

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
 Data File : VW018581.D
 Acq On : 07 Apr 2021 15:18
 Operator : SY/VA
 Sample : M1896-19RE
 Misc : 5.84G/10ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 08 05:36:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 08 05:34:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	109308	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	77910	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	19904	25.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	38438	25.27	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.08%
7) Chloroethane-d5	2.892	69	33162	24.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.64%
10) 1,1-Dichloroethene-d2	4.019	63	42640	16.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.96%
20) 2-Butanone-d5	7.086	46	27053	79.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	159.78%#
24) Chloroform-d	7.647	84	63303	22.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.96%
26) 1,2-Dichloroethane-d4	8.305	65	40833	25.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.48%
29) Benzene-d6	8.275	84	117739	28.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	113.72%
33) 1,2-Dichloropropane-d6	9.274	67	35483	29.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	118.80%
37) Toluene-d8	10.323	98	95817	24.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.12%
38) trans-1,3-Dichloroprop...	10.579	79	11336	18.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.60%
39) 2-Hexanone-d5	10.927	63	16368	70.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.02%#
48) 1,1,2,2-Tetrachloroeth...	12.689	84	35272	33.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	132.00%#
61) 1,2-Dichlorobenzene-d4	13.853	152	15806	22.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.36%

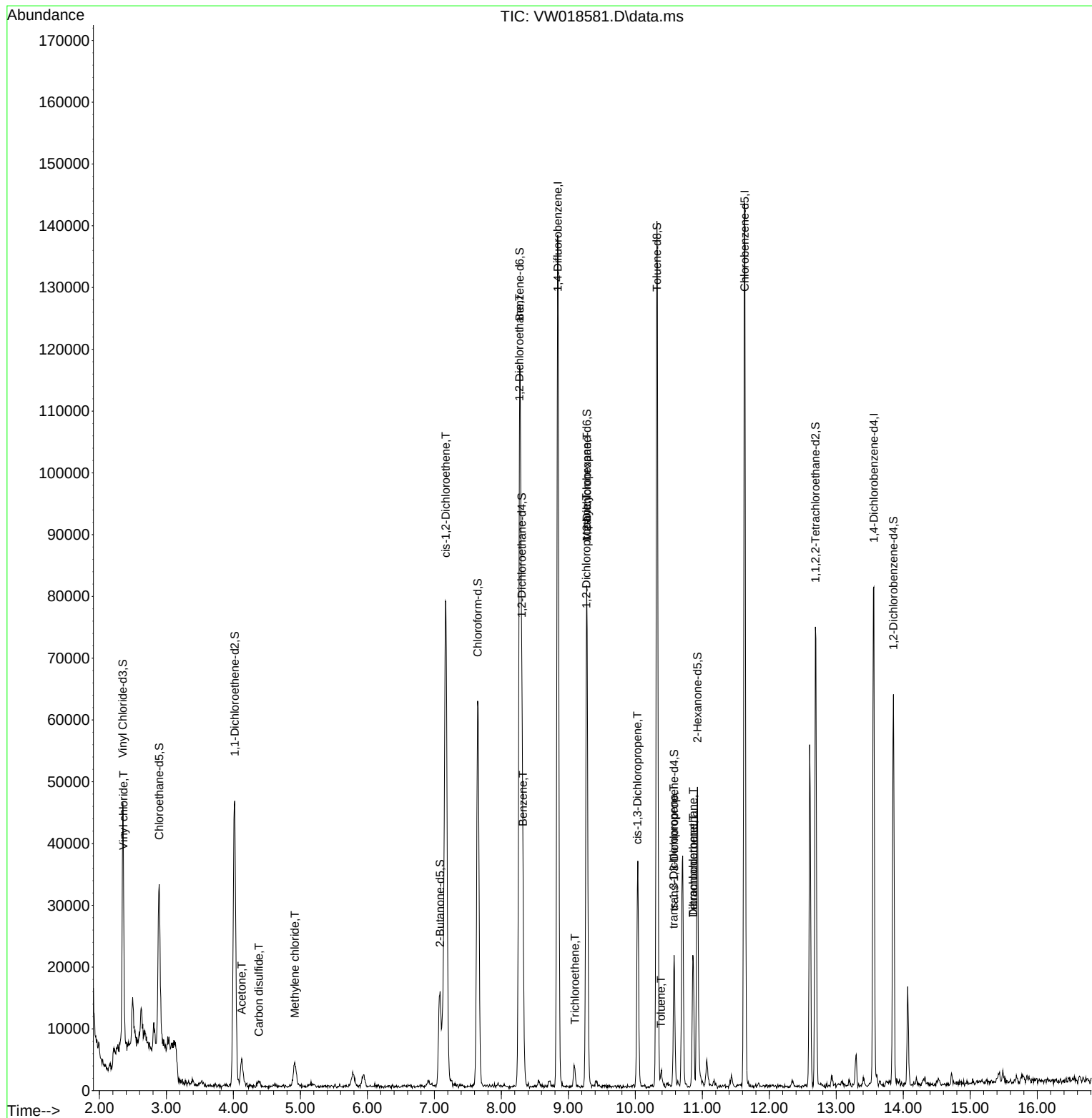
Target Compounds					Qvalue
5) Vinyl chloride	2.361	62	578	0.28 ug/L #	1
13) Acetone	4.123	43	6928	28.48 ug/L	95
14) Carbon disulfide	4.379	76	1665	0.40 ug/L #	74
16) Methylene chloride	4.916	84	2047	1.14 ug/L	90
22) cis-1,2-Dichloroethene	7.171	96	46976	29.48 ug/L	90
27) 1,2-Dichloroethane	8.269	62	1001	0.51 ug/L #	77
34) Benzene	8.323	78	8213	1.82 ug/L	100
35) Trichloroethene	9.098	95	1248	1.00 ug/L #	30
36) Methylcyclohexane	9.274	83	9292	4.26 ug/L #	21
40) 1,2-Dichloropropane	9.268	63	4753	4.31 ug/L #	84
42) cis-1,3-Dichloropropene	10.030	75	1052	0.56 ug/L	86
44) Toluene	10.384	91	1759	0.34 ug/L	90
45) trans-1,3-Dichloropropene	10.573	75	623	0.37 ug/L	96
47) Tetrachloroethene	10.866	164	4482	4.74 ug/L	81
50) Dibromochloromethane	10.866	129	4658	4.49 ug/L #	8

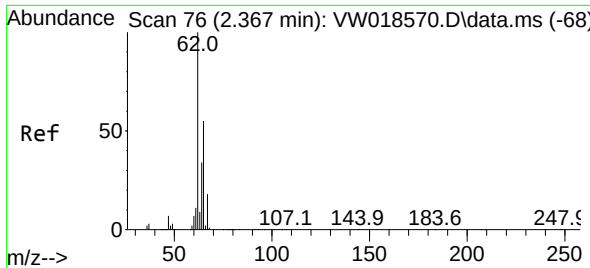
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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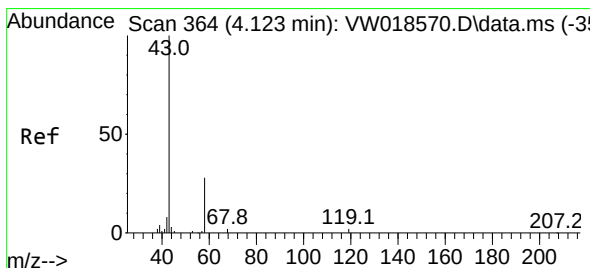
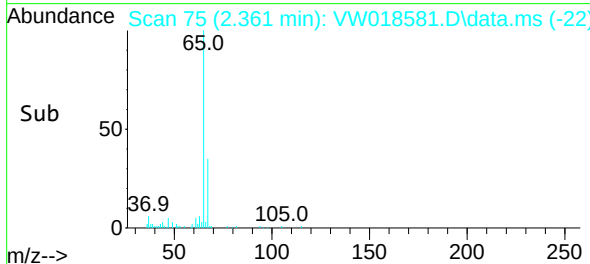
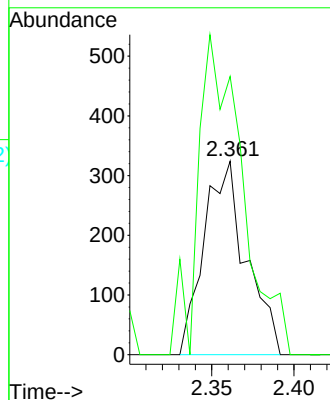
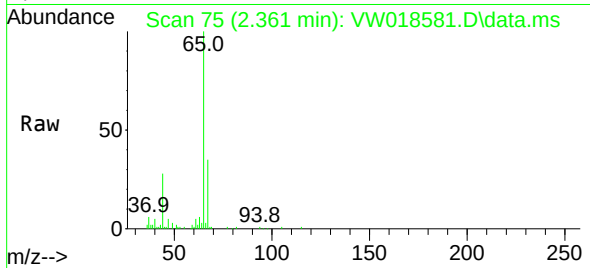




#5
 Vinyl chloride
 Concen: 0.28 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. -0.006 min
 Lab File: VW018581.D
 Acq: 07 Apr 2021 15:18

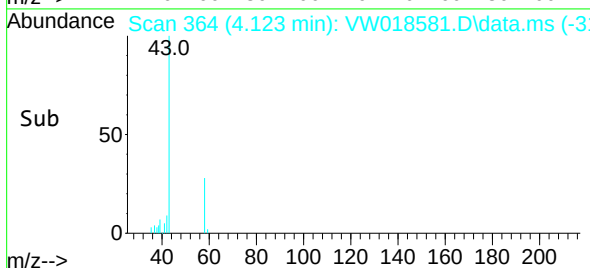
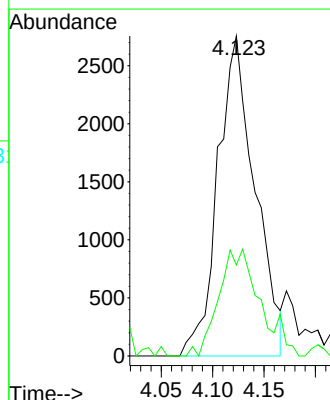
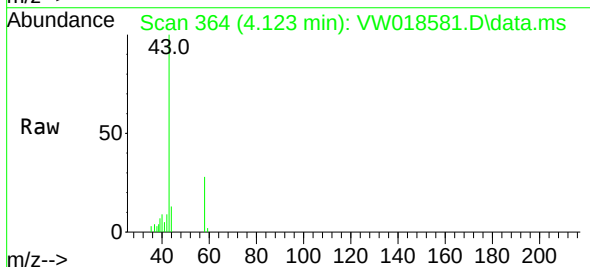
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 MSVOA_W
 ClientSampled :

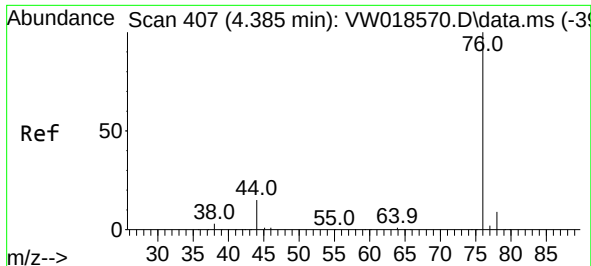
Tgt Ion: 62 Resp: 578
 Ion Ratio Lower Upper
 62 100
 64 143.8 23.5 43.7#



#13
 Acetone
 Concen: 28.48 ug/L
 RT: 4.123 min Scan# 364
 Delta R.T. 0.000 min
 Lab File: VW018581.D
 Acq: 07 Apr 2021 15:18

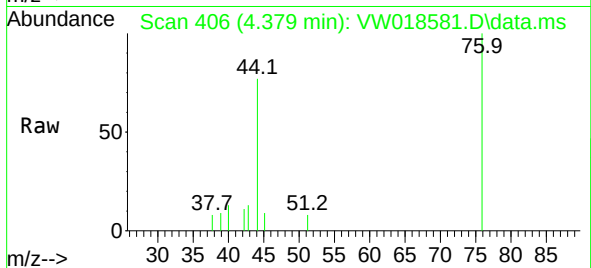
Tgt Ion: 43 Resp: 6928
 Ion Ratio Lower Upper
 43 100
 58 33.7 0.0 62.2



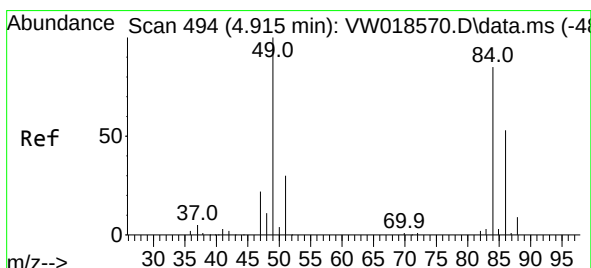
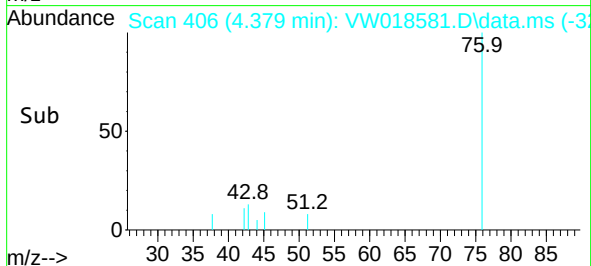
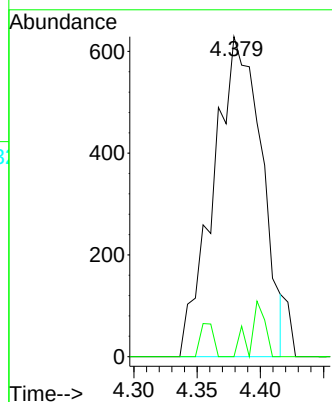


#14
Carbon disulfide
Concen: 0.40 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.006 min
Lab File: VW018581.D
Acq: 07 Apr 2021 15:18

Instrument :
MSVOA_W
ClientSampled :

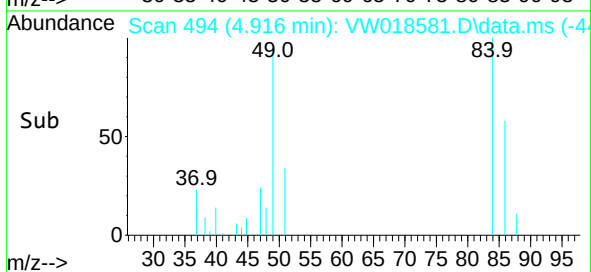
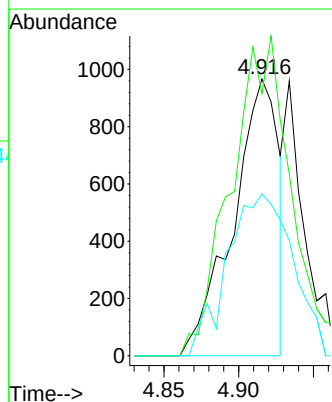
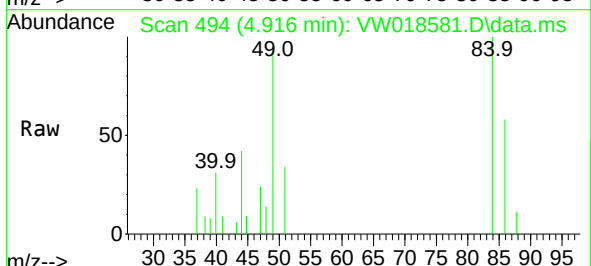


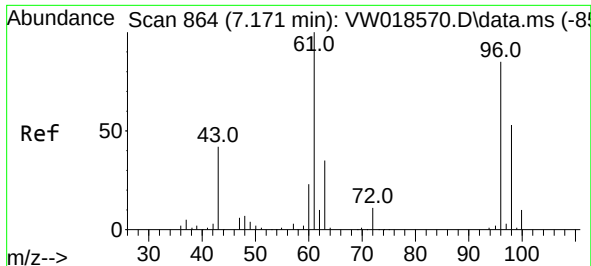
Tgt Ion: 76 Resp: 1665
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#16
Methylene chloride
Concen: 1.14 ug/L
RT: 4.916 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW018581.D
Acq: 07 Apr 2021 15:18

Tgt Ion: 84 Resp: 2047
Ion Ratio Lower Upper
84 100
49 94.8 74.4 138.2
86 58.5 46.1 85.7

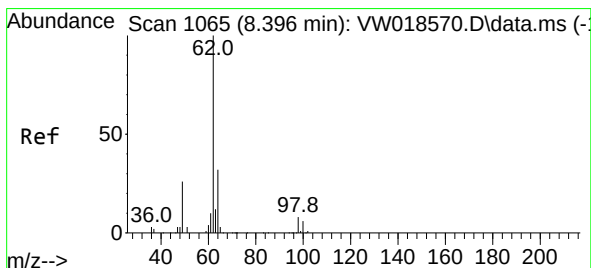
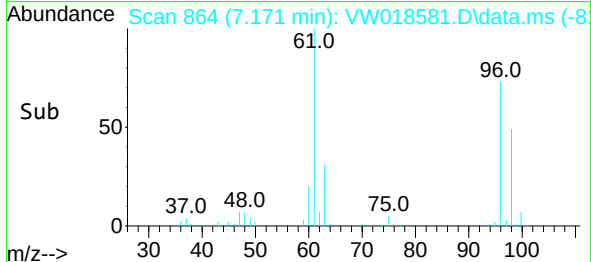
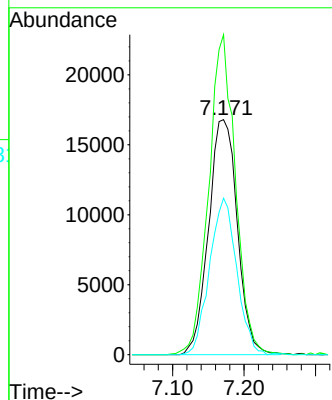
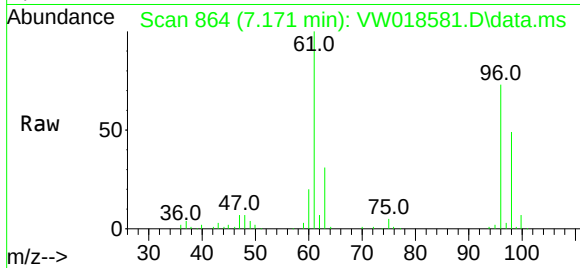




#22
 cis-1,2-Dichloroethene
 Concen: 29.48 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: VW018581.D
 Acq: 07 Apr 2021 15:18

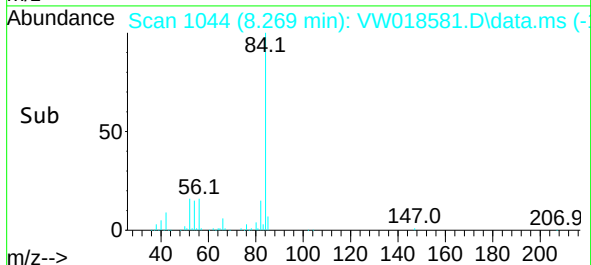
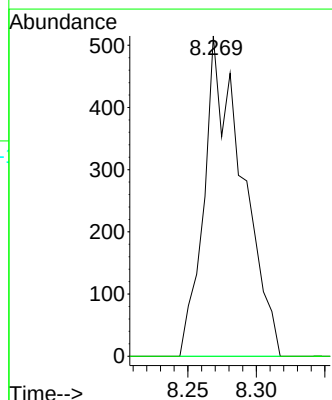
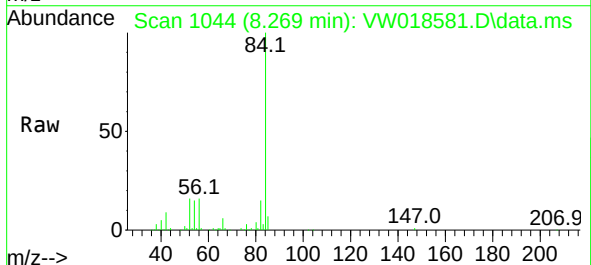
Instrument :
 MSVOA_W
 ClientSampled :

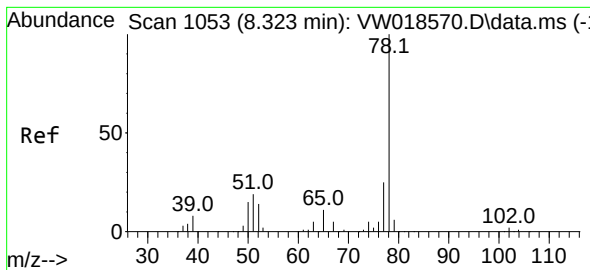
Tgt Ion: 96 Resp: 46976
 Ion Ratio Lower Upper
 96 100
 61 136.1 84.8 157.6
 98 66.6 45.1 83.9



#27
 1,2-Dichloroethane
 Concen: 0.51 ug/L
 RT: 8.269 min Scan# 1044
 Delta R.T. -0.128 min
 Lab File: VW018581.D
 Acq: 07 Apr 2021 15:18

Tgt Ion: 62 Resp: 1001
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.4 9.6#





#34

Benzene

Concen: 1.82 ug/L

RT: 8.323 min Scan# 1053

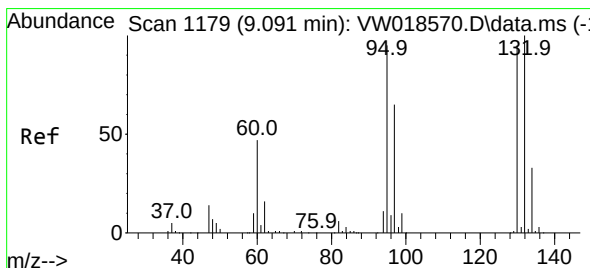
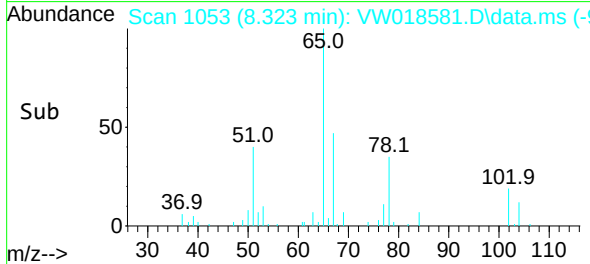
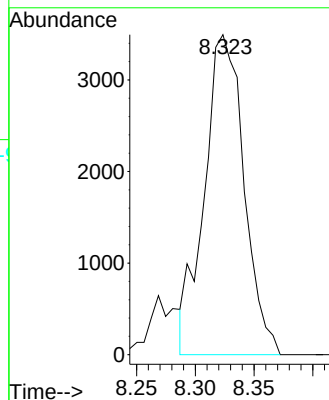
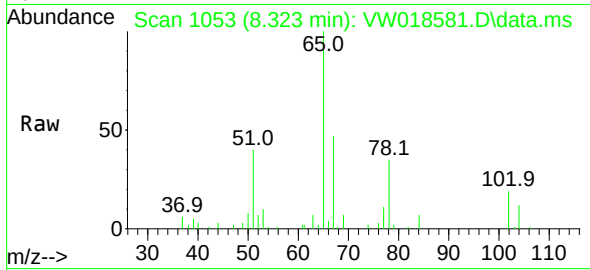
Delta R.T. 0.000 min

Lab File: VW018581.D

Acq: 07 Apr 2021 15:18

Tgt Ion: 78 Resp: 8213

Instrument :
MSVOA_W
ClientSampled :



#35

Trichloroethene

Concen: 1.00 ug/L

RT: 9.098 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VW018581.D

Acq: 07 Apr 2021 15:18

Tgt Ion: 95 Resp: 1248

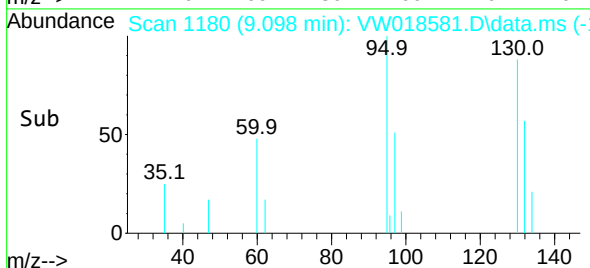
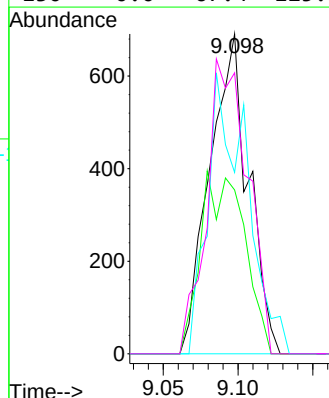
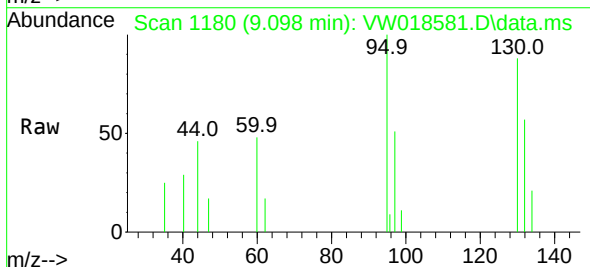
Ion Ratio Lower Upper

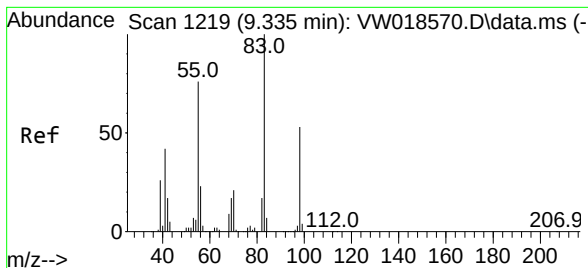
95 100

97 36.3 44.4 82.4#

132 32.5 65.9 122.5#

130 0.0 67.4 125.2#

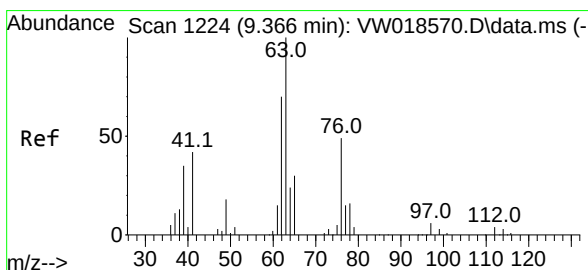
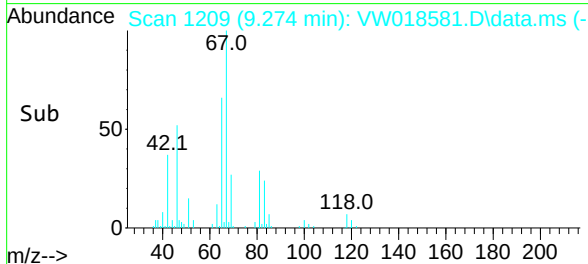
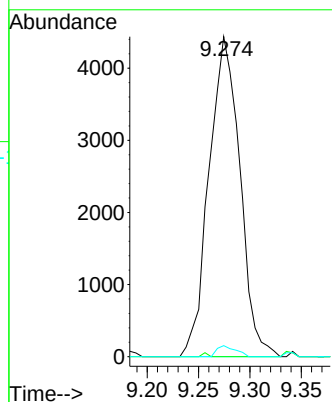
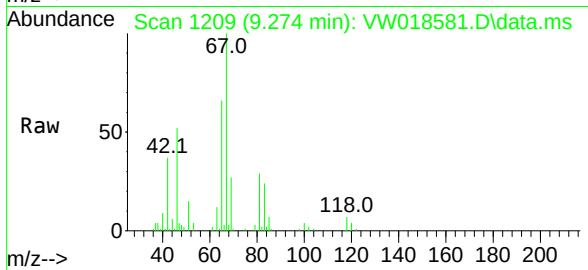




#36
Methylcyclohexane
Concen: 4.26 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.061 min
Lab File: VW018581.D
Acq: 07 Apr 2021 15:18

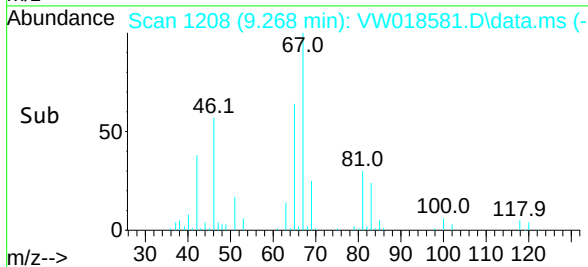
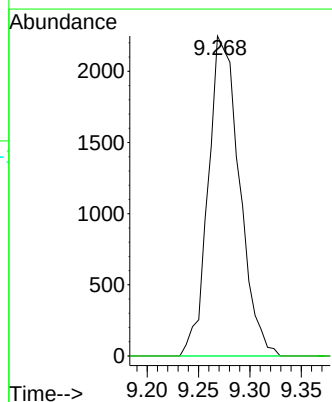
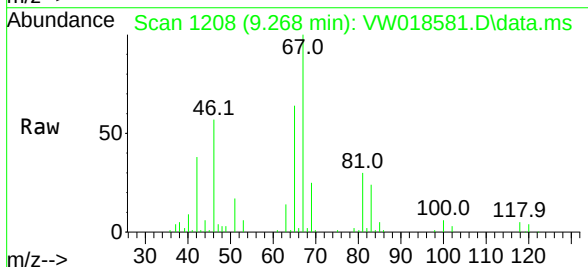
Instrument :
MSVOA_W
ClientSampled :

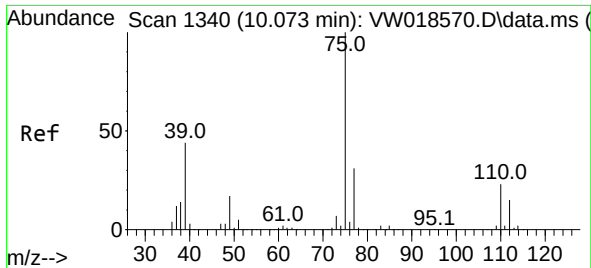
Tgt Ion: 83 Resp: 9292
Ion Ratio Lower Upper
83 100
55 0.0 56.8 85.2#
98 2.1 40.6 61.0#



#40
1,2-Dichloropropane
Concen: 4.31 ug/L
RT: 9.268 min Scan# 1208
Delta R.T. -0.097 min
Lab File: VW018581.D
Acq: 07 Apr 2021 15:18

Tgt Ion: 63 Resp: 4753
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.4#

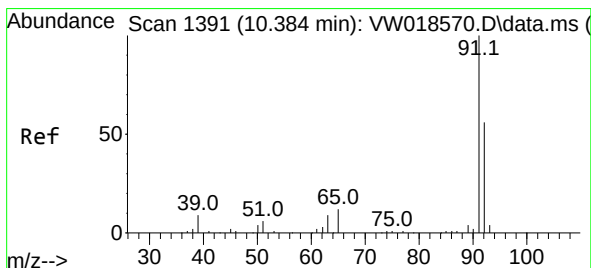
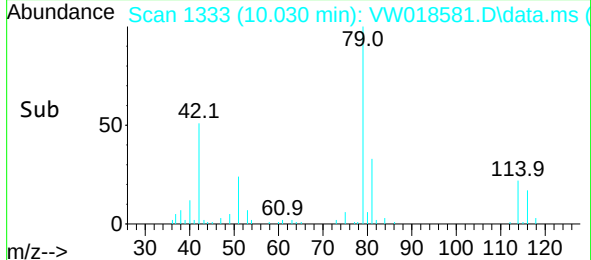
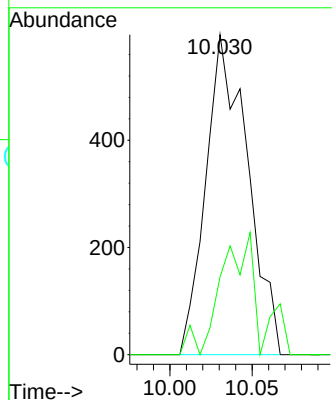
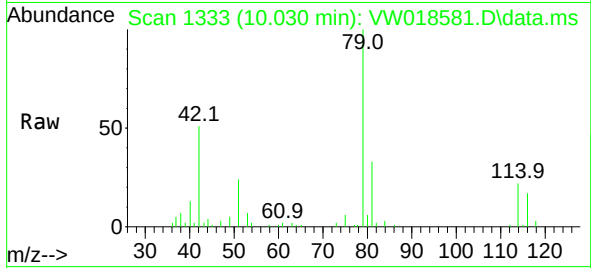




#42
cis-1,3-Dichloropropene
Concen: 0.56 ug/L
RT: 10.030 min Scan# 1333
Delta R.T. -0.043 min
Lab File: VW018581.D
Acq: 07 Apr 2021 15:18

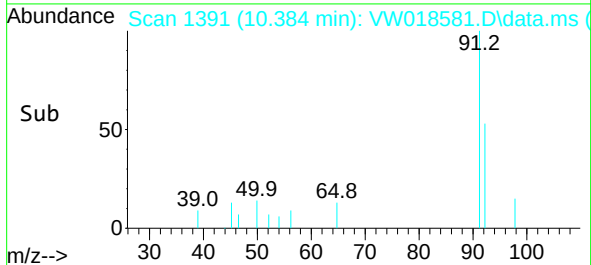
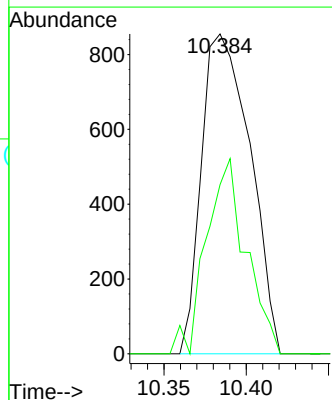
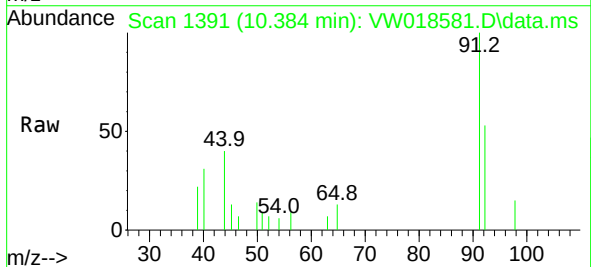
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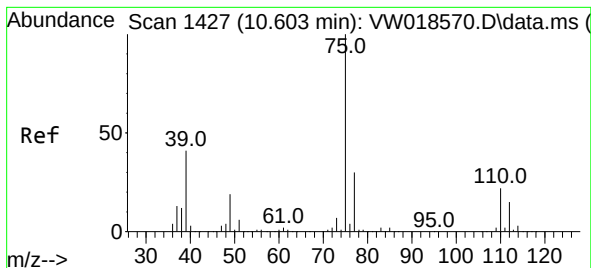
Tgt Ion: 75 Resp: 1052
Ion Ratio Lower Upper
75 100
77 24.3 22.4 41.6



#44
Toluene
Concen: 0.34 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW018581.D
Acq: 07 Apr 2021 15:18

Tgt Ion: 91 Resp: 1759
Ion Ratio Lower Upper
91 100
92 52.9 42.3 78.5

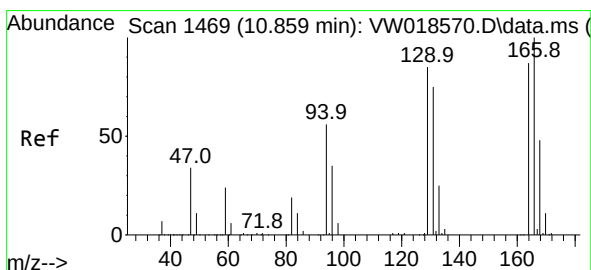
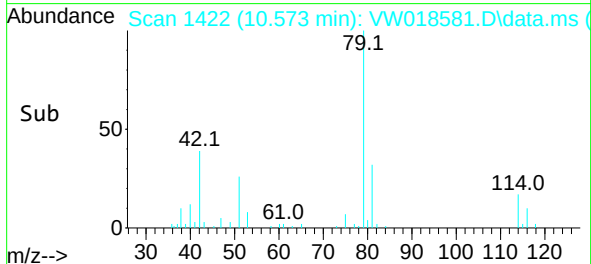
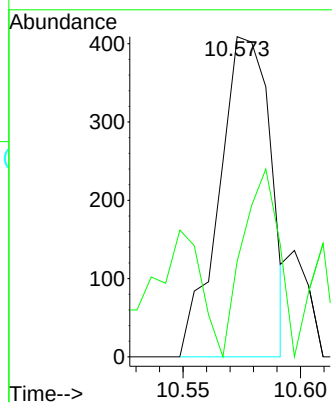
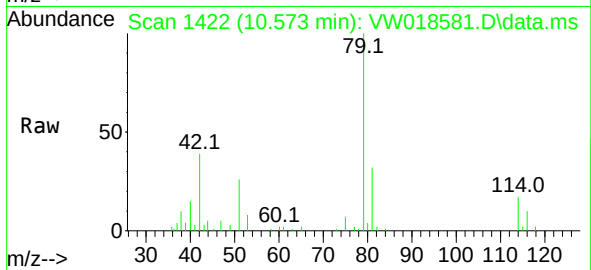




#45
trans-1,3-Dichloropropene
Concen: 0.37 ug/L
RT: 10.573 min Scan# 1422
Delta R.T. -0.030 min
Lab File: VW018581.D
Acq: 07 Apr 2021 15:18

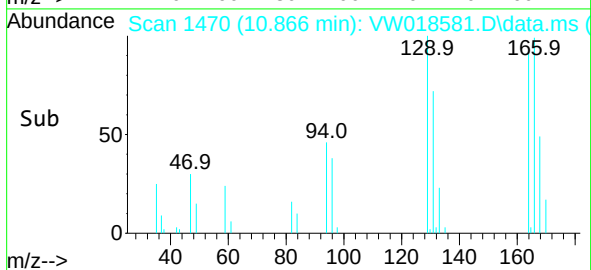
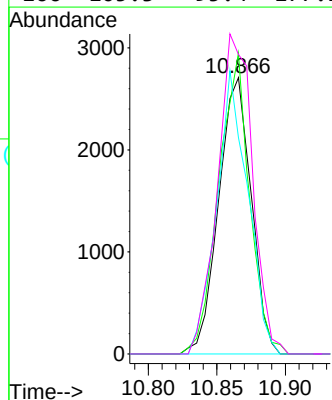
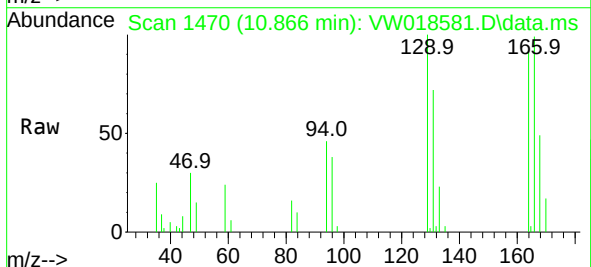
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ClientSampleId :

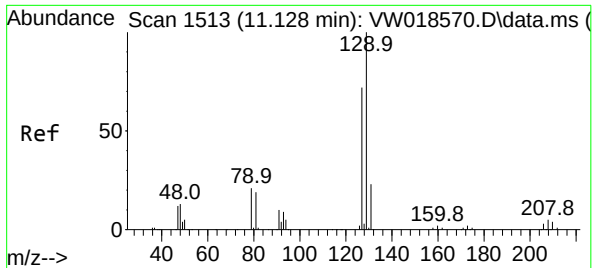
Tgt Ion: 75 Resp: 623
Ion Ratio Lower Upper
75 100
77 29.8 22.6 42.0



#47
Tetrachloroethene
Concen: 4.74 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW018581.D
Acq: 07 Apr 2021 15:18

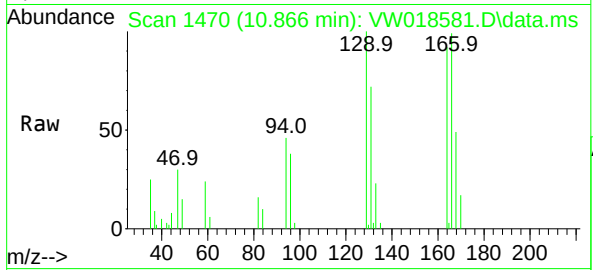
Tgt Ion:164 Resp: 4482
Ion Ratio Lower Upper
164 100
129 105.8 68.8 127.8
131 76.1 68.3 126.8
166 105.3 95.4 177.2





#50
 Dibromochloromethane
 Concen: 4.49 ug/L
 RT: 10.866 min Scan# 1470
 Delta R.T. -0.262 min
 Lab File: VW018581.D
 Acq: 07 Apr 2021 15:18

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:129 Resp: 4658
 Ion Ratio Lower Upper
 129 100
 127 0.0 58.0 107.6#

