

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101620\
 Data File : VW016919.D
 Acq On : 15 Oct 2020 18:06
 Operator : SY/VA
 Sample : L4426-01
 Misc : 5.87G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3Y3

Manual Integrations
 APPROVED

MMDadoda
 10/19/2020 11:00:27 AM

Quant Time: Oct 16 09:25:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 16 08:07:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	523112	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	397096	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	152803	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	116169	22.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.04%
7) Chloroethane-d5	2.89	69	101912	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.16%
10) 1,1-Dichloroethene-d2	4.02	63	177596	16.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.84%
20) 2-Butanone-d5	7.08	46	48234	41.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.54%
24) Chloroform-d	7.65	84	267455	24.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.92%
26) 1,2-Dichloroethane-d4	8.31	65	128969	24.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.76%
29) Benzene-d6	8.27	84	534082	29.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.44%
33) 1,2-Dichloropropane-d6	9.27	67	150767	31.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	124.44%#
37) Toluene-d8	10.33	98	488126	28.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.72%
38) trans-1,3-Dichloropropene-	10.58	79	52776	24.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.76%
39) 2-Hexanone-d5	10.93	63	36325	48.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	96664	24.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	126871	26.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.37	62	6655	0.930	ug/L #	58
13) Acetone	4.14	43	4776	5.399	ug/L	94
14) Carbon disulfide	4.40	76	15547	0.802	ug/L	98
16) Methylene chloride	4.93	84	21218	2.939	ug/L	94
22) cis-1,2-Dichloroethene	7.18	96	3036m	0.421	ug/L	
35) Trichloroethene	9.09	95	215364	35.704	ug/L	99
47) Tetrachloroethene	10.87	164	24071399m	4304.444	ug/L	
54) m,p-Xylene	11.83	106	3104	0.301	ug/L	90
64) 1,4-Dichlorobenzene	13.58	146	5762	0.592	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	8141	0.935	ug/L #	88

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

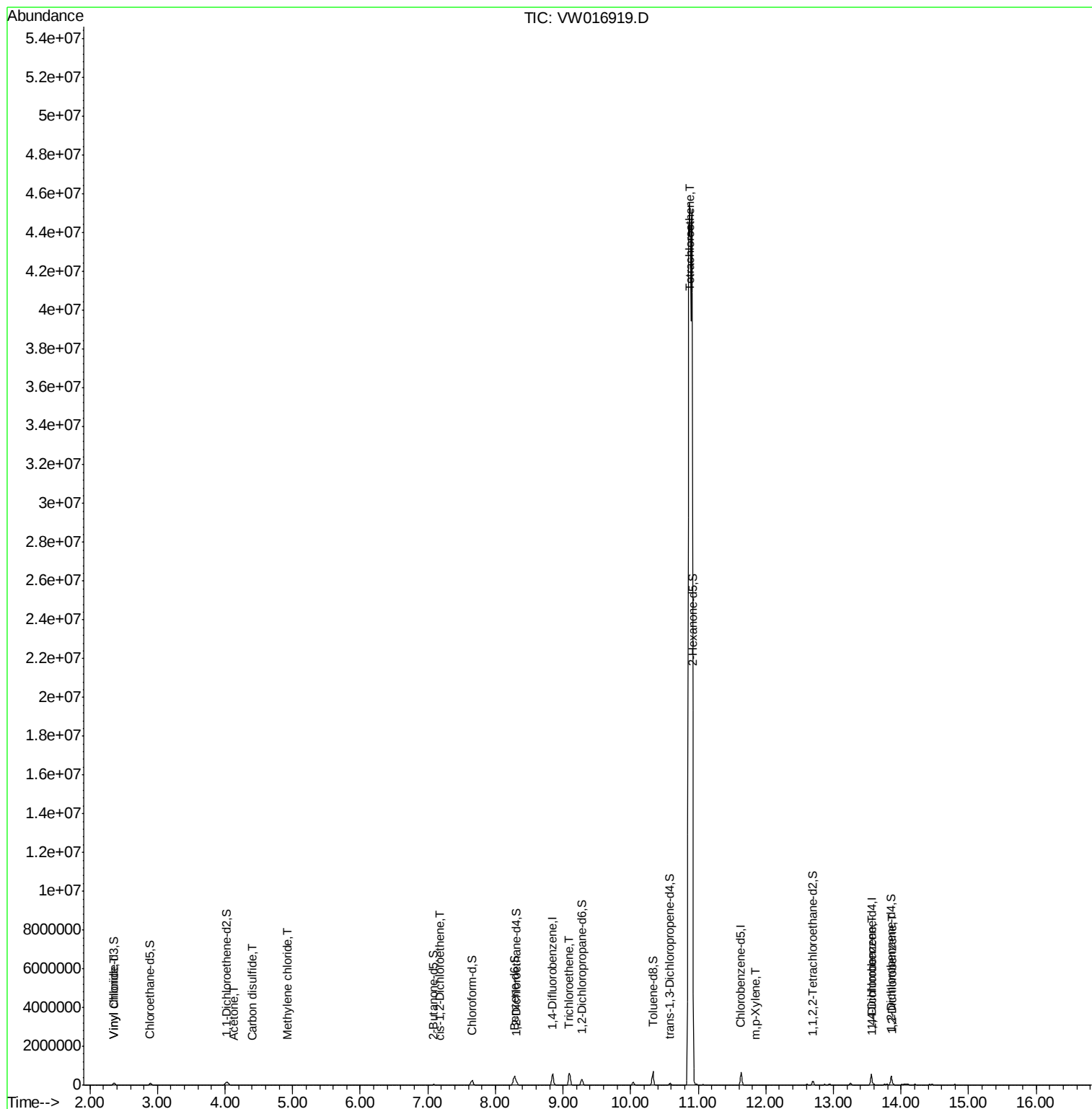
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW101620\
Data File : VW016919.D
Acq On : 15 Oct 2020 18:06
Operator : SY/VA
Sample : L4426-01
Misc : 5.87G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

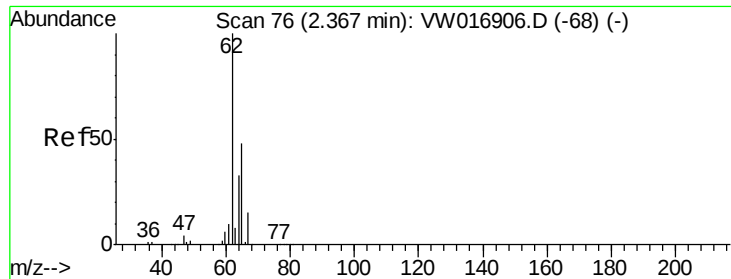
Instrument :
MSVOA_W
ClientSampleId :
BG3Y3

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:00:27 AM

Quant Time: Oct 16 09:25:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 16 08:07:29 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.930 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016919.D

Acq: 15 Oct 2020 18:06

Instrument :

MSVOA_W

ClientSampled :

BG3Y3

Tot Ion: 62 Resp: 6655

Ion Ratio Lower Upper

62 100

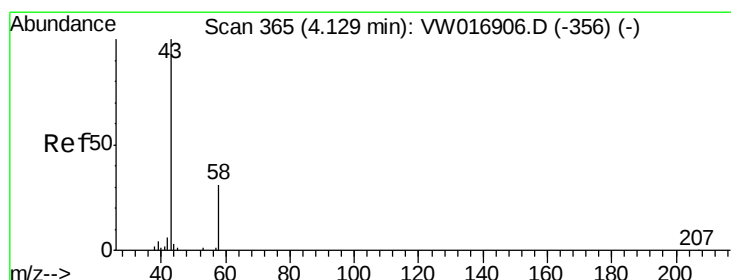
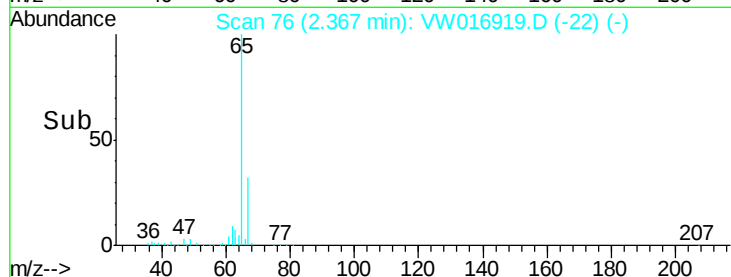
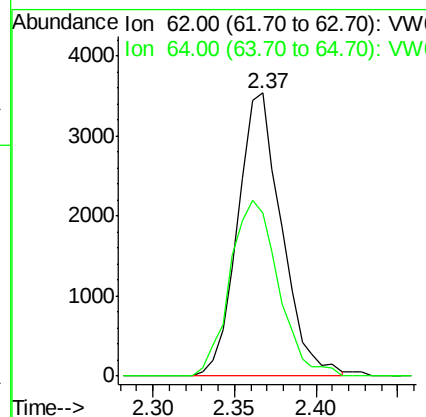
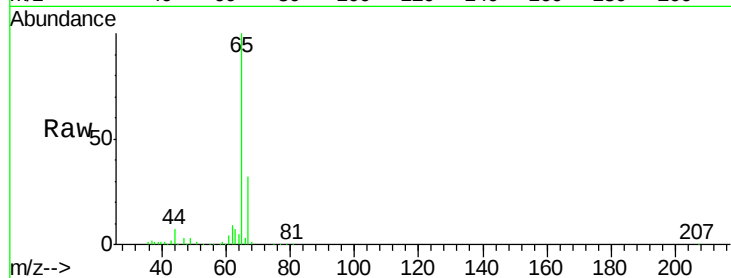
64 57.7 23.5 43.7#

Manual Integrations

APPROVED

MMDadoda

10/19/2020 11:00:27 AM



#13

Acetone

Concen: 5.399 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016919.D

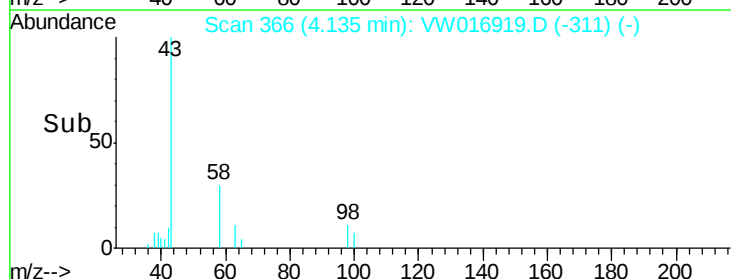
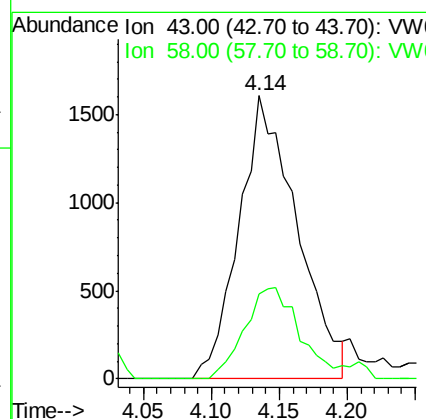
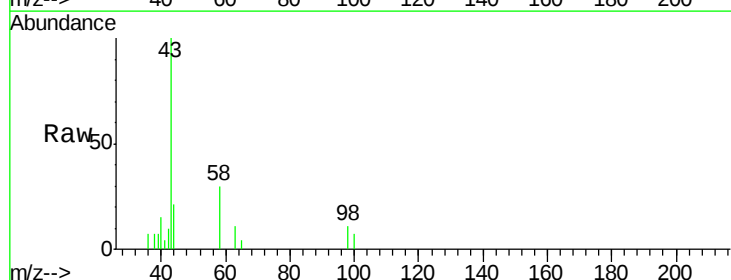
Acq: 15 Oct 2020 18:06

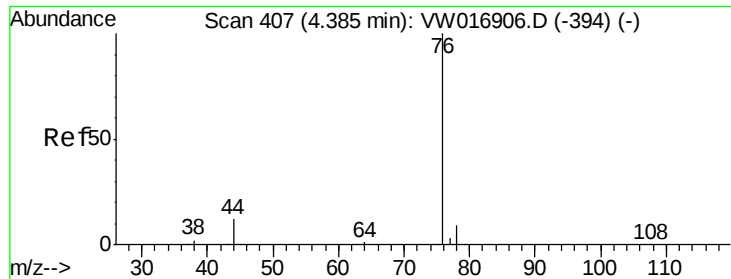
Tgt Ion: 43 Resp: 4776

Ion Ratio Lower Upper

43 100

58 30.3 0.0 67.6





#14

Carbon disulfide

Concen: 0.802 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW016919.D

Acq: 15 Oct 2020 18:06

Instrument :

MSVOA_W

ClientSampleId :

BG3Y3

Tot Ion: 76 Resp: 15547

Ion Ratio Lower Upper

76 100

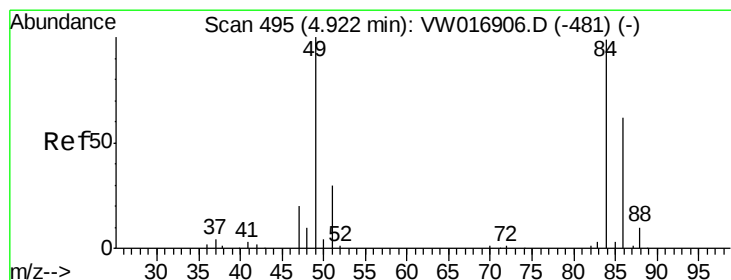
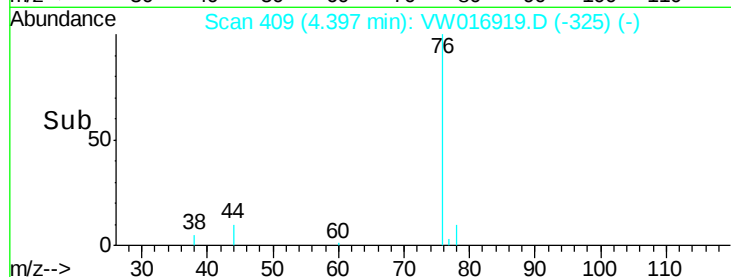
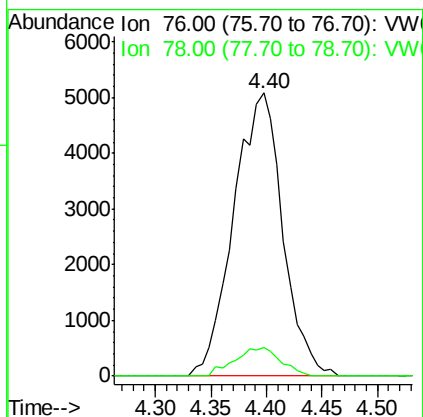
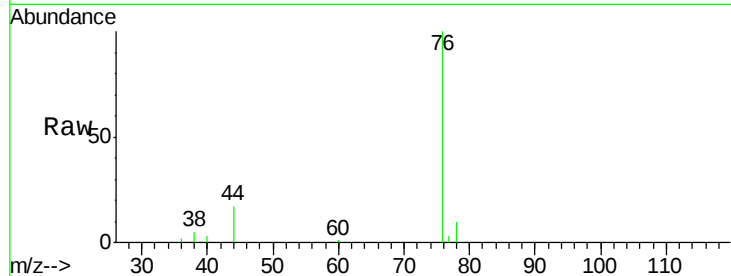
78 10.0 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

10/19/2020 11:00:27 AM



#16

Methylene chloride

Concen: 2.939 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016919.D

Acq: 15 Oct 2020 18:06

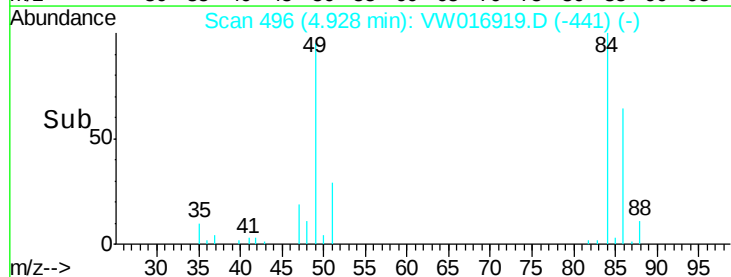
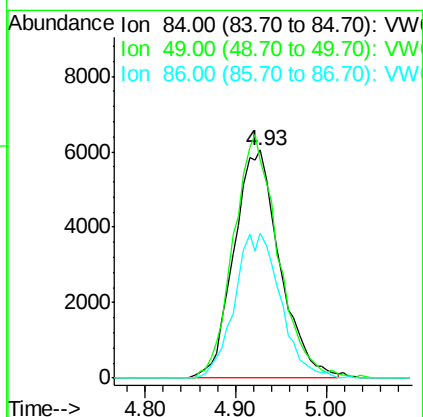
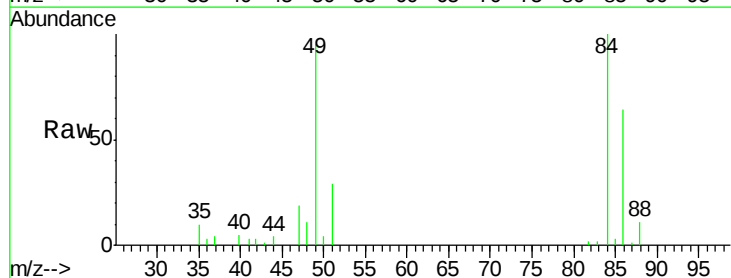
Tgt Ion: 84 Resp: 21218

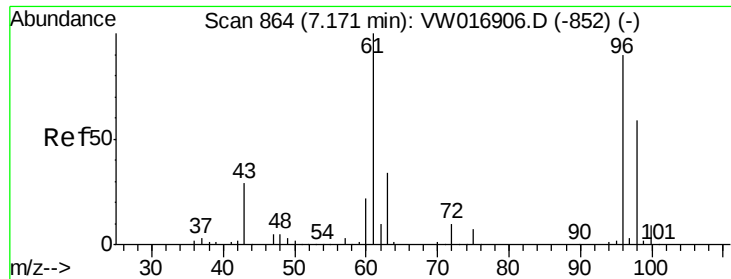
Ion Ratio Lower Upper

84 100

49 95.5 73.1 135.8

86 63.7 46.0 85.4





#22

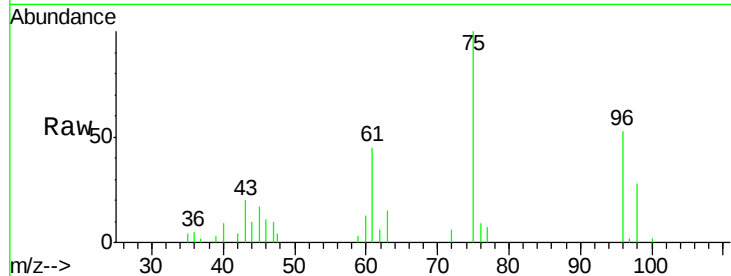
cis-1,2-Dichloroethene
Concen: 0.421 ug/L m
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW016919.D
Acq: 15 Oct 2020 18:06

Instrument :
MSVOA_W
ClientSampled :
BG3Y3

Tot Ion	Ratio	Lower	Upper
96	100		
61	84.0	76.0	141.2
98	51.9	42.7	79.3

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:00:27 AM

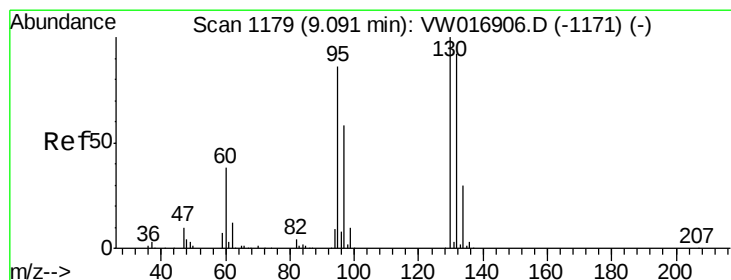
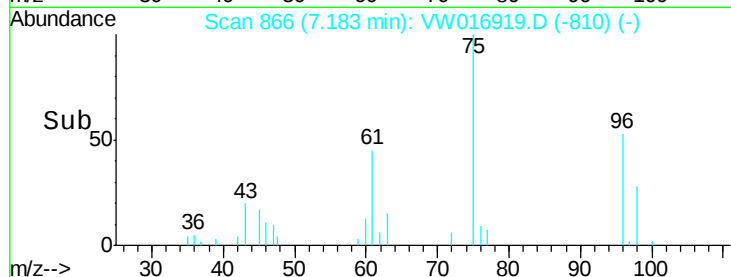
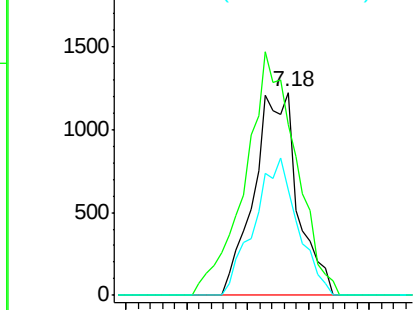


Abundance

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



#35

Trichloroethene
Concen: 35.704 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW016919.D
Acq: 15 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.7	83.1
132	103.6	73.8	137.2
130	110.2	77.1	143.3

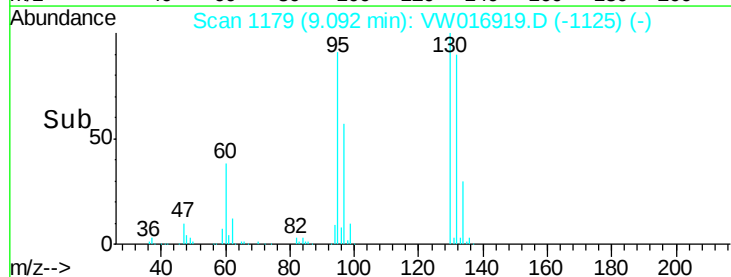
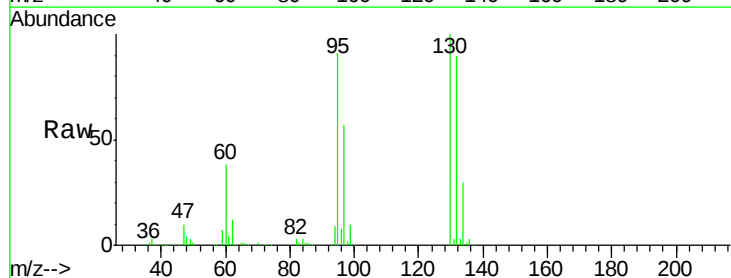
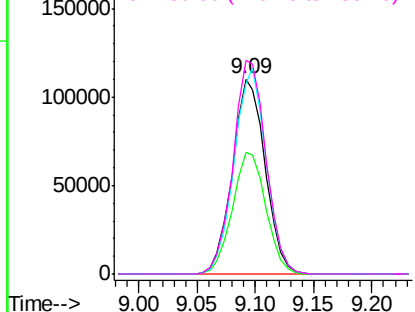
Abundance

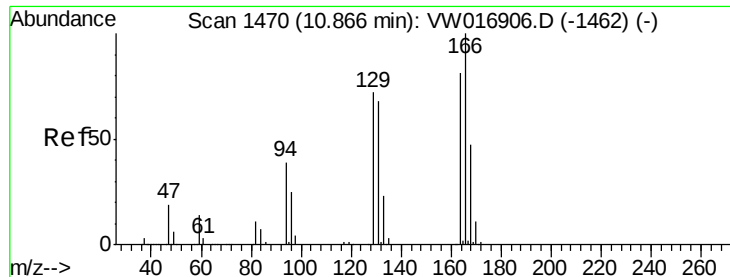
Ion 95.00 (94.70 to 95.70): VW

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





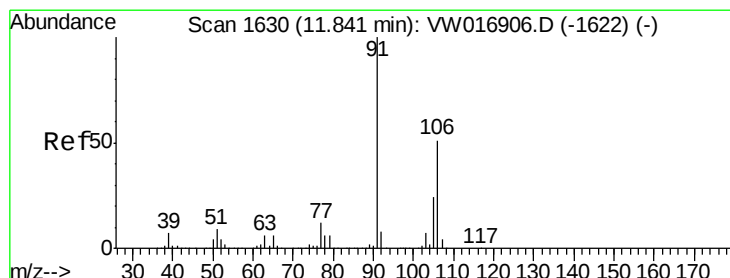
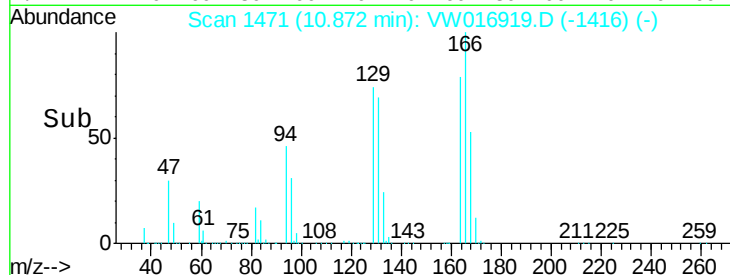
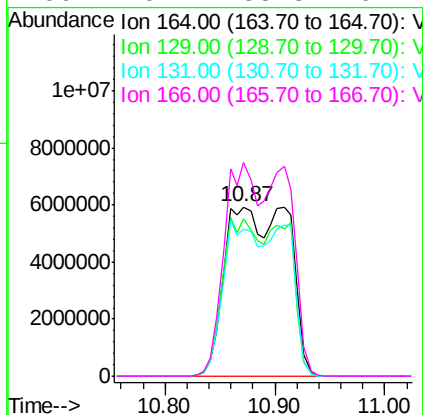
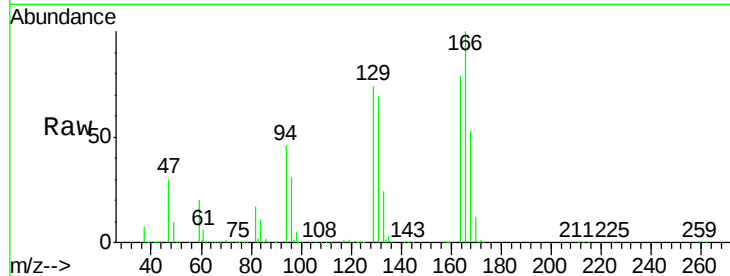
#47
Tetrachloroethene
Concen: 4304.444 ug/L m
RT: 10.87 min Scan# 1471
Delta R.T. 0.01 min
Lab File: VW016919.D
Acq: 15 Oct 2020 18:06

Instrument :
MSVOA_W
ClientSampleId :
BG3Y3

Tot Ion:164 Resp:24071399
Ion Ratio Lower Upper
164 100
129 93.1 61.7 114.7
131 87.1 59.7 110.9
166 126.4 88.3 164.1

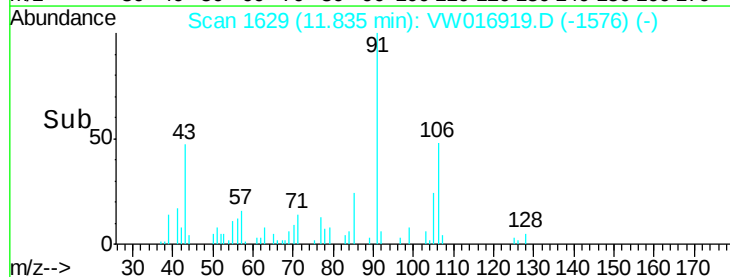
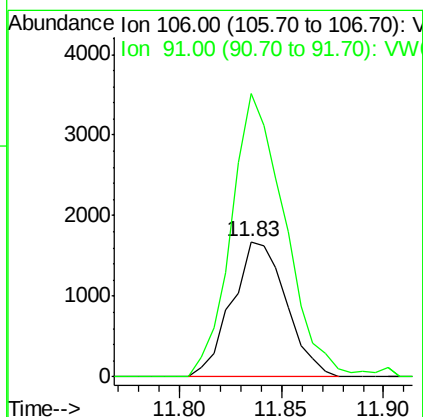
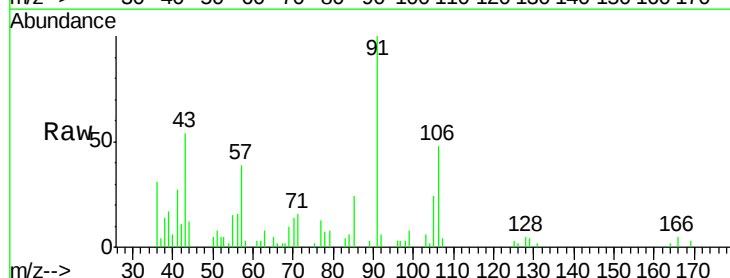
Manual Integrations
APPROVED

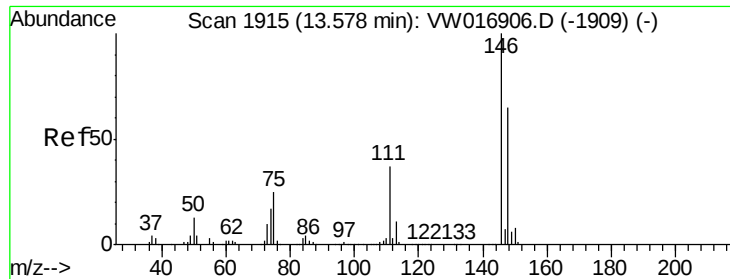
MMDadoda
10/19/2020 11:00:27 AM



#54
m,p-Xylene
Concen: 0.301 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW016919.D
Acq: 15 Oct 2020 18:06

Tgt Ion:106 Resp: 3104
Ion Ratio Lower Upper
106 100
91 209.0 135.6 251.8





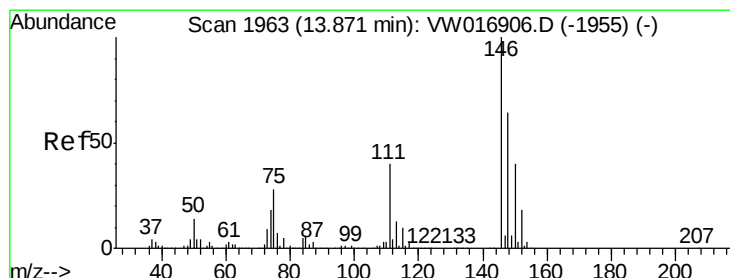
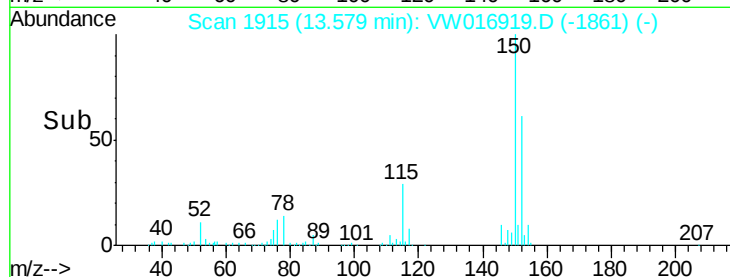
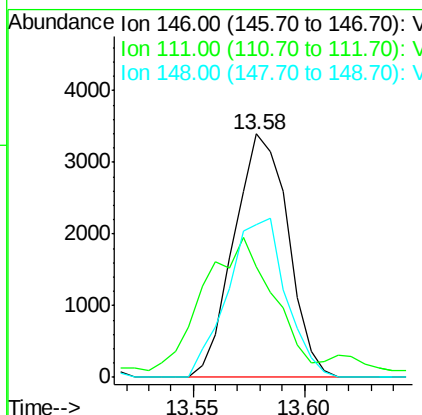
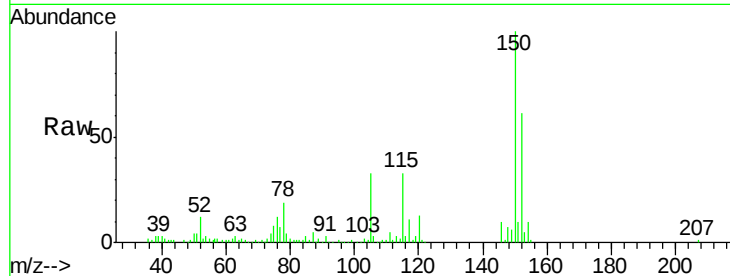
#64
1,4-Dichlorobenzene
Concen: 0.592 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW016919.D
Acq: 15 Oct 2020 18:06

Instrument :
MSVOA_W
ClientSampled :
BG3Y3

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	26.0	48.4
148	62.9	43.9	81.5

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:00:27 AM



#65
1,2-Dichlorobenzene
Concen: 0.935 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW016919.D
Acq: 15 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.5	32.1	48.1#
148	60.5	51.8	77.6

