

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090122\
 Data File : VU050581.D
 Acq On : 01 Sep 2022 15:23
 Operator : SY/MD
 Sample : N4458-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KW3

Quant Time: Sep 02 02:09:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM083022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 02 02:07:32 2022
 Response via : Initial Calibration

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

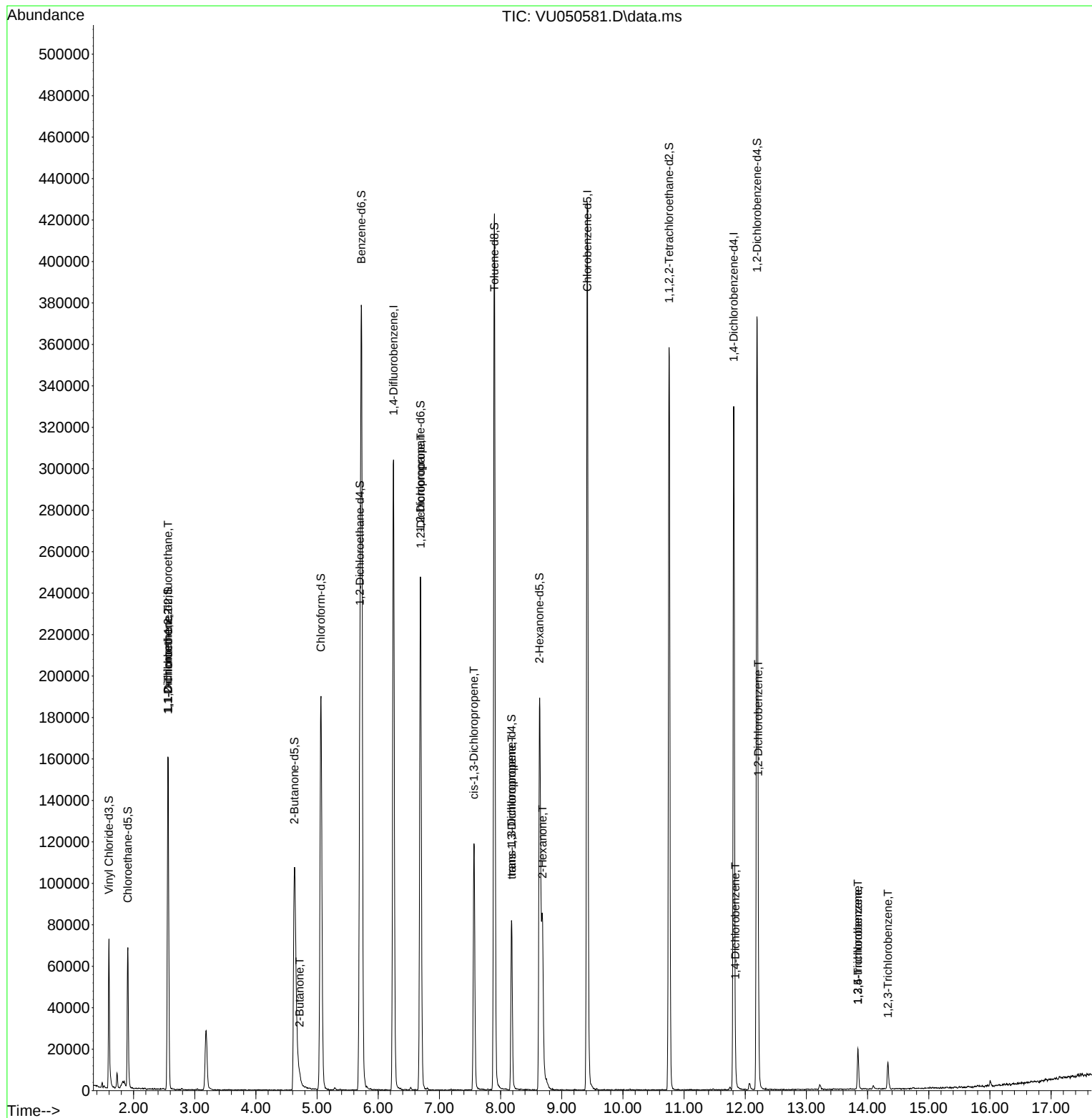
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	252711	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	247357	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	90576	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	56426	29.113	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	58.220%	#	
7) Chloroethane-d5	1.906	69	49926	33.039	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	66.080%	#	
11) 1,1-Dichloroethene-d2	2.562	63	95886	29.301	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	58.600%	#	
21) 2-Butanone-d5	4.629	46	141176	83.285	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	83.280%		
24) Chloroform-d	5.063	84	183163	48.567	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.140%		
26) 1,2-Dichloroethane-d4	5.700	65	126218	51.524	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.040%		
32) Benzene-d6	5.726	84	354248	46.207	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.420%		
36) 1,2-Dichloropropane-d6	6.690	67	123015	48.190	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.380%		
41) Toluene-d8	7.899	98	291352	43.683	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.360%		
43) trans-1,3-Dichloroprop...	8.179	79	49049	47.776	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.560%		
47) 2-Hexanone-d5	8.635	63	59915	64.824	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	64.820%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	182527	45.842	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.680%		
66) 1,2-Dichlorobenzene-d4	12.192	152	99752	50.867	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.740%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	916	0.550	ug/L #	20
12) 1,1-Dichloroethene	2.565	96	674	0.387	ug/L #	1
22) 2-Butanone	4.713	43	3737	1.835	ug/L #	52
37) 1,2-Dichloropropane	6.693	63	12632	5.134	ug/L #	90
39) cis-1,3-Dichloropropene	7.565	75	3137	0.968	ug/L #	82
44) trans-1,3-Dichloropropene	8.182	75	2206	0.747	ug/L	89
48) 2-Hexanone	8.687	43	41001	13.468	ug/L	96
65) 1,4-Dichlorobenzene	11.838	146	3452	1.105	ug/L	94
67) 1,2-Dichlorobenzene	12.211	146	14532	4.350	ug/L	94
69) 1,3,5-Trichlorobenzene	13.841	180	6617	3.138	ug/L	96
70) 1,2,4-trichlorobenzene	13.841	180	6617	3.528	ug/L	95
72) 1,2,3-Trichlorobenzene	14.333	180	5118	2.361	ug/L	98

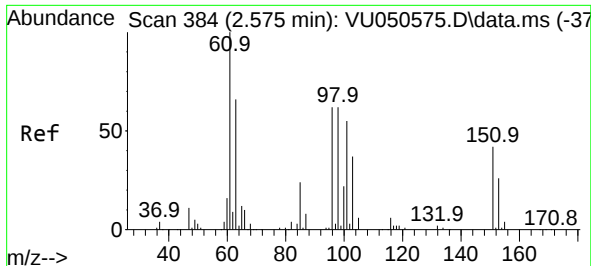
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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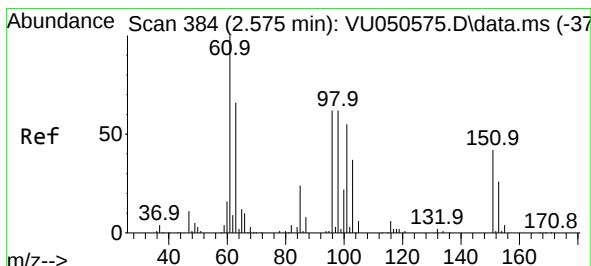
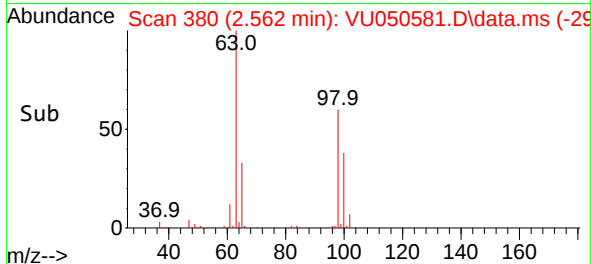
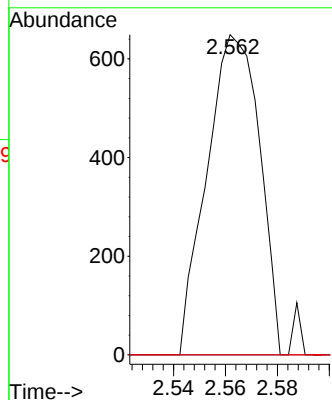
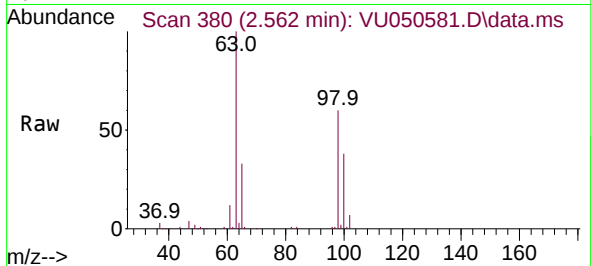




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.550 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.013 min
Lab File: VU050581.D
Acq: 01 Sep 2022 15:23

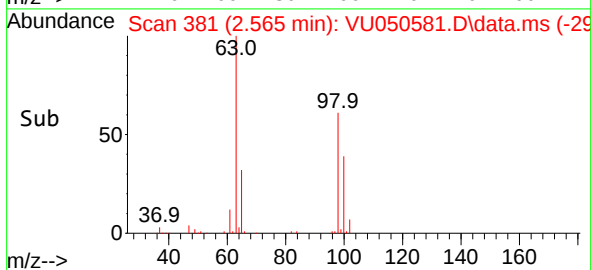
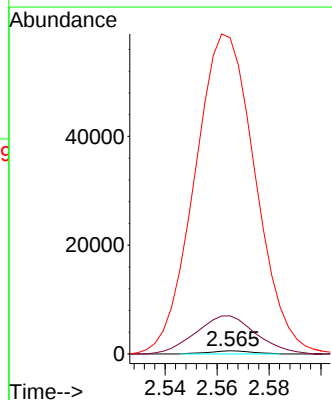
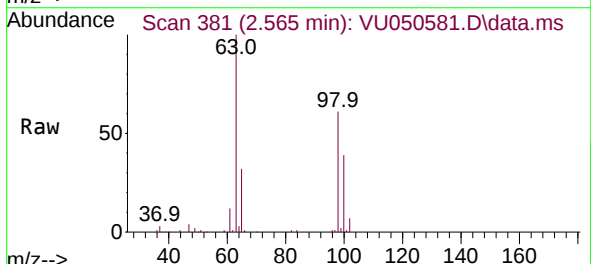
Instrument :
MSVOA_U
ClientSampleId :
C0KW3

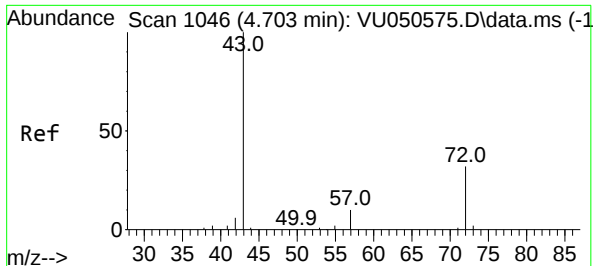
Tgt Ion:101 Resp: 916
Ion Ratio Lower Upper
101 100
85 0.0 34.6 52.0#
151 0.0 58.2 87.2#



#12
1,1-Dichloroethene
Concen: 0.387 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.010 min
Lab File: VU050581.D
Acq: 01 Sep 2022 15:23

Tgt Ion: 96 Resp: 674
Ion Ratio Lower Upper
96 100
61 1202.9 113.5 210.9#
63 9990.4 78.0 144.9#





#22

2-Butanone

Concen: 1.835 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. 0.009 min

Lab File: VU050581.D

Acq: 01 Sep 2022 15:23

Instrument :

MSVOA_U

ClientSampleId :

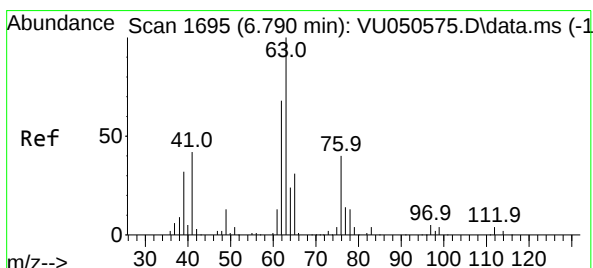
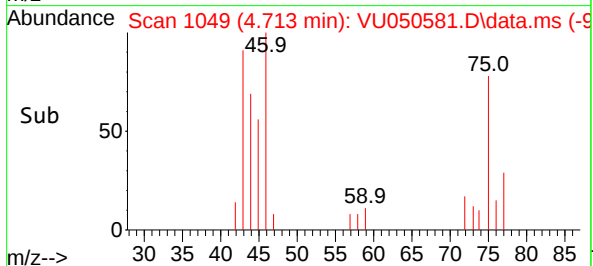
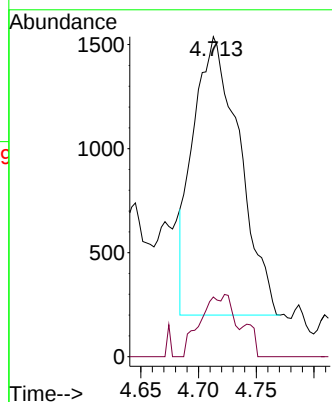
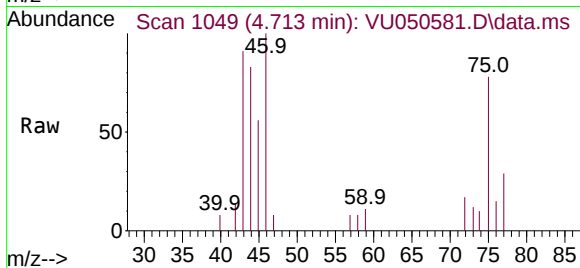
C0KW3

Tgt Ion: 43 Resp: 3737

Ion Ratio Lower Upper

43 100

72 3.9 14.8 44.3#



#37

1,2-Dichloropropane

Concen: 5.134 ug/L

RT: 6.693 min Scan# 1665

Delta R.T. -0.097 min

Lab File: VU050581.D

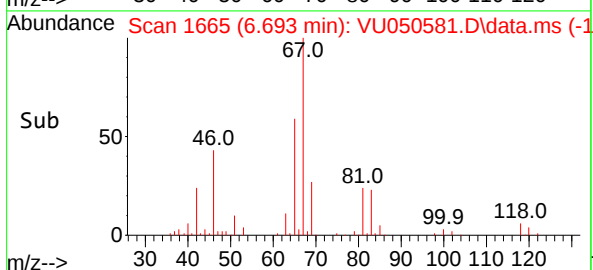
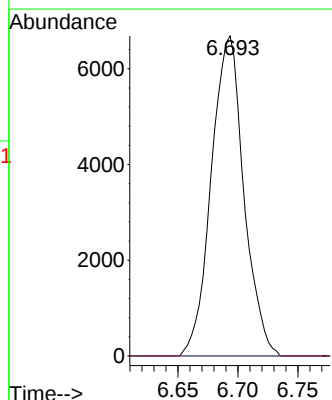
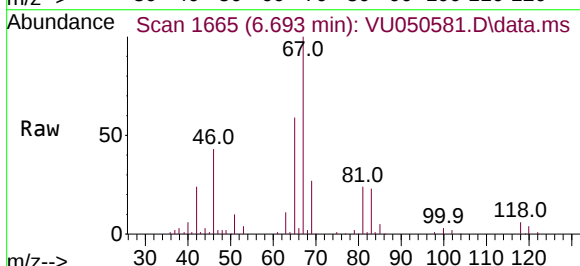
Acq: 01 Sep 2022 15:23

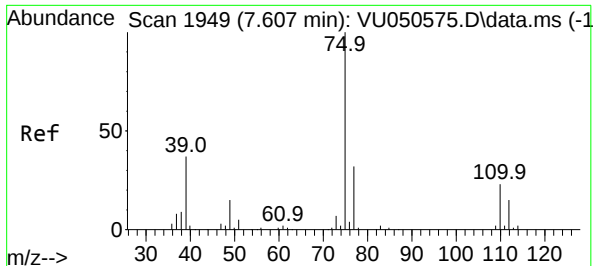
Tgt Ion: 63 Resp: 12632

Ion Ratio Lower Upper

63 100

112 0.3 3.0 4.4#





#39

cis-1,3-Dichloropropene

Concen: 0.968 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU050581.D

Acq: 01 Sep 2022 15:23

Instrument :

MSVOA_U

ClientSampleId :

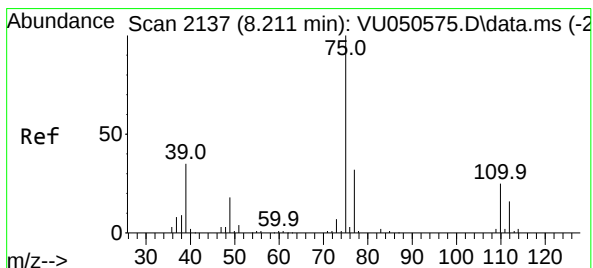
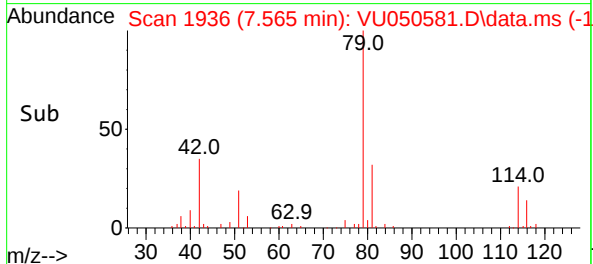
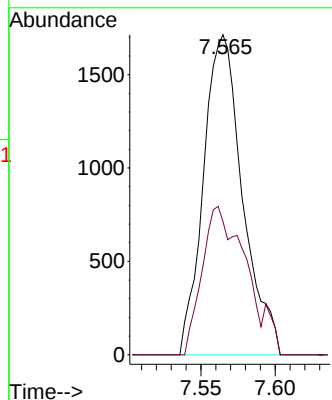
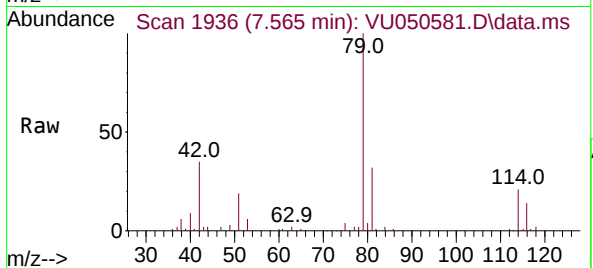
C0KW3

Tgt Ion: 75 Resp: 3137

Ion Ratio Lower Upper

75 100

77 41.7 22.1 41.1#



#44

trans-1,3-Dichloropropene

Concen: 0.747 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.029 min

Lab File: VU050581.D

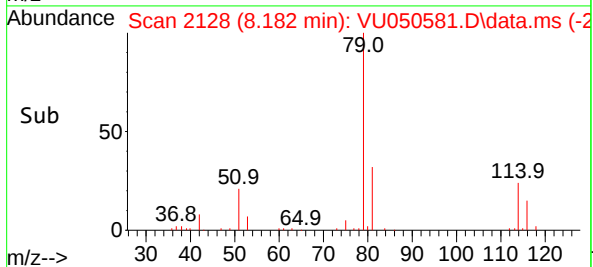
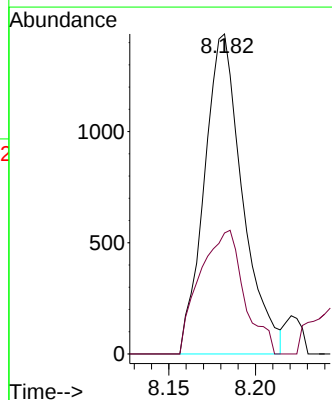
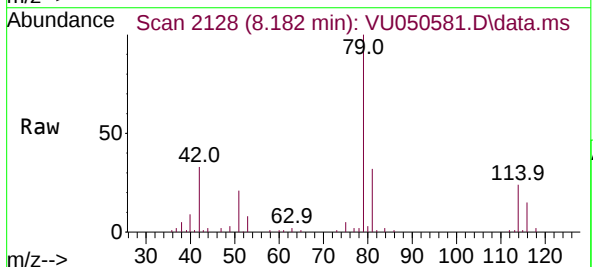
Acq: 01 Sep 2022 15:23

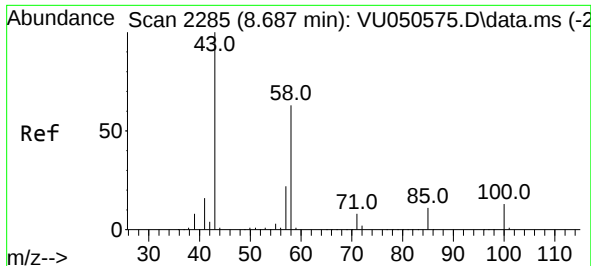
Tgt Ion: 75 Resp: 2206

Ion Ratio Lower Upper

75 100

77 37.8 22.2 41.2

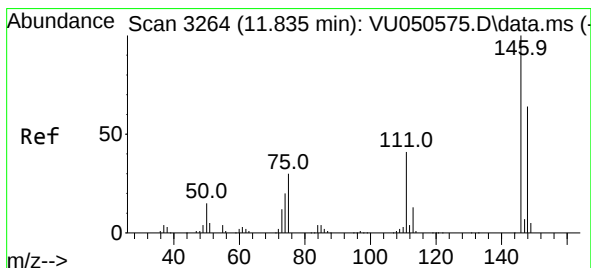
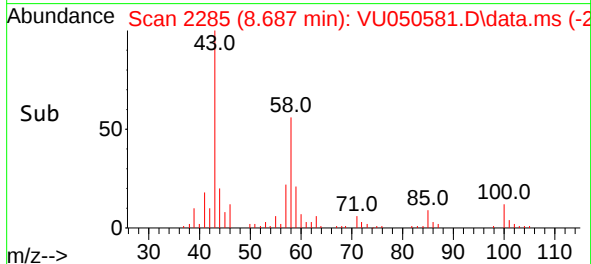
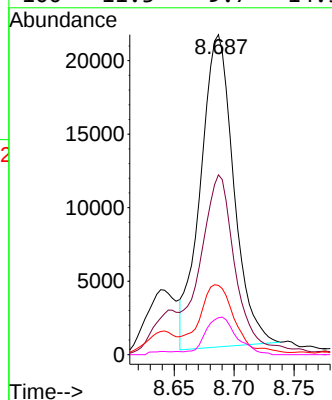
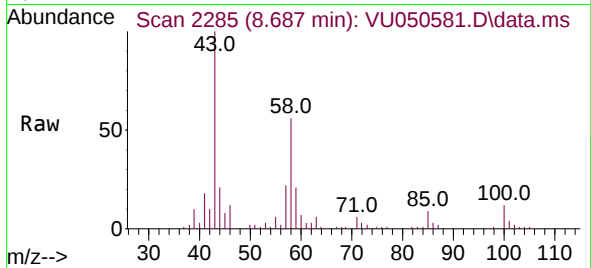




#48
2-Hexanone
Concen: 13.468 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050581.D
Acq: 01 Sep 2022 15:23

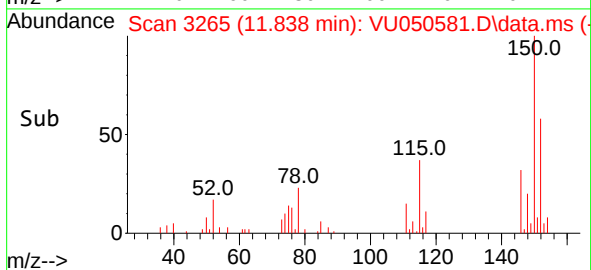
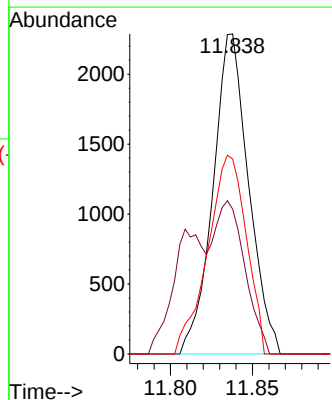
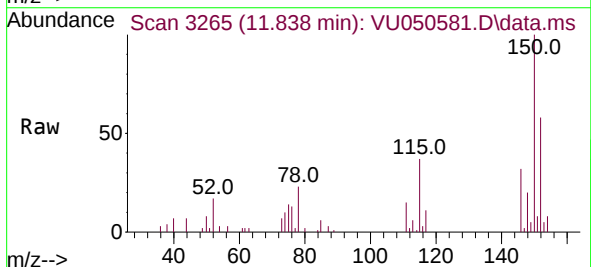
Instrument :
MSVOA_U
ClientSampleId :
C0KW3

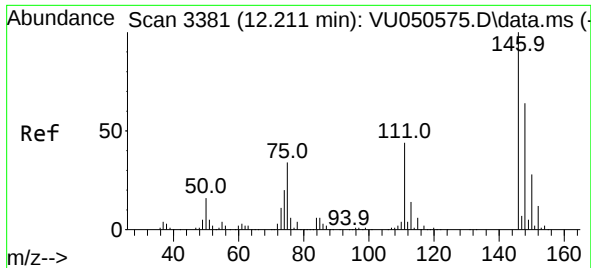
Tgt Ion:	43	Resp:	41001
Ion	Ratio	Lower	Upper
43	100		
58	54.8	46.6	69.8
57	18.9	15.8	23.6
100	11.3	9.7	14.5



#65
1,4-Dichlorobenzene
Concen: 1.105 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU050581.D
Acq: 01 Sep 2022 15:23

Tgt Ion:	146	Resp:	3452
Ion	Ratio	Lower	Upper
146	100		
111	45.2	28.2	52.4
148	60.9	45.0	83.6





#67

1,2-Dichlorobenzene

Concen: 4.350 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU050581.D

Acq: 01 Sep 2022 15:23

Instrument :

MSVOA_U

ClientSampleId :

C0KW3

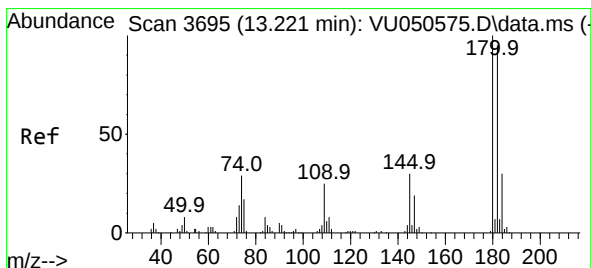
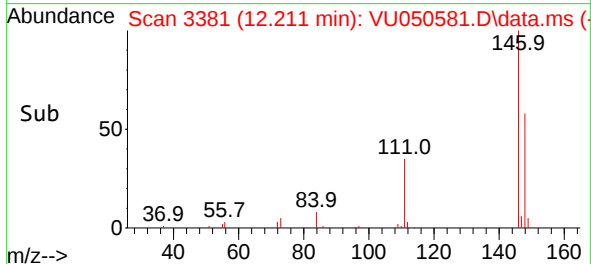
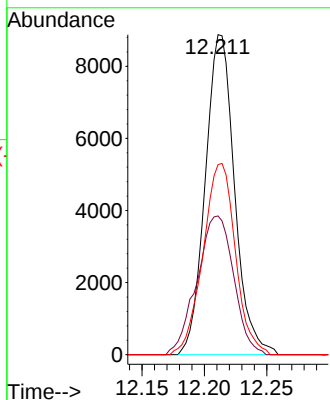
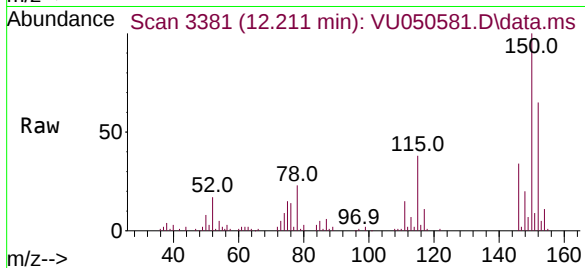
Tgt Ion:146 Resp: 14532

Ion Ratio Lower Upper

146 100

111 40.9 33.4 50.2

148 56.0 49.9 74.9



#69

1,3,5-Trichlorobenzene

Concen: 3.138 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.620 min

Lab File: VU050581.D

Acq: 01 Sep 2022 15:23

Tgt Ion:180 Resp: 6617

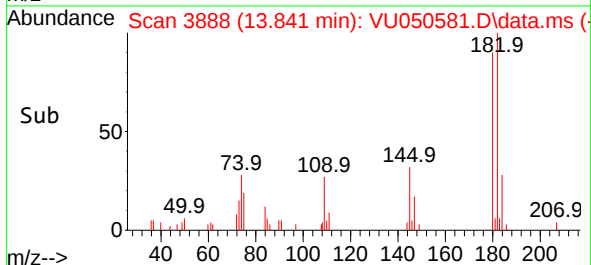
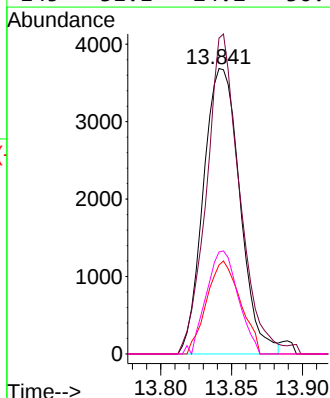
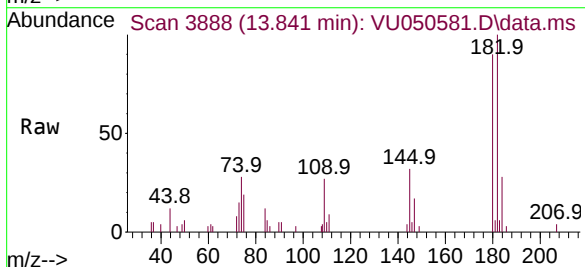
Ion Ratio Lower Upper

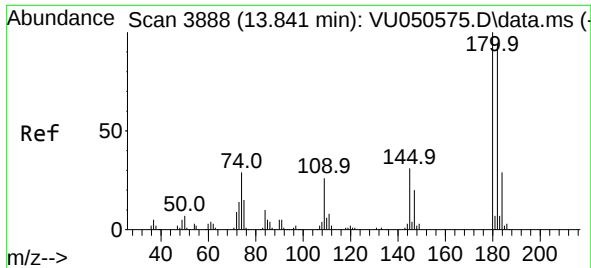
180 100

182 101.3 76.3 114.5

184 29.9 24.4 36.6

145 31.1 24.2 36.4

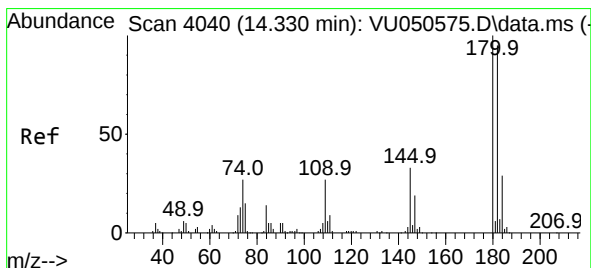
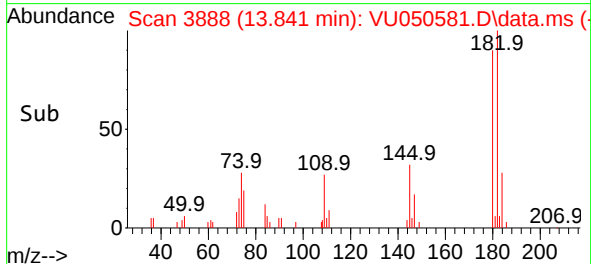
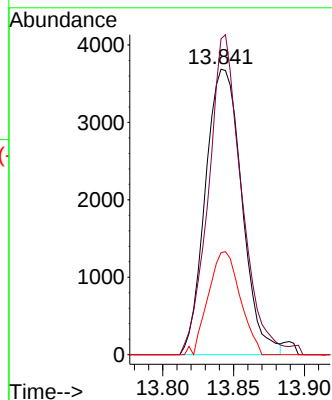
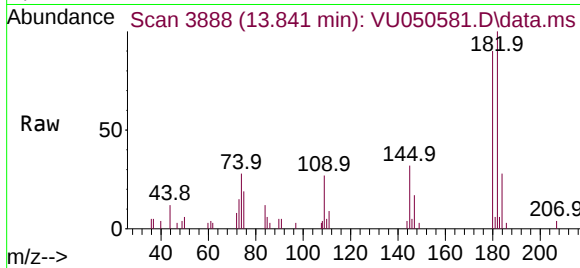




#70
 1,2,4-trichlorobenzene
 Concen: 3.528 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU050581.D
 Acq: 01 Sep 2022 15:23

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KW3

Tgt Ion:180 Resp: 6617
 Ion Ratio Lower Upper
 180 100
 182 101.3 76.6 115.0
 145 31.1 24.2 36.4



#72
 1,2,3-Trichlorobenzene
 Concen: 2.361 ug/L
 RT: 14.333 min Scan# 4041
 Delta R.T. 0.003 min
 Lab File: VU050581.D
 Acq: 01 Sep 2022 15:23

Tgt Ion:180 Resp: 5118
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.0 114.0
 145 35.8 26.2 39.2

