

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012221\
 Data File : VU042176.D
 Acq On : 22 Jan 2021 17:46
 Operator : SY/MD
 Sample : M1222-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E18

Quant Time: Jan 23 06:24:24 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	101548	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	95759	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	53766	5.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	25248	3.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.00%
7) Chloroethane-d5	1.916	69	22557	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.572	63	45616	3.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.20%
20) 2-Butanone-d5	4.652	46	113316	47.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.82%
24) Chloroform-d	5.073	84	62313	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.713	65	38837	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.736	84	113790	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.700	67	37837	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.906	98	104808	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloroprop...	8.186	79	17465	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.645	63	85772	48.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.38%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	33537	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	12.201	152	44702	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

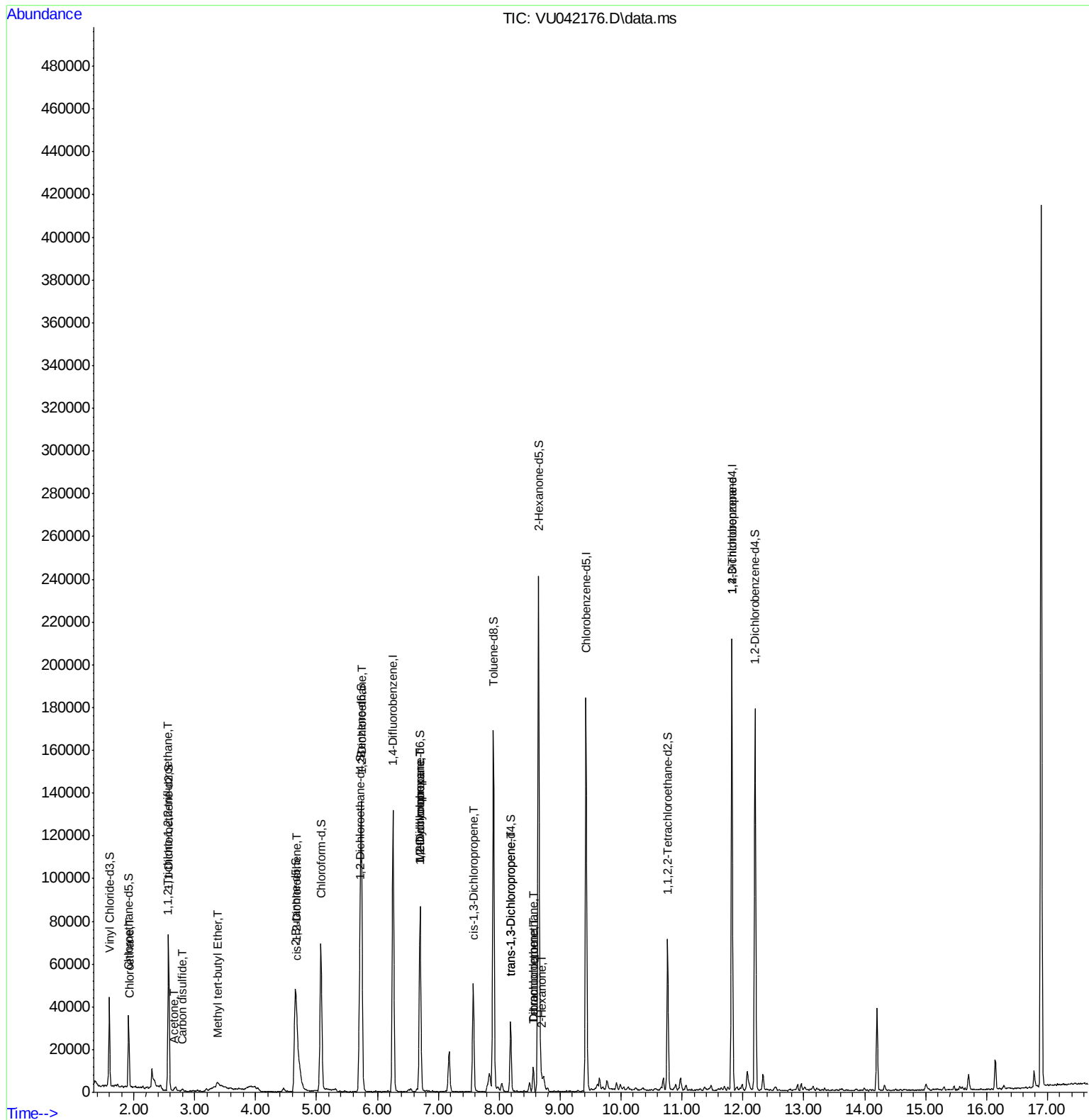
Target Compounds						Qvalue
8) Chloroethane	1.925	64	204	0.04	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	415	0.06	ug/L #	18
13) Acetone	2.668	43	1670	1.05	ug/L	55
14) Carbon disulfide	2.800	76	1478	0.06	ug/L #	75
17) Methyl tert-butyl Ether	3.372	73	1541	0.08	ug/L #	53
22) cis-1,2-Dichloroethene	4.671	96	2491	0.32	ug/L	94
27) 1,2-Dichloroethane	5.739	62	730	0.07	ug/L #	75
35) Methylcyclohexane	6.700	83	9127	0.72	ug/L #	15
37) 1,2-Dichloropropane	6.697	63	4469	0.60	ug/L #	87
39) cis-1,3-Dichloropropene	7.571	75	1340	0.11	ug/L #	60
44) trans-1,3-Dichloropropene	8.186	75	775	0.07	ug/L	84
47) Tetrachloroethene	8.555	164	2677	0.42	ug/L	90
48) 2-Hexanone	8.694	43	2327	0.53	ug/L #	31
49) Dibromochloromethane	8.562	129	2186	0.30	ug/L #	12
59) 1,2,3-Trichloropropane	11.819	75	6032	1.15	ug/L	90

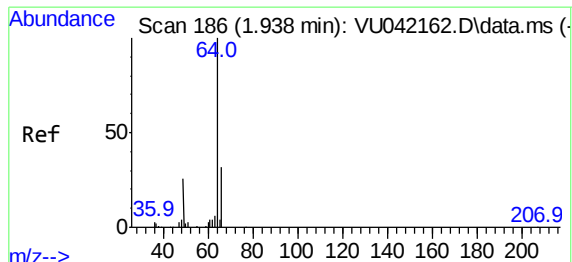
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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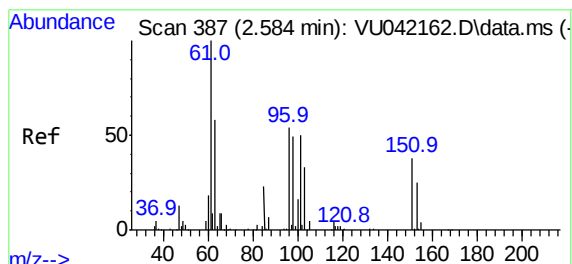
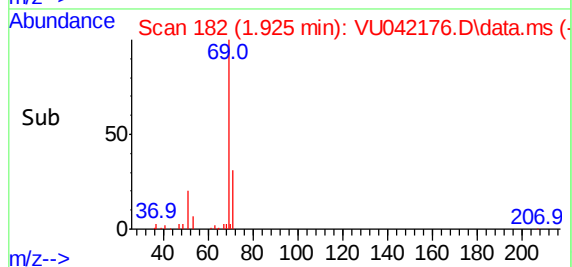
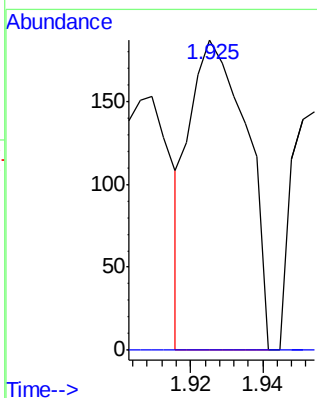
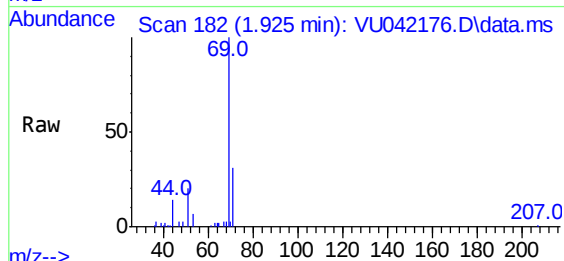




#8
Chloroethane
Concen: 0.04 ug/L
RT: 1.925 min Scan# 182
Delta R.T. -0.013 min
Lab File: VU042176.D
Acq: 22 Jan 2021 17:46

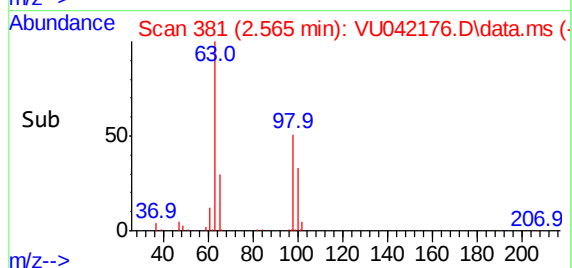
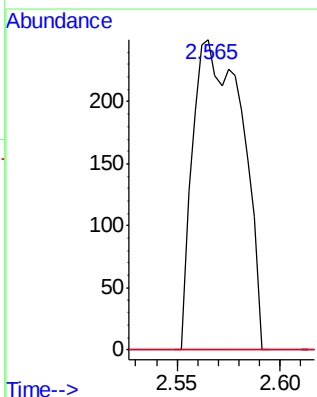
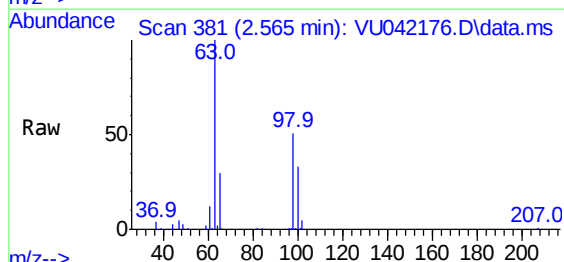
Instrument :
MSVOA_U
ClientSampleId :
F1E18

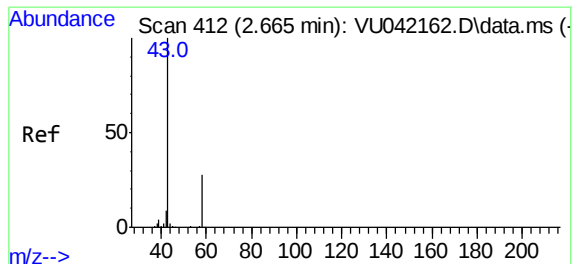
Tgt Ion: 64 Resp: 204
Ion Ratio Lower Upper
64 100
66 0.0 22.2 41.2#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.06 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.019 min
Lab File: VU042176.D
Acq: 22 Jan 2021 17:46

Tgt Ion:101 Resp: 415
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 62.7 94.1#

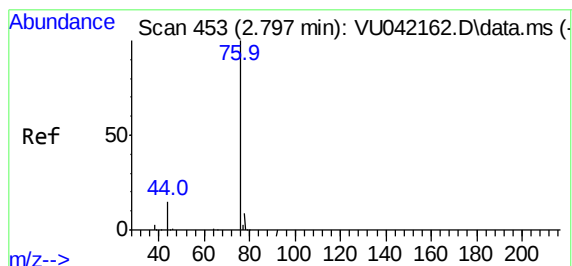
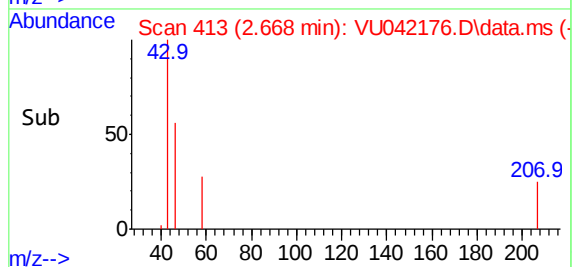
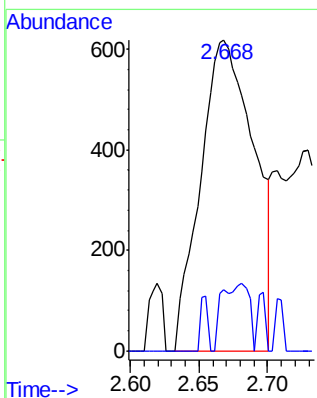
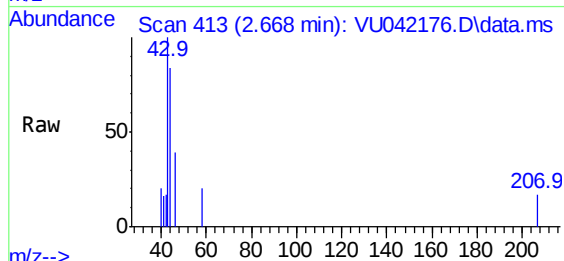




#13
Acetone
Concen: 1.05 ug/L
RT: 2.668 min Scan# 413
Delta R.T. 0.003 min
Lab File: VU042176.D
Acq: 22 Jan 2021 17:46

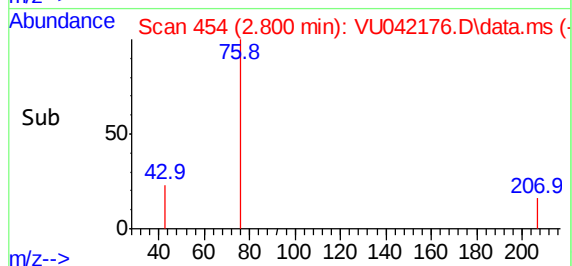
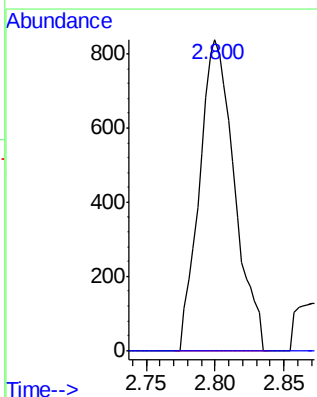
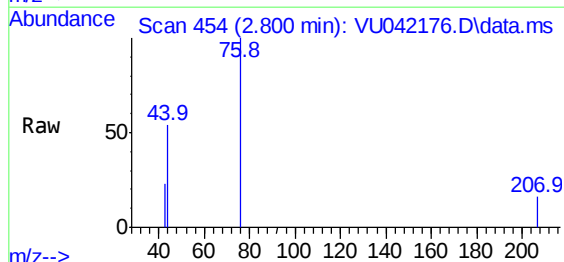
Instrument :
MSVOA_U
ClientSampleId :
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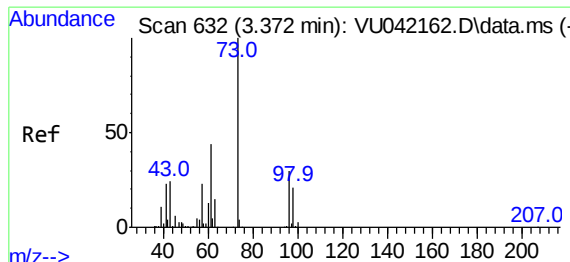
Tgt Ion: 43 Resp: 1670
Ion Ratio Lower Upper
43 100
58 4.1 0.0 55.8



#14
Carbon disulfide
Concen: 0.06 ug/L
RT: 2.800 min Scan# 454
Delta R.T. 0.003 min
Lab File: VU042176.D
Acq: 22 Jan 2021 17:46

Tgt Ion: 76 Resp: 1478
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#





#17

Methyl tert-butyl Ether

Concen: 0.08 ug/L

RT: 3.372 min Scan# 632

Delta R.T. 0.000 min

Lab File: VU042176.D

Acq: 22 Jan 2021 17:46

Tgt Ion: 73 Resp: 1541

Ion Ratio Lower Upper

73 100

43 7.5 18.9 28.3#

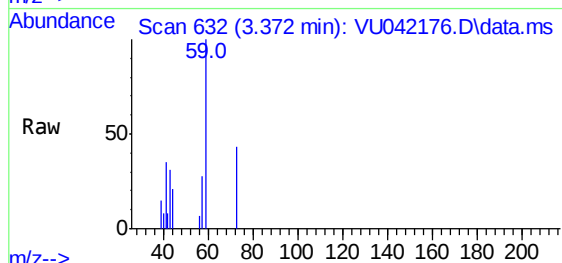
57 52.9 18.2 27.4#

Instrument :

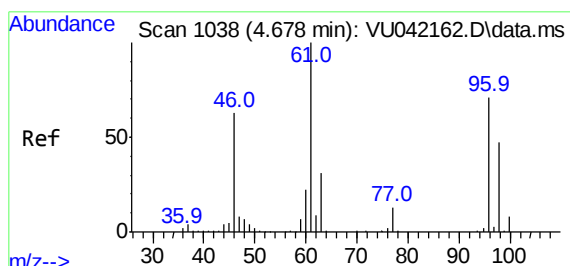
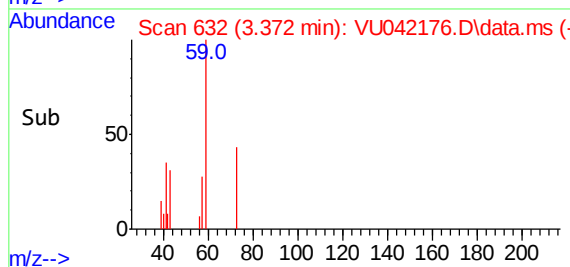
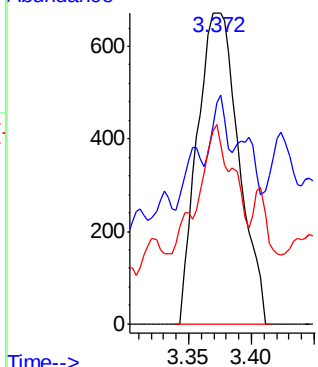
MSVOA_U

ClientSampleId :

F1E18



Abundance



#22

cis-1,2-Dichloroethene

Concen: 0.32 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VU042176.D

Acq: 22 Jan 2021 17:46

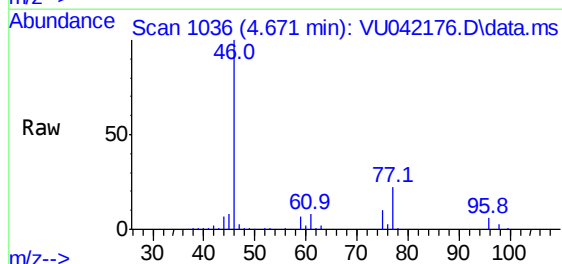
Tgt Ion: 96 Resp: 2491

Ion Ratio Lower Upper

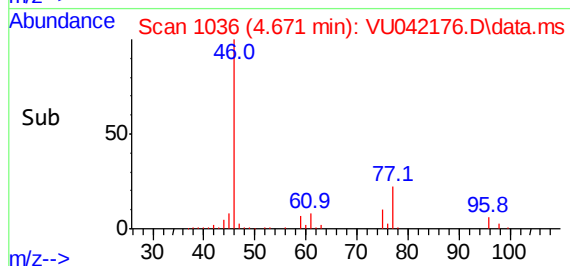
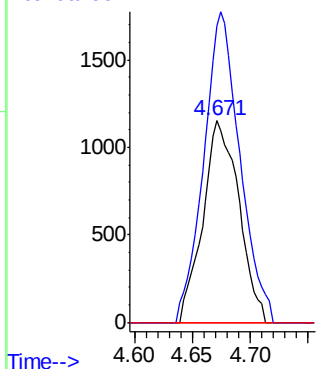
96 100

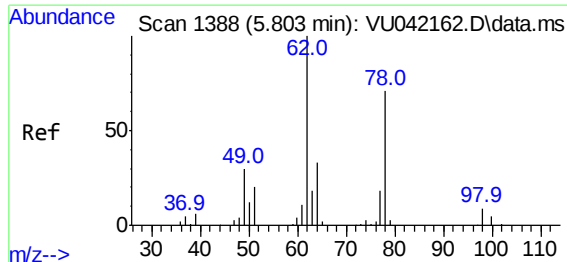
61 146.8 97.8 181.6

68 0.0 0.0 0.0



Abundance

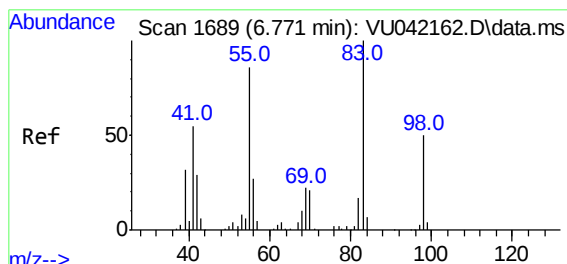
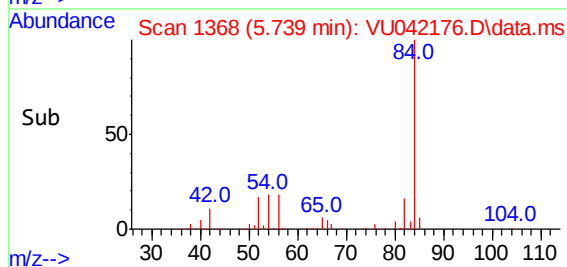
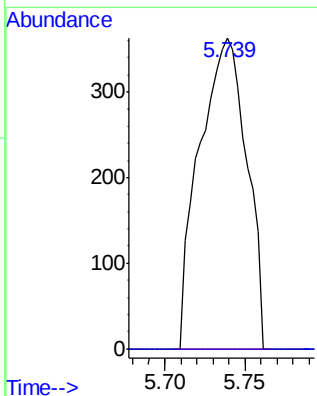
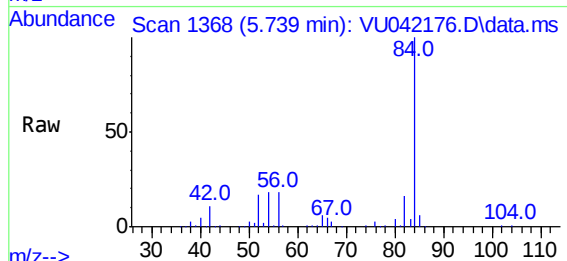




#27
1,2-Dichloroethane
Concen: 0.07 ug/L
RT: 5.739 min Scan# 1368
Delta R.T. -0.064 min
Lab File: VU042176.D
Acq: 22 Jan 2021 17:46

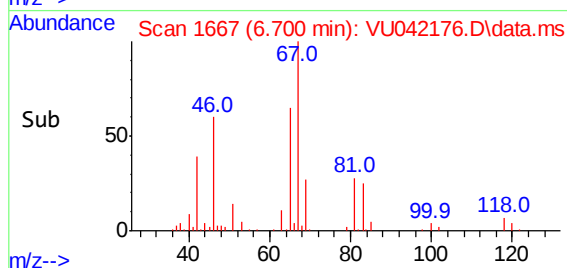
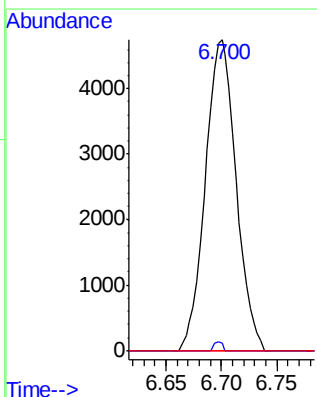
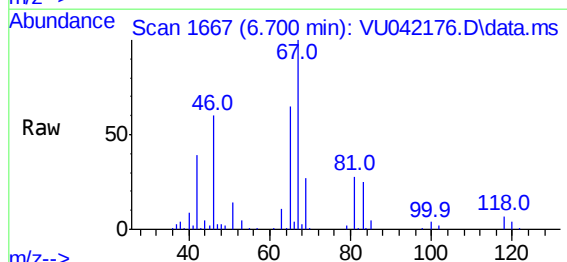
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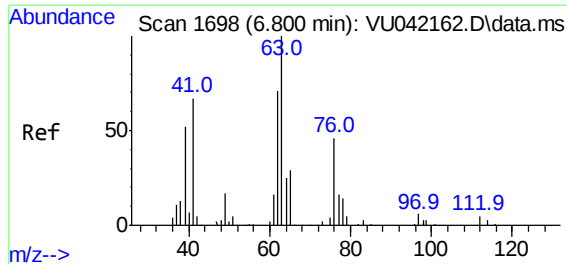
Tgt Ion: 62 Resp: 730
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#35
Methylcyclohexane
Concen: 0.72 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042176.D
Acq: 22 Jan 2021 17:46

Tgt Ion: 83 Resp: 9127
Ion Ratio Lower Upper
83 100
55 0.8 68.2 102.4#
98 0.0 39.7 59.5#

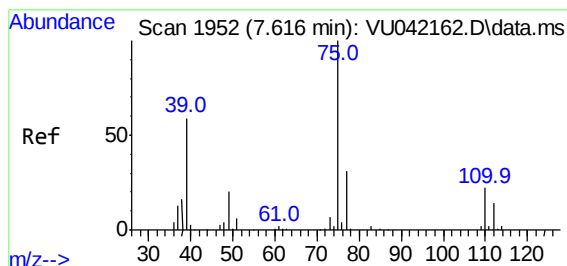
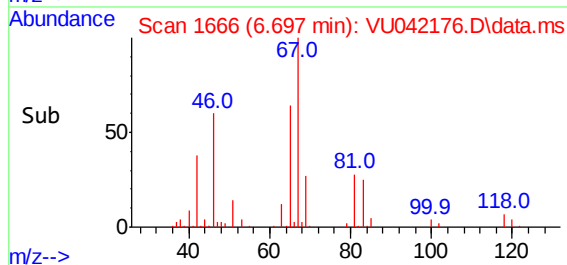
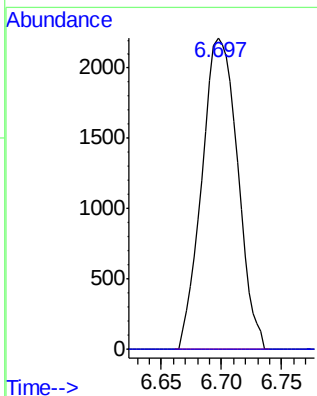
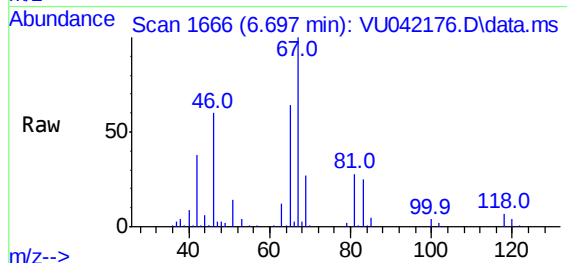




#37
1,2-Dichloropropane
Concen: 0.60 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.103 min
Lab File: VU042176.D
Acq: 22 Jan 2021 17:46

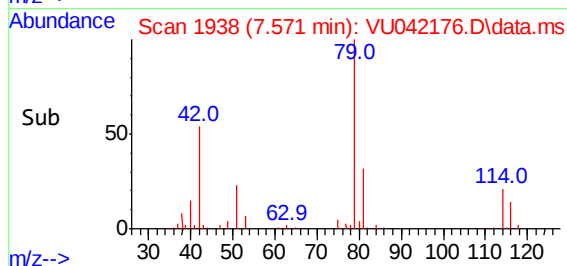
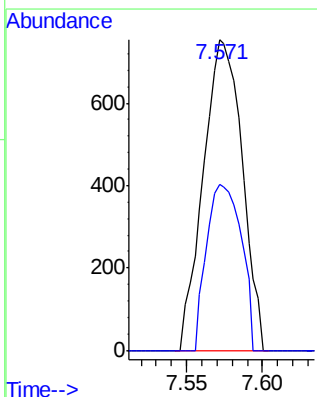
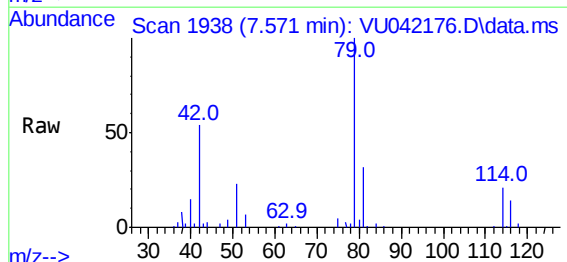
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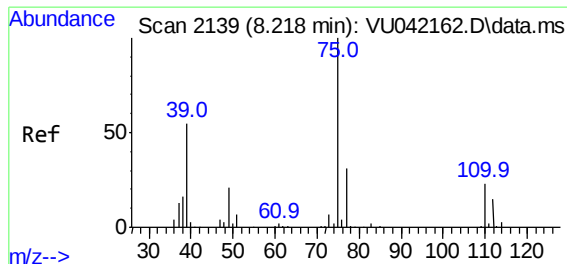
Tgt Ion: 63 Resp: 4469
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.11 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU042176.D
Acq: 22 Jan 2021 17:46

Tgt Ion: 75 Resp: 1340
Ion Ratio Lower Upper
75 100
77 53.6 22.0 40.8#

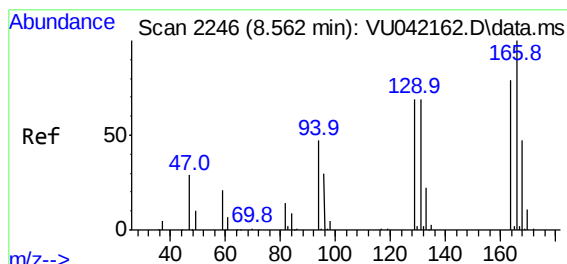
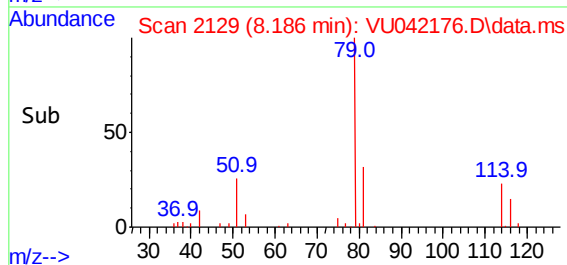
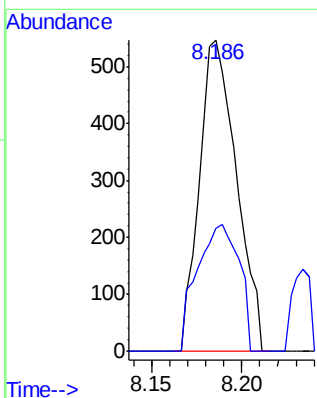
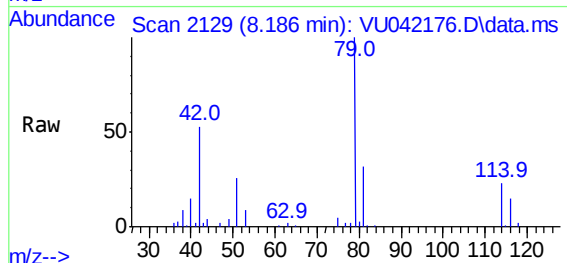




#44
trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.186 min Scan# 2129
Delta R.T. -0.032 min
Lab File: VU042176.D
Acq: 22 Jan 2021 17:46

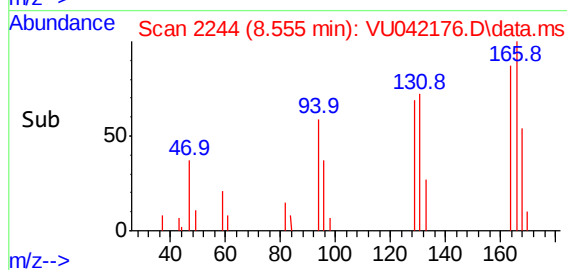
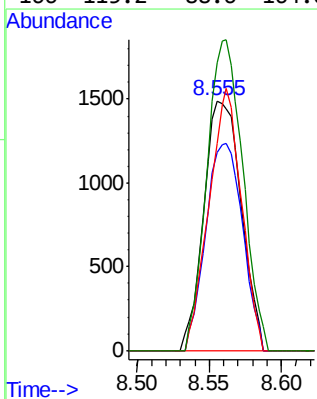
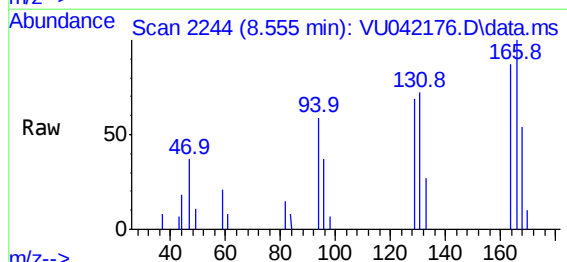
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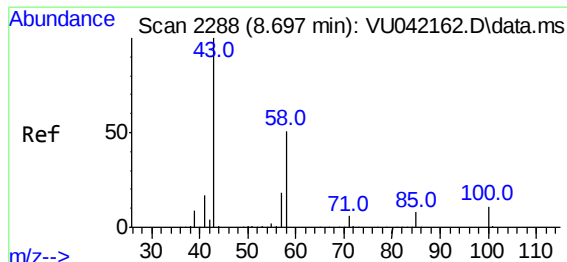
Tgt Ion: 75 Resp: 775
Ion Ratio Lower Upper
75 100
77 39.7 21.8 40.4



#47
Tetrachloroethene
Concen: 0.42 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.006 min
Lab File: VU042176.D
Acq: 22 Jan 2021 17:46

Tgt Ion: 164 Resp: 2677
Ion Ratio Lower Upper
164 100
129 79.3 64.3 119.5
131 82.8 62.2 115.6
166 115.2 88.6 164.6

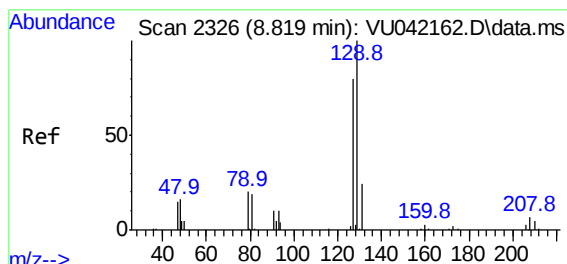
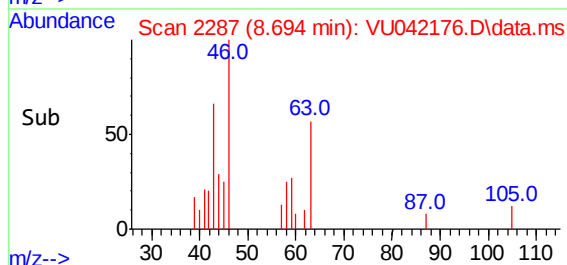
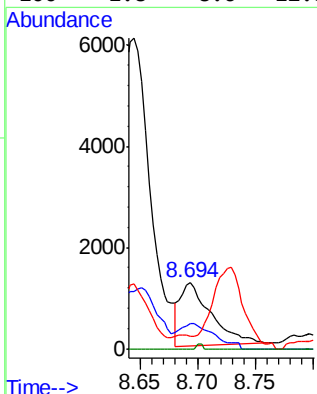
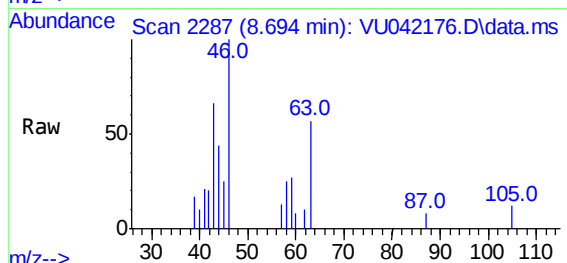




#48
2-Hexanone
Concen: 0.53 ug/L
RT: 8.694 min Scan# 2287
Delta R.T. -0.003 min
Lab File: VU042176.D
Acq: 22 Jan 2021 17:46

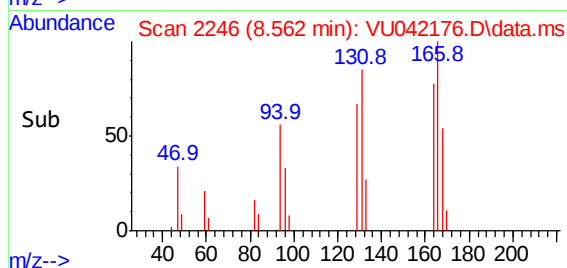
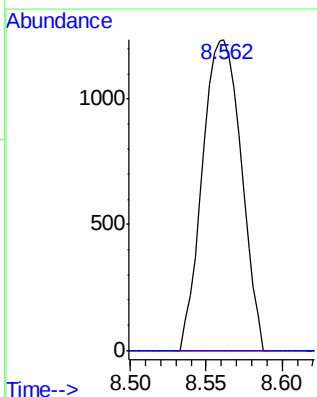
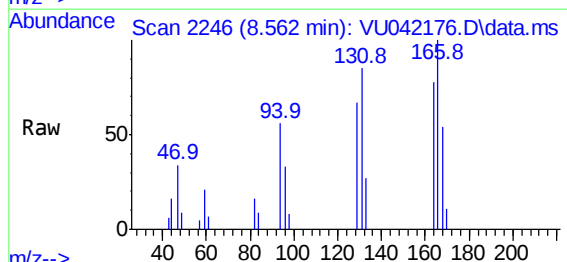
Instrument :
MSVOA_U
ClientSampleId :
F1E18

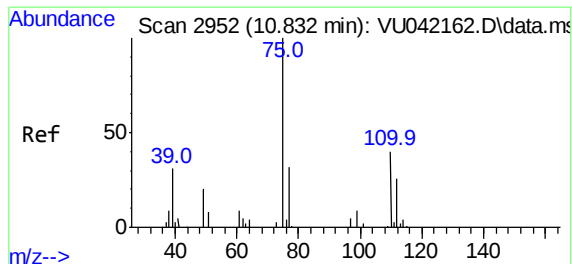
Tgt Ion: 43 Resp: 2327
Ion Ratio Lower Upper
43 100
58 43.0 40.6 61.0
57 131.8 14.9 22.3#
100 1.8 8.6 12.8#



#49
Dibromochloromethane
Concen: 0.30 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU042176.D
Acq: 22 Jan 2021 17:46

Tgt Ion: 129 Resp: 2186
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: VU042176.D
 Acq: 22 Jan 2021 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E18

Tgt Ion: 75 Resp: 6032
 Ion Ratio Lower Upper
 75 100
 77 38.1 26.0 39.0

