

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
 Data File : VU048146.D
 Acq On : 20 Apr 2022 16:32
 Operator : SY/MD
 Sample : N2485-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J16

Quant Time: Apr 21 02:43:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 21 02:37:57 2022
 Response via : Initial Calibration

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

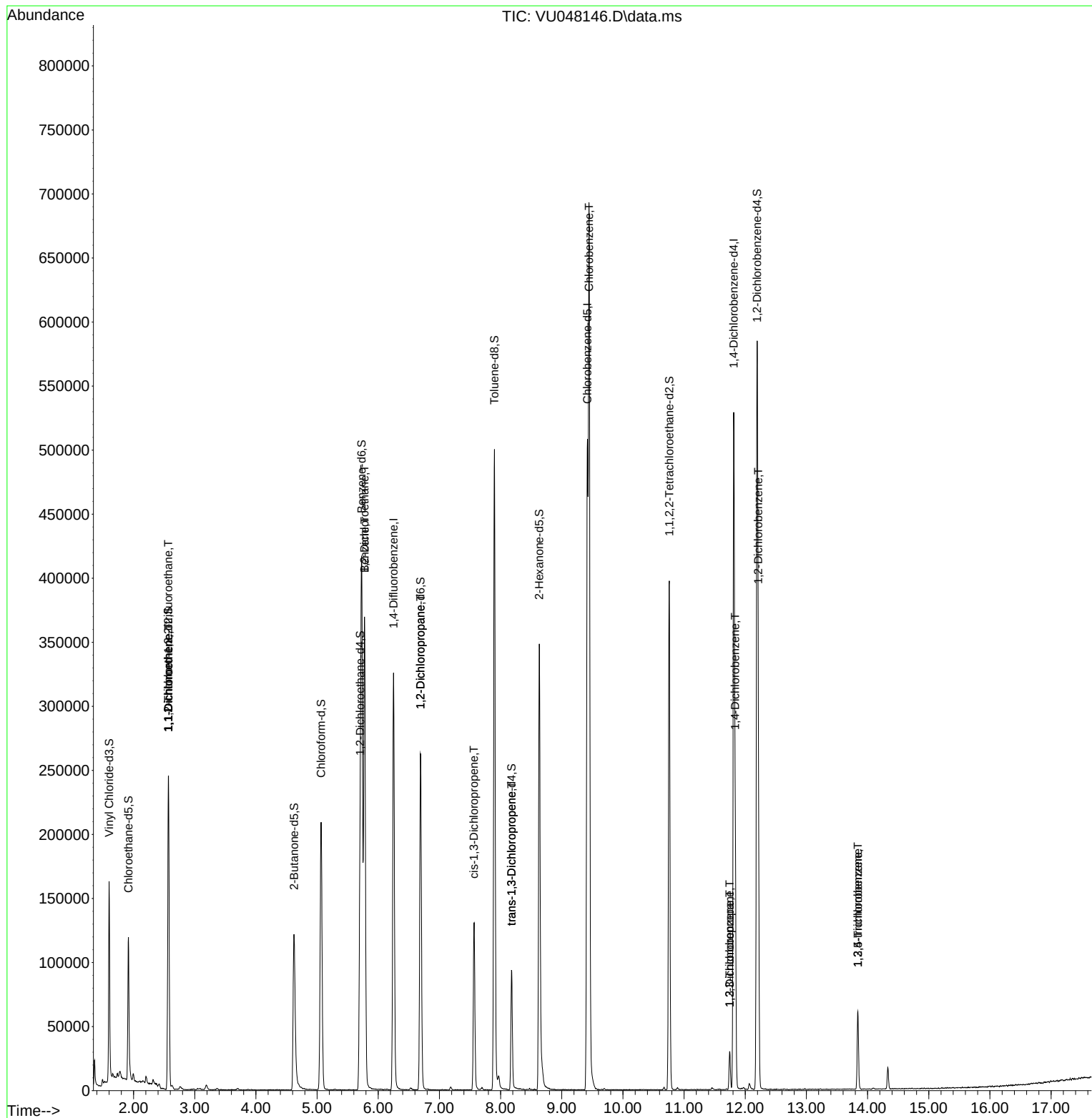
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	281766	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	291748	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	147172	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	107270	52.499	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.000%
7) Chloroethane-d5	1.916	69	90251	56.018	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.040%
11) 1,1-Dichloroethene-d2	2.568	63	138407	37.024	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.040%
21) 2-Butanone-d5	4.623	46	173658	99.019	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.020%
24) Chloroform-d	5.067	84	198410	53.070	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.140%
26) 1,2-Dichloroethane-d4	5.703	65	123753	53.970	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.940%
32) Benzene-d6	5.729	84	403595	54.977	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.960%
36) 1,2-Dichloropropane-d6	6.690	67	132391	58.722	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	117.440%
41) Toluene-d8	7.899	98	343790	48.066	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.140%
43) trans-1,3-Dichloroprop...	8.179	79	53915	47.203	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.400%
47) 2-Hexanone-d5	8.632	63	119151	90.279	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.280%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	198166	51.216	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.440%
66) 1,2-Dichlorobenzene-d4	12.192	152	152490	58.239	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.480%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1338	0.644	ug/L #	18
12) 1,1-Dichloroethene	2.571	96	1305	0.675	ug/L #	1
27) 1,2-Dichloroethane	5.774	62	3198	1.069	ug/L #	75
33) Benzene	5.777	78	362213	42.892	ug/L	100
37) 1,2-Dichloropropane	6.690	63	13163	6.132	ug/L #	87
39) cis-1,3-Dichloropropene	7.565	75	3047	0.915	ug/L #	51
44) trans-1,3-Dichloropropene	8.179	75	2344	0.705	ug/L	96
51) Chlorobenzene	9.446	112	388828	61.803	ug/L	99
60) 1,2,3-Trichloropropane	11.745	75	3541	1.276	ug/L #	48
64) 1,3-Dichlorobenzene	11.745	146	13496	3.053	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	81809	17.865	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	98368	22.237	ug/L	100
69) 1,3,5-Trichlorobenzene	13.841	180	21316	5.937	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	21316	6.778	ug/L	98

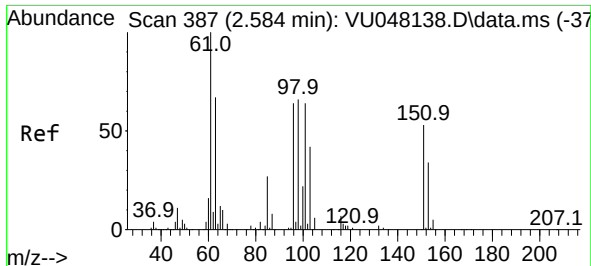
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.644 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.016 min

Lab File: VU048146.D

Acq: 20 Apr 2022 16:32

Instrument :

MSVOA_U

ClientSampleId :

C0J16

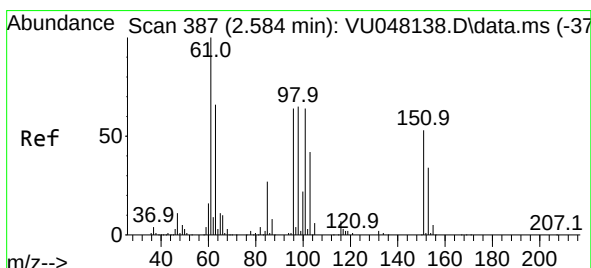
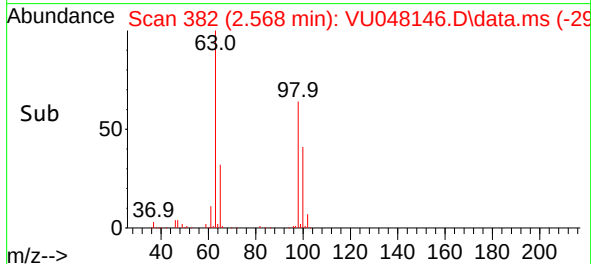
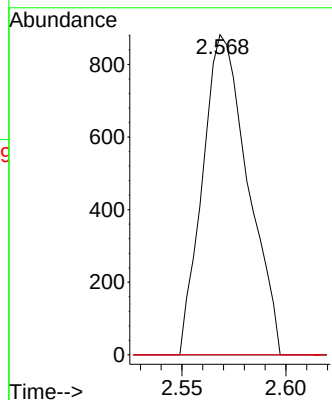
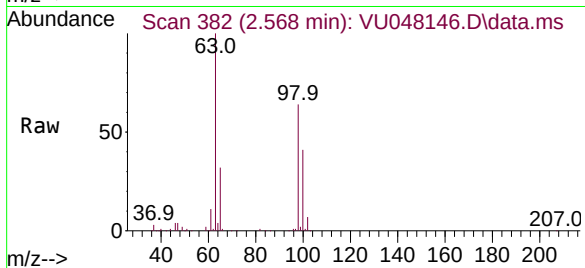
Tgt Ion:101 Resp: 1338

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: 0.675 ug/L

RT: 2.571 min Scan# 383

Delta R.T. -0.013 min

Lab File: VU048146.D

Acq: 20 Apr 2022 16:32

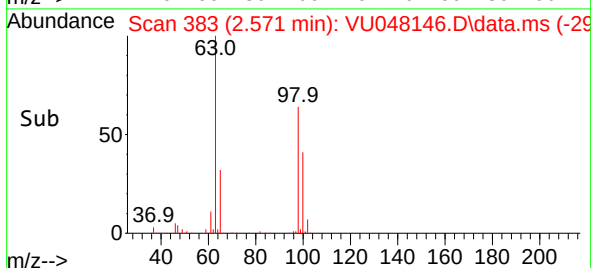
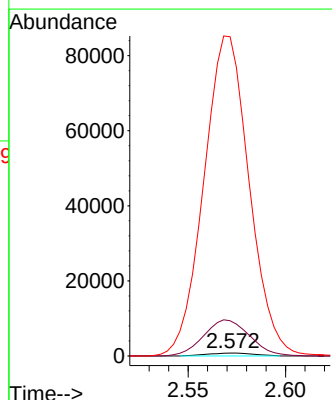
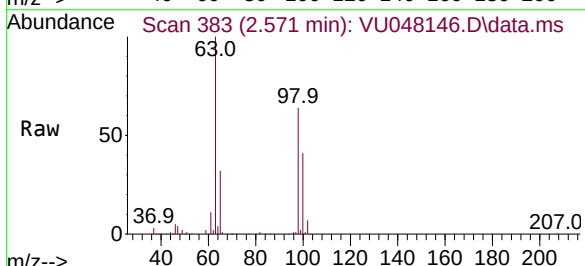
Tgt Ion: 96 Resp: 1305

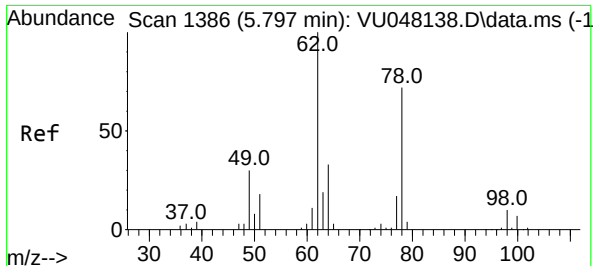
Ion Ratio Lower Upper

96 100

61 1199.1 113.1 210.1#

63 10860.8 94.8 176.0#





#27

1,2-Dichloroethane

Concen: 1.069 ug/L

RT: 5.774 min Scan# 1386

Delta R.T. -0.023 min

Lab File: VU048146.D

Acq: 20 Apr 2022 16:32

Instrument :

MSVOA_U

ClientSampleId :

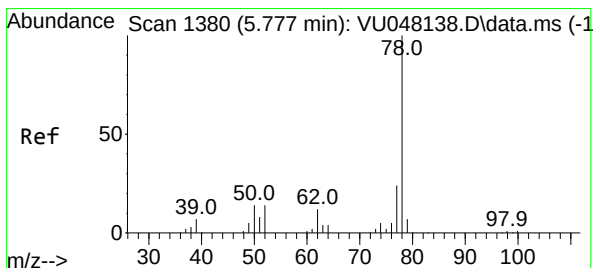
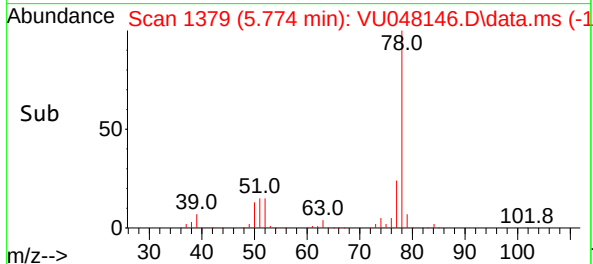
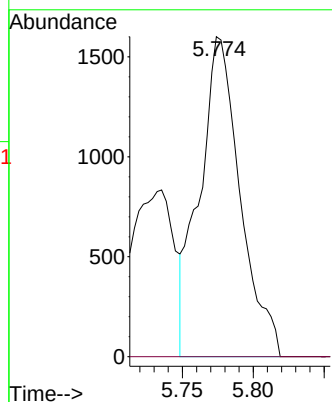
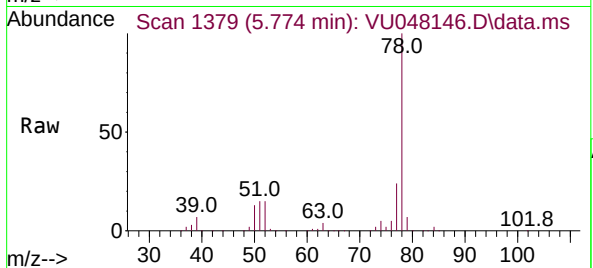
C0J16

Tgt Ion: 62 Resp: 3198

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#33

Benzene

Concen: 42.892 ug/L

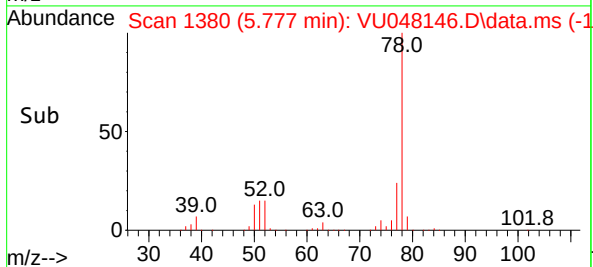
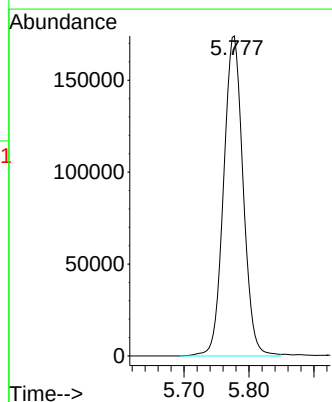
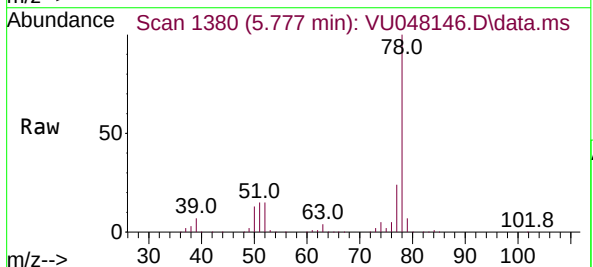
RT: 5.777 min Scan# 1380

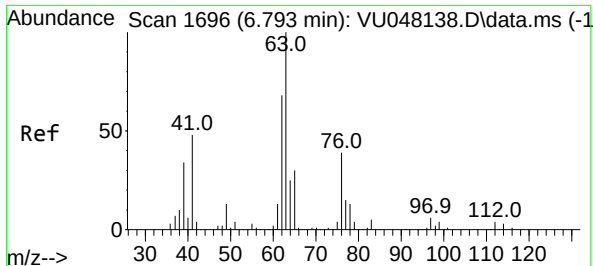
Delta R.T. -0.000 min

Lab File: VU048146.D

Acq: 20 Apr 2022 16:32

Tgt Ion: 78 Resp: 362213





#37

1,2-Dichloropropane

Concen: 6.132 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU048146.D

Acq: 20 Apr 2022 16:32

Instrument :

MSVOA_U

ClientSampleId :

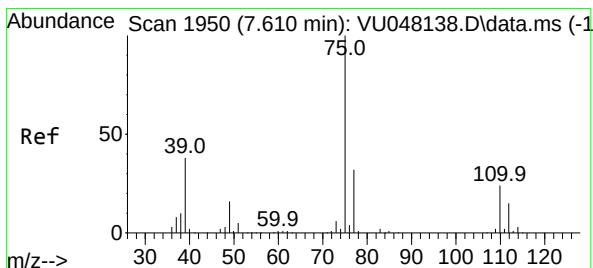
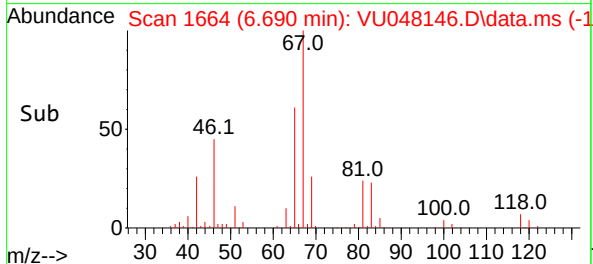
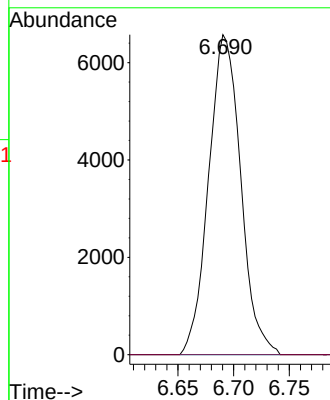
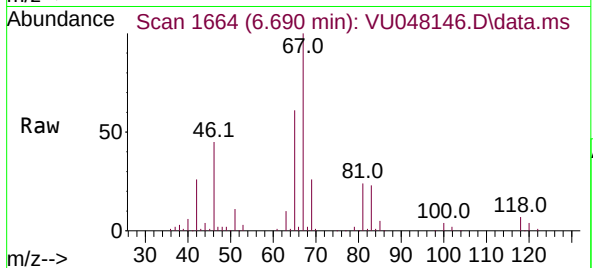
C0J16

Tgt Ion: 63 Resp: 13163

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.915 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU048146.D

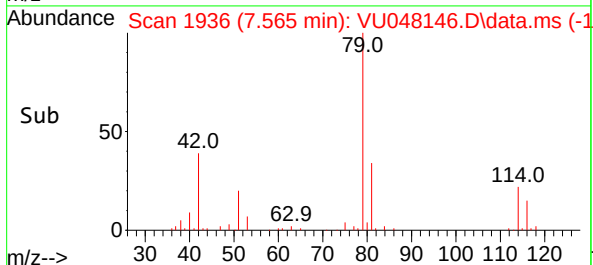
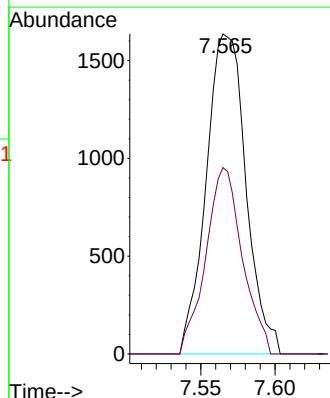
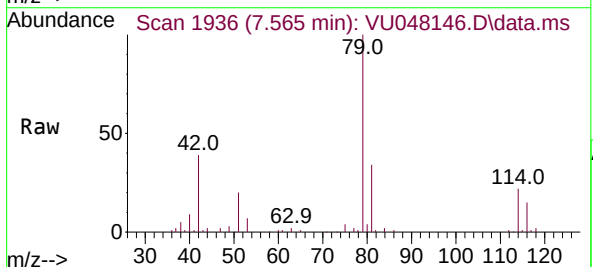
Acq: 20 Apr 2022 16:32

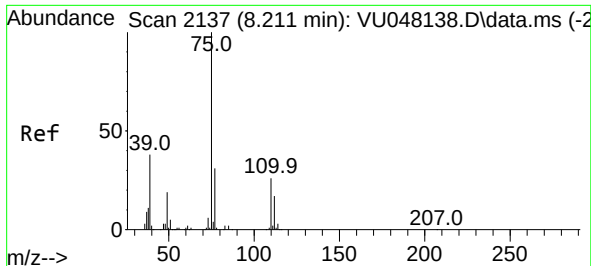
Tgt Ion: 75 Resp: 3047

Ion Ratio Lower Upper

75 100

77 58.3 21.8 40.6#

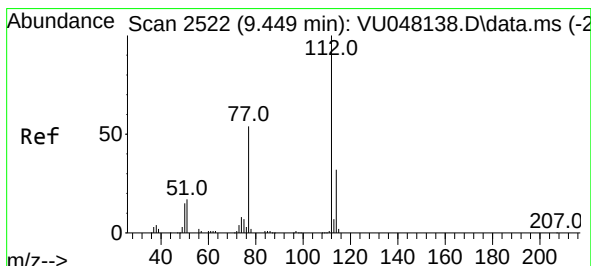
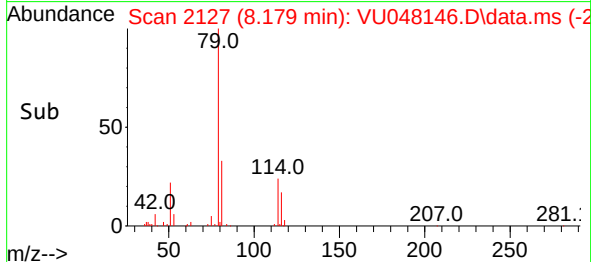
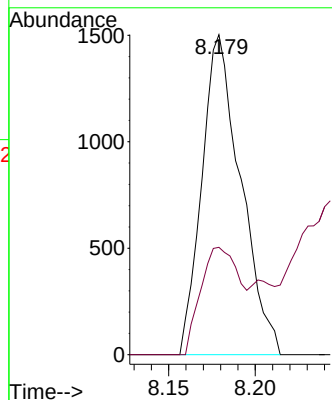
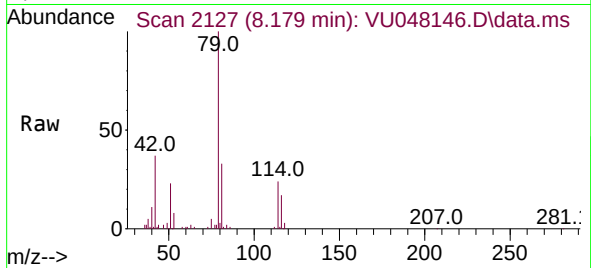




#44
trans-1,3-Dichloropropene
Concen: 0.705 ug/L
RT: 8.179 min Scan# 2137
Delta R.T. -0.032 min
Lab File: VU048146.D
Acq: 20 Apr 2022 16:32

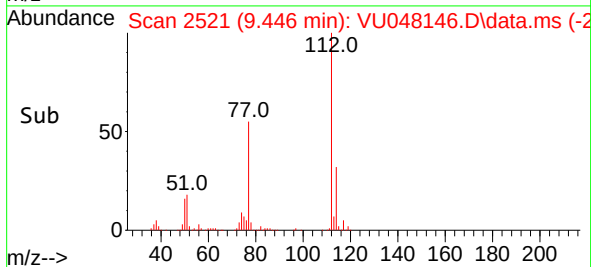
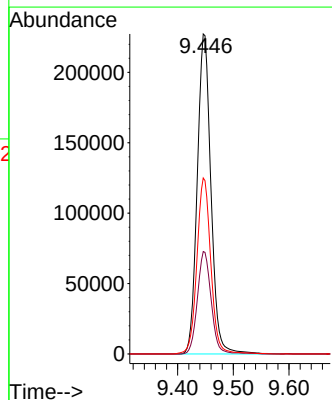
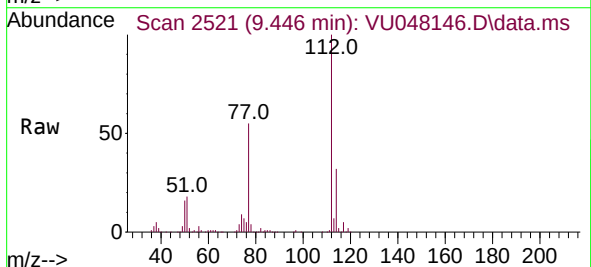
Instrument :
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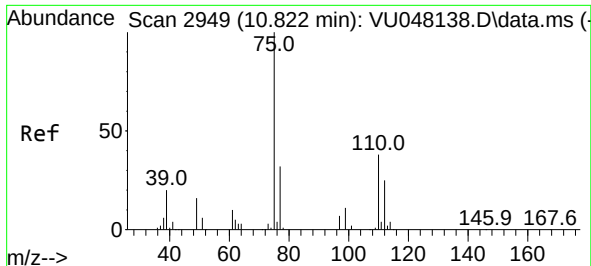
Tgt Ion: 75 Resp: 2344
Ion Ratio Lower Upper
75 100
77 33.5 22.0 40.8



#51
Chlorobenzene
Concen: 61.803 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VU048146.D
Acq: 20 Apr 2022 16:32

Tgt Ion: 112 Resp: 388828
Ion Ratio Lower Upper
112 100
114 32.0 22.1 41.1
77 55.0 43.4 65.0

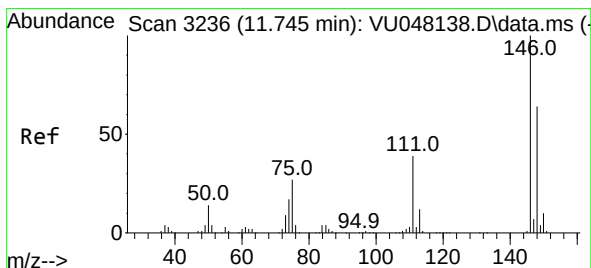
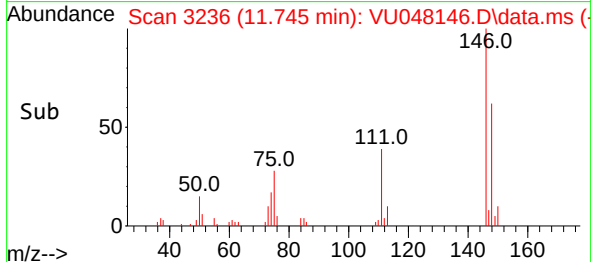
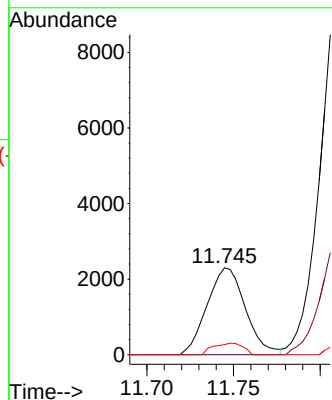
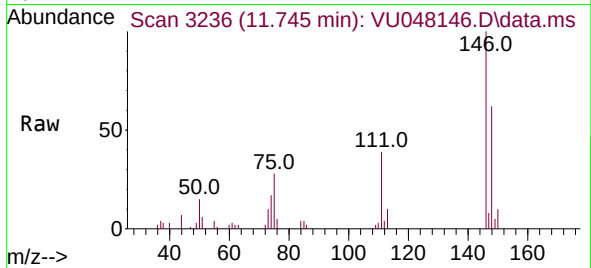




#60
1,2,3-Trichloropropane
Concen: 1.276 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.923 min
Lab File: VU048146.D
Acq: 20 Apr 2022 16:32

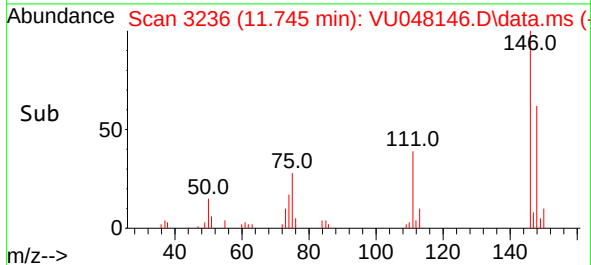
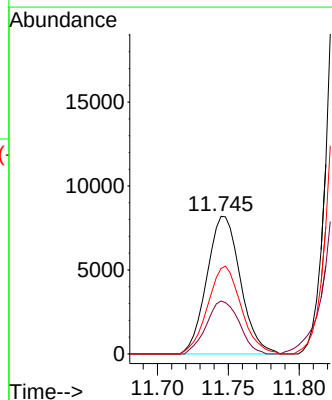
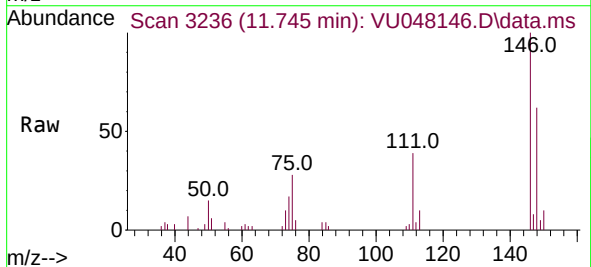
Instrument :
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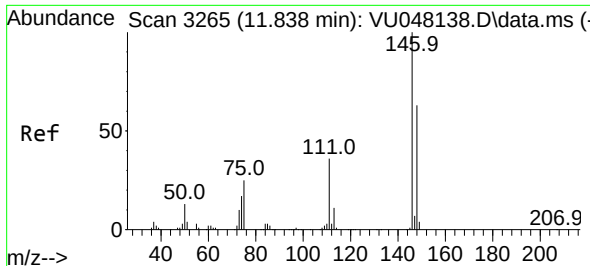
Tgt Ion: 75 Resp: 3541
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#
110 10.3 31.4 47.2#



#64
1,3-Dichlorobenzene
Concen: 3.053 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. -0.000 min
Lab File: VU048146.D
Acq: 20 Apr 2022 16:32

Tgt Ion:146 Resp: 13496
Ion Ratio Lower Upper
146 100
111 38.5 26.7 49.7
148 62.1 44.4 82.5

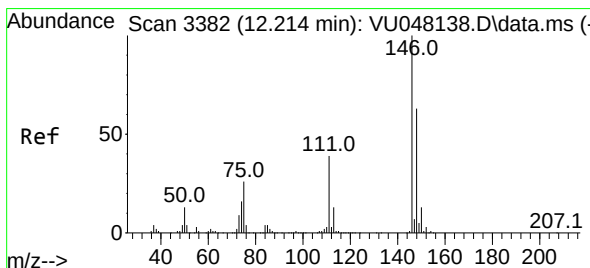
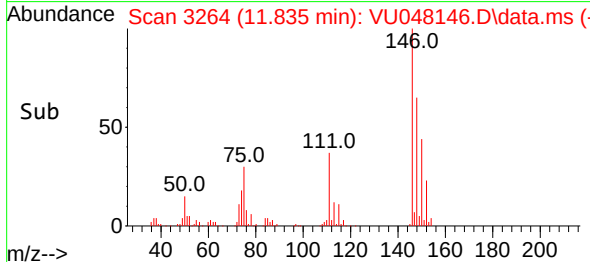
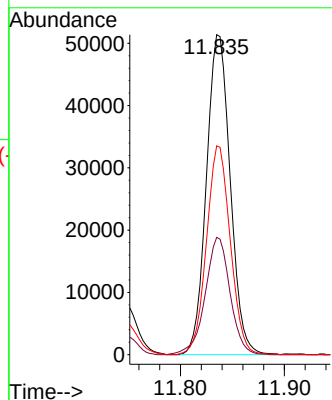
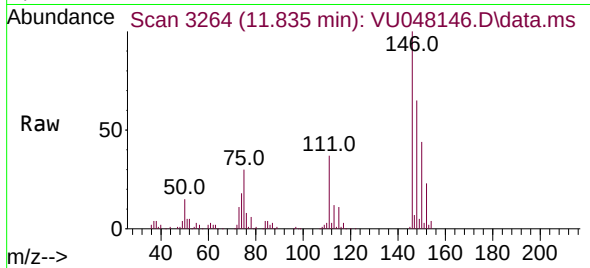




#65
1,4-Dichlorobenzene
Concen: 17.865 ug/L
RT: 11.835 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048146.D
Acq: 20 Apr 2022 16:32

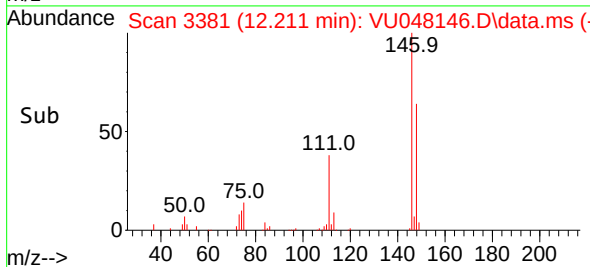
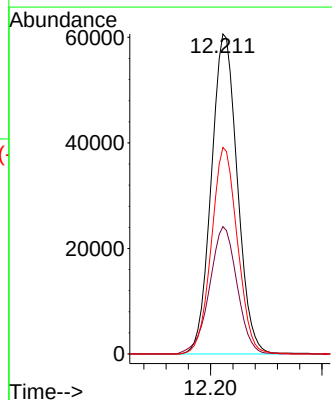
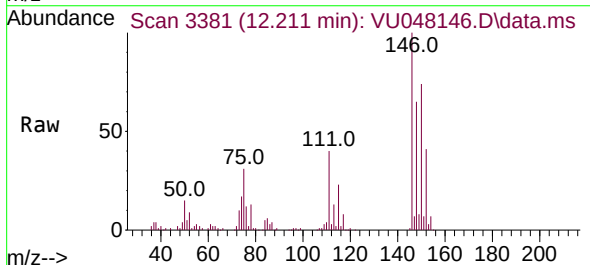
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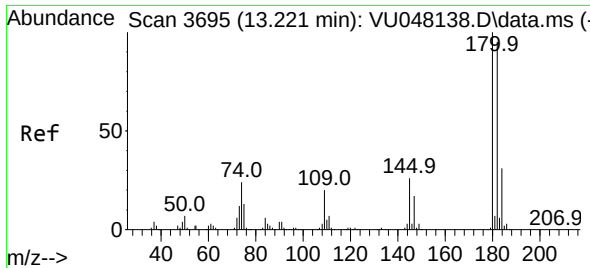
Tgt Ion:146 Resp: 81809
Ion Ratio Lower Upper
146 100
111 36.6 25.3 47.1
148 65.2 44.5 82.7



#67
1,2-Dichlorobenzene
Concen: 22.237 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.003 min
Lab File: VU048146.D
Acq: 20 Apr 2022 16:32

Tgt Ion:146 Resp: 98368
Ion Ratio Lower Upper
146 100
111 39.8 31.7 47.5
148 64.5 51.4 77.2

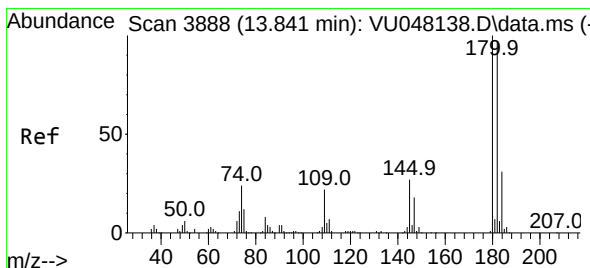
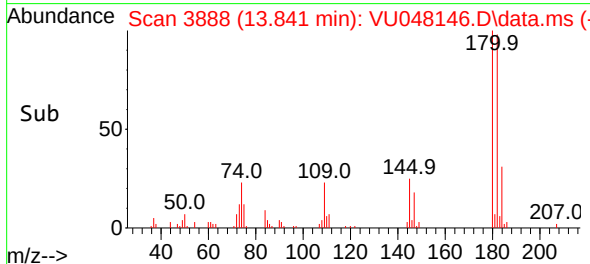
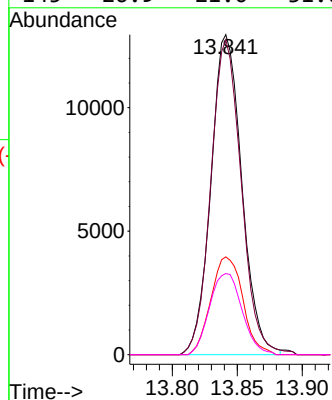
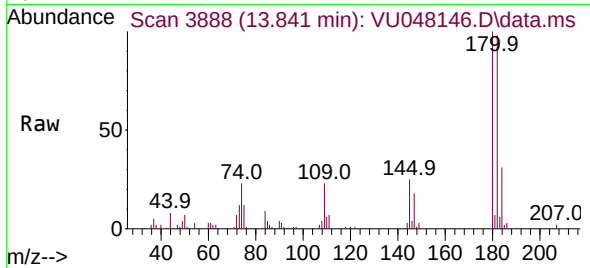




#69
 1,3,5-Trichlorobenzene
 Concen: 5.937 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.620 min
 Lab File: VU048146.D
 Acq: 20 Apr 2022 16:32

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J16

Tgt Ion:180	Resp:	21316
Ion Ratio	Lower	Upper
180	100	
182	97.3	77.0 115.6
184	31.7	24.5 36.7
145	26.9	21.0 31.6



#70
 1,2,4-trichlorobenzene
 Concen: 6.778 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU048146.D
 Acq: 20 Apr 2022 16:32

Tgt Ion:180	Resp:	21316
Ion Ratio	Lower	Upper
180	100	
182	97.3	76.2 114.2
145	26.9	21.8 32.8

