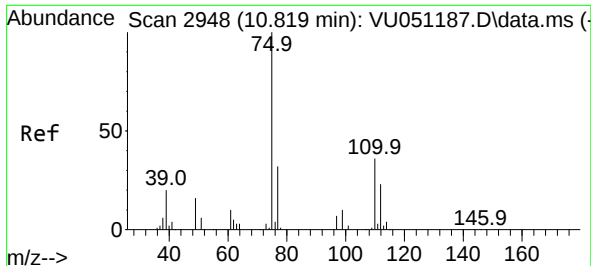
Tgt Ion: 83 Resp: 328539
Ion Ratio Lower Upper
83 100
85 64.0 44.7 83.1
131 8.6 7.0 10.4



#59
Bromoform
Concen: 46.145 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

Tgt Ion:173 Resp: 129188
Ion Ratio Lower Upper
173 100
175 47.5 39.4 59.0
254 9.2 7.4 11.0

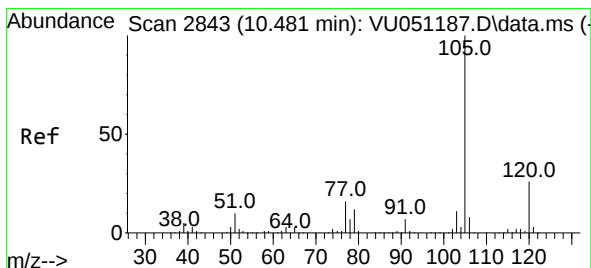
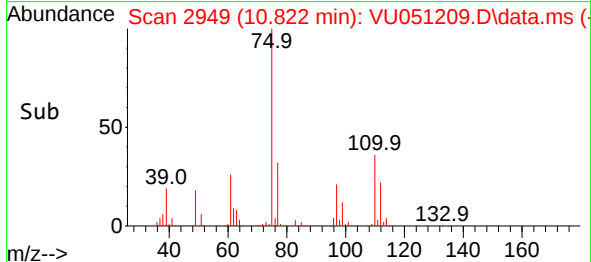
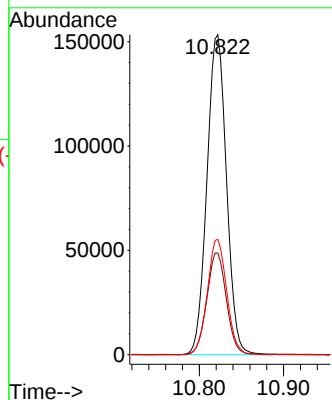
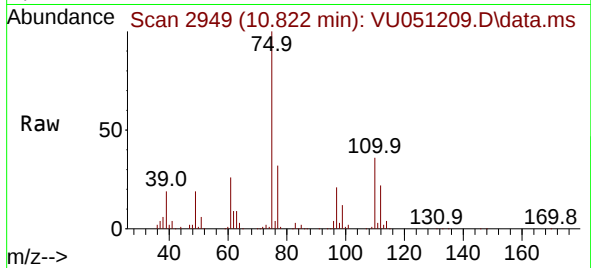




#60
1,2,3-Trichloropropane
Concen: 49.420 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

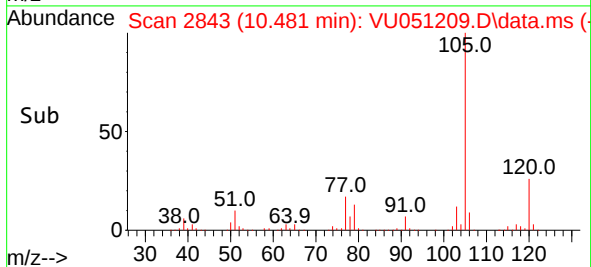
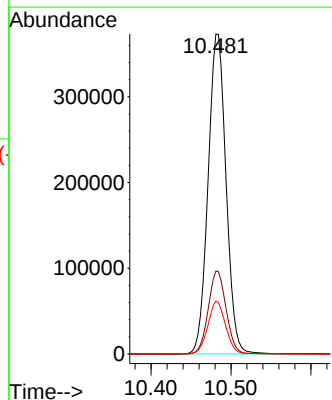
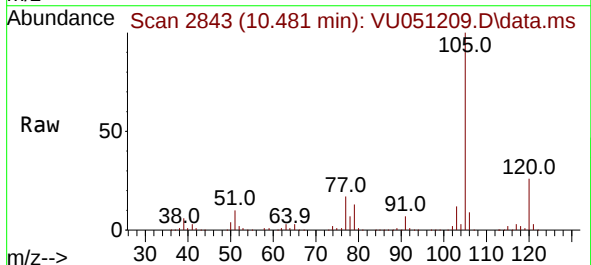
Instrument :
MSVOA_U
ClientSampleId :
EY0E1MS

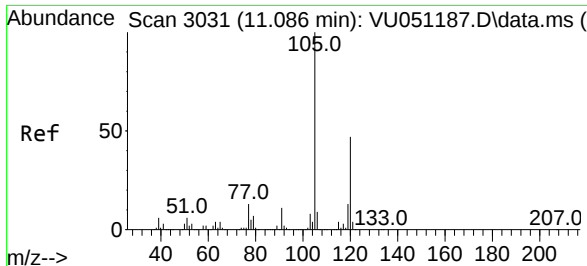
Tgt Ion: 75 Resp: 247455
Ion Ratio Lower Upper
75 100
77 32.0 26.1 39.1
110 35.8 30.0 45.0



#61
Isopropylbenzene
Concen: 47.111 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

Tgt Ion: 105 Resp: 582312
Ion Ratio Lower Upper
105 100
120 25.7 21.1 31.7
77 16.2 12.8 19.2

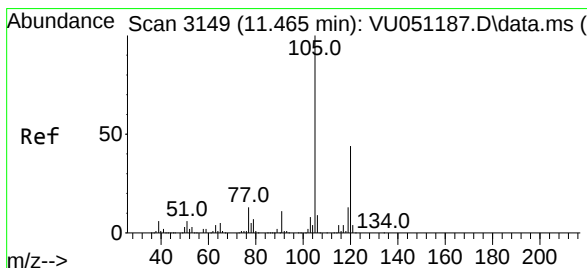
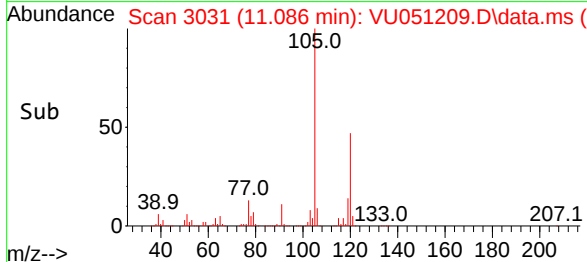
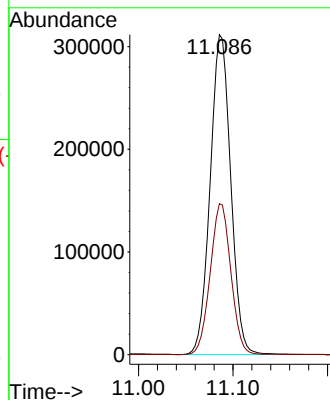
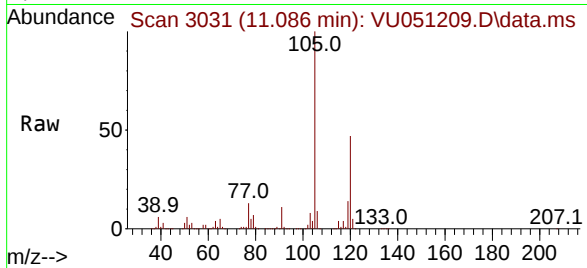




#62
 1,3,5-Trimethylbenzene
 Concen: 46.523 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU051209.D
 Acq: 07 Oct 2022 06:22

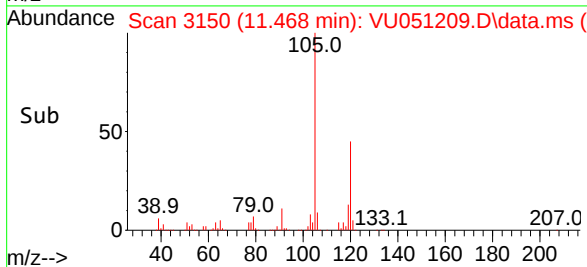
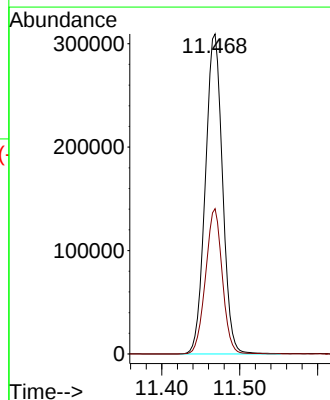
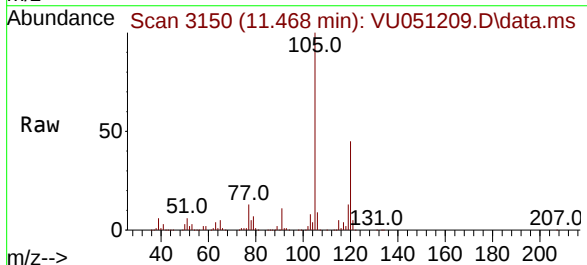
Instrument :
 MSVOA_U
 ClientSampleId :
 EY0E1MS

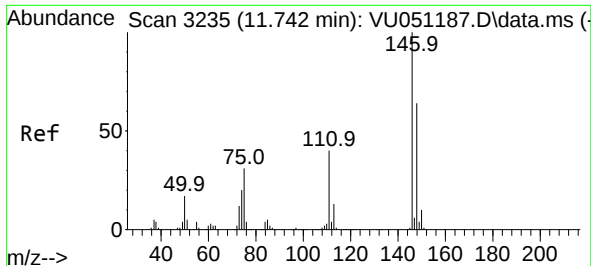
Tgt Ion:105 Resp: 470215
 Ion Ratio Lower Upper
 105 100
 120 47.5 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 46.698 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.003 min
 Lab File: VU051209.D
 Acq: 07 Oct 2022 06:22

Tgt Ion:105 Resp: 473052
 Ion Ratio Lower Upper
 105 100
 120 44.3 35.5 53.3

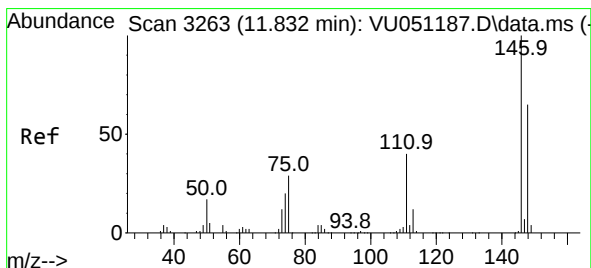
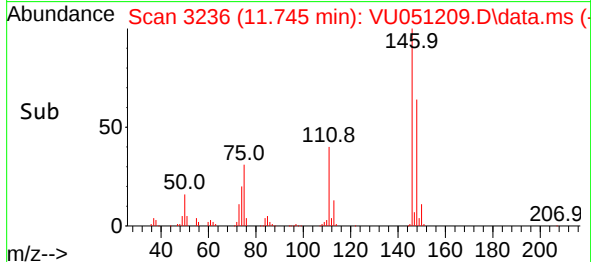
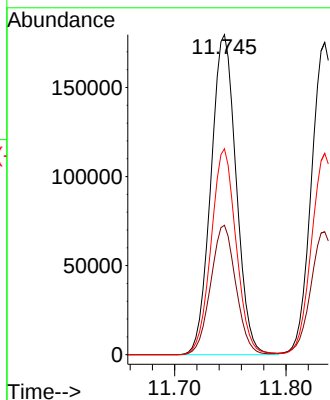
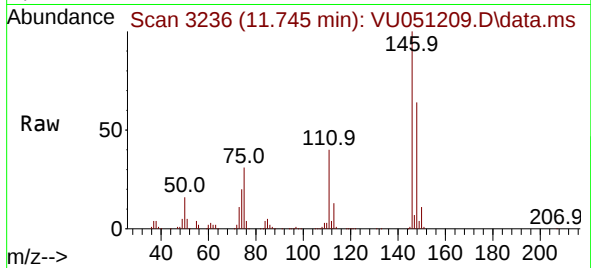




#64
1,3-Dichlorobenzene
Concen: 44.453 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

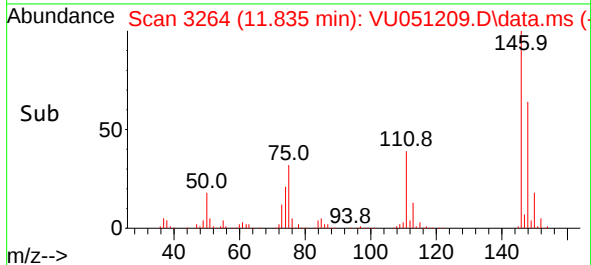
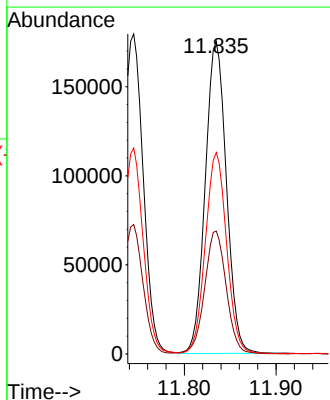
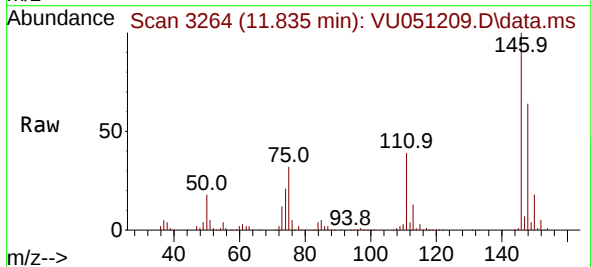
Instrument :
MSVOA_U
ClientSampleId :
EY0E1MS

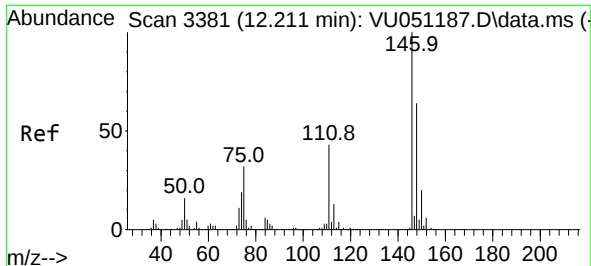
Tgt Ion:146 Resp: 283258
Ion Ratio Lower Upper
146 100
111 40.5 28.2 52.4
148 64.3 43.5 80.9



#65
1,4-Dichlorobenzene
Concen: 44.118 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

Tgt Ion:146 Resp: 281020
Ion Ratio Lower Upper
146 100
111 39.3 27.0 50.2
148 64.5 45.1 83.9

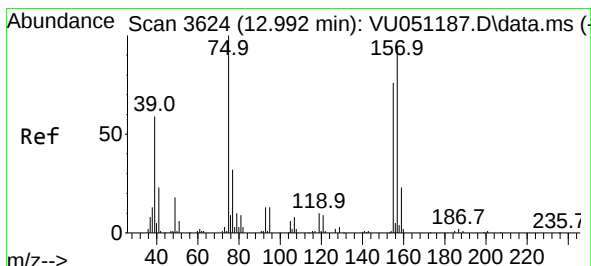
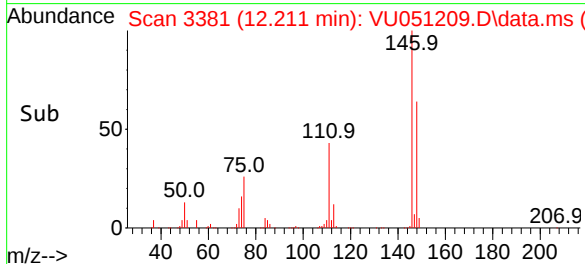
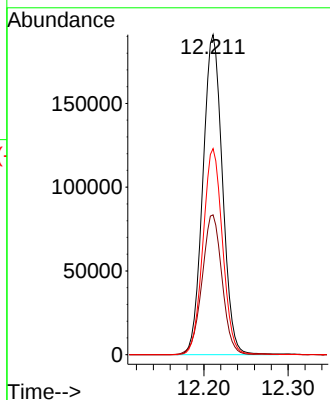
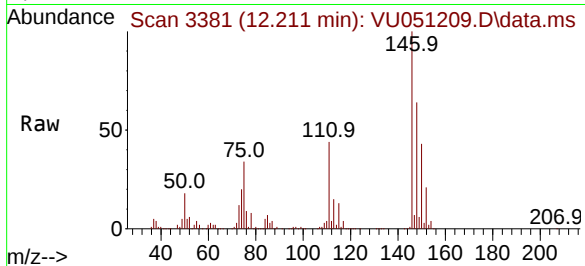




#67
1,2-Dichlorobenzene
Concen: 47.207 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

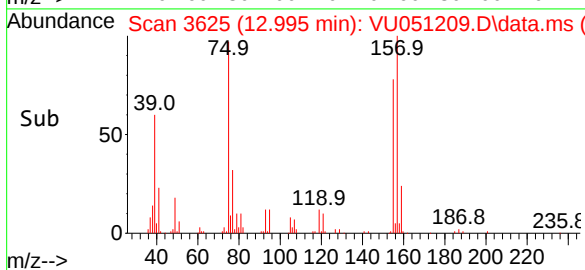
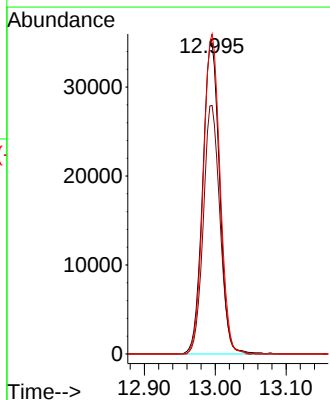
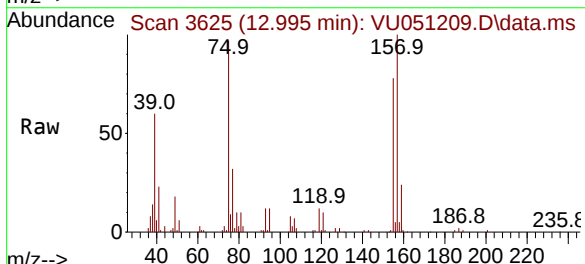
Instrument :
MSVOA_U
ClientSampleId :
EY0E1MS

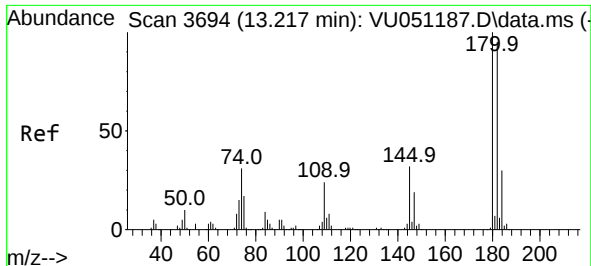
Tgt Ion:146 Resp: 309057
Ion Ratio Lower Upper
146 100
111 43.7 33.7 50.5
148 64.4 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 39.713 ug/L
RT: 12.995 min Scan# 3625
Delta R.T. 0.003 min
Lab File: VU051209.D
Acq: 07 Oct 2022 06:22

Tgt Ion: 75 Resp: 58029
Ion Ratio Lower Upper
75 100
155 80.0 64.4 96.6
157 103.0 82.2 123.2

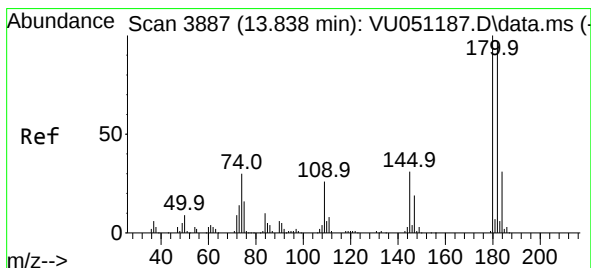
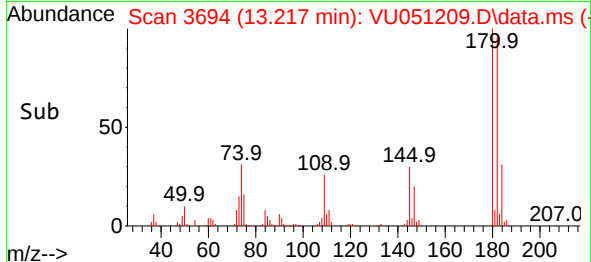
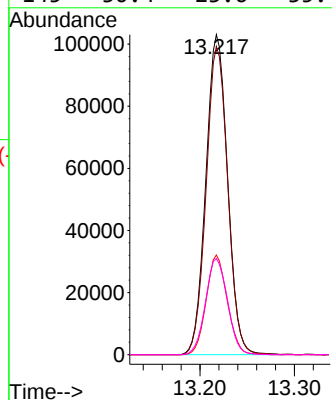
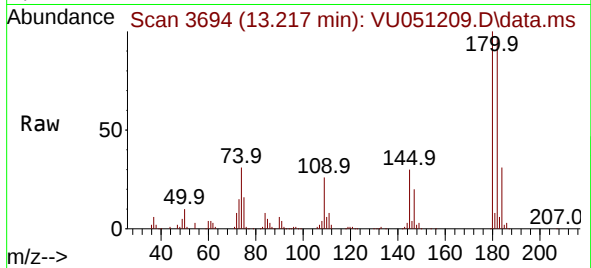




#69
 1,3,5-Trichlorobenzene
 Concen: 38.110 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.000 min
 Lab File: VU051209.D
 Acq: 07 Oct 2022 06:22

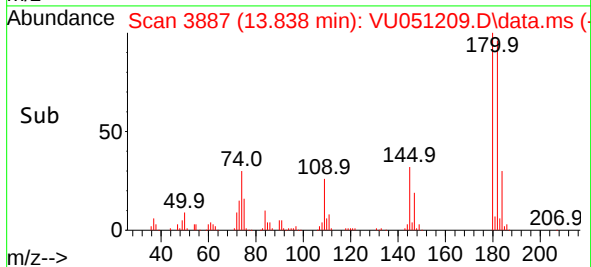
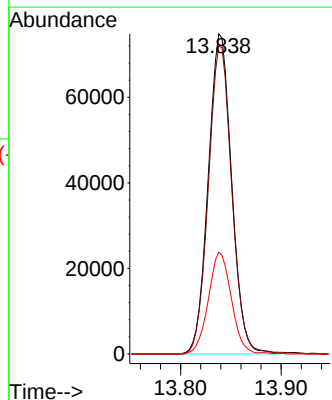
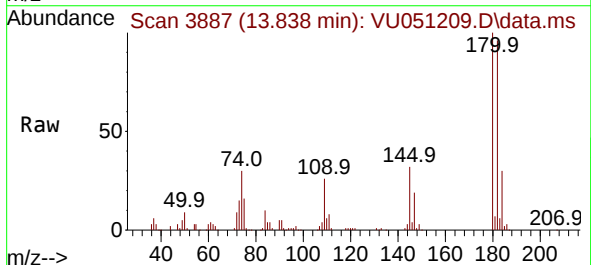
Instrument :
 MSVOA_U
 ClientSampleId :
 EY0E1MS

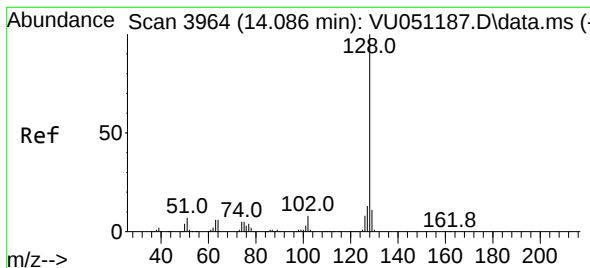
Tgt Ion:180 Resp: 164676
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.0 115.4
 184 30.1 24.4 36.6
 145 30.4 23.6 35.4



#70
 1,2,4-trichlorobenzene
 Concen: 34.200 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU051209.D
 Acq: 07 Oct 2022 06:22

Tgt Ion:180 Resp: 120911
 Ion Ratio Lower Upper
 180 100
 182 96.5 75.9 113.9
 145 31.1 24.0 36.0





#71

Naphthalene

Concen: 32.067 ug/L

RT: 14.085 min Scan# 3964

Delta R.T. -0.000 min

Lab File: VU051209.D

Acq: 07 Oct 2022 06:22

Instrument :

MSVOA_U

ClientSampleId :

EY0E1MS

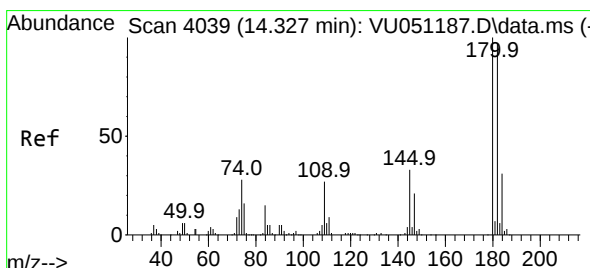
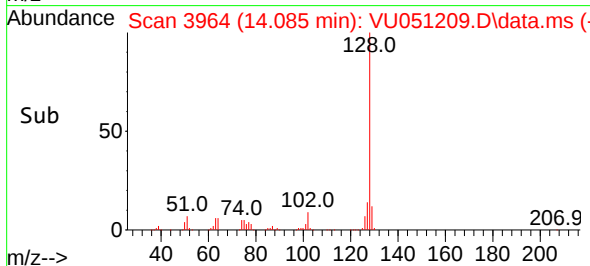
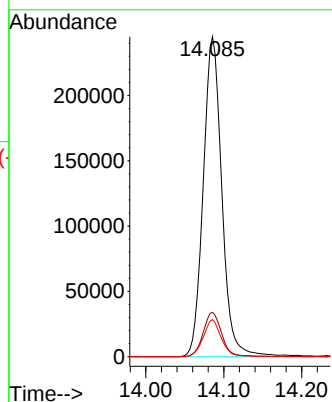
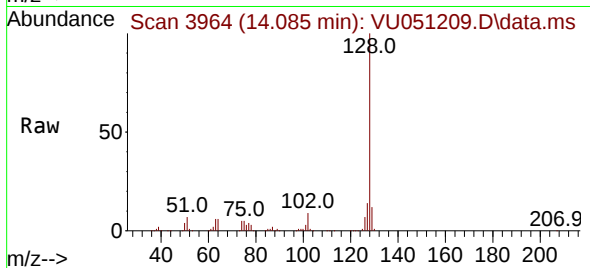
Tgt Ion:128 Resp: 405774

Ion Ratio Lower Upper

128 100

127 13.7 10.7 16.1

129 11.1 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 36.673 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. -0.000 min

Lab File: VU051209.D

Acq: 07 Oct 2022 06:22

Tgt Ion:180 Resp: 144681

Ion Ratio Lower Upper

180 100

182 96.8 76.0 114.0

145 33.0 26.1 39.1

