

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050421\
 Data File : VU043516.D
 Acq On : 04 May 2021 13:01
 Operator : SY/MD
 Sample : M2195-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB3H8

Quant Time: May 05 04:55:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR050321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 05 04:50:58 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	90160	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	91613	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	42244	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	32250	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.919	69	24803	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.572	65	15571	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.60%
20) 2-Butanone-d5	4.649	46	123779	54.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.98%
24) Chloroform-d	5.073	84	65677	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.713	65	41783	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.735	84	119187	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.700	67	42177	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.906	98	102475	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloroprop...	8.185	79	16401	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.642	63	83271	56.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.26%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	34204	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
66) 1,2-Dichlorobenzene-d4	12.201	152	38643	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%
Target Compounds						
3) Chloromethane	1.523	50	788	0.12	ug/L #	78
13) Acetone	2.671	43	7870	5.24	ug/L	92
14) Carbon disulfide	2.797	76	848	0.07	ug/L #	74
27) 1,2-Dichloroethane	5.735	62	690	0.08	ug/L #	78
30) Cyclohexane	5.395	56	578	0.07	ug/L #	67
33) Benzene	5.784	78	2239	0.09	ug/L	100
34) Trichloroethene	6.552	95	1861	0.30	ug/L	90
35) Methylcyclohexane	6.771	83	1077	0.14	ug/L #	92
37) 1,2-Dichloropropane	6.703	63	5086	0.71	ug/L #	90
39) cis-1,3-Dichloropropene	7.578	75	1332	0.14	ug/L #	72
42) Toluene	7.976	91	9628	0.38	ug/L	98
45) 1,1,2-Trichloroethane	8.562	97	4698	0.94	ug/L #	13
47) Tetrachloroethene	8.562	164	460134	101.35	ug/L	98
48) 2-Hexanone	8.697	43	4959	1.13	ug/L #	87
49) Dibromochloromethane	8.562	129	436596	72.54	ug/L #	12
52) Ethylbenzene	9.578	91	2133	0.08	ug/L	97
53) m,p-Xylene	9.700	106	1325	0.14	ug/L	96
61) 1,2,3-Trichloropropane	11.819	75	5518	1.29	ug/L #	68
63) 1,2,4-Trimethylbenzene	11.478	105	1181	0.07	ug/L	97
71) Naphthalene	14.098	128	904	0.07	ug/L #	69

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QLast Update : Wed May 05 04:50:58 2021
Response via : Initial Calibration

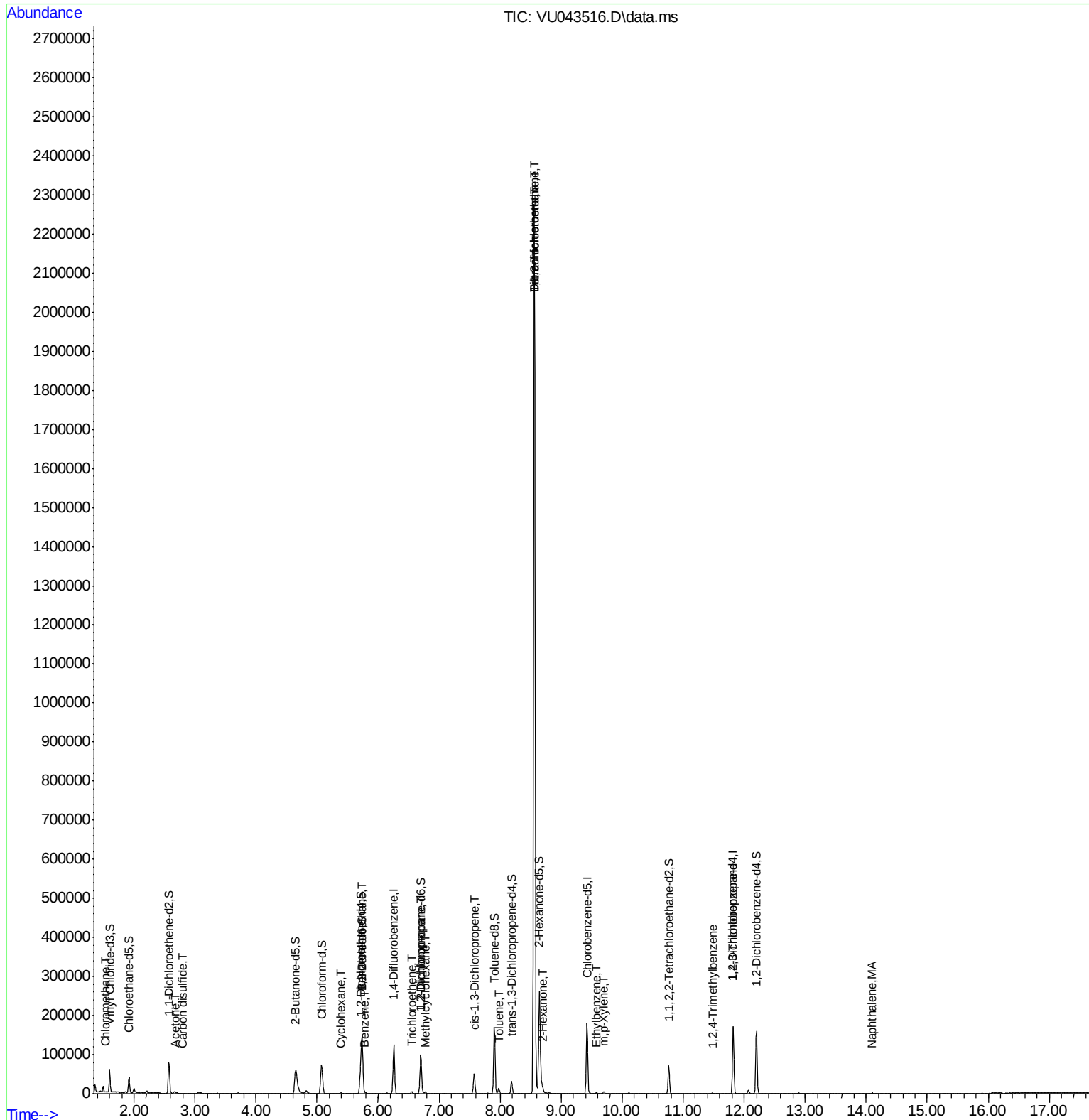
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

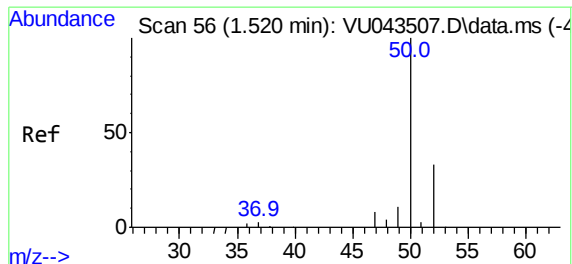
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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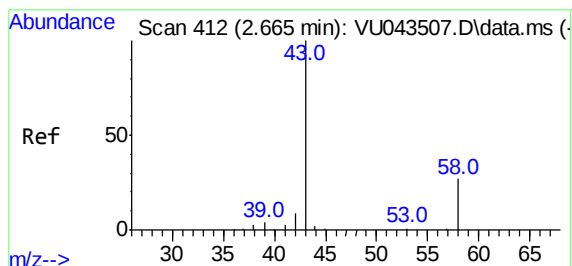
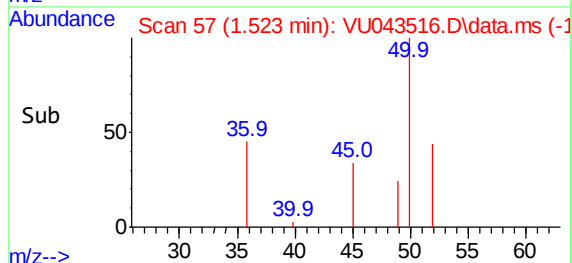
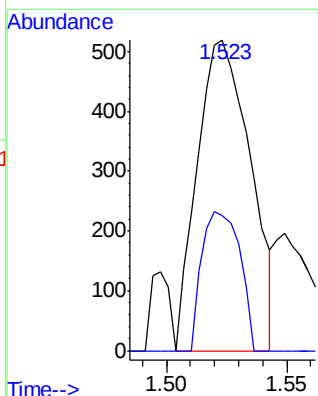
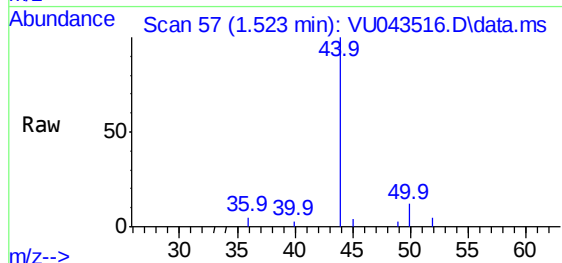




#3
Chloromethane
Concen: 0.12 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

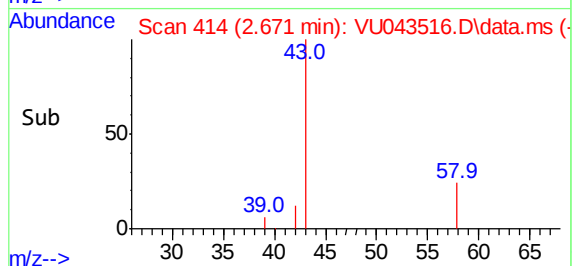
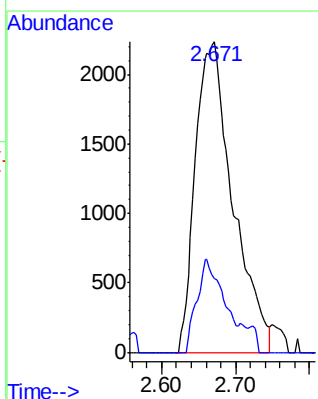
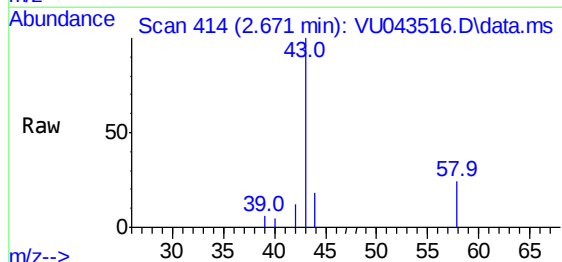
Instrument :
MSVOA_U
ClientSampled :
GB3H8

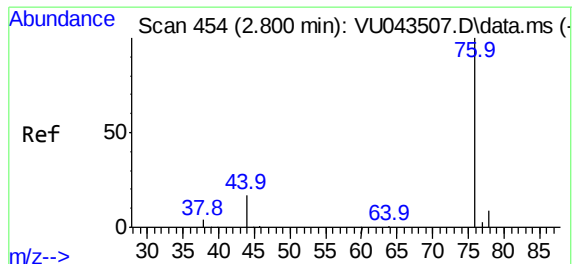
Tgt Ion: 50 Resp: 788
Ion Ratio Lower Upper
50 100
52 43.5 22.1 41.1#



#13
Acetone
Concen: 5.24 ug/L
RT: 2.671 min Scan# 414
Delta R.T. 0.006 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

Tgt Ion: 43 Resp: 7870
Ion Ratio Lower Upper
43 100
58 21.6 0.0 50.8

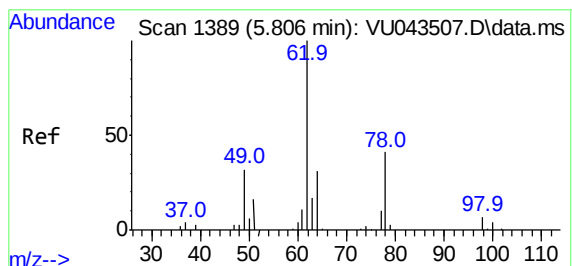
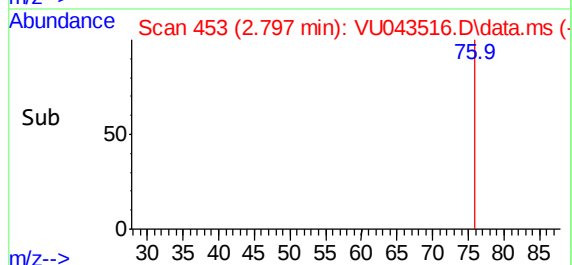
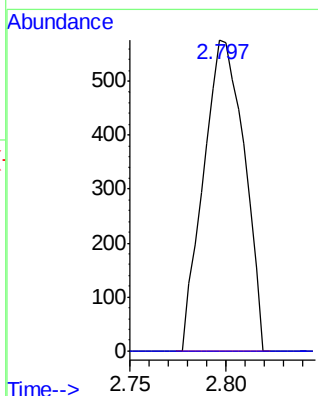
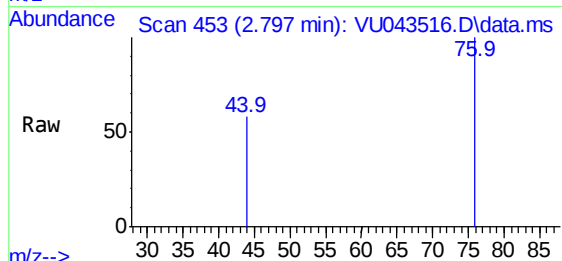




#14
Carbon disulfide
Concen: 0.07 ug/L
RT: 2.797 min Scan# 453
Delta R.T. -0.003 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

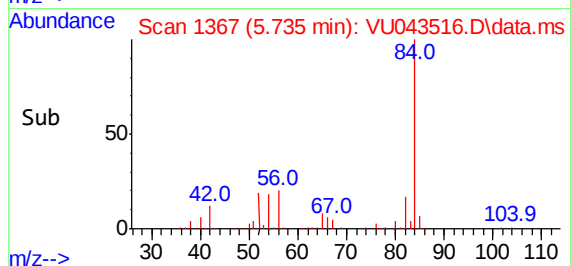
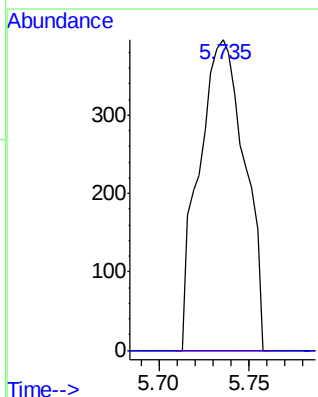
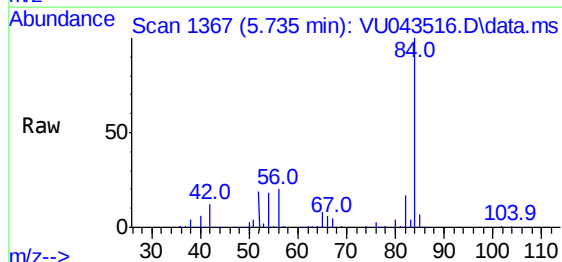
Instrument :
MSVOA_U
ClientSampleId :
GB3H8

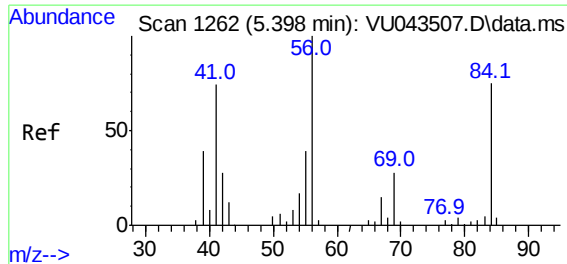
Tgt Ion: 76 Resp: 848
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#27
1,2-Dichloroethane
Concen: 0.08 ug/L
RT: 5.735 min Scan# 1367
Delta R.T. -0.071 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

Tgt Ion: 62 Resp: 690
Ion Ratio Lower Upper
62 100
98 0.0 6.1 9.1#





#30

Cyclohexane

Concen: 0.07 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. -0.003 min

Lab File: VU043516.D

Acq: 04 May 2021 13:01

Instrument :

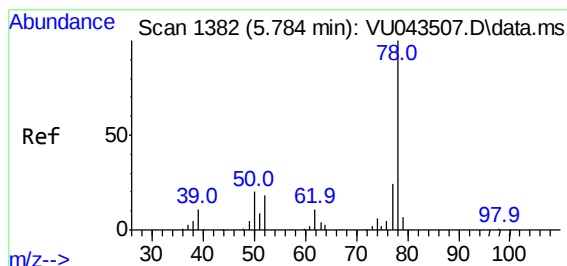
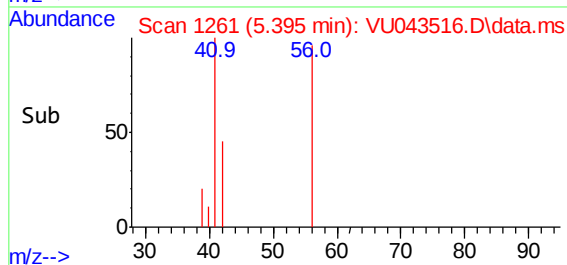
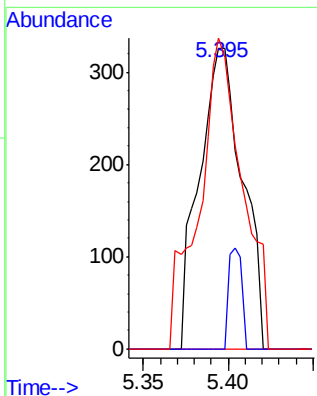
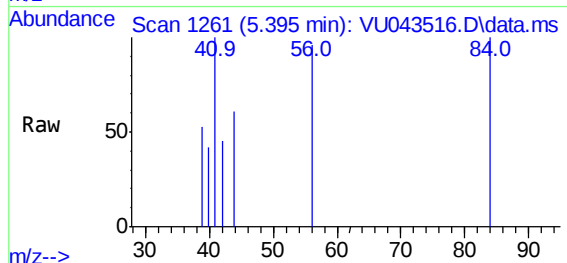
MSVOA_U

ClientSampleId :

GB3H8

Tgt Ion: 56 Resp: 578

Ion	Ratio	Lower	Upper
56	100		
69	10.4	23.0	34.4#
84	103.5	60.3	90.5#



#33

Benzene

Concen: 0.09 ug/L

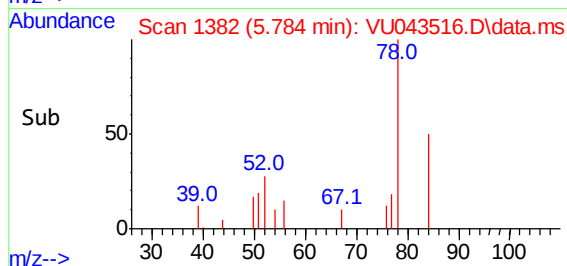
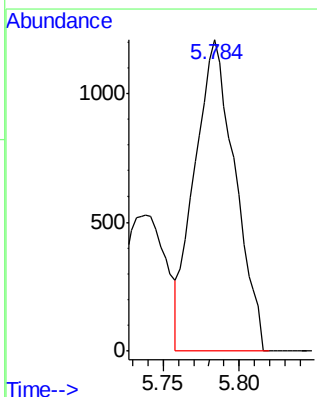
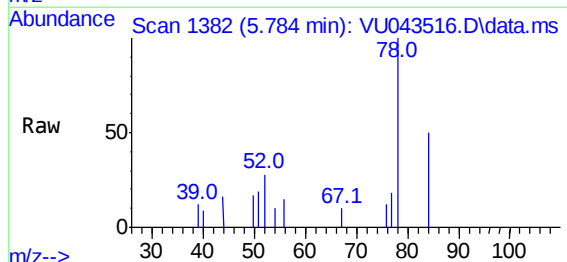
RT: 5.784 min Scan# 1382

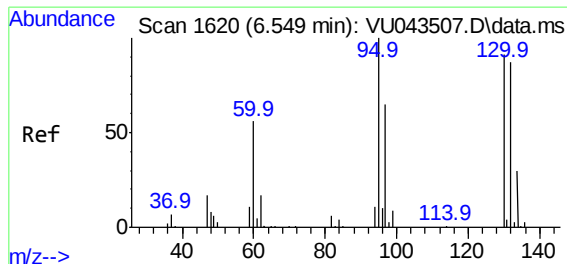
Delta R.T. -0.000 min

Lab File: VU043516.D

Acq: 04 May 2021 13:01

Tgt Ion: 78 Resp: 2239

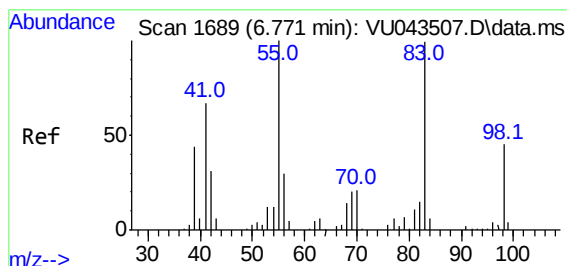
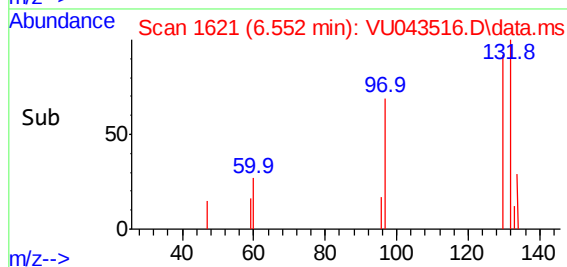
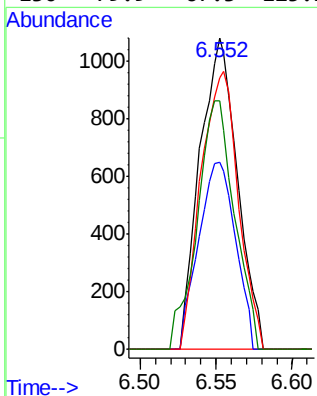
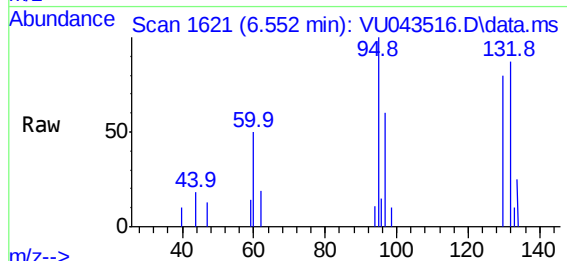




#34
Trichloroethene
Concen: 0.30 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.003 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

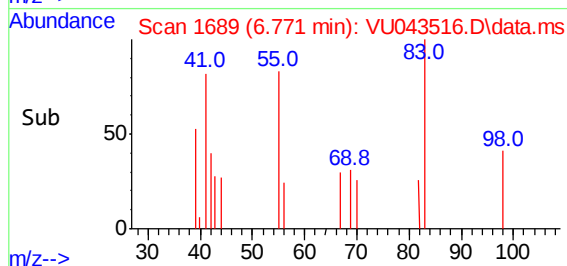
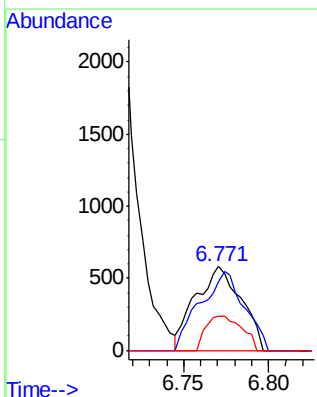
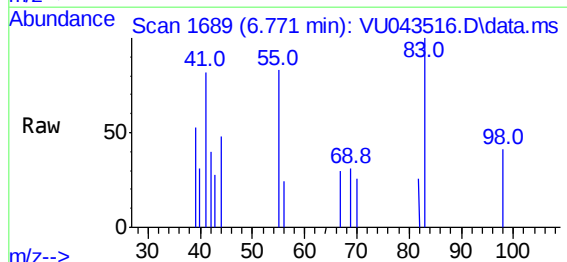
Instrument :
MSVOA_U
ClientSampled :
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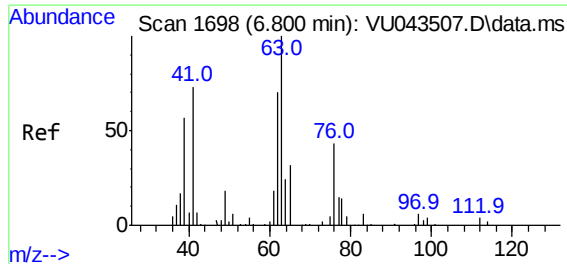
Tgt Ion: 95 Resp: 1861
Ion Ratio Lower Upper
95 100
97 60.2 46.5 86.5
132 87.1 64.1 119.1
130 79.9 67.3 125.1



#35
Methylcyclohexane
Concen: 0.14 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

Tgt Ion: 83 Resp: 1077
Ion Ratio Lower Upper
83 100
55 91.7 75.8 113.8
98 32.4 35.5 53.3#

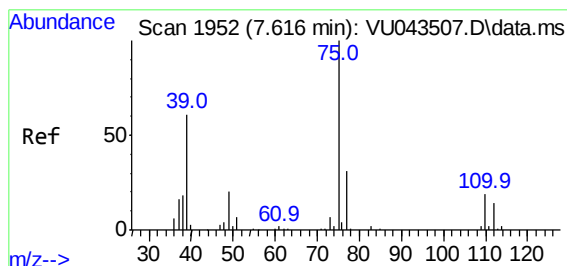
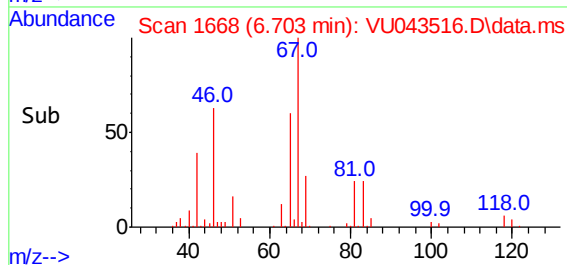
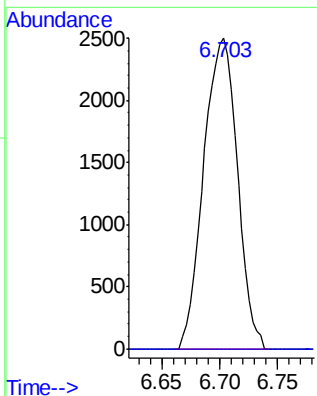
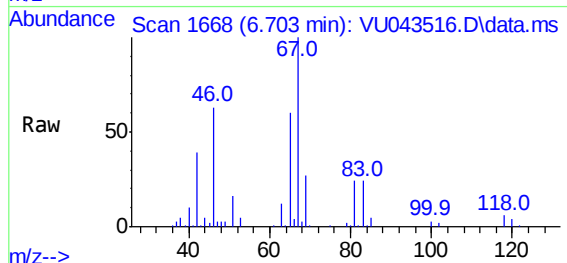




#37
1,2-Dichloropropane
Concen: 0.71 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.097 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

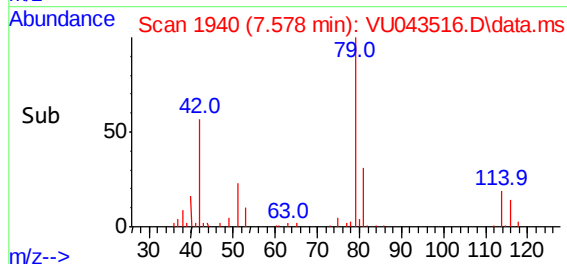
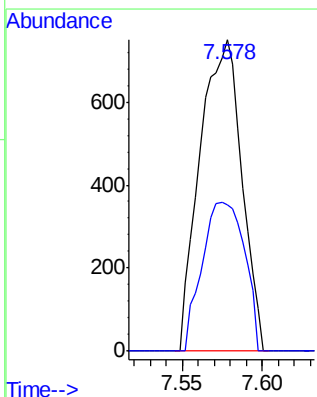
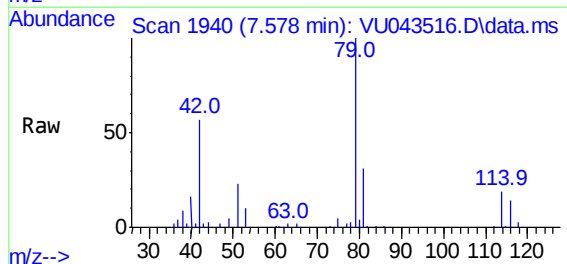
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GB3H8

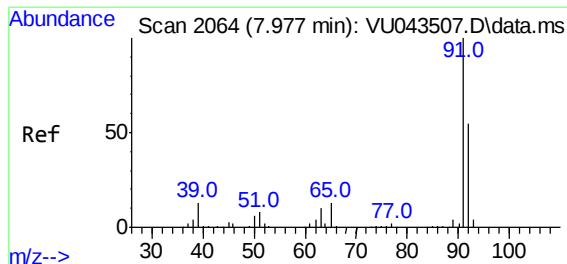
Tgt Ion: 63 Resp: 5086
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#



#39
cis-1,3-Dichloropropene
Concen: 0.14 ug/L
RT: 7.578 min Scan# 1940
Delta R.T. -0.039 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

Tgt Ion: 75 Resp: 1332
Ion Ratio Lower Upper
75 100
77 46.8 21.9 40.7#

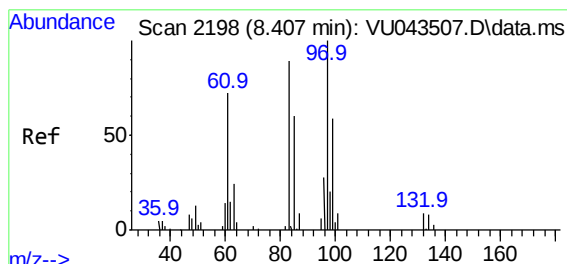
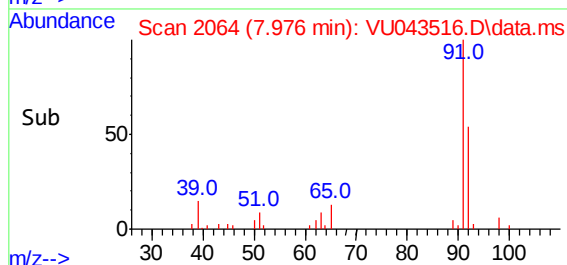
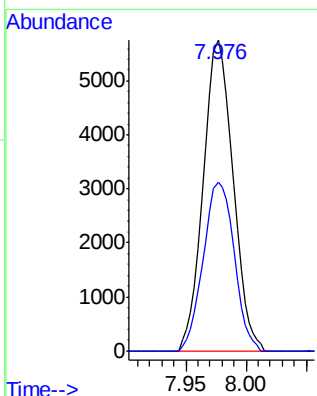
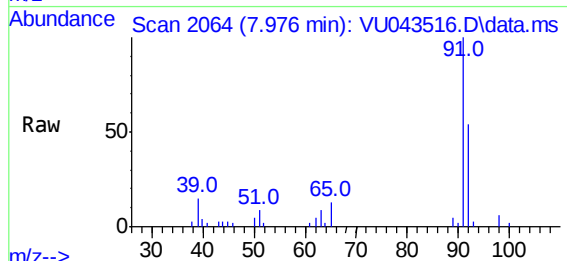




#42
Toluene
Concen: 0.38 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

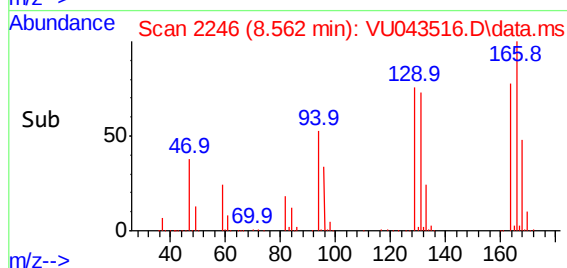
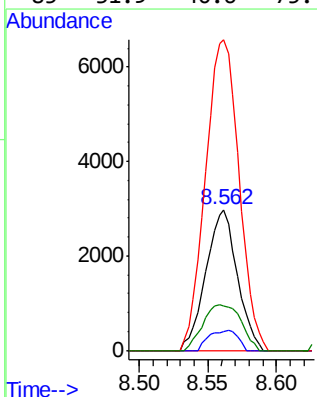
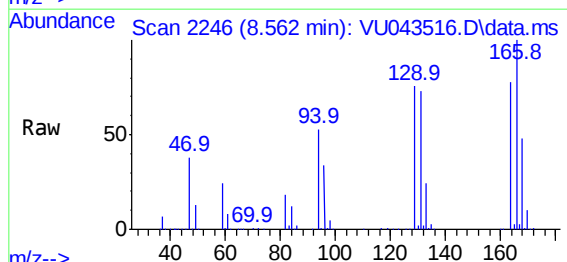
Instrument :
MSVOA_U
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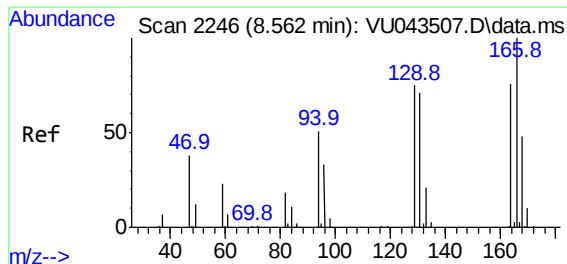
Tgt Ion: 91 Resp: 9628
Ion Ratio Lower Upper
91 100
92 54.4 39.1 72.5



#45
1,1,2-Trichloroethane
Concen: 0.94 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.154 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

Tgt Ion: 97 Resp: 4698
Ion Ratio Lower Upper
97 100
99 13.4 42.6 79.0#
83 220.6 64.1 119.1#
85 31.9 40.6 75.4#

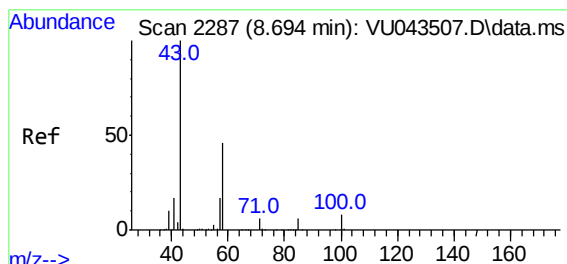
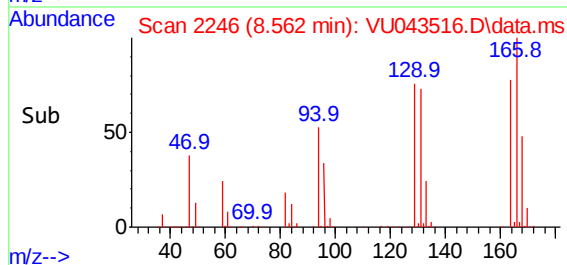
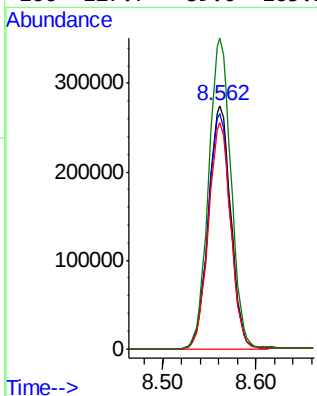
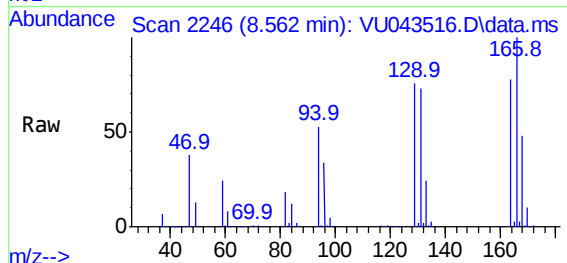




#47
Tetrachloroethene
Concen: 101.35 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.000 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

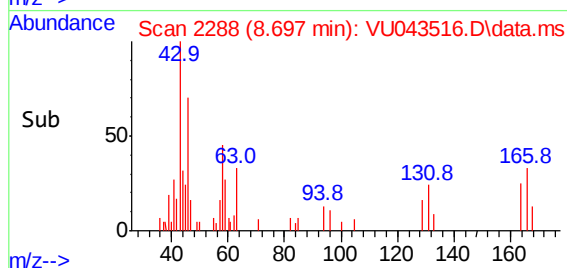
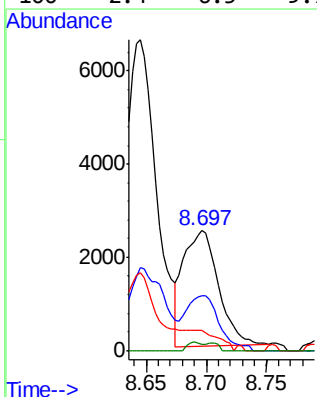
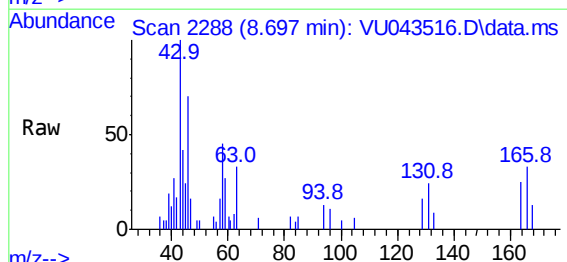
Instrument :
MSVOA_U
ClientSampleId :
GB3H8

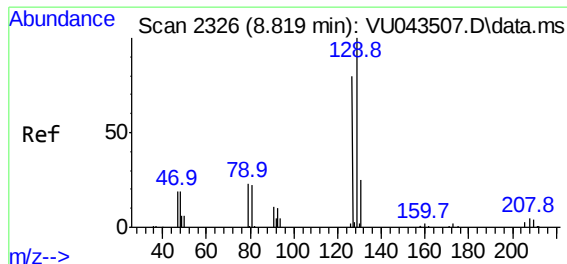
Tgt Ion:164 Resp: 460134
Ion Ratio Lower Upper
164 100
129 96.5 62.5 116.1
131 92.7 64.9 120.5
166 127.7 89.0 165.2



#48
2-Hexanone
Concen: 1.13 ug/L
RT: 8.697 min Scan# 2288
Delta R.T. 0.003 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

Tgt Ion: 43 Resp: 4959
Ion Ratio Lower Upper
43 100
58 43.9 36.8 55.2
57 0.0 13.2 19.8#
100 2.4 6.5 9.7#

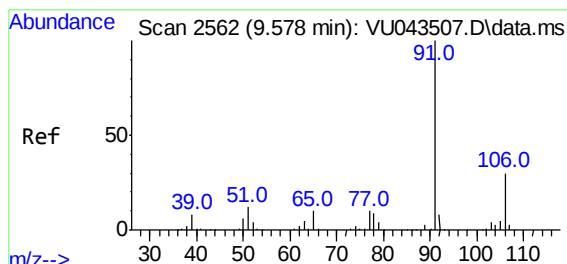
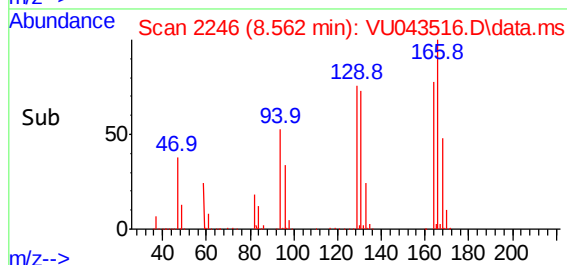
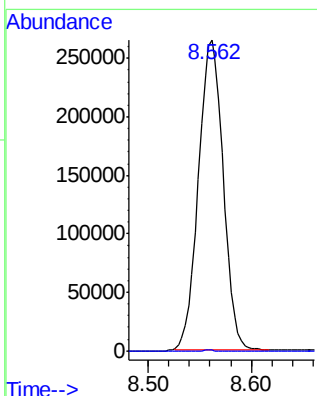
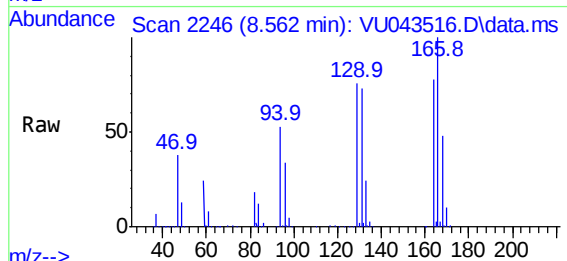




#49
Dibromochloromethane
Concen: 72.54 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

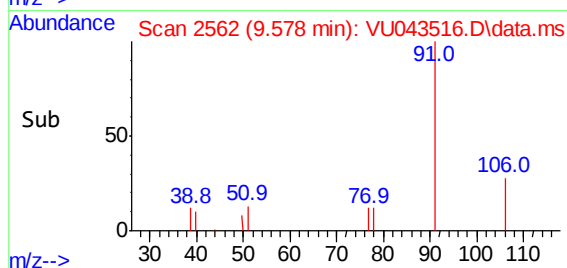
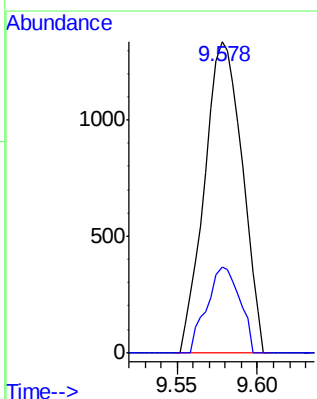
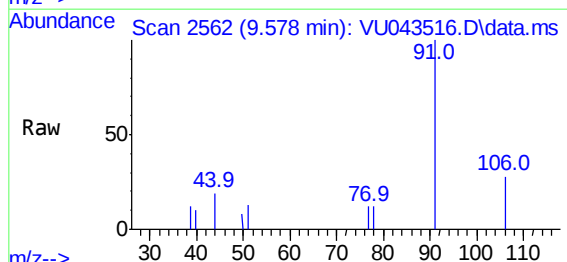
Instrument :
MSVOA_U
ClientSampleId :
GB3H8

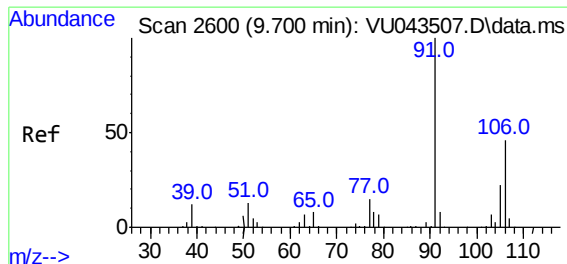
Tgt Ion:129 Resp: 436596
Ion Ratio Lower Upper
129 100
127 0.1 52.4 97.4#



#52
Ethylbenzene
Concen: 0.08 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

Tgt Ion: 91 Resp: 2133
Ion Ratio Lower Upper
91 100
106 27.7 20.5 38.1

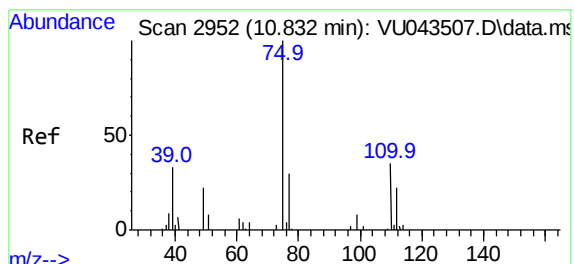
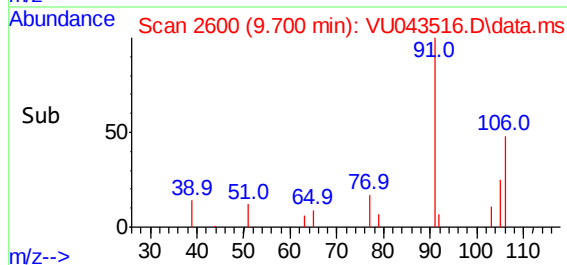
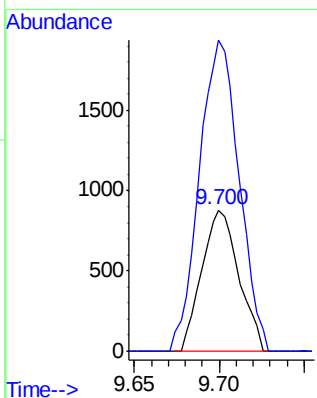
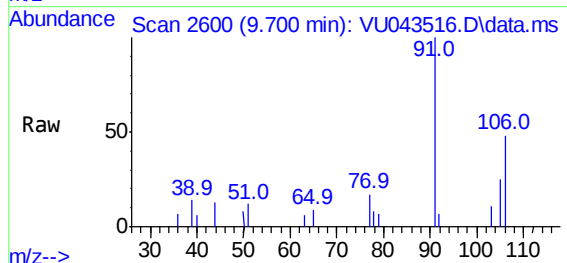




#53
m,p-Xylene
Concen: 0.14 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

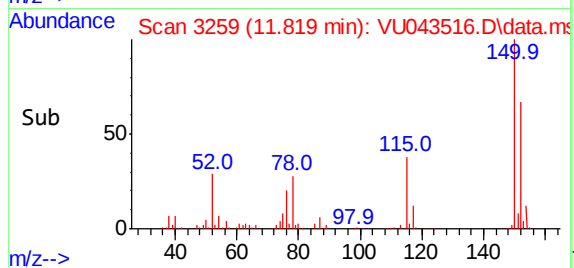
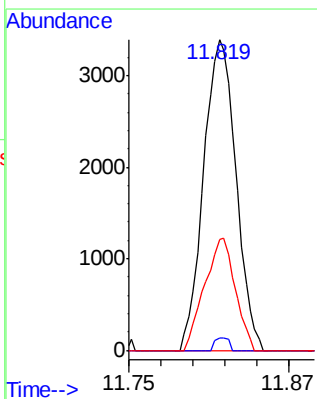
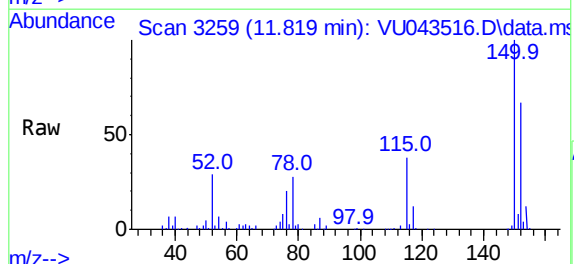
Instrument :
MSVOA_U
ClientSampled :
GB3H8

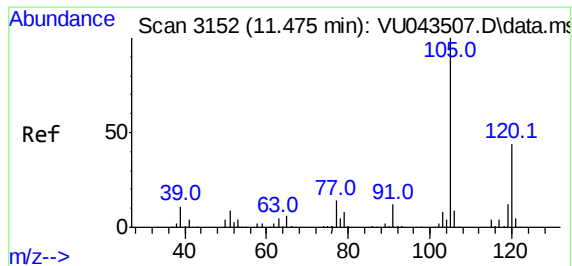
Tgt Ion:106 Resp: 1325
Ion Ratio Lower Upper
106 100
91 221.0 150.3 279.1



#61
1,2,3-Trichloropropane
Concen: 1.29 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

Tgt Ion: 75 Resp: 5518
Ion Ratio Lower Upper
75 100
110 1.7 28.6 42.8#
77 34.2 25.7 38.5

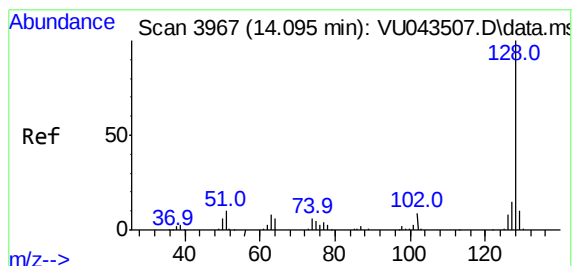
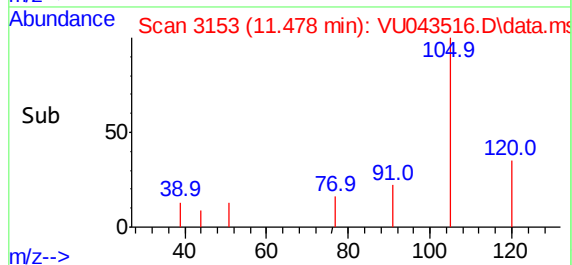
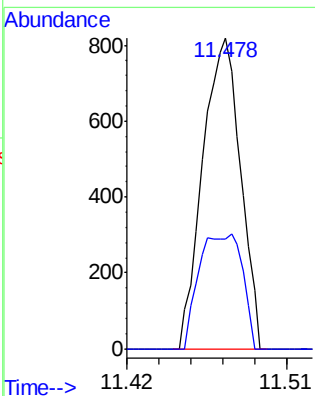
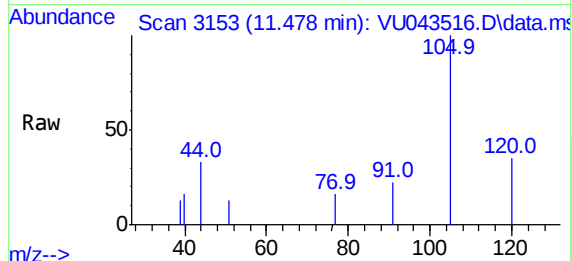




#63
1,2,4-Trimethylbenzene
Concen: 0.07 ug/L
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

Instrument :
MSVOA_U
ClientSampleId :
GB3H8

Tgt Ion:105 Resp: 1181
Ion Ratio Lower Upper
105 100
120 42.3 35.4 53.0



#71
Naphthalene
Concen: 0.07 ug/L
RT: 14.098 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VU043516.D
Acq: 04 May 2021 13:01

Tgt Ion:128 Resp: 904
Ion Ratio Lower Upper
128 100
129 0.0 8.9 13.3#
127 0.0 10.6 15.8#

