

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046365.D
 Acq On : 14 Dec 2021 18:47
 Operator : SY/MD
 Sample : M4997-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5R2

Quant Time: Dec 15 03:43:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 15 03:40:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	96283	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	99764	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	49612	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	46302	58.379	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 116.760%			
7) Chloroethane-d5	1.919	69	36640	60.168	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 120.340%			
11) 1,1-Dichloroethene-d2	2.572	63	62484	43.885	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 87.760%			
21) 2-Butanone-d5	4.642	46	84621	134.213	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 134.210%#			
24) Chloroform-d	5.067	84	92006	69.465	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 138.940%#			
26) 1,2-Dichloroethane-d4	5.707	65	62435	70.240	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 140.480%#			
32) Benzene-d6	5.732	84	176070	61.576	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 123.160%			
36) 1,2-Dichloropropane-d6	6.694	67	56767	64.058	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 128.120%#			
41) Toluene-d8	7.899	98	147444	56.633	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 113.260%			
43) trans-1,3-Dichloroprop...	8.182	79	25881	60.499	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 121.000%			
47) 2-Hexanone-d5	8.636	63	62035	147.642	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 147.640%#			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	89331	66.470	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 132.940%#			
66) 1,2-Dichlorobenzene-d4	12.195	152	61293	64.152	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 128.300%#			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	504	0.719	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	909	1.365	ug/L #	1
13) Acetone	2.665	43	1676	2.127	ug/L	64
17) trans-1,2-Dichloroethene	3.363	96	1222	1.734	ug/L	84
19) 1,1-Dichloroethane	3.877	63	91092	71.111	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	11728	15.342	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	122893	100.353	ug/L	100
31) Carbon tetrachloride	5.321	117	14465	13.914	ug/L	92
35) Methylcyclohexane	6.690	83	13701	11.108	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6318	7.988	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	1692	1.406	ug/L #	64
44) trans-1,3-Dichloropropene	8.182	75	1268	1.073	ug/L	91
46) Tetrachloroethene	8.552	164	4502	7.701	ug/L	95
48) 2-Hexanone	8.636	43	7072	6.804	ug/L #	64
49) Dibromochloromethane	8.552	129	4687	5.625	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	6094	5.603	ug/L #	65

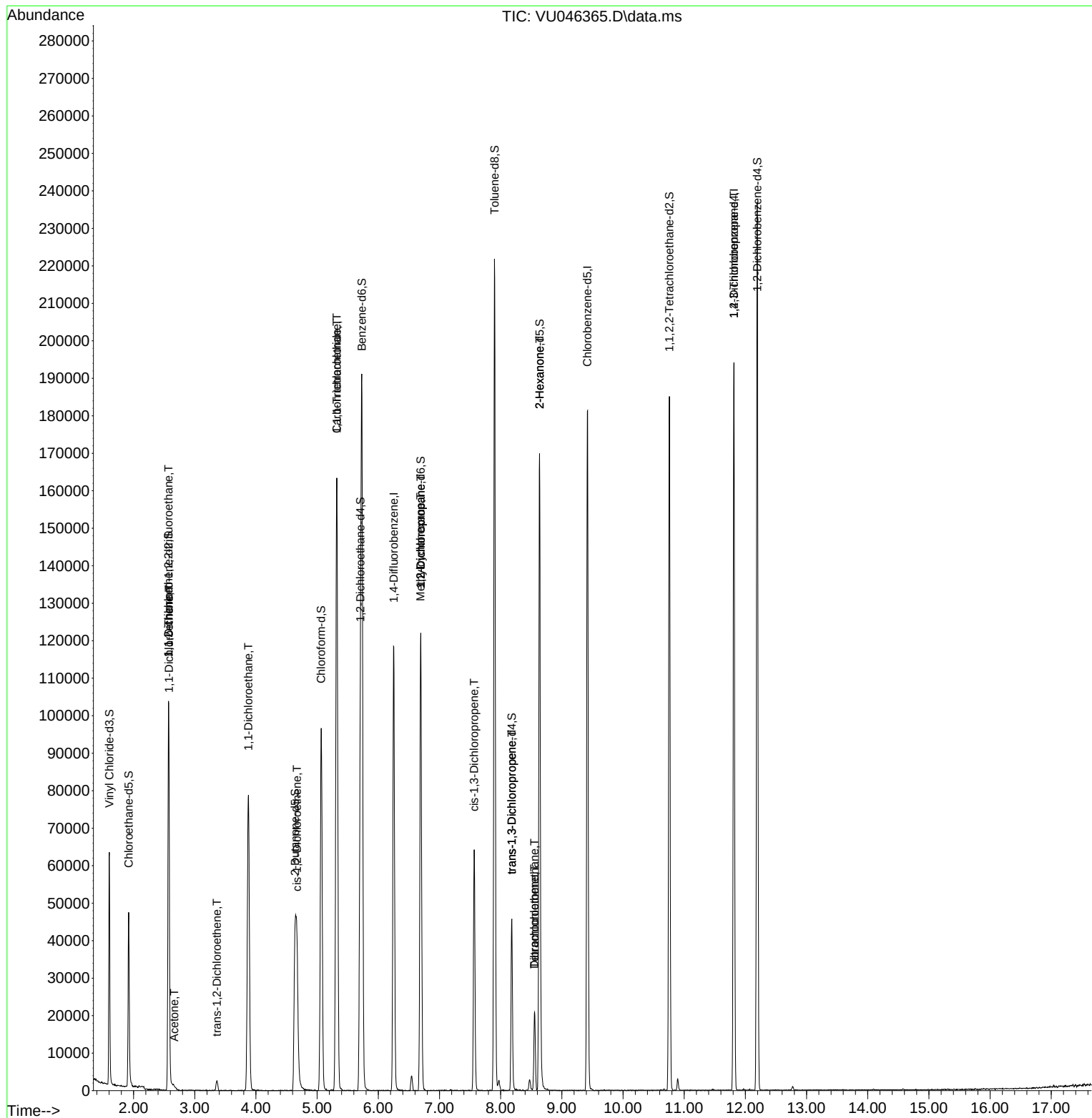
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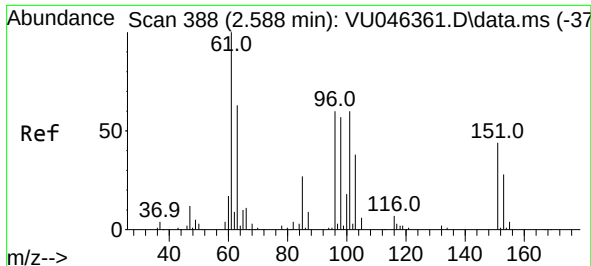
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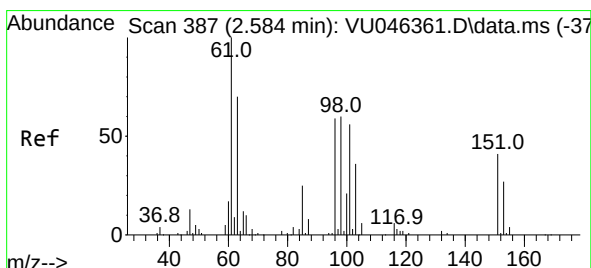
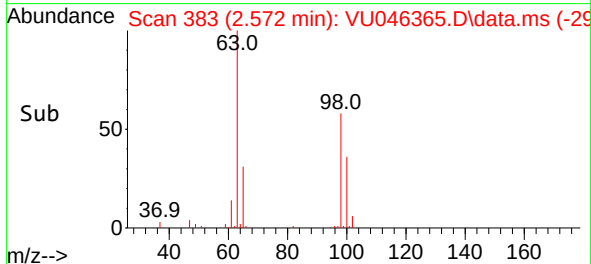
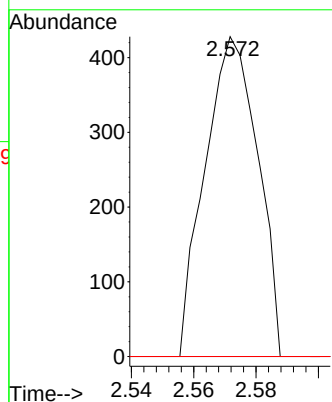
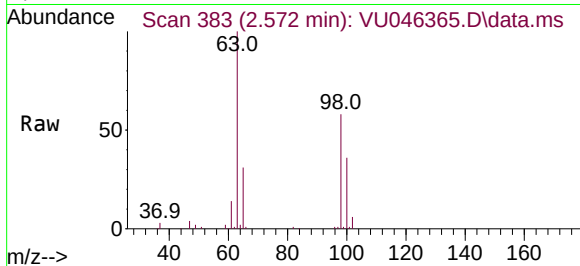




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.719 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU046365.D
Acq: 14 Dec 2021 18:47

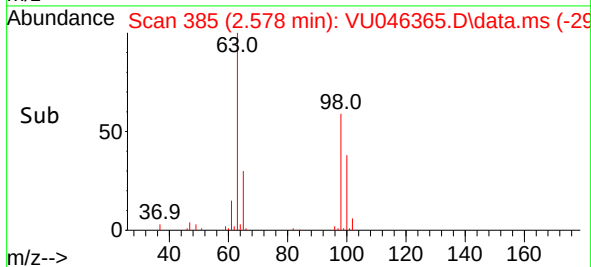
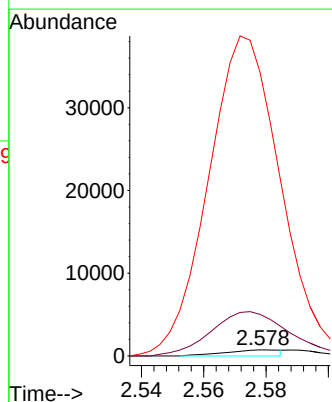
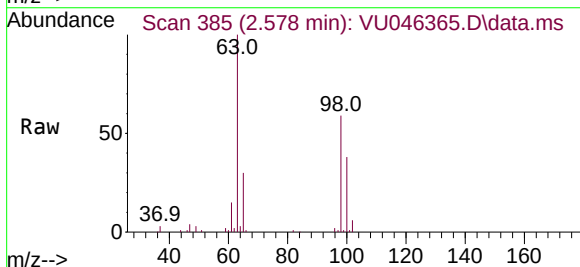
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MSVOA_U
ClientSampleId :
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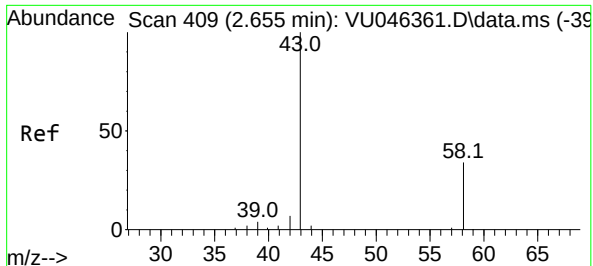
Tgt Ion:101 Resp: 504
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 1.365 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.006 min
Lab File: VU046365.D
Acq: 14 Dec 2021 18:47

Tgt Ion: 96 Resp: 909
Ion Ratio Lower Upper
96 100
61 691.5 118.6 220.2#
63 4715.3 93.0 172.8#

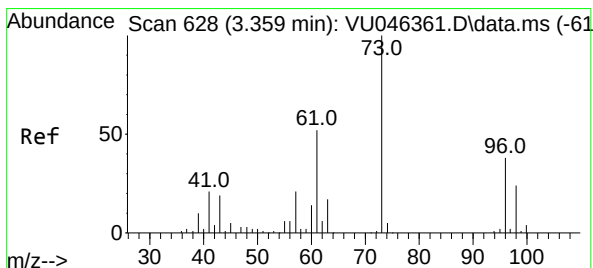
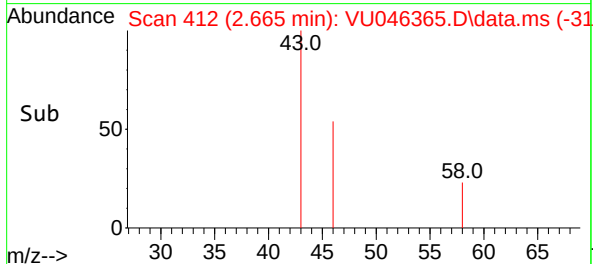
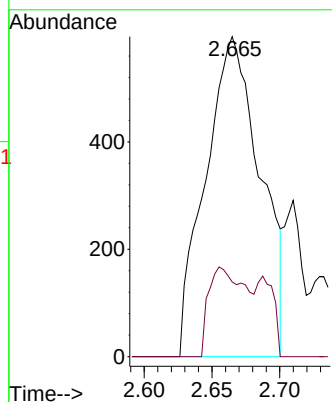
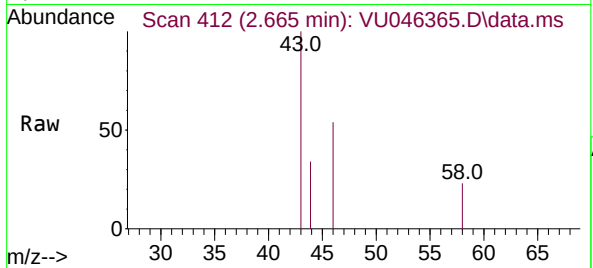




#13
Acetone
Concen: 2.127 ug/L
RT: 2.665 min Scan# 412
Delta R.T. 0.010 min
Lab File: VU046365.D
Acq: 14 Dec 2021 18:47

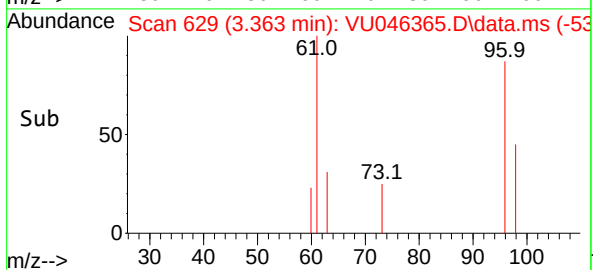
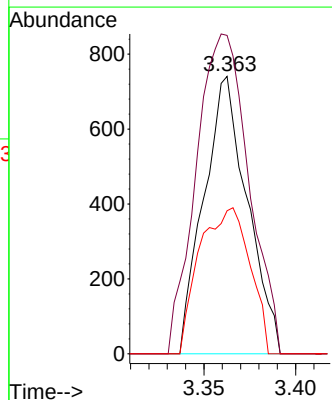
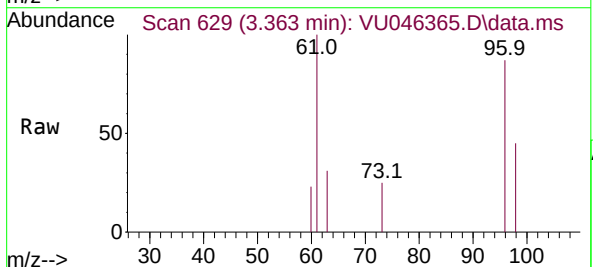
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MSVOA_U
ClientSampleId :
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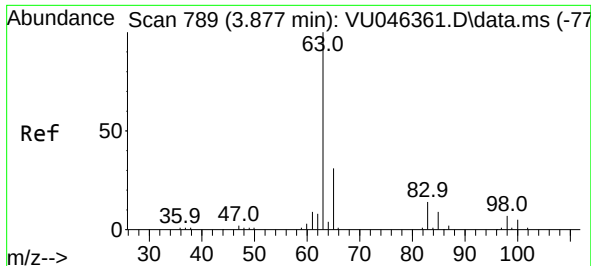
Tgt Ion: 43 Resp: 1676
Ion Ratio Lower Upper
43 100
58 13.2 0.0 66.8



#17
trans-1,2-Dichloroethene
Concen: 1.734 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.003 min
Lab File: VU046365.D
Acq: 14 Dec 2021 18:47

Tgt Ion: 96 Resp: 1222
Ion Ratio Lower Upper
96 100
61 114.7 94.6 175.6
98 51.6 44.0 81.8

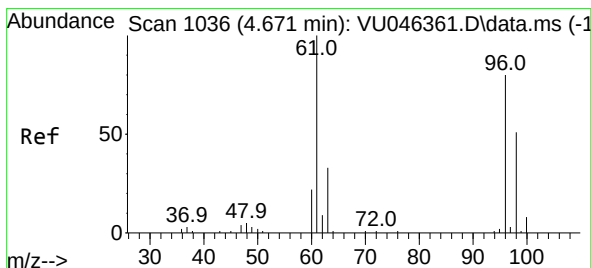
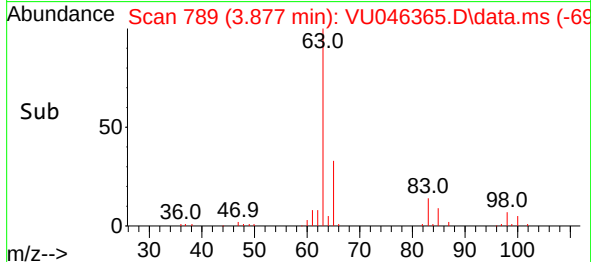
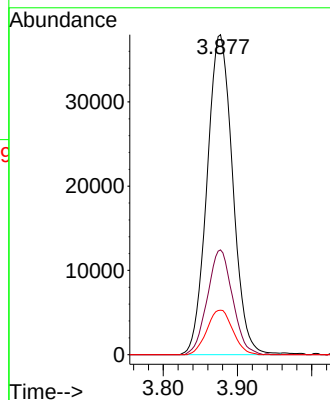
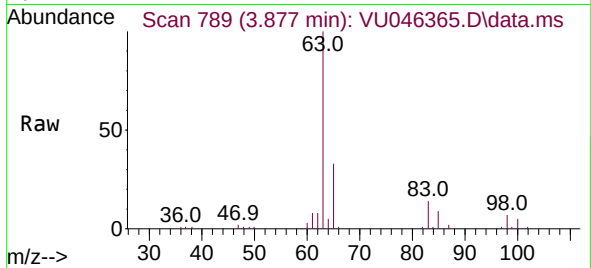




#19
 1,1-Dichloroethane
 Concen: 71.111 ug/L
 RT: 3.877 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU046365.D
 Acq: 14 Dec 2021 18:47

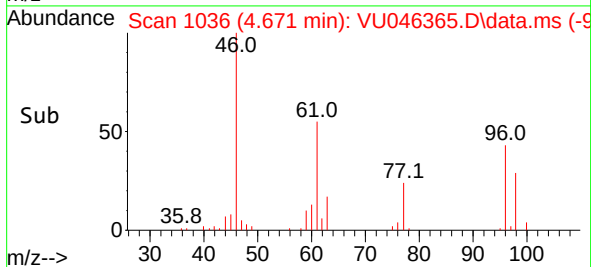
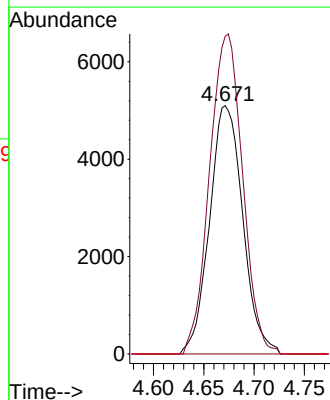
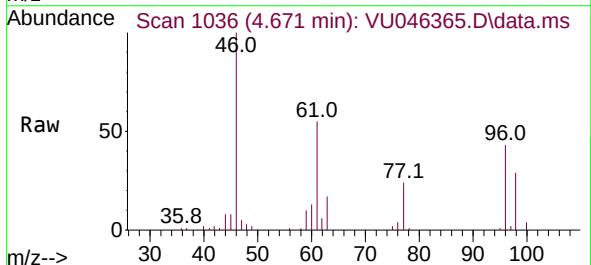
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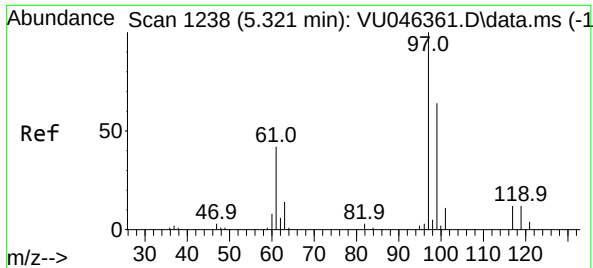
Tgt Ion: 63	Resp: 91092
Ion Ratio	Lower Upper
63 100	
65 32.8	22.8 42.4
83 13.9	9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 15.342 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VU046365.D
 Acq: 14 Dec 2021 18:47

Tgt Ion: 96	Resp: 11728
Ion Ratio	Lower Upper
96 100	
61 127.9	86.8 161.2
68 0.0	0.0 0.0

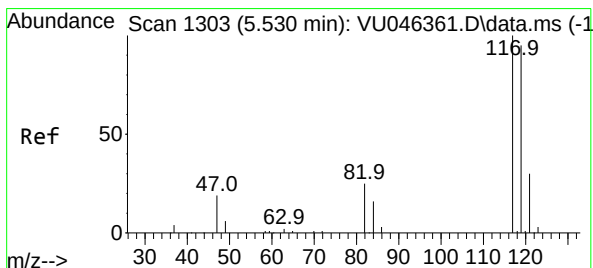
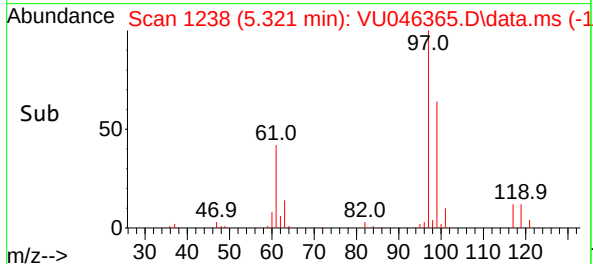
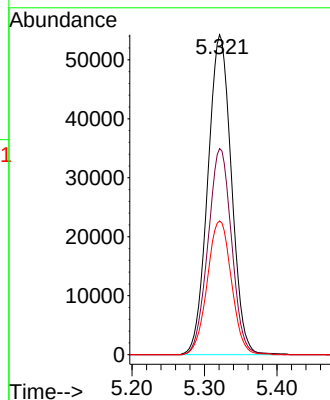
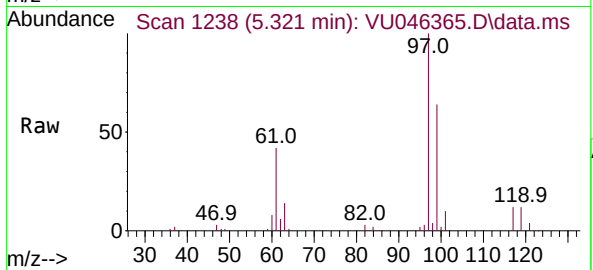




#30
1,1,1-Trichloroethane
Concen: 100.353 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VU046365.D
Acq: 14 Dec 2021 18:47

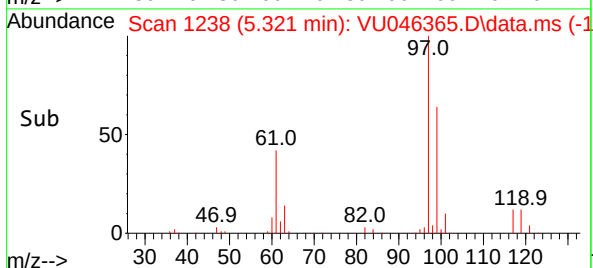
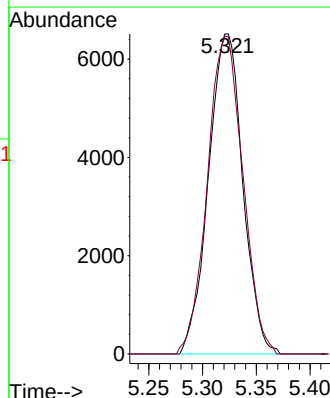
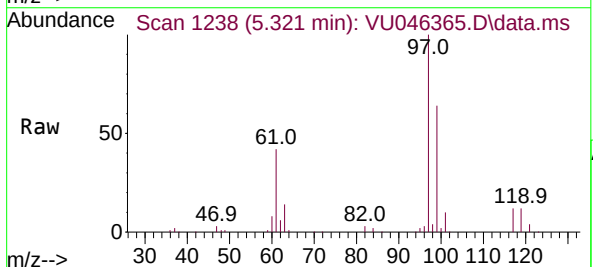
Instrument :
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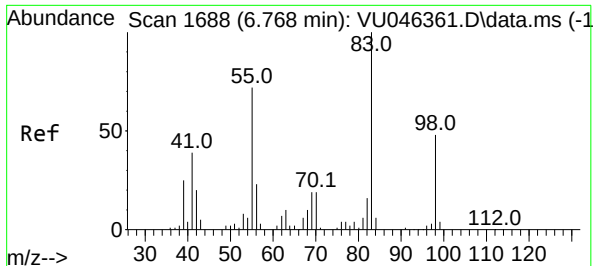
Tgt Ion:	97	Resp:	122893
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	42.7	34.4	51.6



#31
Carbon tetrachloride
Concen: 13.914 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.209 min
Lab File: VU046365.D
Acq: 14 Dec 2021 18:47

Tgt Ion:	117	Resp:	14465
Ion	Ratio	Lower	Upper
117	100		
119	102.5	75.7	113.5

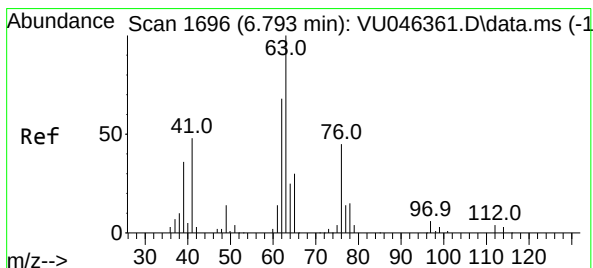
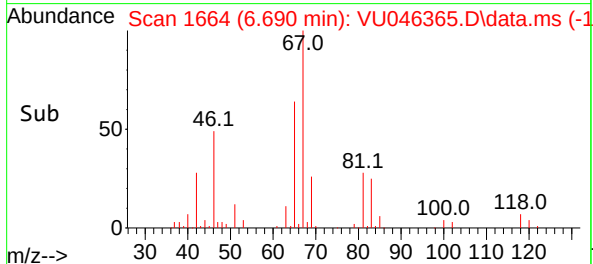
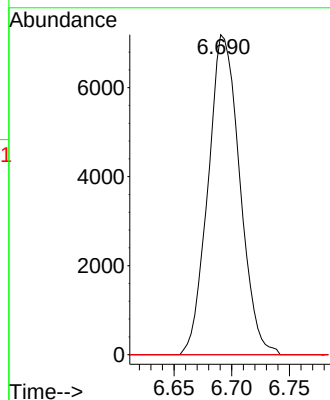
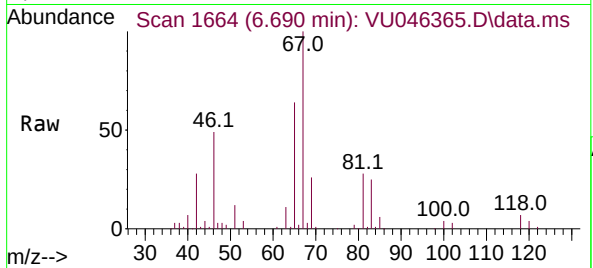




#35
Methylcyclohexane
Concen: 11.108 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU046365.D
Acq: 14 Dec 2021 18:47

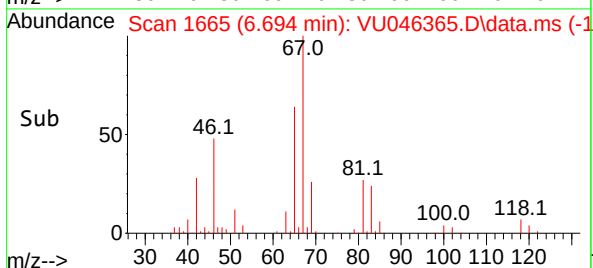
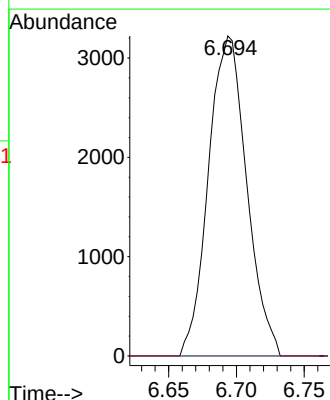
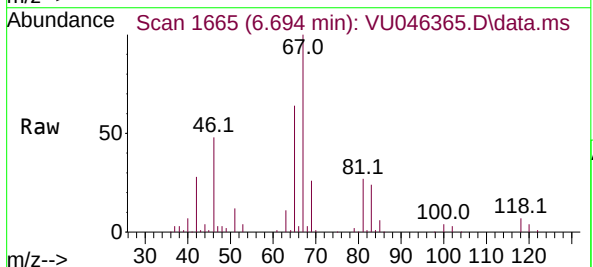
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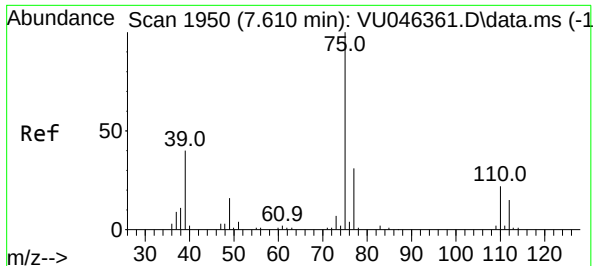
Tgt Ion: 83 Resp: 13701
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.0 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 7.988 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU046365.D
Acq: 14 Dec 2021 18:47

Tgt Ion: 63 Resp: 6318
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 1.406 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU046365.D

Acq: 14 Dec 2021 18:47

Instrument :

MSVOA_U

ClientSampleId :

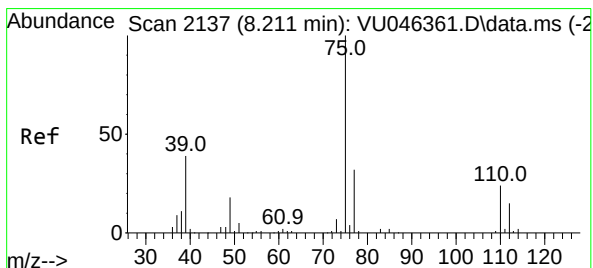
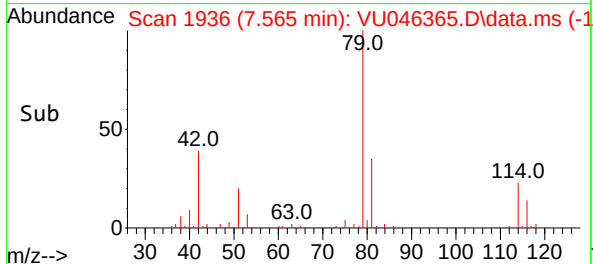
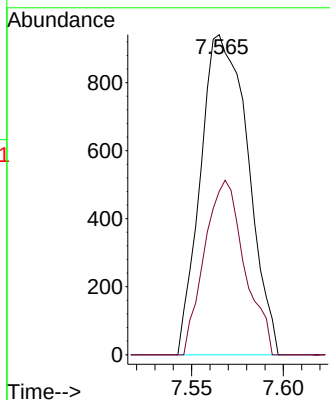
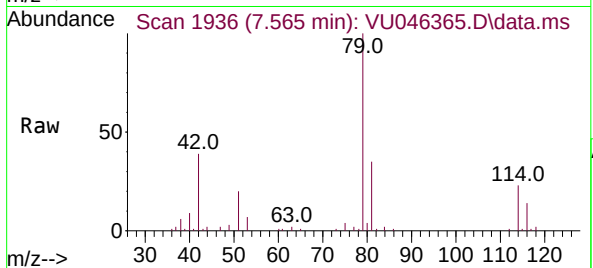
EW5R2

Tgt Ion: 75 Resp: 1692

Ion Ratio Lower Upper

75 100

77 51.0 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 1.073 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.029 min

Lab File: VU046365.D

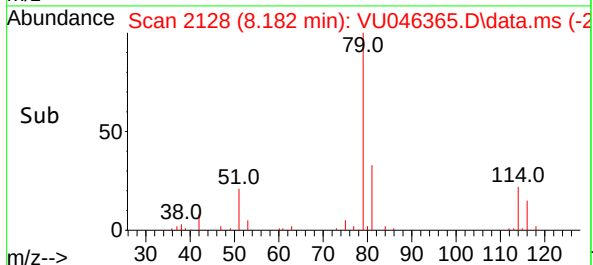
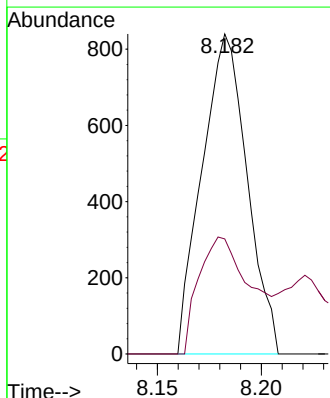
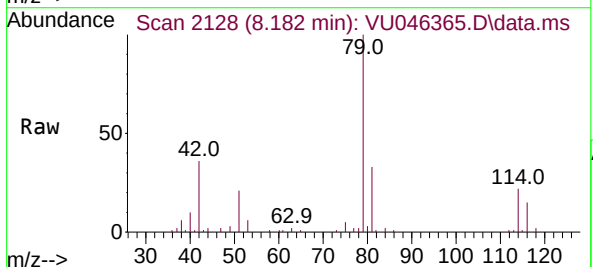
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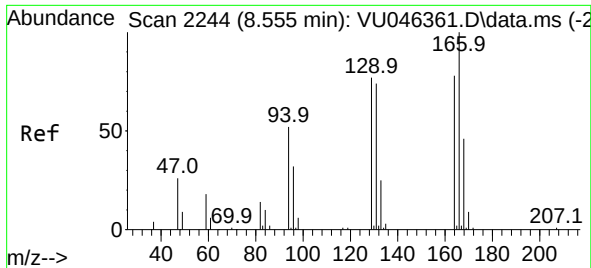
Tgt Ion: 75 Resp: 1268

Ion Ratio Lower Upper

75 100

77 36.0 21.7 40.3



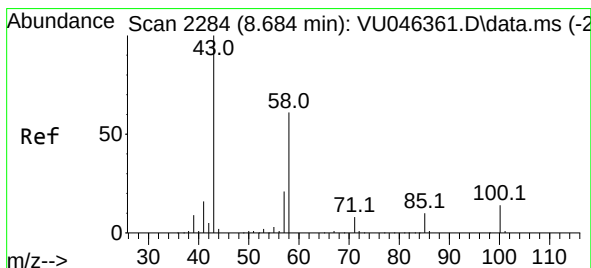
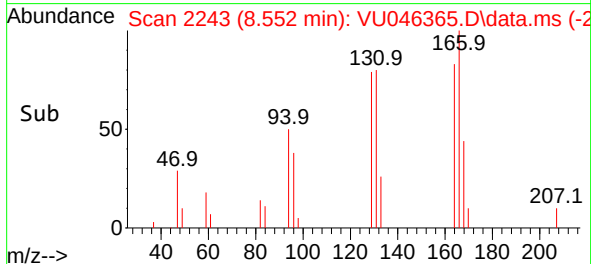
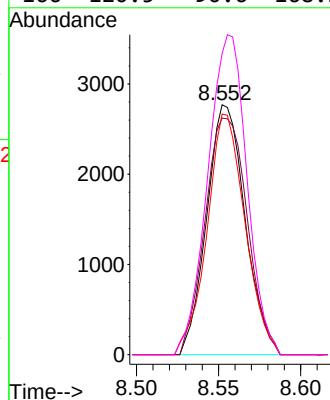
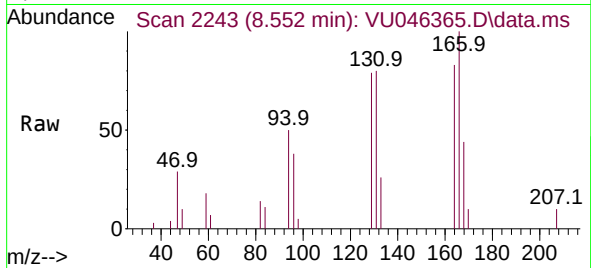


#46
Tetrachloroethene
Concen: 7.701 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046365.D
Acq: 14 Dec 2021 18:47

Instrument :
MSVOA_U
ClientSampleId :
EW5R2

Tgt Ion:164 Resp: 4502

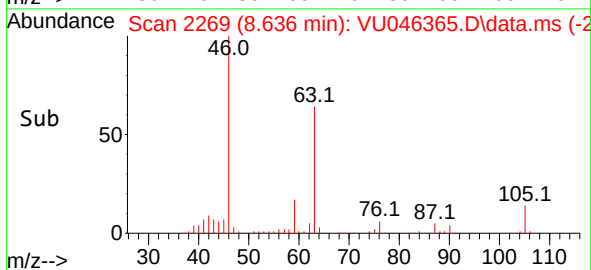
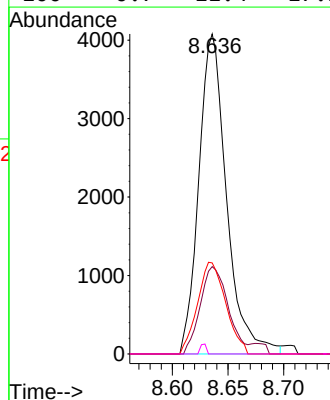
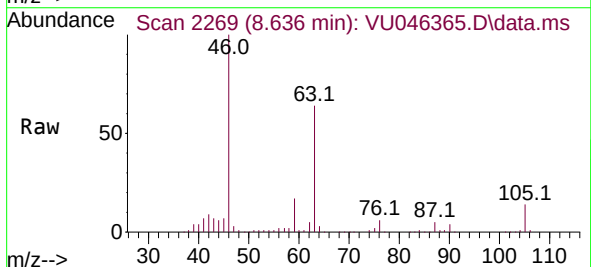
Ion	Ratio	Lower	Upper
164	100		
129	94.7	71.1	132.1
131	96.3	67.8	126.0
166	120.5	90.6	168.2

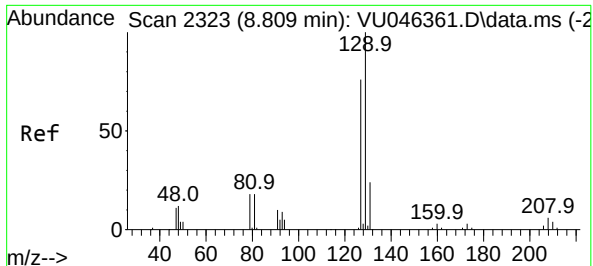


#48
2-Hexanone
Concen: 6.804 ug/L
RT: 8.636 min Scan# 2269
Delta R.T. -0.048 min
Lab File: VU046365.D
Acq: 14 Dec 2021 18:47

Tgt Ion: 43 Resp: 7072

Ion	Ratio	Lower	Upper
43	100		
58	27.5	47.4	71.2#
57	29.1	16.6	25.0#
100	0.7	11.4	17.2#

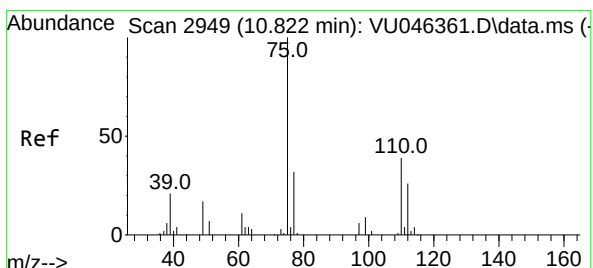
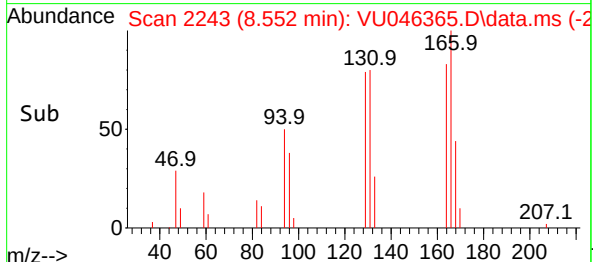
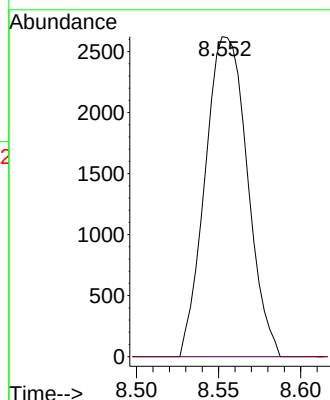
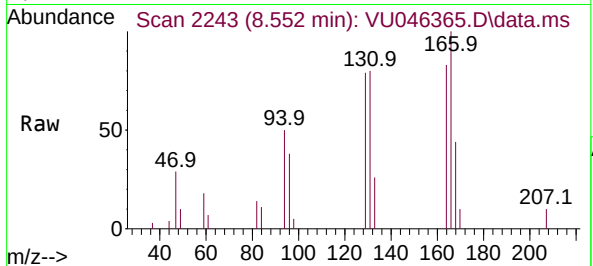




#49
Dibromochloromethane
Concen: 5.625 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU046365.D
Acq: 14 Dec 2021 18:47

Instrument :
MSVOA_U
ClientSampleId :
EW5R2

Tgt Ion:129 Resp: 4687
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



#60
1,2,3-Trichloropropane
Concen: 5.603 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.990 min
Lab File: VU046365.D
Acq: 14 Dec 2021 18:47

Tgt Ion: 75 Resp: 6094
Ion Ratio Lower Upper
75 100
77 33.4 26.4 39.6
110 1.6 32.4 48.6#

