

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031521\
 Data File : VU042657.D
 Acq On : 15 Mar 2021 12:10
 Operator : SY/MD
 Sample : M1656-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW108

Quant Time: Mar 16 01:34:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR030221WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Mar 16 01:32:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	81807	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	80538	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	38160	5.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	22055	4.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.80%
7) Chloroethane-d5	1.919	69	20991	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.575	63	40564	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.645	46	88269	49.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.58%
24) Chloroform-d	5.073	84	51306	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.710	65	34517	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.735	84	92589	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.700	67	30792	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.906	98	88965	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloroprop...	8.185	79	13225	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.645	63	65912	46.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.52%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	27171	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	12.201	152	34713	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	71401	9.87	ug/L	100
12) 1,1-Dichloroethene	2.584	96	6164	1.07	ug/L #	1
18) trans-1,2-Dichloroethene	3.362	96	11950	1.97	ug/L	97
19) 1,1-Dichloroethane	3.877	63	5276	0.45	ug/L	96
22) cis-1,2-Dichloroethene	4.678	96	1595829	246.39	ug/L	97
25) Chloroform	5.099	83	2809	0.23	ug/L	94
27) 1,2-Dichloroethane	5.735	62	739	0.08	ug/L #	75
29) 1,1,1-Trichloroethane	5.327	97	4089	0.37	ug/L #	63
31) Carbon tetrachloride	5.333	117	497	0.05	ug/L	87
33) Benzene	5.780	78	1651	0.07	ug/L	100
34) Trichloroethene	6.549	95	766450	109.71	ug/L	98
35) Methylcyclohexane	6.697	83	7366	0.69	ug/L #	14
37) 1,2-Dichloropropane	6.700	63	3728	0.55	ug/L #	87
39) cis-1,3-Dichloropropene	7.578	75	962	0.10	ug/L #	64
44) trans-1,3-Dichloropropene	8.185	75	719	0.08	ug/L #	76
45) 1,1,2-Trichloroethane	8.407	97	322	0.06	ug/L #	61
47) Tetrachloroethene	8.562	164	857591	150.58	ug/L	100
48) 2-Hexanone	8.645	43	9463	2.16	ug/L #	71
49) Dibromochloromethane	8.562	129	785638	125.13	ug/L #	12
56) Isopropylbenzene	10.494	105	808	0.03	ug/L #	82

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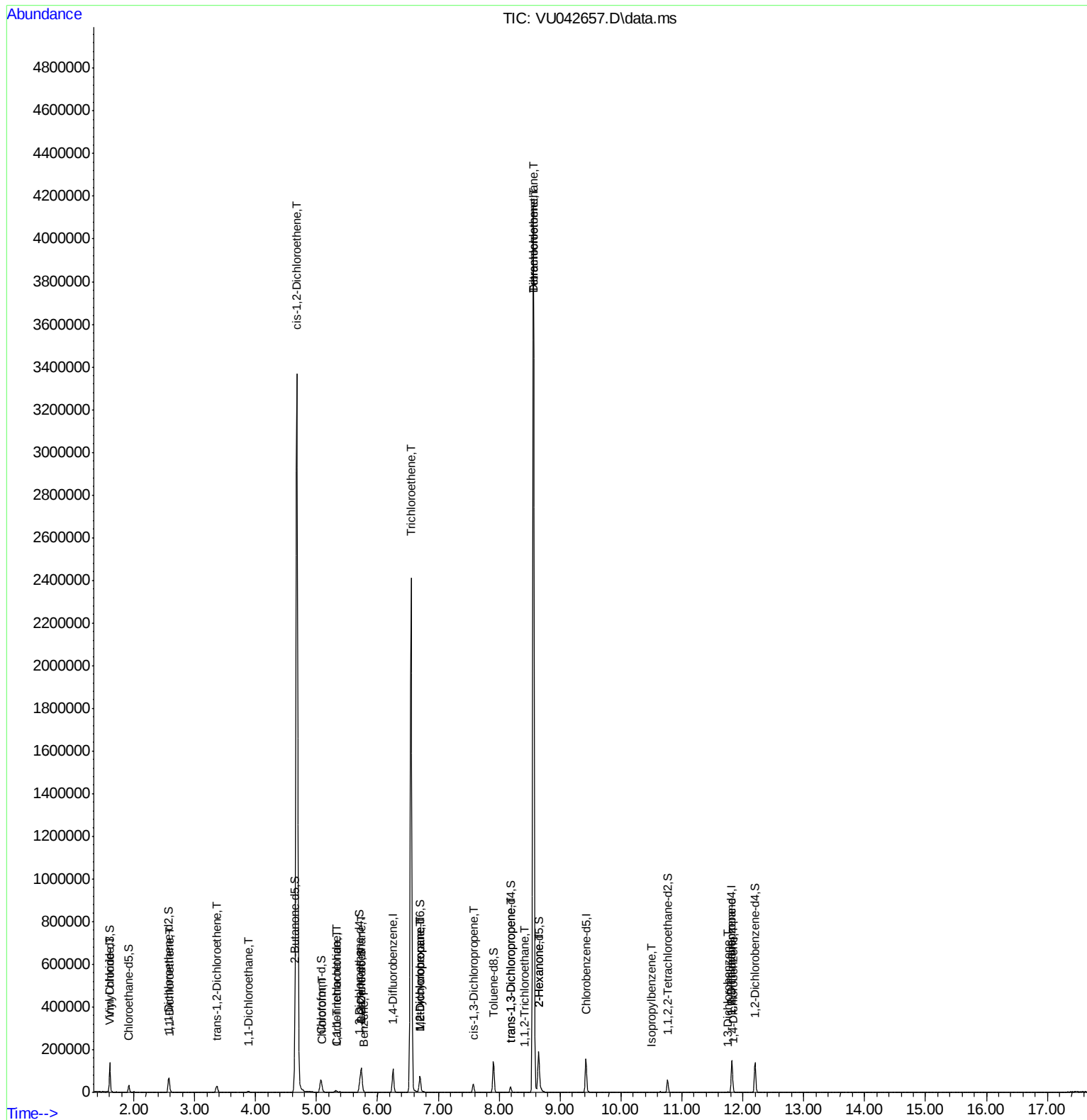
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
59)	1,2,3-Trichloropropane	11.819	75	5527	1.08 ug/L	98
62)	1,3-Dichlorobenzene	11.751	146	1052	0.08 ug/L	97
63)	1,4-Dichlorobenzene	11.844	146	2503	0.19 ug/L	97

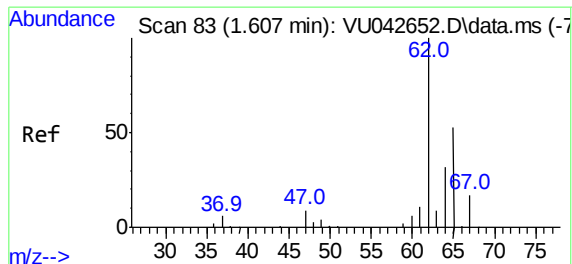
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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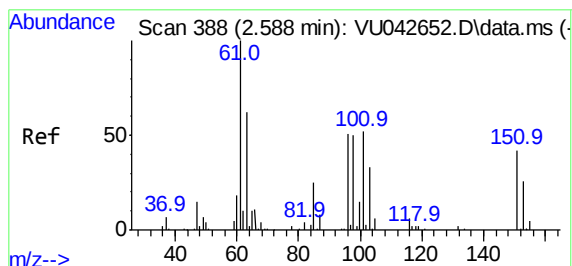
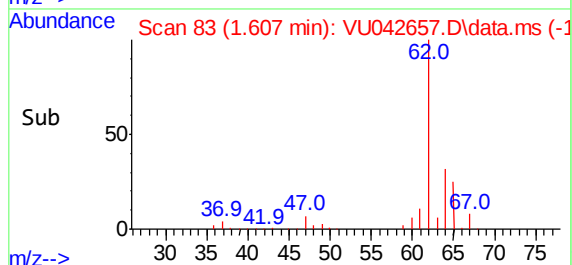
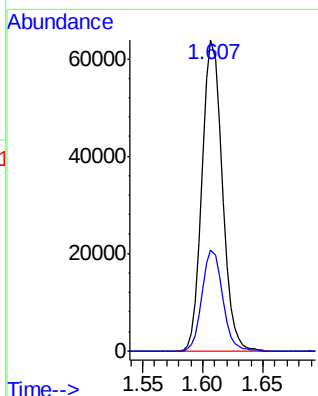
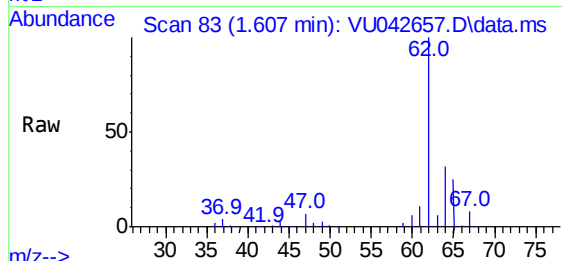




#5
 Vinyl chloride
 Concen: 9.87 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU042657.D
 Acq: 15 Mar 2021 12:10

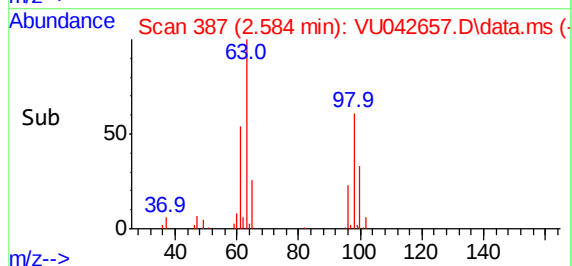
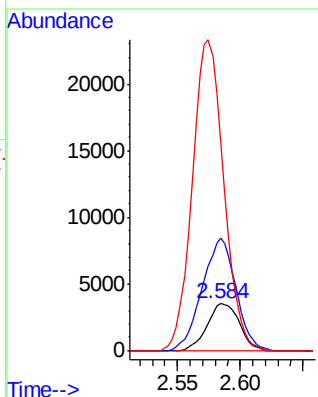
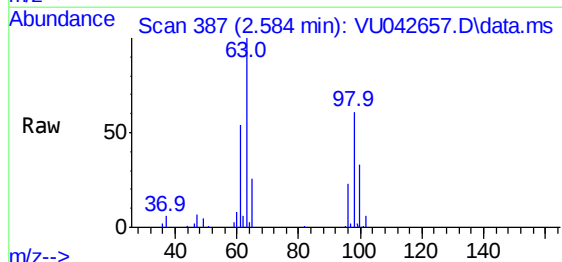
Instrument :
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 ClientSampleId :
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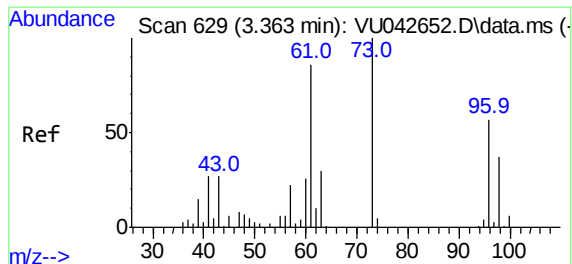
Tgt Ion: 62 Resp: 71401
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.7 42.1



#12
 1,1-Dichloroethene
 Concen: 1.07 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU042657.D
 Acq: 15 Mar 2021 12:10

Tgt Ion: 96 Resp: 6164
 Ion Ratio Lower Upper
 96 100
 61 238.2 126.2 234.4#
 63 443.2 77.8 144.4#

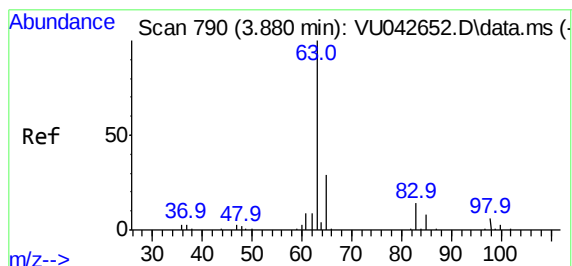
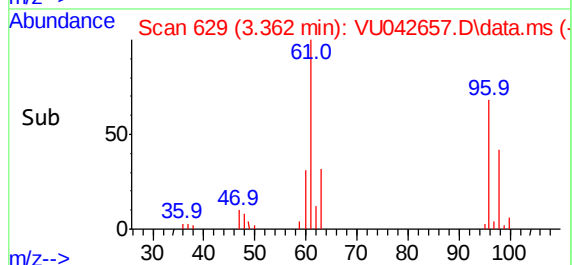
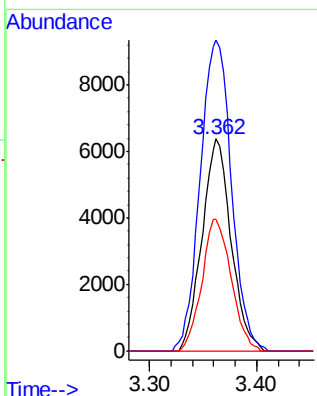
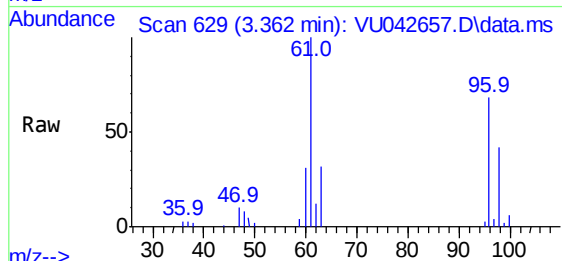




#18
trans-1,2-Dichloroethene
Concen: 1.97 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

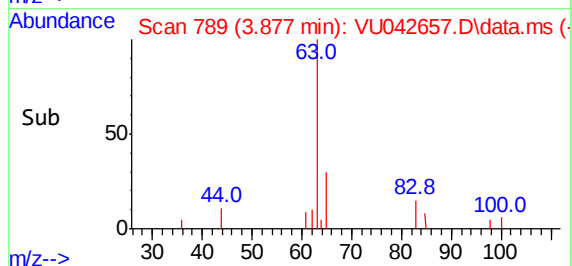
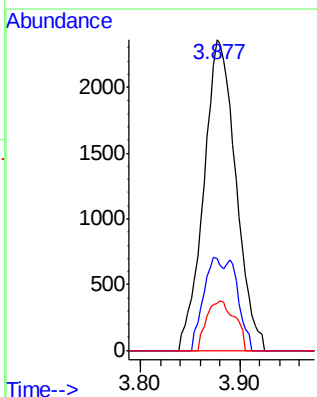
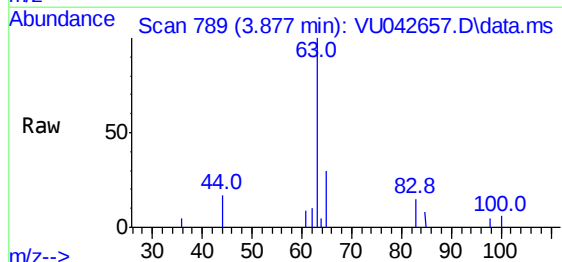
Instrument :
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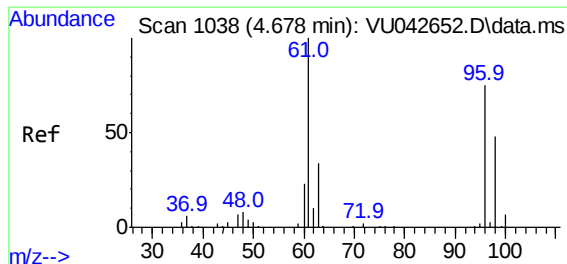
Tgt Ion: 96 Resp: 11950
Ion Ratio Lower Upper
96 100
61 146.6 105.7 196.3
98 61.9 42.8 79.6



#19
1,1-Dichloroethane
Concen: 0.45 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.003 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

Tgt Ion: 63 Resp: 5276
Ion Ratio Lower Upper
63 100
65 29.6 22.5 41.9
83 14.9 10.1 18.7



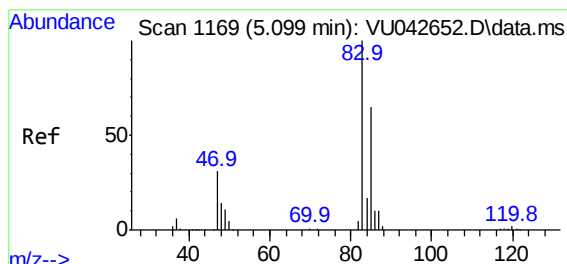
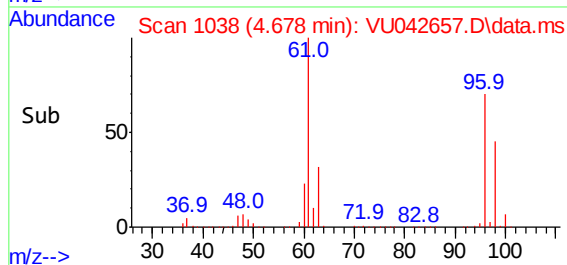
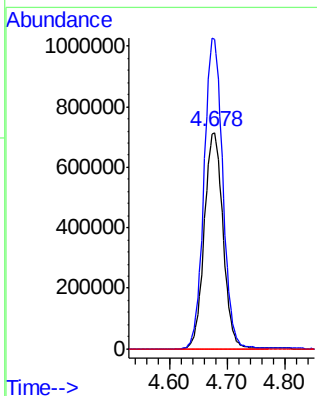
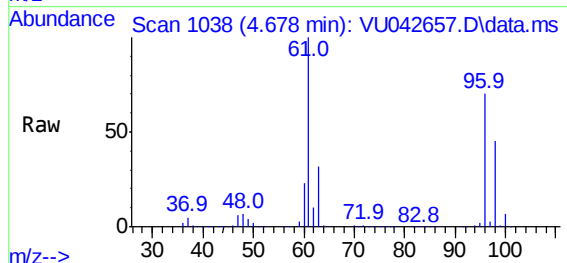


#22
cis-1,2-Dichloroethene
Concen: 246.39 ug/L
RT: 4.678 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

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Tgt Ion: 96 Resp: 1595829

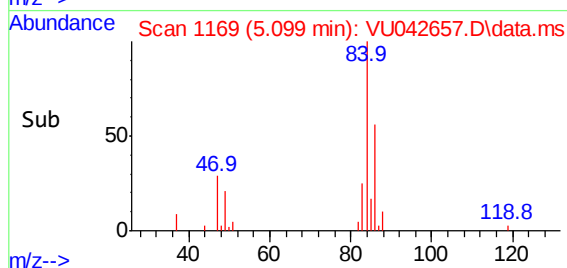
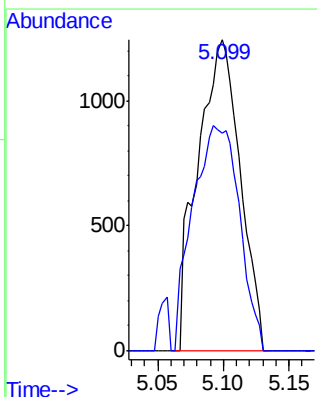
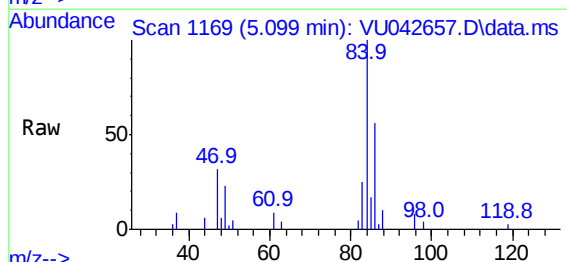
Ion	Ratio	Lower	Upper
96	100		
61	143.2	97.8	181.6
68	0.0	0.0	0.0

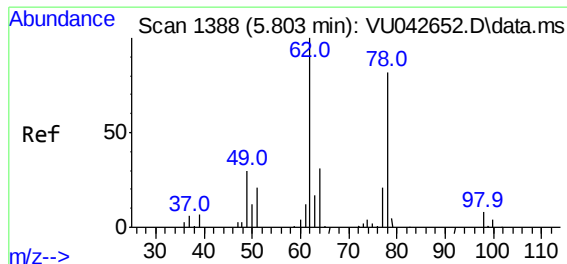


#25
Chloroform
Concen: 0.23 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

Tgt Ion: 83 Resp: 2809

Ion	Ratio	Lower	Upper
83	100		
85	70.1	45.7	84.9

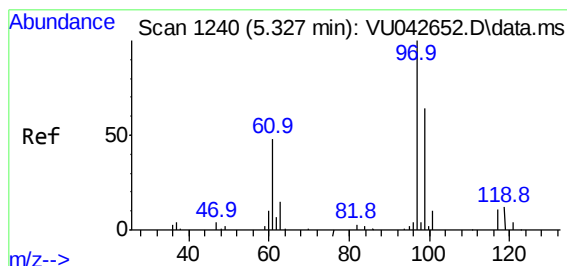
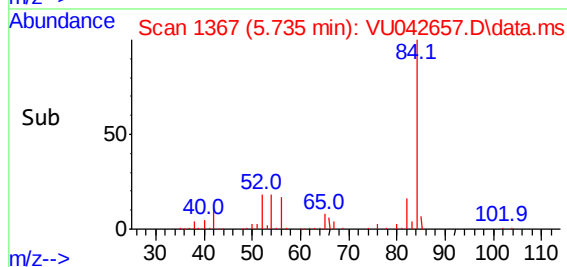
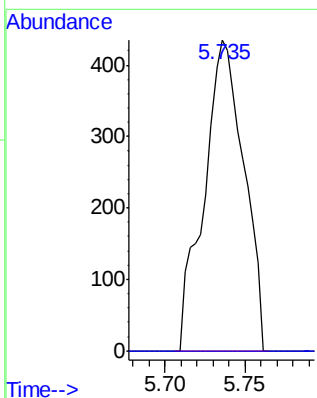
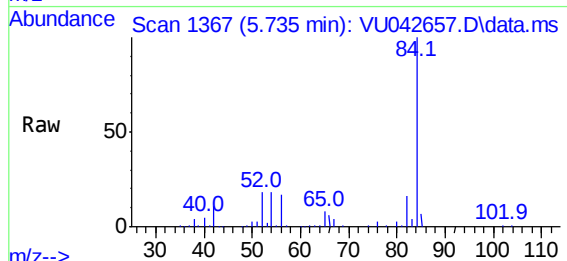




#27
1,2-Dichloroethane
Concen: 0.08 ug/L
RT: 5.735 min Scan# 1367
Delta R.T. -0.068 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

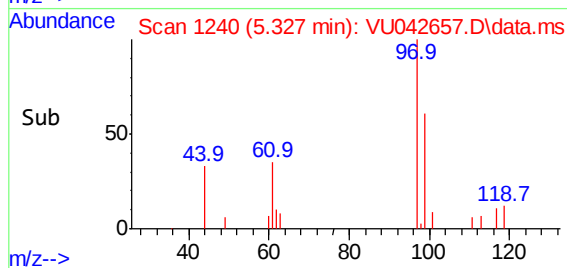
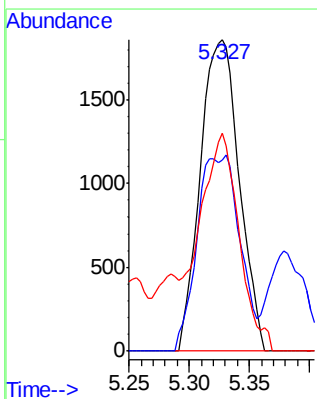
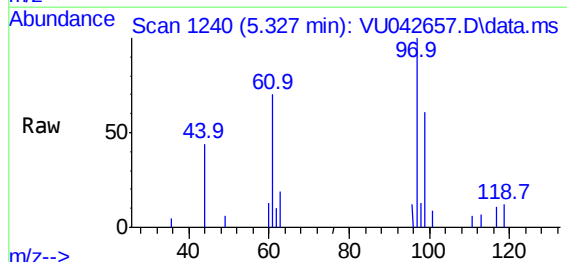
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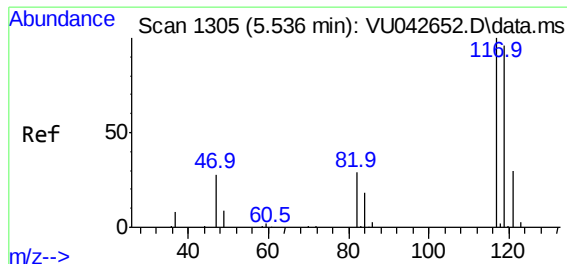
Tgt Ion: 62 Resp: 739
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#29
1,1,1-Trichloroethane
Concen: 0.37 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

Tgt Ion: 97 Resp: 4089
Ion Ratio Lower Upper
97 100
99 36.0 50.8 76.2#
61 70.2 35.8 53.6#

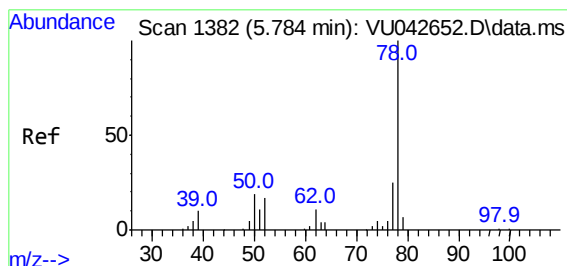
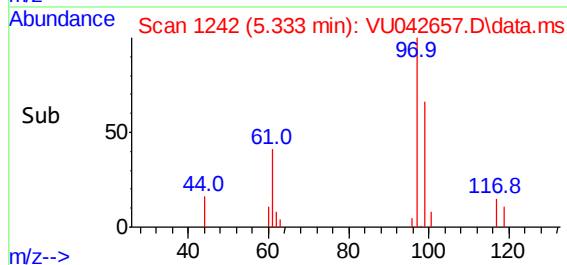
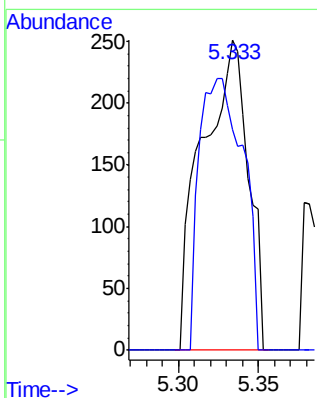
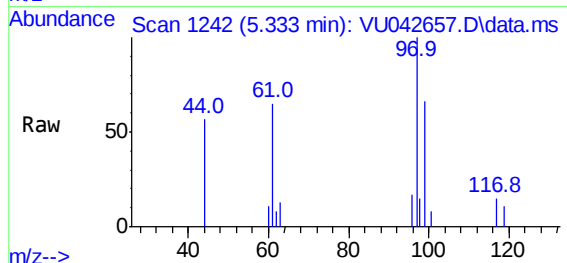




#31
Carbon tetrachloride
Concen: 0.05 ug/L
RT: 5.333 min Scan# 1242
Delta R.T. -0.203 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

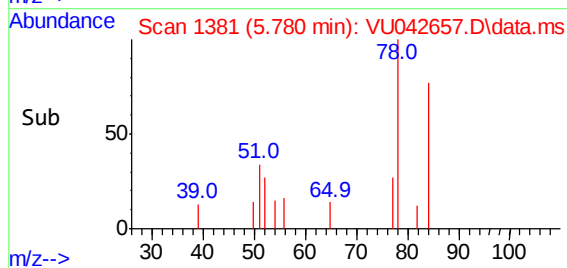
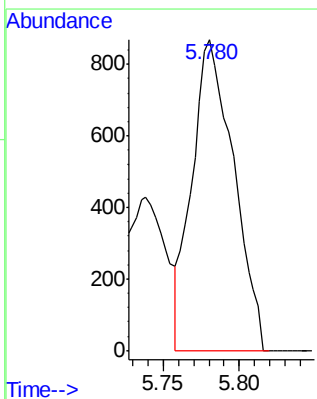
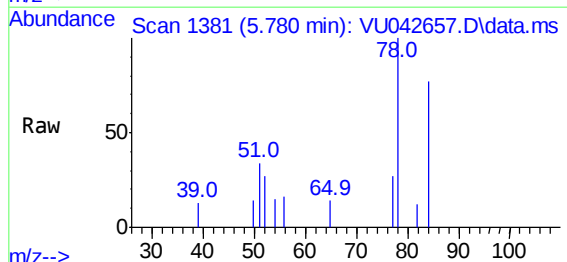
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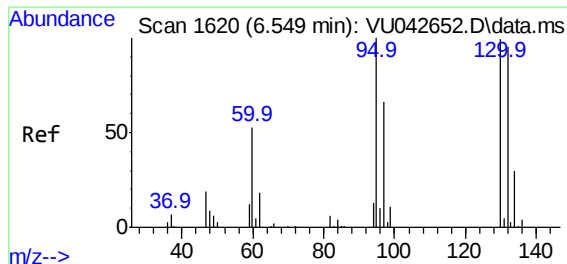
Tgt Ion:117 Resp: 497
Ion Ratio Lower Upper
117 100
119 82.7 76.2 114.4



#33
Benzene
Concen: 0.07 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. -0.003 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

Tgt Ion: 78 Resp: 1651

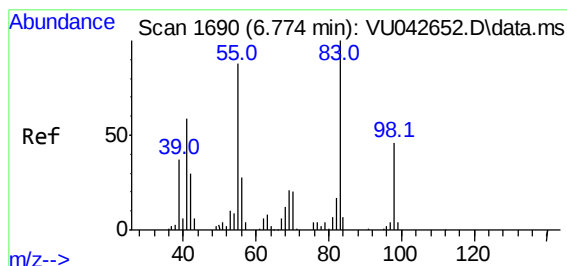
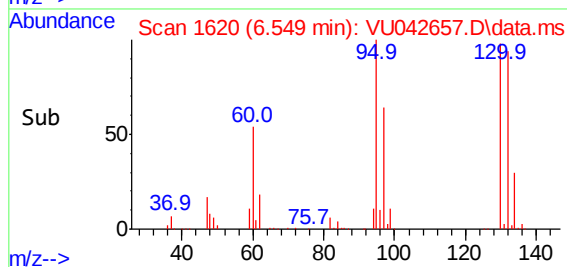
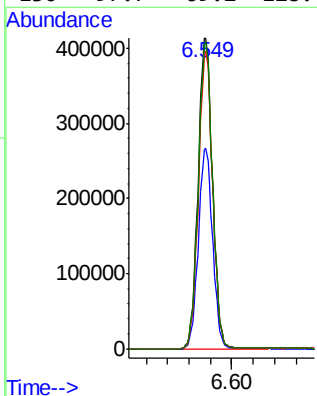
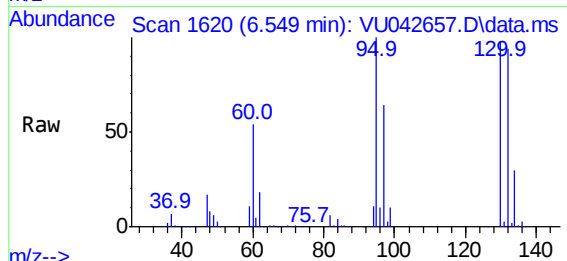




#34
Trichloroethene
Concen: 109.71 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

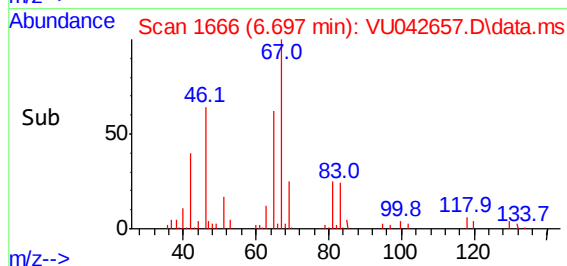
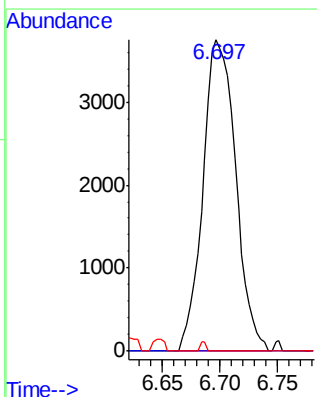
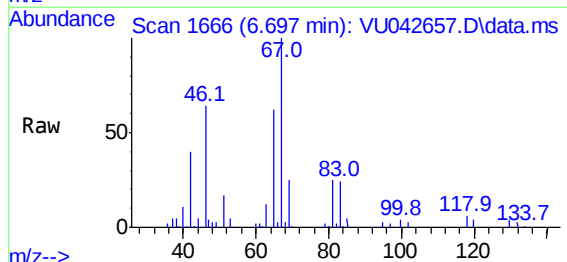
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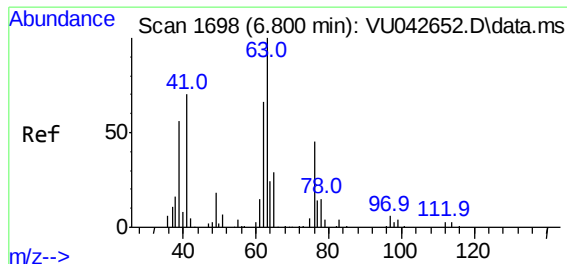
Tgt Ion: 95 Resp: 766450
Ion Ratio Lower Upper
95 100
97 64.0 44.4 82.4
132 94.2 68.0 126.4
130 97.7 69.2 128.4



#35
Methylcyclohexane
Concen: 0.69 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.077 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

Tgt Ion: 83 Resp: 7366
Ion Ratio Lower Upper
83 100
55 0.0 68.2 102.4#
98 0.0 39.7 59.5#

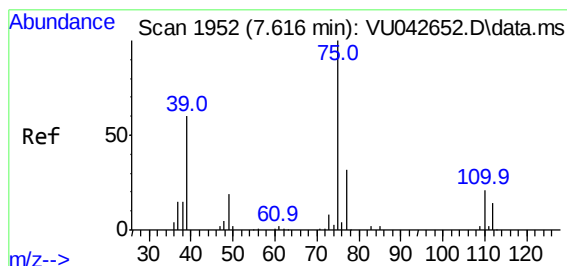
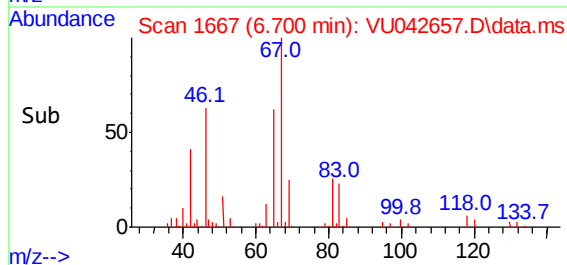
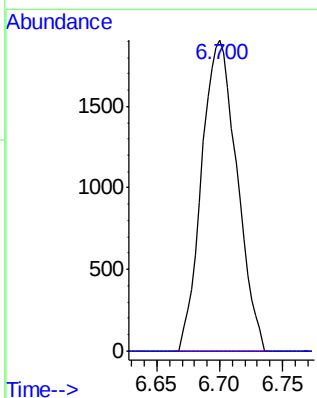
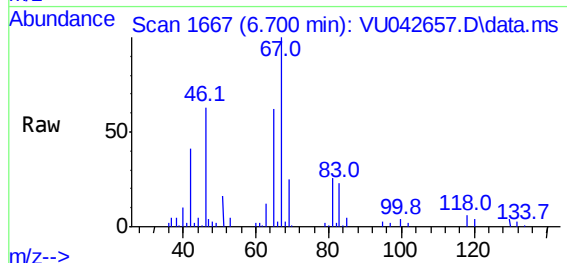




#37
1,2-Dichloropropane
Concen: 0.55 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

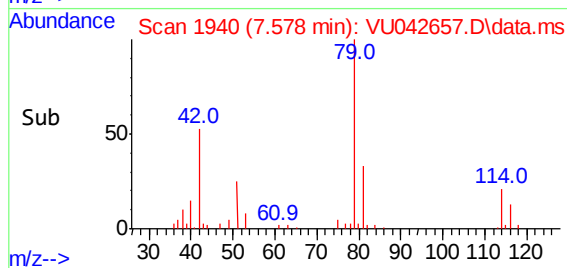
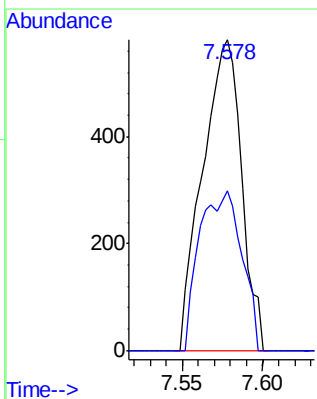
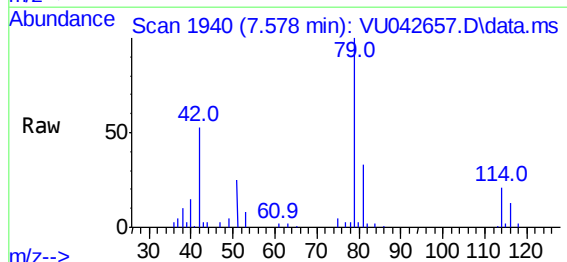
Instrument :
MSVOA_U
ClientSampleId :
EW108

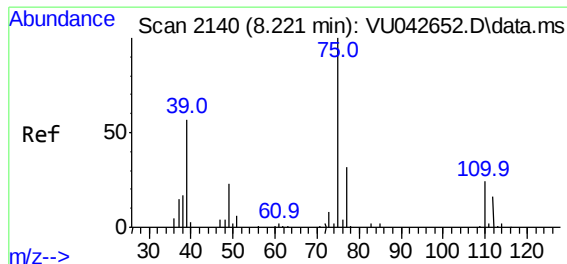
Tgt Ion: 63 Resp: 3728
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.578 min Scan# 1940
Delta R.T. -0.039 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

Tgt Ion: 75 Resp: 962
Ion Ratio Lower Upper
75 100
77 51.5 22.0 40.8#



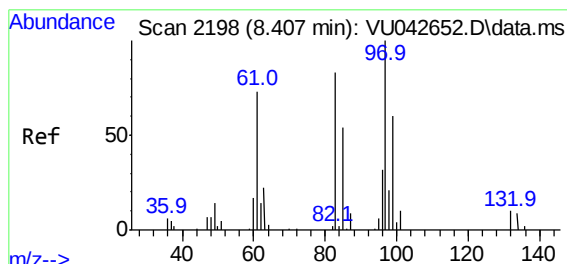
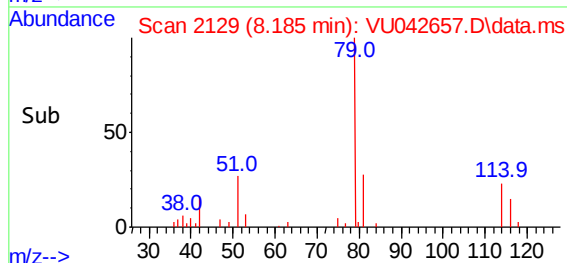
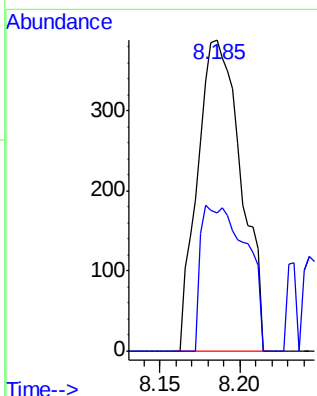
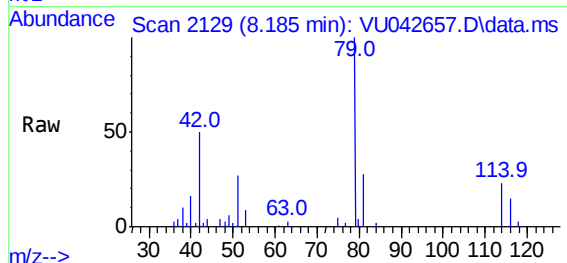


#44

trans-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.035 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

Instrument :
MSVOA_U
ClientSampleId :
EW108

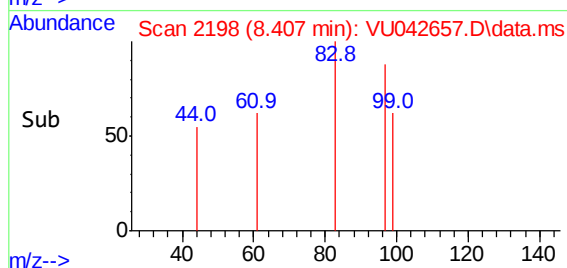
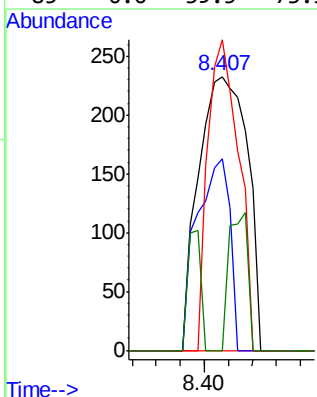
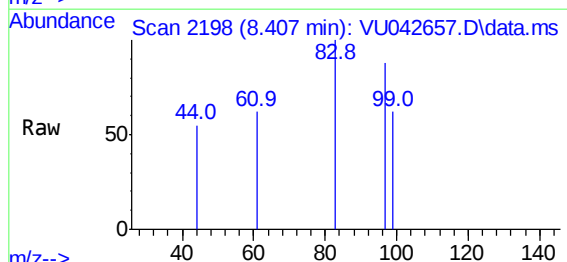
Tgt Ion: 75 Resp: 719
Ion Ratio Lower Upper
75 100
77 44.3 21.8 40.4#

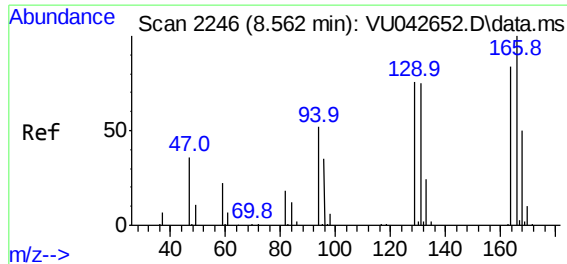


#45

1,1,2-Trichloroethane
Concen: 0.06 ug/L
RT: 8.407 min Scan# 2198
Delta R.T. -0.000 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

Tgt Ion: 97 Resp: 322
Ion Ratio Lower Upper
97 100
99 70.0 44.0 81.8
83 113.3 57.6 107.0#
85 0.0 39.5 73.3#

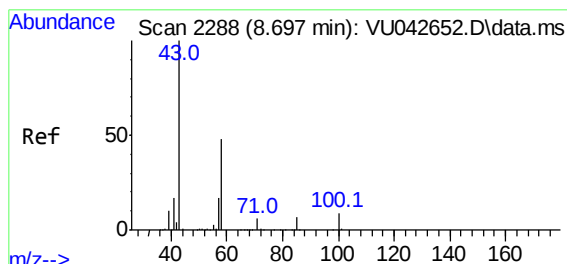
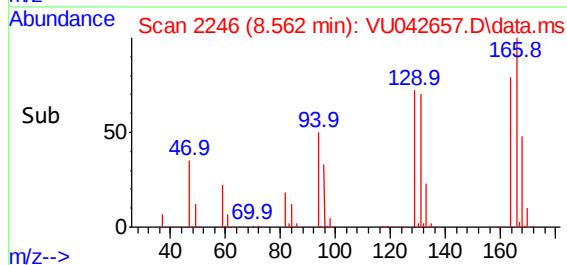
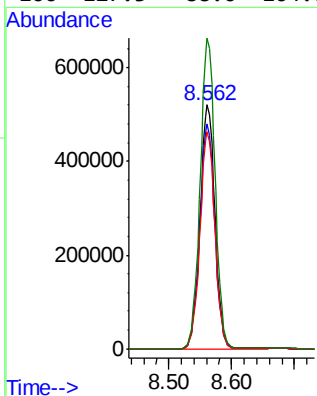
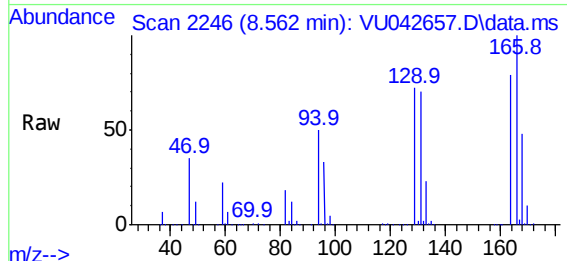




#47
Tetrachloroethene
Concen: 150.58 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.000 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

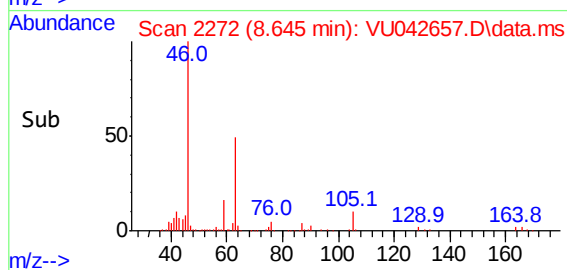
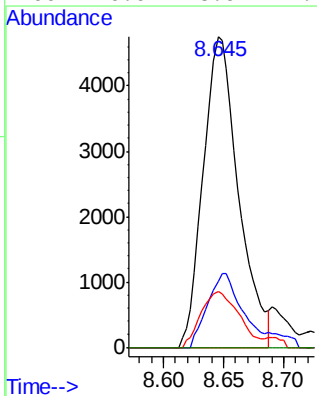
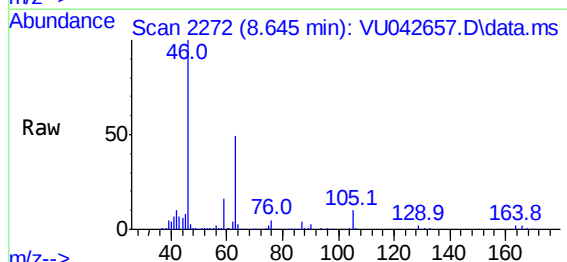
Instrument :
MSVOA_U
ClientSampleId :
EW108

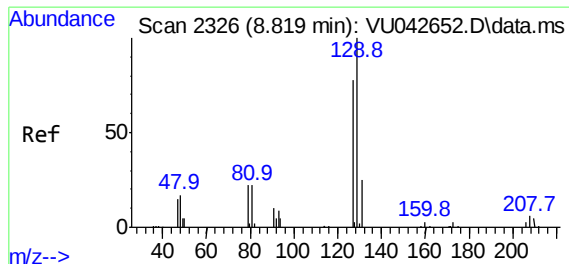
Tgt Ion:164 Resp: 857591
Ion Ratio Lower Upper
164 100
129 92.1 64.3 119.5
131 89.2 62.2 115.6
166 127.3 88.6 164.6



#48
2-Hexanone
Concen: 2.16 ug/L
RT: 8.645 min Scan# 2272
Delta R.T. -0.052 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

Tgt Ion: 43 Resp: 9463
Ion Ratio Lower Upper
43 100
58 23.4 40.6 61.0#
57 19.7 14.9 22.3
100 0.0 8.6 12.8#

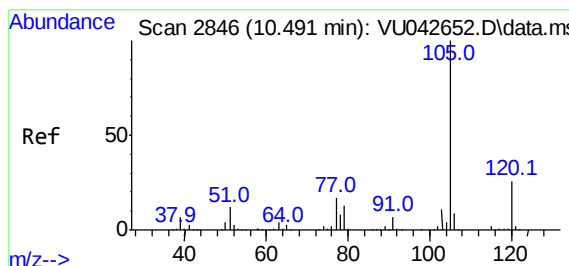
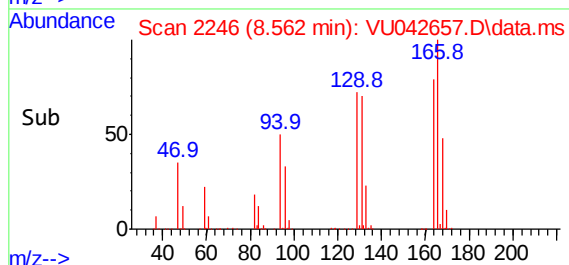
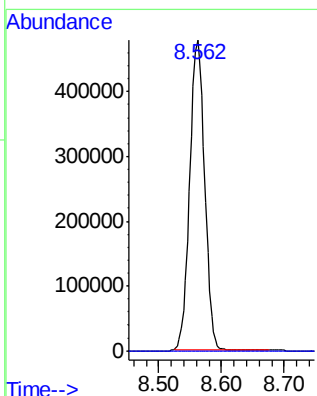
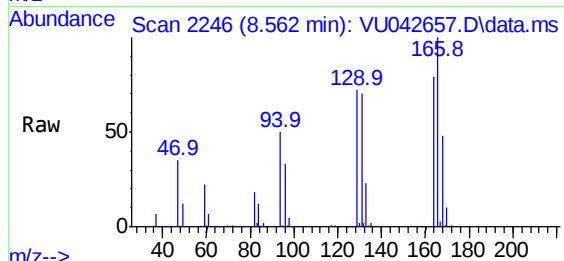




#49
Dibromochloromethane
Concen: 125.13 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

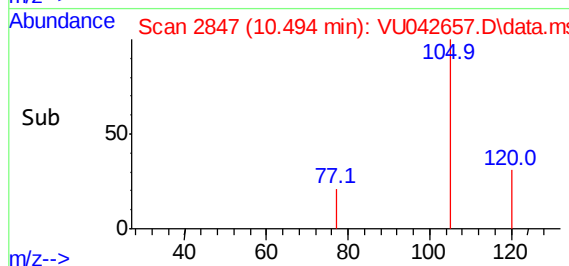
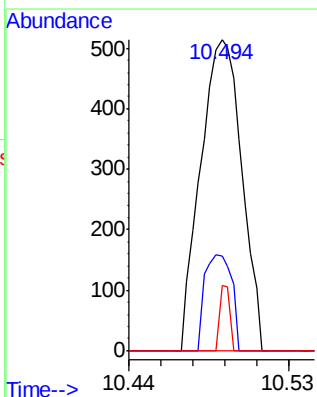
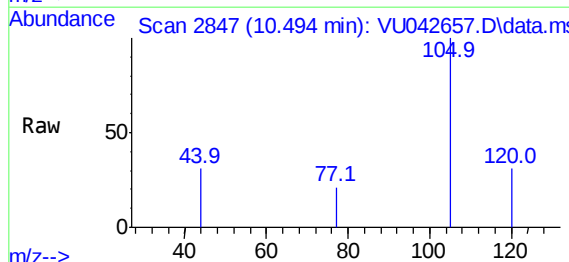
Instrument :
MSVOA_U
ClientSampleId :
EW108

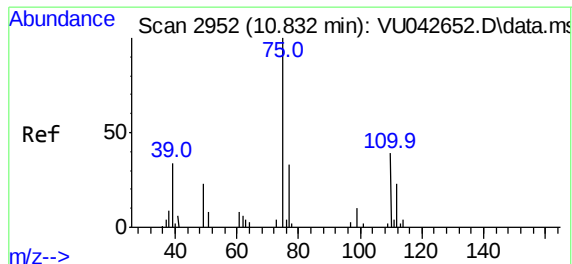
Tgt Ion:129 Resp: 785638
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#



#56
Isopropylbenzene
Concen: 0.03 ug/L
RT: 10.494 min Scan# 2847
Delta R.T. 0.003 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

Tgt Ion:105 Resp: 808
Ion Ratio Lower Upper
105 100
120 19.9 20.8 31.2#
77 5.1 13.4 20.0#

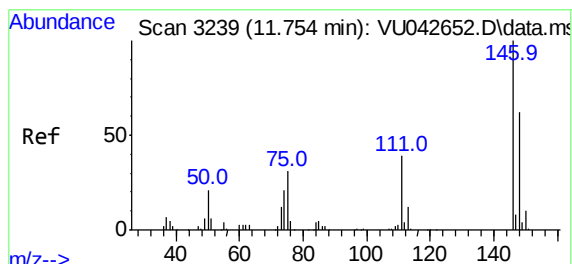
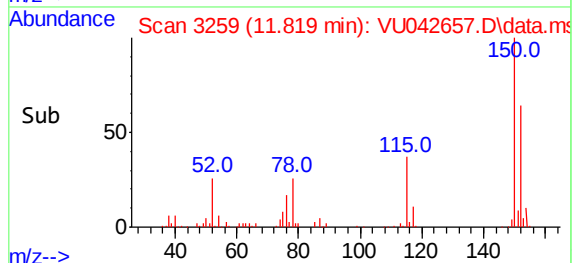
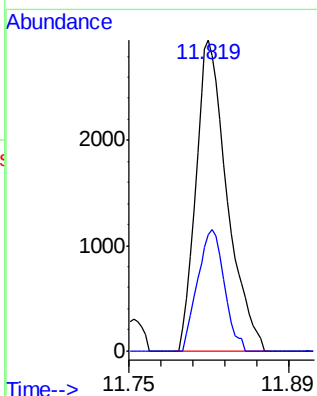
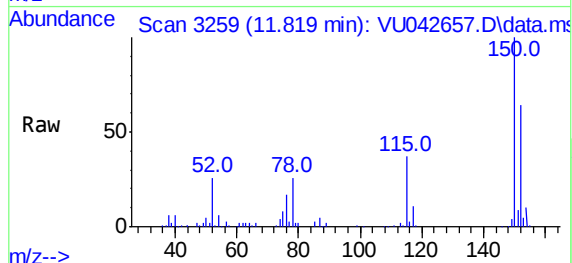




#59
1,2,3-Trichloropropane
Concen: 1.08 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

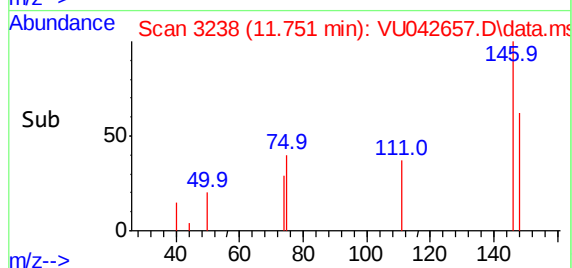
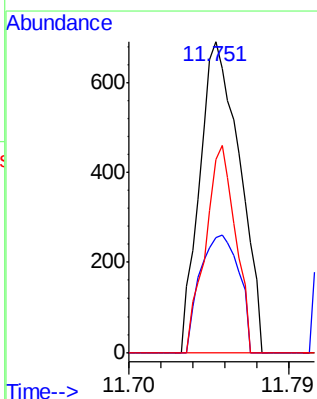
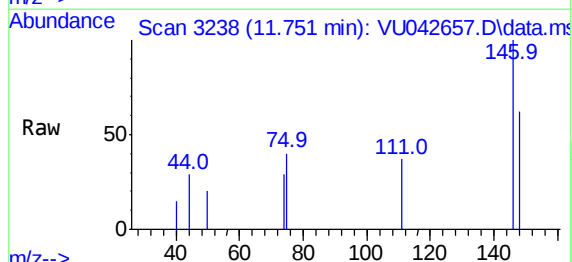
Instrument :
MSVOA_U
ClientSampled :
EW108

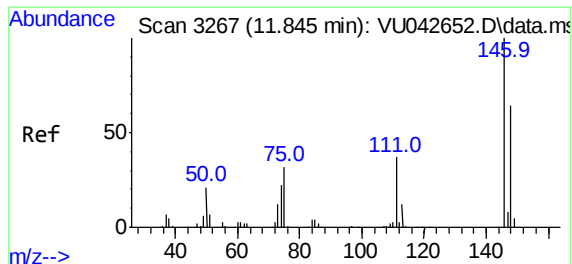
Tgt Ion: 75 Resp: 5527
Ion Ratio Lower Upper
75 100
77 33.4 26.0 39.0



#62
1,3-Dichlorobenzene
Concen: 0.08 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.003 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

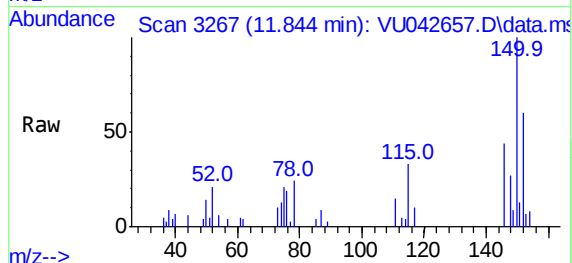
Tgt Ion: 146 Resp: 1052
Ion Ratio Lower Upper
146 100
111 36.9 27.2 50.4
148 61.9 44.6 82.8





#63
1,4-Dichlorobenzene
Concen: 0.19 ug/L
RT: 11.844 min Scan# 3267
Delta R.T. -0.000 min
Lab File: VU042657.D
Acq: 15 Mar 2021 12:10

Instrument :
MSVOA_U
ClientSampleId :
EW108



Tgt Ion:146 Resp: 2503

Ion	Ratio	Lower	Upper
146	100		
111	33.7	25.8	47.8
148	61.9	44.1	81.9

