

Data File : VW013792.D
Acq On : 29 Oct 2019 14:42
Operator : SY/VA
Sample : K5535-09
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK31

Quant Time: Oct 30 07:02:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 30 06:58:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	351410	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	320438	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	137314	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	105744	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.12%
7) Chloroethane-d5	2.89	69	85792	21.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.28%
10) 1,1-Dichloroethene-d2	4.03	63	159518	16.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.00%
20) 2-Butanone-d5	7.07	46	65633	42.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.12%
24) Chloroform-d	7.65	84	221083	22.48	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.92%
26) 1,2-Dichloroethane-d4	8.31	65	119065	23.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.64%
29) Benzene-d6	8.27	84	471645	24.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.00%
33) 1,2-Dichloropropane-d6	9.27	67	141081	24.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.16%
37) Toluene-d8	10.32	98	424485	23.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.64%
38) trans-1,3-Dichloropropene-	10.58	79	57658	22.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.92%
39) 2-Hexanone-d5	10.92	63	52248	47.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	107101	22.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	110166	22.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.80%

Target Compounds

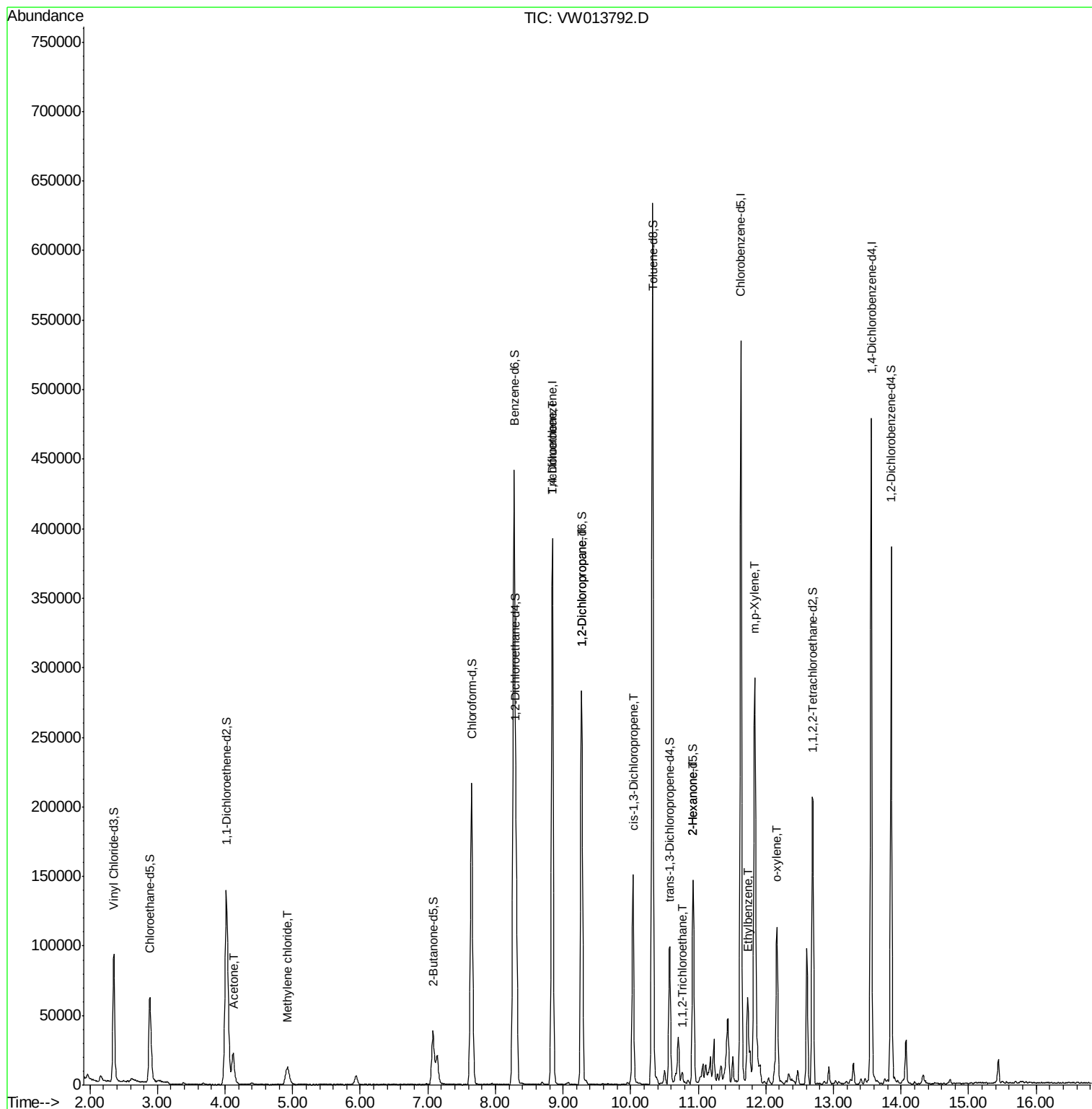
						Qvalue
13) Acetone	4.12	43	38684	22.602	ug/L	97
16) Methylene chloride	4.93	84	13336	1.982	ug/L	83
35) Trichloroethene	8.84	95	10192	1.728	ug/L #	2
40) 1,2-Dichloropropane	9.27	63	15490	2.755	ug/L #	86
42) cis-1,3-Dichloropropene	10.03	75	3172	0.357	ug/L #	74
46) 1,1,2-Trichloroethane	10.76	97	3175	0.732	ug/L #	21
49) 2-Hexanone	10.93	43	9117	3.351	ug/L #	51
53) Ethylbenzene	11.73	91	41806	1.532	ug/L	98
54) m,p-Xylene	11.83	106	85756	8.131	ug/L	97
55) o-xylene	12.16	106	30189	3.016	ug/L	97

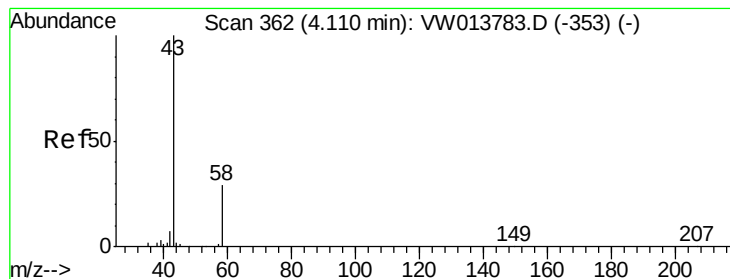
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 22.602 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013792.D

Acq: 29 Oct 2019 14:42

Instrument :

MSVOA_W

ClientSampled :

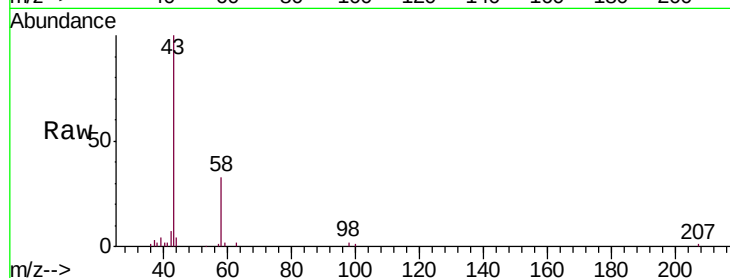
BEK31

Tgt Ion: 43 Resp: 38684

Ion Ratio Lower Upper

43 100

58 33.4 0.0 70.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

15000

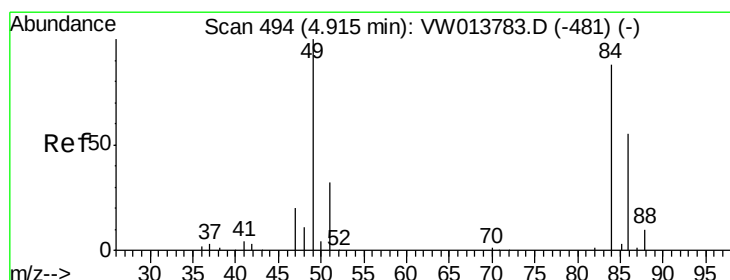
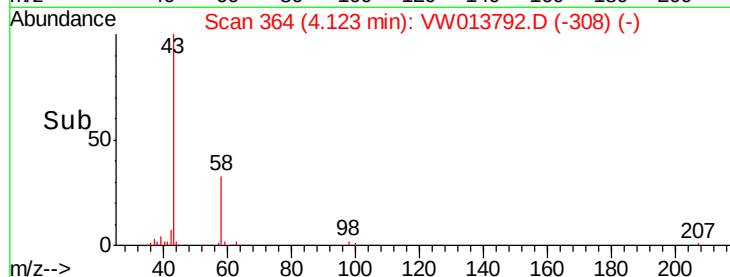
10000

5000

0

4.05 4.10 4.15 4.20 4.25

Time-->



#16

Methylene chloride

Concen: 1.982 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW013792.D

Acq: 29 Oct 2019 14:42

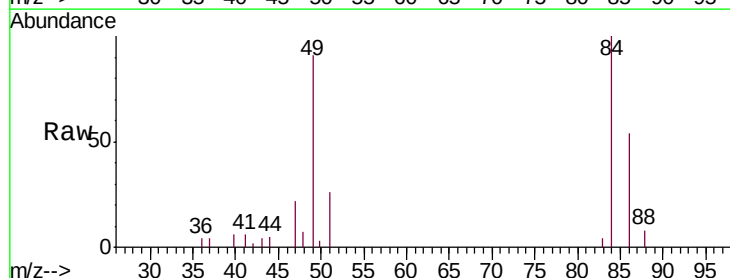
Tgt Ion: 84 Resp: 13336

Ion Ratio Lower Upper

84 100

49 91.1 80.2 148.9

86 53.9 42.7 79.3



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

5000

4000

3000

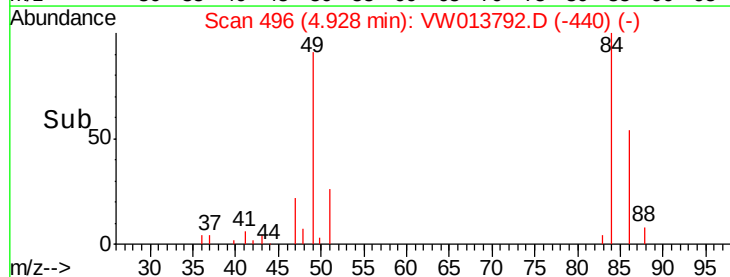
2000

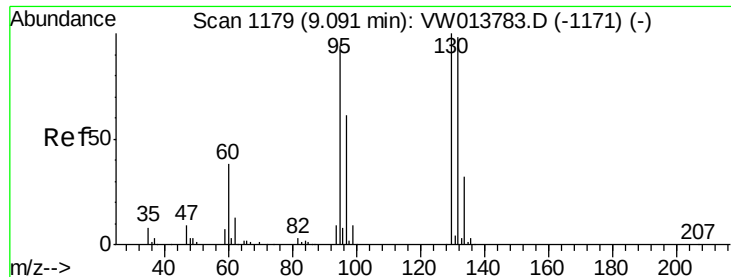
1000

0

4.80 4.90 5.00

Time-->





#35

Trichloroethene

Concen: 1.728 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW013792.D

Acq: 29 Oct 2019 14:42

Instrument :

MSVOA_W

ClientSampleId :

BEK31

Tgt Ion: 95 Resp: 10192

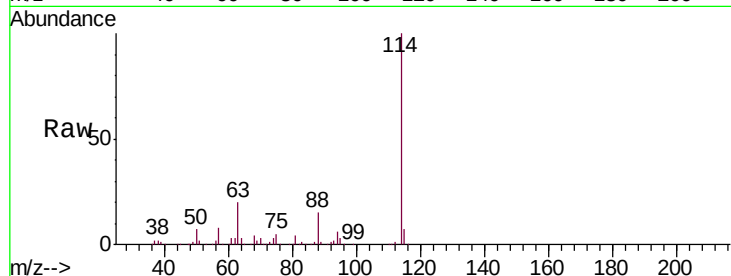
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.2#

132 0.0 74.3 138.1#

130 0.0 76.6 142.3#

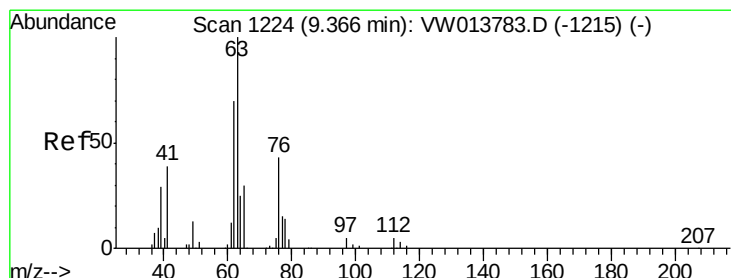
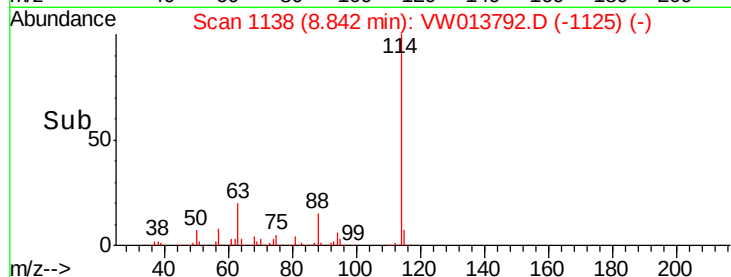
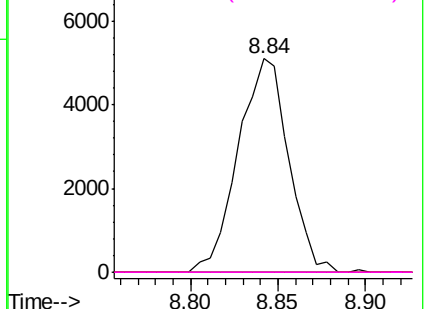


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#40

1,2-Dichloropropane

Concen: 2.755 ug/L

RT: 9.27 min Scan# 1208

Delta R.T. -0.10 min

Lab File: VW013792.D

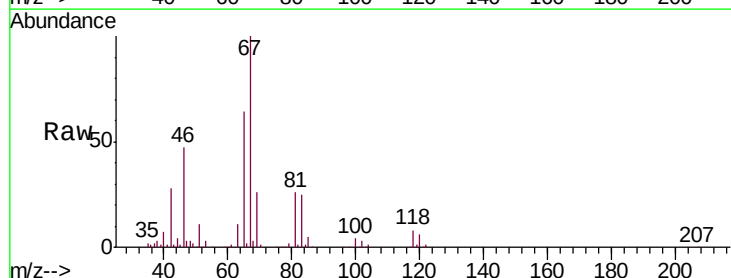
Acq: 29 Oct 2019 14:42

Tgt Ion: 63 Resp: 15490

Ion Ratio Lower Upper

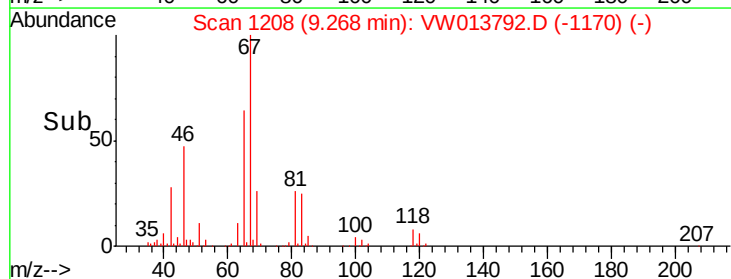
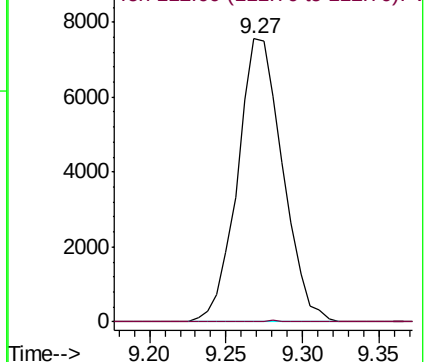
63 100

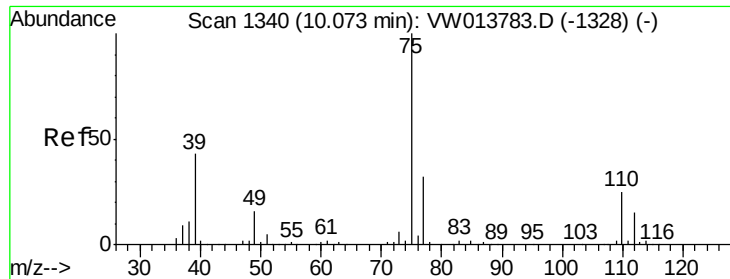
112 0.3 3.9 5.9#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.357 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW013792.D

Acq: 29 Oct 2019 14:42

Instrument :

MSVOA_W

ClientSampled :

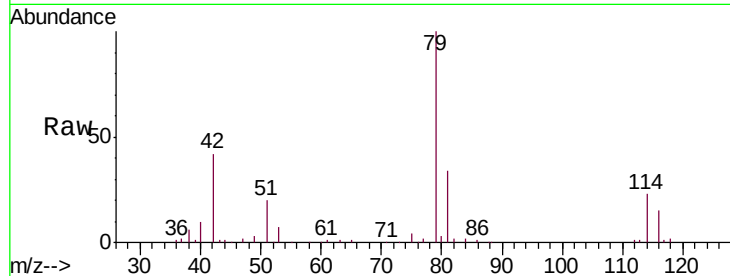
BEK31

Tgt Ion: 75 Resp: 3172

Ion Ratio Lower Upper

75 100

77 47.0 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.03

1500

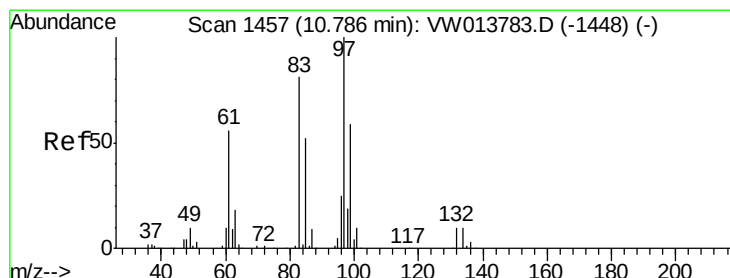
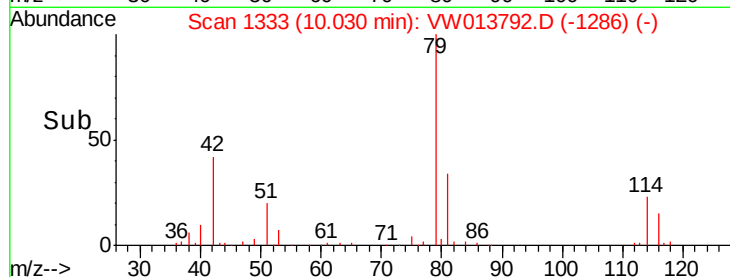
1000

500

0

10.00 10.05

Time-->



#46

1,1,2-Trichloroethane

Concen: 0.732 ug/L

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW013792.D

Acq: 29 Oct 2019 14:42

Tgt Ion: 97 Resp: 3175

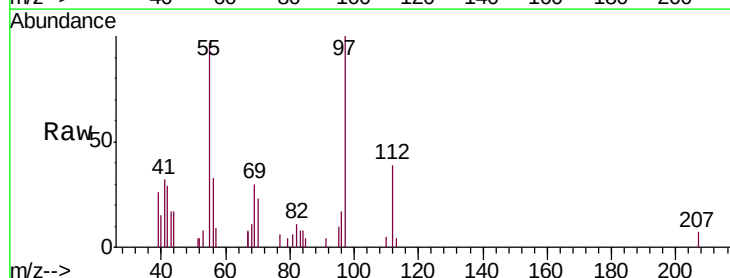
Ion Ratio Lower Upper

97 100

83 8.2 57.7 107.3#

85 4.1 38.6 71.6#

99 0.0 44.7 82.9#



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

10.76

1500

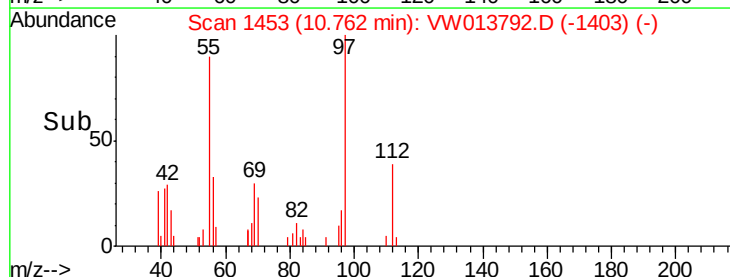
1000

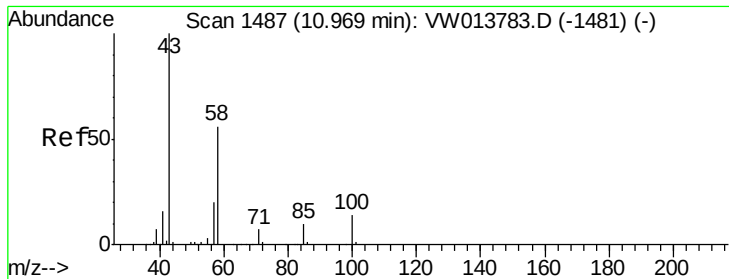
500

0

10.70 10.75 10.80

Time-->

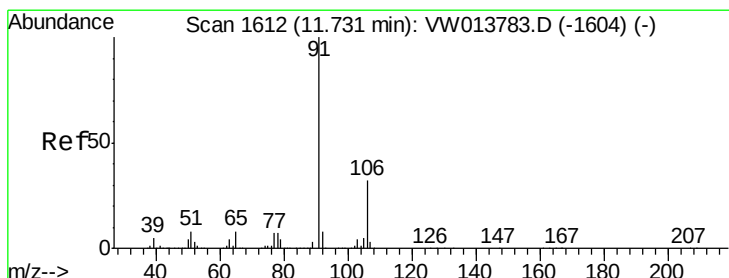
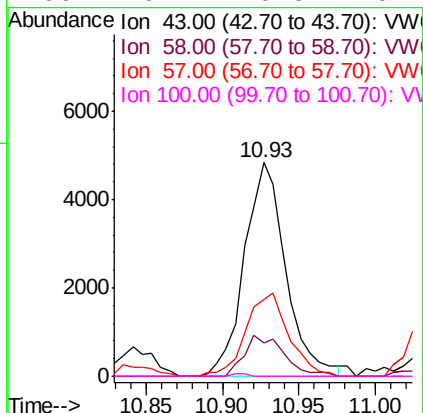
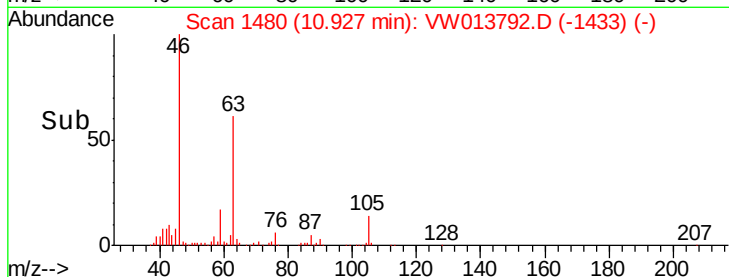
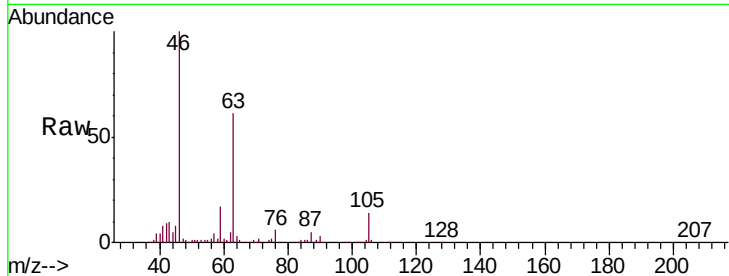




#49
2-Hexanone
Concen: 3.351 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW013792.D
Acq: 29 Oct 2019 14:42

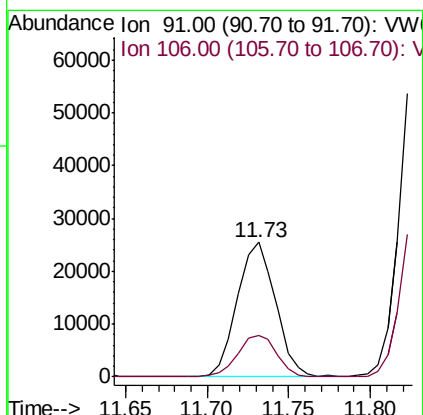
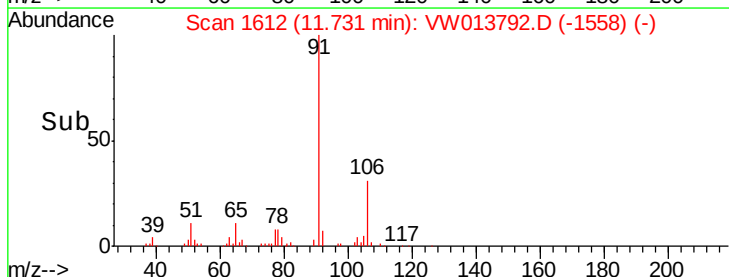
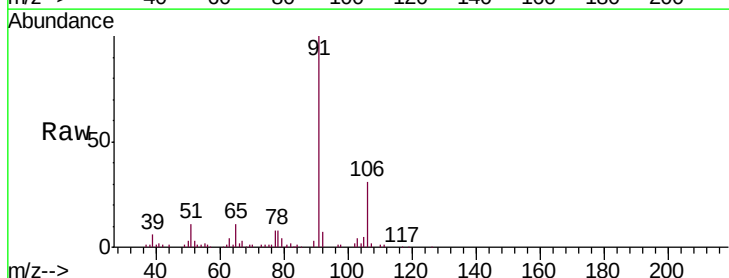
Instrument :
MSVOA_W
ClientSampled :
BEK31

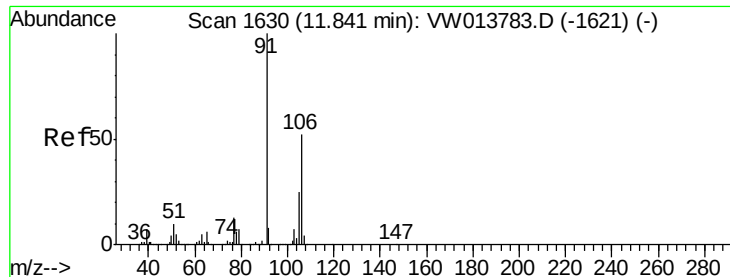
Tgt Ion: 43 Resp: 9117
Ion Ratio Lower Upper
43 100
58 17.5 45.8 68.6#
57 40.2 15.4 23.2#
100 0.4 10.8 16.2#



#53
Ethylbenzene
Concen: 1.532 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013792.D
Acq: 29 Oct 2019 14:42

Tgt Ion: 91 Resp: 41806
Ion Ratio Lower Upper
91 100
106 30.9 22.3 41.3





#54

m,p-Xylene

Concen: 8.131 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013792.D

Acq: 29 Oct 2019 14:42

Instrument :

MSVOA_W

ClientSampleId :

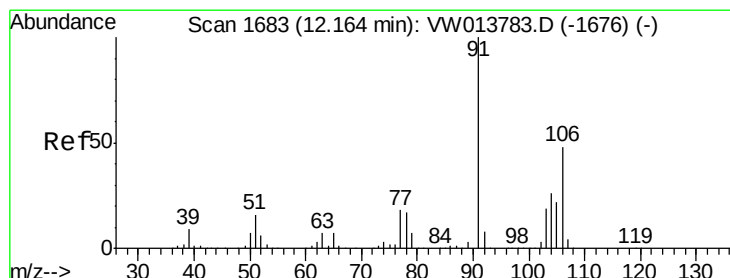
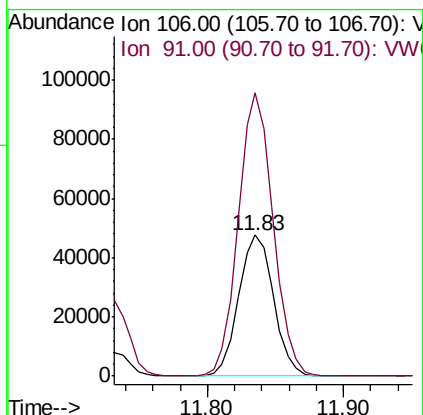
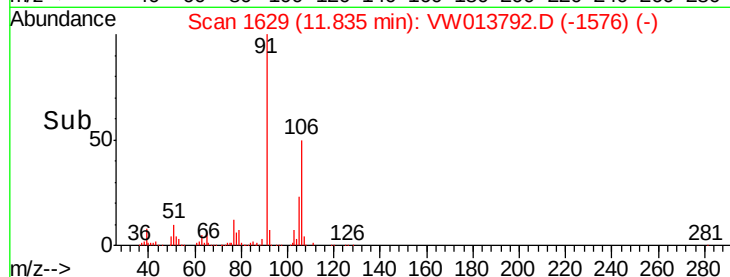
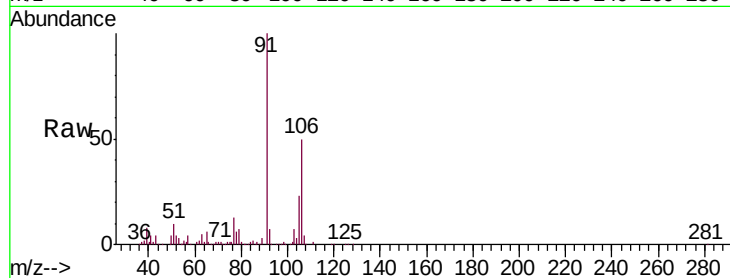
BEK31

Tgt Ion:106 Resp: 85756

Ion Ratio Lower Upper

106 100

91 201.0 137.7 255.7



#55

o-xylene

Concen: 3.016 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW013792.D

Acq: 29 Oct 2019 14:42

Tgt Ion:106 Resp: 30189

Ion Ratio Lower Upper

106 100

91 202.4 144.8 269.0

