

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121619\
 Data File : VW014366.D
 Acq On : 16 Dec 2019 13:59
 Operator : SY/VA
 Sample : K6270-04RE
 Misc : 5.56G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETK82RE

Manual Integrations
 APPROVED

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 12/18/2019 12:58:33 PM

Quant Time: Dec 17 07:46:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 17 07:27:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	105726	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	68598	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.54	152	34852m	25.00	ug/L	-0.02

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	47335	29.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.28%
7) Chloroethane-d5	2.88	69	41645	34.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	139.92%
10) 1,1-Dichloroethene-d2	4.01	63	57961	20.50	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.00%
20) 2-Butanone-d5	7.08	46	27577	66.10	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	132.20%
24) Chloroform-d	7.65	84	81695	30.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	121.40%
26) 1,2-Dichloroethane-d4	8.30	65	48601m	34.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	137.76%#
29) Benzene-d6	8.27	84	146138	36.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	145.40%#
33) 1,2-Dichloropropane-d6	9.27	67	48690	39.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	157.44%#
37) Toluene-d8	10.32	98	82553	22.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.84%
38) trans-1,3-Dichloropropene-	10.58	79	16268	31.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	125.40%
39) 2-Hexanone-d5	10.92	63	15362	62.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	42344	42.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	168.04%#
61) 1,2-Dichlorobenzene-d4	13.85	152	16357m	12.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	49.12%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	19035	47.322	ug/L	95
16) Methylene chloride	4.92	84	4509	2.782	ug/L	89
30) Cyclohexane	7.96	56	5782	3.377	ug/L	90
34) Benzene	8.32	78	4520m	1.041	ug/L	
36) Methylcyclohexane	9.33	83	3419	1.831	ug/L #	62
44) Toluene	10.39	91	15955	3.504	ug/L	94
47) Tetrachloroethene	10.85	164	932	1.006	ug/L	87
53) Ethylbenzene	11.73	91	8053	1.630	ug/L	97
54) m,p-Xylene	11.83	106	4718	2.482	ug/L	91
55) o-xylene	12.16	106	2835	1.573	ug/L	88

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

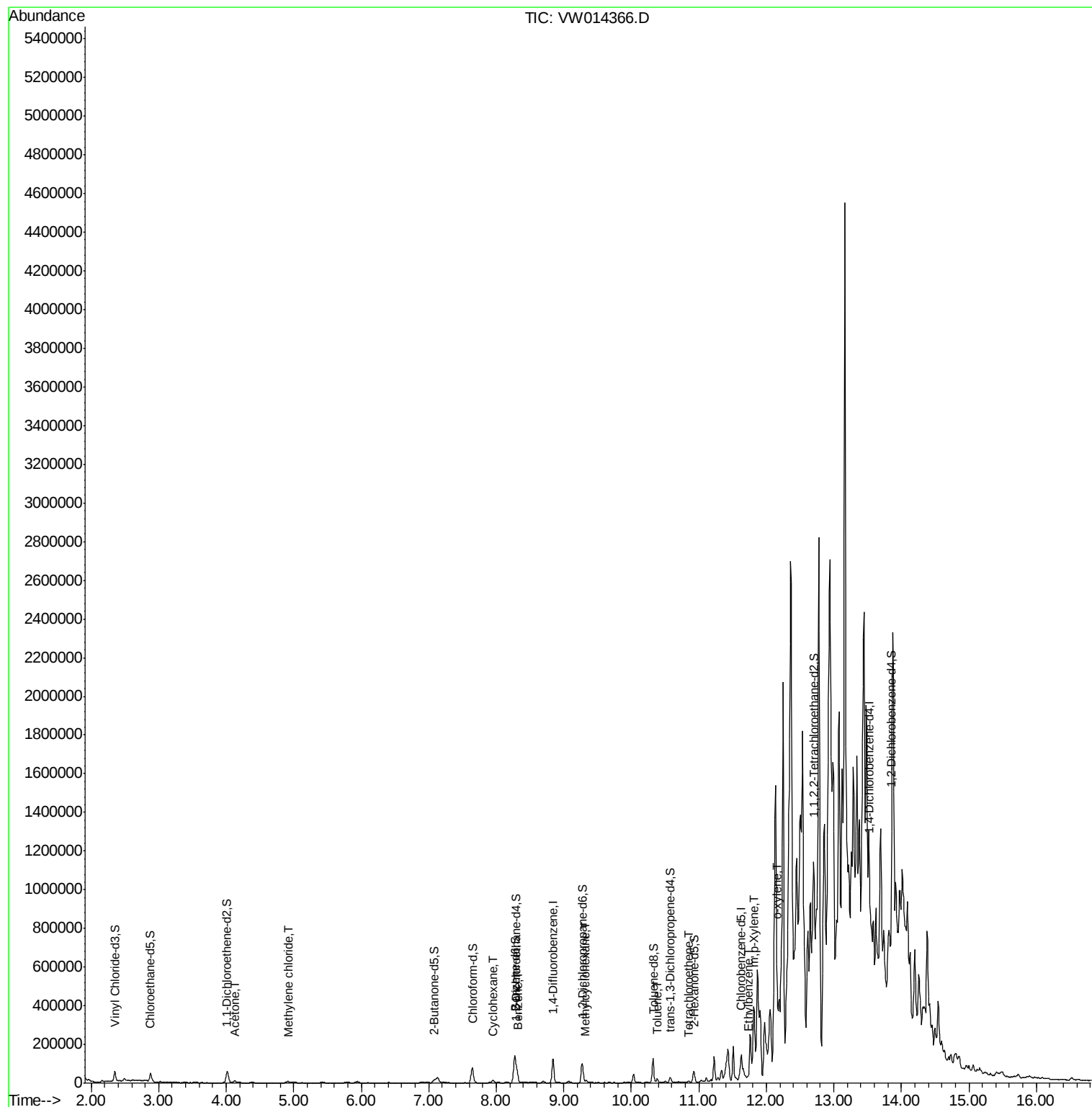
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121619\
Data File : VW014366.D
Acq On : 16 Dec 2019 13:59
Operator : SY/VA
Sample : K6270-04RE
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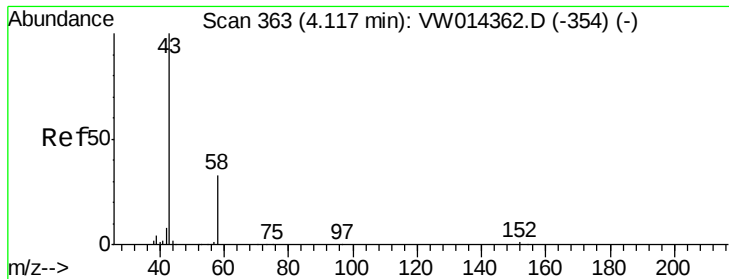
Instrument :
MSVOA_W
ClientSampleId :
ETK82RE

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Quant Time: Dec 17 07:46:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 17 07:27:11 2019
Response via : Initial Calibration





#13

Acetone

Concen: 47.322 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014366.D

Acq: 16 Dec 2019 13:59

Instrument :

MSVOA_W

ClientSampleId :

ETK82RE

Tot Ion: 43 Resp: 19035

Ion Ratio Lower Upper

43 100

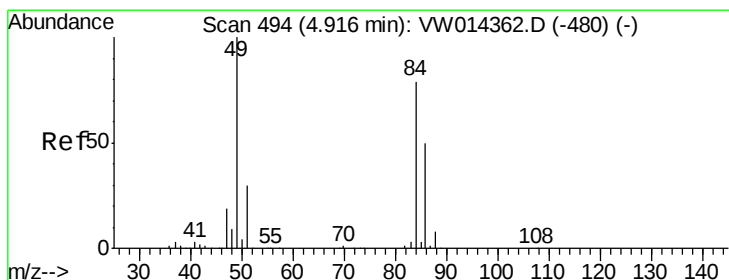
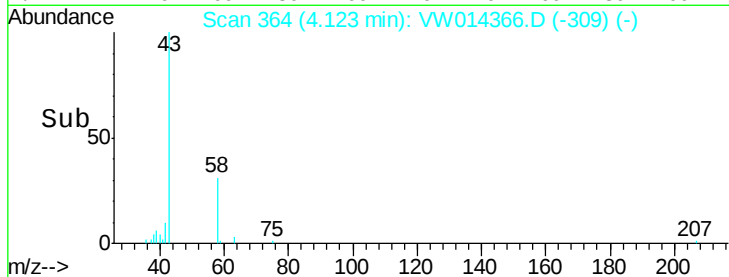
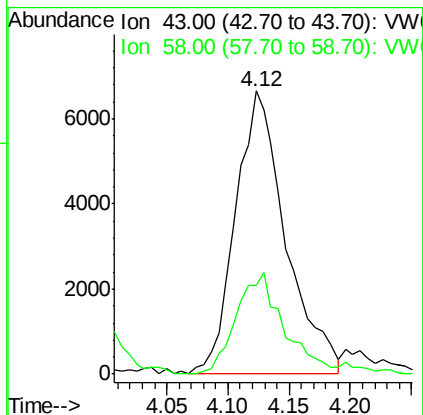
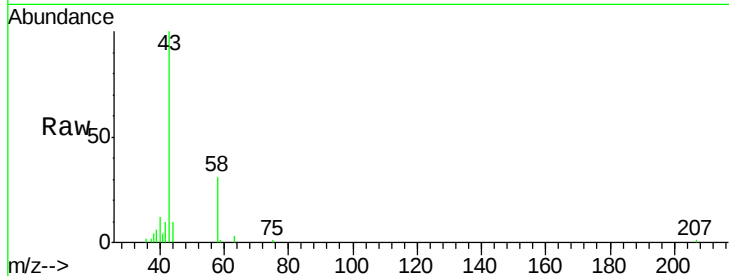
58 29.9 0.0 65.4

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#16

Methylene chloride

Concen: 2.782 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW014366.D

Acq: 16 Dec 2019 13:59

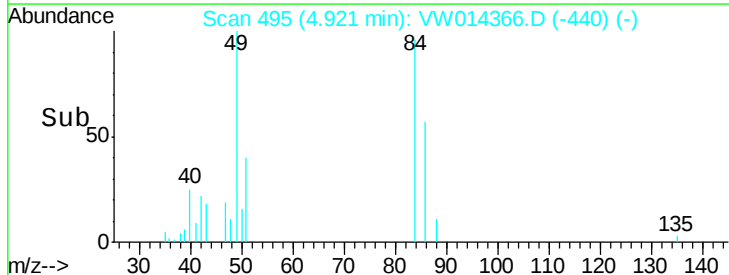
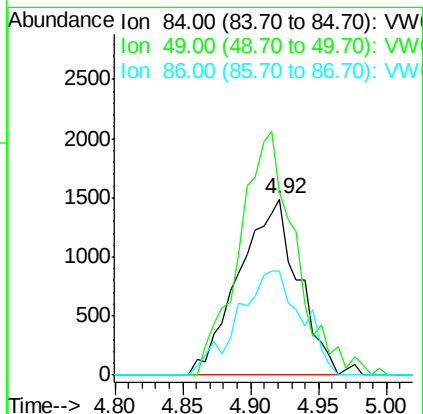
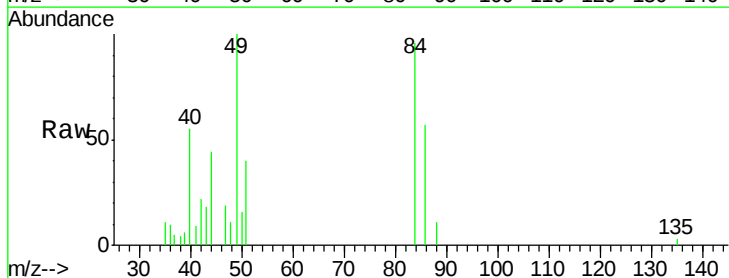
Tgt Ion: 84 Resp: 4509

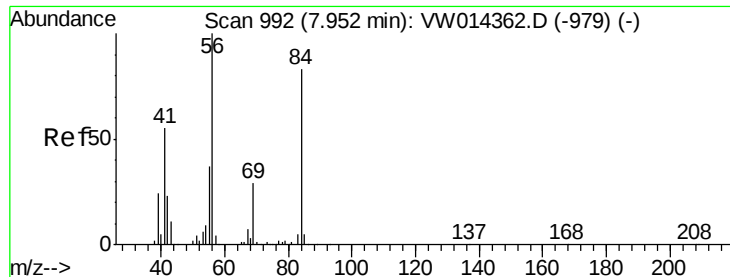
Ion Ratio Lower Upper

84 100

49 104.3 84.2 156.4

86 59.3 43.7 81.1





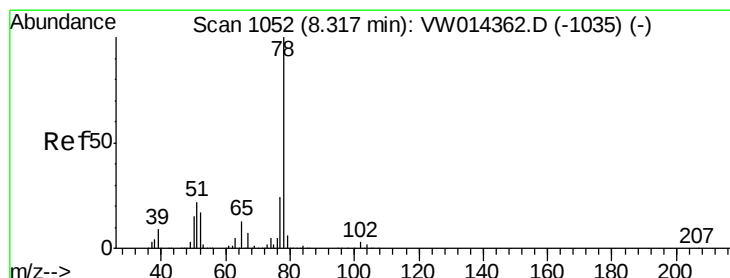
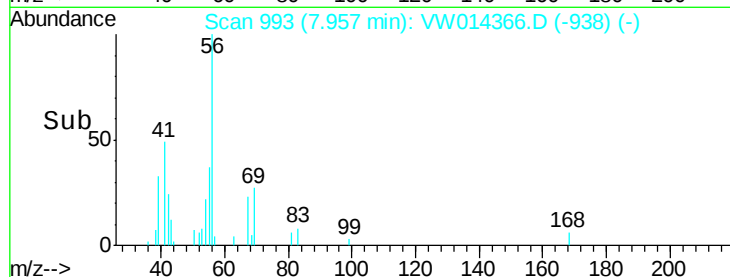
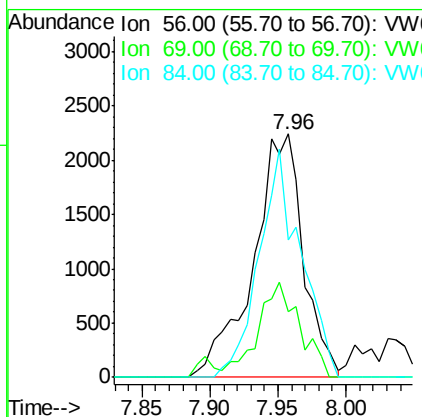
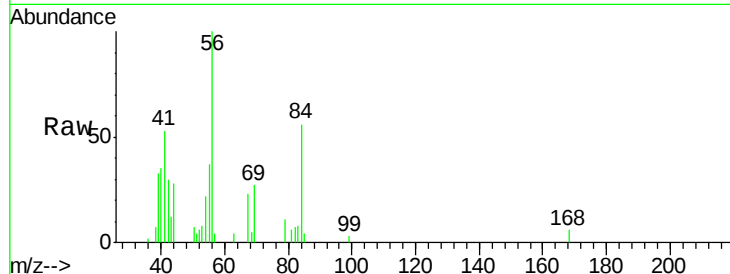
#30
Cyclohexane
Concen: 3.377 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW014366.D
Acq: 16 Dec 2019 13:59

Instrument :
MSVOA_W
ClientSampleId :
ETK82RE

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.1	24.6	37.0
84	78.0	70.2	105.2

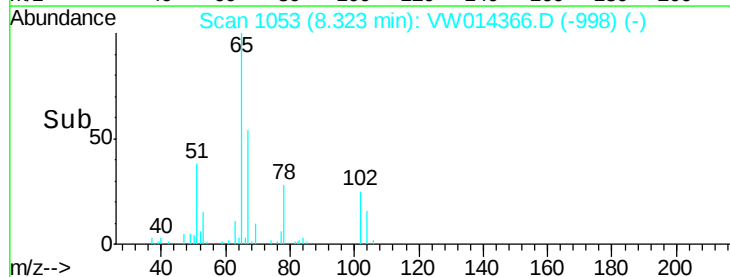
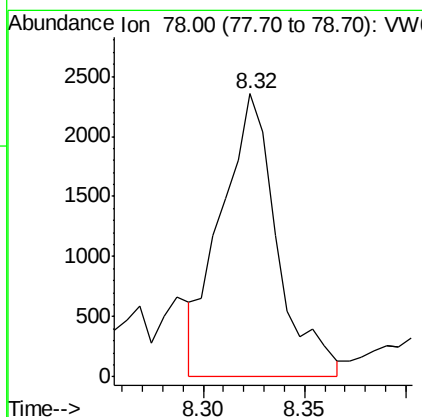
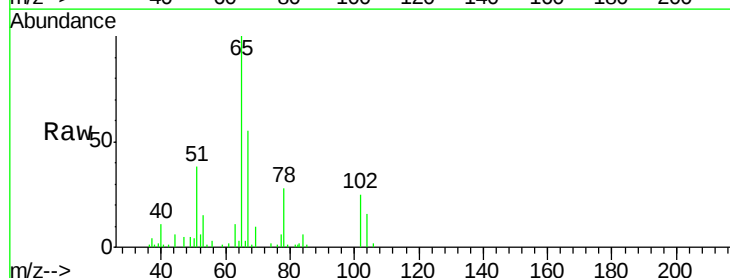
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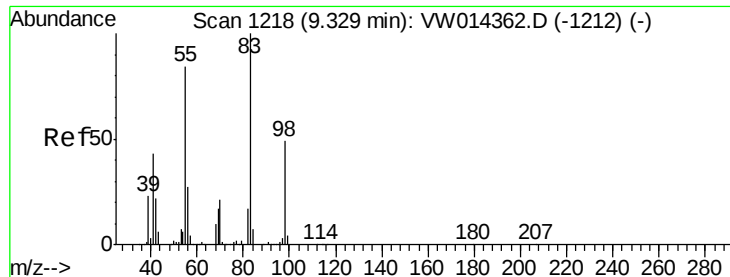
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#34
Benzene
Concen: 1.041 ug/L m
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW014366.D
Acq: 16 Dec 2019 13:59

Tgt Ion: 78 Resp: 4520





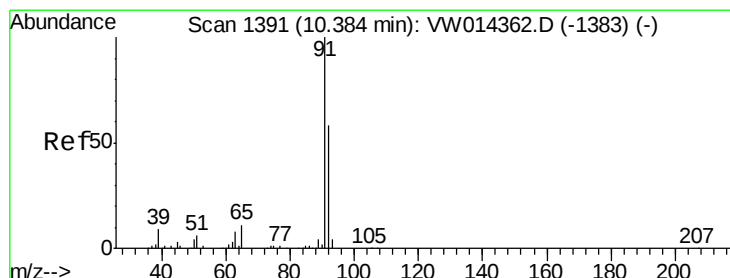
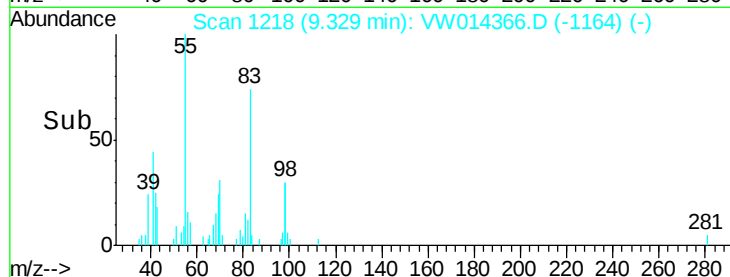
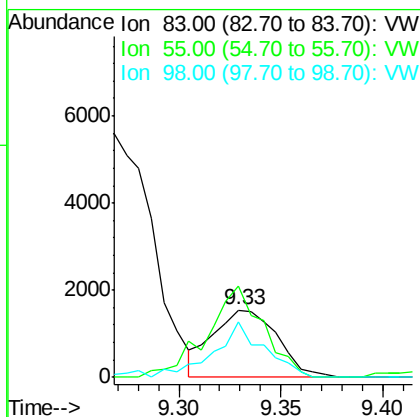
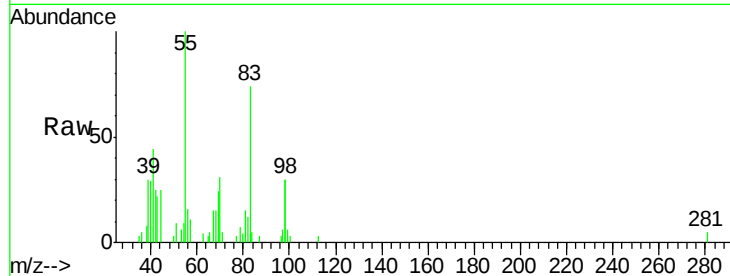
#36
Methvlcvclohexane
Concen: 1.831 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW014366.D
Acq: 16 Dec 2019 13:59

Instrument :
MSVOA_W
ClientSampleId :
ETK82RE

Tot Ion	Ratio	Lower	Upper
83	100		
55	117.8	59.8	89.8#
98	63.2	39.5	59.3#

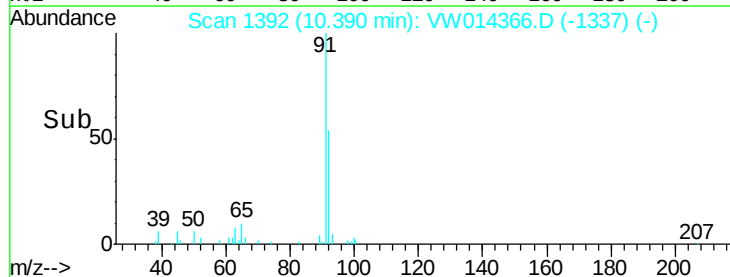
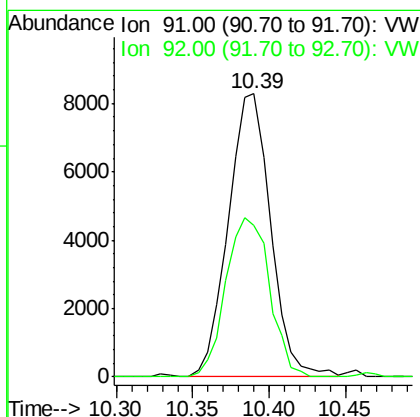
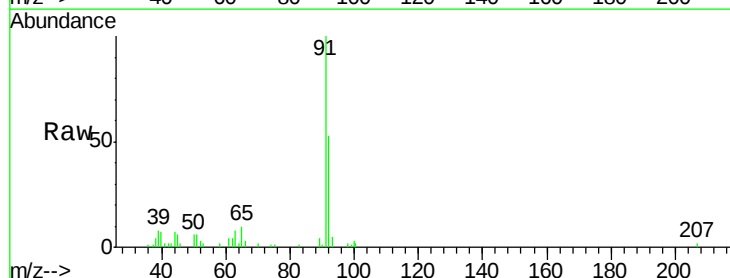
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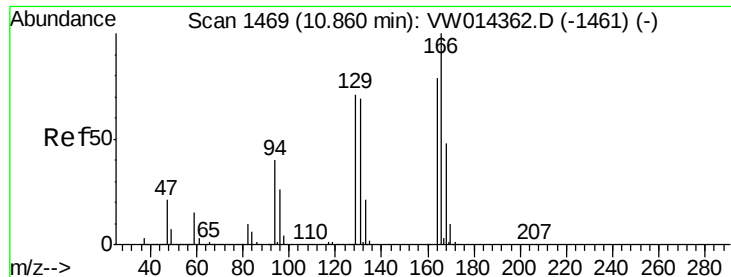
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#44
Toluene
Concen: 3.504 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW014366.D
Acq: 16 Dec 2019 13:59

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	40.7	75.7





#47

Tetrachloroethene

Concen: 1.006 ug/L

RT: 10.85 min Scan# 1468

Delta R.T. -0.01 min

Lab File: VW014366.D

Acq: 16 Dec 2019 13:59

Instrument :

MSVOA_W

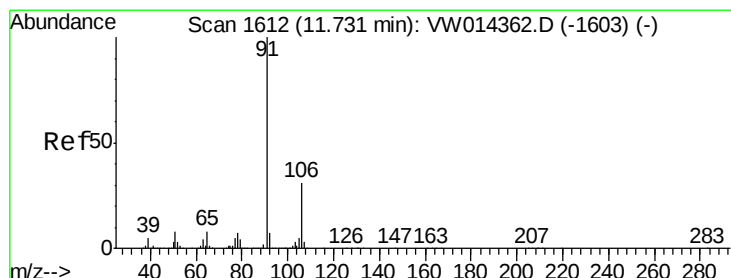
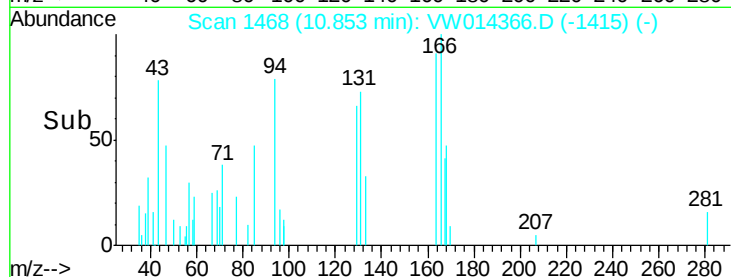
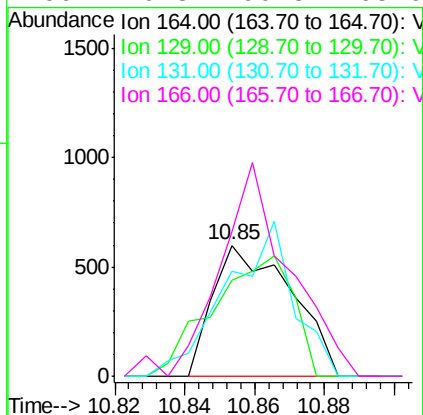
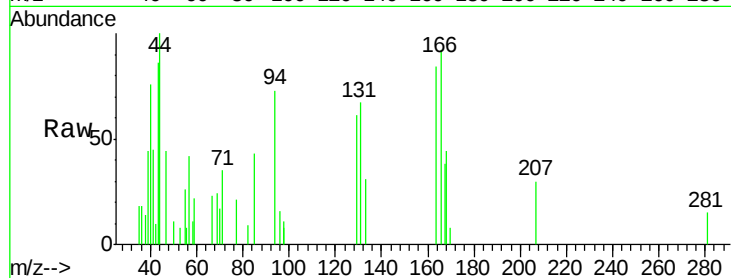
ClientSampleId :

ETK82RE

Tot Ion	164	Resp	932
Ion	Ratio	Lower	Upper
164	100		
129	73.2	60.6	112.6
131	80.0	59.1	109.7
166	110.3	90.8	168.6

Manual Integrations
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#53

Ethylbenzene

Concen: 1.630 ug/L

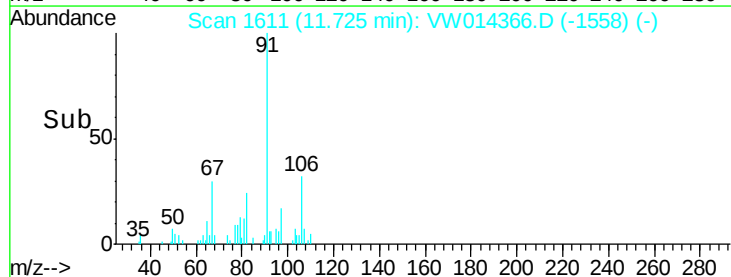
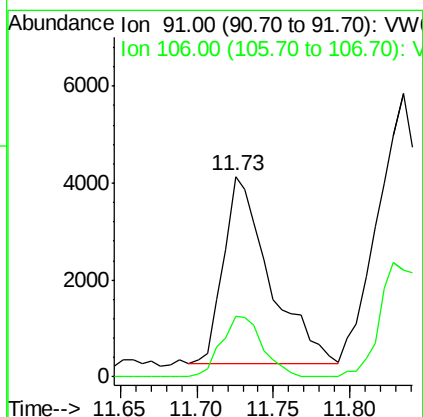
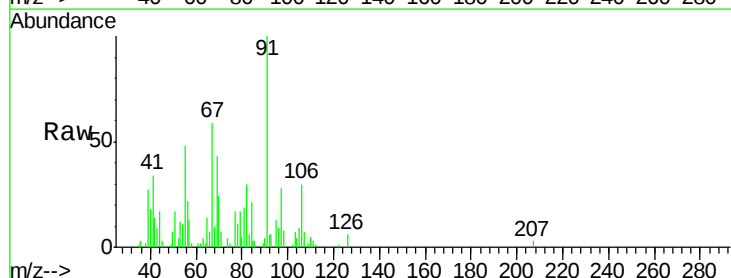
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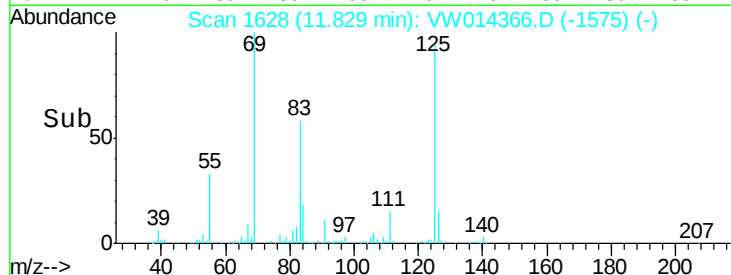
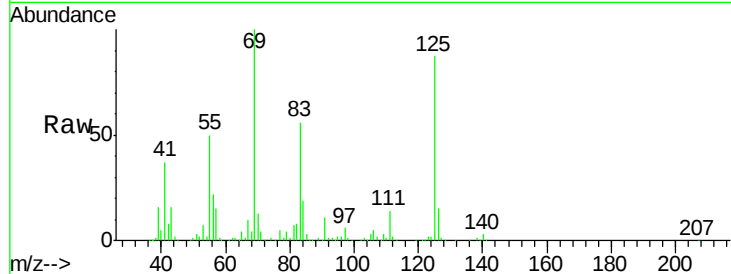
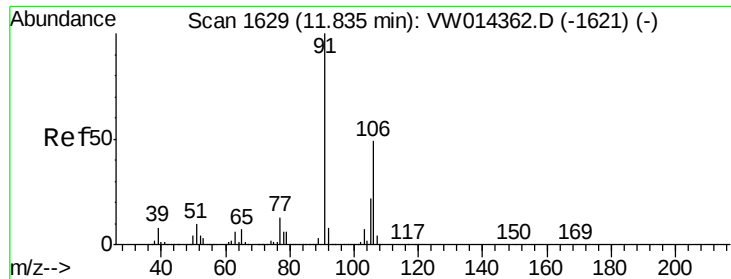
Delta R.T. -0.01 min

Lab File: VW014366.D

Acq: 16 Dec 2019 13:59

Tgt Ion	91	Resp	8053
Ion	Ratio	Lower	Upper
91	100		
106	30.4	22.3	41.5





#54

m,p-Xylene

Concen: 2.482 ug/L

RT: 11.83 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VW014366.D

Acq: 16 Dec 2019 13:59

Tot Ion:106 Resp: 4718

Ion Ratio Lower Upper

106 100

91 211.4 138.7 257.5

Instrument :

MSVOA_W

ClientSampled :

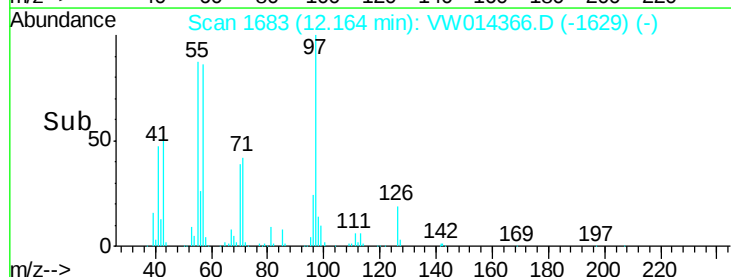
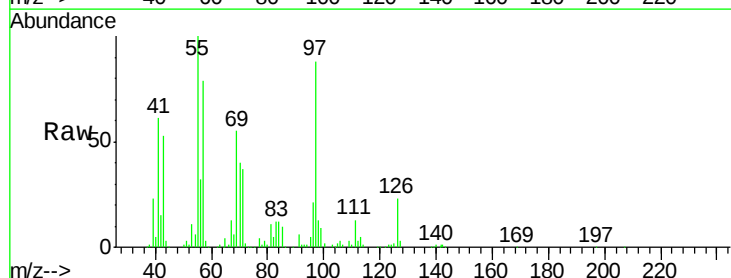
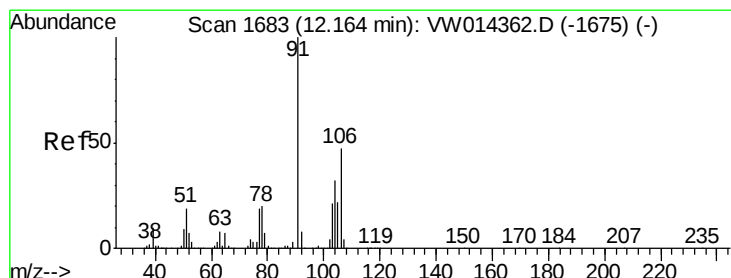
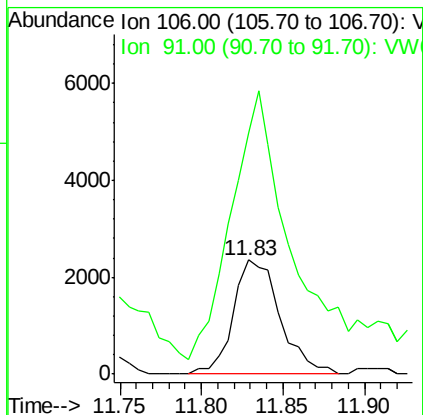
ETK82RE

Manual Integrations

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#55

o-xylene

Concen: 1.573 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014366.D

Acq: 16 Dec 2019 13:59

Tgt Ion:106 Resp: 2835

Ion Ratio Lower Upper

106 100

91 230.5 148.3 275.5

