

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\
 Data File : VV018448.D
 Acq On : 25 Sep 2020 12:23
 Operator : SY/MD
 Sample : L4109-17
 Misc : 5.87g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Y1

Manual Integrations
 APPROVED

MMDadoda
 9/28/2020 5:00:26 PM

Quant Time: Sep 26 00:52:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 23:36:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	410355	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	400427	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	199998	50.00	ug/L	0.02

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96785	28.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	57.88%#
7) Chloroethane-d5	1.58	69	83307	30.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	60.88%#
11) 1,1-Dichloroethene-d2	2.10	63	122380	19.95	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	39.90%#
21) 2-Butanone-d5	3.94	46	110261m	53.87	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	53.87%
24) Chloroform-d	4.38	84	211282	36.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.82%
26) 1,2-Dichloroethane-d4	5.06	65	141148	37.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.90%
32) Benzene-d6	5.07	84	444687	38.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.58%
36) 1,2-Dichloropropane-d6	6.10	67	146789	40.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.60%
41) Toluene-d8	7.34	98	423625	40.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.10%
43) trans-1,3-Dichloropropene-	7.65	79	73612	39.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.54%
47) 2-Hexanone-d5	8.16	63	140332	101.71	ug/L	0.05
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.71%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	212698	46.53	ug/L	0.04
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.06%
64) 1,2-Dichlorobenzene-d4	11.66	152	181497	44.19	ug/L	0.01
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.38%

Target Compounds

					Ovalue
19) 1,1-Dichloroethane	3.21	63	7870	1.499	ug/L 96
20) cis-1,2-Dichloroethene	3.94	96	14299	4.817	ug/L 96
29) Cyclohexane	4.69	56	178650	38.636	ug/L 100
30) 1,1,1-Trichloroethane	4.63	97	337541	72.635	ug/L 99
35) Methylcyclohexane	6.15	83	15029	3.201	ug/L 92
42) Toluene	7.41	91	20241334m	1670.658	ug/L
46) Tetrachloroethene	8.00	164	22749	9.303	ug/L 97
51) Chlorobenzene	8.91	112	60347	7.670	ug/L 97
52) Ethylbenzene	9.04	91	6283094	475.003	ug/L 97
53) m,p-Xylene	9.17	106	10944024m	2216.641	ug/L
54) o-xylene	9.58	106	6129285	1288.623	ug/L 84
55) Styrene	9.58	104	311420	37.669	ug/L # 1
56) Isopropylbenzene	9.96	105	7119948	555.419	ug/L 98
62) 1,3-Dichlorobenzene	11.23	146	14901	2.506	ug/L # 24
63) 1,4-Dichlorobenzene	11.31	146	36078	5.902	ug/L # 71
65) 1,2-Dichlorobenzene	11.68	146	327322	54.452	ug/L 97
68) 1,2,4-trichlorobenzene	13.29	180	40317	9.657	ug/L # 59

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Manual Integrations
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Quant Title : VOC Analysis
QLast Update : Fri Sep 25 23:36:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.77	180	12776	3.107	ug/L #	38

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

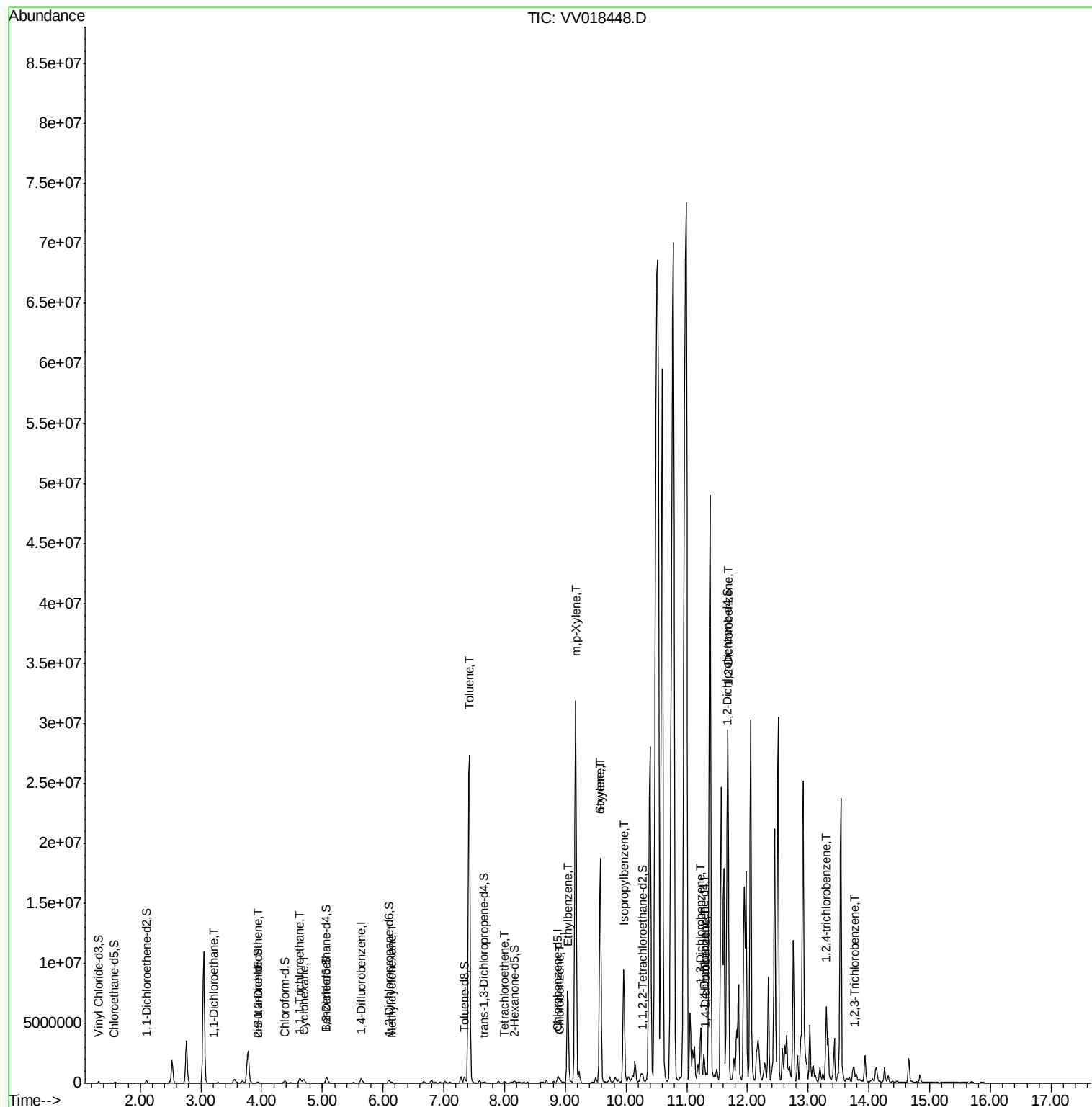
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092520\
Data File : VV018448.D
Acq On : 25 Sep 2020 12:23
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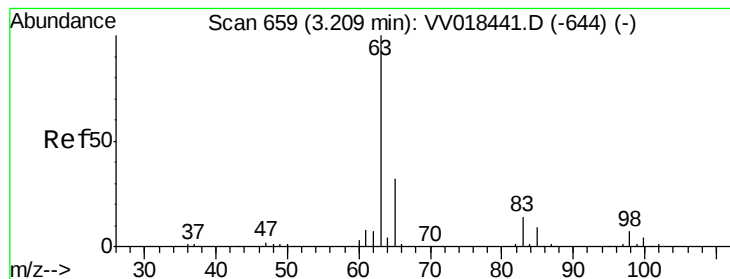
Instrument :
MSVOA_V
ClientSampleId :
BG3Y1

Manual Integrations
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Quant Time: Sep 26 00:52:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 25 23:36:18 2020
Response via : Initial Calibration





#19

1,1-Dichloroethane

Concen: 1.499 ug/L

RT: 3.21 min Scan# 658

Delta R.T. -0.00 min

Lab File: VV018448.D

Acq: 25 Sep 2020 12:23

Instrument :

MSVOA_V

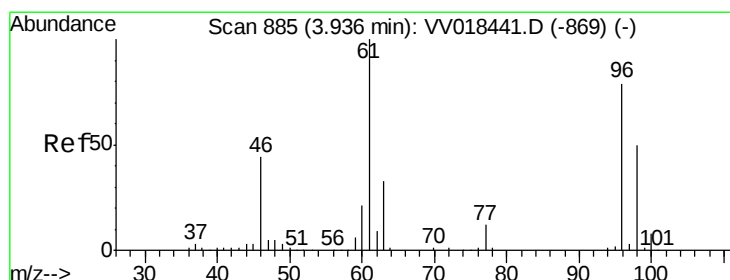
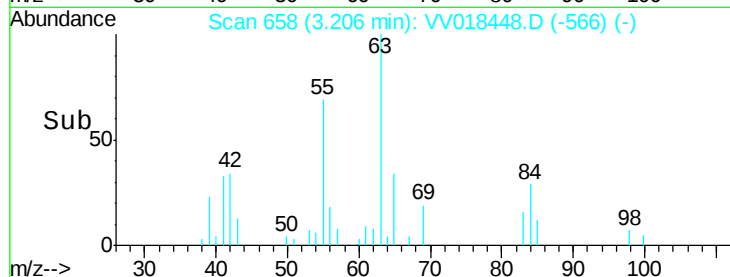
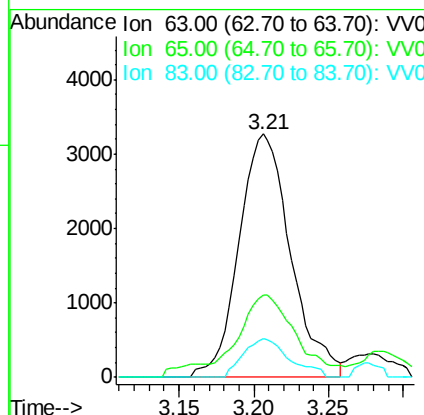
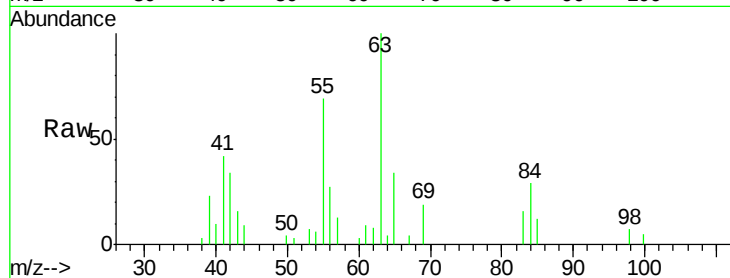
ClientSampled :

BG3Y1

Tot Ion:	63	Resp:	7870
Ion	Ratio	Lower	Upper
63	100		
65	33.7	22.5	41.7
83	15.9	9.3	17.3

Manual Integrations
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#20

cis-1,2-Dichloroethene

Concen: 4.817 ug/L

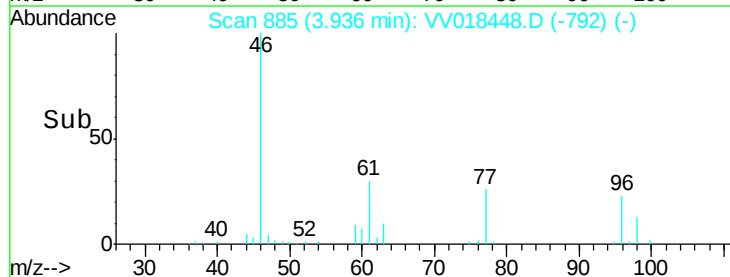
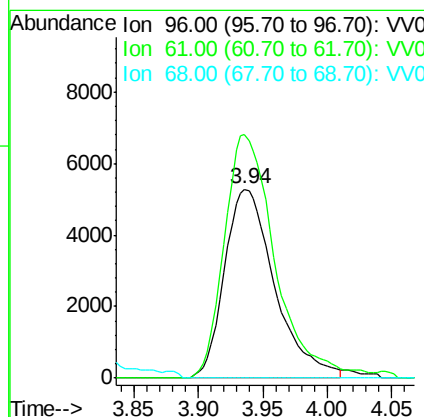
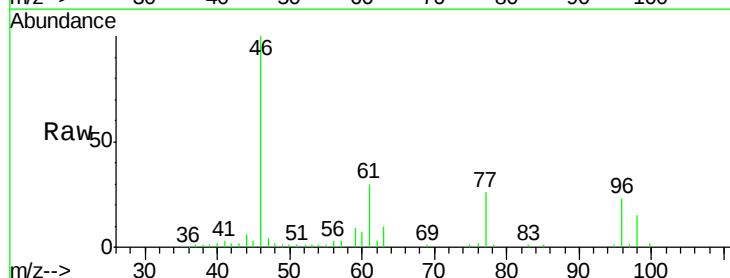
RT: 3.94 min Scan# 885

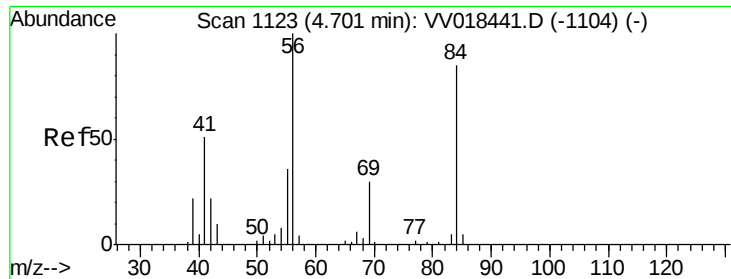
Delta R.T. -0.00 min

Lab File: VV018448.D

Acq: 25 Sep 2020 12:23

Tgt Ion:	96	Resp:	14299
Ion	Ratio	Lower	Upper
96	100		
61	128.9	93.6	173.8
68	0.0	0.0	0.0





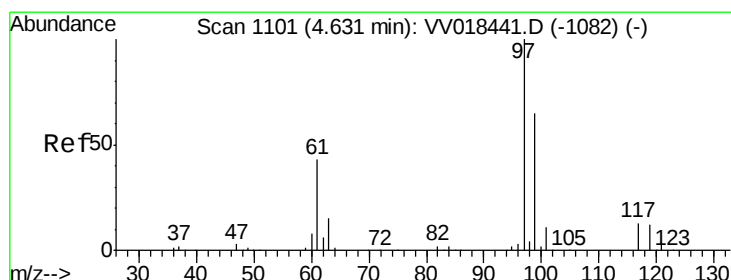
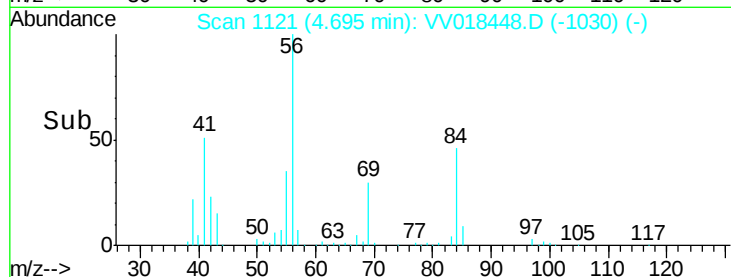
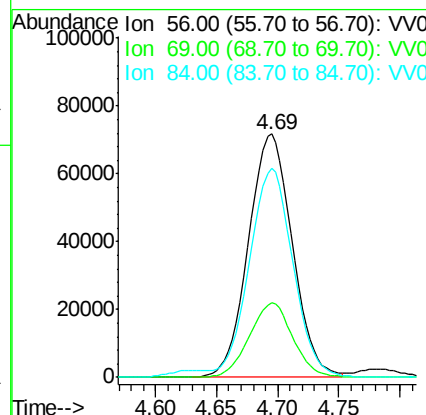
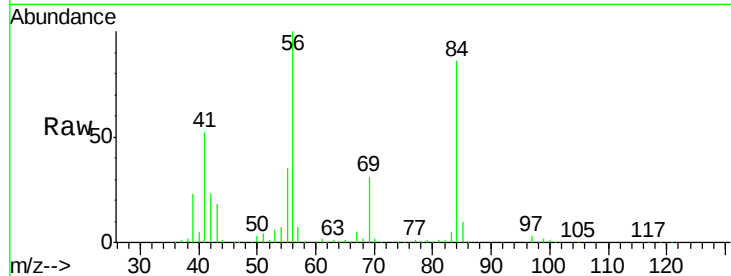
#29
Cyclohexane
Concen: 38.636 ug/L
RT: 4.69 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VV018448.D
Acq: 25 Sep 2020 12:23

Instrument :
MSVOA_V
ClientSampled :
BG3Y1

Tot Ion	Ratio	Resp	Lower	Upper
56	100	178650		
69	30.4	24.2	36.2	
84	85.9	68.3	102.5	

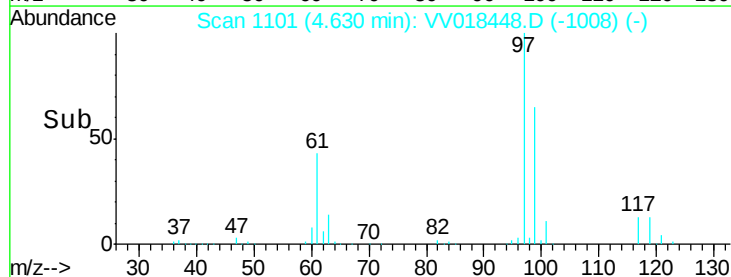
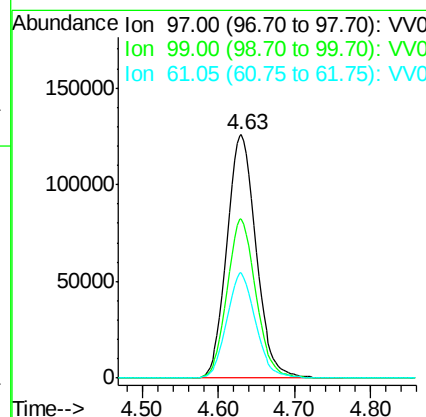
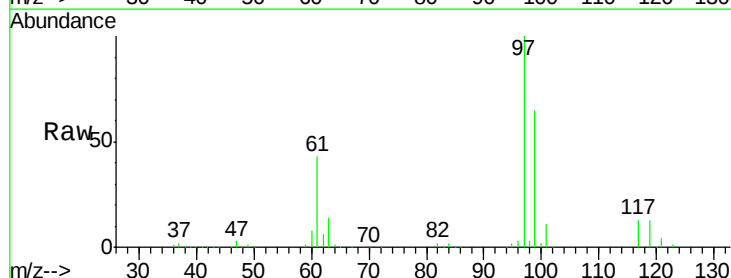
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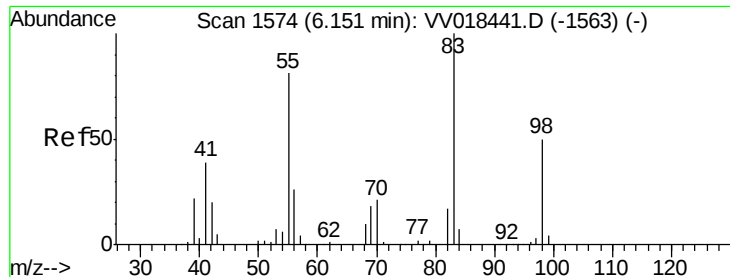
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#30
1,1,1-Trichloroethane
Concen: 72.635 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV018448.D
Acq: 25 Sep 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	337541		
99	64.5	51.6	77.4	
61	42.6	34.9	52.3	





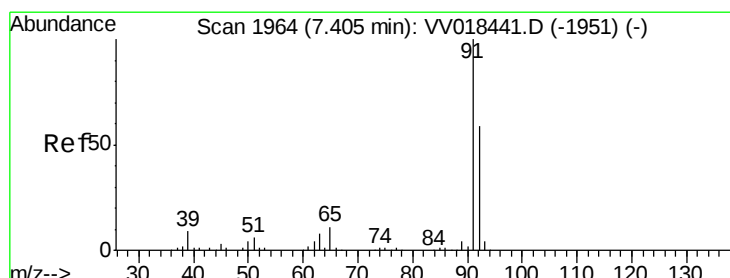
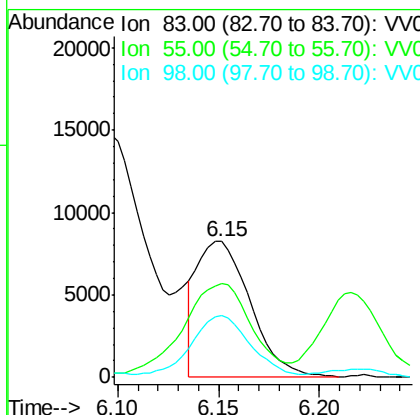
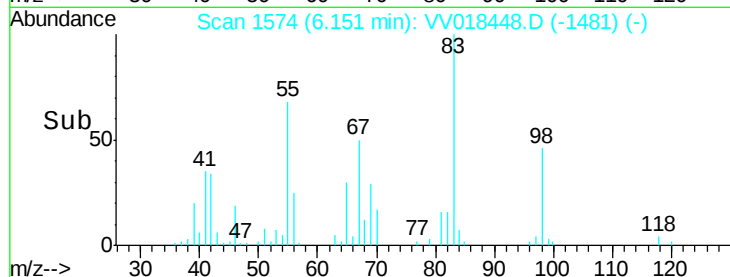
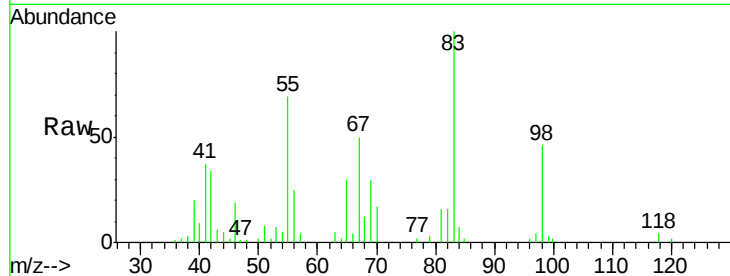
#35
Methvlcvclohexane
Concen: 3.201 ug/L
RT: 6.15 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VV018448.D
Acq: 25 Sep 2020 12:23

Instrument :
MSVOA_V
ClientSampled :
BG3Y1

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.7	63.4	95.2
98	51.4	38.8	58.2

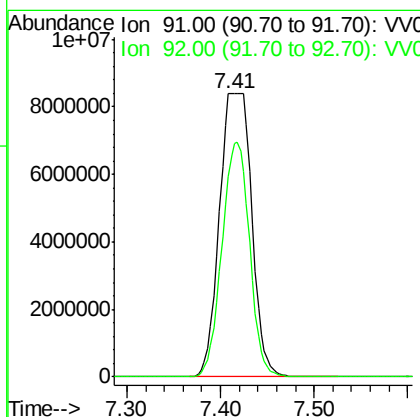
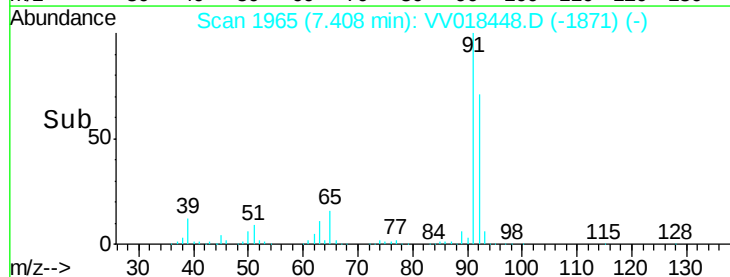
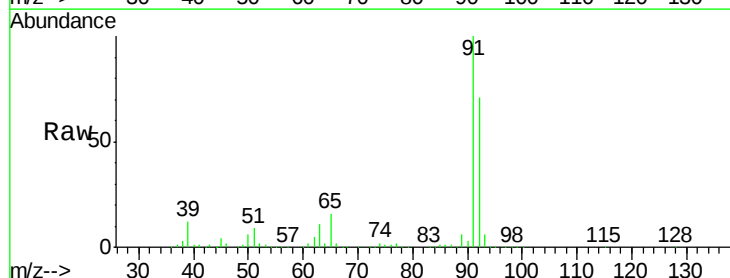
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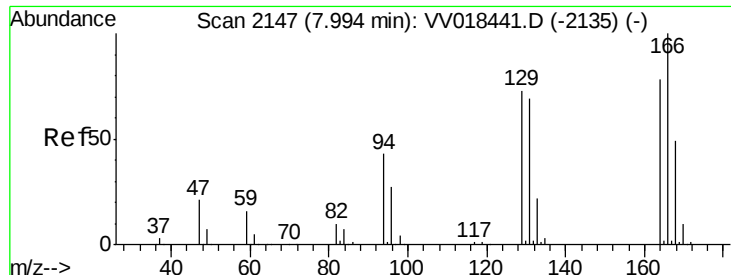
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#42
Toluene
Concen: 1670.658 ug/L m
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV018448.D
Acq: 25 Sep 2020 12:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	70.8	40.7	75.5





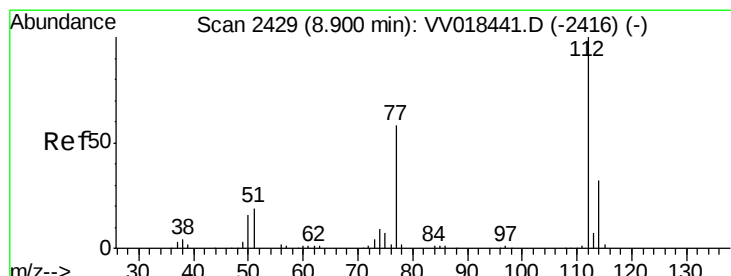
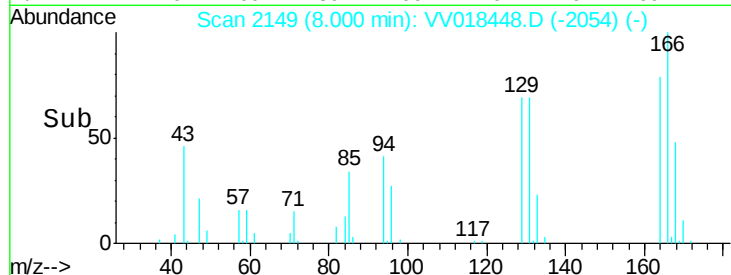
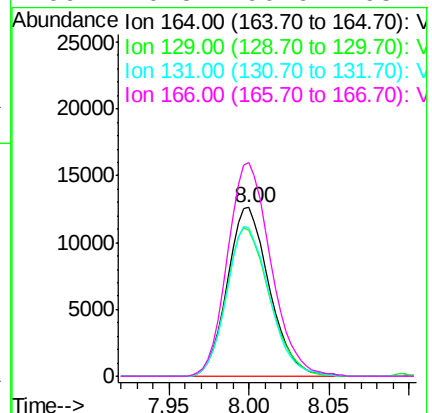
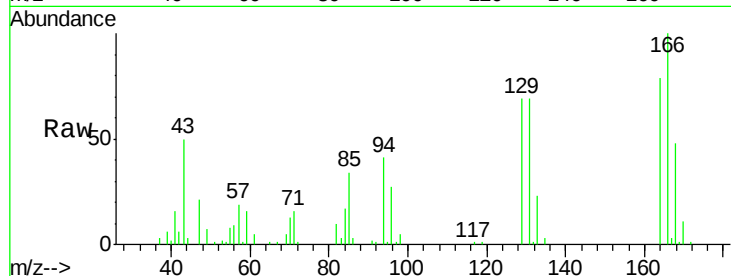
#46
Tetrachloroethene
Concen: 9.303 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.01 min
Lab File: VV018448.D
Acq: 25 Sep 2020 12:23

Instrument :
MSVOA_V
ClientSampled :
BG3Y1

Tot Ion	164	Resp	22749
Ion	Ratio	Lower	Upper
164	100		
129	86.9	64.5	119.7
131	88.0	61.8	114.8
166	126.8	90.6	168.2

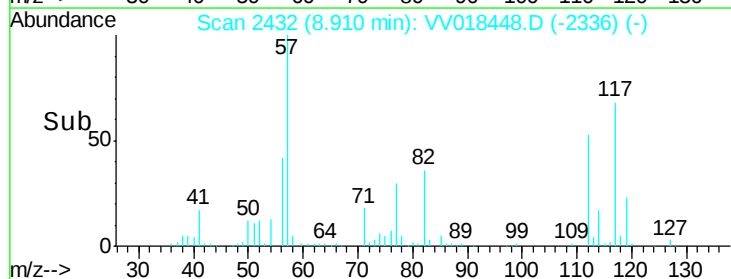
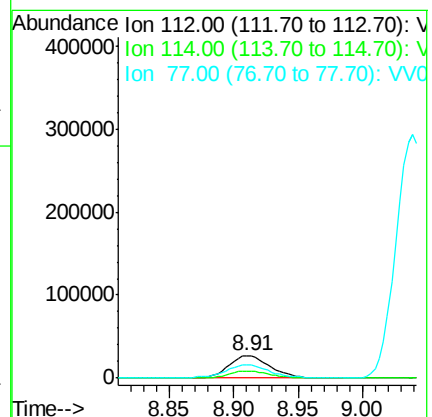
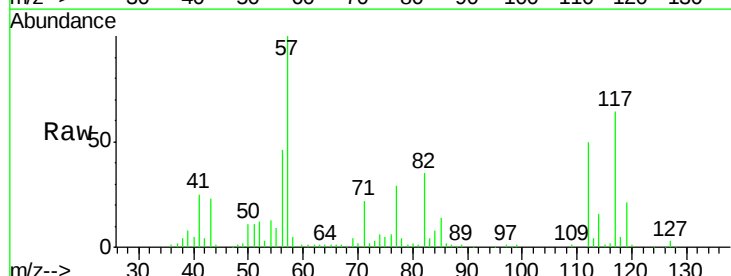
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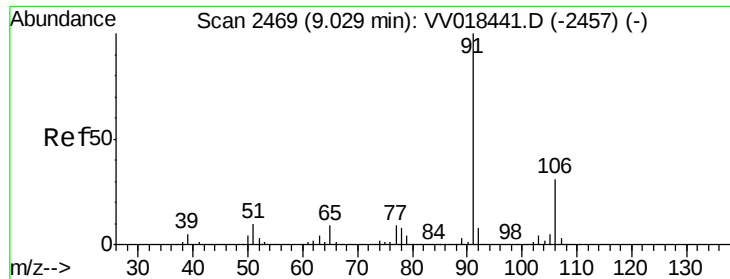
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#51
Chlorobenzene
Concen: 7.670 ug/L
RT: 8.91 min Scan# 2432
Delta R.T. 0.01 min
Lab File: VV018448.D
Acq: 25 Sep 2020 12:23

Tgt Ion	112	Resp	60347
Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.6	42.0
77	57.3	48.0	72.0





#52

Ethylbenzene

Concen: 475.003 ug/L

RT: 9.04 min Scan# 2472

Delta R.T. 0.01 min

Lab File: VV018448.D

Acq: 25 Sep 2020 12:23

Instrument :

MSVOA_V

ClientSampleID :

BG3Y1

Tot Ion: 91 Resp: 6283094

Ion Ratio Lower Upper

91 100

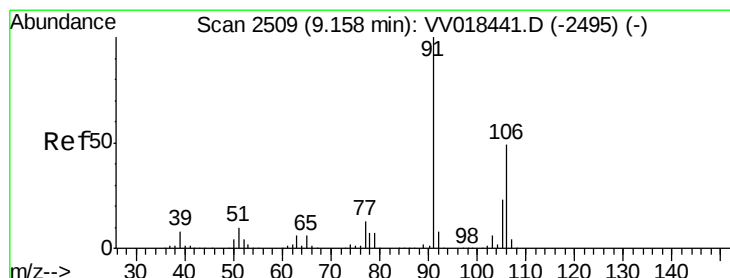
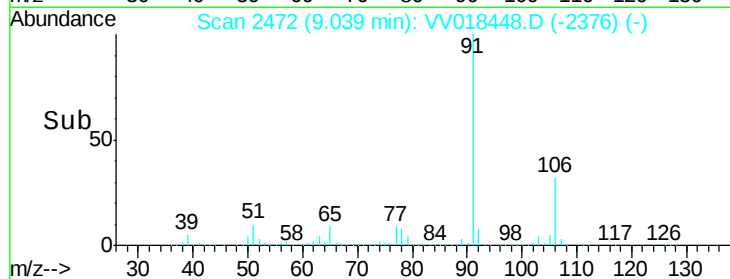
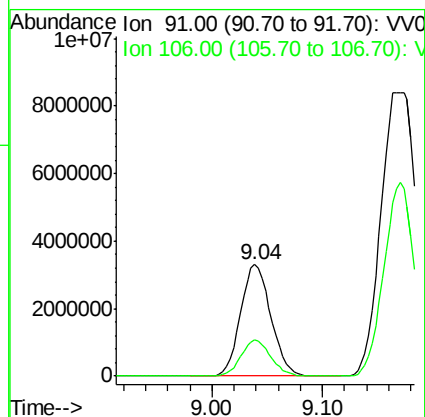
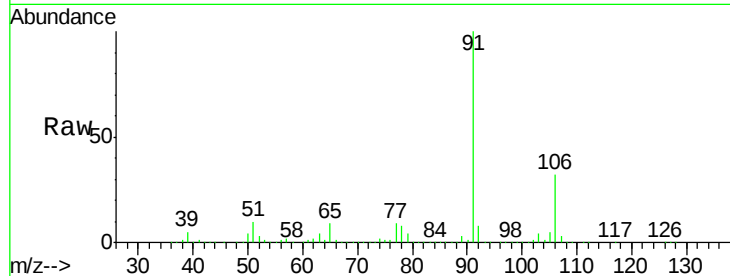
106 32.1 21.3 39.5

Manual Integrations

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9/28/2020 5:00:26 PM



#53

m,p-Xylene

Concen: 2216.641 ug/L m

RT: 9.17 min Scan# 2513

Delta R.T. 0.01 min

Lab File: VV018448.D

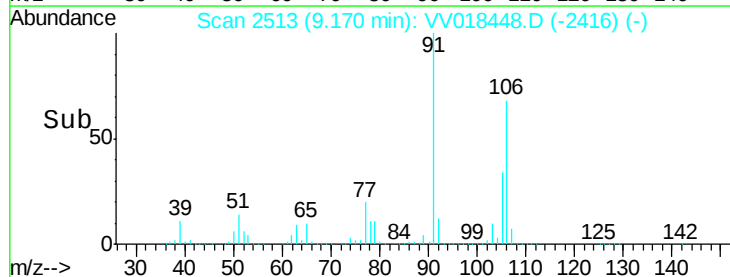
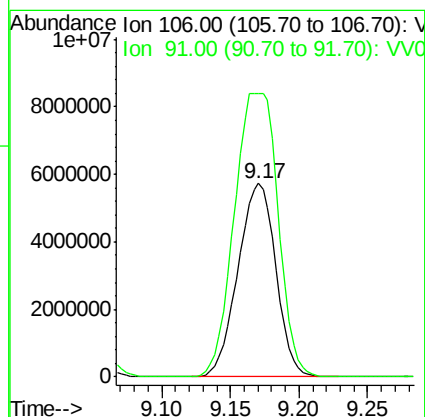
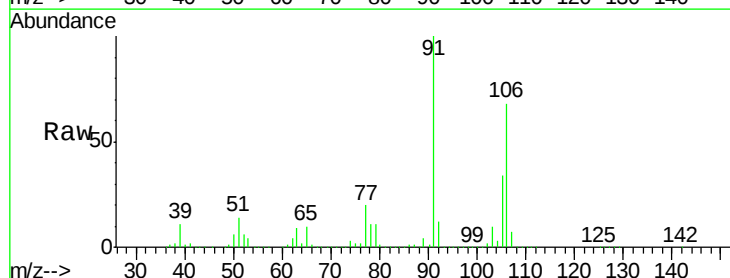
Acq: 25 Sep 2020 12:23

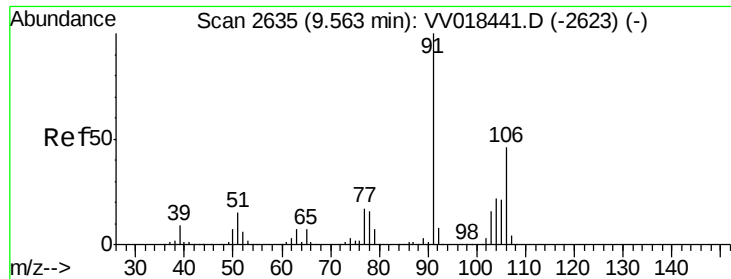
Tgt Ion: 106 Resp: 10944024

Ion Ratio Lower Upper

106 100

91 146.5 146.7 272.5#





#54

o-xylene

Concen: 1288.623 ug/L

RT: 9.58 min Scan# 2639

Delta R.T. 0.01 min

Lab File: VV018448.D

Acq: 25 Sep 2020 12:23

Instrument :

MSVOA_V

ClientSampled :

BG3Y1

Tot Ion:106 Resp: 6129285

Ion Ratio Lower Upper

106 100

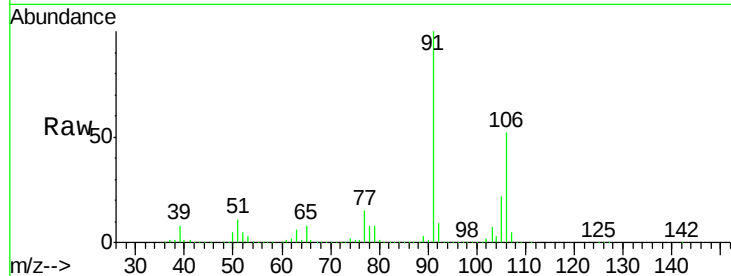
91 191.5 152.2 282.6

Manual Integrations

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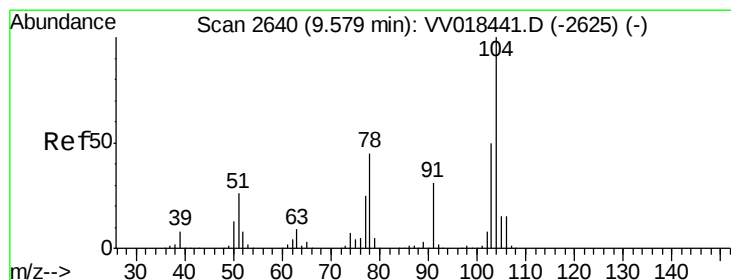
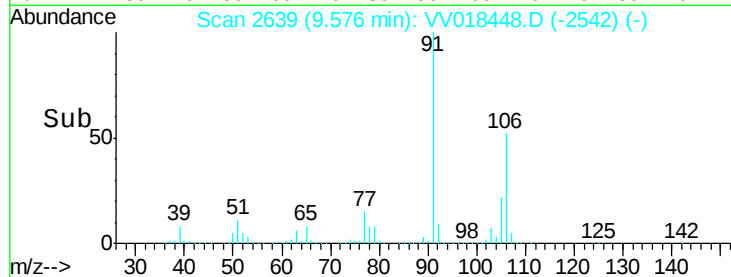
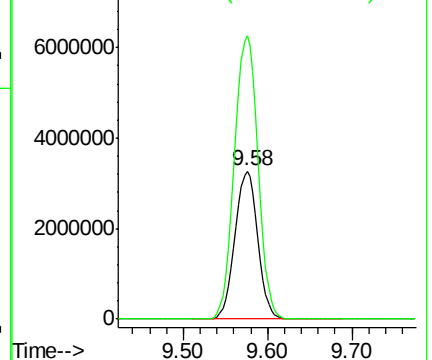
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 37.669 ug/L

RT: 9.58 min Scan# 2639

Delta R.T. -0.00 min

Lab File: VV018448.D

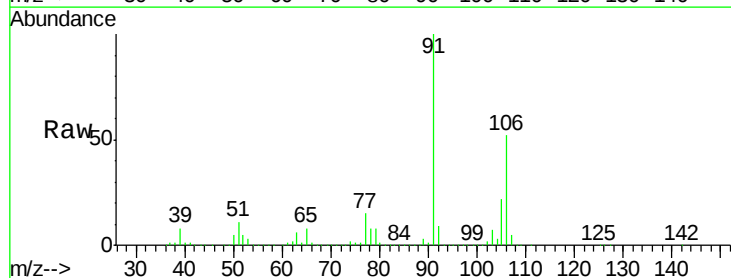
Acq: 25 Sep 2020 12:23

Tgt Ion:104 Resp: 311420

Ion Ratio Lower Upper

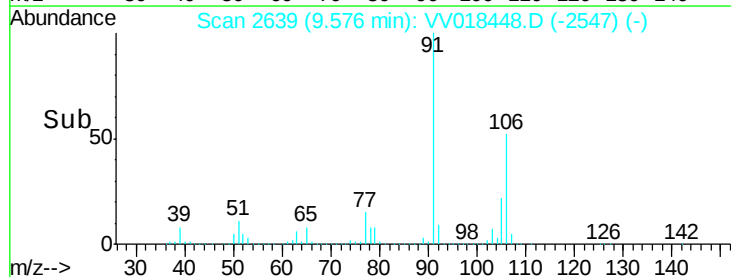
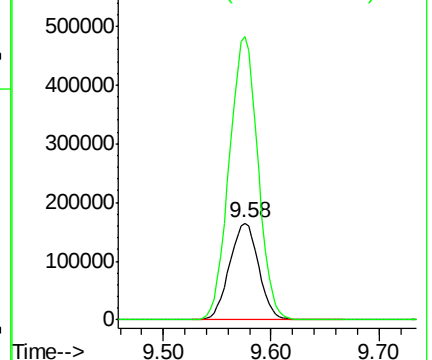
104 100

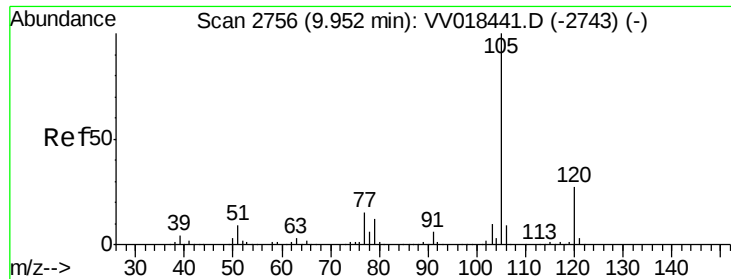
78 292.2 31.4 58.2#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 555.419 ug/L

RT: 9.96 min Scan# 2759

Delta R.T. 0.01 min

Lab File: VV018448.D

Acq: 25 Sep 2020 12:23

Instrument :

MSVOA_V

ClientSampled :

BG3Y1

Tot Ion:105 Resp: 7119948

Ion Ratio Lower Upper

105 100

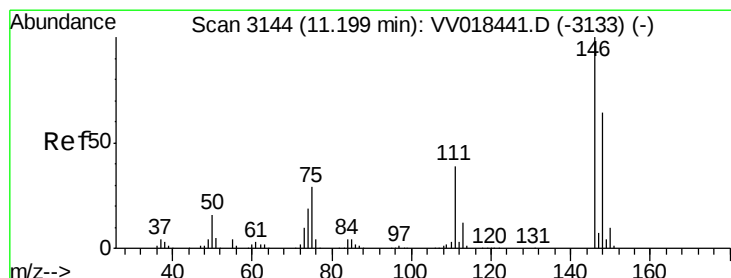
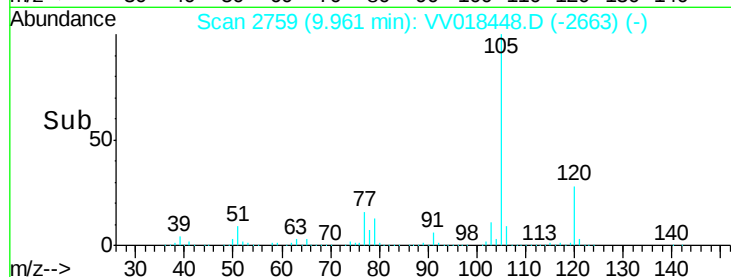
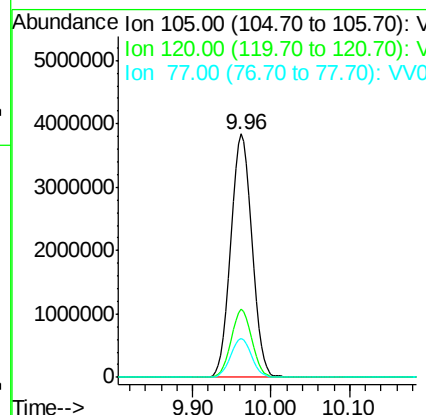
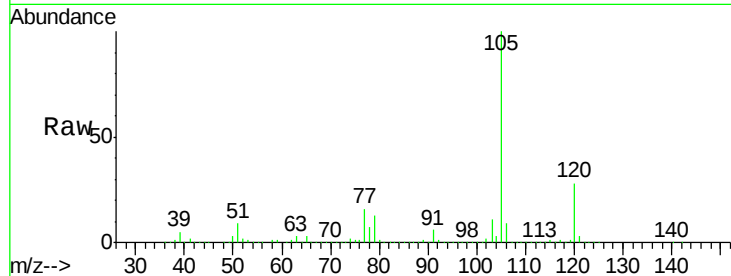
120 27.4 20.9 31.3

77 15.7 12.5 18.7

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#62

1,3-Dichlorobenzene

Concen: 2.506 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.03 min

Lab File: VV018448.D

Acq: 25 Sep 2020 12:23

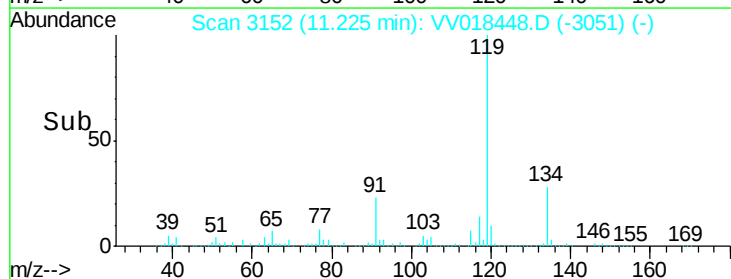
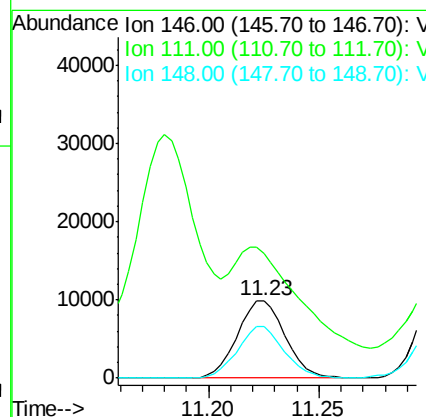
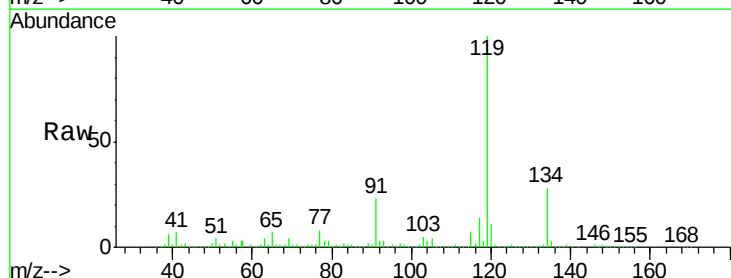
Tgt Ion:146 Resp: 14901

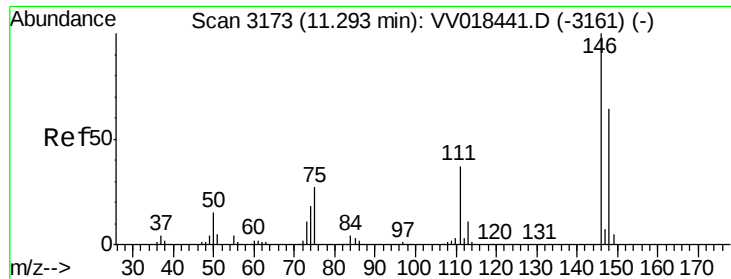
Ion Ratio Lower Upper

146 100

111 160.1 27.6 51.2#

148 67.1 45.4 84.2





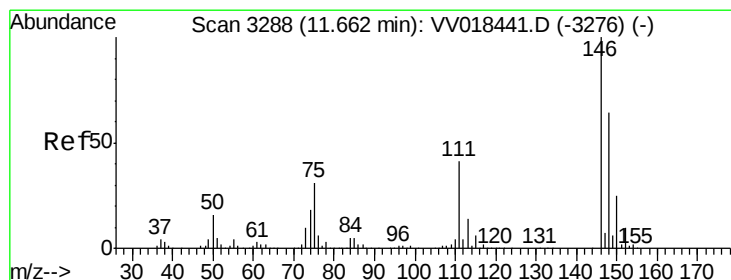
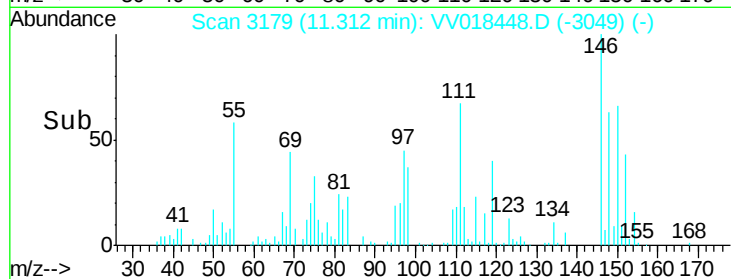
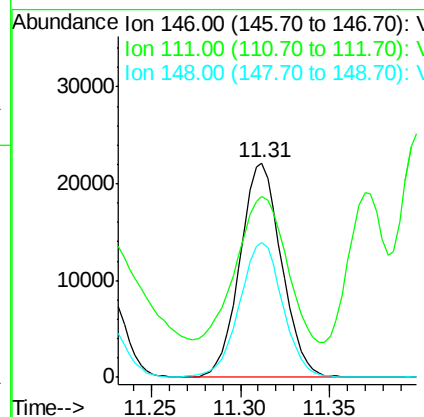
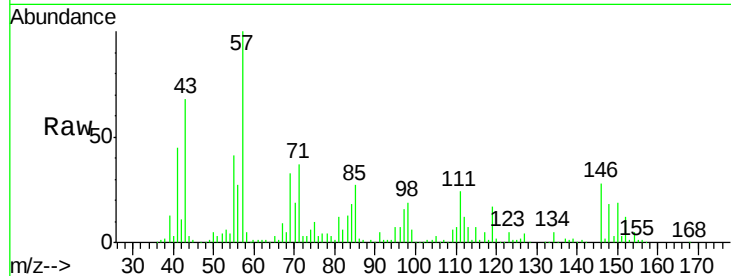
#63
 1,4-Dichlorobenzene
 Concen: 5.902 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.02 min
 Lab File: VV018448.D
 Acq: 25 Sep 2020 12:23

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Y1

Tot Ion	Ratio	Lower	Upper
146	100		
111	84.4	27.1	50.3#
148	63.1	45.4	84.2

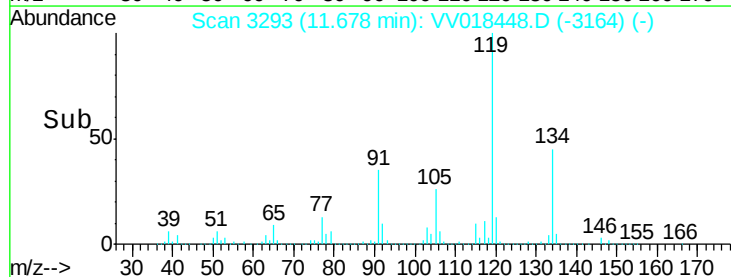
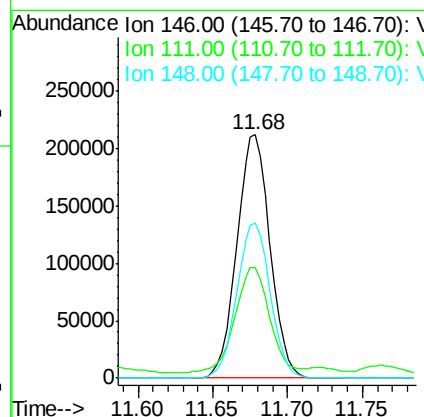
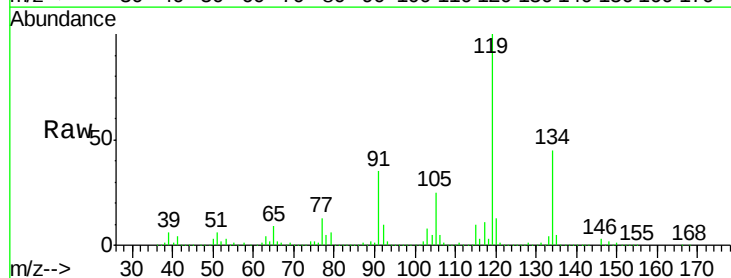
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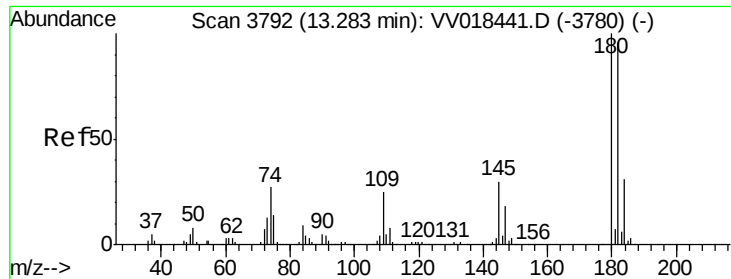
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#65
 1,2-Dichlorobenzene
 Concen: 54.452 ug/L
 RT: 11.68 min Scan# 3293
 Delta R.T. 0.02 min
 Lab File: VV018448.D
 Acq: 25 Sep 2020 12:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	32.8	49.2
148	63.6	50.7	76.1





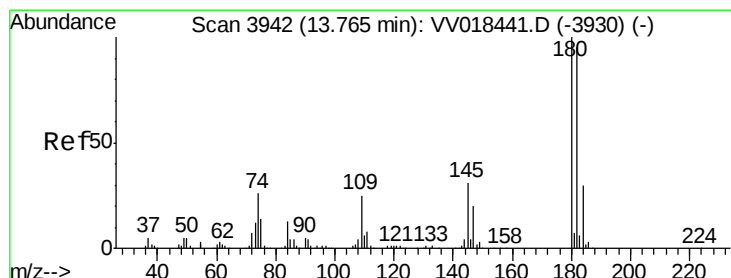
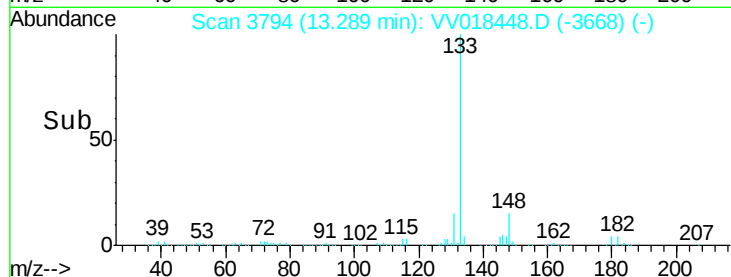
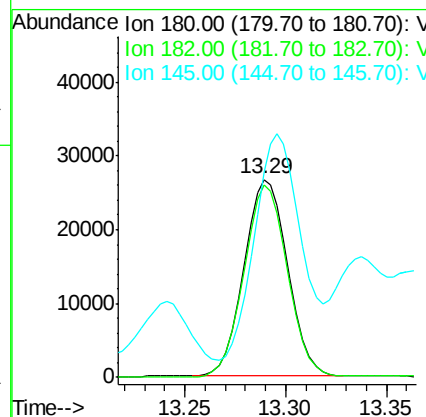
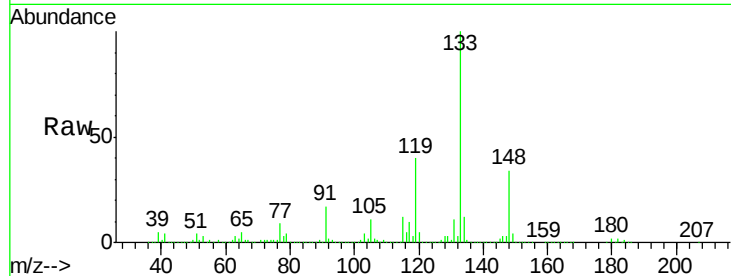
#68
 1,2,4-trichlorobenzene
 Concen: 9.657 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV018448.D
 Acq: 25 Sep 2020 12:23

Instrument :
 MSVOA_V
 ClientSampled :
 BG3Y1

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	77.4	116.2
145	122.1	23.2	34.8#

Manual Integrations
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 9/28/2020 5:00:26 PM



#70
 1,2,3-Trichlorobenzene
 Concen: 3.107 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.01 min
 Lab File: VV018448.D
 Acq: 25 Sep 2020 12:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.5	114.7
145	168.2	24.9	37.3#

