

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
 Data File : VV016257.D
 Acq On : 28 May 2020 03:24
 Operator : SY/MD
 Sample : L2766-10
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BE4Z3

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 11:55:32 AM

Quant Time: May 28 08:31:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 06:30:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	102175	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	96045	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	46937	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25395	3.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.40%
7) Chloroethane-d5	1.58	69	24845	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.13	63	37886	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	3.94	46	78403	48.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.34%
24) Chloroform-d	4.38	84	55022	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.06	65	31001	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.08	84	109321	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.10	67	33596	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.34	98	97335	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
45) trans-1,3-Dichloropropene-	7.65	79	11012	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
48) 2-Hexanone-d5	8.12	63	56773	45.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.24%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	24074	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	36328	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
8) Chloroethane	1.60	64	9239	1.848 ug/L #	74
13) Acetone	2.22	43	3023m	3.000 ug/L	
17) Methyl tert-butyl Ether	2.79	73	11001	0.741 ug/L #	1
25) Chloroform	4.41	83	10529	0.794 ug/L	98
30) Cyclohexane	4.70	56	4402	0.360 ug/L	98
33) Benzene	5.13	78	838509	30.338 ug/L	100
35) Methylcyclohexane	6.15	83	3749	0.309 ug/L	94
42) Toluene	7.41	91	11285	0.374 ug/L	93
53) Chlorobenzene	8.90	112	102058	5.480 ug/L	100
54) Ethylbenzene	9.04	91	14172	0.422 ug/L	97
55) m,p-xylene	9.16	106	59590	4.730 ug/L	98
56) o-xylene	9.57	106	5644	0.470 ug/L	97
58) Isopropylbenzene	9.95	105	55946	1.701 ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	8251	0.567 ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	13579	1.049 ug/L	93

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5/29/2020 11:55:32 AM

Quant Time: May 28 08:31:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 28 06:30:54 2020
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

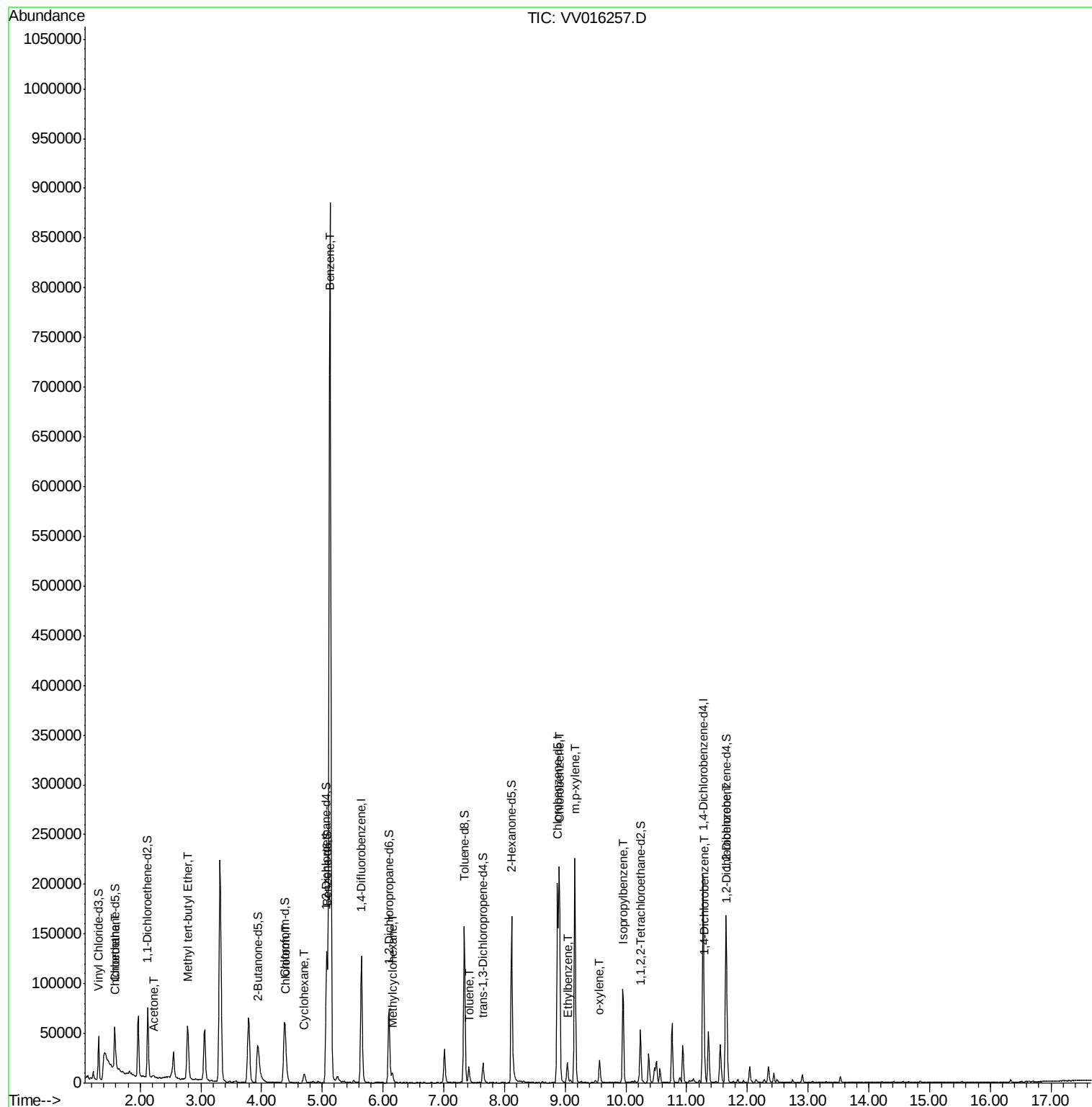
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Data File : VV016257.D
Acq On : 28 May 2020 03:24
Operator : SY/MD
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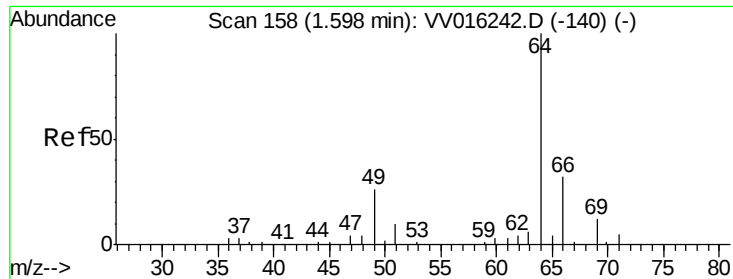
Instrument :
MSVOA_V
ClientSampleId :
BE4Z3

Manual Integrations
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QLast Update : Thu May 28 06:30:54 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 1.848 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV016257.D

Acq: 28 May 2020 03:24

Instrument :

MSVOA_V

ClientSampled :

BE4Z3

Tot Ion: 64 Resp: 9239

Ion Ratio Lower Upper

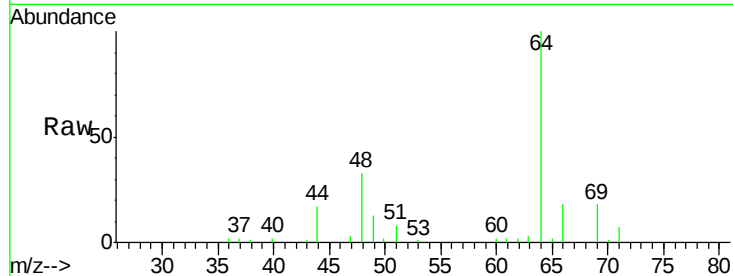
64 100

66 18.1 22.9 42.5#

Manual Integrations
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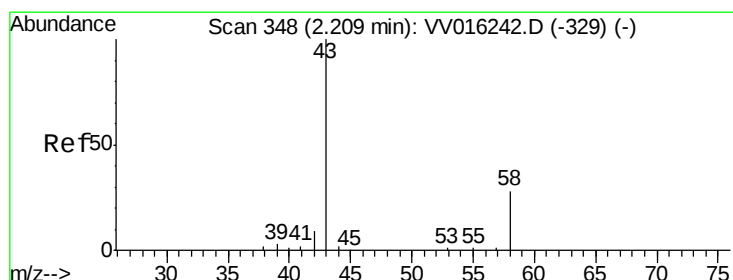
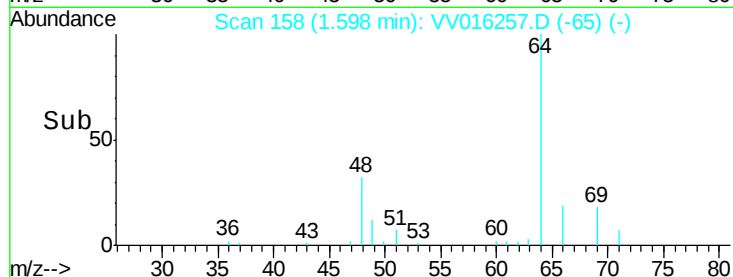
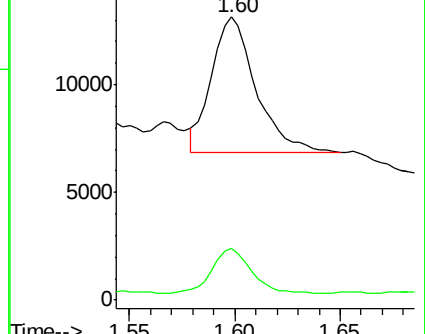
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Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#13

Acetone

Concen: 3.000 ug/L m

RT: 2.22 min Scan# 351

Delta R.T. 0.01 min

Lab File: VV016257.D

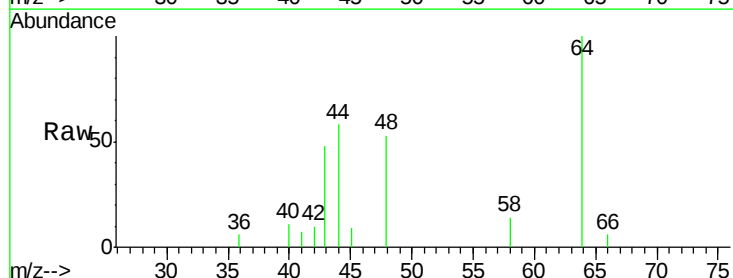
Acq: 28 May 2020 03:24

Tgt Ion: 43 Resp: 3023

Ion Ratio Lower Upper

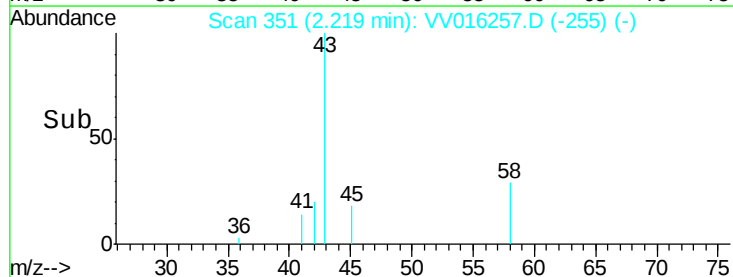
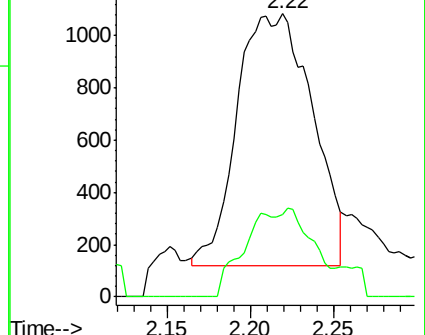
43 100

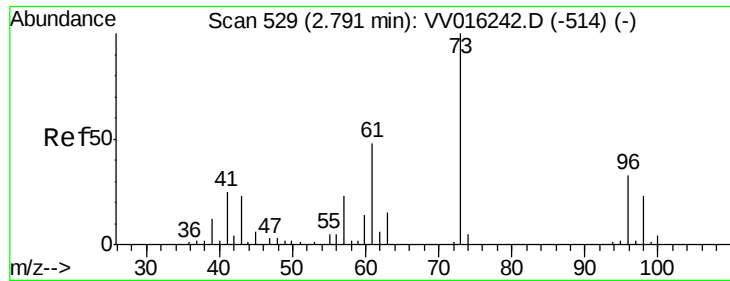
58 15.7 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





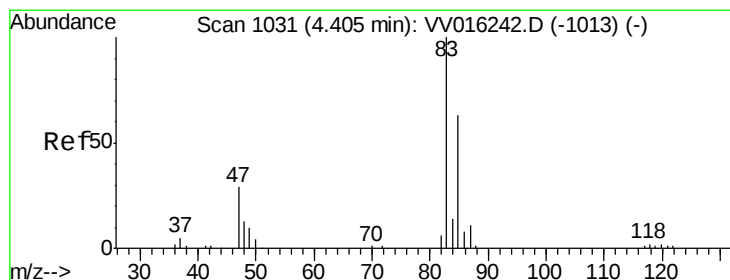
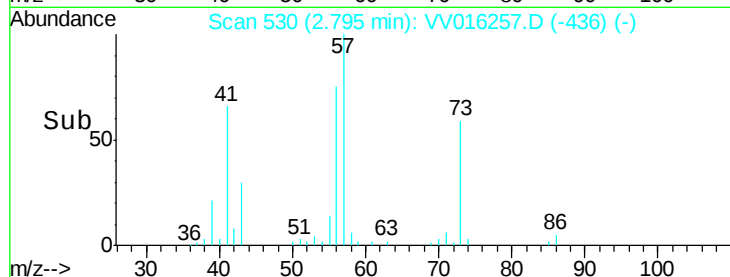
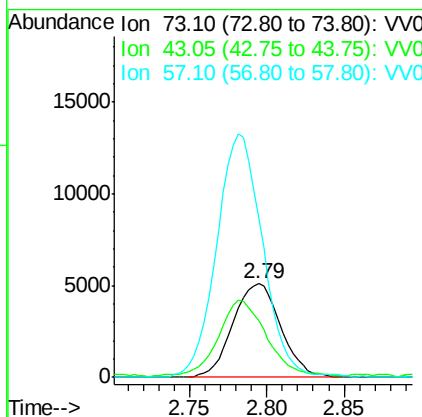
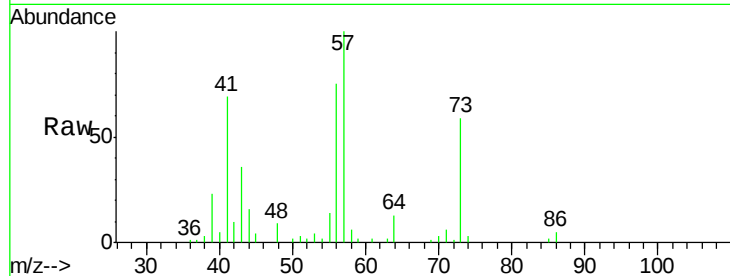
#17
Methvl tert-butvl Ether
Concen: 0.741 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV016257.D
Acq: 28 May 2020 03:24

Instrument :
MSVOA_V
ClientSampleId :
BE4Z3

Tot Ion	Ratio	Lower	Upper
73	100		
43	85.6	17.8	26.8#
57	249.6	18.9	28.3#

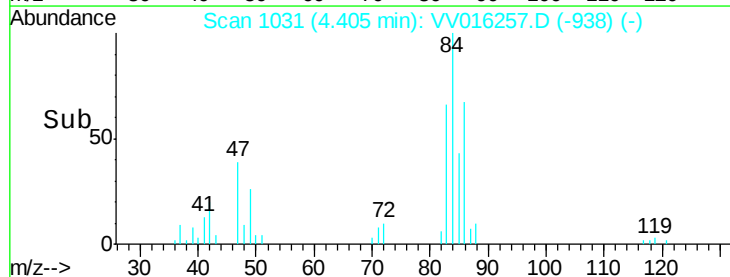
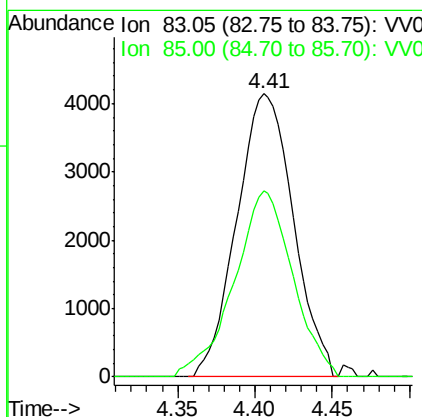
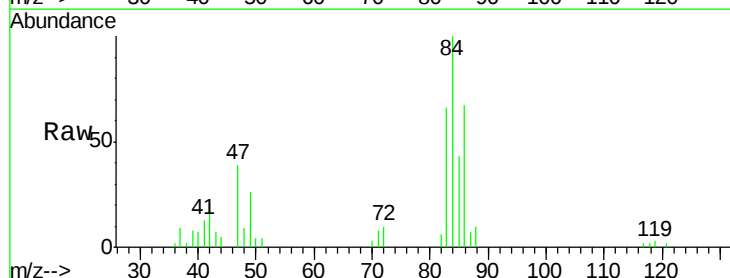
Manual Integrations
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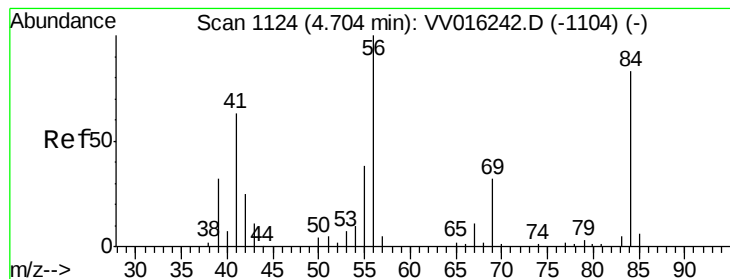
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#25
Chloroform
Concen: 0.794 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016257.D
Acq: 28 May 2020 03:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	45.1	83.7





#30

Cyclohexane

Concen: 0.360 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV016257.D

Acq: 28 May 2020 03:24

Instrument :

MSVOA_V

ClientSampleId :

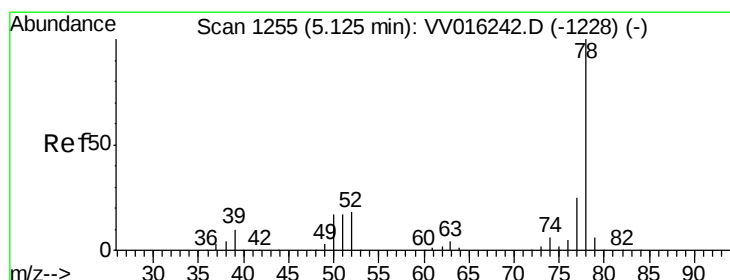
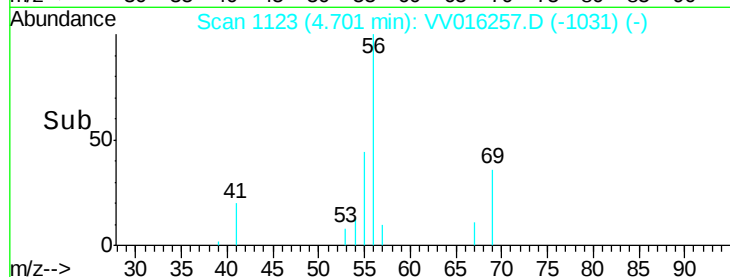
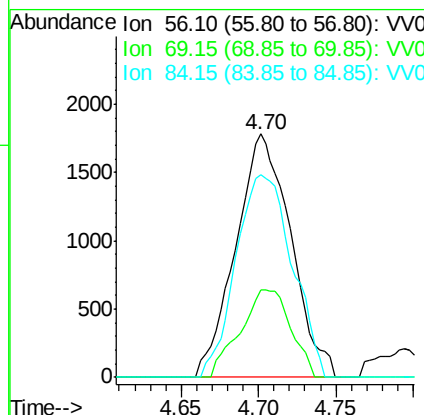
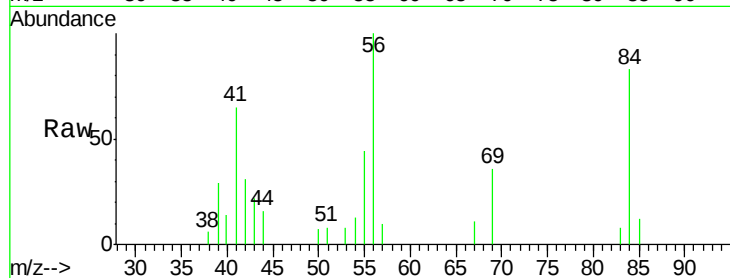
BE4Z3

Tot Ion: 56 Resp: 4402

Ion	Ratio	Lower	Upper
56	100		
69	33.1	24.6	36.8
84	85.2	67.1	100.7

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#33

Benzene

Concen: 30.338 ug/L

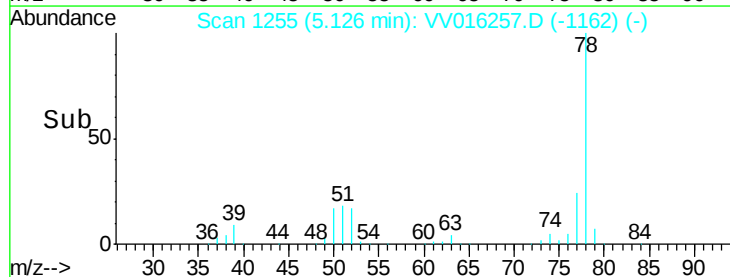
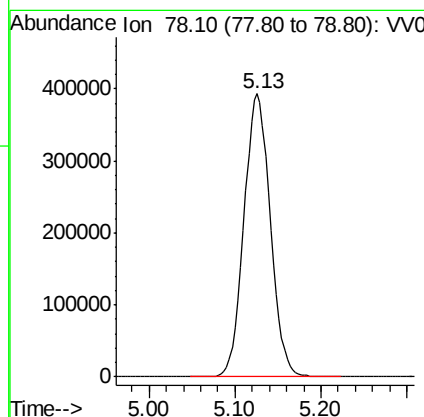
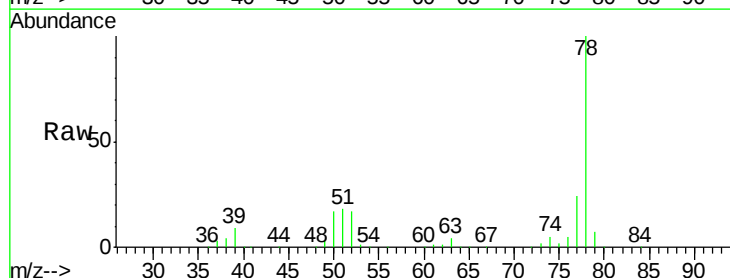
RT: 5.13 min Scan# 1255

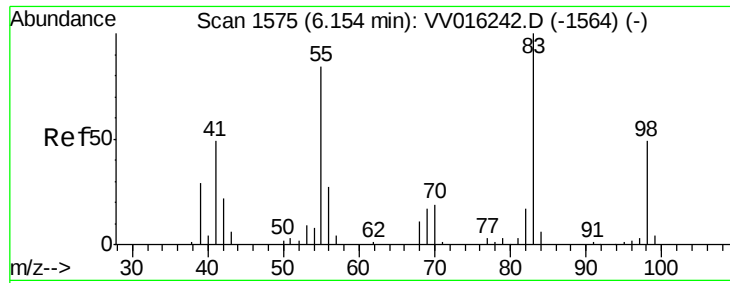
Delta R.T. 0.00 min

Lab File: VV016257.D

Acq: 28 May 2020 03:24

Tgt Ion: 78 Resp: 838509





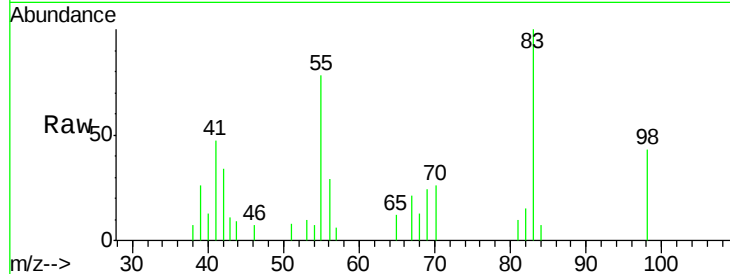
#35
Methvlcvclohexane
Concen: 0.309 ug/L
RT: 6.15 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VV016257.D
Acq: 28 May 2020 03:24

Instrument :
MSVOA_V
ClientSampleId :
BE4Z3

Tot Ion	83	Resp	3749
Ion Ratio	100	Lower	Upper
83	100		
55	86.4	65.4	98.0
98	44.7	39.3	58.9

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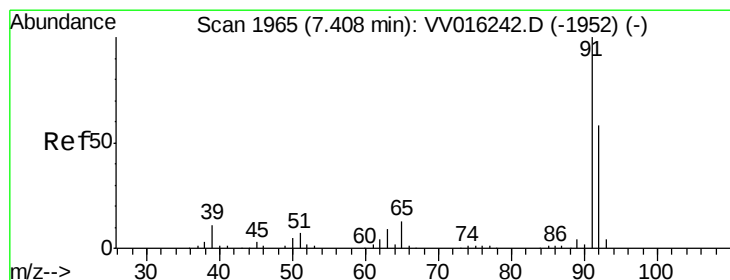
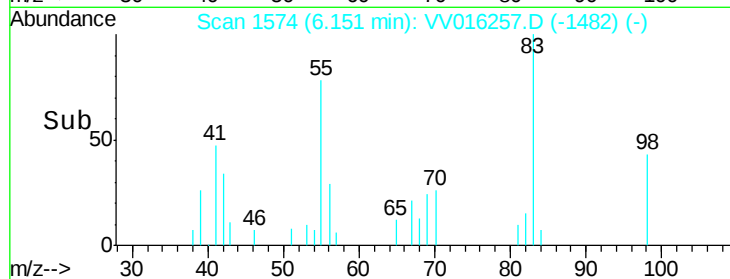
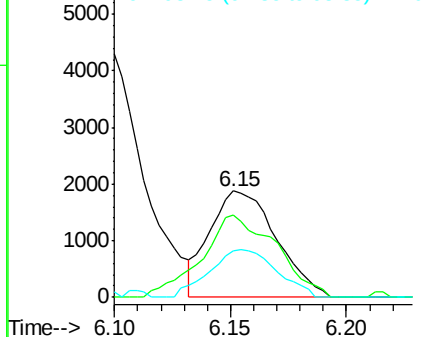


Abundance

Ion 83.15 (82.85 to 83.85): VV0

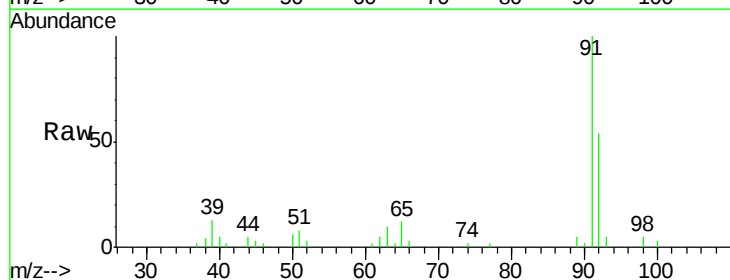
Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0



#42
Toluene
Concen: 0.374 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV016257.D
Acq: 28 May 2020 03:24

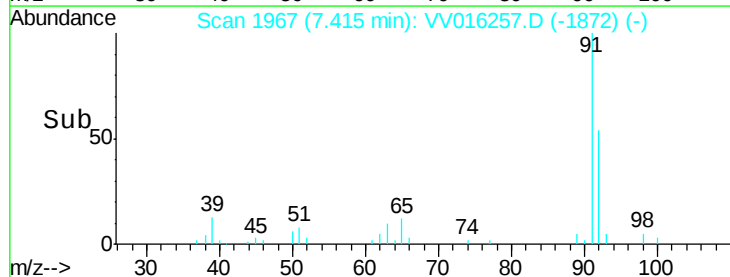
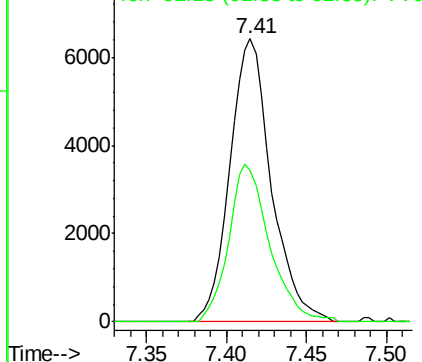
Tgt Ion	91	Resp	11285
Ion Ratio	100	Lower	Upper
91	100		
92	53.5	40.9	76.0

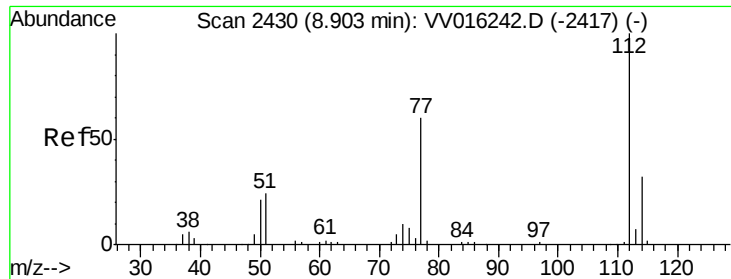


Abundance

Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0





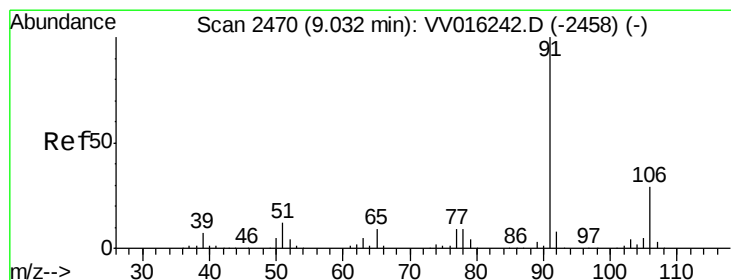
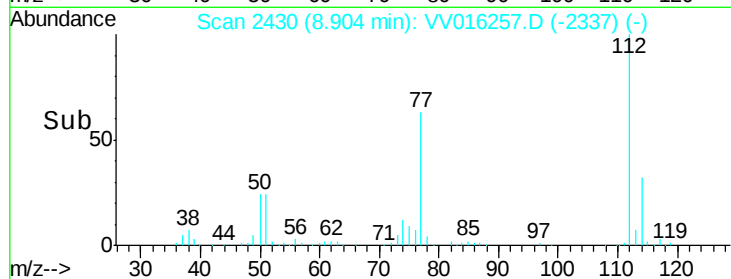
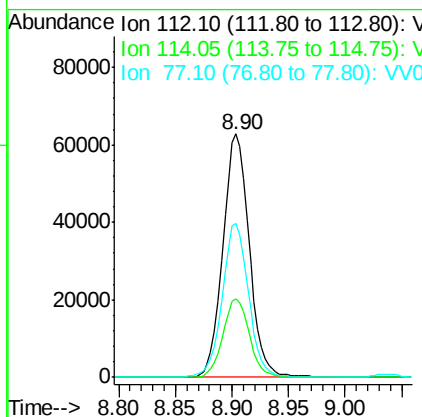
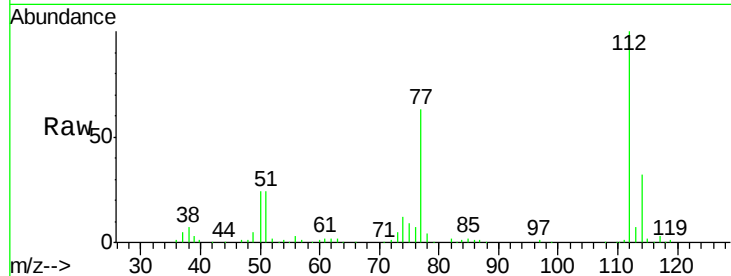
#53
Chlorobenzene
Concen: 5.480 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016257.D
Acq: 28 May 2020 03:24

Instrument :
MSVOA_V
ClientSampled :
BE4Z3

Tot Ion	Ratio	Resp	Lower	Upper
112	100	102058		
114	32.2		22.3	41.3
77	63.2		50.7	76.1

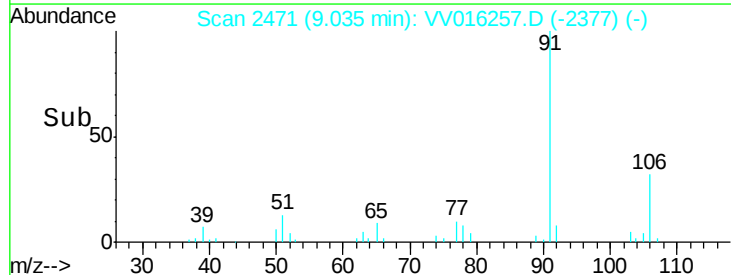
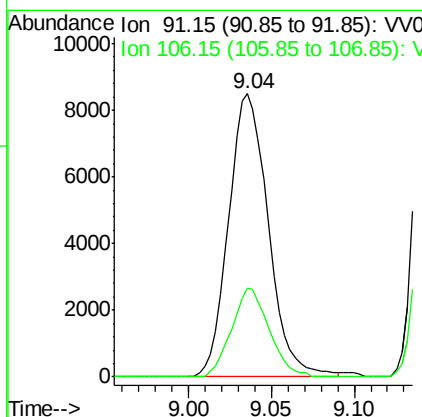
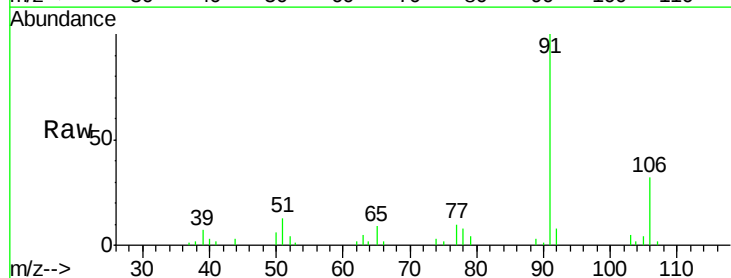
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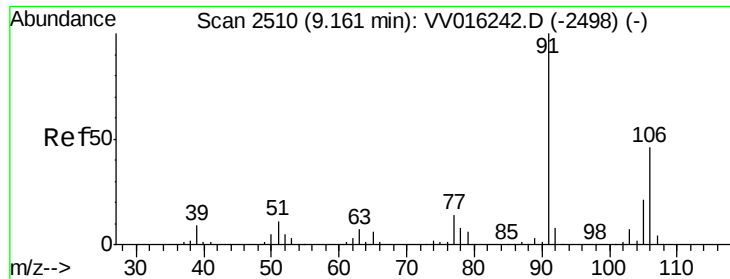
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#54
Ethylbenzene
Concen: 0.422 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016257.D
Acq: 28 May 2020 03:24

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	14172		
106	31.6		21.0	39.0





#55

m,p-xylene

Concen: 4.730 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016257.D

Acq: 28 May 2020 03:24

Instrument :

MSVOA_V

ClientSampled :

BE4Z3

Tot Ion:106 Resp: 59590

Ion Ratio Lower Upper

106 100

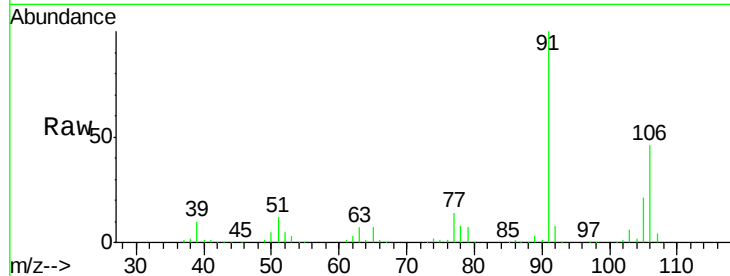
91 215.4 148.1 275.0

Manual Integrations

APPROVED

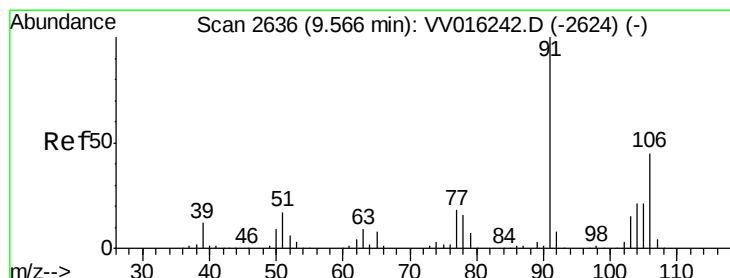
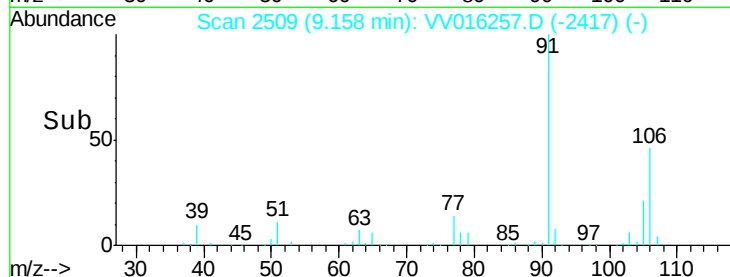
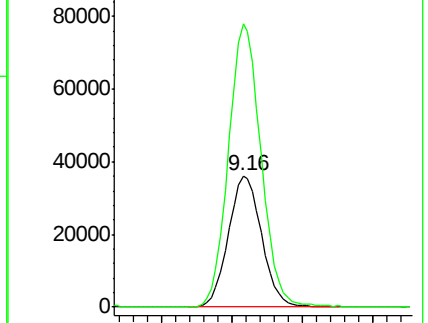
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5/29/2020 11:55:32 AM



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 0.470 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016257.D

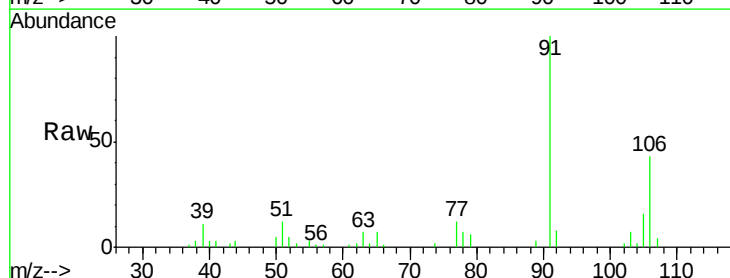
Acq: 28 May 2020 03:24

Tgt Ion:106 Resp: 5644

Ion Ratio Lower Upper

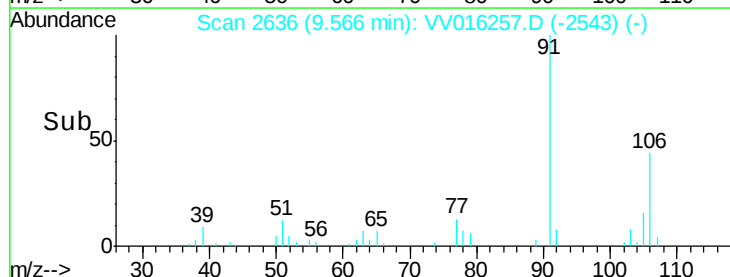
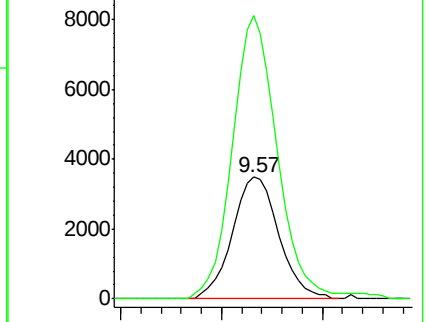
106 100

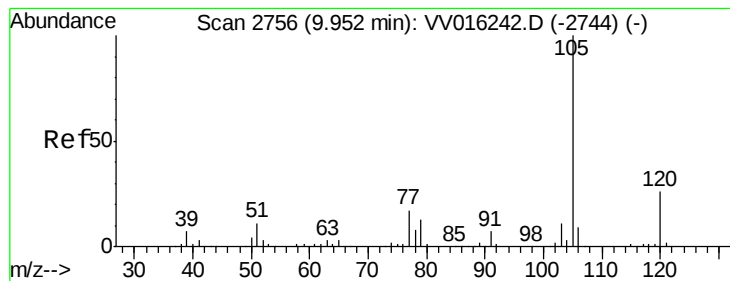
91 232.2 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#58

Isopropylbenzene

Concen: 1.701 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016257.D

Acq: 28 May 2020 03:24

Instrument :

MSVOA_V

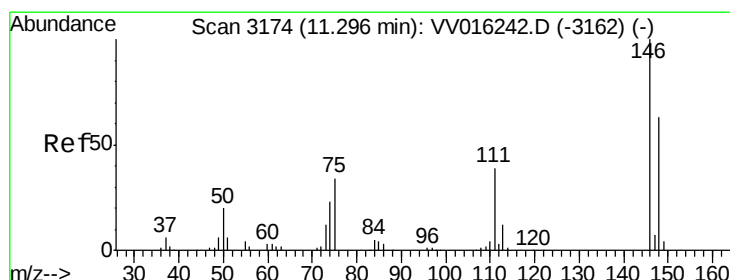
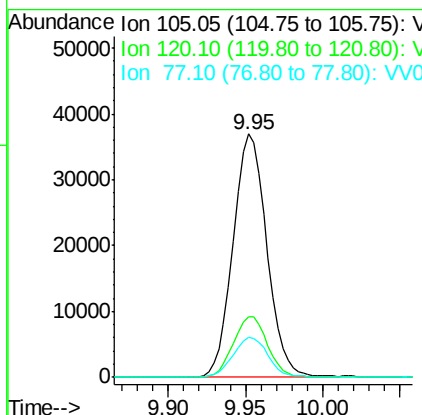
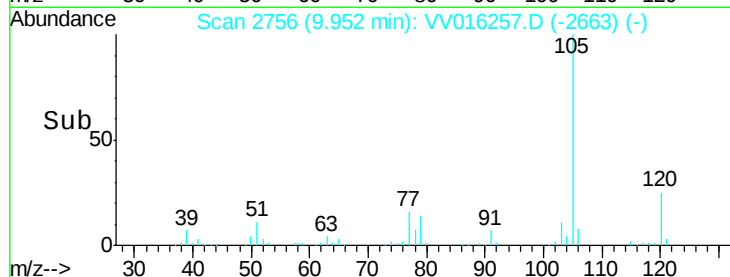
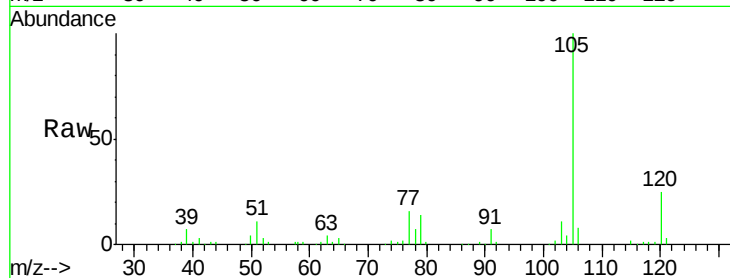
ClientSampleId :

BE4Z3

Tot Ion:	105	Resp:	55946
Ion Ratio	Lower	Upper	
105	100		
120	25.3	20.9	31.3
77	17.1	13.9	20.9

Manual Integrations
APPROVED

MMDadoda
5/29/2020 11:55:32 AM



#64

1,4-Dichlorobenzene

Concen: 0.567 ug/L

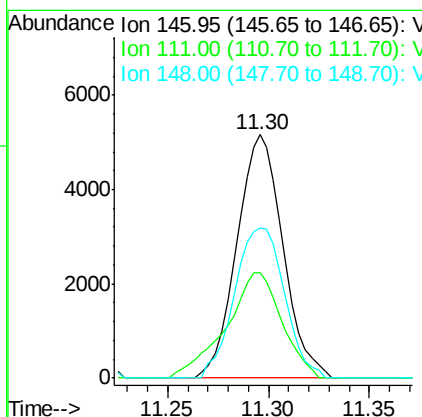
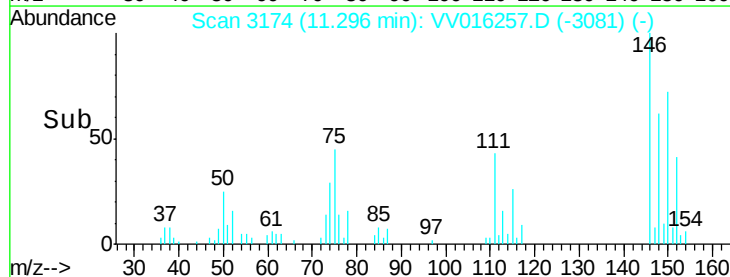
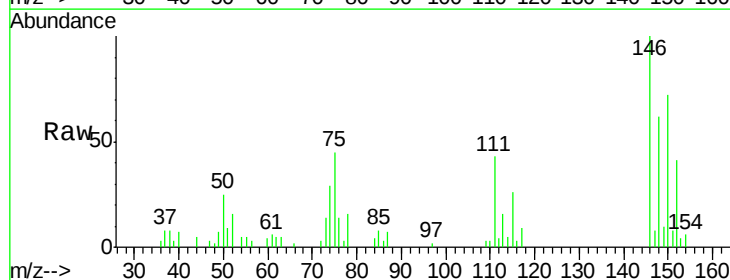
RT: 11.30 min Scan# 3174

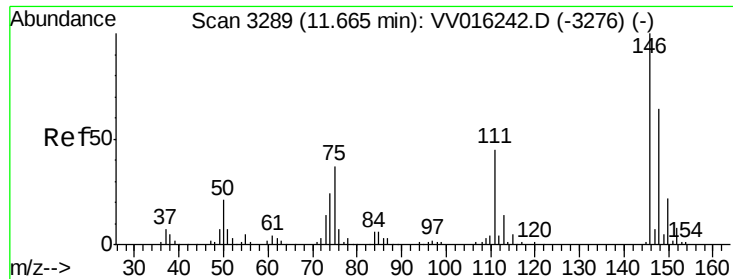
Delta R.T. 0.00 min

Lab File: VV016257.D

Acq: 28 May 2020 03:24

Tgt Ion:	146	Resp:	8251
Ion Ratio	Lower	Upper	
146	100		
111	43.2	28.3	52.7
148	61.8	43.3	80.3





#66
 1,2-Dichlorobenzene
 Concen: 1.049 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV016257.D
 Acq: 28 May 2020 03:24

Instrument :
 MSVOA_V
 ClientSampleId :
 BE4Z3

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	35.7	53.5
148	57.4	51.3	76.9

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 11:55:32 AM

