

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020521\
 Data File : VU042282.D
 Acq On : 05 Feb 2021 16:45
 Operator : SY/MD
 Sample : M1327-01DL 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 X2Z60DL

Quant Time: Feb 06 07:26:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020521WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 06 07:13:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	187517	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.426	117	175012	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	91429	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	64598	45.77	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.54%		
7) Chloroethane-d5	1.916	69	47735	49.32	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.64%		
11) 1,1-Dichloroethene-d2	2.575	63	124452	41.32	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.64%		
21) 2-Butanone-d5	4.636	46	144480	98.95	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.95%		
24) Chloroform-d	5.073	84	132130	46.62	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.24%		
26) 1,2-Dichloroethane-d4	5.713	65	98289	49.02	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.04%		
32) Benzene-d6	5.735	84	245064	48.19	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.38%		
36) 1,2-Dichloropropane-d6	6.700	67	82572	48.62	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.24%		
41) Toluene-d8	7.906	98	229239	47.59	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.18%		
43) trans-1,3-Dichloroprop...	8.185	79	42552	48.19	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.38%		
47) 2-Hexanone-d5	8.642	63	95512	99.45	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.45%		
56) 1,1,2,2-Tetrachloroeth...	10.764	84	119299	47.18	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.36%		
66) 1,2-Dichlorobenzene-d4	12.201	152	91354	47.65	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.30%		
Target Compounds					Qvalue	
8) Chloroethane	1.938	64	14151	18.12	ug/L	99
12) 1,1-Dichloroethene	2.584	96	24606	20.44	ug/L #	17
16) Methylene chloride	3.054	84	14412	10.59	ug/L	95
18) Methyl tert-butyl Ether	3.372	73	106460	23.59	ug/L	99
25) Chloroform	5.099	83	20379	7.73	ug/L	97
30) 1,1,1-Trichloroethane	5.327	97	25275	10.55	ug/L	98
31) Carbon tetrachloride	5.533	117	42228	20.50	ug/L	98
33) Benzene	5.784	78	120143	22.45	ug/L	100
34) Trichloroethene	6.552	95	51996	37.09	ug/L	98
35) Methylcyclohexane	6.700	83	18926	8.76	ug/L #	15
37) 1,2-Dichloropropane	6.700	63	9653	6.44	ug/L #	89
38) Bromodichloromethane	7.115	83	41671	20.69	ug/L	96
39) cis-1,3-Dichloropropene	7.616	75	15955	6.84	ug/L	95
40) 4-Methyl-2-pentanone	7.803	43	139780	47.25	ug/L	99
42) Toluene	7.976	91	265576	46.46	ug/L	99
44) trans-1,3-Dichloropropene	8.218	75	100482	43.71	ug/L	98
45) 1,1,2-Trichloroethane	8.407	97	77517	56.41	ug/L	98
46) Tetrachloroethene	8.562	164	35872	32.38	ug/L	99
48) 2-Hexanone	8.697	43	118992	49.68	ug/L	96
49) Dibromochloromethane	8.819	129	37544	23.46	ug/L	100

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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

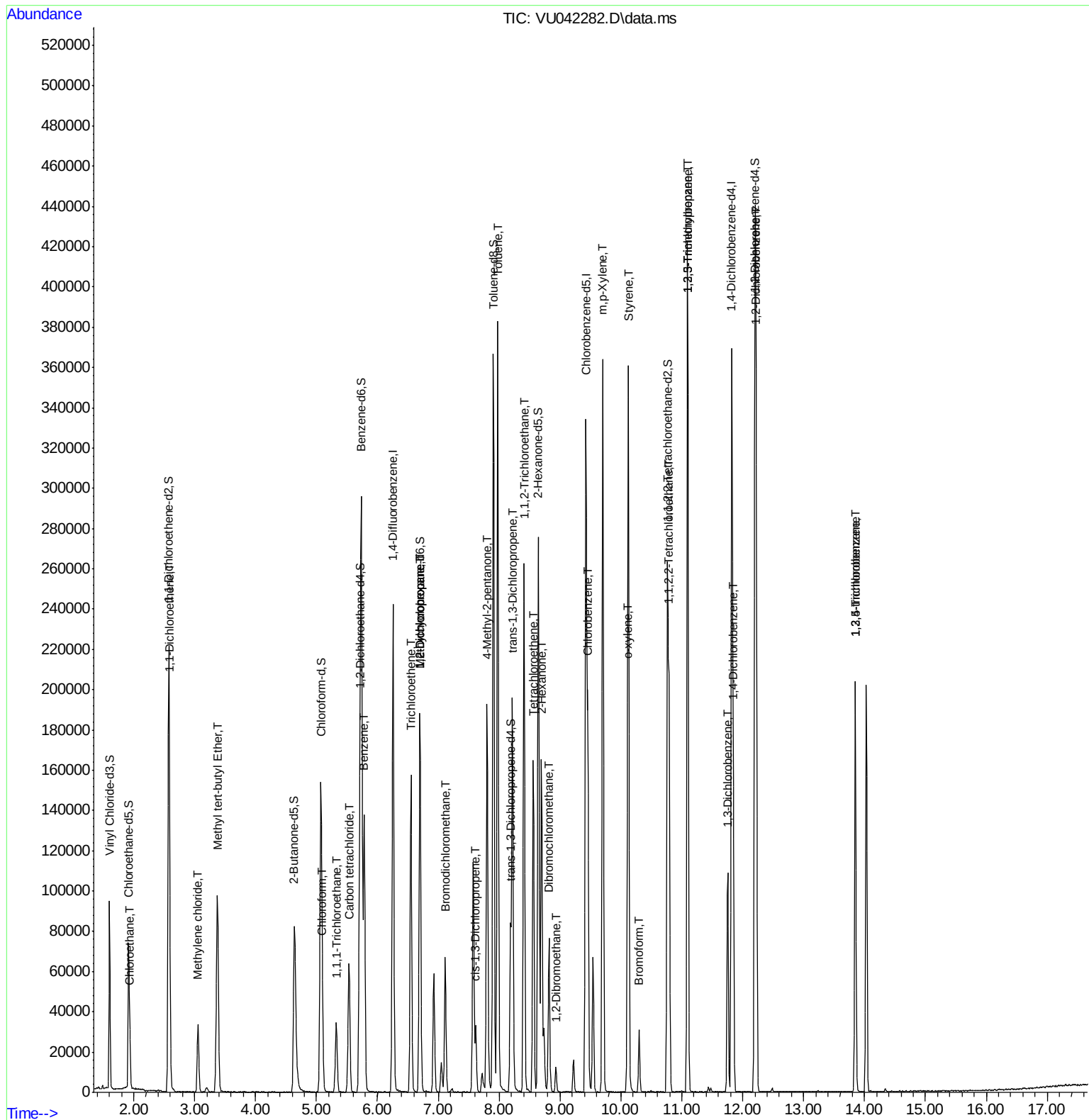
50) 1,2-Dibromoethane	8.931	107	7649	4.96	ug/L	99
51) Chlorobenzene	9.455	112	90514	24.95	ug/L	99
53) m,p-Xylene	9.703	106	95999	40.46	ug/L	100
54) o-xylene	10.108	106	13486	5.71	ug/L	96
55) Styrene	10.121	104	154442	38.28	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.790	83	94986	37.97	ug/L	99
59) Bromoform	10.298	173	13777	10.74	ug/L	98
60) 1,2,3-Trichloropropane	11.095	75	2449	1.22	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.095	105	216774	41.16	ug/L	98
64) 1,3-Dichlorobenzene	11.754	146	42581	14.84	ug/L	99
65) 1,4-Dichlorobenzene	11.844	146	57651	19.72	ug/L	100
67) 1,2-Dichlorobenzene	12.221	146	109753	37.21	ug/L	99
69) 1,3,5-Trichlorobenzene	13.848	180	61686	27.88	ug/L	99
70) 1,2,4-trichlorobenzene	13.848	180	61686	33.24	ug/L	99

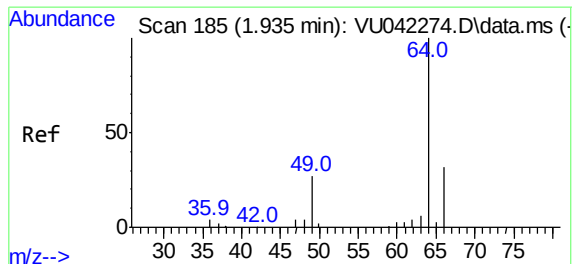
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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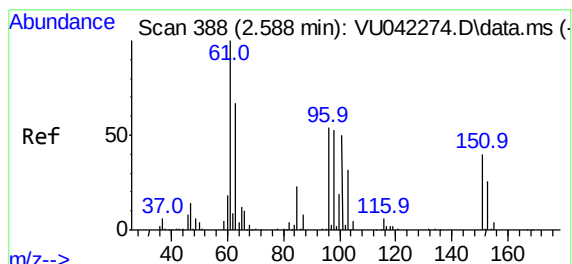
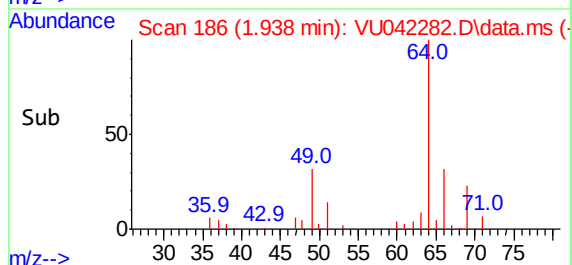
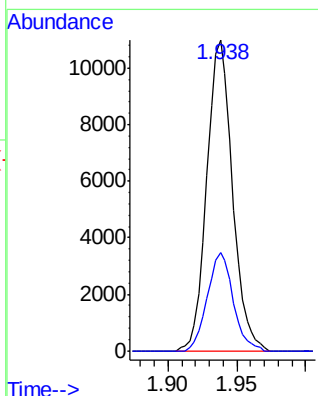
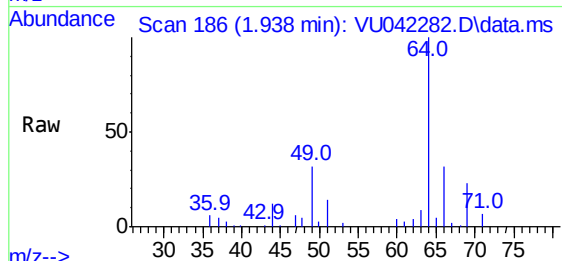




#8
Chloroethane
Concen: 18.12 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.003 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

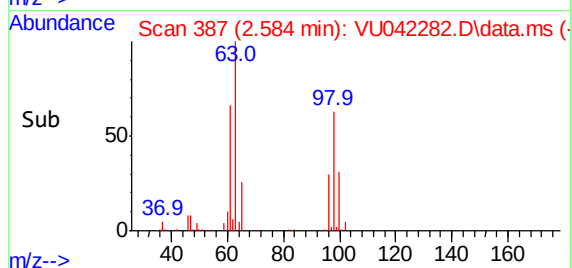
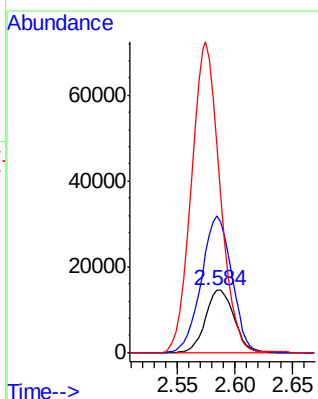
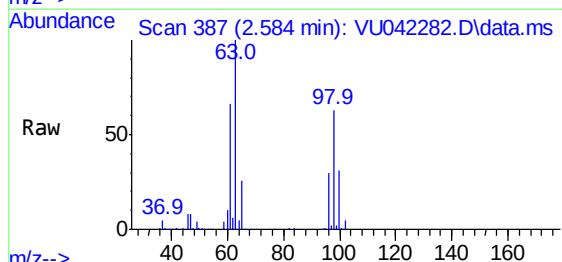
Instrument :
MSVOA_U
ClientSampleId :
X2Z60DL

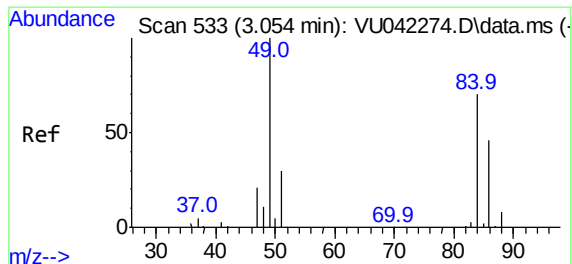
Tgt Ion: 64 Resp: 14151
Ion Ratio Lower Upper
64 100
66 31.5 22.5 41.7



#12
1,1-Dichloroethene
Concen: 20.44 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.004 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Tgt Ion: 96 Resp: 24606
Ion Ratio Lower Upper
96 100
61 219.5 131.6 244.4
63 333.8 92.6 172.0#



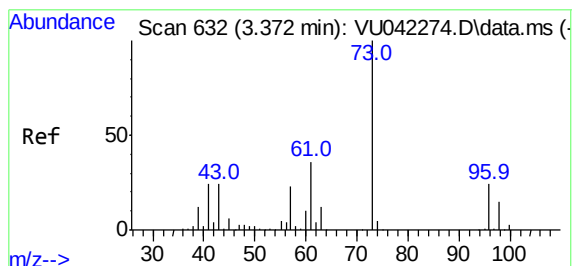
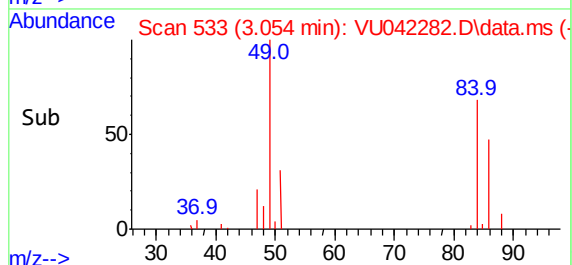
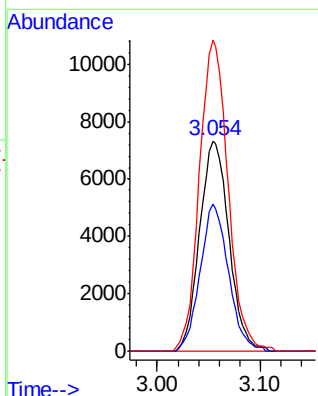
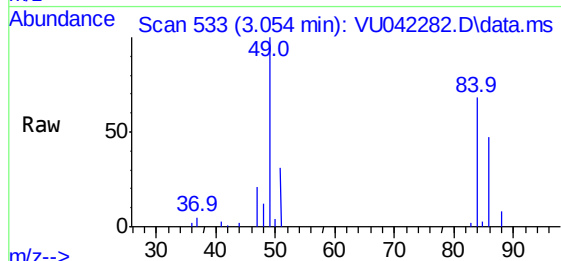


#16
Methylene chloride
Concen: 10.59 ug/L
RT: 3.054 min Scan# 533
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Instrument :
MSVOA_U
ClientSampleId :
X2Z60DL

Tgt Ion: 84 Resp: 14412

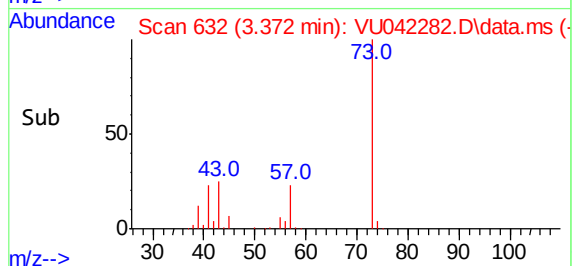
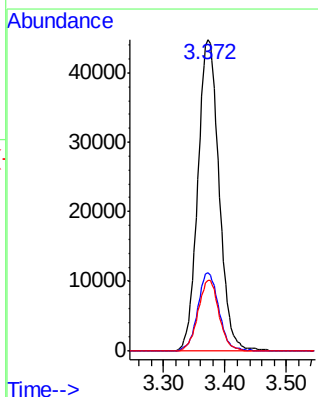
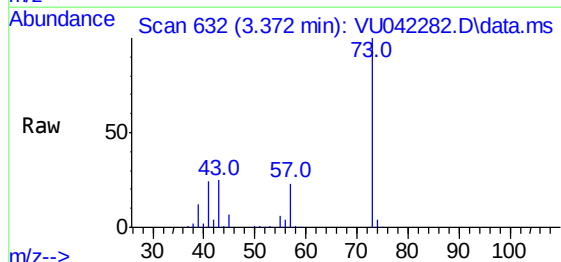
Ion	Ratio	Lower	Upper
84	100		
86	70.0	46.0	85.4
49	147.8	99.5	184.9

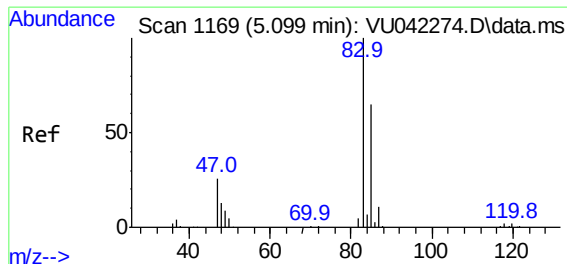


#18
Methyl tert-butyl Ether
Concen: 23.59 ug/L
RT: 3.372 min Scan# 632
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Tgt Ion: 73 Resp: 106460

Ion	Ratio	Lower	Upper
73	100		
43	24.5	19.4	29.0
57	22.1	18.2	27.2

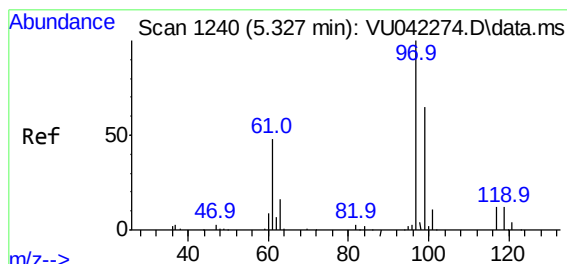
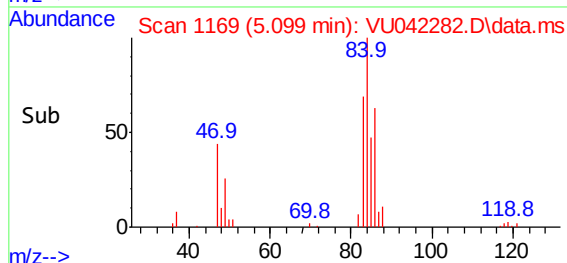
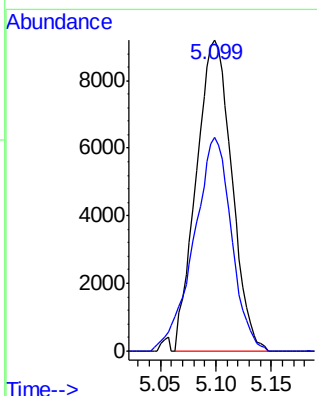
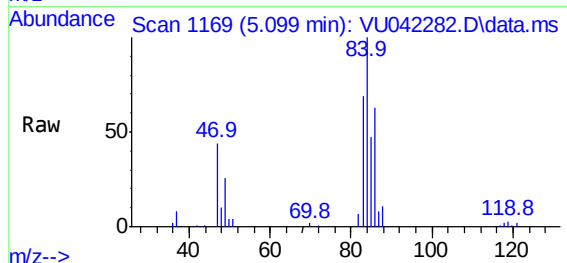




#25
Chloroform
Concen: 7.73 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

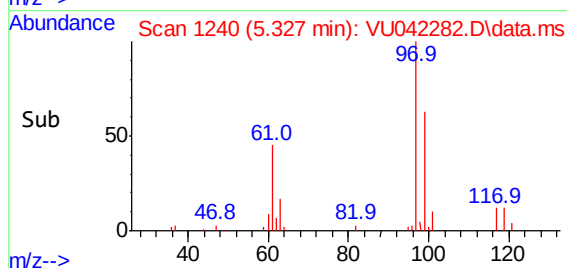
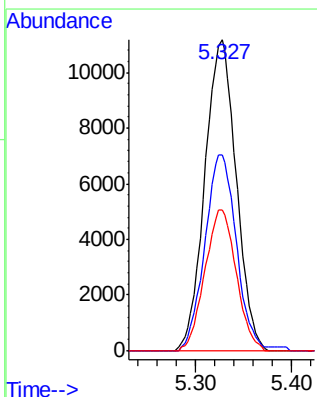
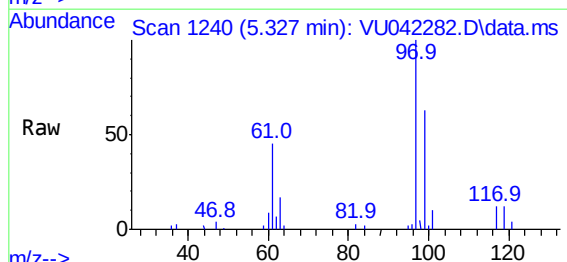
Instrument :
MSVOA_U
ClientSampleId :
X2Z60DL

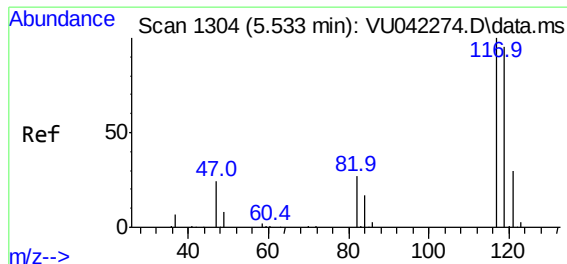
Tgt Ion: 83 Resp: 20379
Ion Ratio Lower Upper
83 100
85 68.5 46.1 85.5



#30
1,1,1-Trichloroethane
Concen: 10.55 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Tgt Ion: 97 Resp: 25275
Ion Ratio Lower Upper
97 100
99 62.9 51.3 76.9
61 45.2 37.7 56.5

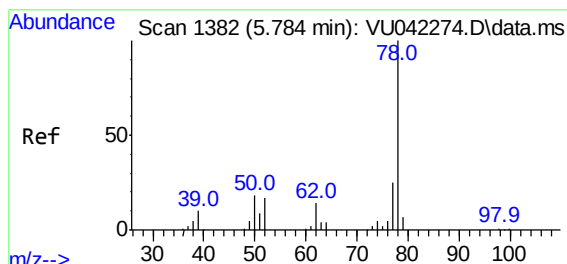
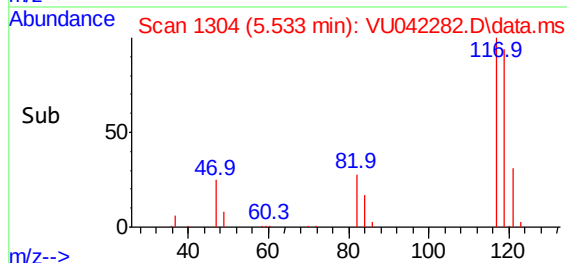
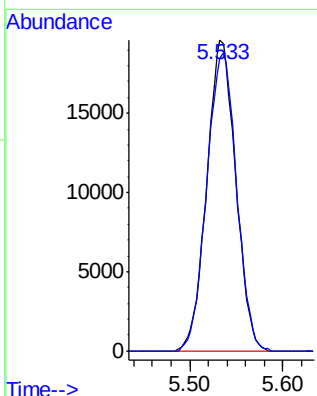
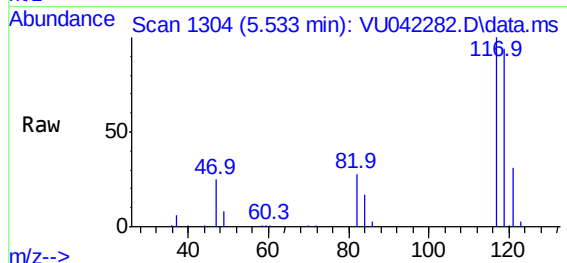




#31
Carbon tetrachloride
Concen: 20.50 ug/L
RT: 5.533 min Scan# 1304
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

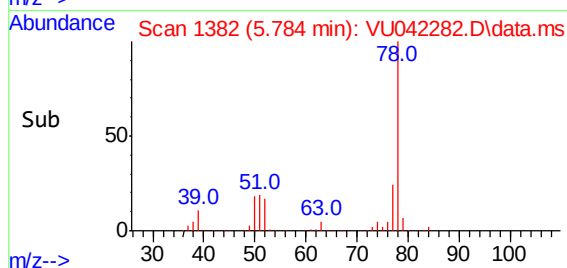
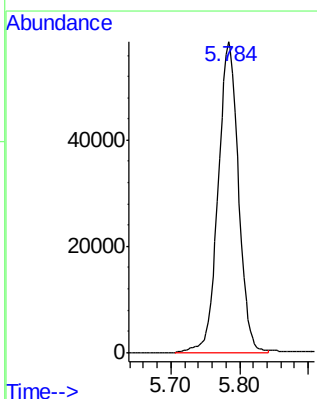
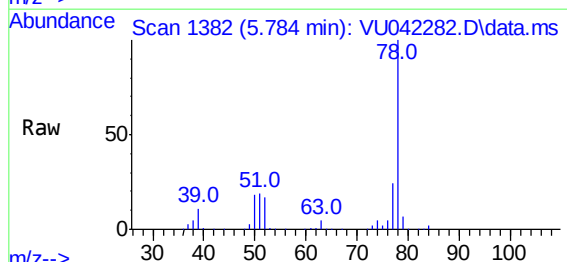
Instrument :
MSVOA_U
ClientSampled :
X2Z60DL

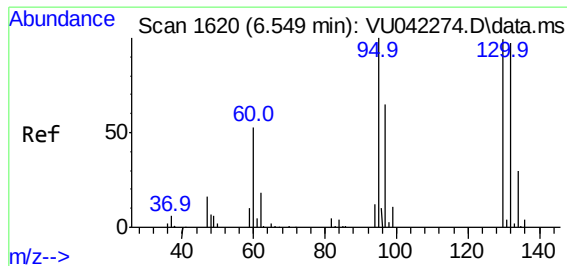
Tgt Ion:117 Resp: 42228
Ion Ratio Lower Upper
117 100
119 98.9 77.5 116.3



#33
Benzene
Concen: 22.45 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Tgt Ion: 78 Resp: 120143



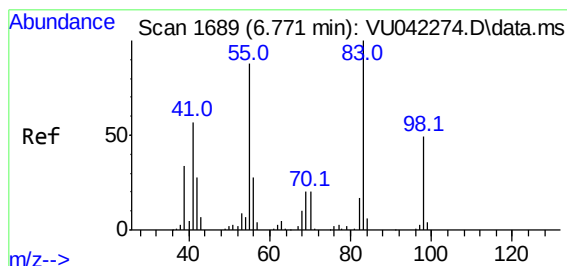
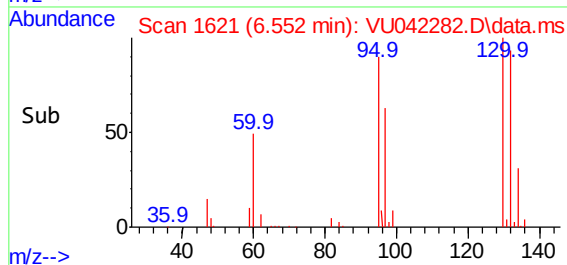
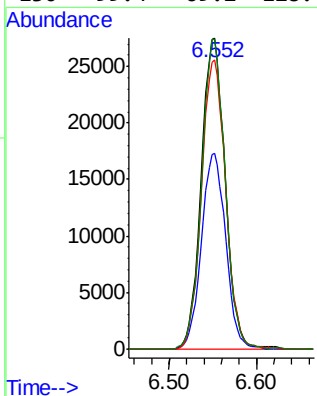
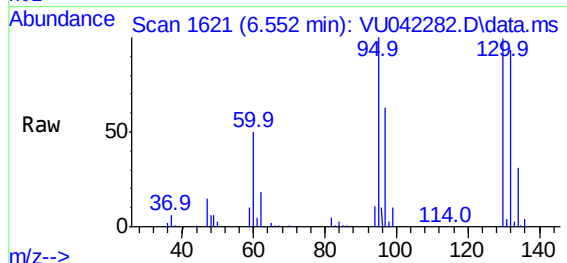


#34
Trichloroethene
Concen: 37.09 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.003 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Instrument :
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ClientSampleId :
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Tgt Ion: 95 Resp: 51996

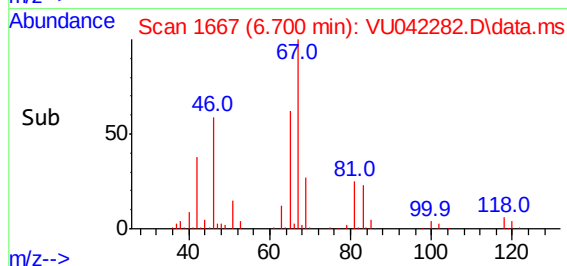
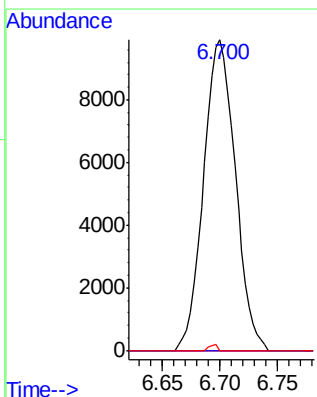
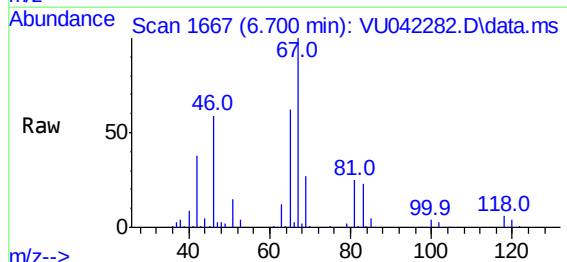
Ion	Ratio	Lower	Upper
95	100		
97	63.0	45.3	84.1
132	92.8	67.5	125.4
130	99.4	69.2	128.4

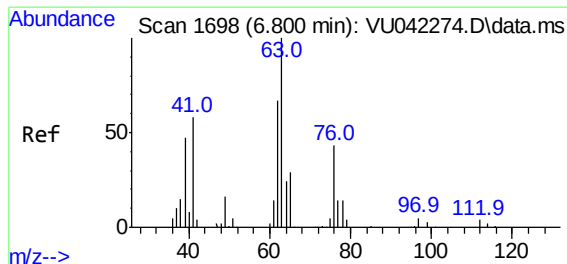


#35
Methylcyclohexane
Concen: 8.76 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Tgt Ion: 83 Resp: 18926

Ion	Ratio	Lower	Upper
83	100		
55	0.0	68.6	102.8#
98	0.5	37.6	56.4#

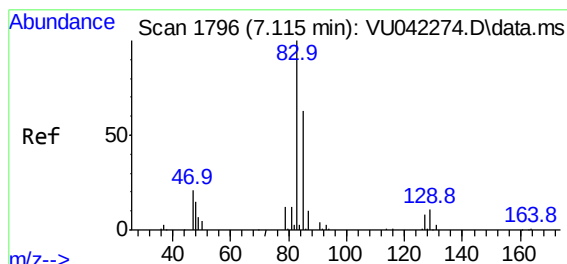
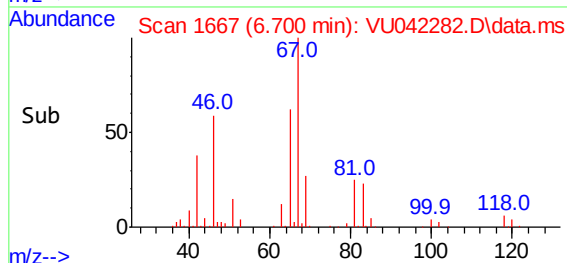
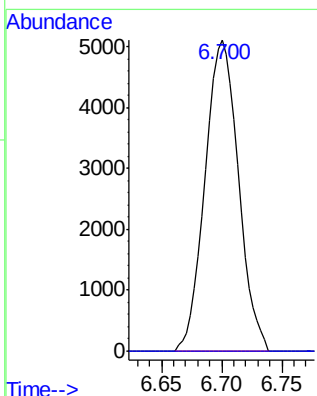
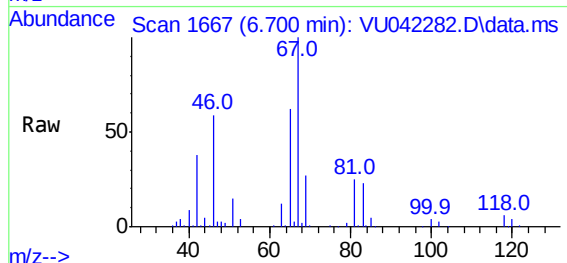




#37
1,2-Dichloropropane
Concen: 6.44 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

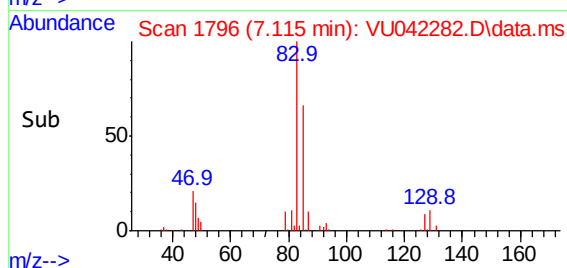
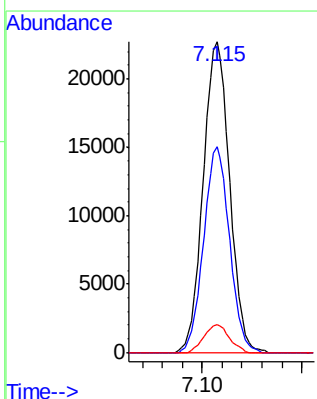
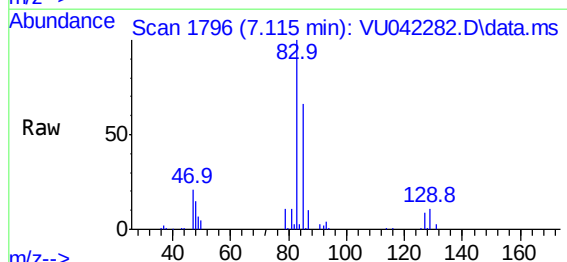
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ClientSampleId :
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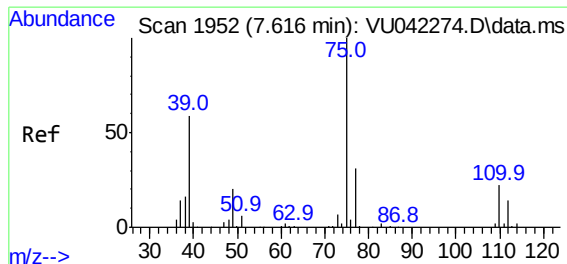
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Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



#38
Bromodichloromethane
Concen: 20.69 ug/L
RT: 7.115 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Tgt Ion: 83 Resp: 41671
Ion Ratio Lower Upper
83 100
85 66.2 43.8 81.4
127 8.9 6.8 10.2

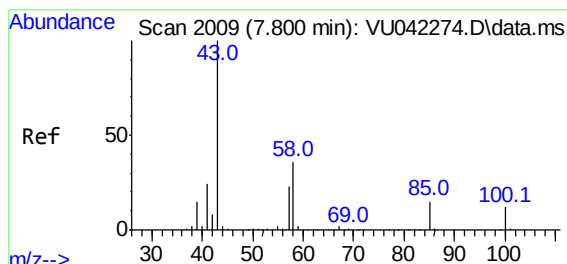
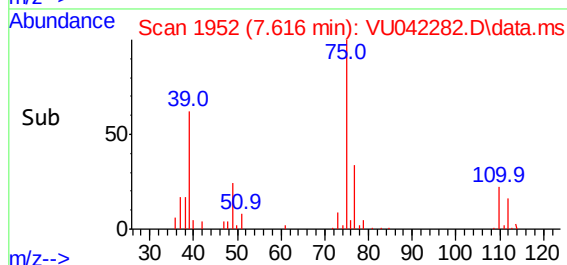
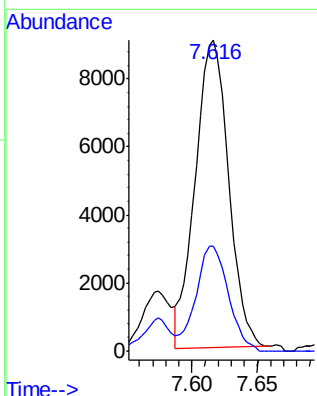
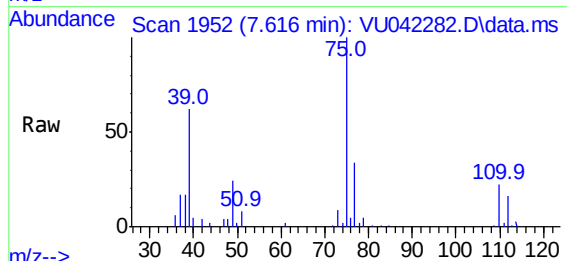




#39
 cis-1,3-Dichloropropene
 Concen: 6.84 ug/L
 RT: 7.616 min Scan# 1952
 Delta R.T. -0.000 min
 Lab File: VU042282.D
 Acq: 05 Feb 2021 16:45

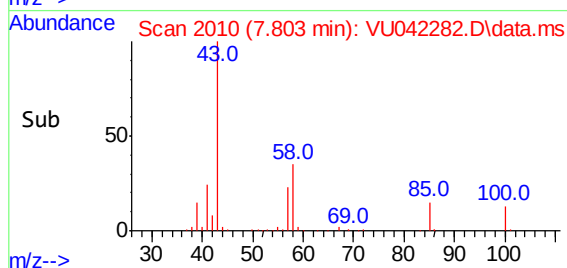
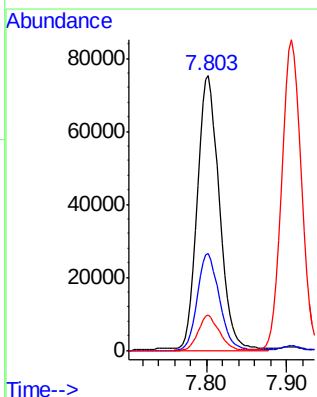
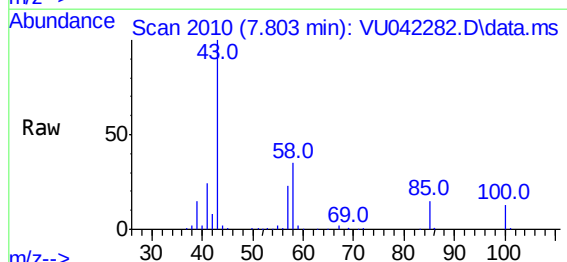
Instrument :
 MSVOA_U
 ClientSampleId :
 X2Z60DL

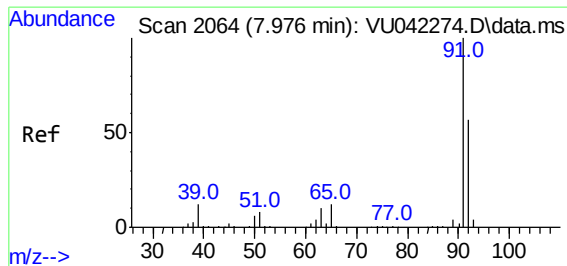
Tgt Ion: 75 Resp: 15955
 Ion Ratio Lower Upper
 75 100
 77 33.8 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 47.25 ug/L
 RT: 7.803 min Scan# 2010
 Delta R.T. 0.003 min
 Lab File: VU042282.D
 Acq: 05 Feb 2021 16:45

Tgt Ion: 43 Resp: 139780
 Ion Ratio Lower Upper
 43 100
 58 35.0 28.7 43.1
 100 12.3 9.7 14.5

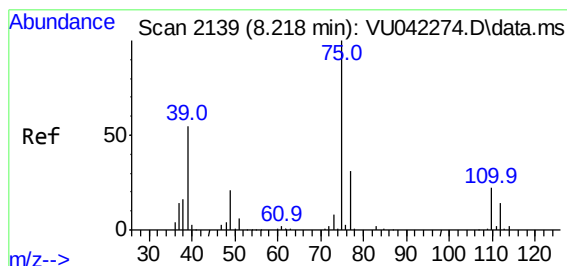
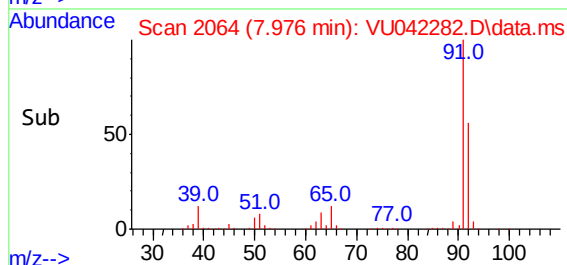
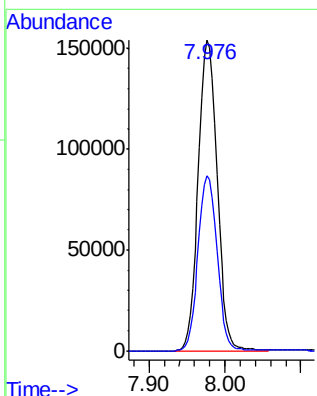
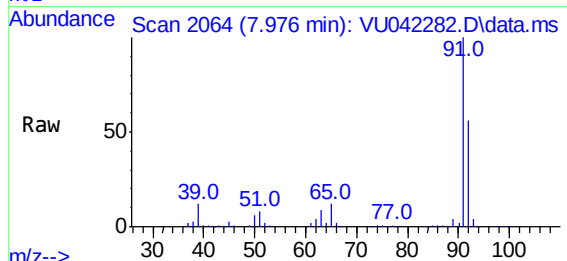




#42
Toluene
Concen: 46.46 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

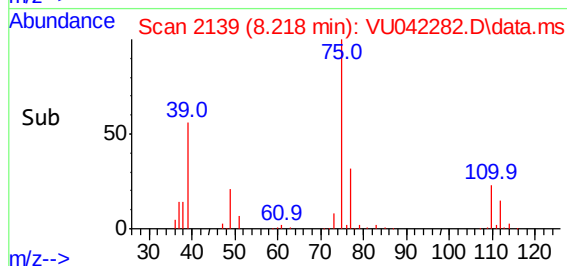
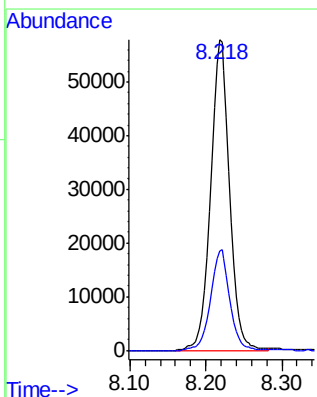
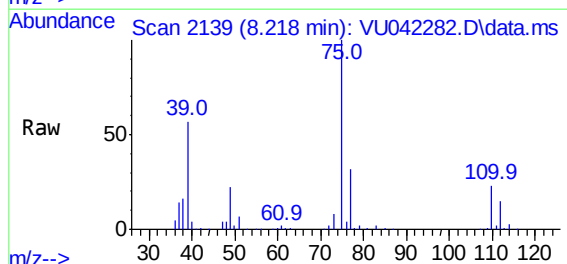
Instrument :
MSVOA_U
ClientSampleId :
X2Z60DL

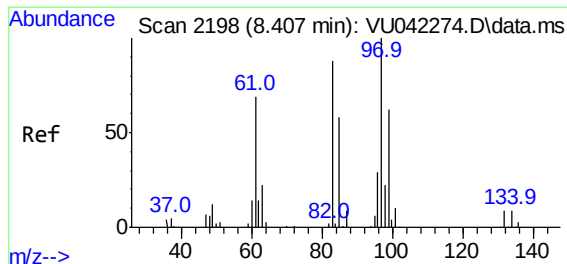
Tgt Ion: 91 Resp: 265576
Ion Ratio Lower Upper
91 100
92 56.4 40.3 74.8



#44
trans-1,3-Dichloropropene
Concen: 43.71 ug/L
RT: 8.218 min Scan# 2139
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Tgt Ion: 75 Resp: 100482
Ion Ratio Lower Upper
75 100
77 32.2 21.6 40.2



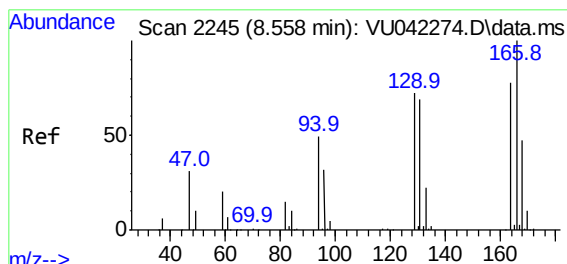
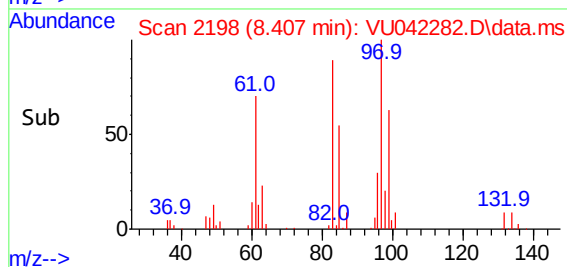
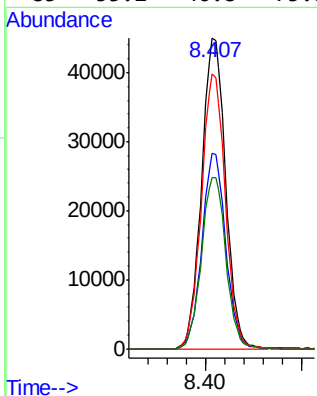
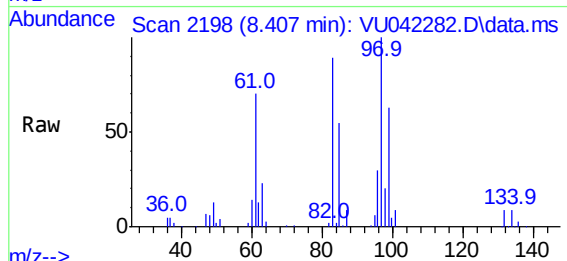


#45
1,1,2-Trichloroethane
Concen: 56.41 ug/L
RT: 8.407 min Scan# 2198
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Instrument :
MSVOA_U
ClientSampleId :
X2Z60DL

Tgt Ion: 97 Resp: 77517

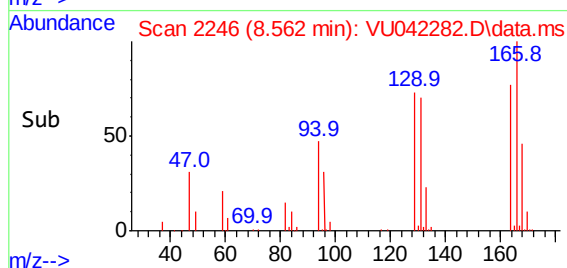
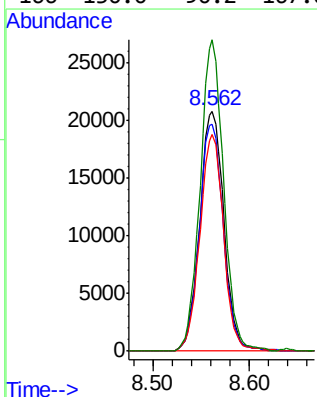
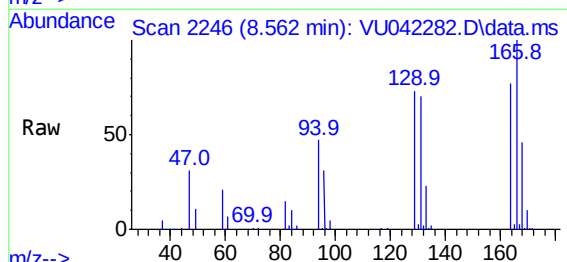
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.7	81.1
83	88.7	61.7	114.7
85	55.2	40.8	75.8

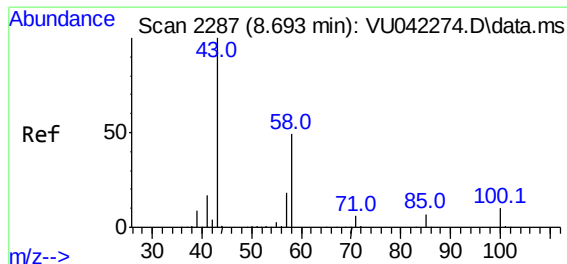


#46
Tetrachloroethene
Concen: 32.38 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.003 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Tgt Ion: 164 Resp: 35872

Ion	Ratio	Lower	Upper
164	100		
129	94.6	65.2	121.2
131	90.5	62.4	115.8
166	130.0	90.2	167.6

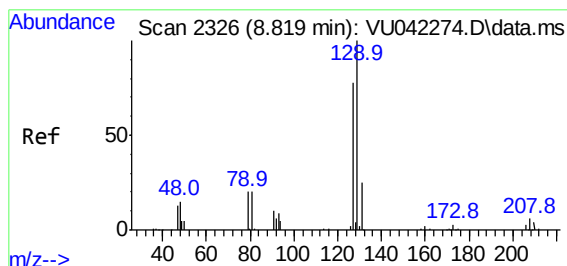
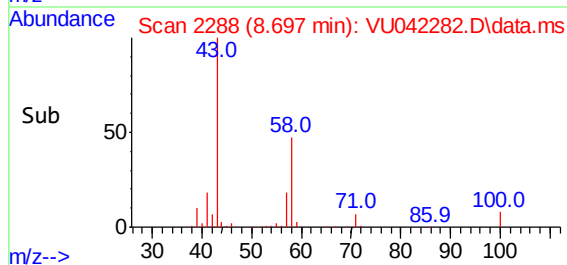
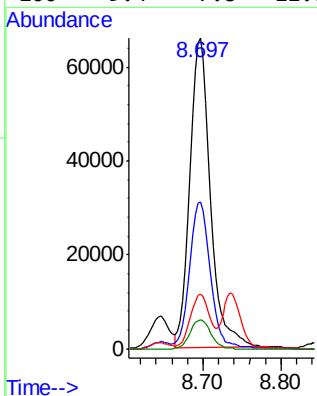
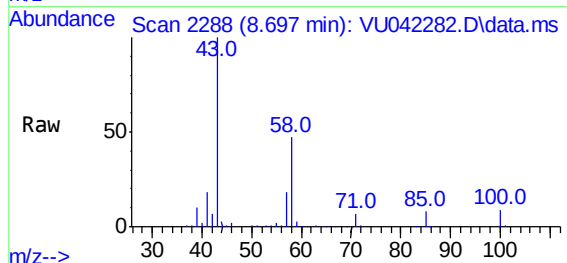




#48
2-Hexanone
Concen: 49.68 ug/L
RT: 8.697 min Scan# 2288
Delta R.T. 0.003 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

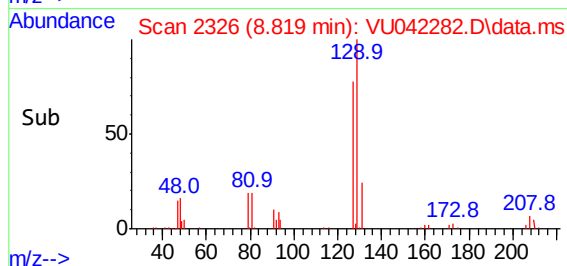
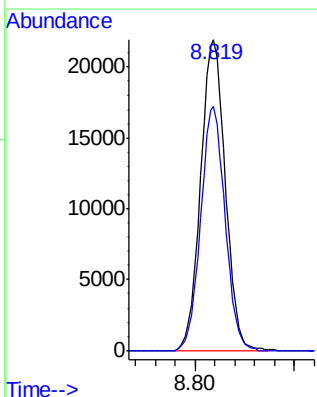
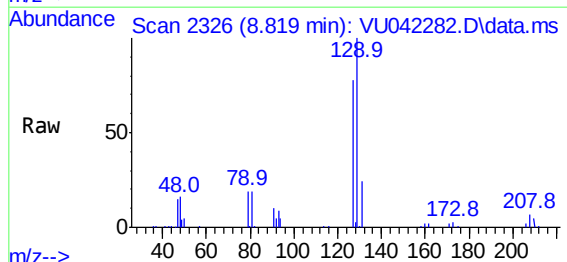
Instrument :
MSVOA_U
ClientSampleId :
X2Z60DL

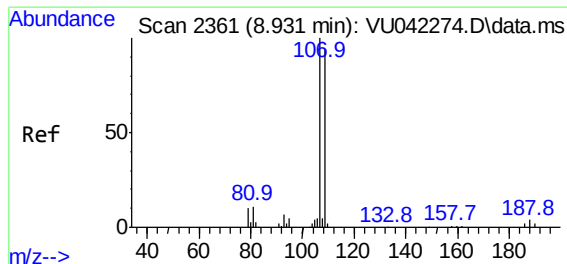
Tgt Ion: 43 Resp: 118992
Ion Ratio Lower Upper
43 100
58 46.0 39.2 58.8
57 16.7 14.4 21.6
100 9.4 7.8 11.6



#49
Dibromochloromethane
Concen: 23.46 ug/L
RT: 8.819 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Tgt Ion: 129 Resp: 37544
Ion Ratio Lower Upper
129 100
127 78.4 54.7 101.7

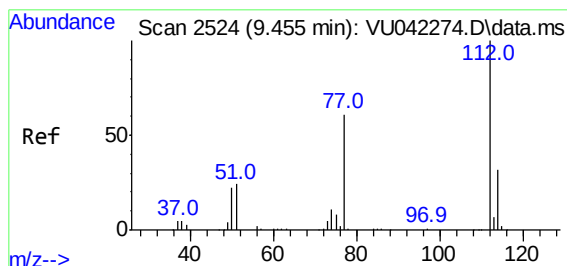
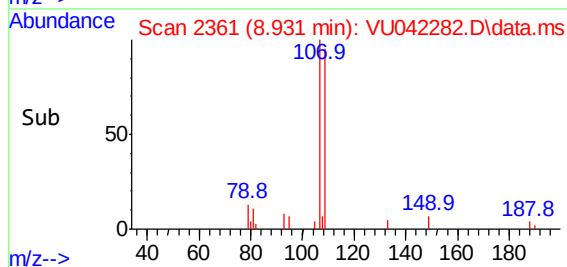
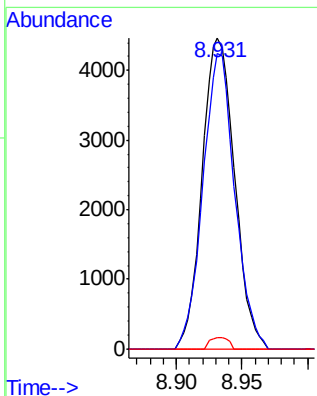
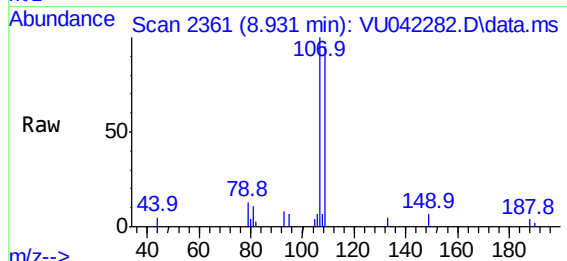




#50
1,2-Dibromoethane
Concen: 4.96 ug/L
RT: 8.931 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

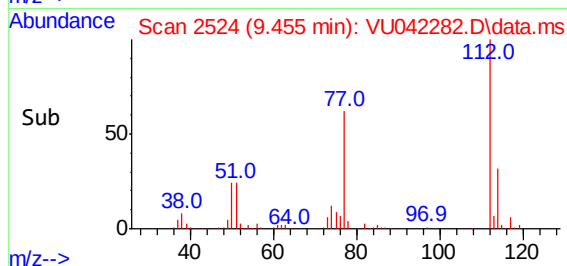
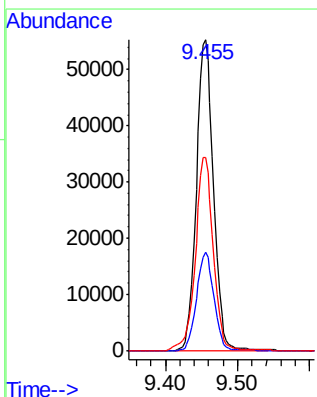
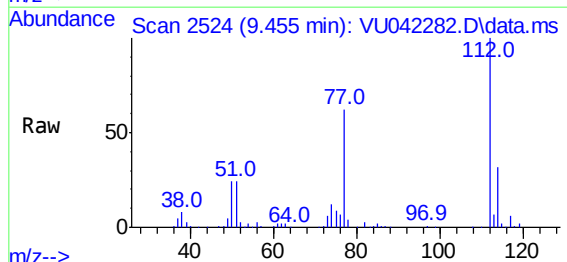
Instrument :
MSVOA_U
ClientSampleId :
X2Z60DL

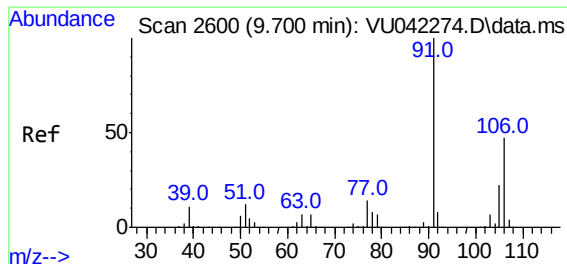
Tgt Ion:107 Resp: 7649
Ion Ratio Lower Upper
107 100
109 95.1 65.7 121.9
188 3.6 3.4 5.0



#51
Chlorobenzene
Concen: 24.95 ug/L
RT: 9.455 min Scan# 2524
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Tgt Ion:112 Resp: 90514
Ion Ratio Lower Upper
112 100
114 31.6 22.7 42.1
77 61.9 49.4 74.2

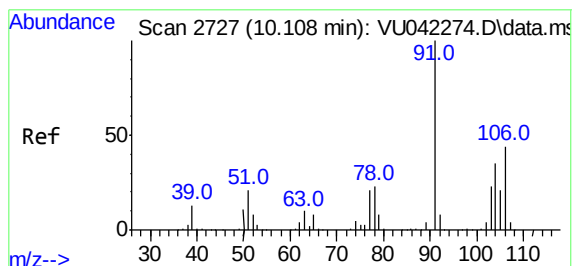
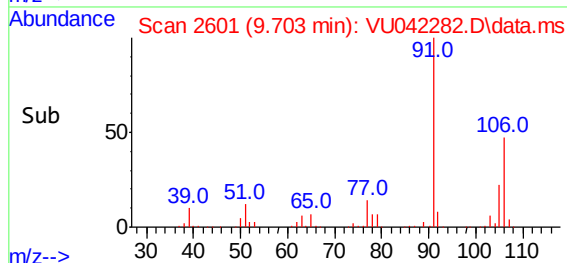
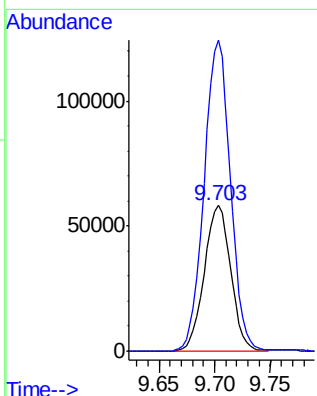
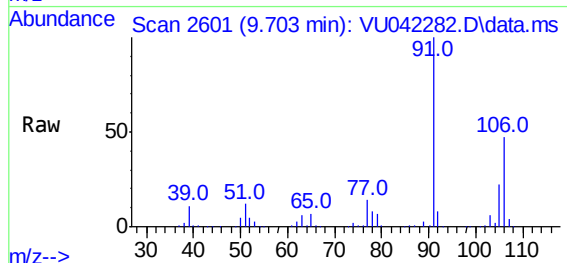




#53
m,p-Xylene
Concen: 40.46 ug/L
RT: 9.703 min Scan# 2601
Delta R.T. 0.003 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

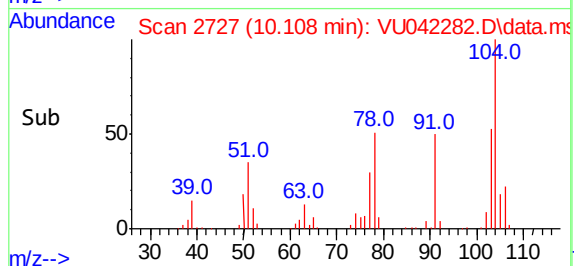
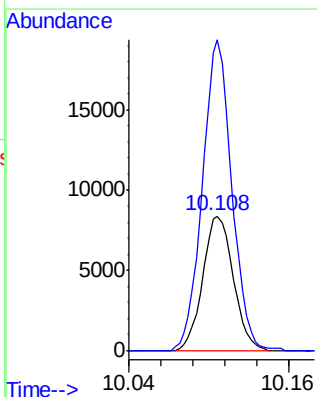
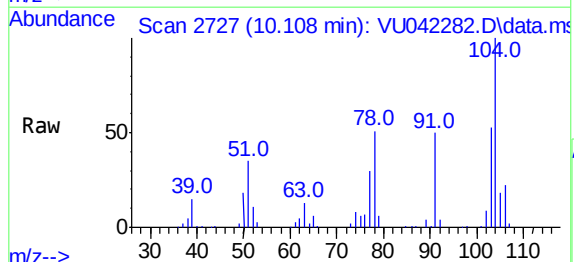
Instrument :
MSVOA_U
ClientSampled :
X2Z60DL

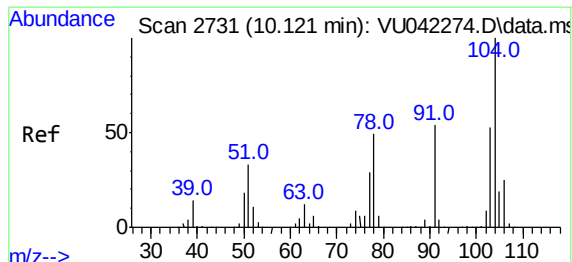
Tgt Ion:106 Resp: 95999
Ion Ratio Lower Upper
106 100
91 213.7 149.7 277.9



#54
o-xylene
Concen: 5.71 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Tgt Ion:106 Resp: 13486
Ion Ratio Lower Upper
106 100
91 231.3 157.4 292.2

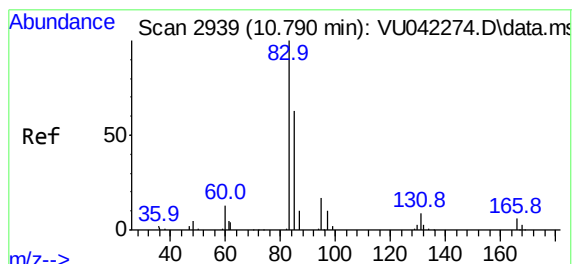
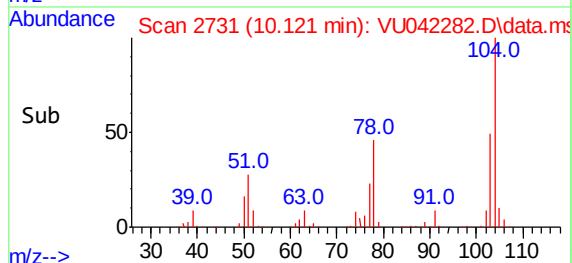
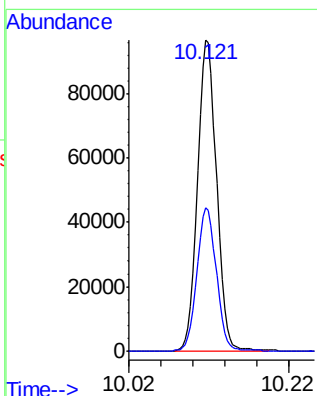
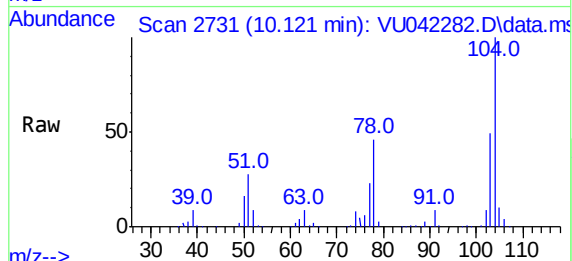




#55
Styrene
Concen: 38.28 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

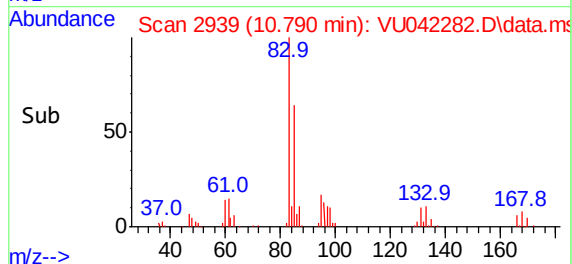
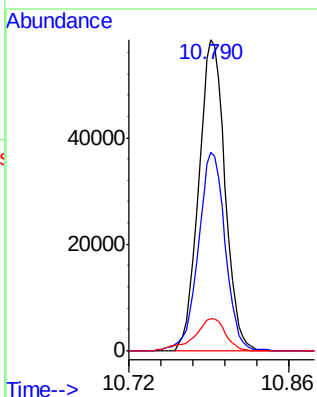
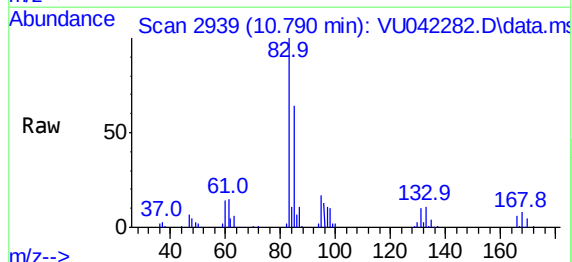
Instrument :
MSVOA_U
ClientSampleId :
X2Z60DL

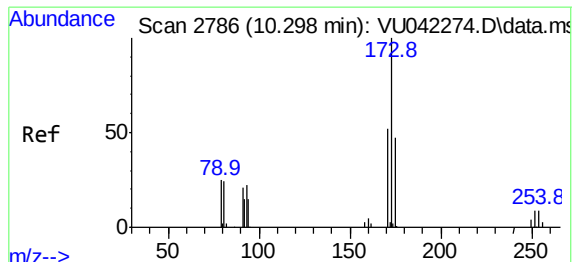
Tgt Ion:104 Resp: 154442
Ion Ratio Lower Upper
104 100
78 46.1 34.4 64.0



#57
1,1,2,2-Tetrachloroethane
Concen: 37.97 ug/L
RT: 10.790 min Scan# 2939
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Tgt Ion: 83 Resp: 94986
Ion Ratio Lower Upper
83 100
85 63.8 45.4 84.2
131 10.3 8.1 12.1

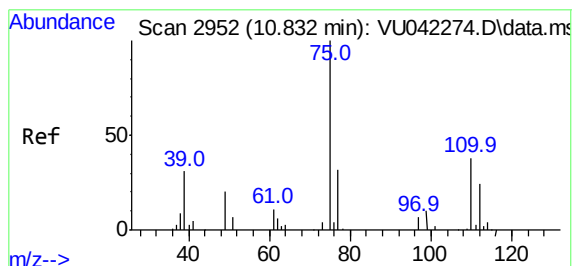
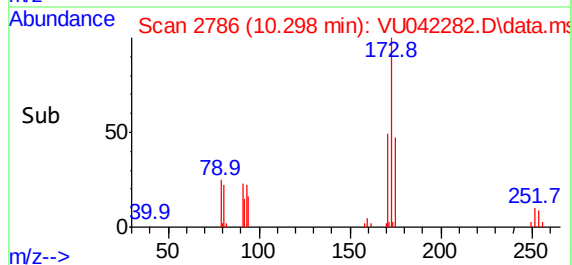
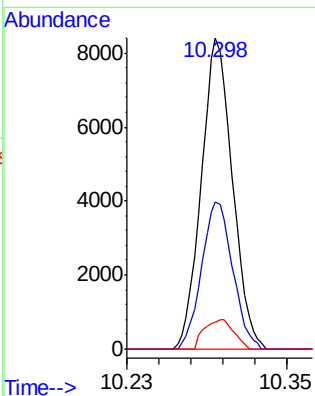
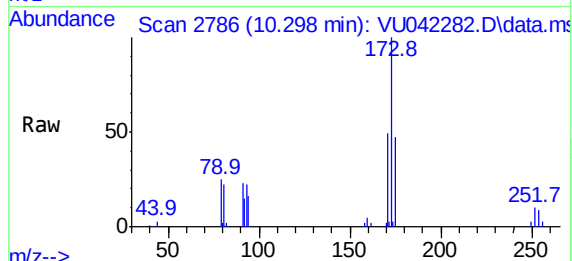




#59
Bromoform
Concen: 10.74 ug/L
RT: 10.298 min Scan# 2786
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

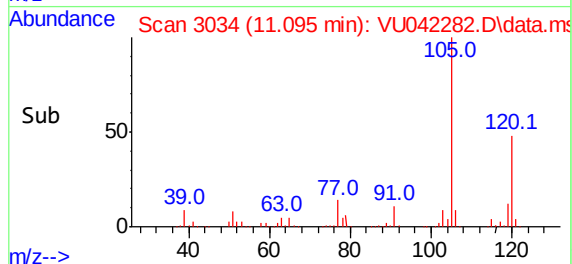
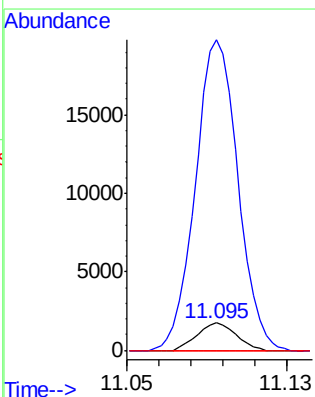
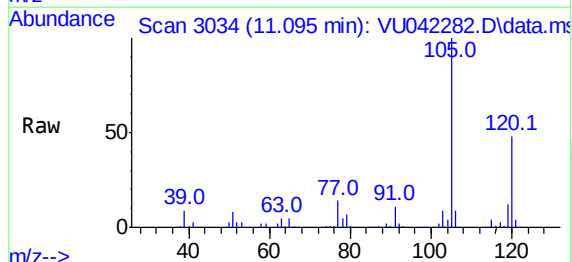
Instrument :
MSVOA_U
ClientSampleId :
X2Z60DL

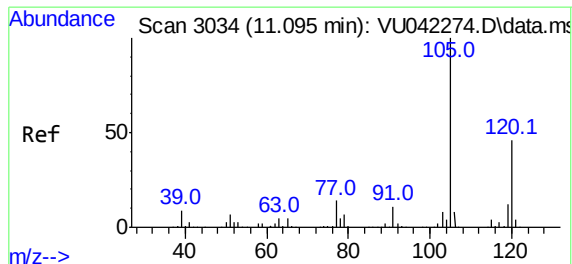
Tgt Ion:173 Resp: 13777
Ion Ratio Lower Upper
173 100
175 47.2 39.0 58.4
254 8.9 7.4 11.0



#60
1,2,3-Trichloropropane
Concen: 1.22 ug/L
RT: 11.095 min Scan# 3034
Delta R.T. 0.264 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Tgt Ion: 75 Resp: 2449
Ion Ratio Lower Upper
75 100
77 1240.1 25.4 38.2#
110 0.0 30.3 45.5#



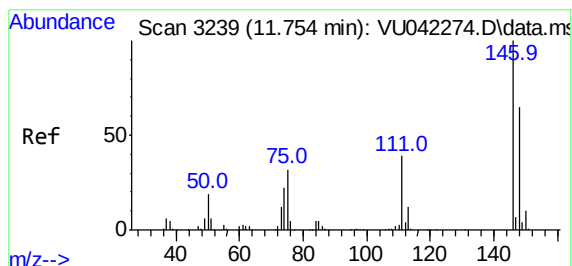
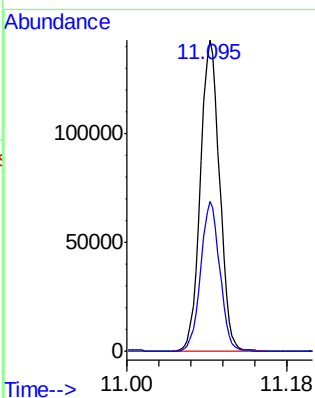
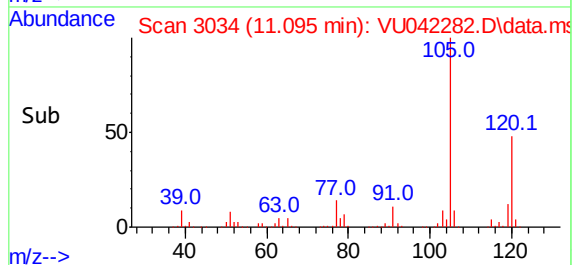
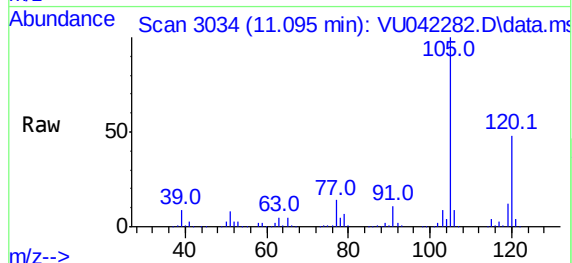


#62
 1,3,5-Trimethylbenzene
 Concen: 41.16 ug/L
 RT: 11.095 min Scan# 3034
 Delta R.T. -0.000 min
 Lab File: VU042282.D
 Acq: 05 Feb 2021 16:45

Instrument :
 MSVOA_U
 ClientSampleId :
 X2Z60DL

Tgt Ion:105 Resp: 216774

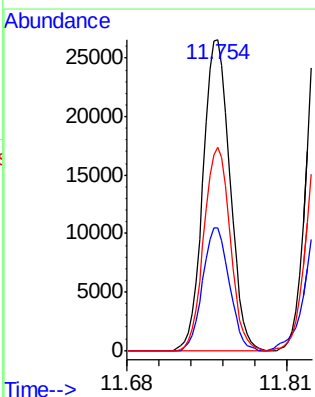
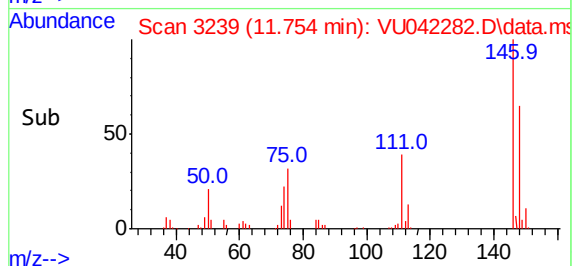
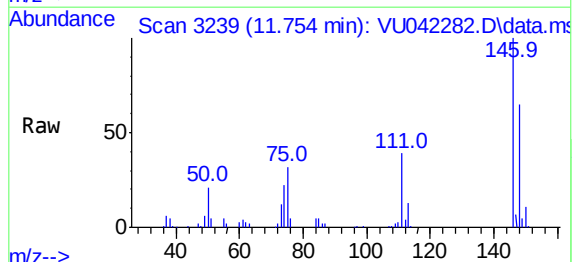
Ion	Ratio	Lower	Upper
105	100		
120	47.5	37.2	55.8

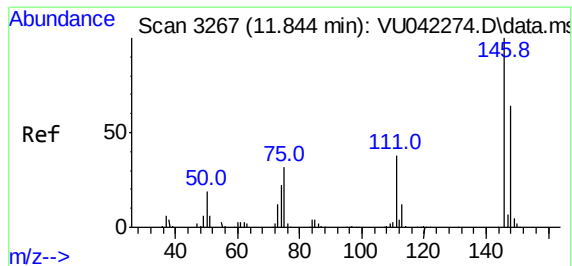


#64
 1,3-Dichlorobenzene
 Concen: 14.84 ug/L
 RT: 11.754 min Scan# 3239
 Delta R.T. -0.000 min
 Lab File: VU042282.D
 Acq: 05 Feb 2021 16:45

Tgt Ion:146 Resp: 42581

Ion	Ratio	Lower	Upper
146	100		
111	39.3	27.6	51.2
148	65.4	45.4	84.2

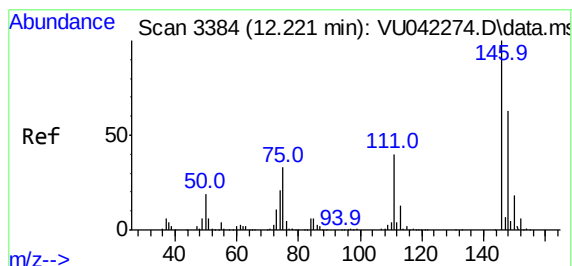
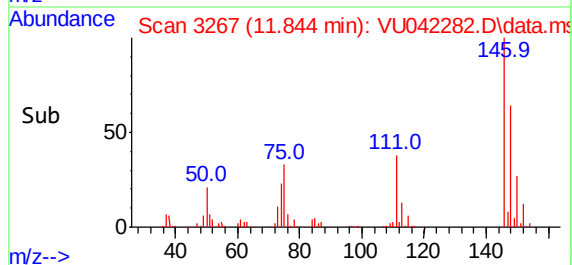
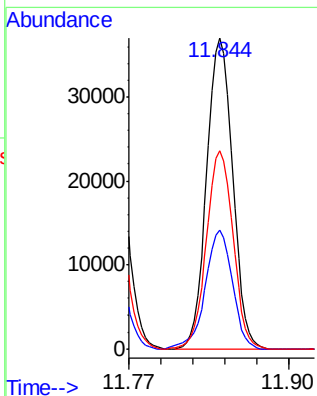
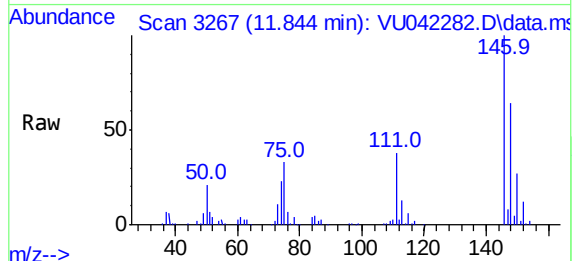




#65
1,4-Dichlorobenzene
Concen: 19.72 ug/L
RT: 11.844 min Scan# 3267
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

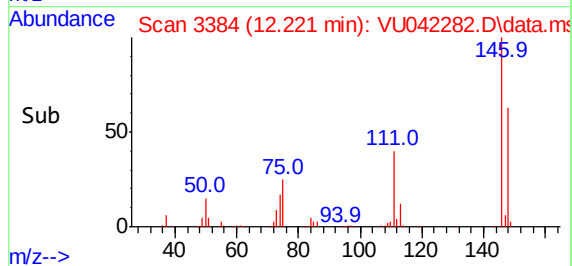
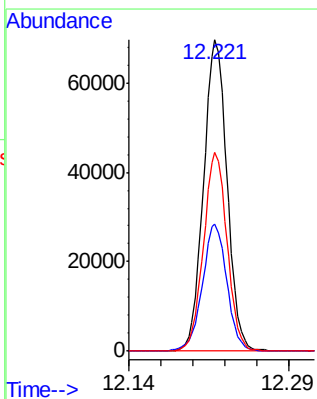
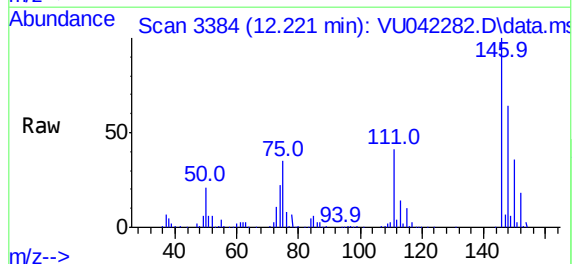
Instrument :
MSVOA_U
ClientSampleId :
X2Z60DL

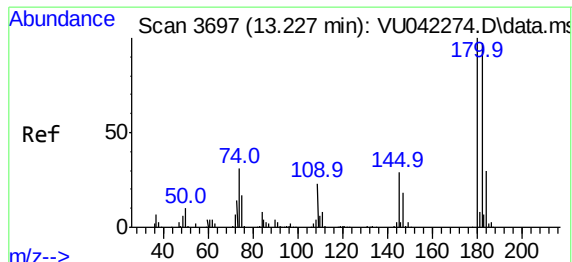
Tgt Ion:146 Resp: 57651
Ion Ratio Lower Upper
146 100
111 38.0 26.6 49.4
148 63.6 44.6 82.8



#67
1,2-Dichlorobenzene
Concen: 37.21 ug/L
RT: 12.221 min Scan# 3384
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Tgt Ion:146 Resp: 109753
Ion Ratio Lower Upper
146 100
111 40.7 31.9 47.9
148 63.8 50.2 75.4

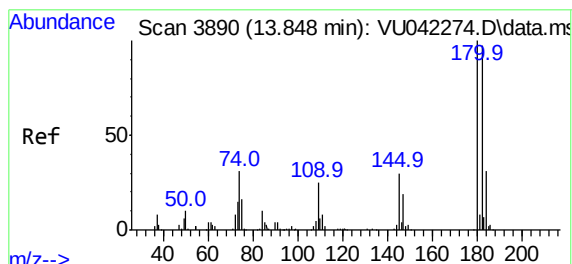
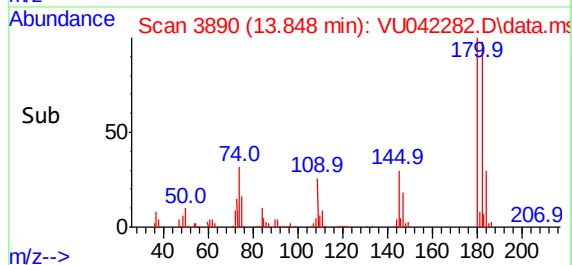
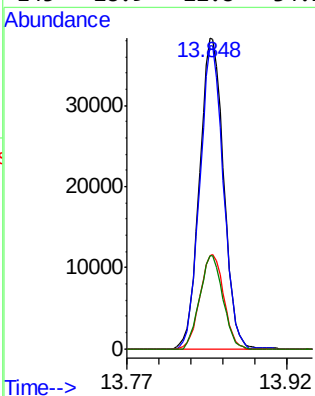
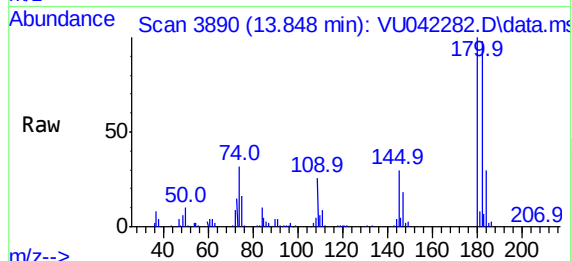




#69
1,3,5-Trichlorobenzene
Concen: 27.88 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.620 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Instrument :
MSVOA_U
ClientSampleId :
X2Z60DL

Tgt Ion:180 Resp: 61686
Ion Ratio Lower Upper
180 100
182 95.4 76.8 115.2
184 30.0 24.1 36.1
145 28.9 22.8 34.2



#70
1,2,4-trichlorobenzene
Concen: 33.24 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. -0.000 min
Lab File: VU042282.D
Acq: 05 Feb 2021 16:45

Tgt Ion:180 Resp: 61686
Ion Ratio Lower Upper
180 100
182 95.4 77.2 115.8
145 28.9 23.7 35.5

