

Data File : VW015032.D
Acq On : 25 Feb 2020 14:37
Operator : SY/VA
Sample : L1677-01
Misc : 5.54G/10ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0CC5RE

Quant Time: Feb 26 03:54:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 26 03:52:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	18481	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	10426	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	1192	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	15989	34.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	138.32%
7) Chloroethane-d5	2.90	69	13637	40.93	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	163.72%#
10) 1,1-Dichloroethene-d2	4.03	63	18679	25.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.84%
20) 2-Butanone-d5	7.09	46	3097	40.08	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.16%
24) Chloroform-d	7.64	84	20703	34.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	136.40%
26) 1,2-Dichloroethane-d4	8.30	65	10512	30.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	123.76%
29) Benzene-d6	8.27	84	36649	51.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	204.60%#
33) 1,2-Dichloropropane-d6	9.27	67	12943	53.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	215.84%#
37) Toluene-d8	10.32	98	20628	34.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	138.08%#
38) trans-1,3-Dichloropropene-	10.58	79	2166	24.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.72%
39) 2-Hexanone-d5	10.80	63	52	1.64	ug/L	-0.12
Spiked Amount	50.000	Range	20 - 135	Recovery	=	3.28%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	4830	31.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	124.68%#
61) 1,2-Dichlorobenzene-d4	13.85	152	1514	34.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	138.68%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.23	85	46	0.292 ug/L #	1
6) Bromomethane	2.79	94	142	0.676 ug/L	92
21) 2-Butanone	7.18	43	267	2.484 ug/L	90
35) Trichloroethene	8.85	95	407	2.169 ug/L #	10
40) 1,2-Dichloropropane	9.27	63	1498	6.954 ug/L	98
44) Toluene	10.39	91	513	0.681 ug/L	80
50) Dibromochloromethane	11.13	129	52	0.403 ug/L #	9
55) o-xylene	12.16	106	83	0.309 ug/L #	1
63) 1,3-Dichlorobenzene	13.51	146	80	1.029 ug/L #	24
64) 1,4-Dichlorobenzene	13.51	146	80	0.999 ug/L #	23
65) 1,2-Dichlorobenzene	13.86	146	34	0.483 ug/L #	54
67) 1,3,5-Trichlorobenzene	14.63	180	156	2.992 ug/L #	69
68) 1,2,4-trichlorobenzene	15.13	180	166	4.356 ug/L #	66
69) Naphthalene	15.35	128	75	2.217 ug/L #	68
70) 1,2,3-Trichlorobenzene	15.55	180	71	2.076 ug/L #	36

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW022520\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Wed Feb 26 03:52:23 2020
Response via : Initial Calibration

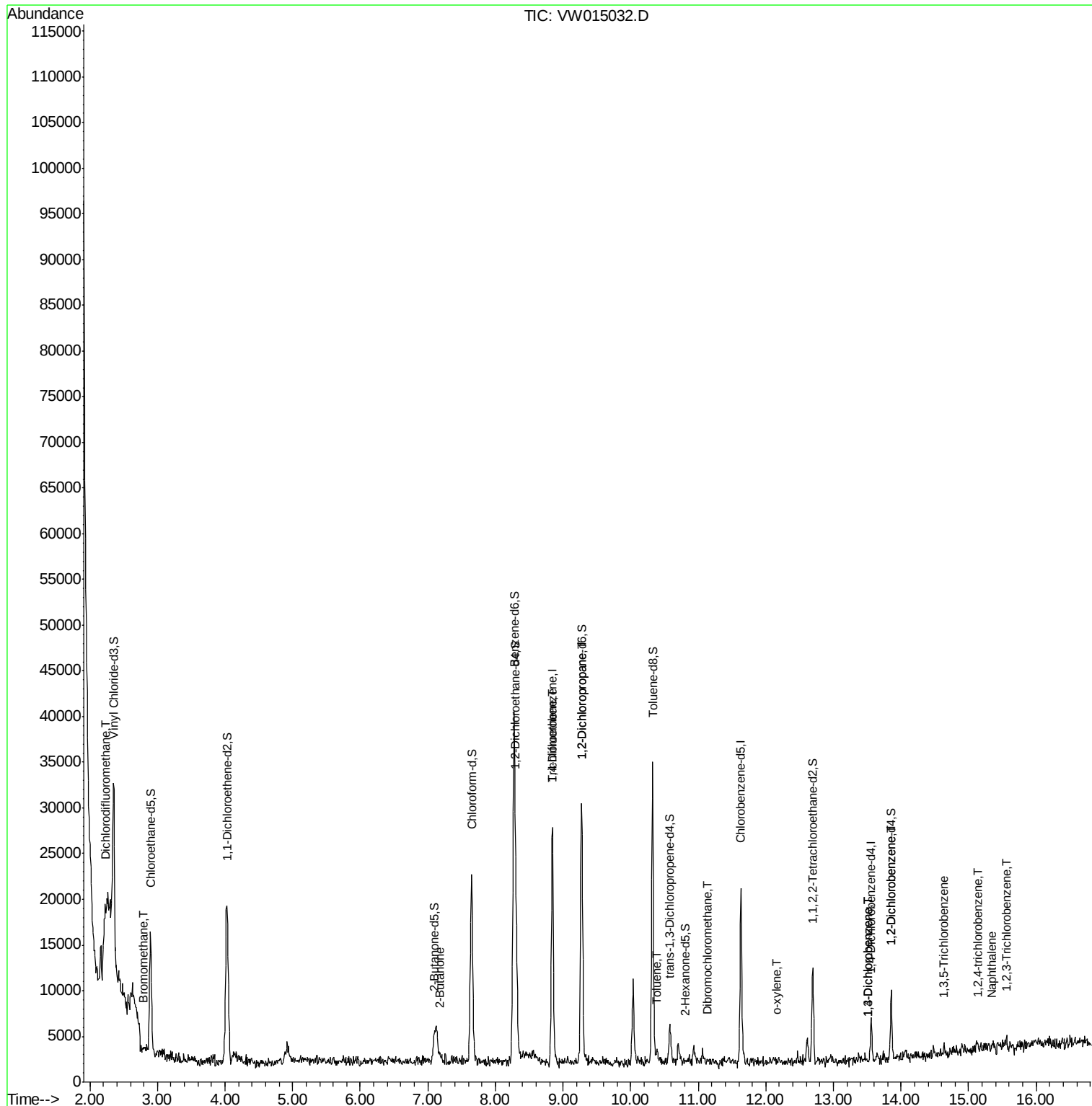
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

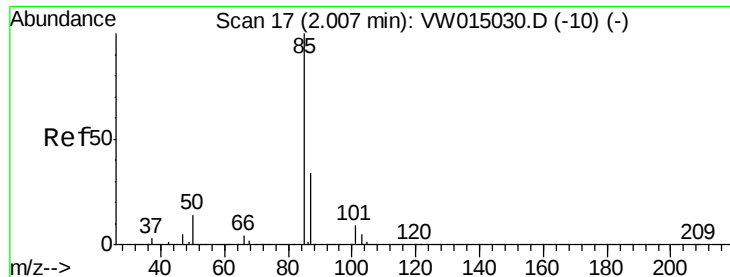
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#2

Dichlorodifluoromethane

Concen: 0.292 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.22 min

Lab File: VW015032.D

Acq: 25 Feb 2020 14:37

Instrument :

MSVOA_W

ClientSampleId :

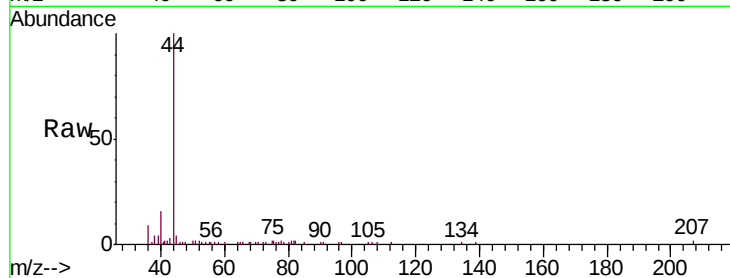
C0CC5RE

Tgt Ion: 85 Resp: 46

Ion Ratio Lower Upper

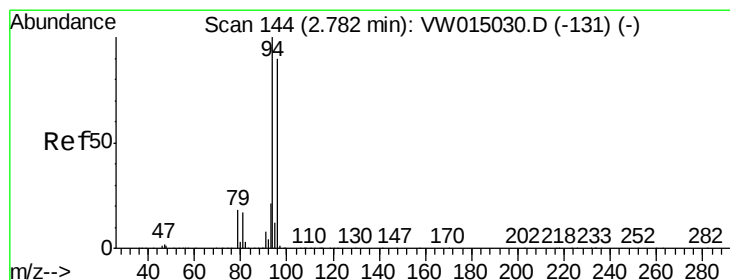
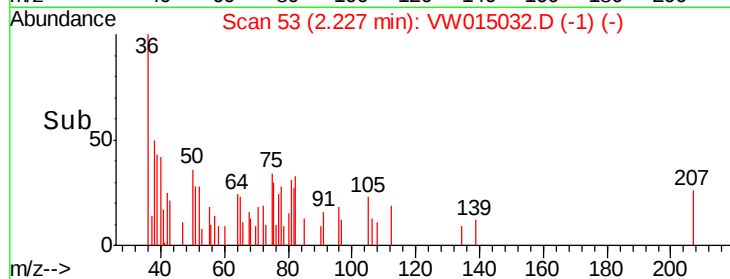
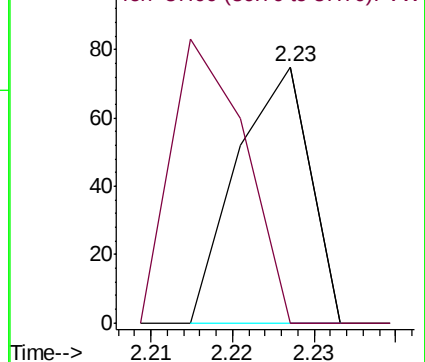
85 100

87 113.0 22.0 41.0#



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#6

Bromomethane

Concen: 0.676 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW015032.D

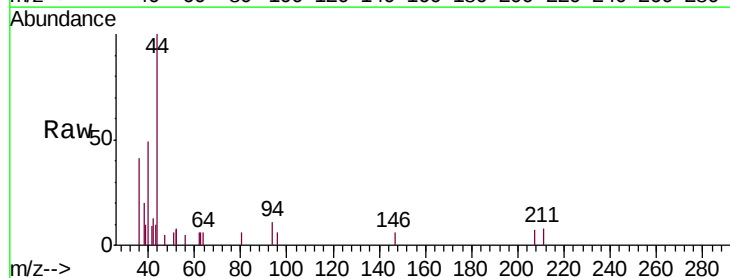
Acq: 25 Feb 2020 14:37

Tgt Ion: 94 Resp: 142

Ion Ratio Lower Upper

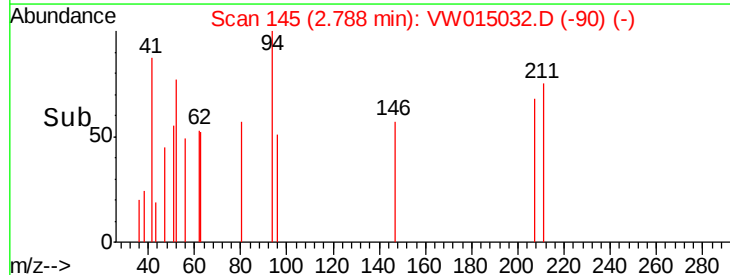
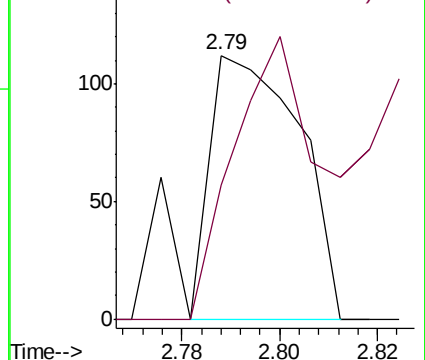
94 100

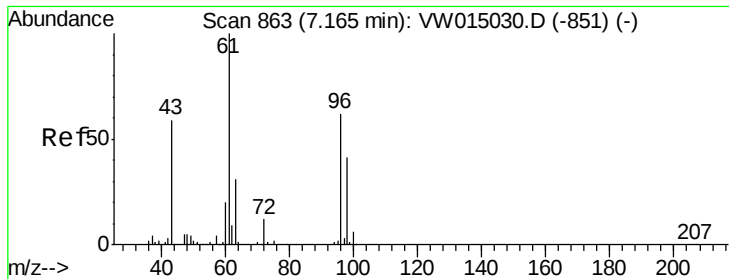
96 102.1 9.5 179.7



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#21

2-Butanone

Concen: 2.484 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW015032.D

Acq: 25 Feb 2020 14:37

Instrument :

MSVOA_W

ClientSampled :

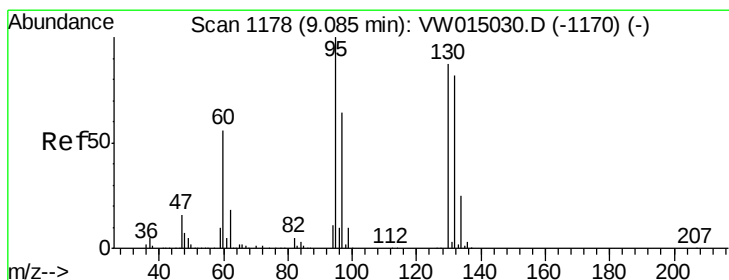
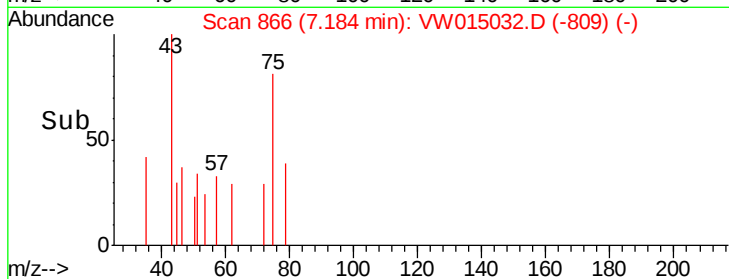
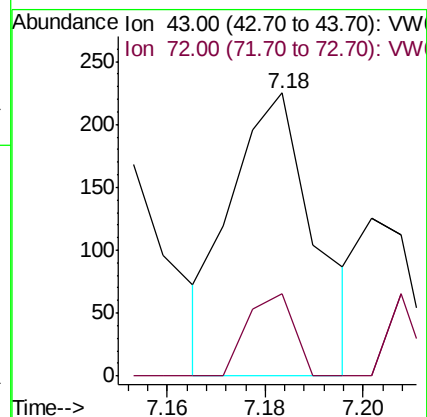
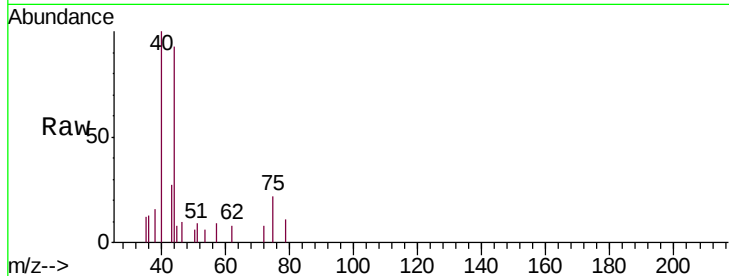
C0CC5RE

Tgt Ion: 43 Resp: 267

Ion Ratio Lower Upper

43 100

72 16.1 10.4 31.4



#35

Trichloroethene

Concen: 2.169 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW015032.D

Acq: 25 Feb 2020 14:37

Tgt Ion: 95 Resp: 407

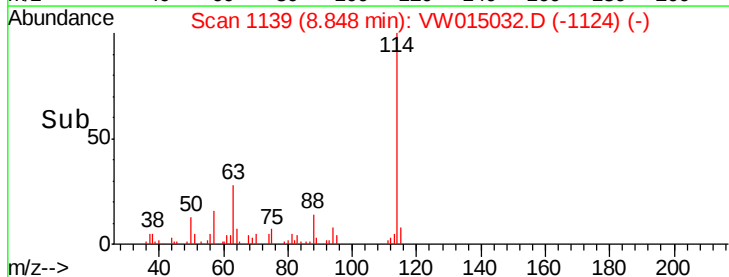
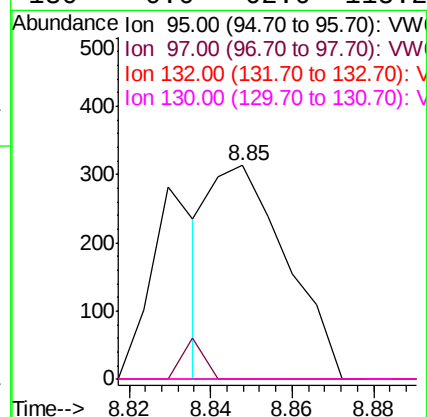
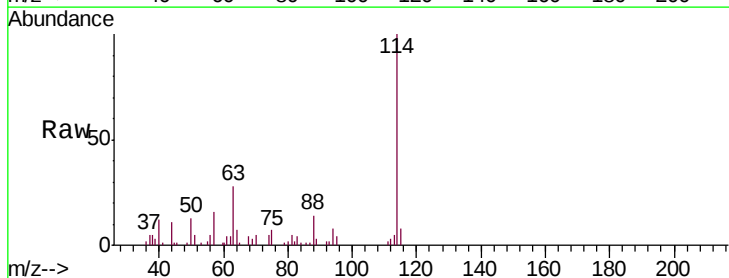
Ion Ratio Lower Upper

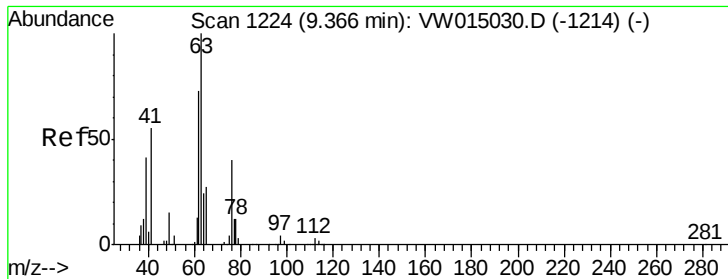
95 100

97 0.0 44.7 83.1#

132 0.0 58.1 107.9#

130 0.0 62.0 115.2#





#40

1,2-Dichloropropane

Concen: 6.954 ug/L

RT: 9.27 min Scan# 1208

Delta R.T. -0.10 min

Lab File: VW015032.D

Acq: 25 Feb 2020 14:37

Instrument :

MSVOA_W

ClientSampleId :

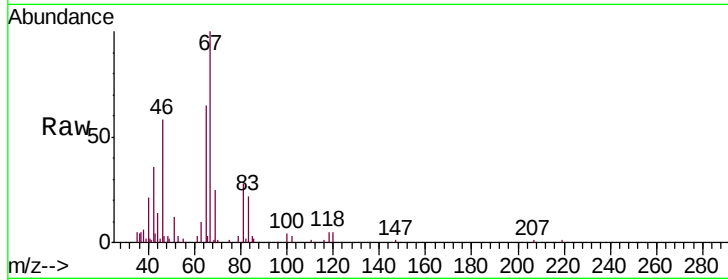
C0CC5RE

Tgt Ion: 63 Resp: 1498

Ion Ratio Lower Upper

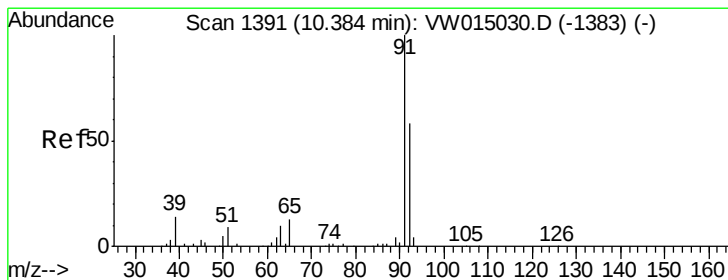
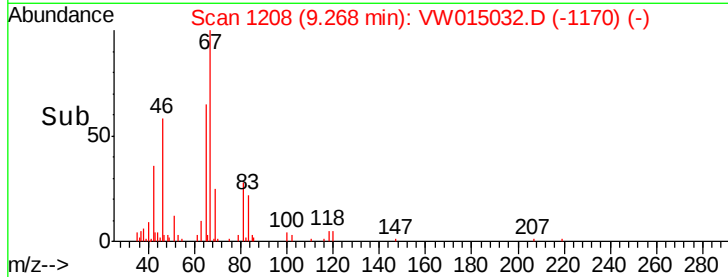
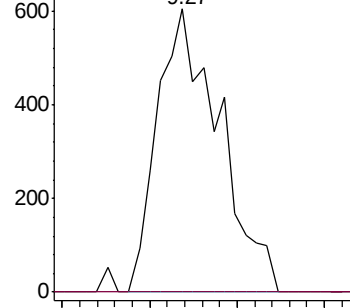
63 100

112 2.9 2.8 4.2



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): VW



#44

Toluene

Concen: 0.681 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015032.D

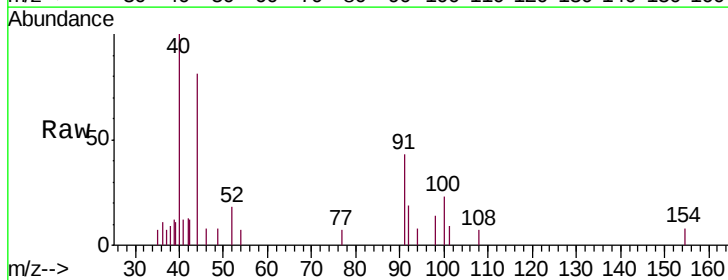
Acq: 25 Feb 2020 14:37

Tgt Ion: 91 Resp: 513

Ion Ratio Lower Upper

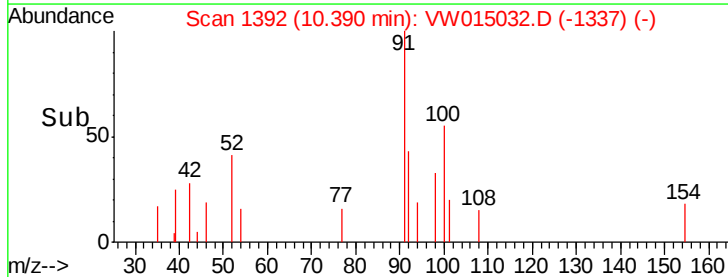
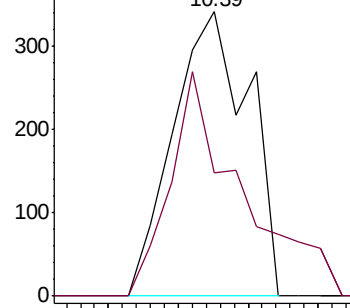
91 100

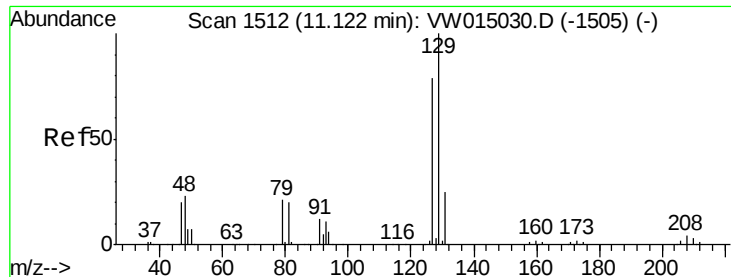
92 43.3 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#50

Dibromochloromethane

Concen: 0.403 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW015032.D

Acq: 25 Feb 2020 14:37

Instrument :

MSVOA_W

ClientSampleId :

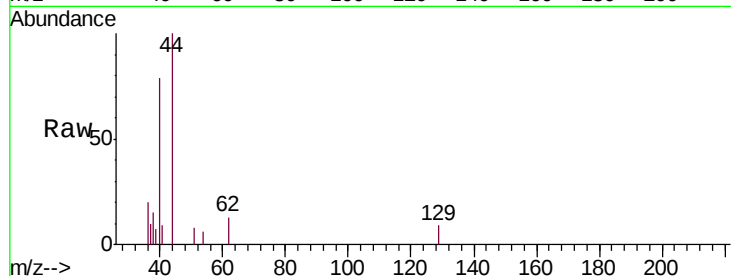
C0CC5RE

Tgt Ion:129 Resp: 52

Ion Ratio Lower Upper

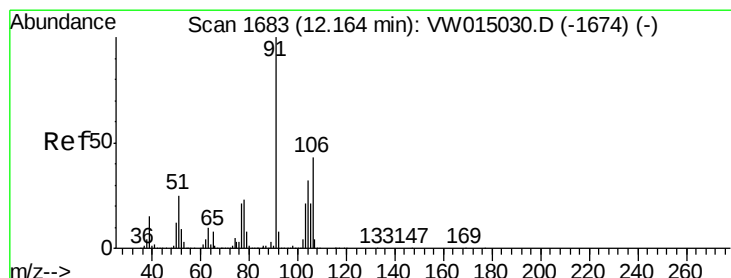
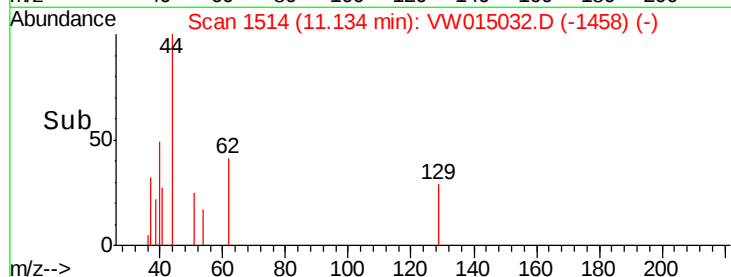
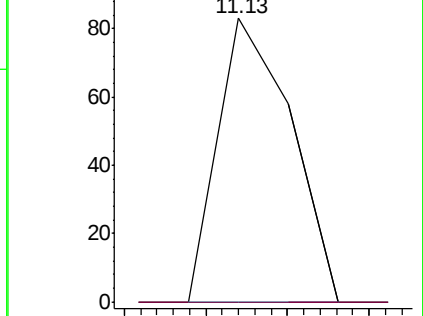
129 100

127 0.0 56.4 104.7#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#55

o-xylene

Concen: 0.309 ug/L

RT: 12.16 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW015032.D

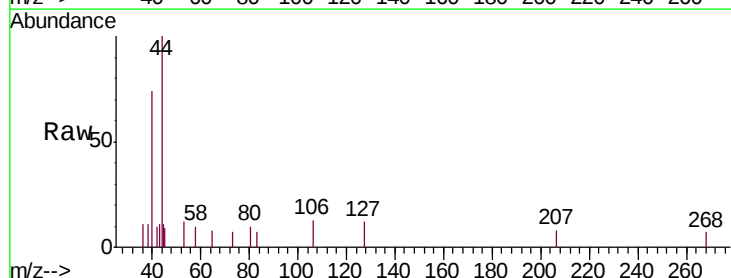
Acq: 25 Feb 2020 14:37

Tgt Ion:106 Resp: 83

Ion Ratio Lower Upper

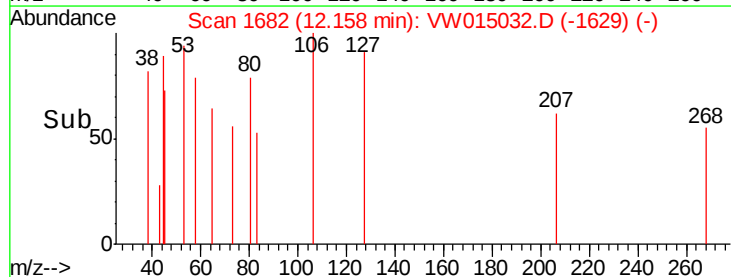
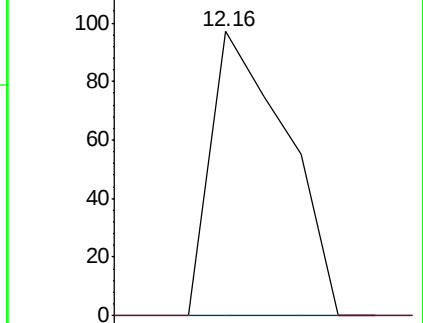
106 100

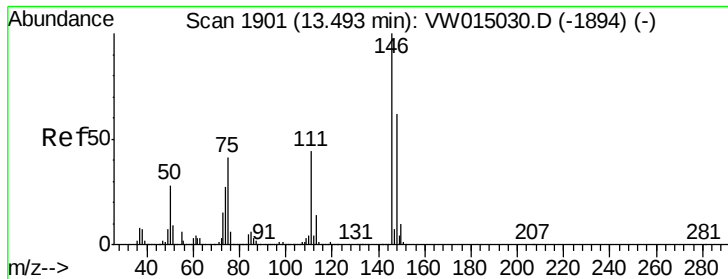
91 0.0 162.5 301.9#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV

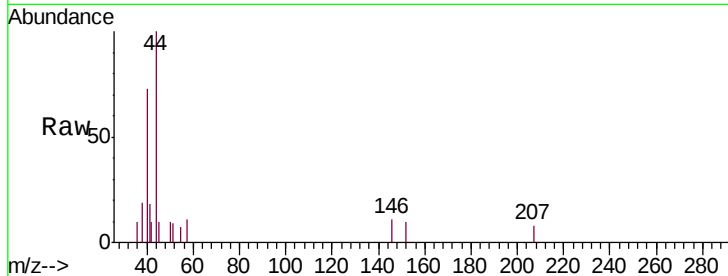




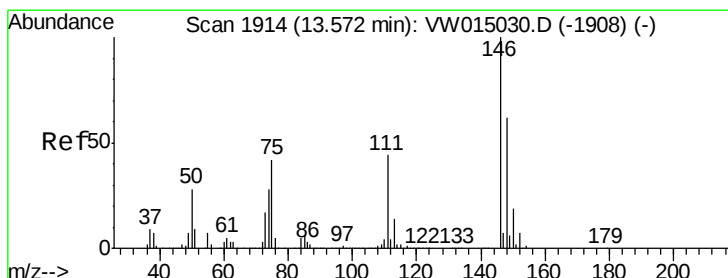
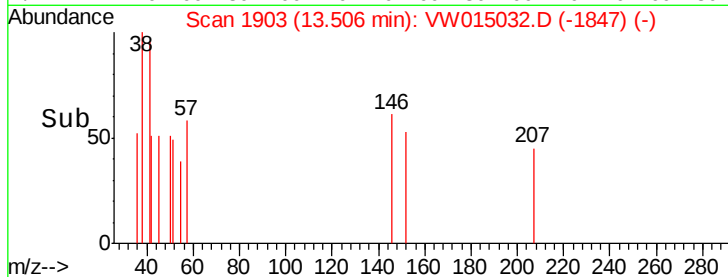
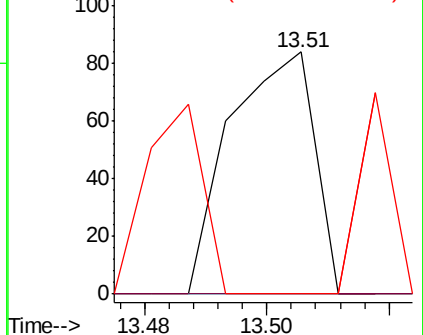
#63
 1,3-Dichlorobenzene
 Concen: 1.029 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW015032.D
 Acq: 25 Feb 2020 14:37

Instrument :
 MSVOA_W
 ClientSampleId :
 C0CC5RE

Tgt Ion:146 Resp: 80
 Ion Ratio Lower Upper
 146 100
 111 0.0 30.9 57.3#
 148 0.0 44.6 82.8#

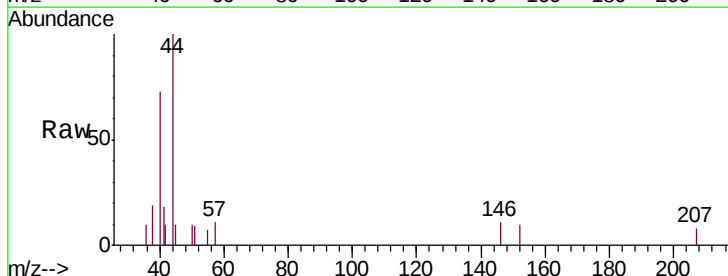


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

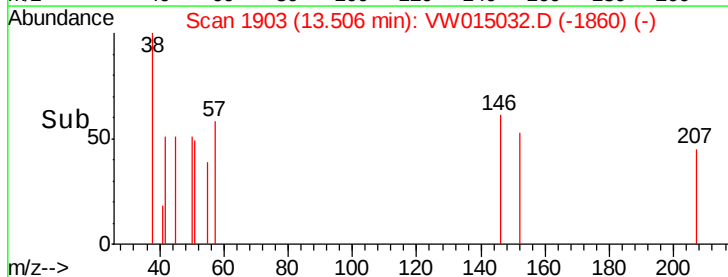
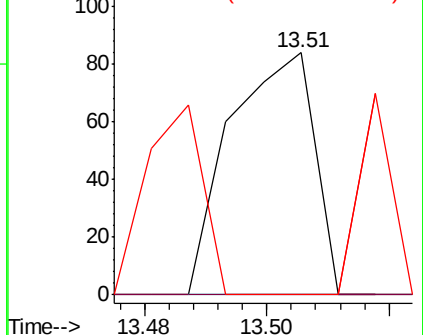


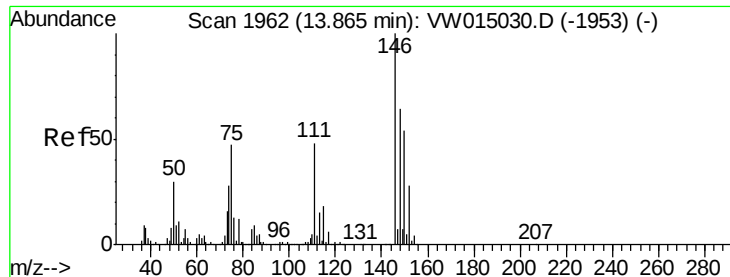
#64
 1,4-Dichlorobenzene
 Concen: 0.999 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.07 min
 Lab File: VW015032.D
 Acq: 25 Feb 2020 14:37

Tgt Ion:146 Resp: 80
 Ion Ratio Lower Upper
 146 100
 111 0.0 29.9 55.5#
 148 0.0 46.1 85.5#



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

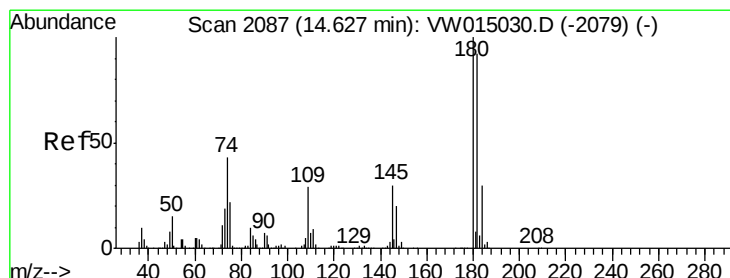
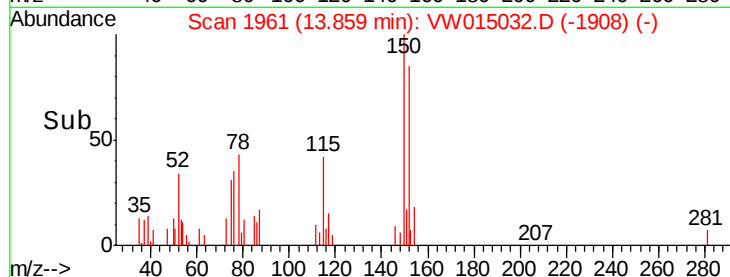
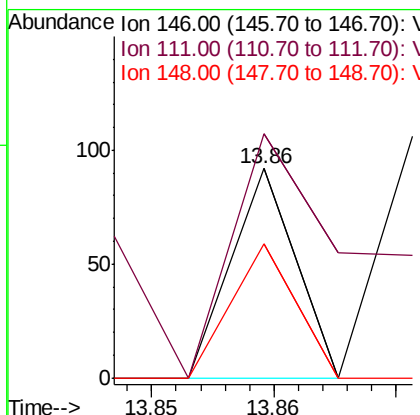
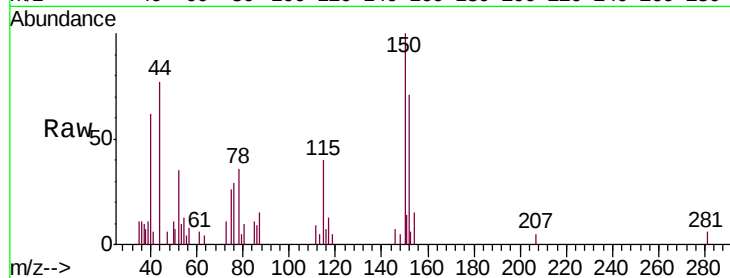




#65
 1,2-Dichlorobenzene
 Concen: 0.483 ug/L
 RT: 13.86 min Scan# 1961
 Delta R.T. -0.01 min
 Lab File: VW015032.D
 Acq: 25 Feb 2020 14:37

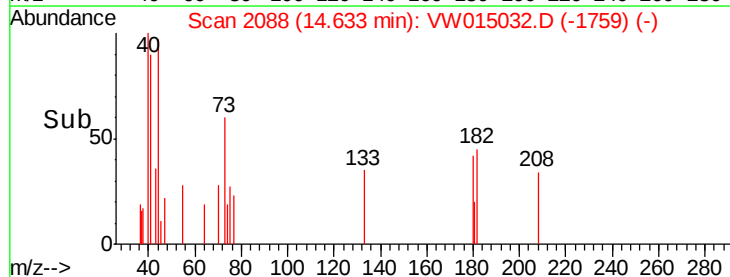
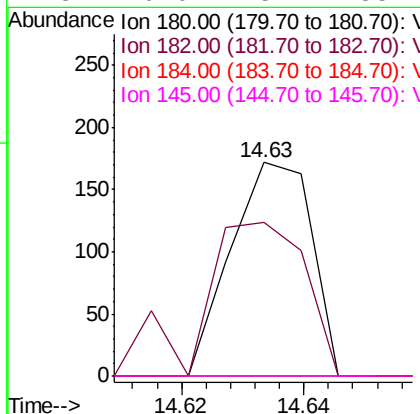
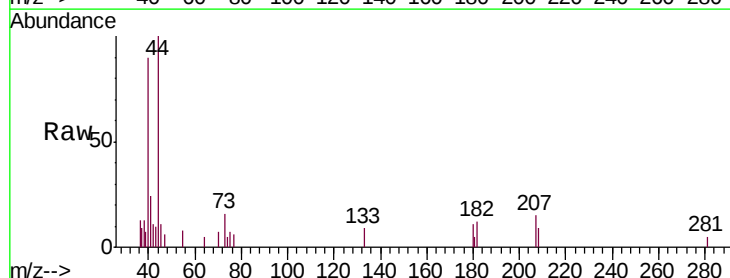
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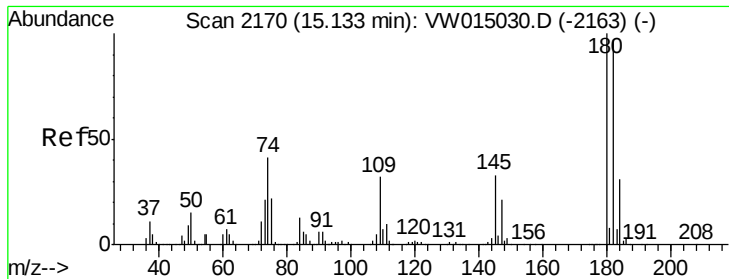
Tgt Ion:146 Resp: 34
 Ion Ratio Lower Upper
 146 100
 111 116.3 37.7 56.5#
 148 64.1 50.0 75.0



#67
 1,3,5-Trichlorobenzene
 Concen: 2.992 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW015032.D
 Acq: 25 Feb 2020 14:37

Tgt Ion:180 Resp: 156
 Ion Ratio Lower Upper
 180 100
 182 80.8 75.4 113.0
 184 0.0 23.9 35.9#
 145 0.0 25.4 38.2#

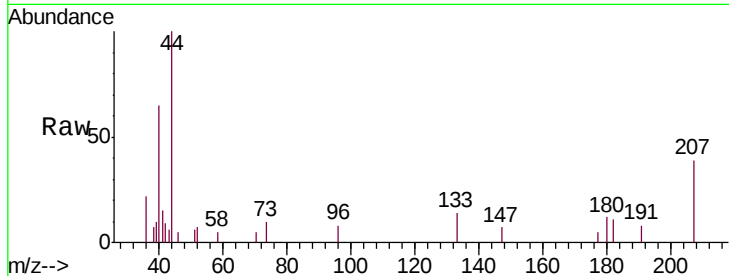




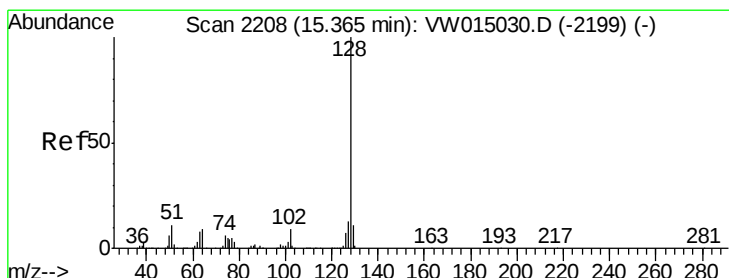
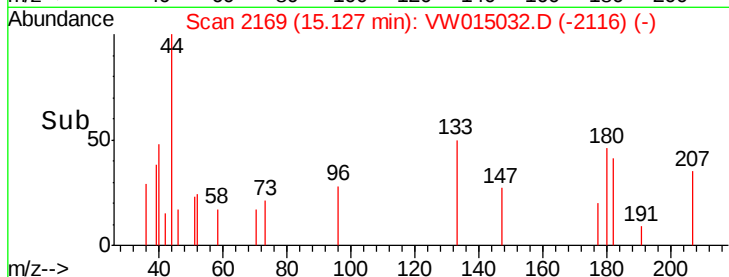
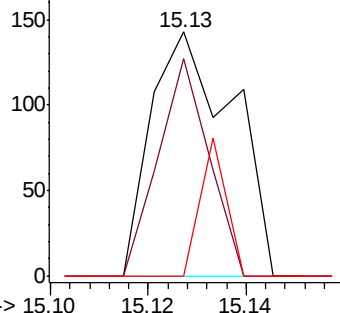
#68
1,2,4-trichlorobenzene
Concen: 4.356 ug/L
RT: 15.13 min Scan# 2169
Delta R.T. -0.01 min
Lab File: VW015032.D
Acq: 25 Feb 2020 14:37

Instrument :
MSVOA_W
ClientSampleId :
C0CC5RE

Tgt Ion:180 Resp: 166
Ion Ratio Lower Upper
180 100
182 54.8 75.7 113.5#
145 24.7 25.9 38.9#

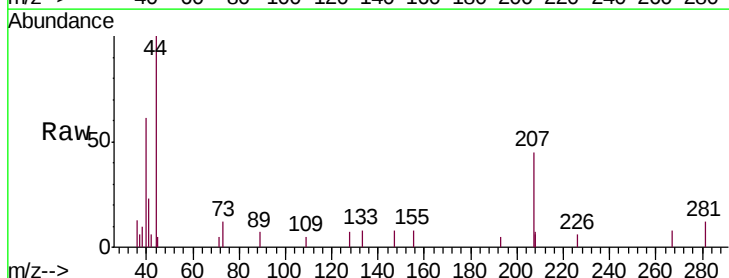


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

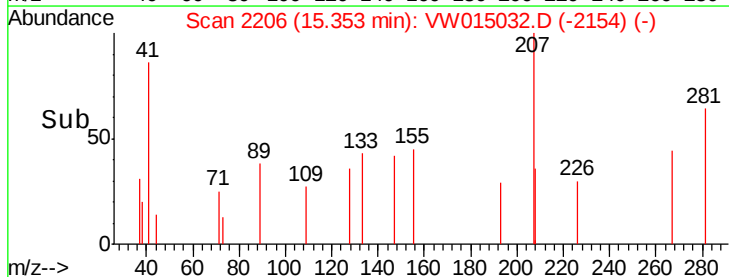
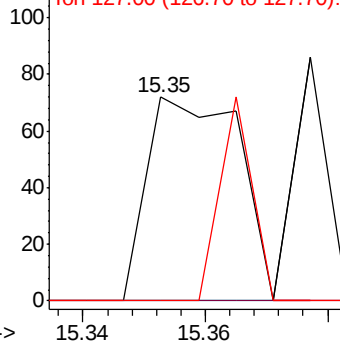


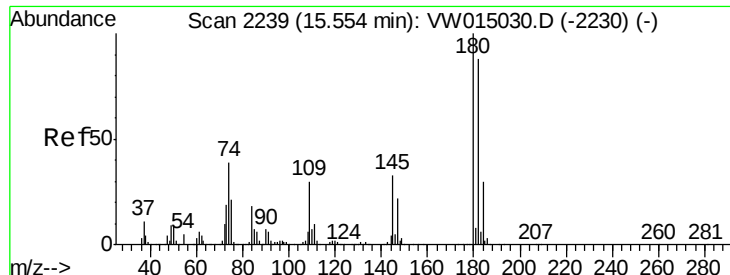
#69
Naphthalene
Concen: 2.217 ug/L
RT: 15.35 min Scan# 2206
Delta R.T. -0.01 min
Lab File: VW015032.D
Acq: 25 Feb 2020 14:37

Tgt Ion:128 Resp: 75
Ion Ratio Lower Upper
128 100
129 0.0 8.9 13.3#
127 0.0 11.1 16.7#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

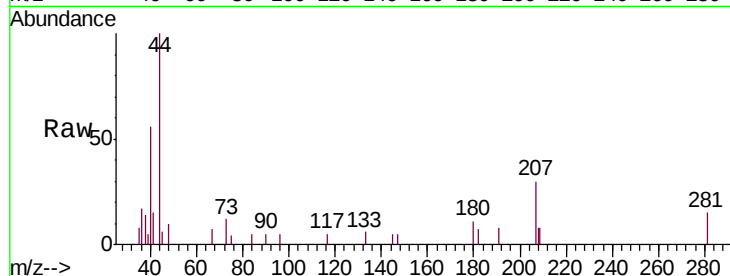




#70
 1,2,3-Trichlorobenzene
 Concen: 2.076 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW015032.D
 Acq: 25 Feb 2020 14:37

Instrument :
 MSVOA_W
 ClientSampleId :
 C0CC5RE

Tgt Ion	Ratio	Lower	Upper
180	100		
182	152.1	75.8	113.6#
145	77.5	27.1	40.7#

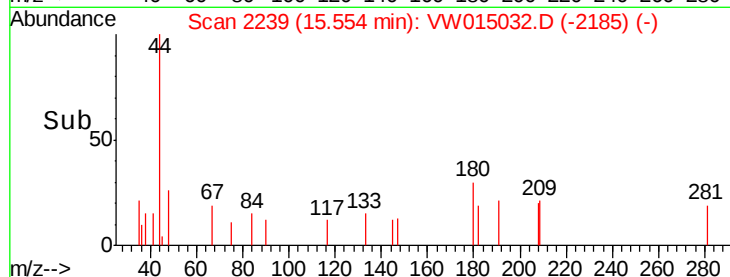
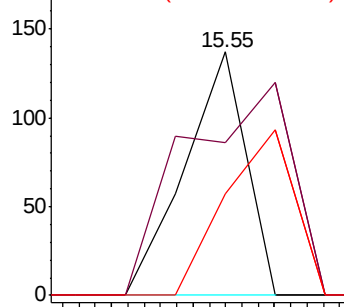


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->