

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120718\
 Data File : VW007322.D
 Acq On : 07 Dec 2018 22:16
 Operator : SY/AP
 Sample : J6236-10
 Misc : 5.83G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F9E20

Quant Time: Dec 08 02:07:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 08 02:02:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	109243	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	90121	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	35083	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	21066	29.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.44%
7) Chloroethane-d5	2.90	69	15657	25.98	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.92%
10) 1,1-Dichloroethene-d2	4.01	63	49057	19.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.96%
20) 2-Butanone-d5	7.08	46	18042	40.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.46%
24) Chloroform-d	7.65	84	65337	25.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.44%
26) 1,2-Dichloroethane-d4	8.31	65	41282	28.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.60%
29) Benzene-d6	8.27	84	130770	26.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.88%
33) 1,2-Dichloropropane-d6	9.27	67	39227	28.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.32%
37) Toluene-d8	10.32	98	119740	26.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.36%
38) trans-1,3-Dichloropropene-	10.58	79	16715	23.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.64%
39) 2-Hexanone-d5	10.93	63	13698	40.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	30836	24.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	32803	26.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.32%

Target Compounds

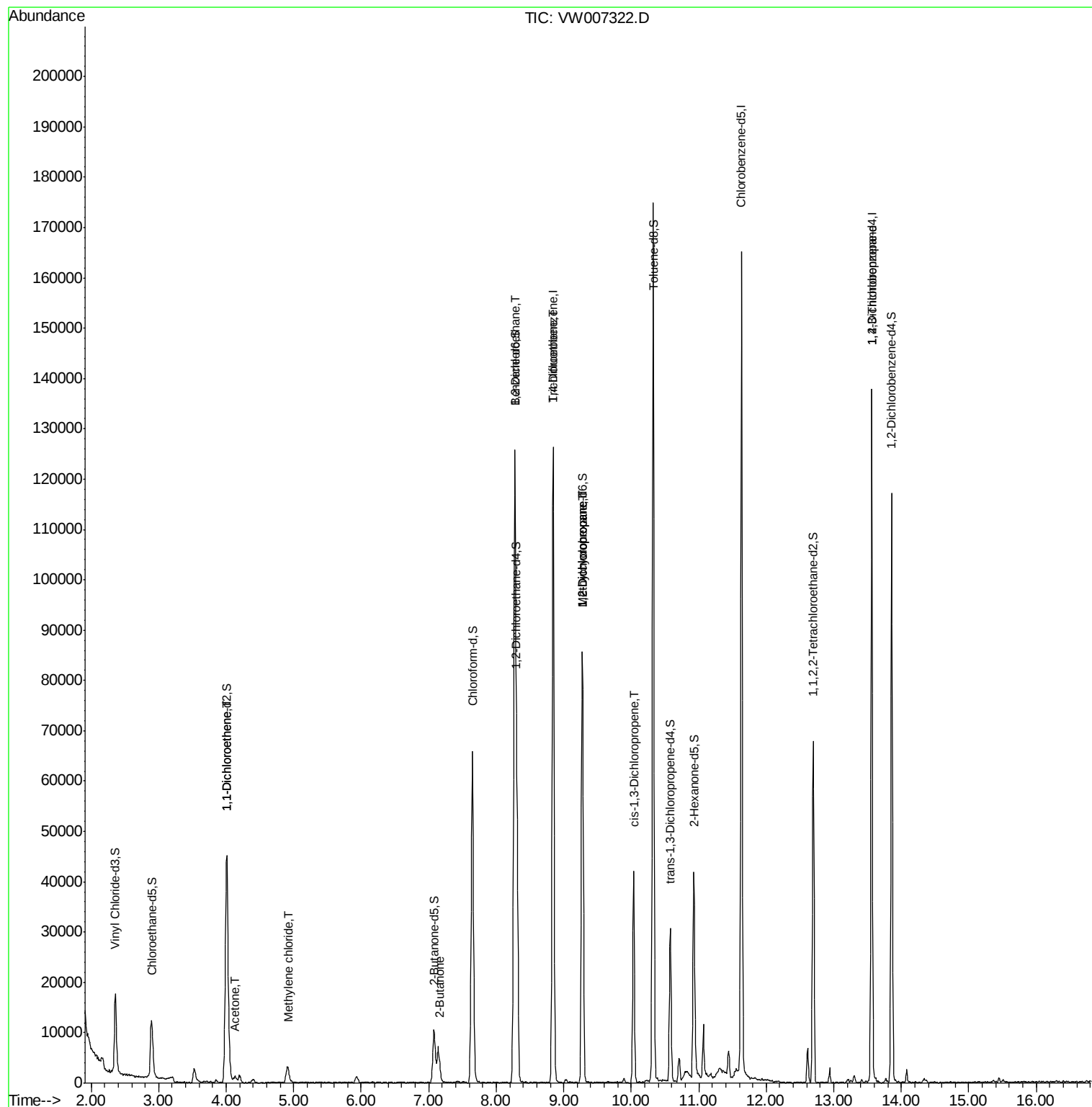
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.01	96	409	0.319	ug/L #	1
13) Acetone	4.12	43	1248	2.393	ug/L	88
16) Methylene chloride	4.92	84	2678	1.517	ug/L	91
21) 2-Butanone	7.17	43	476	0.849	ug/L #	45
27) 1,2-Dichloroethane	8.28	62	882	0.486	ug/L #	76
35) Trichloroethene	8.84	95	3506	2.367	ug/L #	4
36) Methylcyclohexane	9.27	83	9969	3.899	ug/L #	19
40) 1,2-Dichloropropane	9.27	63	4459	3.529	ug/L #	86
42) cis-1,3-Dichloropropene	10.03	75	1058	0.499	ug/L #	65
59) 1,2,3-Trichloropropane	13.56	75	4144	4.059	ug/L	99

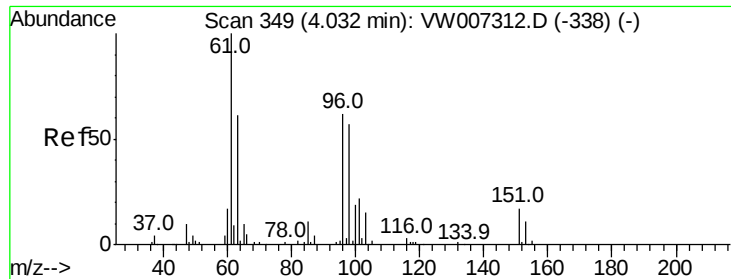
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Dec 08 02:02:23 2018
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.319 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.02 min

Lab File: VW007322.D

Acq: 07 Dec 2018 22:16

Instrument :

MSVOA_W

ClientSampled :

F9E20

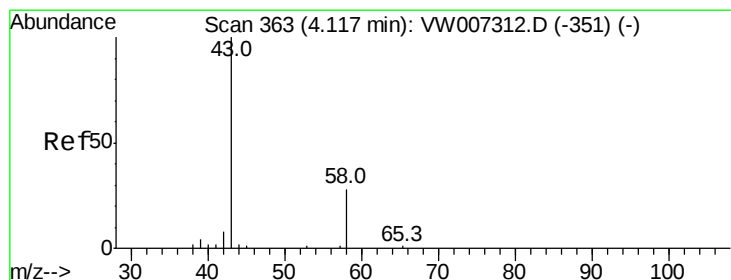
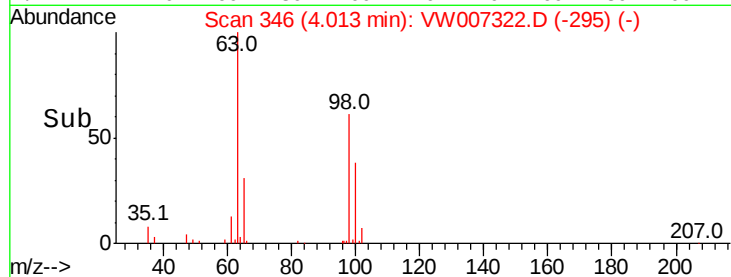
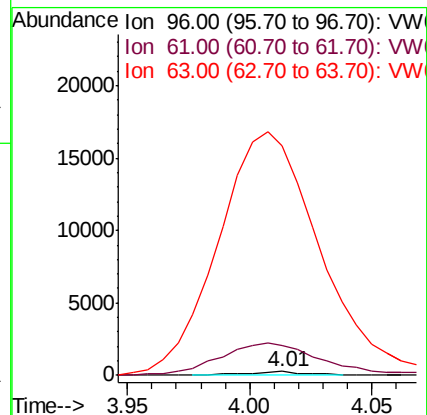
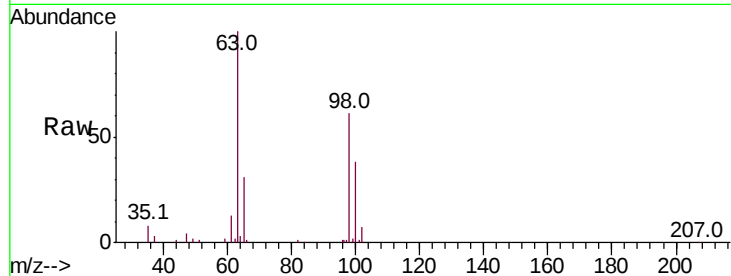
Tot Ion: 96 Resp: 409

Ion Ratio Lower Upper

96 100

61 806.7 117.2 217.8#

63 6252.6 89.7 166.7#



#13

Acetone

Concen: 2.393 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007322.D

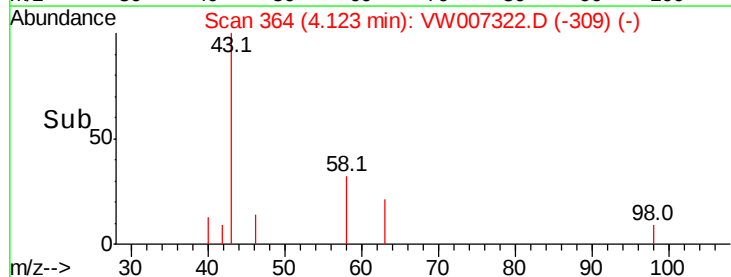
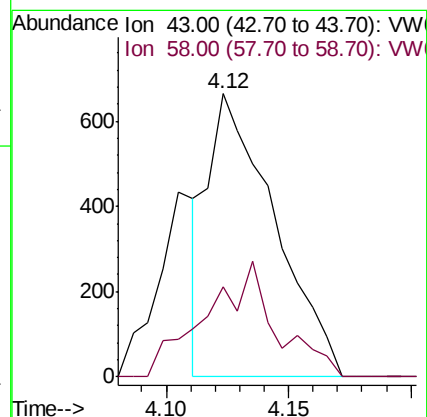
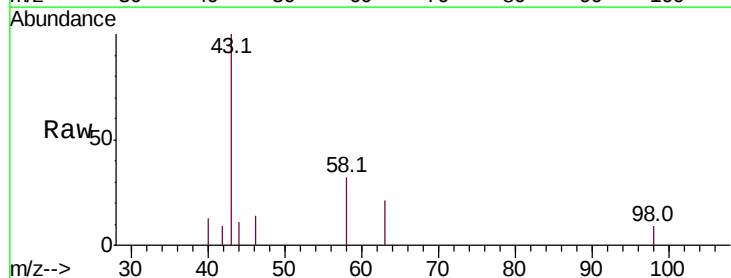
Acq: 07 Dec 2018 22:16

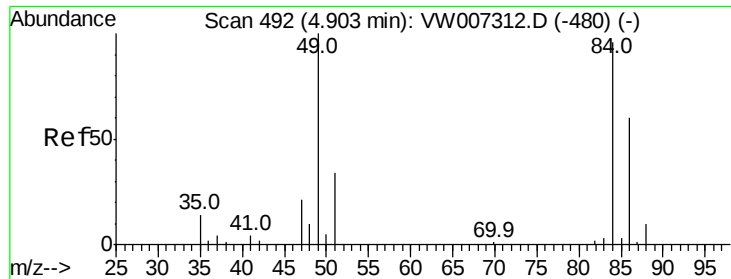
Tgt Ion: 43 Resp: 1248

Ion Ratio Lower Upper

43 100

58 23.2 0.0 59.2

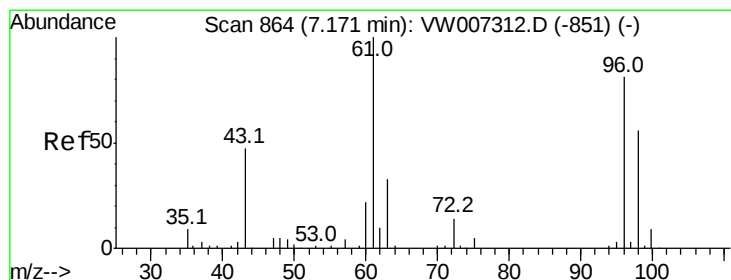
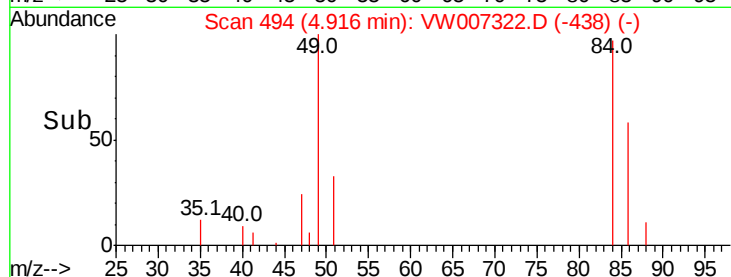
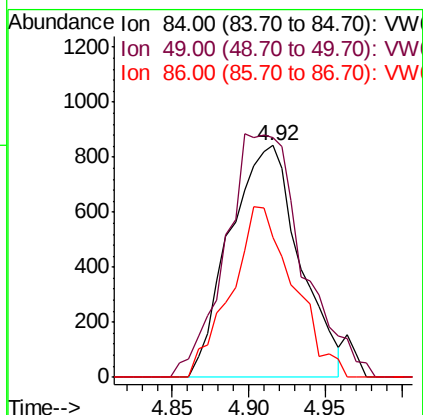
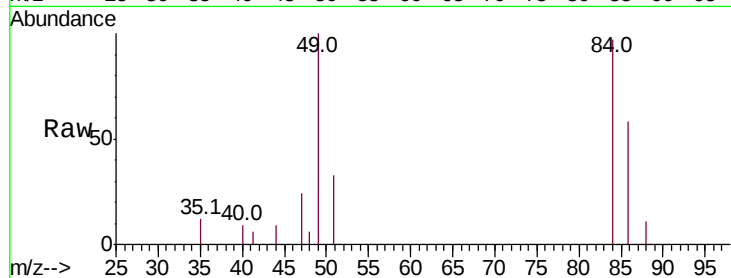




#16
Methvlene chloride
Concen: 1.517 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW007322.D
Acq: 07 Dec 2018 22:16

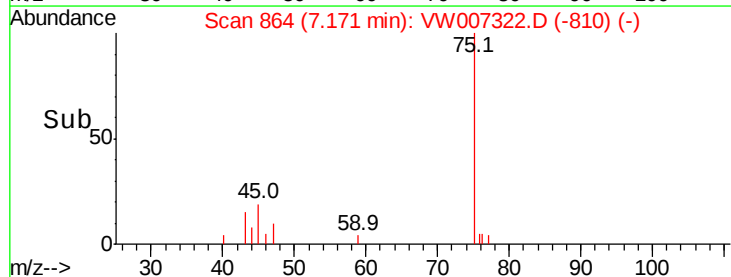
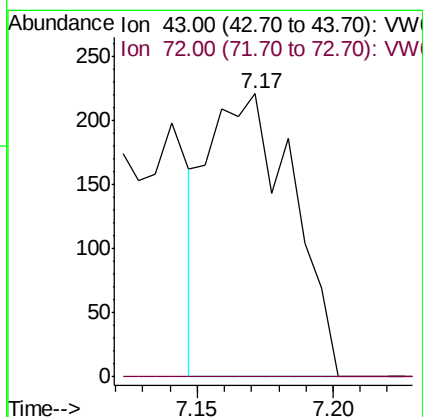
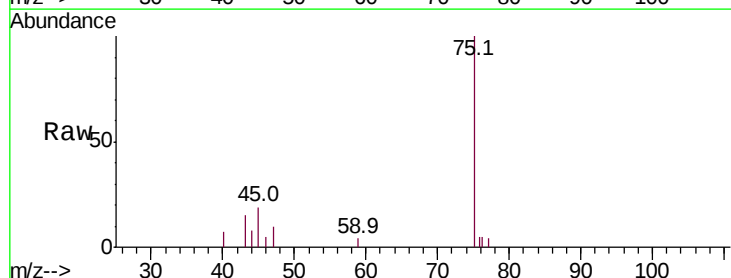
Instrument :
MSVOA_W
ClientSampleId :
F9E20

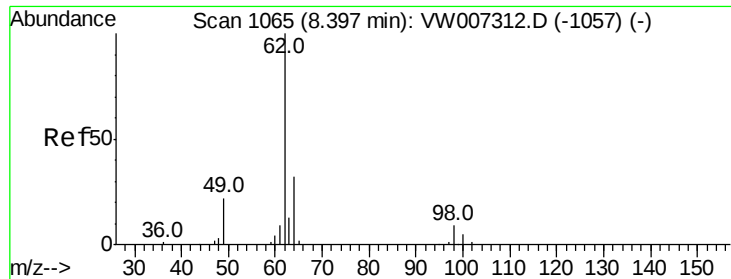
Tot Ion: 84 Resp: 2678
Ion Ratio Lower Upper
84 100
49 103.4 80.8 150.2
86 60.3 45.8 85.2



#21
2-Butanone
Concen: 0.849 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW007322.D
Acq: 07 Dec 2018 22:16

Tgt Ion: 43 Resp: 476
Ion Ratio Lower Upper
43 100
72 0.0 14.7 44.1#





#27

1,2-Dichloroethane

Concen: 0.486 ug/L

RT: 8.28 min Scan# 1046

Delta R.T. -0.12 min

Lab File: VW007322.D

Acq: 07 Dec 2018 22:16

Instrument :

MSVOA_W

ClientSampleId :

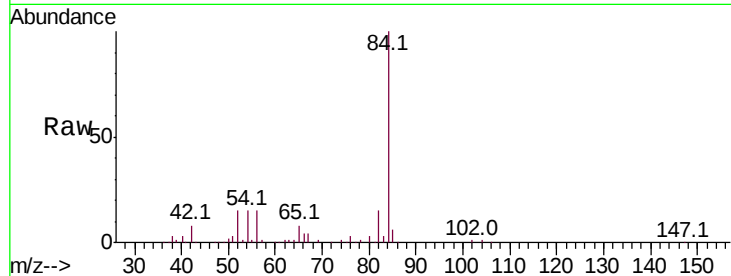
F9E20

Tot Ion: 62 Resp: 882

Ion Ratio Lower Upper

62 100

98 0.0 6.9 10.3#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.28

400

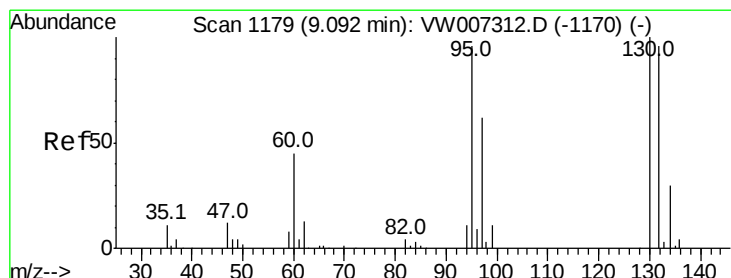
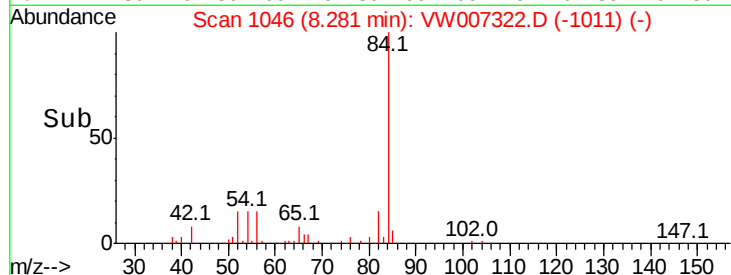
300

200

100

0

Time--> 8.20 8.25 8.30



#35

Trichloroethene

Concen: 2.367 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW007322.D

Acq: 07 Dec 2018 22:16

Tgt Ion: 95 Resp: 3506

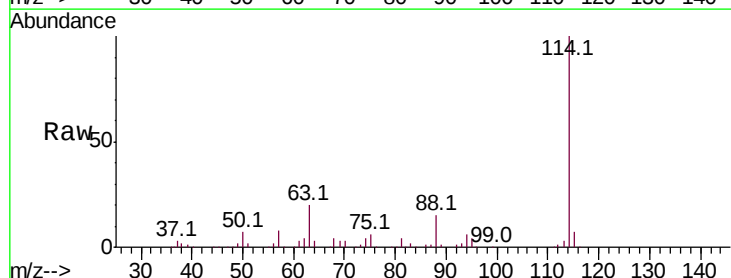
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.0#

132 0.0 68.0 126.4#

130 0.0 71.6 133.0#



Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

3000

2500

2000

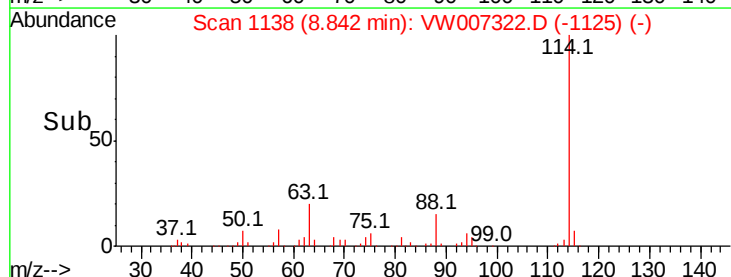
1500

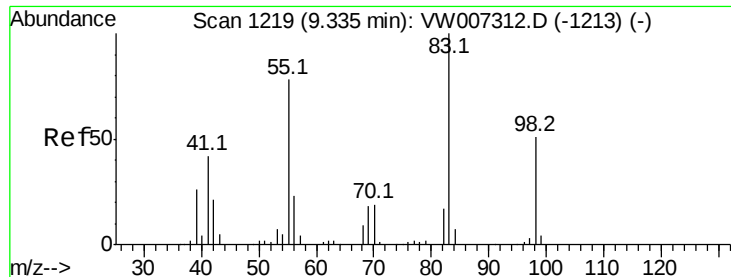
1000

500

0

Time--> 8.80 8.85 8.90

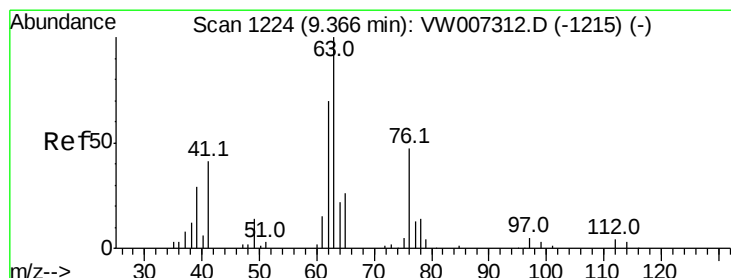
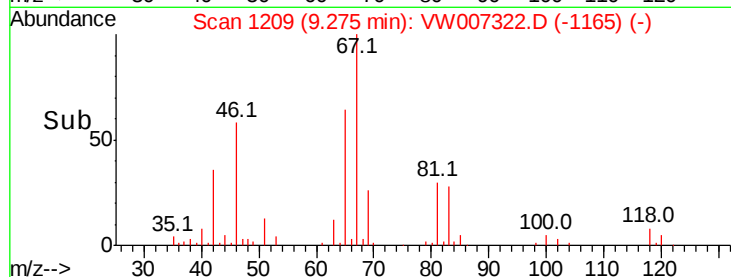
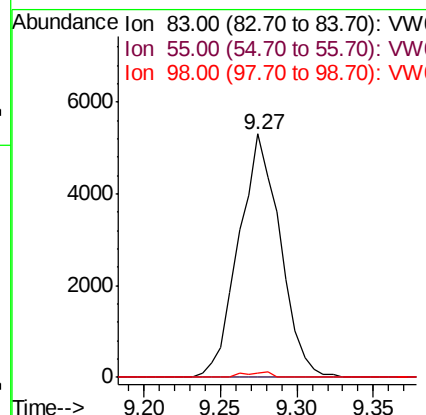
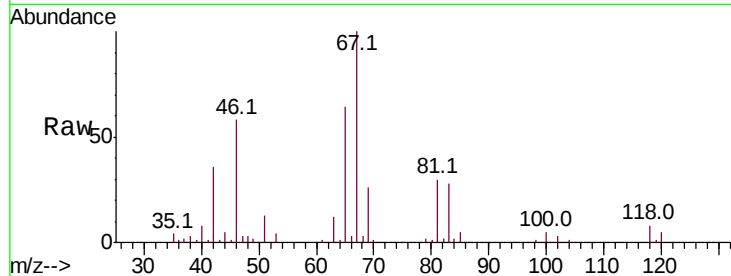




#36
Methvlcvclohexane
Concen: 3.899 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW007322.D
Acq: 07 Dec 2018 22:16

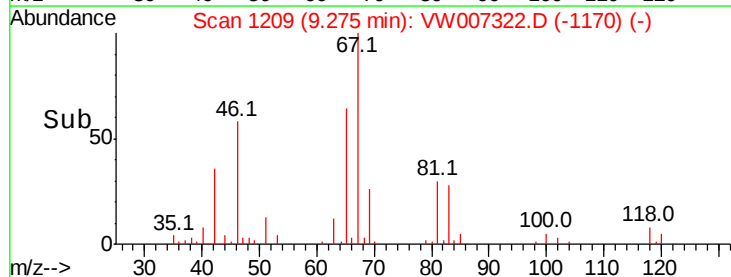
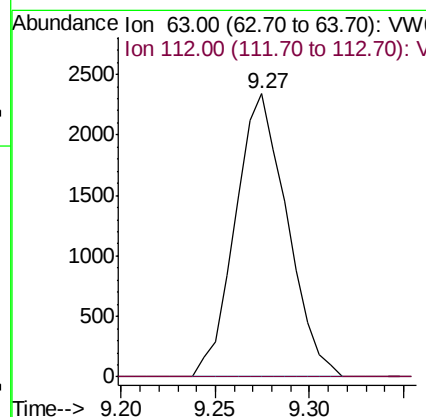
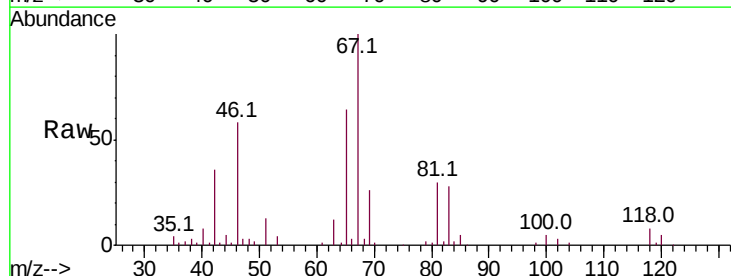
Instrument :
MSVOA_W
ClientSampled :
F9E20

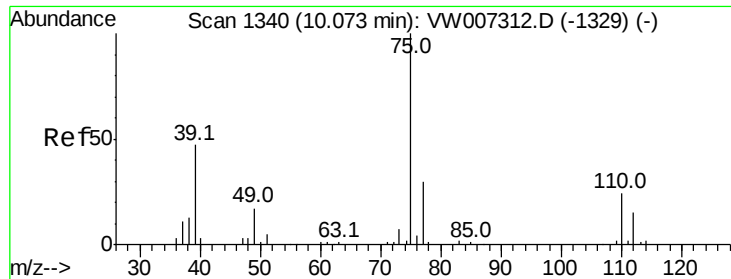
Tot Ion: 83 Resp: 9969
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.2#
98 0.8 38.1 57.1#



#40
1,2-Dichloropropane
Concen: 3.529 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.09 min
Lab File: VW007322.D
Acq: 07 Dec 2018 22:16

Tgt Ion: 63 Resp: 4459
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#42

cis-1,3-Dichloropropene

Concen: 0.499 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW007322.D

Acq: 07 Dec 2018 22:16

Instrument :

MSVOA_W

ClientSampleId :

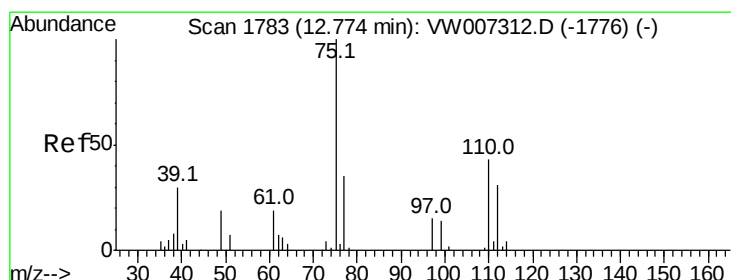
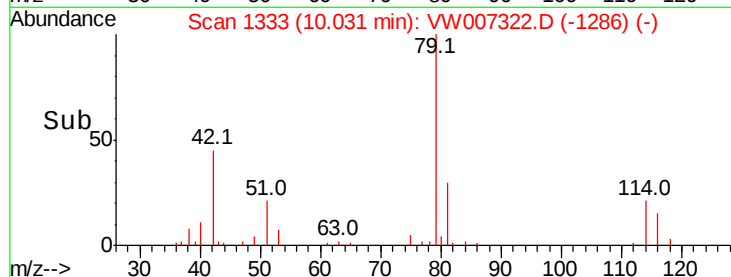
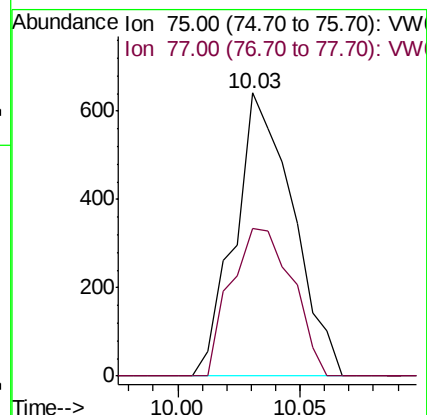
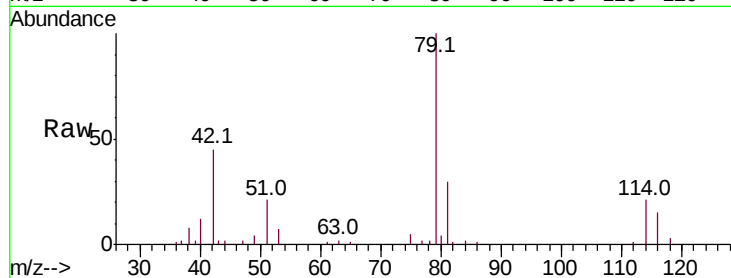
F9E20

Tot Ion: 75 Resp: 1058

Ion Ratio Lower Upper

75 100

77 52.3 23.0 42.6#



#59

1,2,3-Trichloropropane

Concen: 4.059 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW007322.D

Acq: 07 Dec 2018 22:16

Tgt Ion: 75 Resp: 4144

Ion Ratio Lower Upper

75 100

77 33.9 26.5 39.7

