

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042122\
 Data File : VU048172.D
 Acq On : 21 Apr 2022 14:56
 Operator : SY/MD
 Sample : N2486-14 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J50

Quant Time: Apr 22 01:50:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 22 01:48:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	320383	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	336114	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	175663	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	104804	45.110	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.220%
7) Chloroethane-d5	1.912	69	86528	47.233	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.460%
11) 1,1-Dichloroethene-d2	2.568	63	138108	32.491	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.980%
21) 2-Butanone-d5	4.623	46	181564	91.049	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.050%
24) Chloroform-d	5.063	84	198259	46.638	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.280%
26) 1,2-Dichloroethane-d4	5.703	65	122817	47.106	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.220%
32) Benzene-d6	5.729	84	400570	47.362	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.720%
36) 1,2-Dichloropropane-d6	6.694	67	132920	51.174	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.340%
41) Toluene-d8	7.899	98	341814	41.481	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.960%
43) trans-1,3-Dichloroprop...	8.179	79	50440	38.331	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.660%
47) 2-Hexanone-d5	8.632	63	126656	83.298	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.300%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	201345	45.169	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.340%
66) 1,2-Dichlorobenzene-d4	12.192	152	160821	51.459	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.920%

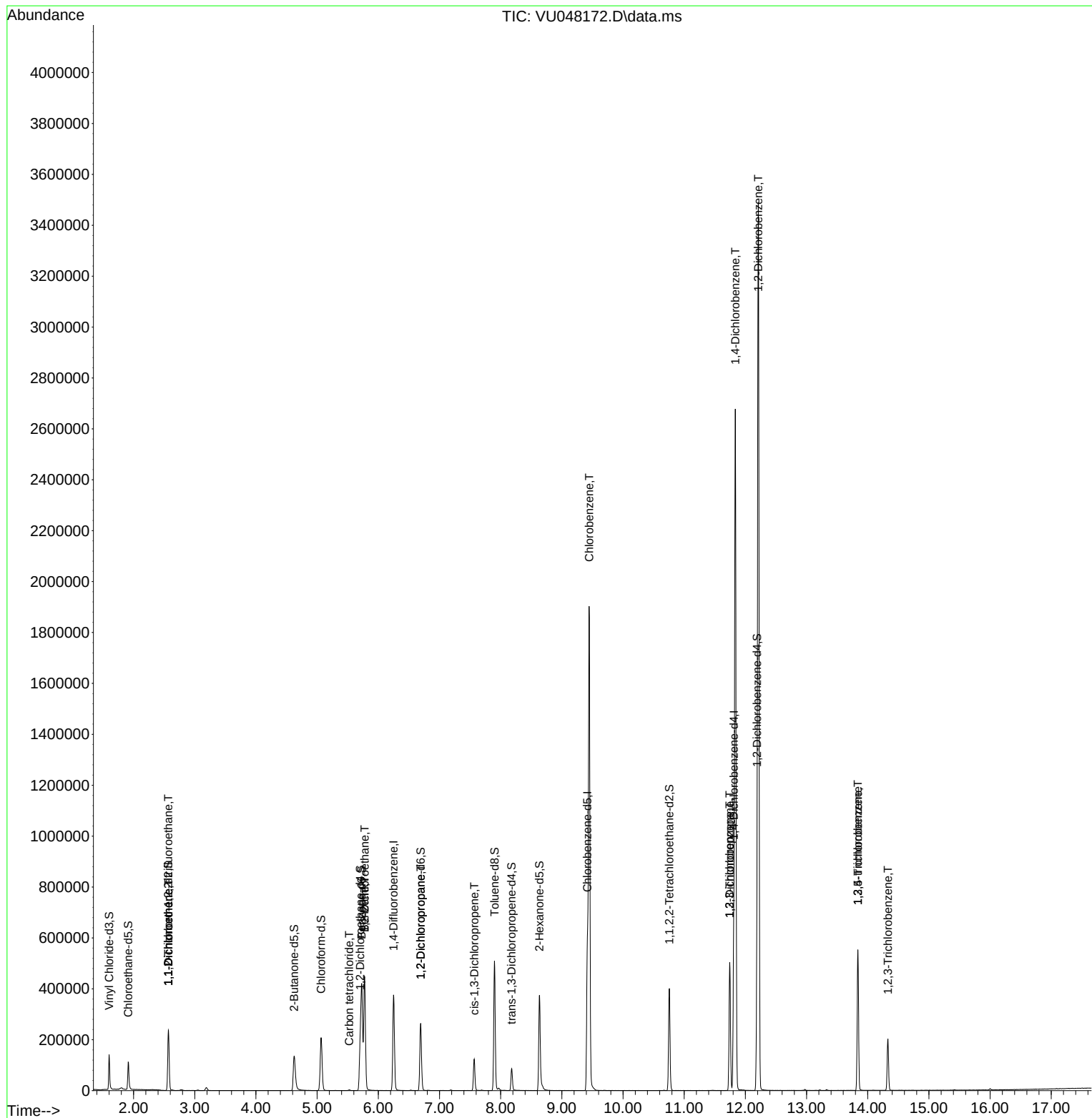
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1193	0.505	ug/L #	18
12) 1,1-Dichloroethene	2.572	96	1296	0.590	ug/L #	1
27) 1,2-Dichloroethane	5.777	62	3662	1.077	ug/L #	75
31) Carbon tetrachloride	5.523	117	1780	0.517	ug/L	98
33) Benzene	5.774	78	436899	44.907	ug/L	100
37) 1,2-Dichloropropane	6.694	63	12794	5.173	ug/L #	87
39) cis-1,3-Dichloropropene	7.568	75	2735	0.713	ug/L #	73
51) Chlorobenzene	9.446	112	1076636	148.539	ug/L	98
60) 1,2,3-Trichloropropane	11.745	75	58579	17.689	ug/L #	49
64) 1,3-Dichlorobenzene	11.745	146	221609	41.997	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	1120520	205.010	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	1464415	277.355	ug/L	100
69) 1,3,5-Trichlorobenzene	13.838	180	185814	43.358	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	185814	49.501	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	67282	17.880	ug/L	99

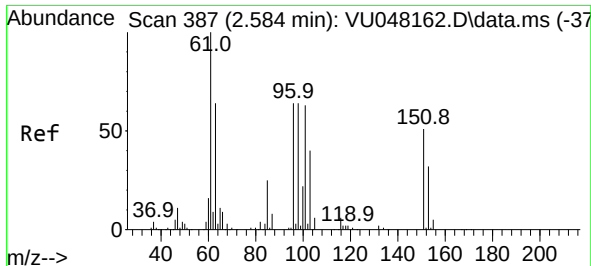
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.505 ug/L

RT: 2.568 min Scan# 3

Delta R.T. -0.016 min

Lab File: VU048172.D

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ClientSampleId :

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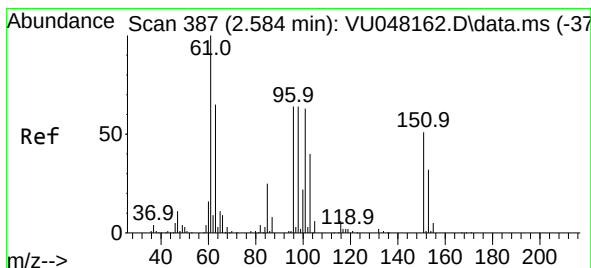
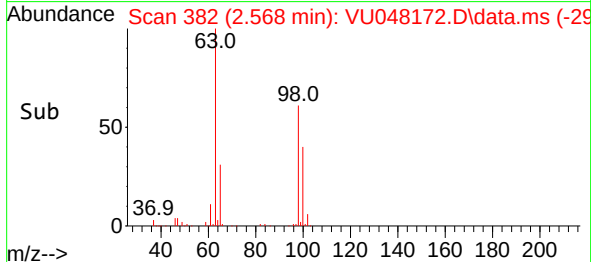
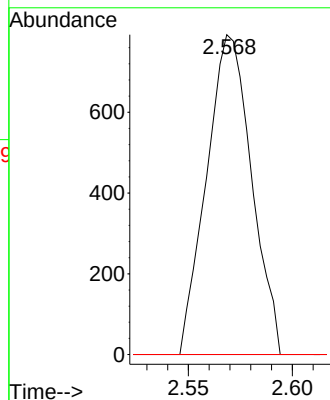
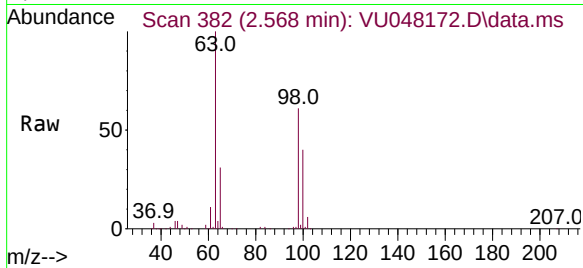
Tgt Ion:101 Resp: 1193

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 63.0 94.6#



#12

1,1-Dichloroethene

Concen: 0.590 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.013 min

Lab File: VU048172.D

Acq: 21 Apr 2022 14:56

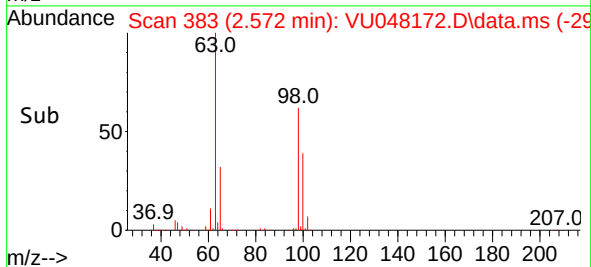
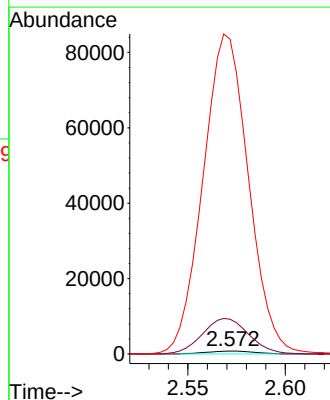
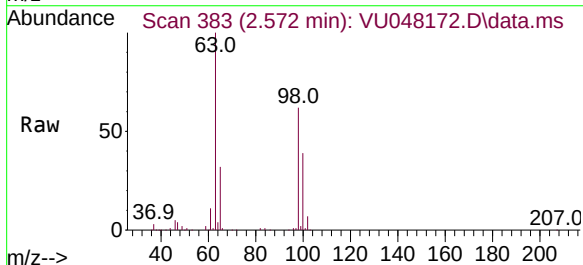
Tgt Ion: 96 Resp: 1296

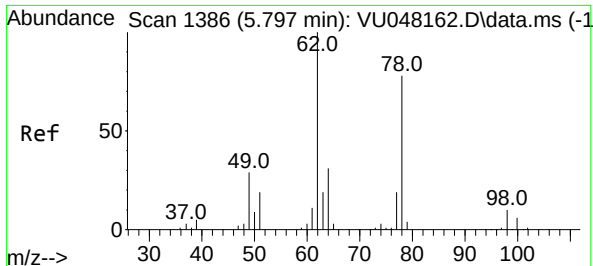
Ion Ratio Lower Upper

96 100

61 1182.9 113.1 210.1#

63 10702.6 94.8 176.0#





#27

1,2-Dichloroethane

Concen: 1.077 ug/L

RT: 5.777 min Scan# 11

Delta R.T. -0.019 min

Lab File: VU048172.D

Acq: 21 Apr 2022 14:56

Instrument :

MSVOA_U

ClientSampleId :

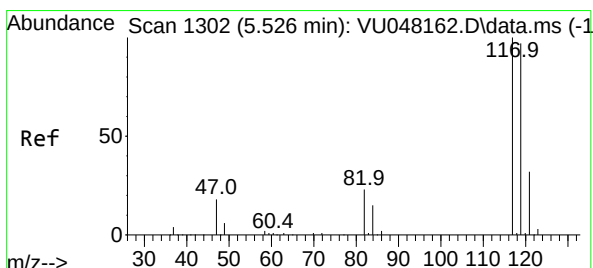
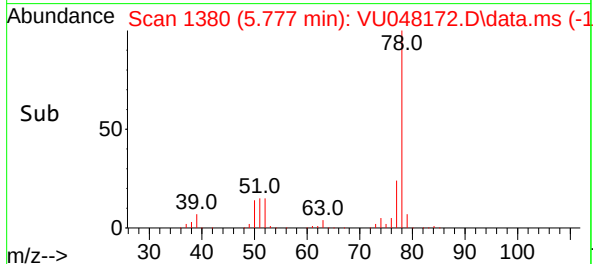
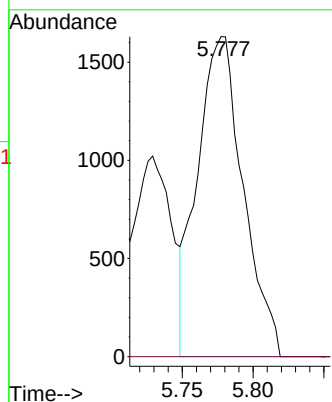
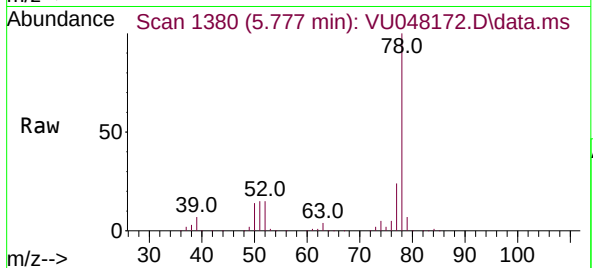
C0J50

Tgt Ion: 62 Resp: 3662

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#31

Carbon tetrachloride

Concen: 0.517 ug/L

RT: 5.523 min Scan# 1301

Delta R.T. -0.003 min

Lab File: VU048172.D

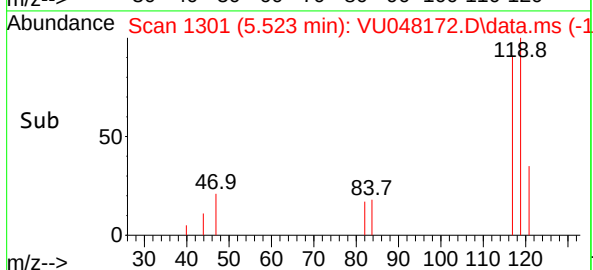
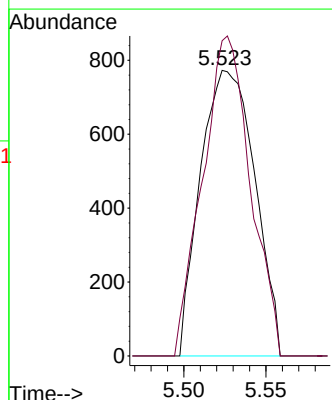
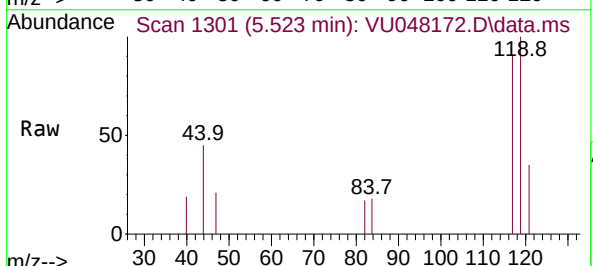
Acq: 21 Apr 2022 14:56

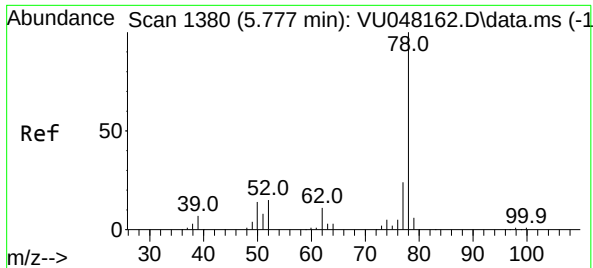
Tgt Ion: 117 Resp: 1780

Ion Ratio Lower Upper

117 100

119 98.7 77.2 115.8

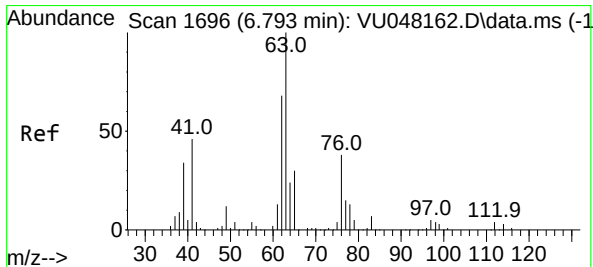
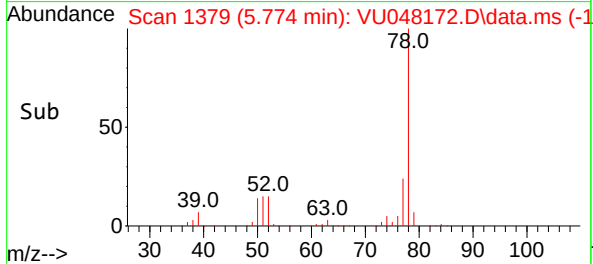
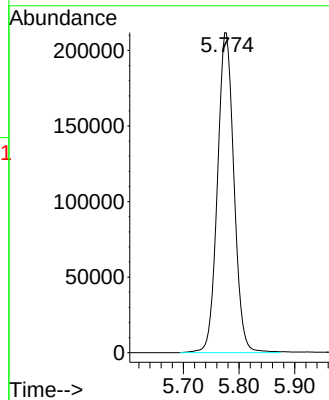
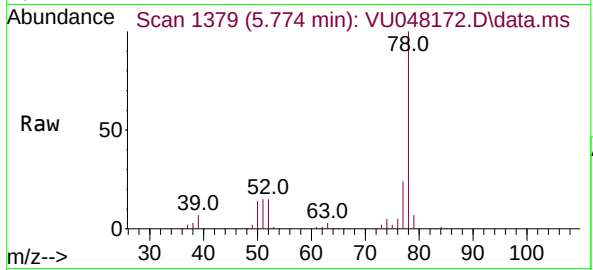




#33
Benzene
Concen: 44.907 ug/L
RT: 5.774 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048172.D
Acq: 21 Apr 2022 14:56

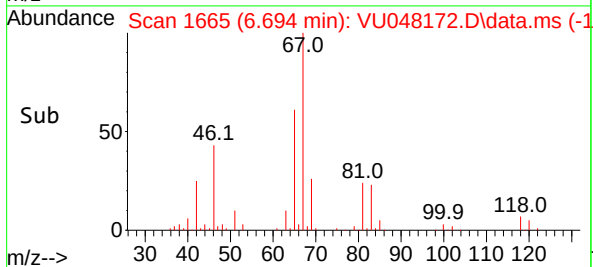
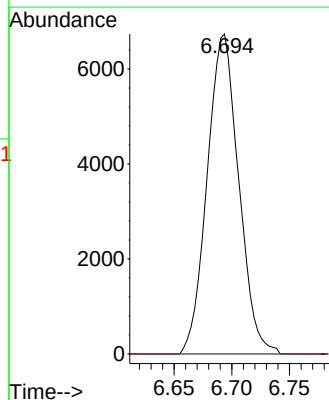
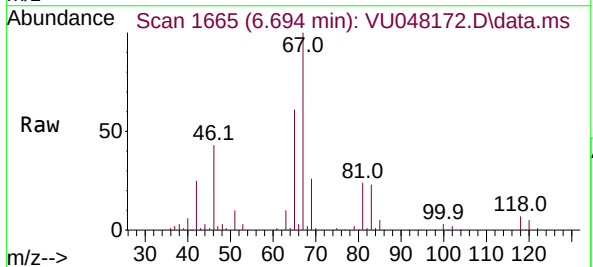
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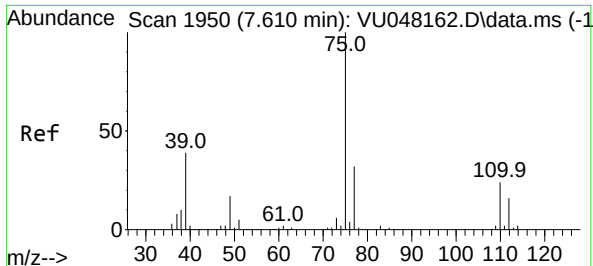
Tgt Ion: 78 Resp: 436899



#37
1,2-Dichloropropane
Concen: 5.173 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU048172.D
Acq: 21 Apr 2022 14:56

Tgt Ion: 63 Resp: 12794
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.713 ug/L

RT: 7.568 min Scan# 19

Delta R.T. -0.042 min

Lab File: VU048172.D

Acq: 21 Apr 2022 14:56

Instrument :

MSVOA_U

ClientSampleId :

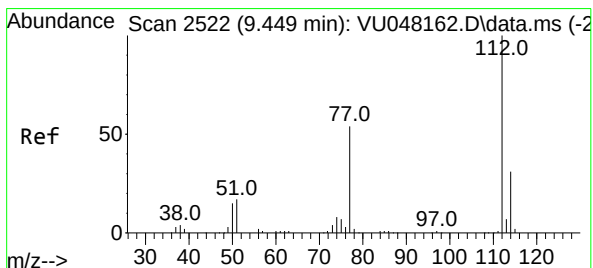
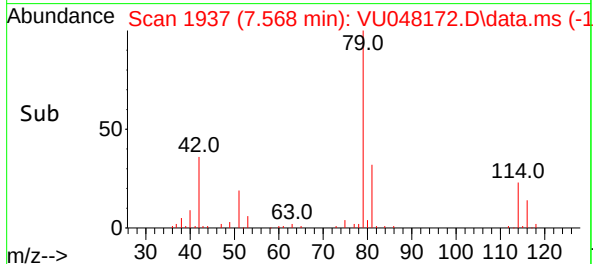
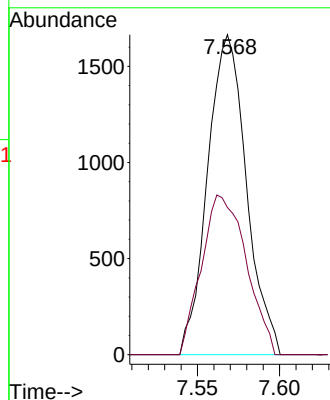
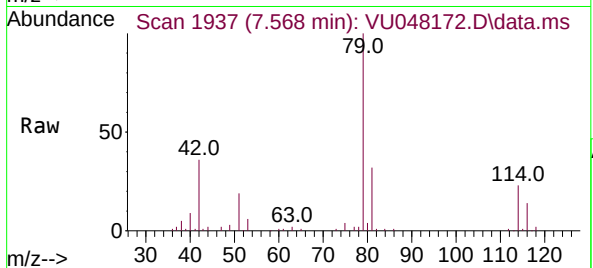
C0J50

Tgt Ion: 75 Resp: 2735

Ion Ratio Lower Upper

75 100

77 46.0 21.8 40.6#



#51

Chlorobenzene

Concen: 148.539 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VU048172.D

Acq: 21 Apr 2022 14:56

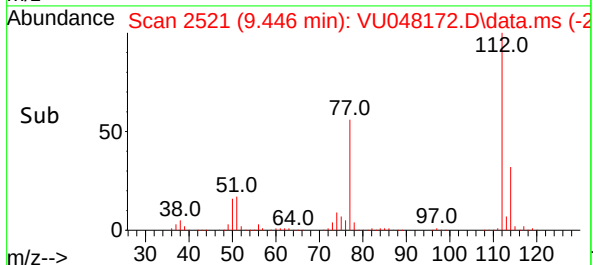
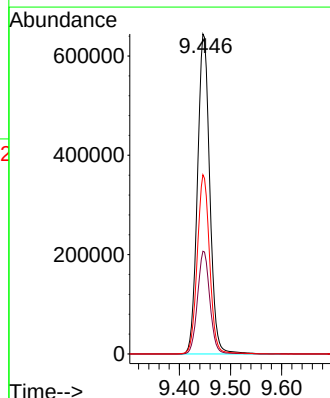
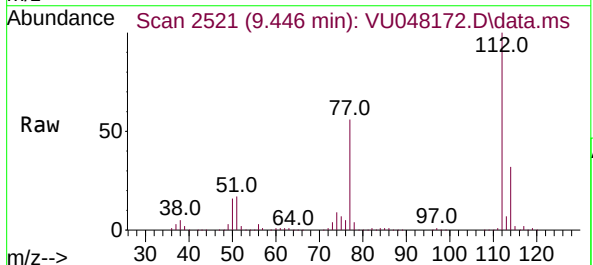
Tgt Ion: 112 Resp: 1076636

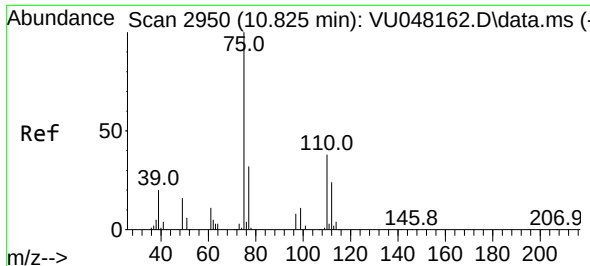
Ion Ratio Lower Upper

112 100

114 32.1 22.1 41.1

77 56.0 43.4 65.0

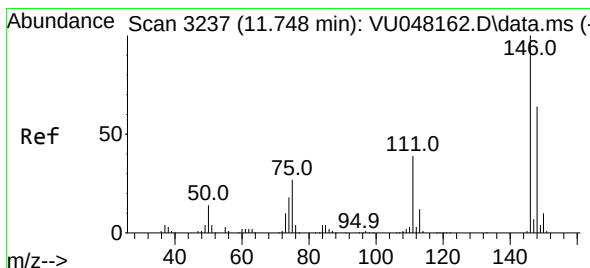
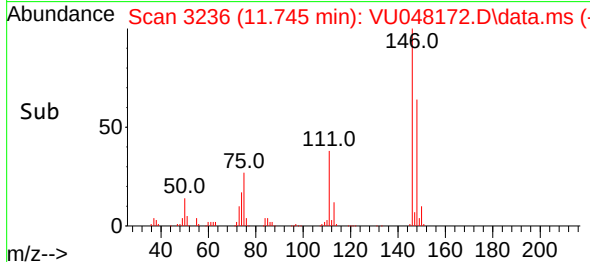
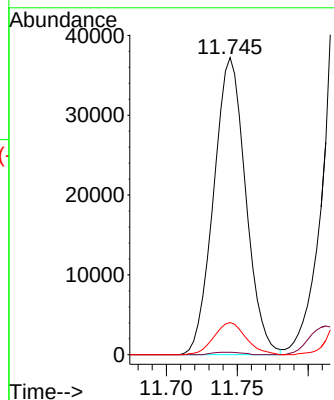
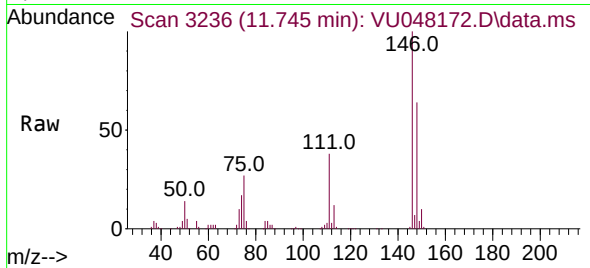




#60
 1,2,3-Trichloropropane
 Concen: 17.689 ug/L
 RT: 11.745 min Scan# 31
 Delta R.T. 0.920 min
 Lab File: VU048172.D
 Acq: 21 Apr 2022 14:56

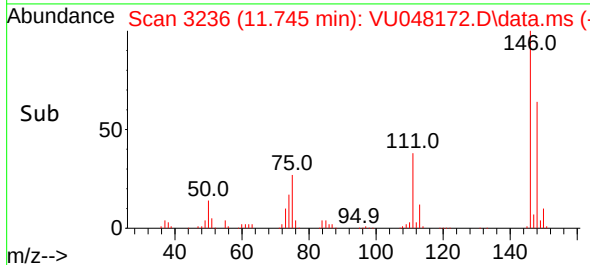
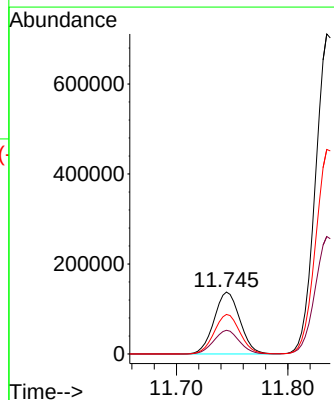
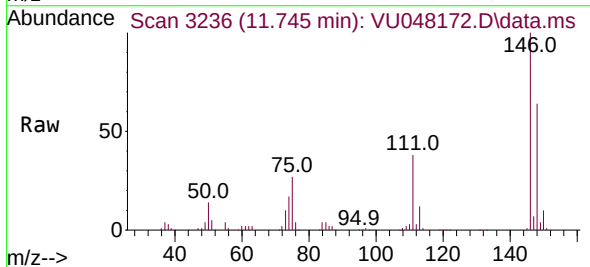
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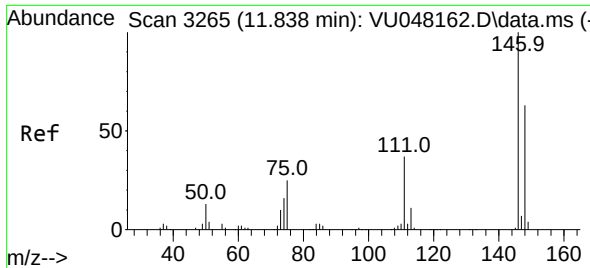
Tgt Ion: 75 Resp: 58579
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.0 39.0#
 110 10.8 31.4 47.2#



#64
 1,3-Dichlorobenzene
 Concen: 41.997 ug/L
 RT: 11.745 min Scan# 3236
 Delta R.T. -0.003 min
 Lab File: VU048172.D
 Acq: 21 Apr 2022 14:56

Tgt Ion: 146 Resp: 221609
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.7 49.7
 148 63.8 44.4 82.5

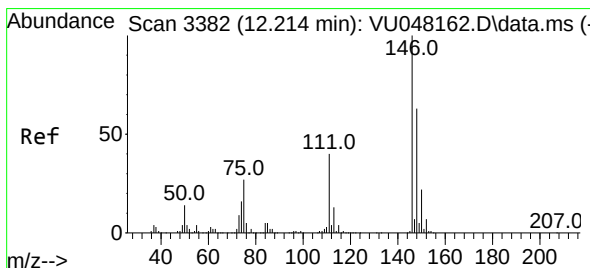
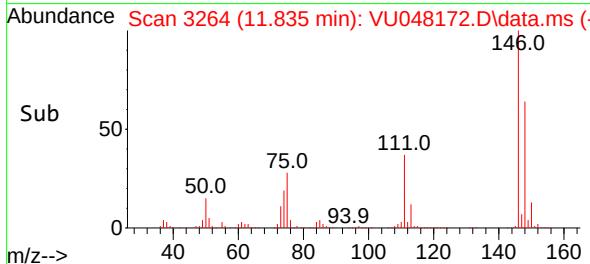
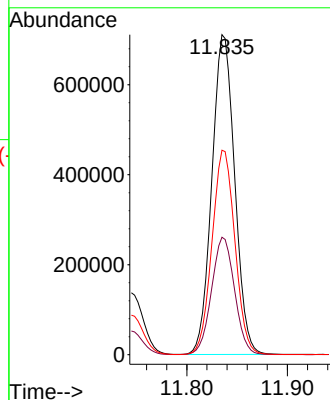
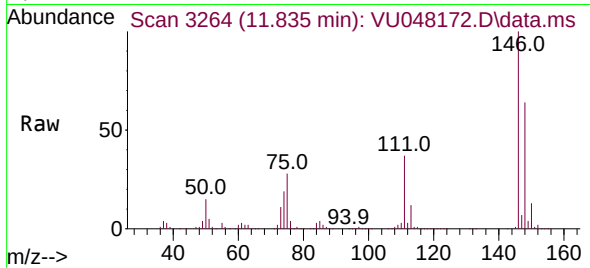




#65
1,4-Dichlorobenzene
Concen: 205.010 ug/L
RT: 11.835 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048172.D
Acq: 21 Apr 2022 14:56

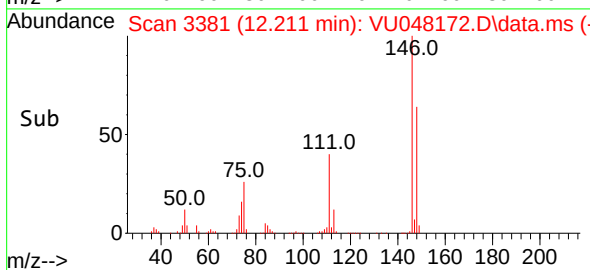
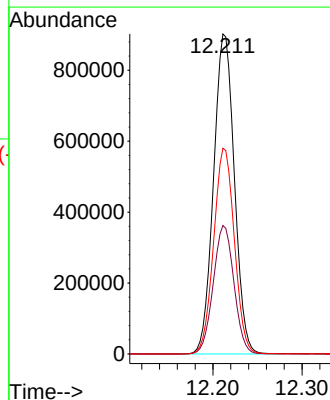
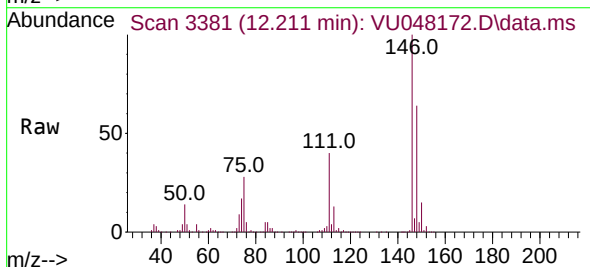
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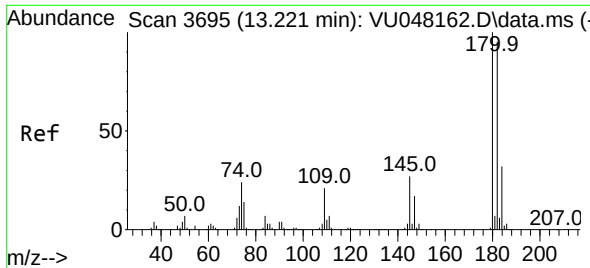
Tgt Ion:146 Resp: 1120520
Ion Ratio Lower Upper
146 100
111 36.7 25.3 47.1
148 63.9 44.5 82.7



#67
1,2-Dichlorobenzene
Concen: 277.355 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.003 min
Lab File: VU048172.D
Acq: 21 Apr 2022 14:56

Tgt Ion:146 Resp: 1464415
Ion Ratio Lower Upper
146 100
111 40.1 31.7 47.5
148 64.3 51.4 77.2

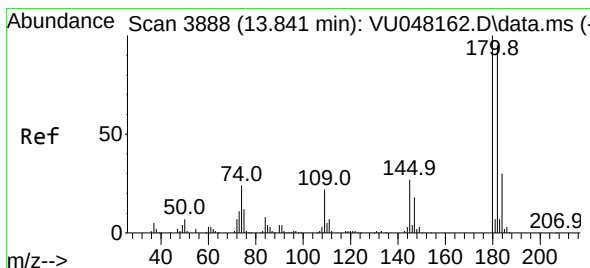
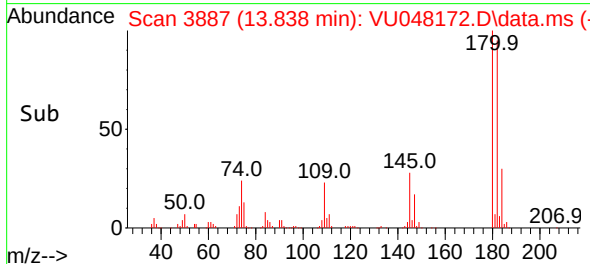
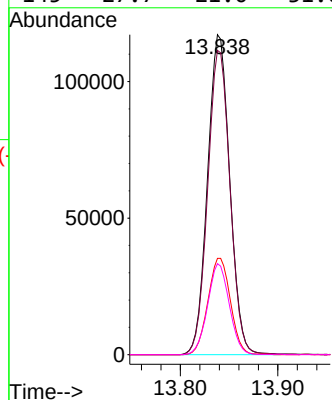
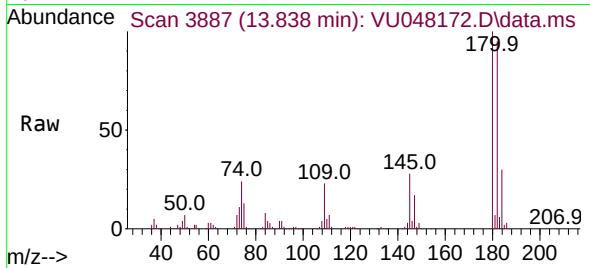




#69
 1,3,5-Trichlorobenzene
 Concen: 43.358 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.617 min
 Lab File: VU048172.D
 Acq: 21 Apr 2022 14:56

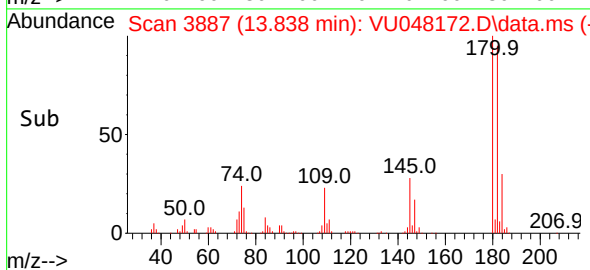
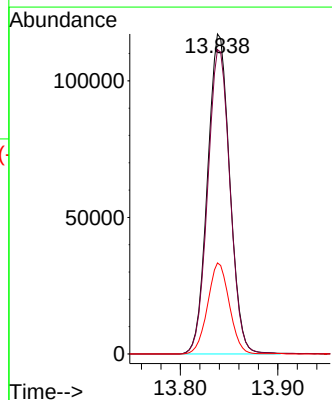
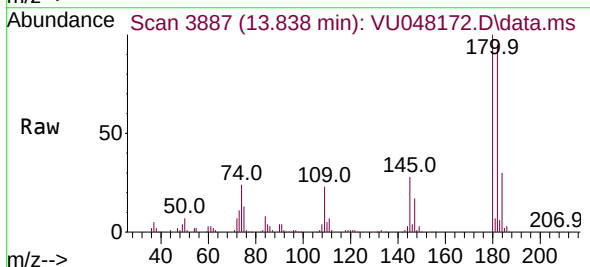
Instrument :
 MSVOA_U
 ClientSampleId :
 C0J50

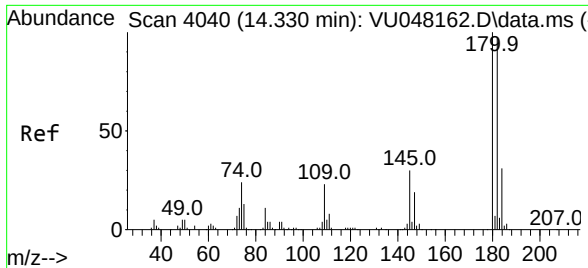
Tgt Ion:180 Resp: 185814
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.0 115.6
 184 30.6 24.5 36.7
 145 27.7 21.0 31.6



#70
 1,2,4-trichlorobenzene
 Concen: 49.501 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.003 min
 Lab File: VU048172.D
 Acq: 21 Apr 2022 14:56

Tgt Ion:180 Resp: 185814
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.2 114.2
 145 27.7 21.8 32.8





#72
 1,2,3-Trichlorobenzene
 Concen: 17.880 ug/L
 RT: 14.330 min Scan# 4040
 Delta R.T. 0.000 min
 Lab File: VU048172.D
 Acq: 21 Apr 2022 14:56

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J50

Tgt Ion:180 Resp: 67282
 Ion Ratio Lower Upper
 180 100
 182 96.8 77.4 116.0
 145 30.7 22.8 34.2

