

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
 Data File : VV016249.D
 Acq On : 28 May 2020 00:10
 Operator : SY/MD
 Sample : L2766-06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BE4Y9

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 11:55:19 AM

Quant Time: May 28 07:30:11 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	98592	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	92924	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	43842	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27680	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.58	69	24388	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	2.12	63	37873	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	3.96	46	81112	51.64	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.28%
24) Chloroform-d	4.38	84	57134	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.06	65	30919	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.08	84	112917	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.10	67	35399	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.34	98	101190	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
45) trans-1,3-Dichloropropene-	7.65	79	11493	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
48) 2-Hexanone-d5	8.12	63	58353	47.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.86%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	24769	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	37058	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.60	64	9839	2.040	ug/L	# 74
13) Acetone	2.24	43	3728m	3.834	ug/L	
30) Cyclohexane	4.70	56	5463	0.462	ug/L	97
33) Benzene	5.13	78	653614	24.443	ug/L	100
35) Methylcyclohexane	6.15	83	3423	0.291	ug/L	96
42) Toluene	7.41	91	48234	1.654	ug/L	99
53) Chlorobenzene	8.90	112	160271	8.894	ug/L	99
54) Ethylbenzene	9.04	91	12574	0.387	ug/L	100
55) m,p-xylene	9.16	106	12210	1.002	ug/L	97
56) o-xylene	9.57	106	3202	0.276	ug/L	96
58) Isopropylbenzene	9.95	105	11646	0.366	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	1164	0.087	ug/L	89
64) 1,4-Dichlorobenzene	11.30	146	20349	1.497	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	19989	1.653	ug/L	96

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

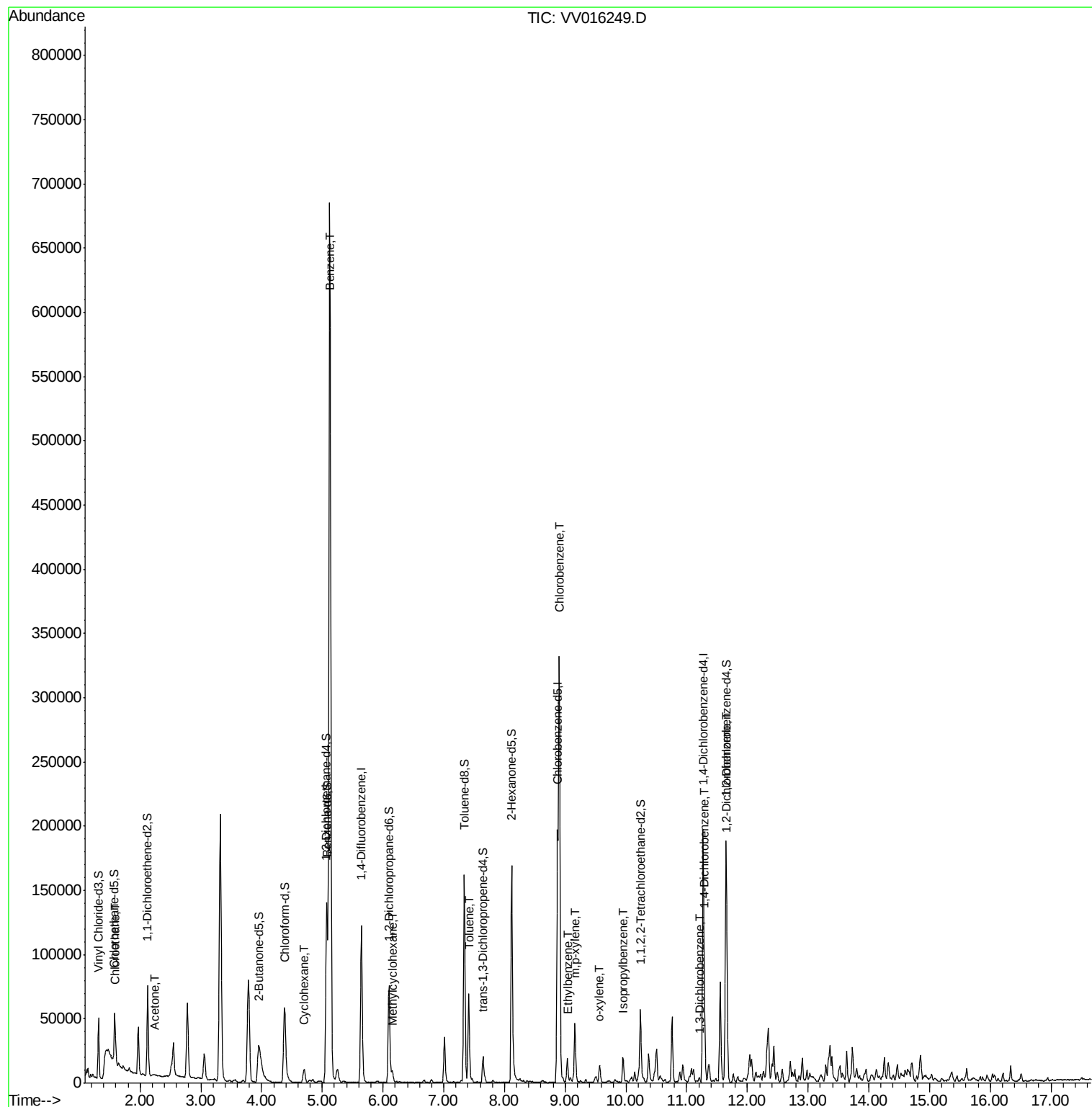
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Data File : VV016249.D
Acq On : 28 May 2020 00:10
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ALS Vial : 37 Sample Multiplier: 1

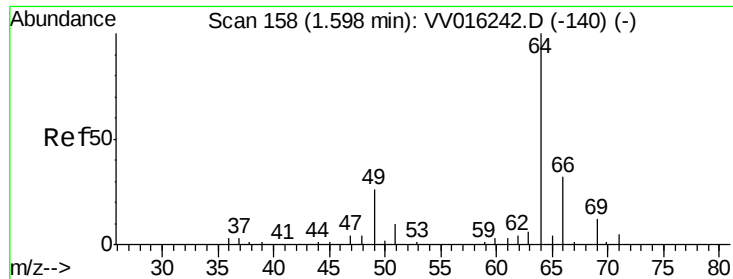
Instrument :
MSVOA_V
ClientSampleId :
BE4Y9

Manual Integrations
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Quant Time: May 28 07:30:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 28 06:30:54 2020
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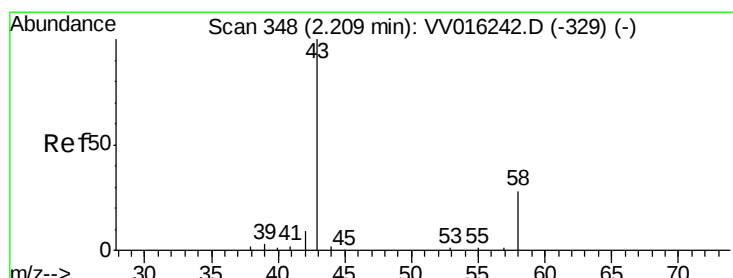
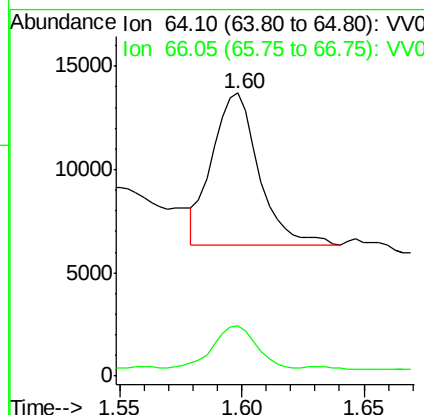
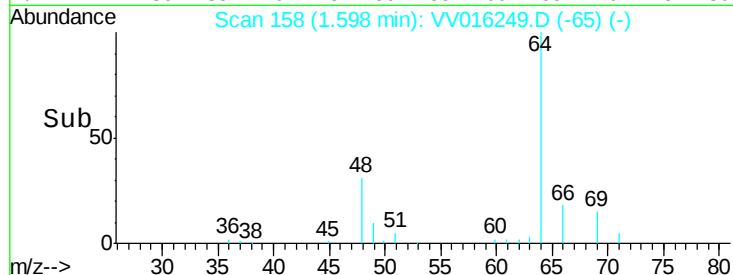
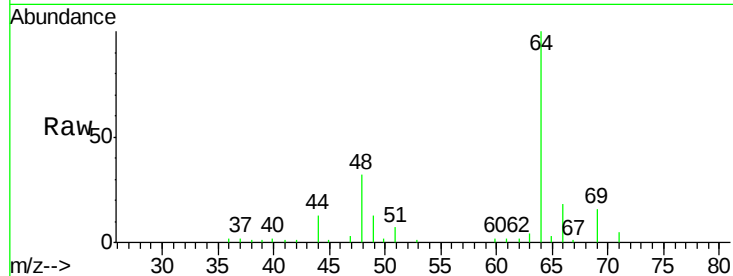
#8
 Chloroethane
 Concen: 2.040 ug/L
 RT: 1.60 min Scan# 158
 Delta R.T. 0.00 min
 Lab File: VV016249.D
 Acq: 28 May 2020 00:10

Instrument :
 MSVOA_V
 ClientSampled :
 BE4Y9

Tot Ion: 64 Resp: 9839
 Ion Ratio Lower Upper
 64 100
 66 17.9 22.9 42.5#

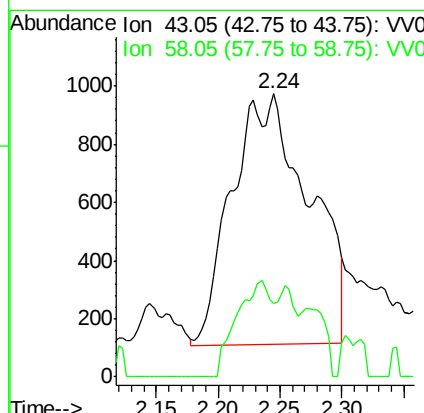
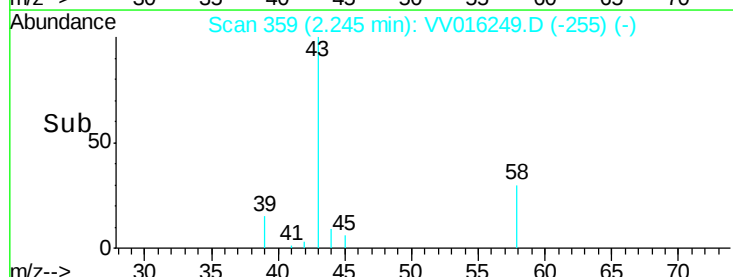
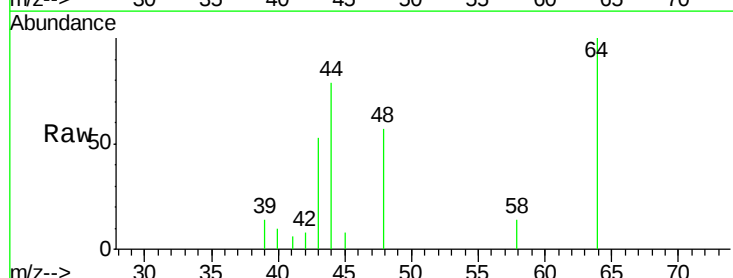
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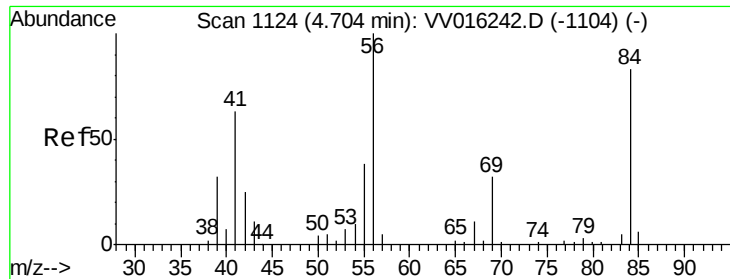
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#13
 Acetone
 Concen: 3.834 ug/L m
 RT: 2.24 min Scan# 359
 Delta R.T. 0.04 min
 Lab File: VV016249.D
 Acq: 28 May 2020 00:10

Tgt Ion: 43 Resp: 3728
 Ion Ratio Lower Upper
 43 100
 58 17.2 0.0 48.8





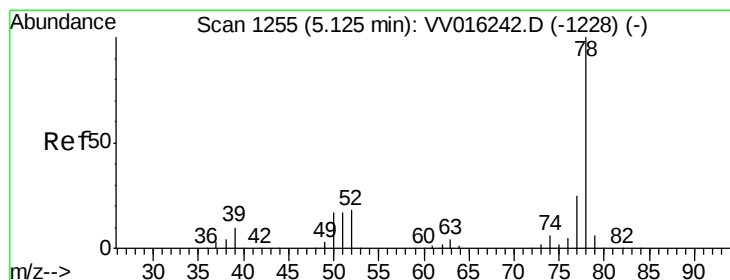
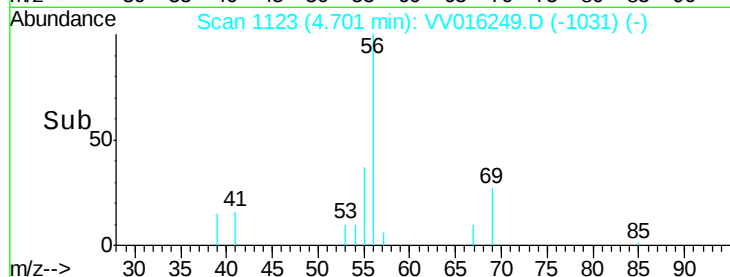
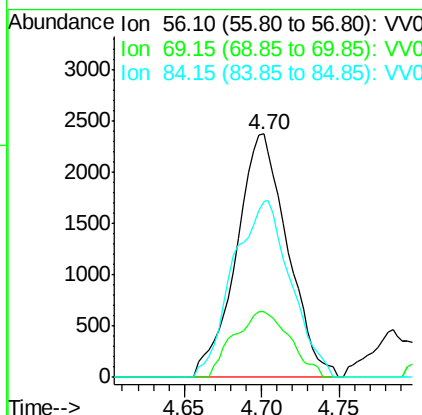
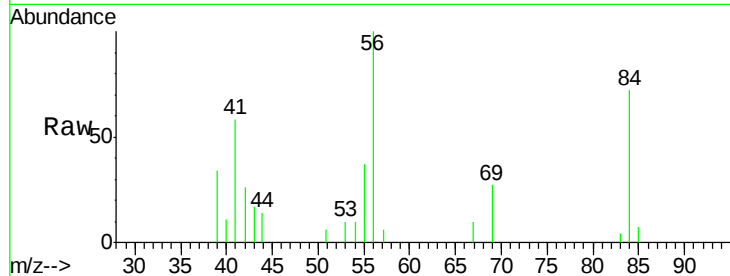
#30
Cyclohexane
Concen: 0.462 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV016249.D
Acq: 28 May 2020 00:10

Instrument :
MSVOA_V
ClientSampleId :
BE4Y9

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.6	36.8
84	81.5	67.1	100.7

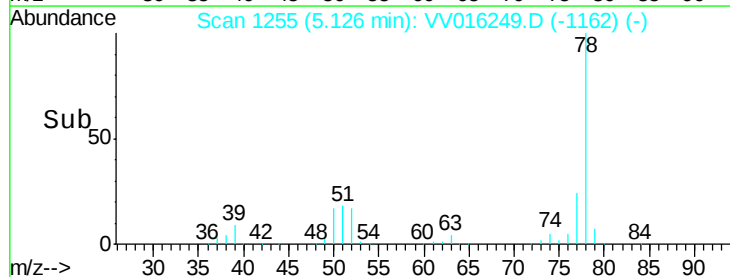
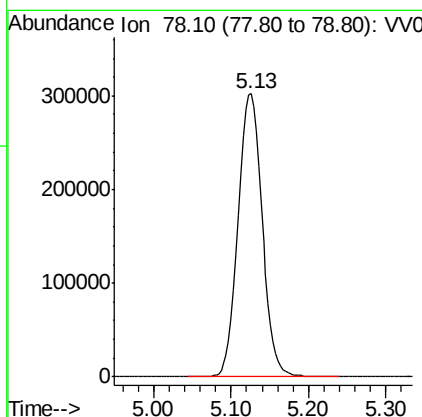
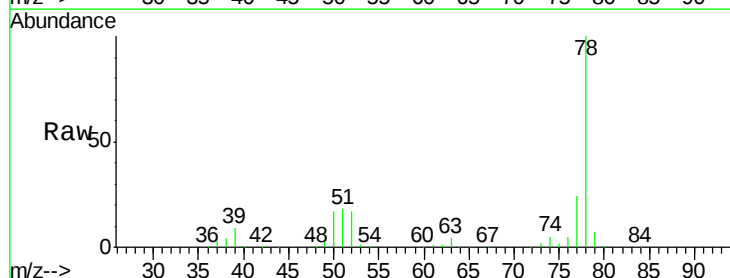
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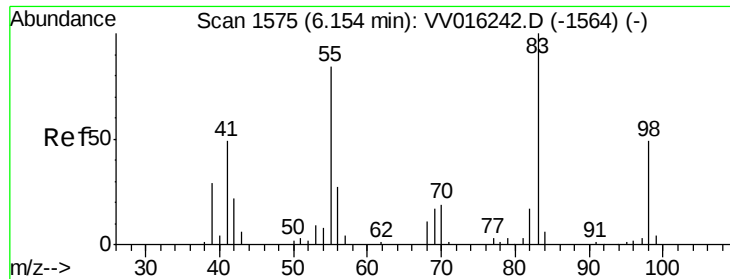
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#33
Benzene
Concen: 24.443 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV016249.D
Acq: 28 May 2020 00:10

Tgt Ion: 78 Resp: 653614





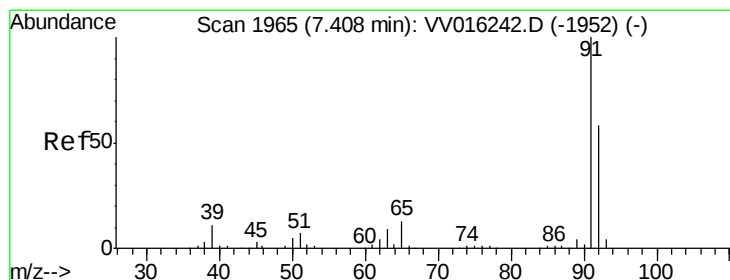
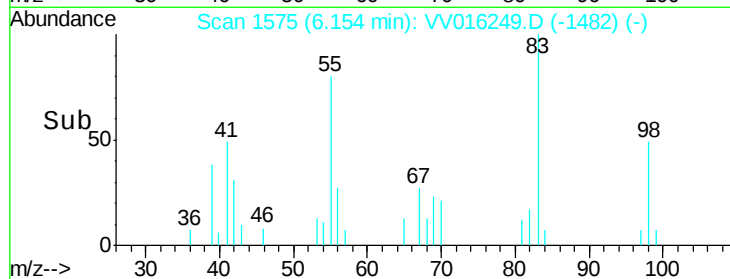
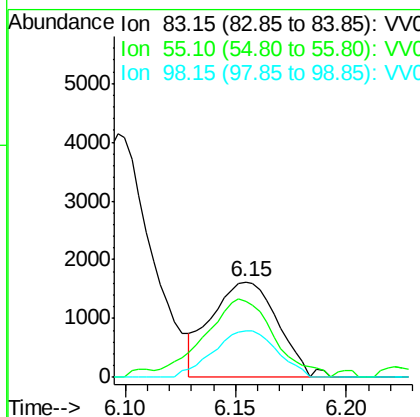
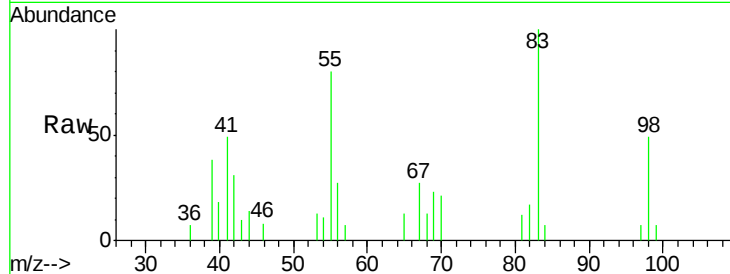
#35
Methvlcvclohexane
Concen: 0.291 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV016249.D
Acq: 28 May 2020 00:10

Instrument :
MSVOA_V
ClientSampled :
BE4Y9

Tot Ion	83.15	Resp	3423
Ion	Ratio	Lower	Upper
83	100		
55	85.0	65.4	98.0
98	46.3	39.3	58.9

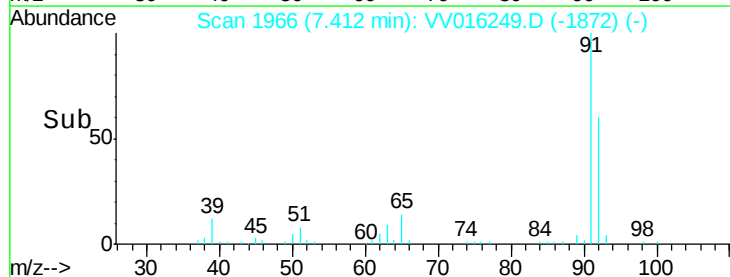
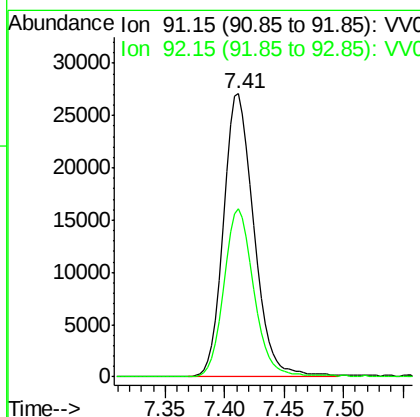
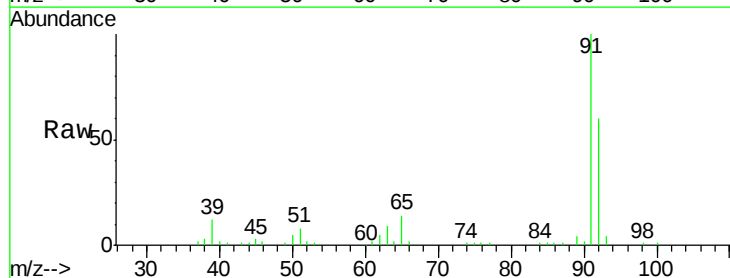
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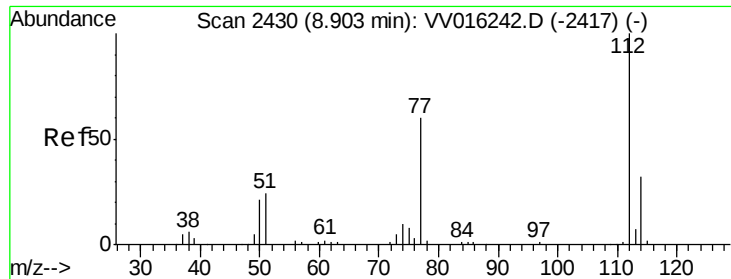
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#42
Toluene
Concen: 1.654 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VV016249.D
Acq: 28 May 2020 00:10

Tgt Ion	91	Resp	48234
Ion	Ratio	Lower	Upper
91	100		
92	59.5	40.9	76.0





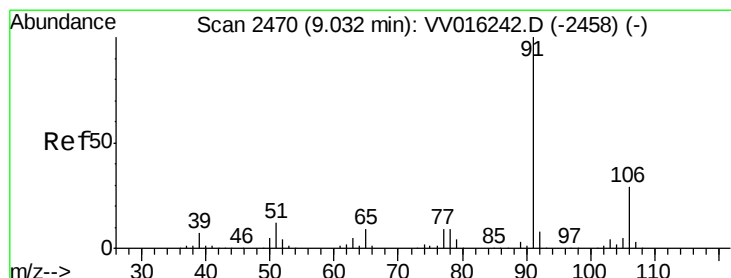
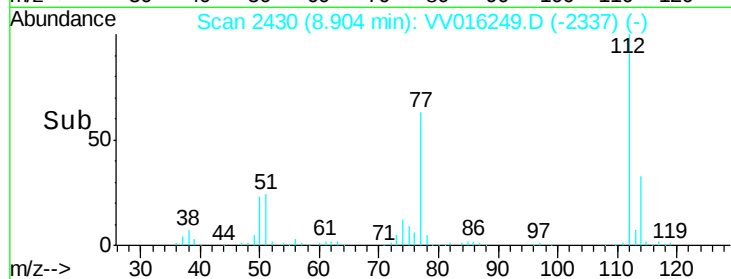
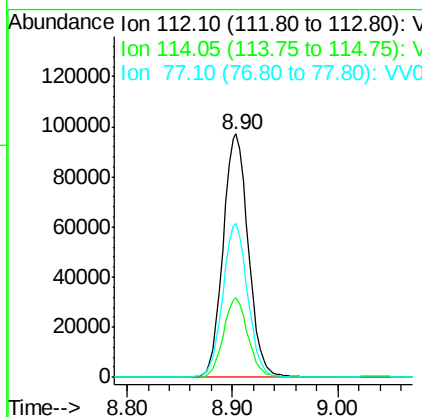
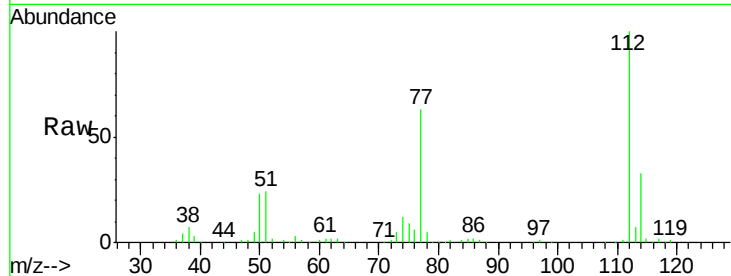
#53
Chlorobenzene
Concen: 8.894 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016249.D
Acq: 28 May 2020 00:10

Instrument :
MSVOA_V
ClientSampleId :
BE4Y9

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.3	41.3
77	63.2	50.7	76.1

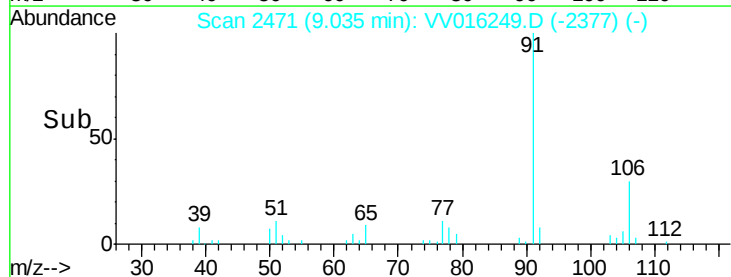
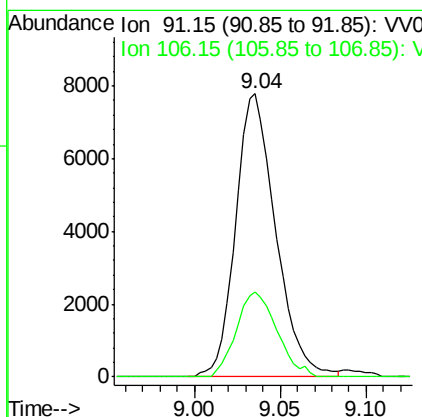
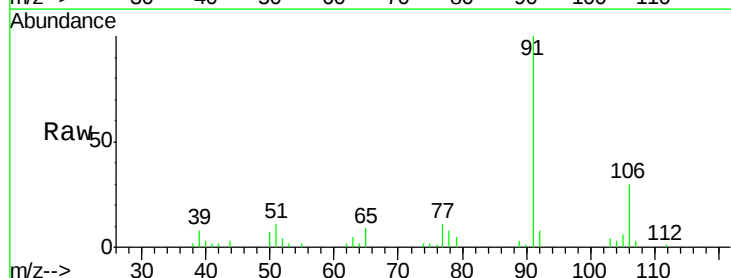
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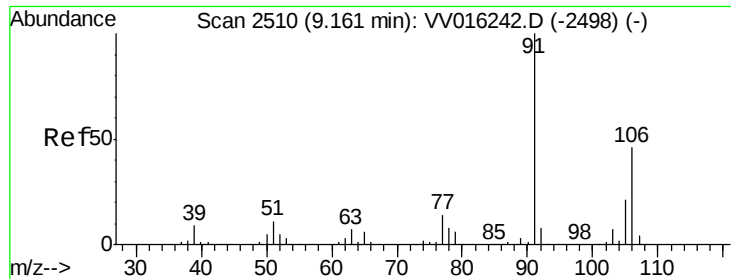
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#54
Ethylbenzene
Concen: 0.387 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016249.D
Acq: 28 May 2020 00:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	21.0	39.0





#55

m,p-xylene

Concen: 1.002 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016249.D

Acq: 28 May 2020 00:10

Instrument :

MSVOA_V

ClientSampled :

BE4Y9

Tot Ion:106 Resp: 12210

Ion Ratio Lower Upper

106 100

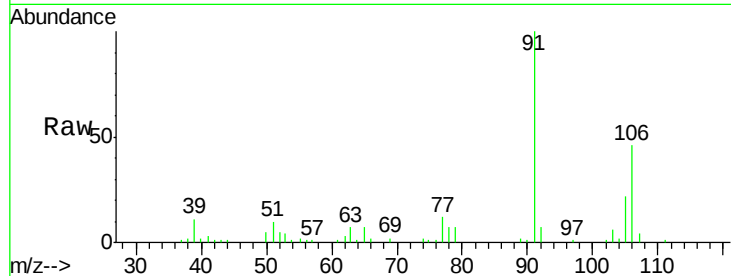
91 215.8 148.1 275.0

Manual Integrations

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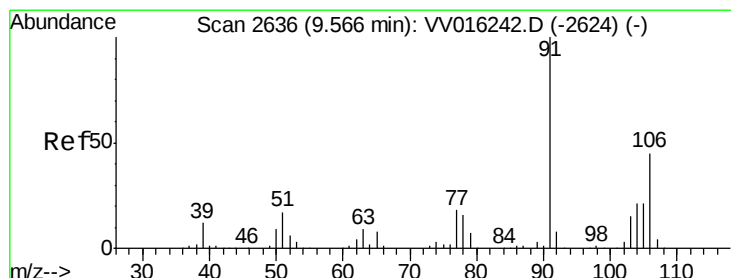
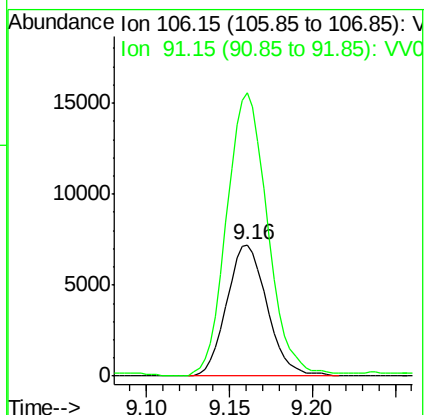
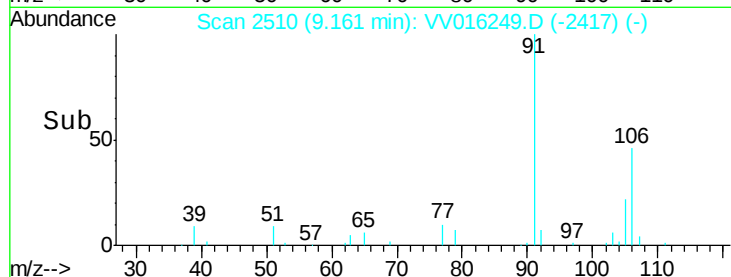
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 0.276 ug/L

RT: 9.57 min Scan# 2637

Delta R.T. 0.00 min

Lab File: VV016249.D

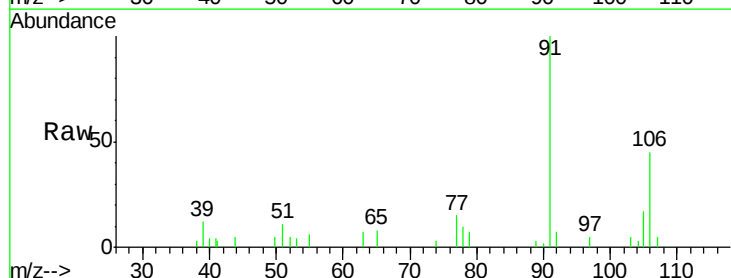
Acq: 28 May 2020 00:10

Tgt Ion:106 Resp: 3202

Ion Ratio Lower Upper

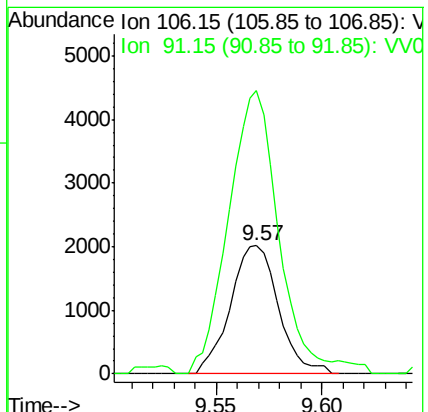
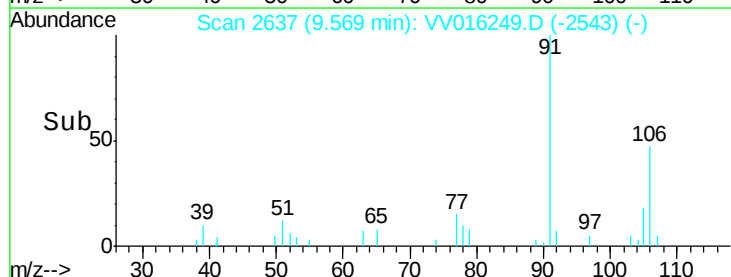
106 100

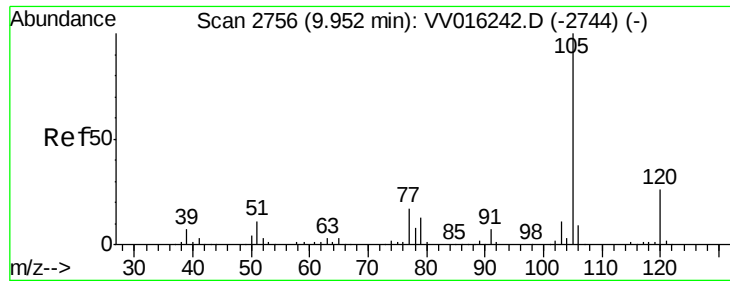
91 220.5 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#58

Isopropylbenzene

Concen: 0.366 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016249.D

Acq: 28 May 2020 00:10

Instrument :

MSVOA_V

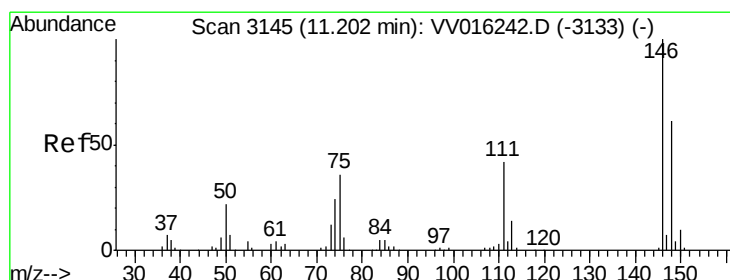
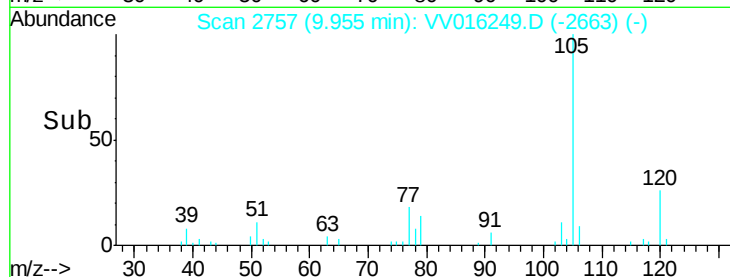
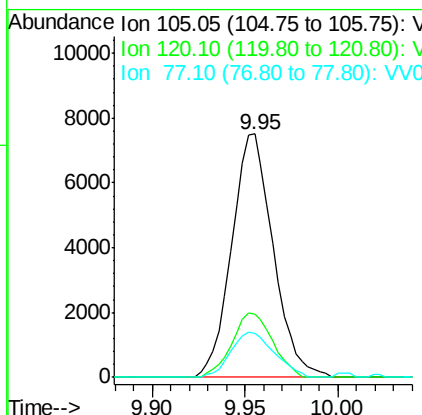
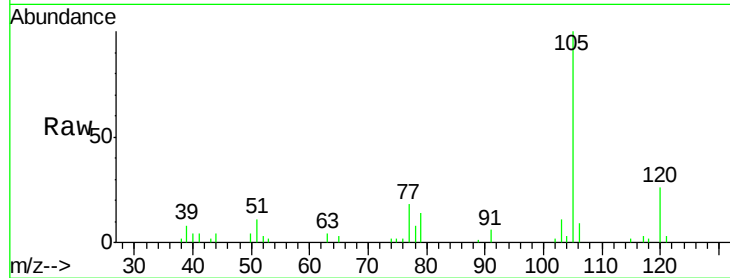
ClientSampled :

BE4Y9

Tot Ion:	105	Resp:	11646
Ion Ratio	Lower	Upper	
105	100		
120	25.9	20.9	31.3
77	19.4	13.9	20.9

Manual Integrations
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#63

1,3-Dichlorobenzene

Concen: 0.087 ug/L

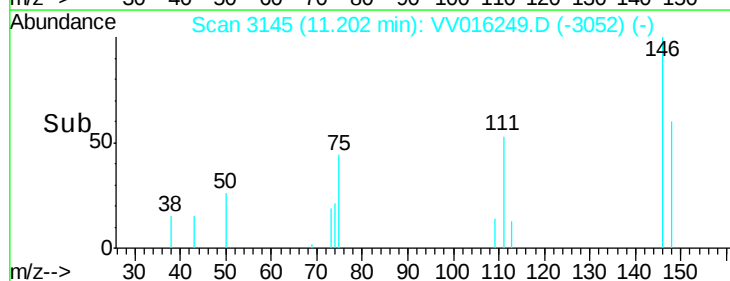
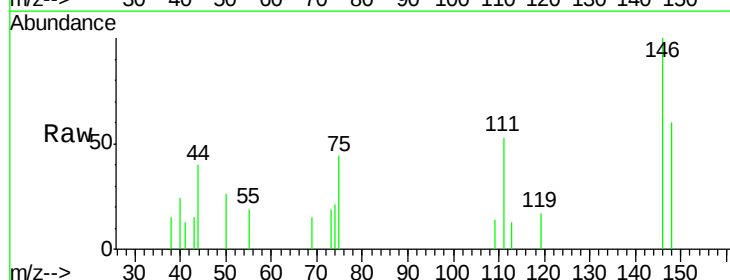
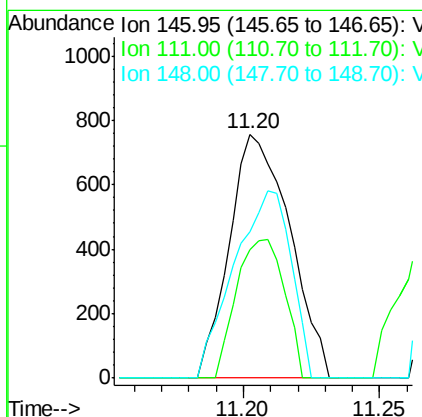
RT: 11.20 min Scan# 3145

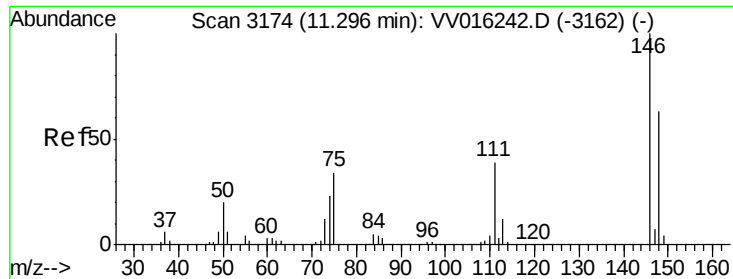
Delta R.T. 0.00 min

Lab File: VV016249.D

Acq: 28 May 2020 00:10

Tgt Ion:	146	Resp:	1164
Ion Ratio	Lower	Upper	
146	100		
111	52.9	29.7	55.1
148	60.2	45.9	85.3





#64

1,4-Dichlorobenzene

Concen: 1.497 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016249.D

Acq: 28 May 2020 00:10

Instrument :

MSVOA_V

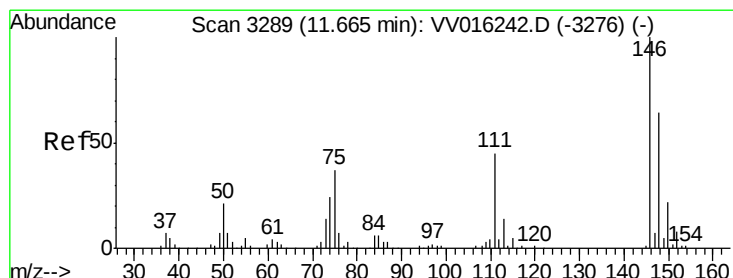
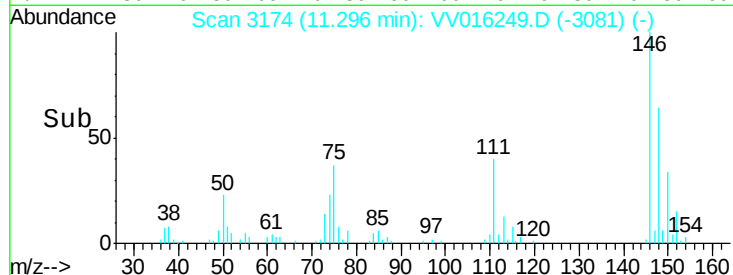
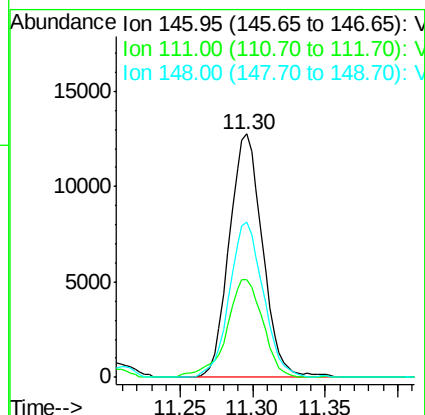
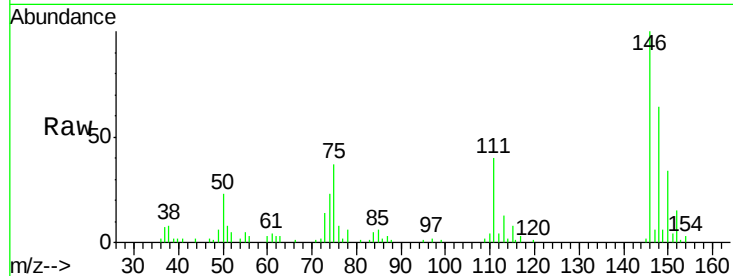
ClientSampleId :

BE4Y9

Tot Ion:	146	Resp:	20349
Ion Ratio	Lower	Upper	
146	100		
111	40.3	28.3	52.7
148	63.7	43.3	80.3

Manual Integrations
APPROVED

MMDadoda
5/29/2020 11:55:19 AM



#66

1,2-Dichlorobenzene

Concen: 1.653 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016249.D

Acq: 28 May 2020 00:10

Tgt Ion:	146	Resp:	19989
Ion Ratio	Lower	Upper	
146	100		
111	50.4	35.7	53.5
148	63.6	51.3	76.9

