

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053437.D
 Acq On : 28 Mar 2023 16:40
 Operator : JC/MD
 Sample : 02037-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45E6

Quant Time: Mar 29 01:13:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 29 01:10:06 2023
 Response via : Initial Calibration

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

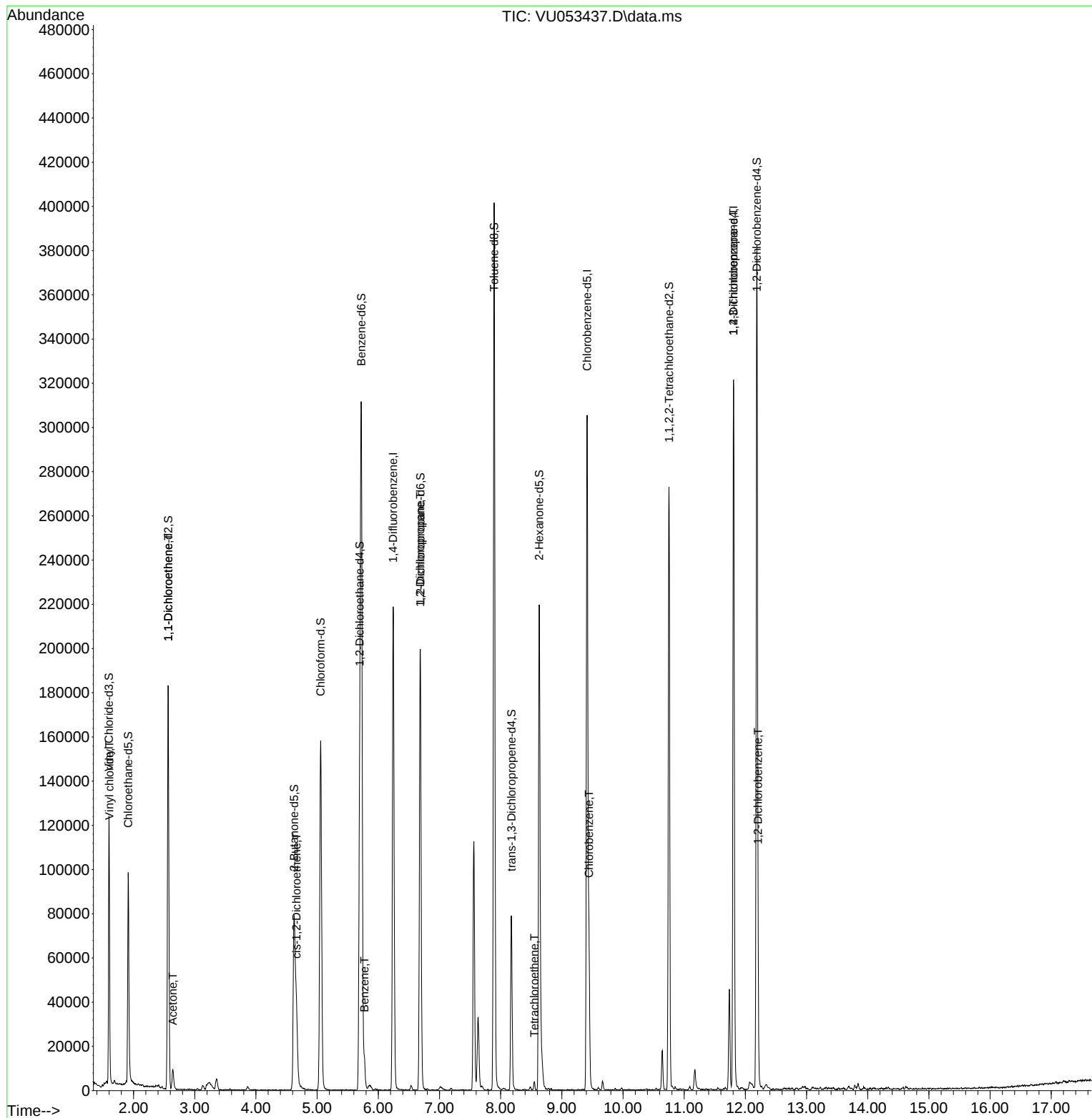
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	174933	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	166902	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	83018	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	86797	53.782	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 107.560%			
7) Chloroethane-d5	1.912	69	70202	53.778	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.560%			
11) 1,1-Dichloroethene-d2	2.565	63	107446	38.432	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 76.860%			
21) 2-Butanone-d5	4.623	46	124222	165.958	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 165.960%#			
24) Chloroform-d	5.057	84	138876	52.246	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.500%			
26) 1,2-Dichloroethane-d4	5.697	65	93236	56.479	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 112.960%			
32) Benzene-d6	5.722	84	282324	52.152	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.300%			
36) 1,2-Dichloropropane-d6	6.687	67	96935	55.481	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 110.960%			
41) Toluene-d8	7.893	98	260347	51.654	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.300%			
43) trans-1,3-Dichloroprop...	8.176	79	42718	49.555	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 99.100%			
47) 2-Hexanone-d5	8.629	63	71973	131.762	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 131.760%#			
56) 1,1,2,2-Tetrachloroeth...	10.751	84	134364	59.365	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 118.740%			
66) 1,2-Dichlorobenzene-d4	12.188	152	94019	58.489	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 116.980%			
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	2695	1.464	ug/L #	1
12) 1,1-Dichloroethene	2.565	96	849	0.661	ug/L #	1
13) Acetone	2.642	43	3589	4.210	ug/L	81
20) cis-1,2-Dichloroethene	4.665	96	14169	9.255	ug/L	96
33) Benzene	5.774	78	11568	1.999	ug/L	100
37) 1,2-Dichloropropane	6.684	63	9914	6.141	ug/L #	90
46) Tetrachloroethene	8.552	164	891	0.908	ug/L #	64
51) Chlorobenzene	9.443	112	32835	8.469	ug/L	95
60) 1,2,3-Trichloropropane	11.806	75	11003	6.670	ug/L #	69
67) 1,2-Dichlorobenzene	12.208	146	5051	1.837	ug/L	90

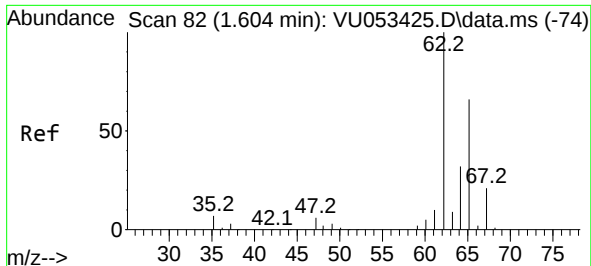
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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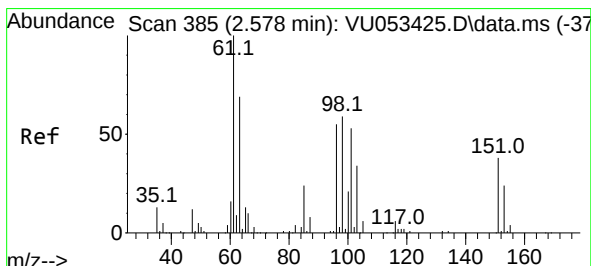
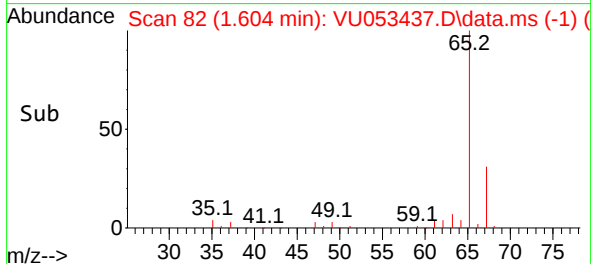
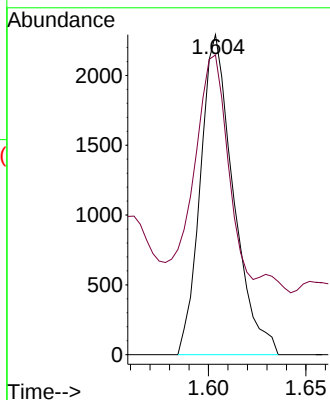
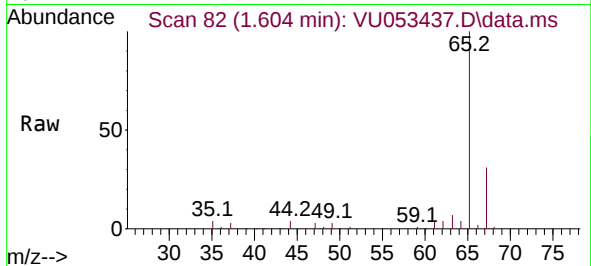




#5
 Vinyl chloride
 Concen: 1.464 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053437.D
 Acq: 28 Mar 2023 16:40

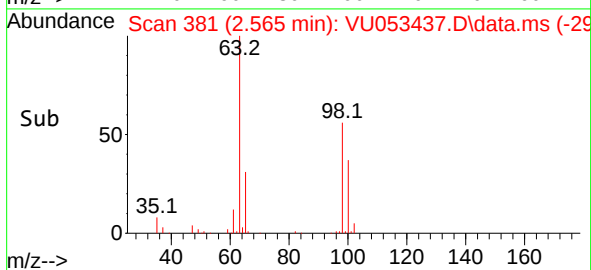
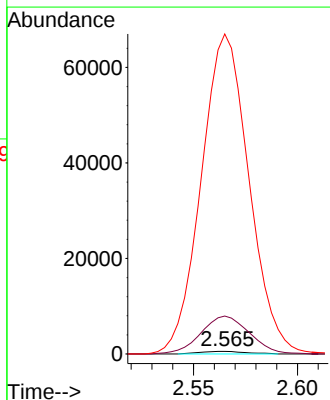
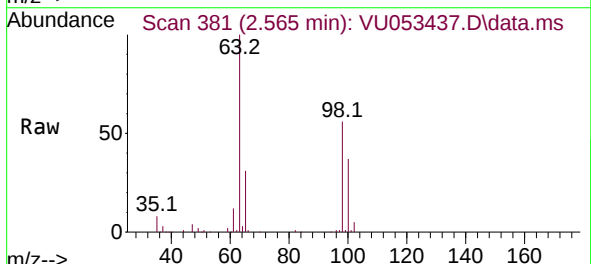
Instrument :
 MSVOA_U
 ClientSampleId :
 E45E6

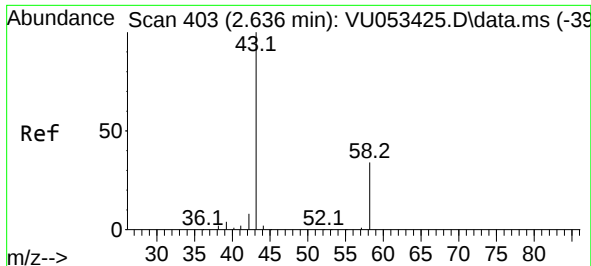
Tgt Ion: 62 Resp: 2695
 Ion Ratio Lower Upper
 62 100
 64 93.7 23.2 43.0#



#12
 1,1-Dichloroethene
 Concen: 0.661 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.013 min
 Lab File: VU053437.D
 Acq: 28 Mar 2023 16:40

Tgt Ion: 96 Resp: 849
 Ion Ratio Lower Upper
 96 100
 61 1432.3 122.2 226.9#
 63 12095.3 89.9 166.9#





#13

Acetone

Concen: 4.210 ug/L

RT: 2.642 min Scan# 403

Delta R.T. 0.006 min

Lab File: VU053437.D

Acq: 28 Mar 2023 16:40

Instrument :

MSVOA_U

ClientSampleId :

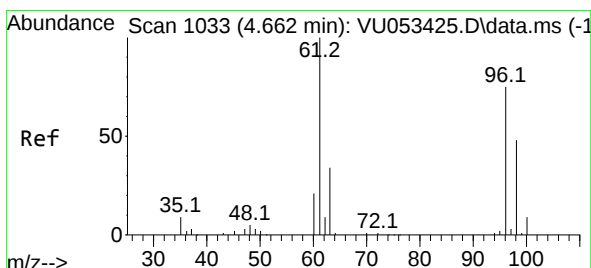
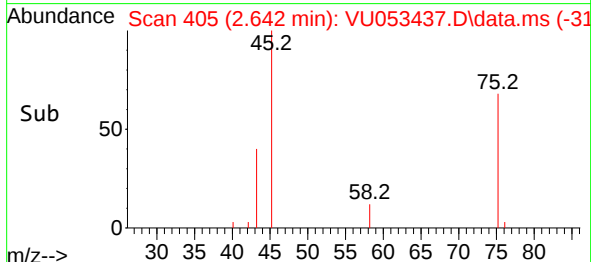
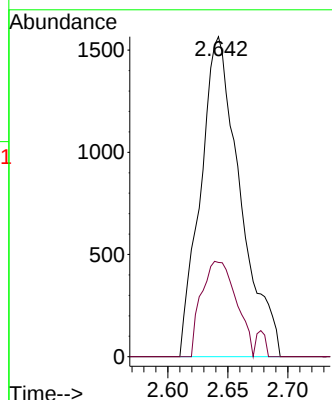
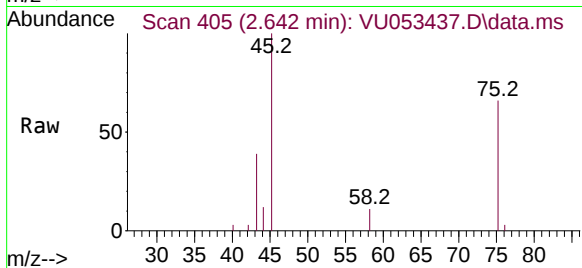
E45E6

Tgt Ion: 43 Resp: 3589

Ion Ratio Lower Upper

43 100

58 26.2 0.0 75.0



#20

cis-1,2-Dichloroethene

Concen: 9.255 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU053437.D

Acq: 28 Mar 2023 16:40

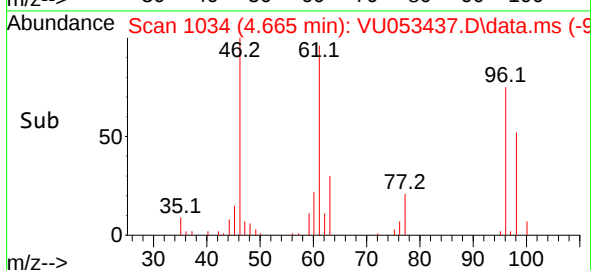
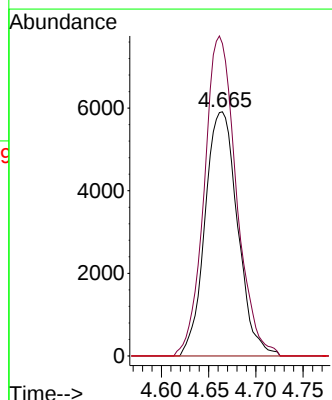
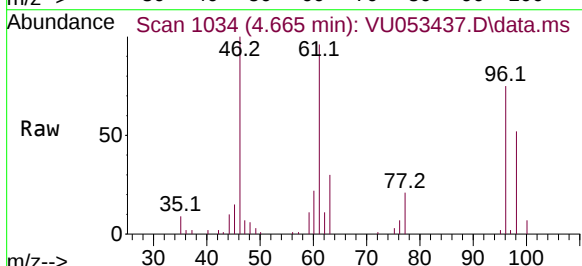
Tgt Ion: 96 Resp: 14169

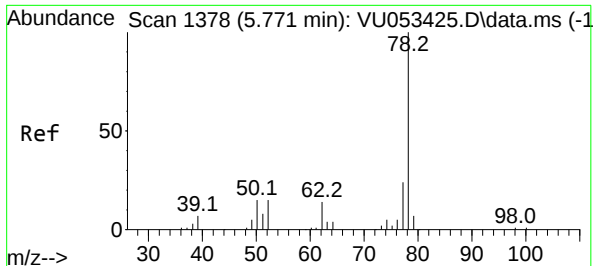
Ion Ratio Lower Upper

96 100

61 127.9 92.5 171.7

68 0.0 0.0 0.0

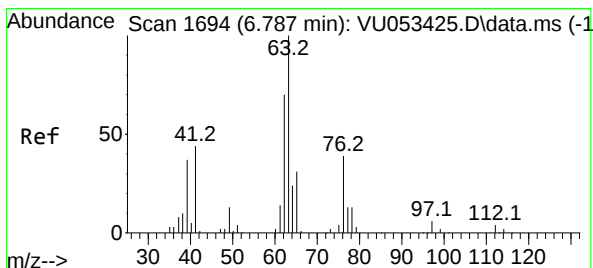
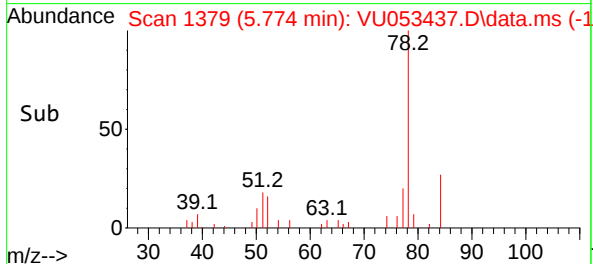
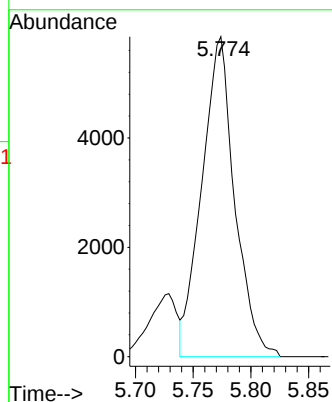
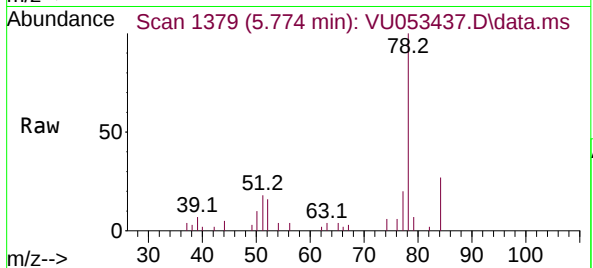




#33
Benzene
Concen: 1.999 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU053437.D
Acq: 28 Mar 2023 16:40

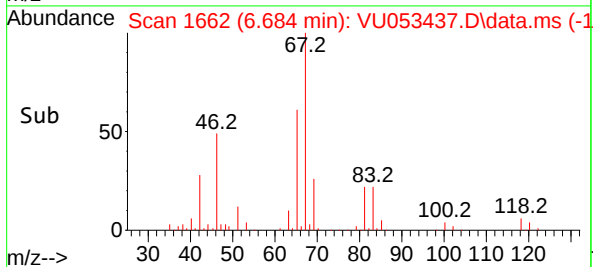
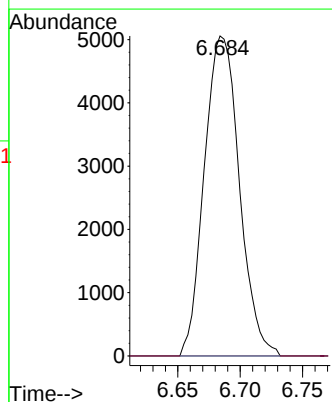
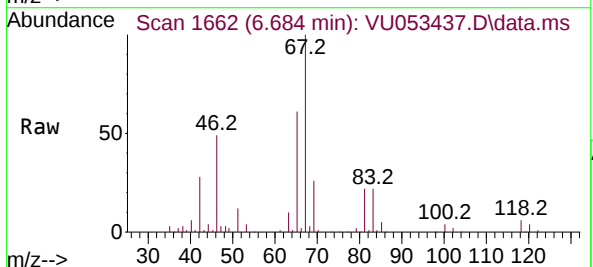
Instrument :
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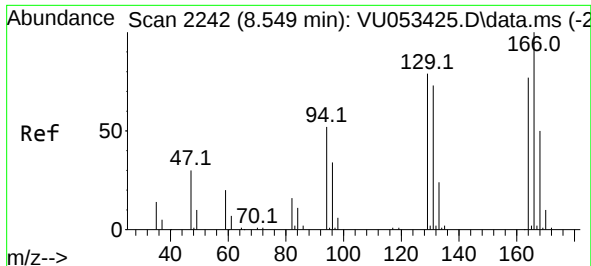
Tgt Ion: 78 Resp: 11568



#37
1,2-Dichloropropane
Concen: 6.141 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.103 min
Lab File: VU053437.D
Acq: 28 Mar 2023 16:40

Tgt Ion: 63 Resp: 9914
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#

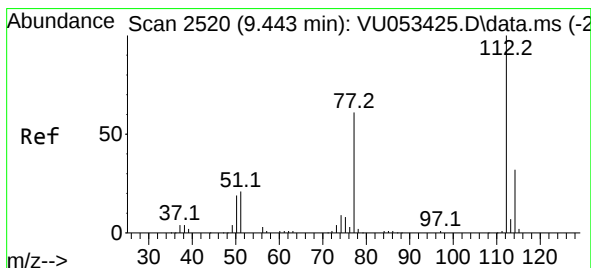
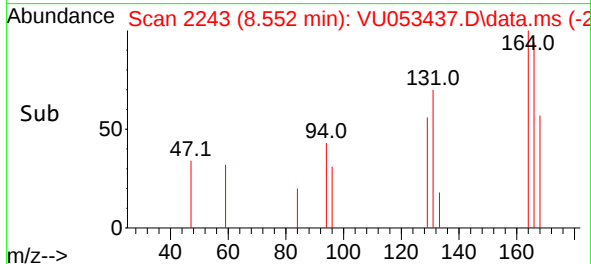
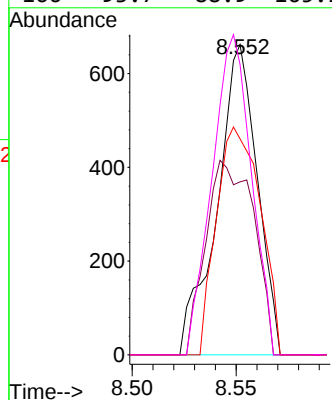
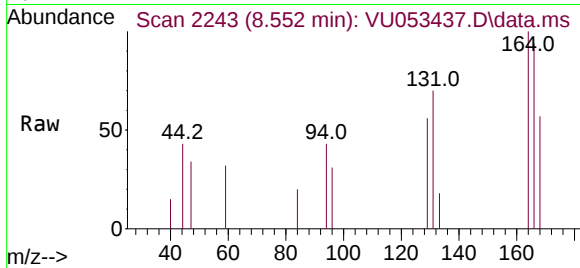




#46
Tetrachloroethene
Concen: 0.908 ug/L
RT: 8.552 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053437.D
Acq: 28 Mar 2023 16:40

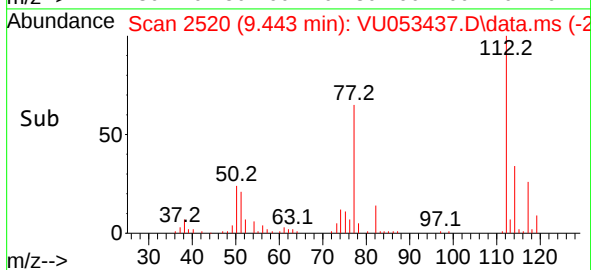
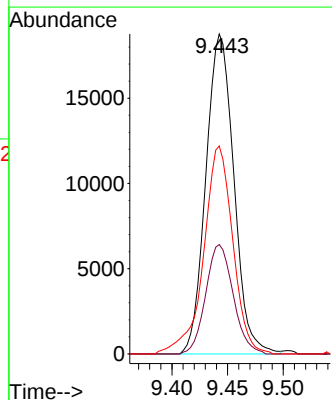
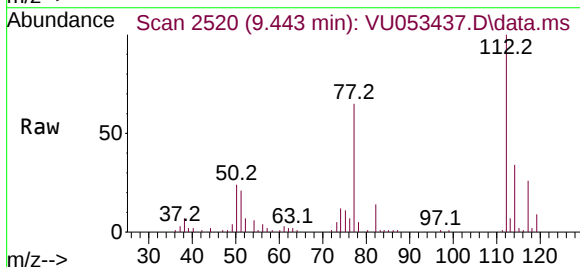
Instrument :
MSVOA_U
ClientSampleId :
E45E6

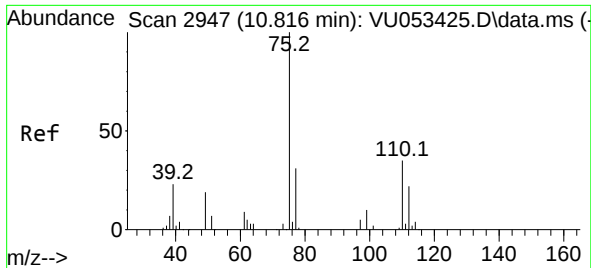
Tgt Ion:164 Resp: 891
Ion Ratio Lower Upper
164 100
129 55.7 73.6 136.8#
131 69.6 70.3 130.7#
166 93.7 88.9 165.1



#51
Chlorobenzene
Concen: 8.469 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053437.D
Acq: 28 Mar 2023 16:40

Tgt Ion:112 Resp: 32835
Ion Ratio Lower Upper
112 100
114 34.2 21.8 40.6
77 65.0 48.8 73.2

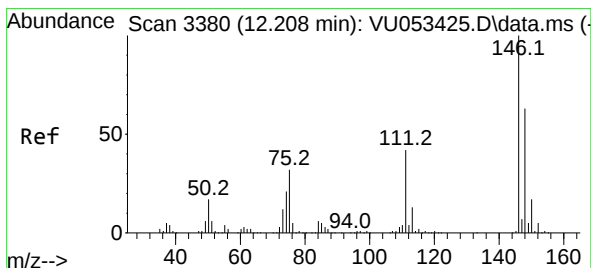
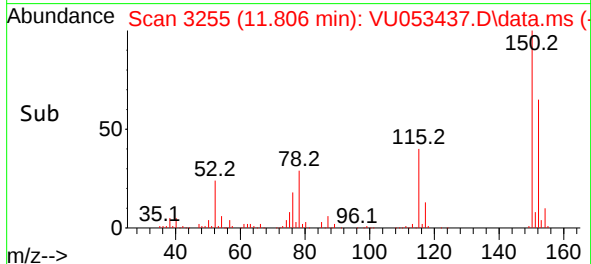
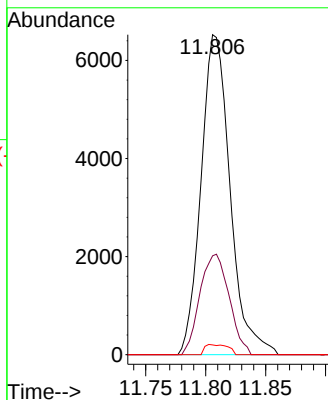
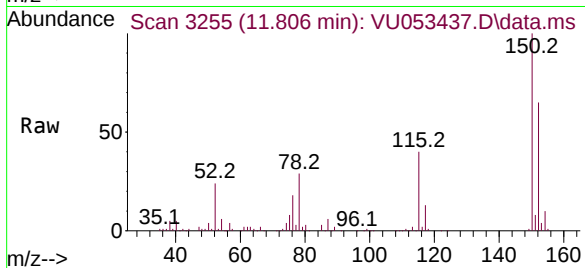




#60
1,2,3-Trichloropropane
Concen: 6.670 ug/L
RT: 11.806 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU053437.D
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MSVOA_U
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Tgt Ion: 75 Resp: 11003
Ion Ratio Lower Upper
75 100
77 31.5 26.6 40.0
110 2.5 28.6 42.8#



#67
1,2-Dichlorobenzene
Concen: 1.837 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU053437.D
Acq: 28 Mar 2023 16:40

Tgt Ion: 146 Resp: 5051
Ion Ratio Lower Upper
146 100
111 51.2 37.0 55.4
148 72.9 51.4 77.2

