

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100120\
 Data File : VW016744.D
 Acq On : 01 Oct 2020 17:39
 Operator : SY/VA
 Sample : L4203-02
 Misc : 5.58G/10ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 01 21:36:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 01 21:33:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	614548	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	477409	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	193510	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	98734	16.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.40%
7) Chloroethane-d5	2.91	69	96560	19.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.52%
10) 1,1-Dichloroethene-d2	4.03	63	171662	12.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	51.64%
20) 2-Butanone-d5	7.09	46	58925	36.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.66%
24) Chloroform-d	7.65	84	283321	22.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.16%
26) 1,2-Dichloroethane-d4	8.31	65	138708	21.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.08%
29) Benzene-d6	8.28	84	536065	25.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.16%
33) 1,2-Dichloropropane-d6	9.28	67	152077	26.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.84%
37) Toluene-d8	10.33	98	481533	22.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.44%
38) trans-1,3-Dichloropropene-	10.58	79	55453	18.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.84%
39) 2-Hexanone-d5	10.93	63	43577	41.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	110409	22.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	146900	23.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.04%

Target Compounds

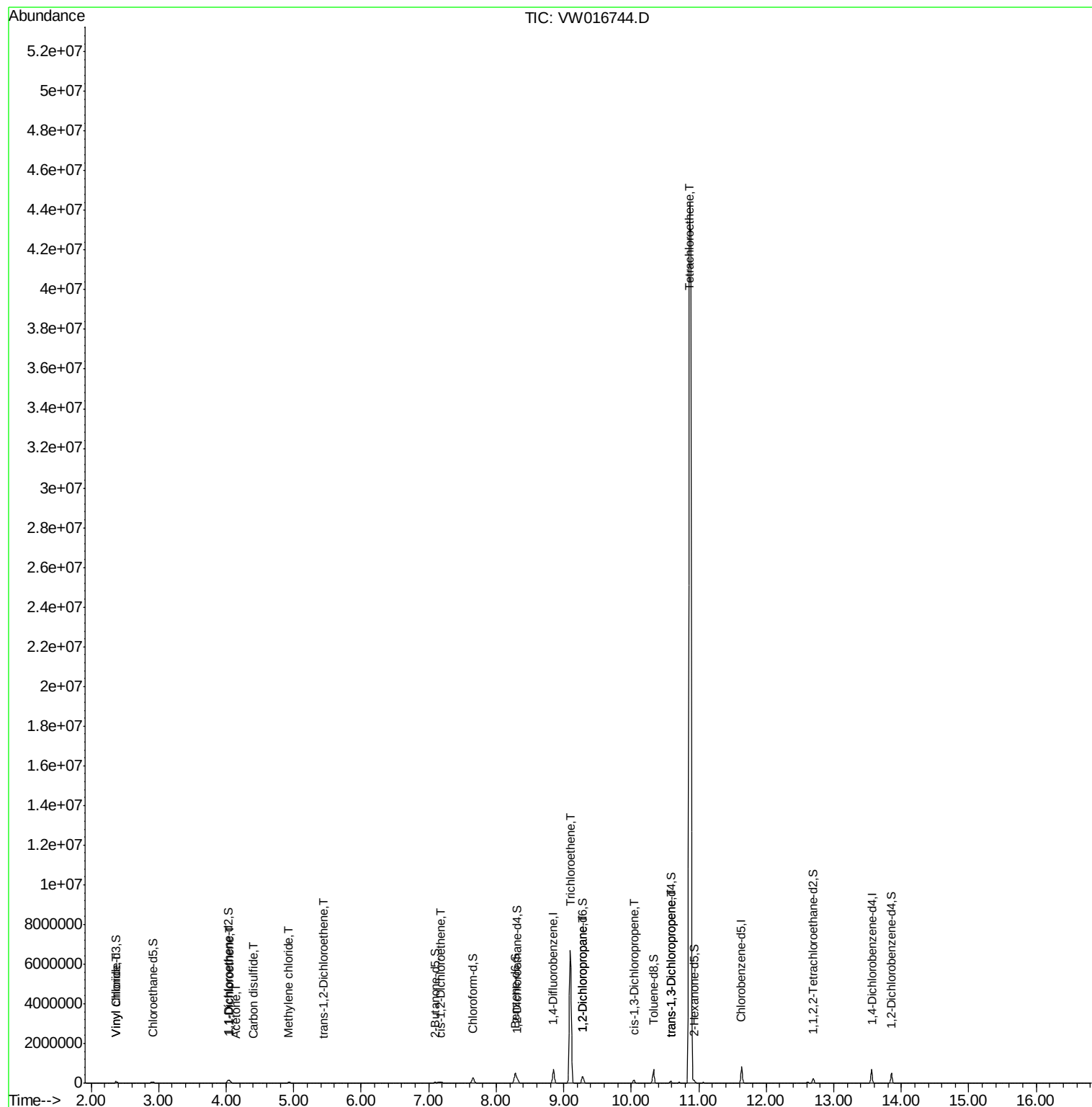
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.38	62	2971	0.362	ug/L #	29
12) 1,1-Dichloroethene	4.06	96	11991	1.540	ug/L #	1
13) Acetone	4.15	43	9483	7.465	ug/L	94
14) Carbon disulfide	4.40	76	11171	0.476	ug/L	98
16) Methylene chloride	4.93	84	34448	3.634	ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	2616	0.325	ug/L	77
22) cis-1,2-Dichloroethene	7.18	96	28857	3.450	ug/L	94
35) Trichloroethene	9.10	95	2309162	311.907	ug/L	99
40) 1,2-Dichloropropane	9.28	63	17174	2.886	ug/L #	83
42) cis-1,3-Dichloropropene	10.04	75	4234	0.417	ug/L #	76
45) trans-1,3-Dichloropropene	10.59	75	2561	0.290	ug/L	91
47) Tetrachloroethene	10.87	164	8243737	1233.159	ug/L	96

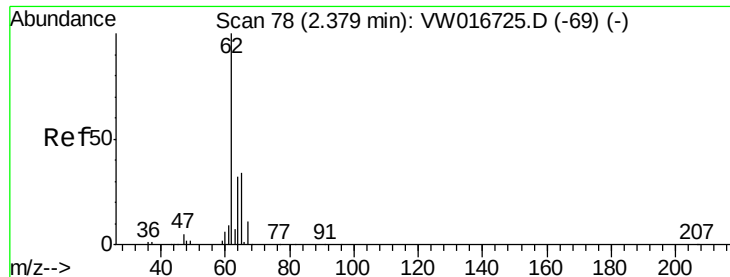
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Oct 01 21:33:07 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.362 ug/L

RT: 2.38 min Scan# 78

Delta R.T. 0.00 min

Lab File: VW016744.D

Acq: 01 Oct 2020 17:39

Instrument :

MSVOA_W

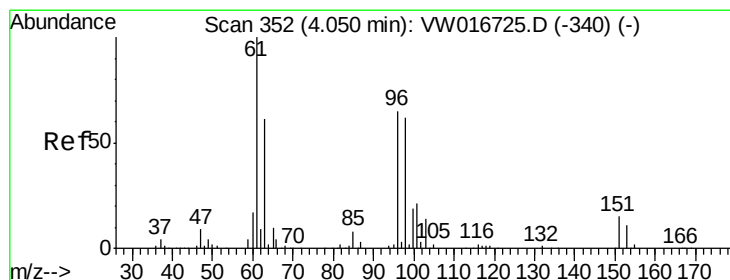
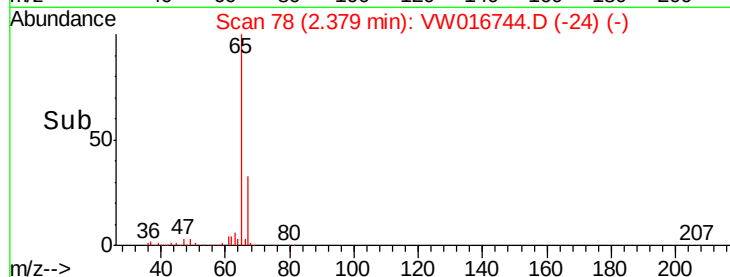
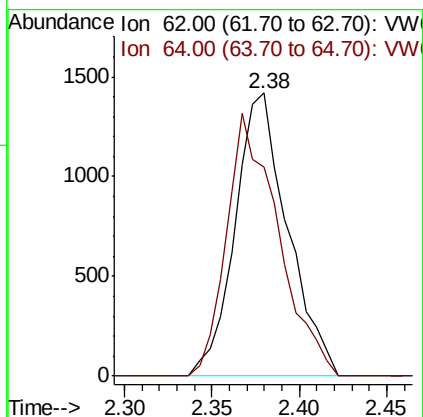
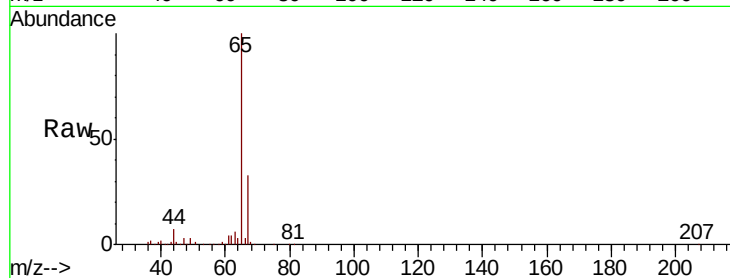
ClientSampleId :

Tot Ion: 62 Resp: 2971

Ion Ratio Lower Upper

62 100

64 73.7 23.4 43.4#



#12

1,1-Dichloroethene

Concen: 1.540 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW016744.D

Acq: 01 Oct 2020 17:39

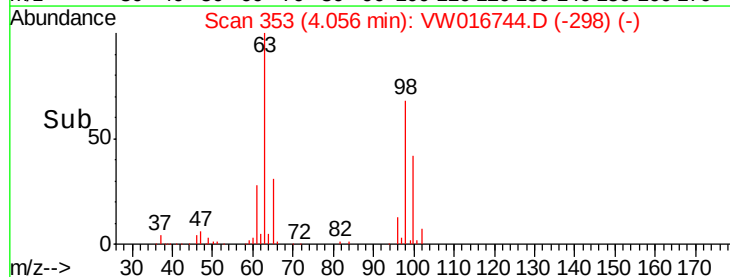
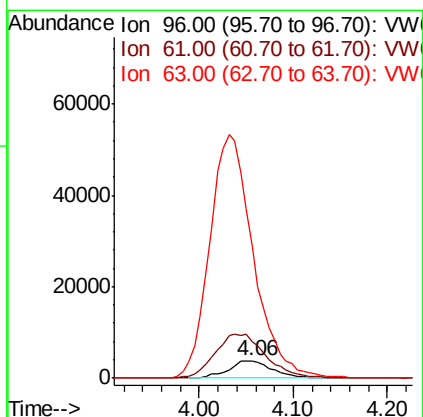
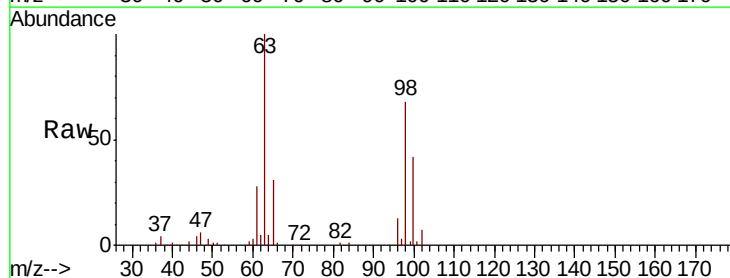
Tgt Ion: 96 Resp: 11991

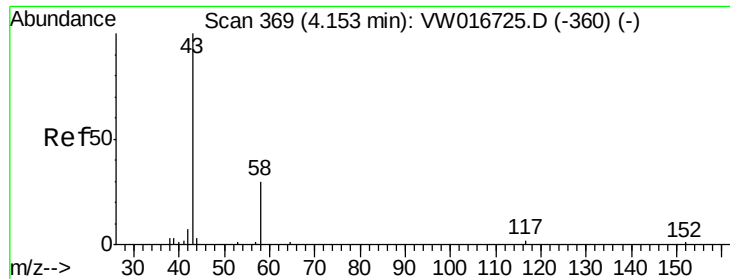
Ion Ratio Lower Upper

96 100

61 210.8 111.4 206.8#

63 765.7 73.0 135.6#





#13

Acetone

Concen: 7.465 ug/L

RT: 4.15 min Scan# 368

Delta R.T. -0.01 min

Lab File: VW016744.D

Acq: 01 Oct 2020 17:39

Instrument :

MSVOA_W

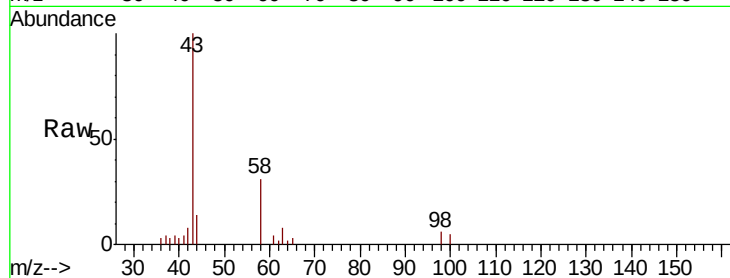
ClientSampleId :

Tot Ion: 43 Resp: 9483

Ion Ratio Lower Upper

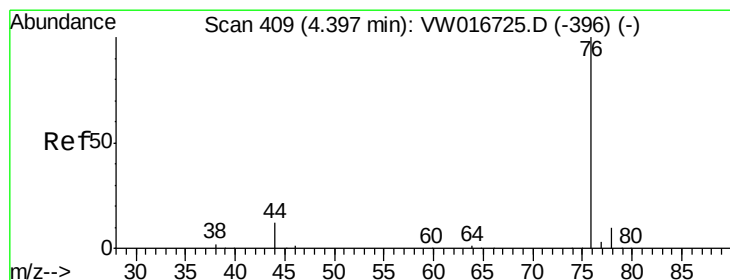
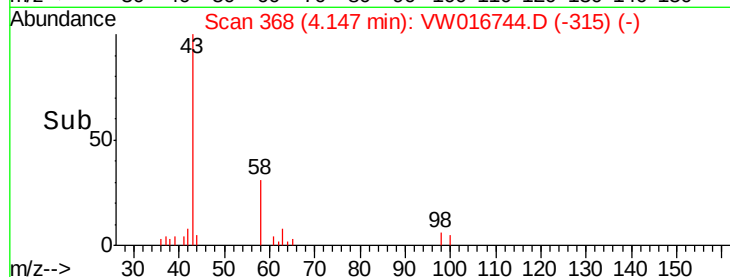
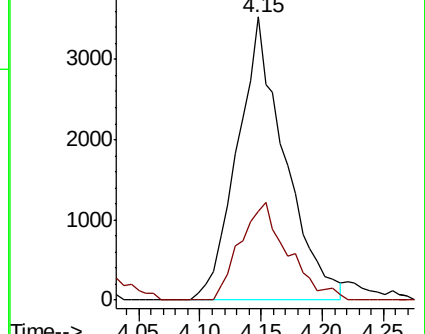
43 100

58 33.5 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.476 ug/L

RT: 4.40 min Scan# 410

Delta R.T. 0.01 min

Lab File: VW016744.D

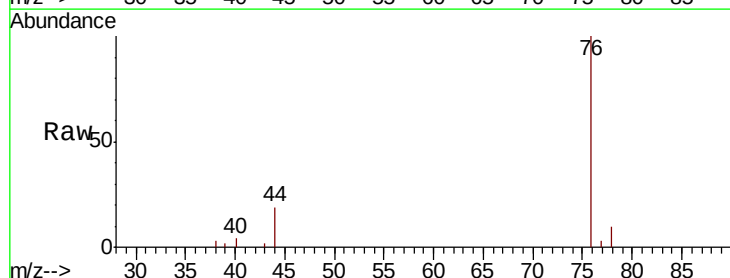
Acq: 01 Oct 2020 17:39

Tgt Ion: 76 Resp: 11171

Ion Ratio Lower Upper

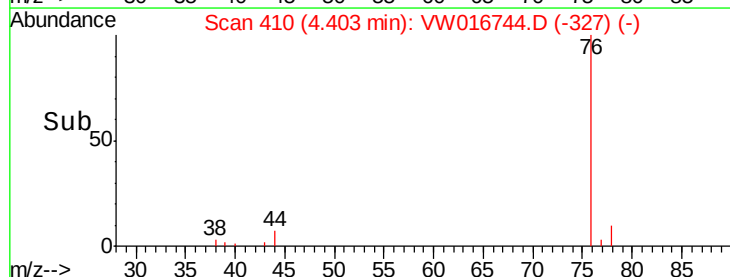
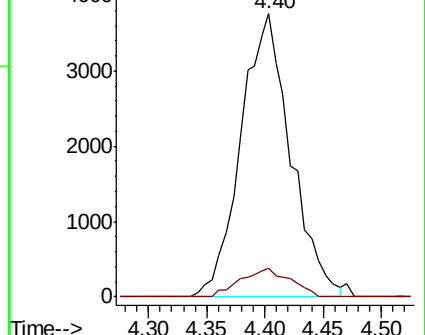
76 100

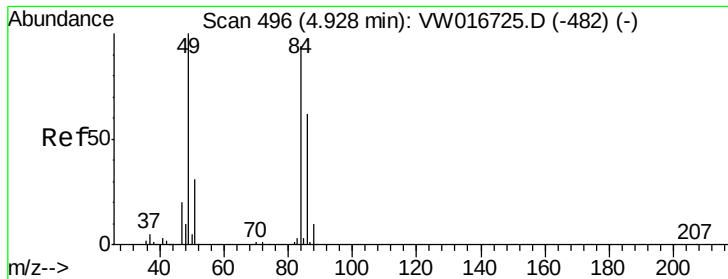
78 10.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

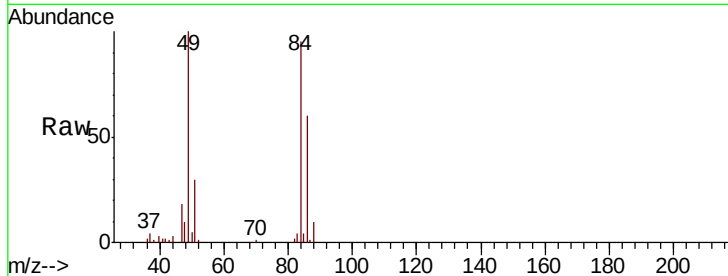




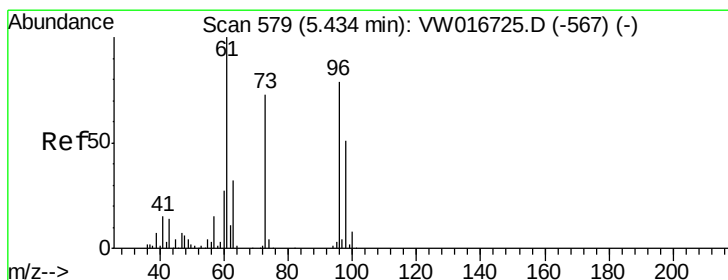
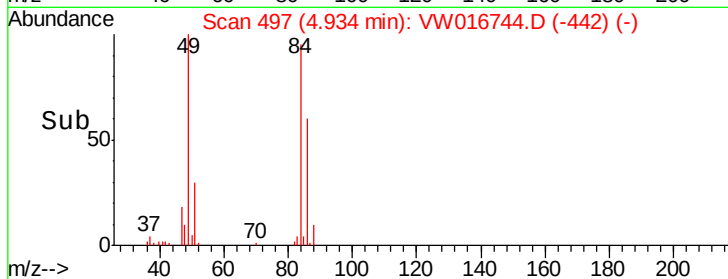
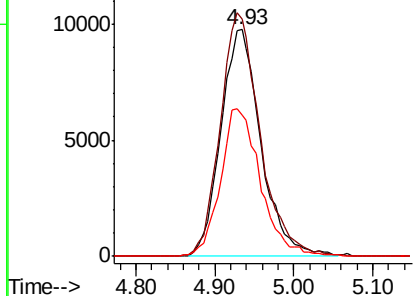
#16
Methylene chloride
Concen: 3.634 ug/L
RT: 4.93 min Scan# 497
Delta R.T. 0.01 min
Lab File: VW016744.D
Acq: 01 Oct 2020 17:39

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 34448
Ion Ratio Lower Upper
84 100
49 104.9 76.0 141.2
86 62.5 45.6 84.6

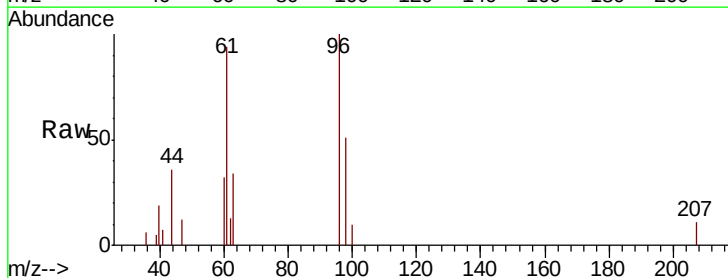


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

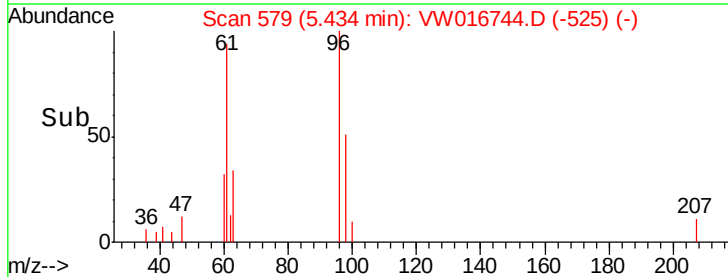
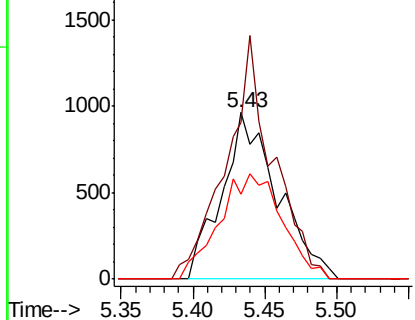


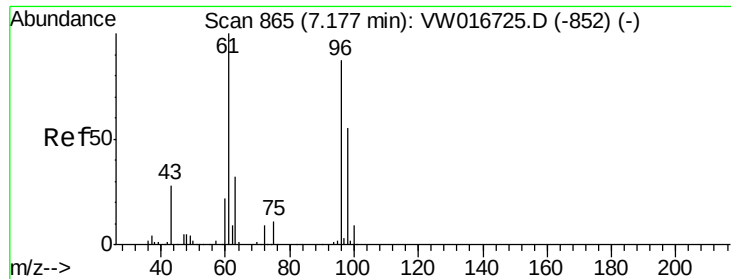
#18
trans-1,2-Dichloroethene
Concen: 0.325 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW016744.D
Acq: 01 Oct 2020 17:39

Tgt Ion: 96 Resp: 2616
Ion Ratio Lower Upper
96 100
61 94.2 88.4 164.2
98 51.3 43.0 80.0



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



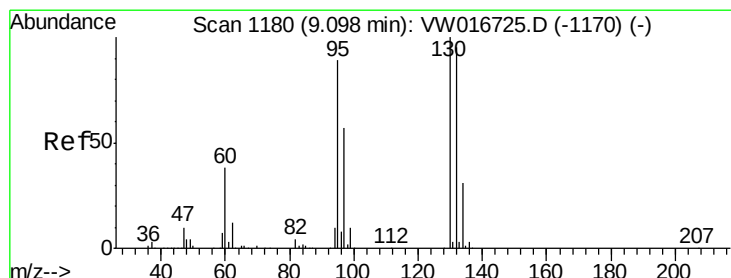
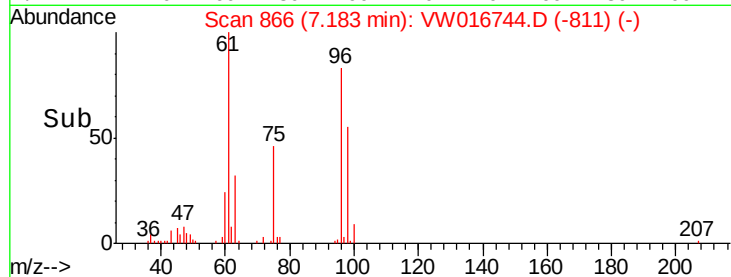
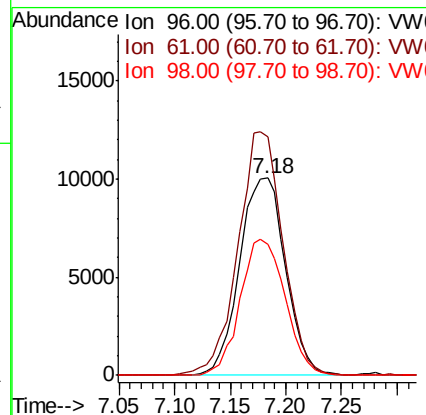
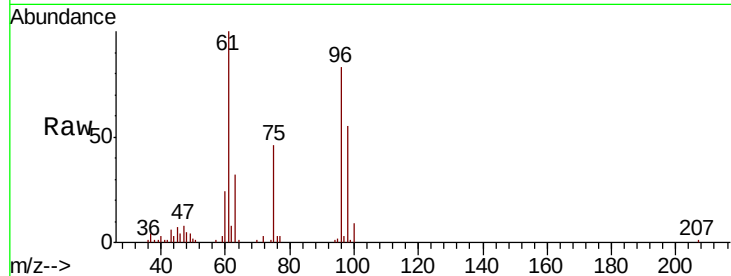


#22

cis-1,2-Dichloroethene
Concen: 3.450 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW016744.D
Acq: 01 Oct 2020 17:39

Instrument :
MSVOA_W
ClientSampleId :

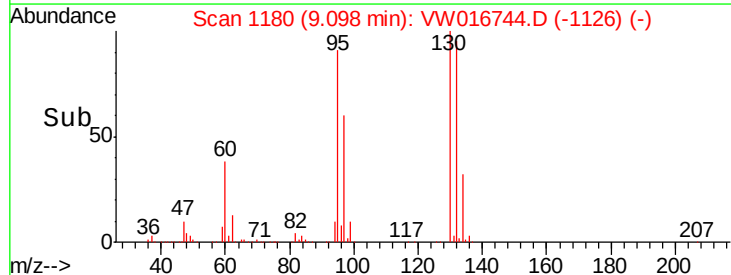
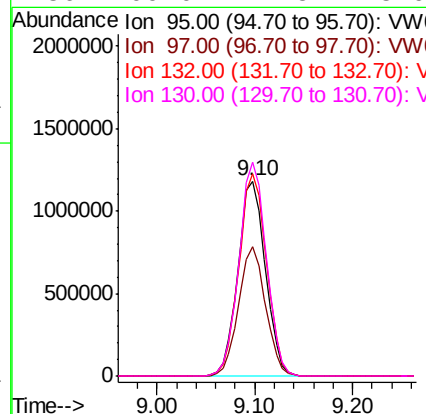
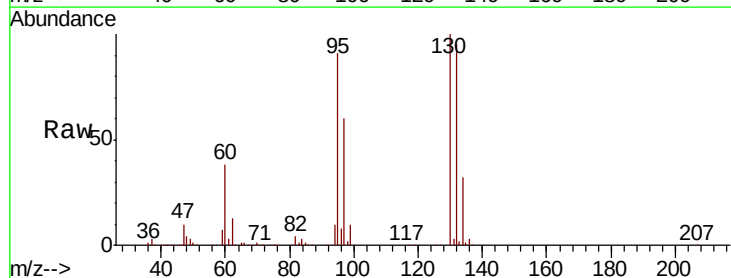
Tot Ion: 96 Resp: 28857
Ion Ratio Lower Upper
96 100
61 120.6 78.4 145.6
98 66.4 44.8 83.2

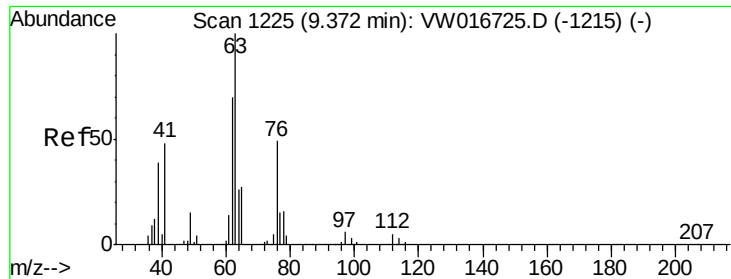


#35

Trichloroethene
Concen: 311.907 ug/L
RT: 9.10 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VW016744.D
Acq: 01 Oct 2020 17:39

Tgt Ion: 95 Resp: 2309162
Ion Ratio Lower Upper
95 100
97 65.1 45.2 84.0
132 104.3 73.3 136.1
130 109.0 77.5 143.9

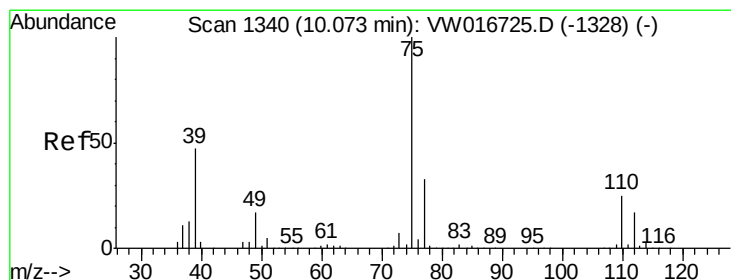
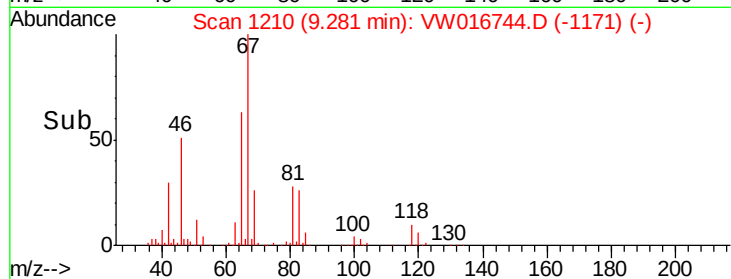
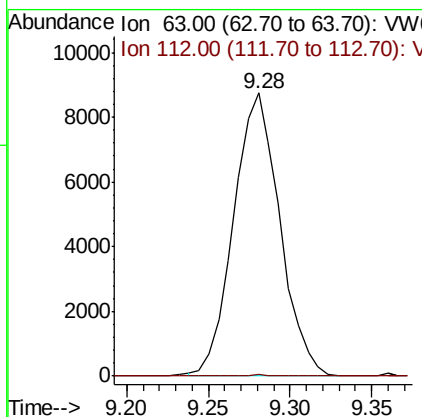
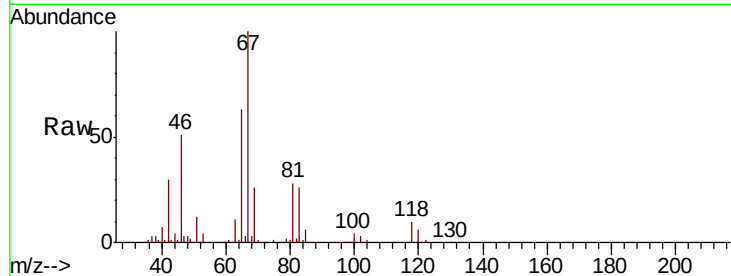




#40
 1,2-Dichloropropane
 Concen: 2.886 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.09 min
 Lab File: VW016744.D
 Acq: 01 Oct 2020 17:39

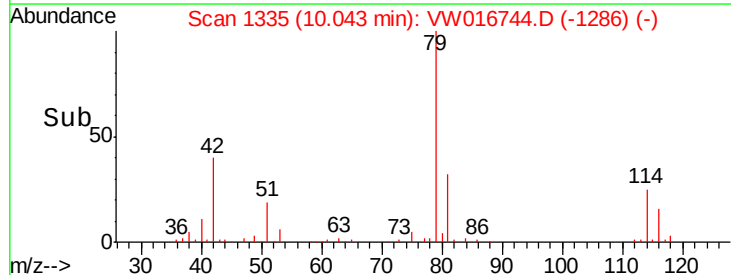
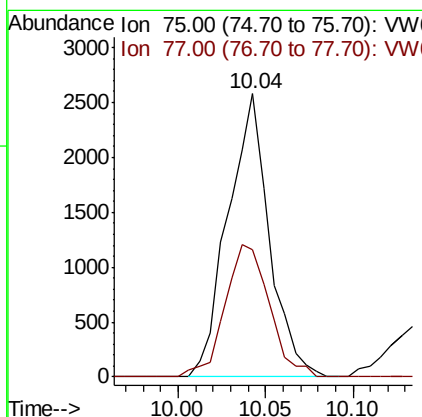
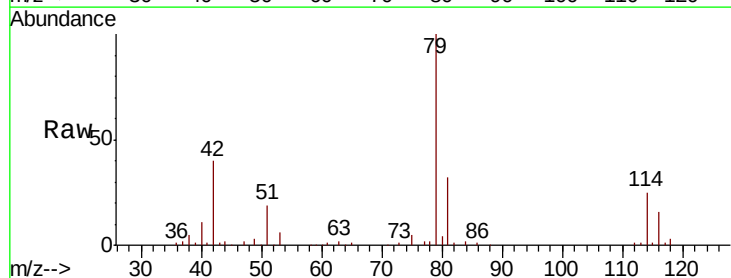
Instrument :
 MSVOA_W
 ClientSampled :

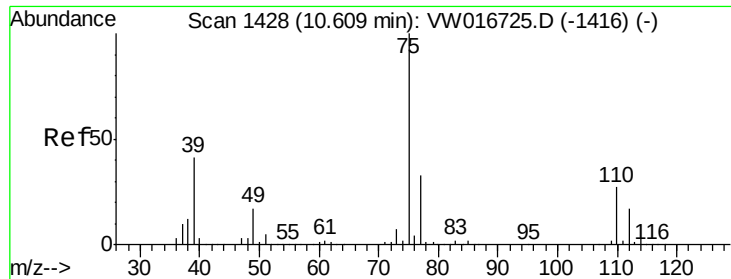
Tot Ion: 63 Resp: 17174
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.5 6.7#



#42
 cis-1,3-Dichloropropene
 Concen: 0.417 ug/L
 RT: 10.04 min Scan# 1335
 Delta R.T. -0.03 min
 Lab File: VW016744.D
 Acq: 01 Oct 2020 17:39

Tgt Ion: 75 Resp: 4234
 Ion Ratio Lower Upper
 75 100
 77 45.0 22.2 41.2#

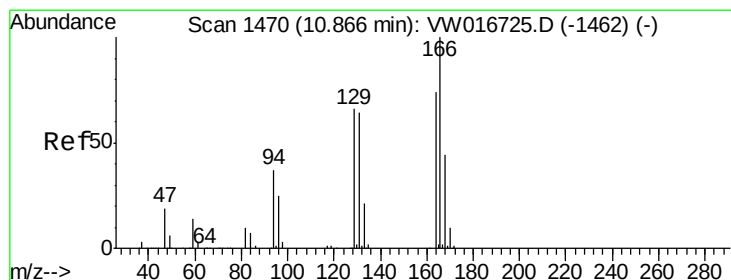
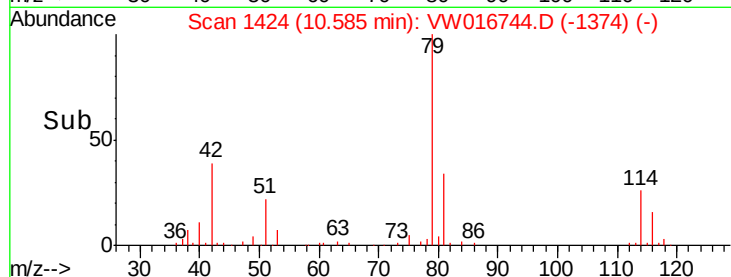
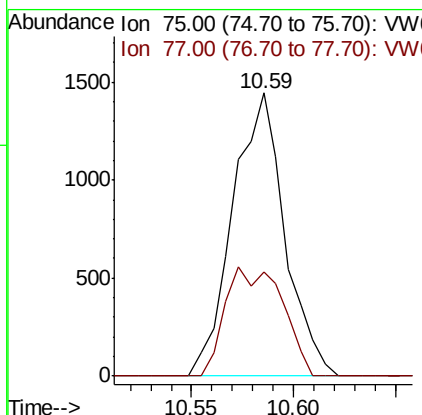
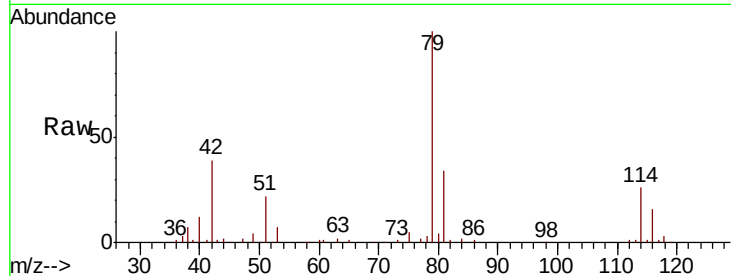




#45
trans-1,3-Dichloropropene
Concen: 0.290 ug/L
RT: 10.59 min Scan# 1424
Delta R.T. -0.02 min
Lab File: VW016744.D
Acq: 01 Oct 2020 17:39

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 2561
Ion Ratio Lower Upper
75 100
77 37.0 22.5 41.9



#47
Tetrachloroethene
Concen: 1233.159 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016744.D
Acq: 01 Oct 2020 17:39

Tgt Ion:164 Resp: 8243737
Ion Ratio Lower Upper
164 100
129 88.2 55.6 103.2
131 86.1 57.2 106.2
166 123.2 86.5 160.6

