

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012021\
 Data File : VU042118.D
 Acq On : 20 Jan 2021 20:12
 Operator : SY/MD
 Sample : M1180-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E05

Quant Time: Jan 21 04:27:16 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 21 04:09:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	118393	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	110112	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.822	152	58146	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	34402	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.919	69	28518	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.568	63	52931	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	4.662	46	115226	41.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.70%
24) Chloroform-d	5.073	84	71227	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.713	65	43728	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.735	84	136503	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.700	67	44164	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.906	98	124821	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloroprop...	8.189	79	21302	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.645	63	96306	47.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.10%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	37379	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	12.201	152	52530	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	712	0.07	ug/L	92
8) Chloroethane	2.057	64	221	0.04	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	403	0.05	ug/L #	18
12) 1,1-Dichloroethene	2.572	96	438	0.05	ug/L #	1
14) Carbon disulfide	2.793	76	1341	0.05	ug/L #	75
17) Methyl tert-butyl Ether	3.372	73	3866	0.17	ug/L #	50
22) cis-1,2-Dichloroethene	4.674	96	14117	1.55	ug/L	96
27) 1,2-Dichloroethane	5.735	62	870	0.08	ug/L #	75
33) Benzene	5.777	78	1083	0.03	ug/L	100
35) Methylcyclohexane	6.700	83	10701	0.73	ug/L #	29
37) 1,2-Dichloropropane	6.700	63	5146	0.60	ug/L #	87
39) cis-1,3-Dichloropropene	7.575	75	1443	0.10	ug/L #	67
40) 4-Methyl-2-pentanone	7.806	43	3357	0.46	ug/L #	89
42) Toluene	7.976	91	2092	0.06	ug/L	77
44) trans-1,3-Dichloropropene	8.189	75	961	0.07	ug/L #	72
47) Tetrachloroethene	8.555	164	507	0.07	ug/L	92
48) 2-Hexanone	8.694	43	2461	0.48	ug/L #	75
49) Dibromochloromethane	8.558	129	514	0.06	ug/L #	12
55) Styrene	10.121	104	1127	0.04	ug/L	97
59) 1,2,3-Trichloropropane	11.819	75	6432	1.07	ug/L	92

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

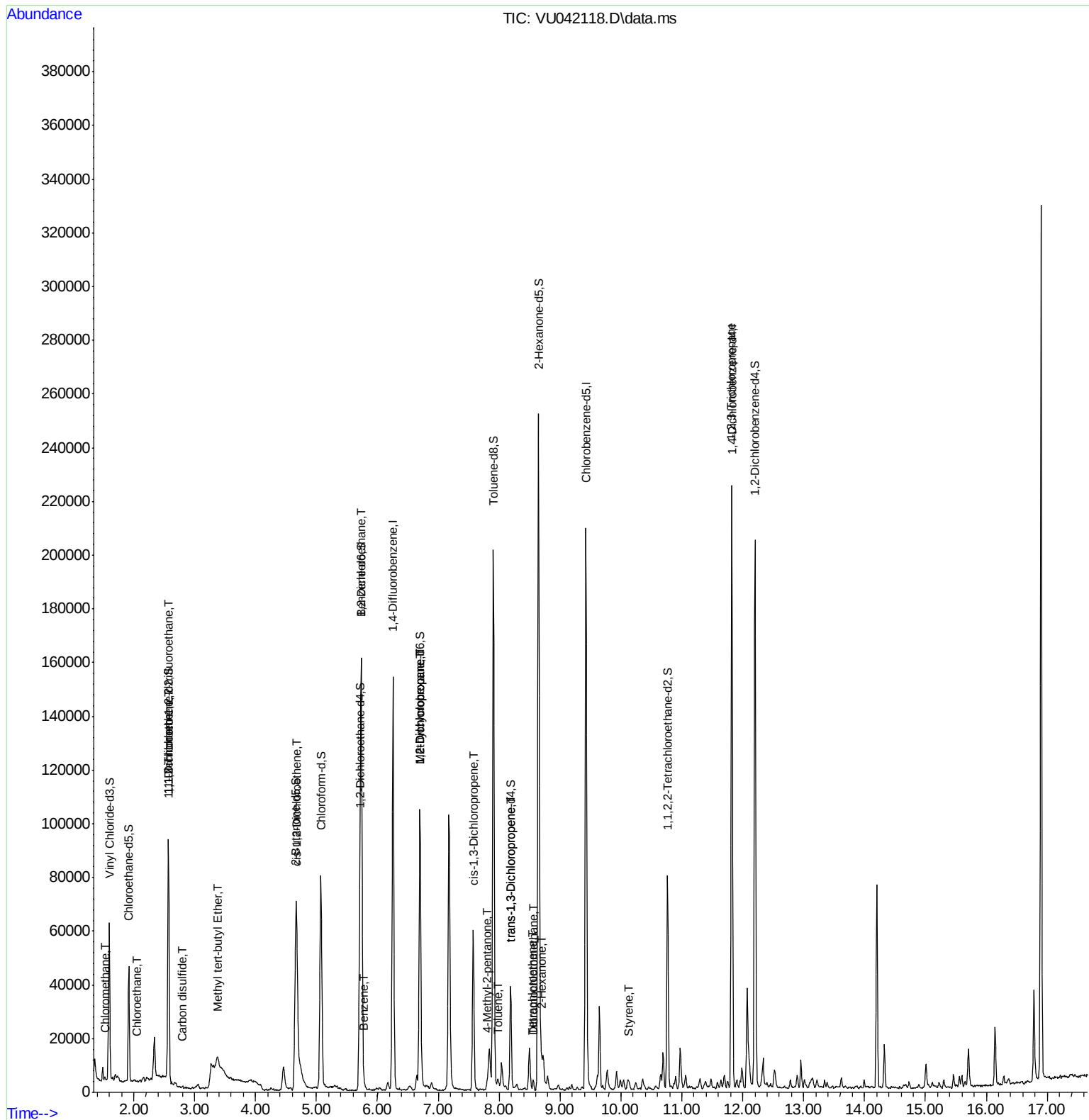
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

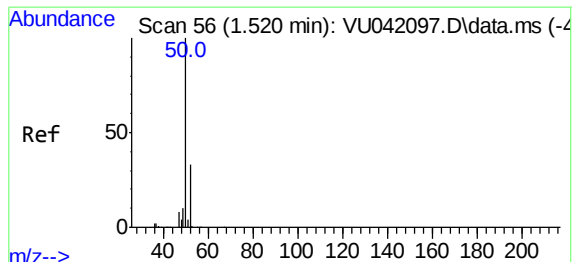
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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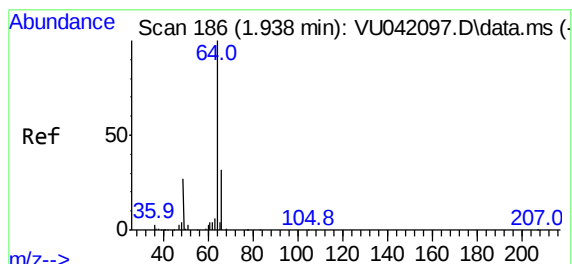
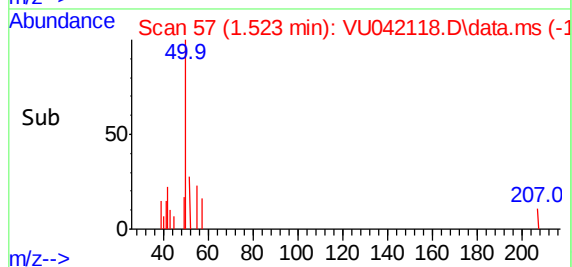
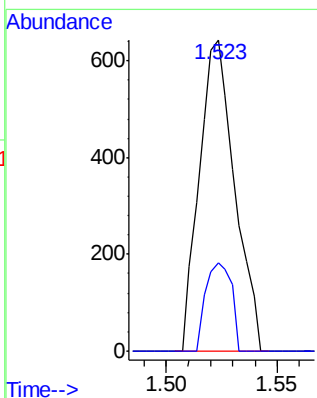
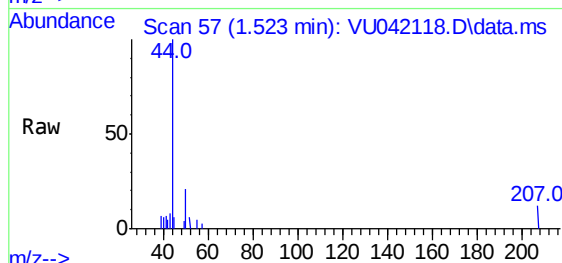




#3
Chloromethane
Concen: 0.07 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU042118.D
Acq: 20 Jan 2021 20:12

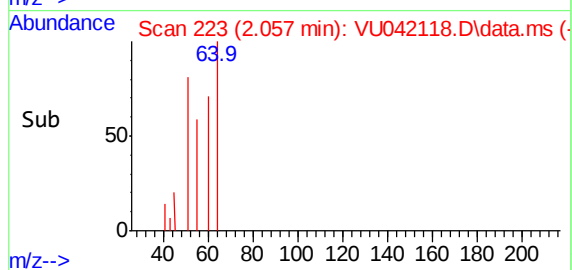
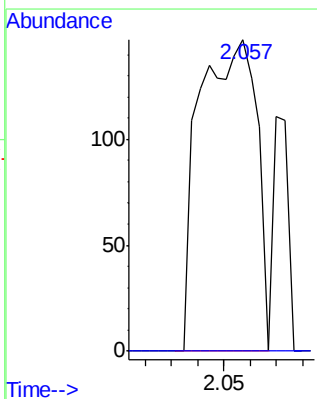
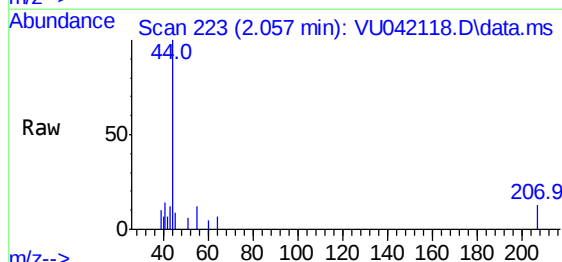
Instrument :
MSVOA_U
ClientSampleId :
F1E05

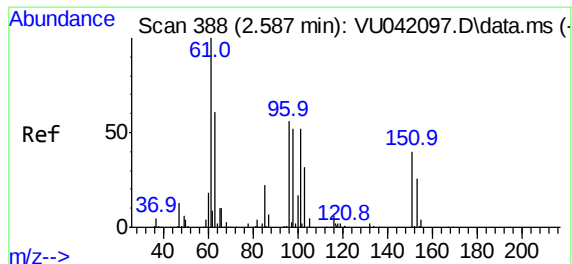
Tgt Ion: 50 Resp: 712
Ion Ratio Lower Upper
50 100
52 28.5 23.0 42.8



#8
Chloroethane
Concen: 0.04 ug/L
RT: 2.057 min Scan# 223
Delta R.T. 0.119 min
Lab File: VU042118.D
Acq: 20 Jan 2021 20:12

Tgt Ion: 64 Resp: 221
Ion Ratio Lower Upper
64 100
66 0.0 22.2 41.2#

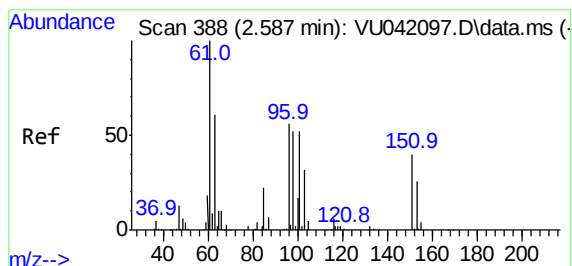
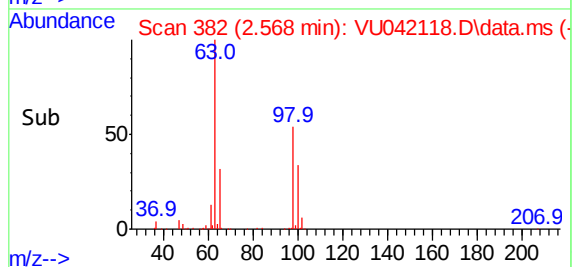
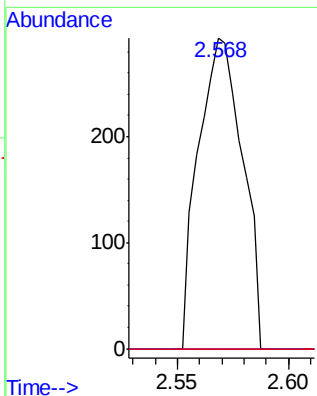
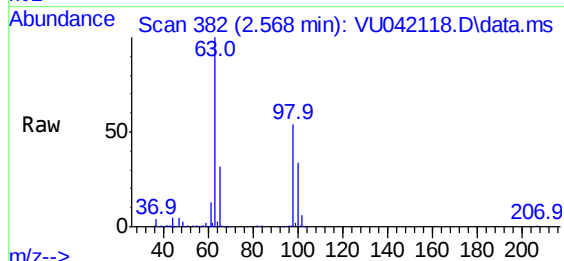




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.05 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU042118.D
 Acq: 20 Jan 2021 20:12

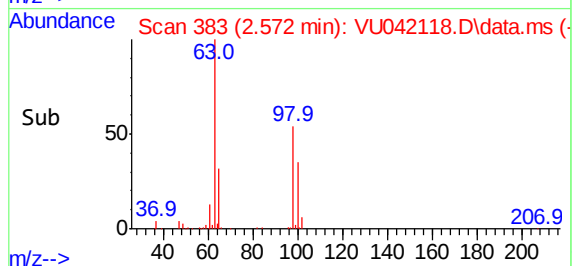
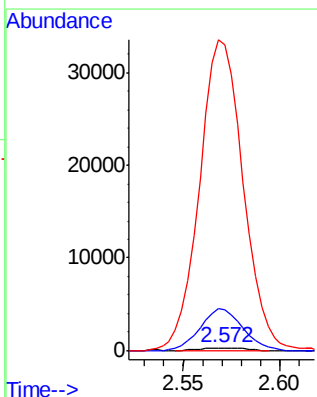
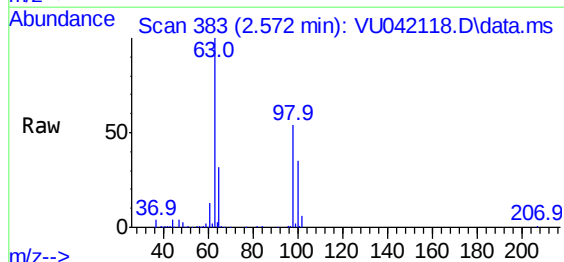
Instrument :
 MSVOA_U
 ClientSampleId :
 F1E05

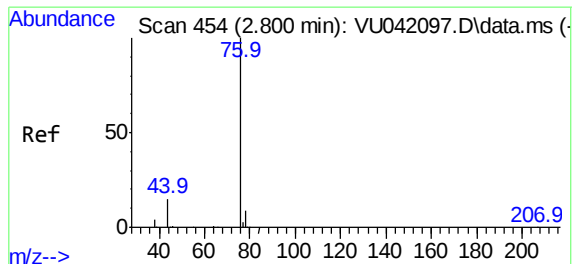
Tgt Ion:101 Resp: 403
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 62.7 94.1#



#12
 1,1-Dichloroethene
 Concen: 0.05 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU042118.D
 Acq: 20 Jan 2021 20:12

Tgt Ion: 96 Resp: 438
 Ion Ratio Lower Upper
 96 100
 61 1631.9 126.2 234.4#
 63 12222.2 77.8 144.4#

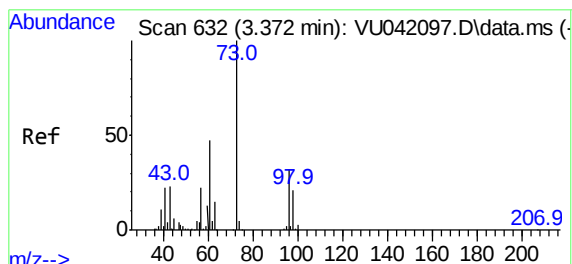
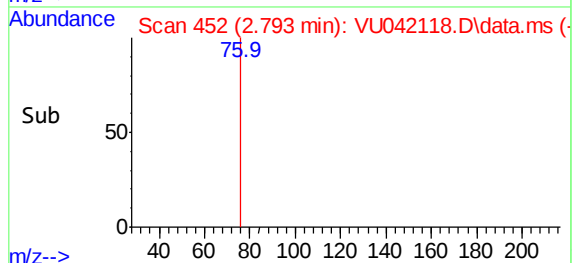
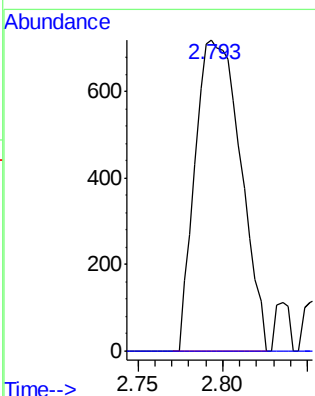
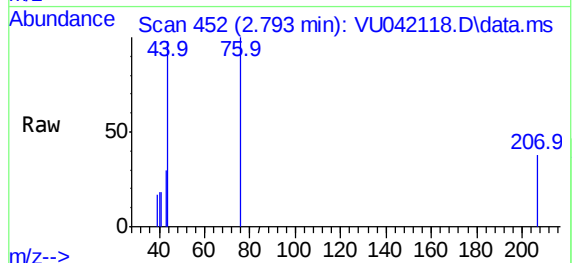




#14
Carbon disulfide
Concen: 0.05 ug/L
RT: 2.793 min Scan# 452
Delta R.T. -0.006 min
Lab File: VU042118.D
Acq: 20 Jan 2021 20:12

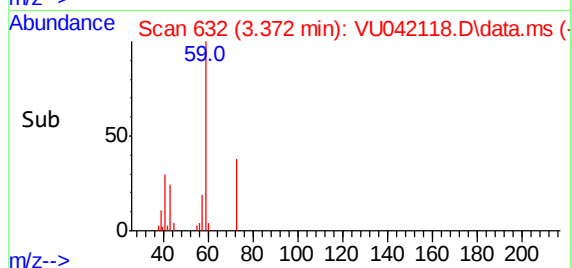
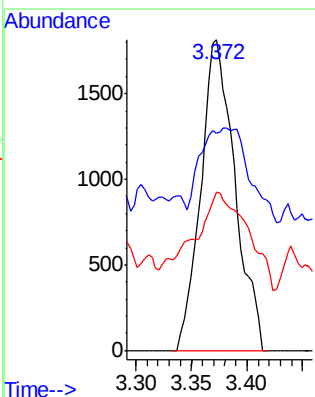
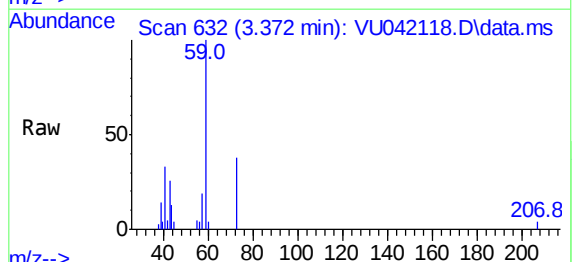
Instrument :
MSVOA_U
ClientSampleId :
F1E05

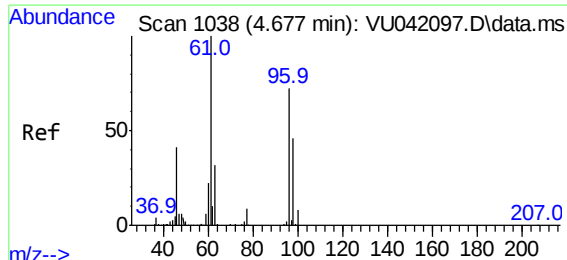
Tgt Ion: 76 Resp: 1341
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#17
Methyl tert-butyl Ether
Concen: 0.17 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.000 min
Lab File: VU042118.D
Acq: 20 Jan 2021 20:12

Tgt Ion: 73 Resp: 3866
Ion Ratio Lower Upper
73 100
43 43.5 18.9 28.3#
57 51.3 18.2 27.4#



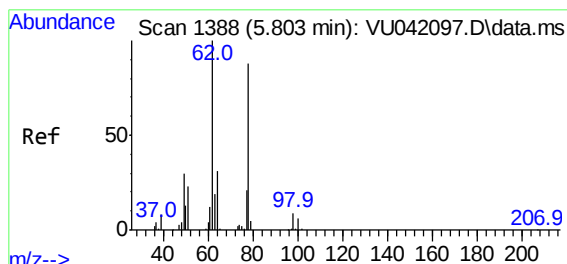
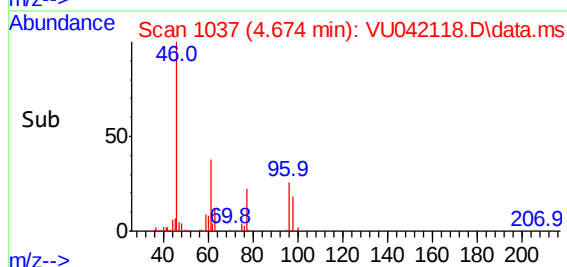
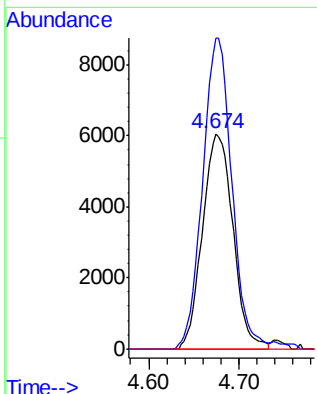
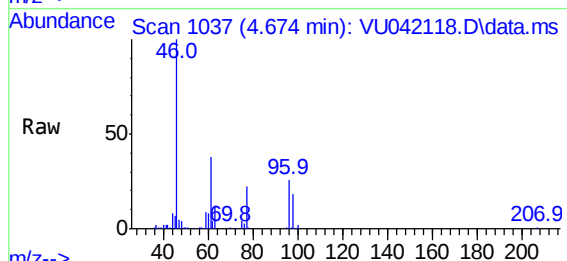


#22
 cis-1,2-Dichloroethene
 Concen: 1.55 ug/L
 RT: 4.674 min Scan# 1037
 Delta R.T. -0.003 min
 Lab File: VU042118.D
 Acq: 20 Jan 2021 20:12

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E05

Tgt Ion: 96 Resp: 14117

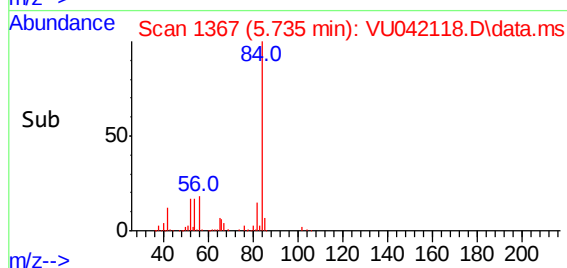
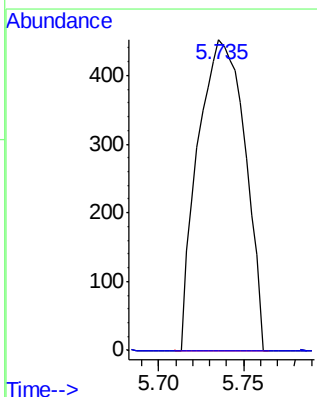
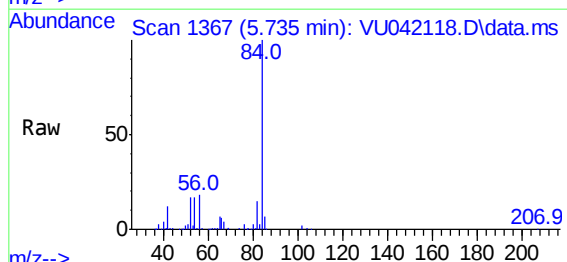
Ion	Ratio	Lower	Upper
96	100		
61	144.7	97.8	181.6
68	0.0	0.0	0.0

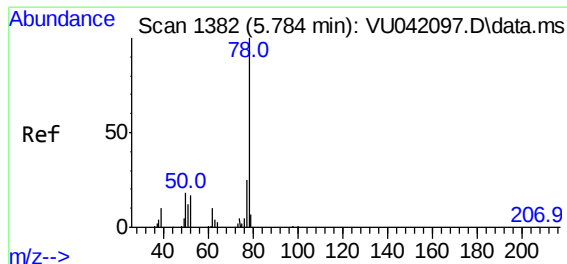


#27
 1,2-Dichloroethane
 Concen: 0.08 ug/L
 RT: 5.735 min Scan# 1367
 Delta R.T. -0.067 min
 Lab File: VU042118.D
 Acq: 20 Jan 2021 20:12

Tgt Ion: 62 Resp: 870

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.3	10.9#

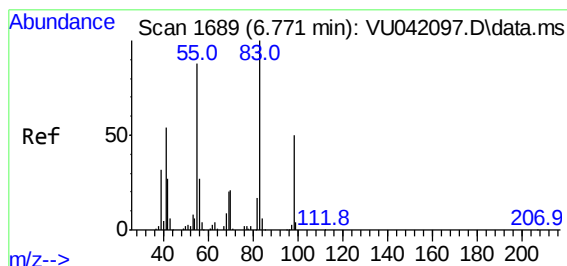
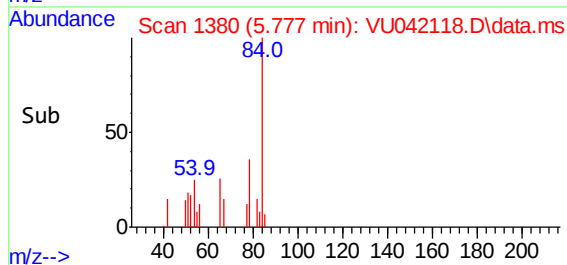
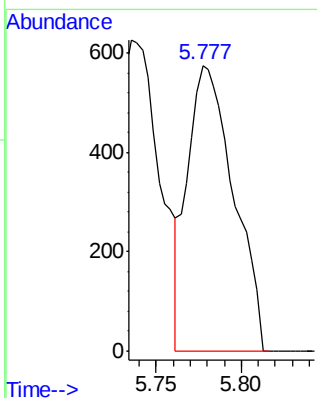
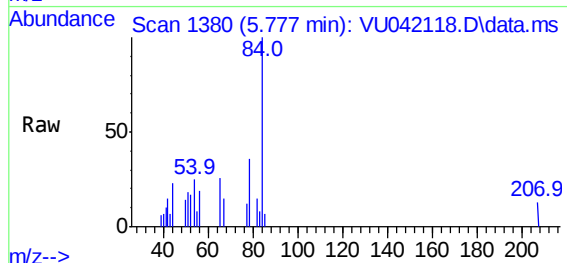




#33
Benzene
Concen: 0.03 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VU042118.D
Acq: 20 Jan 2021 20:12

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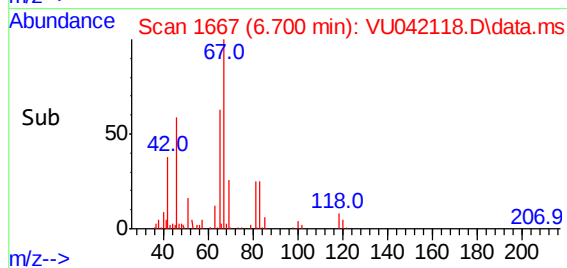
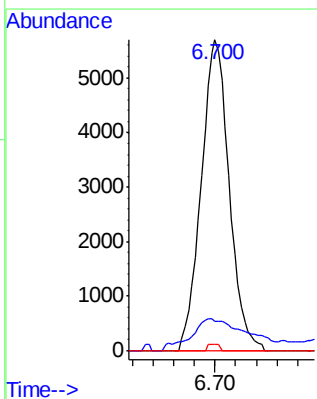
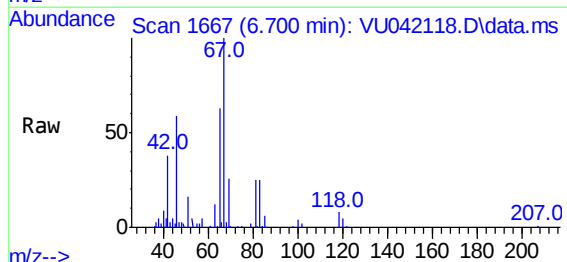
Tgt Ion: 78 Resp: 1083

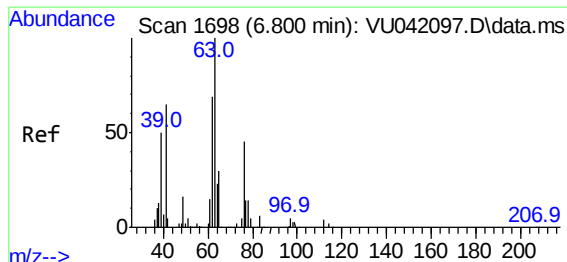


#35
Methylcyclohexane
Concen: 0.73 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042118.D
Acq: 20 Jan 2021 20:12

Tgt Ion: 83 Resp: 10701

Ion	Ratio	Lower	Upper
83	100		
55	20.1	68.2	102.4#
98	0.8	39.7	59.5#

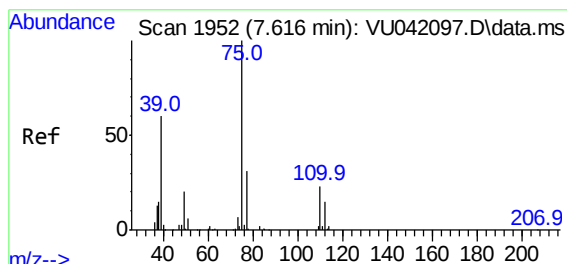
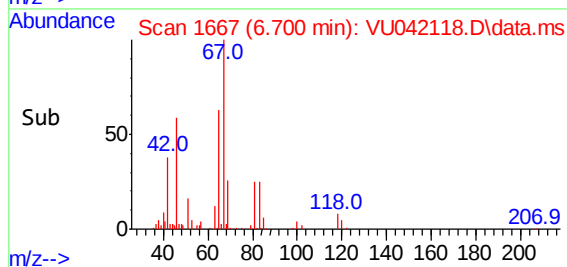
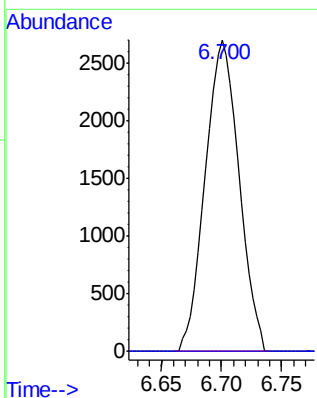
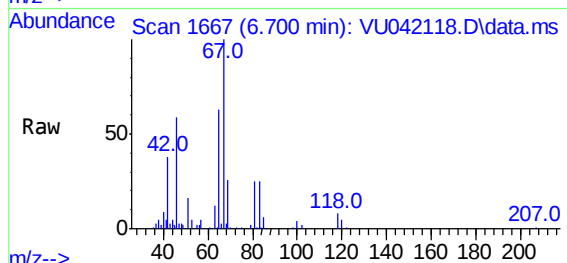




#37
1,2-Dichloropropane
Concen: 0.60 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042118.D
Acq: 20 Jan 2021 20:12

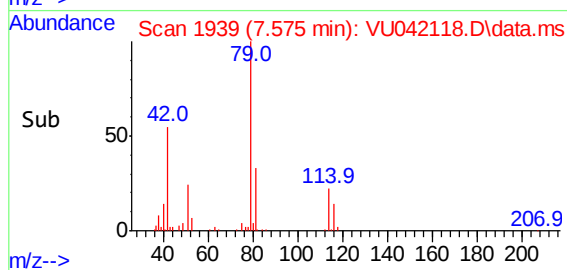
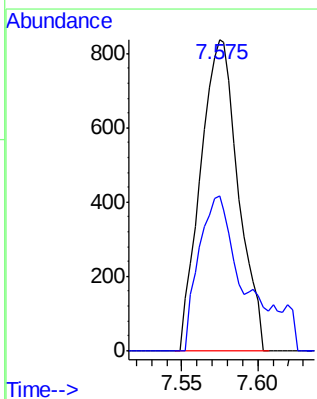
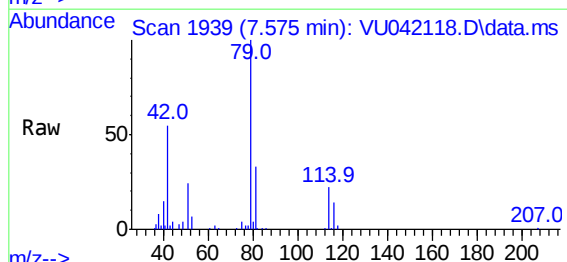
Instrument :
MSVOA_U
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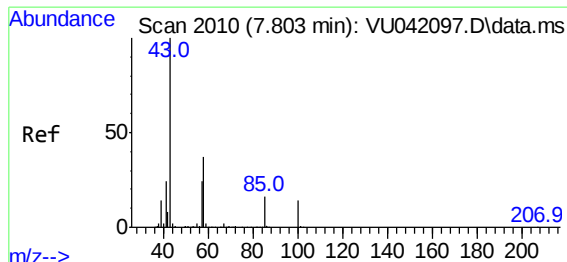
Tgt Ion: 63 Resp: 5146
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU042118.D
Acq: 20 Jan 2021 20:12

Tgt Ion: 75 Resp: 1443
Ion Ratio Lower Upper
75 100
77 49.8 22.0 40.8#

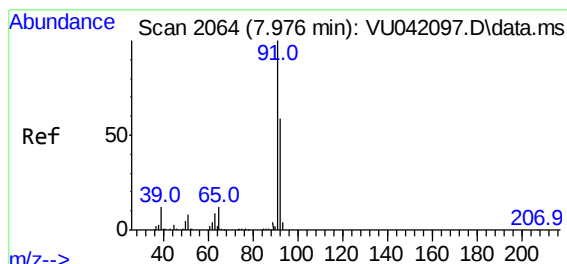
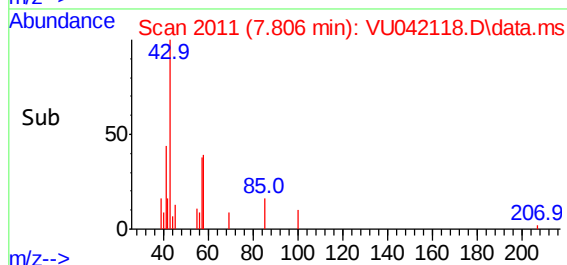
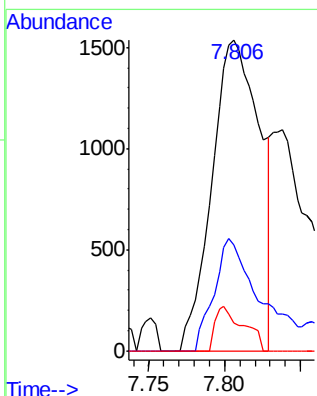
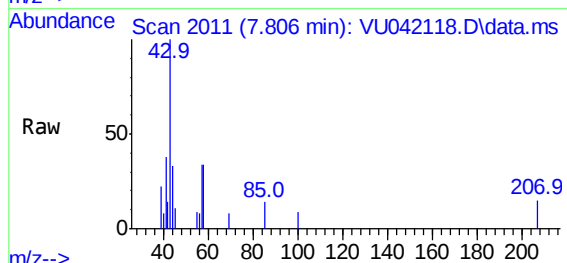




#40
4-Methyl-2-pentanone
Concen: 0.46 ug/L
RT: 7.806 min Scan# 2011
Delta R.T. 0.003 min
Lab File: VU042118.D
Acq: 20 Jan 2021 20:12

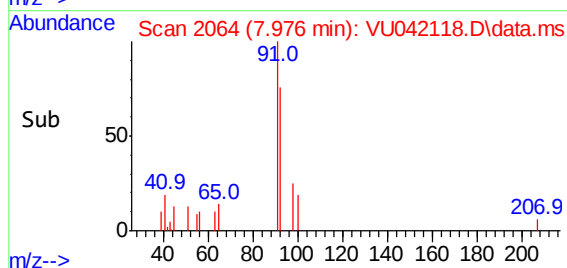
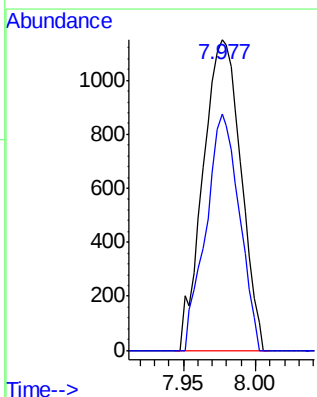
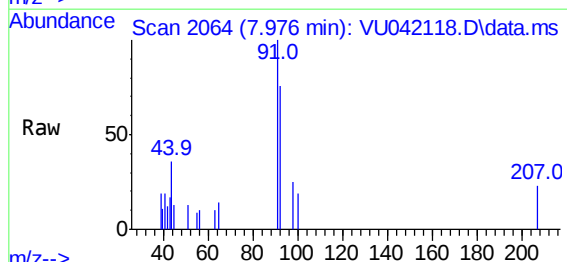
Instrument :
MSVOA_U
ClientSampleId :
F1E05

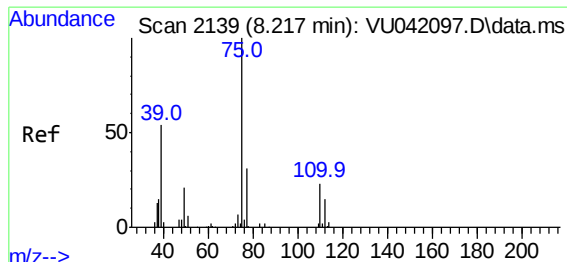
Tgt Ion: 43 Resp: 3357
Ion Ratio Lower Upper
43 100
58 35.2 29.1 43.7
100 0.0 11.0 16.4#



#42
Toluene
Concen: 0.06 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU042118.D
Acq: 20 Jan 2021 20:12

Tgt Ion: 91 Resp: 2092
Ion Ratio Lower Upper
91 100
92 76.3 41.2 76.6



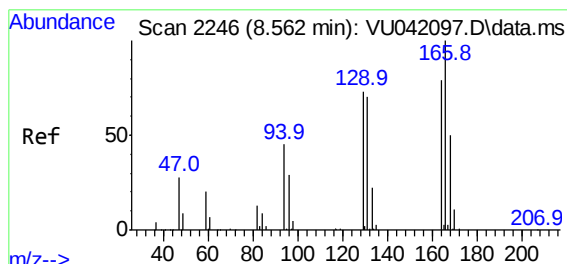
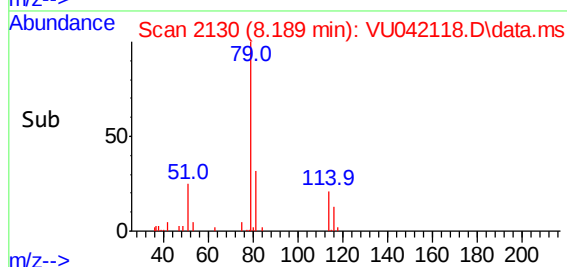
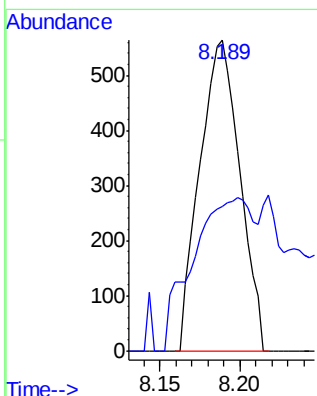
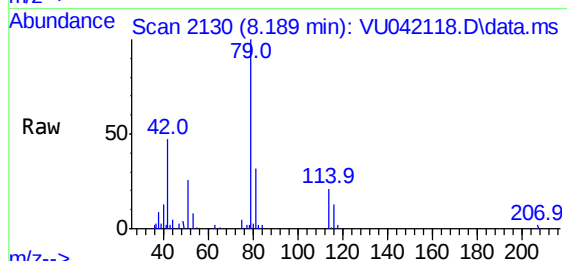


#44

trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.189 min Scan# 2130
Delta R.T. -0.029 min
Lab File: VU042118.D
Acq: 20 Jan 2021 20:12

Instrument :
MSVOA_U
ClientSampleId :
F1E05

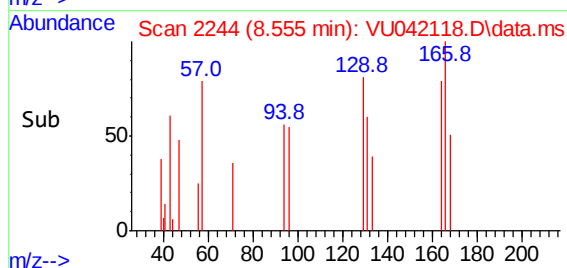
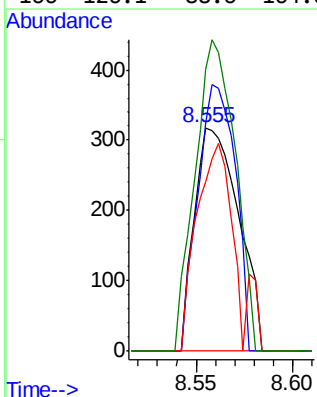
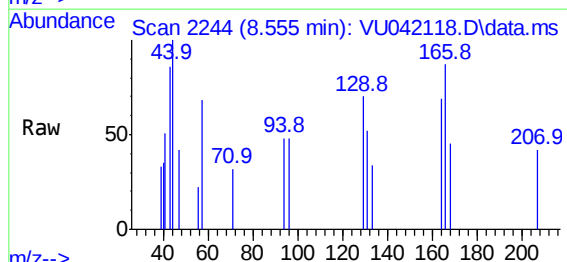
Tgt Ion: 75 Resp: 961
Ion Ratio Lower Upper
75 100
77 46.3 21.8 40.4#

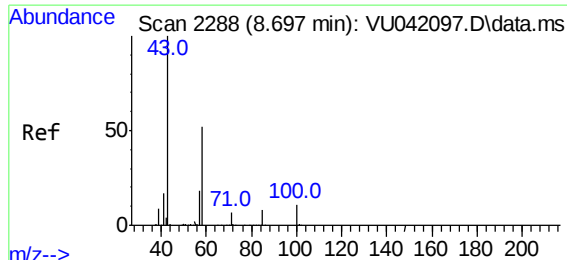


#47

Tetrachloroethene
Concen: 0.07 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.006 min
Lab File: VU042118.D
Acq: 20 Jan 2021 20:12

Tgt Ion: 164 Resp: 507
Ion Ratio Lower Upper
164 100
129 102.2 64.3 119.5
131 75.5 62.2 115.6
166 126.1 88.6 164.6



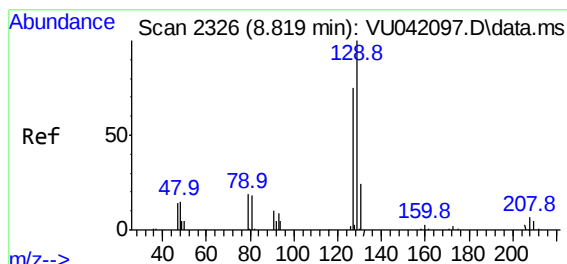
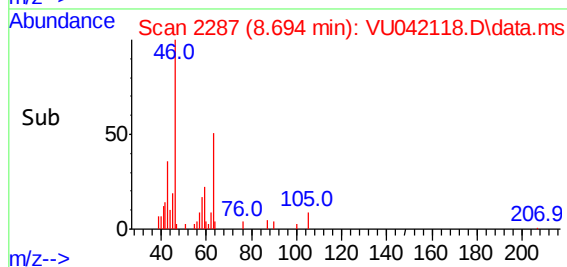
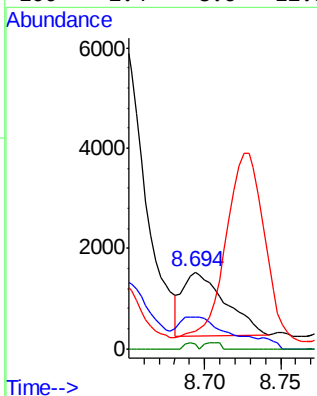
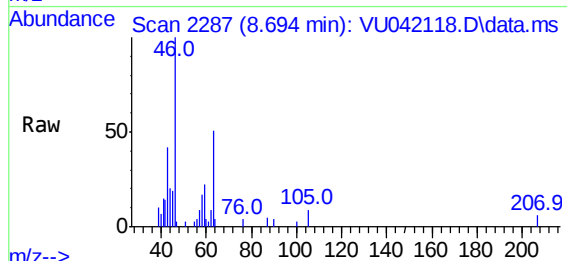


#48
2-Hexanone
Concen: 0.48 ug/L
RT: 8.694 min Scan# 2287
Delta R.T. -0.003 min
Lab File: VU042118.D
Acq: 20 Jan 2021 20:12

Instrument :
MSVOA_U
ClientSampleId :
F1E05

Tgt Ion: 43 Resp: 2461

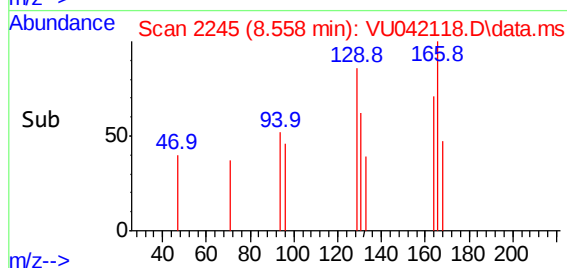
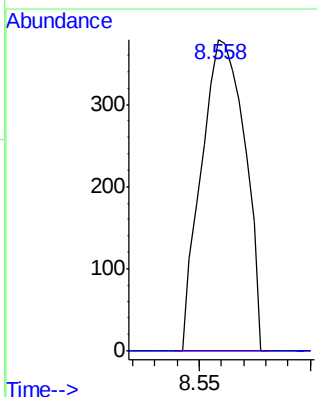
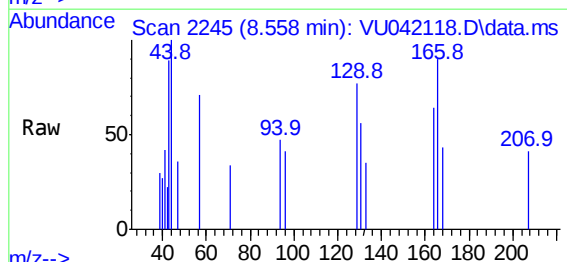
Ion	Ratio	Lower	Upper
43	100		
58	64.4	40.6	61.0#
57	0.0	14.9	22.3#
100	2.4	8.6	12.8#

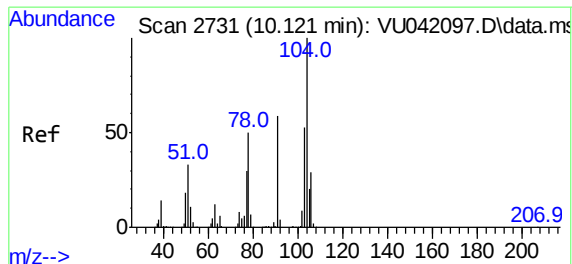


#49
Dibromochloromethane
Concen: 0.06 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.260 min
Lab File: VU042118.D
Acq: 20 Jan 2021 20:12

Tgt Ion: 129 Resp: 514

Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.3	97.1#

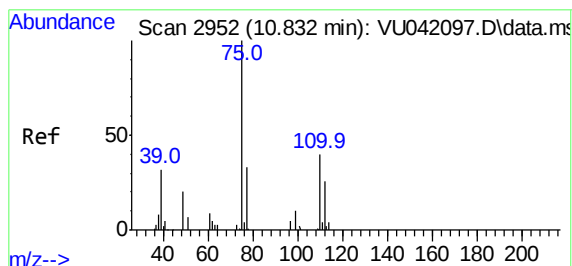
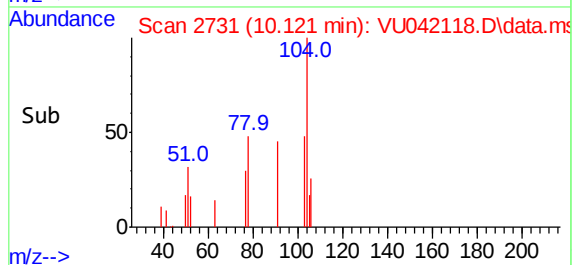
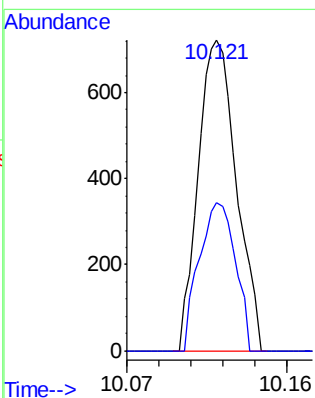
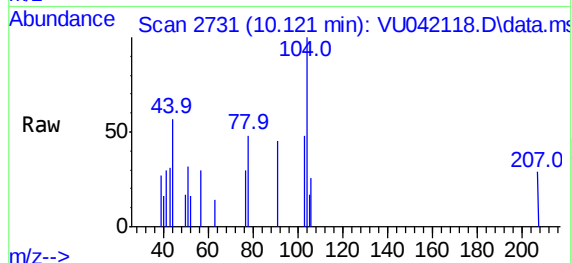




#55
Styrene
Concen: 0.04 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VU042118.D
Acq: 20 Jan 2021 20:12

Instrument :
MSVOA_U
ClientSampleId :
F1E05

Tgt Ion:104 Resp: 1127
Ion Ratio Lower Upper
104 100
78 47.8 34.9 64.7



#59
1,2,3-Trichloropropane
Concen: 1.07 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042118.D
Acq: 20 Jan 2021 20:12

Tgt Ion: 75 Resp: 6432
Ion Ratio Lower Upper
75 100
77 37.0 26.0 39.0

