

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012021\
 Data File : VU042114.D
 Acq On : 20 Jan 2021 18:36
 Operator : SY/MD
 Sample : M1164-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX5

Quant Time: Jan 21 04:25:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 21 04:09:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	117952	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	109717	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	53836	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	36775	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.915	69	29155	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.571	63	62740	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	4.645	46	150718	54.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.58%
24) Chloroform-d	5.073	84	77861	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.710	65	48608	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.735	84	146849	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.700	67	48066	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.906	98	134956	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloroprop...	8.185	79	23477	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
46) 2-Hexanone-d5	8.645	63	111227	54.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.08%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	41225	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	12.201	152	52945	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%
Target Compounds						
2) Dichlorodifluoromethane	1.385	85	3483	0.31	ug/L	96
3) Chloromethane	1.520	50	694	0.07	ug/L	89
5) Vinyl chloride	1.607	62	910	0.10	ug/L #	27
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	550	0.07	ug/L #	18
12) 1,1-Dichloroethene	2.575	96	764	0.10	ug/L #	1
13) Acetone	2.661	43	4411	2.39	ug/L	73
17) Methyl tert-butyl Ether	3.372	73	34236	1.48	ug/L	96
22) cis-1,2-Dichloroethene	4.674	96	10129	1.12	ug/L	98
25) Chloroform	5.095	83	2095	0.13	ug/L	97
27) 1,2-Dichloroethane	5.800	62	1540	0.13	ug/L #	92
33) Benzene	5.787	78	1622	0.05	ug/L	100
34) Trichloroethene	6.549	95	608199	69.85	ug/L	99
35) Methylcyclohexane	6.700	83	11825	0.81	ug/L #	15
37) 1,2-Dichloropropane	6.697	63	5506	0.65	ug/L #	87
39) cis-1,3-Dichloropropene	7.571	75	1541	0.11	ug/L #	53
42) Toluene	7.980	91	4428	0.13	ug/L	88
44) trans-1,3-Dichloropropene	8.185	75	1131	0.09	ug/L #	78
47) Tetrachloroethene	8.558	164	9507	1.31	ug/L	92
48) 2-Hexanone	8.645	43	16792	3.32	ug/L #	67
49) Dibromochloromethane	8.562	129	8338	1.00	ug/L #	12

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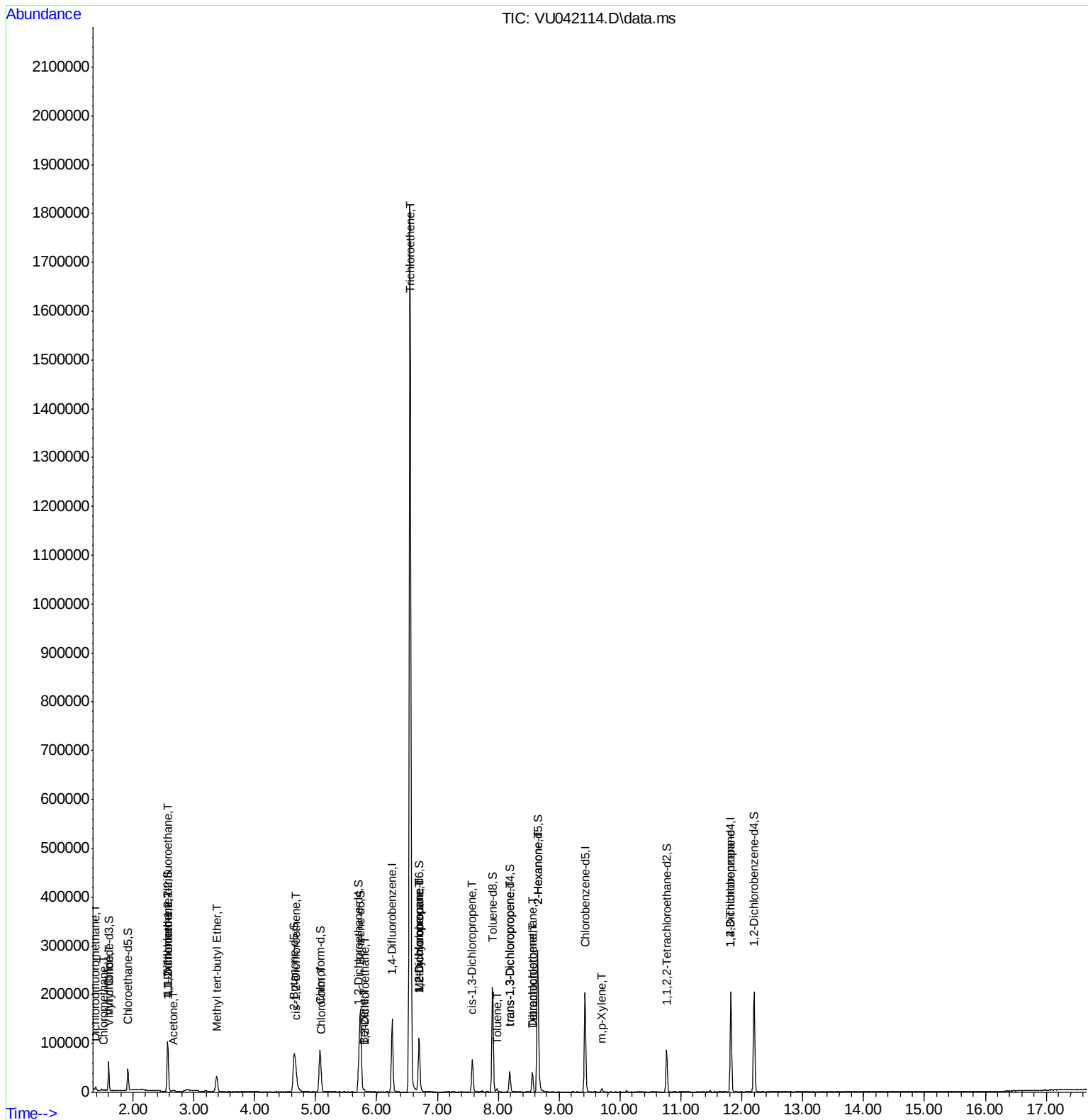
Instrument :
MSVOA_U
ClientSampleId :
BFXT5

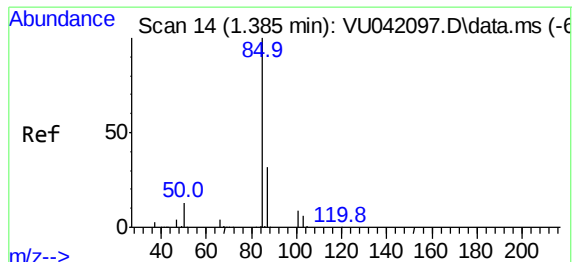
Quant Time: Jan 21 04:25:31 2021
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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jan 21 04:09:50 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.700	106	1971	0.13	ug/L	97
59) 1,2,3-Trichloropropane	11.819	75	6143	1.02	ug/L	93

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

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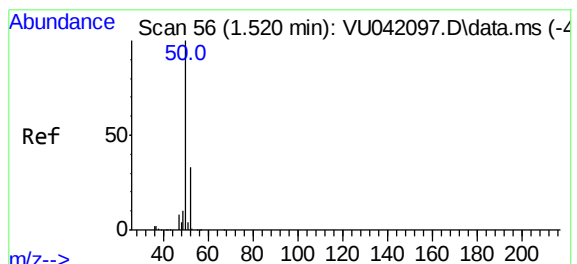
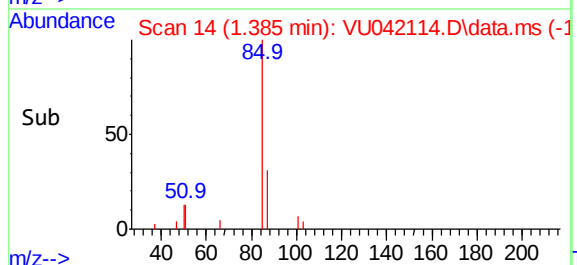
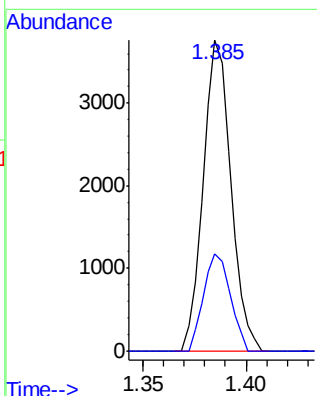
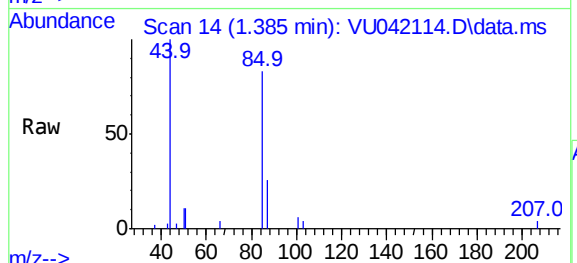




#2
Dichlorodifluoromethane
Concen: 0.31 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36

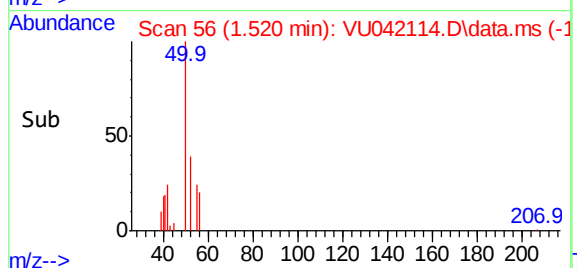
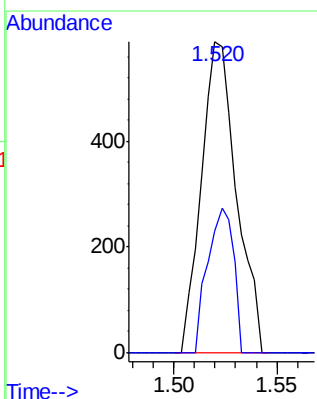
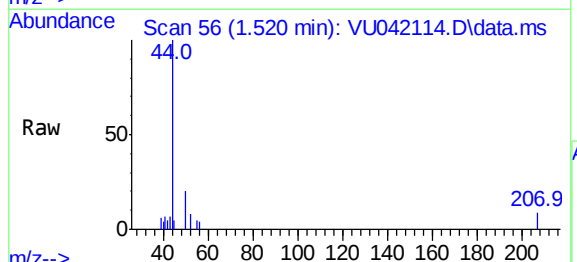
Instrument :
MSVOA_U
ClientSampleId :
BFXT5

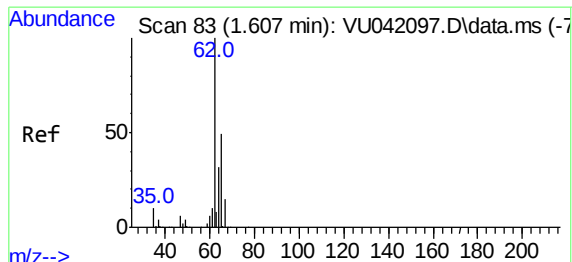
Tgt Ion: 85 Resp: 3483
Ion Ratio Lower Upper
85 100
87 30.2 26.1 39.1



#3
Chloromethane
Concen: 0.07 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36

Tgt Ion: 50 Resp: 694
Ion Ratio Lower Upper
50 100
52 39.1 23.0 42.8

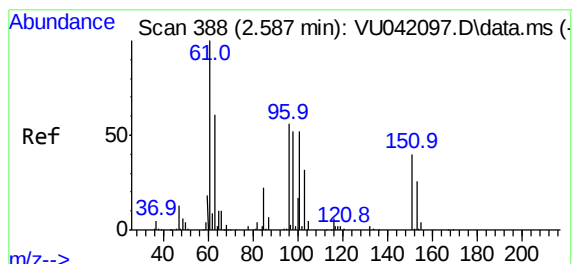
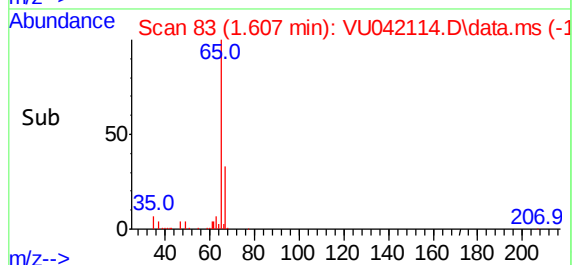
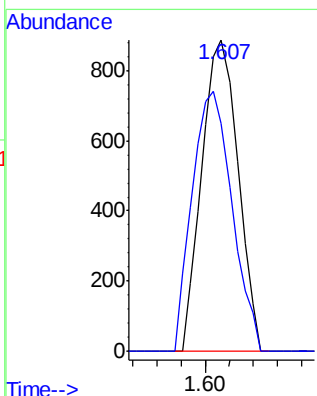
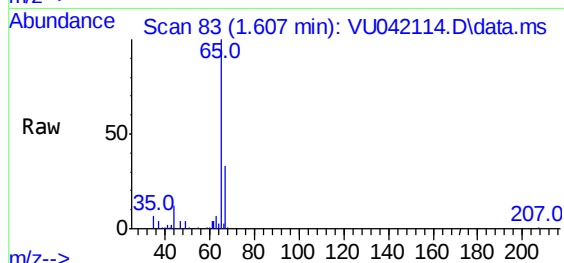




#5
 Vinyl chloride
 Concen: 0.10 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU042114.D
 Acq: 20 Jan 2021 18:36

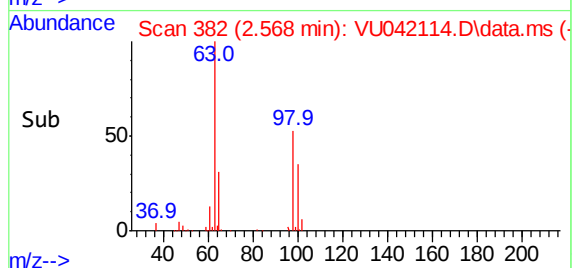
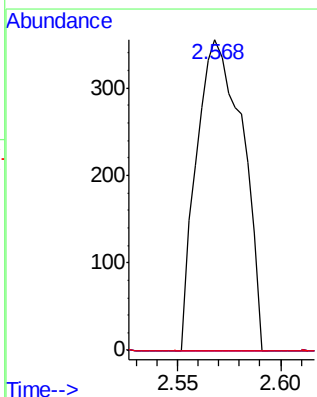
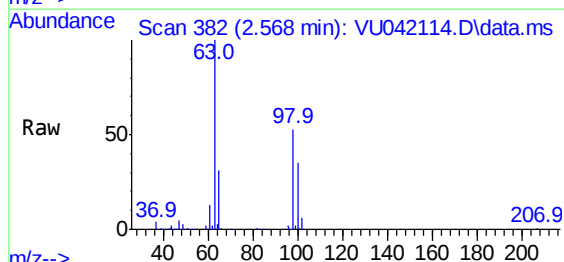
Instrument :
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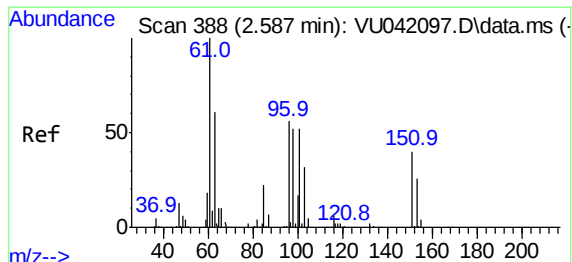
Tgt Ion: 62 Resp: 910
 Ion Ratio Lower Upper
 62 100
 64 73.2 22.7 42.1#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.07 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU042114.D
 Acq: 20 Jan 2021 18:36

Tgt Ion:101 Resp: 550
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 62.7 94.1#

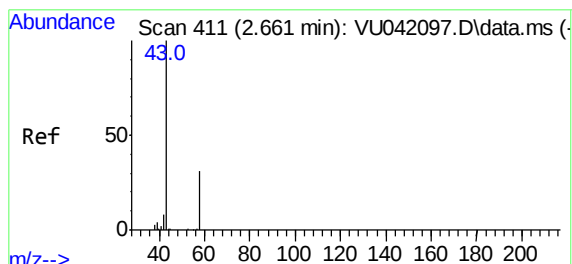
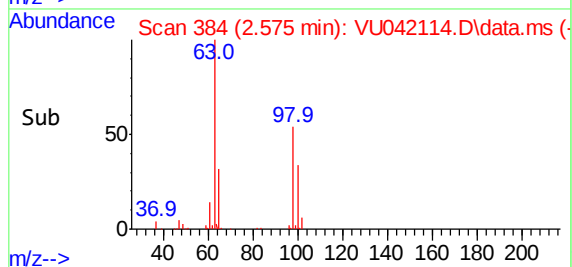
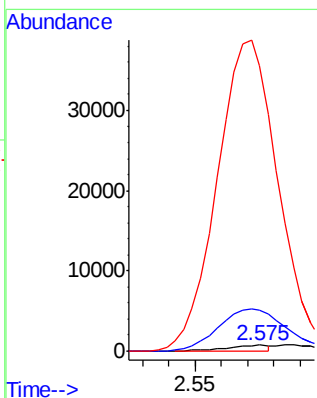
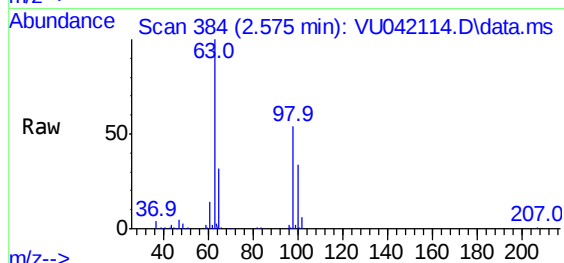




#12
1,1-Dichloroethene
Concen: 0.10 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36

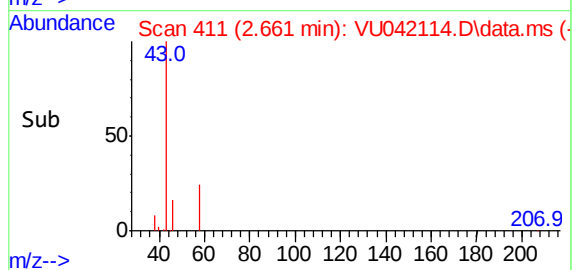
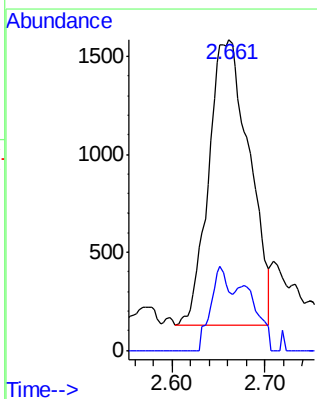
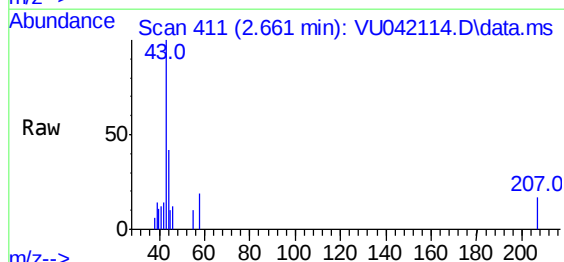
Instrument :
MSVOA_U
ClientSampleId :
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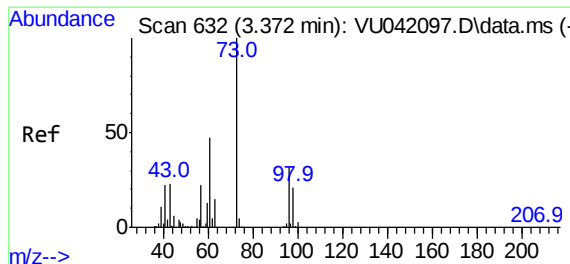
Tgt Ion: 96 Resp: 764
Ion Ratio Lower Upper
96 100
61 722.6 126.2 234.4#
63 5057.2 77.8 144.4#



#13
Acetone
Concen: 2.39 ug/L
RT: 2.661 min Scan# 411
Delta R.T. -0.000 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36

Tgt Ion: 43 Resp: 4411
Ion Ratio Lower Upper
43 100
58 13.6 0.0 55.8



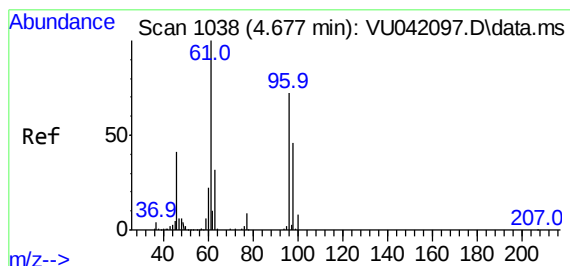
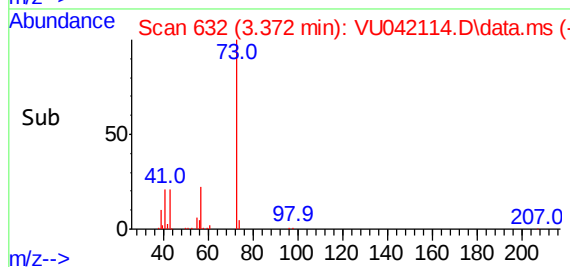
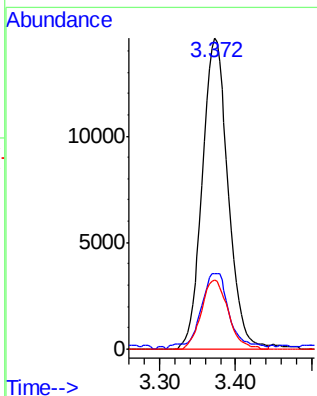
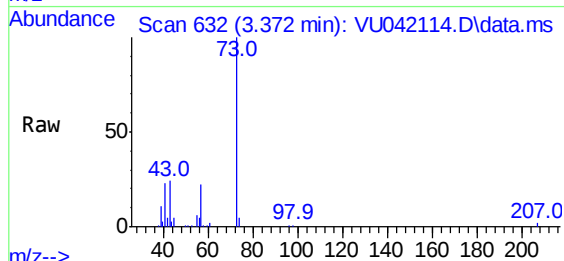


#17
Methyl tert-butyl Ether
Concen: 1.48 ug/L
RT: 3.372 min Scan# 632
Delta R.T. -0.000 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36

Instrument :
MSVOA_U
ClientSampleId :
BFX5

Tgt Ion: 73 Resp: 34236

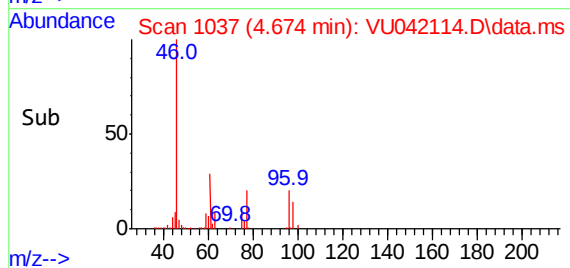
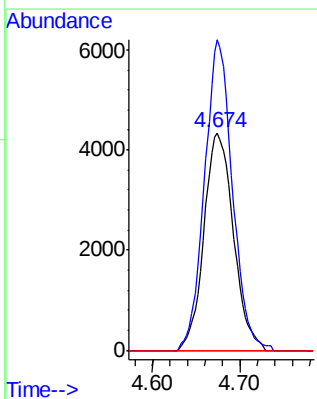
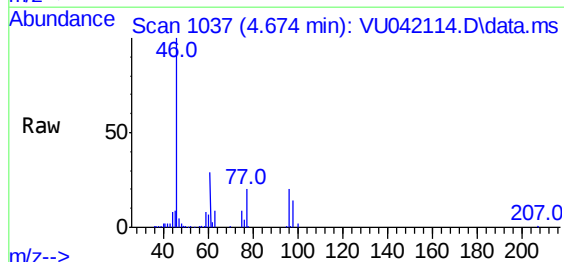
Ion	Ratio	Lower	Upper
73	100		
43	26.9	18.9	28.3
57	23.0	18.2	27.4

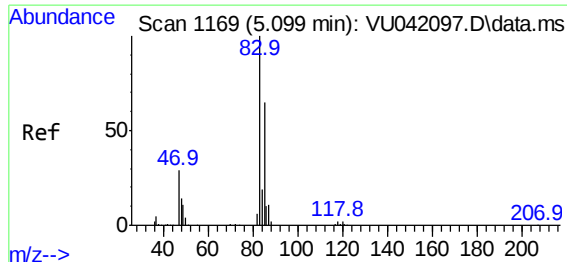


#22
cis-1,2-Dichloroethene
Concen: 1.12 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. -0.003 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36

Tgt Ion: 96 Resp: 10129

Ion	Ratio	Lower	Upper
96	100		
61	142.7	97.8	181.6
68	0.0	0.0	0.0

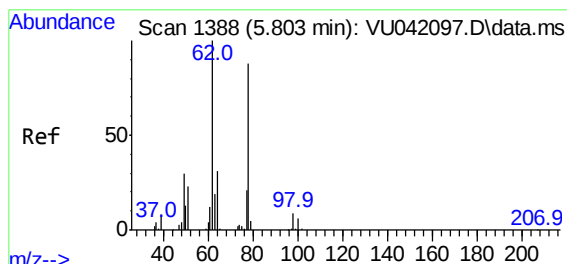
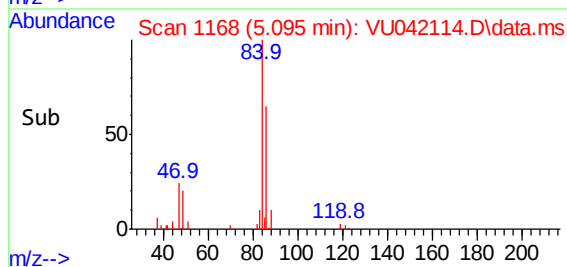
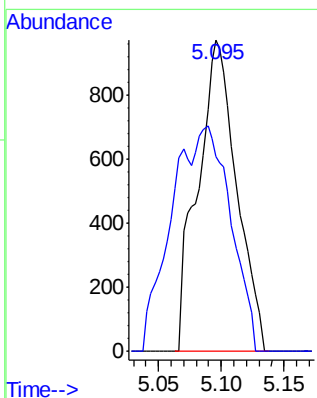
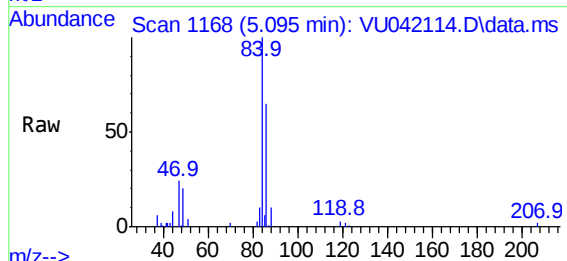




#25
Chloroform
Concen: 0.13 ug/L
RT: 5.095 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36

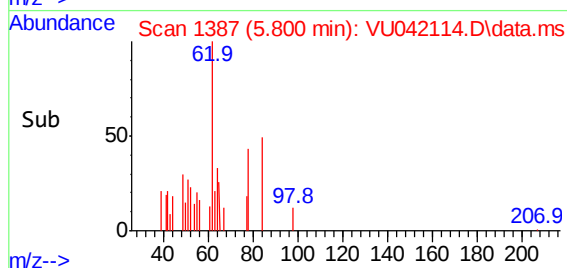
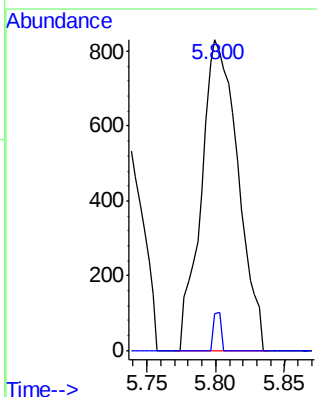
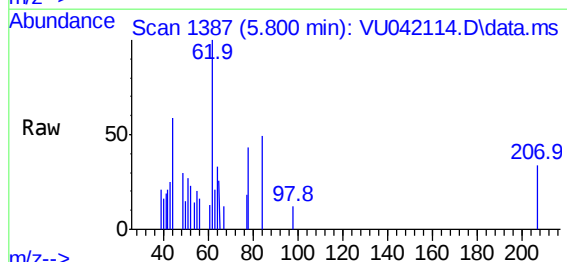
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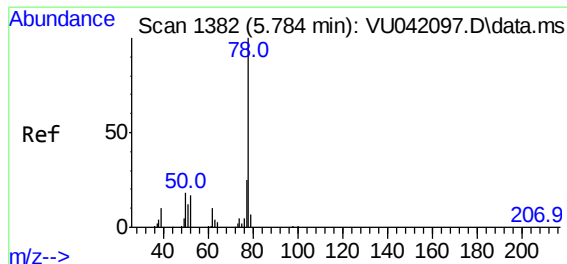
Tgt Ion: 83 Resp: 2095
Ion Ratio Lower Upper
83 100
85 62.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.13 ug/L
RT: 5.800 min Scan# 1387
Delta R.T. -0.003 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36

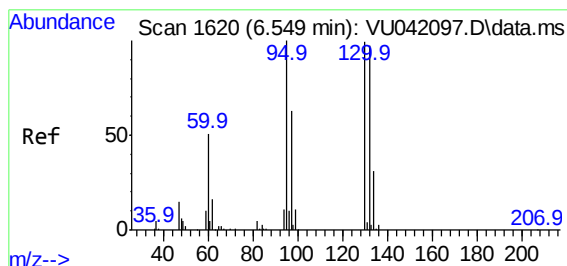
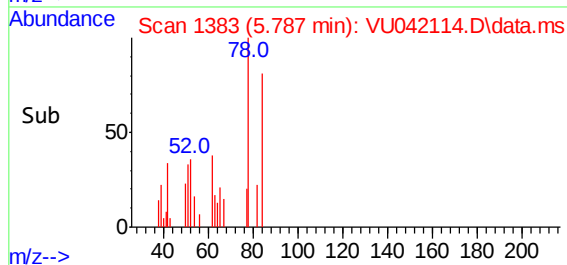
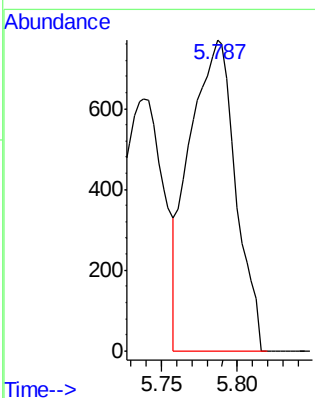
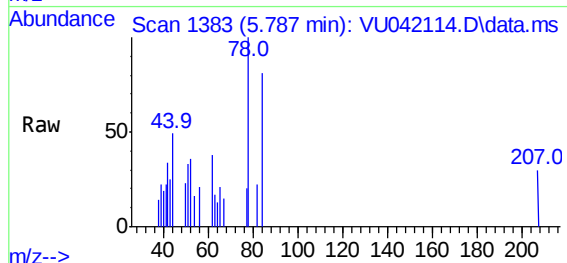
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Ion Ratio Lower Upper
62 100
98 12.0 7.3 10.9#





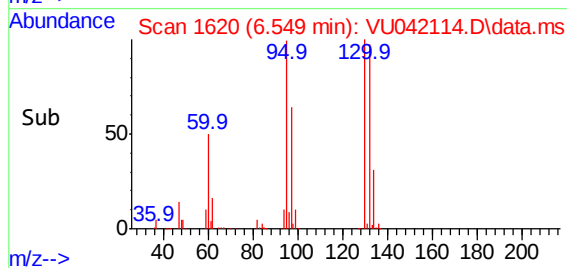
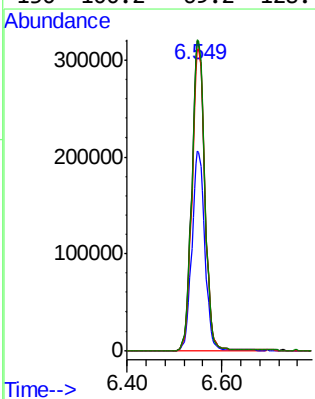
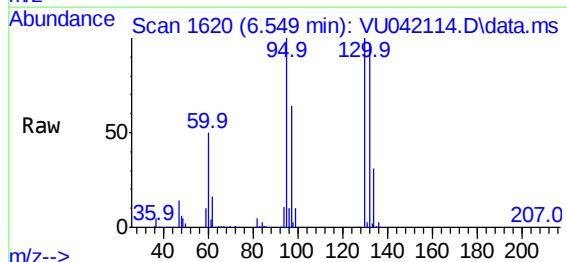
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Benzene
Concen: 0.05 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.003 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36
Tgt Ion: 78 Resp: 1622

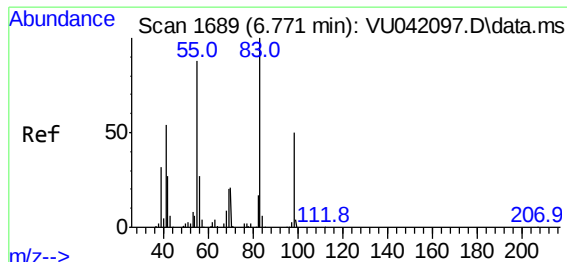
Instrument :
MSVOA_U
ClientSampleId :
BFXT5



#34
Trichloroethene
Concen: 69.85 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36
Tgt Ion: 95 Resp: 608199

Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.4	82.4
132	96.9	68.0	126.4
130	100.2	69.2	128.4

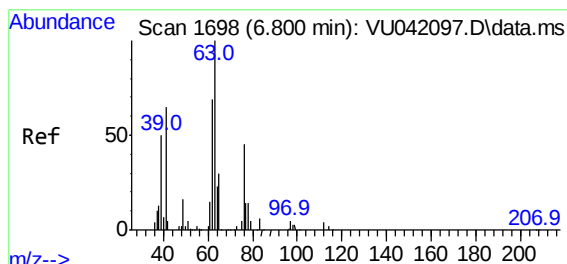
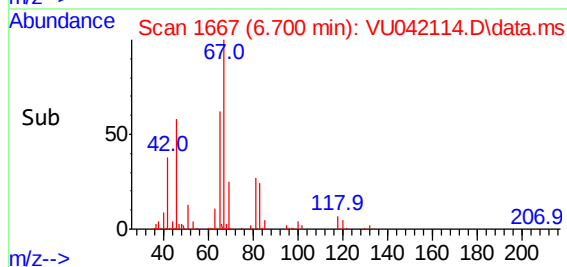
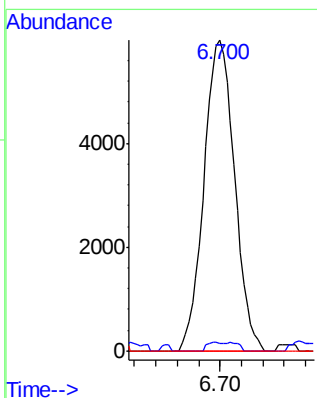
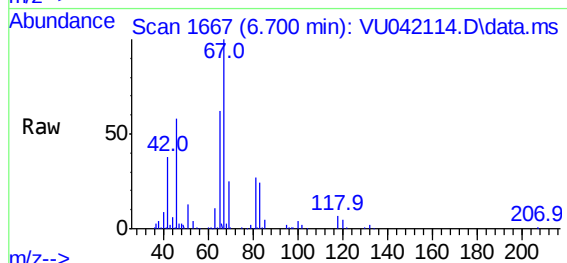




#35
Methylcyclohexane
Concen: 0.81 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36

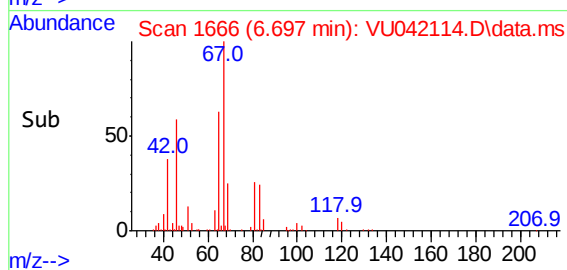
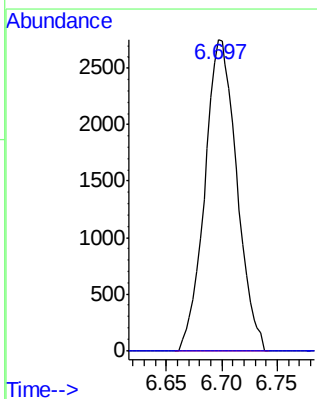
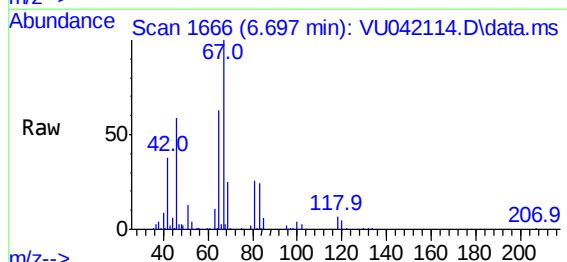
Instrument :
MSVOA_U
ClientSampleId :
BFXT5

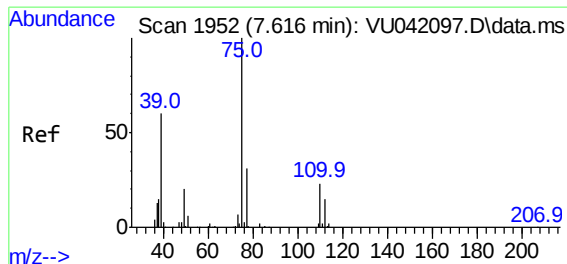
Tgt Ion: 83 Resp: 11825
Ion Ratio Lower Upper
83 100
55 1.4 68.2 102.4#
98 0.0 39.7 59.5#



#37
1,2-Dichloropropane
Concen: 0.65 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.103 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36

Tgt Ion: 63 Resp: 5506
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

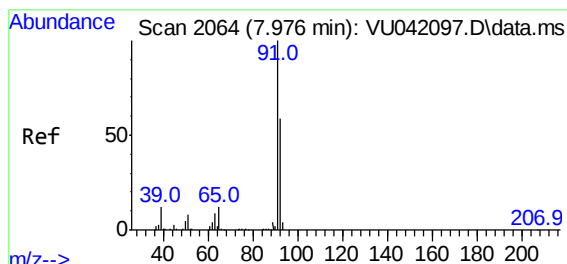
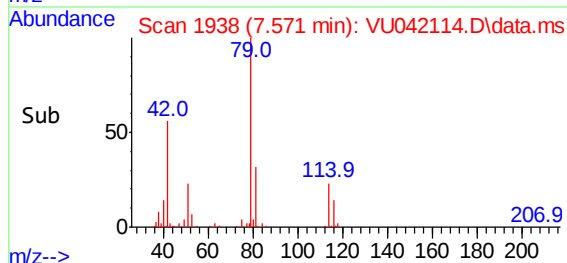
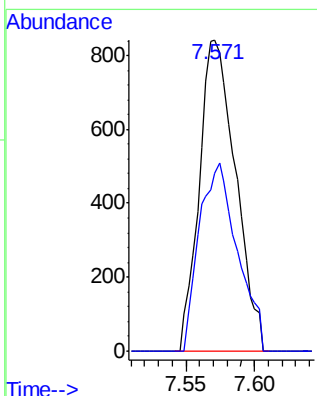
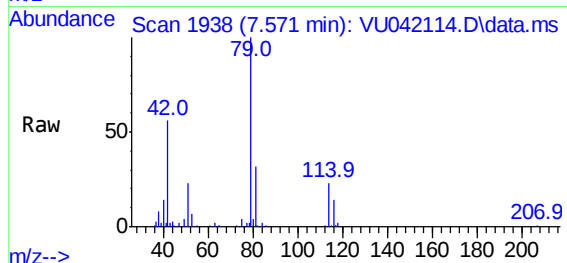




#39
cis-1,3-Dichloropropene
Concen: 0.11 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36

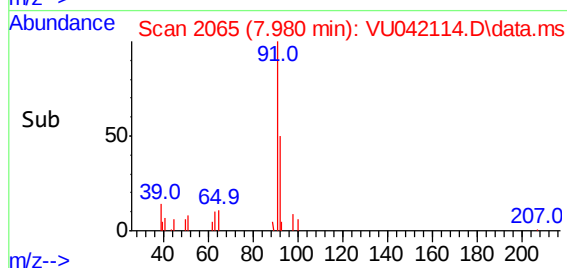
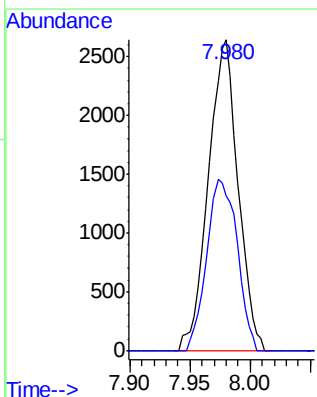
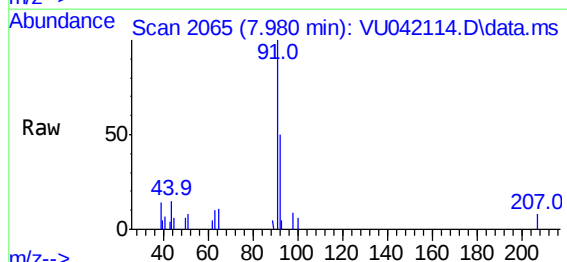
Instrument :
MSVOA_U
ClientSampleId :
BFXT5

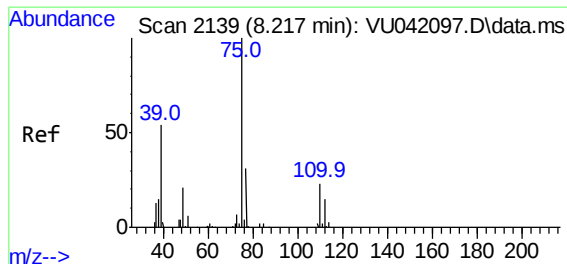
Tgt Ion: 75 Resp: 1541
Ion Ratio Lower Upper
75 100
77 57.2 22.0 40.8#



#42
Toluene
Concen: 0.13 ug/L
RT: 7.980 min Scan# 2065
Delta R.T. 0.003 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36

Tgt Ion: 91 Resp: 4428
Ion Ratio Lower Upper
91 100
92 49.7 41.2 76.6



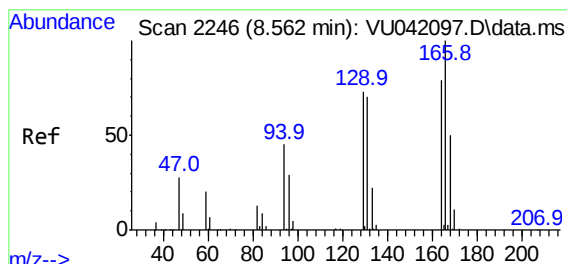
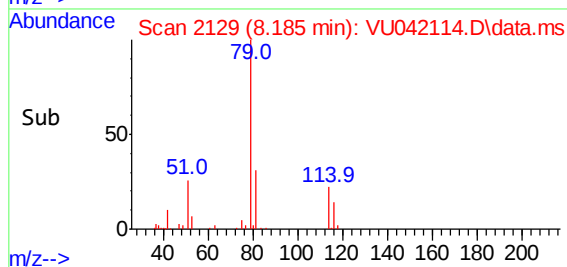
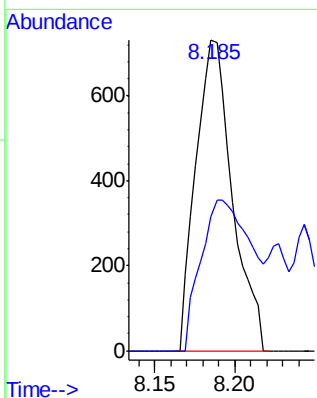
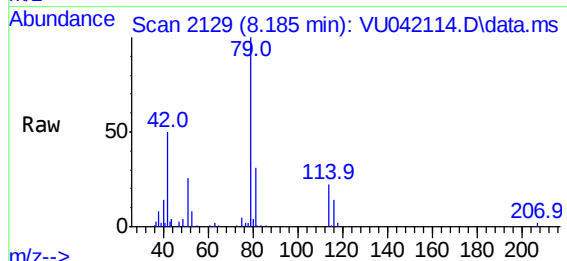


#44

trans-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.032 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36

Instrument :
MSVOA_U
ClientSampled :
BFXT5

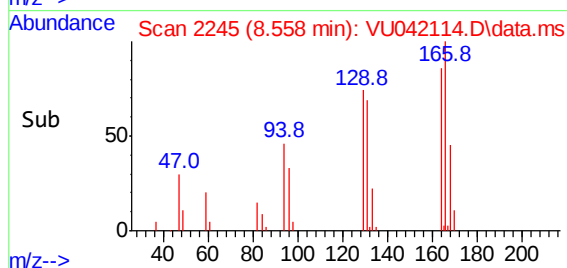
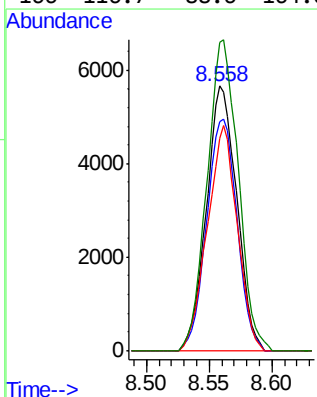
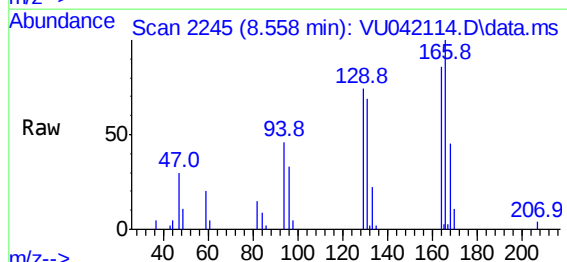
Tgt Ion: 75 Resp: 1131
Ion Ratio Lower Upper
75 100
77 43.2 21.8 40.4#

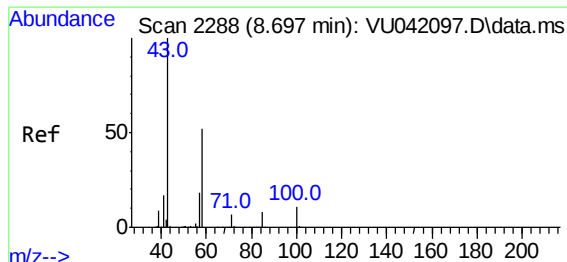


#47

Tetrachloroethene
Concen: 1.31 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.003 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36

Tgt Ion: 164 Resp: 9507
Ion Ratio Lower Upper
164 100
129 86.3 64.3 119.5
131 80.1 62.2 115.6
166 116.7 88.6 164.6



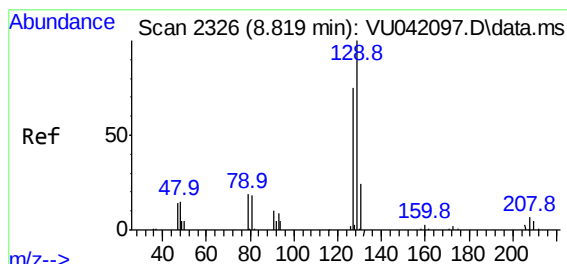
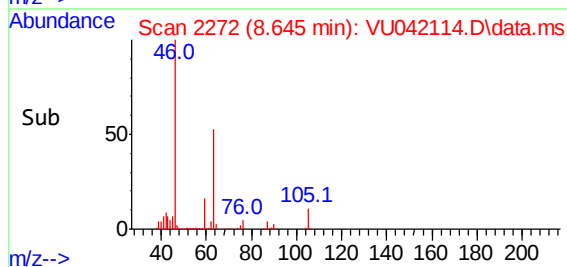
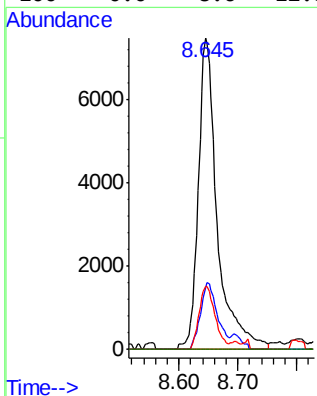
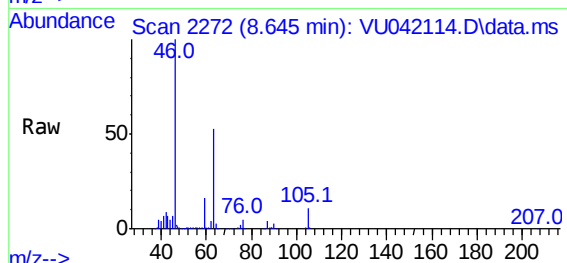


#48
2-Hexanone
Concen: 3.32 ug/L
RT: 8.645 min Scan# 2272
Delta R.T. -0.051 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36

Instrument :
MSVOA_U
ClientSampleId :
BFXT5

Tgt Ion: 43 Resp: 16792

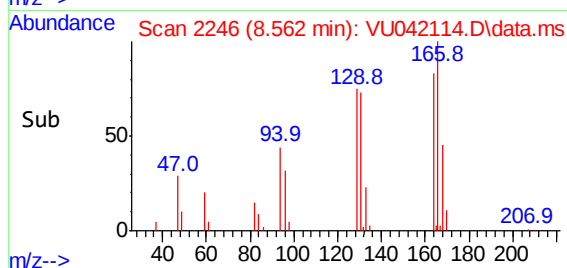
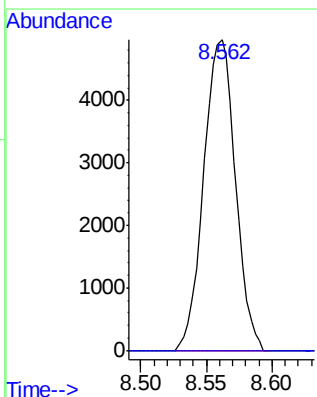
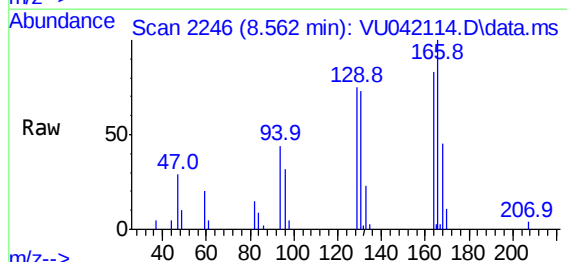
Ion	Ratio	Lower	Upper
43	100		
58	19.2	40.6	61.0#
57	17.1	14.9	22.3
100	0.0	8.6	12.8#

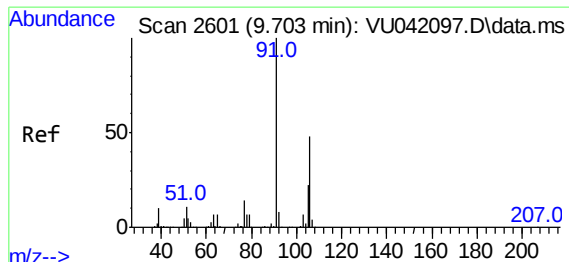


#49
Dibromochloromethane
Concen: 1.00 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU042114.D
Acq: 20 Jan 2021 18:36

Tgt Ion: 129 Resp: 8338

Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.3	97.1#





#53

m,p-Xylene

Concen: 0.13 ug/L

RT: 9.700 min Scan# 2600

Delta R.T. -0.003 min

Lab File: VU042114.D

Acq: 20 Jan 2021 18:36

Tgt Ion:106 Resp: 1971

Ion Ratio Lower Upper

106 100

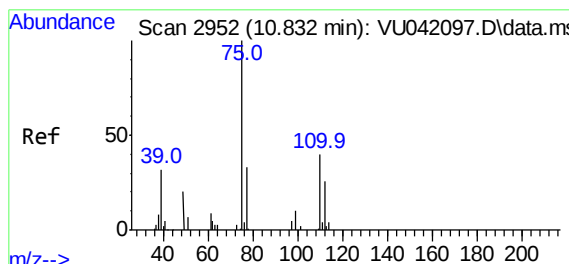
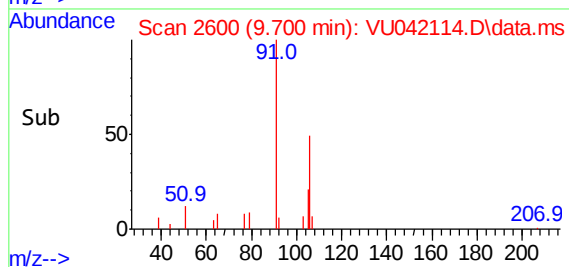
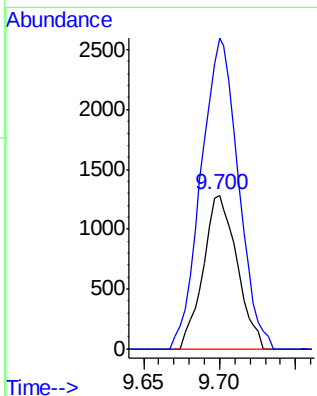
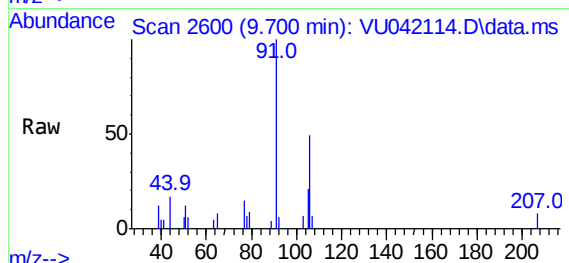
91 202.7 145.1 269.5

Instrument :

MSVOA_U

ClientSampleId :

BFXT5



#59

1,2,3-Trichloropropane

Concen: 1.02 ug/L

RT: 11.819 min Scan# 3259

Delta R.T. 0.987 min

Lab File: VU042114.D

Acq: 20 Jan 2021 18:36

Tgt Ion: 75 Resp: 6143

Ion Ratio Lower Upper

75 100

77 36.3 26.0 39.0

