

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112822\
 Data File : VU052149.D
 Acq On : 28 Nov 2022 15:48
 Operator : JC/MD
 Sample : N5785-05 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COL75

Quant Time: Nov 28 21:46:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 28 21:44:47 2022
 Response via : Initial Calibration

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

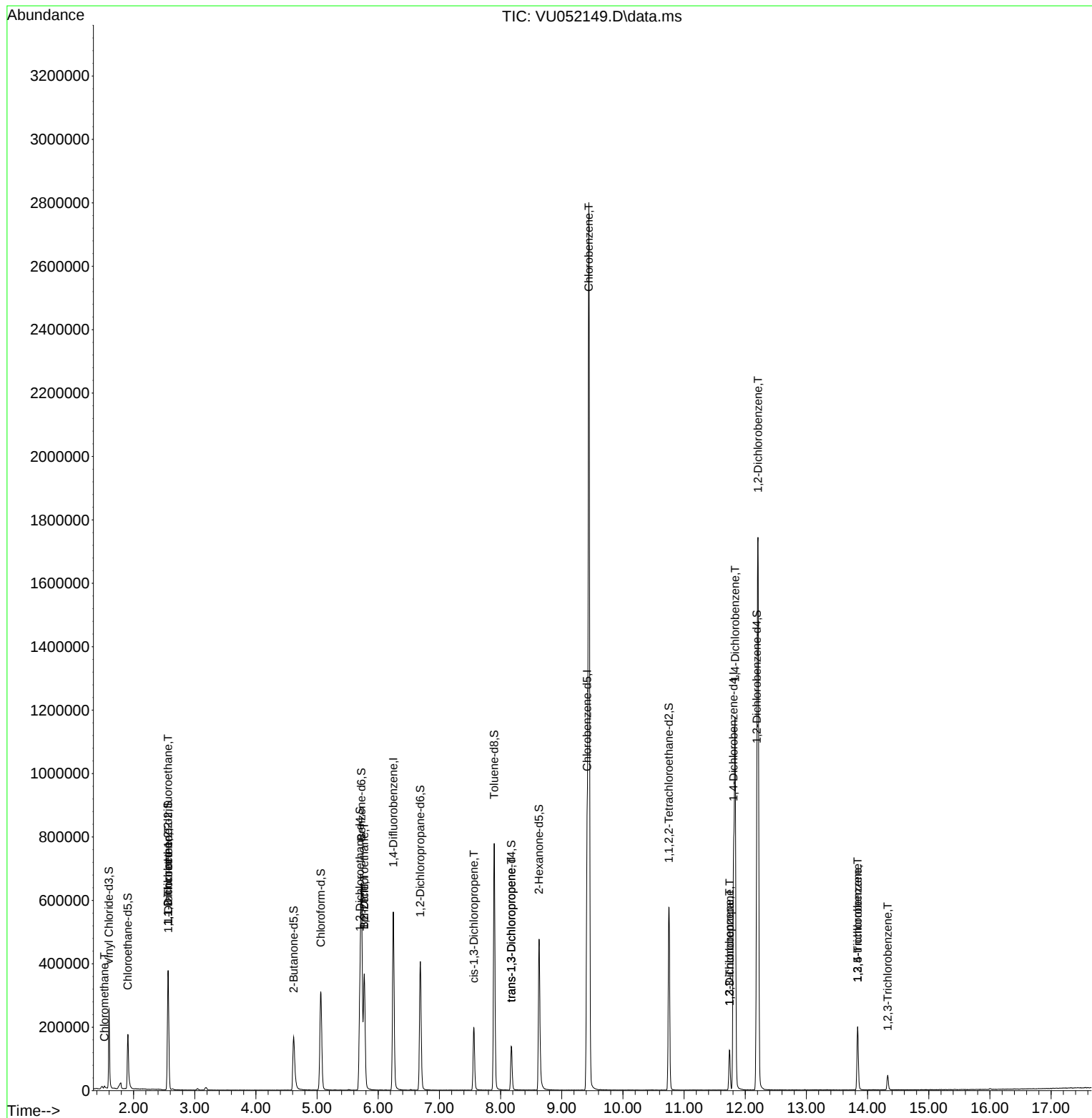
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	466089	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	460774	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	188371	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	188273	46.614	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.220%		
7) Chloroethane-d5	1.906	69	151202	47.269	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.540%		
11) 1,1-Dichloroethene-d2	2.565	63	223669	37.359	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.720%		
21) 2-Butanone-d5	4.616	46	236194	97.314	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.310%		
24) Chloroform-d	5.060	84	298213	45.064	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.120%		
26) 1,2-Dichloroethane-d4	5.700	65	185671	46.650	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.300%		
32) Benzene-d6	5.726	84	643184	46.831	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.660%		
36) 1,2-Dichloropropane-d6	6.687	67	206172	46.727	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.460%		
41) Toluene-d8	7.896	98	533420	43.470	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.940%		
43) trans-1,3-Dichloroprop...	8.176	79	79826	42.499	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.000%		
47) 2-Hexanone-d5	8.629	63	160184	93.066	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.070%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	302954	43.401	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.800%		
66) 1,2-Dichlorobenzene-d4	12.188	152	193879	49.771	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.540%		
Target Compounds						Qvalue
3) Chloromethane	1.523	50	5774	1.610	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	2260	0.800	ug/L #	20
12) 1,1-Dichloroethene	2.568	96	1668	0.618	ug/L #	1
27) 1,2-Dichloroethane	5.771	62	1947	0.426	ug/L #	73
33) Benzene	5.771	78	359675	26.349	ug/L	100
39) cis-1,3-Dichloropropene	7.562	75	4502	0.873	ug/L #	58
44) trans-1,3-Dichloropropene	8.176	75	3187	0.661	ug/L #	71
51) Chlorobenzene	9.443	112	1519350	163.711	ug/L	99
60) 1,2,3-Trichloropropane	11.745	75	15734	3.597	ug/L #	51
64) 1,3-Dichlorobenzene	11.742	146	54367	9.757	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	471292	83.012	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	666380	114.145	ug/L	99
69) 1,3,5-Trichlorobenzene	13.838	180	66045	17.755	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	66045	22.103	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	15505	4.790	ug/L	96

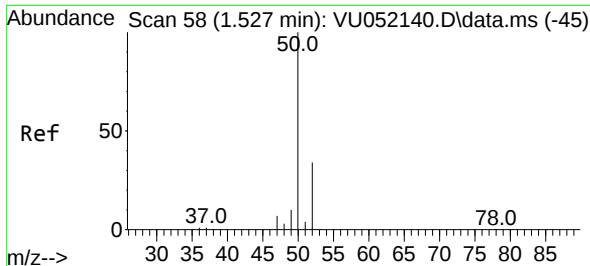
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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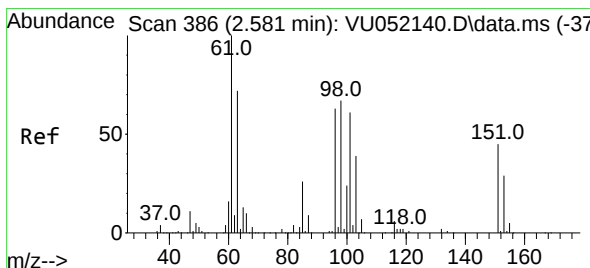
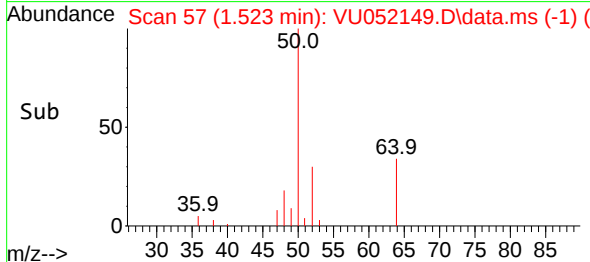
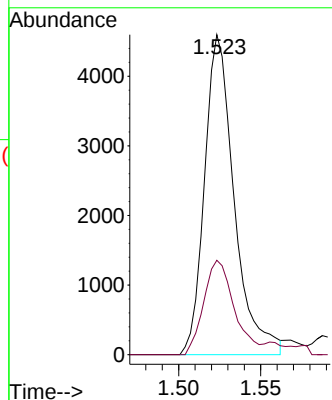
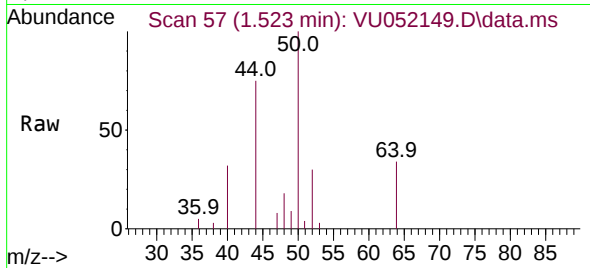




#3
Chloromethane
Concen: 1.610 ug/L
RT: 1.523 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU052149.D
Acq: 28 Nov 2022 15:48

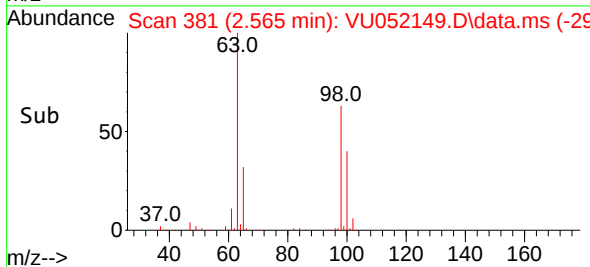
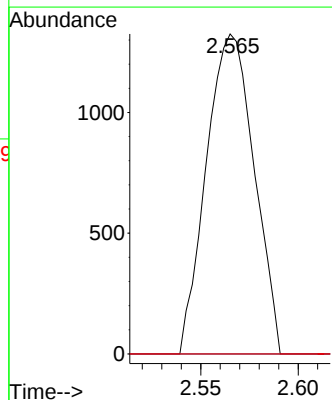
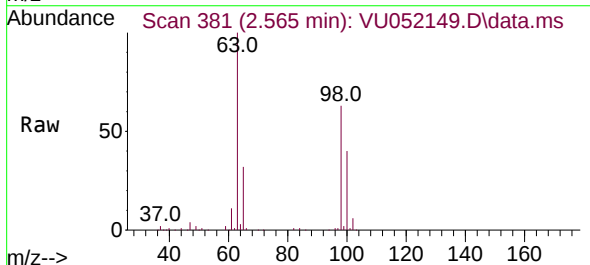
Instrument :
MSVOA_U
ClientSampleId :
COL75

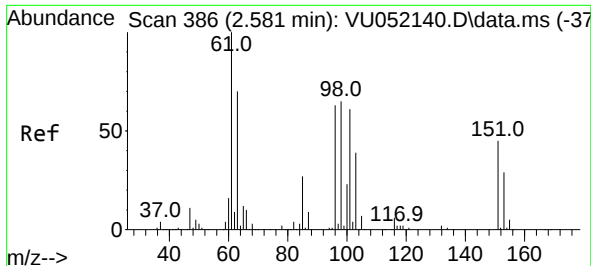
Tgt Ion: 50 Resp: 5774
Ion Ratio Lower Upper
50 100
52 29.5 23.1 42.9



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.800 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.016 min
Lab File: VU052149.D
Acq: 28 Nov 2022 15:48

Tgt Ion: 101 Resp: 2260
Ion Ratio Lower Upper
101 100
85 0.0 33.6 50.4#
151 0.0 58.9 88.3#

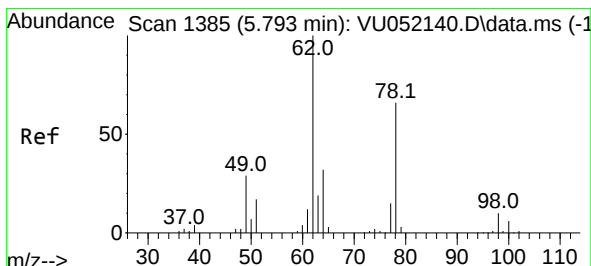
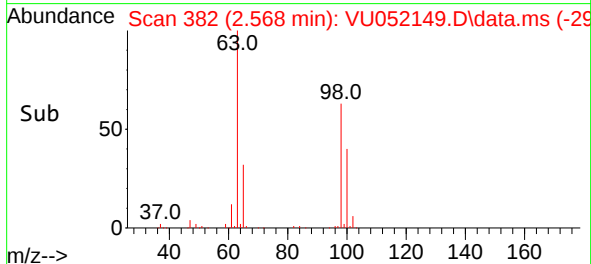
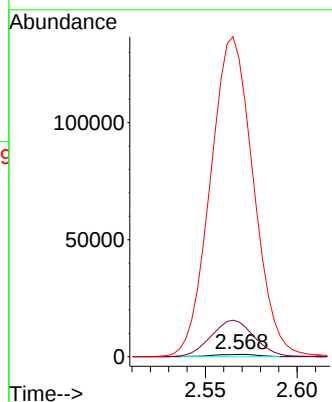
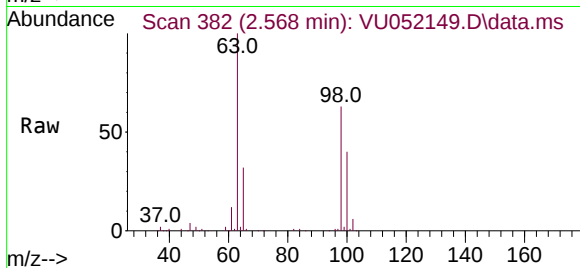




#12
1,1-Dichloroethene
Concen: 0.618 ug/L
RT: 2.568 min Scan# 31
Delta R.T. -0.013 min
Lab File: VU052149.D
Acq: 28 Nov 2022 15:48

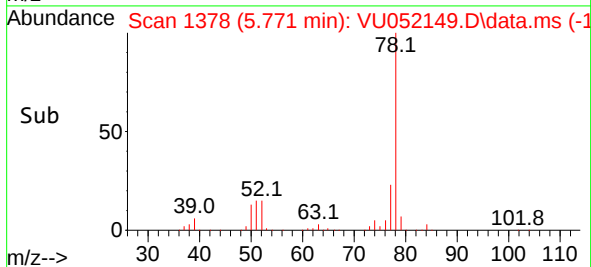
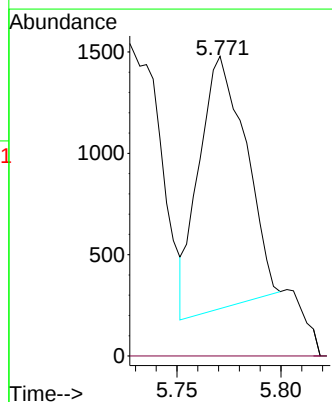
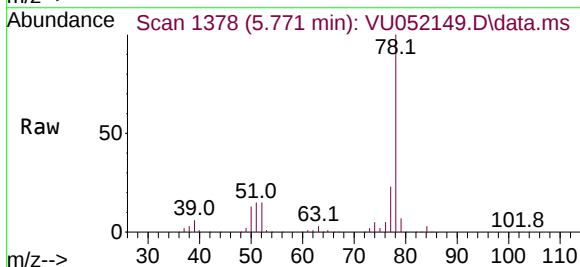
Instrument :
MSVOA_U
ClientSampleId :
COL75

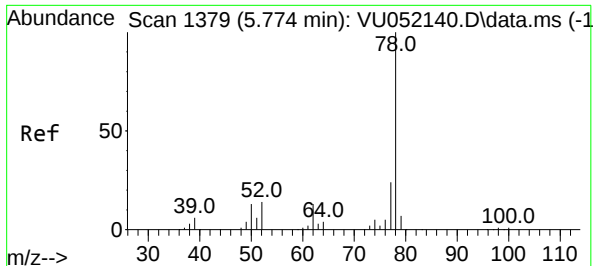
Tgt Ion: 96 Resp: 1668
Ion Ratio Lower Upper
96 100
61 1507.2 114.2 212.0#
63 12976.4 90.9 168.7#



#27
1,2-Dichloroethane
Concen: 0.426 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.023 min
Lab File: VU052149.D
Acq: 28 Nov 2022 15:48

Tgt Ion: 62 Resp: 1947
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#





#33

Benzene

Concen: 26.349 ug/L

RT: 5.771 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052149.D

Acq: 28 Nov 2022 15:48

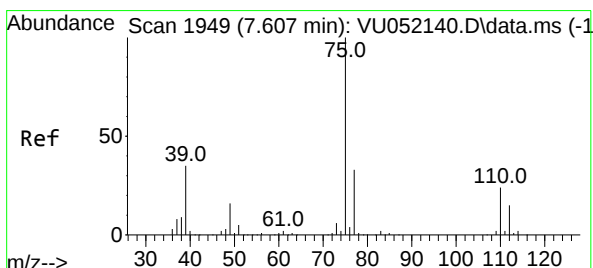
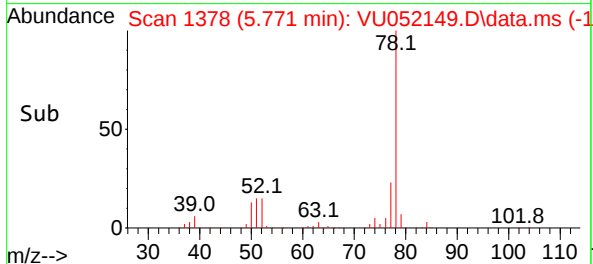
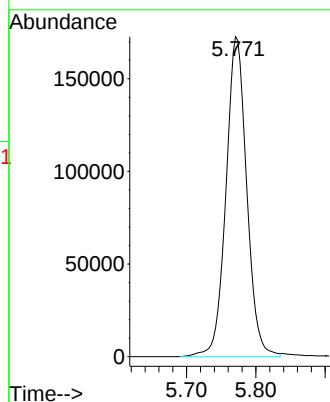
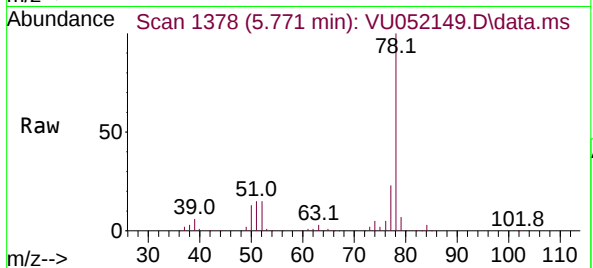
Instrument :

MSVOA_U

ClientSampleId :

C0L75

Tgt Ion: 78 Resp: 359675



#39

cis-1,3-Dichloropropene

Concen: 0.873 ug/L

RT: 7.562 min Scan# 1935

Delta R.T. -0.045 min

Lab File: VU052149.D

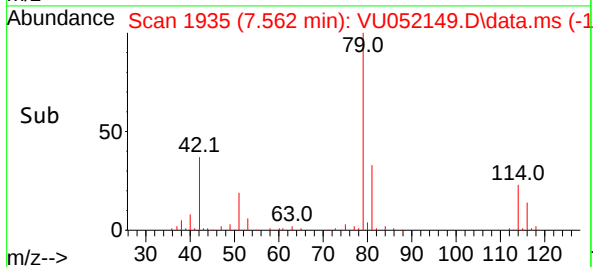
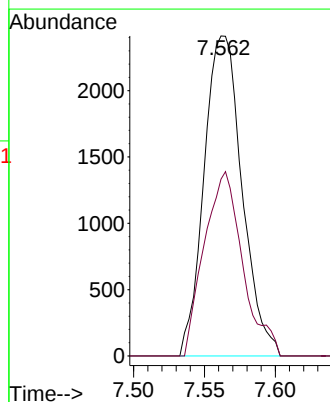
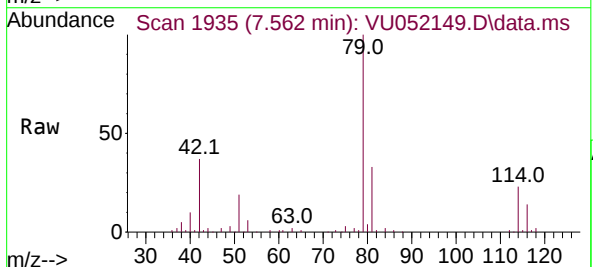
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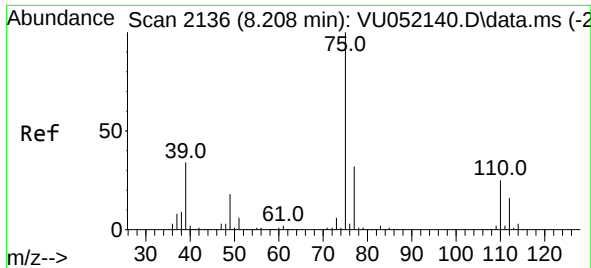
Tgt Ion: 75 Resp: 4502

Ion Ratio Lower Upper

75 100

77 55.3 22.3 41.3#

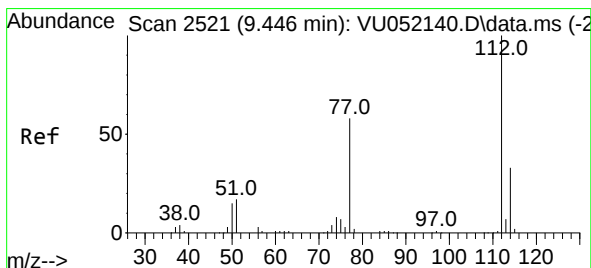
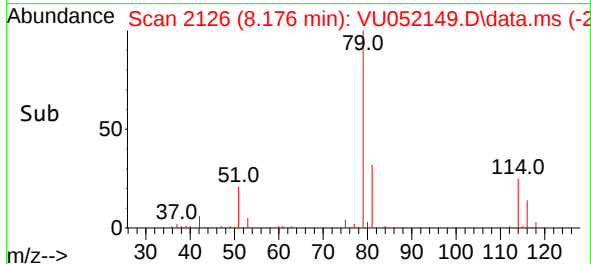
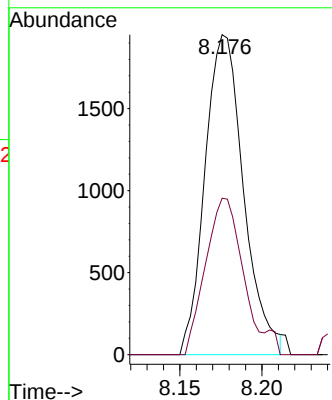
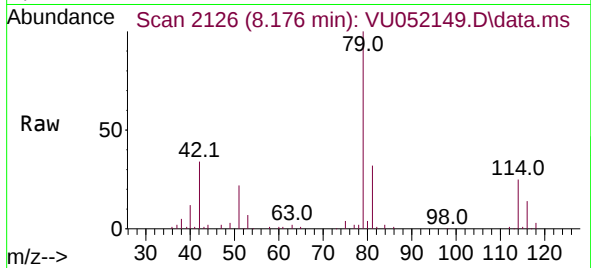




#44
trans-1,3-Dichloropropene
Concen: 0.661 ug/L
RT: 8.176 min Scan# 2136
Delta R.T. -0.032 min
Lab File: VU052149.D
Acq: 28 Nov 2022 15:48

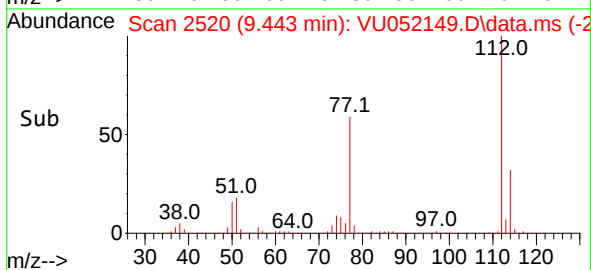
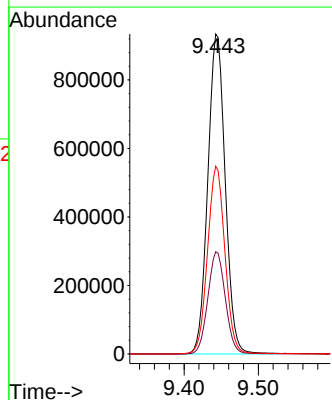
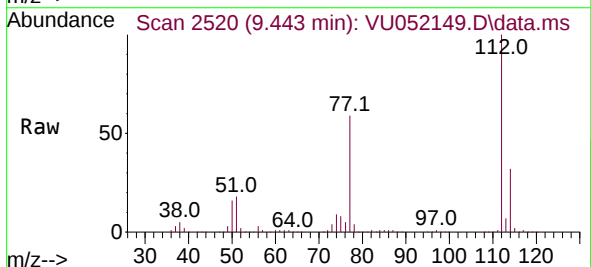
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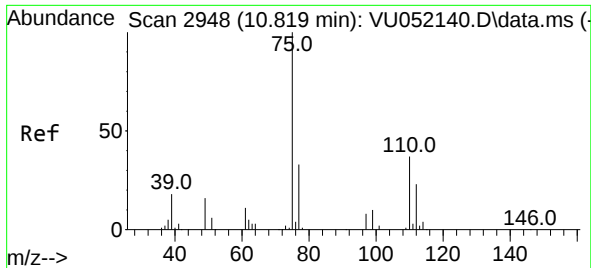
Tgt Ion: 75 Resp: 3187
Ion Ratio Lower Upper
75 100
77 48.9 22.7 42.1#



#51
Chlorobenzene
Concen: 163.711 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.003 min
Lab File: VU052149.D
Acq: 28 Nov 2022 15:48

Tgt Ion: 112 Resp: 1519350
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 58.6 46.5 69.7

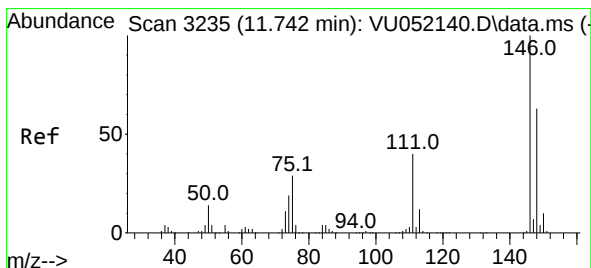
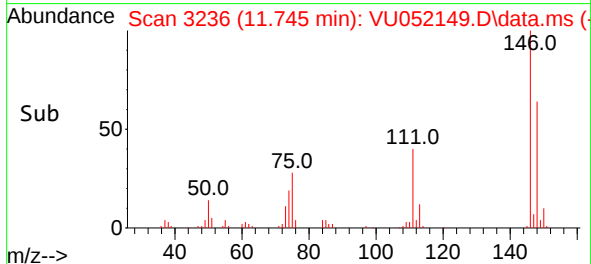
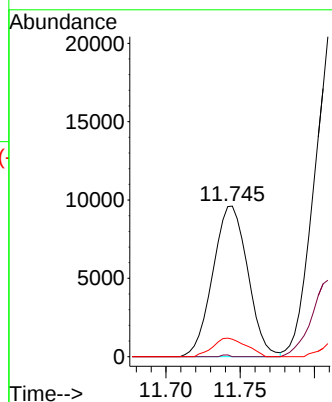
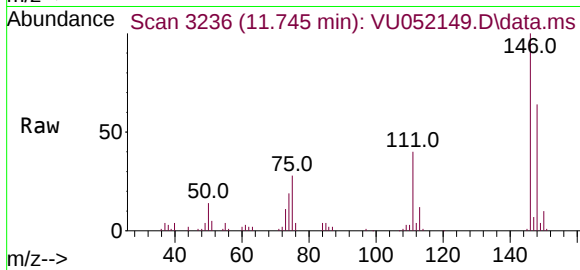




#60
1,2,3-Trichloropropane
Concen: 3.597 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.926 min
Lab File: VU052149.D
Acq: 28 Nov 2022 15:48

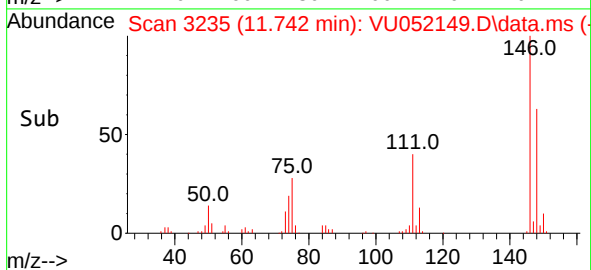
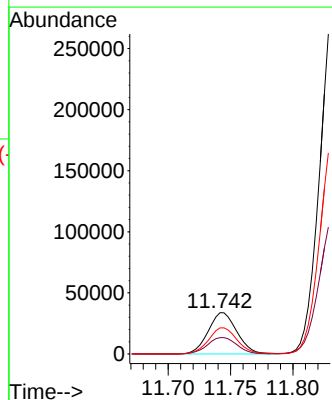
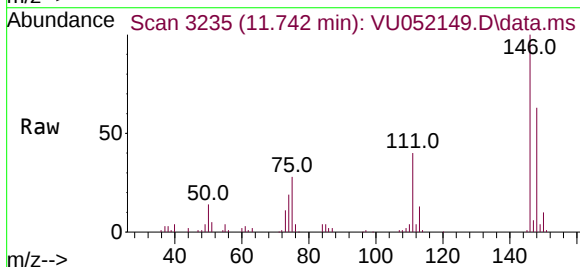
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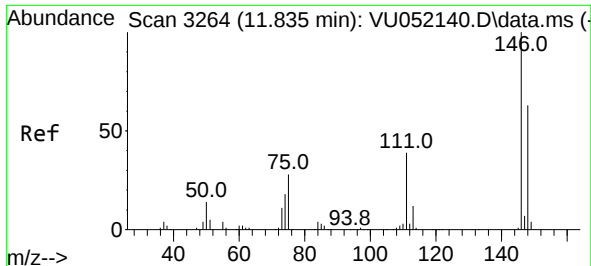
Tgt Ion: 75 Resp: 15734
Ion Ratio Lower Upper
75 100
77 0.3 26.0 39.0#
110 11.7 29.0 43.4#



#64
1,3-Dichlorobenzene
Concen: 9.757 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU052149.D
Acq: 28 Nov 2022 15:48

Tgt Ion:146 Resp: 54367
Ion Ratio Lower Upper
146 100
111 39.7 27.5 51.1
148 63.2 44.9 83.3

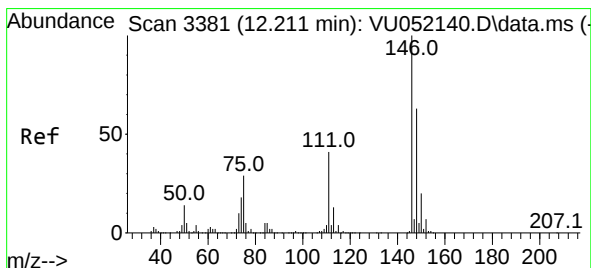
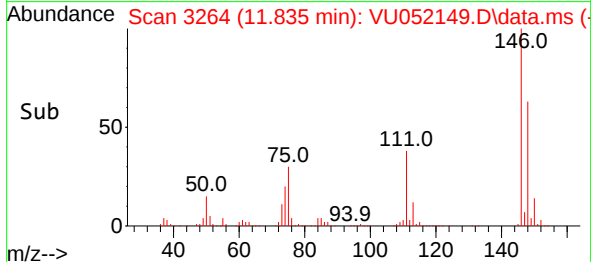
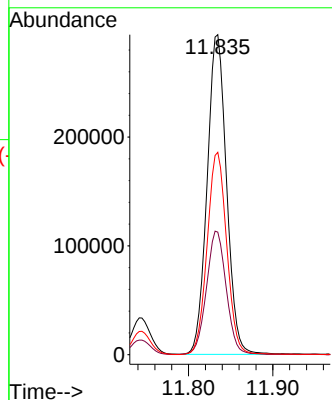
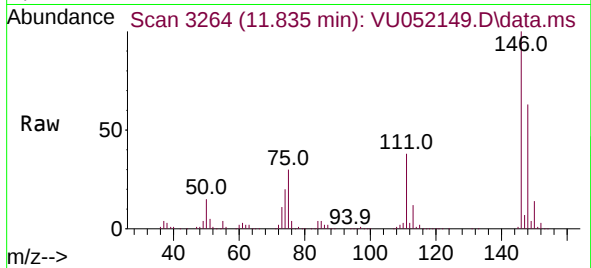




#65
1,4-Dichlorobenzene
Concen: 83.012 ug/L
RT: 11.835 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052149.D
Acq: 28 Nov 2022 15:48

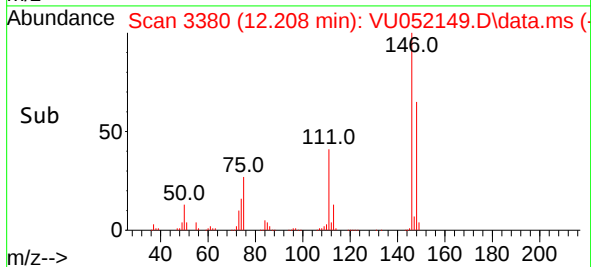
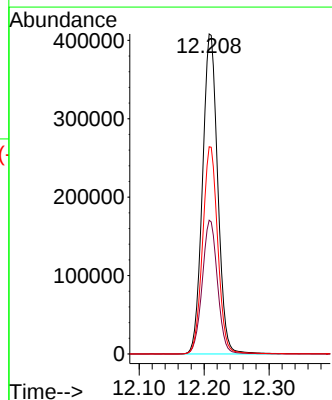
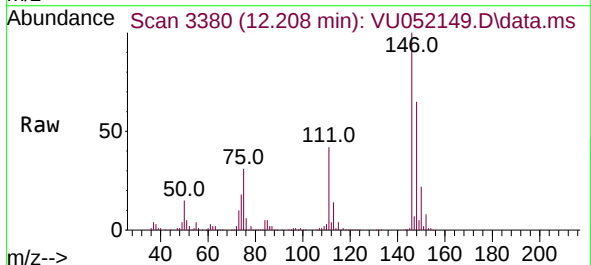
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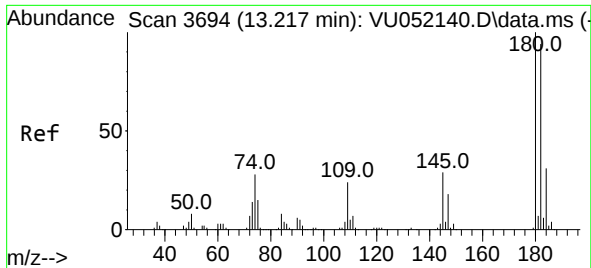
Tgt Ion:146 Resp: 471292
Ion Ratio Lower Upper
146 100
111 38.3 27.6 51.2
148 63.3 44.8 83.2



#67
1,2-Dichlorobenzene
Concen: 114.145 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.003 min
Lab File: VU052149.D
Acq: 28 Nov 2022 15:48

Tgt Ion:146 Resp: 666380
Ion Ratio Lower Upper
146 100
111 41.8 34.2 51.4
148 64.7 52.6 79.0

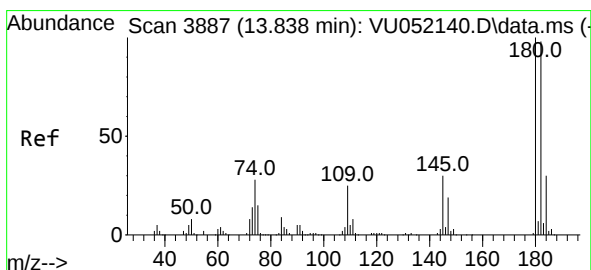
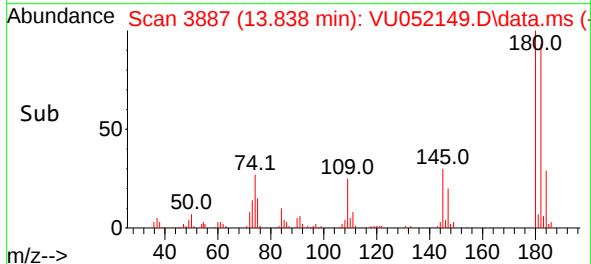
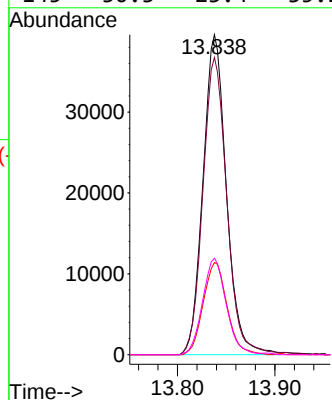
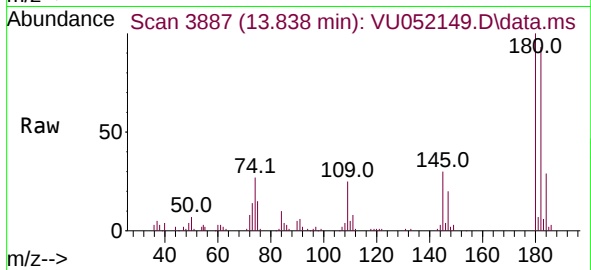




#69
 1,3,5-Trichlorobenzene
 Concen: 17.755 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.620 min
 Lab File: VU052149.D
 Acq: 28 Nov 2022 15:48

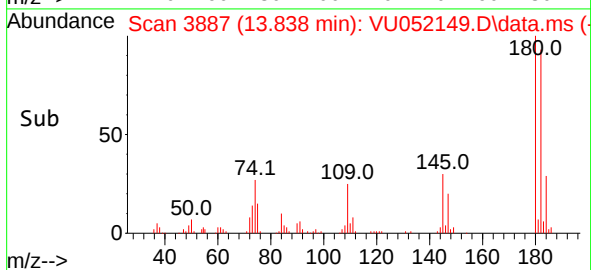
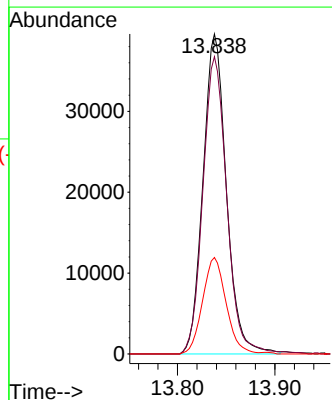
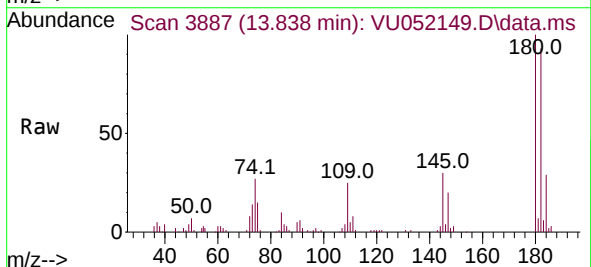
Instrument :
 MSVOA_U
 ClientSampleId :
 COL75

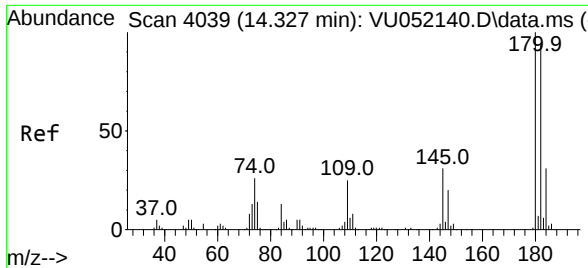
Tgt Ion:180	Resp:	66045
Ion Ratio	Lower	Upper
180	100	
182	95.1	77.2 115.8
184	29.4	24.6 36.8
145	30.3	23.4 35.2



#70
 1,2,4-trichlorobenzene
 Concen: 22.103 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU052149.D
 Acq: 28 Nov 2022 15:48

Tgt Ion:180	Resp:	66045
Ion Ratio	Lower	Upper
180	100	
182	95.1	75.4 113.2
145	30.3	23.4 35.0





#72
 1,2,3-Trichlorobenzene
 Concen: 4.790 ug/L
 RT: 14.330 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: VU052149.D
 Acq: 28 Nov 2022 15:48

Instrument :
 MSVOA_U
 ClientSampleId :
 COL75

Tgt Ion:180 Resp: 15505
 Ion Ratio Lower Upper
 180 100
 182 99.1 76.1 114.1
 145 30.0 25.8 38.6

