

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
 Data File : VV009104.D
 Acq On : 21 Dec 2018 01:04
 Operator : SY/MD
 Sample : J6468-16
 Misc : 4.77 G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0JH2

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 4:10:20 PM

Quant Time: Dec 23 10:08:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Dec 23 09:51:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	114249	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	51905	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	11792	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	36342	30.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	122.96%
7) Chloroethane-d5	1.58	69	36839	42.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	168.72%#
10) 1,1-Dichloroethene-d2	2.13	63	59456	20.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.44%
20) 2-Butanone-d5	3.94	46	33466	77.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	155.50%#
24) Chloroform-d	4.40	84	91375	33.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	133.08%
26) 1,2-Dichloroethane-d4	5.08	65	46497	31.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	124.08%
29) Benzene-d6	5.10	84	162824	56.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	224.68%#
33) 1,2-Dichloropropane-d6	6.12	67	60360	74.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	297.48%#
37) Toluene-d8	7.36	98	105458	39.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	157.24%#
38) trans-1,3-Dichloropropene-	7.66	79	7926	22.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.92%
39) 2-Hexanone-d5	8.14	63	17257	116.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	232.14%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	49274	72.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	289.52%#
61) 1,2-Dichlorobenzene-d4	11.68	152	17183	38.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	155.32%#

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	396457	275.955 ug/L	98
13) Acetone	2.20	43	26187	41.292 ug/L	98
14) Carbon disulfide	2.32	76	6066	1.283 ug/L	99
16) Methylene chloride	2.53	84	4951	2.573 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	138933	87.302 ug/L	97
21) 2-Butanone	4.02	43	12643m	21.270 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	852319	513.651 ug/L	98
34) Benzene	5.15	78	12239	3.936 ug/L	100
35) Trichloroethene	5.96	95	250774	267.482 ug/L	98
36) Methylcyclohexane	6.17	83	5814m	3.888 ug/L	
44) Toluene	7.43	91	78853	24.178 ug/L	100
47) Tetrachloroethene	8.02	164	2238	2.935 ug/L	91
49) 2-Hexanone	8.19	43	4818	11.544 ug/L #	79
53) Ethylbenzene	9.06	91	5888	1.664 ug/L	98
54) m,p-Xylene	9.18	106	5212	3.891 ug/L	90
55) o-xylene	9.59	106	3538	2.843 ug/L	100

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Quant Time: Dec 23 10:08:50 2018
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Quant Title : VOC Analysis
QLast Update : Sun Dec 23 09:51:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

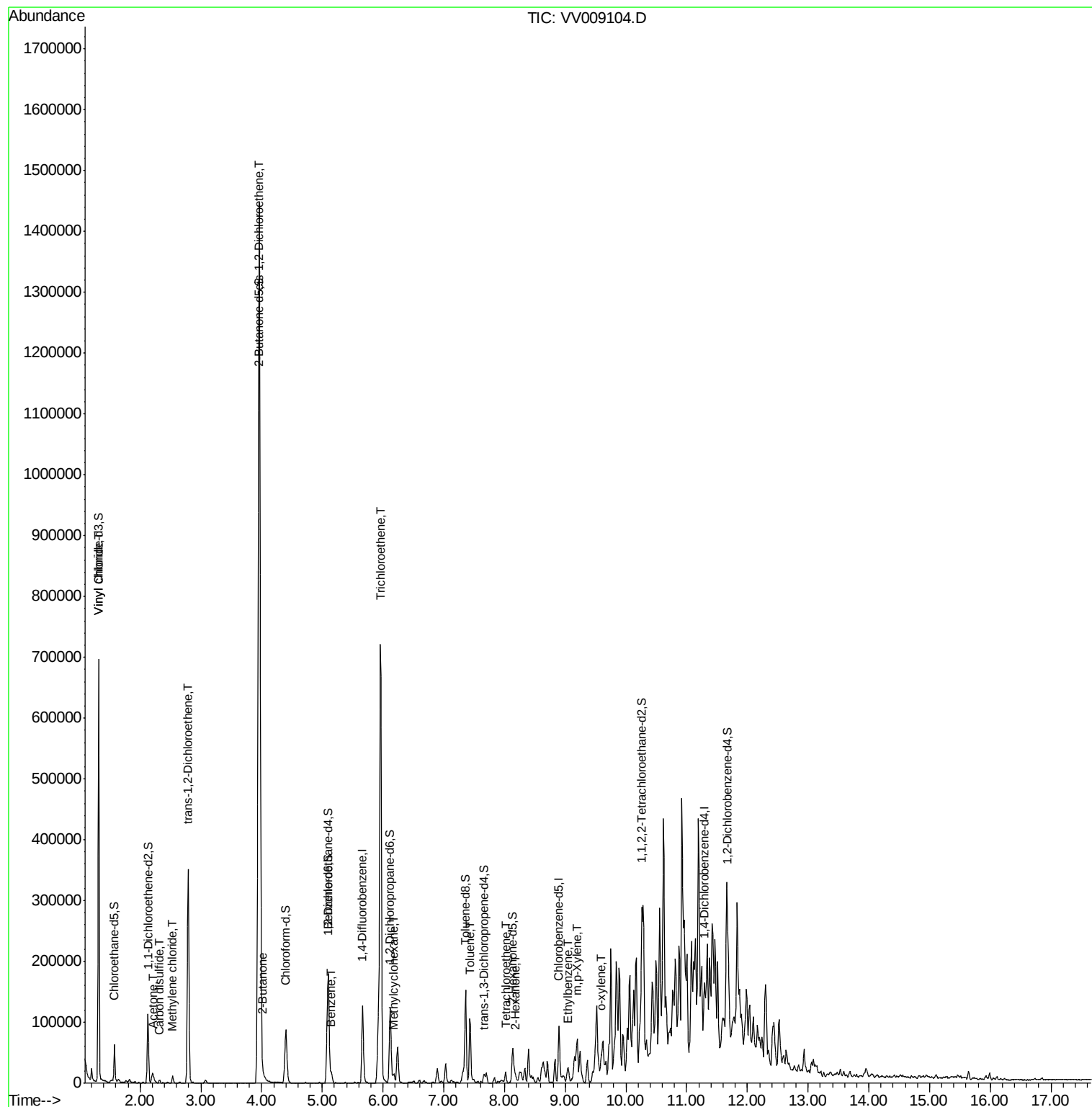
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009104.D
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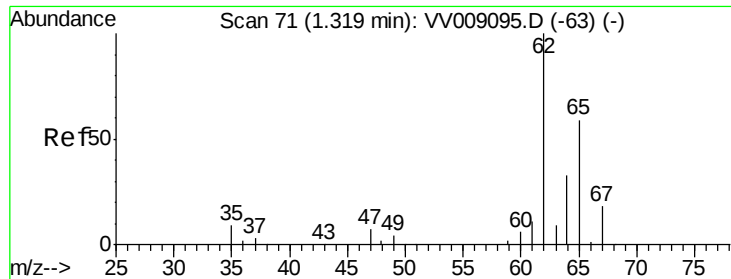
Instrument :
MSVOA_V
ClientSampleId :
C0JH2

Manual Integrations
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Quant Time: Dec 23 10:08:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Sun Dec 23 09:51:44 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 275.955 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV009104.D

Acq: 21 Dec 2018 01:04

Instrument :

MSVOA_V

ClientSampleId :

C0JH2

Tgt Ion: 62 Resp: 396457

Ion Ratio Lower Upper

62 100

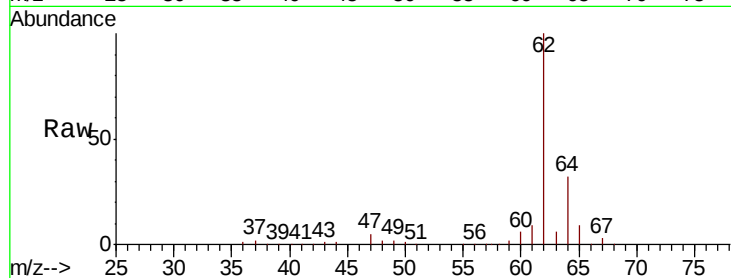
64 32.4 23.3 43.3

Manual Integrations

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Abundance Ion 62.00 (61.70 to 62.70): VV009095.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV009095.D (-63) (-)

1.32

400000

300000

200000

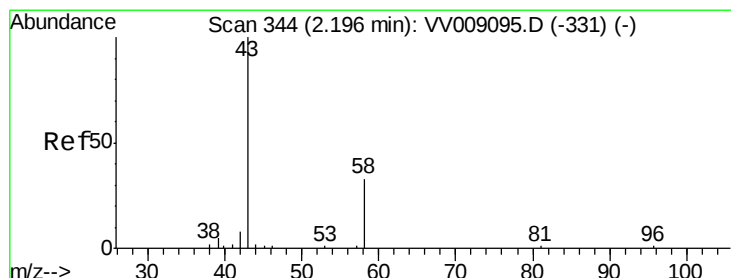
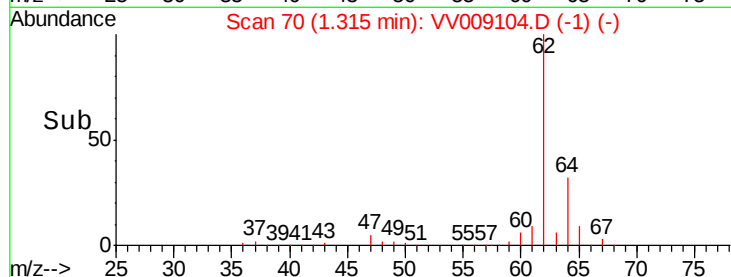
100000

0

1.30

1.40

Time-->



#13

Acetone

Concen: 41.292 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.01 min

Lab File: VV009104.D

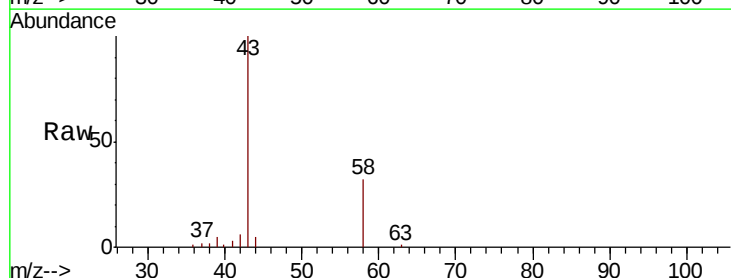
Acq: 21 Dec 2018 01:04

Tgt Ion: 43 Resp: 26187

Ion Ratio Lower Upper

43 100

58 31.4 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009095.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009095.D (-331) (-)

2.20

12000

10000

8000

6000

4000

2000

0

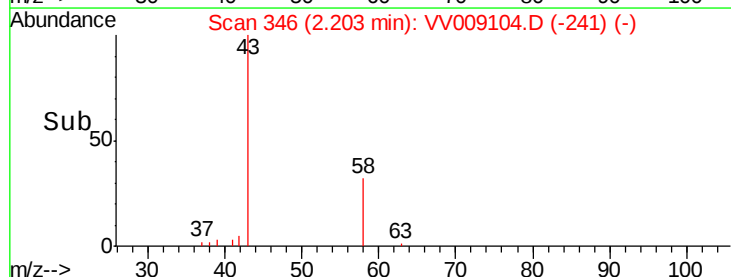
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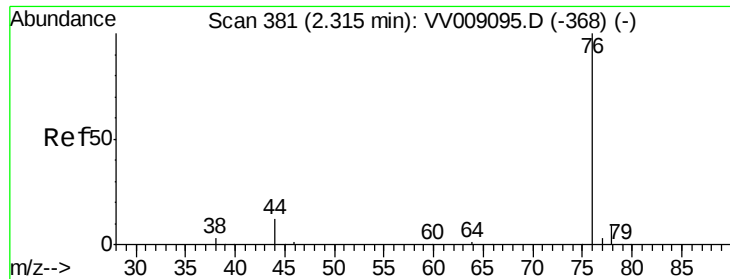
2.20

2.25

2.30

Time-->





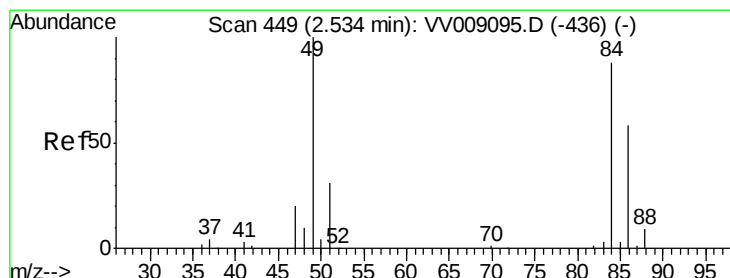
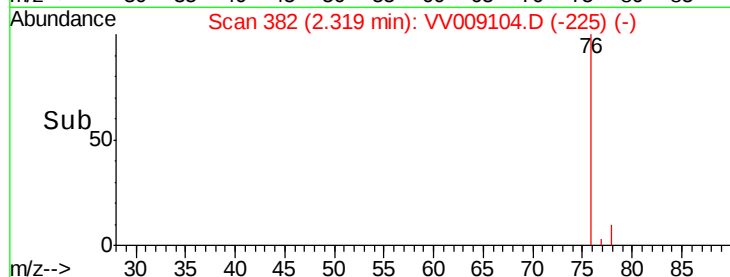
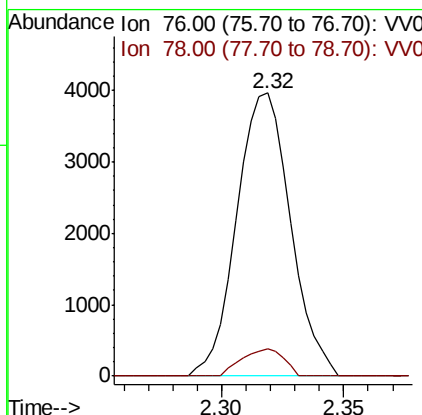
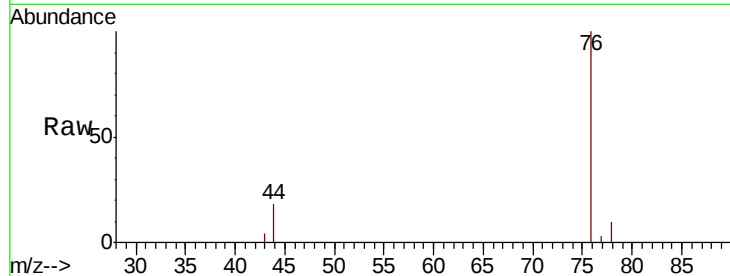
#14
Carbon disulfide
Concen: 1.283 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument :
MSVOA_V
ClientSampleId :
C0JH2

Tgt Ion: 76 Resp: 6066
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0

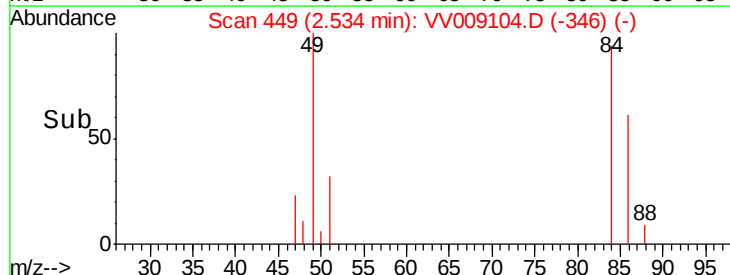
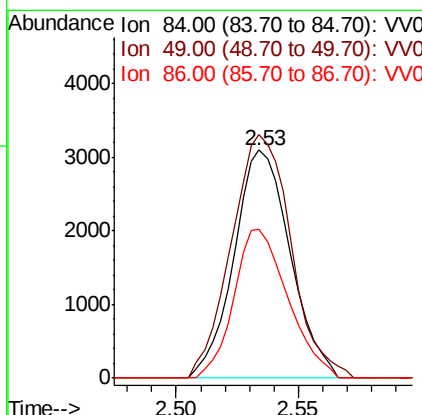
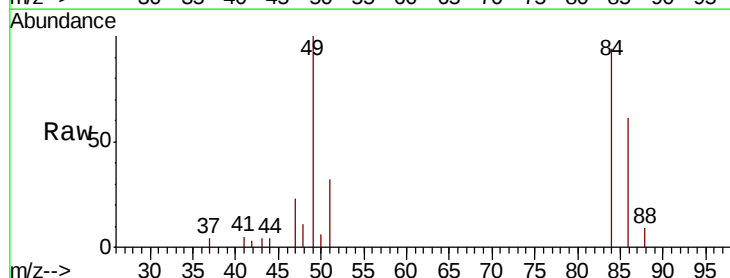
Manual Integrations
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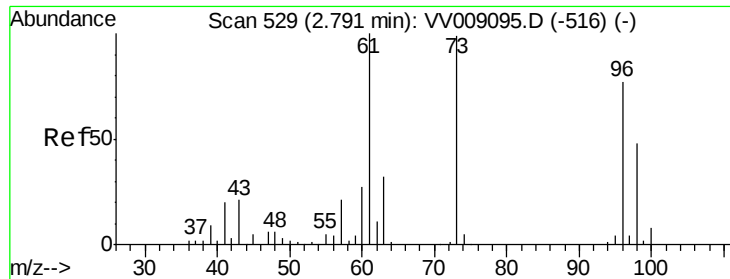
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#16
Methylene chloride
Concen: 2.573 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion: 84 Resp: 4951
Ion Ratio Lower Upper
84 100
49 106.7 80.5 149.5
86 65.4 45.5 84.5





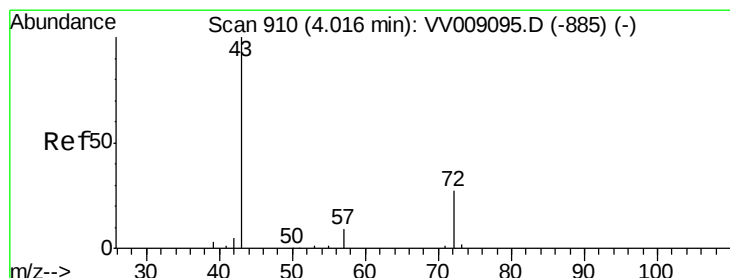
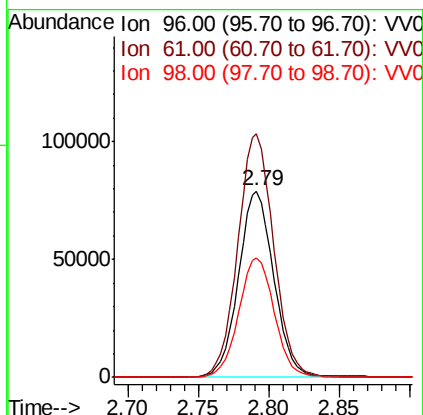
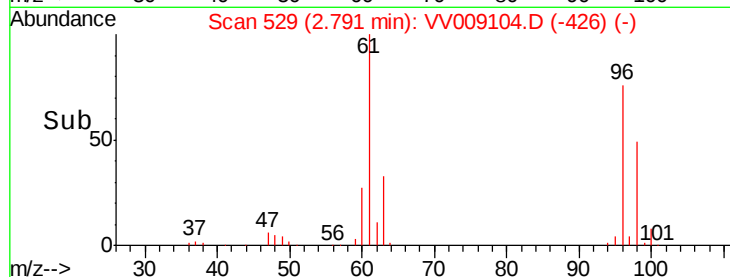
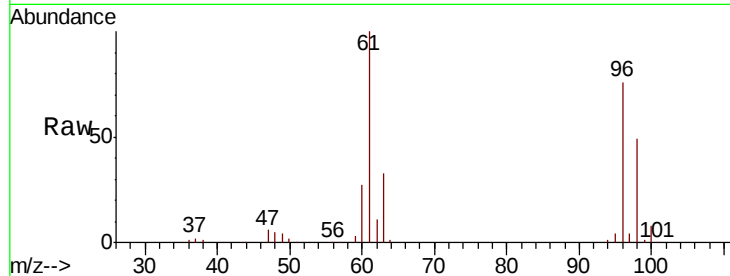
#18
trans-1,2-Dichloroethene
Concen: 87.302 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument :
MSVOA_V
ClientSampleId :
C0JH2

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.9	94.6	175.8
98	64.5	45.3	84.1

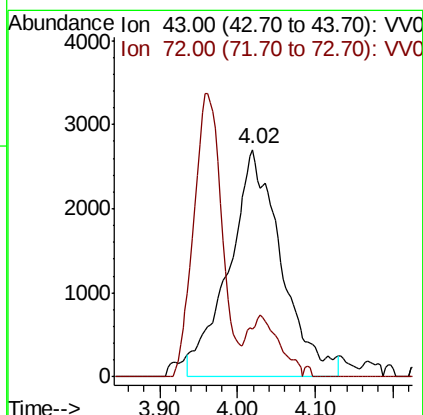
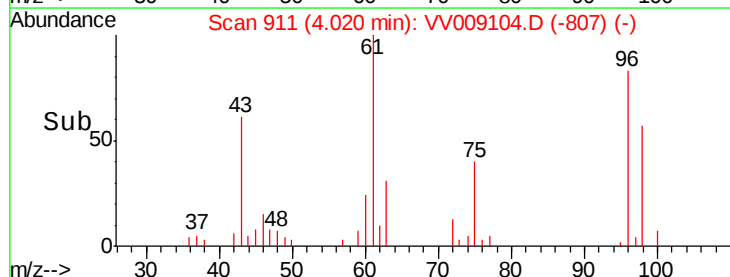
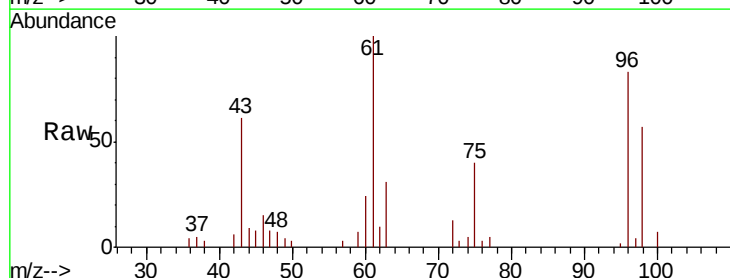
Manual Integrations
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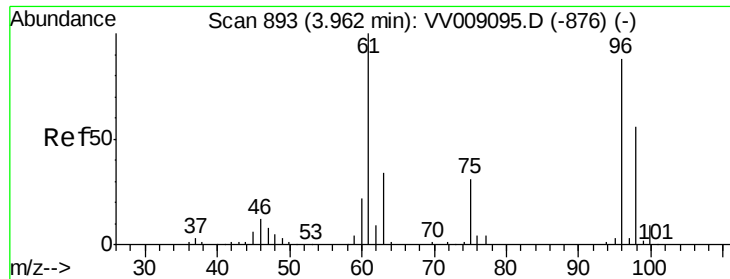
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#21
2-Butanone
Concen: 21.270 ug/L m
RT: 4.02 min Scan# 911
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion	Ratio	Lower	Upper
43	100		
72	9.8	13.7	41.1#





#22

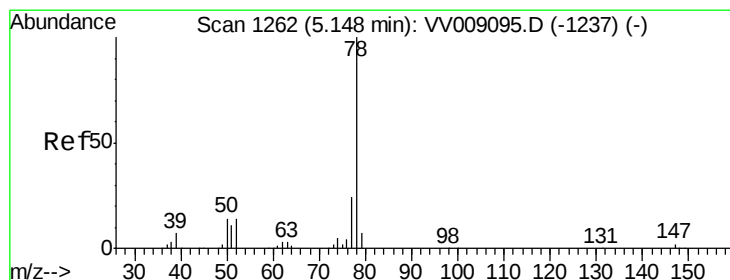
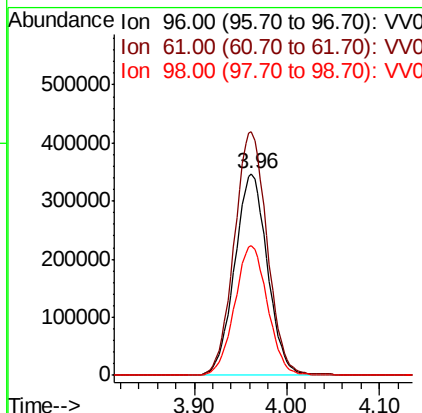
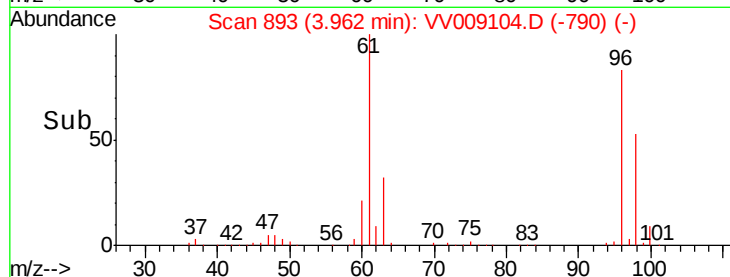
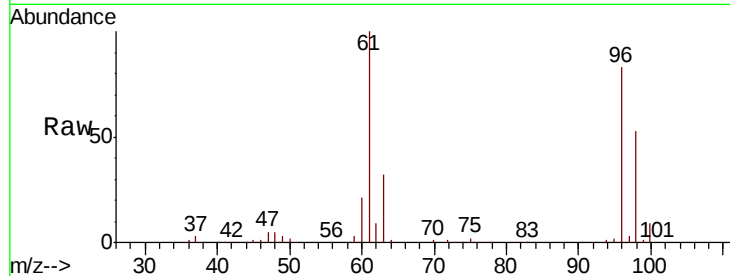
cis-1,2-Dichloroethene
Concen: 513.651 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument :
MSVOA_V
ClientSampled :
C0JH2

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.8	86.2	160.0
98	64.3	45.6	84.6

Manual Integrations
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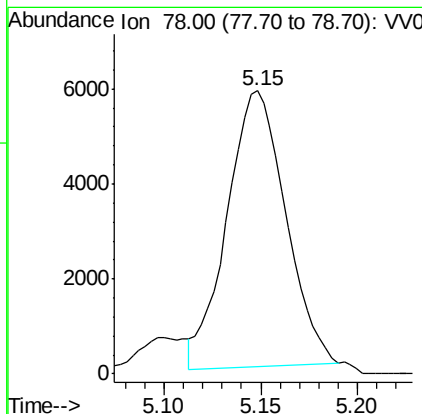
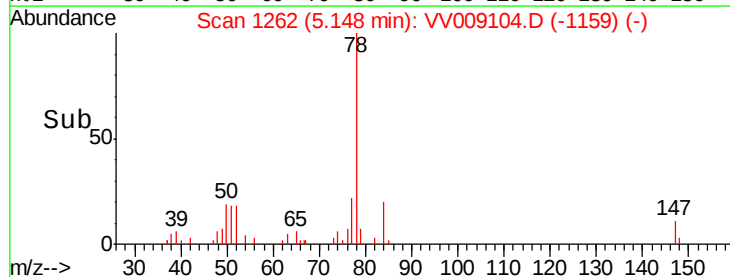
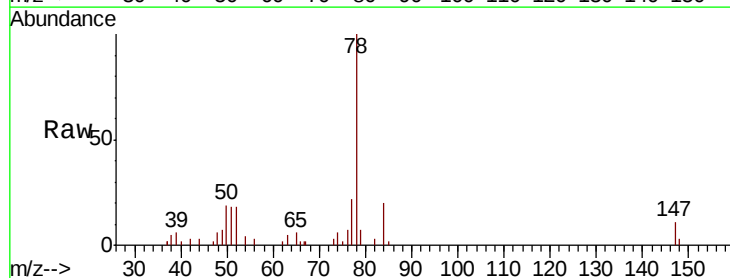
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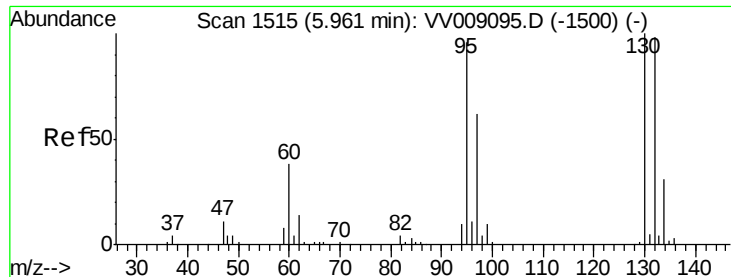


#34

Benzene
Concen: 3.936 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion: 78 Resp: 12239





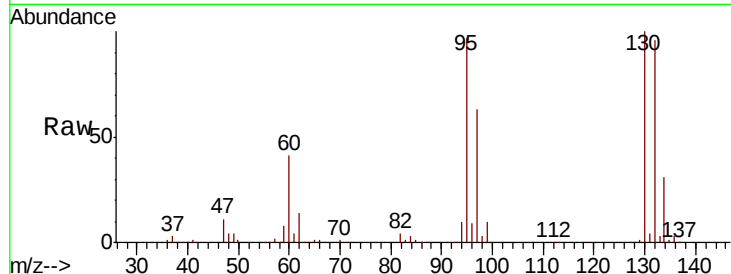
#35
 Trichloroethene
 Concen: 267.482 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009104.D
 Acq: 21 Dec 2018 01:04

Instrument :
 MSVOA_V
 ClientSampleId :
 C0JH2

Tgt Ion	Ratio	Lower	Upper
95	100		
97	69.5	45.3	84.1
132	101.1	70.0	130.0
130	104.0	73.4	136.4

Manual Integrations
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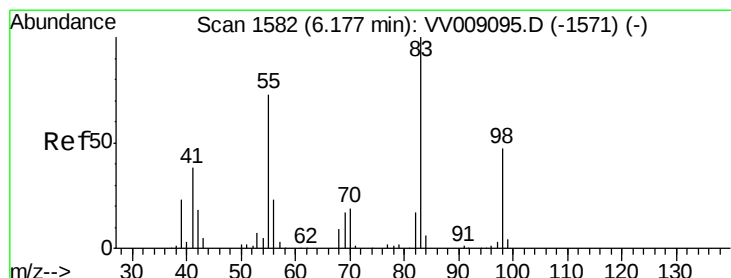
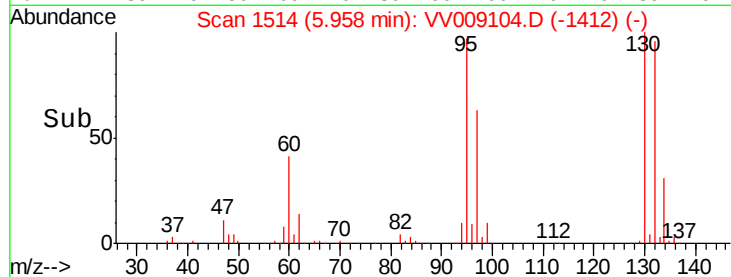
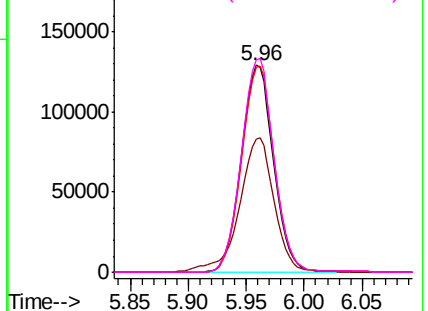
Abundance

Ion 95.00 (94.70 to 95.70): VV009095.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV009095.D (-1500) (-)

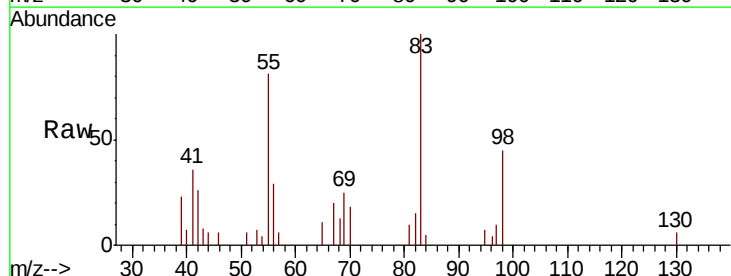
Ion 132.00 (131.70 to 132.70): VV009095.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV009095.D (-1500) (-)



#36
 Methylcyclohexane
 Concen: 3.888 ug/L m
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV009104.D
 Acq: 21 Dec 2018 01:04

Tgt Ion	Ratio	Lower	Upper
83	100		
55	92.1	58.2	87.2#
98	46.8	37.8	56.8

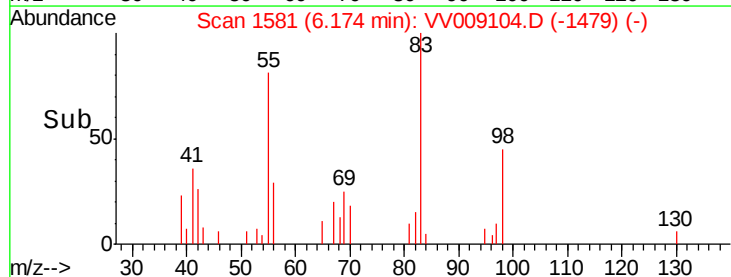
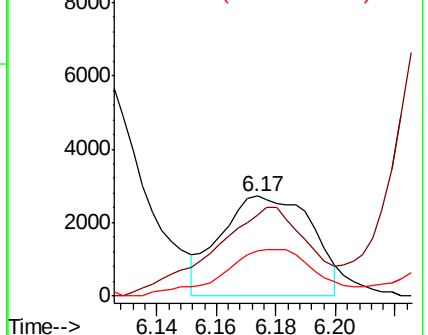


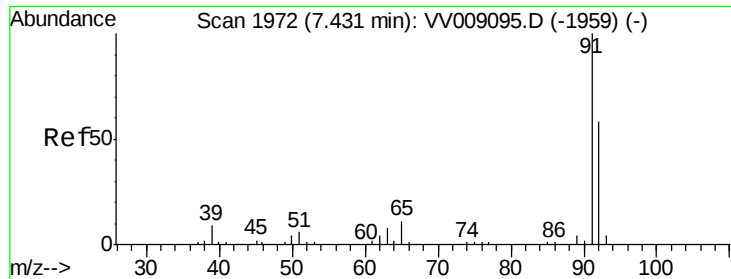
Abundance

Ion 83.00 (82.70 to 83.70): VV009095.D (-1571) (-)

Ion 55.00 (54.70 to 55.70): VV009095.D (-1571) (-)

Ion 98.00 (97.70 to 98.70): VV009095.D (-1571) (-)





#44

Toluene

Concen: 24.178 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009104.D

Acq: 21 Dec 2018 01:04

Instrument :

MSVOA_V

ClientSampleId :

C0JH2

Tgt Ion: 91 Resp: 78853

Ion Ratio Lower Upper

91 100

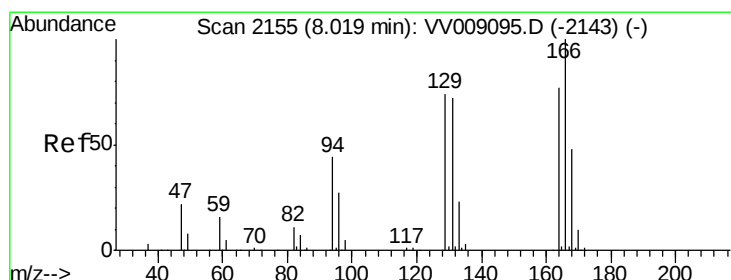
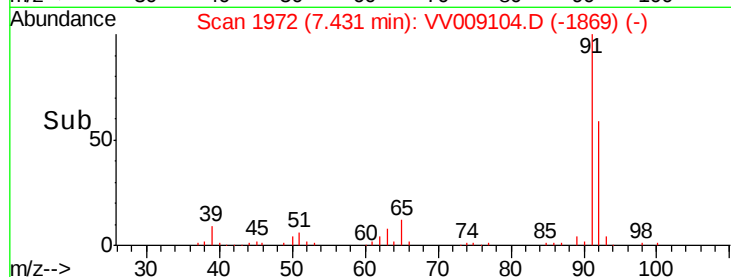
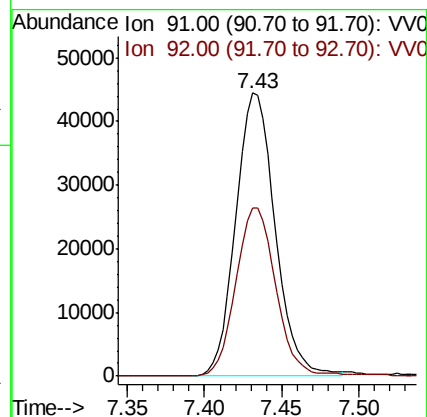
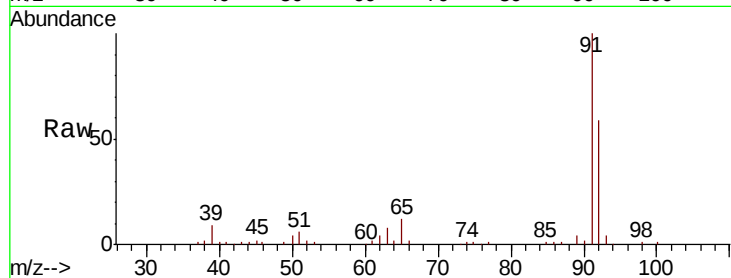
92 59.5 41.7 77.5

Manual Integrations

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#47

Tetrachloroethene

Concen: 2.935 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009104.D

Acq: 21 Dec 2018 01:04

Tgt Ion: 164 Resp: 2238

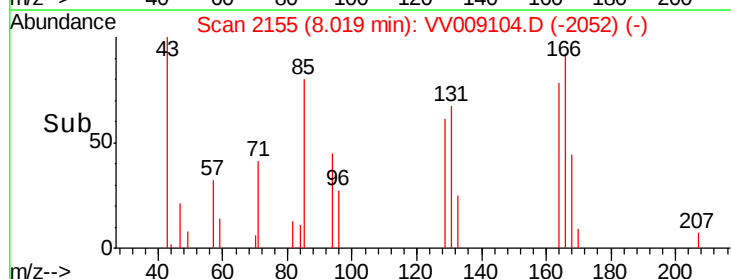
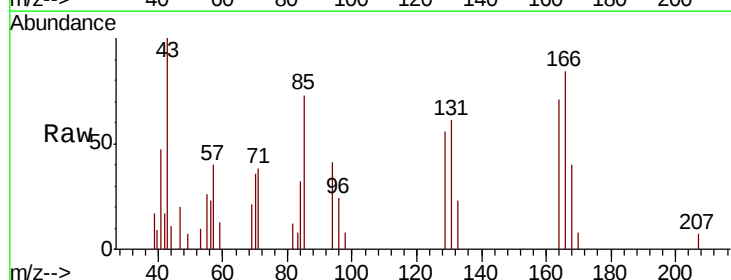
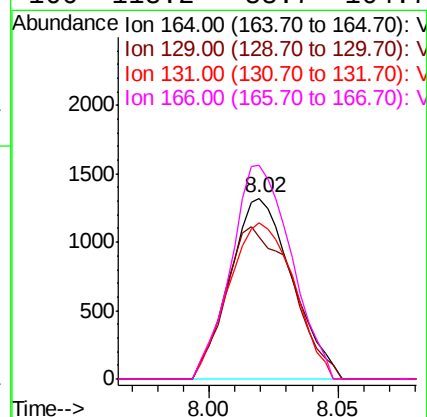
Ion Ratio Lower Upper

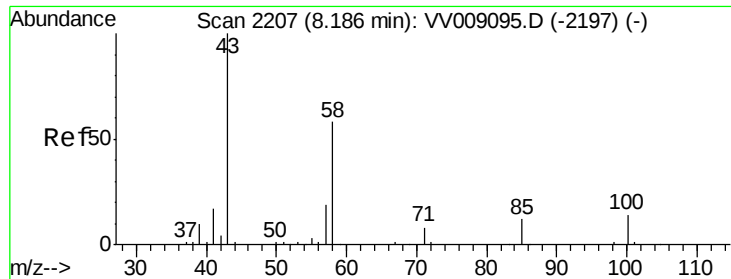
164 100

129 78.5 64.6 120.0

131 86.3 64.5 119.7

166 118.2 88.7 164.7





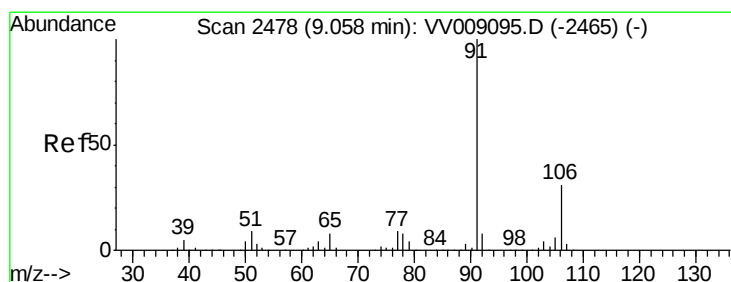
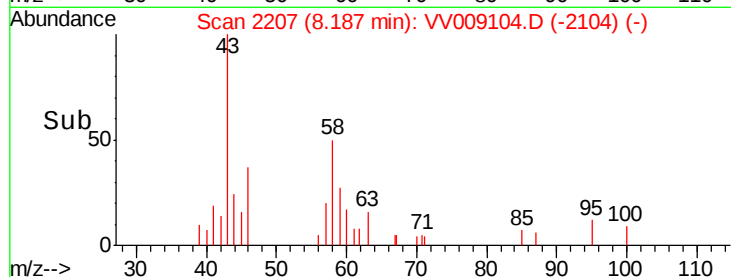
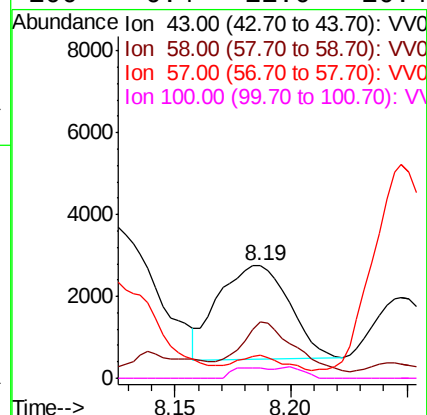
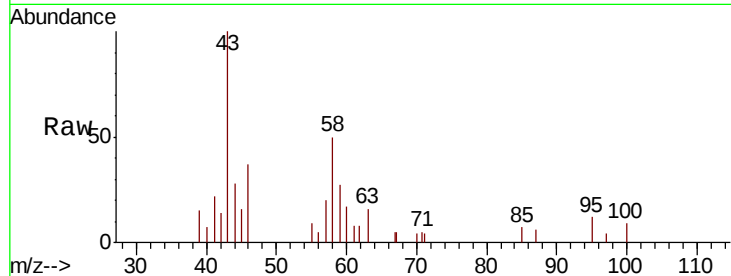
#49
2-Hexanone
Concen: 11.544 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument :
MSVOA_V
ClientSampleId :
C0JH2

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.9	43.9	65.9#
57	9.9	15.7	23.5#
100	6.4	11.0	16.4#

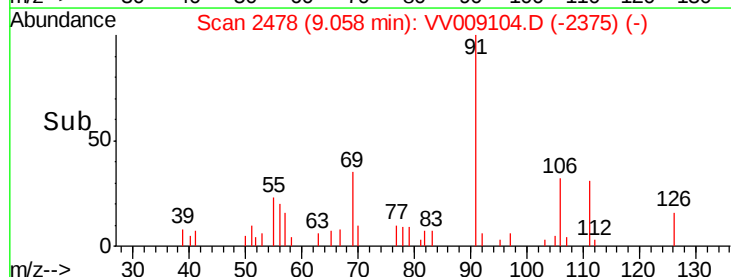
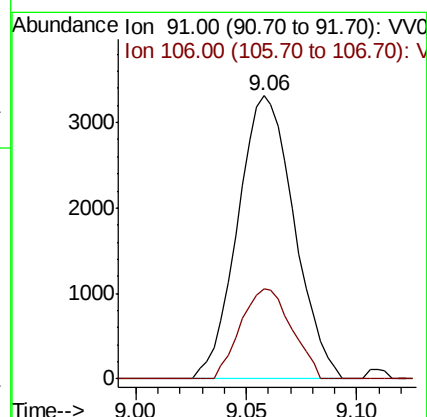
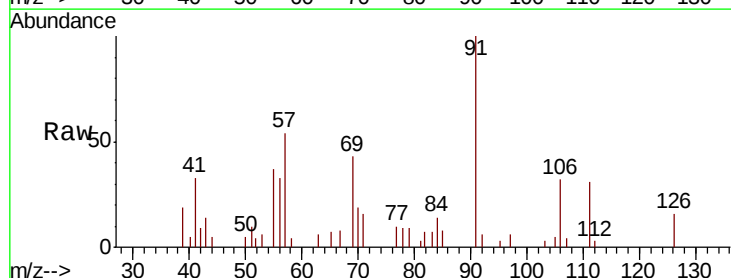
Manual Integrations
APPROVED

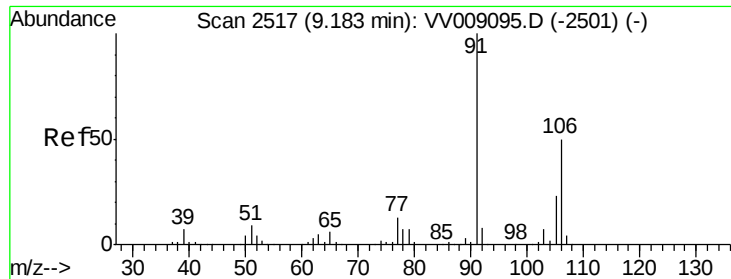
MMDadoda
1/7/2019 4:10:20 PM



#53
Ethylbenzene
Concen: 1.664 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	21.3	39.5





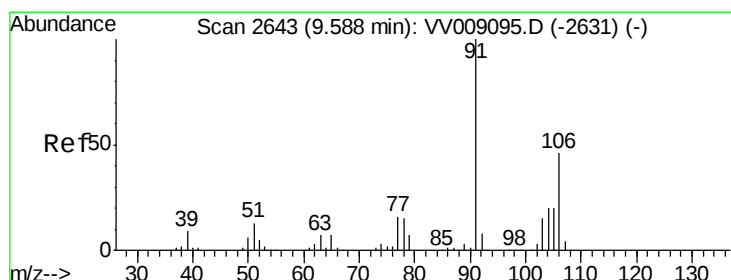
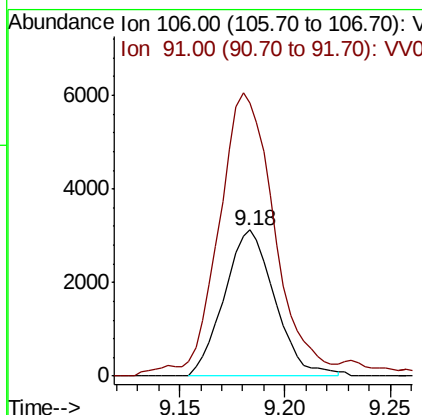
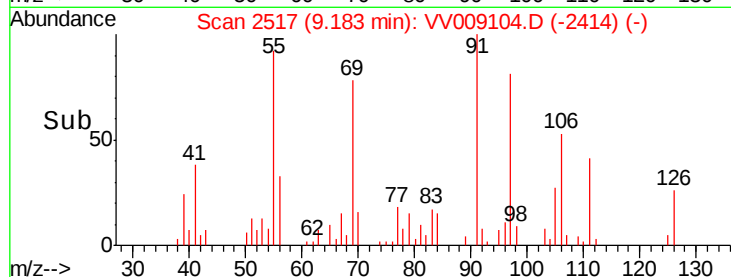
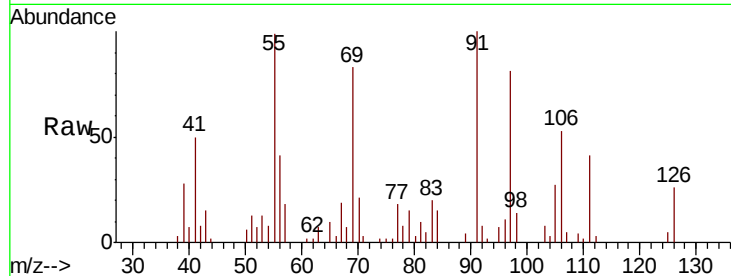
#54
m,p-Xylene
Concen: 3.891 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument :
MSVOA_V
ClientSampled :
C0JH2

Tgt Ion:106 Resp: 5212
Ion Ratio Lower Upper
106 100
91 187.0 141.3 262.3

Manual Integrations
APPROVED

MMDadoda
1/7/2019 4:10:20 PM



#55
o-xylene
Concen: 2.843 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion:106 Resp: 3538
Ion Ratio Lower Upper
106 100
91 212.3 148.3 275.5

