

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030521\
 Data File : VU042509.D
 Acq On : 05 Mar 2021 17:52
 Operator : SY/MD
 Sample : M1588-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C03T4

Quant Time: Mar 06 00:50:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR030221WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Mar 05 00:31:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	86099	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	82581	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	38348	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	24244	4.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.40%
7) Chloroethane-d5	1.919	69	21021	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.584	63	192325	14.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	296.80%#
20) 2-Butanone-d5	4.642	46	105141	55.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.58%
24) Chloroform-d	5.073	84	54944	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.713	65	36238	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.735	84	98589	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.700	67	33635	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.906	98	93285	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloroprop...	8.189	79	14189	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.645	63	73282	50.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.32%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	29703	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	12.201	152	38123	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%
Target Compounds						
3) Chloromethane	1.523	50	843	0.11	ug/L	97
8) Chloroethane	2.150	64	183	0.04	ug/L	98
9) Trichlorofluoromethane	2.147	101	504	0.04	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	891	0.14	ug/L #	22
12) 1,1-Dichloroethene	2.588	96	255380	42.09	ug/L #	82
13) Acetone	2.652	43	2063	1.42	ug/L	81
19) 1,1-Dichloroethane	3.880	63	29037	2.36	ug/L	99
25) Chloroform	5.327	83	1258	0.10	ug/L	87
27) 1,2-Dichloroethane	5.800	62	603	0.06	ug/L #	75
29) 1,1,1-Trichloroethane	5.327	97	714206	62.20	ug/L	98
31) Carbon tetrachloride	5.327	117	86722	8.56	ug/L	99
34) Trichloroethene	6.552	95	3608	0.50	ug/L	95
35) Methylcyclohexane	6.700	83	7717	0.71	ug/L #	15
37) 1,2-Dichloropropane	6.700	63	4125	0.59	ug/L #	87
39) cis-1,3-Dichloropropene	7.575	75	1285	0.13	ug/L	87
44) trans-1,3-Dichloropropene	8.192	75	609	0.06	ug/L #	76
47) Tetrachloroethene	8.562	164	472	0.08	ug/L	89
48) 2-Hexanone	8.645	43	10699	2.38	ug/L #	69
49) Dibromochloromethane	8.562	129	404	0.06	ug/L #	12
59) 1,2,3-Trichloropropane	10.642	75	372	0.07	ug/L #	42

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 05 00:31:48 2021
Response via : Initial Calibration

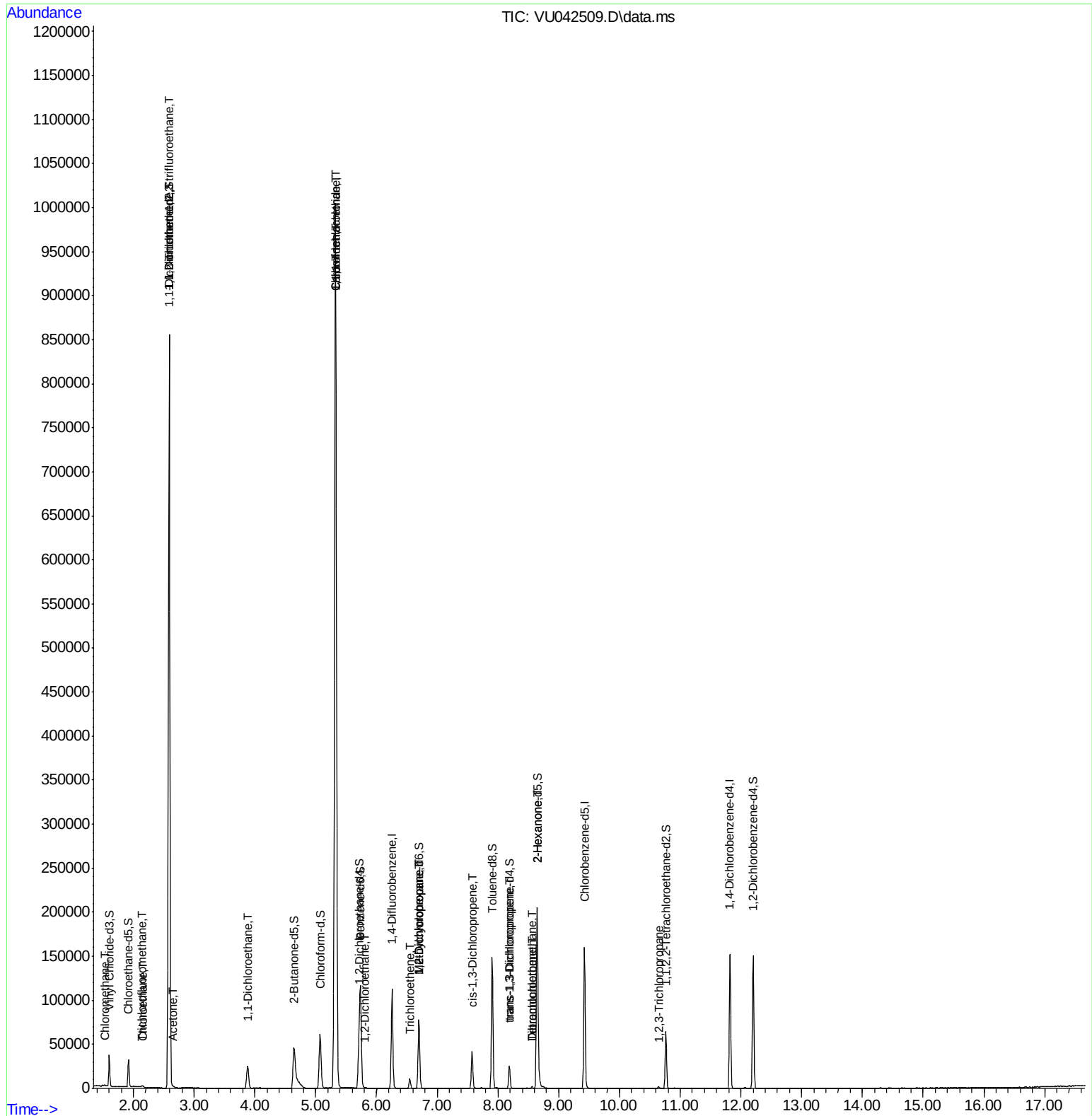
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

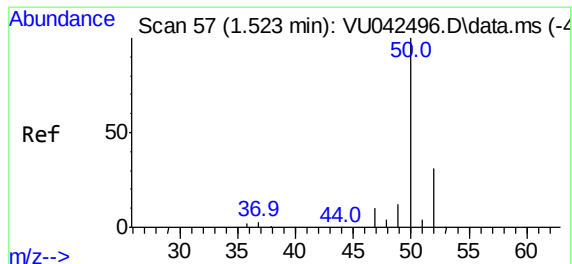
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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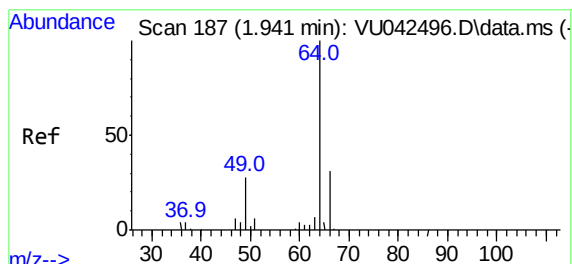
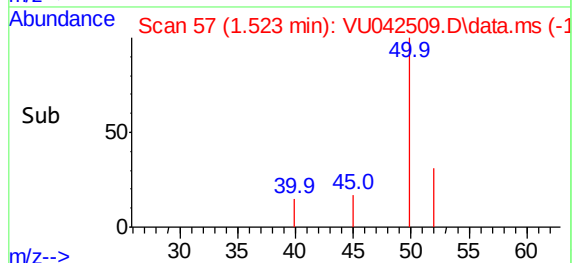
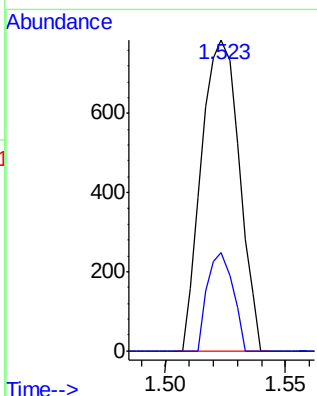
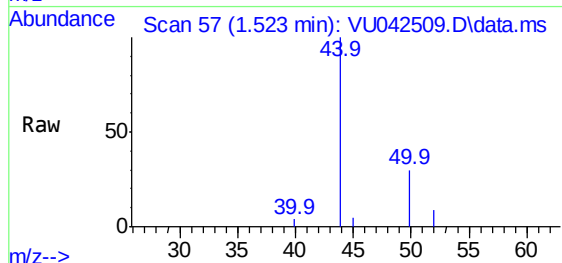




#3
Chloromethane
Concen: 0.11 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU042509.D
Acq: 05 Mar 2021 17:52

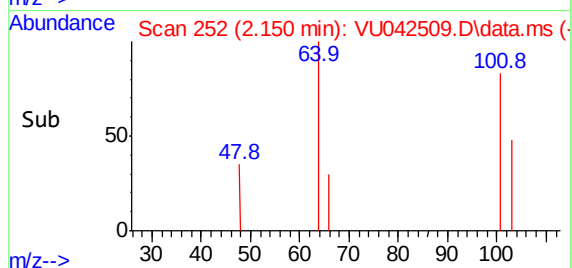
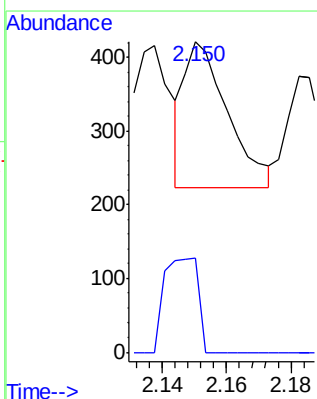
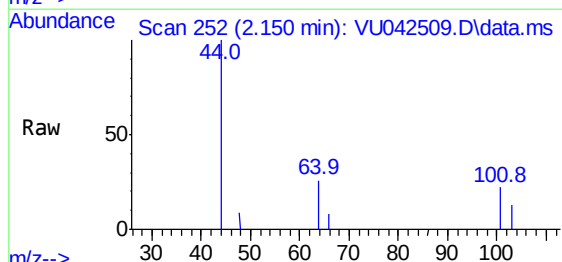
Instrument :
MSVOA_U
ClientSampled :
C03T4

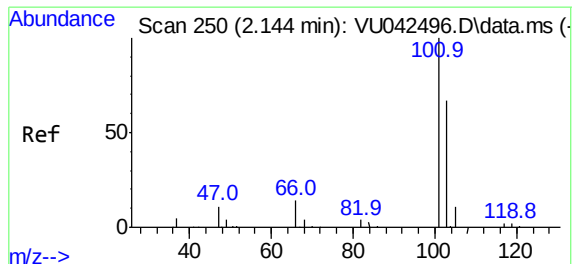
Tgt Ion: 50 Resp: 843
Ion Ratio Lower Upper
50 100
52 31.4 23.0 42.8



#8
Chloroethane
Concen: 0.04 ug/L
RT: 2.150 min Scan# 252
Delta R.T. 0.212 min
Lab File: VU042509.D
Acq: 05 Mar 2021 17:52

Tgt Ion: 64 Resp: 183
Ion Ratio Lower Upper
64 100
66 30.4 22.2 41.2

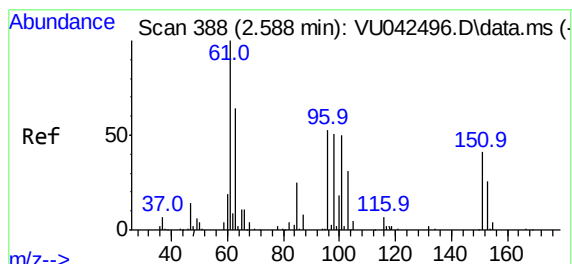
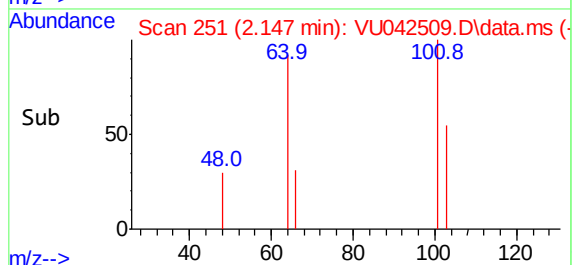
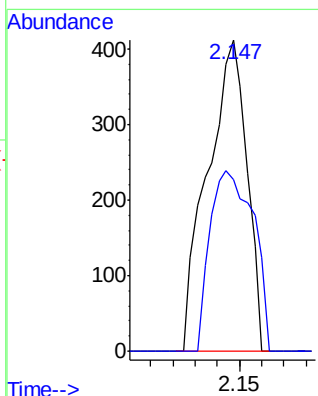
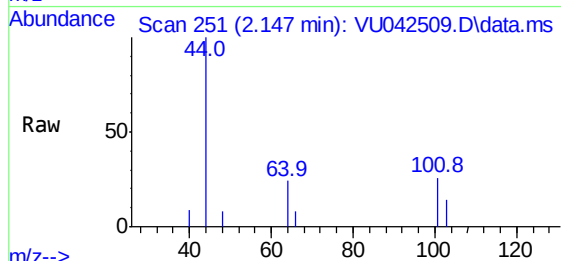




#9
Trichlorofluoromethane
Concen: 0.04 ug/L
RT: 2.147 min Scan# 251
Delta R.T. 0.003 min
Lab File: VU042509.D
Acq: 05 Mar 2021 17:52

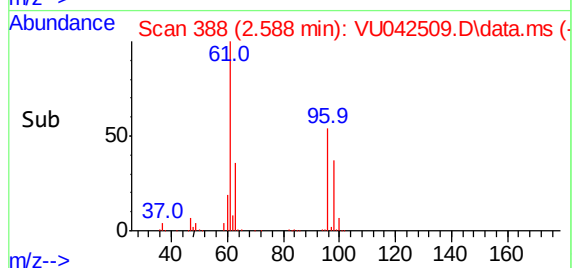
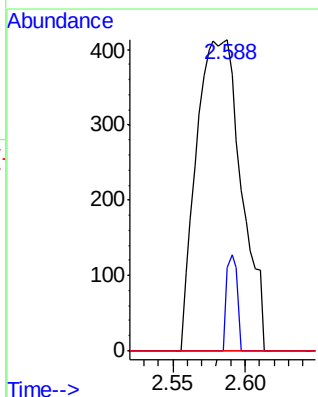
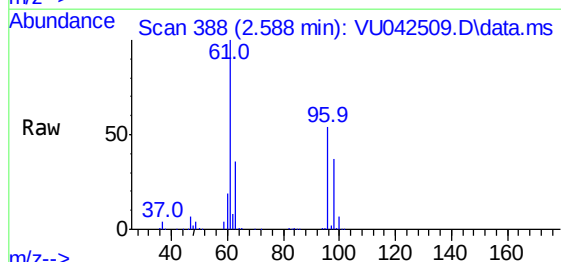
Instrument :
MSVOA_U
ClientSampled :
C03T4

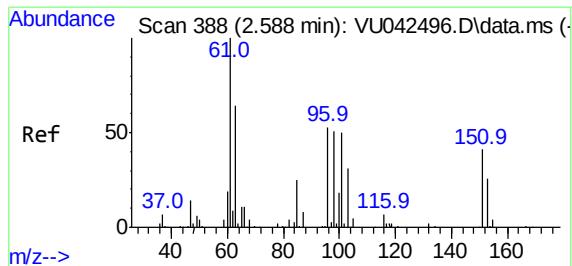
Tgt Ion:101 Resp: 504
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.14 ug/L
RT: 2.588 min Scan# 388
Delta R.T. -0.000 min
Lab File: VU042509.D
Acq: 05 Mar 2021 17:52

Tgt Ion:101 Resp: 891
Ion Ratio Lower Upper
101 100
85 7.5 34.6 51.8#
151 0.0 62.7 94.1#

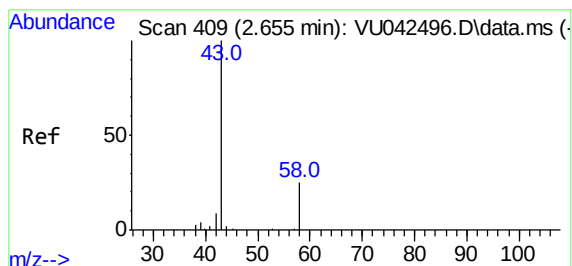
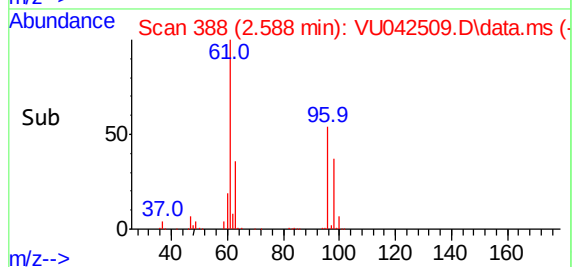
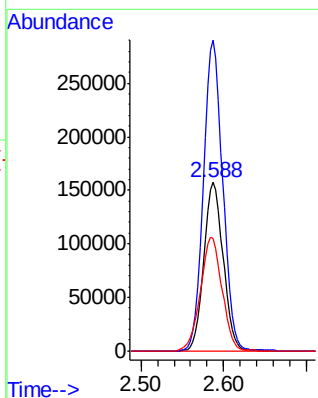
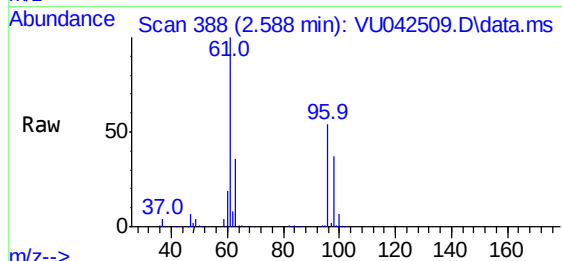




#12
1,1-Dichloroethene
Concen: 42.09 ug/L
RT: 2.588 min Scan# 388
Delta R.T. -0.000 min
Lab File: VU042509.D
Acq: 05 Mar 2021 17:52

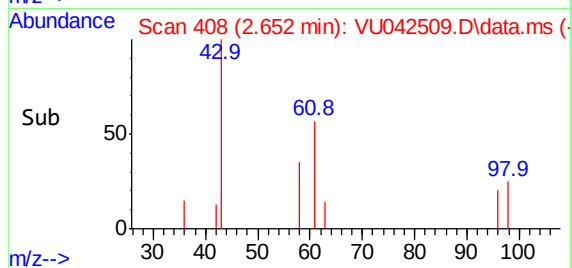
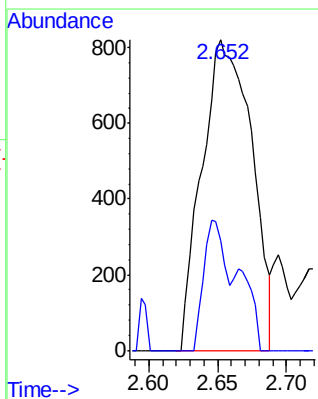
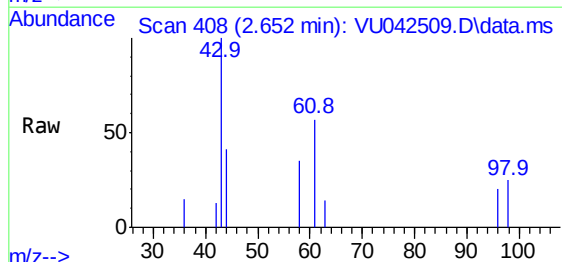
Instrument :
MSVOA_U
ClientSampleId :
C03T4

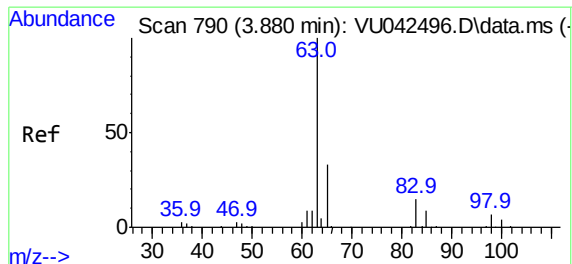
Tgt Ion: 96 Resp: 255380
Ion Ratio Lower Upper
96 100
61 184.6 126.2 234.4
63 66.5 77.8 144.4#



#13
Acetone
Concen: 1.42 ug/L
RT: 2.652 min Scan# 408
Delta R.T. -0.006 min
Lab File: VU042509.D
Acq: 05 Mar 2021 17:52

Tgt Ion: 43 Resp: 2063
Ion Ratio Lower Upper
43 100
58 18.1 0.0 55.8

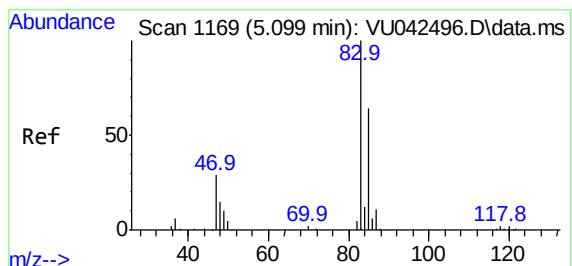
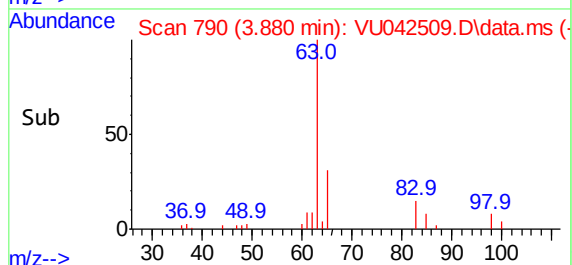
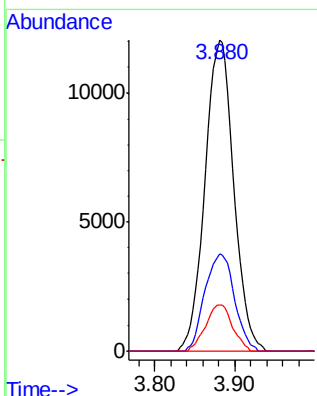
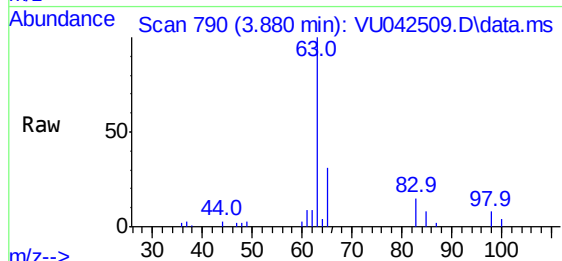




#19
1,1-Dichloroethane
Concen: 2.36 ug/L
RT: 3.880 min Scan# 790
Delta R.T. -0.000 min
Lab File: VU042509.D
Acq: 05 Mar 2021 17:52

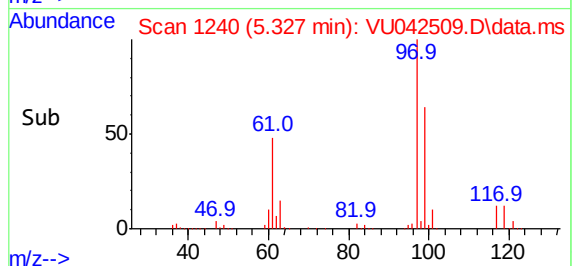
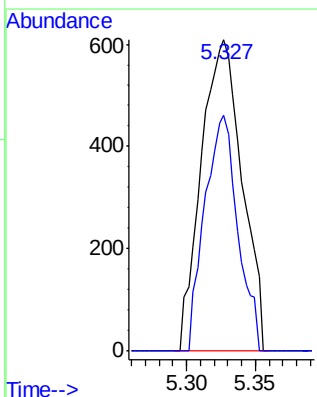
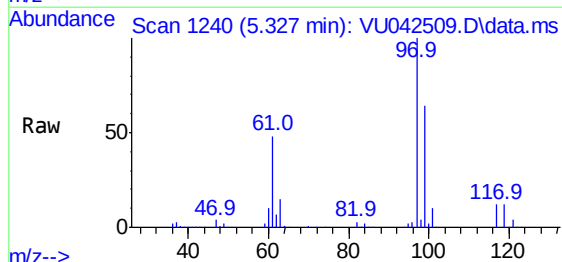
Instrument :
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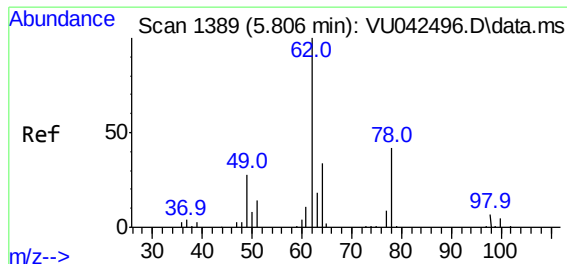
Tgt Ion: 63 Resp: 29037
Ion Ratio Lower Upper
63 100
65 31.3 22.5 41.9
83 14.9 10.1 18.7



#25
Chloroform
Concen: 0.10 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. 0.228 min
Lab File: VU042509.D
Acq: 05 Mar 2021 17:52

Tgt Ion: 83 Resp: 1258
Ion Ratio Lower Upper
83 100
85 75.9 45.7 84.9

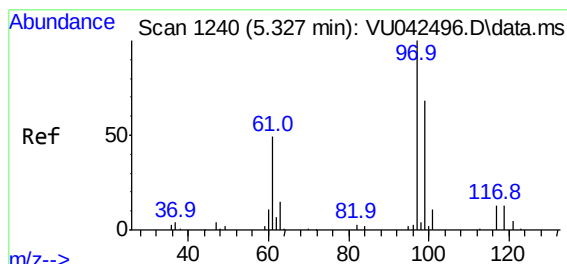
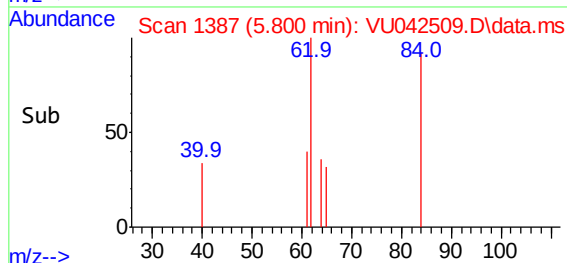
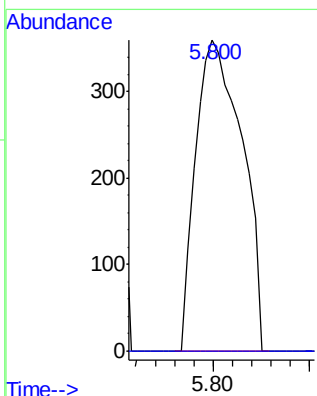
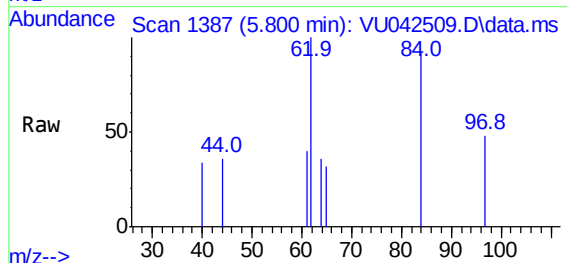




#27
1,2-Dichloroethane
Concen: 0.06 ug/L
RT: 5.800 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VU042509.D
Acq: 05 Mar 2021 17:52

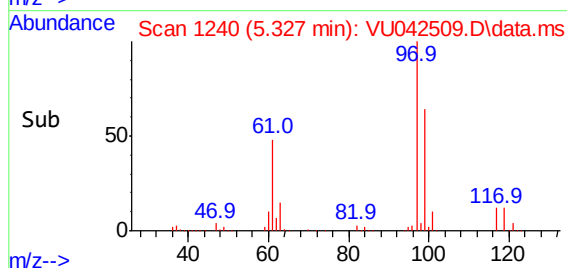
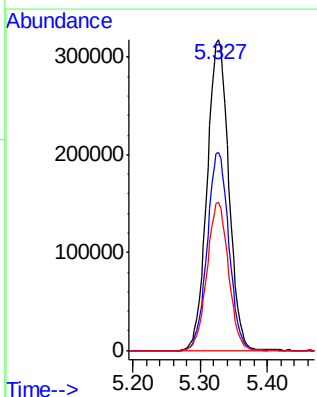
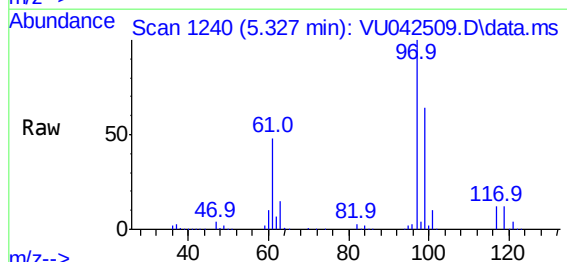
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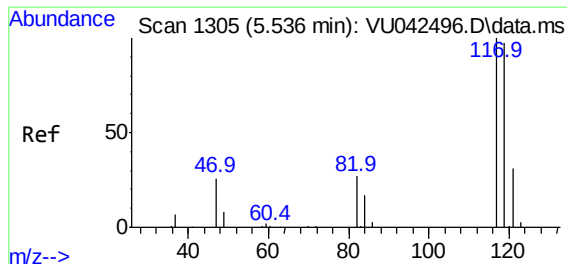
Tgt Ion: 62 Resp: 603
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#29
1,1,1-Trichloroethane
Concen: 62.20 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. -0.000 min
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Tgt Ion: 97 Resp: 714206
Ion Ratio Lower Upper
97 100
99 63.9 50.8 76.2
61 47.2 35.8 53.6

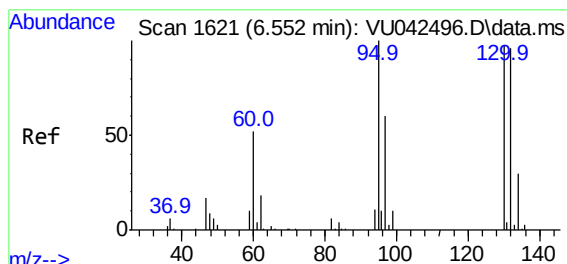
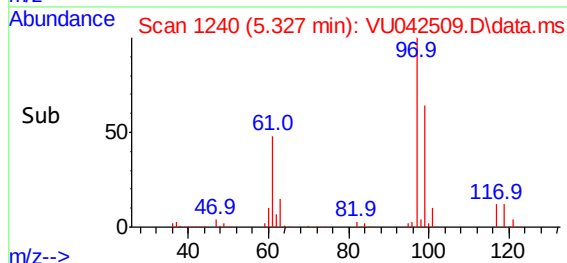
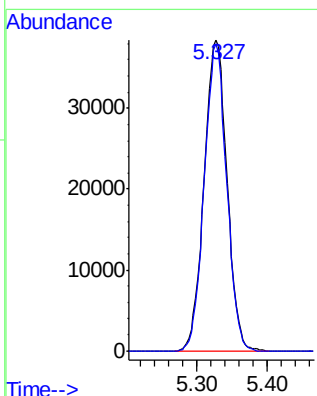
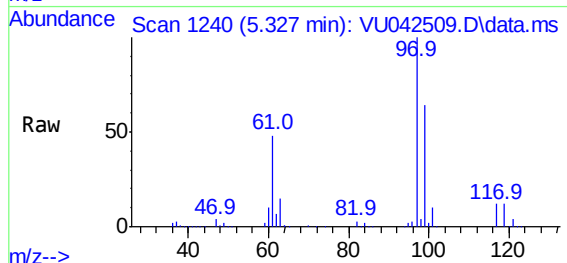




#31
Carbon tetrachloride
Concen: 8.56 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. -0.206 min
Lab File: VU042509.D
Acq: 05 Mar 2021 17:52

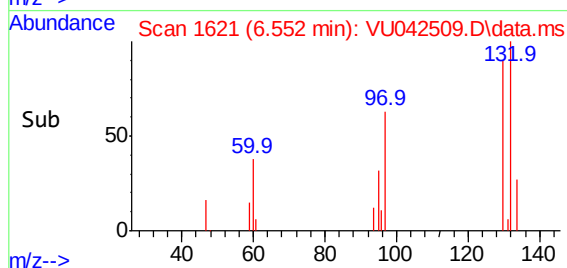
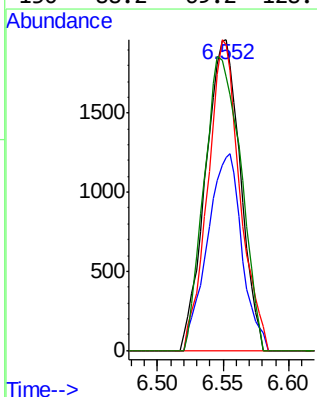
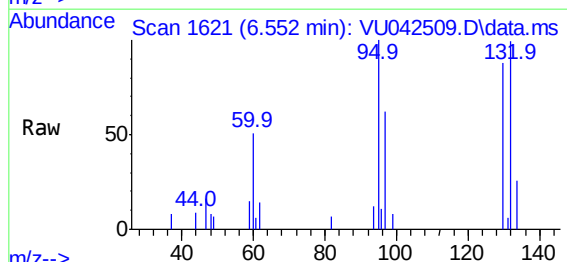
Instrument :
MSVOA_U
ClientSampled :
C03T4

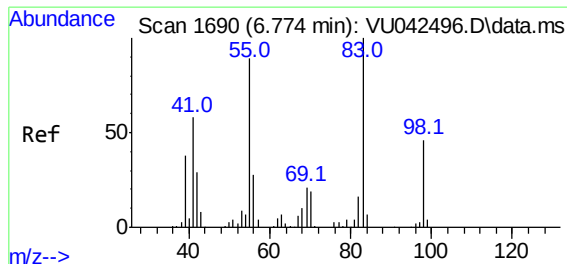
Tgt Ion:117 Resp: 86722
Ion Ratio Lower Upper
117 100
119 96.4 76.2 114.4



#34
Trichloroethene
Concen: 0.50 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. -0.000 min
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Tgt Ion: 95 Resp: 3608
Ion Ratio Lower Upper
95 100
97 62.1 44.4 82.4
132 98.5 68.0 126.4
130 88.2 69.2 128.4

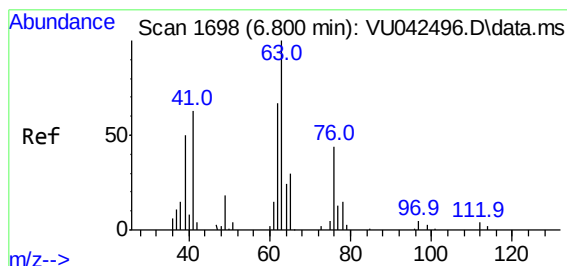
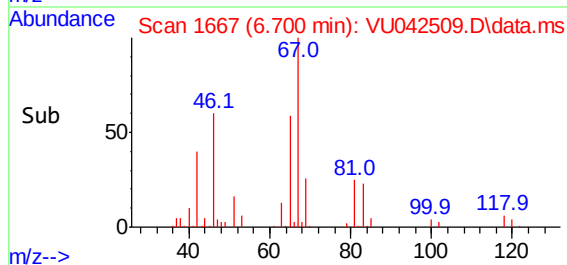
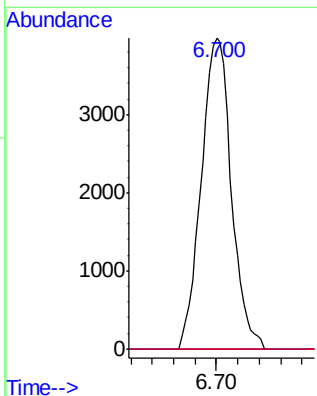
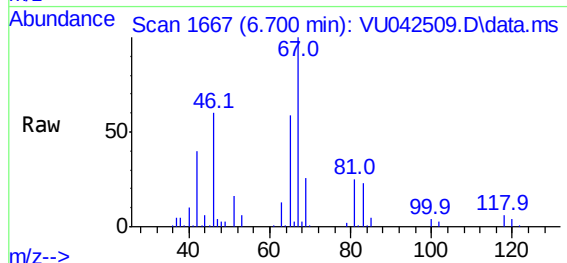




#35
Methylcyclohexane
Concen: 0.71 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042509.D
Acq: 05 Mar 2021 17:52

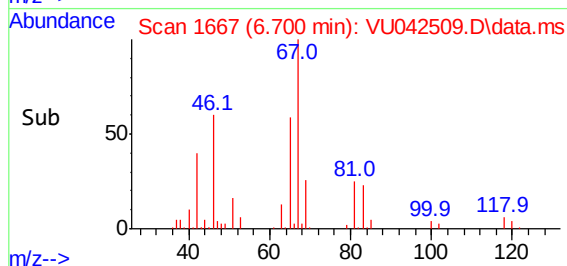
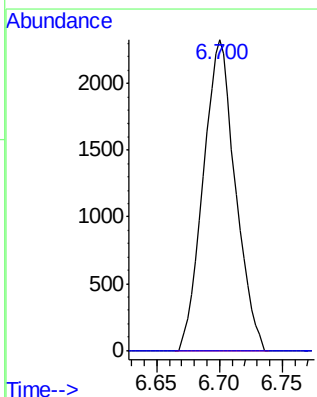
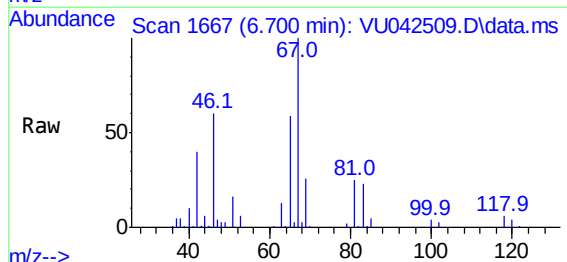
Instrument :
MSVOA_U
ClientSampled :
C03T4

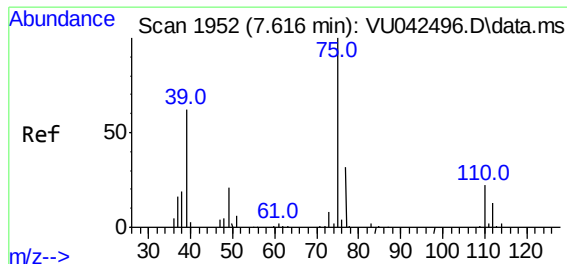
Tgt Ion: 83 Resp: 7717
Ion Ratio Lower Upper
83 100
55 0.0 68.2 102.4#
98 0.3 39.7 59.5#



#37
1,2-Dichloropropane
Concen: 0.59 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042509.D
Acq: 05 Mar 2021 17:52

Tgt Ion: 63 Resp: 4125
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

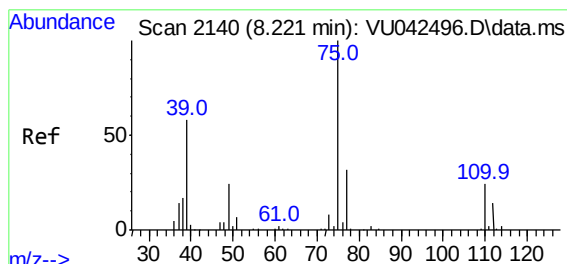
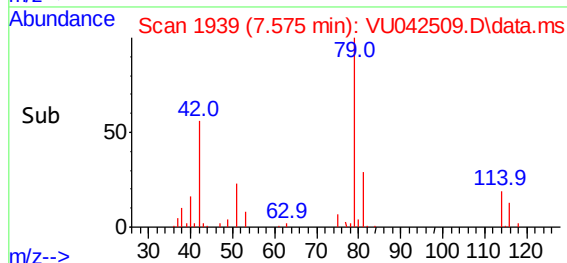
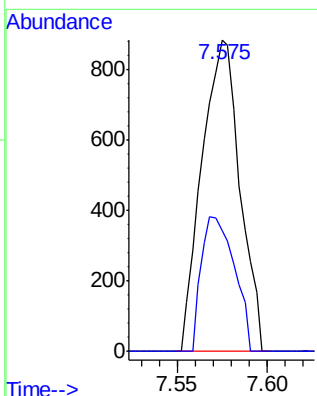
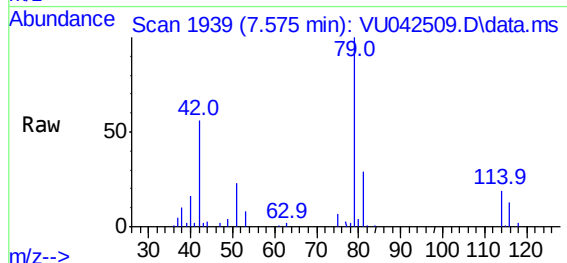




#39
cis-1,3-Dichloropropene
Concen: 0.13 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU042509.D
Acq: 05 Mar 2021 17:52

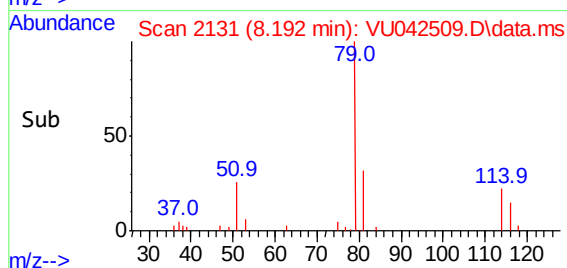
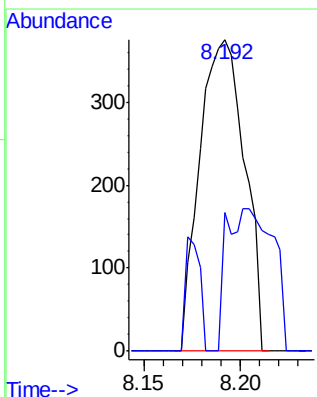
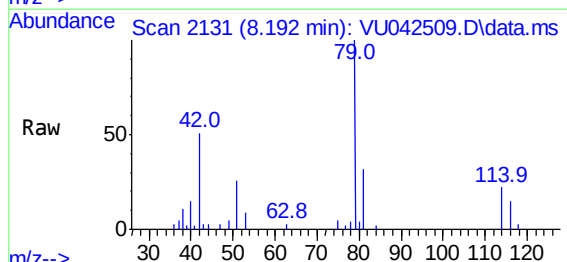
Instrument :
MSVOA_U
ClientSampled :
C03T4

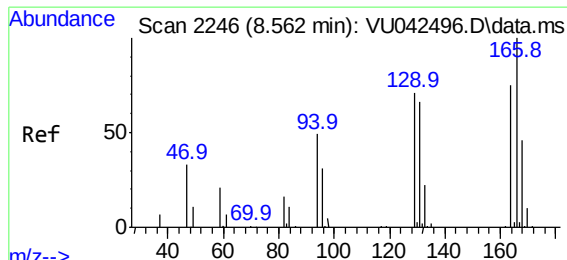
Tgt Ion: 75 Resp: 1285
Ion Ratio Lower Upper
75 100
77 38.8 22.0 40.8



#44
trans-1,3-Dichloropropene
Concen: 0.06 ug/L
RT: 8.192 min Scan# 2131
Delta R.T. -0.026 min
Lab File: VU042509.D
Acq: 05 Mar 2021 17:52

Tgt Ion: 75 Resp: 609
Ion Ratio Lower Upper
75 100
77 44.4 21.8 40.4#



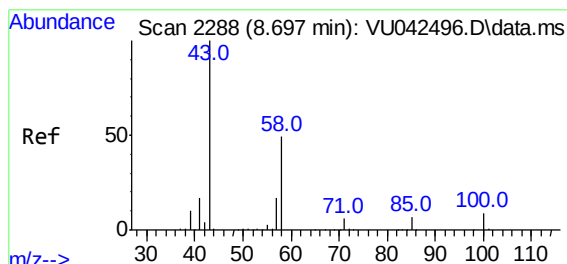
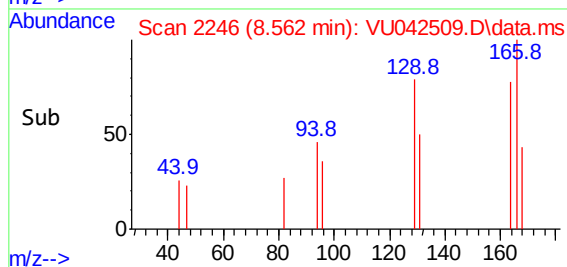
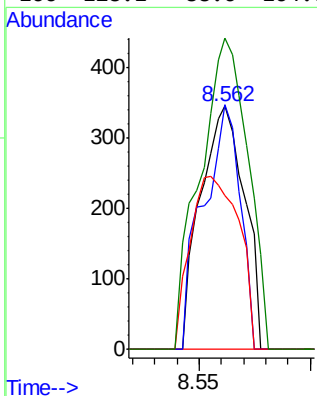
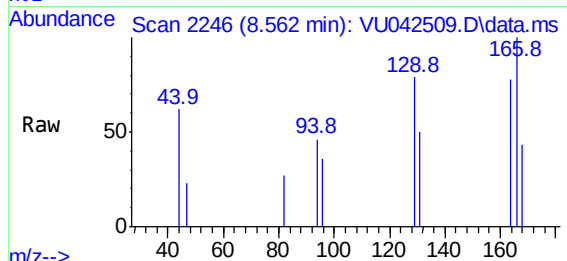


#47
Tetrachloroethene
Concen: 0.08 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.000 min
Lab File: VU042509.D
Acq: 05 Mar 2021 17:52

Instrument :
MSVOA_U
ClientSampleId :
C03T4

Tgt Ion:164 Resp: 472

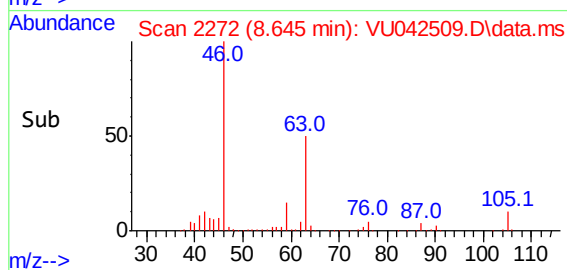
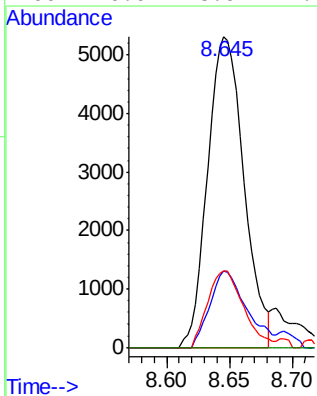
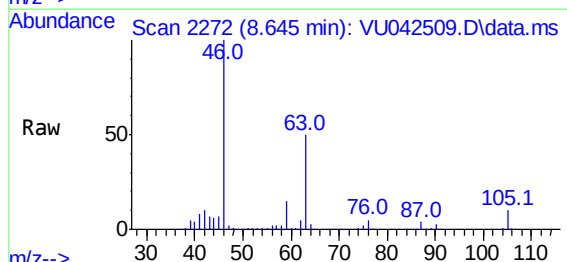
Ion	Ratio	Lower	Upper
164	100		
129	100.6	64.3	119.5
131	63.5	62.2	115.6
166	128.1	88.6	164.6

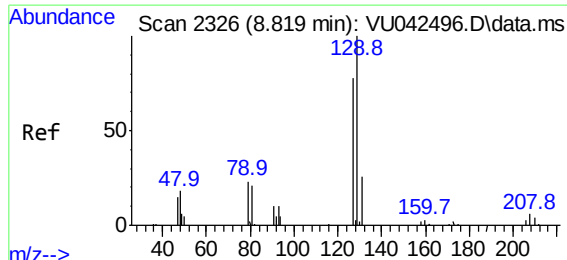


#48
2-Hexanone
Concen: 2.38 ug/L
RT: 8.645 min Scan# 2272
Delta R.T. -0.049 min
Lab File: VU042509.D
Acq: 05 Mar 2021 17:52

Tgt Ion: 43 Resp: 10699

Ion	Ratio	Lower	Upper
43	100		
58	24.8	40.6	61.0#
57	24.6	14.9	22.3#
100	0.0	8.6	12.8#





#49

Dibromochloromethane

Concen: 0.06 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. -0.257 min

Lab File: VU042509.D

Acq: 05 Mar 2021 17:52

Tgt Ion:129 Resp: 404

Ion Ratio Lower Upper

129 100

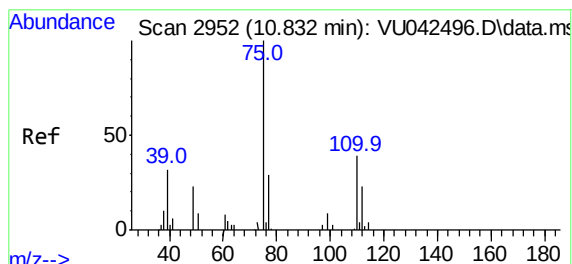
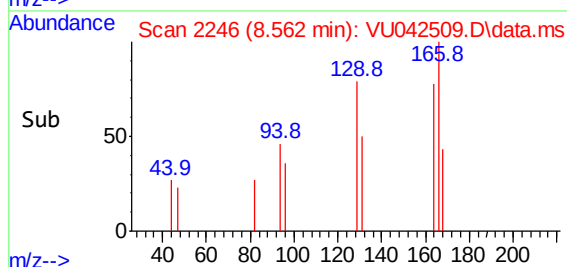
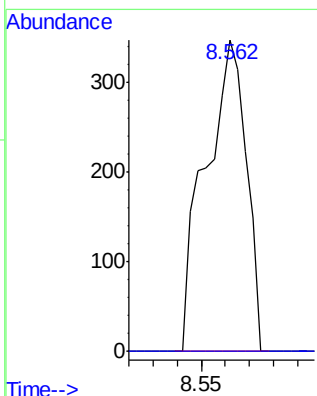
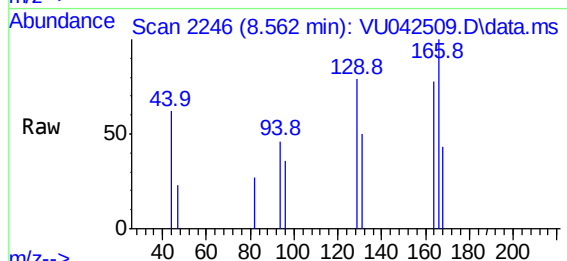
127 0.0 52.3 97.1#

Instrument :

MSVOA_U

ClientSampleId :

C03T4



#59

1,2,3-Trichloropropane

Concen: 0.07 ug/L

RT: 10.642 min Scan# 2893

Delta R.T. -0.190 min

Lab File: VU042509.D

Acq: 05 Mar 2021 17:52

Tgt Ion: 75 Resp: 372

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#

