

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010824\
 Data File : VU057427.D
 Acq On : 09 Jan 2024 09:35
 Operator : MD/SY
 Sample : P1058-02MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YCH89MS

Quant Time: Jan 09 11:36:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 09 06:09:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	261488	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	259108	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	127002	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	76232	42.357	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.720%
7) Chloroethane-d5	1.914	69	60655	43.551	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.100%
11) 1,1-Dichloroethene-d2	2.563	63	173190	45.401	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.800%
21) 2-Butanone-d5	4.634	46	90637	103.932	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.930%
24) Chloroform-d	5.055	84	194875	45.789	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.580%
26) 1,2-Dichloroethane-d4	5.695	65	131146	46.645	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.300%
32) Benzene-d6	5.721	84	332084	47.745	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.500%
36) 1,2-Dichloropropane-d6	6.682	67	93412	47.584	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.160%
41) Toluene-d8	7.891	98	318119	48.807	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.620%
43) trans-1,3-Dichloroprop...	8.174	79	54474	46.490	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.980%
47) 2-Hexanone-d5	8.643	63	69560	108.393	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.390%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	139287	47.479	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.960%
66) 1,2-Dichlorobenzene-d4	12.190	152	121056	48.735	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	145698	48.841	ug/L	100
3) Chloromethane	1.518	50	90357	48.271	ug/L	98
5) Vinyl chloride	1.605	62	99220	49.513	ug/L	99
6) Bromomethane	1.859	94	61258	46.185	ug/L	98
8) Chloroethane	1.933	64	54638	46.613	ug/L	91
9) Trichlorofluoromethane	2.129	101	202807	48.504	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	97218	48.415	ug/L	97
12) 1,1-Dichloroethene	2.573	96	89289	50.394	ug/L	90
13) Acetone	2.647	43	244039	229.793	ug/L	97
14) Carbon disulfide	2.785	76	261572	47.664	ug/L	99
15) Methyl Acetate	2.949	43	92787	66.974	ug/L	# 78
16) Methylene chloride	3.039	84	98399	48.845	ug/L	97
17) trans-1,2-Dichloroethene	3.345	96	88963	49.080	ug/L	92
18) Methyl tert-butyl Ether	3.354	73	310854	53.577	ug/L	99
19) 1,1-Dichloroethane	3.859	63	174583	52.025	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	101977	52.594	ug/L	99
22) 2-Butanone	4.711	43	121383	115.999	ug/L	97
23) Bromochloromethane	4.965	128	54339	48.821	ug/L	96
25) Chloroform	5.078	83	198986	48.860	ug/L	99

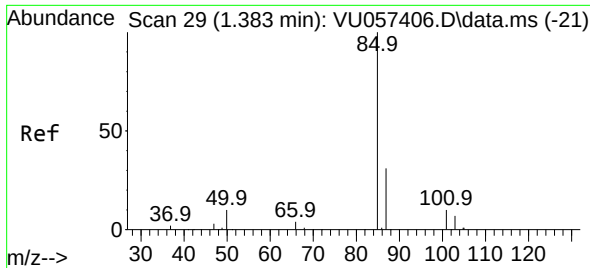
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010824\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	168438	49.100	ug/L	100
29) Cyclohexane	5.380	56	129838	52.964	ug/L	98
30) 1,1,1-Trichloroethane	5.306	97	196627	49.322	ug/L	100
31) Carbon tetrachloride	5.515	117	172141	48.685	ug/L	100
33) Benzene	5.766	78	373274	51.262	ug/L	100
34) Trichloroethene	6.534	95	104426	49.120	ug/L	98
35) Methylcyclohexane	6.756	83	144630	50.004	ug/L	98
37) 1,2-Dichloropropane	6.782	63	89678	49.907	ug/L #	93
38) Bromodichloromethane	7.097	83	150544	49.456	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	150142	47.717	ug/L	99
40) 4-Methyl-2-pentanone	7.804	43	206314	112.686	ug/L	98
42) Toluene	7.965	91	411482	52.552	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	159842	50.600	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	102404	51.794	ug/L	98
46) Tetrachloroethene	8.547	164	77739	48.341	ug/L	97
48) 2-Hexanone	8.695	43	154713	105.033	ug/L	98
49) Dibromochloromethane	8.804	129	118427	49.150	ug/L	100
50) 1,2-Dibromoethane	8.920	107	109922	52.413	ug/L	97
51) Chlorobenzene	9.444	112	266090	50.576	ug/L	99
52) Ethylbenzene	9.566	91	459363	52.684	ug/L	99
53) m,p-Xylene	9.688	106	169890	52.124	ug/L	97
54) o-Xylene	10.097	106	166411	52.280	ug/L	100
55) Styrene	10.113	104	283337	52.566	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	149024	49.987	ug/L	98
59) Bromoform	10.290	173	93456	50.750	ug/L #	98
60) 1,2,3-Trichloropropane	10.820	75	125834	52.309	ug/L	99
61) Isopropylbenzene	10.479	105	454227	54.613	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	391349	55.019	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	385754	55.245	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	199498	50.896	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	197035	48.970	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	199102	50.395	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.990	75	32869	51.171	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	139261	49.633	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	107026	50.101	ug/L	98
71) Naphthalene	14.080	128	252577	50.602	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	102504	50.740	ug/L	99

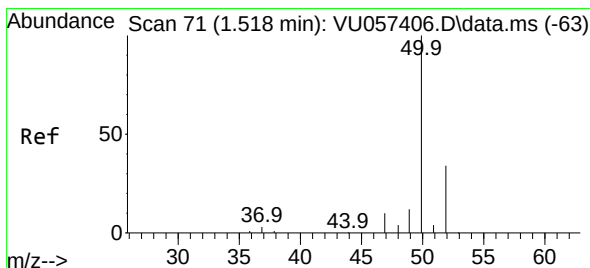
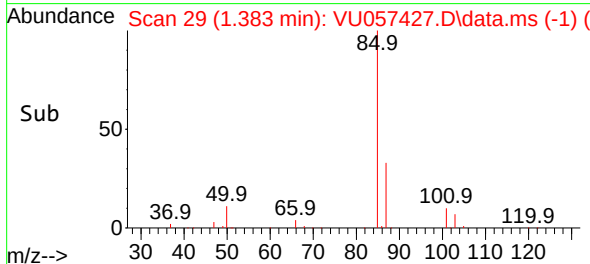
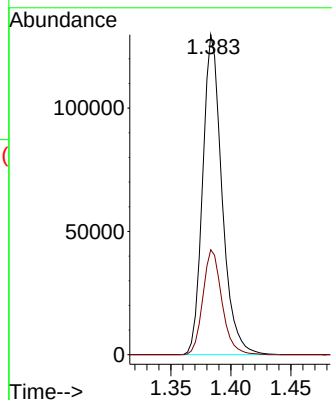
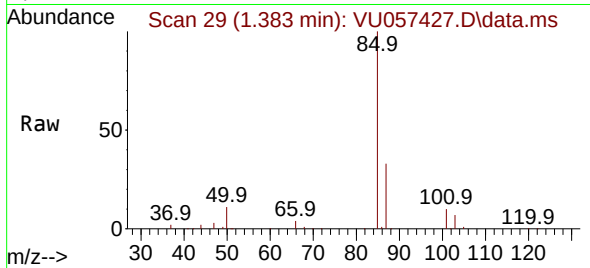
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 48.841 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU057427.D
 Acq: 09 Jan 2024 09:35

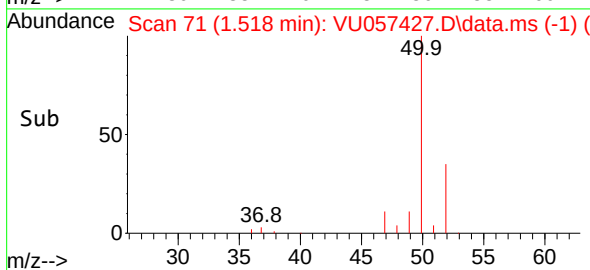
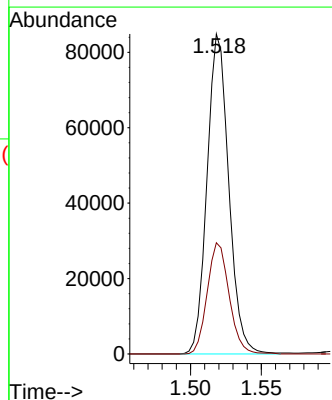
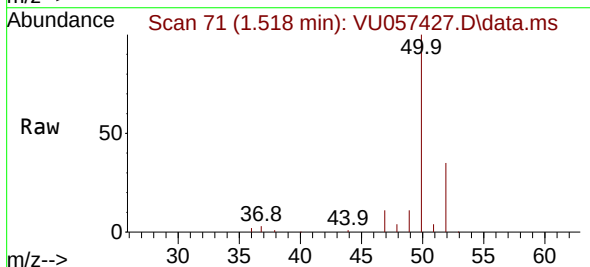
Instrument :
 MSVOA_U
 ClientSampleId :
 YCH89MS

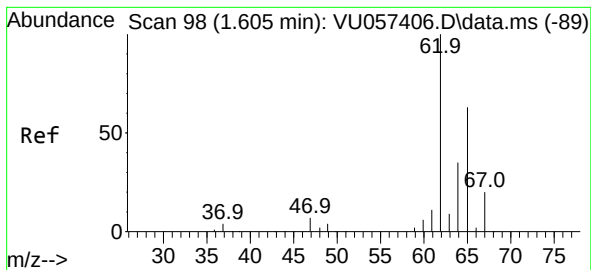
Tgt Ion: 85 Resp: 145698
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.8 38.6



#3
 Chloromethane
 Concen: 48.271 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU057427.D
 Acq: 09 Jan 2024 09:35

Tgt Ion: 50 Resp: 90357
 Ion Ratio Lower Upper
 50 100
 52 34.8 23.7 43.9





#5

Vinyl chloride

Concen: 49.513 ug/L

RT: 1.605 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

Instrument :

MSVOA_U

ClientSampleId :

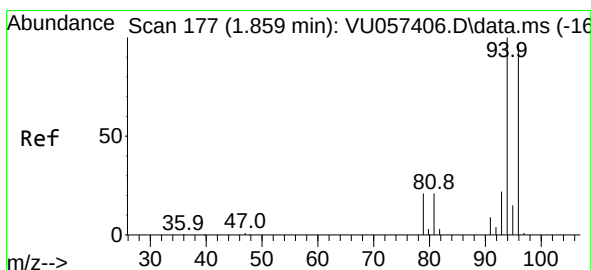
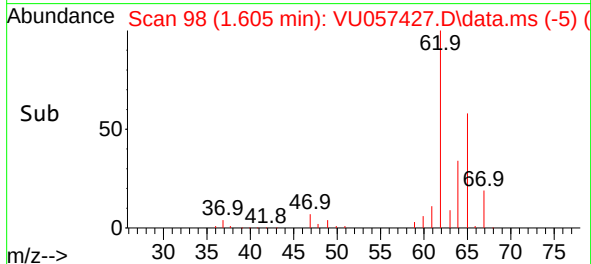
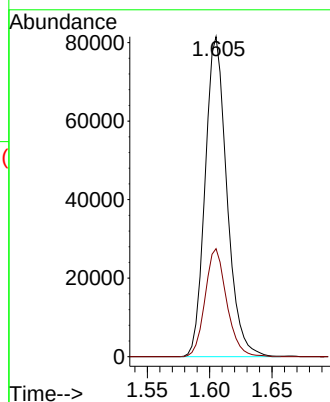
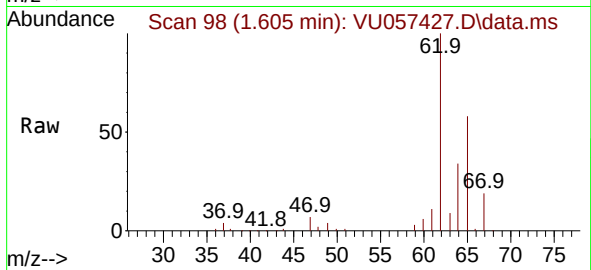
YCH89MS

Tgt Ion: 62 Resp: 99220

Ion Ratio Lower Upper

62 100

64 33.8 23.3 43.3



#6

Bromomethane

Concen: 46.185 ug/L

RT: 1.859 min Scan# 177

Delta R.T. -0.000 min

Lab File: VU057427.D

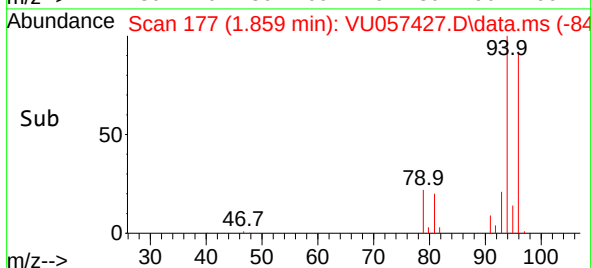
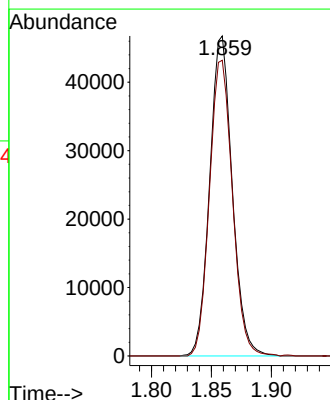
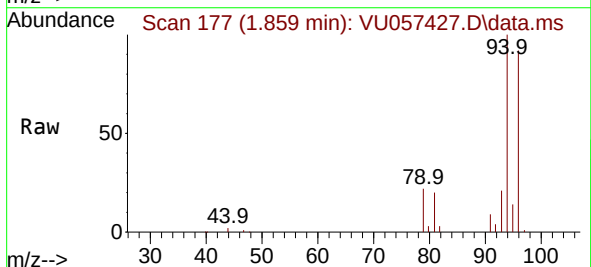
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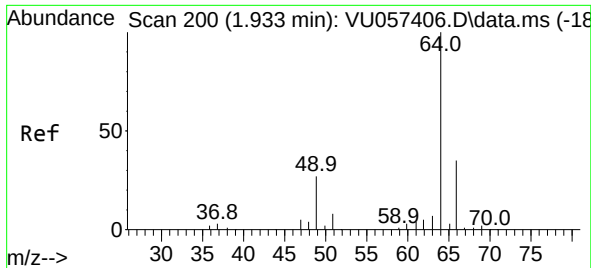
Tgt Ion: 94 Resp: 61258

Ion Ratio Lower Upper

94 100

96 92.4 65.9 122.5





#8

Chloroethane

Concen: 46.613 ug/L

RT: 1.933 min Scan# 200

Delta R.T. -0.000 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

Instrument :

MSVOA_U

ClientSampleId :

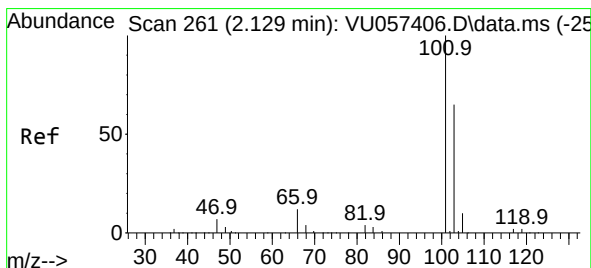
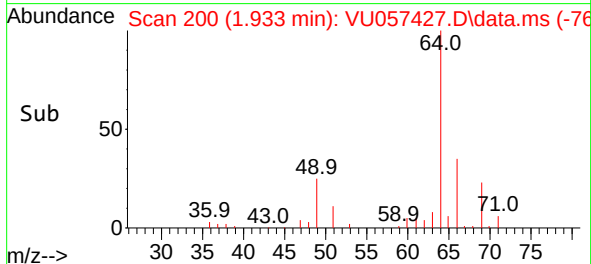
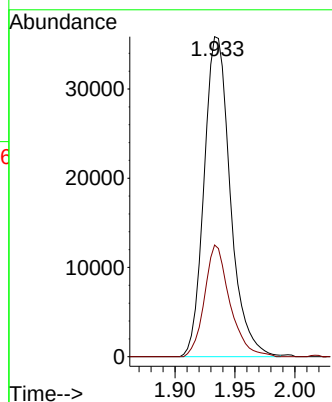
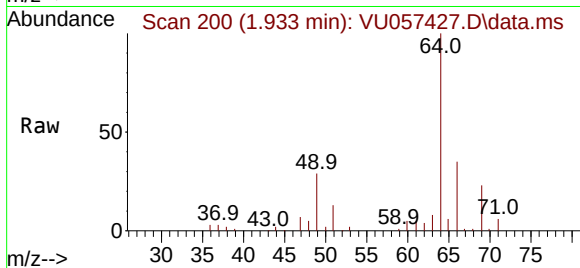
YCH89MS

Tgt Ion: 64 Resp: 54638

Ion Ratio Lower Upper

64 100

66 34.9 20.9 38.9



#9

Trichlorofluoromethane

Concen: 48.504 ug/L

RT: 2.129 min Scan# 261

Delta R.T. -0.000 min

Lab File: VU057427.D

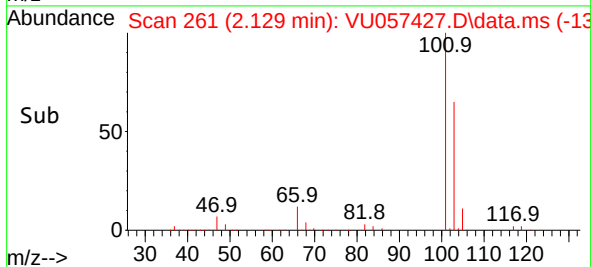
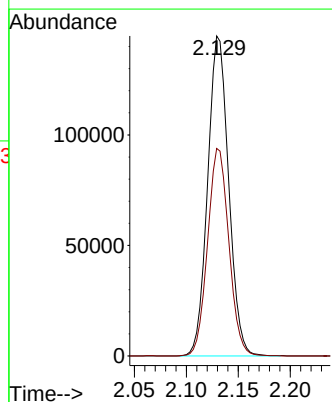
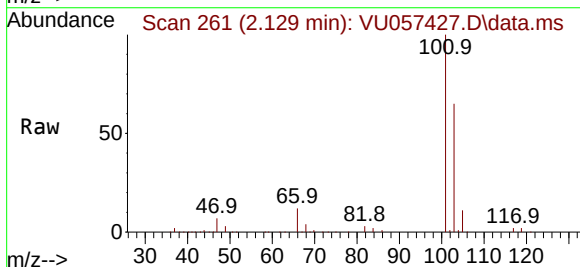
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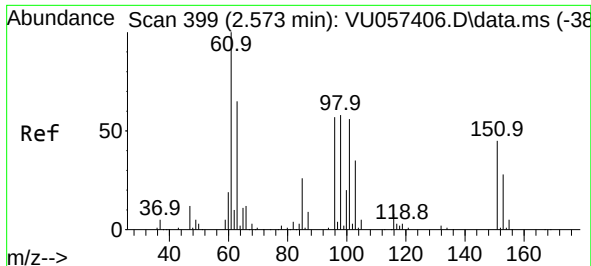
Tgt Ion:101 Resp: 202807

Ion Ratio Lower Upper

101 100

103 65.8 53.4 80.0

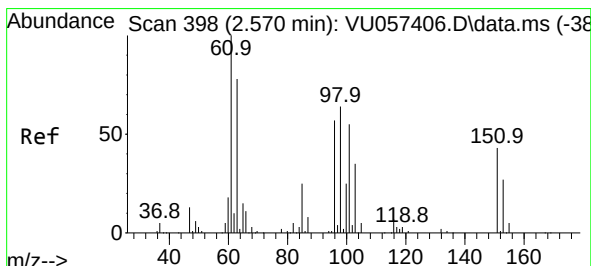
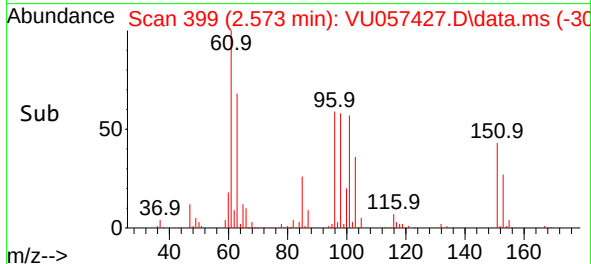
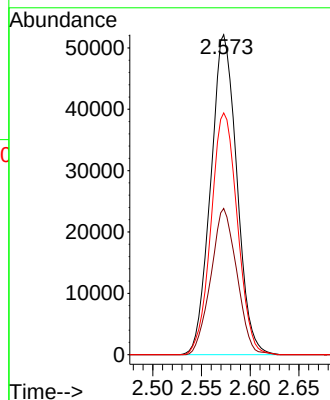
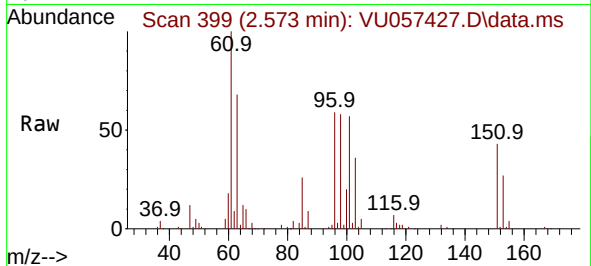




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.415 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU057427.D
 Acq: 09 Jan 2024 09:35

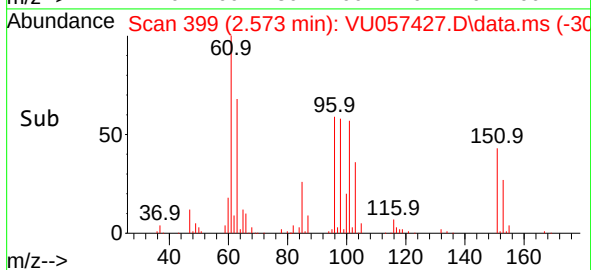
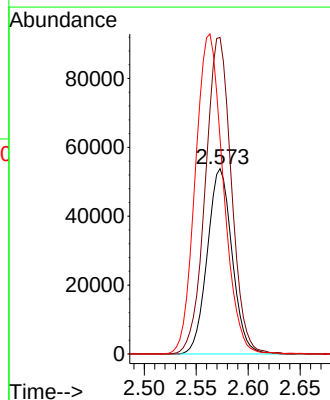
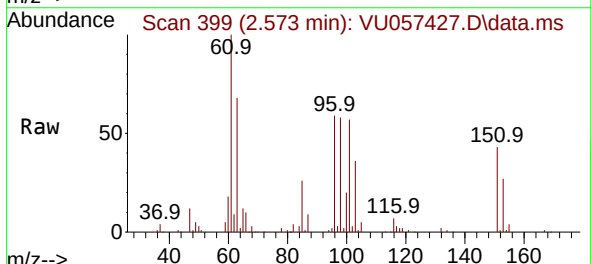
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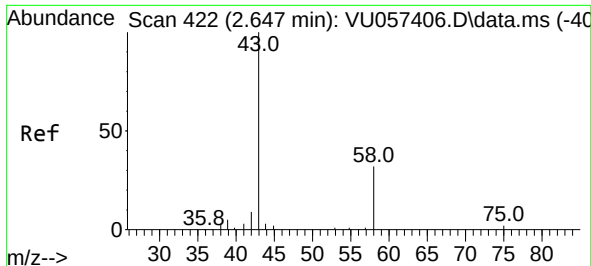
Tgt Ion:101 Resp: 97218
 Ion Ratio Lower Upper
 101 100
 85 45.4 37.0 55.4
 151 76.2 63.7 95.5



#12
 1,1-Dichloroethene
 Concen: 50.394 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.003 min
 Lab File: VU057427.D
 Acq: 09 Jan 2024 09:35

Tgt Ion: 96 Resp: 89289
 Ion Ratio Lower Upper
 96 100
 61 170.8 128.3 238.3
 63 116.4 90.4 168.0





#13

Acetone

Concen: 229.793 ug/L

RT: 2.647 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

Instrument :

MSVOA_U

ClientSampleId :

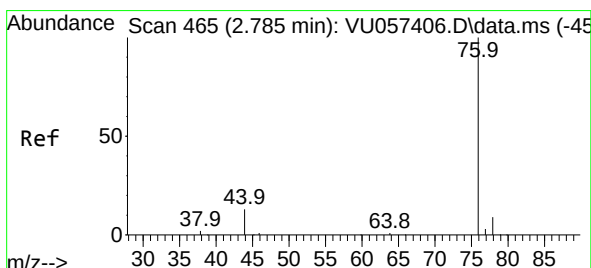
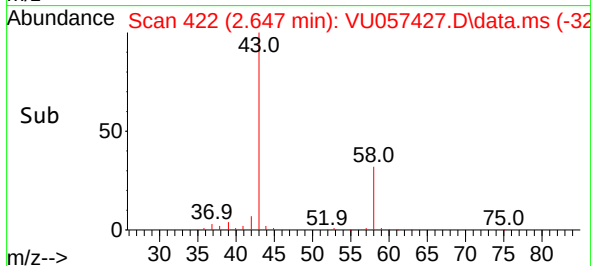
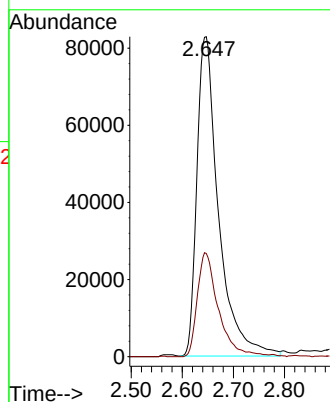
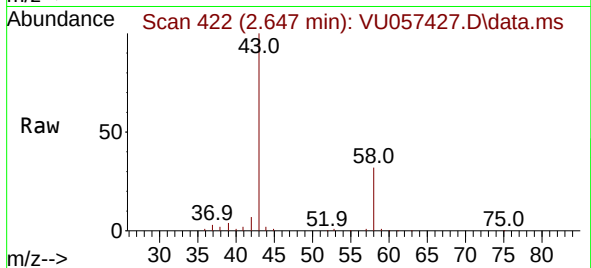
YCH89MS

Tgt Ion: 43 Resp: 244039

Ion Ratio Lower Upper

43 100

58 30.7 0.0 65.2



#14

Carbon disulfide

Concen: 47.664 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.000 min

Lab File: VU057427.D

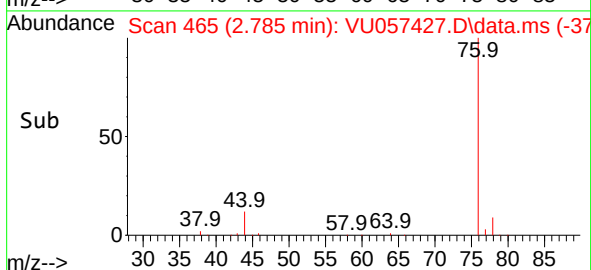
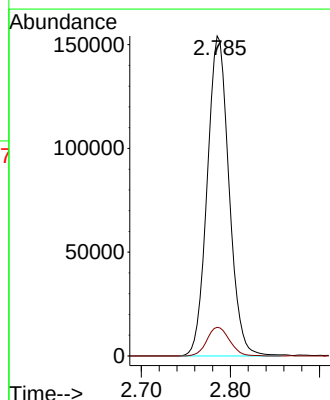
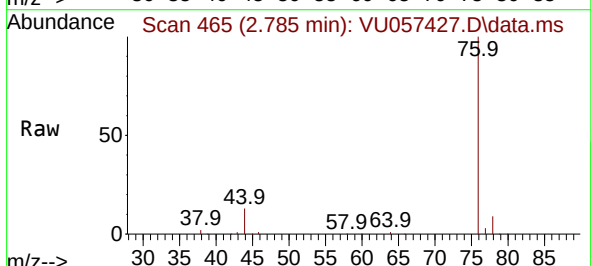
Acq: 09 Jan 2024 09:35

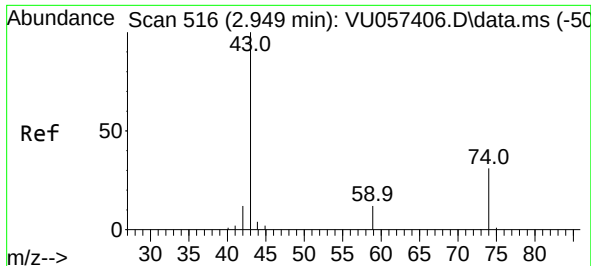
Tgt Ion: 76 Resp: 261572

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

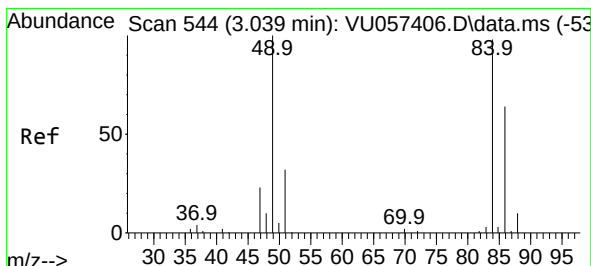
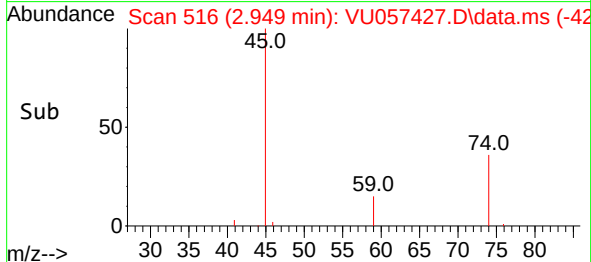
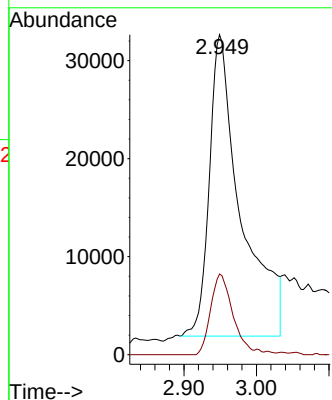
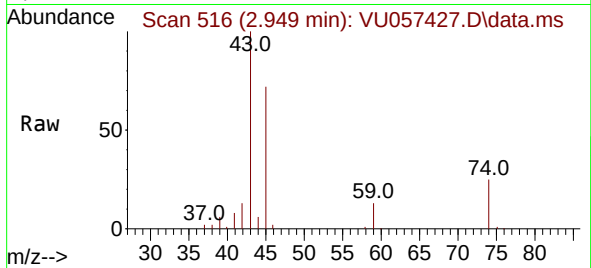




#15
Methyl Acetate
Concen: 66.974 ug/L
RT: 2.949 min Scan# 516
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

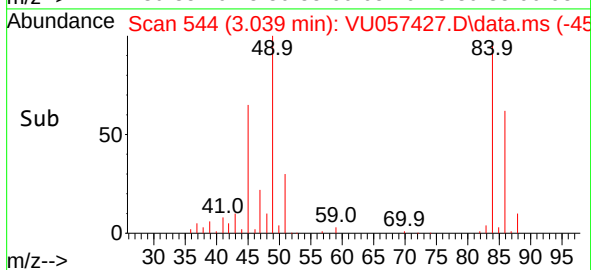
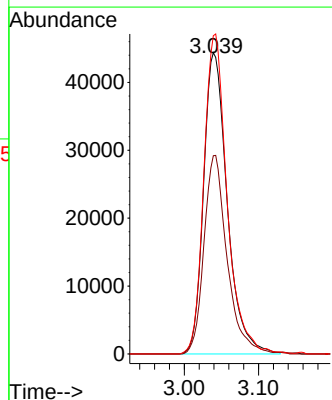
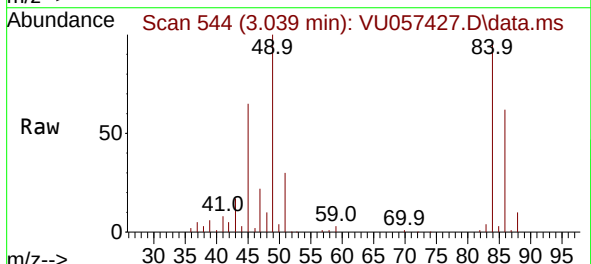
Instrument :
MSVOA_U
ClientSampleId :
YCH89MS

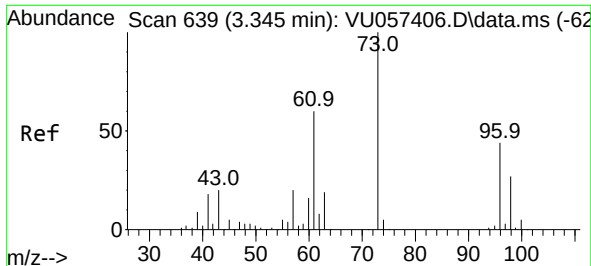
Tgt Ion: 43 Resp: 92787
Ion Ratio Lower Upper
43 100
74 18.6 24.6 36.8#



#16
Methylene chloride
Concen: 48.845 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

Tgt Ion: 84 Resp: 98399
Ion Ratio Lower Upper
84 100
86 65.8 44.3 82.3
49 105.7 72.2 134.2



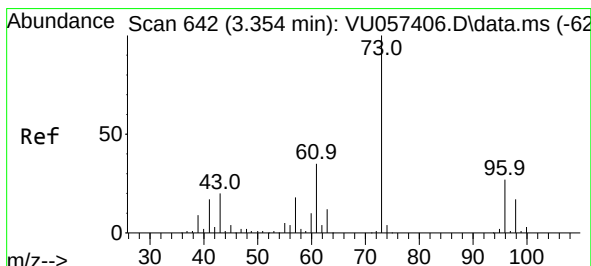
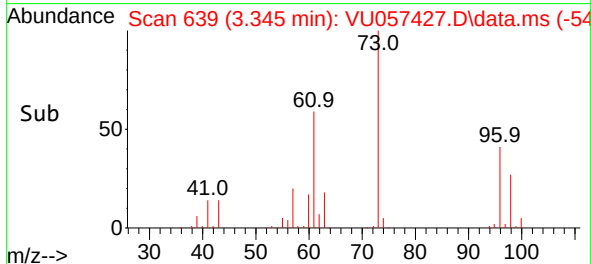
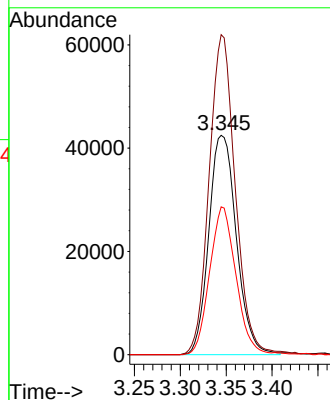
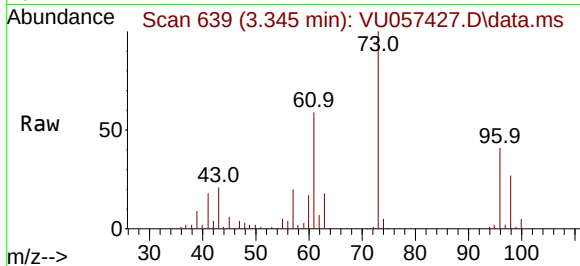


#17
 trans-1,2-Dichloroethene
 Concen: 49.080 ug/L
 RT: 3.345 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VU057427.D
 Acq: 09 Jan 2024 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 YCH89MS

Tgt Ion: 96 Resp: 88963

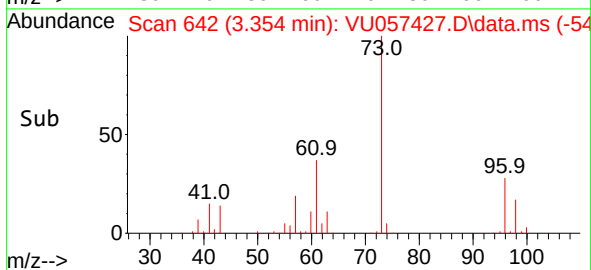
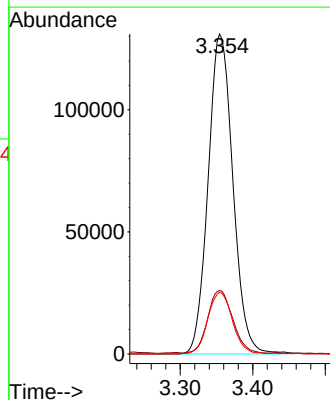
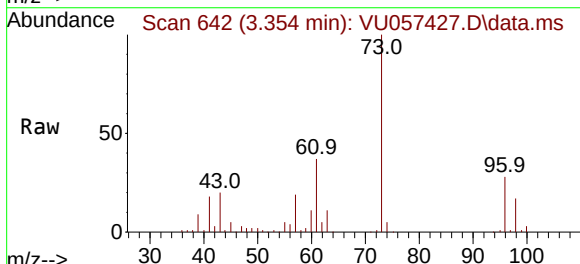
Ion	Ratio	Lower	Upper
96	100		
61	145.8	93.9	174.5
98	67.4	44.8	83.2

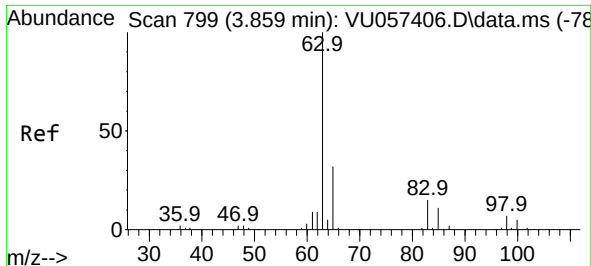


#18
 Methyl tert-butyl Ether
 Concen: 53.577 ug/L
 RT: 3.354 min Scan# 642
 Delta R.T. -0.000 min
 Lab File: VU057427.D
 Acq: 09 Jan 2024 09:35

Tgt Ion: 73 Resp: 310854

Ion	Ratio	Lower	Upper
73	100		
43	19.9	16.3	24.5
57	19.1	15.0	22.6





#19

1,1-Dichloroethane

Concen: 52.025 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

Instrument :

MSVOA_U

ClientSampleId :

YCH89MS

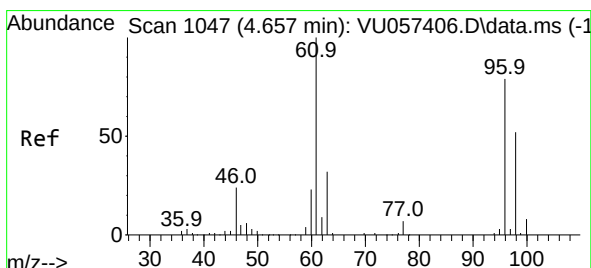
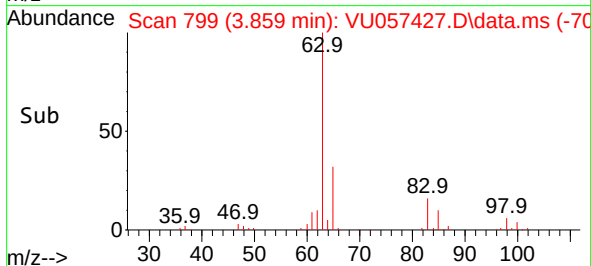
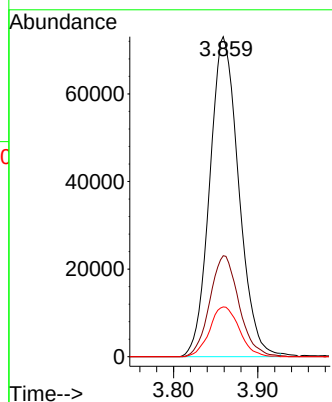
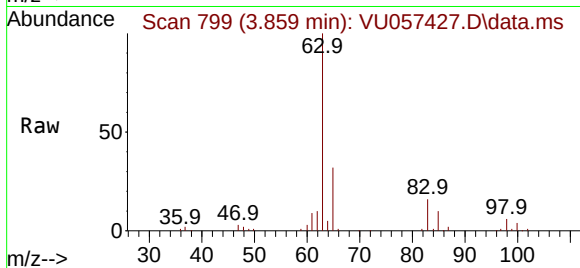
Tgt Ion: 63 Resp: 174583

Ion Ratio Lower Upper

63 100

65 31.6 22.4 41.6

83 15.5 11.3 21.1



#20

cis-1,2-Dichloroethene

Concen: 52.594 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

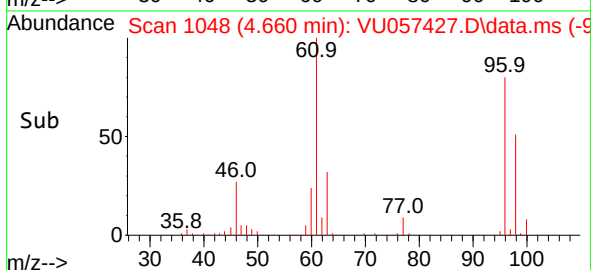
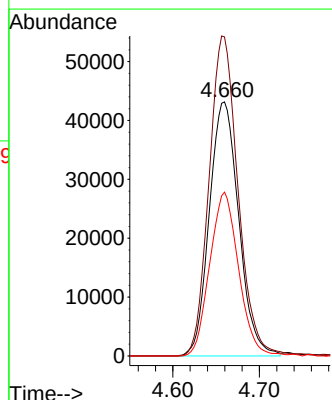
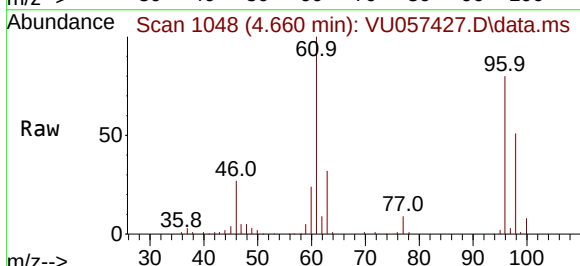
Tgt Ion: 96 Resp: 101977

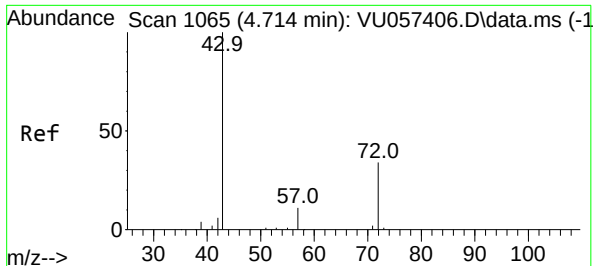
Ion Ratio Lower Upper

96 100

61 125.6 88.0 163.4

98 64.5 43.4 80.6





#22

2-Butanone

Concen: 115.999 ug/L

RT: 4.711 min Scan# 1064

Delta R.T. -0.003 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

Instrument :

MSVOA_U

ClientSampleId :

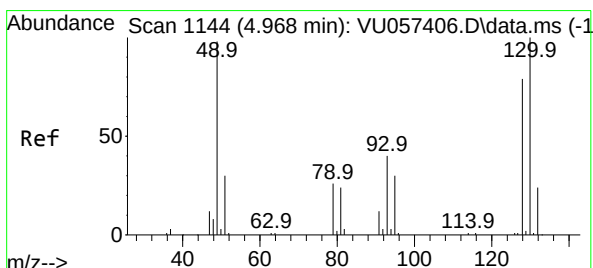
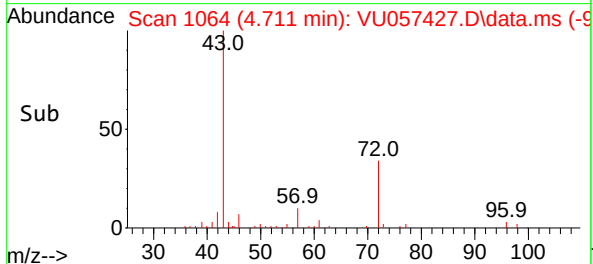
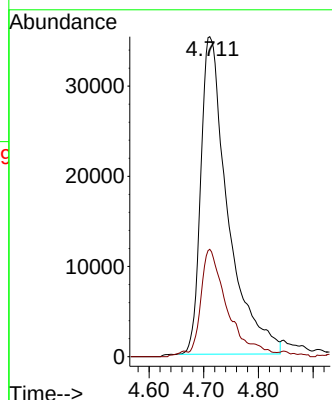
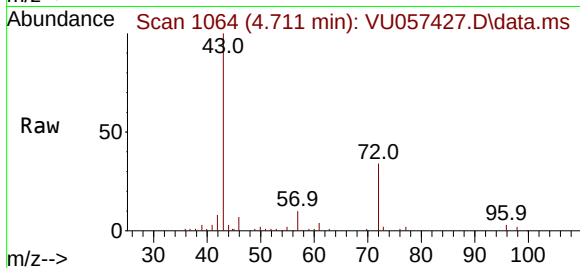
YCH89MS

Tgt Ion: 43 Resp: 121383

Ion Ratio Lower Upper

43 100

72 28.6 15.2 45.6



#23

Bromochloromethane

Concen: 48.821 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. -0.003 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

Tgt Ion:128 Resp: 54339

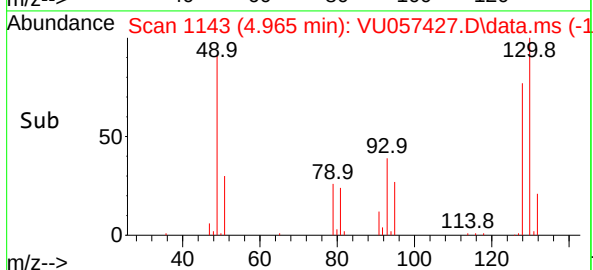
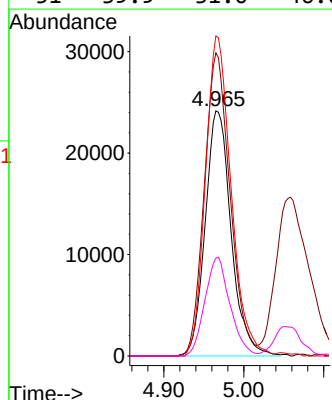
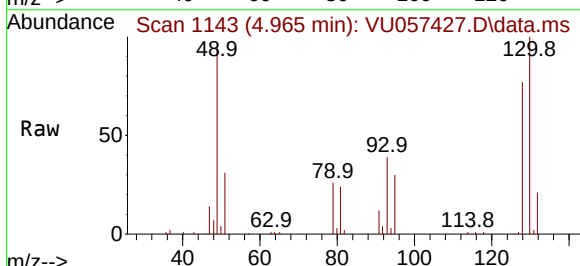
Ion Ratio Lower Upper

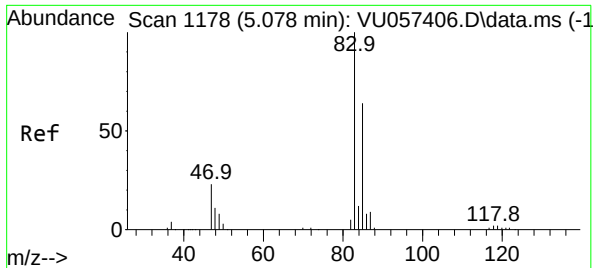
128 100

49 123.6 83.4 154.8

130 130.5 87.6 162.6

51 39.9 31.0 46.6





#25

Chloroform

Concen: 48.860 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

Instrument :

MSVOA_U

ClientSampleId :

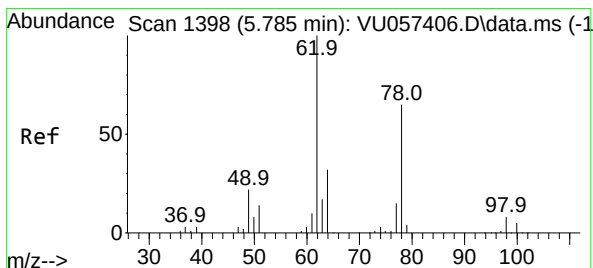
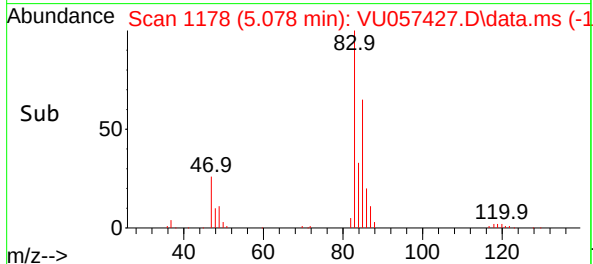
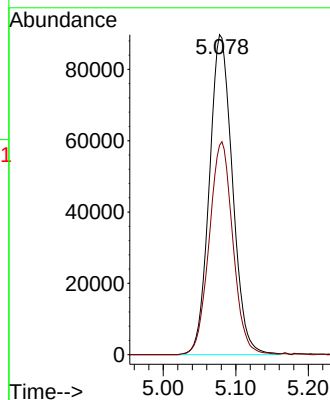
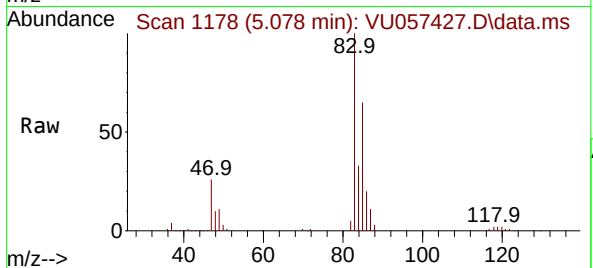
YCH89MS

Tgt Ion: 83 Resp: 198986

Ion Ratio Lower Upper

83 100

85 65.5 45.5 84.5



#27

1,2-Dichloroethane

Concen: 49.100 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU057427.D

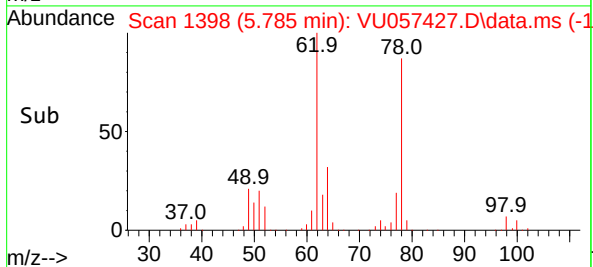
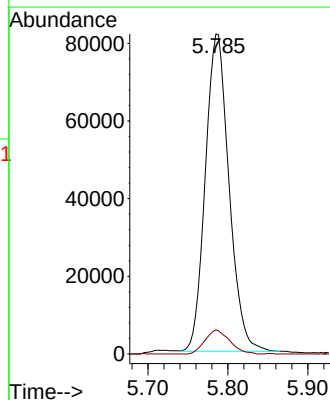
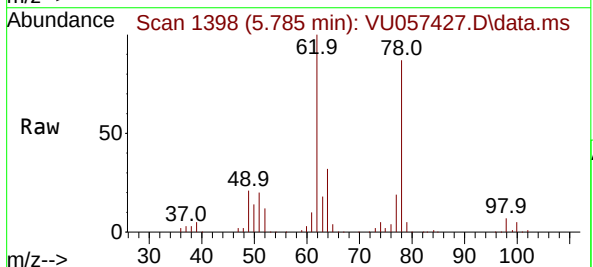
Acq: 09 Jan 2024 09:35

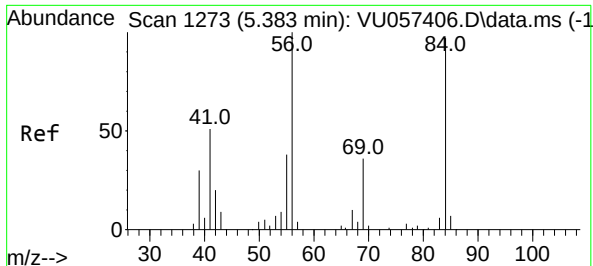
Tgt Ion: 62 Resp: 168438

Ion Ratio Lower Upper

62 100

98 7.5 6.1 9.1





#29

Cyclohexane

Concen: 52.964 ug/L

RT: 5.380 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

Instrument :

MSVOA_U

ClientSampleId :

YCH89MS

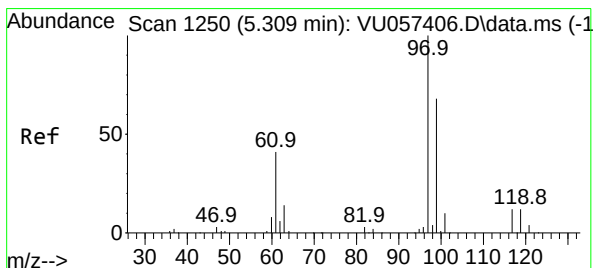
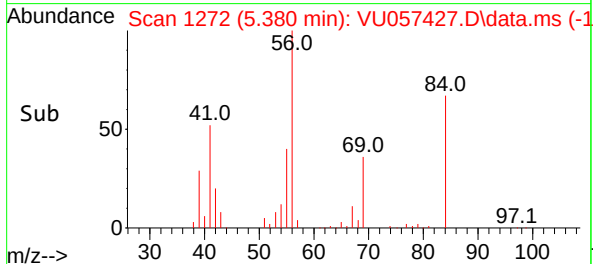
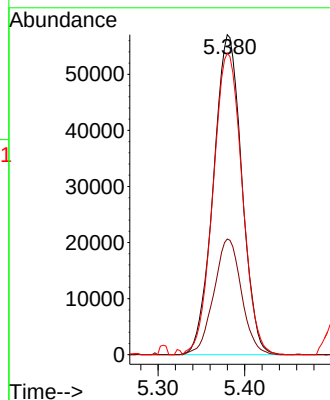
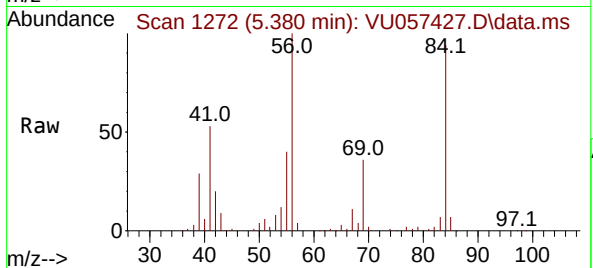
Tgt Ion: 56 Resp: 129838

Ion Ratio Lower Upper

56 100

69 35.2 27.8 41.8

84 96.6 79.3 118.9



#30

1,1,1-Trichloroethane

Concen: 49.322 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. -0.003 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

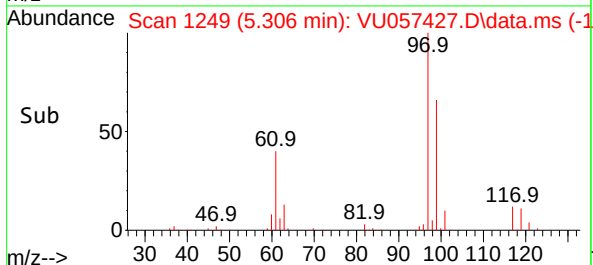
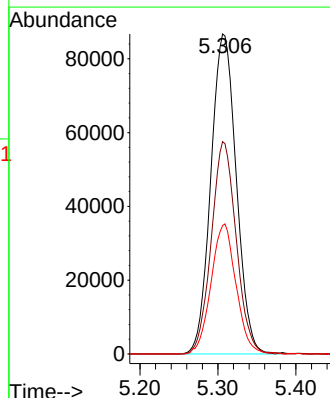
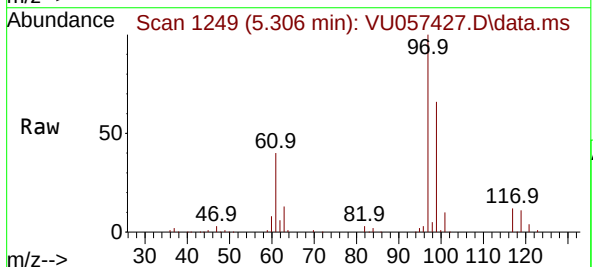
Tgt Ion: 97 Resp: 196627

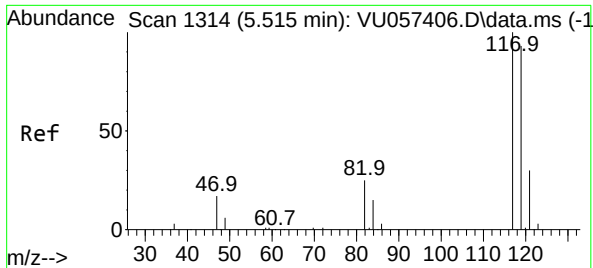
Ion Ratio Lower Upper

97 100

99 64.9 52.1 78.1

61 39.8 31.9 47.9

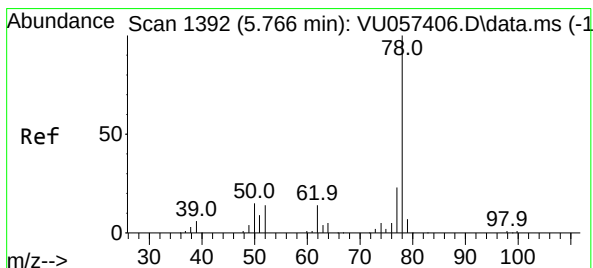
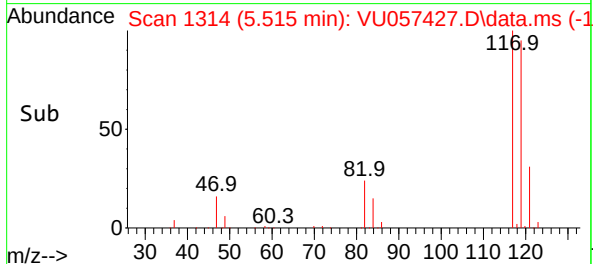
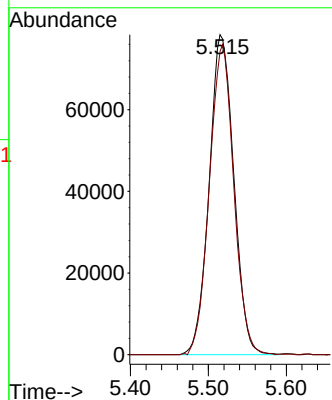
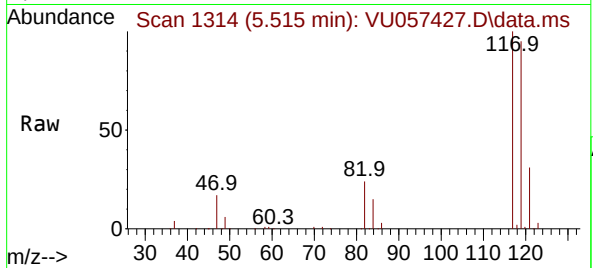




#31
Carbon tetrachloride
Concen: 48.685 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

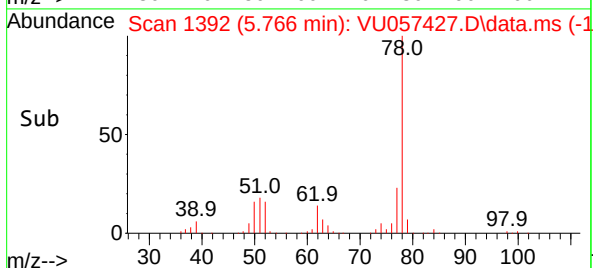
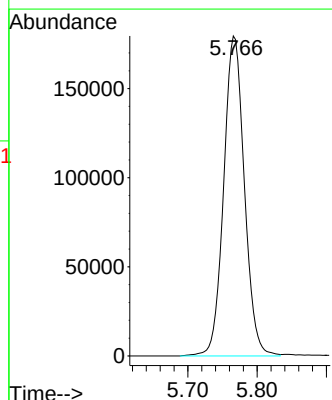
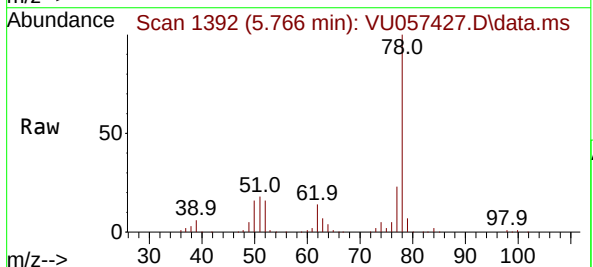
Instrument :
MSVOA_U
ClientSampleId :
YCH89MS

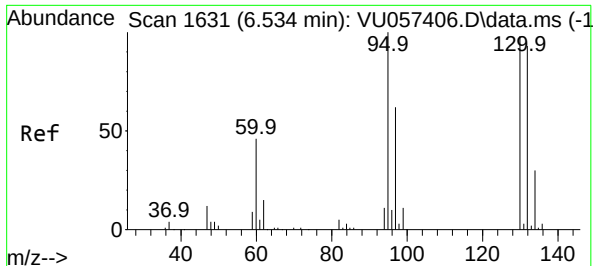
Tgt Ion:117 Resp: 172141
Ion Ratio Lower Upper
117 100
119 95.8 76.5 114.7



#33
Benzene
Concen: 51.262 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

Tgt Ion: 78 Resp: 373274

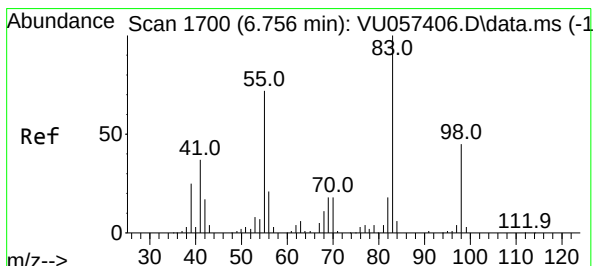
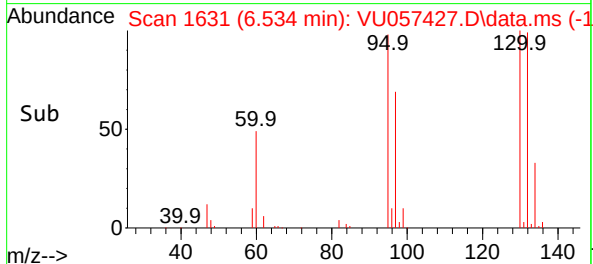
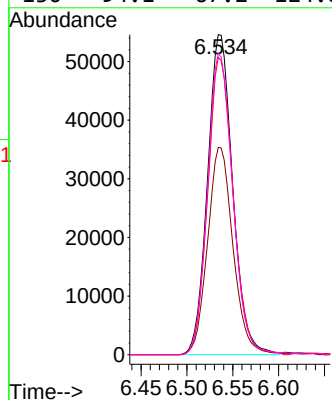
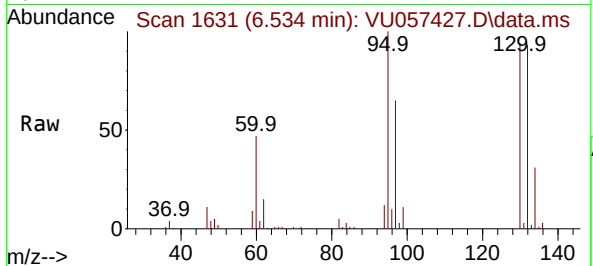




#34
Trichloroethene
Concen: 49.120 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

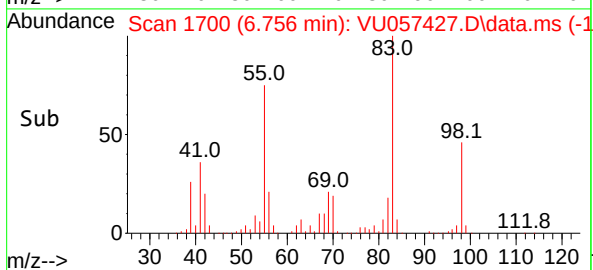
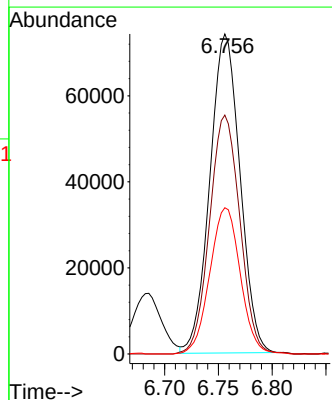
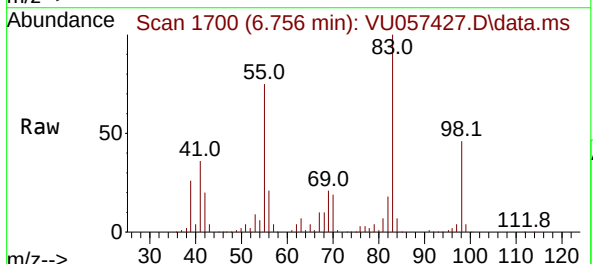
Instrument :
MSVOA_U
ClientSampleId :
YCH89MS

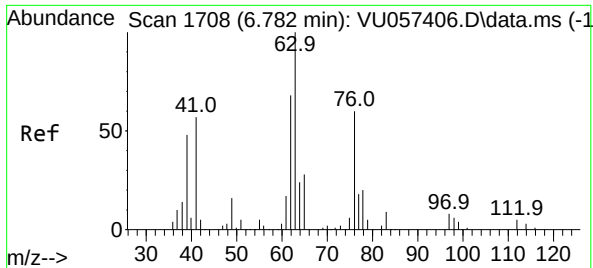
Tgt Ion: 95 Resp: 104426
Ion Ratio Lower Upper
95 100
97 64.8 46.2 85.8
132 92.9 64.3 119.5
130 94.1 67.2 124.8



#35
Methylcyclohexane
Concen: 50.004 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

Tgt Ion: 83 Resp: 144630
Ion Ratio Lower Upper
83 100
55 75.3 58.0 87.0
98 46.4 36.6 55.0





#37

1,2-Dichloropropane

Concen: 49.907 ug/L

RT: 6.782 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

Instrument :

MSVOA_U

ClientSampleId :

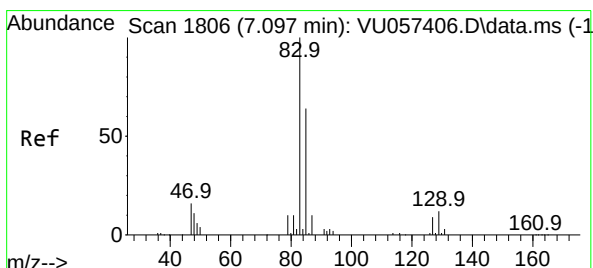
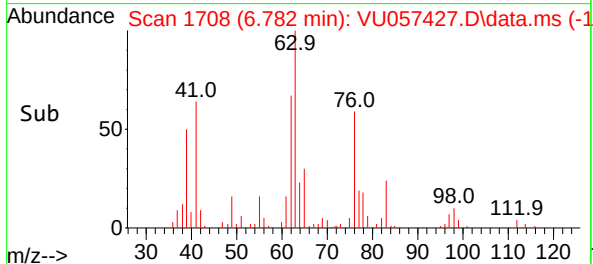
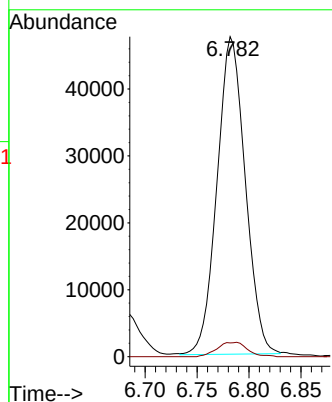
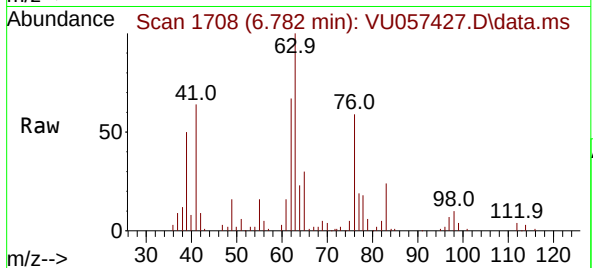
YCH89MS

Tgt Ion: 63 Resp: 89678

Ion Ratio Lower Upper

63 100

112 2.4 3.8 5.8#



#38

Bromodichloromethane

Concen: 49.456 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

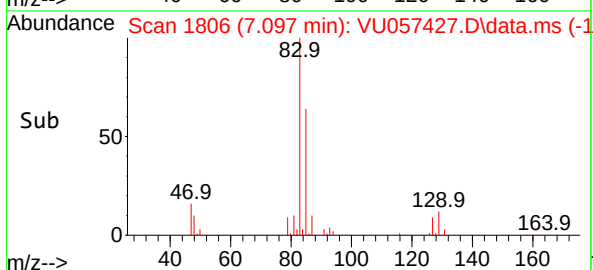
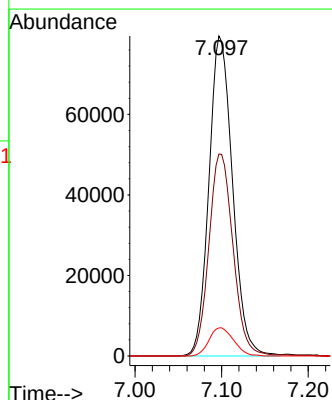
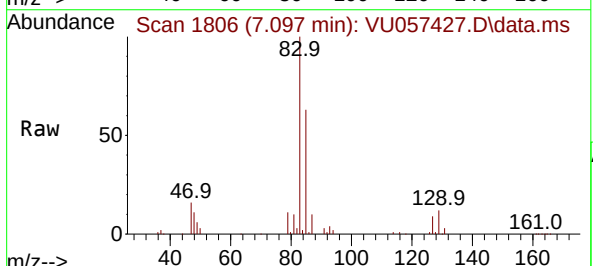
Tgt Ion: 83 Resp: 150544

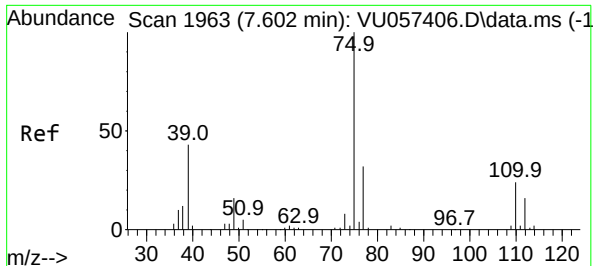
Ion Ratio Lower Upper

83 100

85 63.1 44.7 83.1

127 8.8 7.7 11.5





#39

cis-1,3-Dichloropropene

Concen: 47.717 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

Instrument :

MSVOA_U

ClientSampleId :

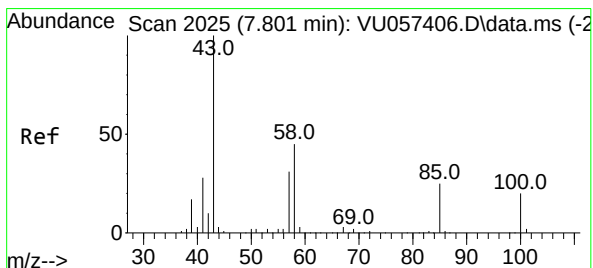
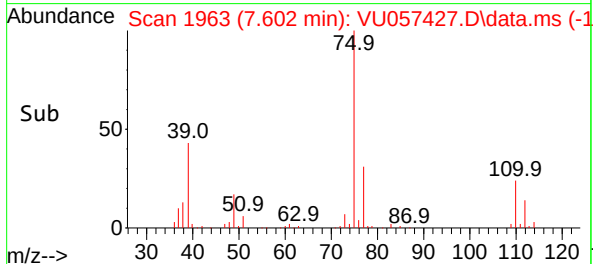
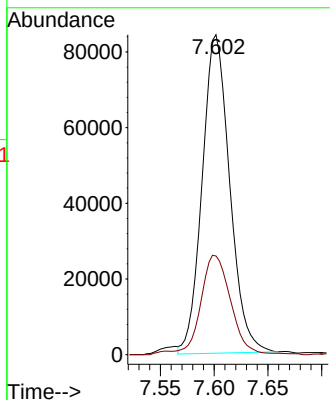
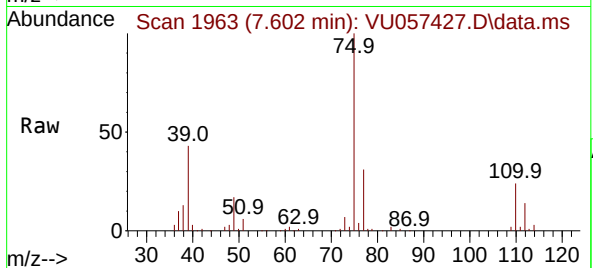
YCH89MS

Tgt Ion: 75 Resp: 150142

Ion Ratio Lower Upper

75 100

77 30.9 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 112.686 ug/L

RT: 7.804 min Scan# 2026

Delta R.T. 0.003 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

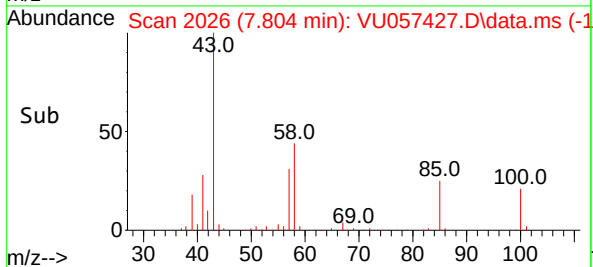
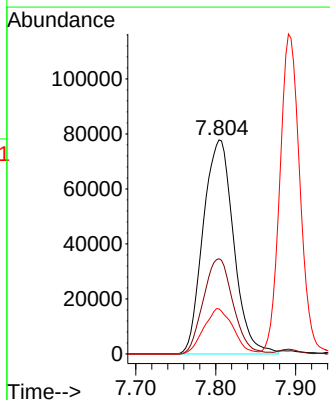
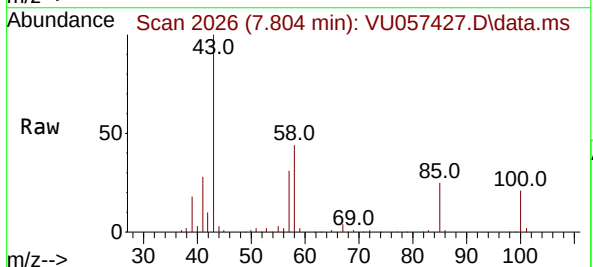
Tgt Ion: 43 Resp: 206314

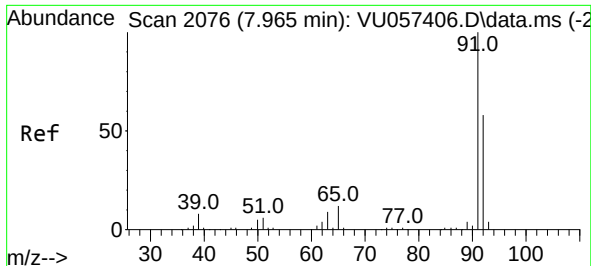
Ion Ratio Lower Upper

43 100

58 43.2 36.2 54.4

100 20.3 16.6 24.8





#42

Toluene

Concen: 52.552 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

Instrument :

MSVOA_U

ClientSampleId :

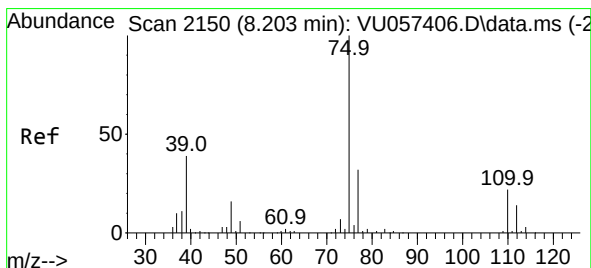
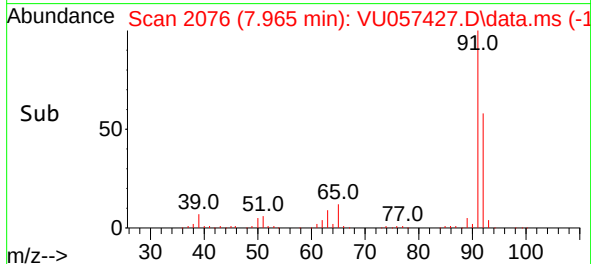
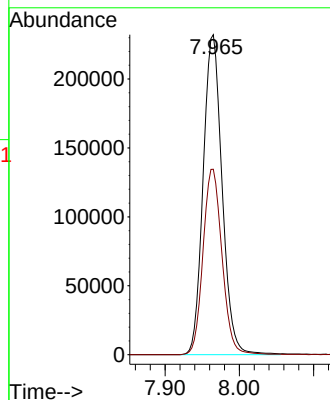
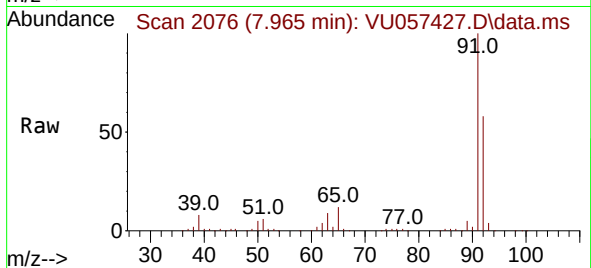
YCH89MS

Tgt Ion: 91 Resp: 411482

Ion Ratio Lower Upper

91 100

92 57.9 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 50.600 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU057427.D

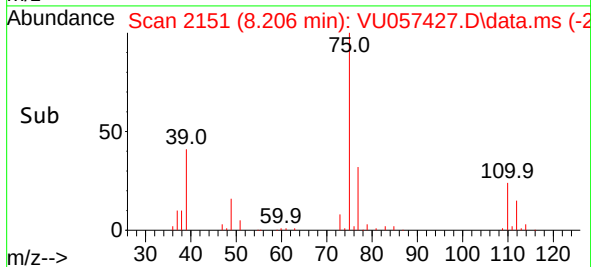
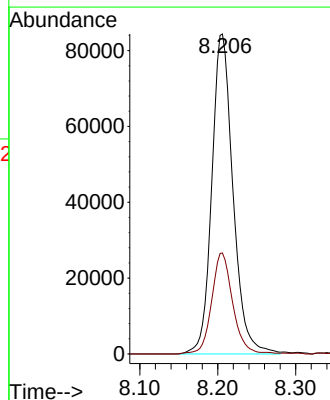
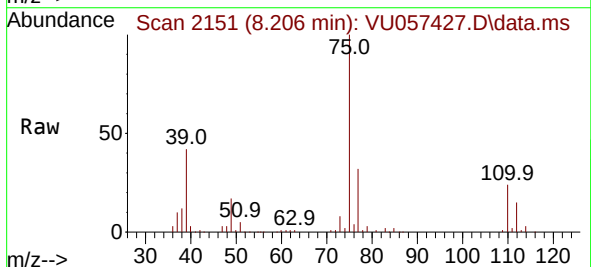
Acq: 09 Jan 2024 09:35

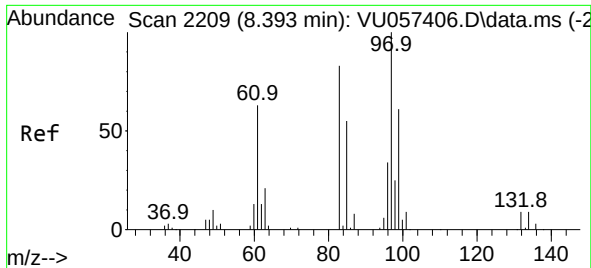
Tgt Ion: 75 Resp: 159842

Ion Ratio Lower Upper

75 100

77 31.6 21.3 39.5

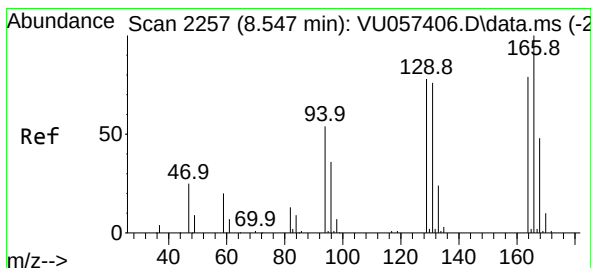
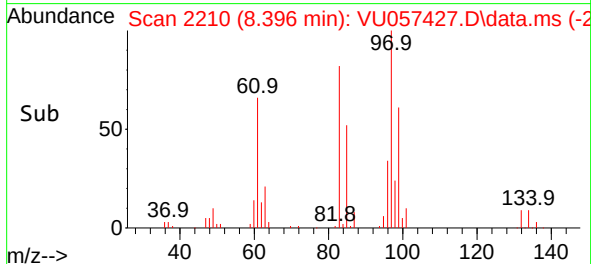
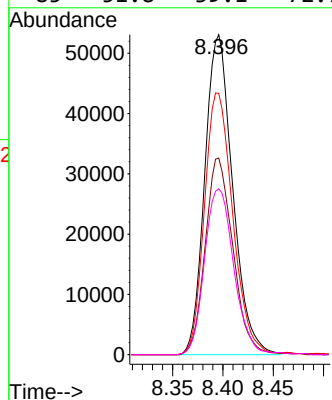
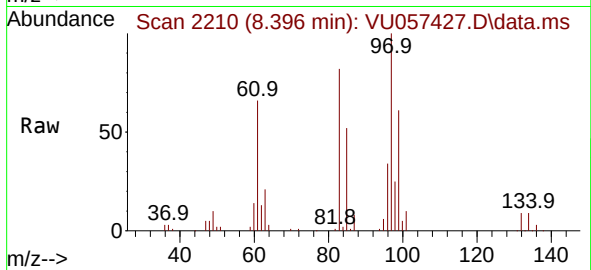




#45
1,1,2-Trichloroethane
Concen: 51.794 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.003 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

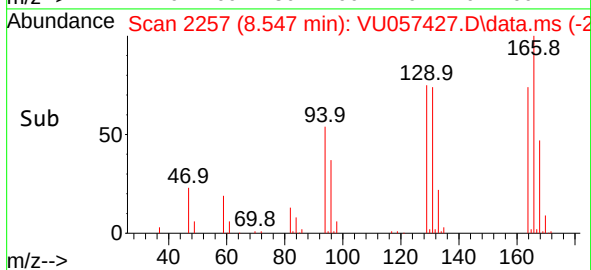
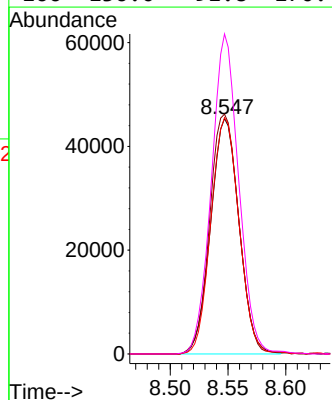
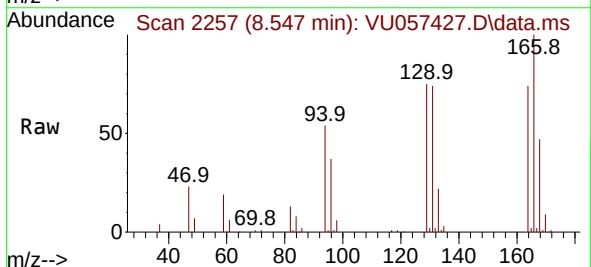
Instrument :
MSVOA_U
ClientSampleId :
YCH89MS

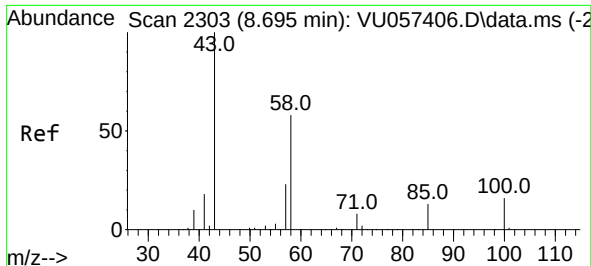
Tgt Ion:	97	Resp:	102404
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.3	80.5
83	81.6	56.9	105.7
85	51.8	39.1	72.7



#46
Tetrachloroethene
Concen: 48.341 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

Tgt Ion:	164	Resp:	77739
Ion	Ratio	Lower	Upper
164	100		
129	101.9	72.3	134.3
131	100.4	68.8	127.8
166	136.0	91.8	170.4

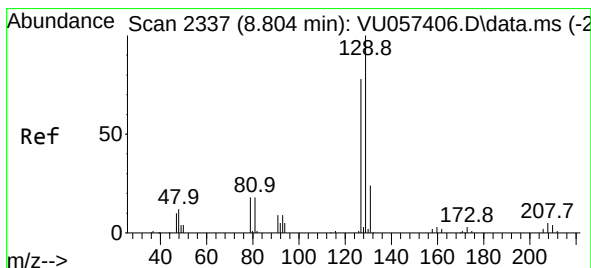
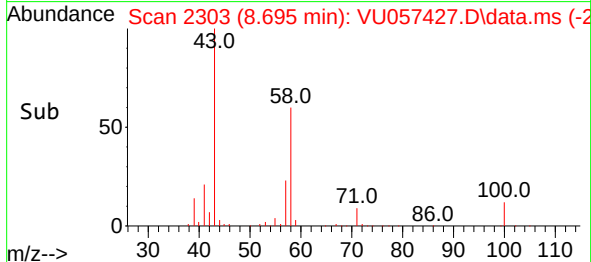
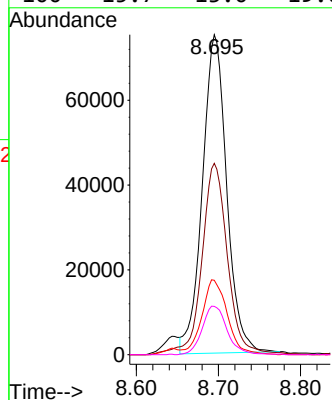
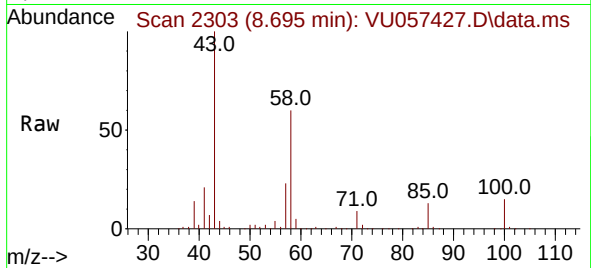




#48
2-Hexanone
Concen: 105.033 ug/L
RT: 8.695 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

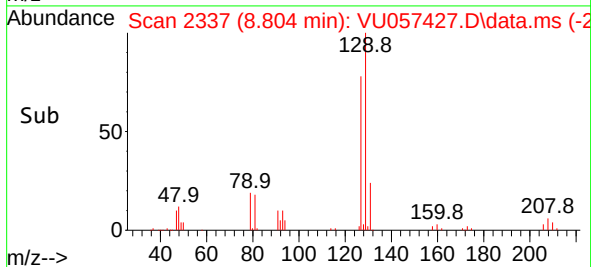
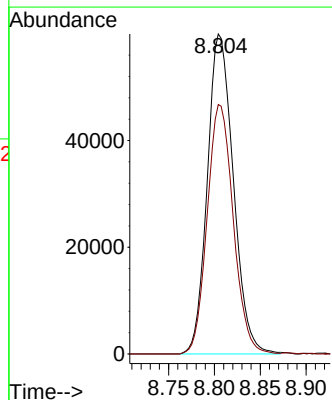
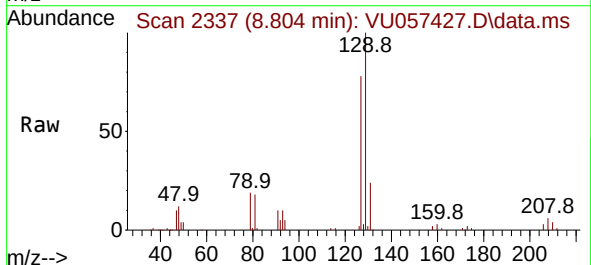
Instrument :
MSVOA_U
ClientSampleId :
YCH89MS

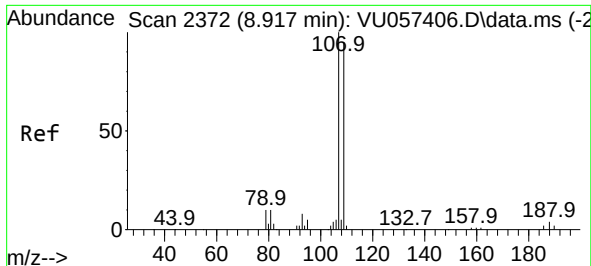
Tgt Ion:	43	Resp:	154713
Ion	Ratio	Lower	Upper
43	100		
58	63.2	49.4	74.2
57	24.6	19.1	28.7
100	15.7	13.0	19.6



#49
Dibromochloromethane
Concen: 49.150 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

Tgt Ion:	129	Resp:	118427
Ion	Ratio	Lower	Upper
129	100		
127	78.0	54.5	101.1





#50

1,2-Dibromoethane

Concen: 52.413 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

Instrument :

MSVOA_U

ClientSampleId :

YCH89MS

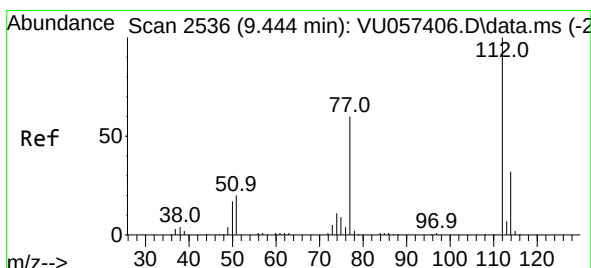
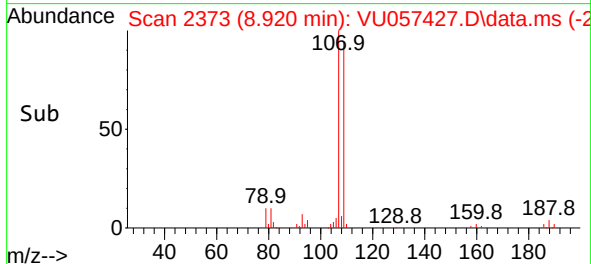
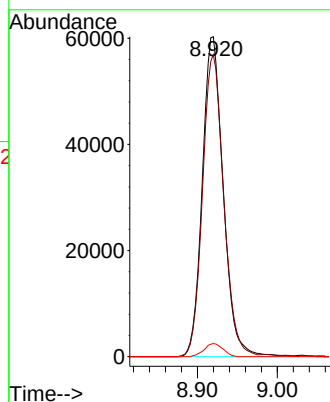
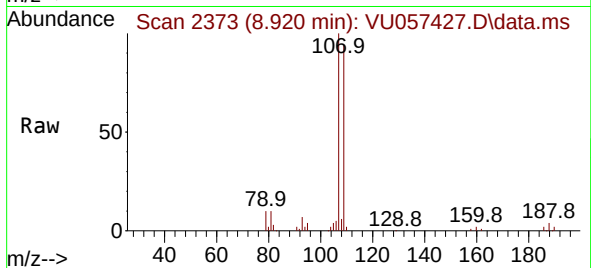
Tgt Ion:107 Resp: 109922

Ion Ratio Lower Upper

107 100

109 94.4 64.4 119.6

188 4.1 2.8 4.2



#51

Chlorobenzene

Concen: 50.576 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

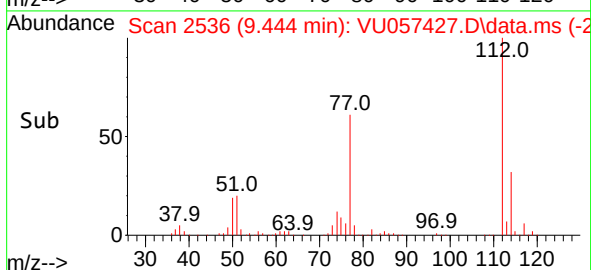
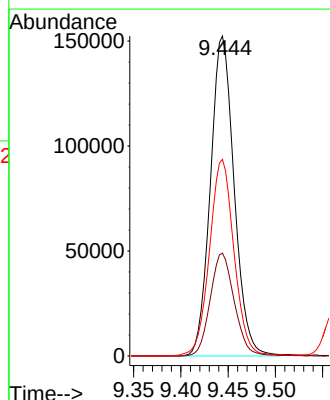
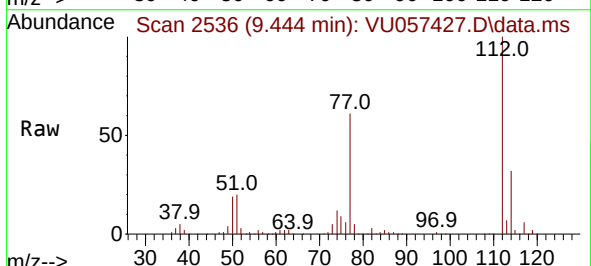
Tgt Ion:112 Resp: 266090

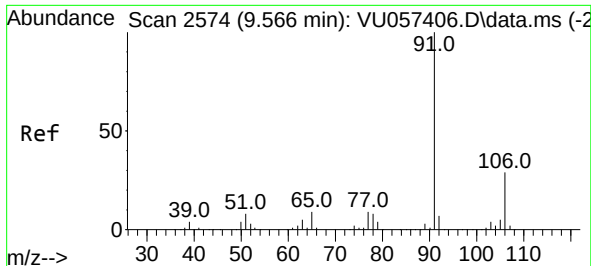
Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.7

77 61.5 50.1 75.1

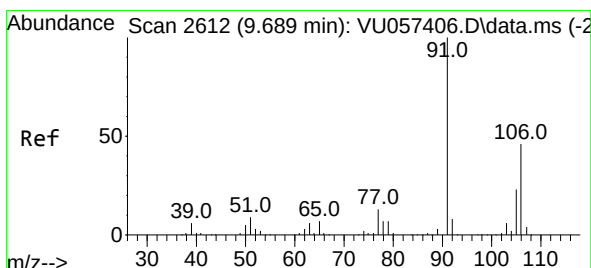
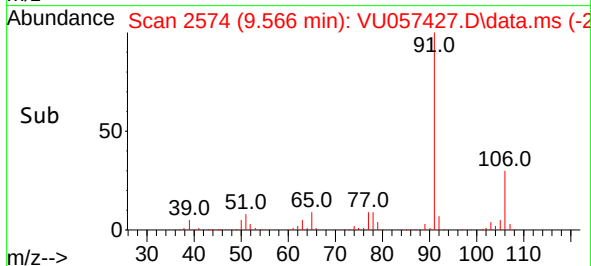
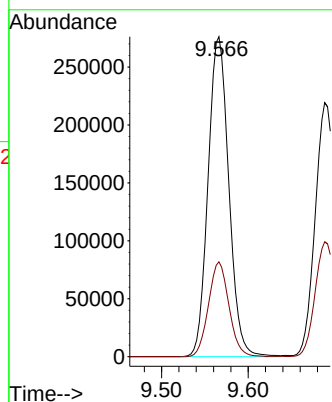
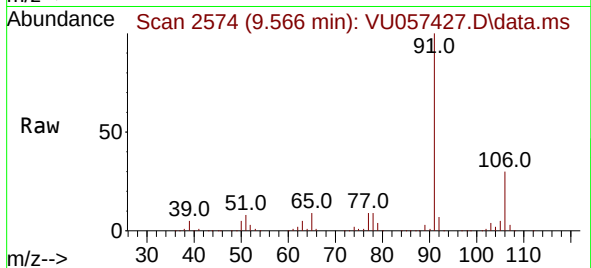




#52
Ethylbenzene
Concen: 52.684 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

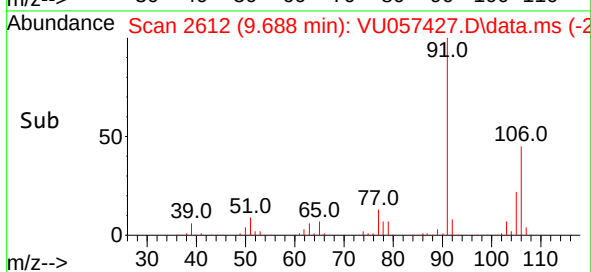
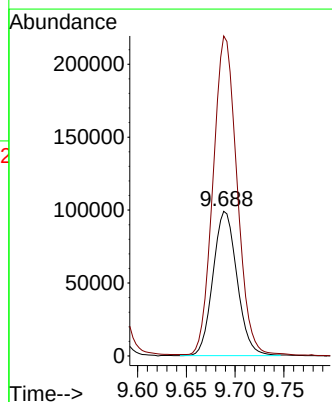
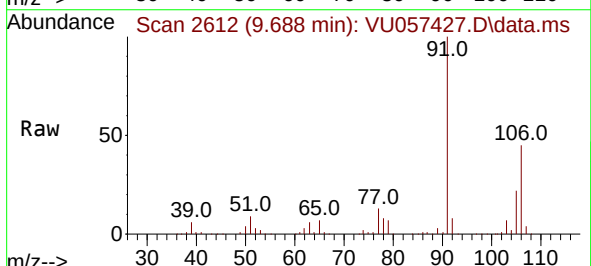
Instrument :
MSVOA_U
ClientSampleId :
YCH89MS

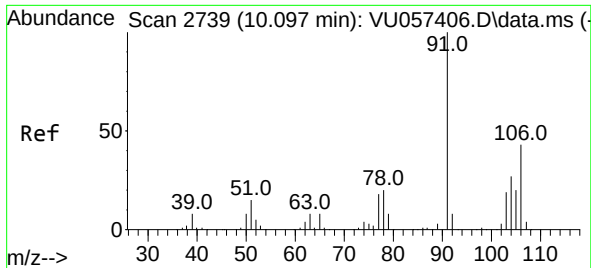
Tgt Ion: 91 Resp: 459363
Ion Ratio Lower Upper
91 100
106 29.7 21.0 39.0



#53
m,p-Xylene
Concen: 52.124 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

Tgt Ion: 106 Resp: 169890
Ion Ratio Lower Upper
106 100
91 221.1 151.8 281.8

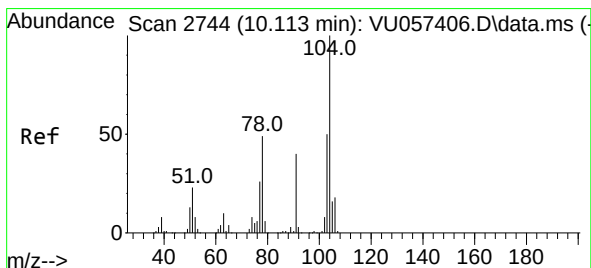
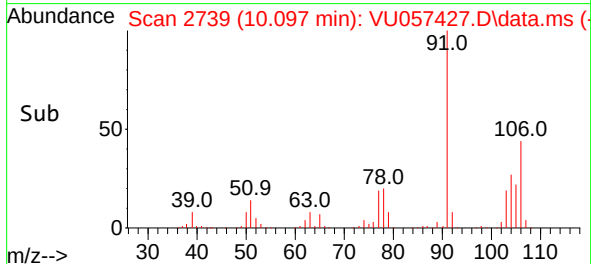
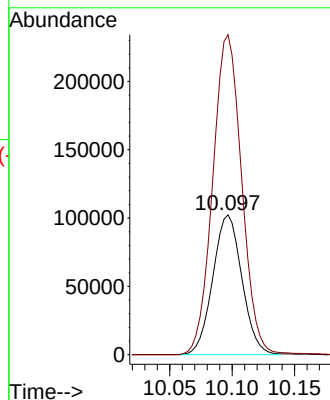
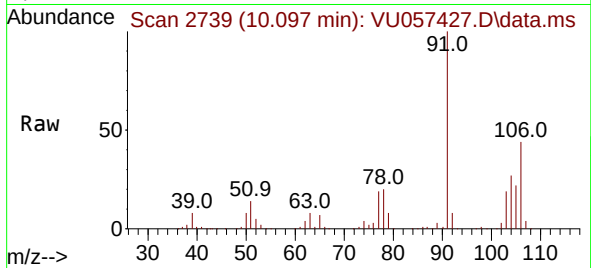




#54
o-Xylene
Concen: 52.280 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

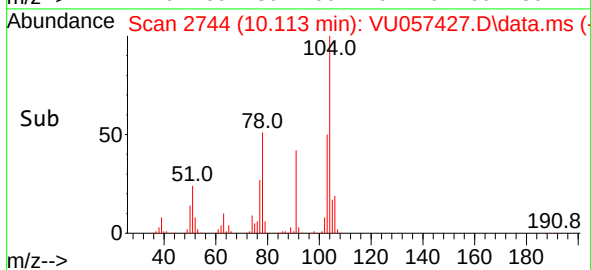
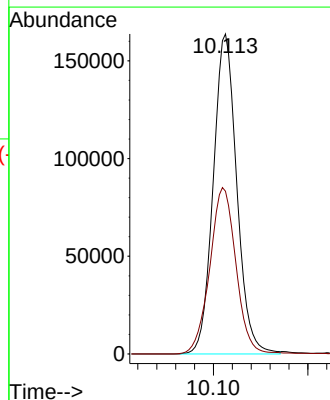
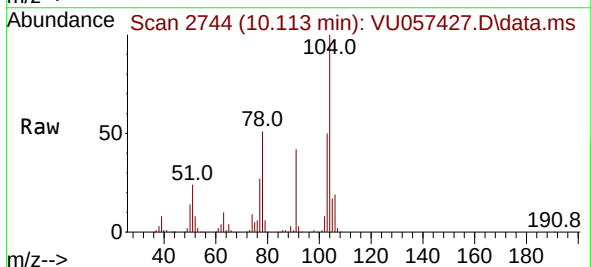
Instrument :
MSVOA_U
ClientSampleId :
YCH89MS

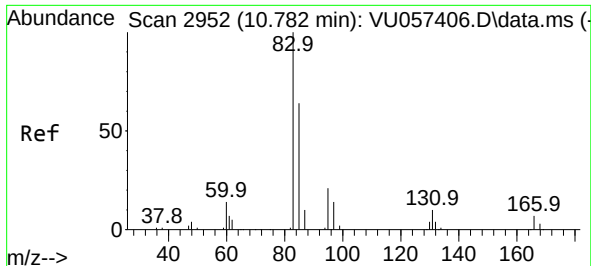
Tgt Ion:106 Resp: 166411
Ion Ratio Lower Upper
106 100
91 228.9 160.4 297.8



#55
Styrene
Concen: 52.566 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

Tgt Ion:104 Resp: 283337
Ion Ratio Lower Upper
104 100
78 50.9 35.8 66.6





#57

1,1,2,2-Tetrachloroethane

Concen: 49.987 ug/L

RT: 10.778 min Scan# 2952

Delta R.T. -0.003 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

Instrument :

MSVOA_U

ClientSampleId :

YCH89MS

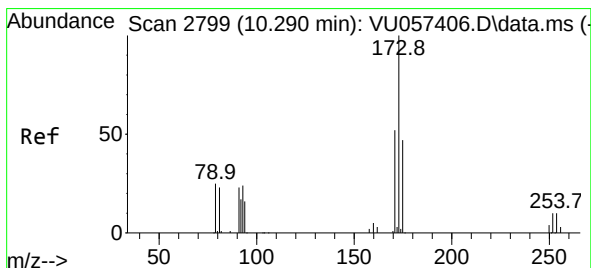
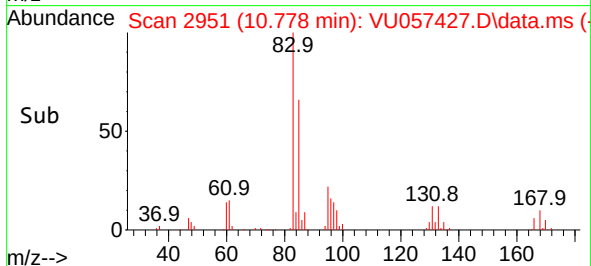
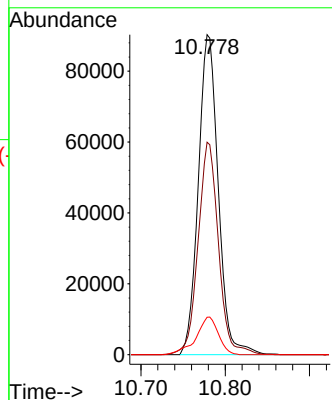
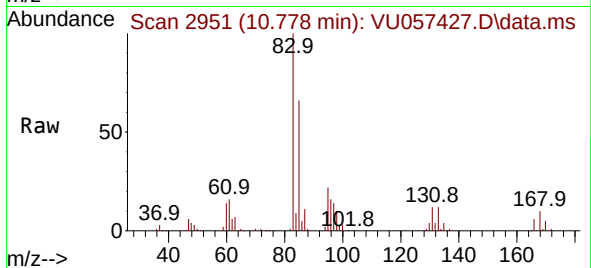
Tgt Ion: 83 Resp: 149024

Ion Ratio Lower Upper

83 100

85 66.4 47.9 88.9

131 11.7 9.8 14.8



#59

Bromoform

Concen: 50.750 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. -0.000 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

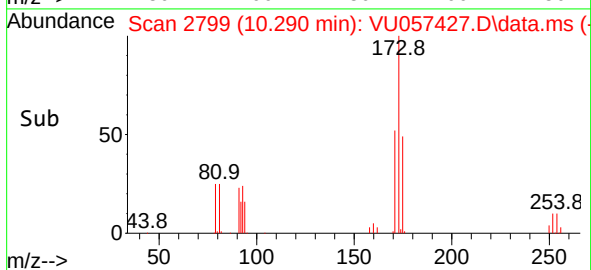
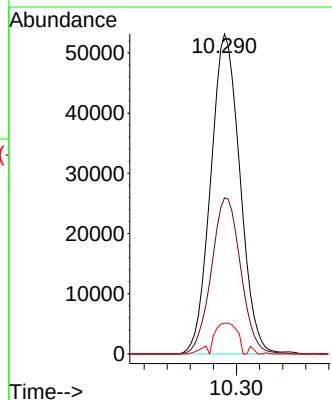
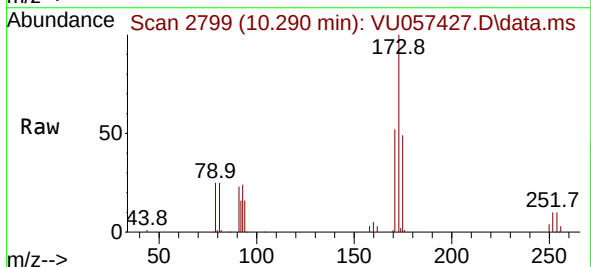
Tgt Ion:173 Resp: 93456

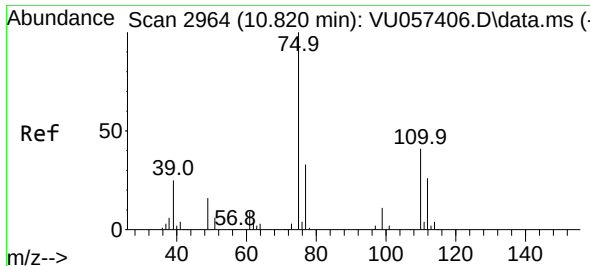
Ion Ratio Lower Upper

173 100

175 48.9 38.4 57.6

254 7.2 7.9 11.9#

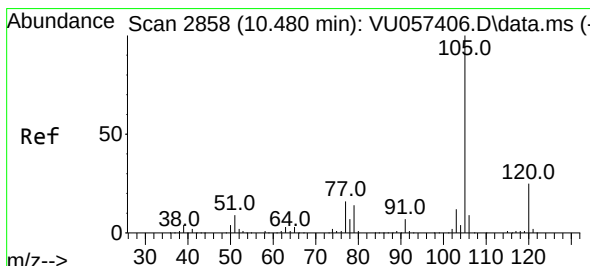
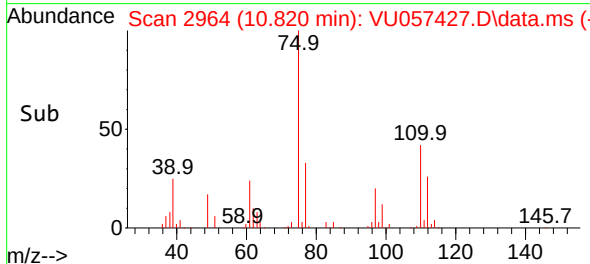
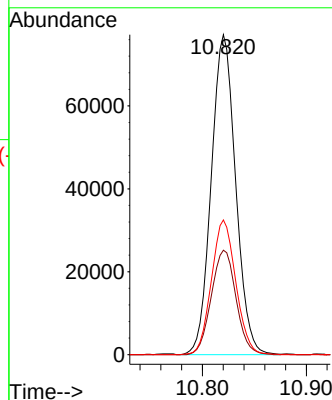
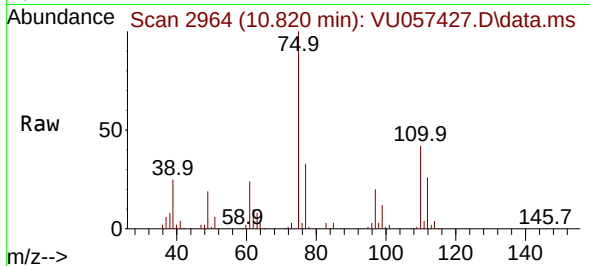




#60
1,2,3-Trichloropropane
Concen: 52.309 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

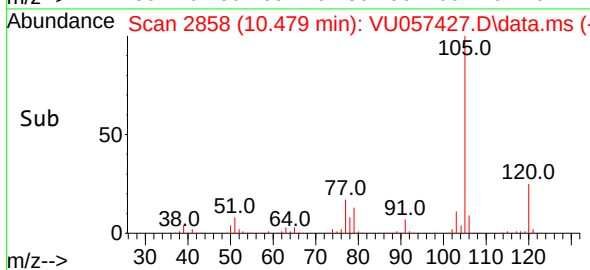
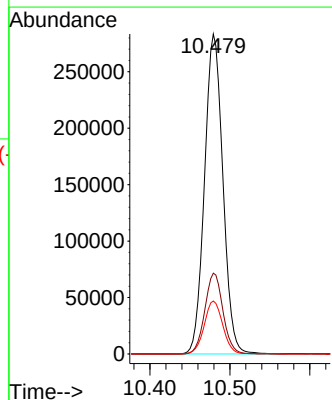
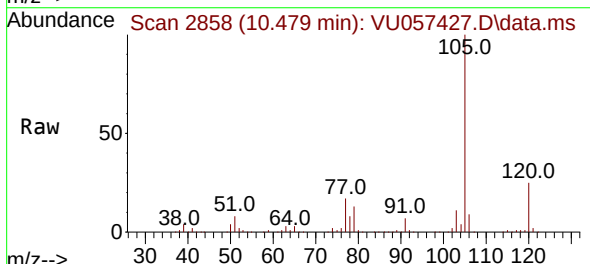
Instrument :
MSVOA_U
ClientSampleId :
YCH89MS

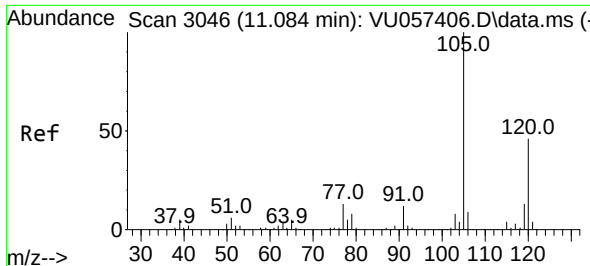
Tgt Ion: 75 Resp: 125834
Ion Ratio Lower Upper
75 100
77 33.1 26.0 39.0
110 42.1 33.6 50.4



#61
Isopropylbenzene
Concen: 54.613 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

Tgt Ion: 105 Resp: 454227
Ion Ratio Lower Upper
105 100
120 24.9 19.9 29.9
77 16.7 13.3 19.9

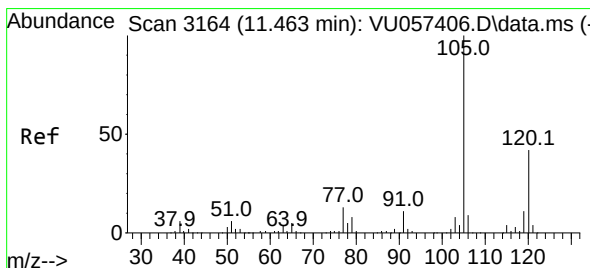
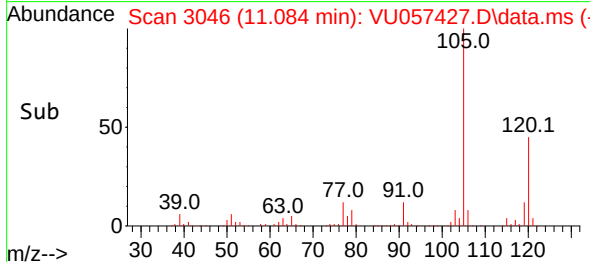
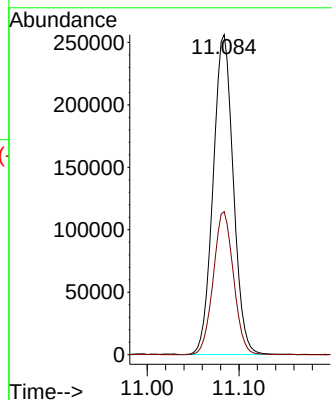
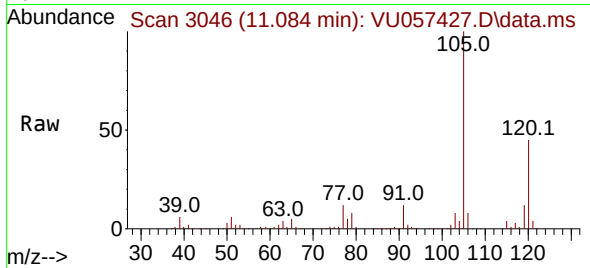




#62
1,3,5-Trimethylbenzene
Concen: 55.019 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

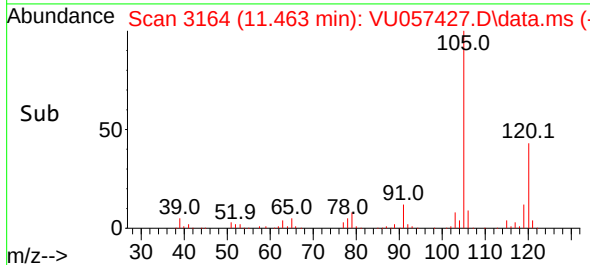
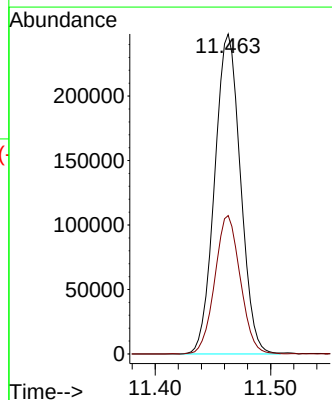
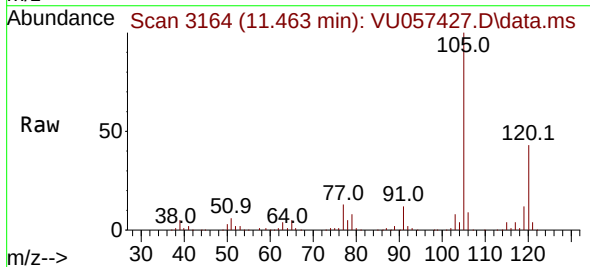
Instrument :
MSVOA_U
ClientSampleId :
YCH89MS

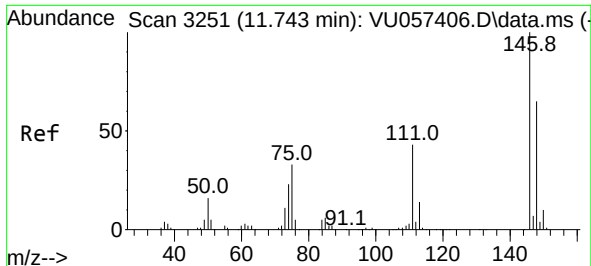
Tgt Ion:105 Resp: 391349
Ion Ratio Lower Upper
105 100
120 44.9 36.1 54.1



#63
1,2,4-Trimethylbenzene
Concen: 55.245 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

Tgt Ion:105 Resp: 385754
Ion Ratio Lower Upper
105 100
120 42.7 33.4 50.2

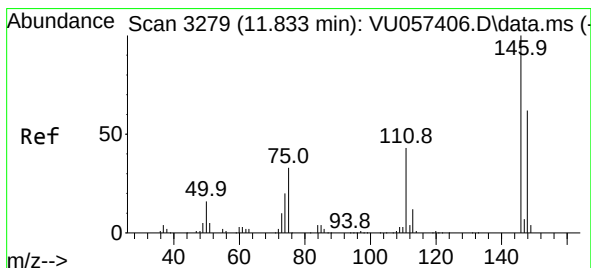
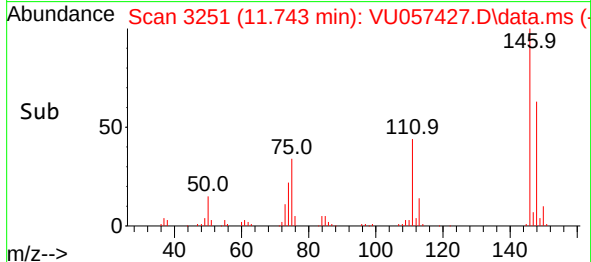
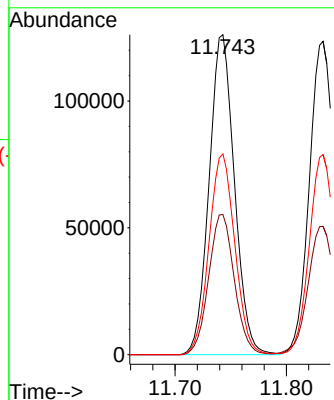
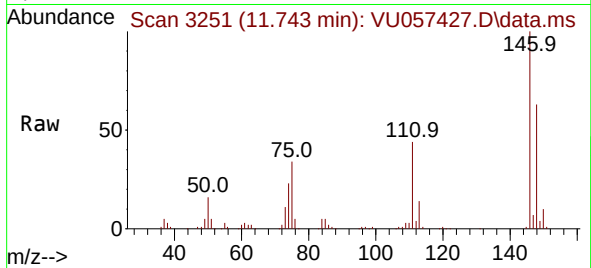




#64
1,3-Dichlorobenzene
Concen: 50.896 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

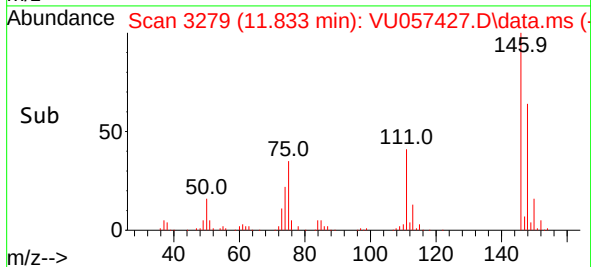
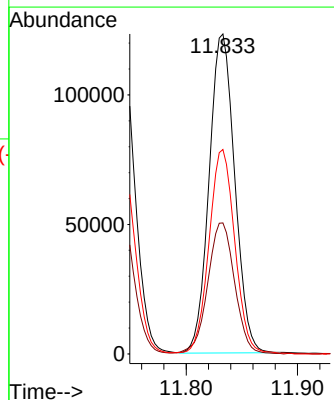
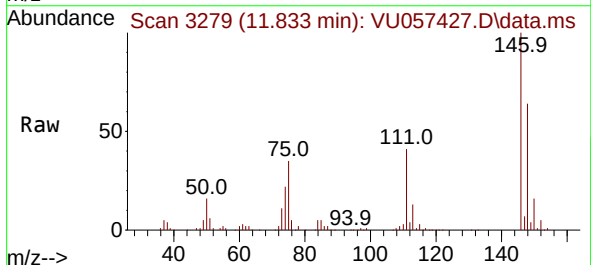
Instrument :
MSVOA_U
ClientSampleId :
YCH89MS

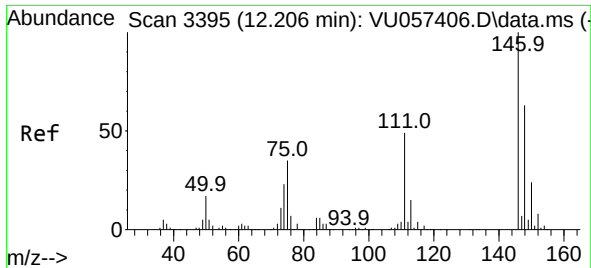
Tgt Ion:146 Resp: 199498
Ion Ratio Lower Upper
146 100
111 43.8 31.6 58.8
148 62.8 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 48.970 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

Tgt Ion:146 Resp: 197035
Ion Ratio Lower Upper
146 100
111 41.0 30.3 56.3
148 63.9 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 50.395 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

Instrument :

MSVOA_U

ClientSampleId :

YCH89MS

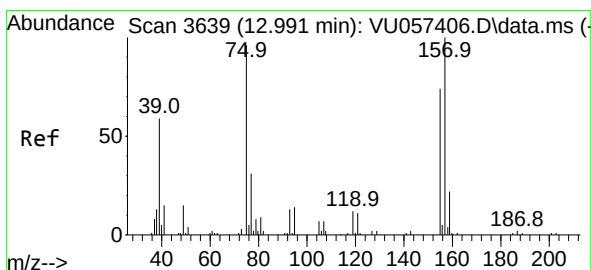
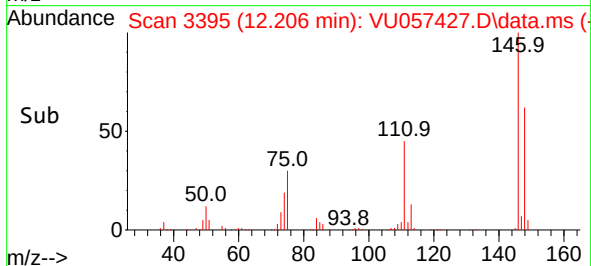
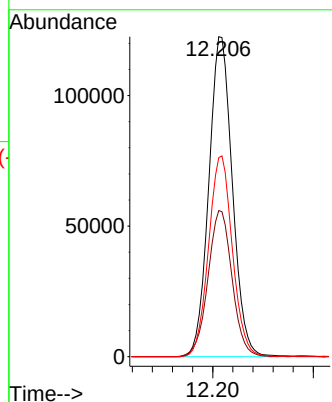
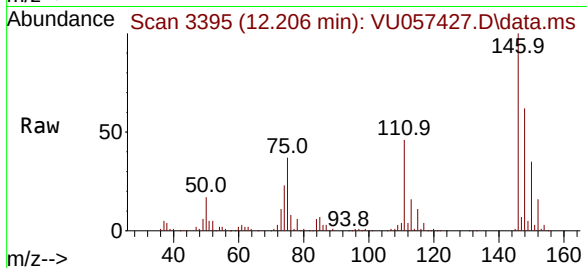
Tgt Ion:146 Resp: 199102

Ion Ratio Lower Upper

146 100

111 45.6 36.9 55.3

148 62.2 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 51.171 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

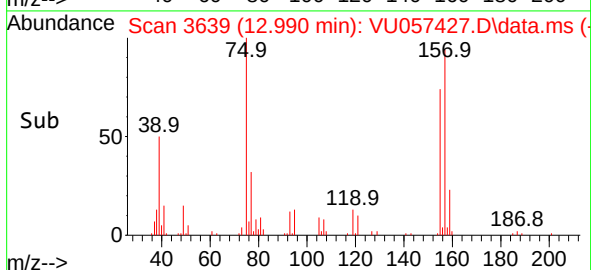
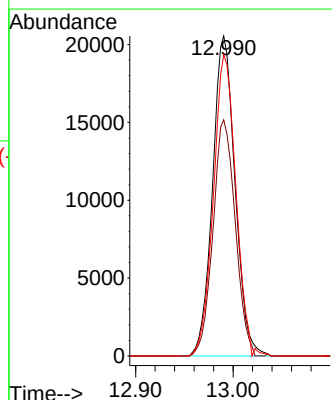
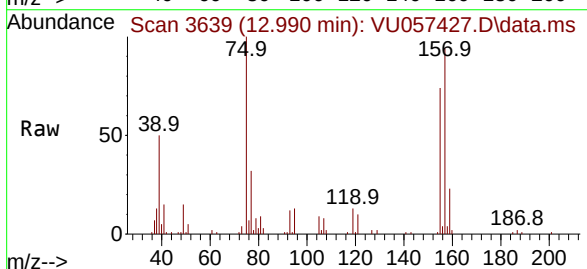
Tgt Ion: 75 Resp: 32869

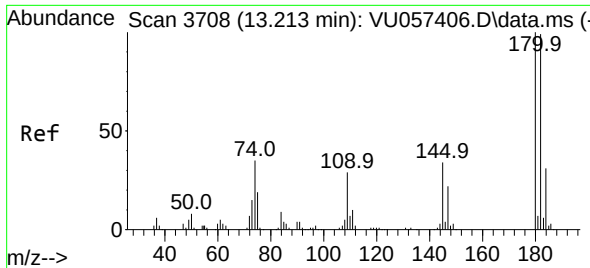
Ion Ratio Lower Upper

75 100

155 73.8 64.3 96.5

157 94.1 73.8 110.6





#69

1,3,5-Trichlorobenzene

Concen: 49.633 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

Instrument :

MSVOA_U

ClientSampleId :

YCH89MS

Tgt Ion:180 Resp: 139261

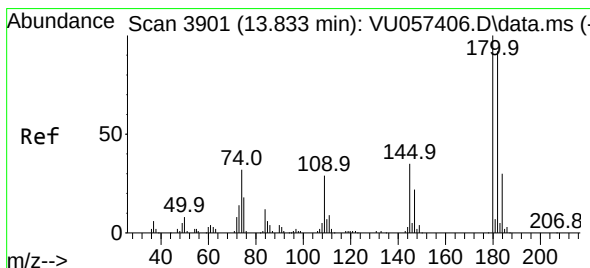
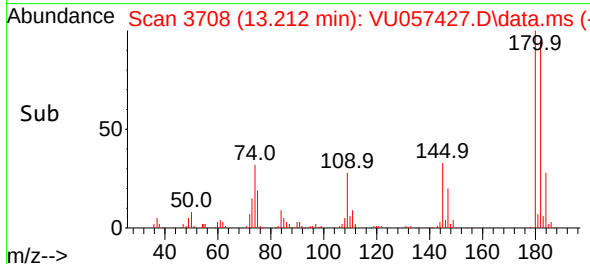
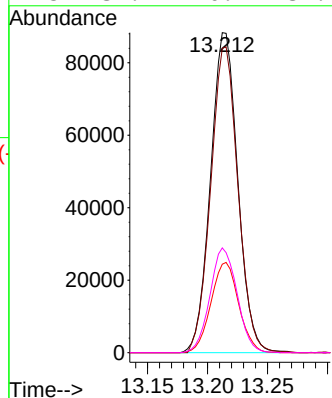
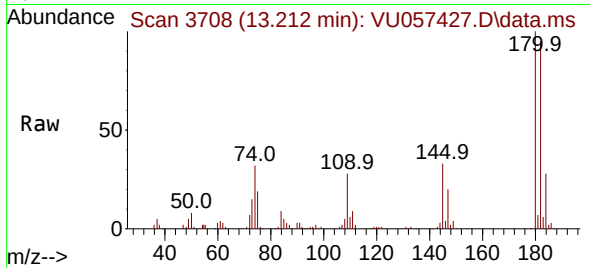
Ion Ratio Lower Upper

180 100

182 95.7 75.6 113.4

184 28.8 23.9 35.9

145 32.7 26.1 39.1



#70

1,2,4-trichlorobenzene

Concen: 50.101 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU057427.D

Acq: 09 Jan 2024 09:35

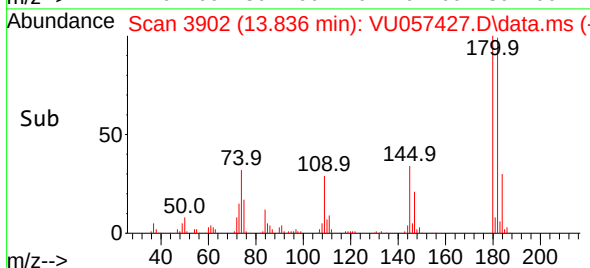
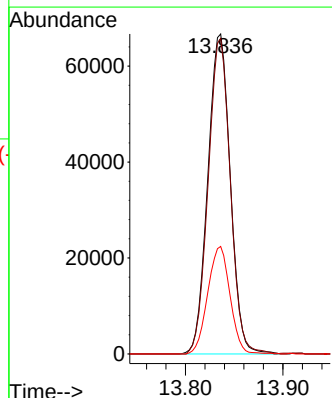
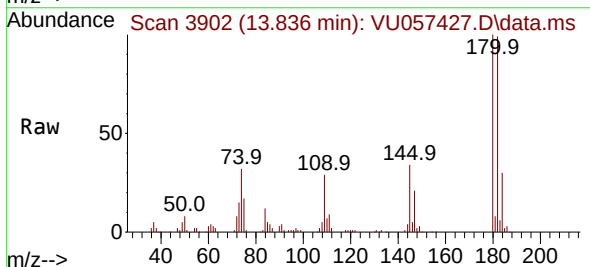
Tgt Ion:180 Resp: 107026

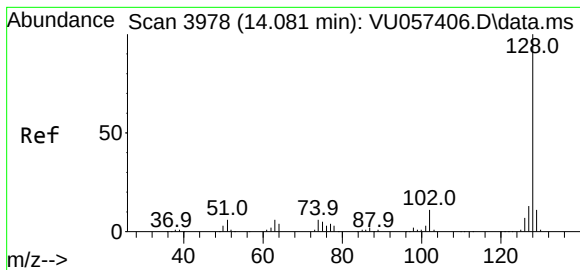
Ion Ratio Lower Upper

180 100

182 96.9 75.8 113.8

145 33.2 27.4 41.0

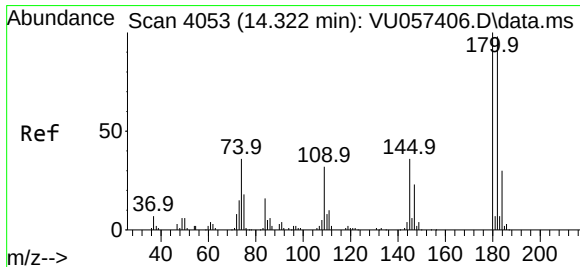
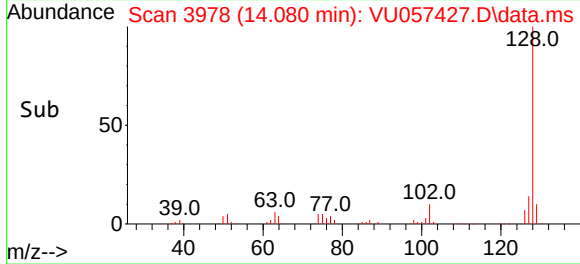
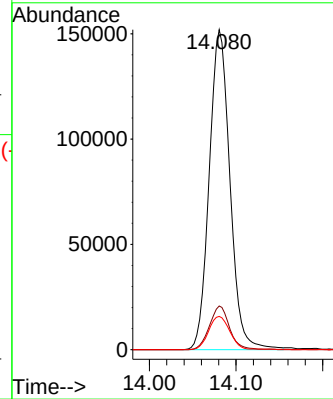
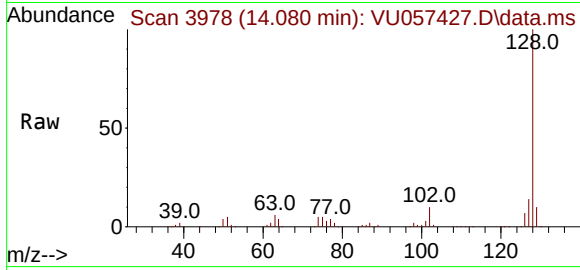




#71
Naphthalene
Concen: 50.602 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

Instrument :
MSVOA_U
ClientSampleId :
YCH89MS

Tgt	Ion:128	Resp:	252577
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.6	8.5	12.7



#72
1,2,3-Trichlorobenzene
Concen: 50.740 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU057427.D
Acq: 09 Jan 2024 09:35

Tgt Ion:180	Resp: 102504
Ion Ratio	Lower Upper
180 100	
182 97.2	77.5 116.3
145 36.1	28.2 42.4

