

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012121\
 Data File : VU042153.D
 Acq On : 21 Jan 2021 16:10
 Operator : SY/MD
 Sample : M1170-17
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT97

Quant Time: Jan 22 02:50:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 22 02:43:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	123966	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	115089	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.822	152	59353	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	29576	3.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.00%
7) Chloroethane-d5	1.916	69	24966	3.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.60%
11) 1,1-Dichloroethene-d2	2.568	63	51995	2.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.00%#
20) 2-Butanone-d5	4.652	46	131937	45.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.44%
24) Chloroform-d	5.073	84	67411	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.80%
26) 1,2-Dichloroethane-d4	5.710	65	42379	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
32) Benzene-d6	5.735	84	127202	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	6.700	67	41480	4.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.60%
41) Toluene-d8	7.906	98	114324	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloroprop...	8.186	79	19799	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.645	63	97165	45.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.84%
57) 1,1,2,2-Tetrachloroeth...	10.767	84	35800	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.20%
64) 1,2-Dichlorobenzene-d4	12.201	152	47448	4.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%
Target Compounds						Qvalue
3) Chloromethane	1.520	50	3641	0.35	ug/L	98
13) Acetone	2.668	43	11956	6.15	ug/L	85
14) Carbon disulfide	2.793	76	1731	0.06	ug/L #	75
15) Methyl Acetate	2.961	43	3190	0.70	ug/L #	89
17) Methyl tert-butyl Ether	3.372	73	9446	0.39	ug/L	94
21) 2-Butanone	4.732	43	18661	5.73	ug/L	99
25) Chloroform	5.099	83	11365	0.67	ug/L	99
27) 1,2-Dichloroethane	5.739	62	710	0.06	ug/L #	75
33) Benzene	5.777	78	1572	0.05	ug/L	100
34) Trichloroethene	6.549	95	179808	19.69	ug/L	99
35) Methylcyclohexane	6.700	83	9862	0.64	ug/L #	15
37) 1,2-Dichloropropane	6.700	63	4776	0.54	ug/L #	87
38) Bromodichloromethane	7.115	83	7644	0.62	ug/L	96
39) cis-1,3-Dichloropropene	7.571	75	1447	0.10	ug/L #	65
40) 4-Methyl-2-pentanone	7.803	43	5817	0.76	ug/L #	80
42) Toluene	7.977	91	2537	0.07	ug/L	89
44) trans-1,3-Dichloropropene	8.189	75	974	0.07	ug/L #	69
47) Tetrachloroethene	8.562	164	4426	0.58	ug/L	94
48) 2-Hexanone	8.687	43	2472	0.47	ug/L #	78
49) Dibromochloromethane	8.816	129	4541	0.52	ug/L	98

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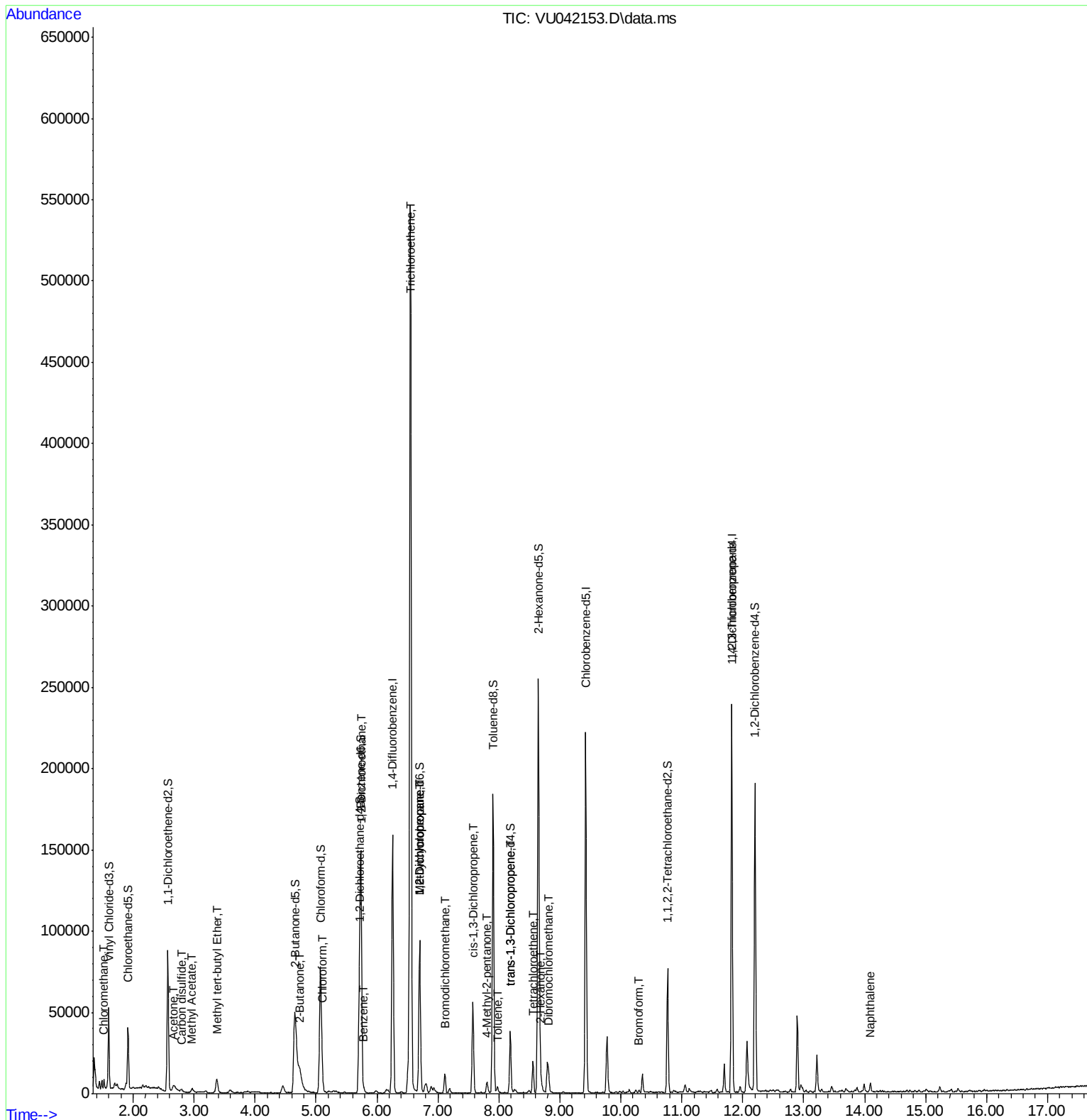
Instrument :
MSVOA_U
ClientSampleId :
BFT97

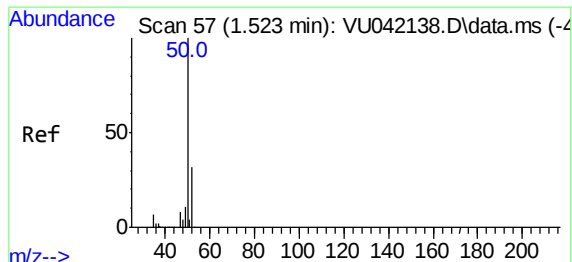
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 22 02:43:44 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.819	75	6619	1.05	ug/L	91
61) Bromoform	10.295	173	845	0.16	ug/L #	84
69) Naphthalene	14.092	128	4569	0.27	ug/L #	94

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

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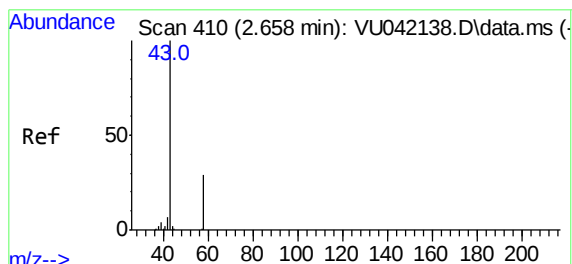
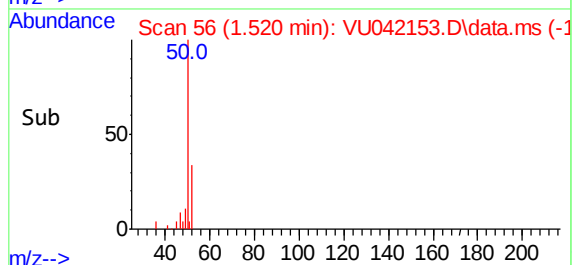
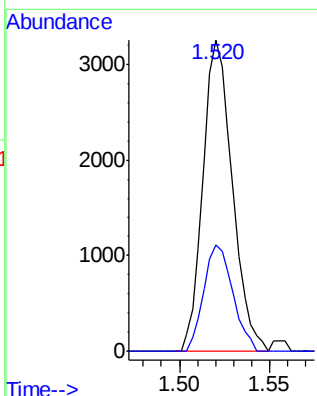
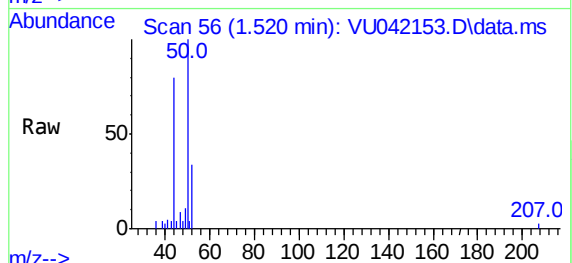




#3
Chloromethane
Concen: 0.35 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU042153.D
Acq: 21 Jan 2021 16:10

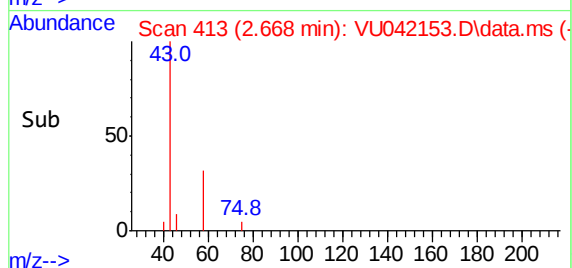
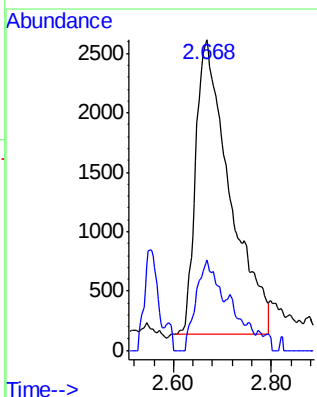
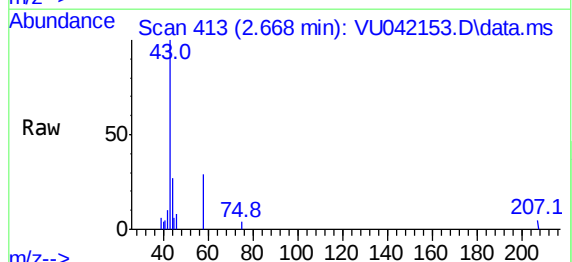
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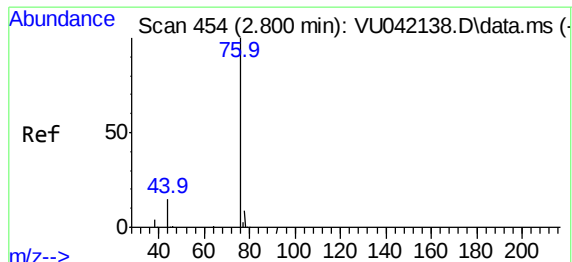
Tgt Ion: 50 Resp: 3641
Ion Ratio Lower Upper
50 100
52 34.1 23.0 42.8



#13
Acetone
Concen: 6.15 ug/L
RT: 2.668 min Scan# 413
Delta R.T. 0.010 min
Lab File: VU042153.D
Acq: 21 Jan 2021 16:10

Tgt Ion: 43 Resp: 11956
Ion Ratio Lower Upper
43 100
58 20.2 0.0 55.8





#14

Carbon disulfide

Concen: 0.06 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.006 min

Lab File: VU042153.D

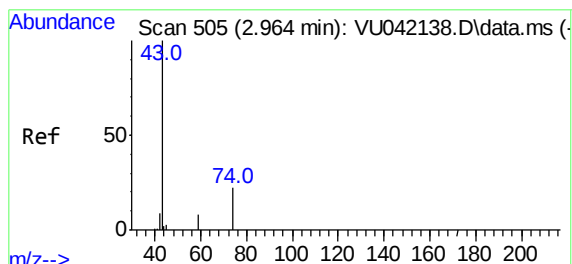
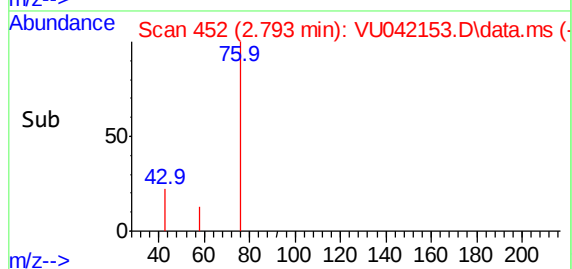
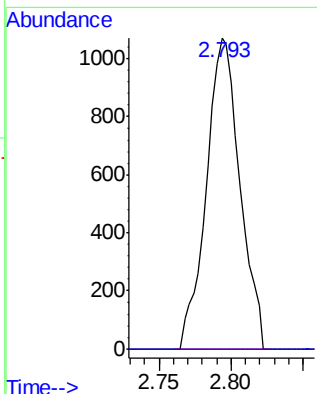
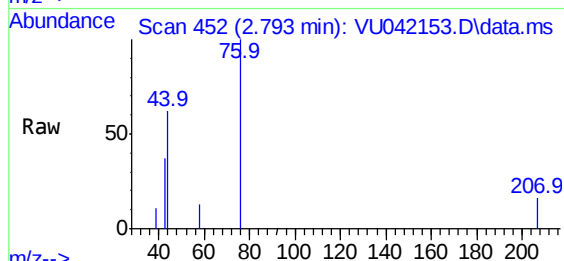
Acq: 21 Jan 2021 16:10

Tgt Ion: 76 Resp: 1731

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



#15

Methyl Acetate

Concen: 0.70 ug/L

RT: 2.961 min Scan# 504

Delta R.T. -0.003 min

Lab File: VU042153.D

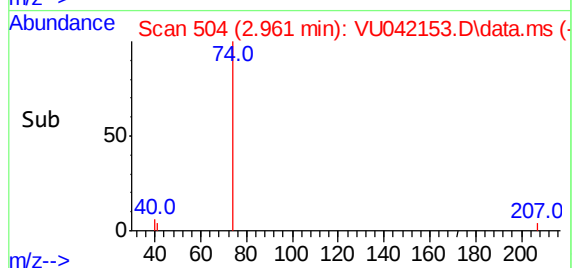
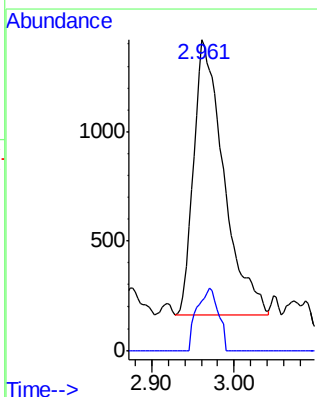
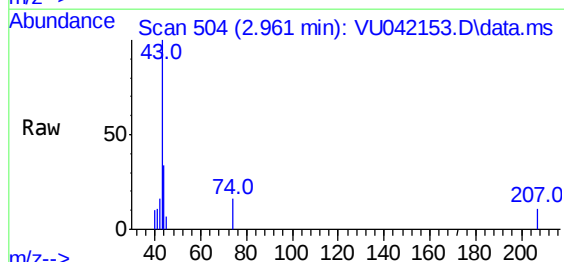
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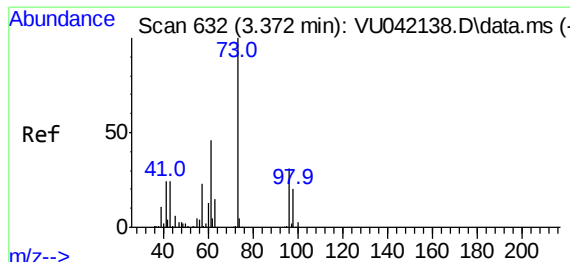
Tgt Ion: 43 Resp: 3190

Ion Ratio Lower Upper

43 100

74 16.1 16.9 25.3#





#17

Methyl tert-butyl Ether

Concen: 0.39 ug/L

RT: 3.372 min Scan# 632

Delta R.T. 0.000 min

Lab File: VU042153.D

Acq: 21 Jan 2021 16:10

Tgt Ion: 73 Resp: 9446

Ion Ratio Lower Upper

73 100

43 27.9 18.9 28.3

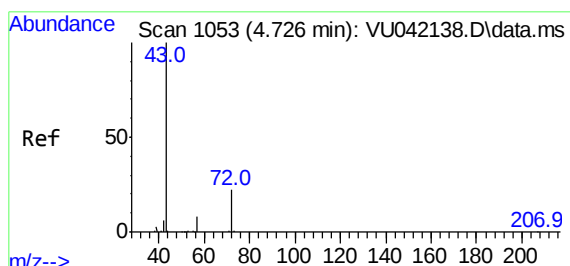
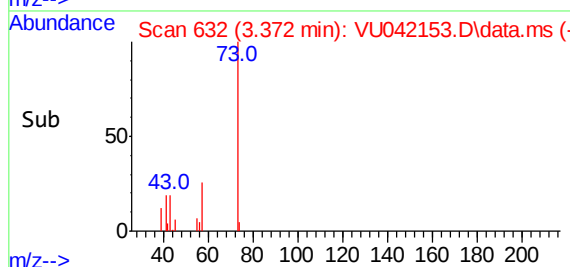
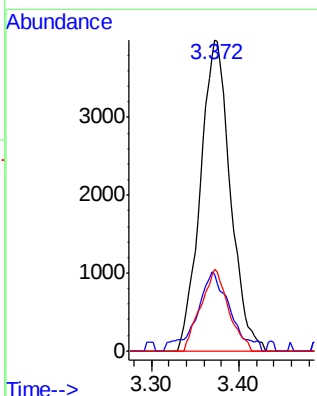
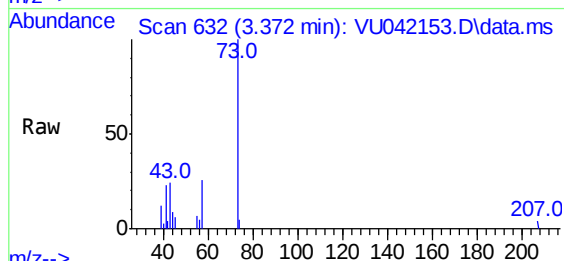
57 24.1 18.2 27.4

Instrument :

MSVOA_U

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#21

2-Butanone

Concen: 5.73 ug/L

RT: 4.732 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VU042153.D

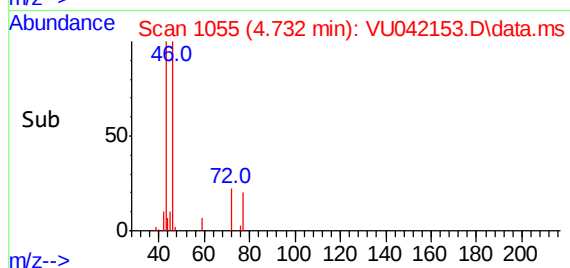
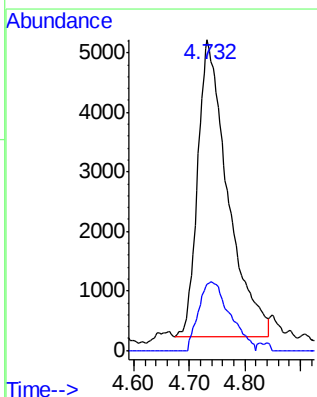
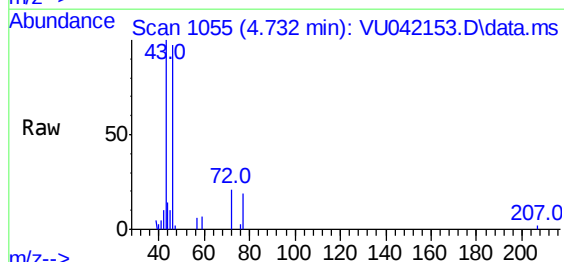
Acq: 21 Jan 2021 16:10

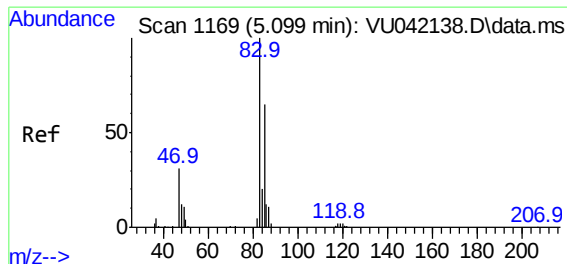
Tgt Ion: 43 Resp: 18661

Ion Ratio Lower Upper

43 100

72 24.1 11.7 35.1

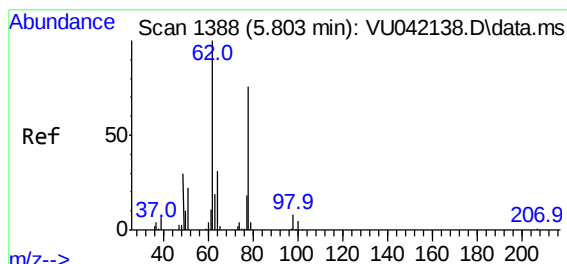
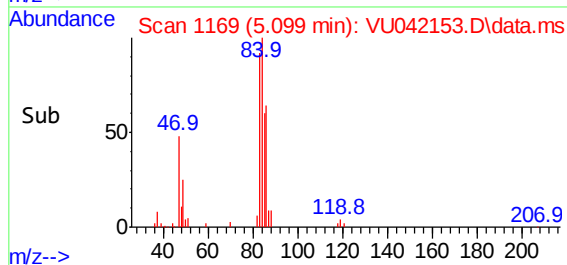
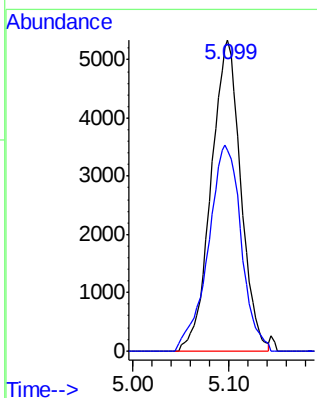
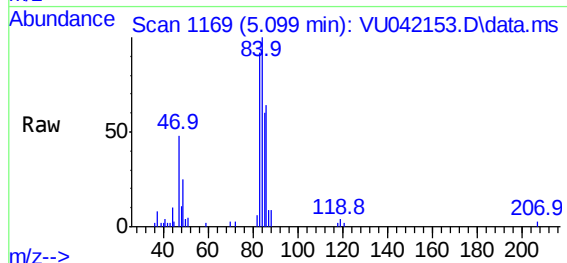




#25
Chloroform
Concen: 0.67 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VU042153.D
Acq: 21 Jan 2021 16:10

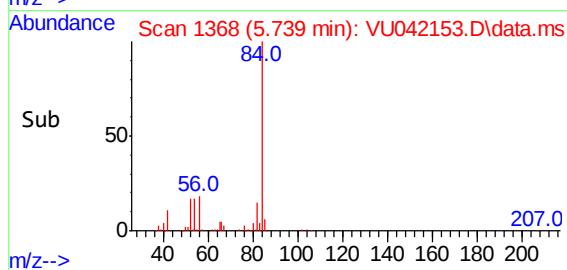
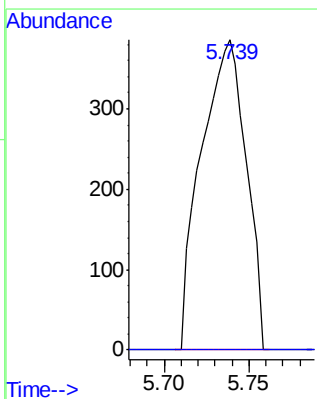
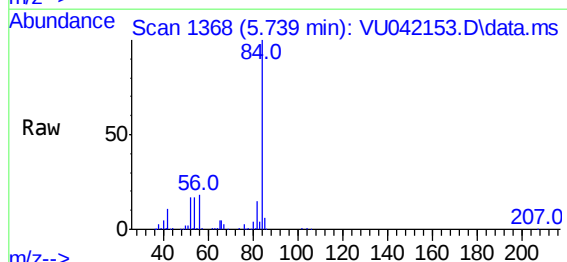
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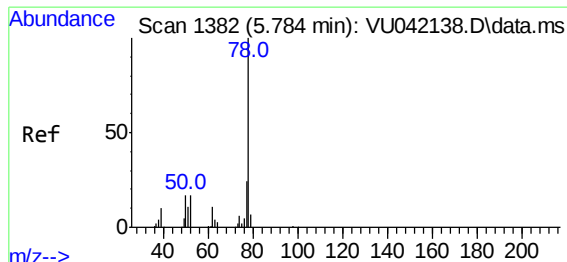
Tgt Ion: 83 Resp: 11365
Ion Ratio Lower Upper
83 100
85 64.8 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.06 ug/L
RT: 5.739 min Scan# 1368
Delta R.T. -0.064 min
Lab File: VU042153.D
Acq: 21 Jan 2021 16:10

Tgt Ion: 62 Resp: 710
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#

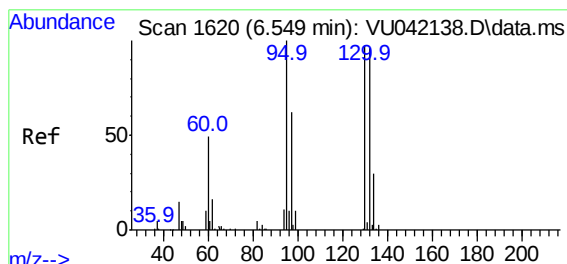
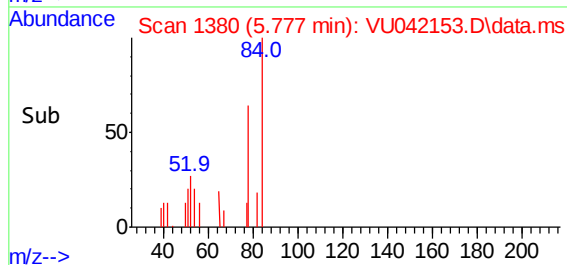
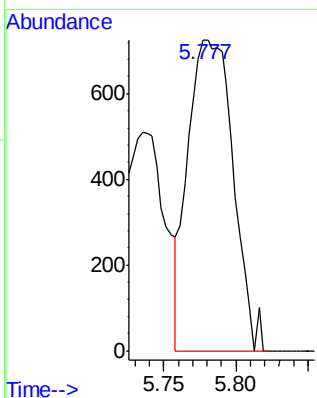
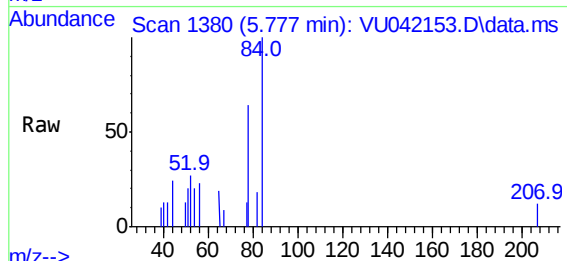




#33
Benzene
Concen: 0.05 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VU042153.D
Acq: 21 Jan 2021 16:10

Instrument :
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ClientSampleId :
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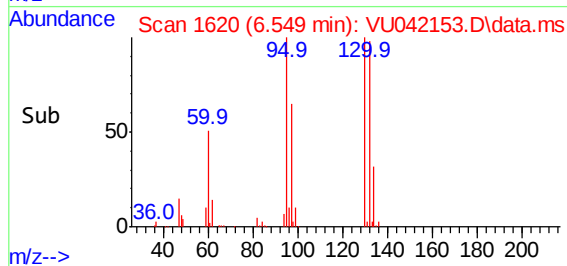
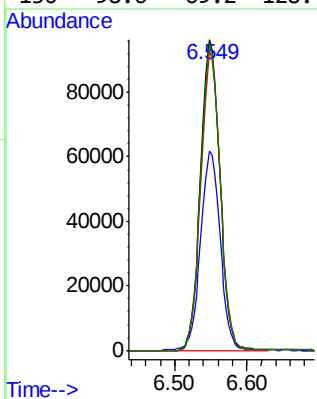
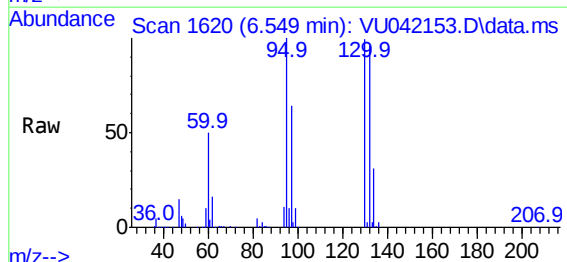
Tgt Ion: 78 Resp: 1572

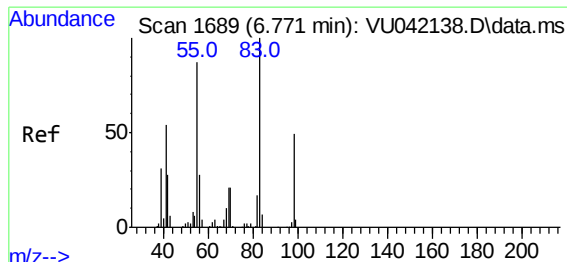


#34
Trichloroethene
Concen: 19.69 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VU042153.D
Acq: 21 Jan 2021 16:10

Tgt Ion: 95 Resp: 179808

Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.4	82.4
132	96.2	68.0	126.4
130	98.6	69.2	128.4

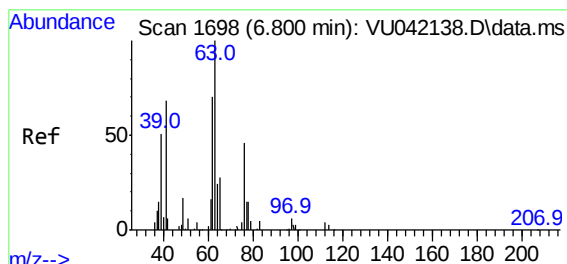
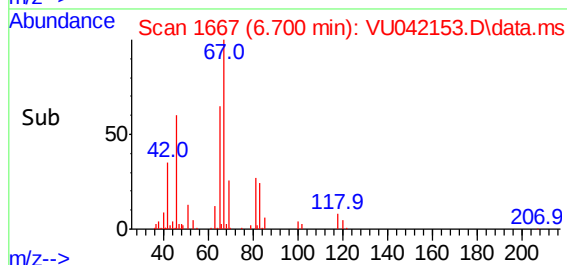
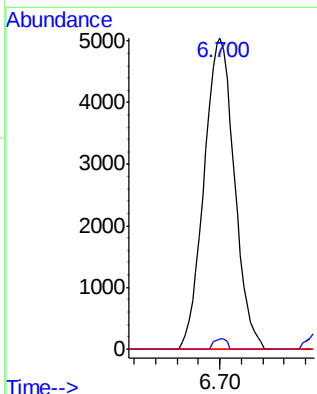
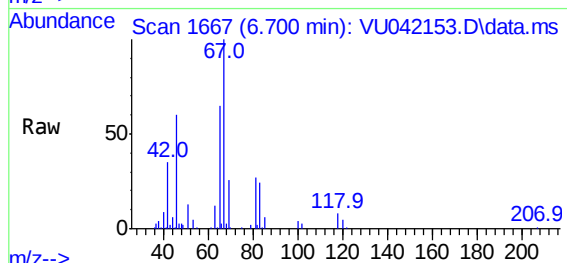




#35
Methylcyclohexane
Concen: 0.64 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042153.D
Acq: 21 Jan 2021 16:10

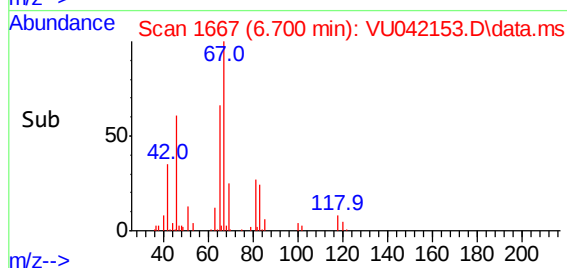
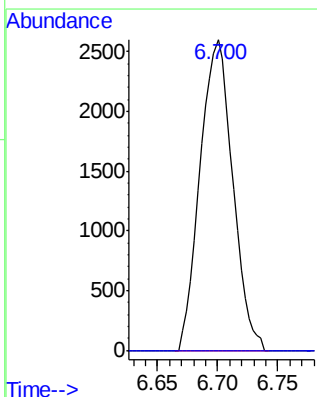
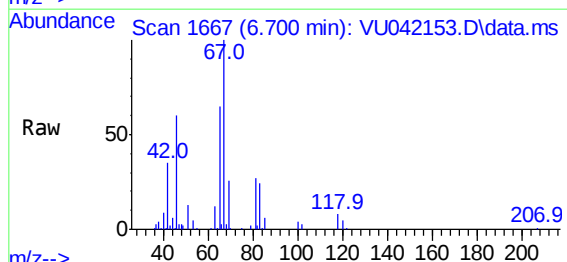
Instrument :
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ClientSampleId :
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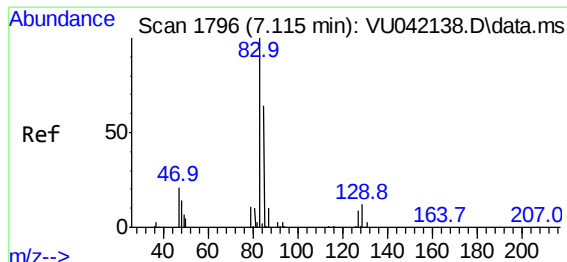
Tgt Ion: 83 Resp: 9862
Ion Ratio Lower Upper
83 100
55 1.4 68.2 102.4#
98 0.0 39.7 59.5#



#37
1,2-Dichloropropane
Concen: 0.54 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042153.D
Acq: 21 Jan 2021 16:10

Tgt Ion: 63 Resp: 4776
Ion Ratio Lower Upper
63 100
112 8.3 3.4 5.0#





#38

Bromodichloromethane

Concen: 0.62 ug/L

RT: 7.115 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VU042153.D

Acq: 21 Jan 2021 16:10

Tgt Ion: 83 Resp: 7644

Ion Ratio Lower Upper

83 100

85 62.4 46.0 85.4

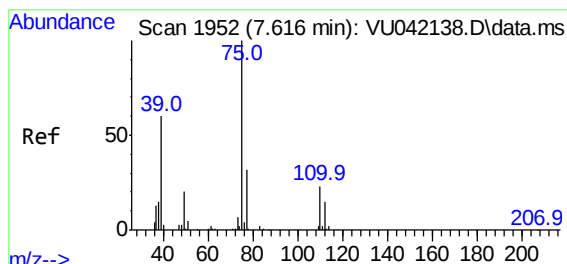
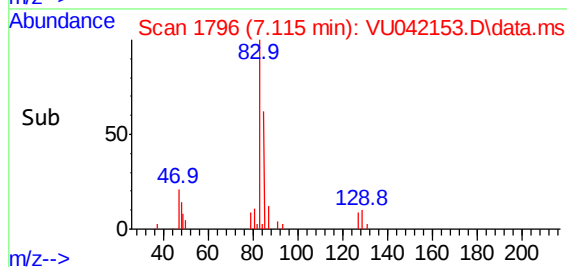
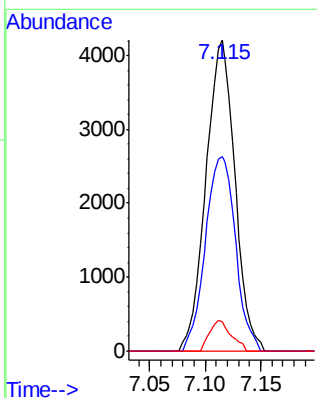
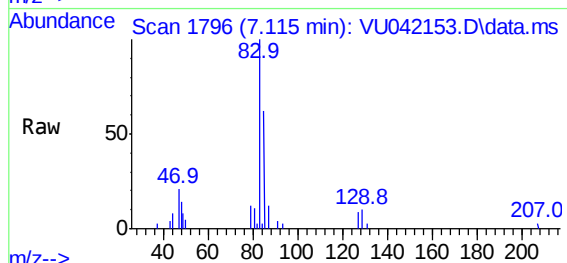
127 9.3 6.8 10.2

Instrument :

MSVOA_U

ClientSampleId :

BFT97



#39

cis-1,3-Dichloropropene

Concen: 0.10 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.045 min

Lab File: VU042153.D

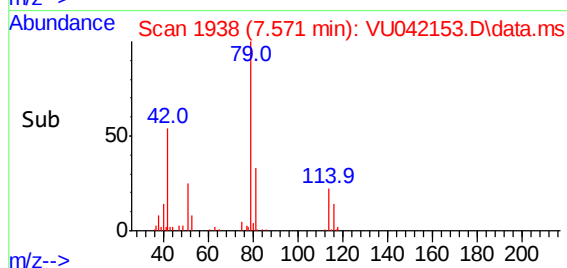
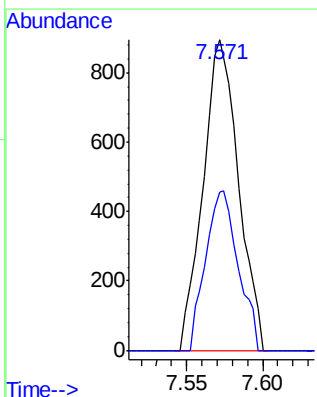
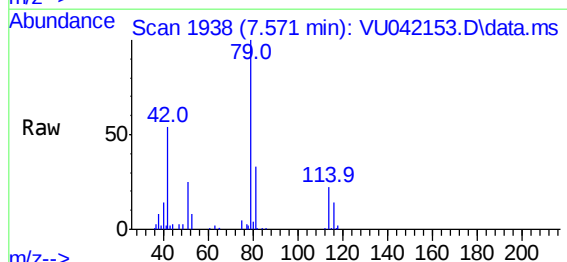
Acq: 21 Jan 2021 16:10

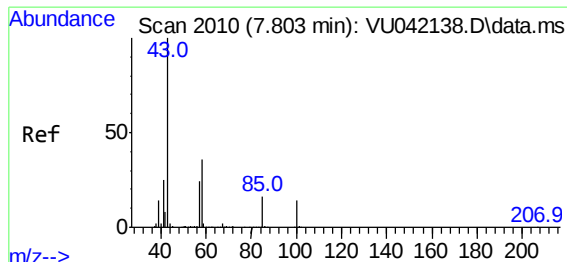
Tgt Ion: 75 Resp: 1447

Ion Ratio Lower Upper

75 100

77 50.9 22.0 40.8#

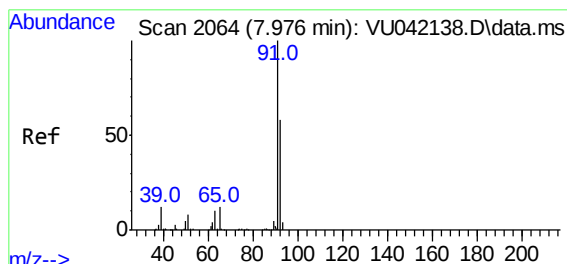
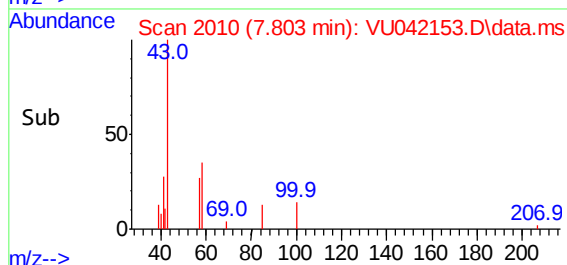
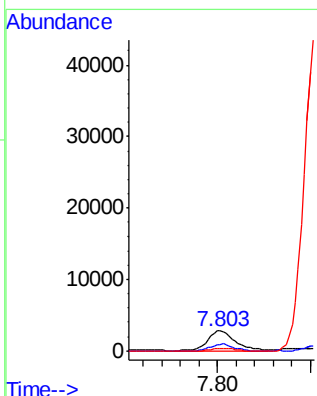
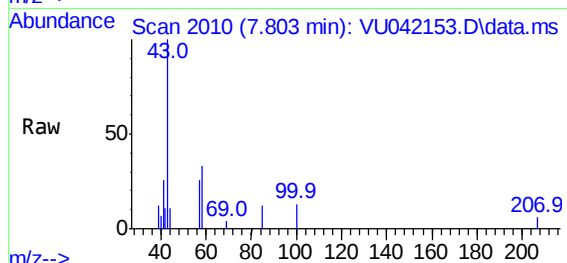




#40
4-Methyl-2-pentanone
Concen: 0.76 ug/L
RT: 7.803 min Scan# 2010
Delta R.T. 0.000 min
Lab File: VU042153.D
Acq: 21 Jan 2021 16:10

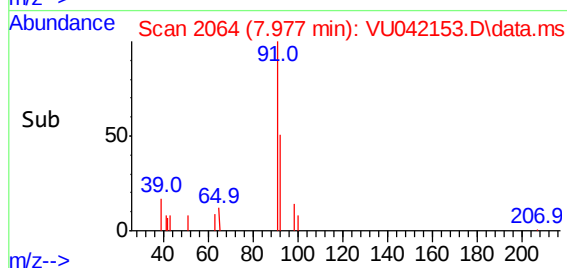
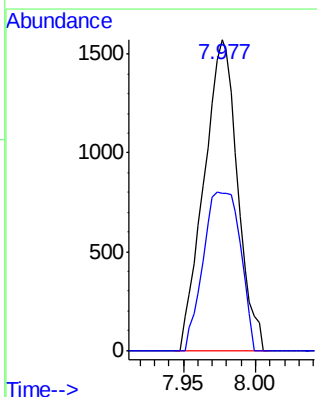
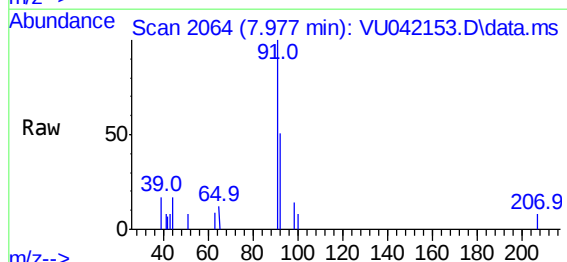
Instrument :
MSVOA_U
ClientSampleId :
BFT97

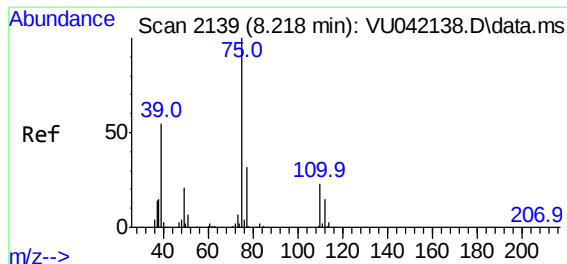
Tgt Ion: 43 Resp: 5817
Ion Ratio Lower Upper
43 100
58 28.0 29.1 43.7#
100 0.0 11.0 16.4#



#42
Toluene
Concen: 0.07 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU042153.D
Acq: 21 Jan 2021 16:10

Tgt Ion: 91 Resp: 2537
Ion Ratio Lower Upper
91 100
92 50.5 41.2 76.6



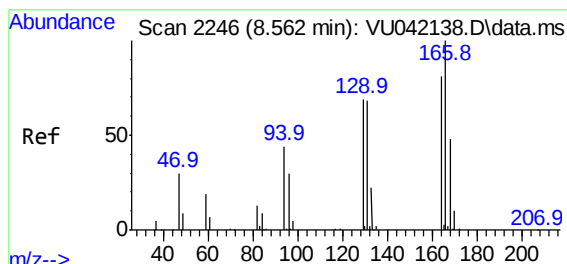
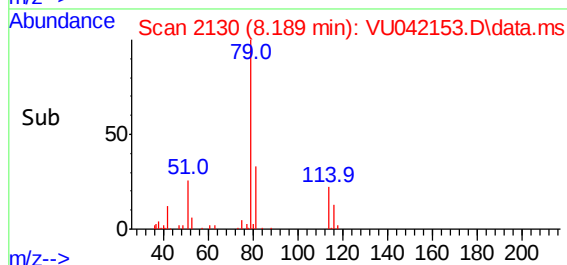
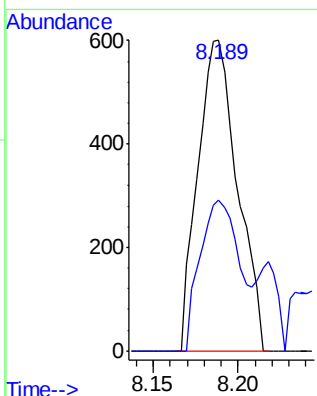
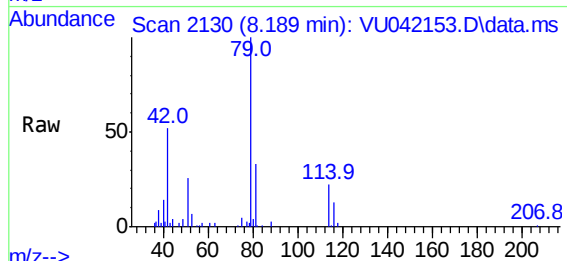


#44

trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.189 min Scan# 2130
Delta R.T. -0.029 min
Lab File: VU042153.D
Acq: 21 Jan 2021 16:10

Instrument :
MSVOA_U
ClientSampleId :
BFT97

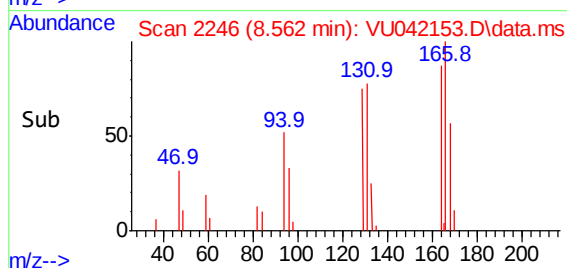
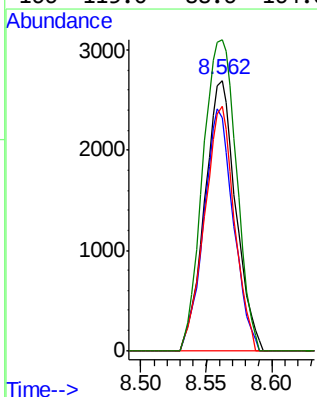
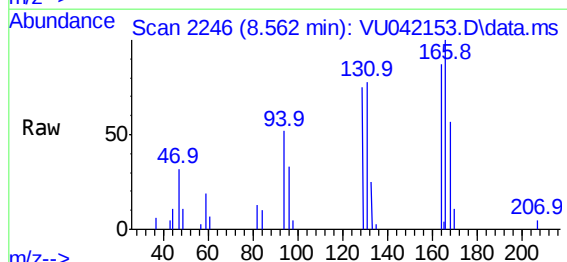
Tgt Ion: 75 Resp: 974
Ion Ratio Lower Upper
75 100
77 48.4 21.8 40.4#

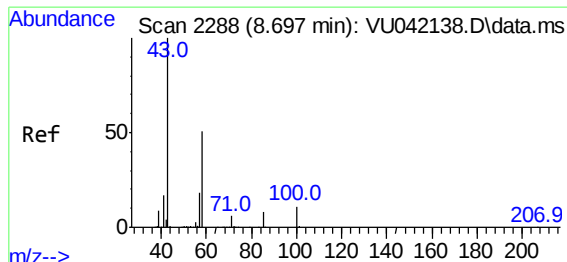


#47

Tetrachloroethene
Concen: 0.58 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.000 min
Lab File: VU042153.D
Acq: 21 Jan 2021 16:10

Tgt Ion: 164 Resp: 4426
Ion Ratio Lower Upper
164 100
129 85.9 64.3 119.5
131 90.3 62.2 115.6
166 115.0 88.6 164.6

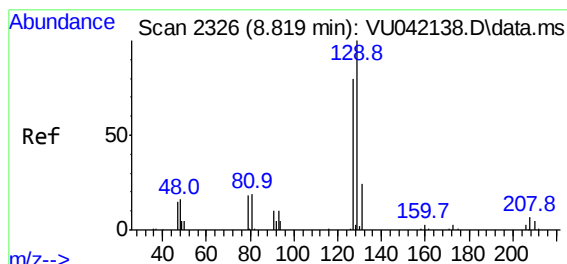
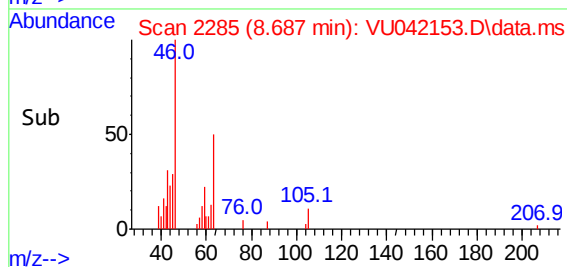
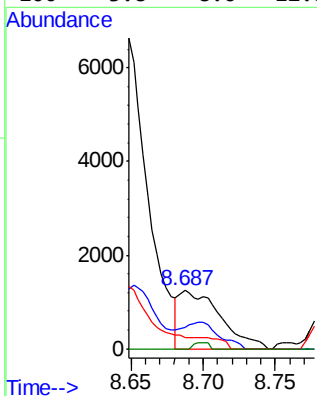
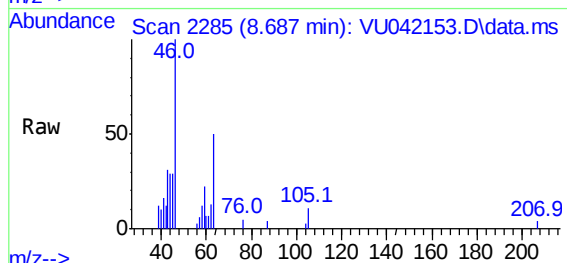




#48
2-Hexanone
Concen: 0.47 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. -0.010 min
Lab File: VU042153.D
Acq: 21 Jan 2021 16:10

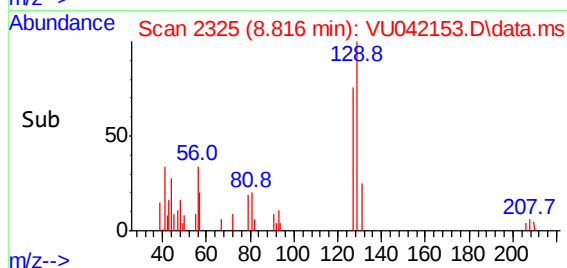
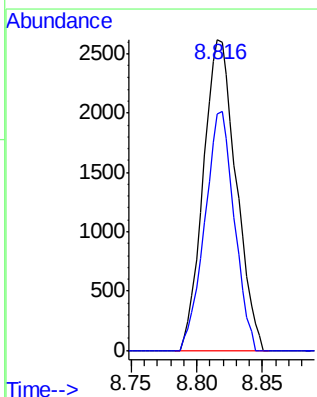
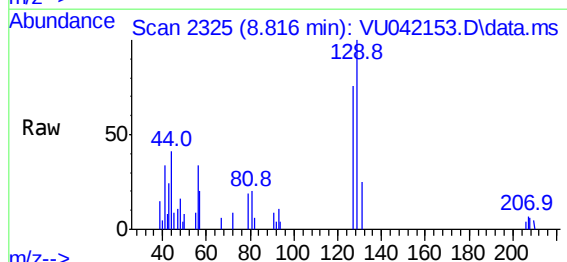
Instrument :
MSVOA_U
ClientSampleId :
BFT97

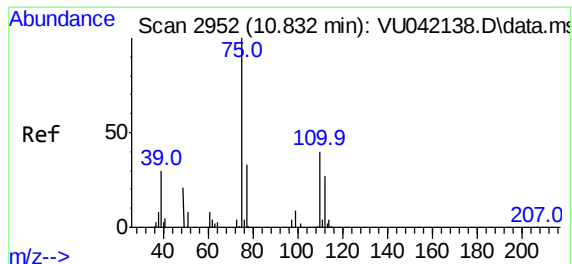
Tgt Ion: 43 Resp: 2472
Ion Ratio Lower Upper
43 100
58 39.6 40.6 61.0#
57 0.0 14.9 22.3#
100 3.8 8.6 12.8#



#49
Dibromochloromethane
Concen: 0.52 ug/L
RT: 8.816 min Scan# 2325
Delta R.T. -0.003 min
Lab File: VU042153.D
Acq: 21 Jan 2021 16:10

Tgt Ion: 129 Resp: 4541
Ion Ratio Lower Upper
129 100
127 76.2 52.3 97.1

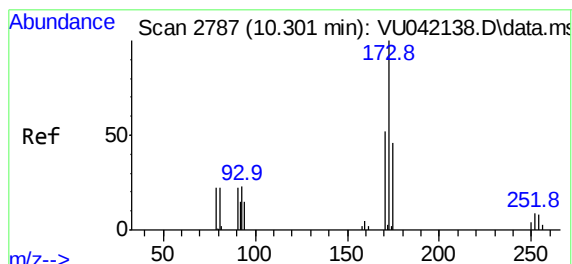
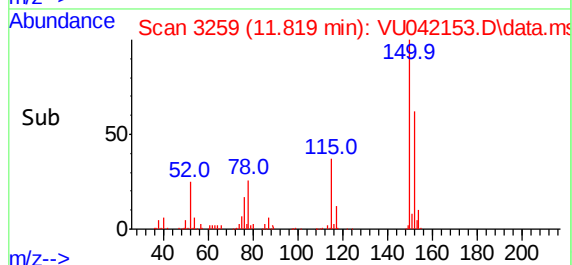
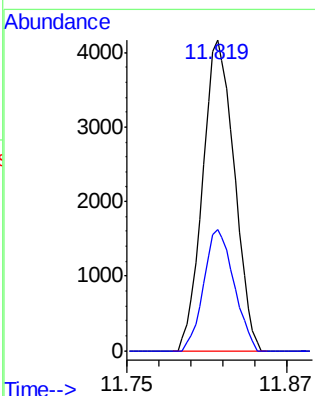
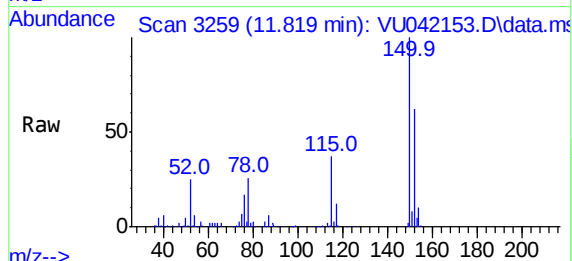




#59
1,2,3-Trichloropropane
Concen: 1.05 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042153.D
Acq: 21 Jan 2021 16:10

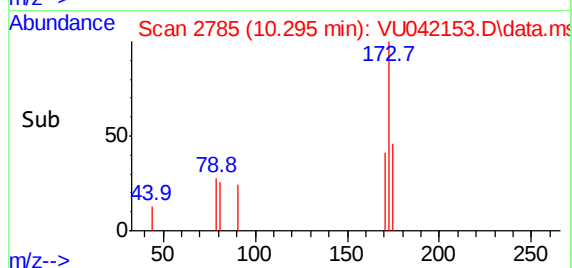
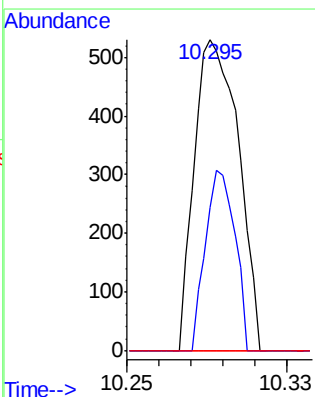
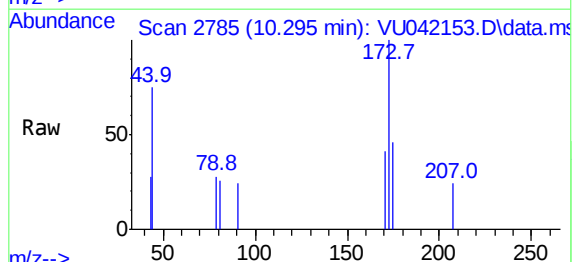
Instrument :
MSVOA_U
ClientSampleId :
BFT97

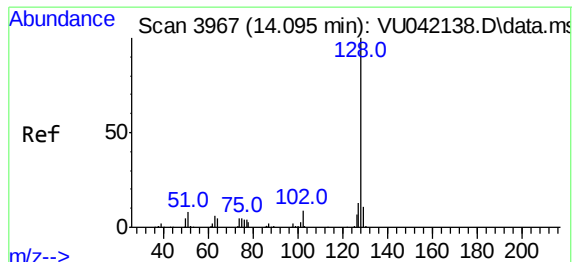
Tgt Ion: 75 Resp: 6619
Ion Ratio Lower Upper
75 100
77 37.3 26.0 39.0



#61
Bromoform
Concen: 0.16 ug/L
RT: 10.295 min Scan# 2785
Delta R.T. -0.006 min
Lab File: VU042153.D
Acq: 21 Jan 2021 16:10

Tgt Ion:173 Resp: 845
Ion Ratio Lower Upper
173 100
175 38.7 38.7 58.1#
254 0.0 7.9 11.9#





#69
Naphthalene
Concen: 0.27 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. -0.003 min
Lab File: VU042153.D
Acq: 21 Jan 2021 16:10

Instrument :
MSVOA_U
ClientSampleId :
BFT97

Tgt Ion:128 Resp: 4569
Ion Ratio Lower Upper
128 100
129 8.8 8.7 13.1
127 10.4 10.6 15.8#

