

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012221\
 Data File : VU042177.D
 Acq On : 22 Jan 2021 18:10
 Operator : SY/MD
 Sample : M1222-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E19

Quant Time: Jan 23 06:24:54 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)

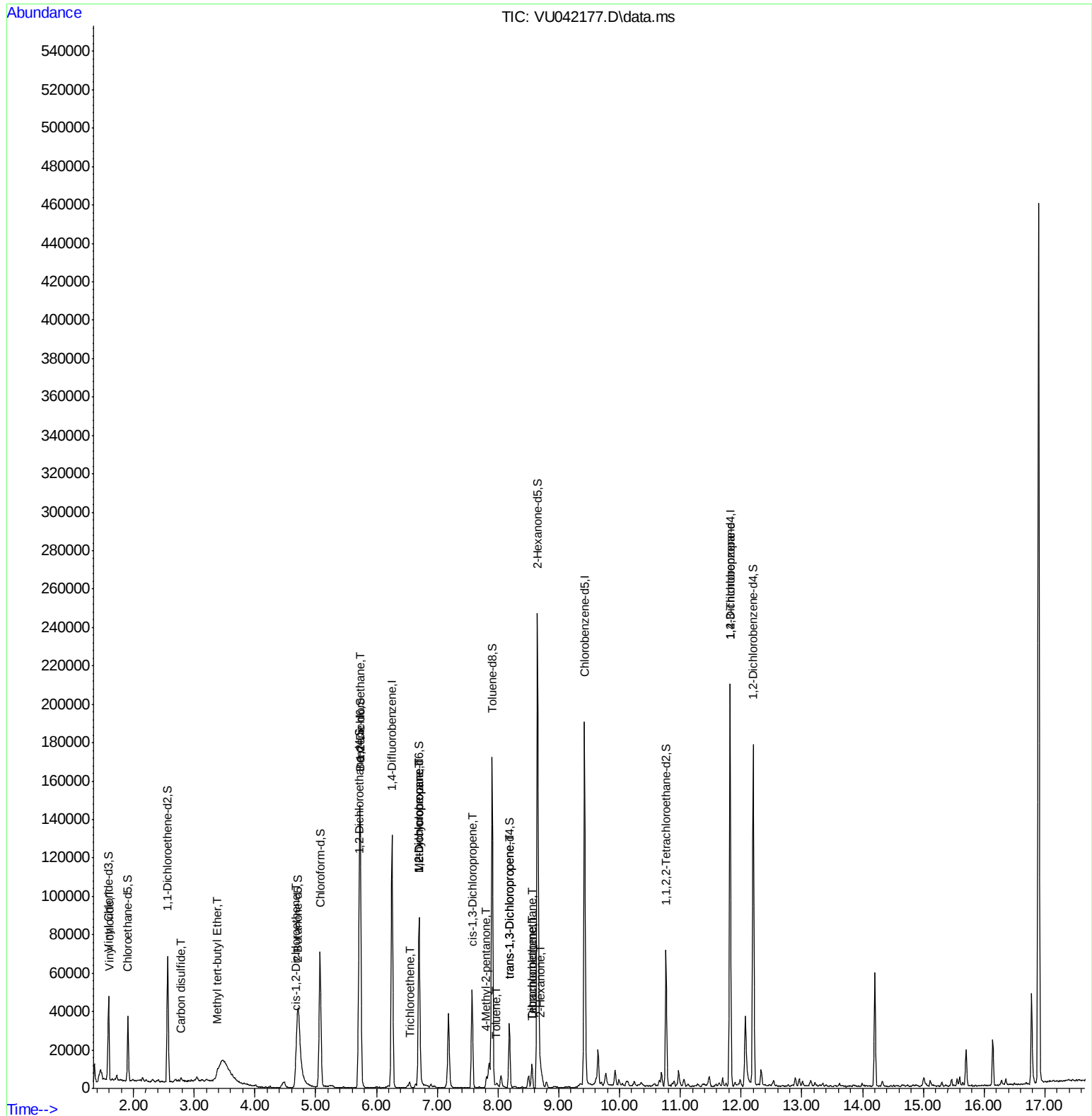
Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	101431	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	94947	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	52010	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.591	65	24290	3.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.20%
7) Chloroethane-d5	1.909	69	21690	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.562	63	38576	2.68	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.60%#
20) 2-Butanone-d5	4.706	46	118110	49.47	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.94%
24) Chloroform-d	5.070	84	62198	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.713	65	38476	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.732	84	113979	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.700	67	37726	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.902	98	104657	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloroprop...	8.185	79	17877	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.648	63	86529	49.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.06%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	32591	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	12.201	152	44275	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%
Target Compounds						
5) Vinyl chloride	1.597	62	314	0.04	ug/L #	1
14) Carbon disulfide	2.787	76	2058	0.09	ug/L #	79
17) Methyl tert-butyl Ether	3.382	73	1475	0.07	ug/L #	1
22) cis-1,2-Dichloroethene	4.671	96	3135	0.40	ug/L	98
27) 1,2-Dichloroethane	5.729	62	748	0.08	ug/L #	75
34) Trichloroethene	6.549	95	994	0.13	ug/L	91
35) Methylcyclohexane	6.700	83	9323	0.74	ug/L #	26
37) 1,2-Dichloropropane	6.700	63	4490	0.61	ug/L #	87
39) cis-1,3-Dichloropropene	7.575	75	1337	0.11	ug/L #	68
40) 4-Methyl-2-pentanone	7.809	43	6591	1.05	ug/L #	75
42) Toluene	7.973	91	1407	0.05	ug/L	98
44) trans-1,3-Dichloropropene	8.185	75	791	0.07	ug/L #	63
47) Tetrachloroethene	8.555	164	2385	0.38	ug/L	92
48) 2-Hexanone	8.700	43	6036	1.38	ug/L #	71
49) Dibromochloromethane	8.558	129	2241	0.31	ug/L #	12
59) 1,2,3-Trichloropropane	11.819	75	5968	1.15	ug/L	94

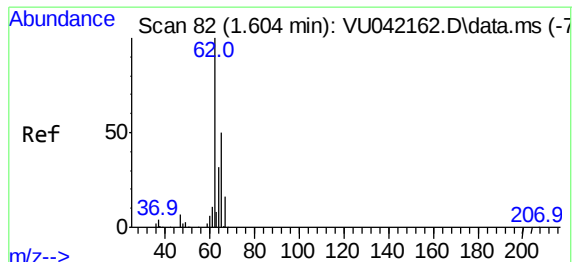
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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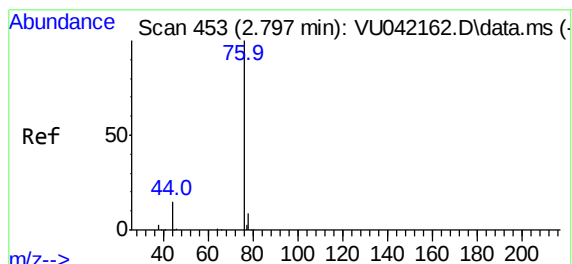
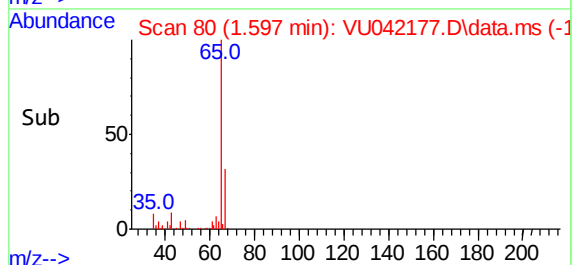
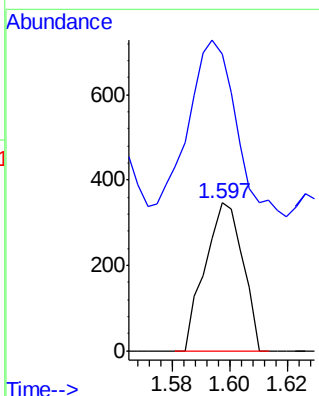
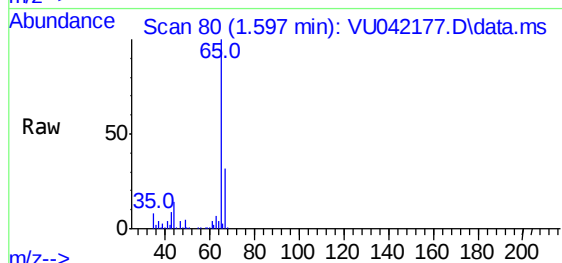




#5
 Vinyl chloride
 Concen: 0.04 ug/L
 RT: 1.597 min Scan# 80
 Delta R.T. -0.007 min
 Lab File: VU042177.D
 Acq: 22 Jan 2021 18:10

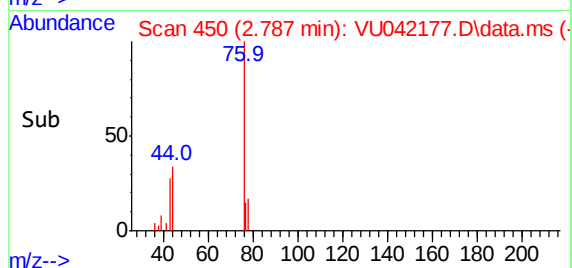
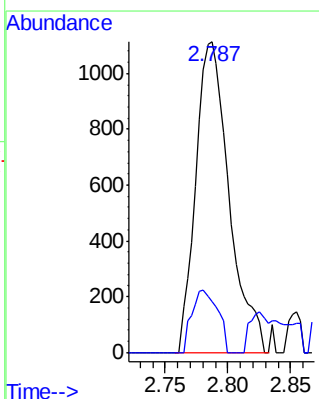
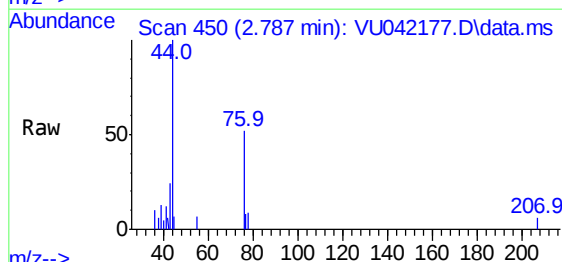
Instrument :
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 ClientSampleId :
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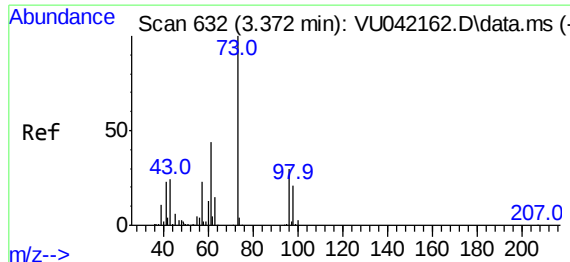
Tgt Ion: 62 Resp: 314
 Ion Ratio Lower Upper
 62 100
 64 200.6 22.7 42.1#



#14
 Carbon disulfide
 Concen: 0.09 ug/L
 RT: 2.787 min Scan# 450
 Delta R.T. -0.010 min
 Lab File: VU042177.D
 Acq: 22 Jan 2021 18:10

Tgt Ion: 76 Resp: 2058
 Ion Ratio Lower Upper
 76 100
 78 16.6 7.3 10.9#

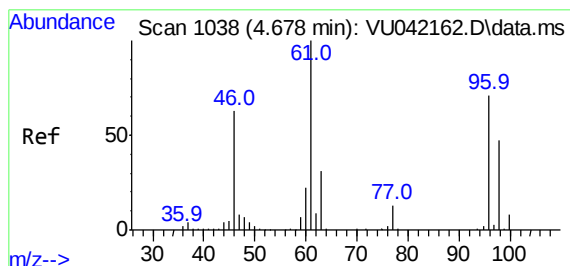
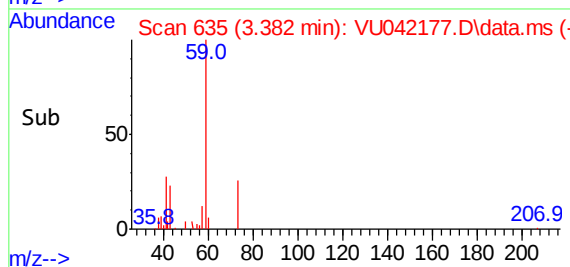
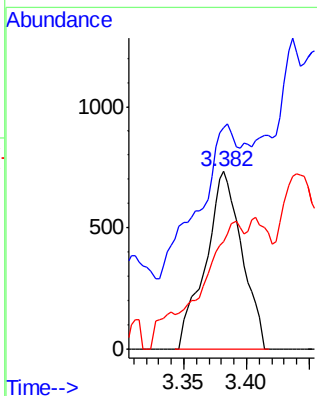
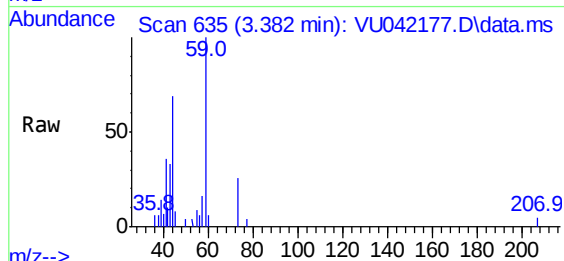




#17
Methyl tert-butyl Ether
Concen: 0.07 ug/L
RT: 3.382 min Scan# 635
Delta R.T. 0.010 min
Lab File: VU042177.D
Acq: 22 Jan 2021 18:10

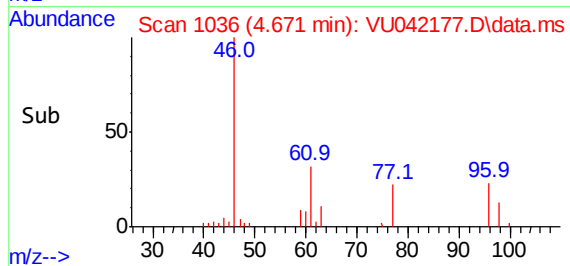
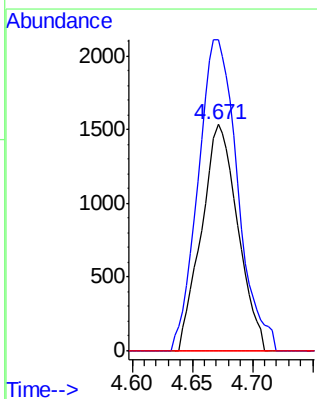
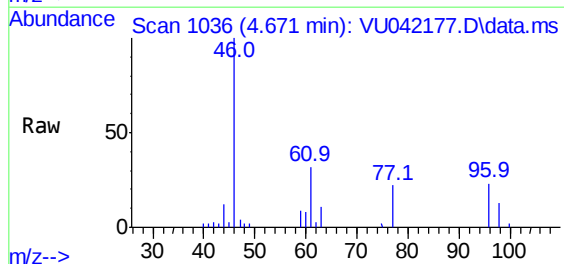
Instrument :
MSVOA_U
ClientSampled :
F1E19

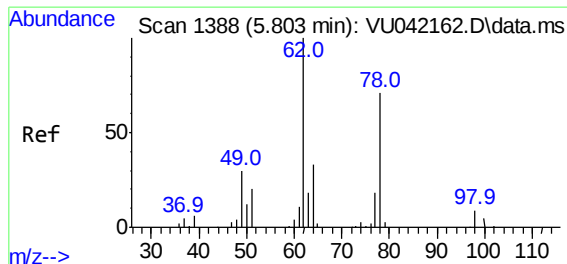
Tgt Ion: 73 Resp: 1475
Ion Ratio Lower Upper
73 100
43 92.9 18.9 28.3#
57 86.3 18.2 27.4#



#22
cis-1,2-Dichloroethene
Concen: 0.40 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VU042177.D
Acq: 22 Jan 2021 18:10

Tgt Ion: 96 Resp: 3135
Ion Ratio Lower Upper
96 100
61 137.4 97.8 181.6
68 0.0 0.0 0.0

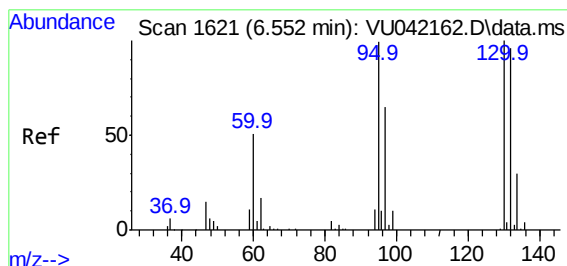
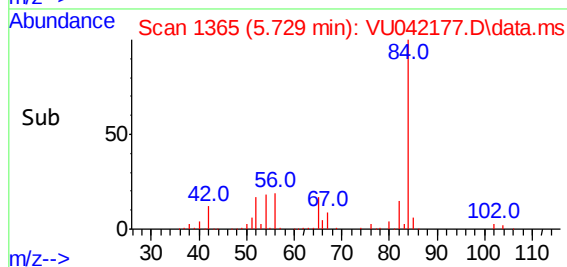
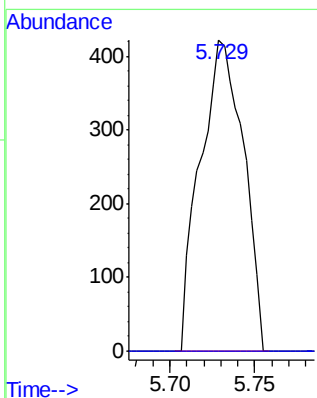
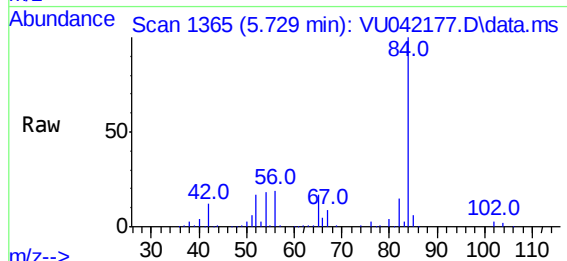




#27
1,2-Dichloroethane
Concen: 0.08 ug/L
RT: 5.729 min Scan# 1365
Delta R.T. -0.074 min
Lab File: VU042177.D
Acq: 22 Jan 2021 18:10

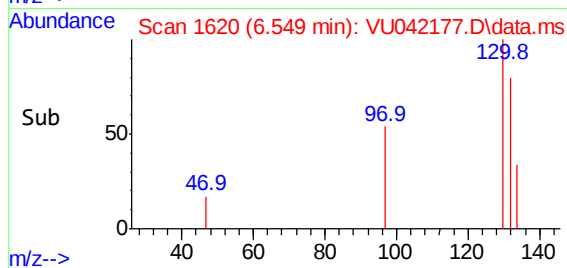
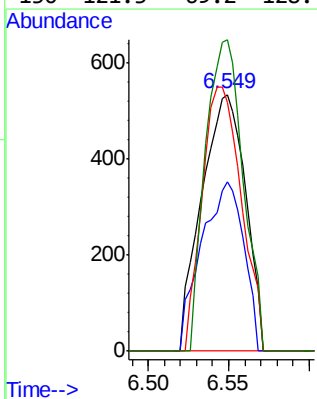
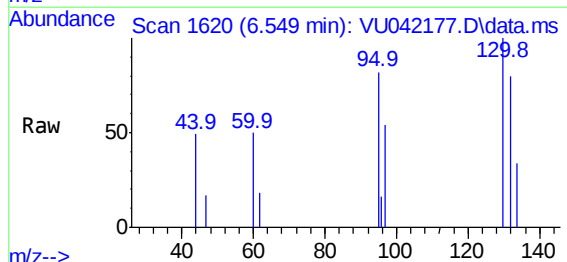
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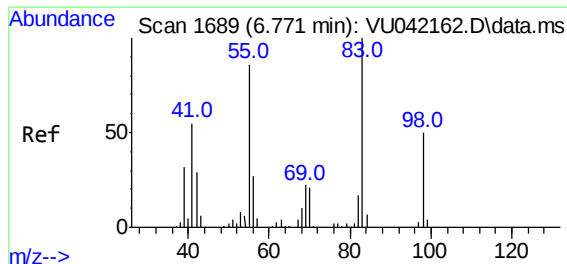
Tgt Ion: 62 Resp: 748
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#34
Trichloroethene
Concen: 0.13 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.003 min
Lab File: VU042177.D
Acq: 22 Jan 2021 18:10

Tgt Ion: 95 Resp: 994
Ion Ratio Lower Upper
95 100
97 65.7 44.4 82.4
132 97.0 68.0 126.4
130 121.3 69.2 128.4

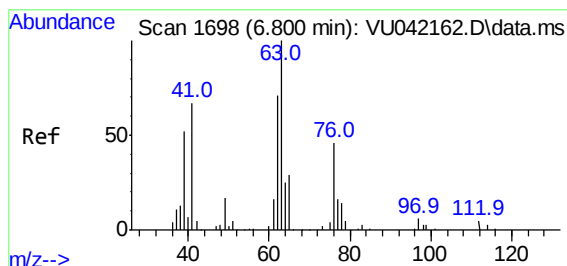
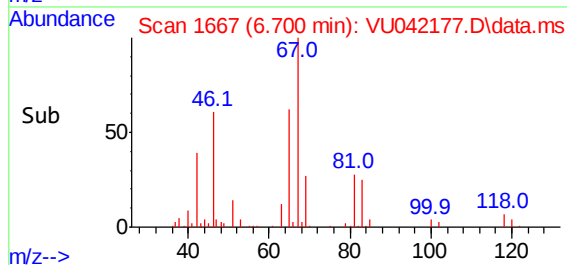
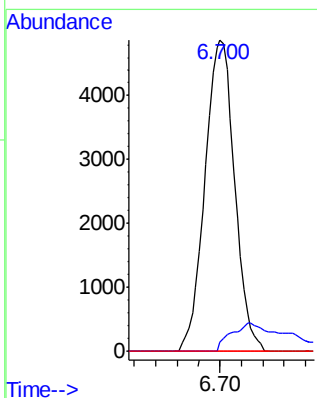
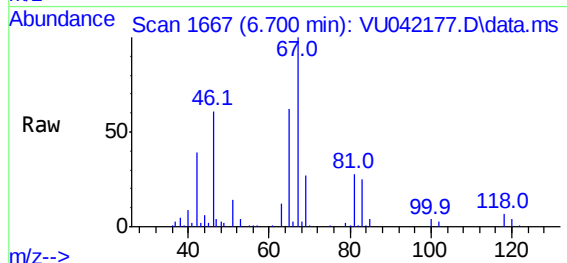




#35
Methylcyclohexane
Concen: 0.74 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042177.D
Acq: 22 Jan 2021 18:10

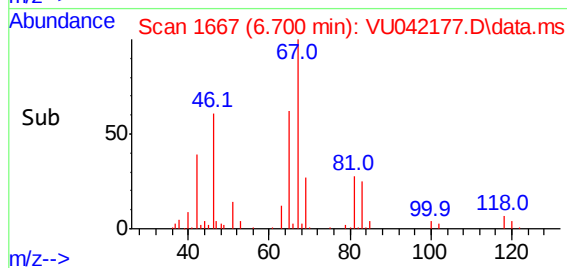
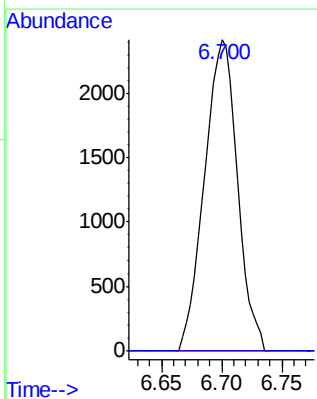
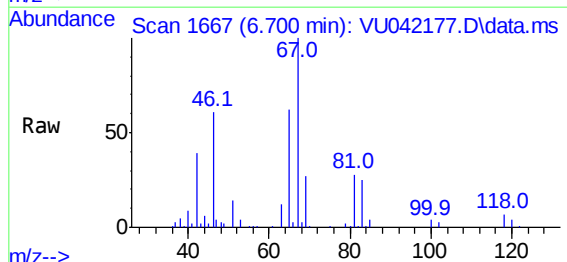
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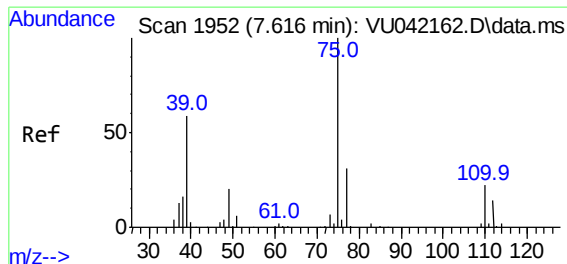
Tgt Ion: 83 Resp: 9323
Ion Ratio Lower Upper
83 100
55 16.2 68.2 102.4#
98 0.0 39.7 59.5#



#37
1,2-Dichloropropane
Concen: 0.61 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042177.D
Acq: 22 Jan 2021 18:10

Tgt Ion: 63 Resp: 4490
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

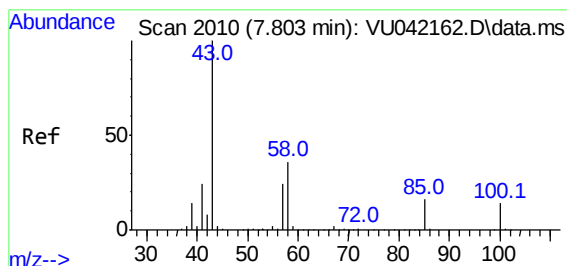
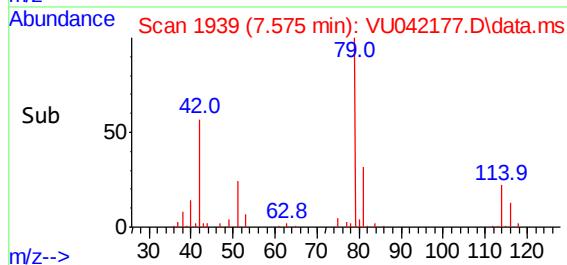
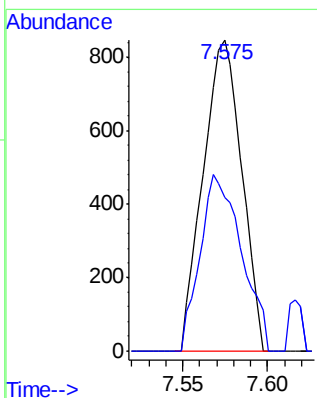
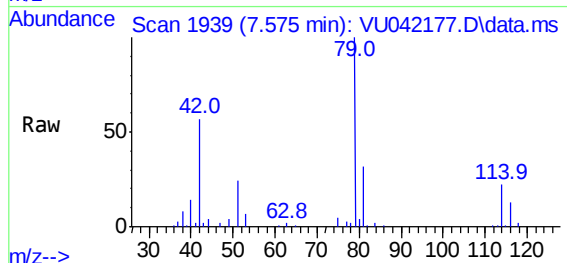




#39
cis-1,3-Dichloropropene
Concen: 0.11 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU042177.D
Acq: 22 Jan 2021 18:10

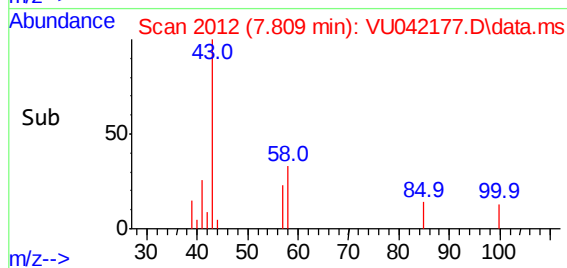
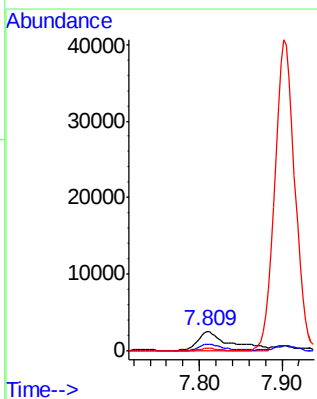
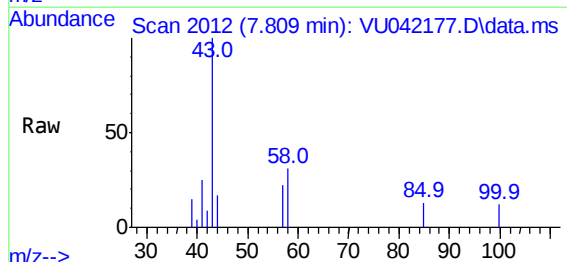
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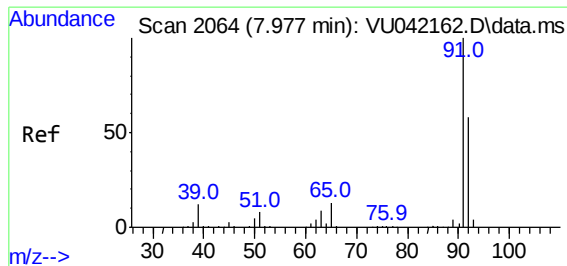
Tgt Ion: 75 Resp: 1337
Ion Ratio Lower Upper
75 100
77 49.4 22.0 40.8#



#40
4-Methyl-2-pentanone
Concen: 1.05 ug/L
RT: 7.809 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VU042177.D
Acq: 22 Jan 2021 18:10

Tgt Ion: 43 Resp: 6591
Ion Ratio Lower Upper
43 100
58 23.9 29.1 43.7#
100 0.0 11.0 16.4#

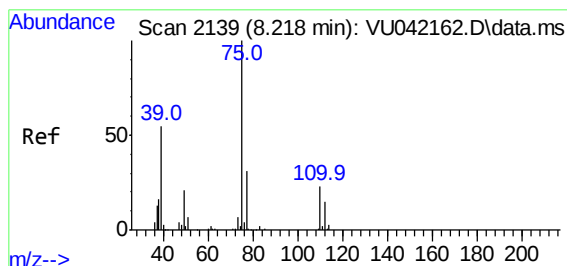
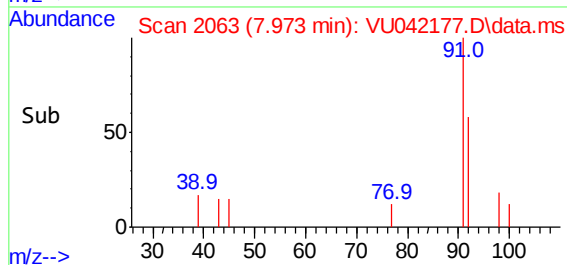
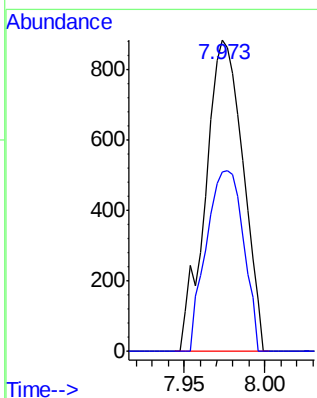
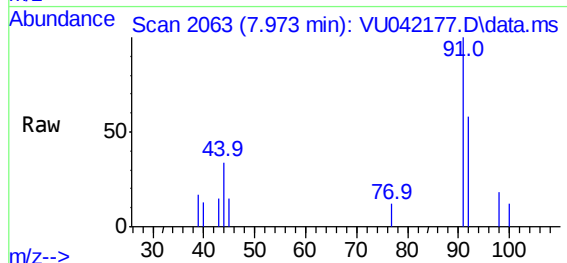




#42
Toluene
Concen: 0.05 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VU042177.D
Acq: 22 Jan 2021 18:10

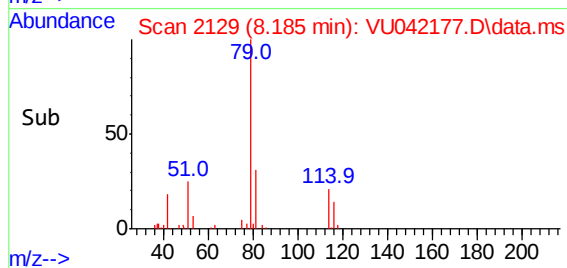
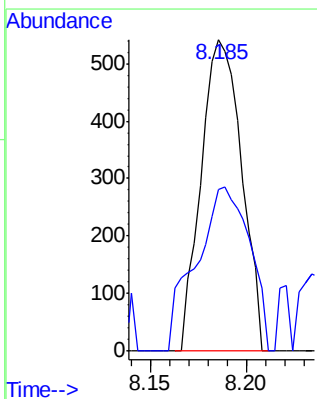
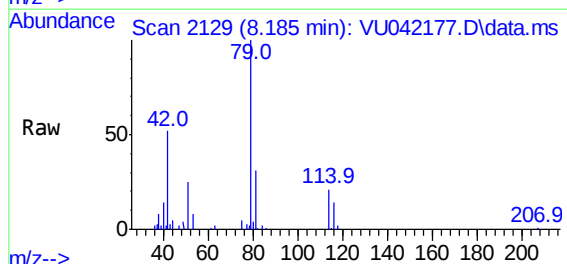
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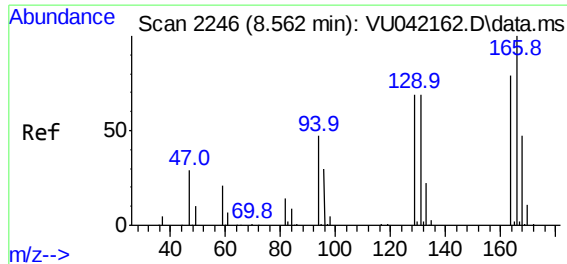
Tgt Ion: 91 Resp: 1407
Ion Ratio Lower Upper
91 100
92 57.6 41.2 76.6



#44
trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.032 min
Lab File: VU042177.D
Acq: 22 Jan 2021 18:10

Tgt Ion: 75 Resp: 791
Ion Ratio Lower Upper
75 100
77 51.7 21.8 40.4#



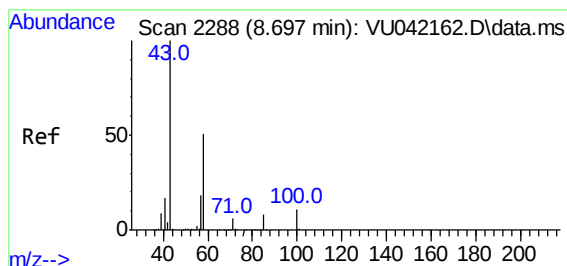
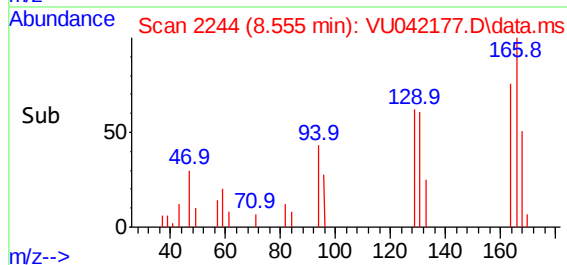
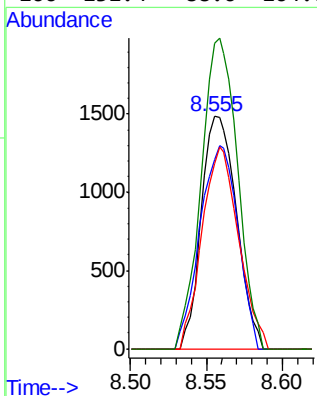
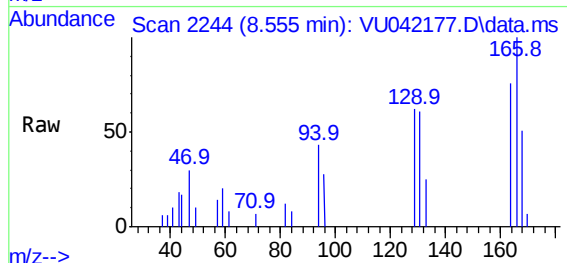


#47
Tetrachloroethene
Concen: 0.38 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.007 min
Lab File: VU042177.D
Acq: 22 Jan 2021 18:10

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:164 Resp: 2385

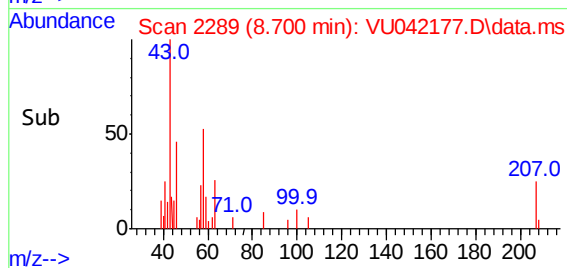
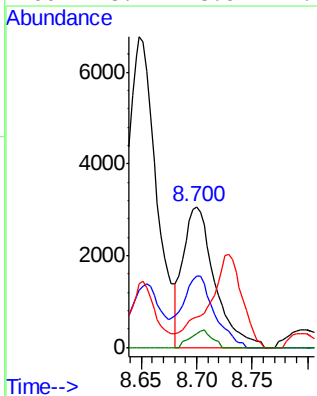
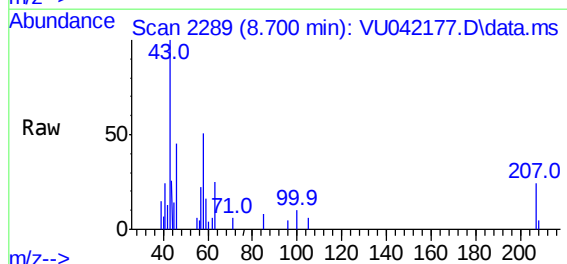
Ion	Ratio	Lower	Upper
164	100		
129	81.2	64.3	119.5
131	79.9	62.2	115.6
166	131.4	88.6	164.6

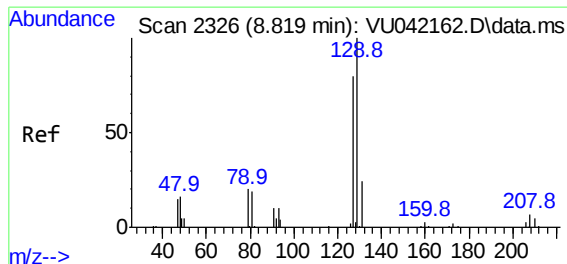


#48
2-Hexanone
Concen: 1.38 ug/L
RT: 8.700 min Scan# 2289
Delta R.T. 0.003 min
Lab File: VU042177.D
Acq: 22 Jan 2021 18:10

Tgt Ion: 43 Resp: 6036

Ion	Ratio	Lower	Upper
43	100		
58	51.2	40.6	61.0
57	72.1	14.9	22.3#
100	8.1	8.6	12.8#

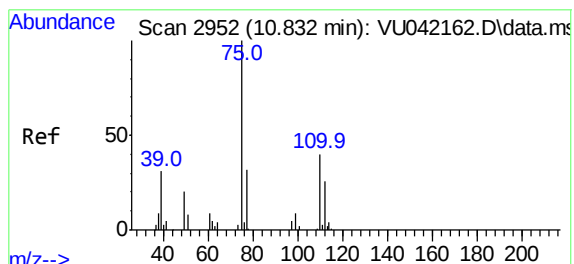
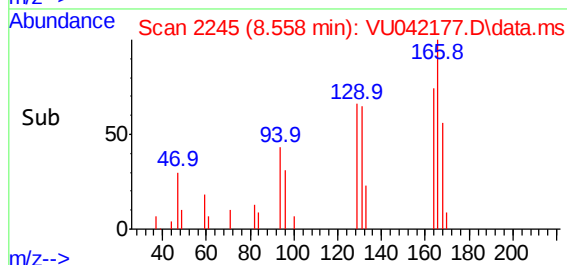
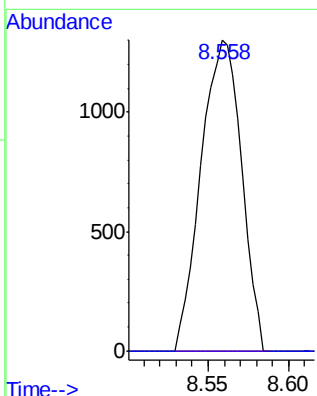
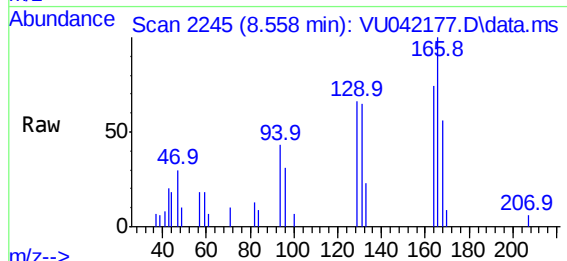




#49
Dibromochloromethane
Concen: 0.31 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.261 min
Lab File: VU042177.D
Acq: 22 Jan 2021 18:10

Instrument :
MSVOA_U
ClientSampleId :
F1E19

Tgt Ion:129 Resp: 2241
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#



#59
1,2,3-Trichloropropane
Concen: 1.15 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042177.D
Acq: 22 Jan 2021 18:10

Tgt Ion: 75 Resp: 5968
Ion Ratio Lower Upper
75 100
77 35.8 26.0 39.0

