

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012021\
 Data File : VU042109.D
 Acq On : 20 Jan 2021 16:36
 Operator : SY/MD
 Sample : M1164-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXT3

Quant Time: Jan 21 04:23:25 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	133738	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	123699	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.822	152	64136	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	38769	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.916	69	30067	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.568	63	65359	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	4.649	46	152173	48.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.68%
24) Chloroform-d	5.073	84	80574	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.710	65	50034	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.735	84	155775	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.700	67	51471	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.906	98	142183	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloroprop...	8.189	79	25050	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.648	63	115785	50.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.70%
57) 1,1,2,2-Tetrachloroeth...	10.767	84	42848	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	12.201	152	56359	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%
Target Compounds						
3) Chloromethane	1.523	50	763	0.07	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	529	0.06	ug/L #	18
12) 1,1-Dichloroethene	2.565	96	512	0.06	ug/L #	1
13) Acetone	2.662	43	34209	16.31	ug/L	97
15) Methyl Acetate	2.964	43	1013	0.20	ug/L	99
16) Methylene chloride	3.051	84	7358	0.69	ug/L	96
21) 2-Butanone	4.735	43	3941	1.12	ug/L	89
33) Benzene	5.777	78	1705	0.05	ug/L	100
35) Methylcyclohexane	6.700	83	11978	0.73	ug/L #	17
37) 1,2-Dichloropropane	6.700	63	5965	0.62	ug/L #	87
39) cis-1,3-Dichloropropene	7.574	75	1615	0.10	ug/L #	55
40) 4-Methyl-2-pentanone	7.803	43	3792	0.46	ug/L #	86
42) Toluene	7.976	91	15078	0.38	ug/L	97
44) trans-1,3-Dichloropropene	8.189	75	1008	0.07	ug/L #	56
48) 2-Hexanone	8.648	43	15262	2.68	ug/L #	67
52) Ethylbenzene	9.578	91	2796	0.06	ug/L	96
53) m,p-Xylene	9.700	106	4135	0.24	ug/L	96
54) o-Xylene	10.108	106	2515	0.15	ug/L	97
59) 1,2,3-Trichloropropane	11.822	75	7135	1.05	ug/L #	87
69) Naphthalene	14.098	128	1395	0.08	ug/L #	89

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

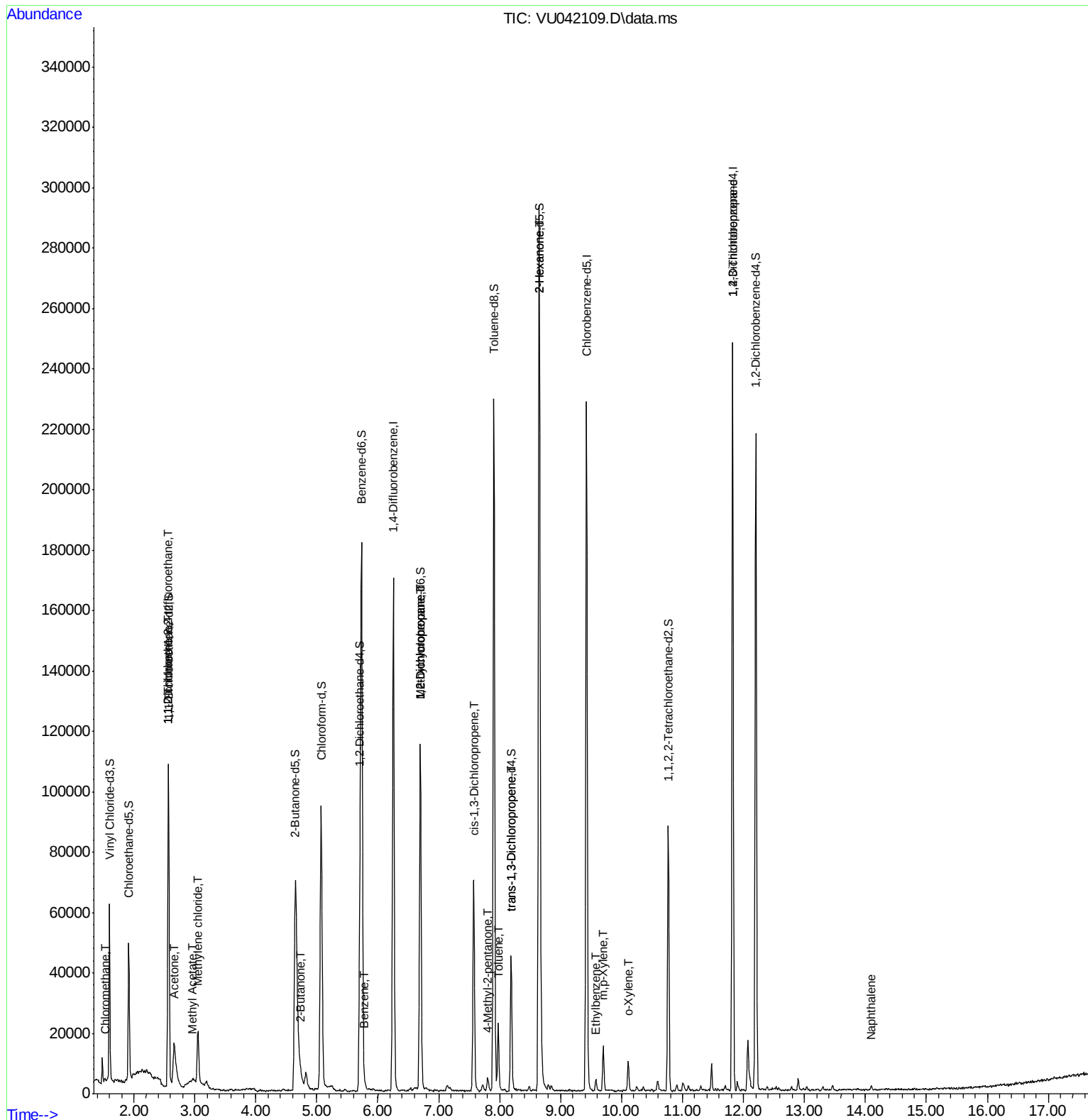
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

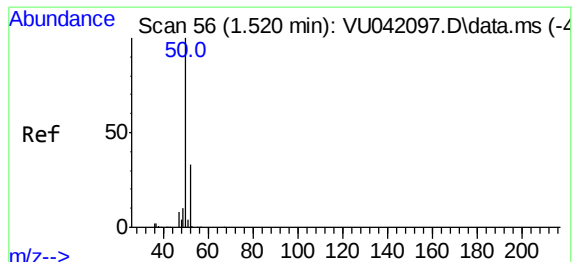
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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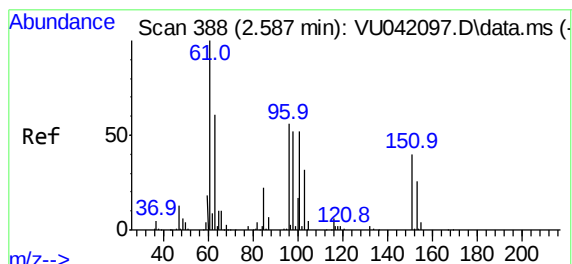
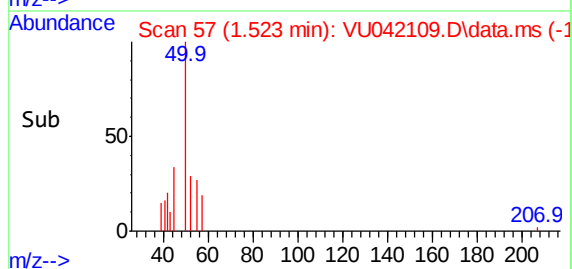
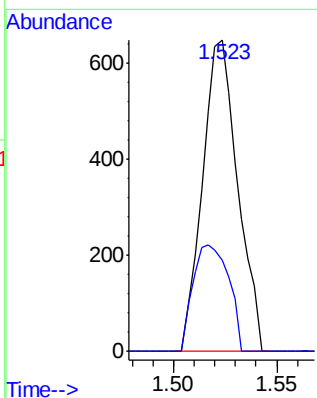
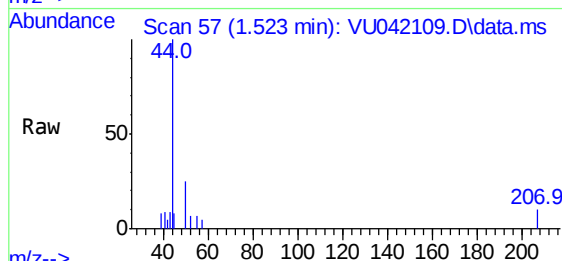




#3
Chloromethane
Concen: 0.07 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

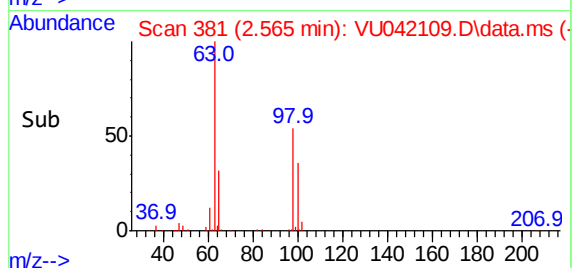
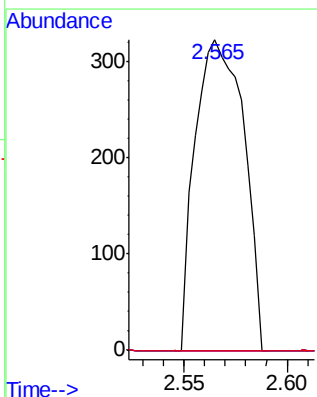
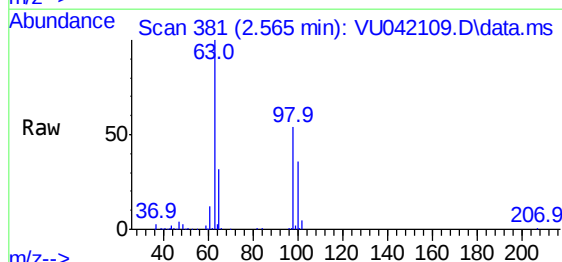
Instrument :
MSVOA_U
ClientSampleId :
BFXT3

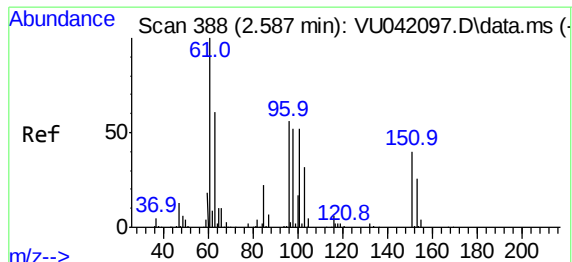
Tgt Ion: 50 Resp: 763
Ion Ratio Lower Upper
50 100
52 29.2 23.0 42.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.06 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.022 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

Tgt Ion:101 Resp: 529
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 62.7 94.1#

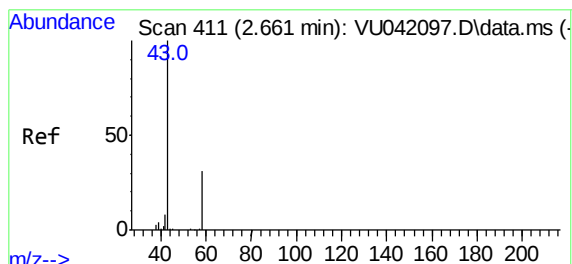
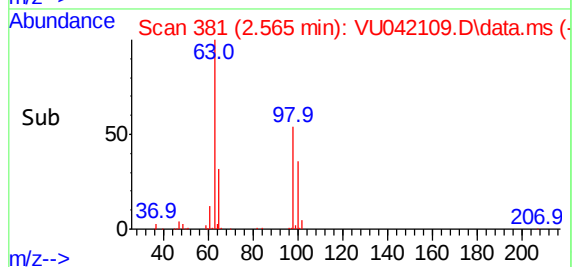
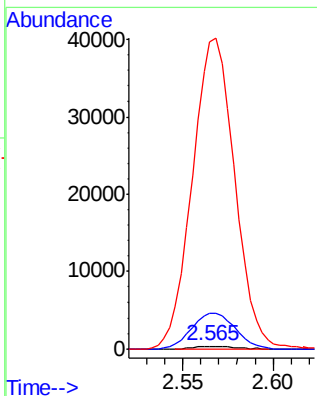
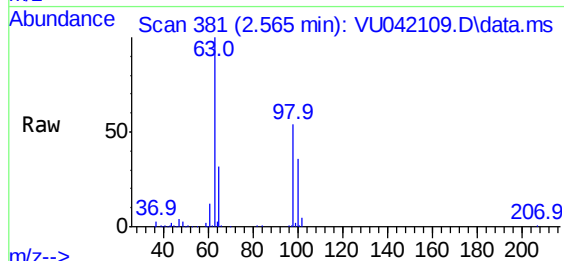




#12
1,1-Dichloroethene
Concen: 0.06 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.022 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

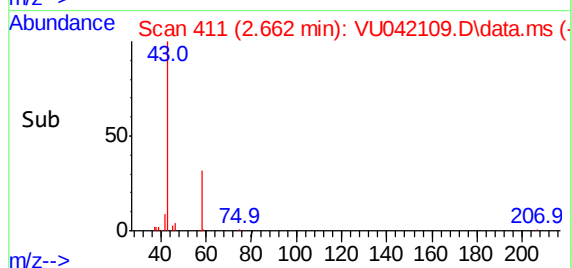
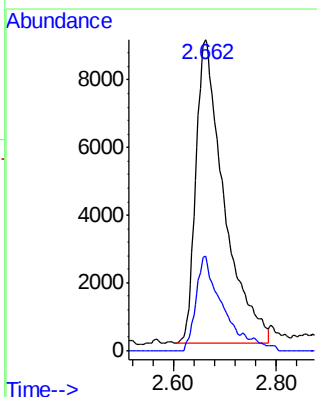
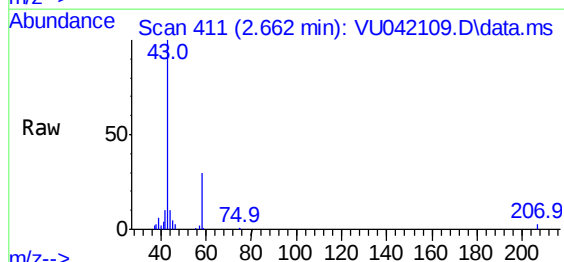
Instrument :
MSVOA_U
ClientSampleId :
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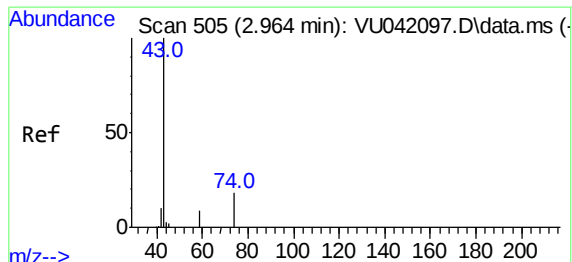
Tgt Ion: 96 Resp: 512
Ion Ratio Lower Upper
96 100
61 1413.0 126.2 234.4#
63 12271.6 77.8 144.4#



#13
Acetone
Concen: 16.31 ug/L
RT: 2.662 min Scan# 411
Delta R.T. 0.000 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

Tgt Ion: 43 Resp: 34209
Ion Ratio Lower Upper
43 100
58 26.4 0.0 55.8

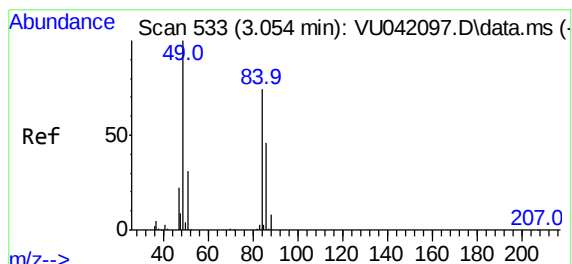
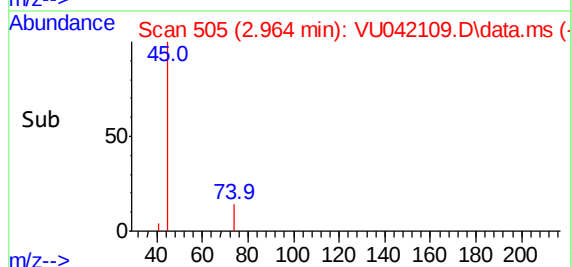
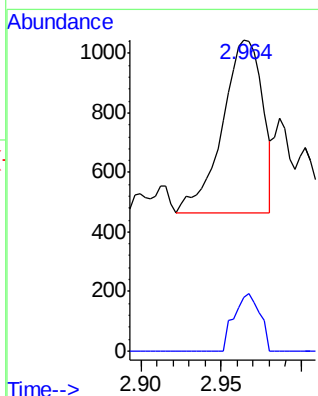
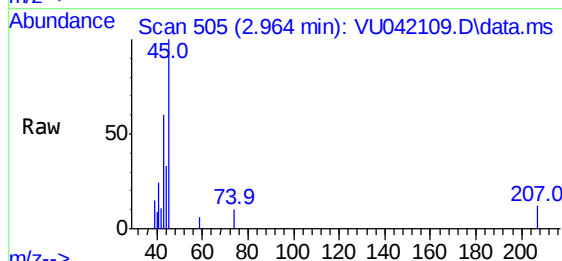




#15
Methyl Acetate
Concen: 0.20 ug/L
RT: 2.964 min Scan# 505
Delta R.T. 0.000 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

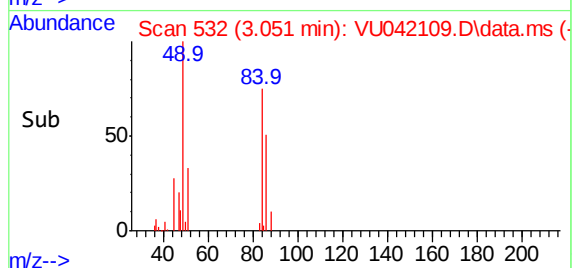
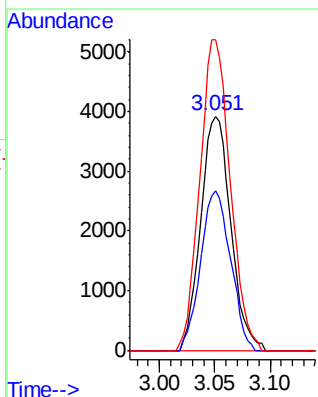
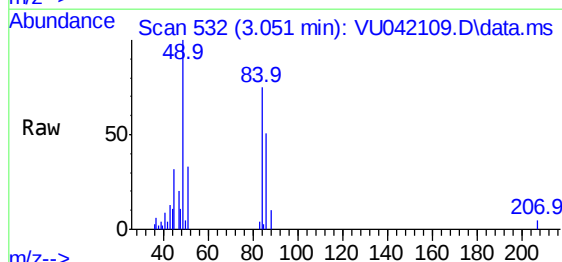
Instrument :
MSVOA_U
ClientSampleId :
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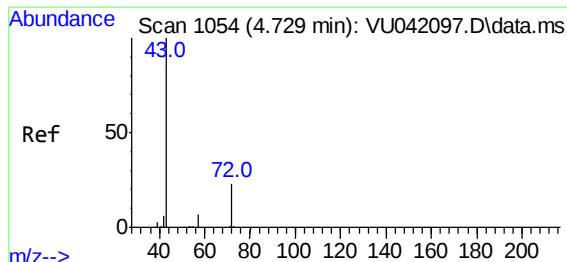
Tgt Ion: 43 Resp: 1013
Ion Ratio Lower Upper
43 100
74 21.4 16.9 25.3



#16
Methylene chloride
Concen: 0.69 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

Tgt Ion: 84 Resp: 7358
Ion Ratio Lower Upper
84 100
86 68.0 44.1 81.9
49 132.8 95.0 176.4

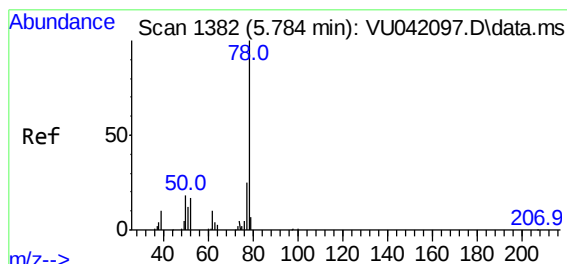
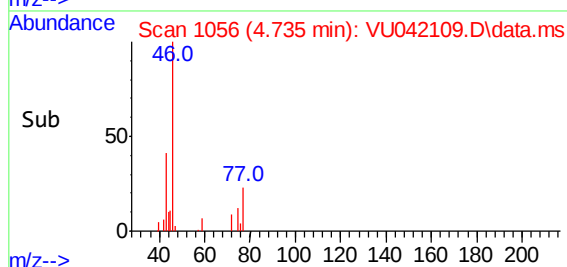
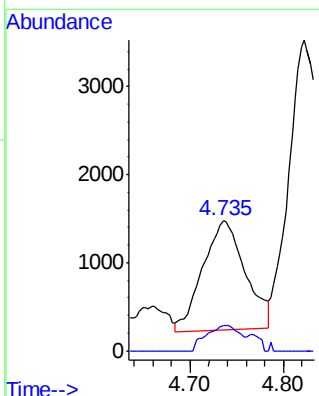
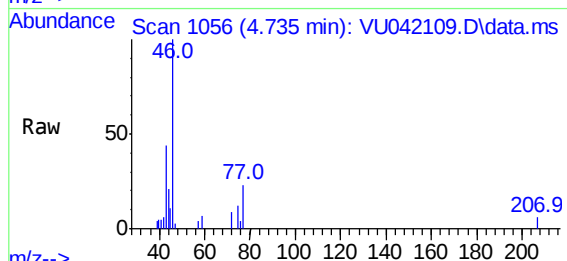




#21
2-Butanone
Concen: 1.12 ug/L
RT: 4.735 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

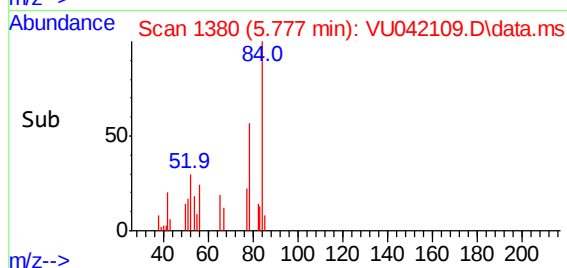
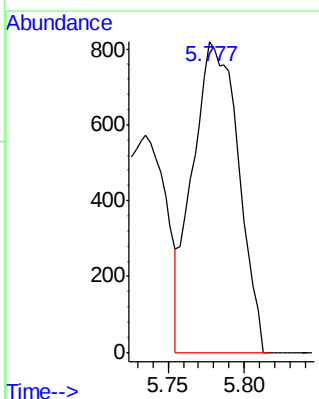
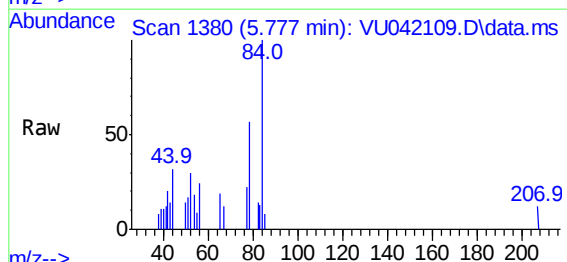
Instrument :
MSVOA_U
ClientSampled :
BFXT3

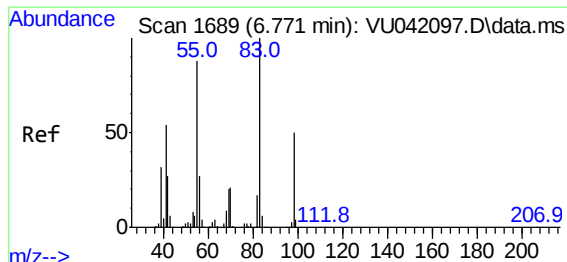
Tgt Ion: 43 Resp: 3941
Ion Ratio Lower Upper
43 100
72 17.9 11.7 35.1



#33
Benzene
Concen: 0.05 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

Tgt Ion: 78 Resp: 1705

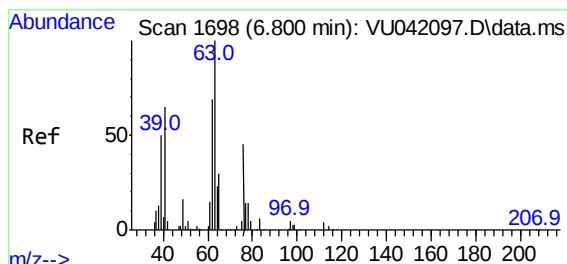
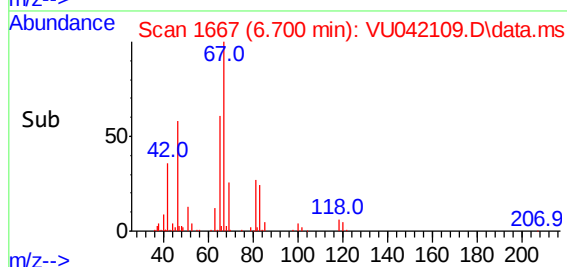
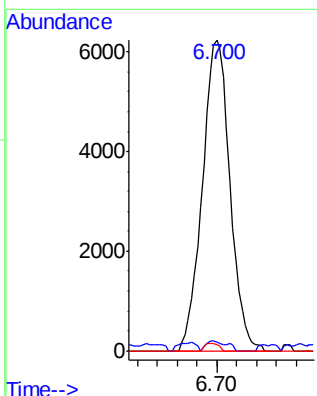
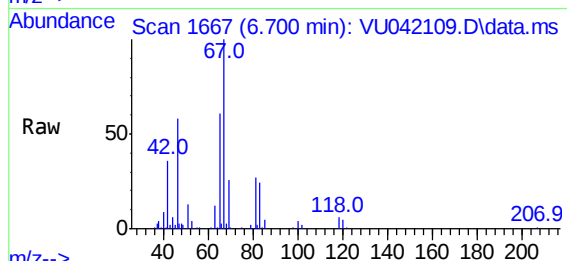




#35
Methylcyclohexane
Concen: 0.73 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

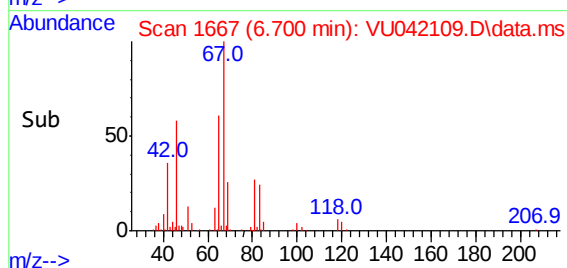
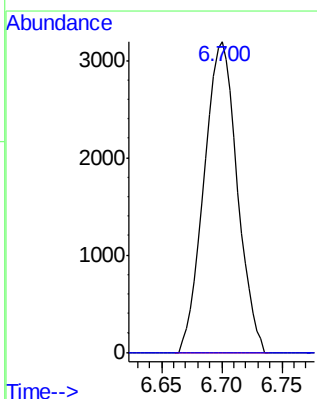
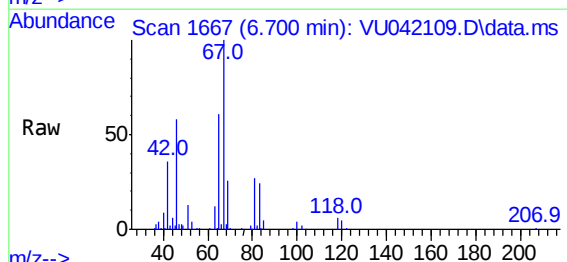
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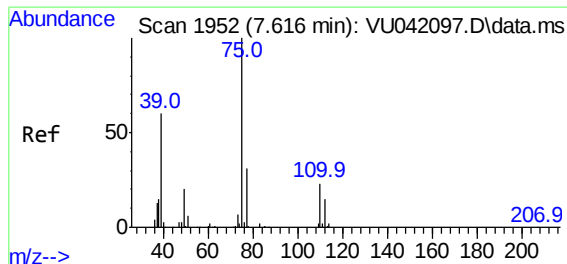
Tgt Ion: 83 Resp: 11978
Ion Ratio Lower Upper
83 100
55 2.4 68.2 102.4#
98 1.2 39.7 59.5#



#37
1,2-Dichloropropane
Concen: 0.62 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

Tgt Ion: 63 Resp: 5965
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

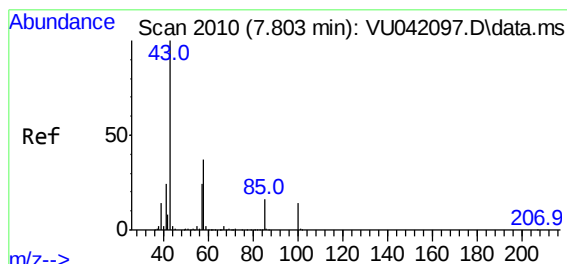
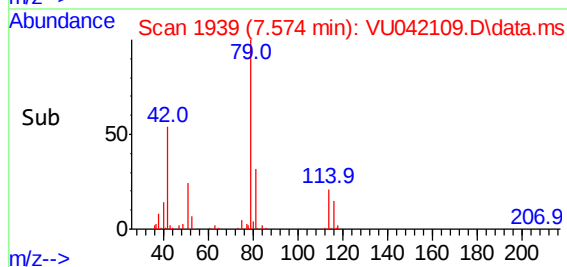
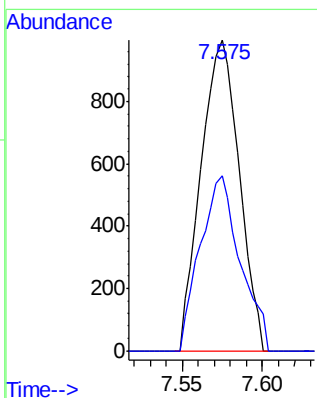
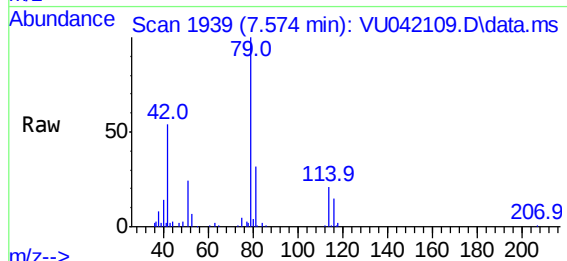




#39
cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

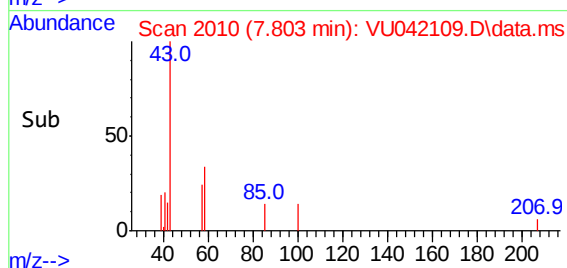
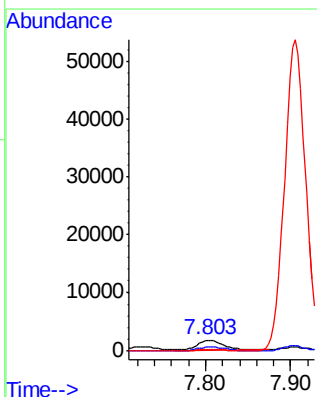
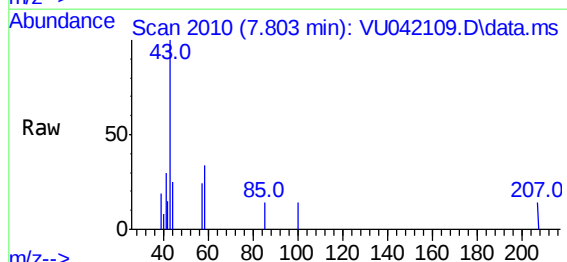
Instrument :
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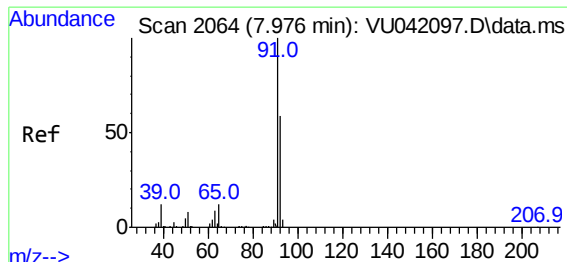
Tgt Ion: 75 Resp: 1615
Ion Ratio Lower Upper
75 100
77 56.2 22.0 40.8#



#40
4-Methyl-2-pentanone
Concen: 0.46 ug/L
RT: 7.803 min Scan# 2010
Delta R.T. 0.000 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

Tgt Ion: 43 Resp: 3792
Ion Ratio Lower Upper
43 100
58 32.9 29.1 43.7
100 0.0 11.0 16.4#





#42

Toluene

Concen: 0.38 ug/L

RT: 7.976 min Scan# 2064

Delta R.T. 0.000 min

Lab File: VU042109.D

Acq: 20 Jan 2021 16:36

Tgt Ion: 91 Resp: 15078

Ion Ratio Lower Upper

91 100

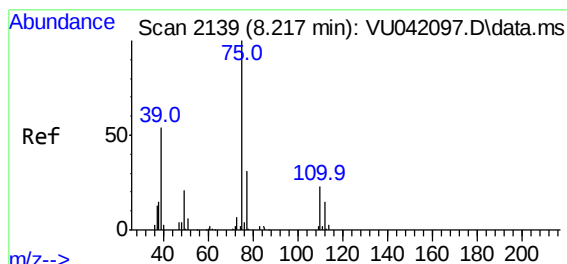
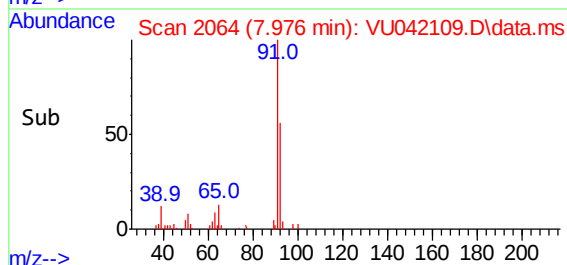
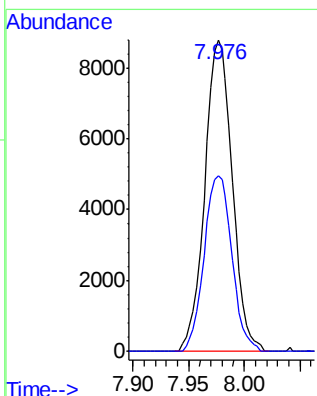
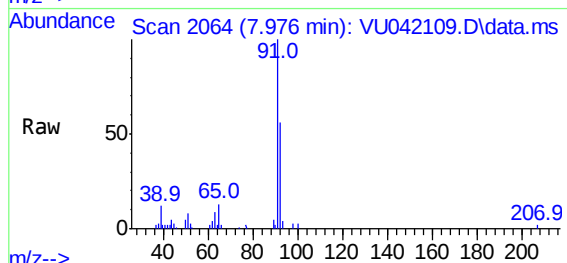
92 56.3 41.2 76.6

Instrument :

MSVOA_U

ClientSampleId :

BFXT3



#44

trans-1,3-Dichloropropene

Concen: 0.07 ug/L

RT: 8.189 min Scan# 2130

Delta R.T. -0.029 min

Lab File: VU042109.D

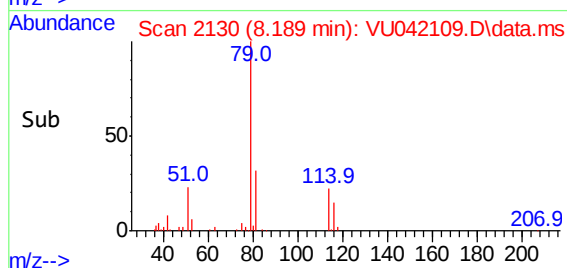
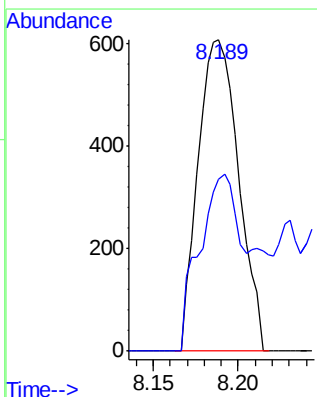
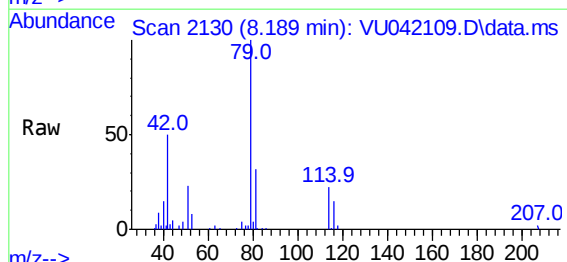
Acq: 20 Jan 2021 16:36

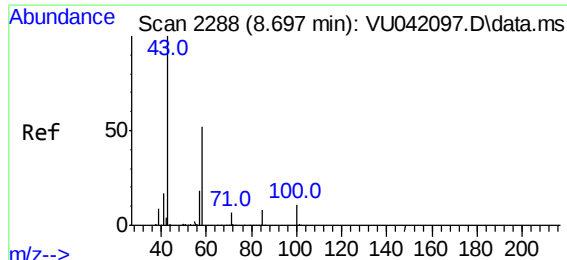
Tgt Ion: 75 Resp: 1008

Ion Ratio Lower Upper

75 100

77 55.3 21.8 40.4#



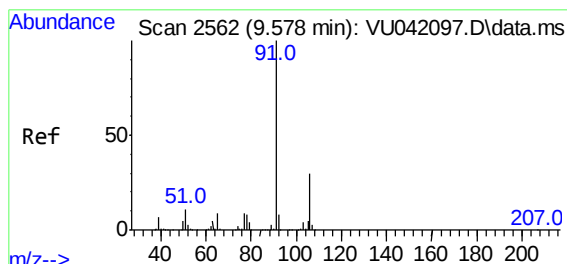
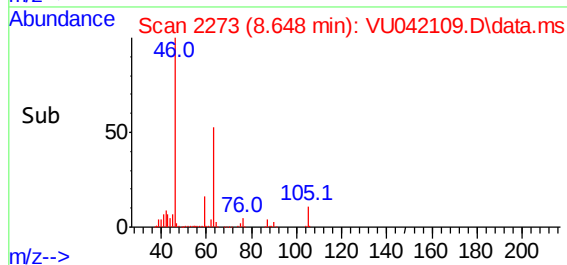
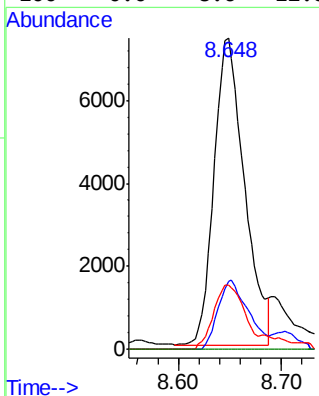
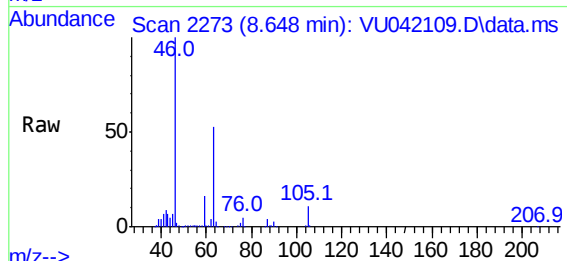


#48
2-Hexanone
Concen: 2.68 ug/L
RT: 8.648 min Scan# 2273
Delta R.T. -0.048 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

Instrument :
MSVOA_U
ClientSampleId :
BFXT3

Tgt Ion: 43 Resp: 15262

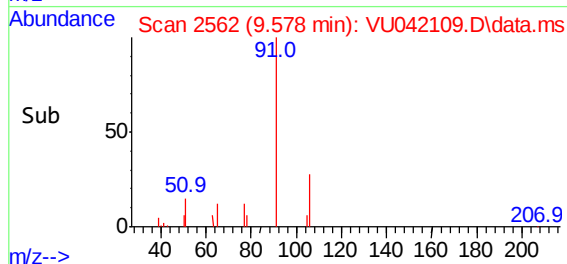
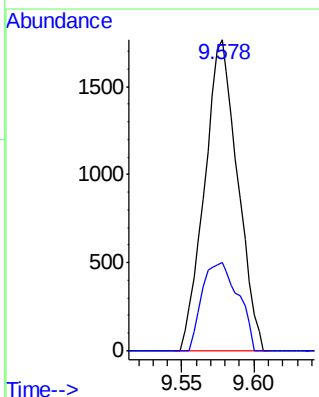
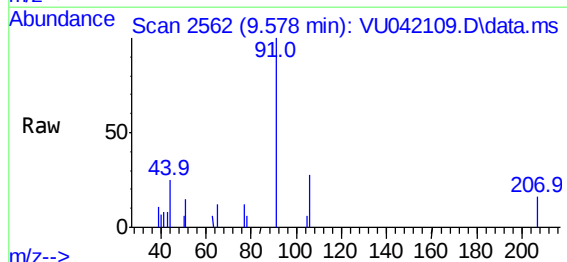
Ion	Ratio	Lower	Upper
43	100		
58	22.2	40.6	61.0#
57	24.9	14.9	22.3#
100	0.0	8.6	12.8#

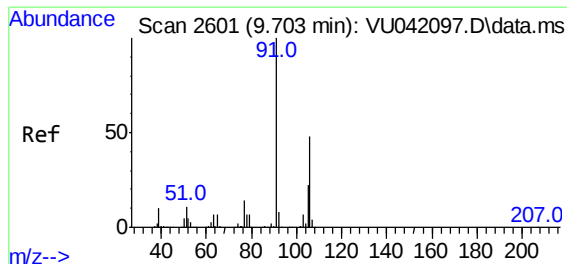


#52
Ethylbenzene
Concen: 0.06 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. 0.000 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

Tgt Ion: 91 Resp: 2796

Ion	Ratio	Lower	Upper
91	100		
106	28.1	21.1	39.3

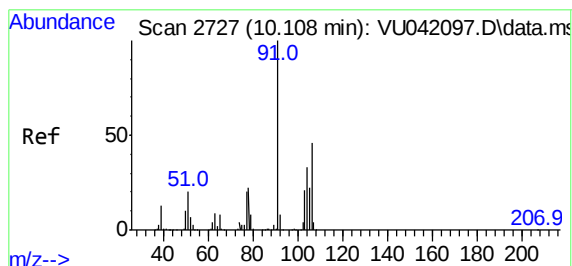
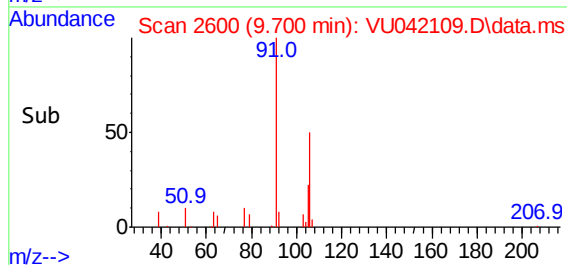
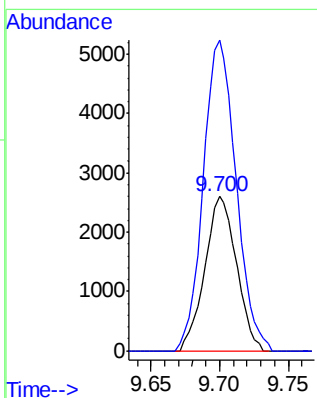
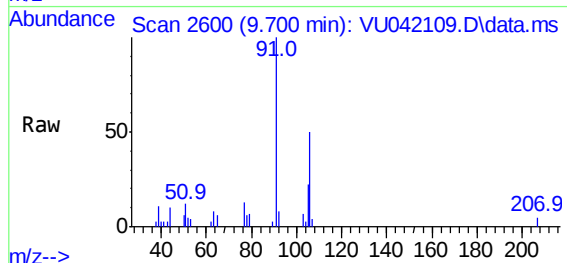




#53
m,p-Xylene
Concen: 0.24 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. -0.003 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

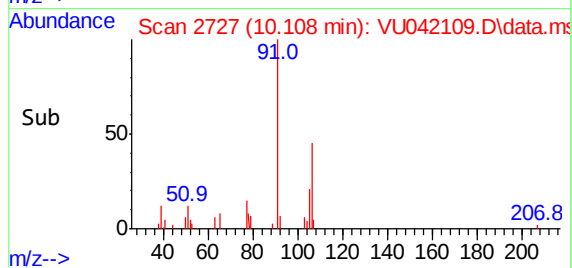
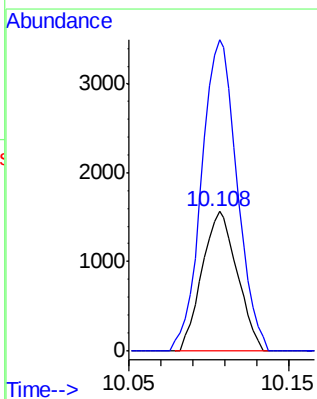
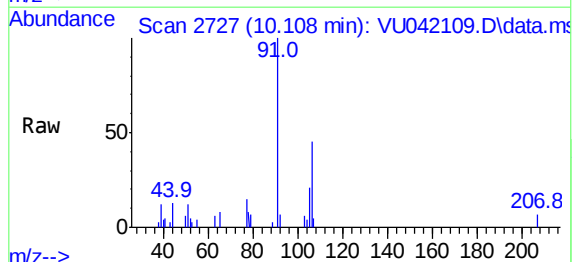
Instrument :
MSVOA_U
ClientSampleId :
BFXT3

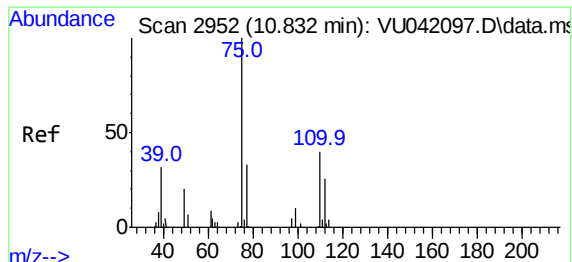
Tgt Ion:106 Resp: 4135
Ion Ratio Lower Upper
106 100
91 201.1 145.1 269.5



#54
o-Xylene
Concen: 0.15 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

Tgt Ion:106 Resp: 2515
Ion Ratio Lower Upper
106 100
91 223.3 153.0 284.2

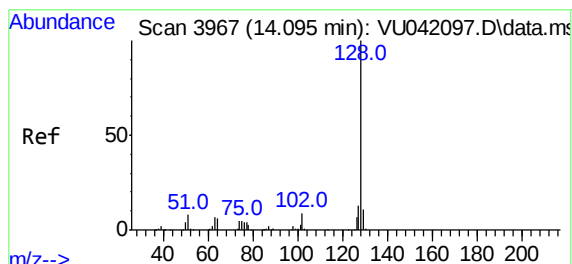
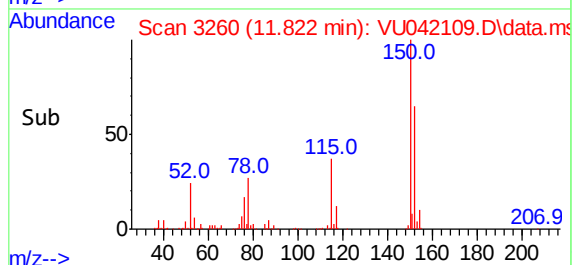
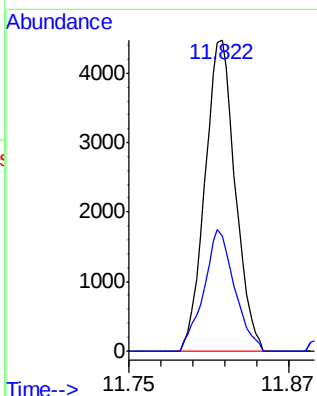
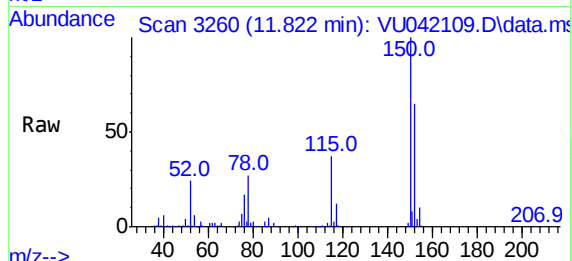




#59
1,2,3-Trichloropropane
Concen: 1.05 ug/L
RT: 11.822 min Scan# 3260
Delta R.T. 0.990 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

Instrument :
MSVOA_U
ClientSampled :
BFXT3

Tgt Ion: 75 Resp: 7135
Ion Ratio Lower Upper
75 100
77 39.6 26.0 39.0#



#69
Naphthalene
Concen: 0.08 ug/L
RT: 14.098 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VU042109.D
Acq: 20 Jan 2021 16:36

Tgt Ion:128 Resp: 1395
Ion Ratio Lower Upper
128 100
129 6.5 8.7 13.1#
127 8.9 10.6 15.8#

