

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012221\
 Data File : VU042175.D
 Acq On : 22 Jan 2021 17:22
 Operator : SY/MD
 Sample : M1222-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E17

Quant Time: Jan 23 06:24:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 23 06:18:59 2021
 Response via : Initial Calibration

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

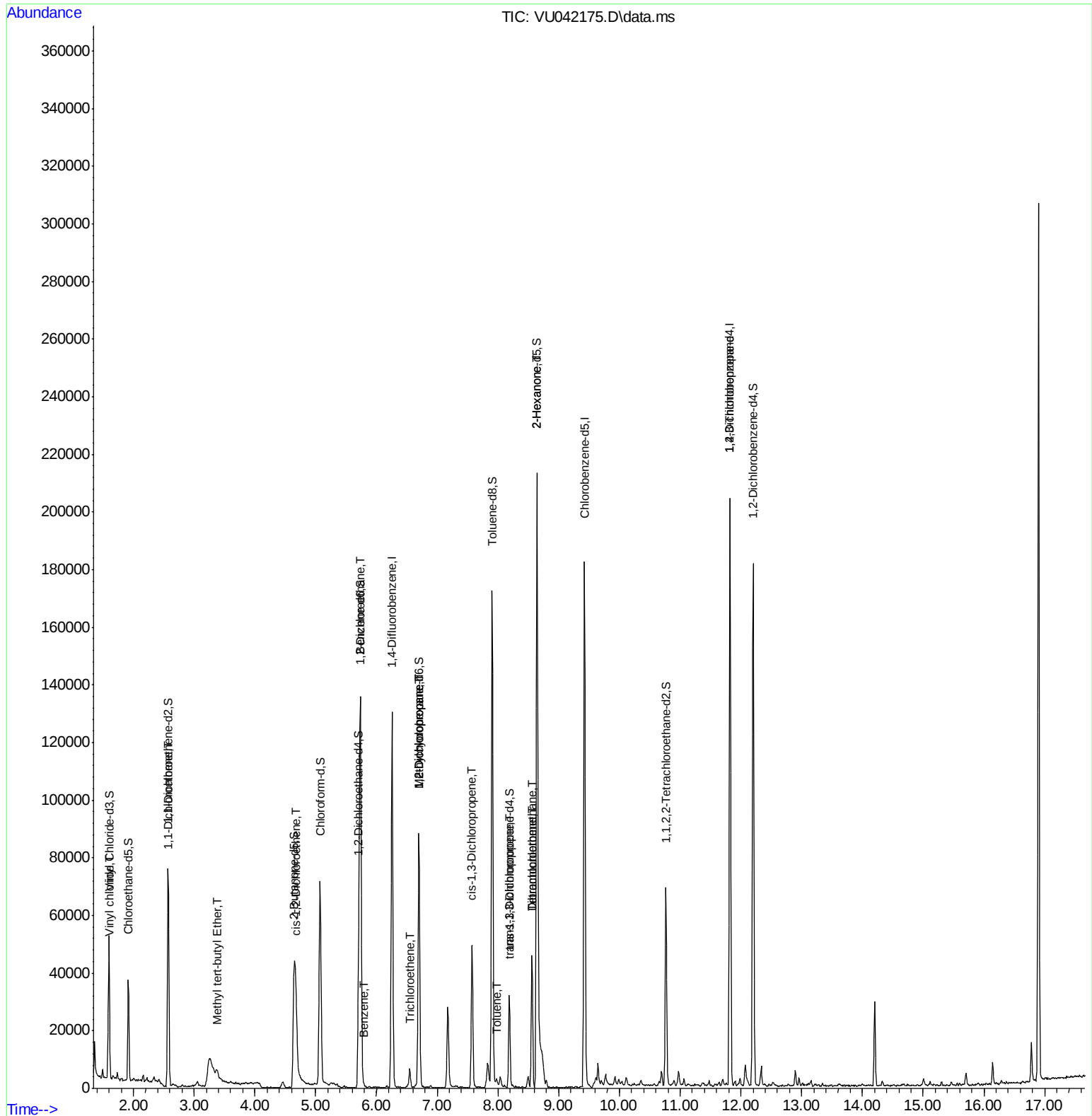
Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	103002	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	97580	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	53374	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	26468	3.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.60%
7) Chloroethane-d5	1.916	69	23349	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.571	63	47008	3.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.20%
20) 2-Butanone-d5	4.645	46	88964	36.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	73.38%
24) Chloroform-d	5.073	84	62814	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.710	65	38900	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.735	84	116282	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.700	67	38093	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.906	98	105283	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloroprop...	8.185	79	17319	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.642	63	86101	47.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.94%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	33124	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	12.201	152	45492	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%
Target Compounds						
5) Vinyl chloride	1.607	62	648	0.08	ug/L #	1
12) 1,1-Dichloroethene	2.578	96	372	0.05	ug/L #	1
17) Methyl tert-butyl Ether	3.372	73	2298	0.11	ug/L #	83
22) cis-1,2-Dichloroethene	4.674	96	9192	1.16	ug/L	97
27) 1,2-Dichloroethane	5.729	62	647	0.06	ug/L #	75
33) Benzene	5.787	78	844	0.03	ug/L	100
34) Trichloroethene	6.549	95	2197	0.28	ug/L	94
35) Methylcyclohexane	6.700	83	9201	0.71	ug/L #	16
37) 1,2-Dichloropropane	6.700	63	4442	0.59	ug/L #	87
39) cis-1,3-Dichloropropene	7.571	75	1202	0.10	ug/L #	65
42) Toluene	7.980	91	1688	0.05	ug/L	98
44) trans-1,3-Dichloropropene	8.192	75	749	0.07	ug/L #	63
47) Tetrachloroethene	8.562	164	10212	1.59	ug/L	98
48) 2-Hexanone	8.642	43	10959	2.44	ug/L #	71
49) Dibromochloromethane	8.562	129	9145	1.23	ug/L #	12
59) 1,2,3-Trichloropropane	11.819	75	6229	1.17	ug/L	92

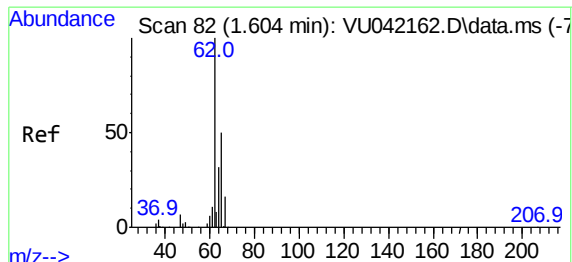
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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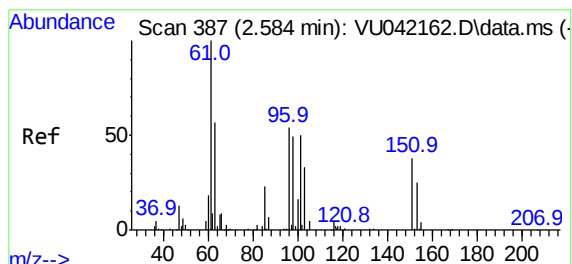
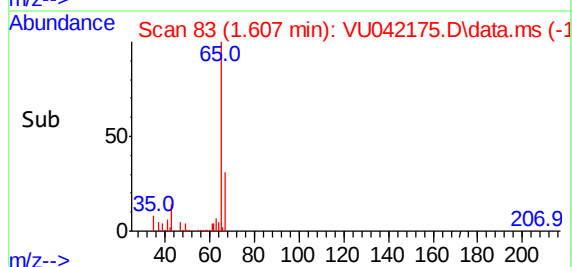
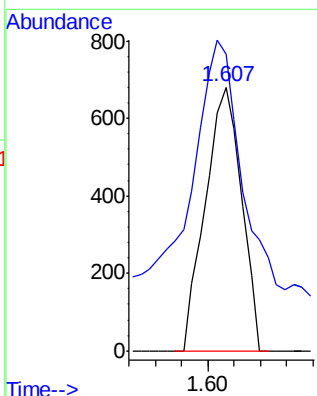
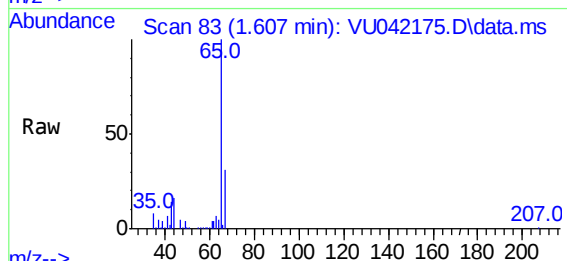




#5
 Vinyl chloride
 Concen: 0.08 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.003 min
 Lab File: VU042175.D
 Acq: 22 Jan 2021 17:22

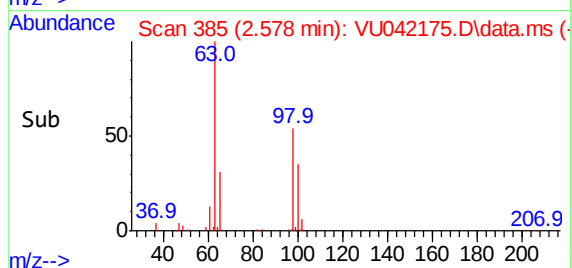
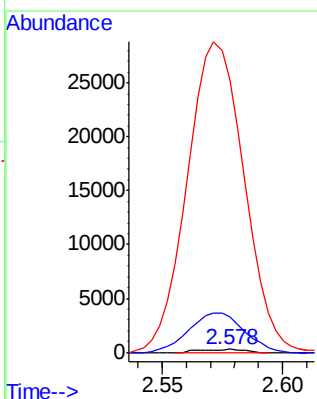
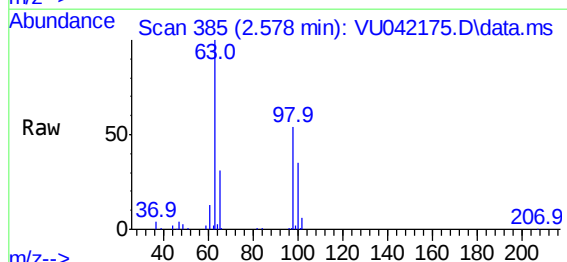
Instrument :
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 ClientSampleId :
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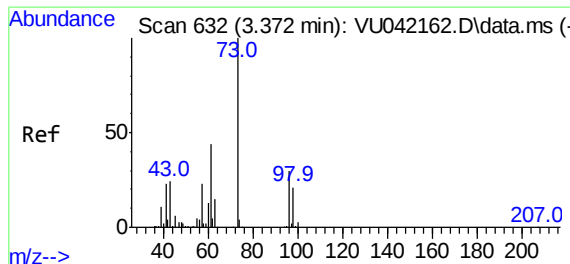
Tgt Ion: 62 Resp: 648
 Ion Ratio Lower Upper
 62 100
 64 112.5 22.7 42.1#



#12
 1,1-Dichloroethene
 Concen: 0.05 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.007 min
 Lab File: VU042175.D
 Acq: 22 Jan 2021 17:22

Tgt Ion: 96 Resp: 372
 Ion Ratio Lower Upper
 96 100
 61 1179.0 126.2 234.4#
 63 8965.1 77.8 144.4#

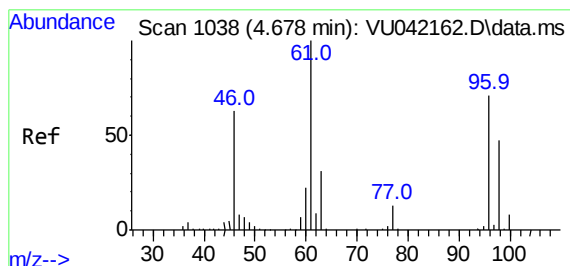
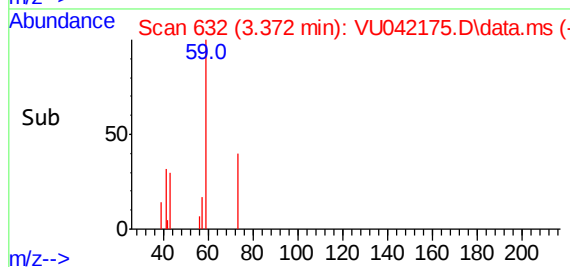
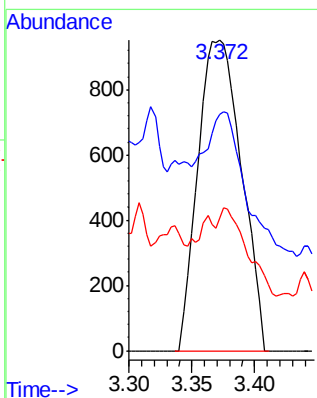
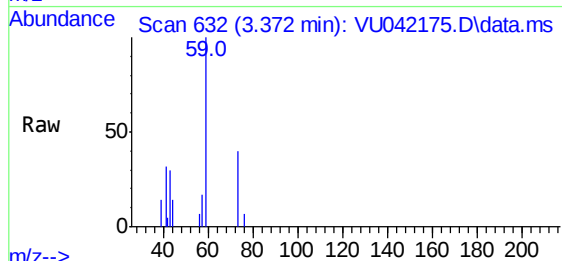




#17
Methyl tert-butyl Ether
Concen: 0.11 ug/L
RT: 3.372 min Scan# 632
Delta R.T. -0.000 min
Lab File: VU042175.D
Acq: 22 Jan 2021 17:22

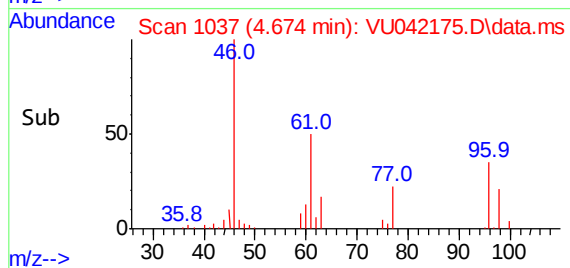
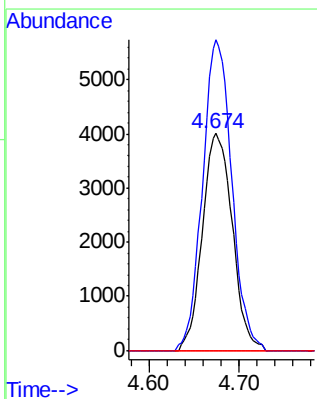
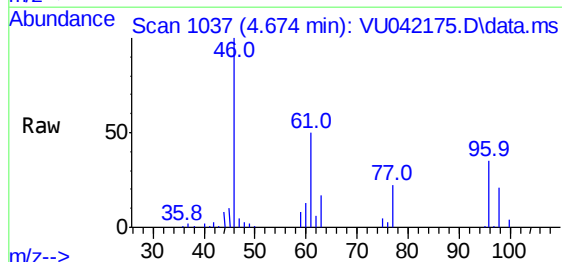
Instrument :
MSVOA_U
ClientSampleId :
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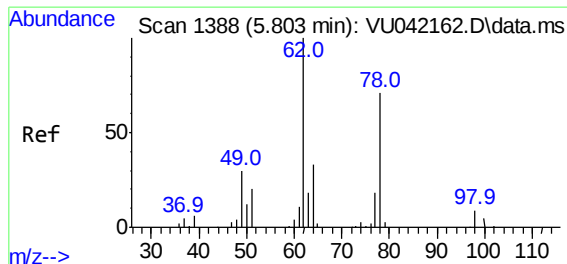
Tgt Ion: 73 Resp: 2298
Ion Ratio Lower Upper
73 100
43 34.9 18.9 28.3#
57 18.0 18.2 27.4#



#22
cis-1,2-Dichloroethene
Concen: 1.16 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. -0.003 min
Lab File: VU042175.D
Acq: 22 Jan 2021 17:22

Tgt Ion: 96 Resp: 9192
Ion Ratio Lower Upper
96 100
61 143.2 97.8 181.6
68 0.0 0.0 0.0

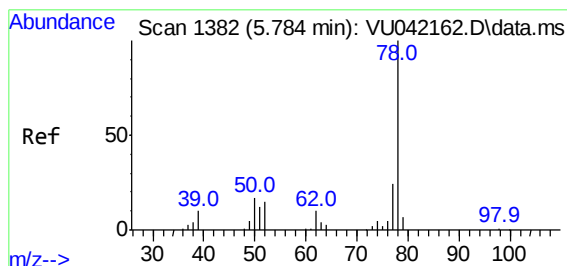
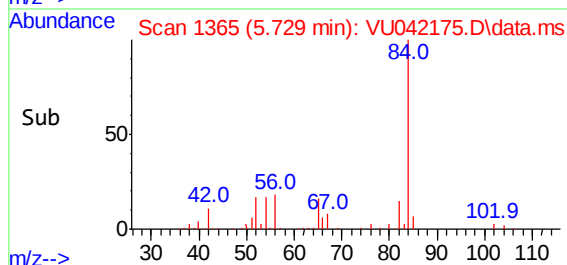
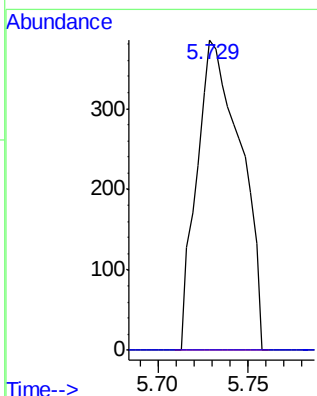
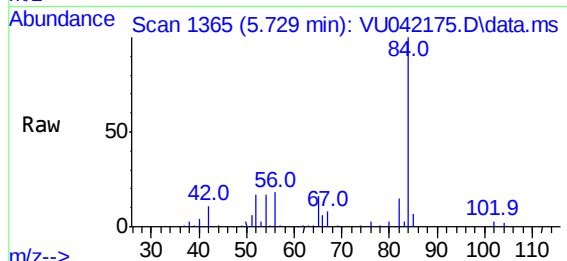




#27
1,2-Dichloroethane
Concen: 0.06 ug/L
RT: 5.729 min Scan# 1365
Delta R.T. -0.074 min
Lab File: VU042175.D
Acq: 22 Jan 2021 17:22

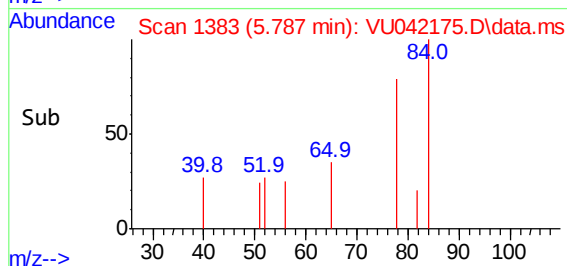
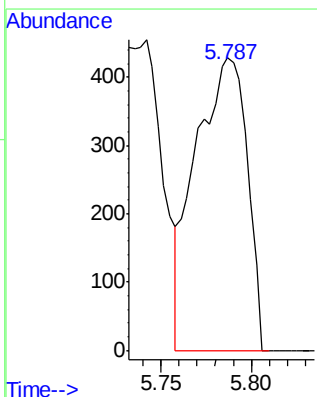
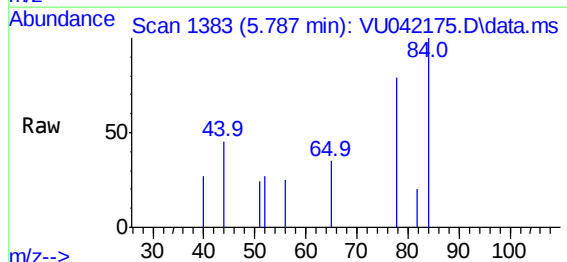
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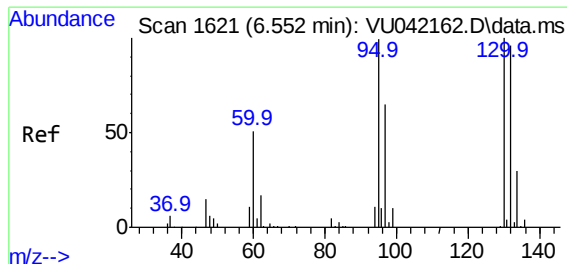
Tgt Ion: 62 Resp: 647
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#33
Benzene
Concen: 0.03 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.003 min
Lab File: VU042175.D
Acq: 22 Jan 2021 17:22

Tgt Ion: 78 Resp: 844

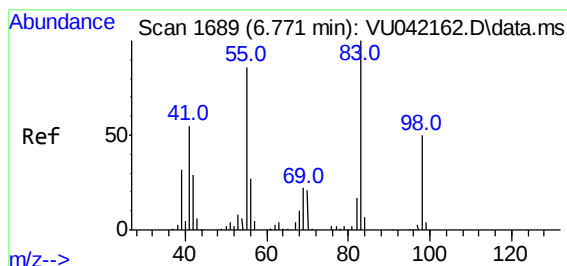
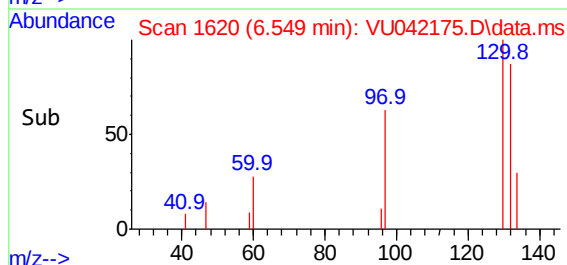
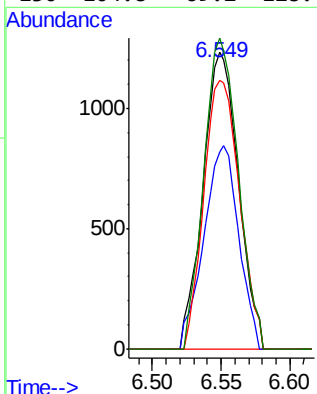
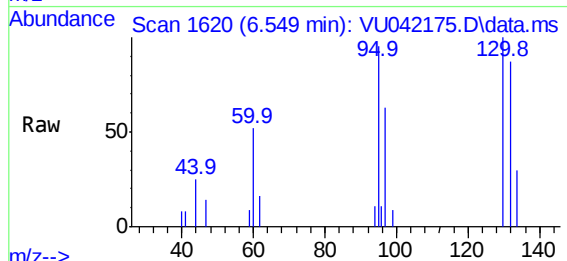




#34
Trichloroethene
Concen: 0.28 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.003 min
Lab File: VU042175.D
Acq: 22 Jan 2021 17:22

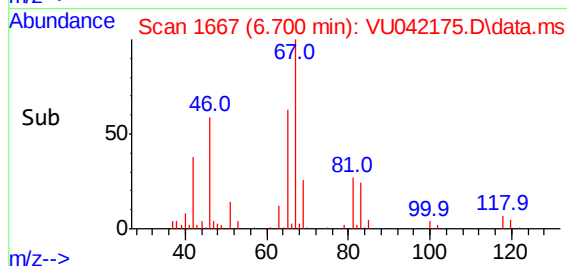
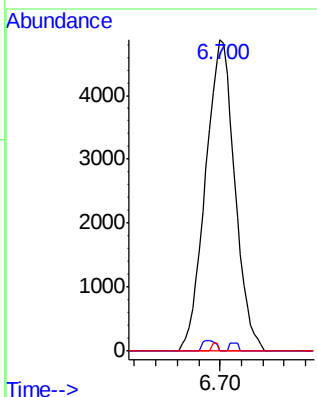
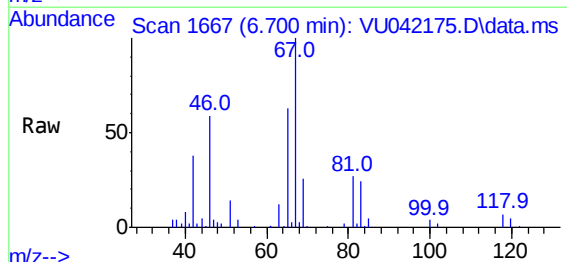
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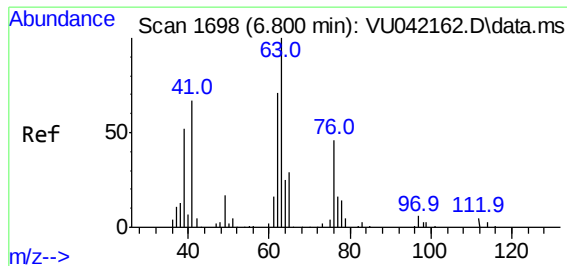
Tgt Ion: 95 Resp: 2197
Ion Ratio Lower Upper
95 100
97 66.4 44.4 82.4
132 90.7 68.0 126.4
130 104.8 69.2 128.4



#35
Methylcyclohexane
Concen: 0.71 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042175.D
Acq: 22 Jan 2021 17:22

Tgt Ion: 83 Resp: 9201
Ion Ratio Lower Upper
83 100
55 1.5 68.2 102.4#
98 0.5 39.7 59.5#

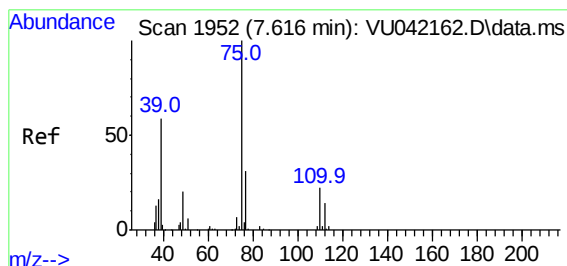
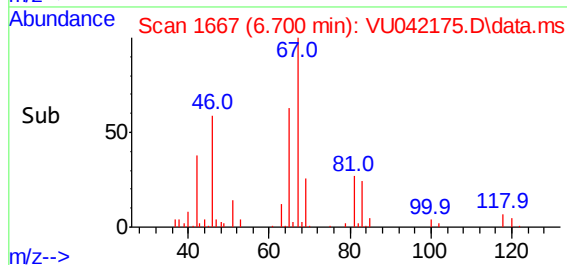
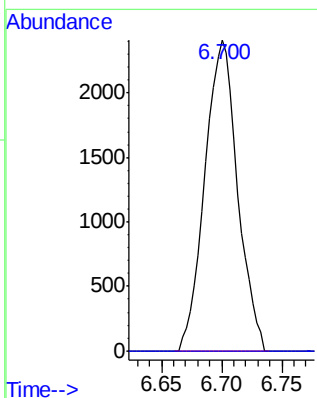
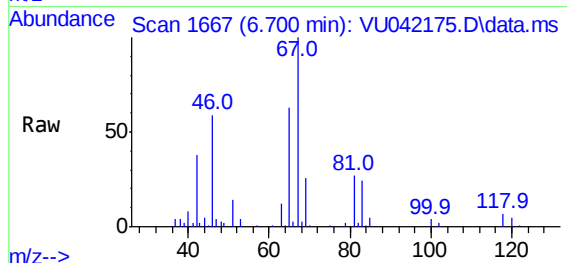




#37
1,2-Dichloropropane
Concen: 0.59 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042175.D
Acq: 22 Jan 2021 17:22

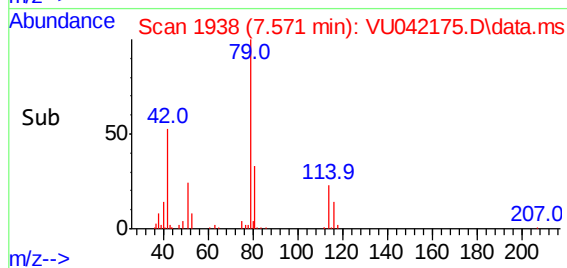
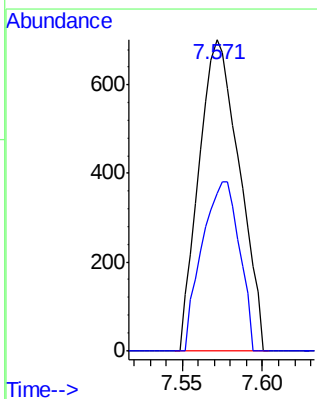
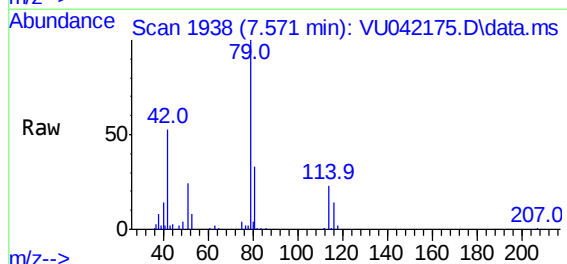
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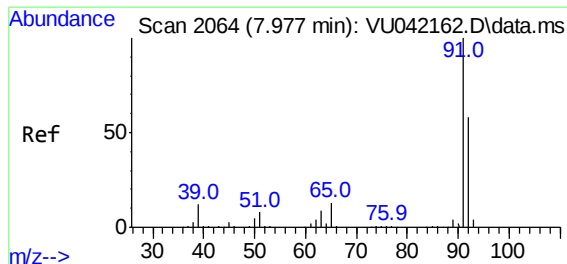
Tgt Ion: 63 Resp: 4442
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU042175.D
Acq: 22 Jan 2021 17:22

Tgt Ion: 75 Resp: 1202
Ion Ratio Lower Upper
75 100
77 50.7 22.0 40.8#

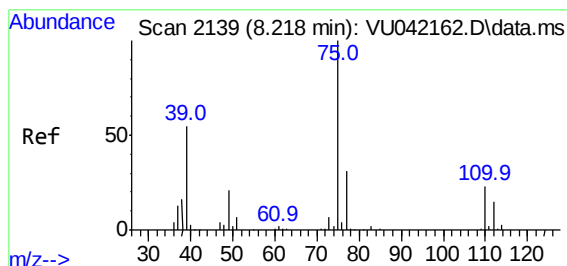
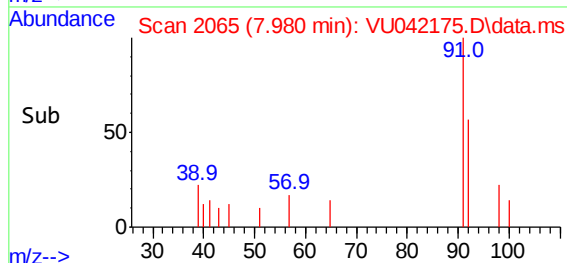
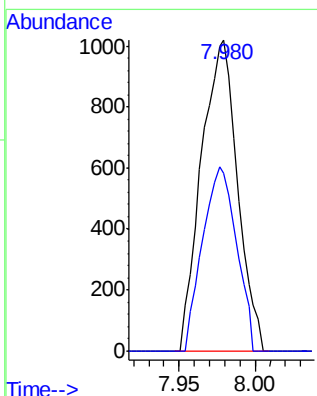
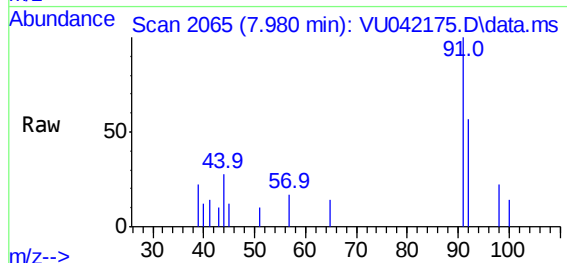




#42
Toluene
Concen: 0.05 ug/L
RT: 7.980 min Scan# 2065
Delta R.T. 0.003 min
Lab File: VU042175.D
Acq: 22 Jan 2021 17:22

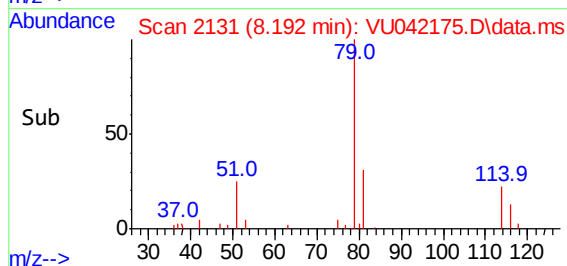
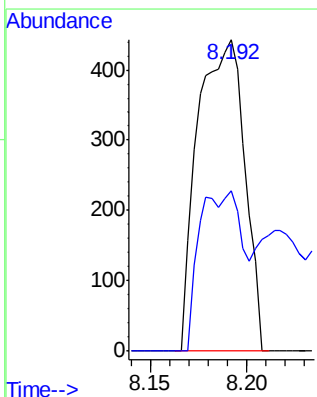
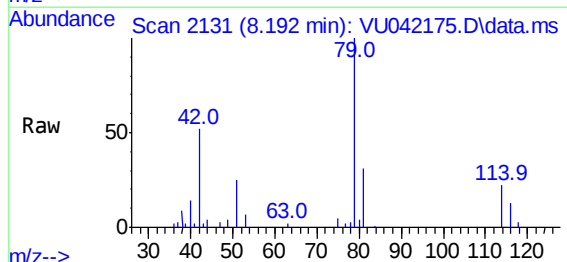
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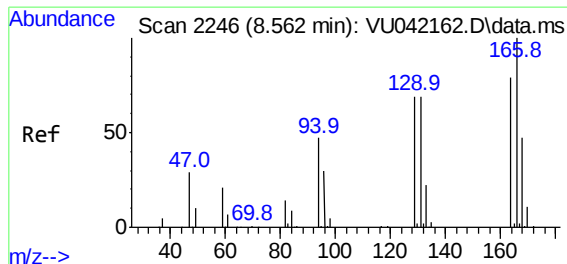
Tgt Ion: 91 Resp: 1688
Ion Ratio Lower Upper
91 100
92 57.4 41.2 76.6



#44
trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.192 min Scan# 2131
Delta R.T. -0.026 min
Lab File: VU042175.D
Acq: 22 Jan 2021 17:22

Tgt Ion: 75 Resp: 749
Ion Ratio Lower Upper
75 100
77 51.5 21.8 40.4#



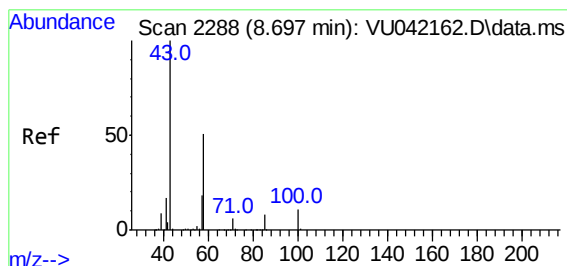
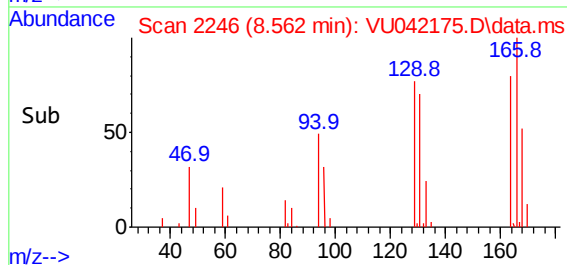
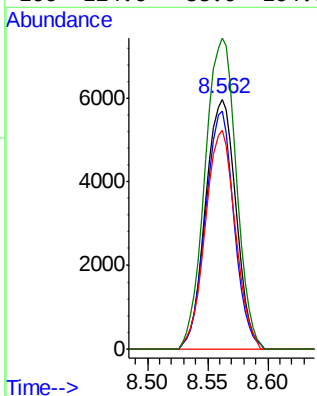
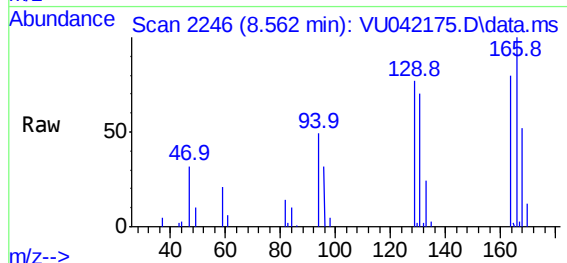


#47
Tetrachloroethene
Concen: 1.59 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.000 min
Lab File: VU042175.D
Acq: 22 Jan 2021 17:22

Instrument :
MSVOA_U
ClientSampleId :
F1E17

Tgt Ion:164 Resp: 10212

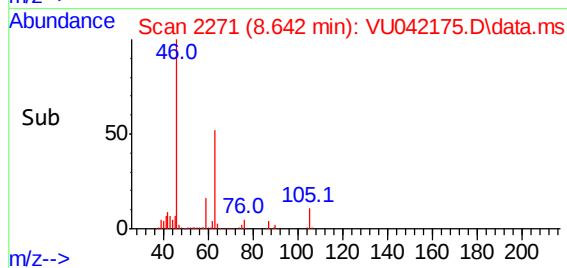
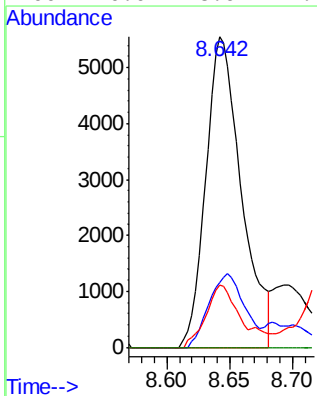
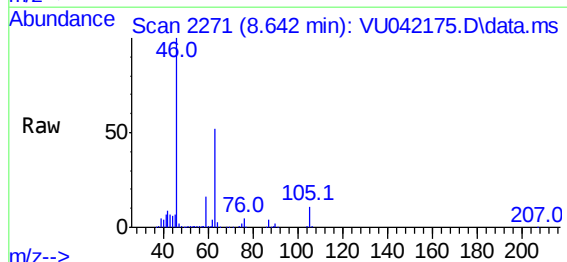
Ion	Ratio	Lower	Upper
164	100		
129	95.6	64.3	119.5
131	87.8	62.2	115.6
166	124.6	88.6	164.6

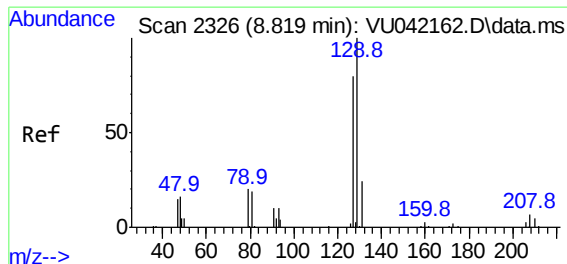


#48
2-Hexanone
Concen: 2.44 ug/L
RT: 8.642 min Scan# 2271
Delta R.T. -0.055 min
Lab File: VU042175.D
Acq: 22 Jan 2021 17:22

Tgt Ion: 43 Resp: 10959

Ion	Ratio	Lower	Upper
43	100		
58	23.8	40.6	61.0#
57	20.0	14.9	22.3
100	0.0	8.6	12.8#

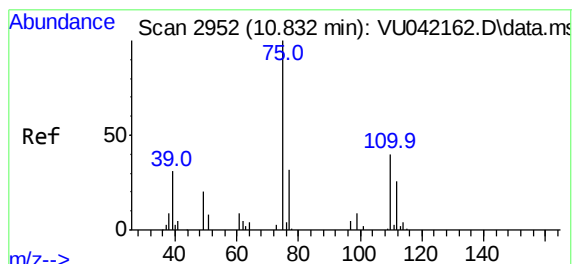
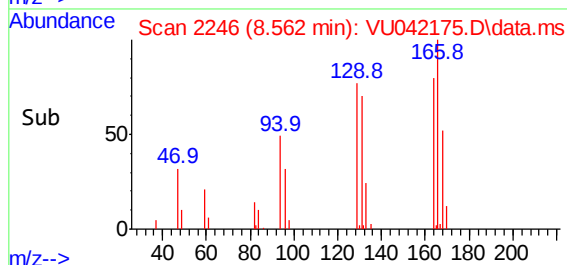
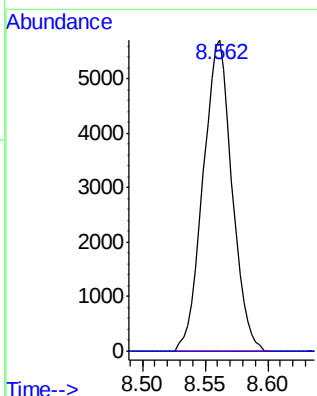
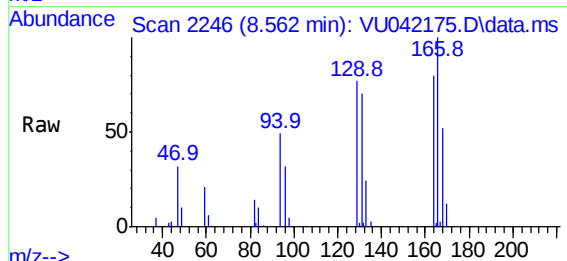




#49
Dibromochloromethane
Concen: 1.23 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU042175.D
Acq: 22 Jan 2021 17:22

Instrument :
MSVOA_U
ClientSampleId :
F1E17

Tgt Ion:129 Resp: 9145
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#



#59
1,2,3-Trichloropropane
Concen: 1.17 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042175.D
Acq: 22 Jan 2021 17:22

Tgt Ion: 75 Resp: 6229
Ion Ratio Lower Upper
75 100
77 36.9 26.0 39.0

