

Data File : VV011253.D
Acq On : 06 Jun 2019 18:53
Operator : SY/MD
Sample : K3230-03
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
P020-STEEL-1906-01

Quant Time: Jun 07 01:33:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 07 01:28:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	158166	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	148023	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	60341	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56334	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.56	69	46880	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.12	63	88336	3.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.80%
20) 2-Butanone-d5	3.94	46	136919	50.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.48%
24) Chloroform-d	4.40	84	100557	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.08	65	56940	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.09	84	209866	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.12	67	64356	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.36	98	189874	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.66	79	20699	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
46) 2-Hexanone-d5	8.13	63	110506	50.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.62%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43693	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	60679	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

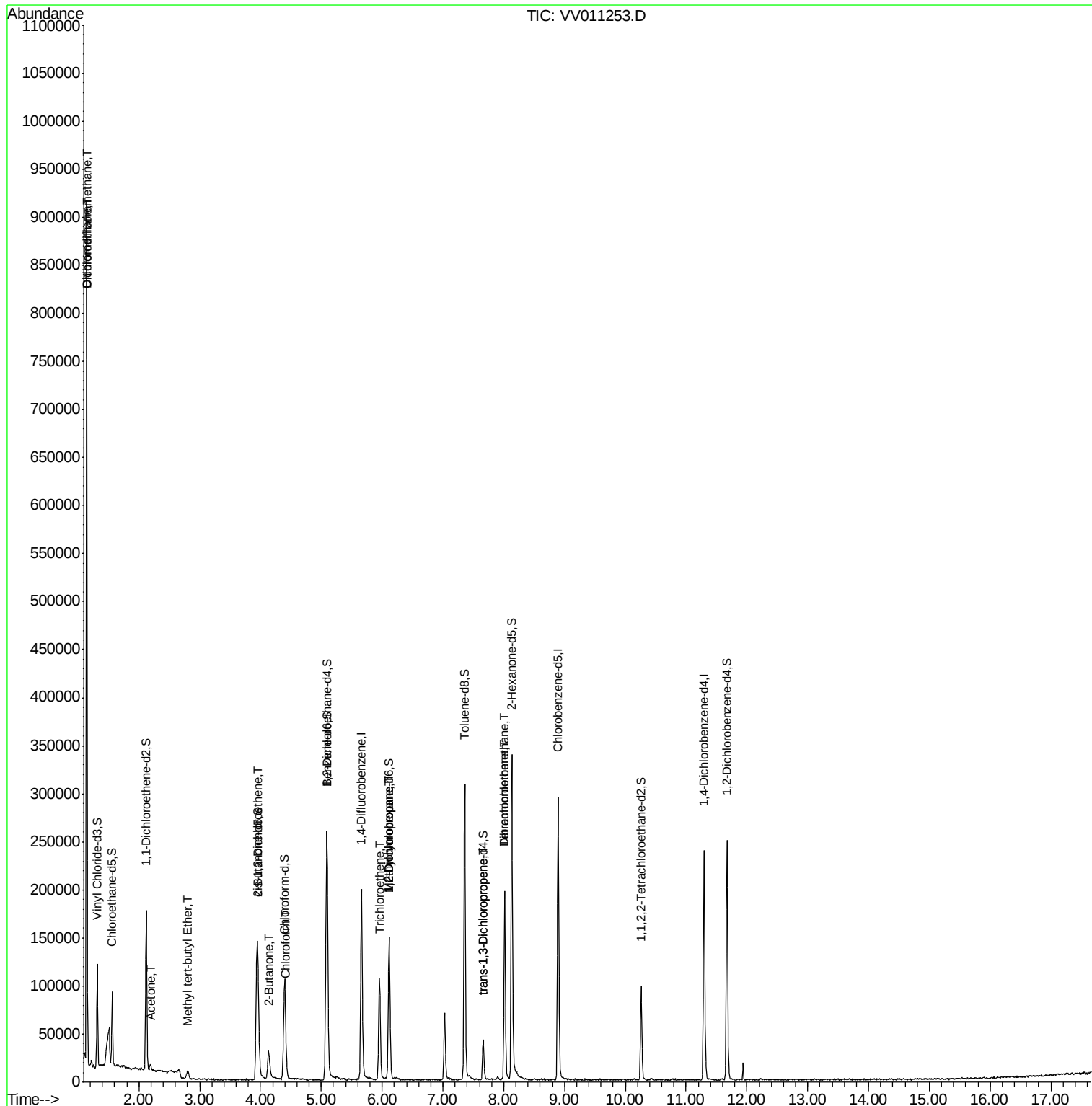
					Qvalue
2) Dichlorodifluoromethane	1.14	85	8299	0.532	ug/L 98
3) Chloromethane	1.14	50	29540	1.959	ug/L # 79
13) Acetone	2.19	43	4156	2.297	ug/L 78
17) Methyl tert-butyl Ether	2.81	73	7383	0.278	ug/L # 91
21) 2-Butanone	4.14	43	45113	16.193	ug/L # 50
22) cis-1,2-Dichloroethene	3.96	96	42637	3.451	ug/L 96
25) Chloroform	4.42	83	4513	0.199	ug/L 99
34) Trichloroethene	5.96	95	35303	2.901	ug/L 98
35) Methylcyclohexane	6.12	83	15505	0.770	ug/L # 16
37) 1,2-Dichloropropane	6.12	63	8041	0.686	ug/L # 86
44) trans-1,3-Dichloropropene	7.66	75	1214	0.093	ug/L # 80
47) Tetrachloroethene	8.02	164	39207	4.458	ug/L 98
49) Dibromochloromethane	8.02	129	37216	4.366	ug/L # 11

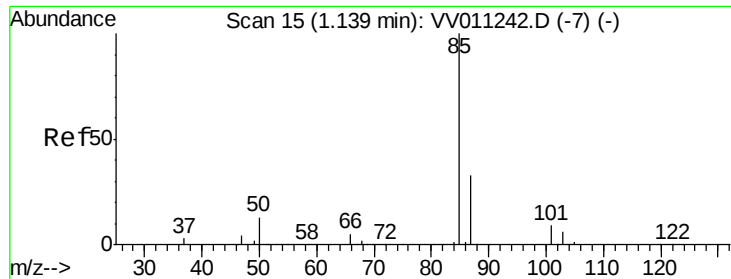
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.532 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV011253.D

Acq: 06 Jun 2019 18:53

Instrument :

MSVOA_V

ClientSampleId :

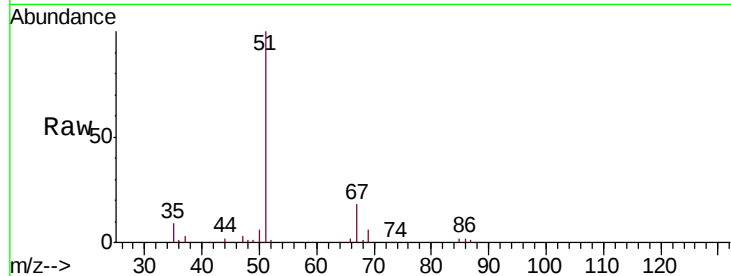
P020-STEEL-1906-01

Tgt Ion: 85 Resp: 8299

Ion Ratio Lower Upper

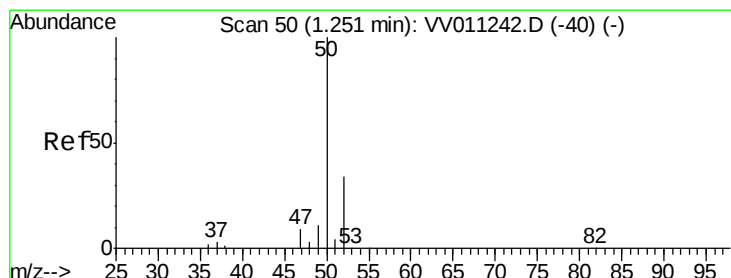
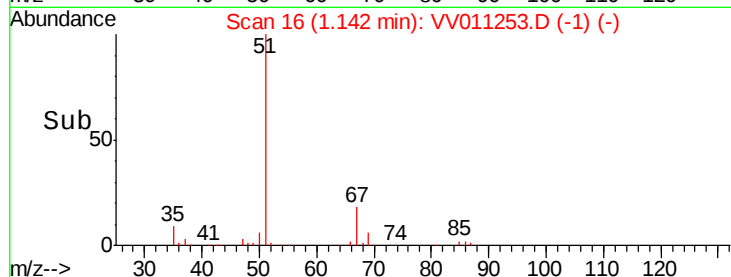
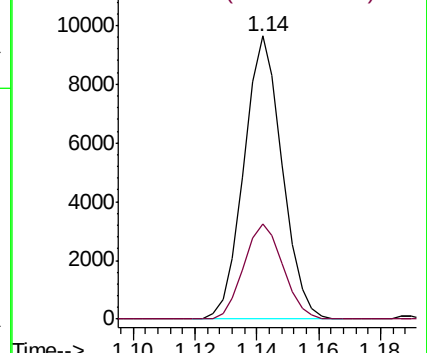
85 100

87 34.3 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 1.959 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.11 min

Lab File: VV011253.D

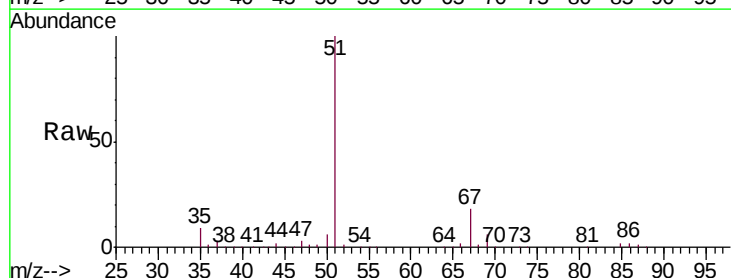
Acq: 06 Jun 2019 18:53

Tgt Ion: 50 Resp: 29540

Ion Ratio Lower Upper

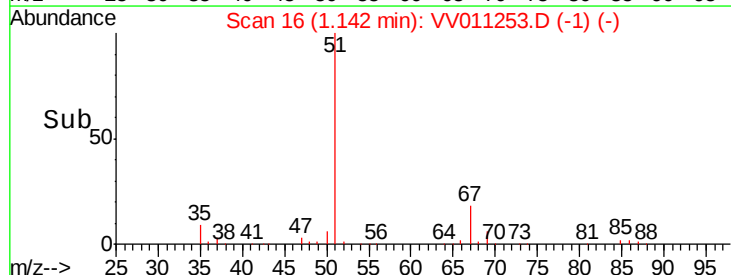
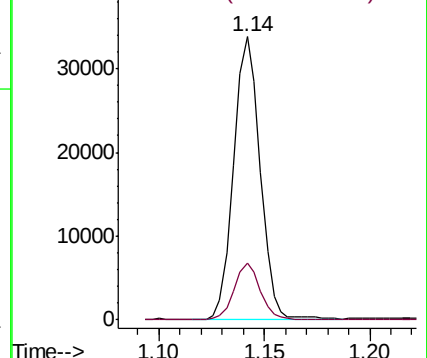
50 100

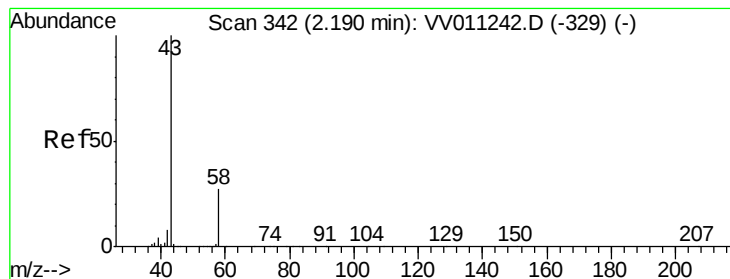
52 20.1 22.3 41.5#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#13

Acetone

Concen: 2.297 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV011253.D

Acq: 06 Jun 2019 18:53

Instrument :

MSVOA_V

ClientSampleId :

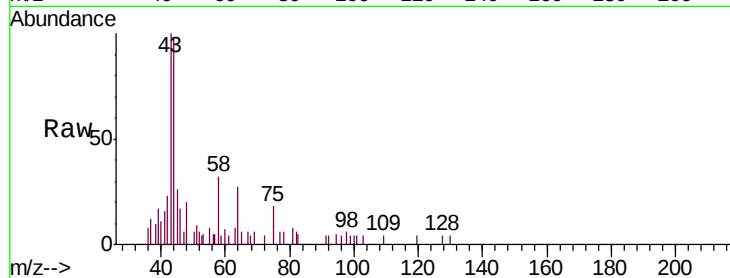
P020-STEEL-1906-01

Tgt Ion: 43 Resp: 4156

Ion Ratio Lower Upper

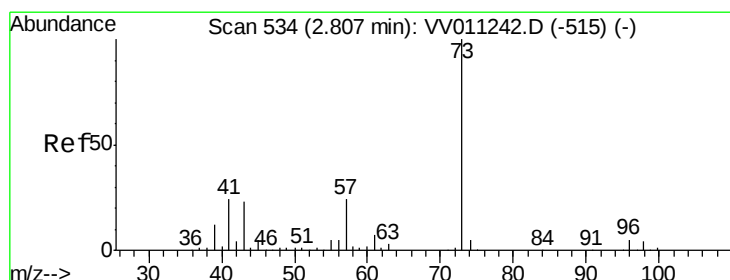
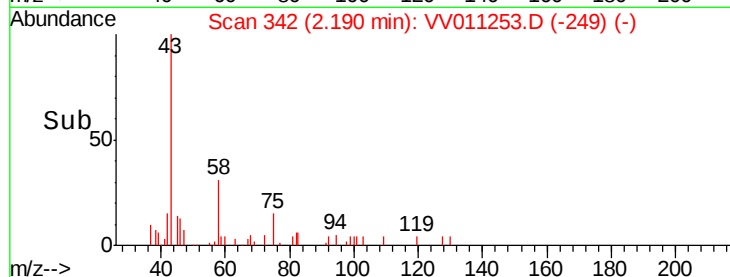
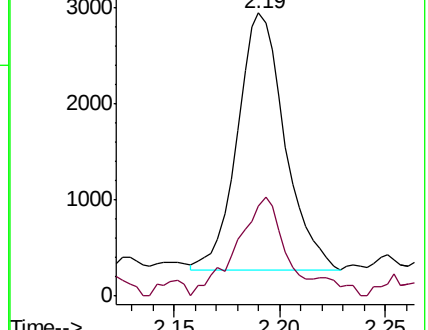
43 100

58 39.1 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV011242.D (-329) (-)

Ion 58.05 (57.75 to 58.75): VV011242.D (-329) (-)



#17

Methyl tert-butyl Ether

Concen: 0.278 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV011253.D

Acq: 06 Jun 2019 18:53

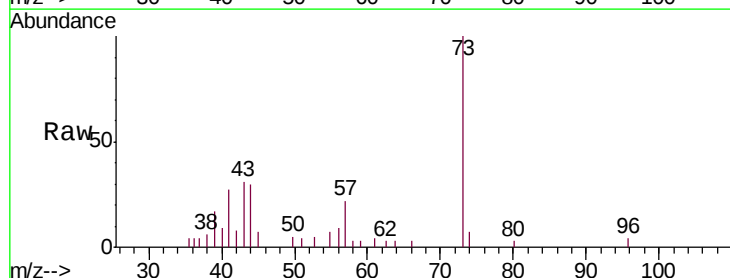
Tgt Ion: 73 Resp: 7383

Ion Ratio Lower Upper

73 100

43 25.5 18.7 28.1

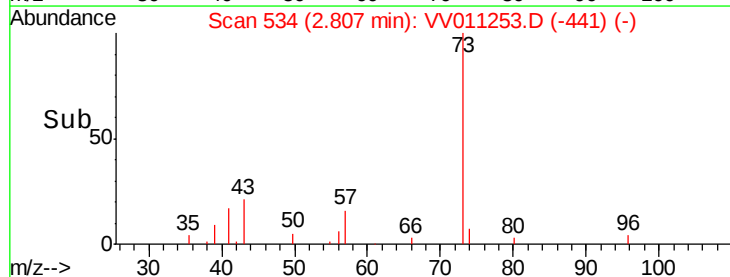
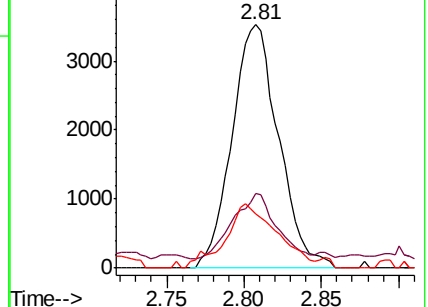
57 29.1 18.1 27.1#

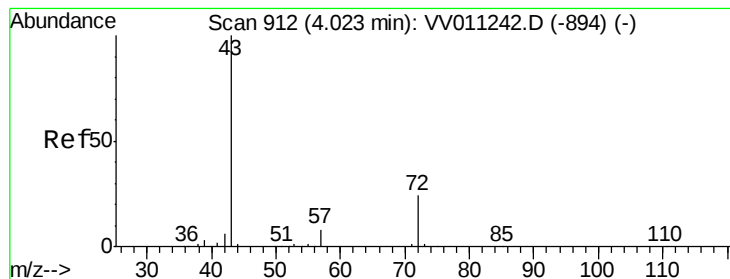


Abundance Ion 73.10 (72.80 to 73.80): VV011242.D (-515) (-)

Ion 43.05 (42.75 to 43.75): VV011242.D (-515) (-)

Ion 57.10 (56.80 to 57.80): VV011242.D (-515) (-)





#21

2-Butanone

Concen: 16.193 ug/L

RT: 4.14 min Scan# 947

Delta R.T. 0.11 min

Lab File: VV011253.D

Acq: 06 Jun 2019 18:53

Instrument :

MSVOA_V

ClientSampleId :

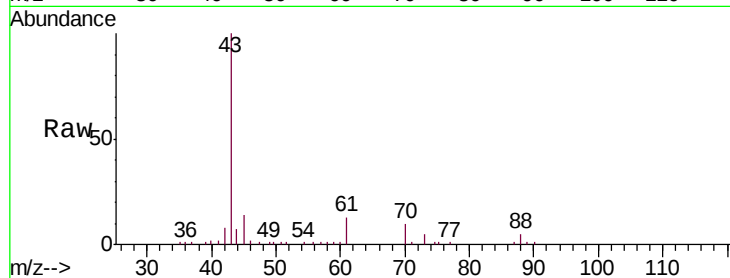
P020-STEEL-1906-01

Tgt Ion: 43 Resp: 45113

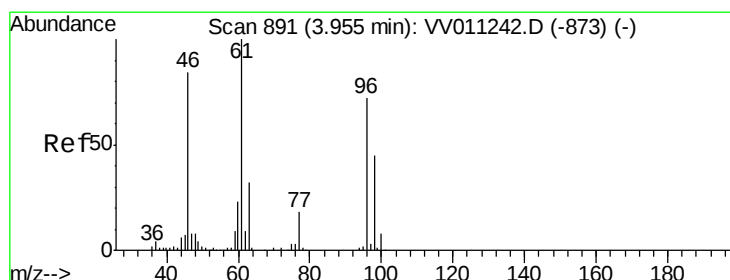
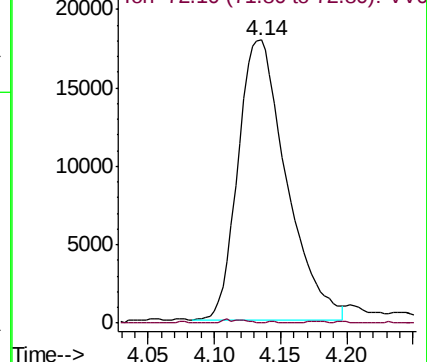
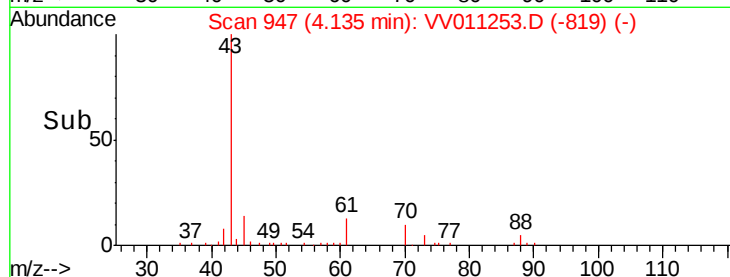
Ion Ratio Lower Upper

43 100

72 0.1 12.7 38.1#



Abundance Ion 43.05 (42.75 to 43.75): VV011253.D (-819) (-)



#22

cis-1,2-Dichloroethene

Concen: 3.451 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV011253.D

Acq: 06 Jun 2019 18:53

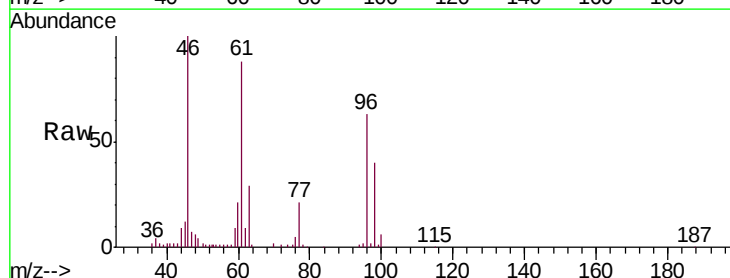
Tgt Ion: 96 Resp: 42637

Ion Ratio Lower Upper

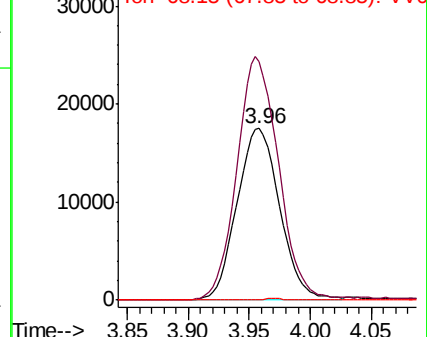
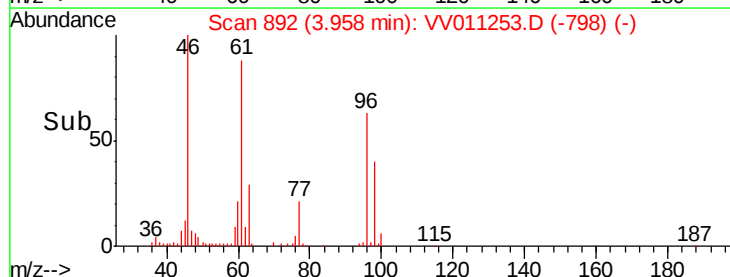
96 100

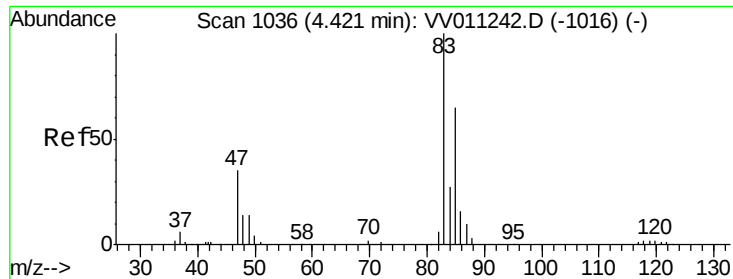
61 138.9 100.8 187.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV011253.D (-798) (-)

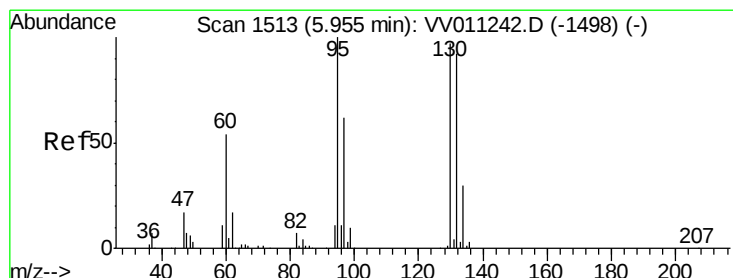
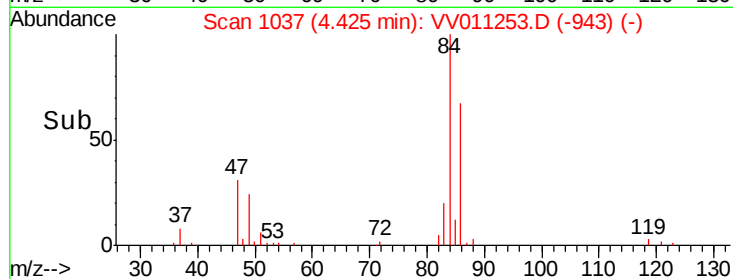
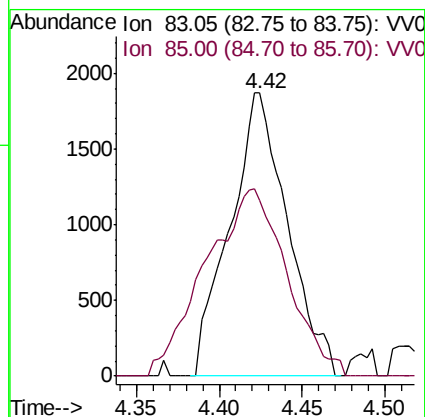
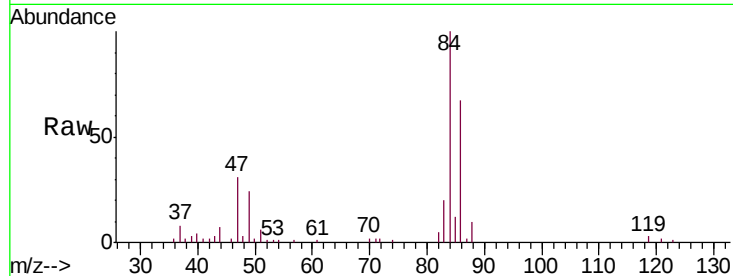




#25
Chloroform
Concen: 0.199 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011253.D
Acq: 06 Jun 2019 18:53

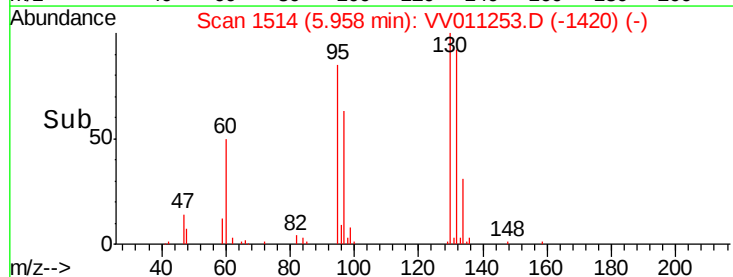
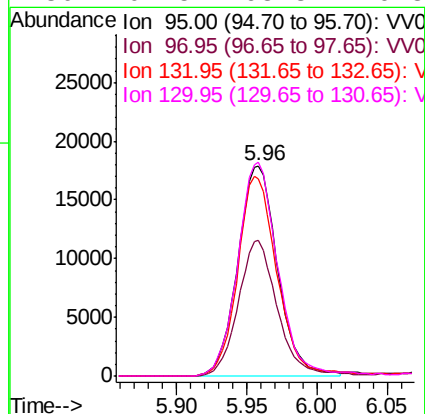
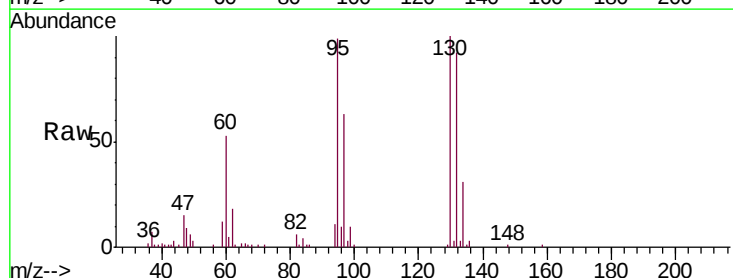
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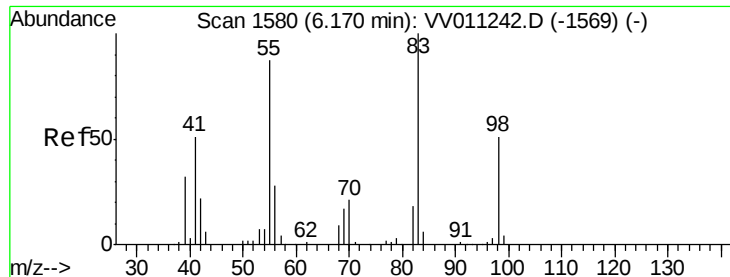
Tgt Ion: 83 Resp: 4513
Ion Ratio Lower Upper
83 100
85 62.2 44.1 81.9



#34
Trichloroethene
Concen: 2.901 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV011253.D
Acq: 06 Jun 2019 18:53

Tgt Ion: 95 Resp: 35303
Ion Ratio Lower Upper
95 100
97 64.3 45.8 85.2
132 93.8 66.4 123.2
130 101.5 68.3 126.8

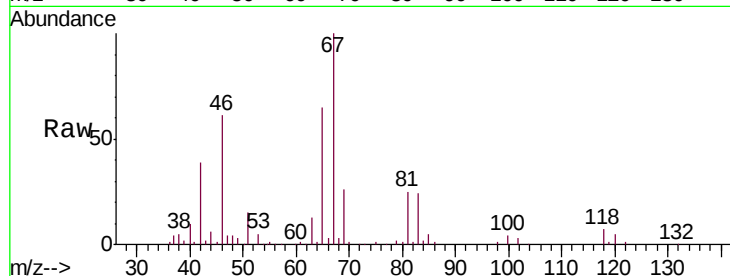




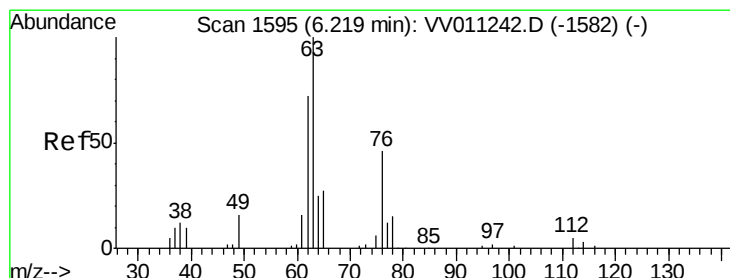
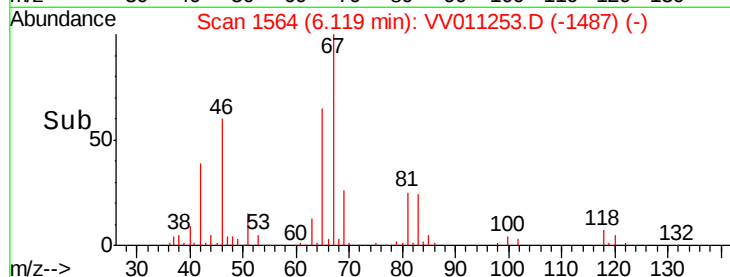
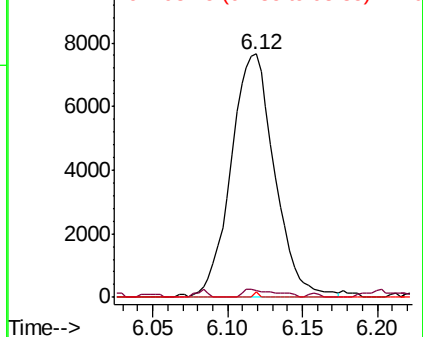
#35
Methylcyclohexane
Concen: 0.770 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV011253.D
Acq: 06 Jun 2019 18:53

Instrument :
MSVOA_V
ClientSampleId :
P020-STEEL-1906-01

Tgt Ion: 83 Resp: 15505
Ion Ratio Lower Upper
83 100
55 2.0 67.0 100.6#
98 0.2 40.0 60.0#

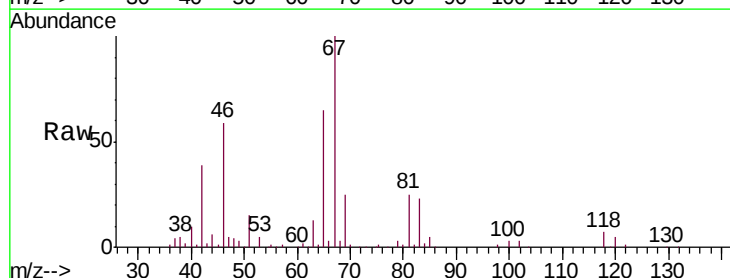


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

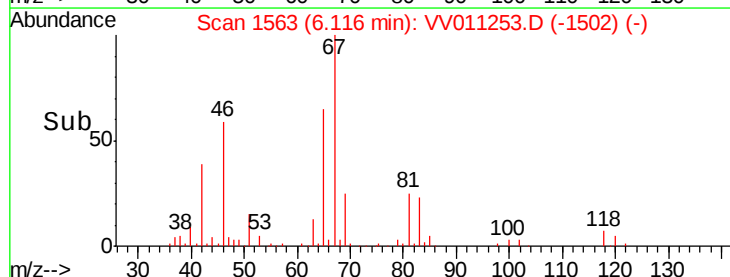
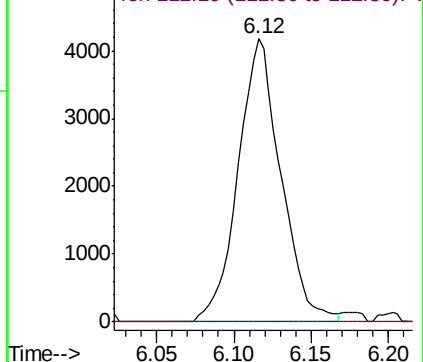


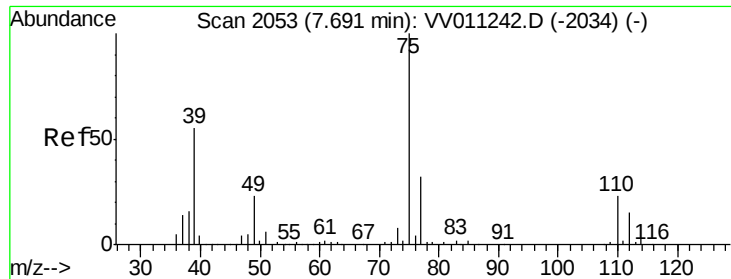
#37
1,2-Dichloropropane
Concen: 0.686 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV011253.D
Acq: 06 Jun 2019 18:53

Tgt Ion: 63 Resp: 8041
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV011253.D

Acq: 06 Jun 2019 18:53

Instrument :

MSVOA_V

ClientSampleId :

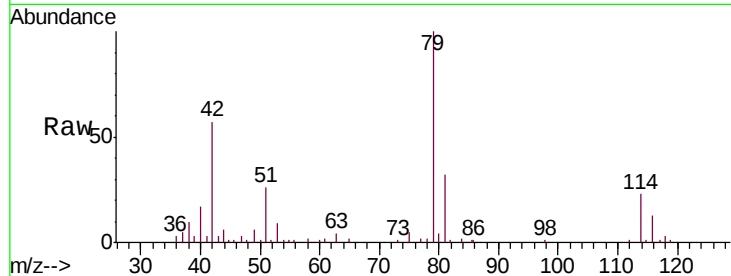
P020-STEEL-1906-01

Tgt Ion: 75 Resp: 1214

Ion Ratio Lower Upper

75 100

77 44.4 23.1 42.9#



Abundance Ion 75.05 (74.75 to 75.75): VV011242.D (-2034) (-)

Ion 77.05 (76.75 to 77.75): VV011242.D (-2034) (-)

7.66

600

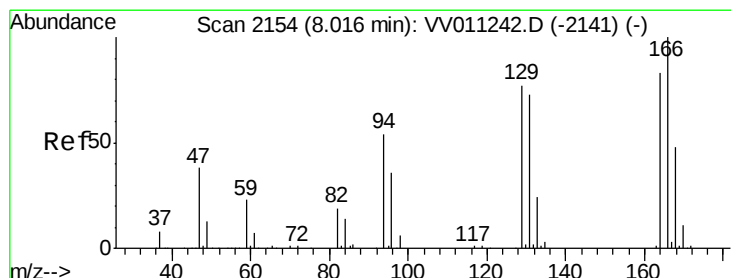
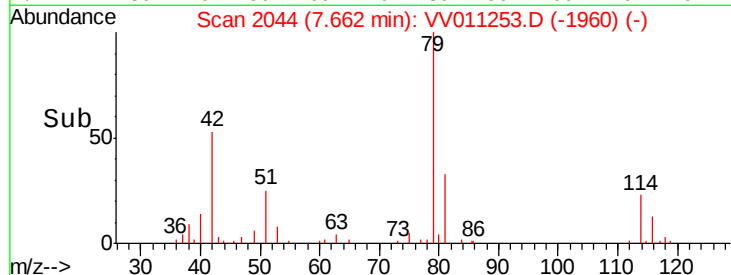
400

200

0

7.60 7.65 7.70

Time-->



#47

Tetrachloroethene

Concen: 4.458 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV011253.D

Acq: 06 Jun 2019 18:53

Tgt Ion: 164 Resp: 39207

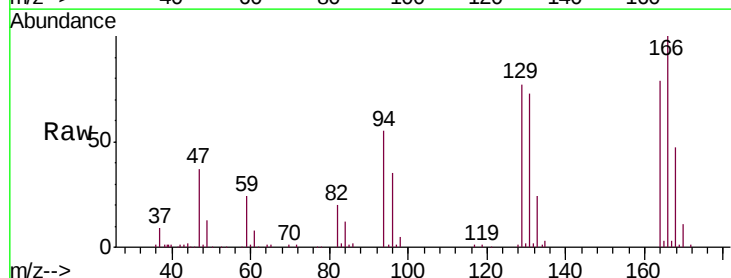
Ion Ratio Lower Upper

164 100

129 97.3 69.9 129.9

131 92.9 66.8 124.2

166 127.0 90.2 167.6



Abundance Ion 163.90 (163.60 to 164.60): VV011242.D (-2141) (-)

Ion 128.95 (128.65 to 129.65): VV011242.D (-2141) (-)

Ion 130.95 (130.65 to 131.65): VV011242.D (-2141) (-)

Ion 165.90 (165.60 to 166.60): VV011242.D (-2141) (-)

8.02

40000

30000

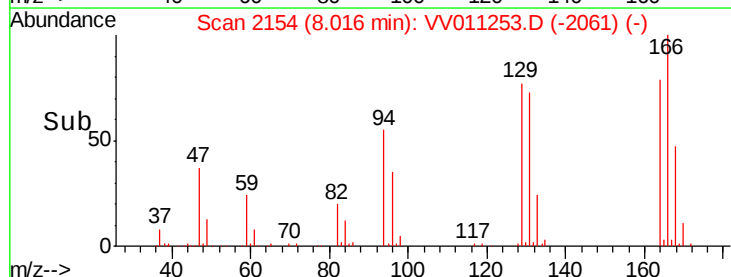
20000

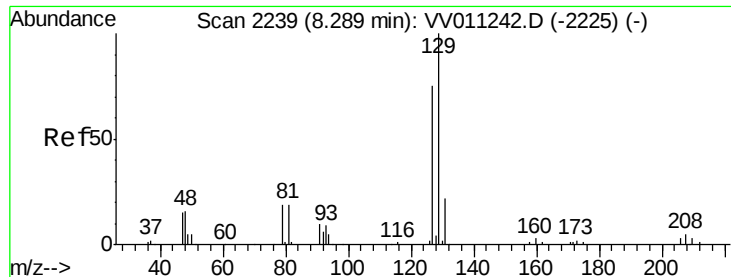
10000

0

7.95 8.00 8.05 8.10

Time-->





#49

Dibromochloromethane

Concen: 4.366 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV011253.D

Acq: 06 Jun 2019 18:53

Instrument :

MSVOA_V

ClientSampleId :

P020-STEEL-1906-01

Tgt Ion:129 Resp: 37216

Ion Ratio Lower Upper

129 100

127 0.0 53.7 99.7#

