

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101720\
 Data File : VW016931.D
 Acq On : 16 Oct 2020 16:27
 Operator : SY/VA
 Sample : L4426-13
 Misc : 5.46G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 17 00:45:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 17 00:37:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	32696	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	27098	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	6874	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	8275	25.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.64%
7) Chloroethane-d5	2.89	69	7511	27.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.04%
10) 1,1-Dichloroethene-d2	4.03	63	12153	17.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.96%
20) 2-Butanone-d5	7.17	46	128	1.75	ug/L	0.09
Spiked Amount	50.000	Range	20 - 135	Recovery	=	3.50%#
24) Chloroform-d	7.65	84	18069	26.19	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.76%
26) 1,2-Dichloroethane-d4	8.31	65	9176	27.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.16%
29) Benzene-d6	8.28	84	36109	29.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	117.36%
33) 1,2-Dichloropropane-d6	9.28	67	10194	30.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	123.28%#
37) Toluene-d8	10.33	98	31091	26.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.08%
38) trans-1,3-Dichloropropene-	10.59	79	3210	22.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.04%
39) 2-Hexanone-d5	10.93	63	2237	43.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	7139	26.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	7034	32.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	129.04%#

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	4.05	96	157	0.371 ug/L #	1
13) Acetone	4.13	43	340	6.150 ug/L #	41
16) Methylene chloride	4.92	84	442	0.980 ug/L	81
22) cis-1,2-Dichloroethene	7.17	96	224	0.497 ug/L #	53
27) 1,2-Dichloroethane	8.28	62	120	0.273 ug/L #	72
34) Benzene	8.32	78	642	0.441 ug/L	100
35) Trichloroethene	9.09	95	20176	49.016 ug/L	98
36) Methylcyclohexane	9.28	83	2503	3.617 ug/L #	20
40) 1,2-Dichloropropane	9.27	63	865	2.629 ug/L #	83
42) cis-1,3-Dichloropropene	10.04	75	152	0.290 ug/L #	78
46) 1,1,2-Trichloroethane	10.86	97	2835	10.598 ug/L #	1
47) Tetrachloroethene	10.87	164	366675	960.849 ug/L	98
49) 2-Hexanone	10.93	43	215	1.966 ug/L #	60
50) Dibromochloromethane	10.93	129	310	0.932 ug/L #	11
59) 1,2,3-Trichloropropane	13.55	75	467	2.181 ug/L #	53

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101720\
Data File : VW016931.D
Acq On : 16 Oct 2020 16:27
Operator : SY/VA
Sample : L4426-13
Misc : 5.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 17 00:45:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 17 00:37:07 2020
Response via : Initial Calibration

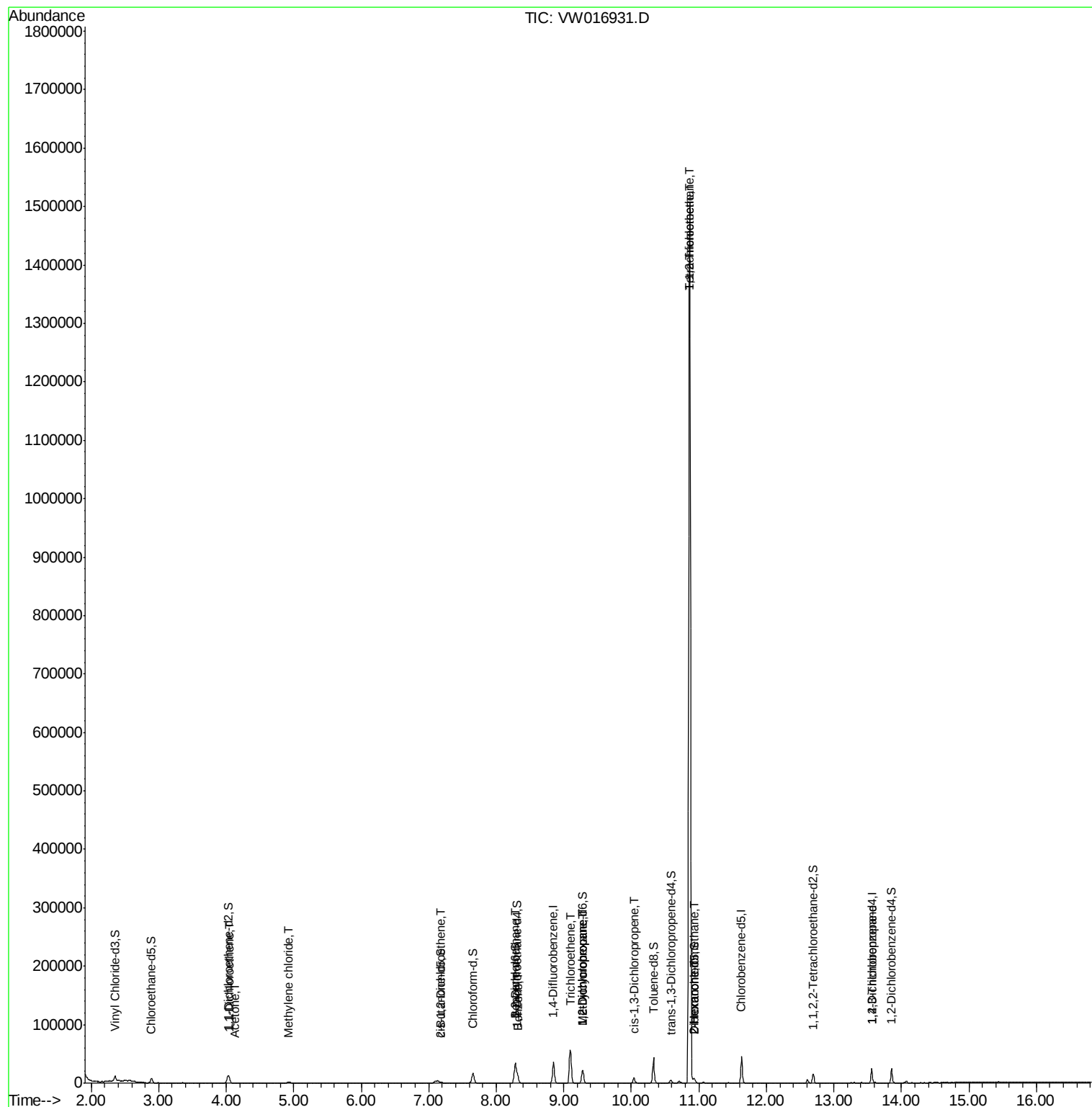
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

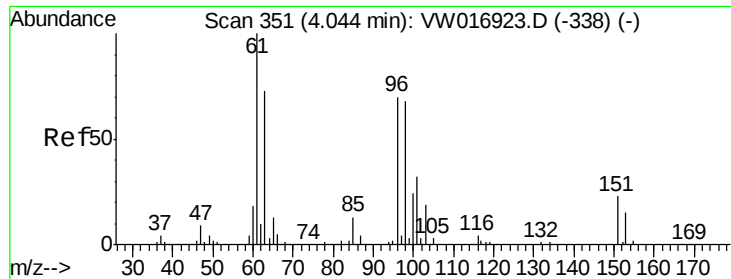
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101720\
Data File : VW016931.D
Acq On : 16 Oct 2020 16:27
Operator : SY/VA
Sample : L4426-13
Misc : 5.46G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 17 00:45:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 17 00:37:07 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.371 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW016931.D

Acq: 16 Oct 2020 16:27

Instrument :

MSVOA_W

ClientSampleId :

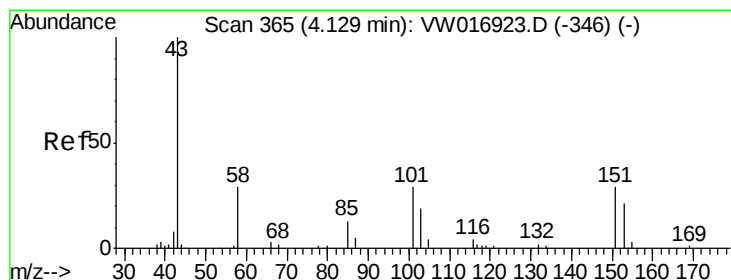
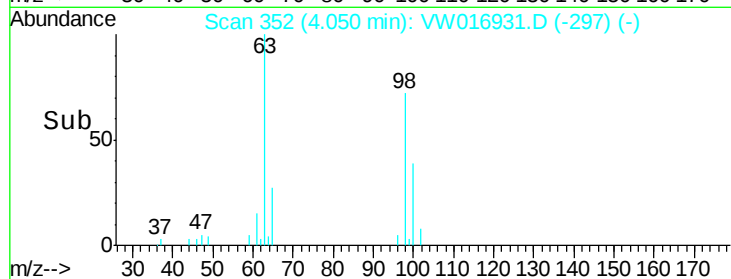
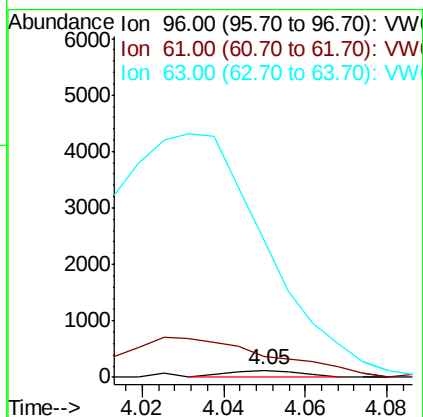
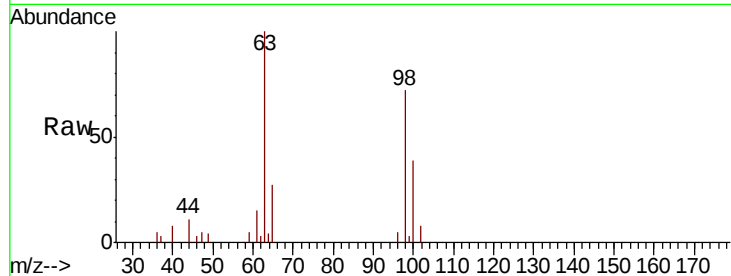
Tot Ion: 96 Resp: 157

Ion Ratio Lower Upper

96 100

61 292.7 105.1 195.1#

63 1966.9 69.9 129.7#



#13

Acetone

Concen: 6.150 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW016931.D

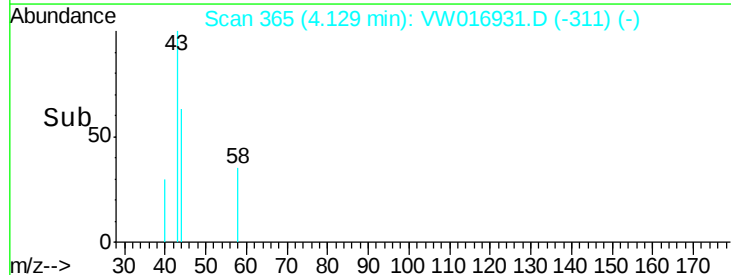
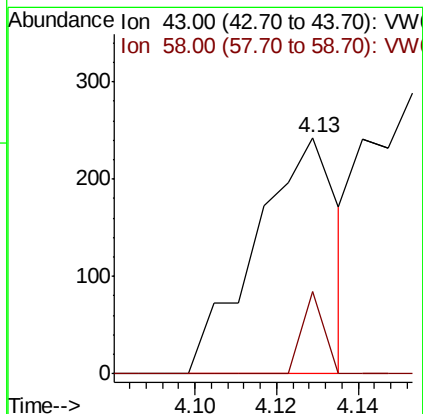
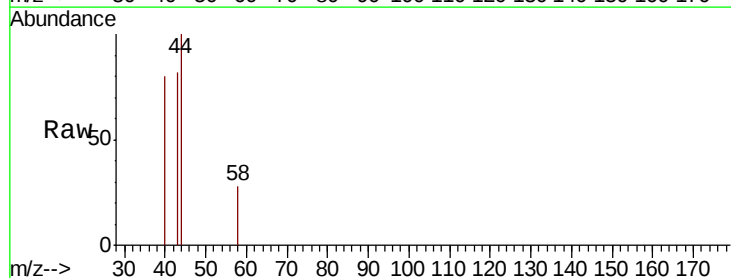
Acq: 16 Oct 2020 16:27

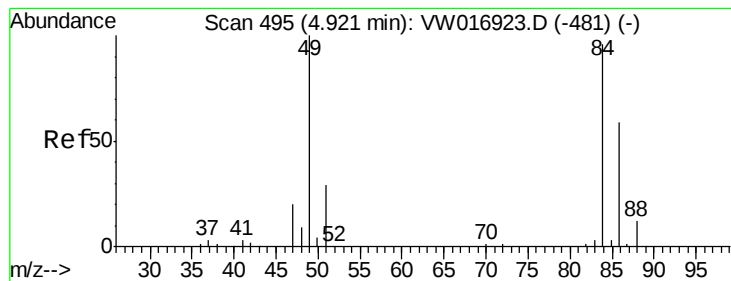
Tgt Ion: 43 Resp: 340

Ion Ratio Lower Upper

43 100

58 0.0 0.0 67.6





#16

Methylene chloride

Concen: 0.980 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW016931.D

Acq: 16 Oct 2020 16:27

Instrument :

MSVOA_W

ClientSampled :

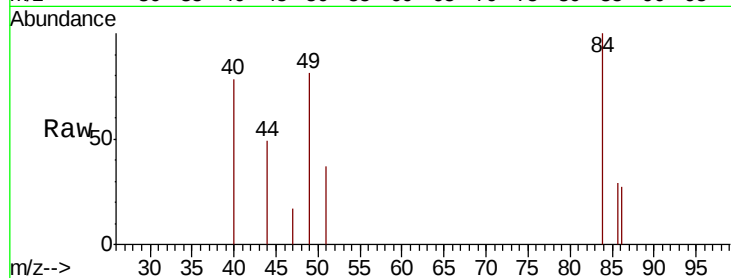
Tot Ion: 84 Resp: 442

Ion Ratio Lower Upper

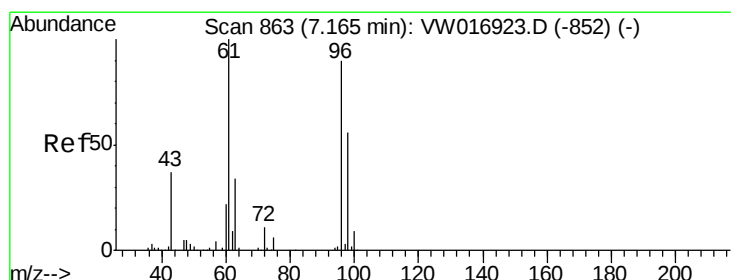
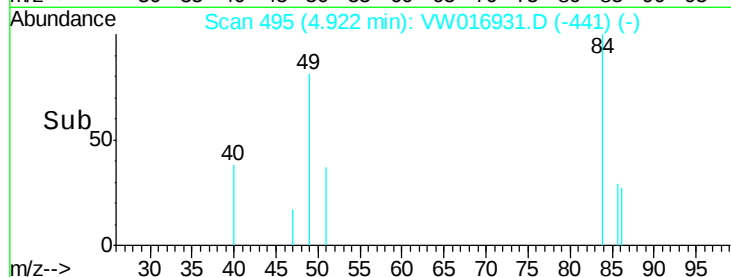
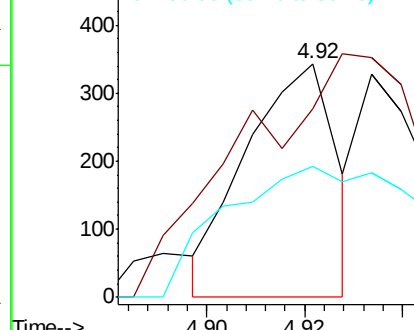
84 100

49 80.8 73.1 135.8

86 56.0 46.0 85.4



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



#22

cis-1,2-Dichloroethene

Concen: 0.497 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW016931.D

Acq: 16 Oct 2020 16:27

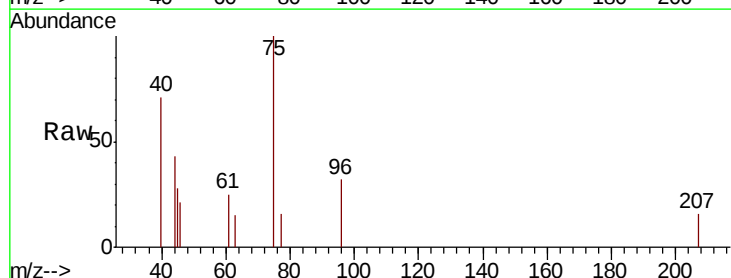
Tgt Ion: 96 Resp: 224

Ion Ratio Lower Upper

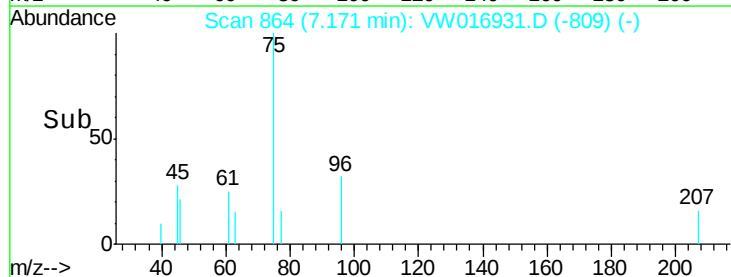
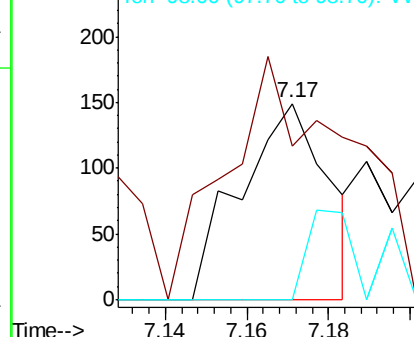
96 100

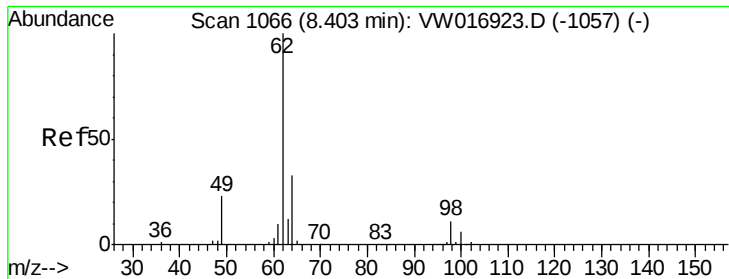
61 78.5 76.0 141.2

98 0.0 42.7 79.3#



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





#27

1,2-Dichloroethane

Concen: 0.273 ug/L

RT: 8.28 min Scan# 1046

Delta R.T. -0.12 min

Lab File: VW016931.D

Acq: 16 Oct 2020 16:27

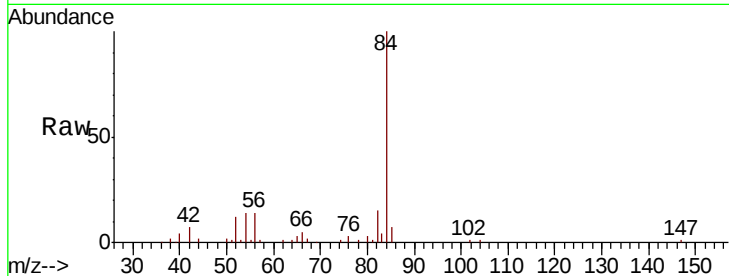
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 62 Resp: 120

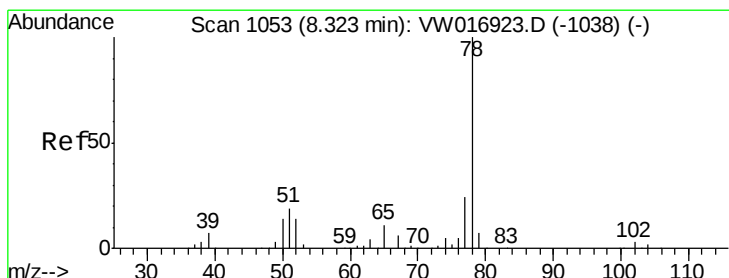
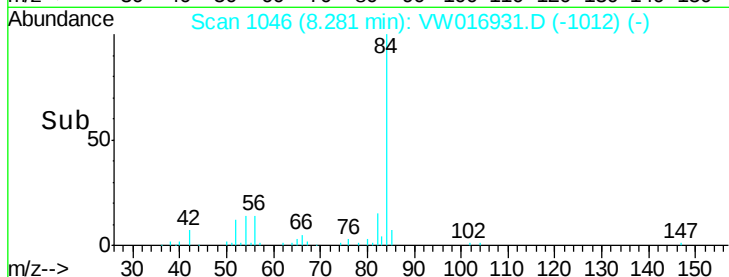
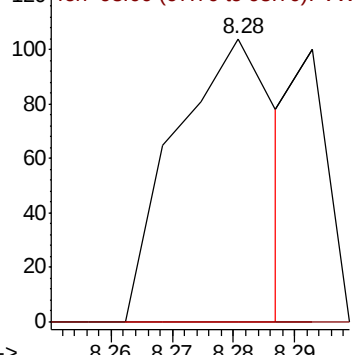
Ion Ratio Lower Upper

62 100

98 0.0 8.6 12.8#



Abundance Ion 62.00 (61.70 to 62.70): VW
Ion 98.00 (97.70 to 98.70): VW



#34

Benzene

Concen: 0.441 ug/L

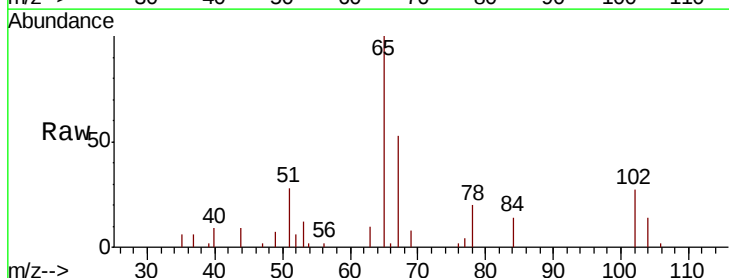
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

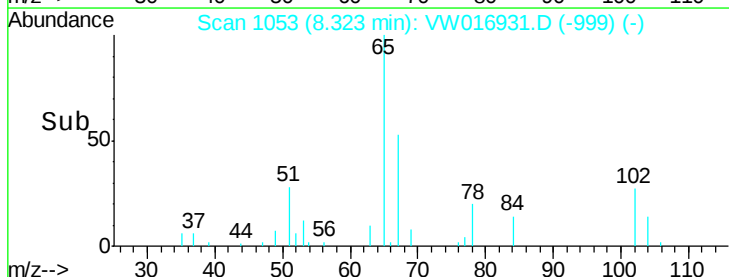
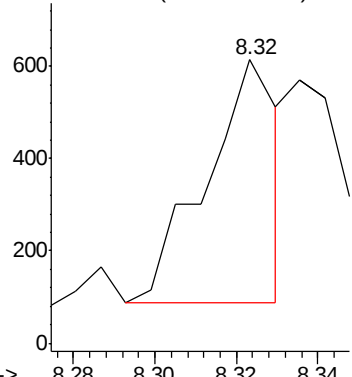
Lab File: VW016931.D

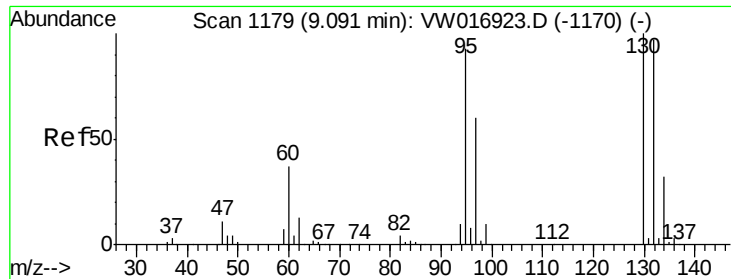
Acq: 16 Oct 2020 16:27

Tgt Ion: 78 Resp: 642



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 49.016 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016931.D

Acq: 16 Oct 2020 16:27

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 20176

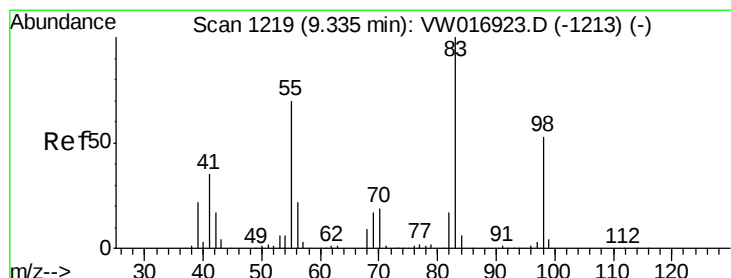
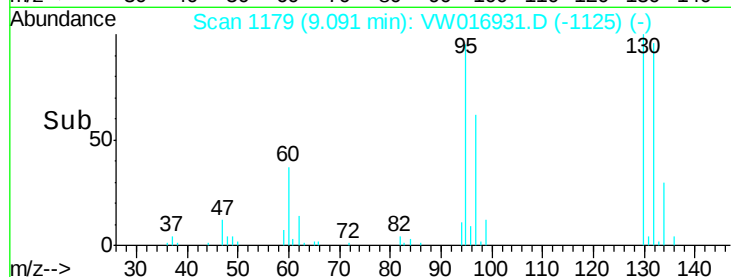
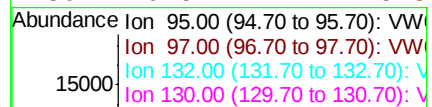
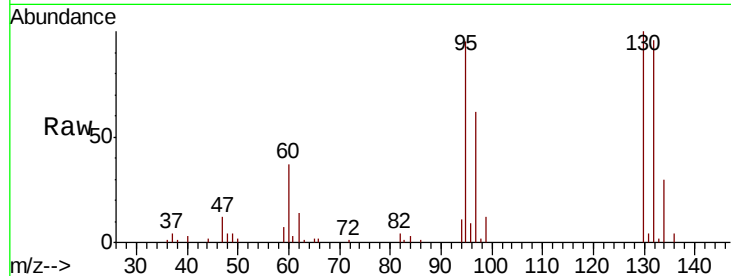
Ion Ratio Lower Upper

95 100

97 67.0 44.7 83.1

132 109.2 73.8 137.2

130 110.5 77.1 143.3



#36

Methylcyclohexane

Concen: 3.617 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.05 min

Lab File: VW016931.D

Acq: 16 Oct 2020 16:27

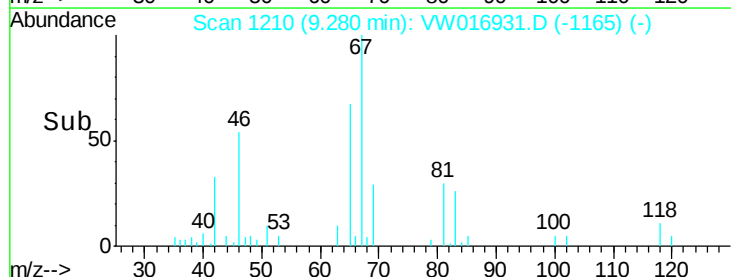
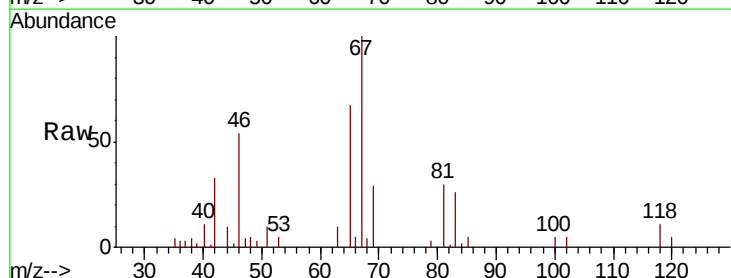
Tgt Ion: 83 Resp: 2503

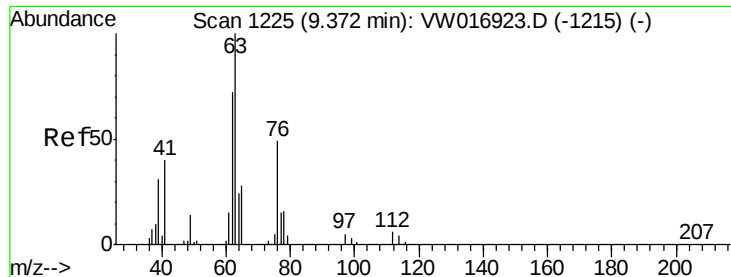
Ion Ratio Lower Upper

83 100

55 0.0 54.2 81.4#

98 0.0 41.4 62.2#

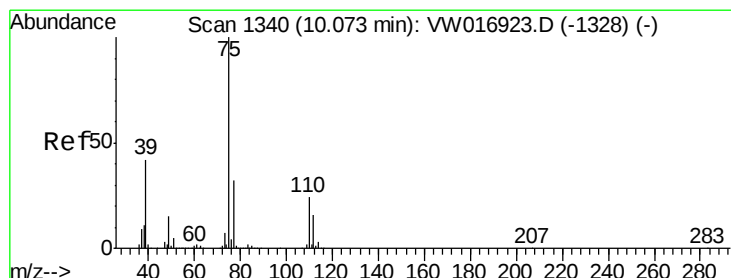
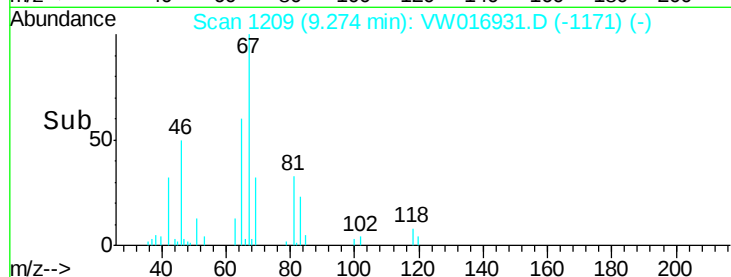
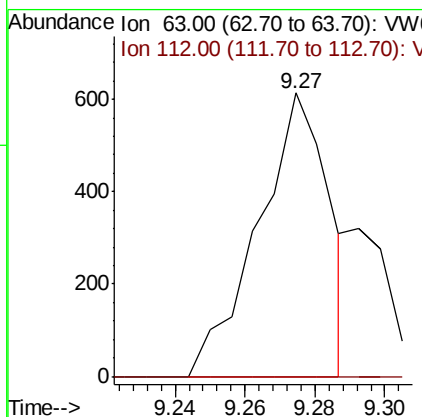
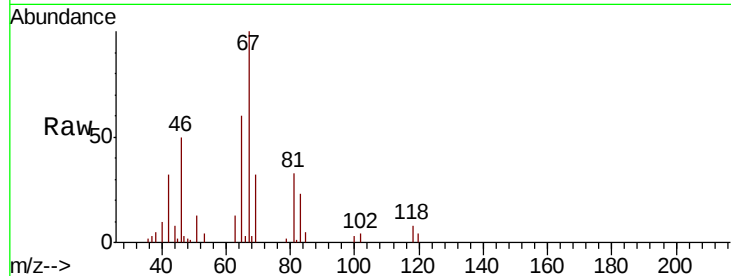




#40
 1,2-Dichloropropane
 Concen: 2.629 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.10 min
 Lab File: VW016931.D
 Acq: 16 Oct 2020 16:27

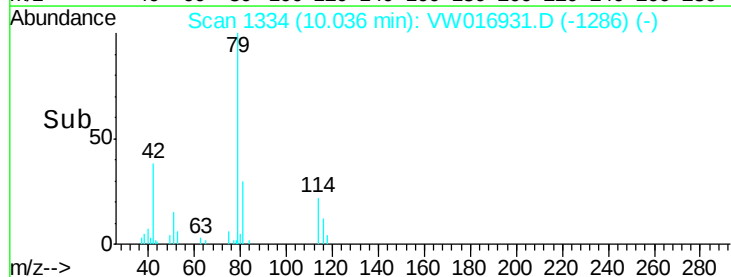
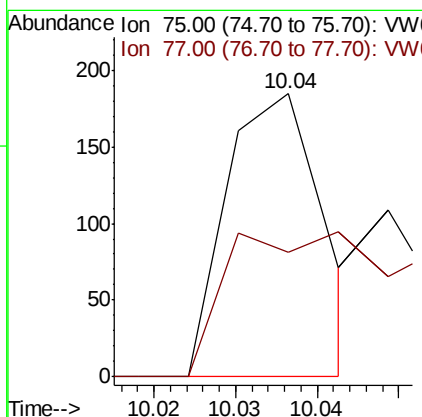
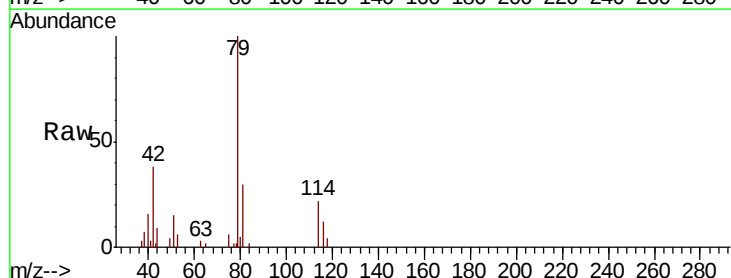
Instrument :
 MSVOA_W
 ClientSampleId :

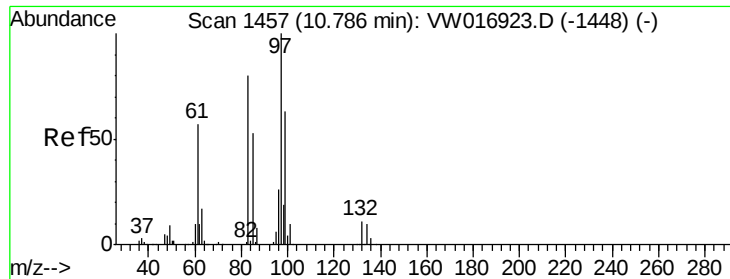
Tot Ion: 63 Resp: 865
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.5 6.7#



#42
 cis-1,3-Dichloropropene
 Concen: 0.290 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW016931.D
 Acq: 16 Oct 2020 16:27

Tgt Ion: 75 Resp: 152
 Ion Ratio Lower Upper
 75 100
 77 43.8 22.1 41.1#

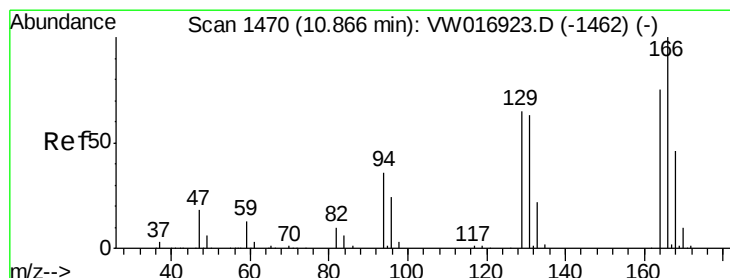
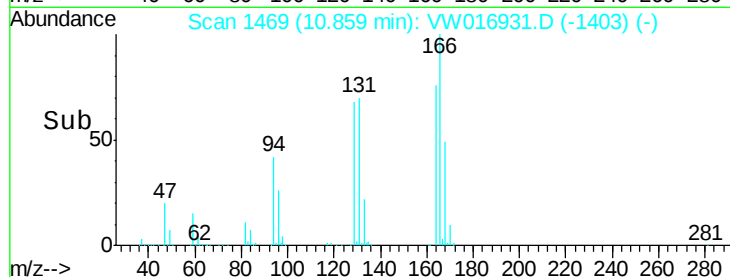
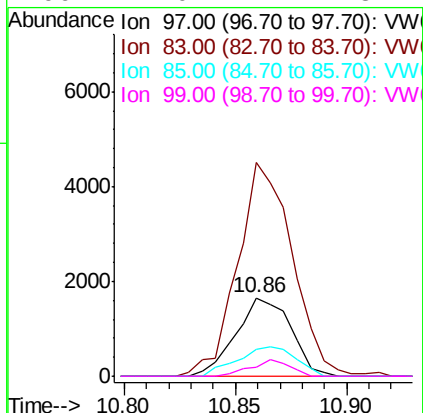
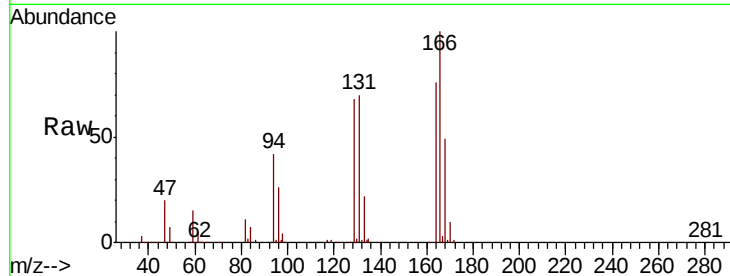




#46
 1,1,2-Trichloroethane
 Concen: 10.598 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.07 min
 Lab File: VW016931.D
 Acq: 16 Oct 2020 16:27

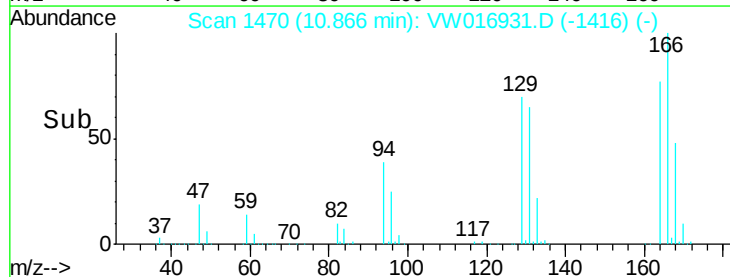
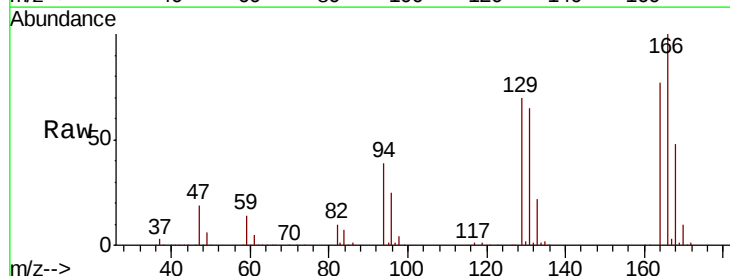
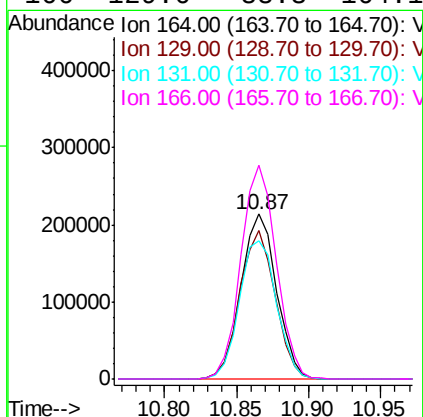
Instrument :
 MSVOA_W
 ClientSampleId :

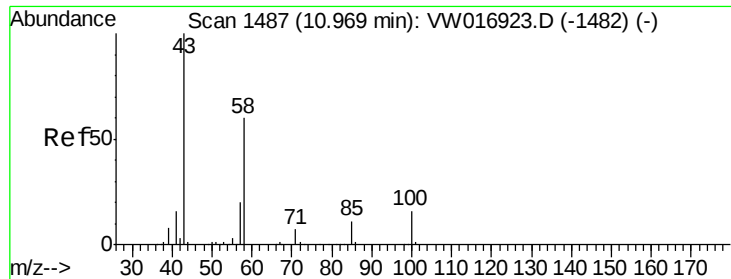
Tot Ion: 97 Resp: 2835
 Ion Ratio Lower Upper
 97 100
 83 272.2 56.8 105.4#
 85 34.3 37.0 68.6#
 99 12.0 44.2 82.2#



#47
 Tetrachloroethene
 Concen: 960.849 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016931.D
 Acq: 16 Oct 2020 16:27

Tgt Ion: 164 Resp: 366675
 Ion Ratio Lower Upper
 164 100
 129 90.1 61.7 114.7
 131 84.1 59.7 110.9
 166 129.6 88.3 164.1





#49

2-Hexanone

Concen: 1.966 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW016931.D

Acq: 16 Oct 2020 16:27

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 215

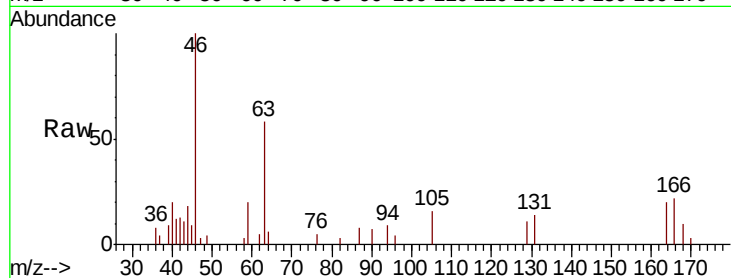
Ion Ratio Lower Upper

43 100

58 29.8 47.1 70.7#

57 0.0 16.2 24.4#

100 0.0 13.3 19.9#

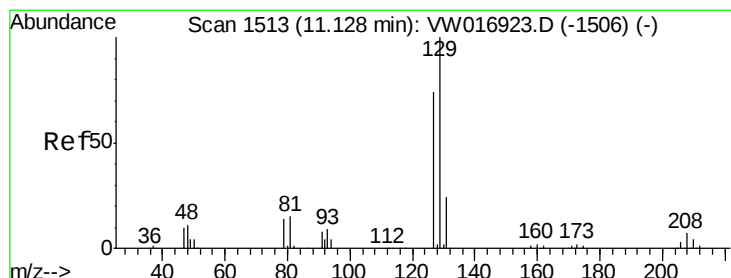
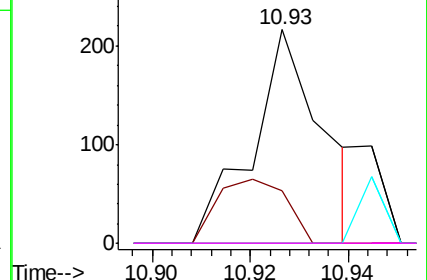
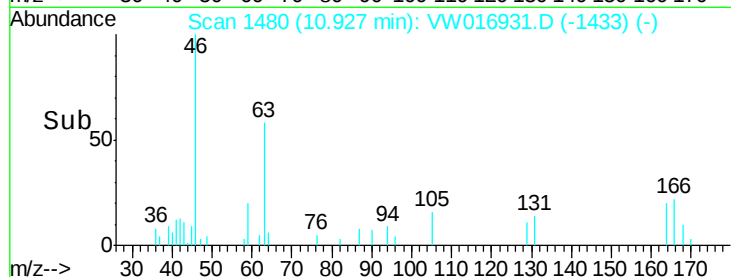


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 0.932 ug/L

RT: 10.93 min Scan# 1481

Delta R.T. -0.20 min

Lab File: VW016931.D

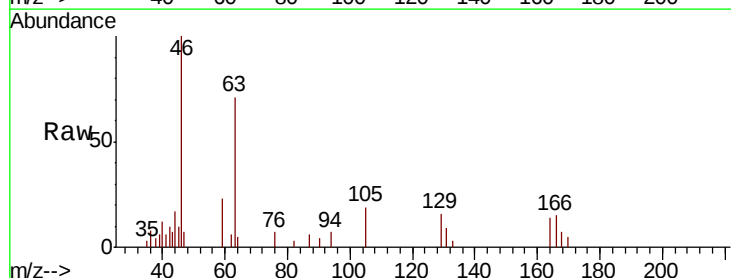
Acq: 16 Oct 2020 16:27

Tgt Ion: 129 Resp: 310

Ion Ratio Lower Upper

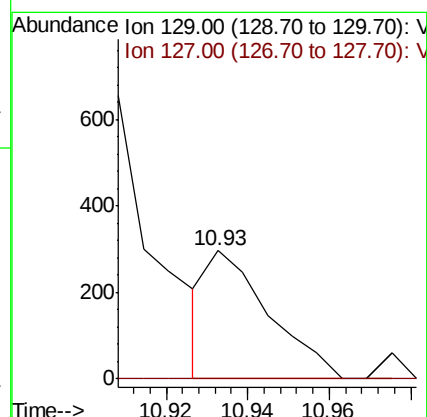
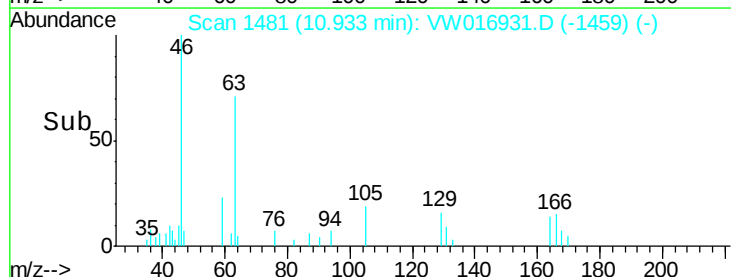
129 100

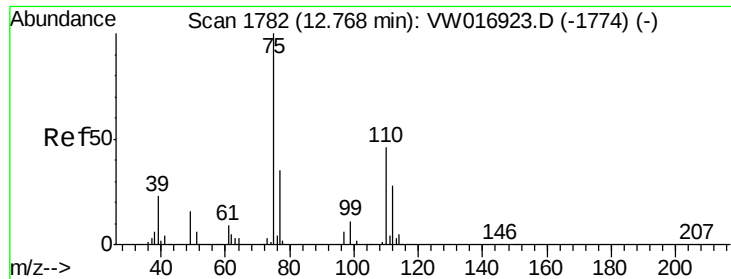
127 0.0 54.0 100.4#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 2.181 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW016931.D

Acq: 16 Oct 2020 16:27

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 467

Ion Ratio Lower Upper

75 100

77 59.3 26.2 39.2#

