

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032619\
 Data File : VW009469.D
 Acq On : 26 Mar 2019 16:18
 Operator : SY/VA
 Sample : K2044-06
 Misc : 5.75G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 27 01:33:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 01:27:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	353715	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	247699	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	56285	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	91854	21.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.92%
7) Chloroethane-d5	2.89	69	100566	20.33	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.32%
10) 1,1-Dichloroethene-d2	4.01	63	147849	16.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.72%
20) 2-Butanone-d5	7.08	46	61188	35.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.00%
24) Chloroform-d	7.64	84	229724	23.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	8.31	65	133953	23.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.16%
29) Benzene-d6	8.27	84	395766	28.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.88%
33) 1,2-Dichloropropane-d6	9.27	67	127256	31.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	124.08%#
37) Toluene-d8	10.32	98	292964	23.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.76%
38) trans-1,3-Dichloropropene-	10.57	79	44056	21.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.52%
39) 2-Hexanone-d5	10.93	63	39695	39.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	87729	21.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	47797	22.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.60%

Target Compounds

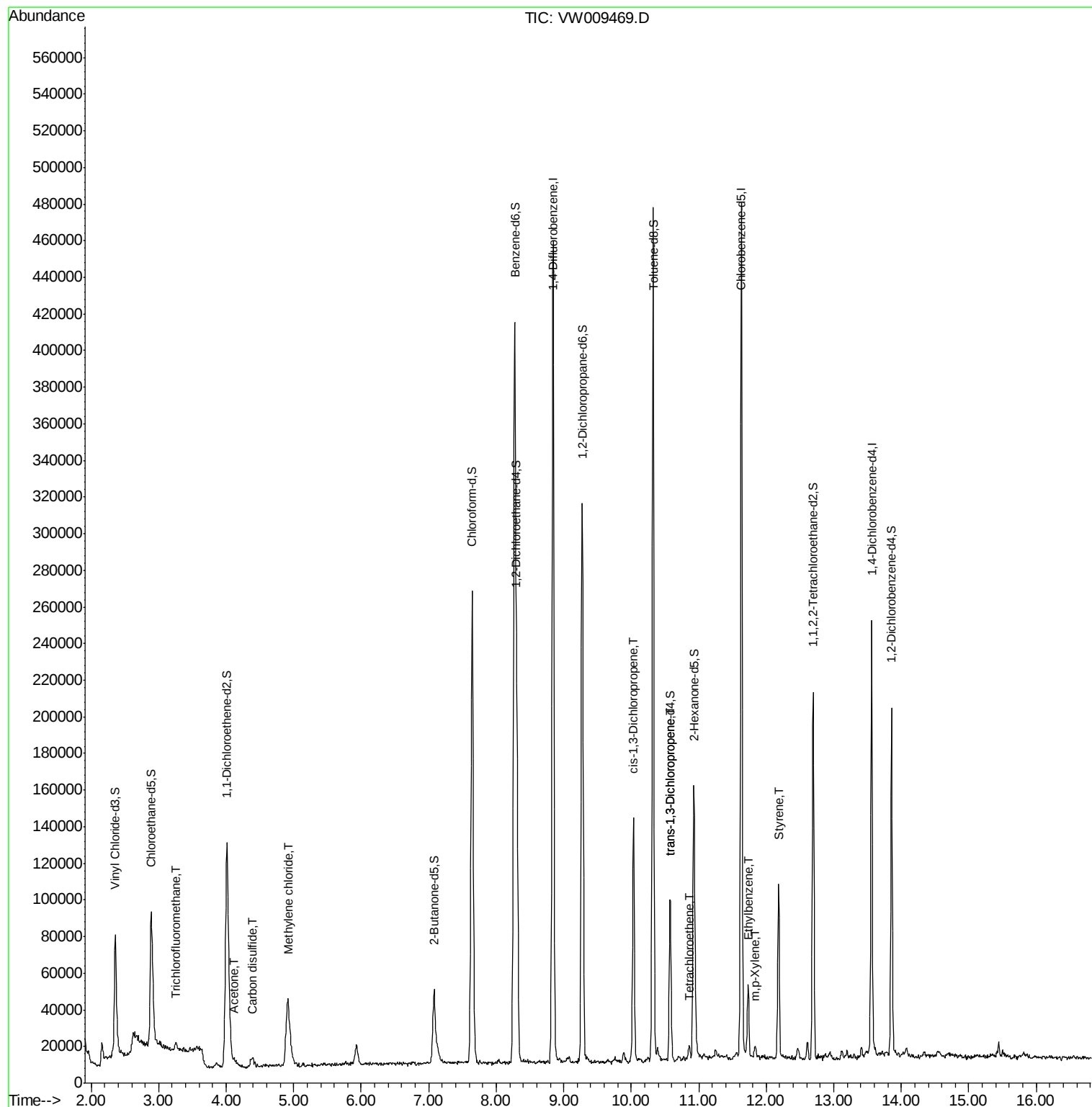
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	3.25	101	3445	0.857	ug/L	78
13) Acetone	4.12	43	4599	3.208	ug/L	82
14) Carbon disulfide	4.38	76	6206	0.529	ug/L #	94
16) Methylene chloride	4.92	84	33882	6.569	ug/L	96
42) cis-1,3-Dichloropropene	10.04	75	4029	0.711	ug/L #	58
45) trans-1,3-Dichloropropene	10.58	75	2566	0.521	ug/L	85
47) Tetrachloroethene	10.86	164	1261	0.413	ug/L	82
53) Ethylbenzene	11.73	91	24921	1.495	ug/L	95
54) m,p-Xylene	11.84	106	1650	0.261	ug/L	77
56) Styrene	12.18	104	40653	3.857	ug/L	97

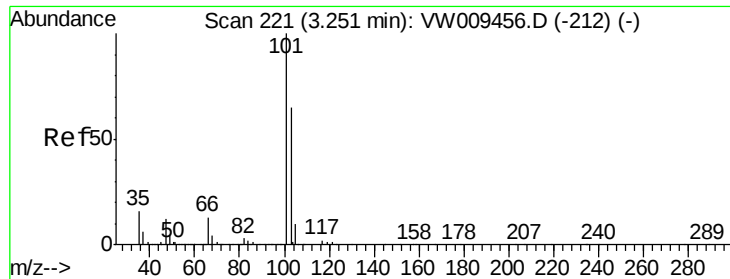
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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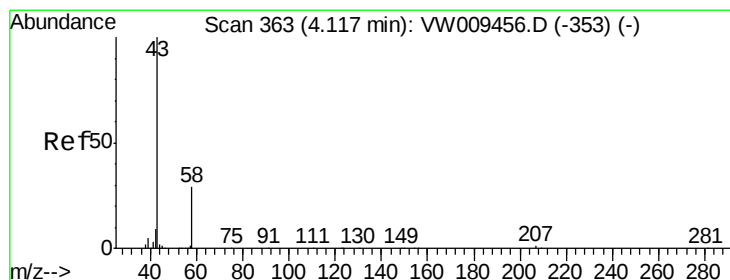
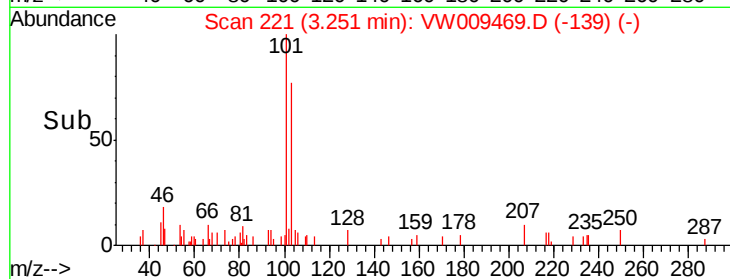
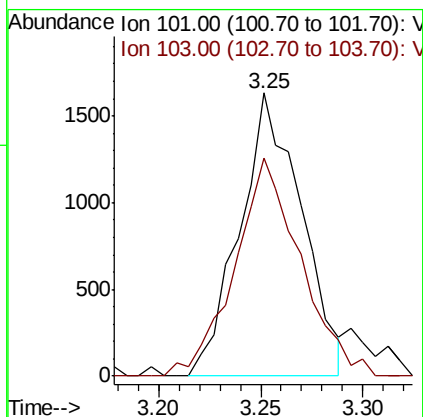
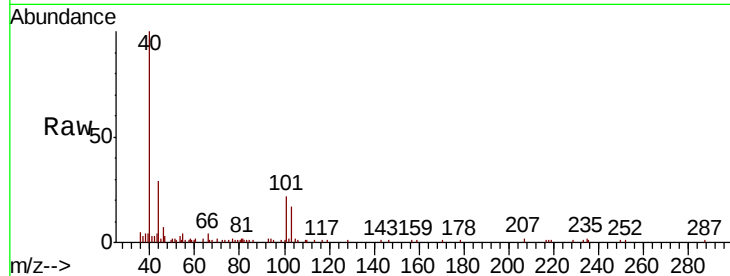


#9

Trichlorofluoromethane
 Concen: 0.857 ug/L
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW009469.D
 Acq: 26 Mar 2019 16:18

Instrument :
 MSVOA_W
 ClientSampled :

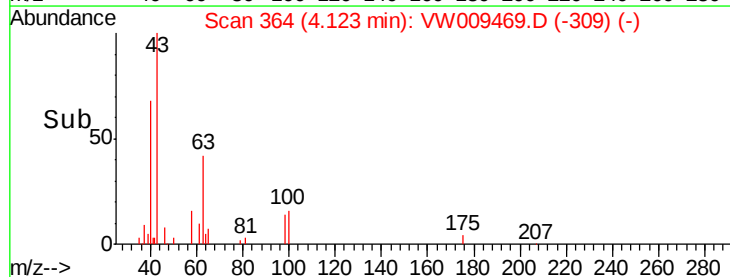
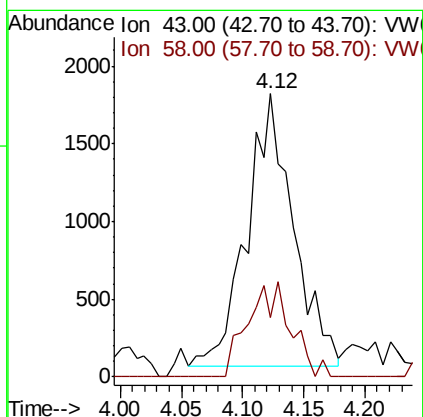
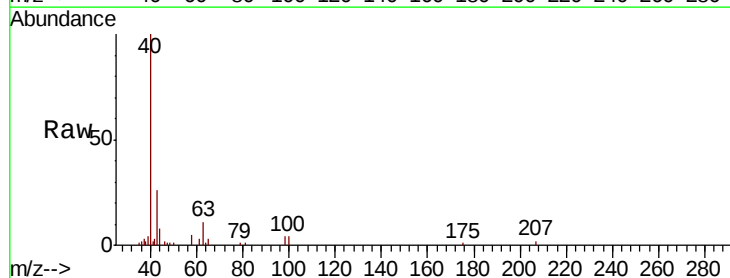
Tot Ion:101 Resp: 3445
 Ion Ratio Lower Upper
 101 100
 103 81.9 45.0 83.6

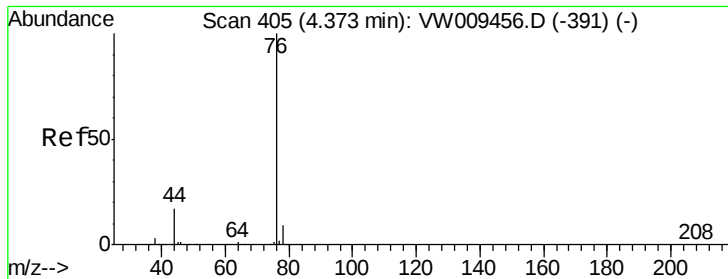


#13

Acetone
 Concen: 3.208 ug/L
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW009469.D
 Acq: 26 Mar 2019 16:18

Tgt Ion: 43 Resp: 4599
 Ion Ratio Lower Upper
 43 100
 58 18.4 0.0 56.2





#14

Carbon disulfide

Concen: 0.529 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW009469.D

Acq: 26 Mar 2019 16:18

Instrument :

MSVOA_W

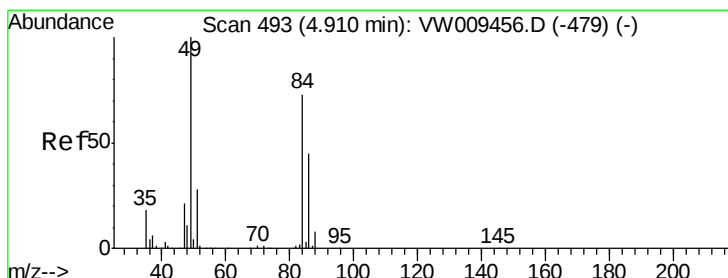
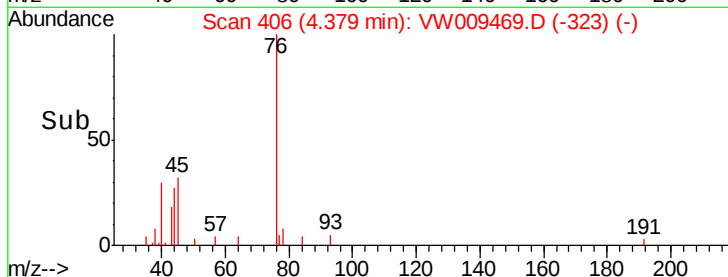
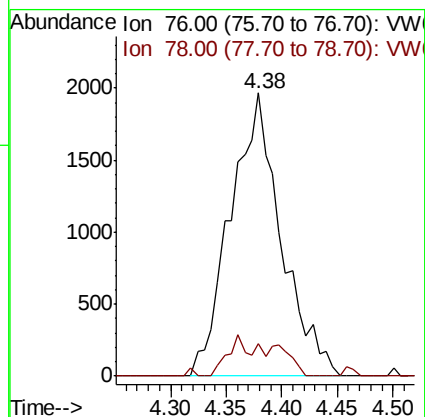
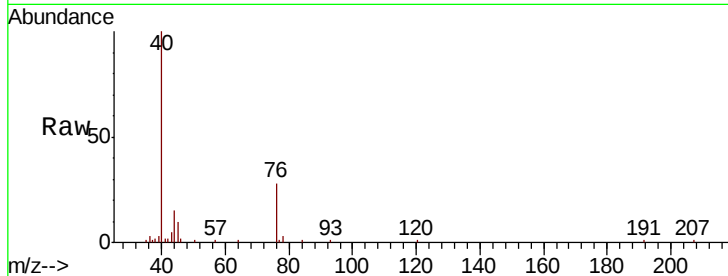
ClientSampleId :

Tot Ion: 76 Resp: 6206

Ion Ratio Lower Upper

76 100

78 11.4 7.3 10.9#



#16

Methylene chloride

Concen: 6.569 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW009469.D

Acq: 26 Mar 2019 16:18

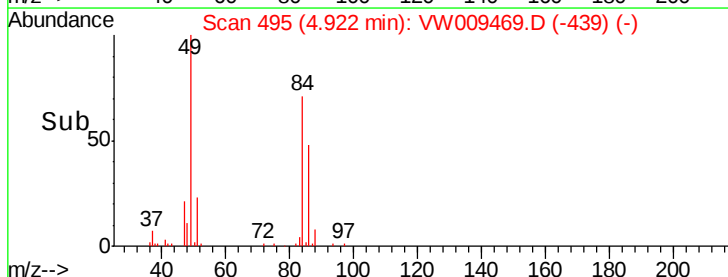
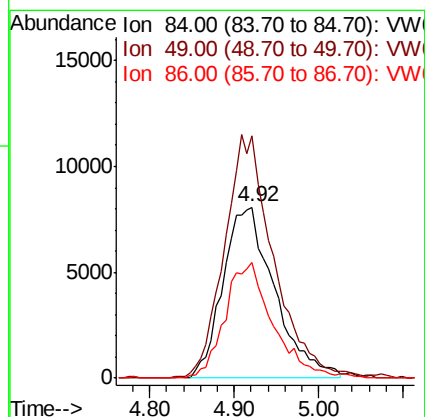
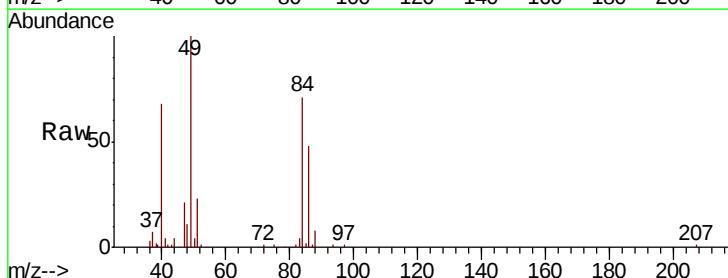
Tgt Ion: 84 Resp: 33882

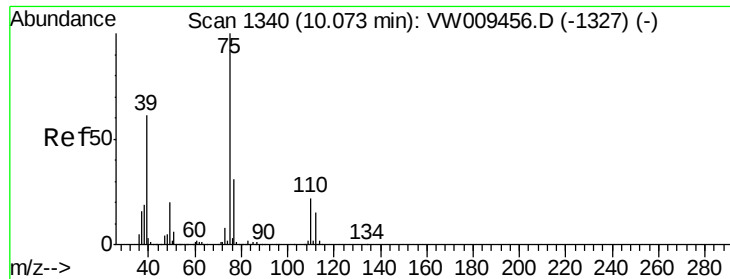
Ion Ratio Lower Upper

84 100

49 141.4 96.0 178.2

86 67.3 44.4 82.5





#42

cis-1,3-Dichloropropene

Concen: 0.711 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009469.D

Acq: 26 Mar 2019 16:18

Instrument :

MSVOA_W

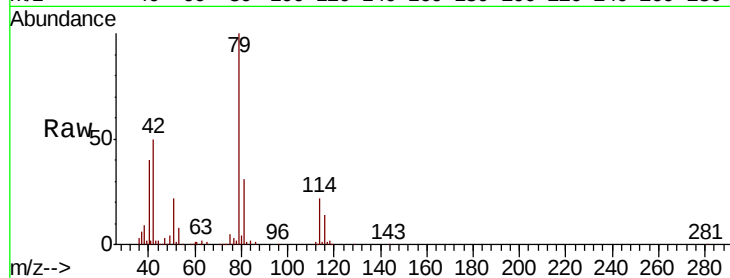
ClientSampled :

Tot Ion: 75 Resp: 4029

Ion Ratio Lower Upper

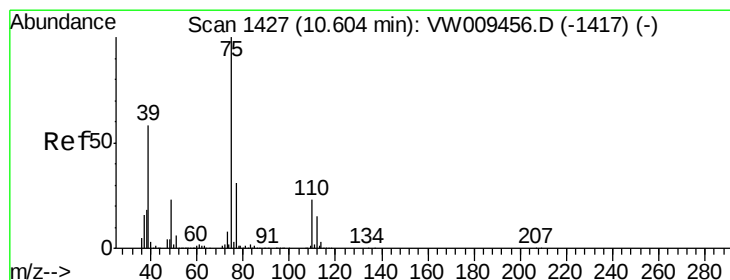
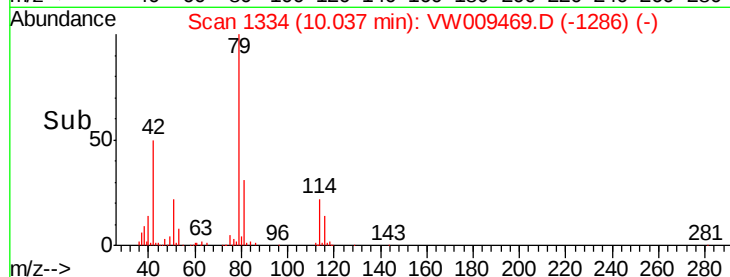
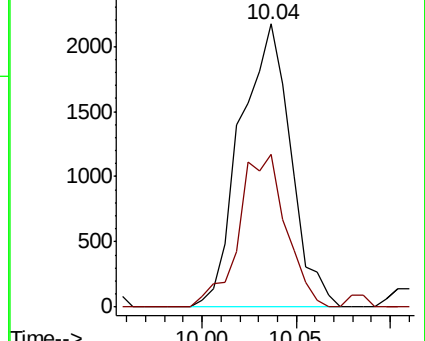
75 100

77 54.1 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#45

trans-1,3-Dichloropropene

Concen: 0.521 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009469.D

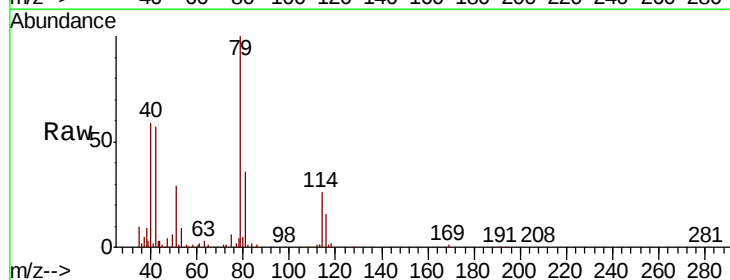
Acq: 26 Mar 2019 16:18

Tgt Ion: 75 Resp: 2566

Ion Ratio Lower Upper

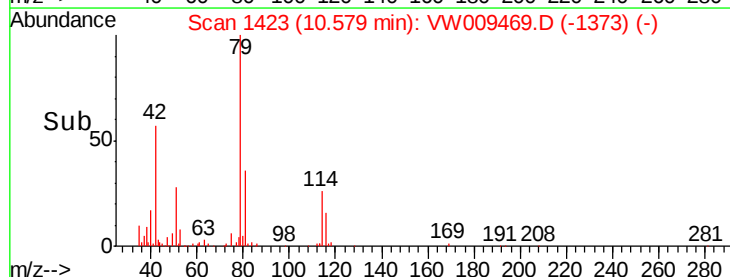
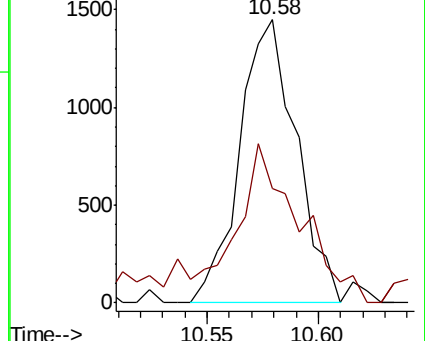
75 100

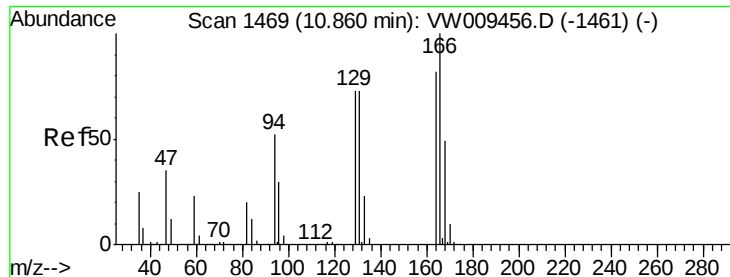
77 40.5 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#47

Tetrachloroethene

Concen: 0.413 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009469.D

Acq: 26 Mar 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 1261

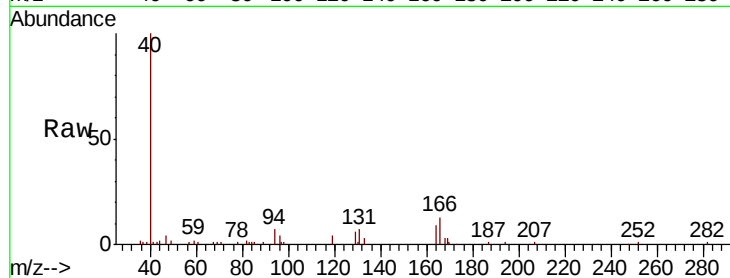
Ion Ratio Lower Upper

164 100

129 70.7 66.5 123.5

131 75.3 62.6 116.3

166 147.4 91.6 170.0

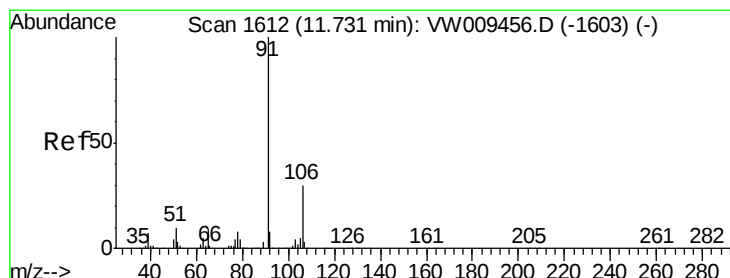
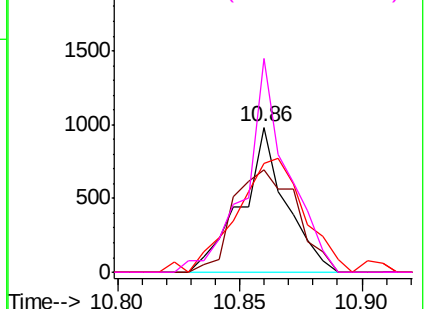
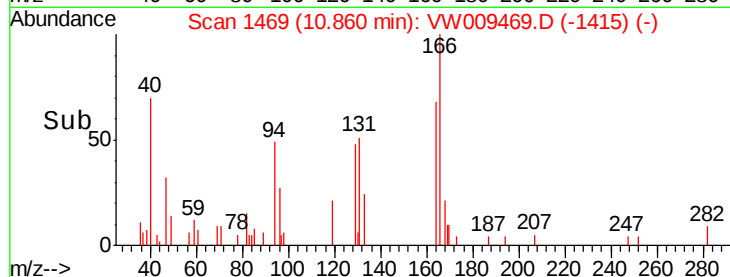


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#53

Ethylbenzene

Concen: 1.495 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009469.D

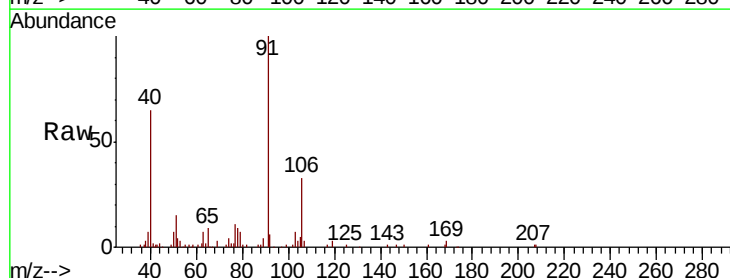
Acq: 26 Mar 2019 16:18

Tgt Ion: 91 Resp: 24921

Ion Ratio Lower Upper

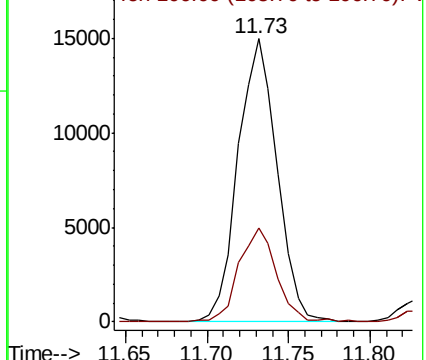
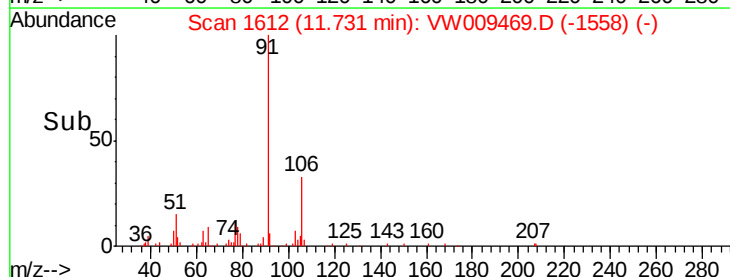
91 100

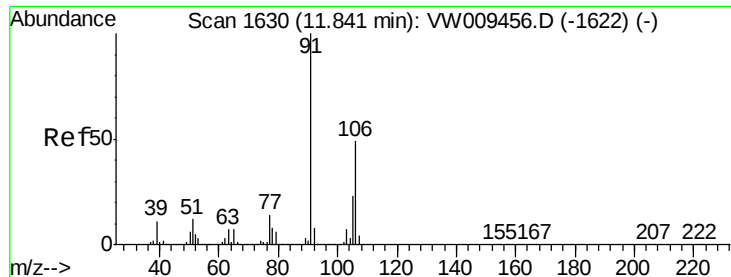
106 33.0 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 0.261 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009469.D

Acq: 26 Mar 2019 16:18

Instrument :

MSVOA_W

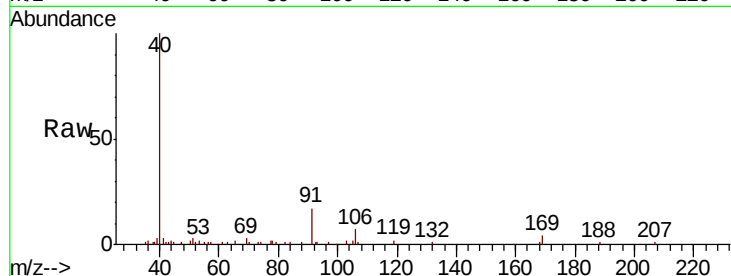
ClientSampled :

Tot Ion:106 Resp: 1650

Ion Ratio Lower Upper

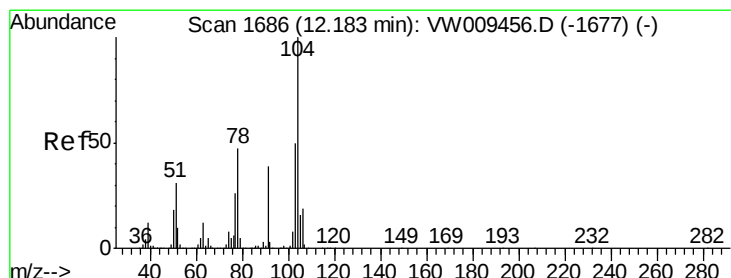
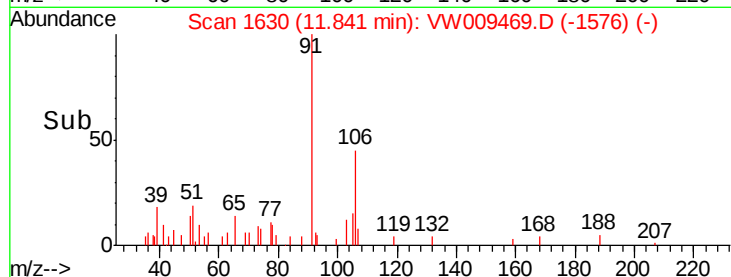
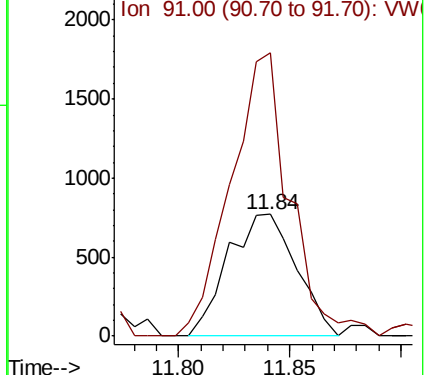
106 100

91 232.0 138.4 257.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 3.857 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009469.D

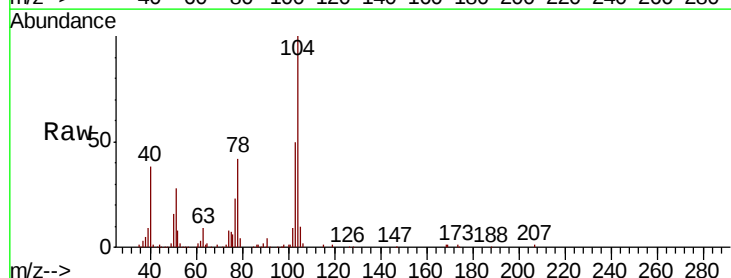
Acq: 26 Mar 2019 16:18

Tgt Ion:104 Resp: 40653

Ion Ratio Lower Upper

104 100

78 42.2 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

