

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011521\
 Data File : VU042085.D
 Acq On : 15 Jan 2021 20:26
 Operator : SY/MD
 Sample : M1164-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXQ1

Quant Time: Jan 16 01:15:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011321WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 16 01:05:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	135394	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	111061	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	50960	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	35813	3.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.00%
7) Chloroethane-d5	1.919	69	40500	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.575	63	57754	2.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.20%#
20) 2-Butanone-d5	4.655	46	190083	55.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.88%
24) Chloroform-d	5.079	84	100671	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.716	65	57438	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.742	84	191523	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	6.700	67	66816	5.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.40%
41) Toluene-d8	7.906	98	155015	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloroprop...	8.185	79	24612	5.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.00%
46) 2-Hexanone-d5	8.642	63	165136	68.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	136.12%#
57) 1,1,2,2-Tetrachloroeth...	10.754	84	50358	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.40%
64) 1,2-Dichlorobenzene-d4	12.188	152	51201	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	20625	1.66	ug/L	100
12) 1,1-Dichloroethene	2.584	96	784	0.07	ug/L #	1
13) Acetone	2.655	43	2227	1.04	ug/L	74
15) Methyl Acetate	2.957	43	627	0.12	ug/L #	51
17) Methyl tert-butyl Ether	3.378	73	1093615	39.34	ug/L	97
19) 1,1-Dichloroethane	3.886	63	18200	0.86	ug/L	98
25) Chloroform	5.105	83	6844	0.32	ug/L	96
33) Benzene	5.790	78	1037	0.02	ug/L	100
34) Trichloroethene	6.555	95	7417	0.72	ug/L	95
35) Methylcyclohexane	6.703	83	15026	0.92	ug/L #	17
37) 1,2-Dichloropropane	6.703	63	6913	0.65	ug/L #	90
39) cis-1,3-Dichloropropene	7.574	75	1531	0.10	ug/L #	65
42) Toluene	7.973	91	3173	0.07	ug/L	95
44) trans-1,3-Dichloropropene	8.189	75	969	0.07	ug/L	85
47) Tetrachloroethene	8.558	164	3854	0.58	ug/L	91
48) 2-Hexanone	8.642	43	17091	3.43	ug/L #	69
49) Dibromochloromethane	8.555	129	3986	0.48	ug/L #	11
53) m,p-Xylene	9.693	106	714	0.05	ug/L	97
59) 1,2,3-Trichloropropane	11.806	75	5823	0.83	ug/L	93

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 16 01:05:16 2021
Response via : Initial Calibration

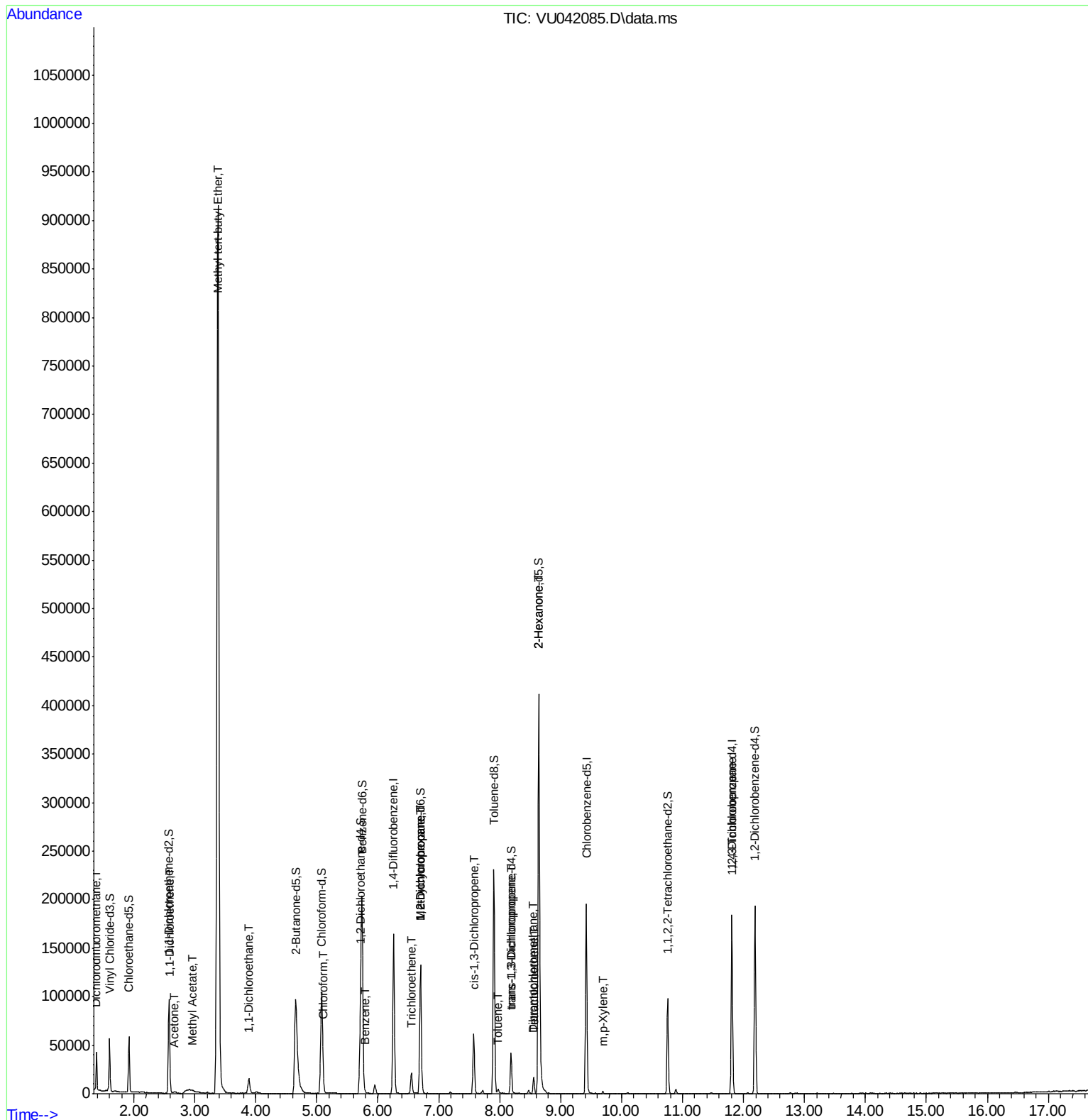
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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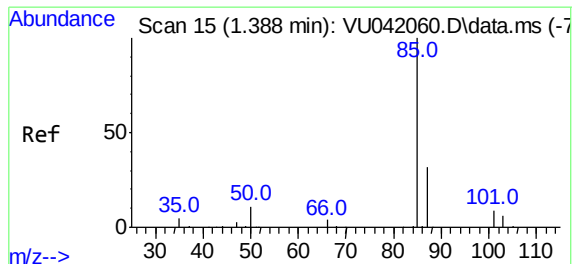
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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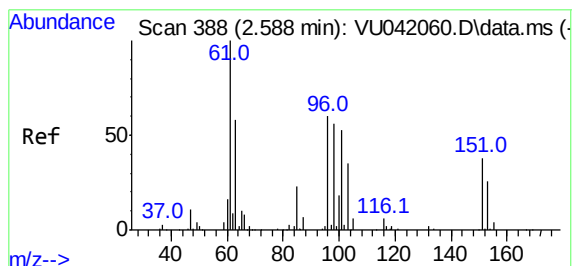
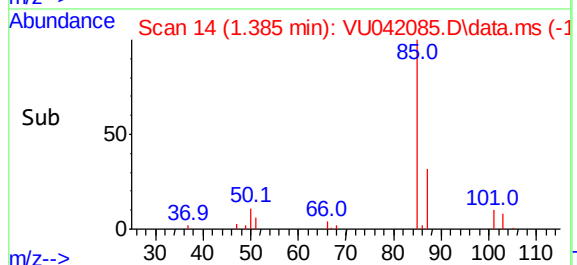
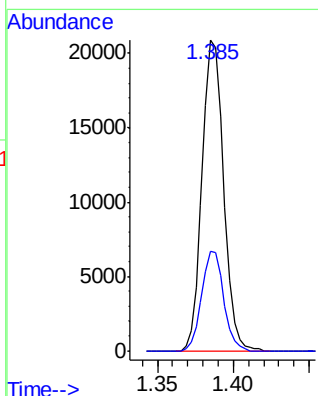
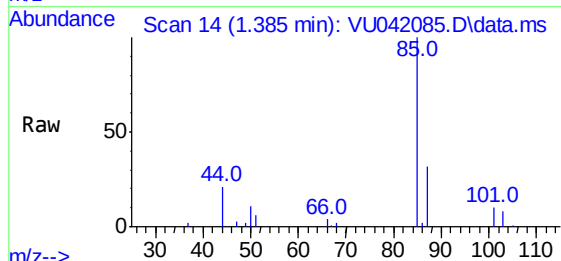




#2
Dichlorodifluoromethane
Concen: 1.66 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU042085.D
Acq: 15 Jan 2021 20:26

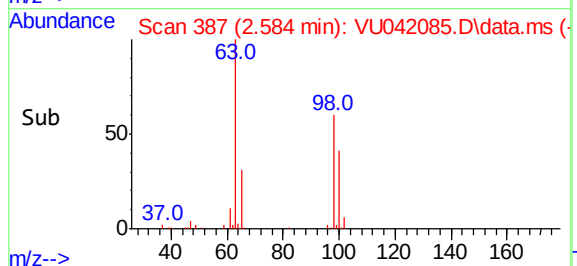
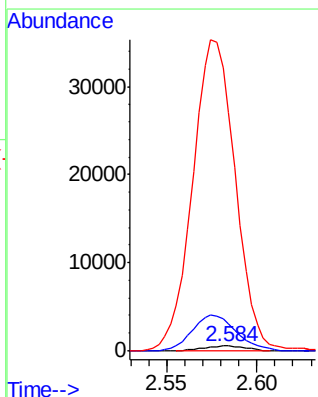
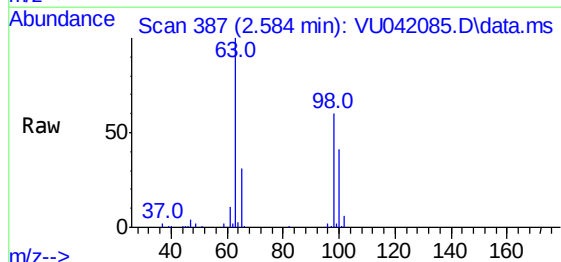
Instrument :
MSVOA_U
ClientSampleId :
BFXQ1

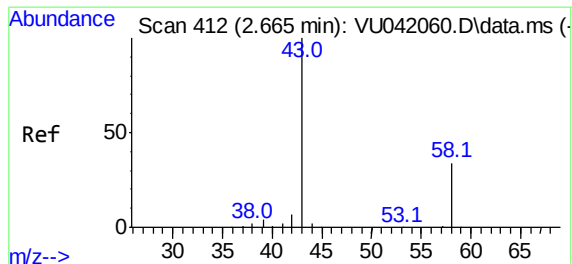
Tgt Ion: 85 Resp: 20625
Ion Ratio Lower Upper
85 100
87 32.4 25.7 38.5



#12
1,1-Dichloroethene
Concen: 0.07 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU042085.D
Acq: 15 Jan 2021 20:26

Tgt Ion: 96 Resp: 784
Ion Ratio Lower Upper
96 100
61 610.4 122.2 226.9#
63 5500.8 82.8 153.8#

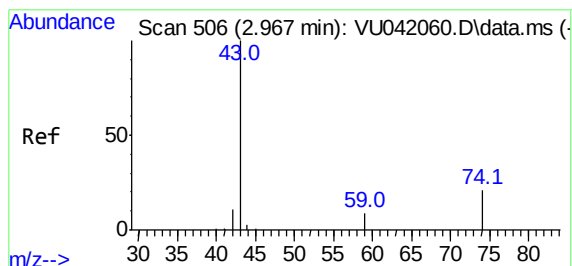
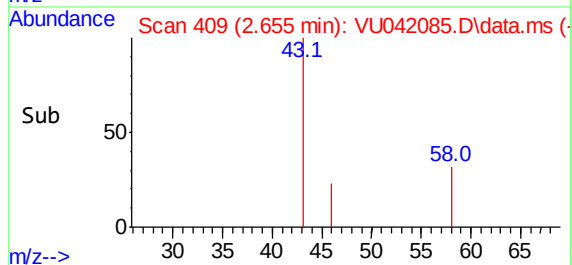
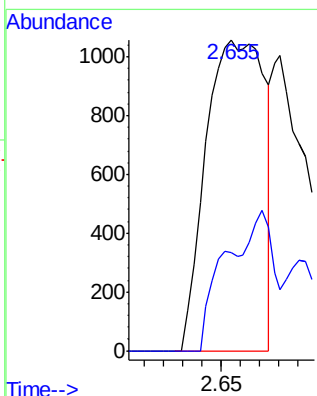
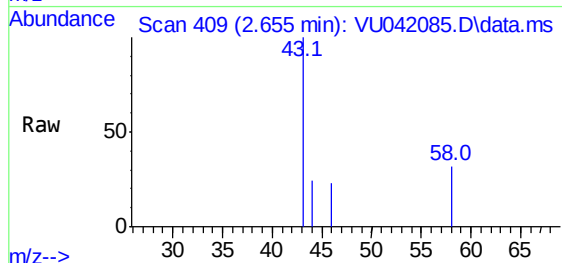




#13
Acetone
Concen: 1.04 ug/L
RT: 2.655 min Scan# 409
Delta R.T. -0.010 min
Lab File: VU042085.D
Acq: 15 Jan 2021 20:26

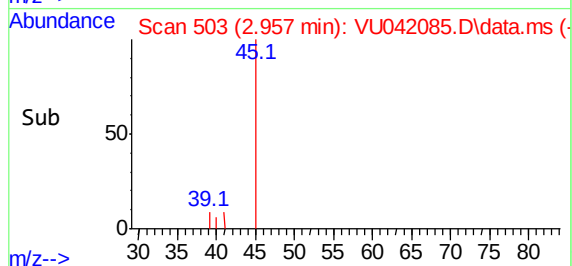
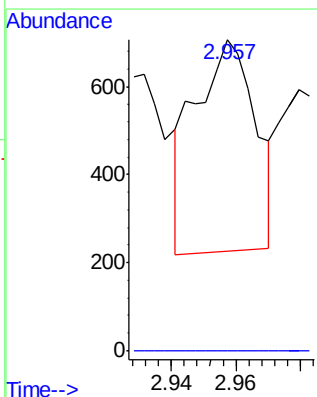
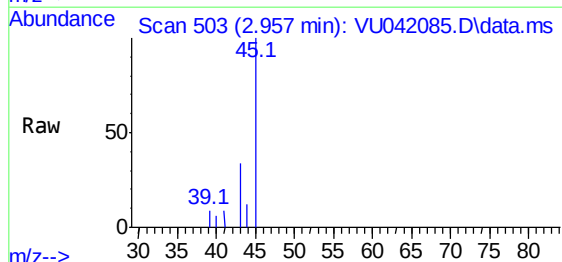
Instrument :
MSVOA_U
ClientSampleId :
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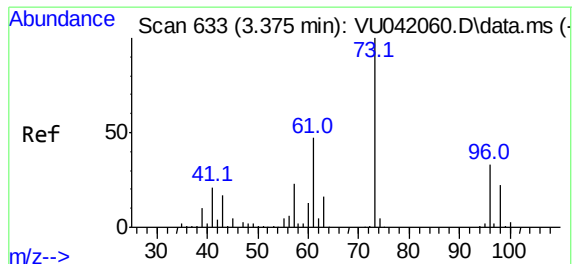
Tgt Ion: 43 Resp: 2227
Ion Ratio Lower Upper
43 100
58 14.7 0.0 57.4



#15
Methyl Acetate
Concen: 0.12 ug/L
RT: 2.957 min Scan# 503
Delta R.T. -0.010 min
Lab File: VU042085.D
Acq: 15 Jan 2021 20:26

Tgt Ion: 43 Resp: 627
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#

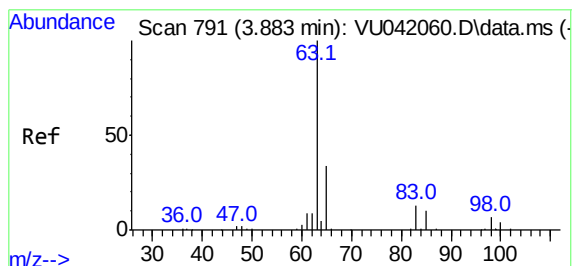
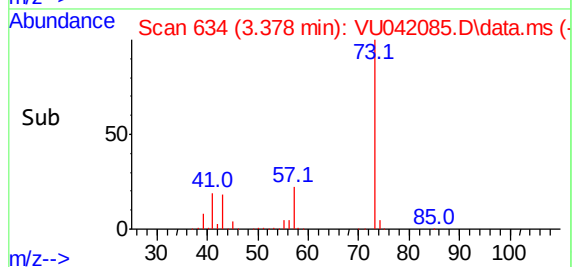
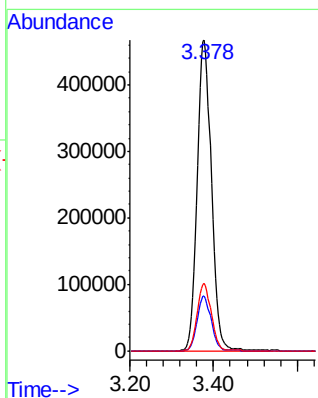
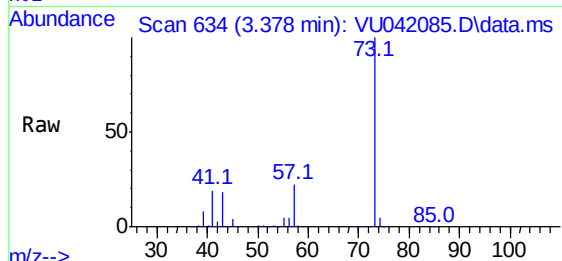




#17
Methyl tert-butyl Ether
Concen: 39.34 ug/L
RT: 3.378 min Scan# 634
Delta R.T. 0.003 min
Lab File: VU042085.D
Acq: 15 Jan 2021 20:26

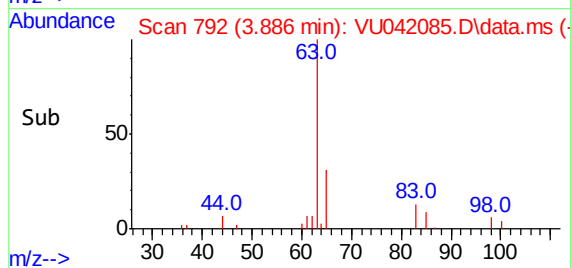
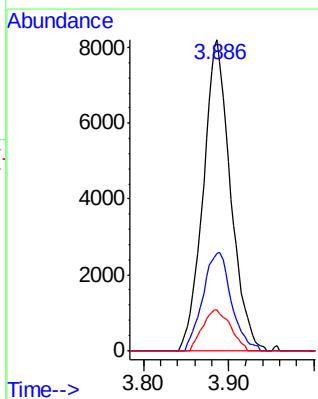
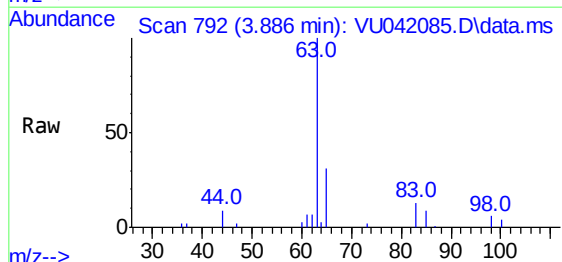
Instrument :
MSVOA_U
ClientSampleId :
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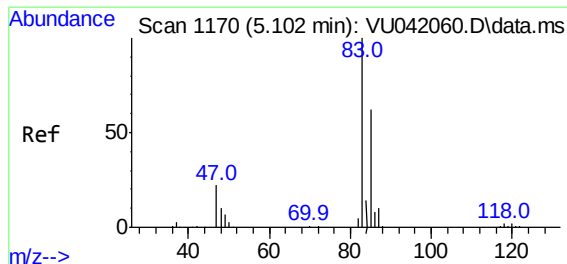
Tgt Ion: 73 Resp: 1093615
Ion Ratio Lower Upper
73 100
43 17.4 15.1 22.7
57 21.6 18.0 27.0



#19
1,1-Dichloroethane
Concen: 0.86 ug/L
RT: 3.886 min Scan# 792
Delta R.T. 0.003 min
Lab File: VU042085.D
Acq: 15 Jan 2021 20:26

Tgt Ion: 63 Resp: 18200
Ion Ratio Lower Upper
63 100
65 31.2 22.7 42.1
83 13.2 9.4 17.6

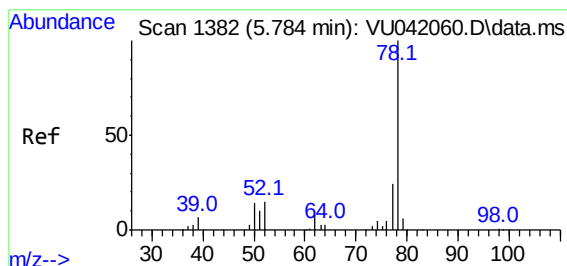
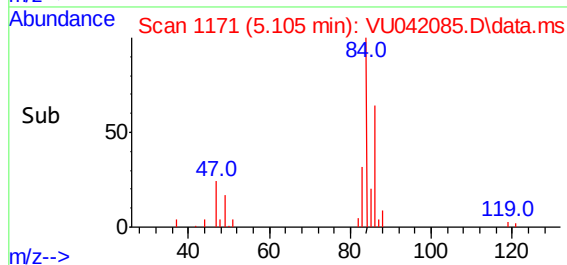
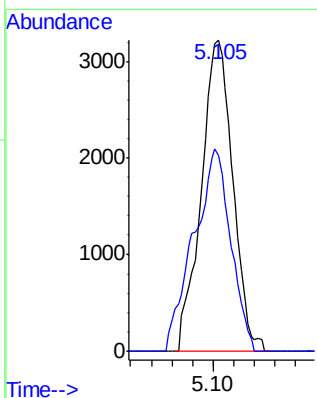
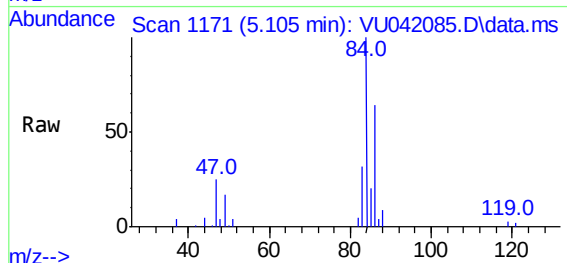




#25
Chloroform
Concen: 0.32 ug/L
RT: 5.105 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VU042085.D
Acq: 15 Jan 2021 20:26

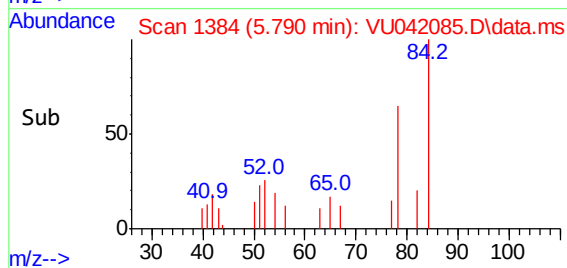
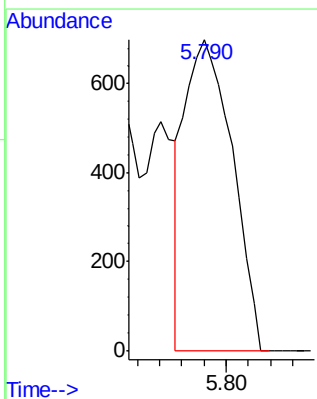
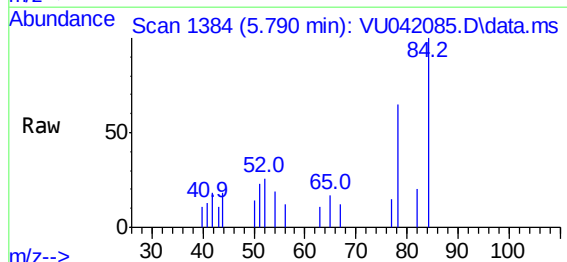
Instrument :
MSVOA_U
ClientSampled :
BFXQ1

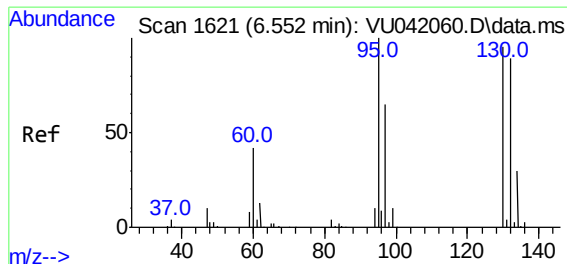
Tgt Ion: 83 Resp: 6844
Ion Ratio Lower Upper
83 100
85 62.9 46.1 85.7



#33
Benzene
Concen: 0.02 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VU042085.D
Acq: 15 Jan 2021 20:26

Tgt Ion: 78 Resp: 1037



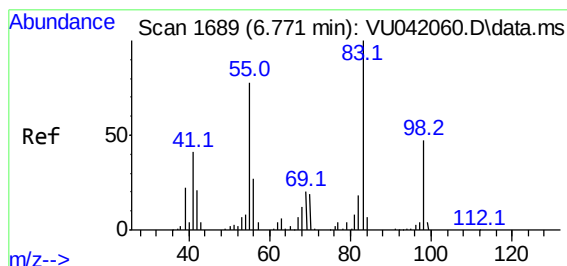
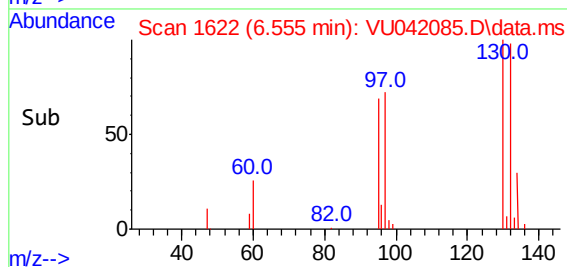
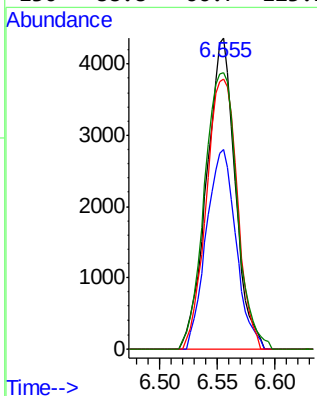
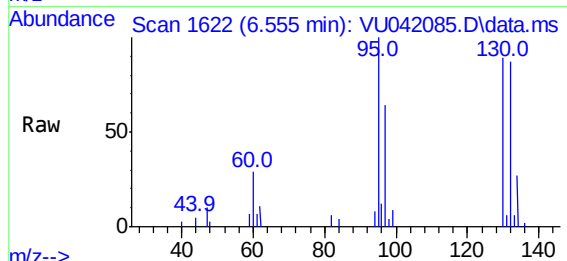


#34
Trichloroethene
Concen: 0.72 ug/L
RT: 6.555 min Scan# 1622
Delta R.T. 0.003 min
Lab File: VU042085.D
Acq: 15 Jan 2021 20:26

Instrument :
MSVOA_U
ClientSampleId :
BFXQ1

Tgt Ion: 95 Resp: 7417

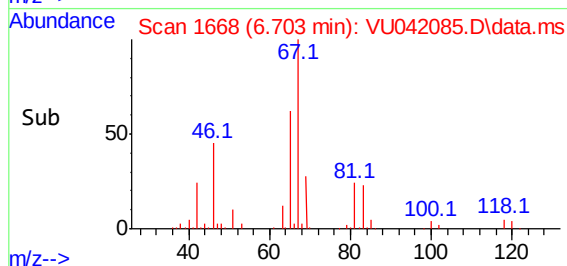
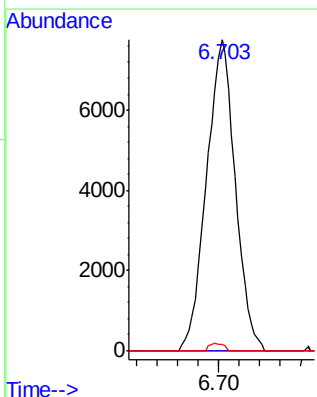
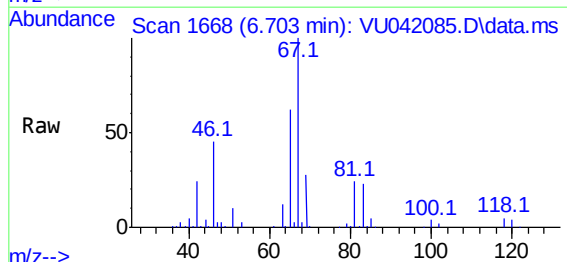
Ion	Ratio	Lower	Upper
95	100		
97	64.2	43.6	81.0
132	86.9	64.3	119.3
130	88.8	66.7	123.9

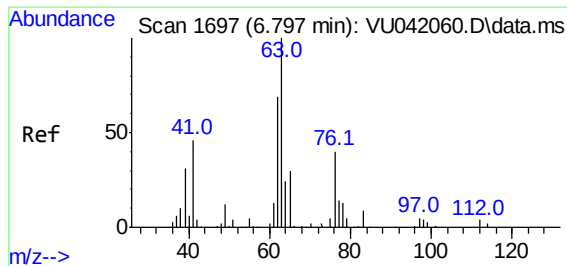


#35
Methylcyclohexane
Concen: 0.92 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.068 min
Lab File: VU042085.D
Acq: 15 Jan 2021 20:26

Tgt Ion: 83 Resp: 15026

Ion	Ratio	Lower	Upper
83	100		
55	0.0	66.8	100.2#
98	1.2	35.7	53.5#

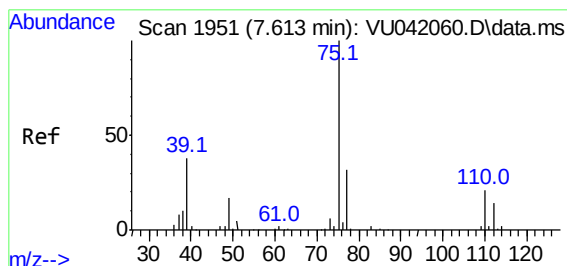
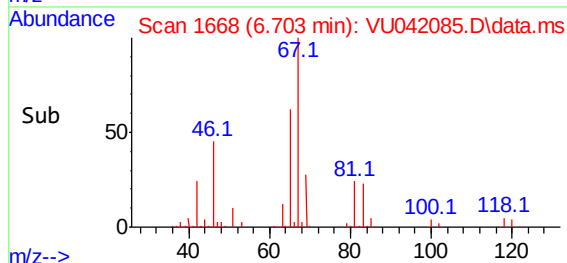
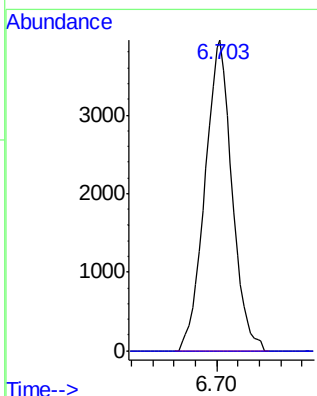
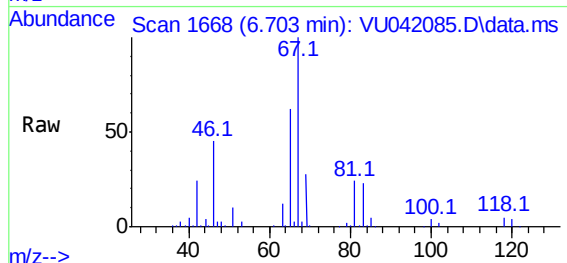




#37
1,2-Dichloropropane
Concen: 0.65 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.093 min
Lab File: VU042085.D
Acq: 15 Jan 2021 20:26

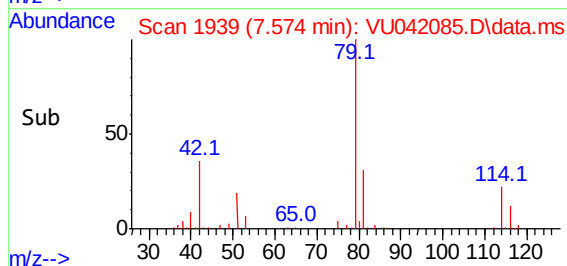
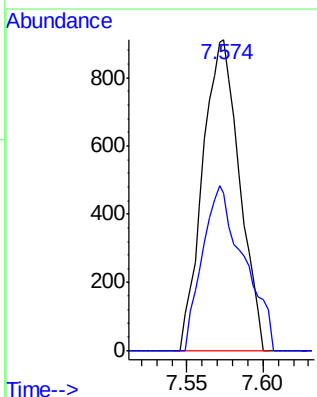
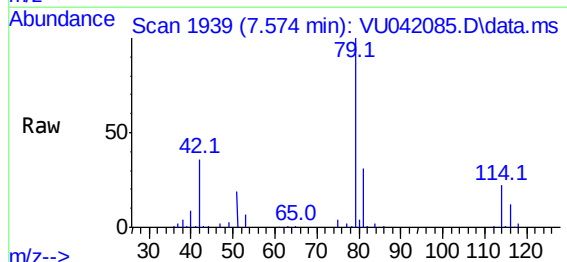
Instrument :
MSVOA_U
ClientSampleId :
BFXQ1

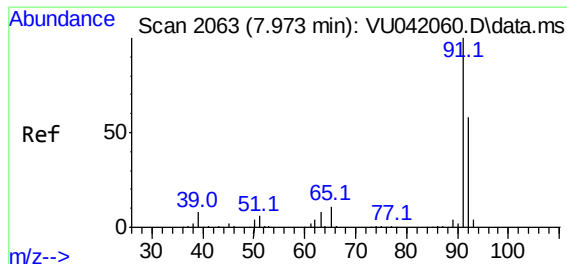
Tgt Ion: 63 Resp: 6913
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#



#39
cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.039 min
Lab File: VU042085.D
Acq: 15 Jan 2021 20:26

Tgt Ion: 75 Resp: 1531
Ion Ratio Lower Upper
75 100
77 50.5 21.9 40.7#

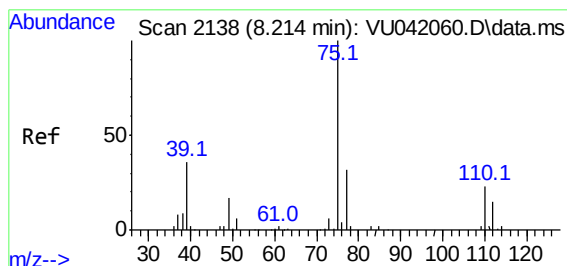
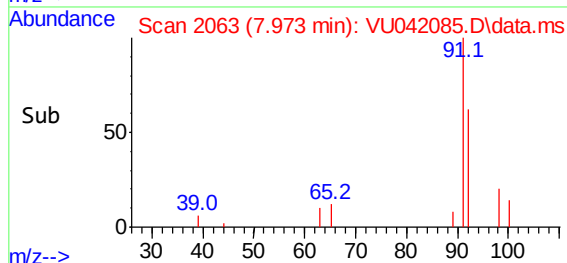
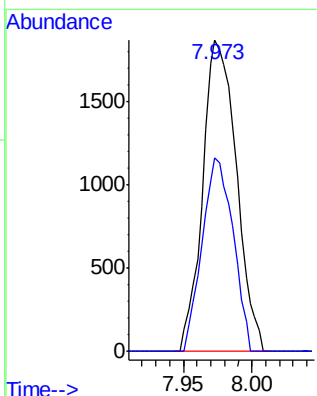
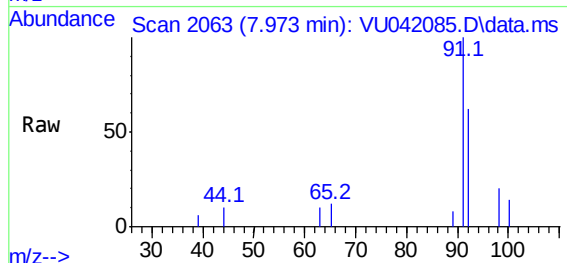




#42
Toluene
Concen: 0.07 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU042085.D
Acq: 15 Jan 2021 20:26

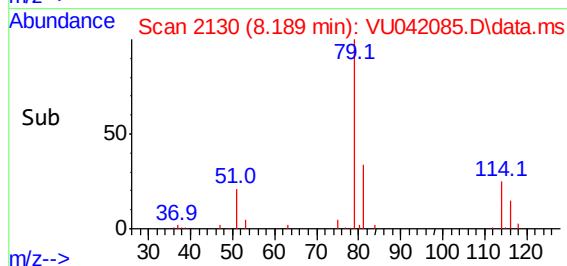
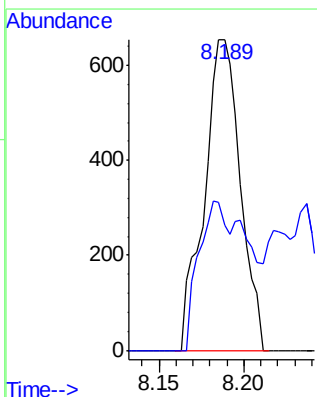
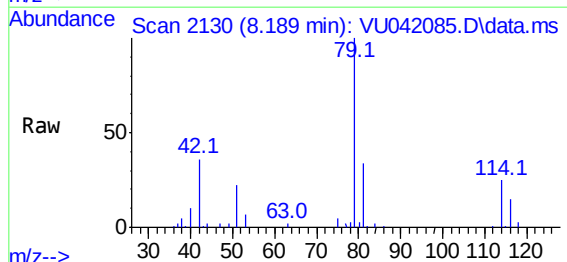
Instrument :
MSVOA_U
ClientSampleId :
BFXQ1

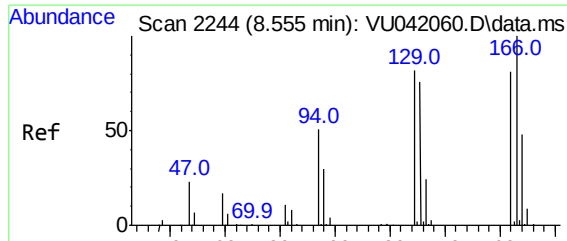
Tgt Ion: 91 Resp: 3173
Ion Ratio Lower Upper
91 100
92 62.0 40.7 75.7



#44
trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.189 min Scan# 2130
Delta R.T. -0.026 min
Lab File: VU042085.D
Acq: 15 Jan 2021 20:26

Tgt Ion: 75 Resp: 969
Ion Ratio Lower Upper
75 100
77 40.1 22.0 41.0



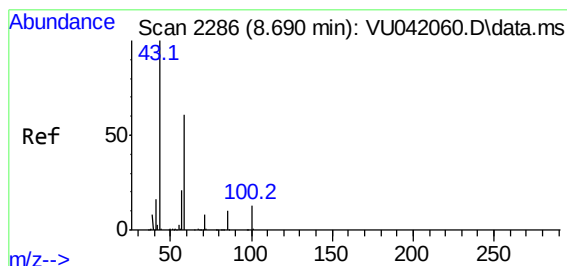
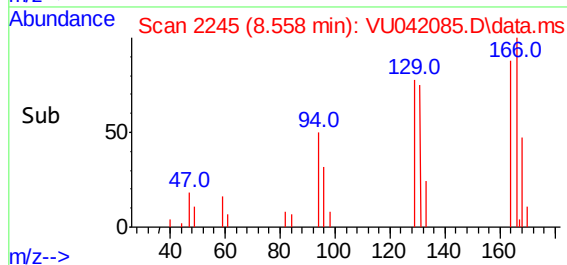
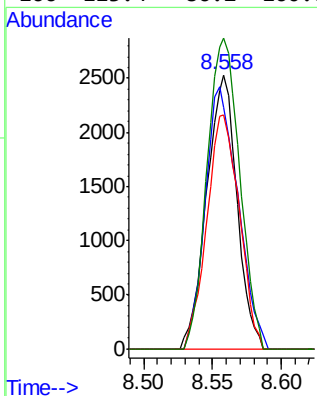
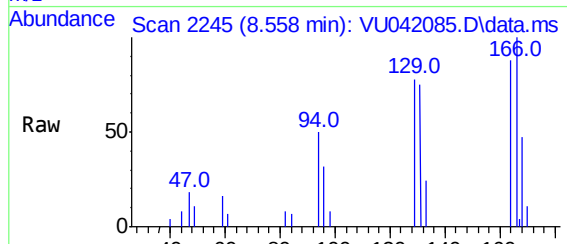


#47
Tetrachloroethene
Concen: 0.58 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU042085.D
Acq: 15 Jan 2021 20:26

Instrument :
MSVOA_U
ClientSampleId :
BFXQ1

Tgt Ion:164 Resp: 3854

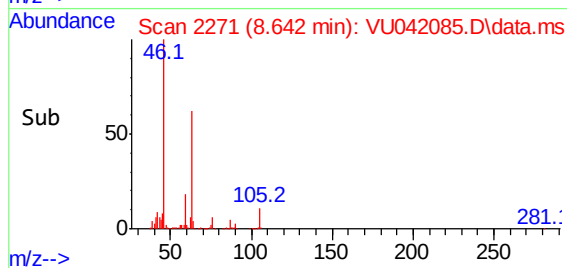
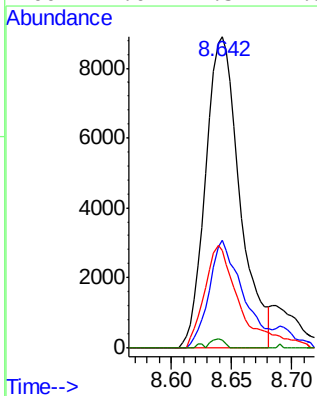
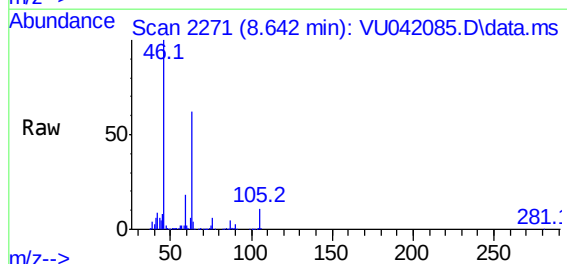
Ion	Ratio	Lower	Upper
164	100		
129	88.2	68.7	127.5
131	85.4	65.2	121.0
166	113.4	86.2	160.0

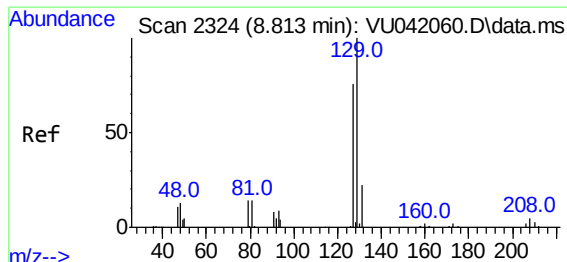


#48
2-Hexanone
Concen: 3.43 ug/L
RT: 8.642 min Scan# 2271
Delta R.T. -0.048 min
Lab File: VU042085.D
Acq: 15 Jan 2021 20:26

Tgt Ion: 43 Resp: 17091

Ion	Ratio	Lower	Upper
43	100		
58	34.3	47.8	71.8#
57	34.1	17.4	26.0#
100	1.0	9.5	14.3#





#49

Dibromochloromethane

Concen: 0.48 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU042085.D

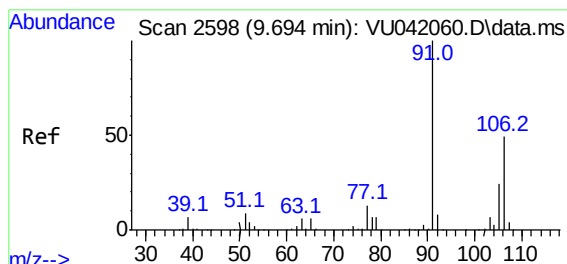
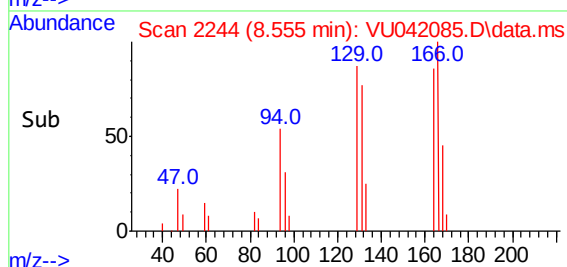
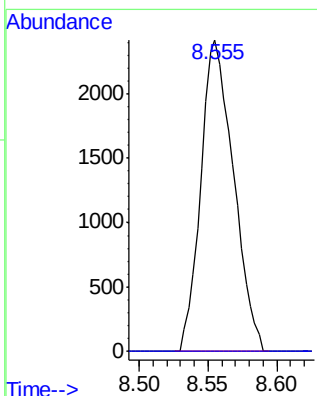
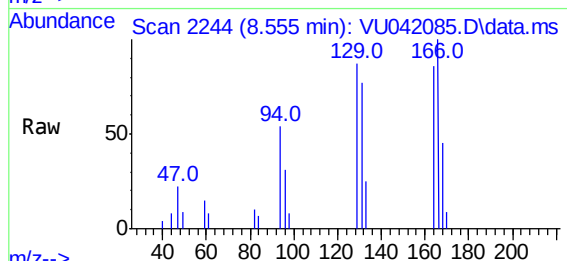
Acq: 15 Jan 2021 20:26

Tgt Ion:129 Resp: 3986

Ion Ratio Lower Upper

129 100

127 0.0 53.7 99.7#



#53

m,p-Xylene

Concen: 0.05 ug/L

RT: 9.693 min Scan# 2598

Delta R.T. -0.000 min

Lab File: VU042085.D

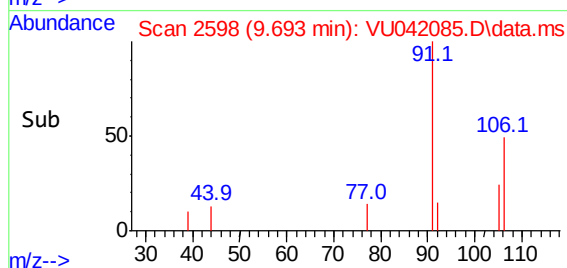
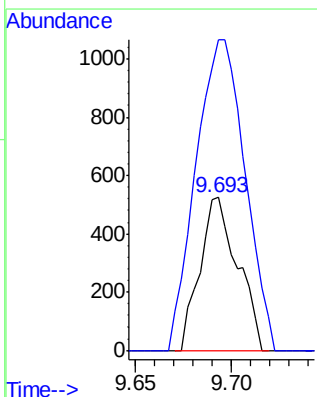
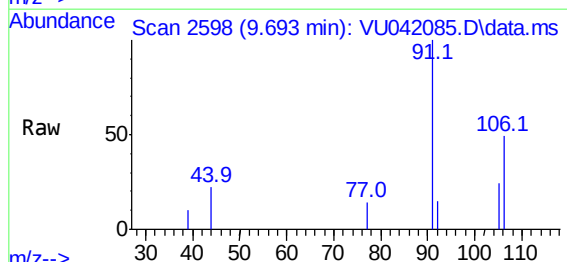
Acq: 15 Jan 2021 20:26

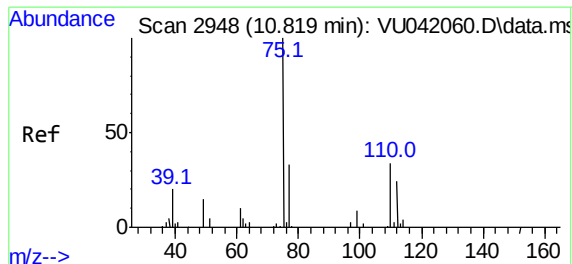
Tgt Ion:106 Resp: 714

Ion Ratio Lower Upper

106 100

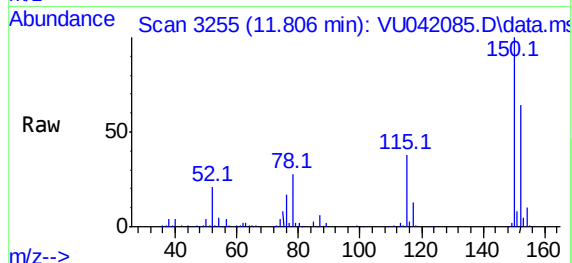
91 203.0 145.7 270.5





#59
 1,2,3-Trichloropropane
 Concen: 0.83 ug/L
 RT: 11.806 min Scan# 3255
 Delta R.T. 0.987 min
 Lab File: VU042085.D
 Acq: 15 Jan 2021 20:26

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXQ1



Tgt Ion: 75 Resp: 5823
 Ion Ratio Lower Upper
 75 100
 77 36.0 25.6 38.4

