

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
 Data File : VV017318.D
 Acq On : 02 Jul 2020 20:13
 Operator : SY/MD
 Sample : L3154-03DL 10X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4274DL

Manual Integrations
 APPROVED

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 7/6/2020 10:18:29 AM

Quant Time: Jul 03 06:41:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 03 06:15:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	171721	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	167030	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	85837	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43026	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.58	69	38247	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.13	63	67995	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	3.93	46	100128	38.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.24%
24) Chloroform-d	4.38	84	95914	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.06	65	52165	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
32) Benzene-d6	5.08	84	172784	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.80%
36) 1,2-Dichloropropane-d6	6.10	67	50746	3.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.20%
41) Toluene-d8	7.34	98	162106	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
45) trans-1,3-Dichloropropene-	7.64	79	20278	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
48) 2-Hexanone-d5	8.11	63	69132	33.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	67.16%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	34023	3.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	65604	4.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	50483	4.480	ug/L	97
8) Chloroethane	1.60	64	5708m	0.917	ug/L	
14) Carbon disulfide	2.32	76	6233	0.252	ug/L #	84
16) Methylene chloride	2.52	84	8984	1.018	ug/L	96
18) trans-1,2-Dichloroethene	2.78	96	17550	2.010	ug/L	98
19) 1,1-Dichloroethane	3.21	63	16162	0.824	ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	35649	2.985	ug/L	97
30) Cyclohexane	4.70	56	3868	0.203	ug/L #	90
33) Benzene	5.13	78	30658	0.701	ug/L	100
34) Trichloroethene	5.94	95	3117	0.243	ug/L	91
35) Methylcyclohexane	6.16	83	3532	0.177	ug/L	94
42) Toluene	7.41	91	446875	8.787	ug/L	99
53) Chlorobenzene	8.91	112	3607	0.114	ug/L #	81
54) Ethylbenzene	9.03	91	210787	3.883	ug/L	99
55) m,p-xylene	9.16	106	118173	5.550	ug/L	97
56) o-xylene	9.56	106	75916	3.821	ug/L	99
58) Isopropylbenzene	9.95	105	9864	0.180	ug/L	97

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Quant Time: Jul 03 06:41:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 03 06:15:26 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

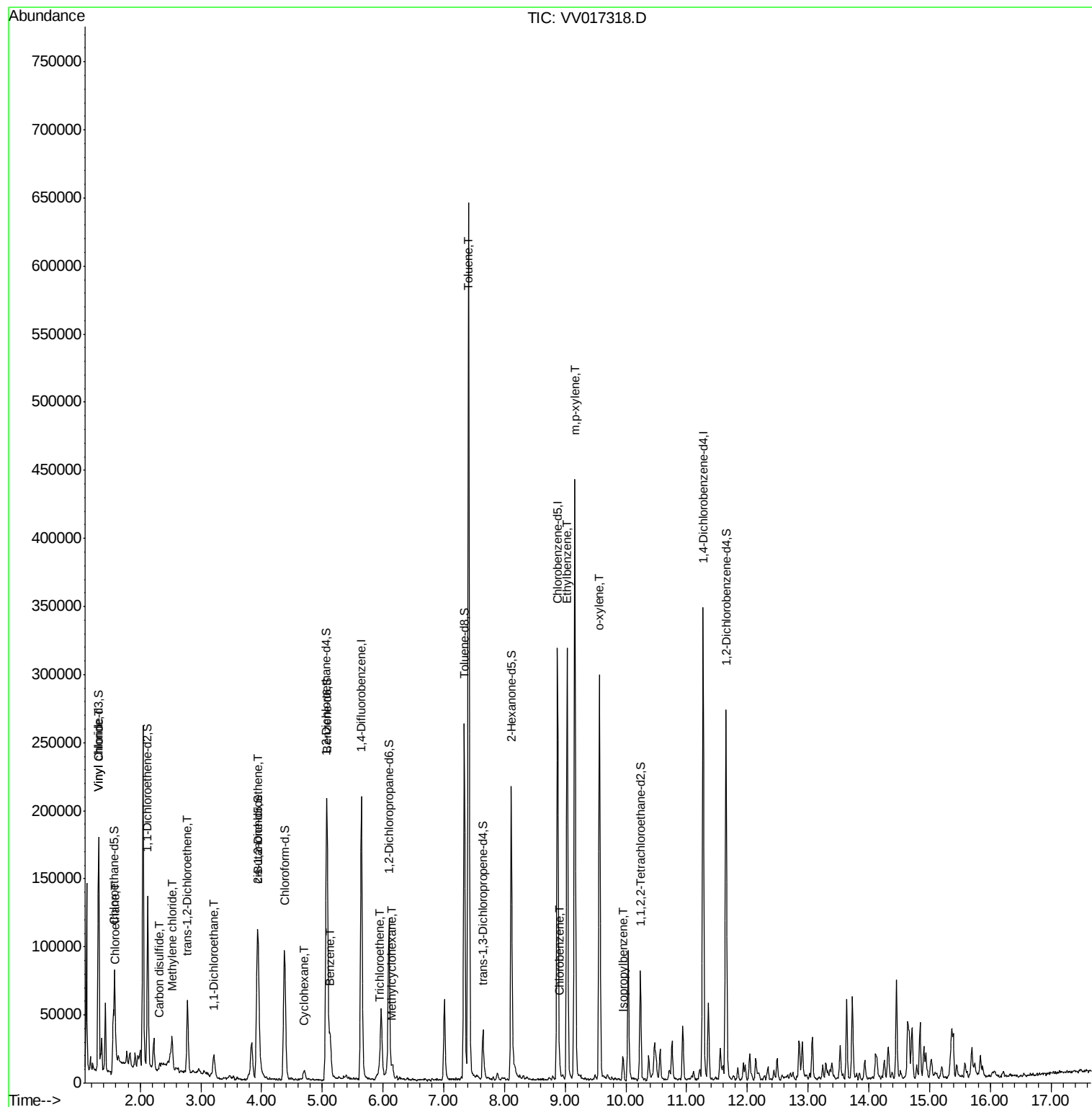
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
Data File : VV017318.D
Acq On : 02 Jul 2020 20:13
Operator : SY/MD
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ALS Vial : 22 Sample Multiplier: 1

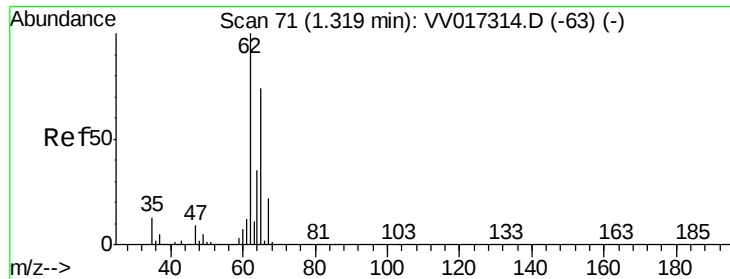
Instrument :
MSVOA_V
ClientSampleId :
H4274DL

Manual Integrations
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Quant Time: Jul 03 06:41:28 2020
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 03 06:15:26 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.480 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017318.D

Acq: 02 Jul 2020 20:13

Instrument :

MSVOA_V

ClientSampled :

H4274DL

Tot Ion: 62 Resp: 50483

Ion Ratio Lower Upper

62 100

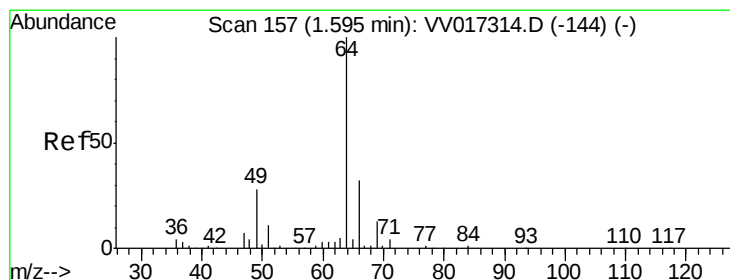
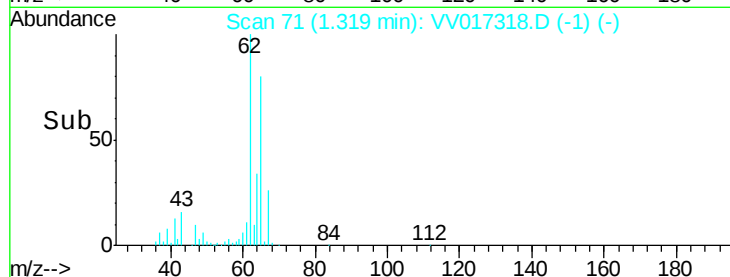
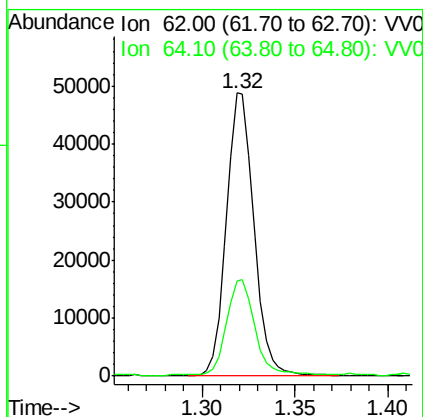
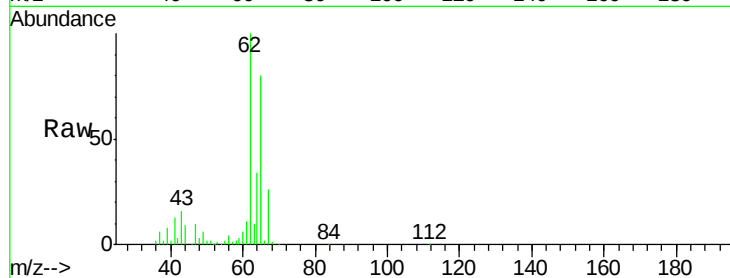
64 33.8 22.5 41.7

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#8

Chloroethane

Concen: 0.917 ug/L m

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV017318.D

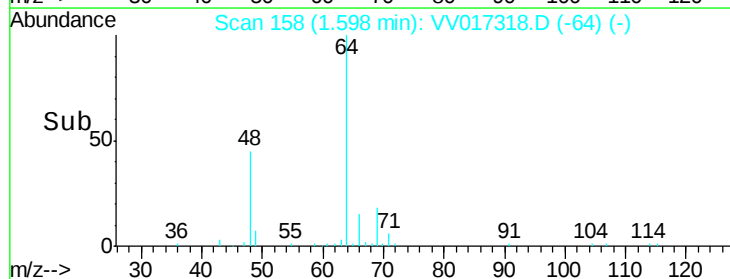
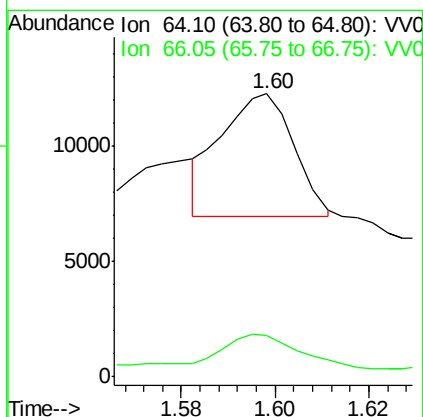
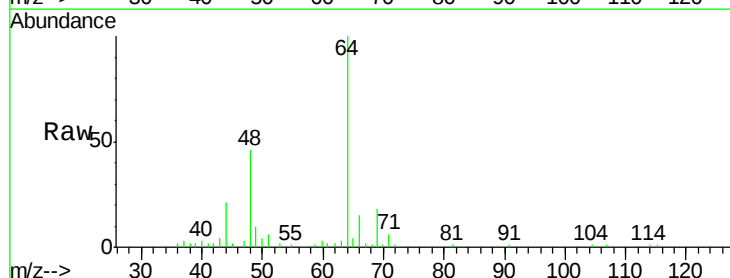
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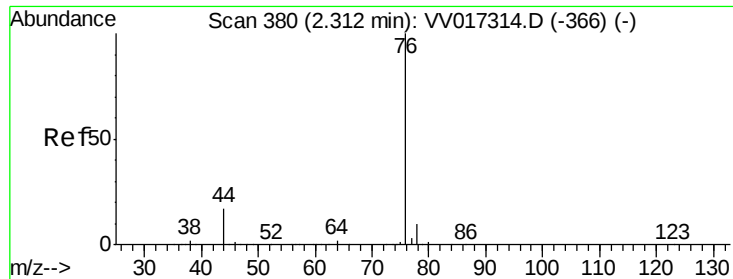
Tgt Ion: 64 Resp: 5708

Ion Ratio Lower Upper

64 100

66 14.7 22.8 42.4#





#14

Carbon disulfide

Concen: 0.252 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV017318.D

Acq: 02 Jul 2020 20:13

Instrument :

MSVOA_V

ClientSampled :

H4274DL

Tot Ion: 76 Resp: 6233

Ion Ratio Lower Upper

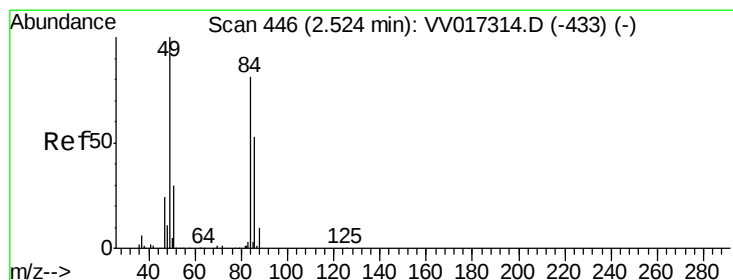
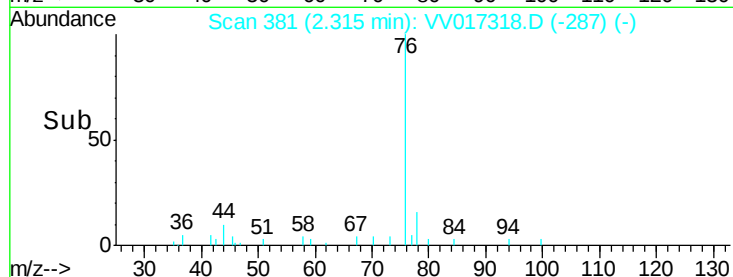
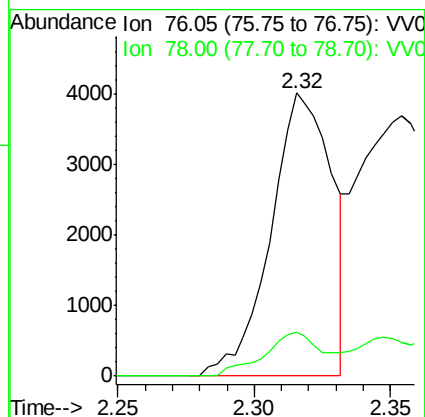
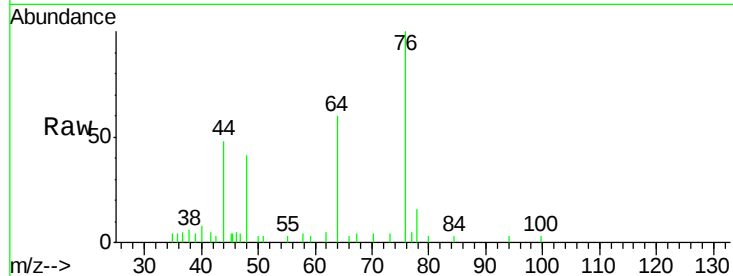
76 100

78 15.5 7.7 11.5#

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#16

Methylene chloride

Concen: 1.018 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV017318.D

Acq: 02 Jul 2020 20:13

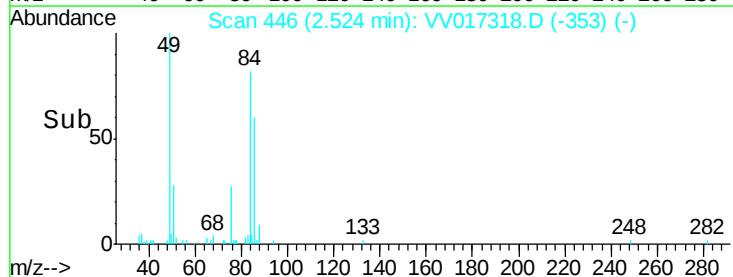
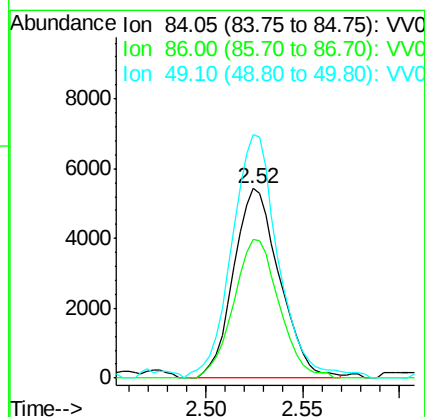
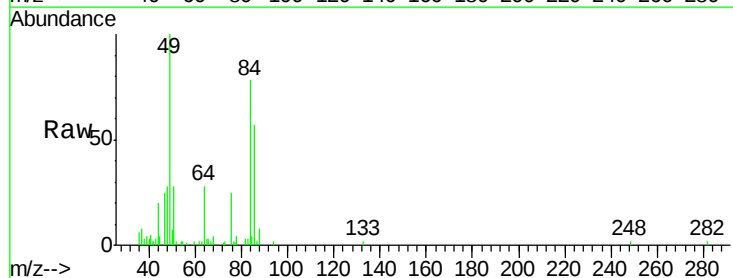
Tgt Ion: 84 Resp: 8984

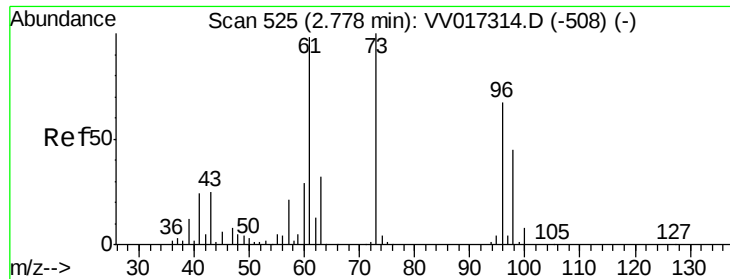
Ion Ratio Lower Upper

84 100

86 73.1 45.8 85.0

49 128.6 89.6 166.4





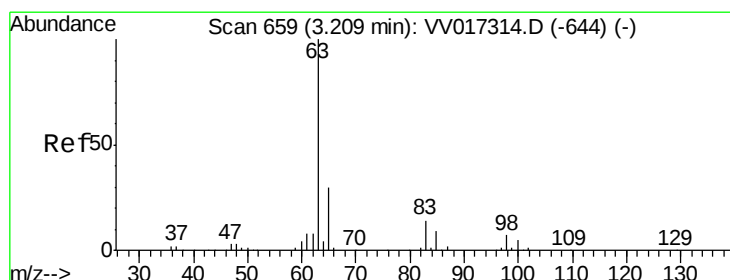
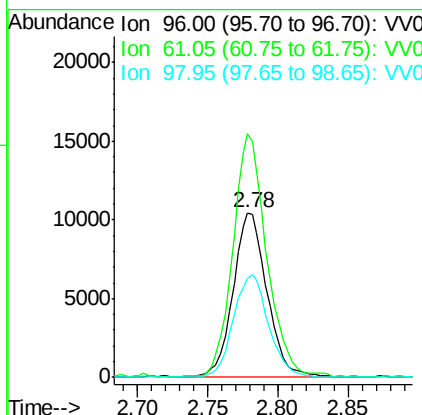
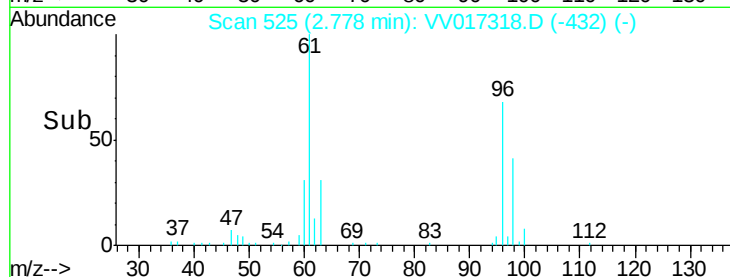
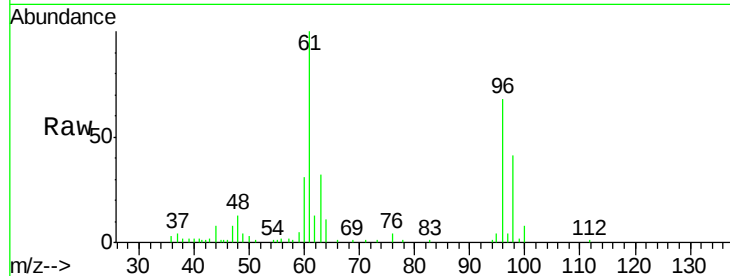
#18
trans-1,2-Dichloroethene
Concen: 2.010 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV017318.D
Acq: 02 Jul 2020 20:13

Instrument :
MSVOA_V
ClientSampled :
H4274DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.7	102.3	189.9
98	59.8	44.7	82.9

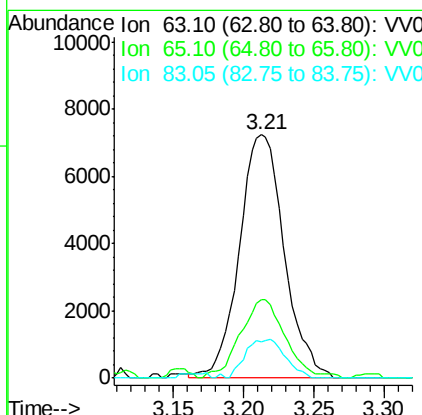
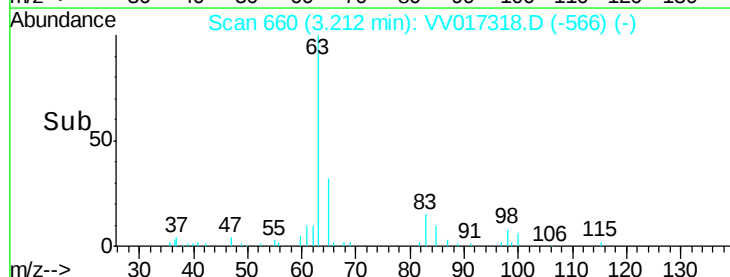
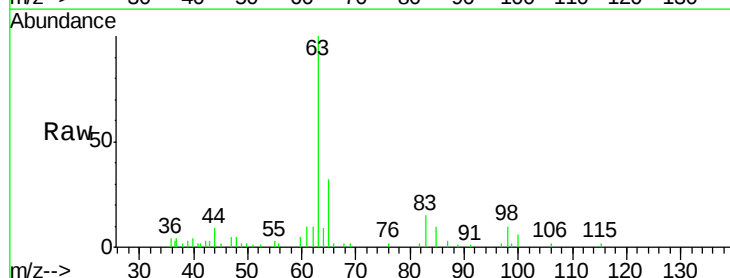
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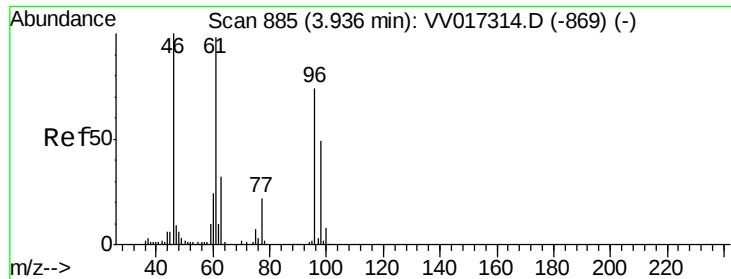
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#19
1,1-Dichloroethane
Concen: 0.824 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV017318.D
Acq: 02 Jul 2020 20:13

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.4	21.8	40.4
83	15.1	9.7	17.9





#22

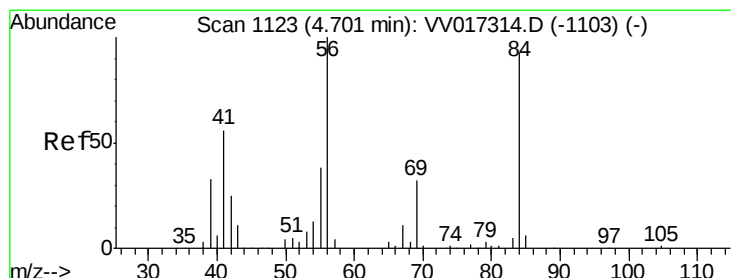
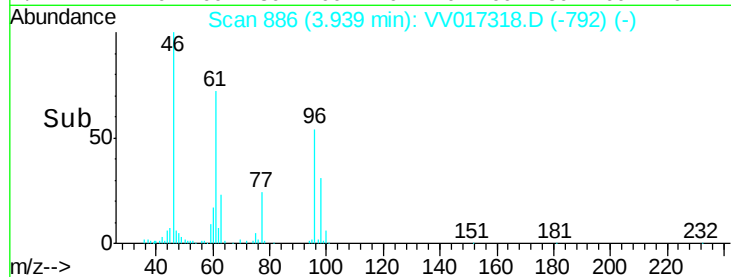
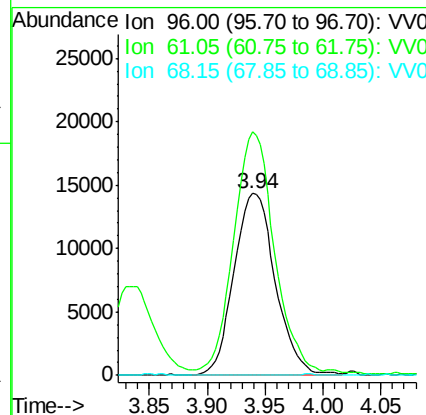
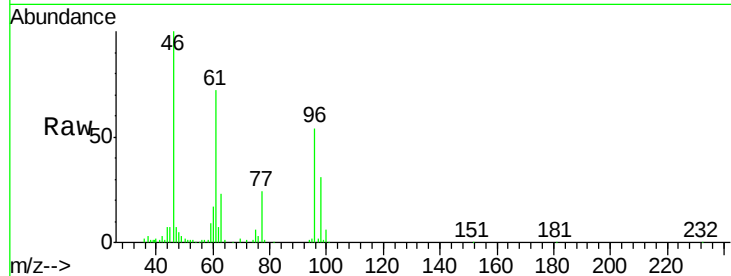
cis-1,2-Dichloroethene
 Concen: 2.985 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017318.D
 Acq: 02 Jul 2020 20:13

Instrument :
 MSVOA_V
 ClientSampled :
 H4274DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		35649		
61	134.0	91.0	169.0		
68	0.0	0.0	0.0		

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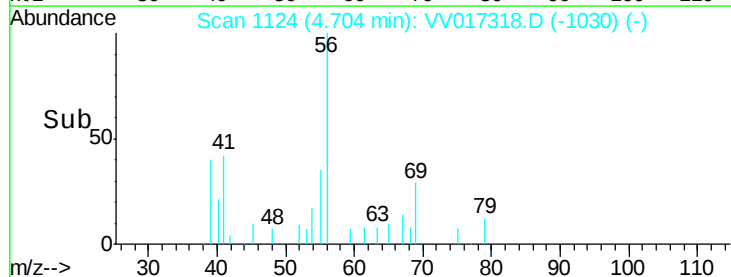
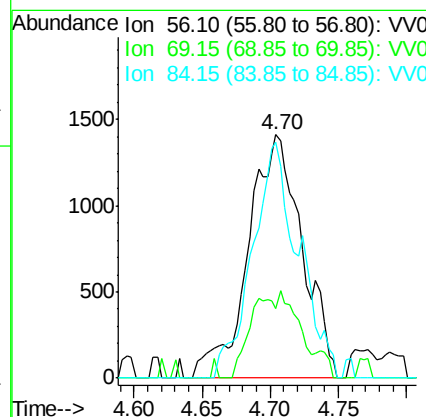
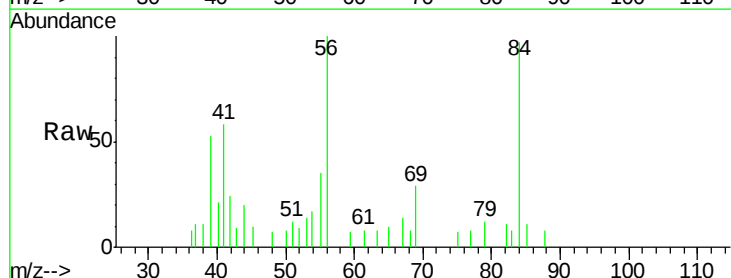
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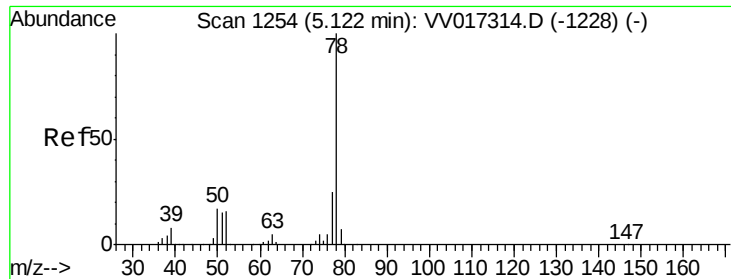


#30

Cyclohexane
 Concen: 0.203 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV017318.D
 Acq: 02 Jul 2020 20:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
56	100		3868		
69	16.9	24.4	36.6#		
84	83.3	69.9	104.9		





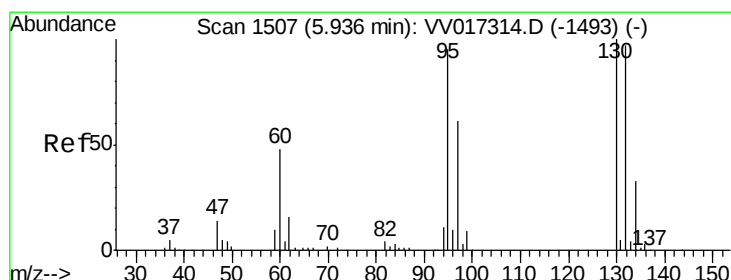
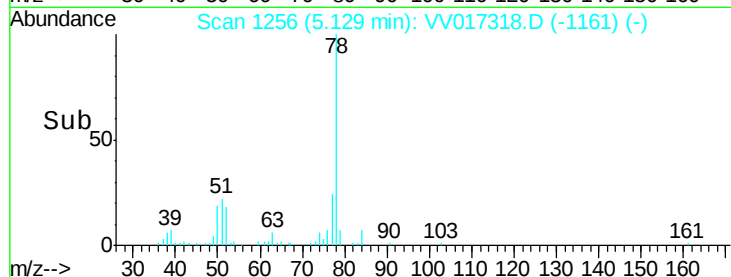
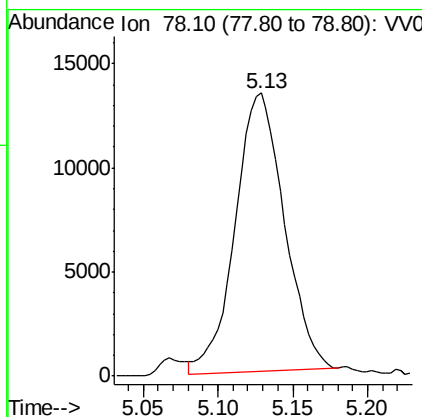
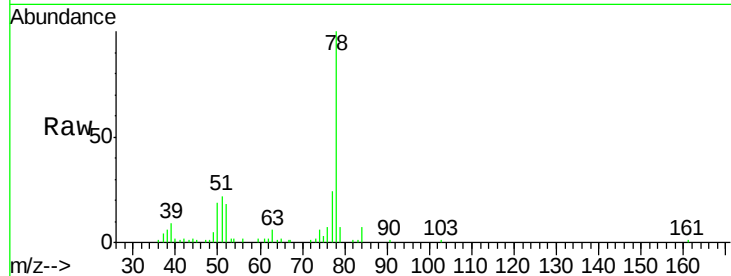
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Benzene
Concen: 0.701 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV017318.D
Acq: 02 Jul 2020 20:13

Instrument :
MSVOA_V
ClientSampleId :
H4274DL

Tgt Ion: 78 Resp: 30658

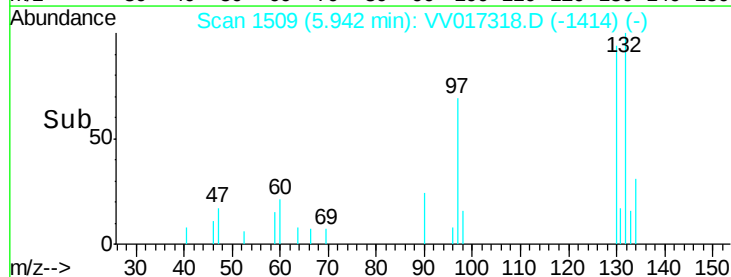
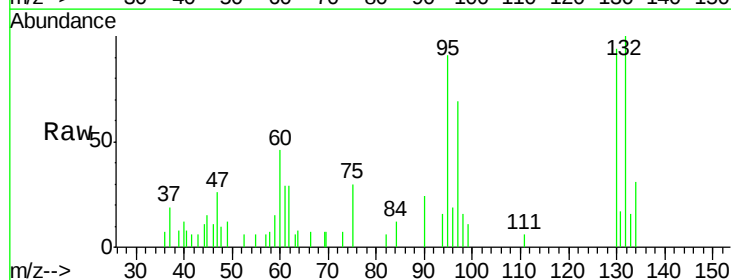
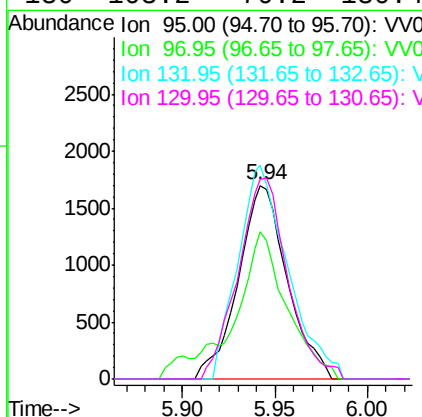
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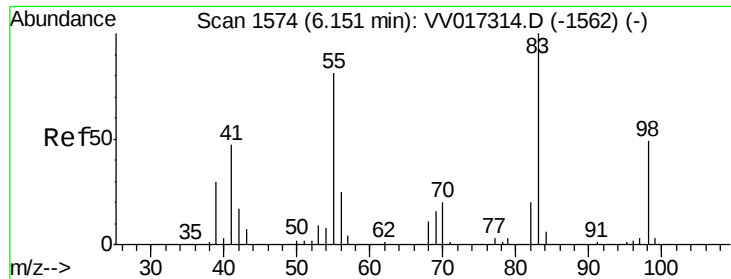
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#34
Trichloroethene
Concen: 0.243 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV017318.D
Acq: 02 Jul 2020 20:13

Tgt Ion: 95 Resp: 3117
Ion Ratio Lower Upper
95 100
97 75.9 45.3 84.1
132 110.3 68.8 127.8
130 103.2 70.2 130.4





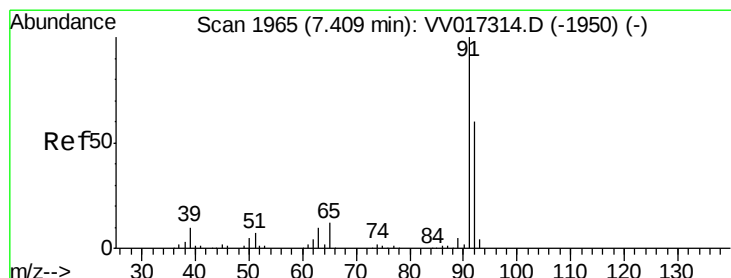
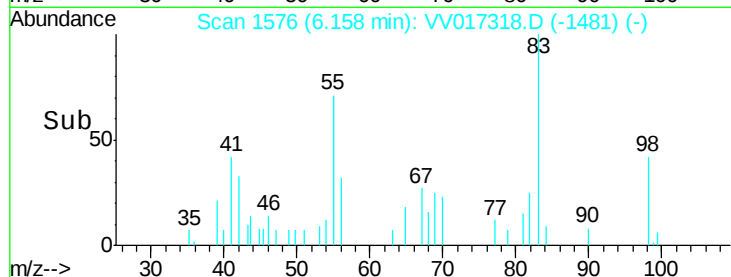
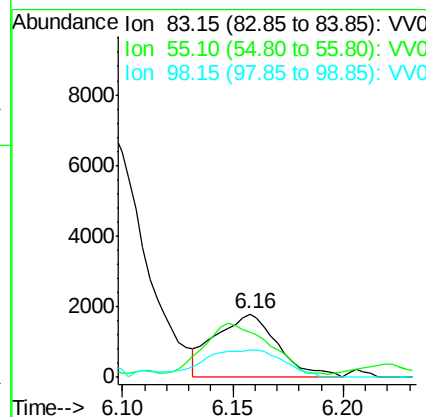
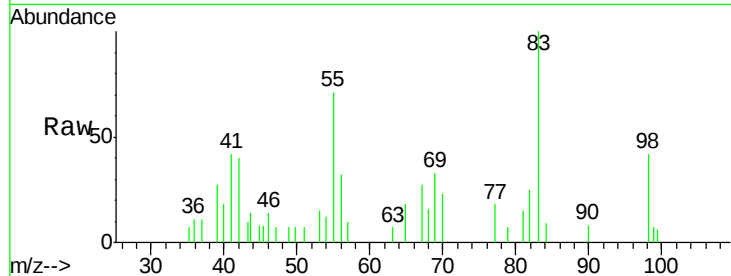
#35
Methvlcvclohexane
Concen: 0.177 ug/L
RT: 6.16 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VV017318.D
Acq: 02 Jul 2020 20:13

Instrument :
MSVOA_V
ClientSampled :
H4274DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.0	63.6	95.4
98	55.3	38.8	58.2

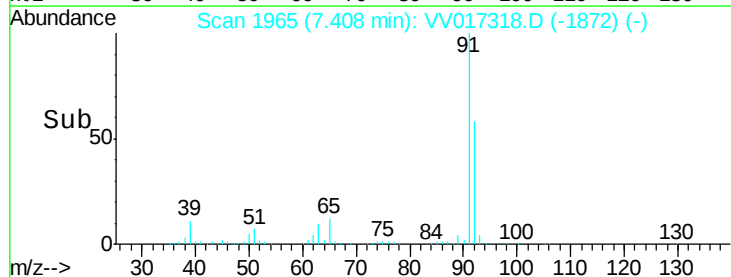
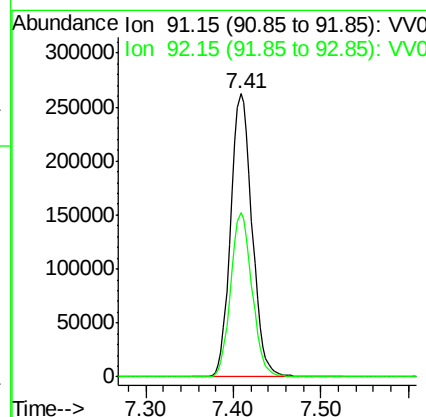
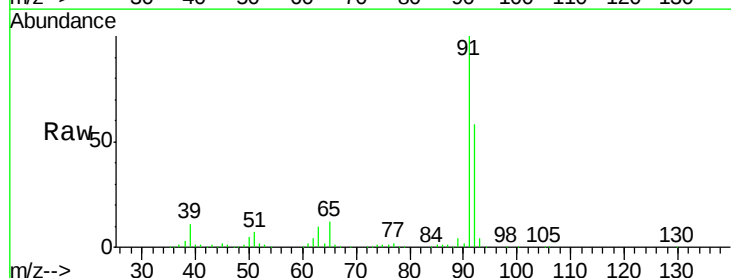
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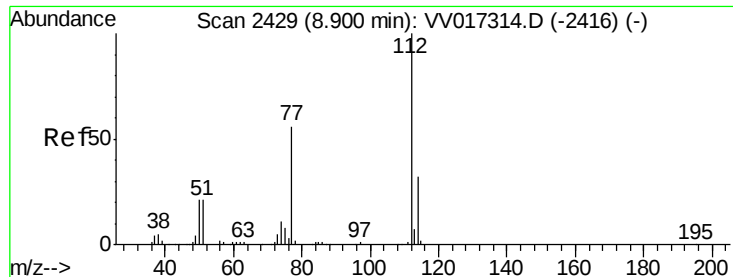
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#42
Toluene
Concen: 8.787 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VV017318.D
Acq: 02 Jul 2020 20:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.0	39.9	74.1





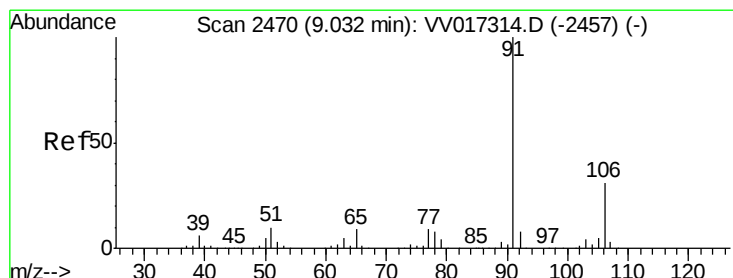
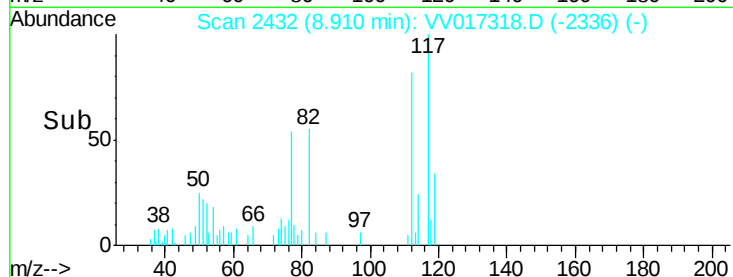
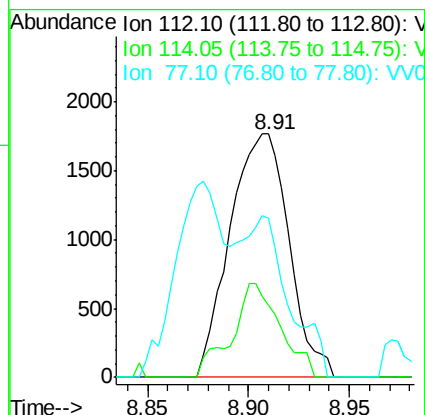
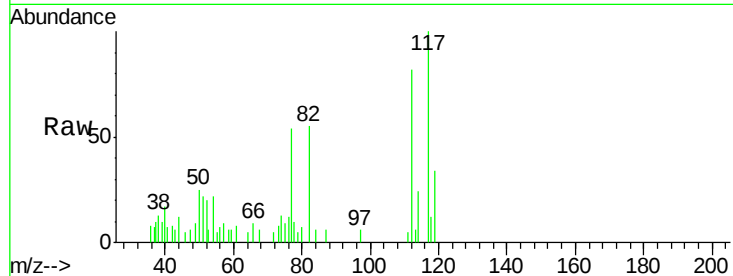
#53
Chlorobenzene
Concen: 0.114 ug/L
RT: 8.91 min Scan# 2432
Delta R.T. 0.01 min
Lab File: VV017318.D
Acq: 02 Jul 2020 20:13

Instrument :
MSVOA_V
ClientSampled :
H4274DL

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.6	22.0	41.0
77	77.9	46.0	69.0

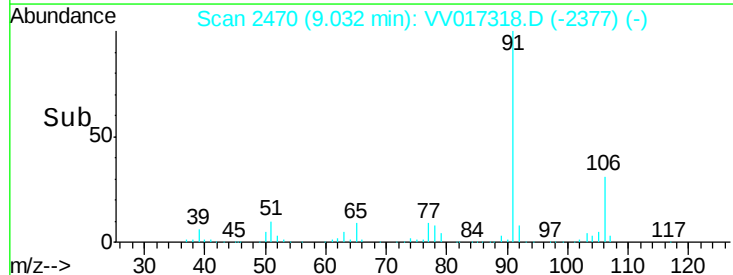
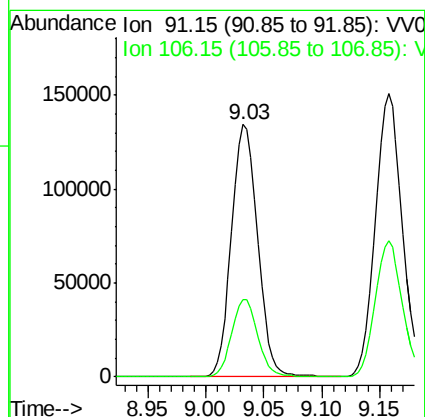
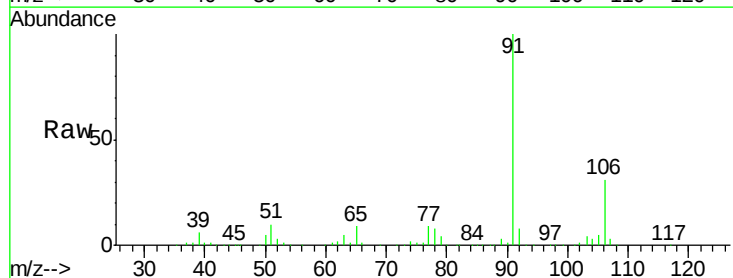
Manual Integrations
APPROVED

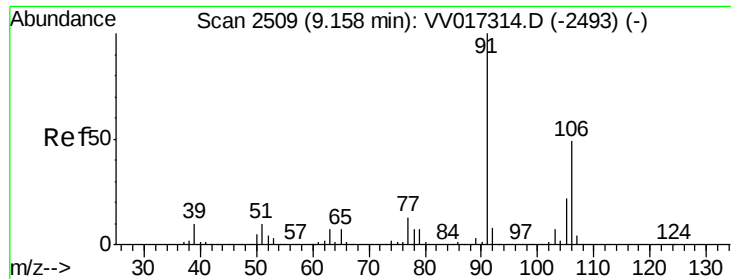
apatel
7/6/2020 10:18:29 AM



#54
Ethylbenzene
Concen: 3.883 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV017318.D
Acq: 02 Jul 2020 20:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	21.1	39.1





#55

m,p-xylene

Concen: 5.550 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017318.D

Acq: 02 Jul 2020 20:13

Instrument :

MSVOA_V

ClientSampled :

H4274DL

Tot Ion:106 Resp: 118173

Ion Ratio Lower Upper

106 100

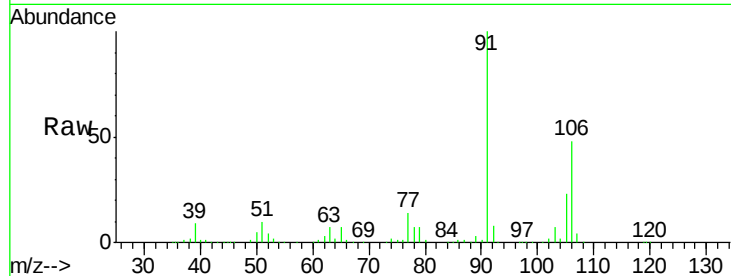
91 208.5 142.7 264.9

Manual Integrations

APPROVED

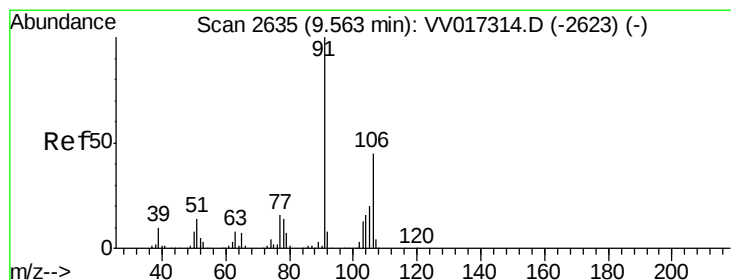
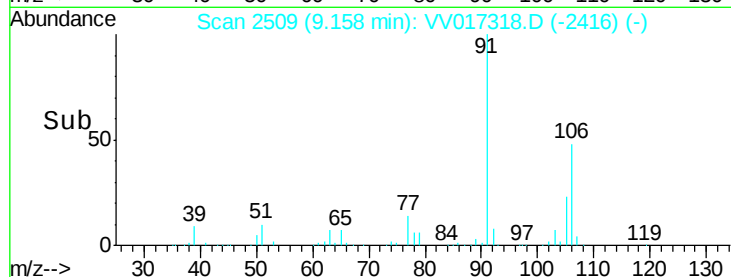
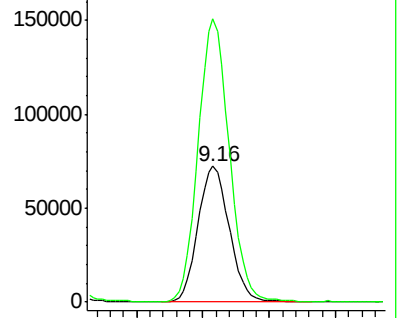
apatel

7/6/2020 10:18:29 AM



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 3.821 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017318.D

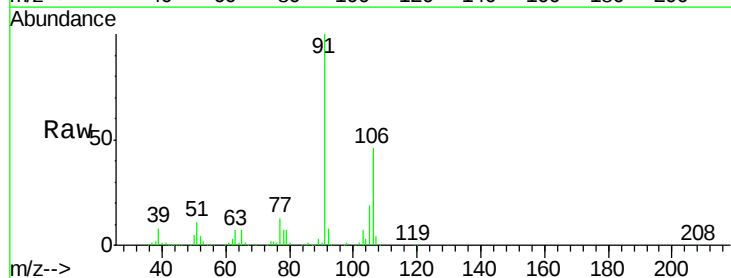
Acq: 02 Jul 2020 20:13

Tgt Ion:106 Resp: 75916

Ion Ratio Lower Upper

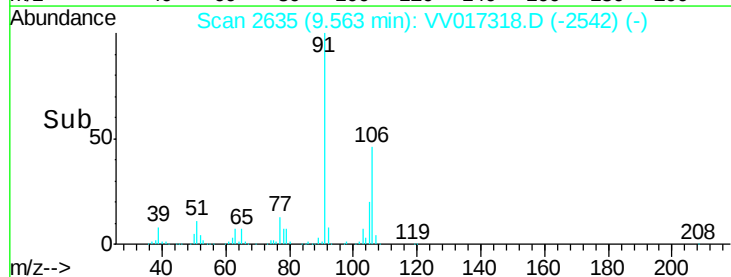
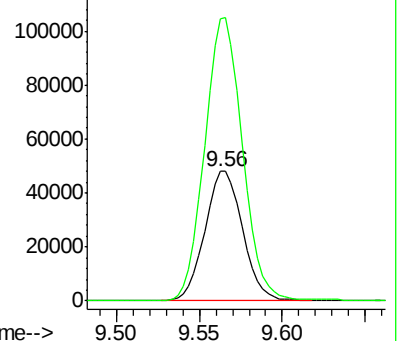
106 100

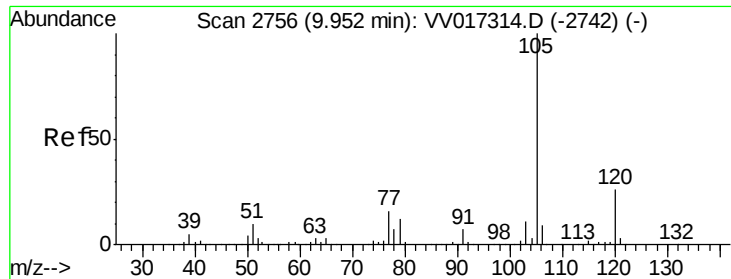
91 217.0 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#58

Isopropylbenzene

Concen: 0.180 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017318.D

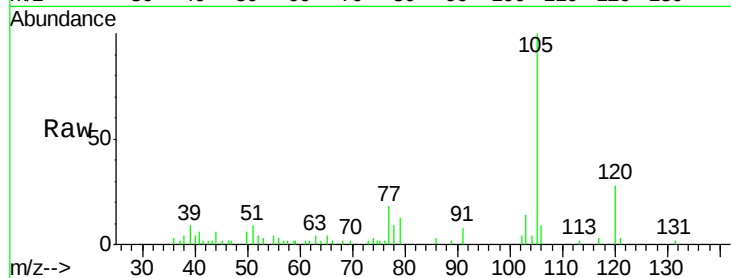
Acq: 02 Jul 2020 20:13

Instrument :

MSVOA_V

ClientSampleId :

H4274DL



Tot Ion:	105	Resp:	9864
Ion Ratio	Lower	Upper	
105	100		
120	25.4	21.2	31.8
77	18.5	13.0	19.4

Manual Integrations
APPROVED

apatel
7/6/2020 10:18:29 AM

