

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033021\
 Data File : VU042830.D
 Acq On : 30 Mar 2021 10:53
 Operator : SY/MD
 Sample : VU0330WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK04

Quant Time: Mar 31 02:08:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR030221WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Mar 31 02:07:34 2021
 Response via : Initial Calibration

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

Internal Standards					
1) 1,4-Difluorobenzene	6.260	114	72010	5.00 ug/L	0.00
28) Chlorobenzene-d5	9.427	117	71982	5.00 ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.822	152	34790	5.00 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	1.604	65	21983	4.58 ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 91.60%
7) Chloroethane-d5	1.919	69	19474	5.36 ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 107.20%
11) 1,1-Dichloroethene-d2	2.575	63	39615	3.65 ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 73.00%
20) 2-Butanone-d5	4.649	46	87862	55.74 ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 111.48%
24) Chloroform-d	5.076	84	51218	5.39 ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 107.80%
26) 1,2-Dichloroethane-d4	5.713	65	31056	5.32 ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 106.40%
32) Benzene-d6	5.735	84	89570	5.08 ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 101.60%
36) 1,2-Dichloropropane-d6	6.700	67	30620	5.38 ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 107.60%
41) Toluene-d8	7.906	98	80535	4.67 ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 93.40%
43) trans-1,3-Dichloroprop...	8.189	79	12838	4.83 ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 96.60%
46) 2-Hexanone-d5	8.645	63	68309	53.64 ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 107.28%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	27118	5.35 ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 107.00%
64) 1,2-Dichlorobenzene-d4	12.201	152	33271	5.28 ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 105.60%

Target Compounds					
				Qvalue	
3) Chloromethane	1.523	50	606	0.10 ug/L #	79
5) Vinyl chloride	1.610	62	301	0.05 ug/L #	1
8) Chloroethane	1.941	64	243	0.06 ug/L #	43
9) Trichlorofluoromethane	2.144	101	457	0.04 ug/L #	81
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	334	0.06 ug/L #	18
12) 1,1-Dichloroethene	2.588	96	489	0.10 ug/L #	1
14) Carbon disulfide	2.803	76	996	0.06 ug/L #	75
16) Methylene chloride	3.057	84	1168	0.19 ug/L	87
19) 1,1-Dichloroethane	3.883	63	539	0.05 ug/L #	49
25) Chloroform	5.092	83	1139	0.11 ug/L	99
27) 1,2-Dichloroethane	5.800	62	554	0.07 ug/L #	75
33) Benzene	5.784	78	1284	0.06 ug/L	100
35) Methylcyclohexane	6.771	83	477	0.05 ug/L #	73
38) Bromodichloromethane	7.115	83	405	0.05 ug/L #	68
42) Toluene	7.983	91	1231	0.05 ug/L	88
44) trans-1,3-Dichloropropene	8.185	75	611	0.07 ug/L #	67
48) 2-Hexanone	8.649	43	10154	2.60 ug/L #	63
51) Chlorobenzene	9.456	112	894	0.06 ug/L	90
52) Ethylbenzene	9.575	91	1548	0.06 ug/L	95
55) Styrene	10.124	104	843	0.05 ug/L	92

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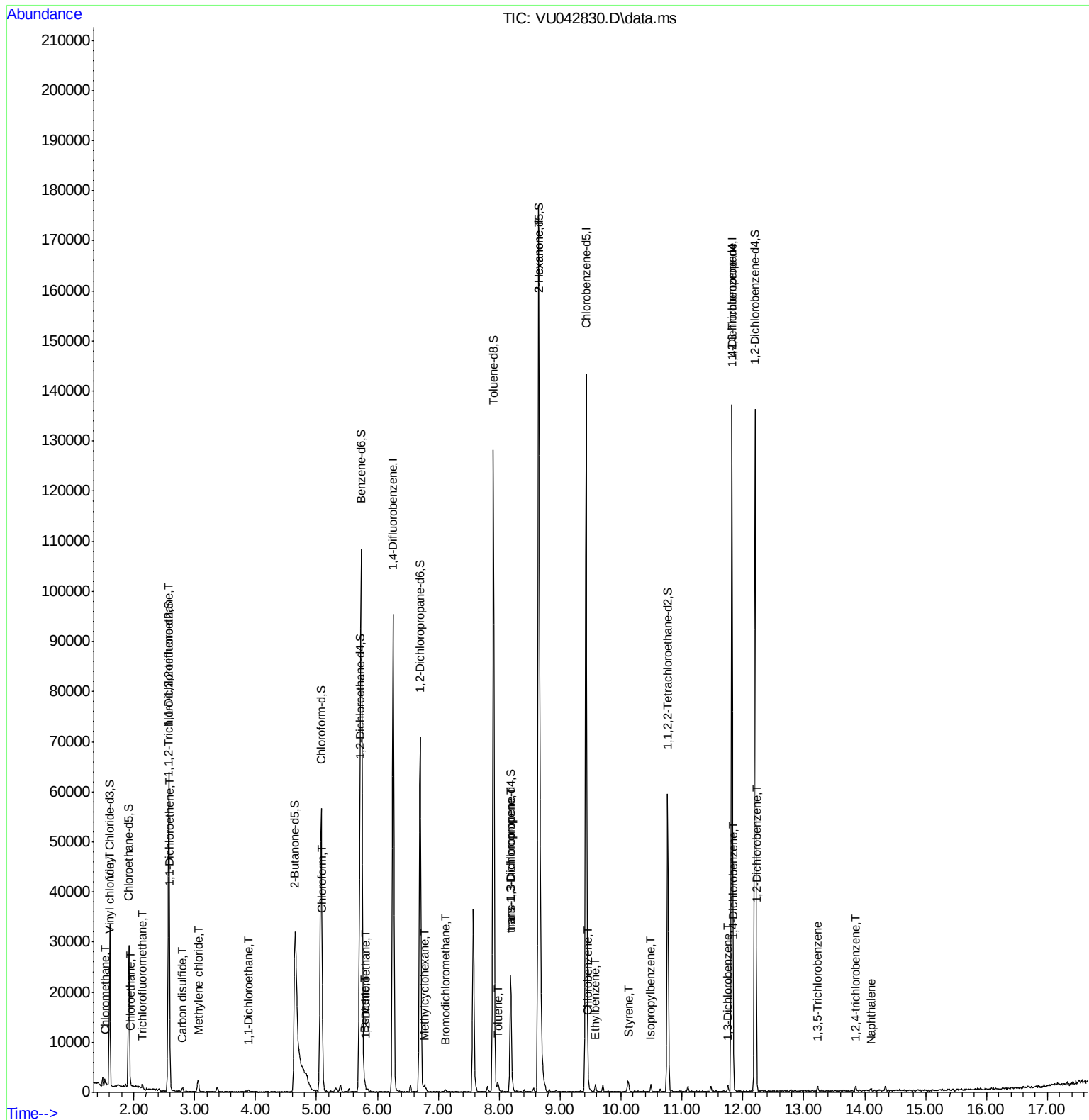
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Isopropylbenzene	10.488	105	1238	0.05	ug/L #	77
59) 1,2,3-Trichloropropane	11.819	75	4483	0.98	ug/L	96
62) 1,3-Dichlorobenzene	11.751	146	684	0.06	ug/L #	90
63) 1,4-Dichlorobenzene	11.841	146	825	0.07	ug/L #	79
65) 1,2-Dichlorobenzene	12.221	146	783	0.07	ug/L #	86
67) 1,3,5-Trichlorobenzene	13.227	180	619	0.06	ug/L #	67
68) 1,2,4-trichlorobenzene	13.851	180	435	0.05	ug/L #	86
69) Naphthalene	14.098	128	756	0.05	ug/L #	73

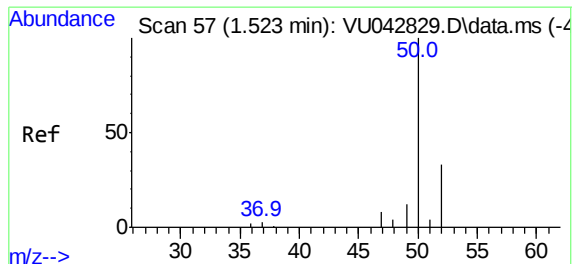
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

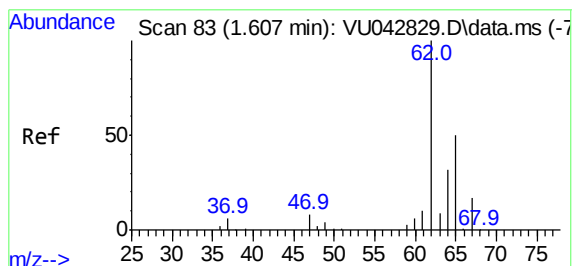
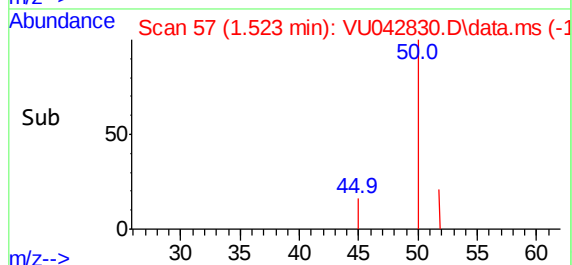
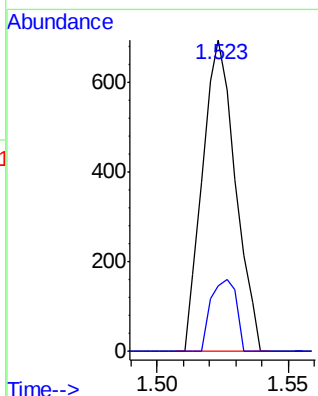
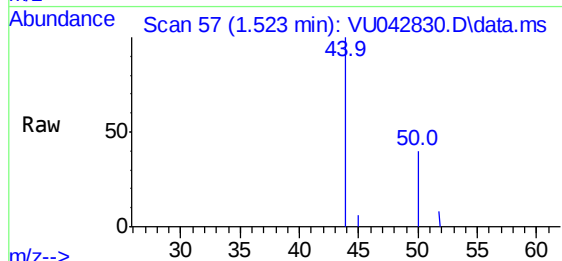




#3
Chloromethane
Concen: 0.10 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

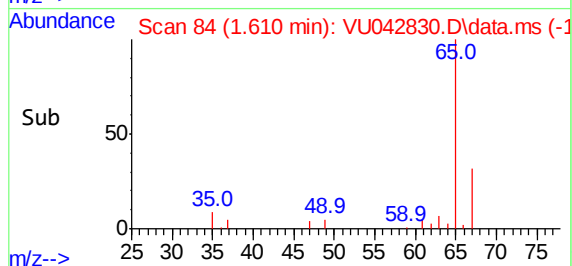
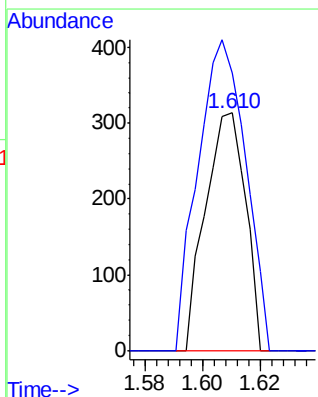
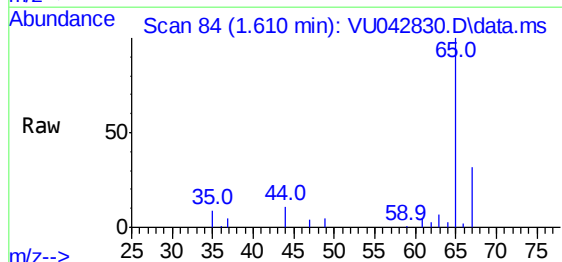
Instrument :
MSVOA_U
ClientSampleId :
VBLK04

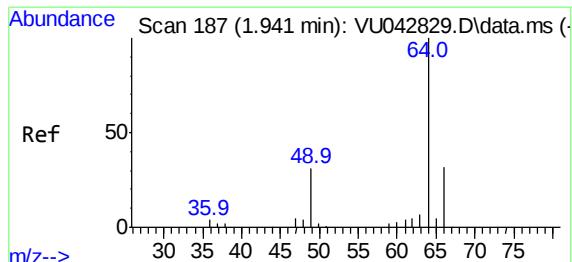
Tgt Ion: 50 Resp: 606
Ion Ratio Lower Upper
50 100
52 21.0 23.0 42.8#



#5
Vinyl chloride
Concen: 0.05 ug/L
RT: 1.610 min Scan# 84
Delta R.T. 0.003 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

Tgt Ion: 62 Resp: 301
Ion Ratio Lower Upper
62 100
64 117.3 22.7 42.1#

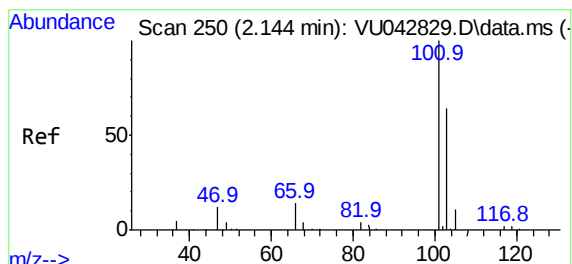
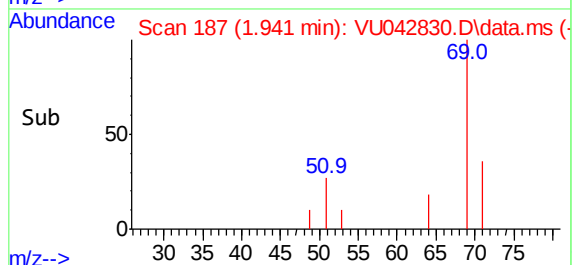
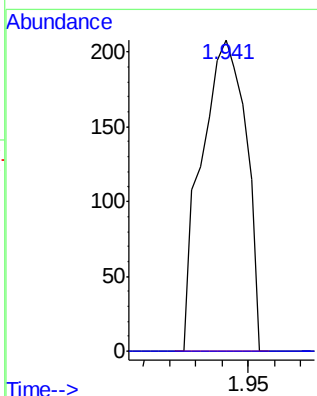
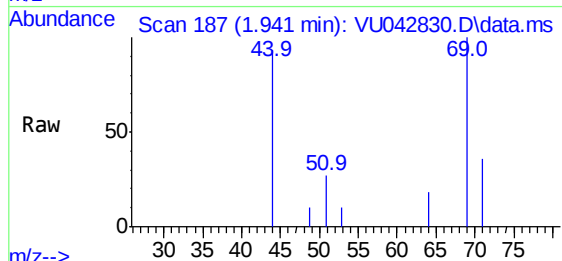




#8
Chloroethane
Concen: 0.06 ug/L
RT: 1.941 min Scan# 187
Delta R.T. -0.000 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

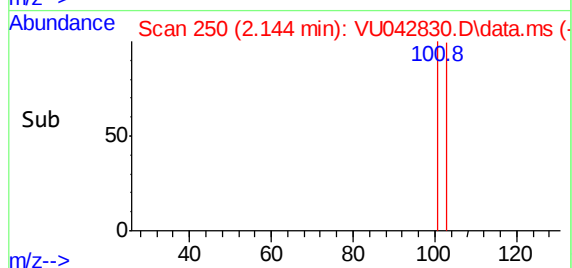
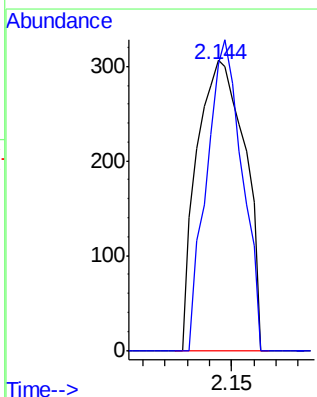
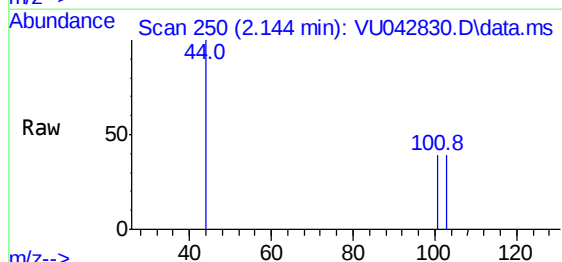
Instrument :
MSVOA_U
ClientSampleId :
VBLK04

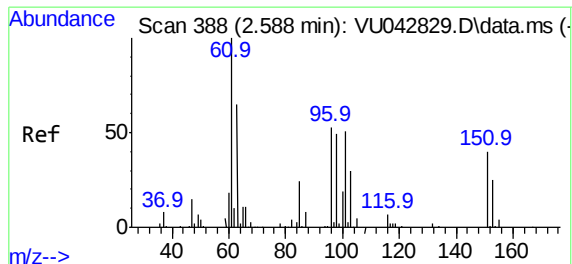
Tgt Ion: 64 Resp: 243
Ion Ratio Lower Upper
64 100
66 0.0 22.2 41.2#



#9
Trichlorofluoromethane
Concen: 0.04 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

Tgt Ion: 101 Resp: 457
Ion Ratio Lower Upper
101 100
103 79.6 51.8 77.8#

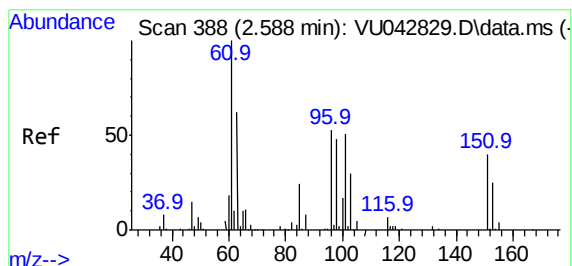
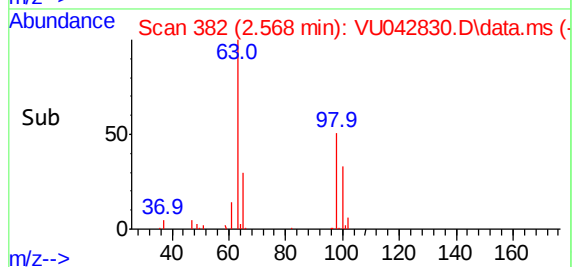
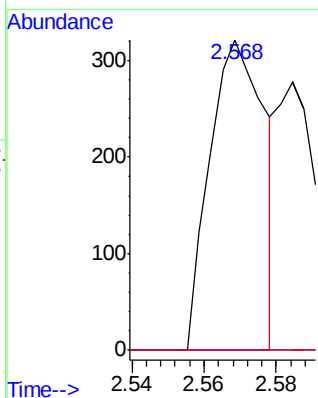
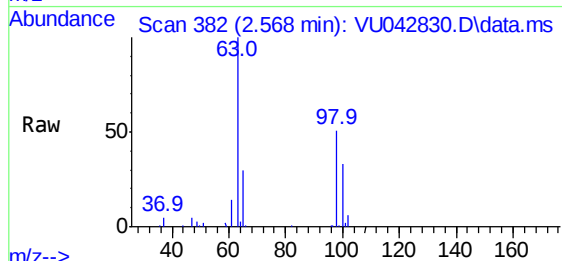




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.06 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.019 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

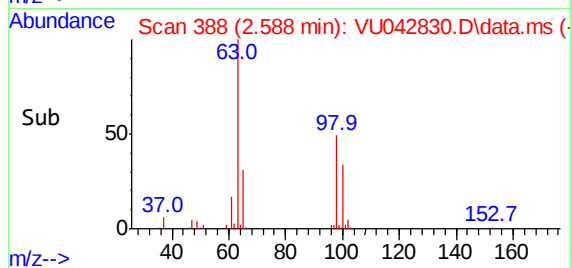
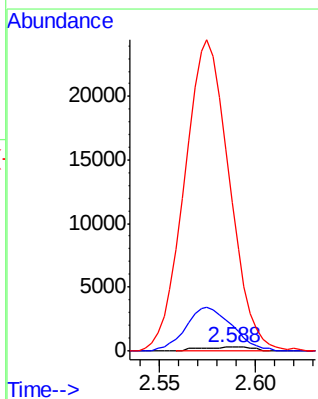
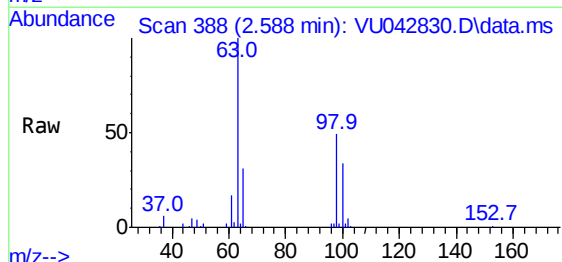
Instrument :
MSVOA_U
ClientSampleId :
VBLK04

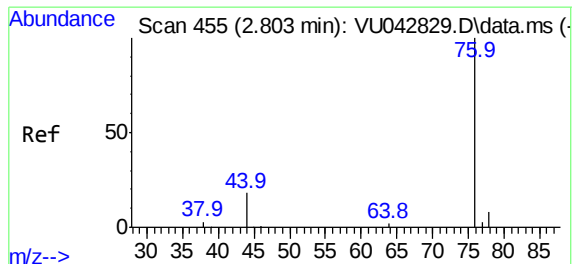
Tgt Ion:101 Resp: 334
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 62.7 94.1#



#12
1,1-Dichloroethene
Concen: 0.10 ug/L
RT: 2.588 min Scan# 388
Delta R.T. -0.000 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

Tgt Ion: 96 Resp: 489
Ion Ratio Lower Upper
96 100
61 723.0 126.2 234.4#
63 4333.5 77.8 144.4#

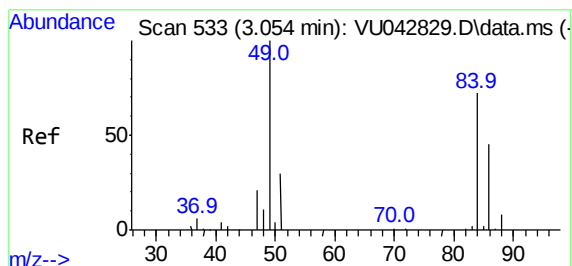
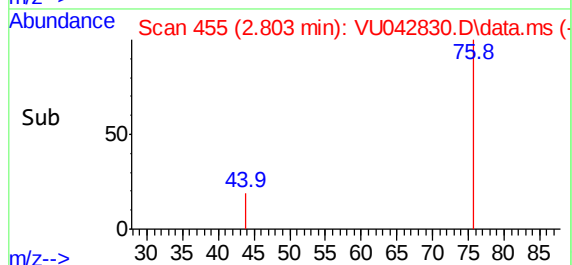
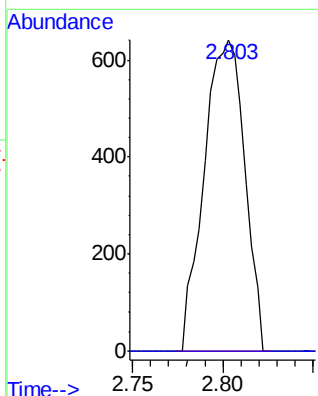
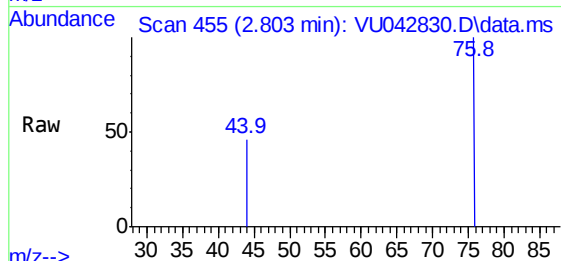




#14
Carbon disulfide
Concen: 0.06 ug/L
RT: 2.803 min Scan# 455
Delta R.T. -0.000 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

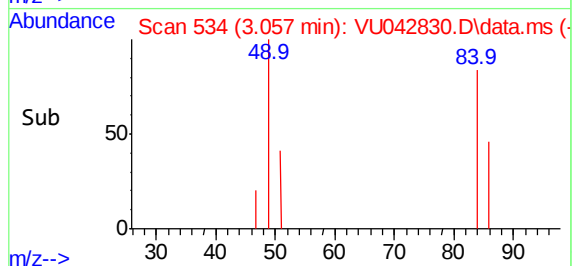
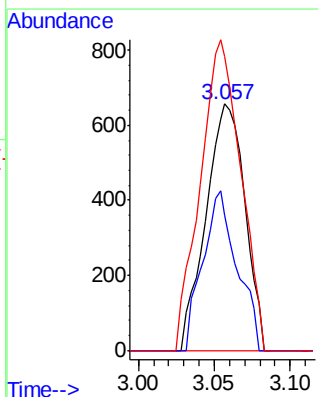
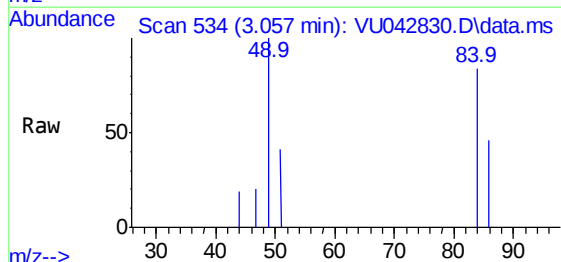
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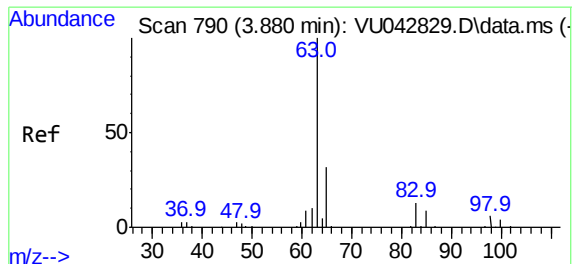
Tgt Ion: 76 Resp: 996
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#16
Methylene chloride
Concen: 0.19 ug/L
RT: 3.057 min Scan# 534
Delta R.T. 0.003 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

Tgt Ion: 84 Resp: 1168
Ion Ratio Lower Upper
84 100
86 54.8 44.1 81.9
49 119.5 95.0 176.4

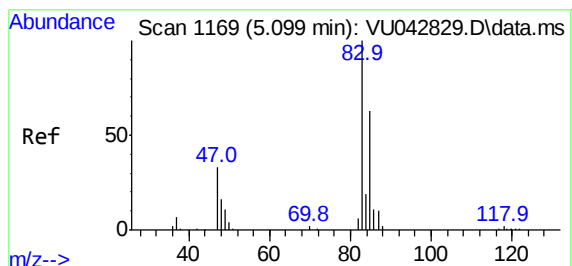
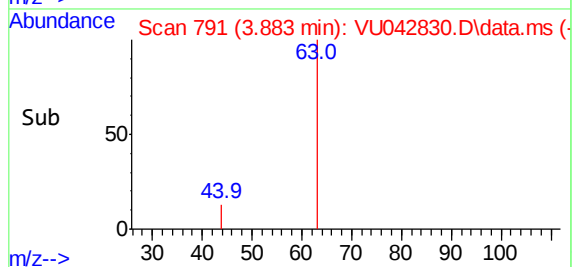
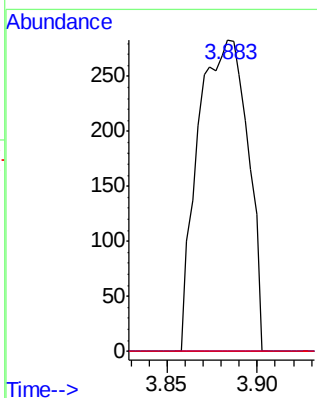
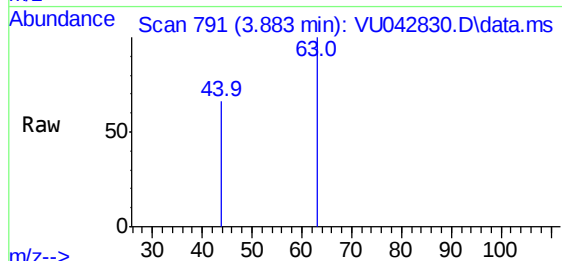




#19
1,1-Dichloroethane
Concen: 0.05 ug/L
RT: 3.883 min Scan# 791
Delta R.T. 0.003 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

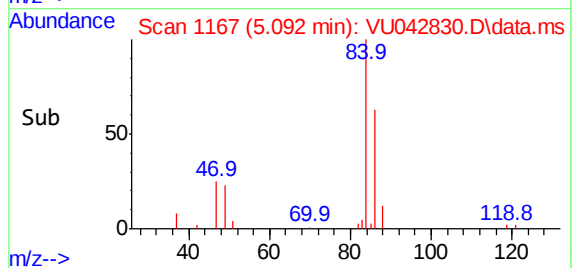
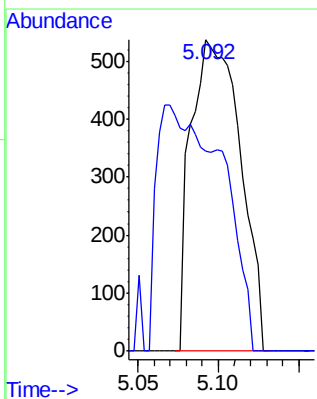
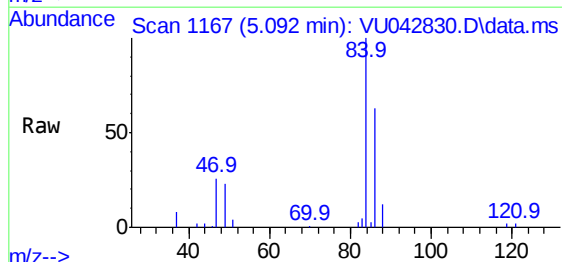
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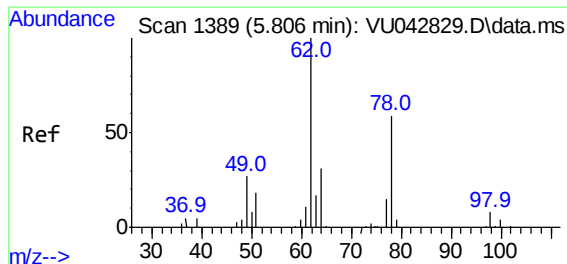
Tgt Ion: 63 Resp: 539
Ion Ratio Lower Upper
63 100
65 0.0 22.5 41.9#
83 0.0 10.1 18.7#



#25
Chloroform
Concen: 0.11 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.006 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

Tgt Ion: 83 Resp: 1139
Ion Ratio Lower Upper
83 100
85 64.3 45.7 84.9

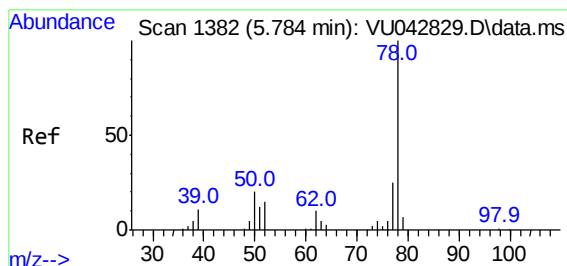
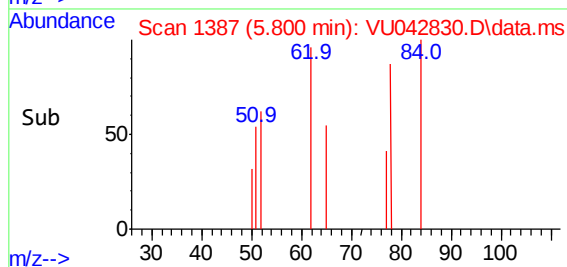
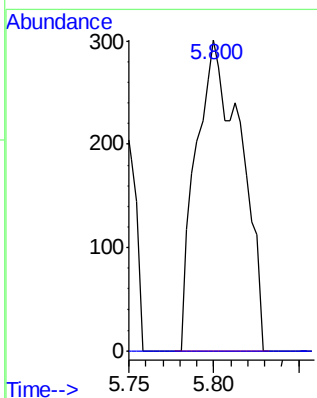
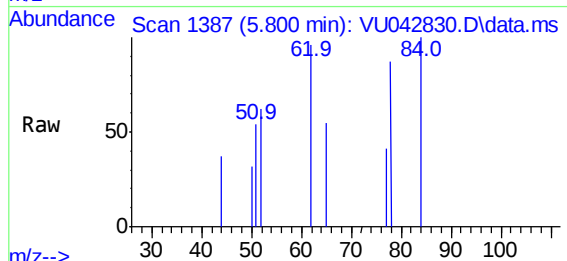




#27
1,2-Dichloroethane
Concen: 0.07 ug/L
RT: 5.800 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

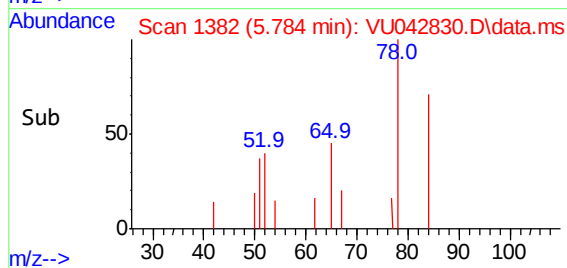
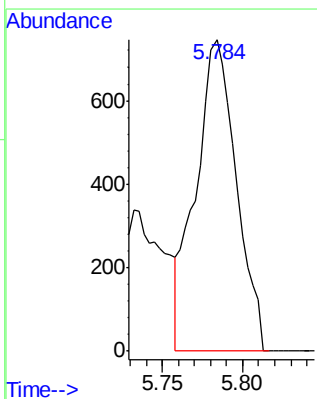
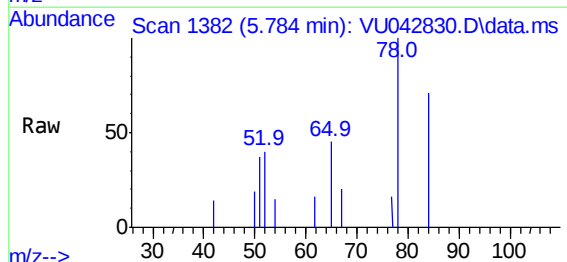
Instrument :
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ClientSampled :
VBLK04

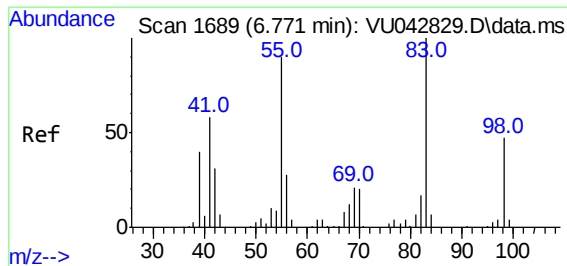
Tgt Ion: 62 Resp: 554
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#33
Benzene
Concen: 0.06 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

Tgt Ion: 78 Resp: 1284

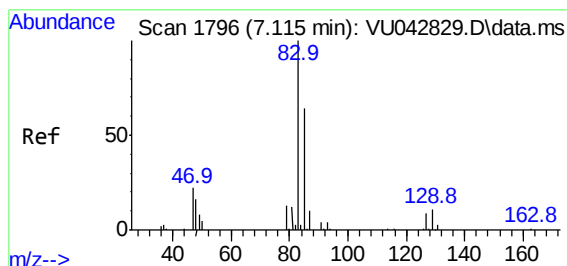
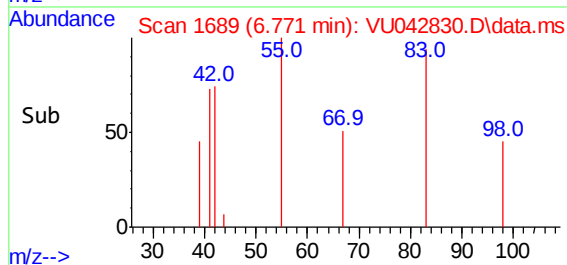
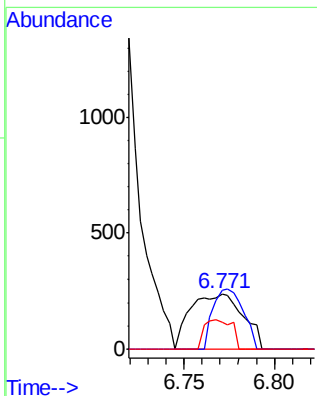
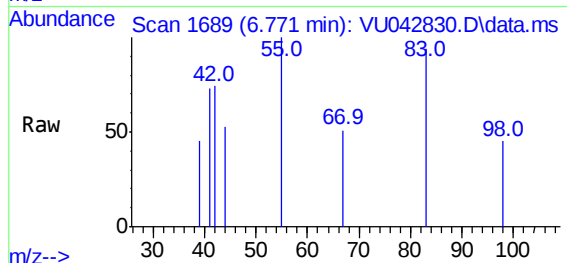




#35
Methylcyclohexane
Concen: 0.05 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

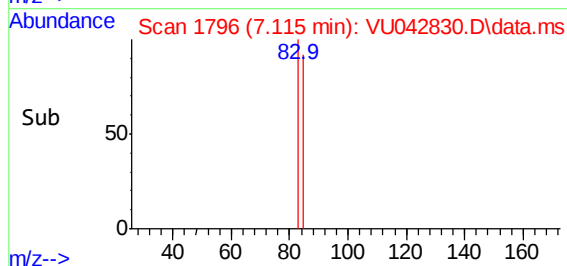
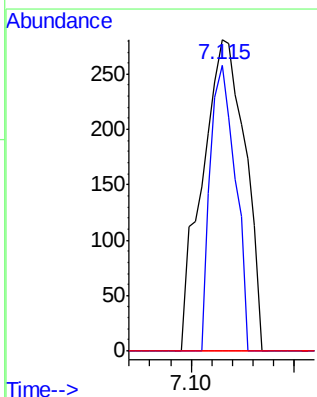
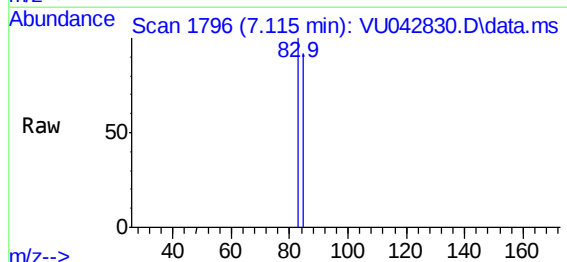
Instrument :
MSVOA_U
ClientSampled :
VBLK04

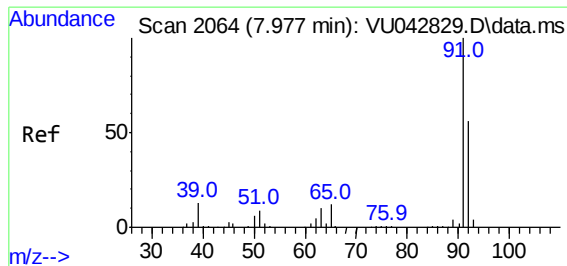
Tgt Ion: 83 Resp: 477
Ion Ratio Lower Upper
83 100
55 62.7 68.2 102.4#
98 27.7 39.7 59.5#



#38
Bromodichloromethane
Concen: 0.05 ug/L
RT: 7.115 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

Tgt Ion: 83 Resp: 405
Ion Ratio Lower Upper
83 100
85 91.8 46.0 85.4#
127 0.0 6.8 10.2#

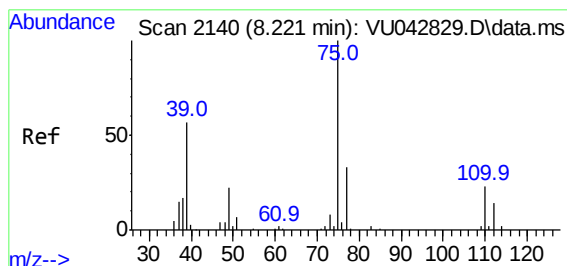
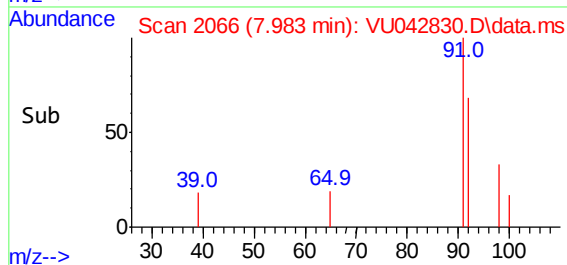
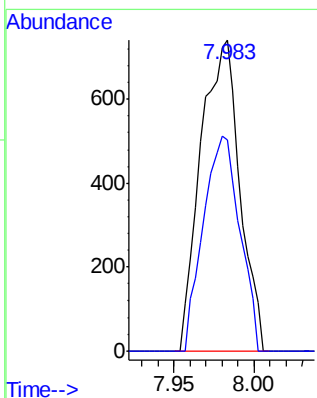
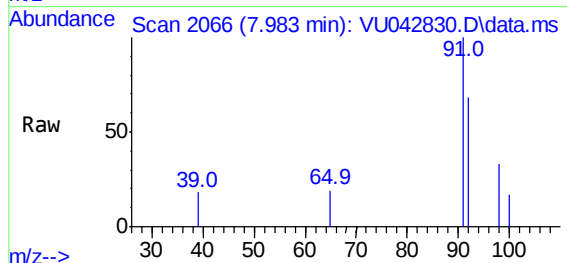




#42
Toluene
Concen: 0.05 ug/L
RT: 7.983 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

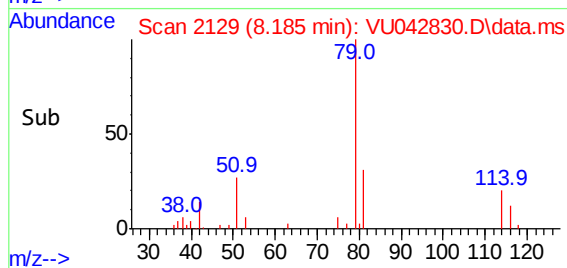
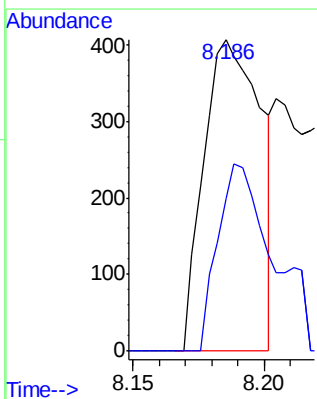
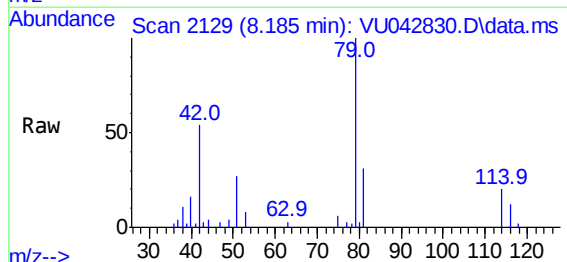
Instrument :
MSVOA_U
ClientSampled :
VBLK04

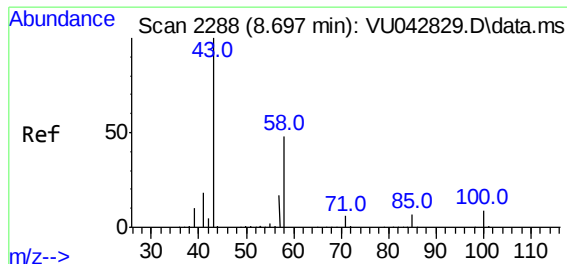
Tgt Ion: 91 Resp: 1231
Ion Ratio Lower Upper
91 100
92 68.0 41.2 76.6



#44
trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.035 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

Tgt Ion: 75 Resp: 611
Ion Ratio Lower Upper
75 100
77 49.1 21.8 40.4#

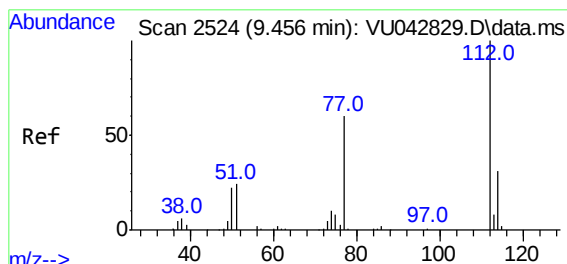
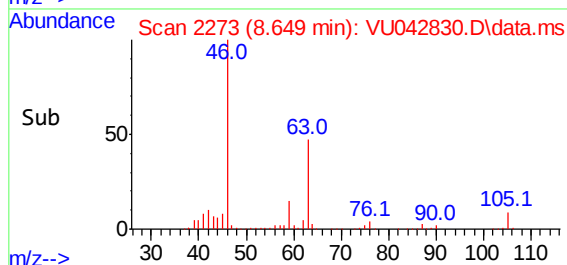
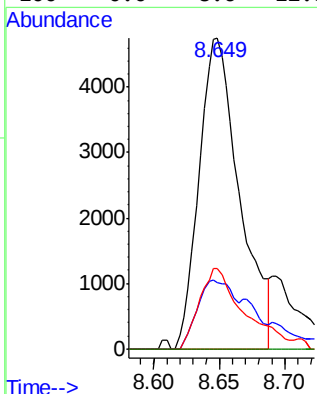
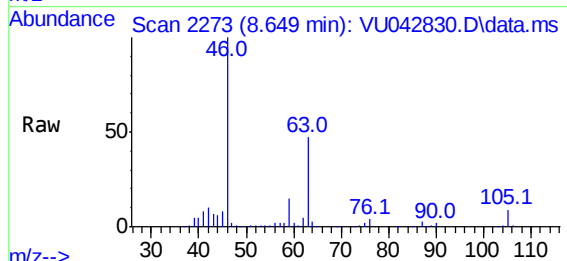




#48
2-Hexanone
Concen: 2.60 ug/L
RT: 8.649 min Scan# 2273
Delta R.T. -0.048 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

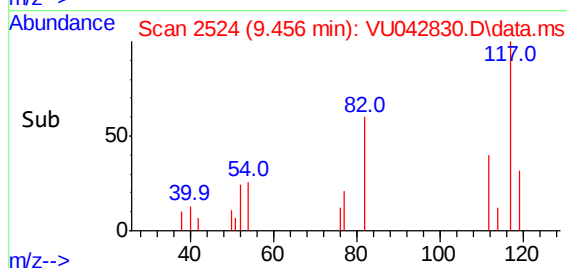
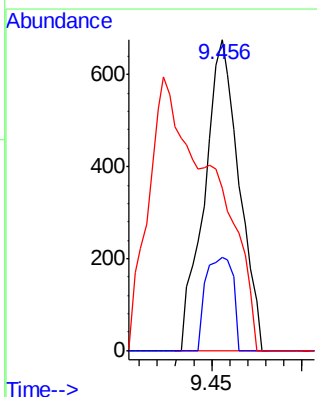
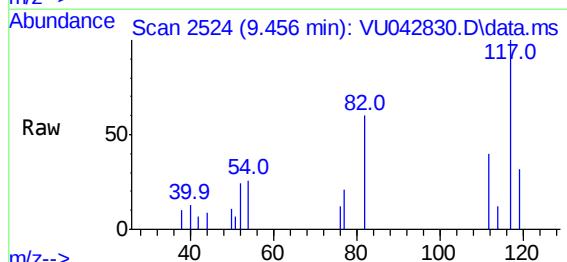
Instrument :
MSVOA_U
ClientSampleId :
VBLK04

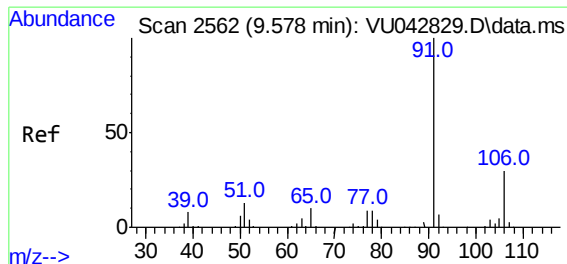
Tgt Ion:	43	Resp:	10154
Ion	Ratio	Lower	Upper
43	100		
58	19.8	40.6	61.0#
57	28.6	14.9	22.3#
100	0.0	8.6	12.8#



#51
Chlorobenzene
Concen: 0.06 ug/L
RT: 9.456 min Scan# 2524
Delta R.T. -0.000 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

Tgt Ion:	112	Resp:	894
Ion	Ratio	Lower	Upper
112	100		
114	29.9	22.0	41.0
77	52.2	49.8	74.6

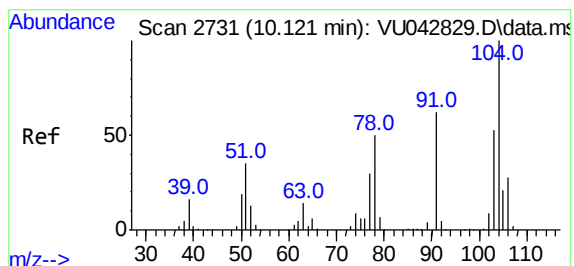
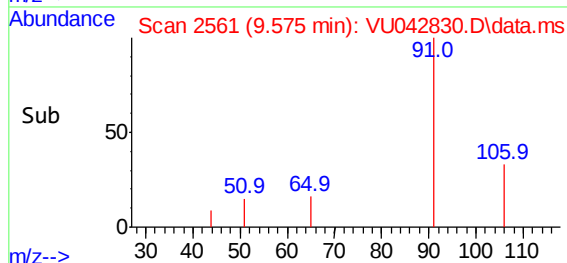
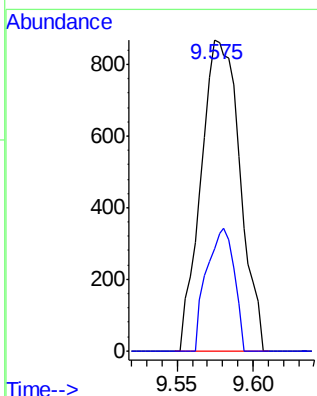
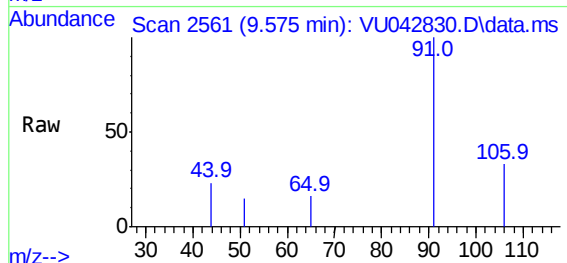




#52
Ethylbenzene
Concen: 0.06 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

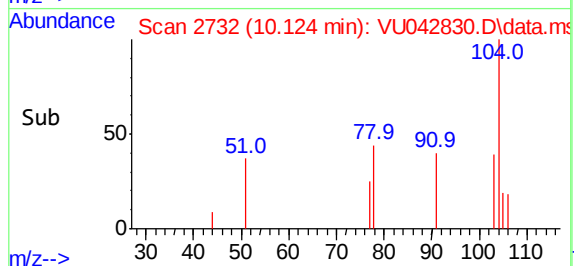
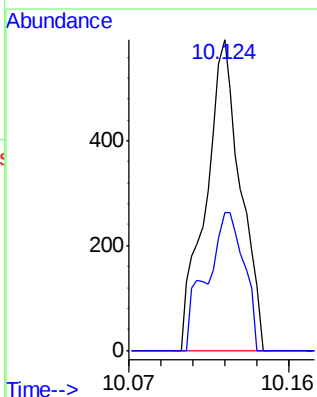
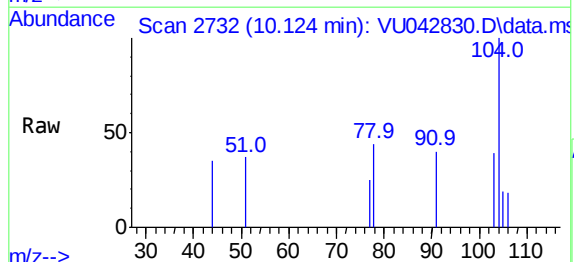
Instrument :
MSVOA_U
ClientSampleId :
VBLK04

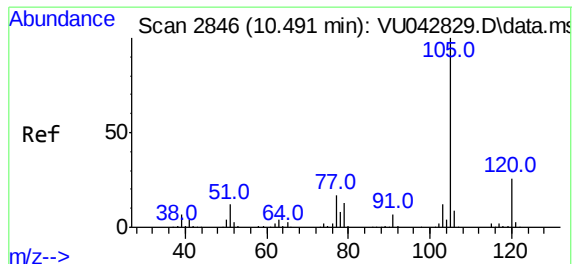
Tgt Ion: 91 Resp: 1548
Ion Ratio Lower Upper
91 100
106 32.9 21.1 39.3



#55
Styrene
Concen: 0.05 ug/L
RT: 10.124 min Scan# 2732
Delta R.T. 0.003 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

Tgt Ion: 104 Resp: 843
Ion Ratio Lower Upper
104 100
78 44.2 34.9 64.7



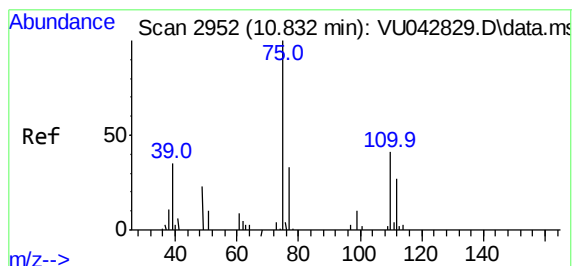
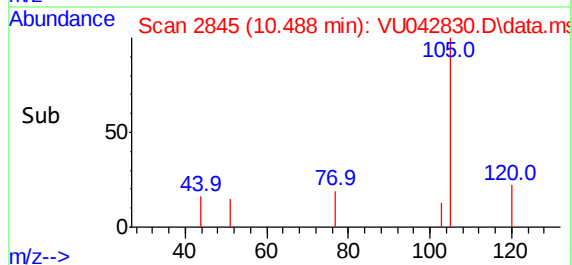
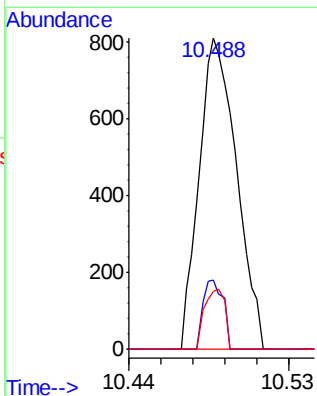
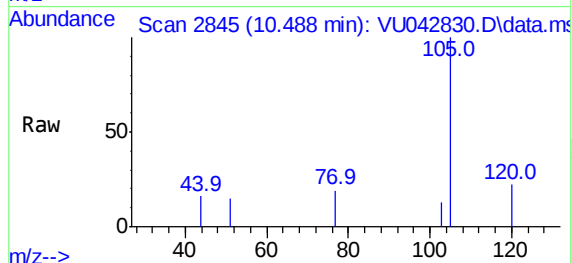


#56
Isopropylbenzene
Concen: 0.05 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.003 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

Instrument :
MSVOA_U
ClientSampleId :
VBLK04

Tgt Ion: 105 Resp: 1238

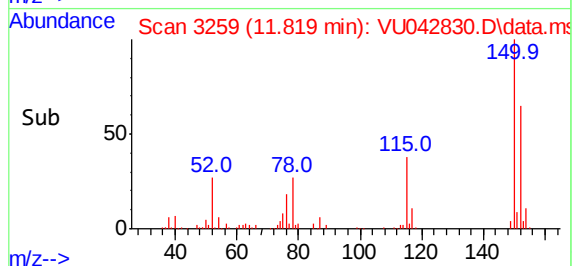
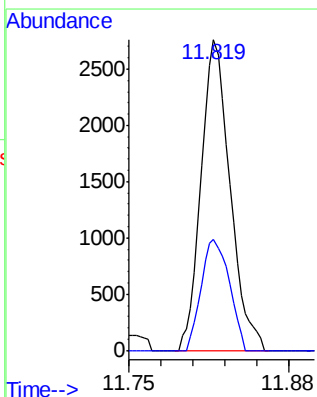
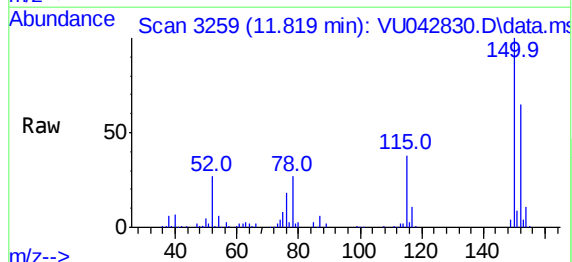
Ion	Ratio	Lower	Upper
105	100		
120	11.8	20.8	31.2#
77	10.3	13.4	20.0#

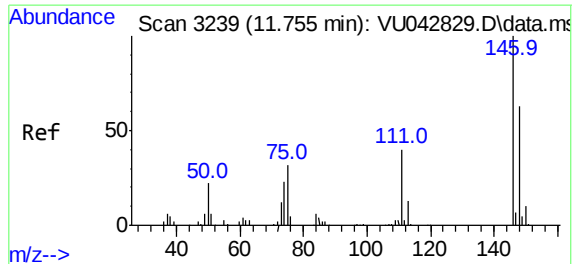


#59
1,2,3-Trichloropropane
Concen: 0.98 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

Tgt Ion: 75 Resp: 4483

Ion	Ratio	Lower	Upper
75	100		
77	34.6	26.0	39.0

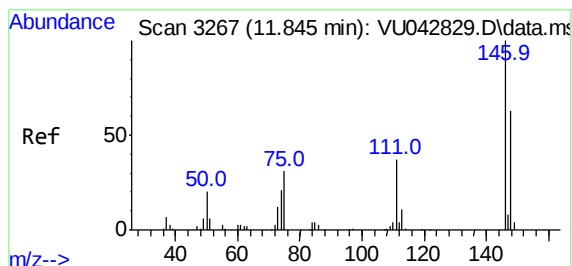
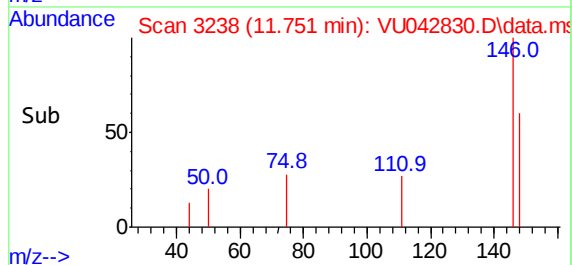
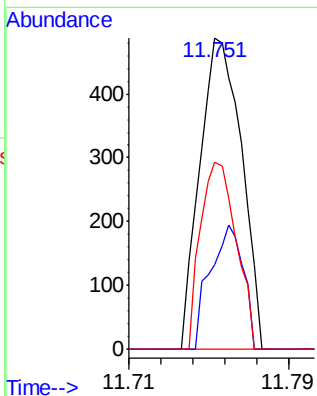
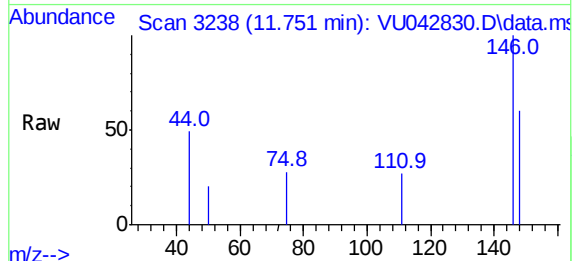




#62
1,3-Dichlorobenzene
Concen: 0.06 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.003 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

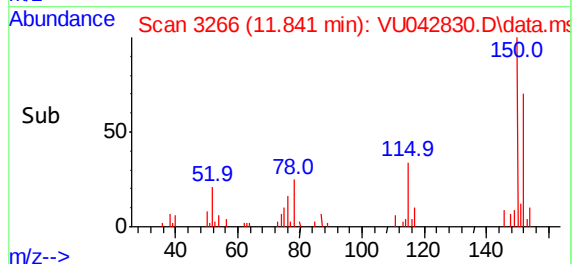
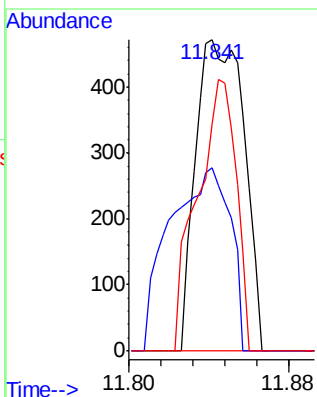
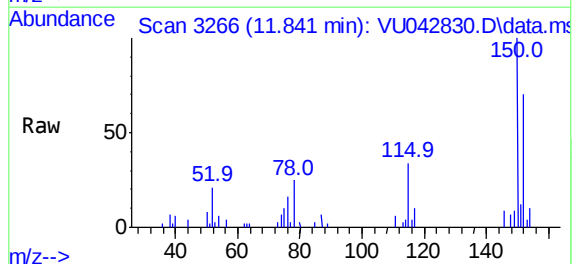
Instrument :
MSVOA_U
ClientSampleId :
VBLK04

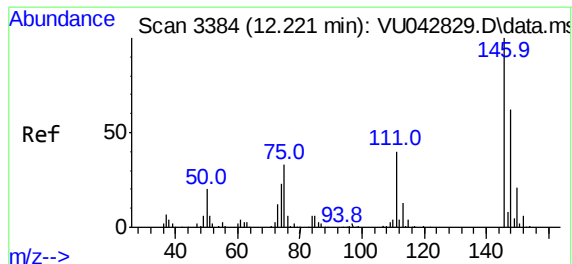
Tgt Ion:146 Resp: 684
Ion Ratio Lower Upper
146 100
111 27.0 27.2 50.4#
148 60.0 44.6 82.8



#63
1,4-Dichlorobenzene
Concen: 0.07 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. -0.003 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

Tgt Ion:146 Resp: 825
Ion Ratio Lower Upper
146 100
111 58.7 25.8 47.8#
148 72.7 44.1 81.9

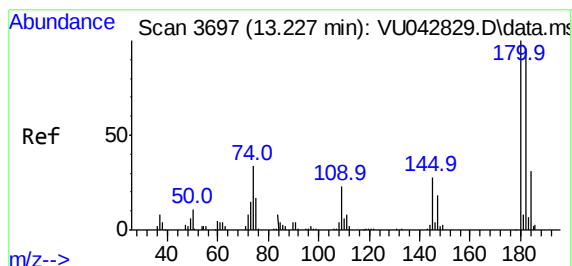
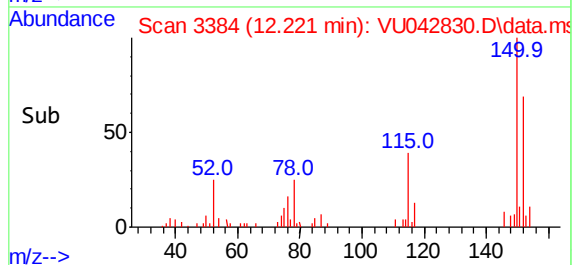
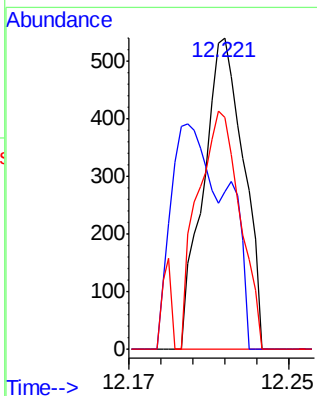
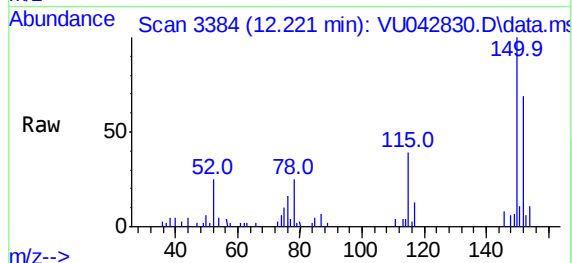




#65
1,2-Dichlorobenzene
Concen: 0.07 ug/L
RT: 12.221 min Scan# 3384
Delta R.T. -0.000 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

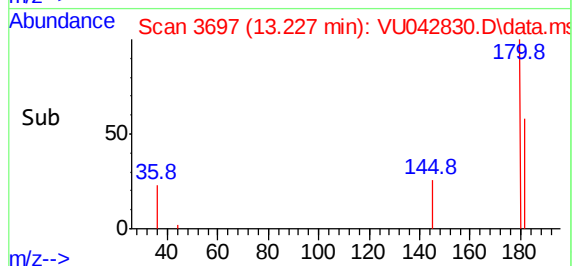
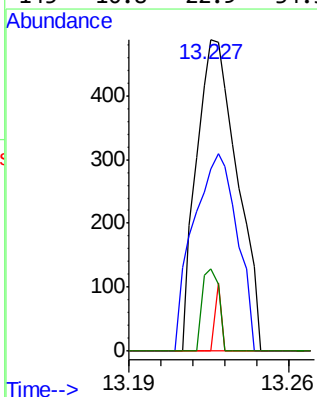
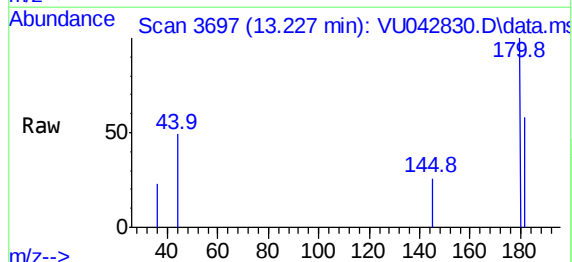
Instrument :
MSVOA_U
ClientSampleId :
VBLK04

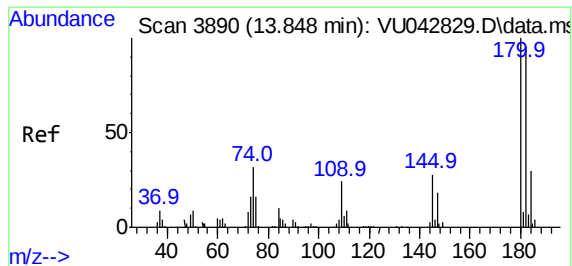
Tgt Ion:146 Resp: 783
Ion Ratio Lower Upper
146 100
111 50.6 32.7 49.1#
148 74.7 51.7 77.5



#67
1,3,5-Trichlorobenzene
Concen: 0.06 ug/L
RT: 13.227 min Scan# 3697
Delta R.T. -0.000 min
Lab File: VU042830.D
Acq: 30 Mar 2021 10:53

Tgt Ion:180 Resp: 619
Ion Ratio Lower Upper
180 100
182 68.2 76.4 114.6#
184 3.4 23.9 35.9#
145 10.8 22.9 34.3#

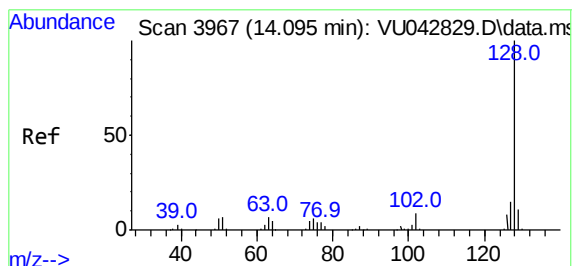
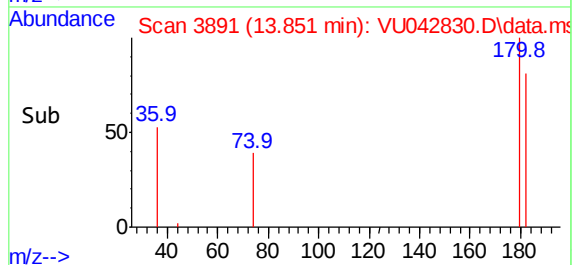
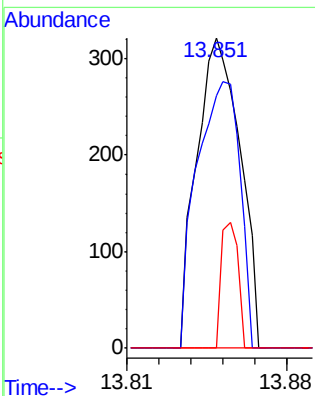
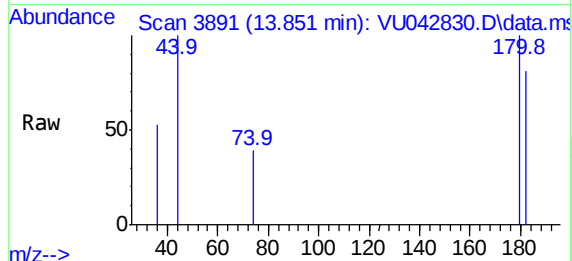




#68
 1,2,4-trichlorobenzene
 Concen: 0.05 ug/L
 RT: 13.851 min Scan# 3891
 Delta R.T. 0.003 min
 Lab File: VU042830.D
 Acq: 30 Mar 2021 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK04

Tgt Ion:	180	Resp:	435
Ion	Ratio	Lower	Upper
180	100		
182	85.1	76.3	114.5
145	15.9	23.7	35.5#



#69
 Naphthalene
 Concen: 0.05 ug/L
 RT: 14.098 min Scan# 3968
 Delta R.T. 0.003 min
 Lab File: VU042830.D
 Acq: 30 Mar 2021 10:53

Tgt Ion:	128	Resp:	756
Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.7	13.1#
127	2.8	10.6	15.8#

