

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010738.D
 Acq On : 08 May 2019 21:12
 Operator : SY/MD
 Sample : K2690-16
 Misc : 6.69G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A5162

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 3:46:25 AM

Quant Time: May 09 04:18:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 02:55:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	19093	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	19202	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	8866	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	6481	21.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.40%
7) Chloroethane-d5	1.58	69	6153	25.21	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.84%
10) 1,1-Dichloroethene-d2	2.13	63	10806	16.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.20%
20) 2-Butanone-d5	3.94	46	7387	83.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	166.00%#
24) Chloroform-d	4.40	84	13109	25.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.72%
26) 1,2-Dichloroethane-d4	5.08	65	8413	25.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.52%
29) Benzene-d6	5.10	84	22310	22.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.28%
33) 1,2-Dichloropropane-d6	6.12	67	12513	38.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	155.40%#
37) Toluene-d8	7.35	98	27422m	28.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.32%
38) trans-1,3-Dichloropropene-	7.67	79	3158	21.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.04%
39) 2-Hexanone-d5	8.13	63	6346	94.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	188.32%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	42718m	141.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	564.56%#
61) 1,2-Dichlorobenzene-d4	11.68	152	9643	28.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.19	43	30735	223.051	ug/L	99
14) Carbon disulfide	2.31	76	4671	6.324	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	942m	3.467	ug/L	
22) cis-1,2-Dichloroethene	3.96	96	126286	406.876	ug/L	97
30) Cyclohexane	4.72	56	7235m	15.023	ug/L	
36) Methylcyclohexane	6.18	83	133140	263.092	ug/L	90
44) Toluene	7.43	91	8748	6.833	ug/L	98
47) Tetrachloroethene	8.02	164	603	2.637	ug/L #	67
53) Ethylbenzene	9.05	91	14135	9.522	ug/L	97
54) m,p-Xylene	9.18	106	10447	18.837	ug/L	89
57) Isopropylbenzene	9.98	105	57828	39.401	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	2766	4.615	ug/L #	1

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

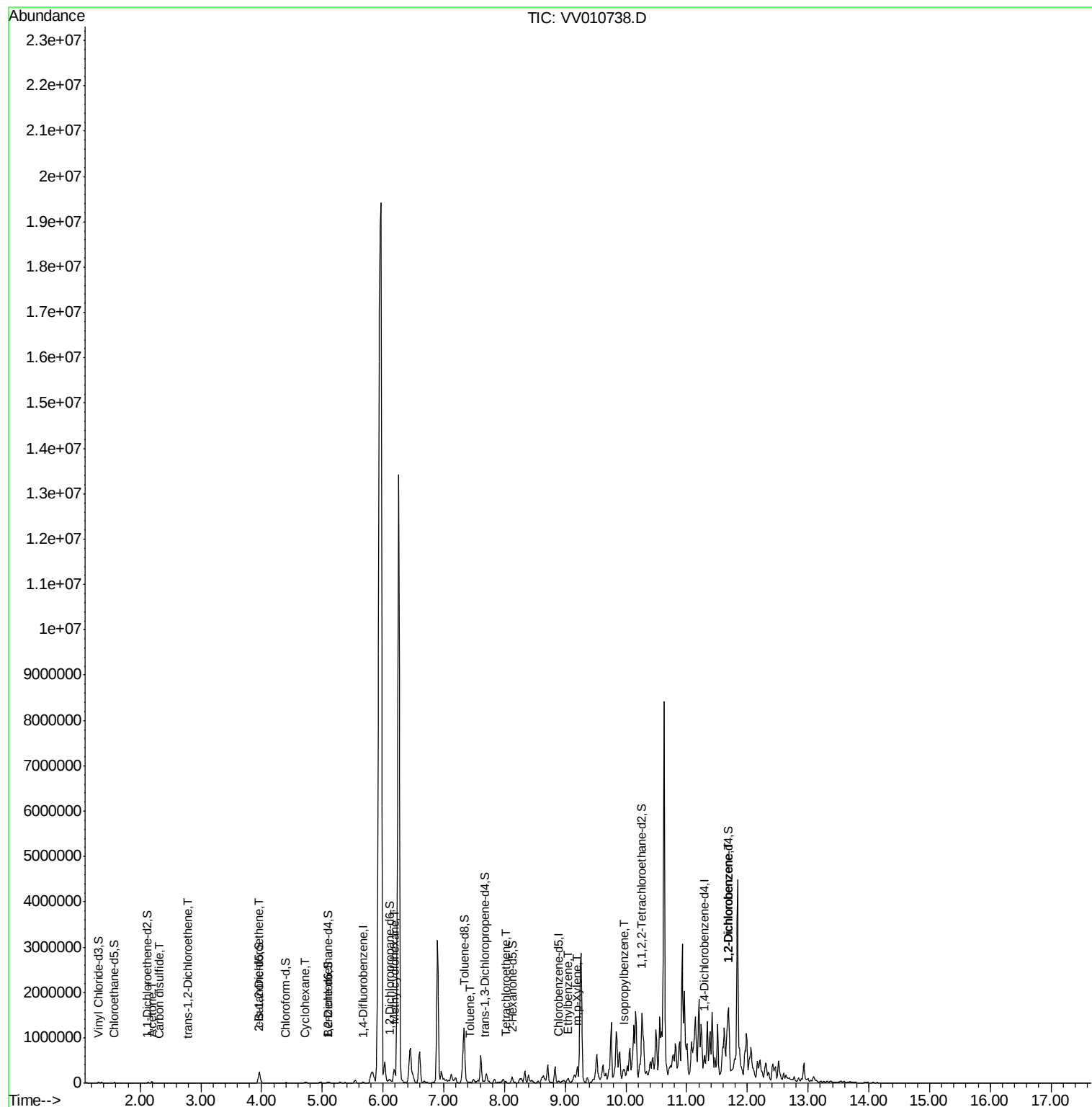
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010738.D
Acq On : 08 May 2019 21:12
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ALS Vial : 1 Sample Multiplier: 1

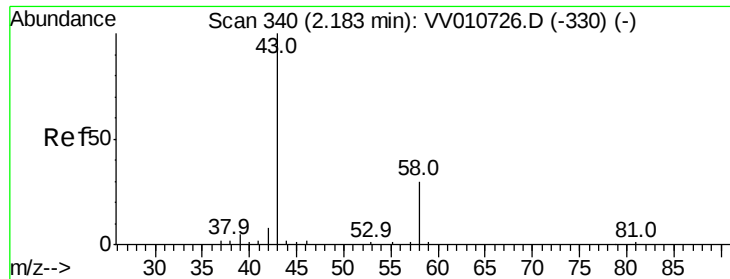
Instrument :
MSVOA_V
ClientSampleId :
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Quant Time: May 09 04:18:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Thu May 09 02:55:09 2019
Response via : Initial Calibration





#13

Acetone

Concen: 223.051 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VV010738.D

Acq: 08 May 2019 21:12

Instrument :

MSVOA_V

ClientSampleId :

A5162

Tot Ion: 43 Resp: 30735

Ion Ratio Lower Upper

43 100

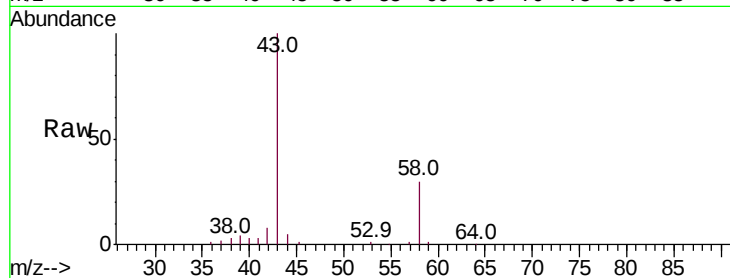
58 32.3 0.0 63.4

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Abundance Ion 43.00 (42.70 to 43.70): VV010738.D (-342) (-)

Ion 58.00 (57.70 to 58.70): VV010738.D (-342) (-)

25000

20000

15000

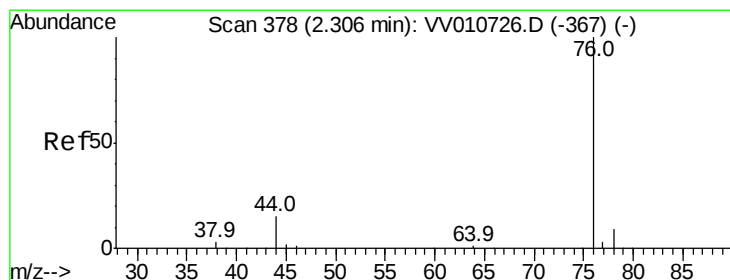
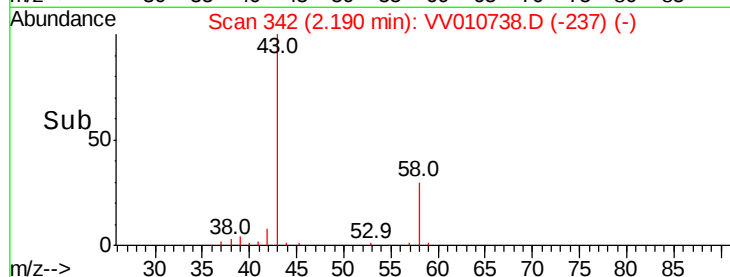
10000

5000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 6.324 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV010738.D

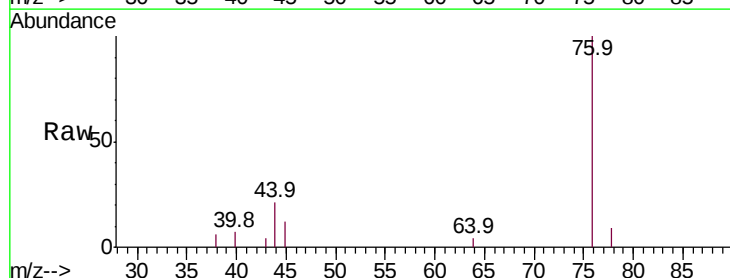
Acq: 08 May 2019 21:12

Tgt Ion: 76 Resp: 4671

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VV010738.D (-380) (-)

Ion 78.00 (77.70 to 78.70): VV010738.D (-380) (-)

3000

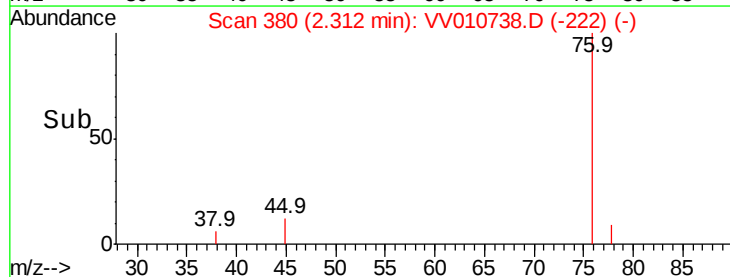
2000

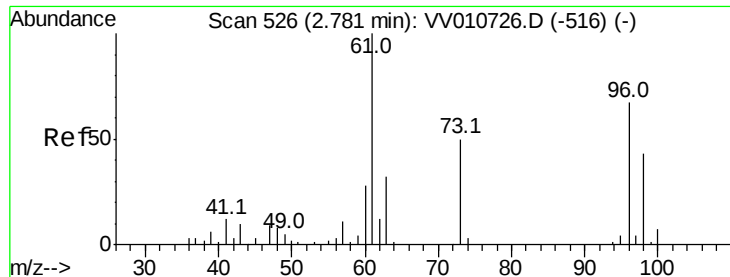
1000

0

2.30 2.35

Time-->





#18

trans-1,2-Dichloroethene

Concen: 3.467 ug/L m

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV010738.D

Acq: 08 May 2019 21:12

Instrument :

MSVOA_V

ClientSampleId :

A5162

Tot Ion: 96 Resp: 942

Ion Ratio Lower Upper

96 100

61 124.3 102.8 190.8

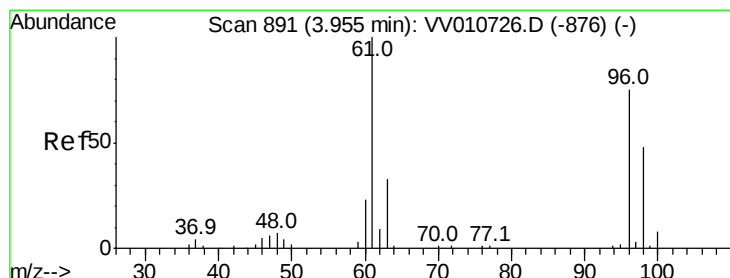
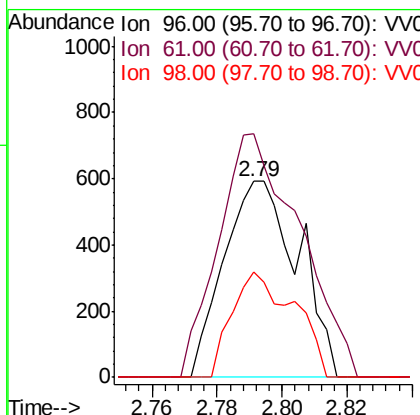
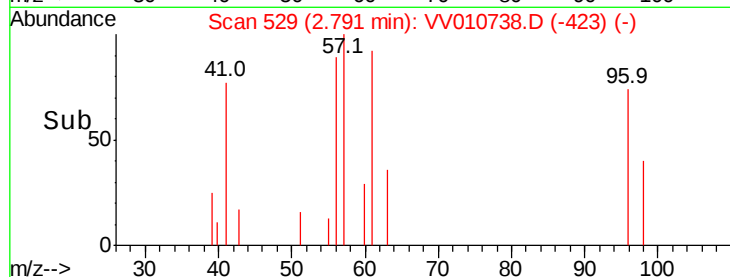
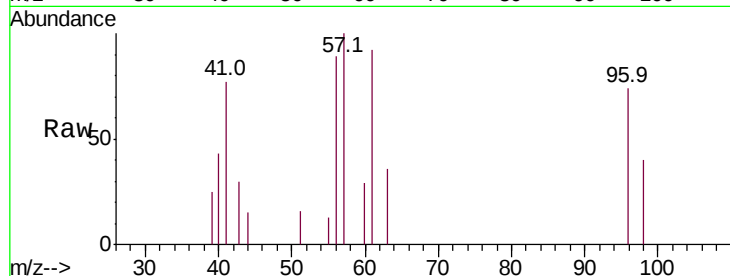
98 53.7 44.0 81.6

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5/13/2019 3:46:25 AM



#22

cis-1,2-Dichloroethene

Concen: 406.876 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.01 min

Lab File: VV010738.D

Acq: 08 May 2019 21:12

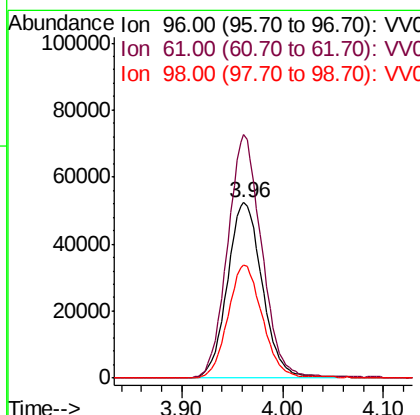
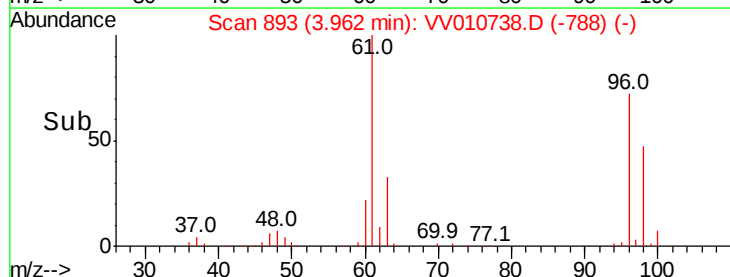
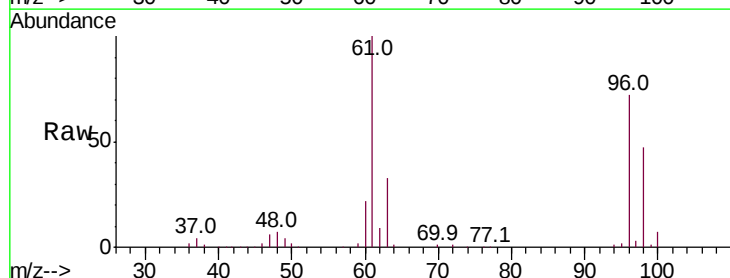
Tgt Ion: 96 Resp: 126286

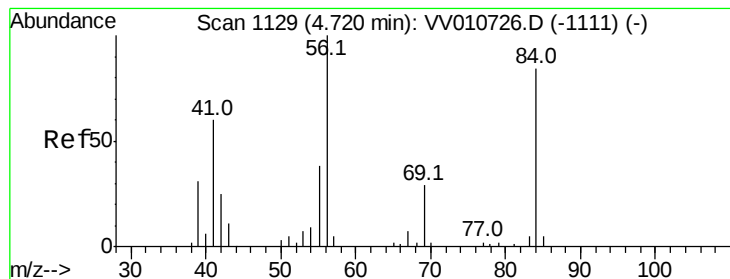
Ion Ratio Lower Upper

96 100

61 138.9 93.9 174.5

98 64.8 46.5 86.5





#30

Cvclohexane

Concen: 15.023 ug/L m

RT: 4.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VV010738.D

Acq: 08 May 2019 21:12

Instrument :

MSVOA_V

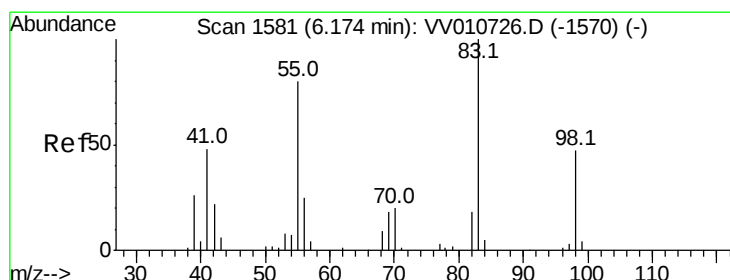
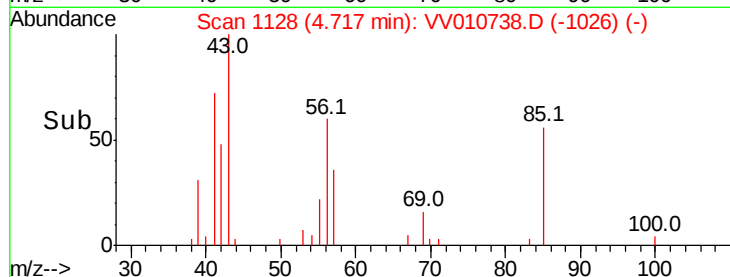
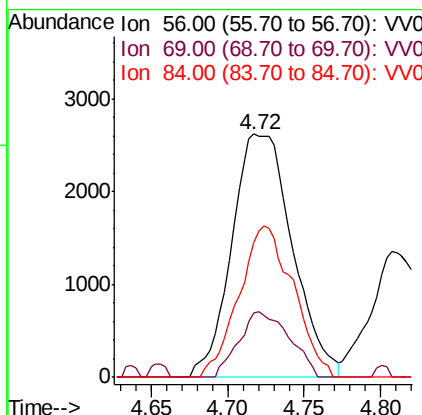
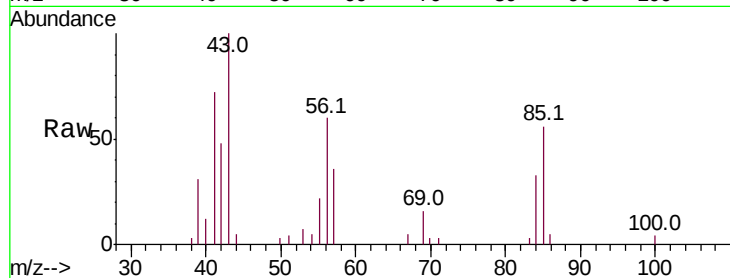
ClientSampleId :

A5162

Tot Ion:	56	Resp:	7235
Ion	Ratio	Lower	Upper
56	100		
69	22.5	24.2	36.4#
84	55.6	66.5	99.7#

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#36

Methylcyclohexane

Concen: 263.092 ug/L

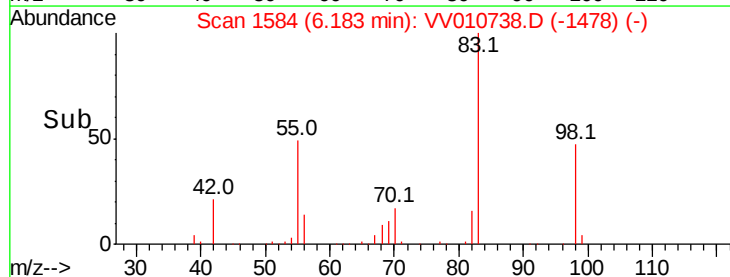
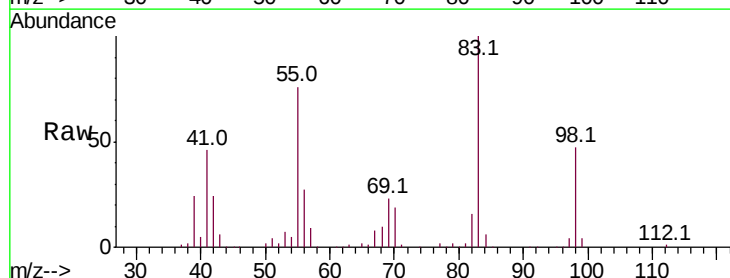
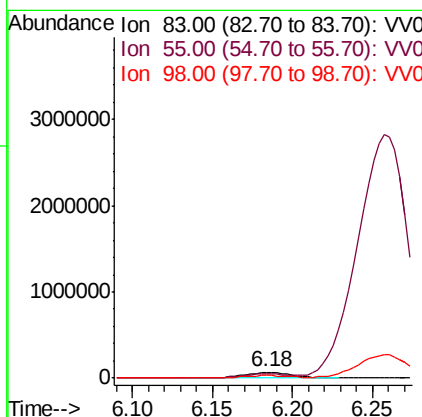
RT: 6.18 min Scan# 1584

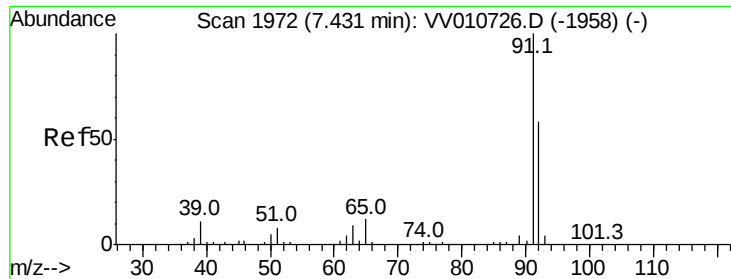
Delta R.T. 0.01 min

Lab File: VV010738.D

Acq: 08 May 2019 21:12

Tgt Ion:	83	Resp:	133140
Ion	Ratio	Lower	Upper
83	100		
55	69.0	64.6	96.8
98	43.8	37.7	56.5





#44

Toluene

Concen: 6.833 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV010738.D

Acq: 08 May 2019 21:12

Instrument :

MSVOA_V

ClientSampled :

A5162

Tot Ion: 91 Resp: 8748

Ion Ratio Lower Upper

91 100

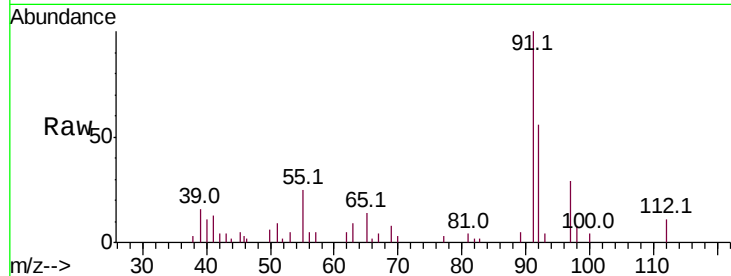
92 56.0 40.1 74.5

Manual Integrations

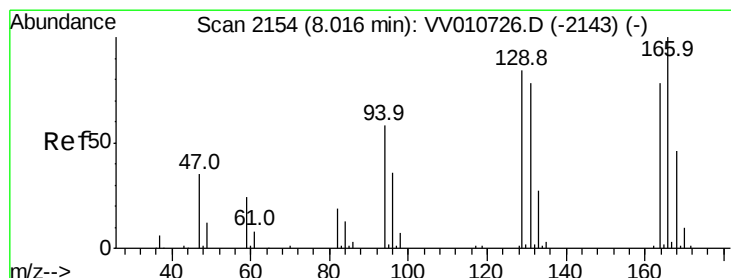
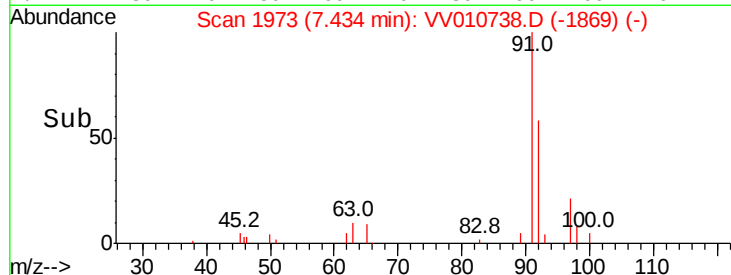
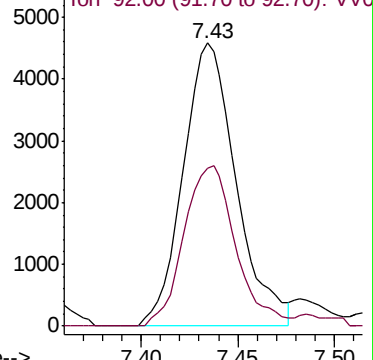
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Abundance Ion 91.00 (90.70 to 91.70): VV010738.D (-1869) (-)



#47

Tetrachloroethene

Concen: 2.637 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.01 min

Lab File: VV010738.D

Acq: 08 May 2019 21:12

Tgt Ion: 164 Resp: 603

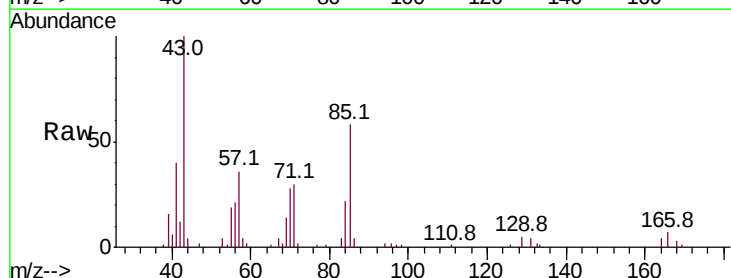
Ion Ratio Lower Upper

164 100

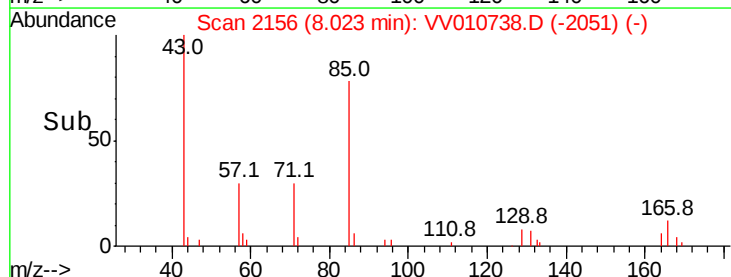
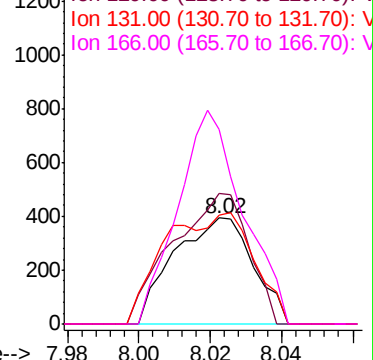
129 123.2 69.3 128.7

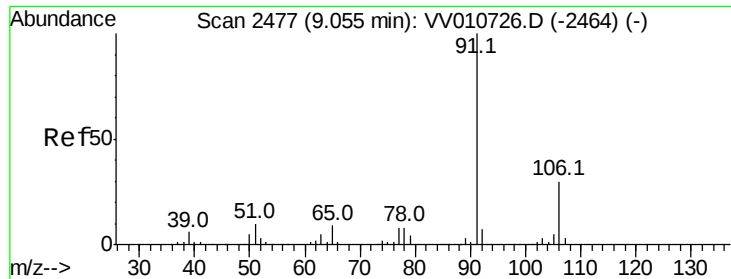
131 103.1 67.3 125.1

166 184.2 81.1 150.7#



Abundance Ion 164.00 (163.70 to 164.70): VV010738.D (-2051) (-)





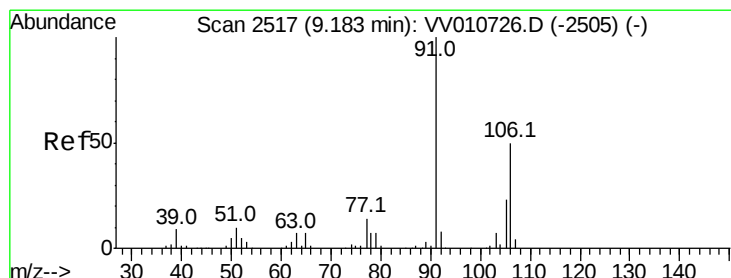
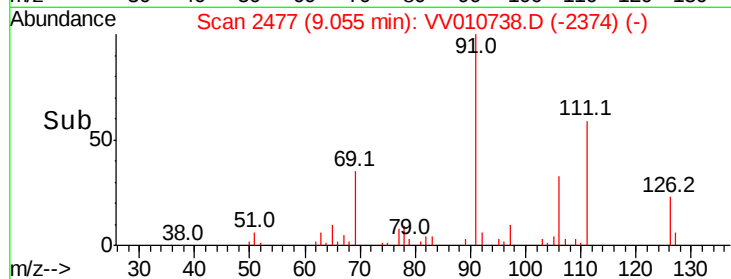
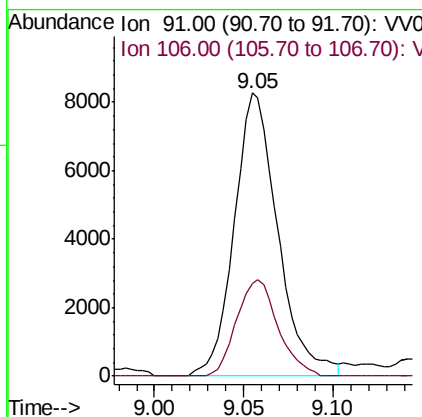
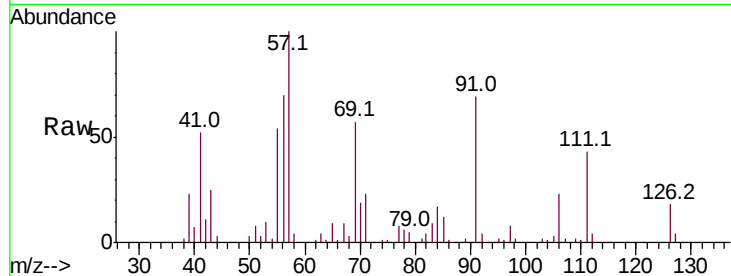
#53
Ethylbenzene
Concen: 9.522 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV010738.D
Acq: 08 May 2019 21:12

Instrument :
MSVOA_V
ClientSampleId :
A5162

Tot Ion: 91 Resp: 14135
Ion Ratio Lower Upper
91 100
106 32.8 21.8 40.6

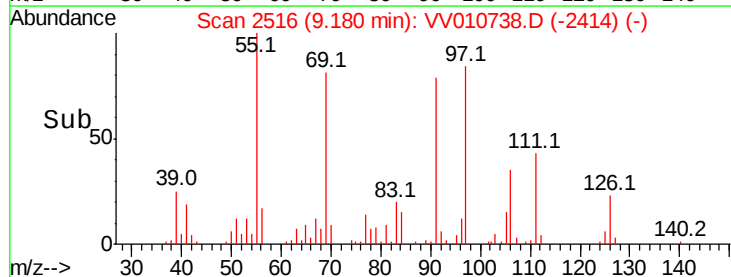
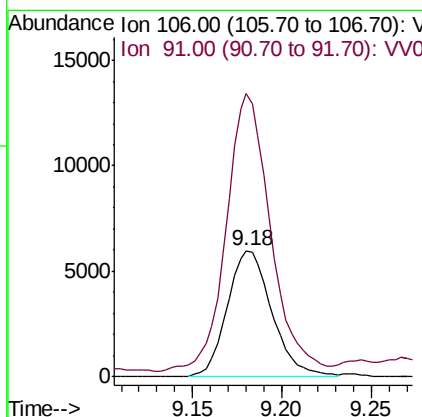
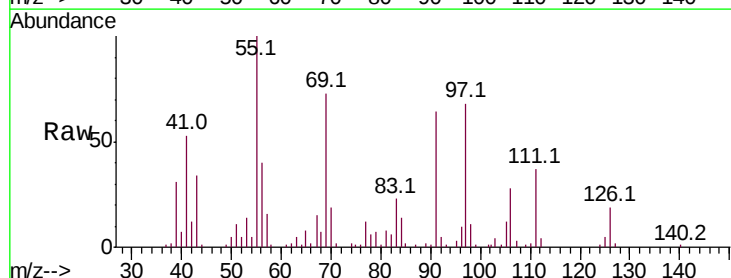
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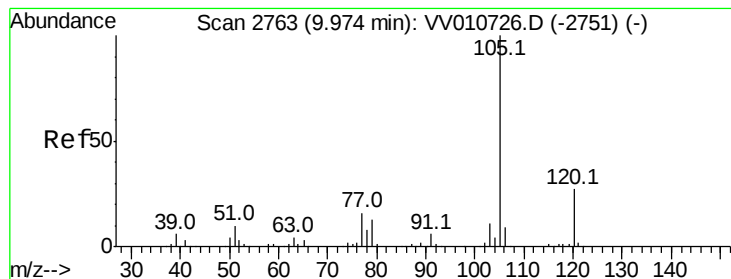
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#54
m,p-Xylene
Concen: 18.837 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV010738.D
Acq: 08 May 2019 21:12

Tgt Ion: 106 Resp: 10447
Ion Ratio Lower Upper
106 100
91 224.2 145.4 270.0





#57

Isopropylbenzene

Concen: 39.401 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV010738.D

Acq: 08 May 2019 21:12

Instrument :

MSVOA_V

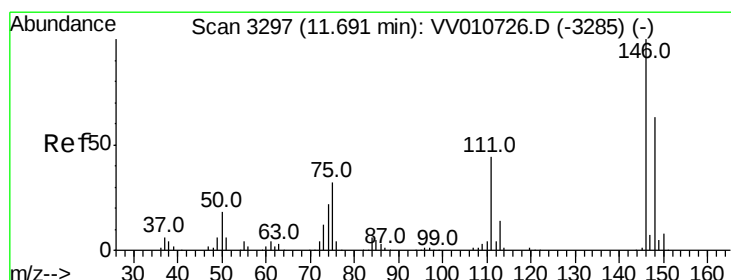
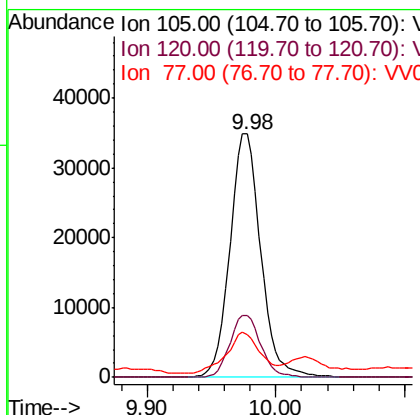
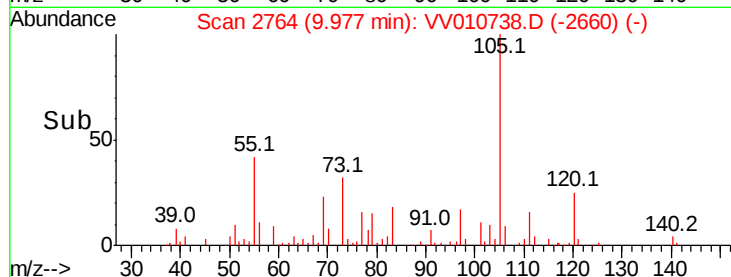
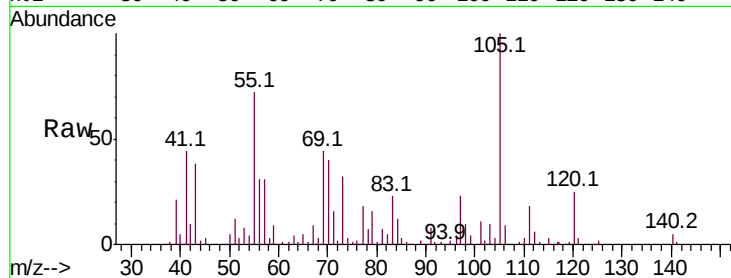
ClientSampleId :

A5162

Tot Ion:	105	Resp:	57828
Ion Ratio	Lower	Upper	
105	100		
120	25.4	20.9	31.3
77	18.3	12.8	19.2

Manual Integrations
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5/13/2019 3:46:25 AM



#65

1,2-Dichlorobenzene

Concen: 4.615 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010738.D

Acq: 08 May 2019 21:12

Tgt Ion:	146	Resp:	2766
Ion Ratio	Lower	Upper	
146	100		
111	595.8	37.0	55.4#
148	75.0	51.3	76.9

