

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032323\
 Data File : VU053383.D
 Acq On : 23 Mar 2023 20:50
 Operator : JC/MD
 Sample : 02037-11 200X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45F2

Quant Time: Mar 24 12:22:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 23 02:41:20 2023
 Response via : Initial Calibration

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

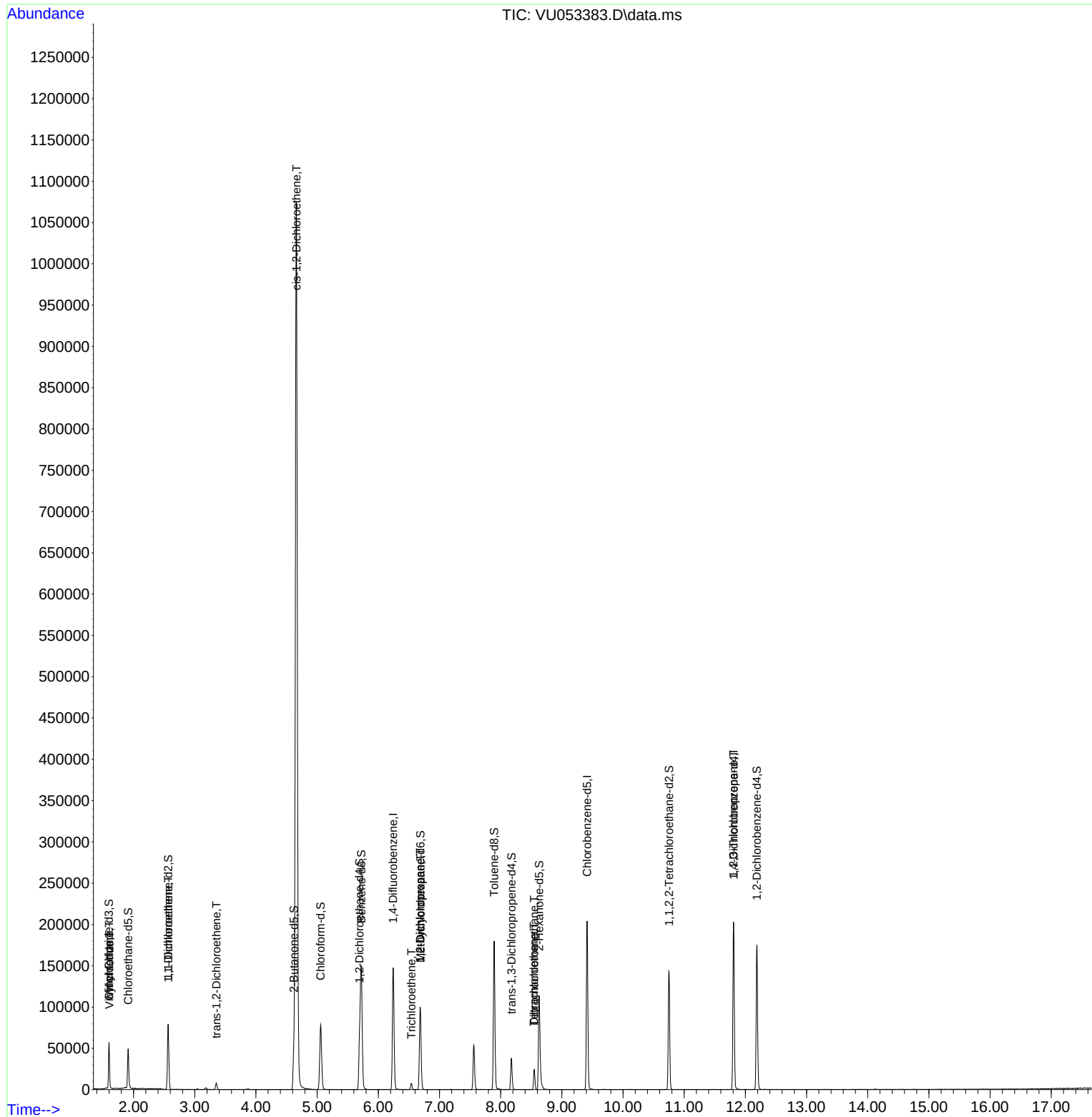
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	115826	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	105098	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	49784	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	34255	32.057	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.120%
7) Chloroethane-d5	1.912	69	33735	39.030	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.060%
11) 1,1-Dichloroethene-d2	2.565	63	46368	25.049	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	50.100%#
21) 2-Butanone-d5	4.620	46	63653	128.435	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	128.440%
24) Chloroform-d	5.057	84	66888	38.005	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.000%
26) 1,2-Dichloroethane-d4	5.694	65	46608	42.641	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.280%
32) Benzene-d6	5.723	84	138417	40.605	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.200%
36) 1,2-Dichloropropane-d6	6.687	67	48819	44.373	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.740%
41) Toluene-d8	7.893	98	120894	38.091	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.180%#
43) trans-1,3-Dichloroprop...	8.176	79	21075	38.825	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.640%
47) 2-Hexanone-d5	8.629	63	40082	116.530	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.530%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	72043	50.548	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.100%
66) 1,2-Dichlorobenzene-d4	12.189	152	41265	42.808	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.620%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	5088	4.175	ug/L #	76
8) Chloroethane	1.601	64	2029	2.819	ug/L	95
12) 1,1-Dichloroethene	2.568	96	667	0.784	ug/L #	1
17) trans-1,2-Dichloroethene	3.353	96	2961	3.431	ug/L	97
20) cis-1,2-Dichloroethene	4.662	96	529588	522.422	ug/L	99
34) Trichloroethene	6.539	95	2691	2.832	ug/L	93
35) Methylcyclohexane	6.687	83	10615	6.374	ug/L #	21
37) 1,2-Dichloropropane	6.684	63	5202	5.117	ug/L #	90
46) Tetrachloroethene	8.546	164	4497	7.275	ug/L	96
49) Dibromochloromethane	8.549	129	4678	4.940	ug/L #	12
60) 1,2,3-Trichloropropane	11.806	75	7737	7.821	ug/L #	67

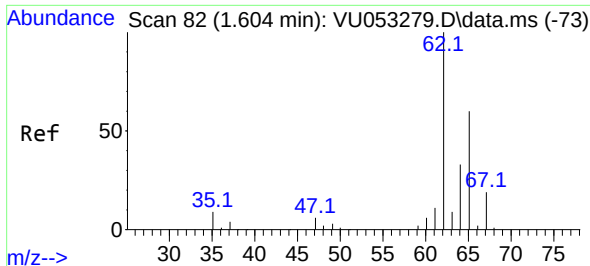
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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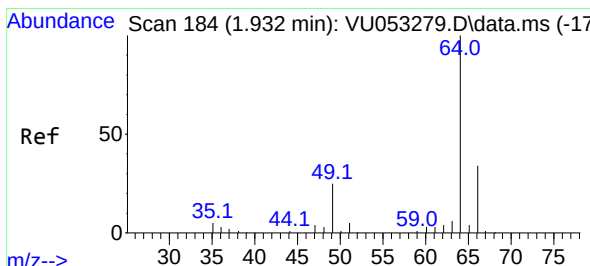
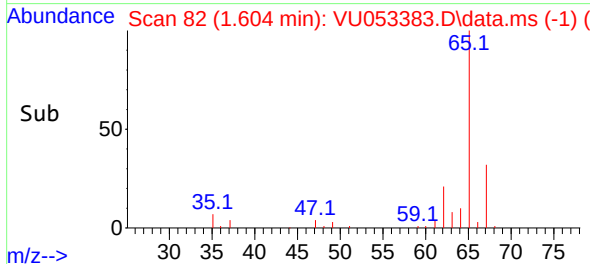
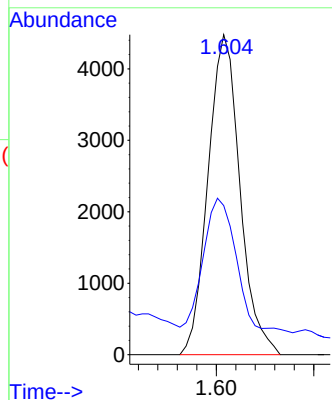
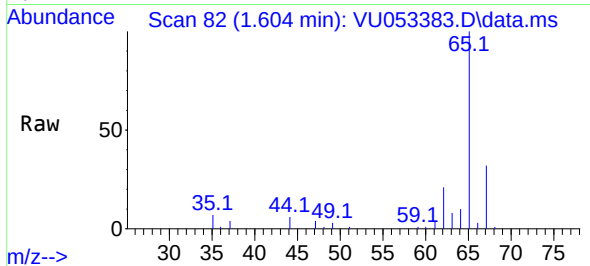




#5
Vinyl chloride
Concen: 4.175 ug/L
RT: 1.604 min Scan# 81
Delta R.T. 0.000 min
Lab File: VU053383.D
Acq: 23 Mar 2023 20:50

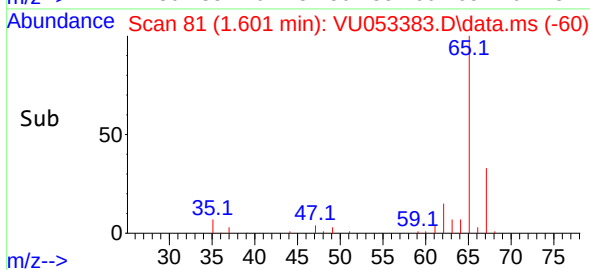
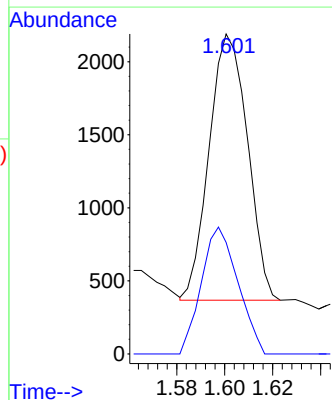
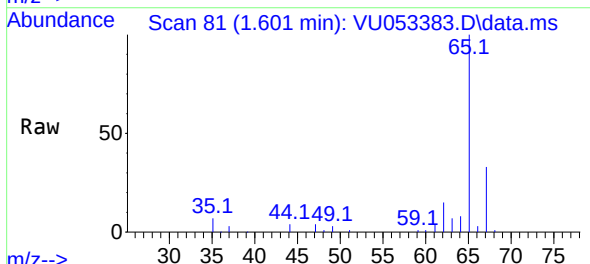
Instrument :
MSVOA_U
ClientSampleId :
E45F2

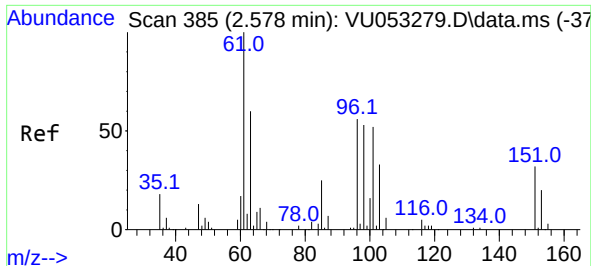
Tgt Ion: 62 Resp: 5088
Ion Ratio Lower Upper
62 100
64 46.6 23.2 43.0#



#8
Chloroethane
Concen: 2.819 ug/L
RT: 1.601 min Scan# 81
Delta R.T. -0.331 min
Lab File: VU053383.D
Acq: 23 Mar 2023 20:50

Tgt Ion: 64 Resp: 2029
Ion Ratio Lower Upper
64 100
66 34.8 22.6 42.0





#12

1,1-Dichloroethene

Concen: 0.784 ug/L

RT: 2.568 min Scan# 3

Delta R.T. -0.010 min

Lab File: VU053383.D

Acq: 23 Mar 2023 20:50

Instrument :

MSVOA_U

ClientSampleId :

E45F2

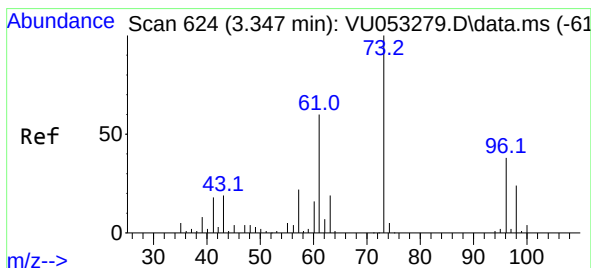
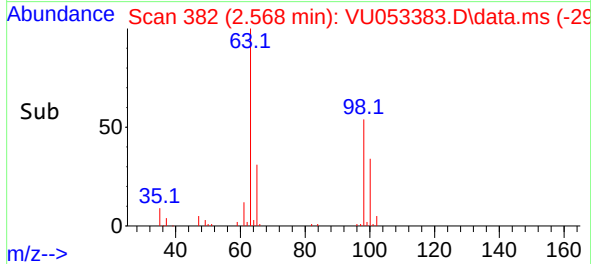
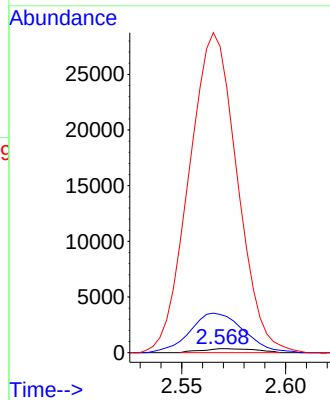
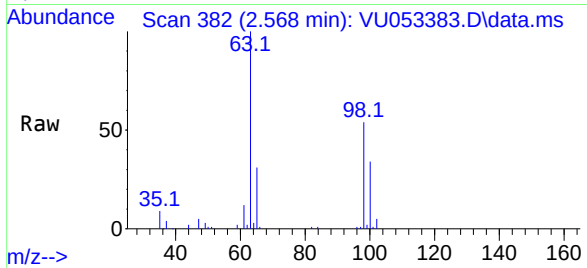
Tgt Ion: 96 Resp: 667

Ion Ratio Lower Upper

96 100

61 936.5 122.2 226.9#

63 7500.8 89.9 166.9#



#17

trans-1,2-Dichloroethene

Concen: 3.431 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.003 min

Lab File: VU053383.D

Acq: 23 Mar 2023 20:50

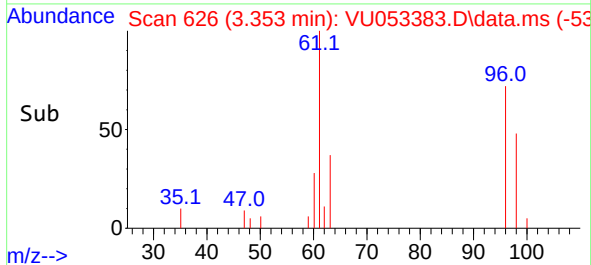
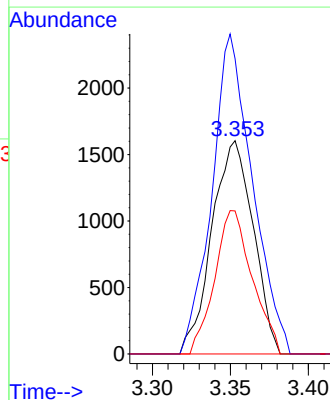
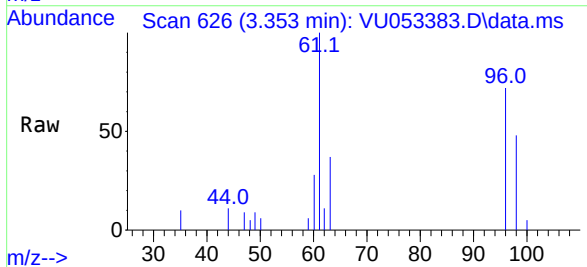
Tgt Ion: 96 Resp: 2961

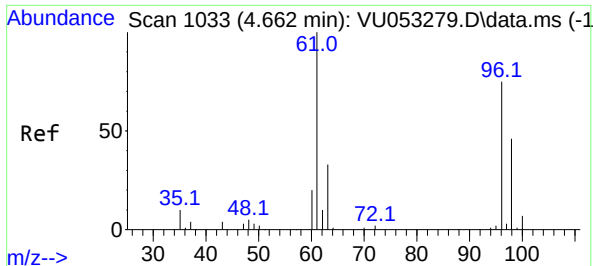
Ion Ratio Lower Upper

96 100

61 138.5 99.6 185.0

98 67.1 45.5 84.5

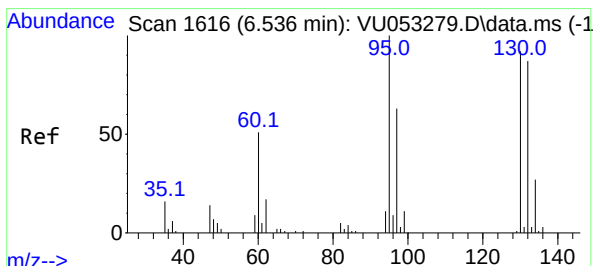
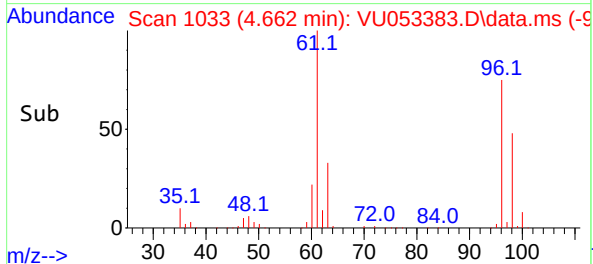
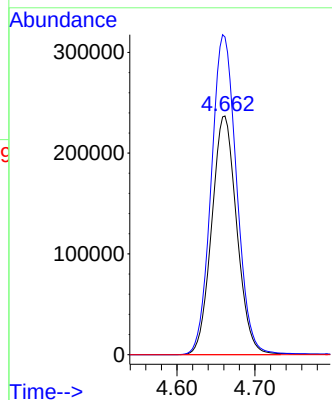
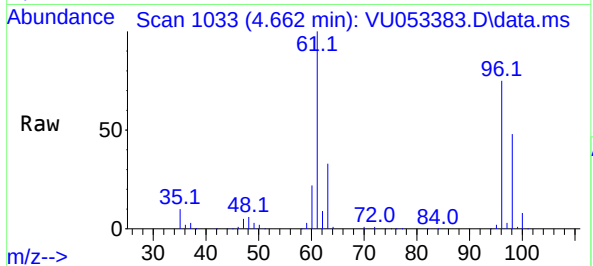




#20
cis-1,2-Dichloroethene
Concen: 522.422 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053383.D
Acq: 23 Mar 2023 20:50

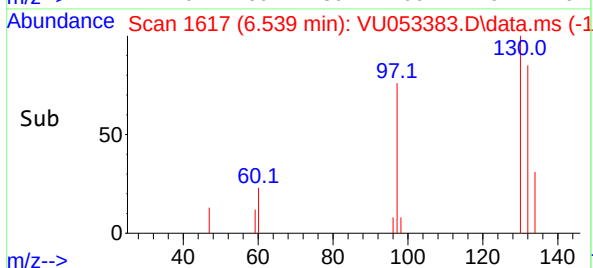
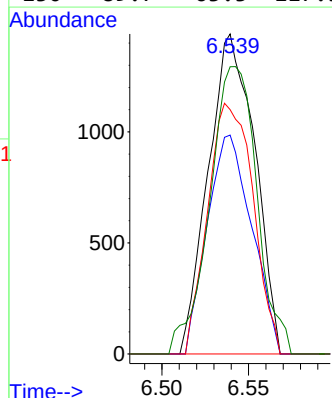
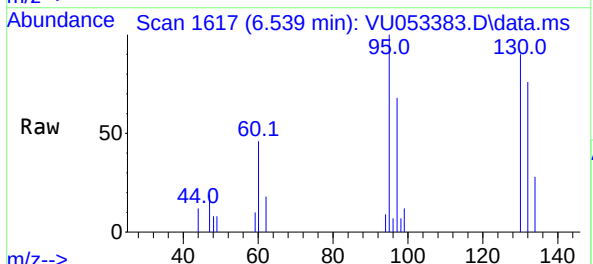
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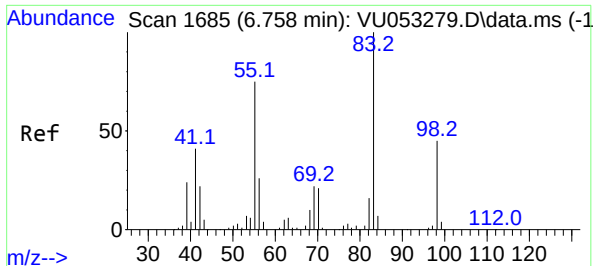
Tgt Ion: 96 Resp: 529588
Ion Ratio Lower Upper
96 100
61 133.1 92.5 171.7
68 0.0 0.0 0.0



#34
Trichloroethene
Concen: 2.832 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU053383.D
Acq: 23 Mar 2023 20:50

Tgt Ion: 95 Resp: 2691
Ion Ratio Lower Upper
95 100
97 68.4 43.8 81.3
132 76.3 61.5 114.3
130 89.7 63.3 117.5

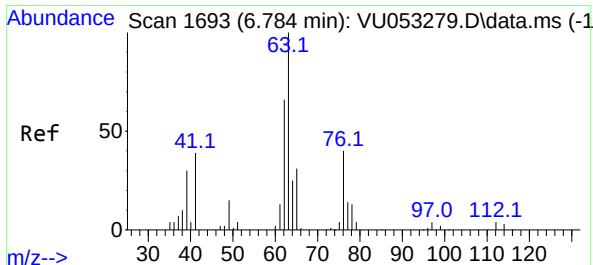
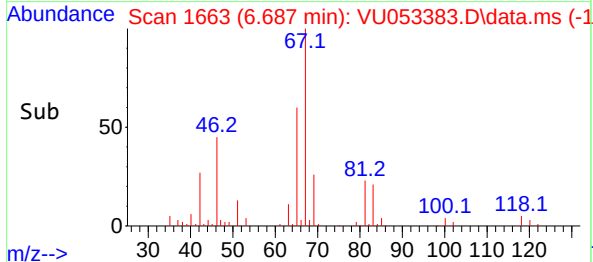
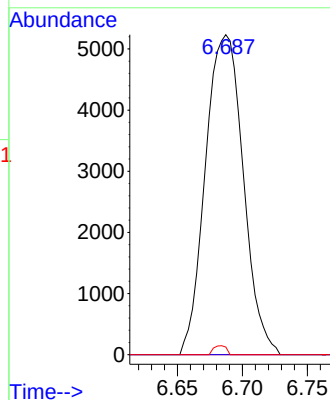
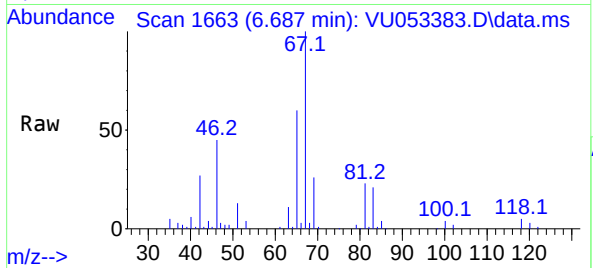




#35
Methylcyclohexane
Concen: 6.374 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.071 min
Lab File: VU053383.D
Acq: 23 Mar 2023 20:50

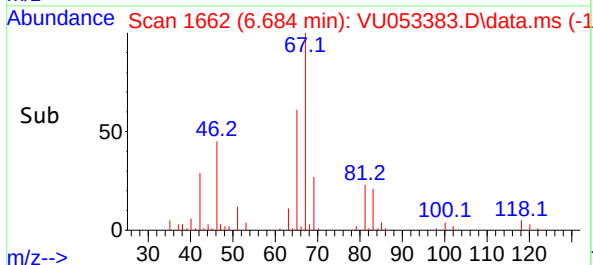
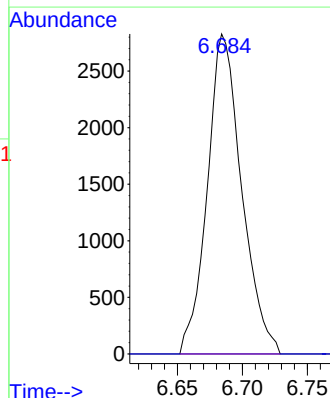
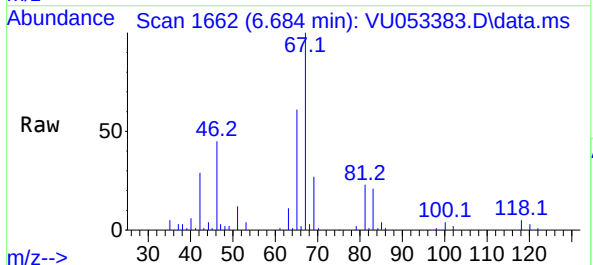
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ClientSampleId :
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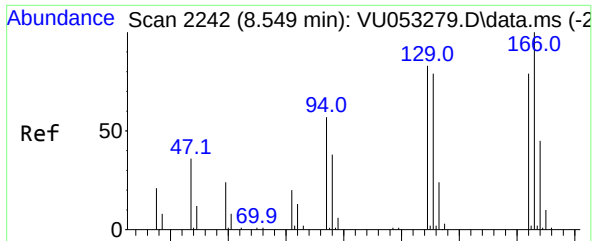
Tgt Ion: 83 Resp: 10615
Ion Ratio Lower Upper
83 100
55 0.0 58.2 87.4#
98 1.0 35.4 53.2#



#37
1,2-Dichloropropane
Concen: 5.117 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.100 min
Lab File: VU053383.D
Acq: 23 Mar 2023 20:50

Tgt Ion: 63 Resp: 5202
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#

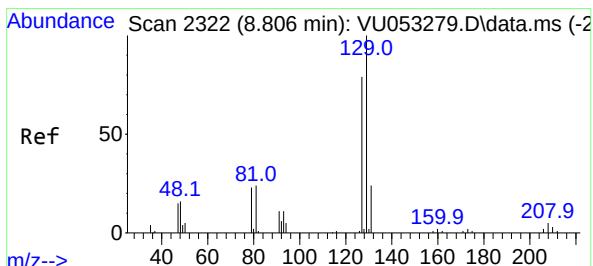
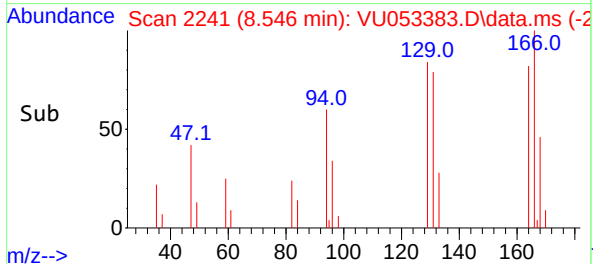
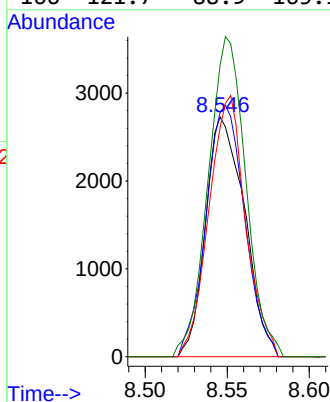
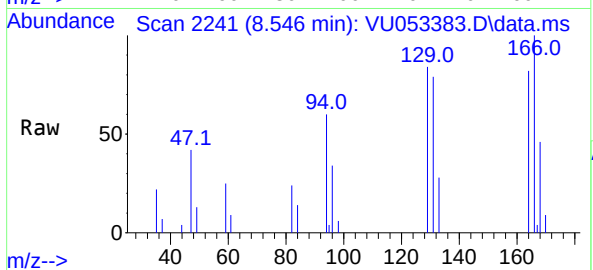




#46
Tetrachloroethene
Concen: 7.275 ug/L
RT: 8.546 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053383.D
Acq: 23 Mar 2023 20:50

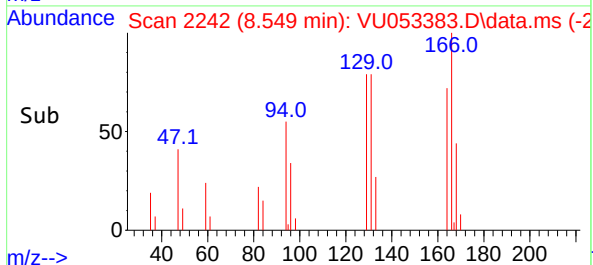
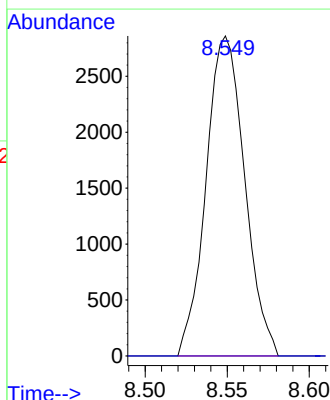
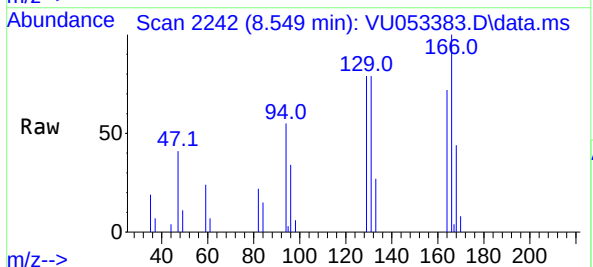
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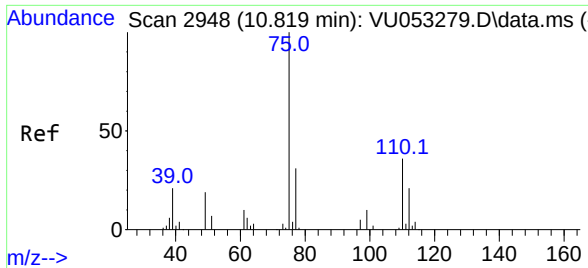
Tgt Ion:164 Resp: 4497
Ion Ratio Lower Upper
164 100
129 102.0 73.6 136.8
131 95.6 70.3 130.7
166 121.7 88.9 165.1



#49
Dibromochloromethane
Concen: 4.940 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.257 min
Lab File: VU053383.D
Acq: 23 Mar 2023 20:50

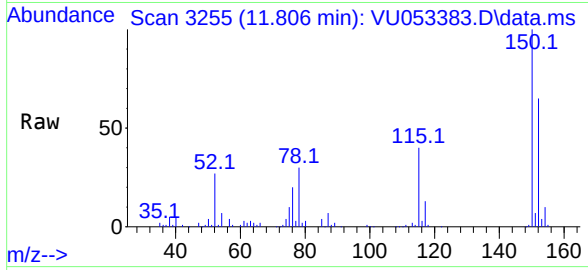
Tgt Ion:129 Resp: 4678
Ion Ratio Lower Upper
129 100
127 0.0 53.1 98.5#





#60
 1,2,3-Trichloropropane
 Concen: 7.821 ug/L
 RT: 11.806 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU053383.D
 Acq: 23 Mar 2023 20:50

Instrument :
 MSVOA_U
 ClientSampleId :
 E45F2



Tgt Ion: 75 Resp: 7737

Ion	Ratio	Lower	Upper
75	100		
77	30.0	26.6	40.0
110	1.1	28.6	42.8#

