

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012021\
 Data File : VU042132.D
 Acq On : 21 Jan 2021 02:21
 Operator : SY/MD
 Sample : L1180-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E36

Quant Time: Jan 21 06:06:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 21 06:00:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	110259	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	102737	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	53768	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	34072	4.79	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 95.80%			
7) Chloroethane-d5	1.919	69	28234	4.93	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 98.60%			
11) 1,1-Dichloroethene-d2	2.572	63	58296	3.72	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 74.40%			
20) 2-Butanone-d5	4.649	46	145655	56.12	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 112.24%			
24) Chloroform-d	5.073	84	73601	4.96	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 99.20%			
26) 1,2-Dichloroethane-d4	5.713	65	46186	5.20	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 104.00%			
32) Benzene-d6	5.735	84	138508	5.16	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 103.20%			
36) 1,2-Dichloropropane-d6	6.700	67	45502	5.26	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 105.20%			
41) Toluene-d8	7.906	98	126464	4.99	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 99.80%			
43) trans-1,3-Dichloroprop...	8.186	79	21295	4.86	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 97.20%			
46) 2-Hexanone-d5	8.645	63	106386	55.71	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 111.42%			
57) 1,1,2,2-Tetrachloroeth...	10.764	84	39717	5.35	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 107.00%			
64) 1,2-Dichlorobenzene-d4	12.201	152	50581	5.24	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 104.80%			
Target Compounds						Qvalue
3) Chloromethane	1.523	50	1241	0.13	ug/L	91
5) Vinyl chloride	1.607	62	54714	6.17	ug/L	100
8) Chloroethane	1.938	64	461	0.09	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	379	0.05	ug/L #	18
12) 1,1-Dichloroethene	2.588	96	812	0.11	ug/L #	1
13) Acetone	2.658	43	2883	1.67	ug/L	93
14) Carbon disulfide	2.800	76	2302	0.09	ug/L #	75
17) Methyl tert-butyl Ether	3.372	73	127086	5.88	ug/L	100
18) trans-1,2-Dichloroethene	3.363	96	12687	1.60	ug/L	97
19) 1,1-Dichloroethane	3.874	63	930	0.06	ug/L #	84
22) cis-1,2-Dichloroethene	4.678	96	117913	13.91	ug/L	98
25) Chloroform	5.096	83	1151	0.08	ug/L	80
33) Benzene	5.784	78	20204	0.67	ug/L	100
34) Trichloroethene	6.552	95	2709	0.33	ug/L	96
35) Methylcyclohexane	6.700	83	11024	0.81	ug/L #	15
37) 1,2-Dichloropropane	6.700	63	5560	0.70	ug/L #	87
39) cis-1,3-Dichloropropene	7.571	75	1392	0.11	ug/L #	61
42) Toluene	7.977	91	3198	0.10	ug/L	99
44) trans-1,3-Dichloropropene	8.189	75	974	0.08	ug/L	95
47) Tetrachloroethene	8.559	164	11701	1.73	ug/L	98

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 QLast Update : Thu Jan 21 06:00:33 2021
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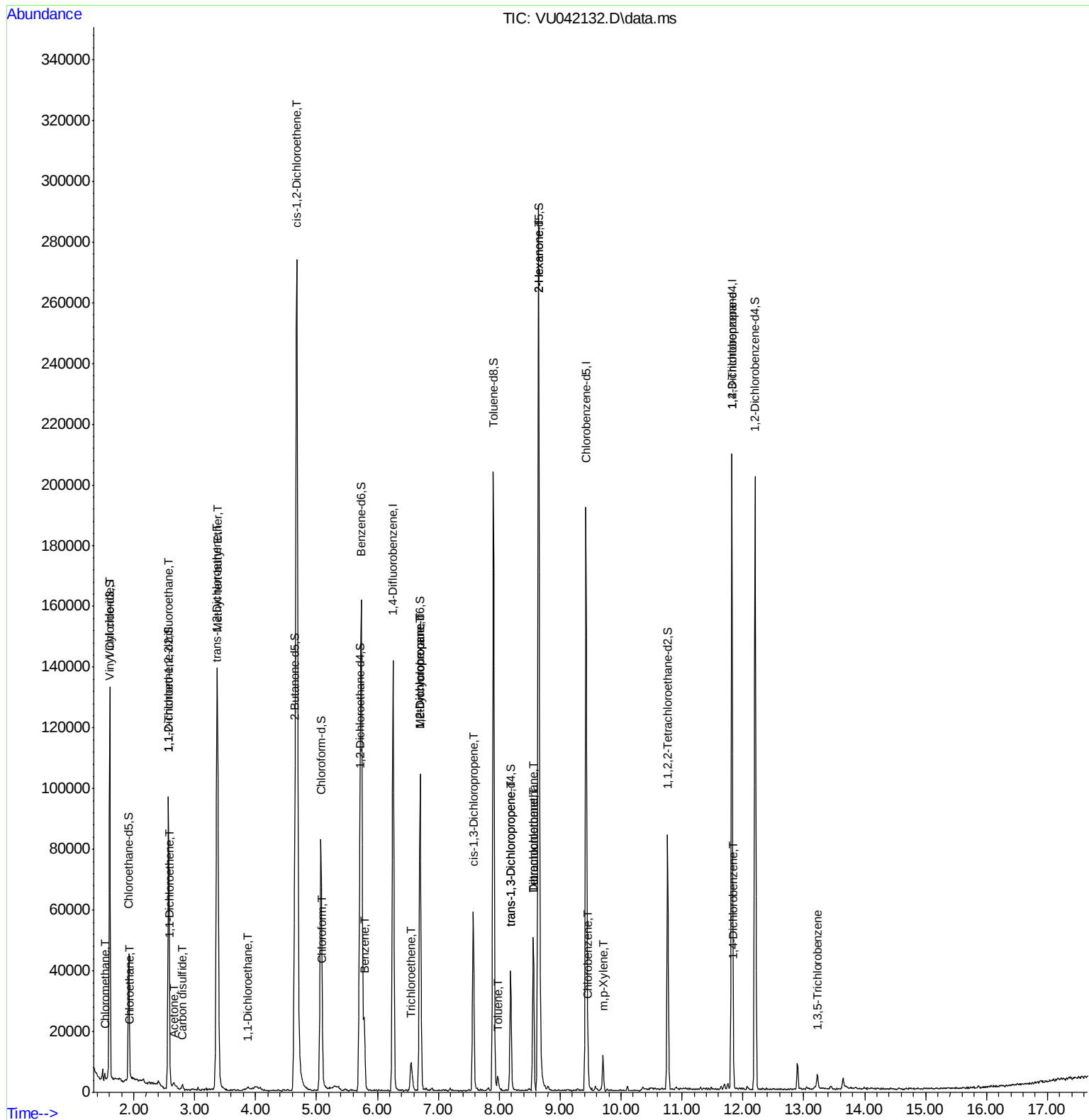
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.645	43	14471	3.06	ug/L #	69
49) Dibromochloromethane	8.562	129	10613	1.35	ug/L #	12
51) Chlorobenzene	9.456	112	4604	0.22	ug/L	99
53) m,p-Xylene	9.703	106	3166	0.23	ug/L	91
59) 1,2,3-Trichloropropane	11.819	75	6275	1.12	ug/L	96
63) 1,4-Dichlorobenzene	11.841	146	1024	0.06	ug/L	82
67) 1,3,5-Trichlorobenzene	13.227	180	968	0.07	ug/L #	87

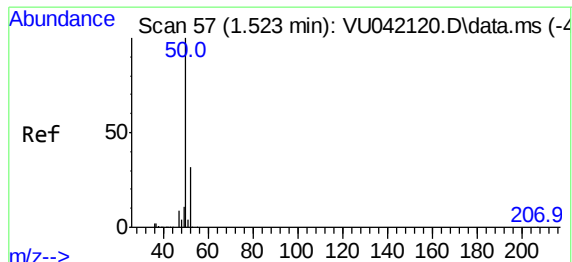
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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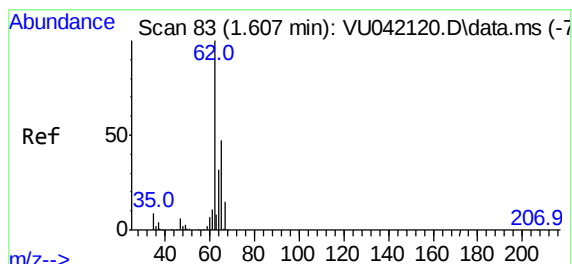
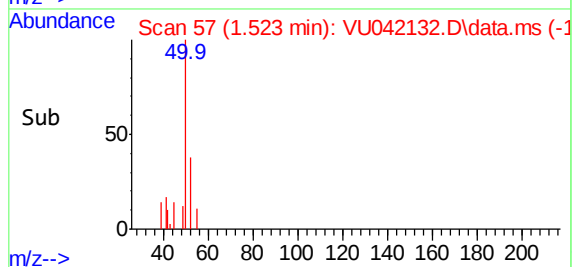
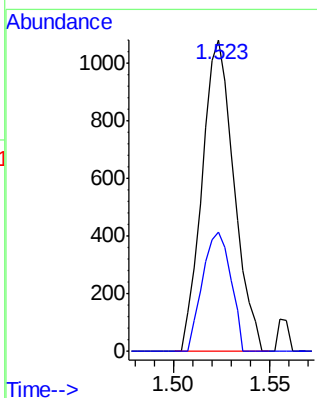
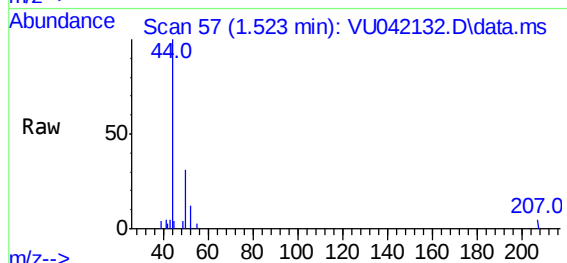




#3
Chloromethane
Concen: 0.13 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

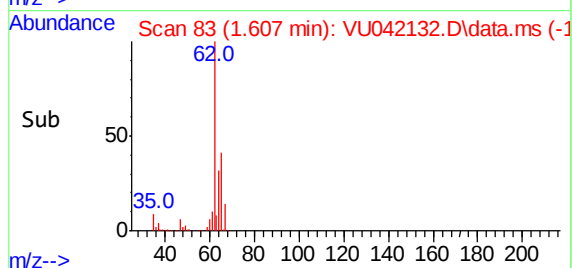
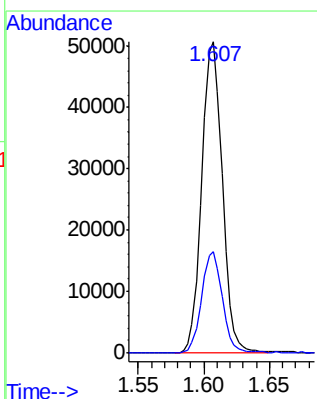
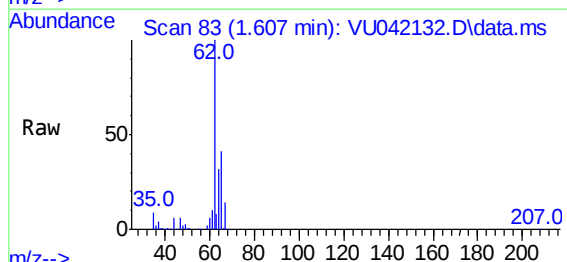
Instrument :
MSVOA_U
ClientSampleId :
F1E36

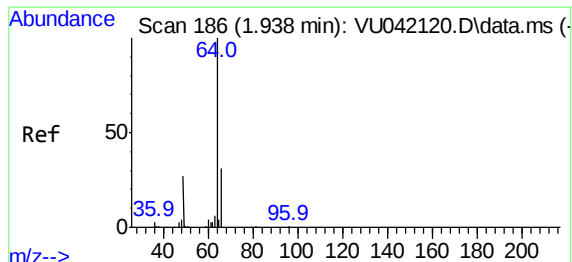
Tgt Ion: 50 Resp: 1241
Ion Ratio Lower Upper
50 100
52 38.2 23.0 42.8



#5
Vinyl chloride
Concen: 6.17 ug/L
RT: 1.607 min Scan# 83
Delta R.T. -0.000 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

Tgt Ion: 62 Resp: 54714
Ion Ratio Lower Upper
62 100
64 32.4 22.7 42.1

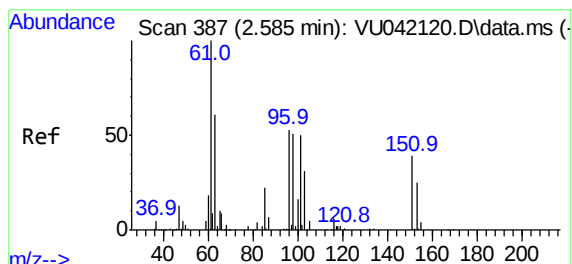
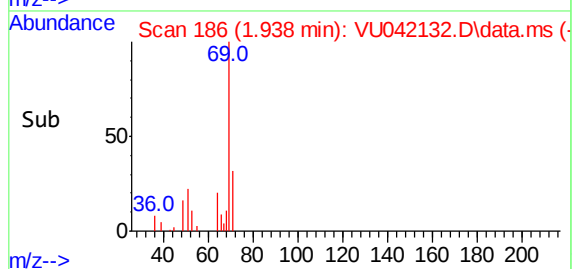
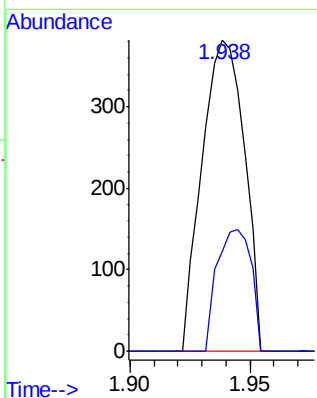
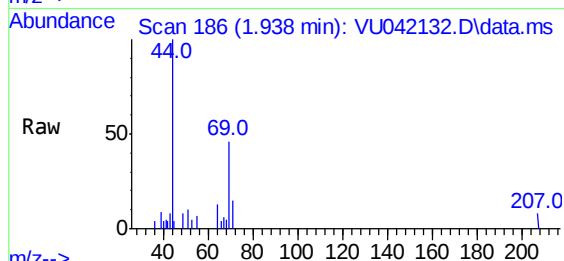




#8
Chloroethane
Concen: 0.09 ug/L
RT: 1.938 min Scan# 186
Delta R.T. -0.000 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

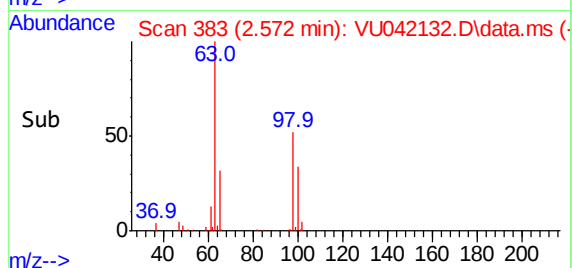
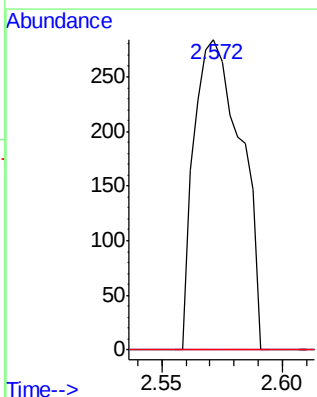
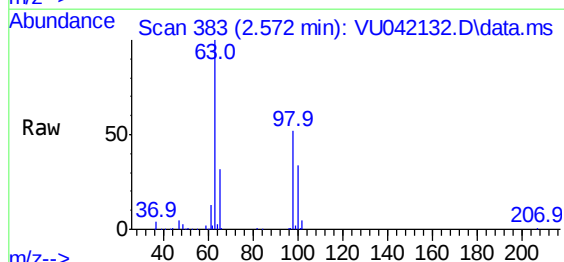
Instrument :
MSVOA_U
ClientSampleId :
F1E36

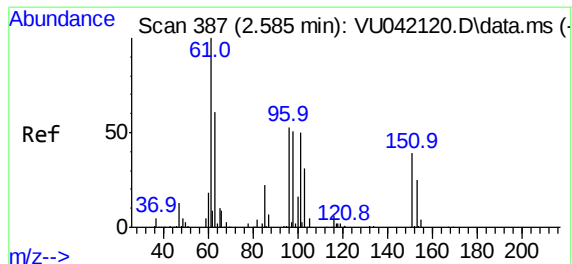
Tgt Ion: 64 Resp: 461
Ion Ratio Lower Upper
64 100
66 31.9 22.2 41.2



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.05 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.013 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

Tgt Ion:101 Resp: 379
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 62.7 94.1#

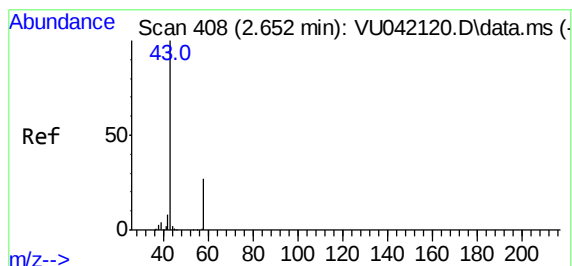
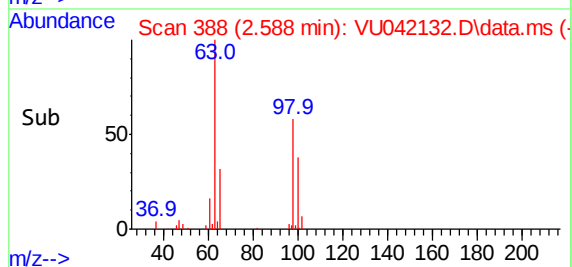
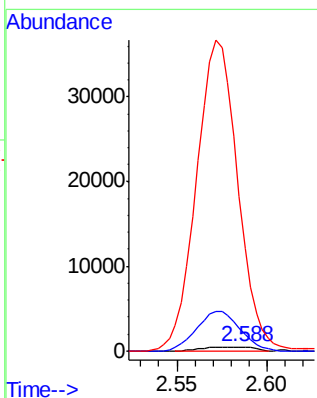
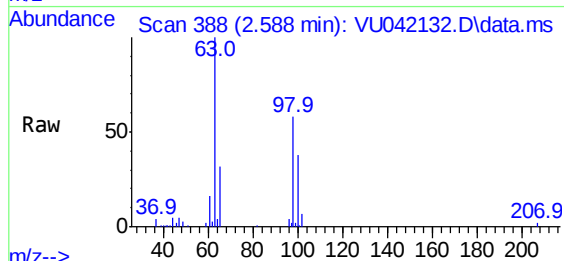




#12
1,1-Dichloroethene
Concen: 0.11 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.003 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

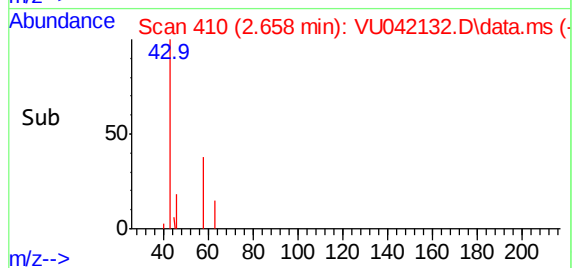
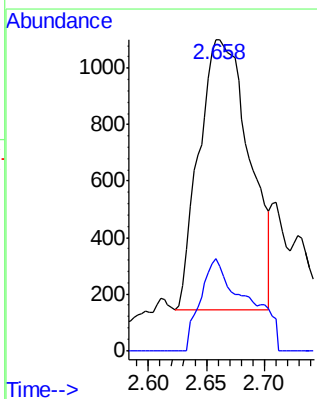
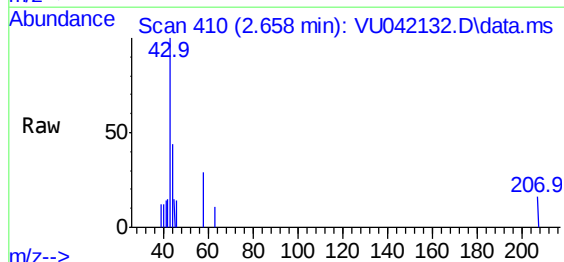
Instrument :
MSVOA_U
ClientSampleId :
F1E36

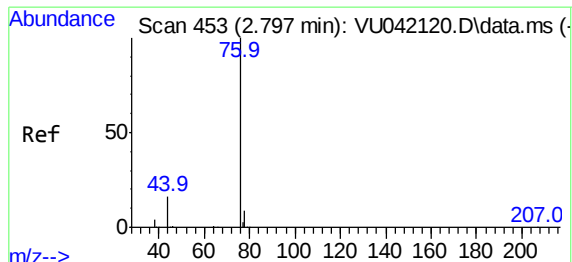
Tgt Ion: 96 Resp: 812
Ion Ratio Lower Upper
96 100
61 451.3 126.2 234.4#
63 2811.6 77.8 144.4#



#13
Acetone
Concen: 1.67 ug/L
RT: 2.658 min Scan# 410
Delta R.T. 0.006 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

Tgt Ion: 43 Resp: 2883
Ion Ratio Lower Upper
43 100
58 31.6 0.0 55.8





#14

Carbon disulfide

Concen: 0.09 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.003 min

Lab File: VU042132.D

Acq: 21 Jan 2021 02:21

Tgt Ion: 76 Resp: 2302

Ion Ratio Lower Upper

76 100

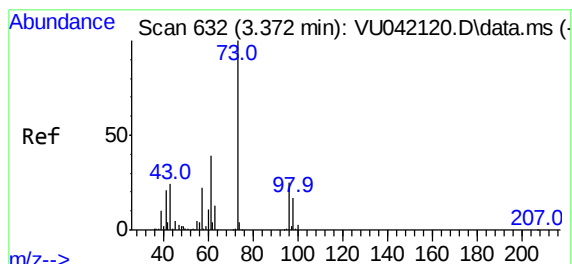
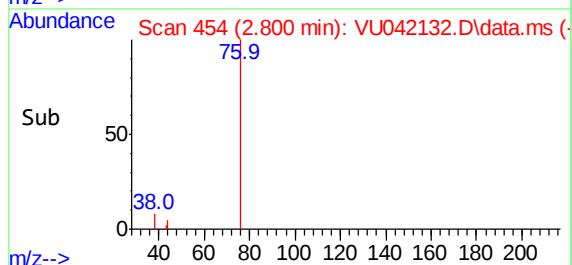
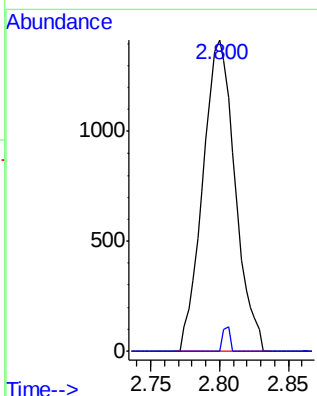
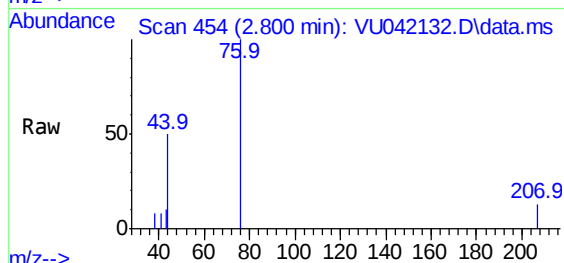
78 0.0 7.3 10.9#

Instrument :

MSVOA_U

ClientSampleId :

F1E36



#17

Methyl tert-butyl Ether

Concen: 5.88 ug/L

RT: 3.372 min Scan# 632

Delta R.T. -0.000 min

Lab File: VU042132.D

Acq: 21 Jan 2021 02:21

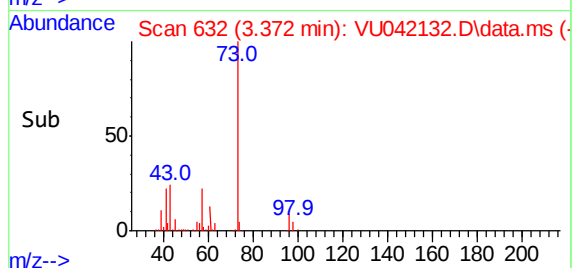
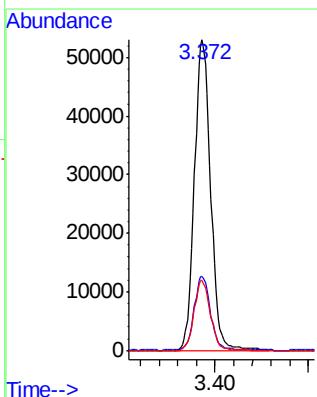
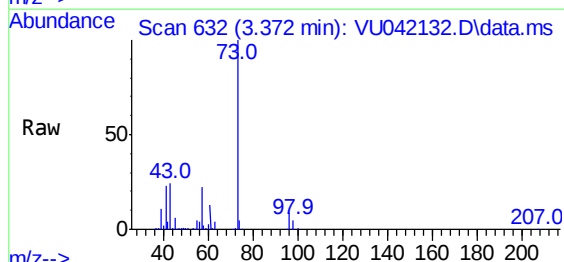
Tgt Ion: 73 Resp: 127086

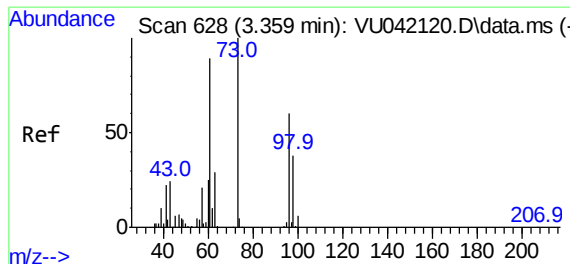
Ion Ratio Lower Upper

73 100

43 23.5 18.9 28.3

57 22.5 18.2 27.4

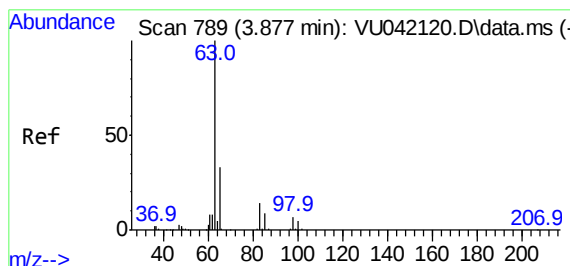
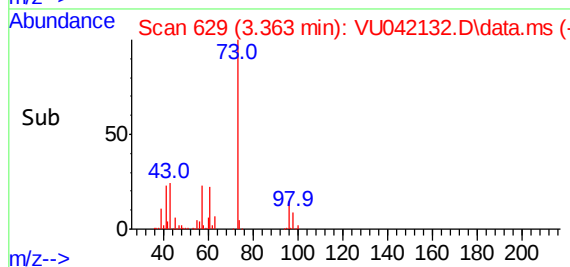
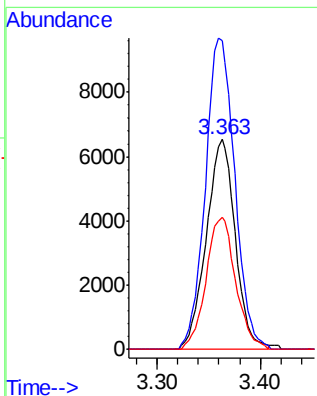
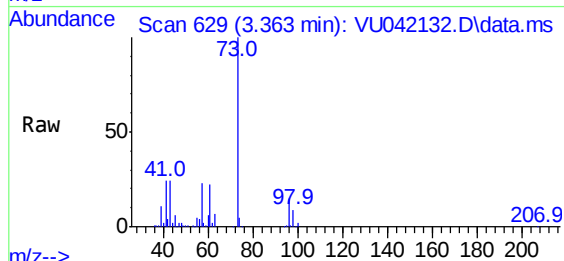




#18
trans-1,2-Dichloroethene
Concen: 1.60 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.003 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

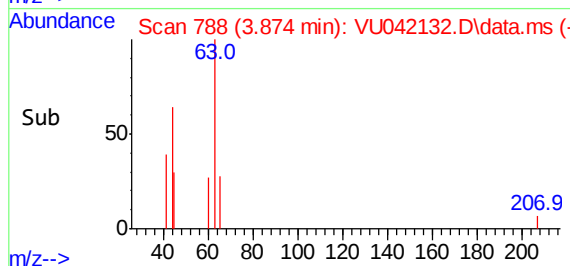
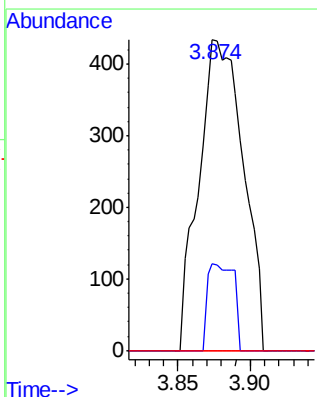
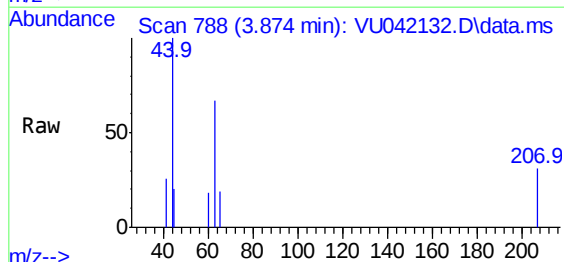
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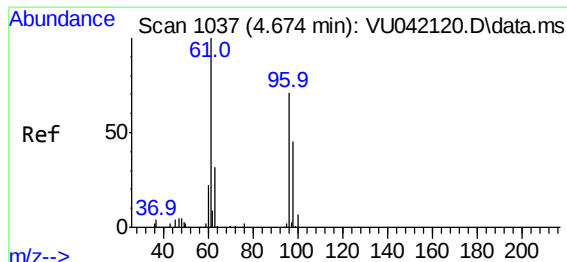
Tgt Ion: 96 Resp: 12687
Ion Ratio Lower Upper
96 100
61 146.9 105.7 196.3
98 62.9 42.8 79.6



#19
1,1-Dichloroethane
Concen: 0.06 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

Tgt Ion: 63 Resp: 930
Ion Ratio Lower Upper
63 100
65 28.1 22.5 41.9
83 0.0 10.1 18.7#



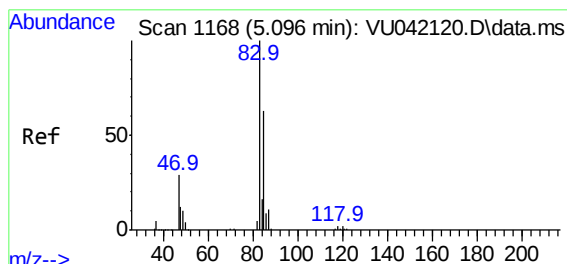
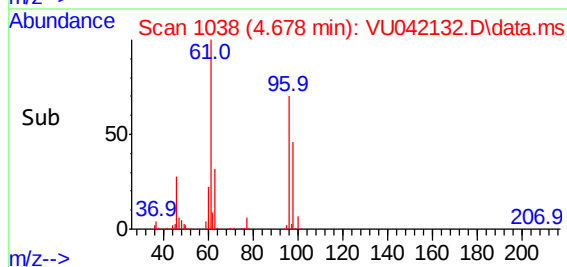
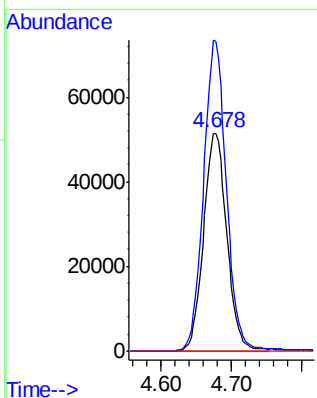
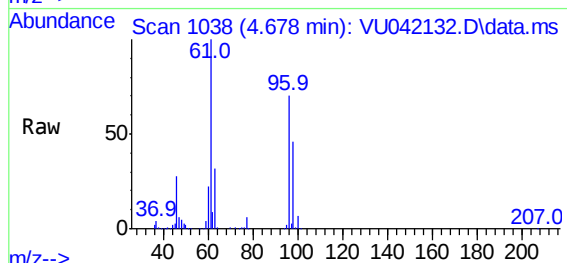


#22
 cis-1,2-Dichloroethene
 Concen: 13.91 ug/L
 RT: 4.678 min Scan# 1038
 Delta R.T. 0.003 min
 Lab File: VU042132.D
 Acq: 21 Jan 2021 02:21

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E36

Tgt Ion: 96 Resp: 117913

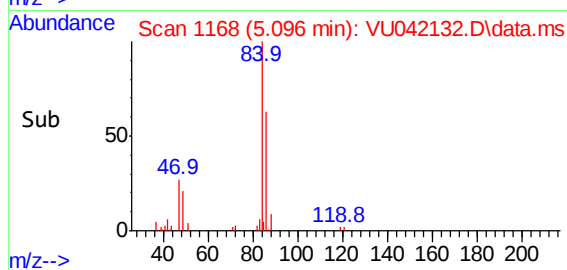
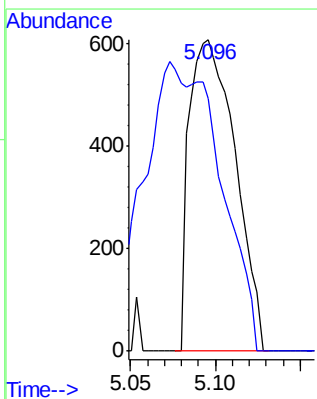
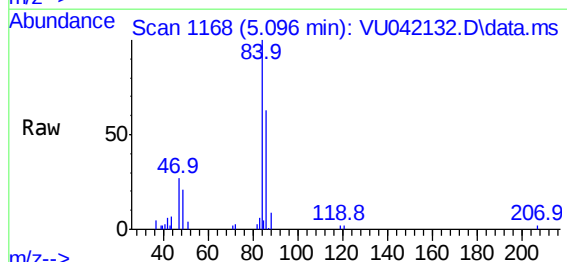
Ion	Ratio	Lower	Upper
96	100		
61	142.4	97.8	181.6
68	0.0	0.0	0.0

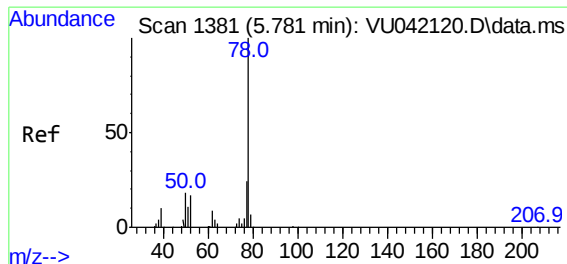


#25
 Chloroform
 Concen: 0.08 ug/L
 RT: 5.096 min Scan# 1168
 Delta R.T. -0.000 min
 Lab File: VU042132.D
 Acq: 21 Jan 2021 02:21

Tgt Ion: 83 Resp: 1151

Ion	Ratio	Lower	Upper
83	100		
85	81.3	45.7	84.9

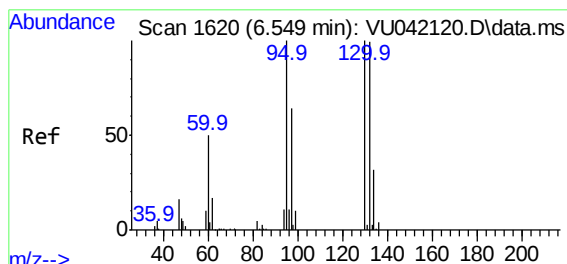
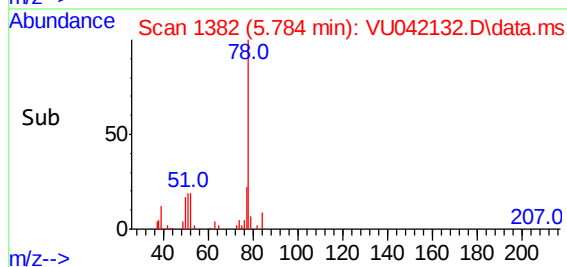
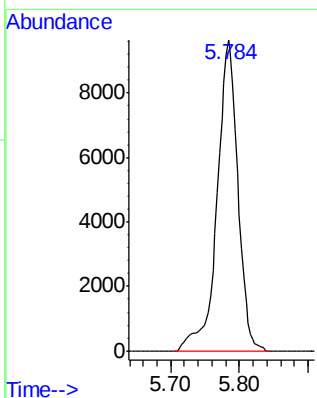
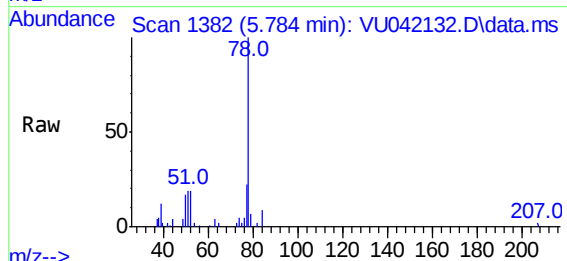




#33
Benzene
Concen: 0.67 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.003 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

Instrument :
MSVOA_U
ClientSampleId :
F1E36

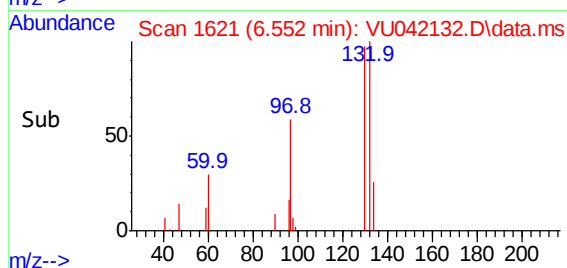
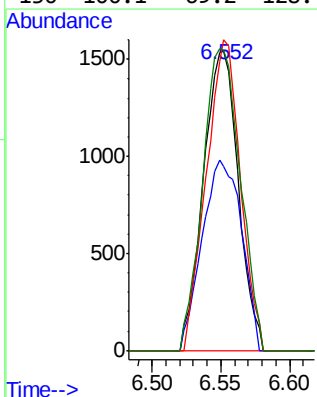
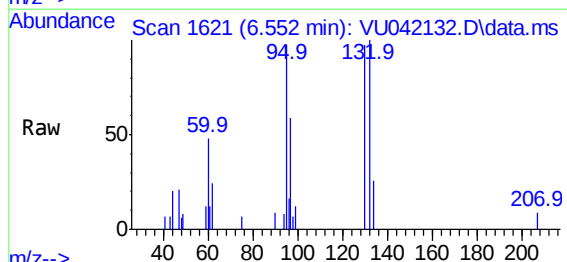
Tgt Ion: 78 Resp: 20204

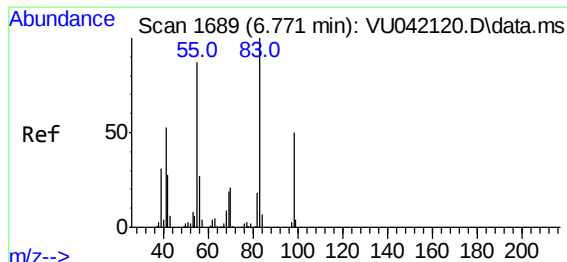


#34
Trichloroethene
Concen: 0.33 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.003 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

Tgt Ion: 95 Resp: 2709

Ion	Ratio	Lower	Upper
95	100		
97	61.4	44.4	82.4
132	103.6	68.0	126.4
130	100.1	69.2	128.4

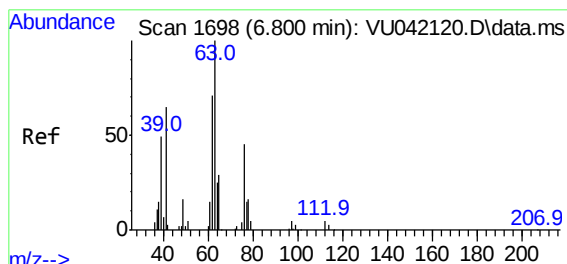
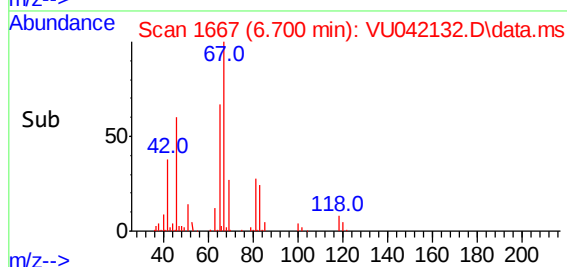
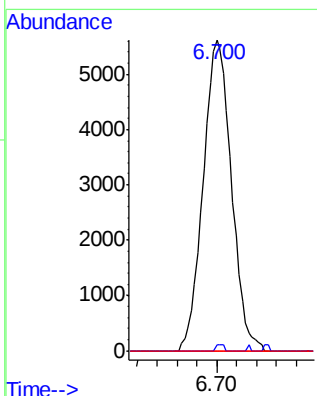
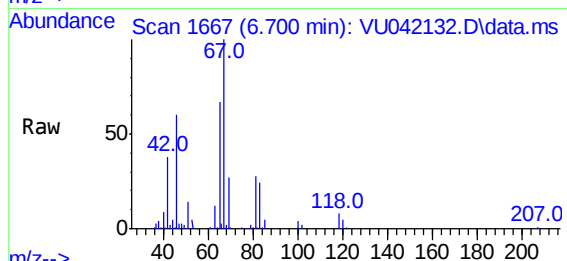




#35
Methylcyclohexane
Concen: 0.81 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

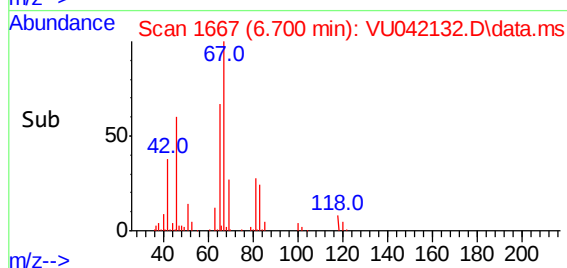
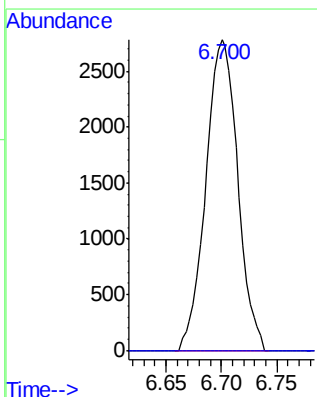
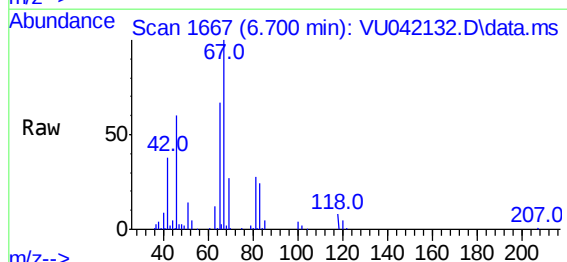
Instrument :
MSVOA_U
ClientSampleId :
F1E36

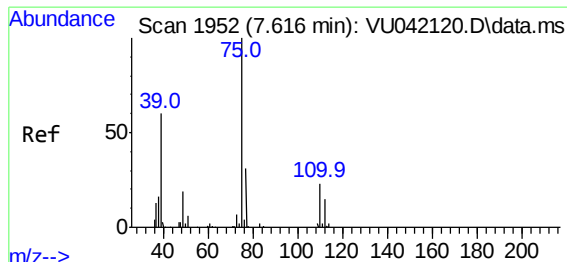
Tgt Ion: 83 Resp: 11024
Ion Ratio Lower Upper
83 100
55 0.6 68.2 102.4#
98 0.0 39.7 59.5#



#37
1,2-Dichloropropane
Concen: 0.70 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

Tgt Ion: 63 Resp: 5560
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

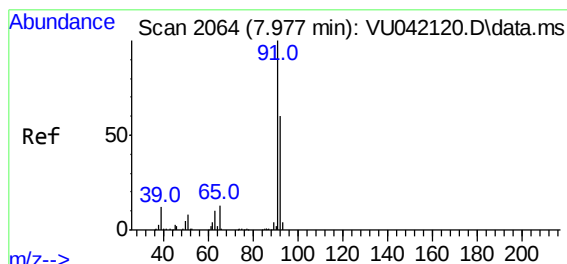
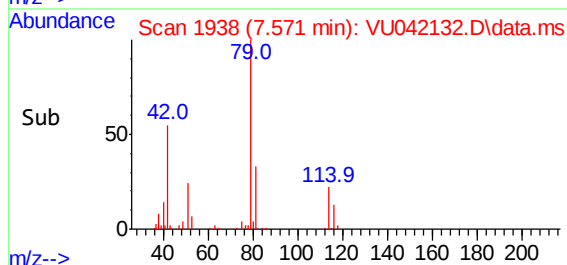
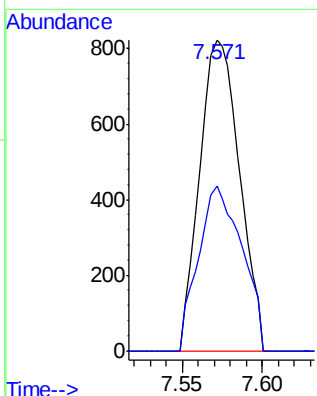
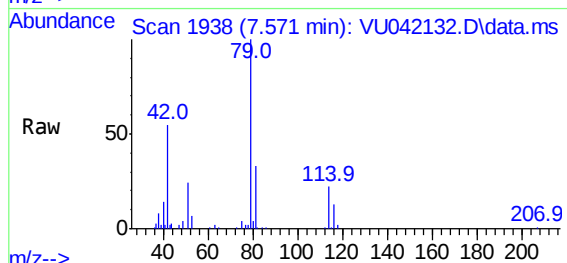




#39
cis-1,3-Dichloropropene
Concen: 0.11 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

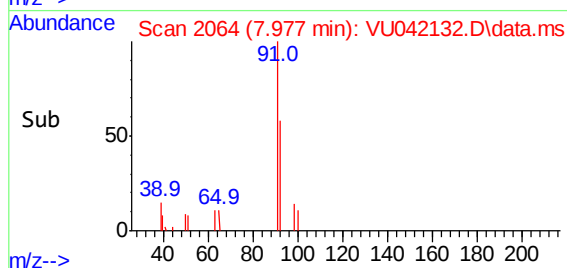
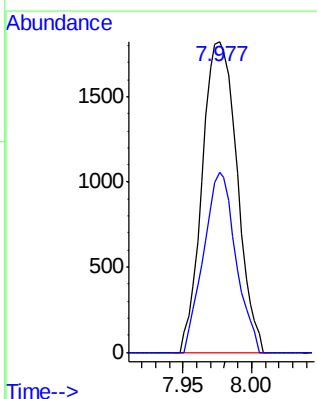
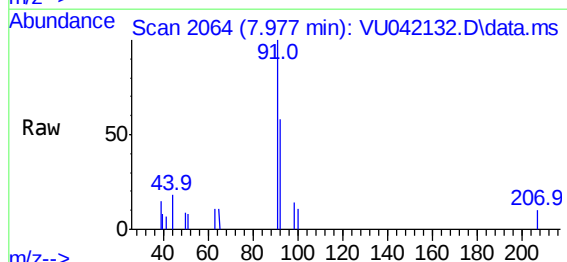
Instrument :
MSVOA_U
ClientSampleId :
F1E36

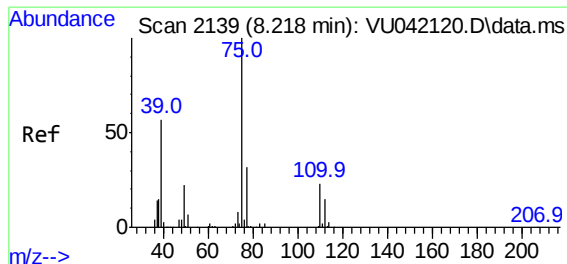
Tgt Ion: 75 Resp: 1392
Ion Ratio Lower Upper
75 100
77 53.2 22.0 40.8#



#42
Toluene
Concen: 0.10 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

Tgt Ion: 91 Resp: 3198
Ion Ratio Lower Upper
91 100
92 58.2 41.2 76.6

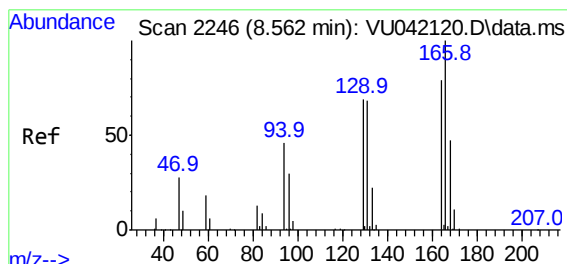
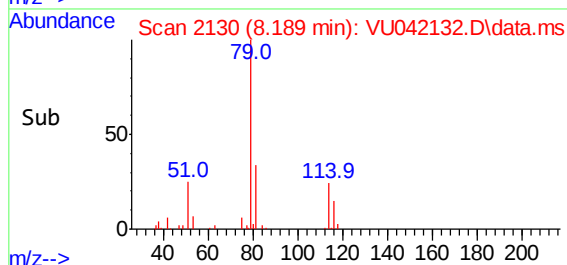
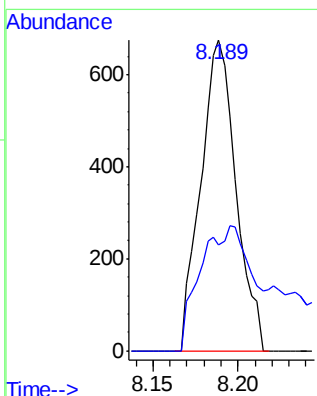
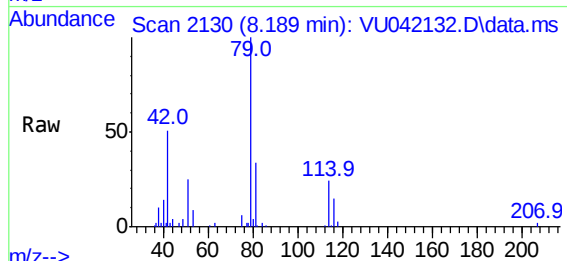




#44
trans-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 8.189 min Scan# 2130
Delta R.T. -0.029 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

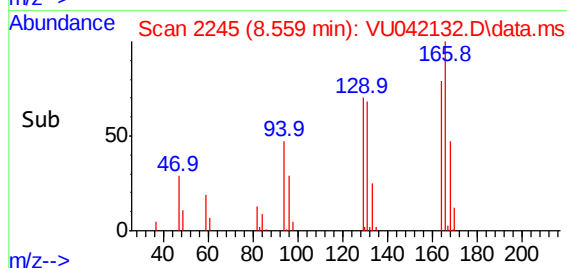
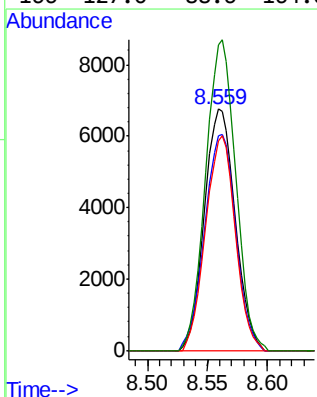
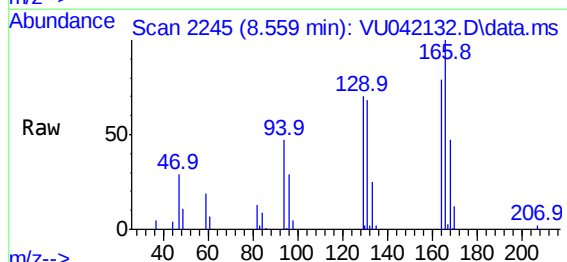
Instrument :
MSVOA_U
ClientSampleId :
F1E36

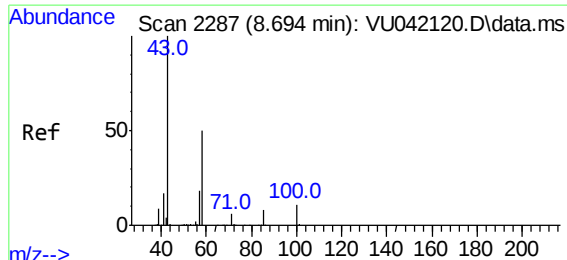
Tgt Ion: 75 Resp: 974
Ion Ratio Lower Upper
75 100
77 34.1 21.8 40.4



#47
Tetrachloroethene
Concen: 1.73 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.003 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

Tgt Ion: 164 Resp: 11701
Ion Ratio Lower Upper
164 100
129 88.9 64.3 119.5
131 86.7 62.2 115.6
166 127.0 88.6 164.6

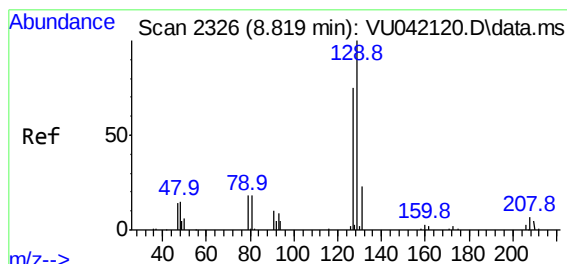
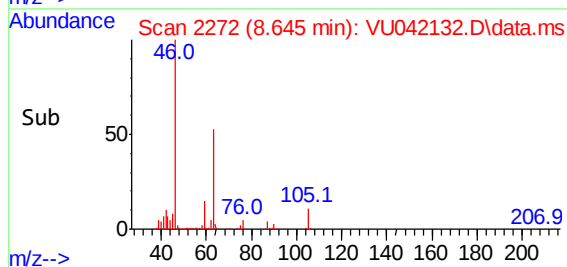
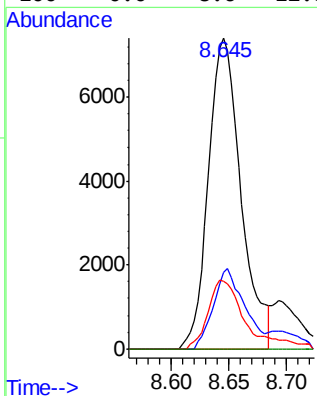
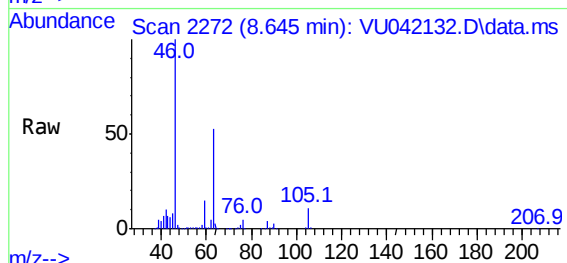




#48
2-Hexanone
Concen: 3.06 ug/L
RT: 8.645 min Scan# 2272
Delta R.T. -0.048 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

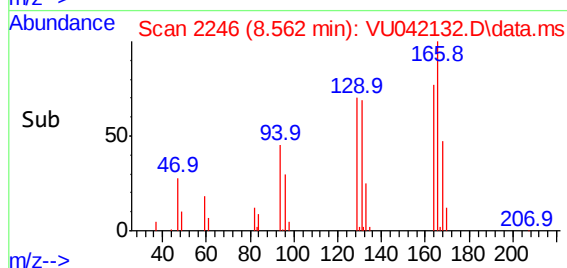
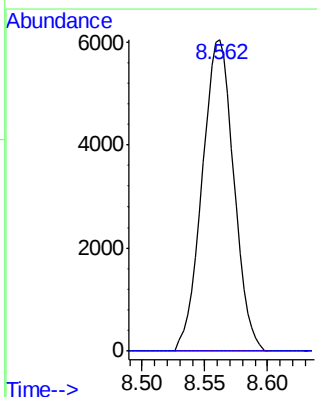
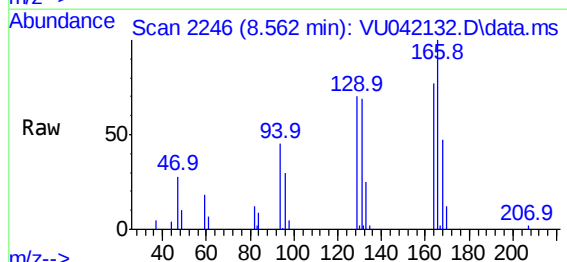
Instrument :
MSVOA_U
ClientSampleId :
F1E36

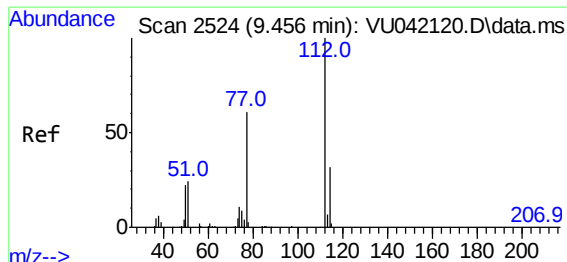
Tgt Ion: 43 Resp: 14471
Ion Ratio Lower Upper
43 100
58 24.6 40.6 61.0#
57 25.2 14.9 22.3#
100 0.0 8.6 12.8#



#49
Dibromochloromethane
Concen: 1.35 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

Tgt Ion: 129 Resp: 10613
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#

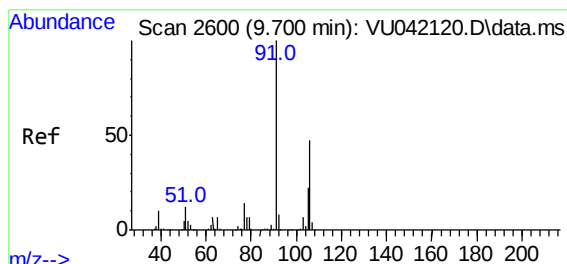
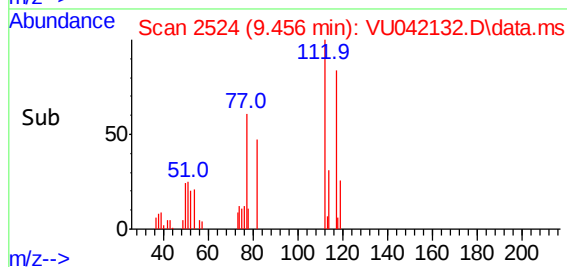
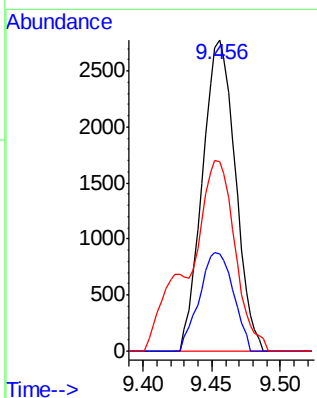
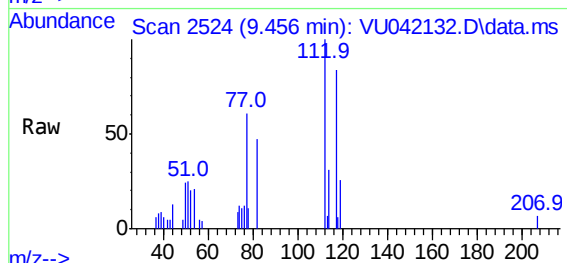




#51
Chlorobenzene
Concen: 0.22 ug/L
RT: 9.456 min Scan# 2524
Delta R.T. -0.000 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

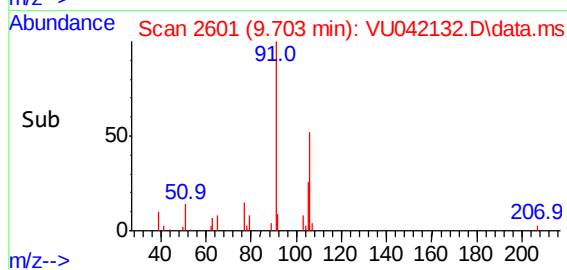
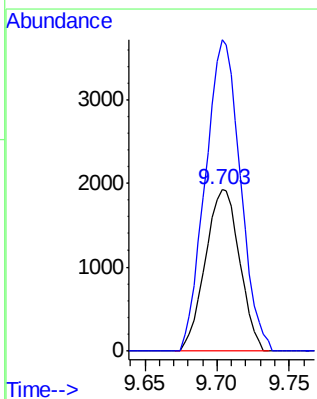
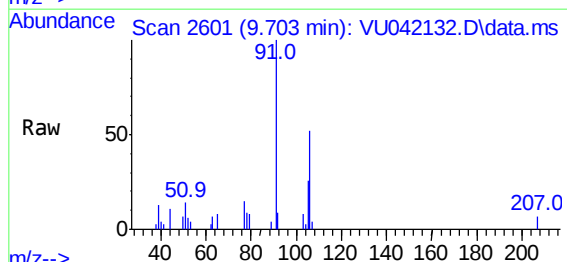
Instrument :
MSVOA_U
ClientSampleId :
F1E36

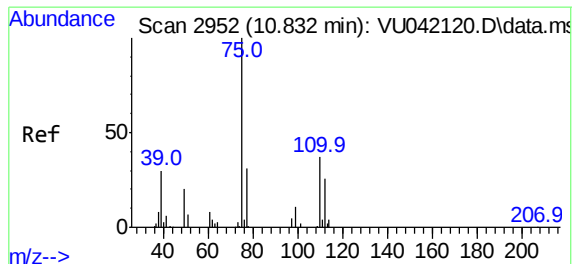
Tgt Ion:112 Resp: 4604
Ion Ratio Lower Upper
112 100
114 31.3 22.0 41.0
77 61.0 49.8 74.6



#53
m,p-Xylene
Concen: 0.23 ug/L
RT: 9.703 min Scan# 2601
Delta R.T. 0.003 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

Tgt Ion:106 Resp: 3166
Ion Ratio Lower Upper
106 100
91 193.3 145.1 269.5

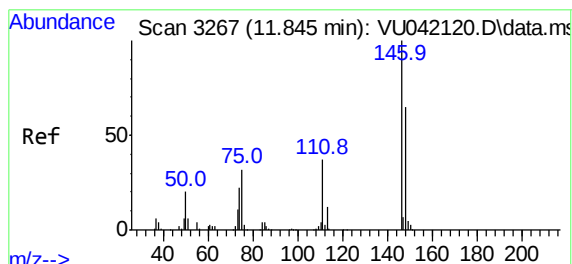
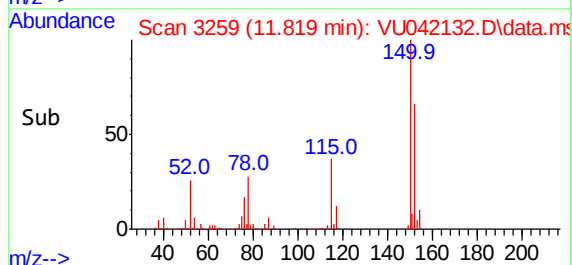
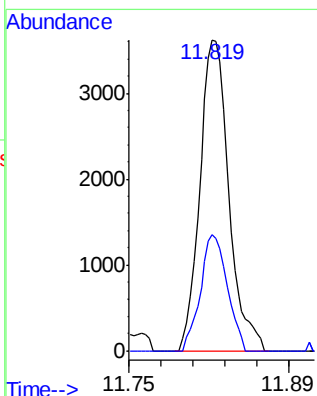
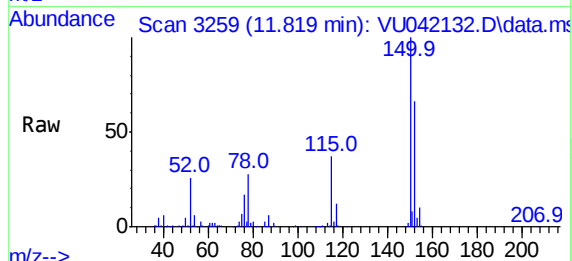




#59
1,2,3-Trichloropropane
Concen: 1.12 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

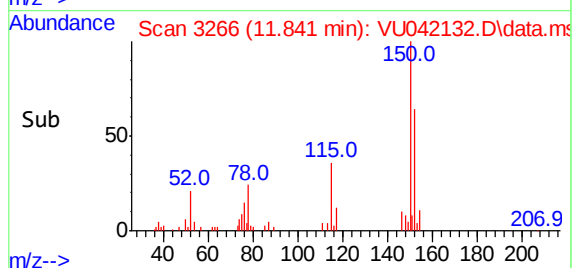
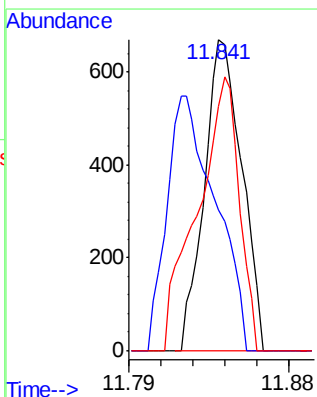
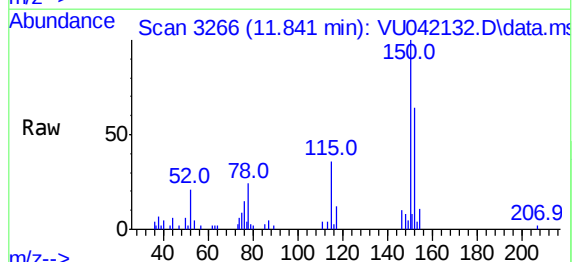
Instrument :
MSVOA_U
ClientSampled :
F1E36

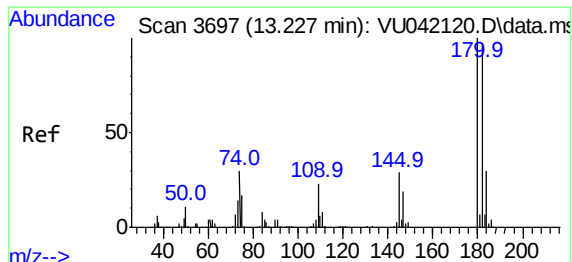
Tgt Ion: 75 Resp: 6275
Ion Ratio Lower Upper
75 100
77 34.6 26.0 39.0



#63
1,4-Dichlorobenzene
Concen: 0.06 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. -0.003 min
Lab File: VU042132.D
Acq: 21 Jan 2021 02:21

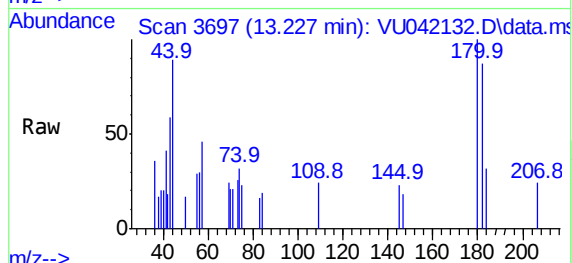
Tgt Ion: 146 Resp: 1024
Ion Ratio Lower Upper
146 100
111 45.3 25.8 47.8
148 78.6 44.1 81.9





#67
 1,3,5-Trichlorobenzene
 Concen: 0.07 ug/L
 RT: 13.227 min Scan# 3697
 Delta R.T. -0.000 min
 Lab File: VU042132.D
 Acq: 21 Jan 2021 02:21

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E36



Tgt Ion:	180	Resp:	968
Ion	Ratio	Lower	Upper
180	100		
182	84.5	76.4	114.6
184	25.8	23.9	35.9
145	15.4	22.9	34.3

