

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080219\
 Data File : VV012096.D
 Acq On : 02 Aug 2019 11:57
 Operator : SY/MD
 Sample : MDL07
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 9:56:05 AM

Quant Time: Aug 03 00:08:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 02 23:54:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	153746	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	144807	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	78348	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33089	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	1.58	69	26130	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.13	63	51795	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	3.96	46	79094	40.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.04%
24) Chloroform-d	4.40	84	86511	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.08	65	46739	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.10	84	162987	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.12	67	43331	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.00%
41) Toluene-d8	7.36	98	159319	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.66	79	20567	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.13	63	66412	42.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.20%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	32228	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.20%
66) 1,2-Dichlorobenzene-d4	11.67	152	65188	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4535	0.259 ug/L	97
3) Chloromethane	1.25	50	2409	0.240 ug/L	86
5) Vinyl chloride	1.32	62	2445	0.238 ug/L #	81
6) Bromomethane	1.54	94	1230	0.201 ug/L	97
8) Chloroethane	1.60	64	1385	0.248 ug/L	96
9) Trichlorofluoromethane	1.77	101	4761	0.271 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2745	0.360 ug/L #	84
12) 1,1-Dichloroethene	2.14	96	2275	0.322 ug/L #	1
13) Acetone	2.22	43	3807	3.500 ug/L	93
14) Carbon disulfide	2.32	76	5212	0.264 ug/L #	93
15) Methyl Acetate	2.46	43	803	0.359 ug/L #	80
16) Methylene chloride	2.53	84	3178	0.439 ug/L	81
17) Methyl tert-butyl Ether	2.80	73	6112	0.275 ug/L #	93
18) trans-1,2-Dichloroethene	2.79	96	2744	0.270 ug/L	93
19) 1,1-Dichloroethane	3.23	63	5024	0.276 ug/L	89
21) 2-Butanone	4.05	43	5616m	2.617 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	2924	0.270 ug/L	96

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Manual Integrations
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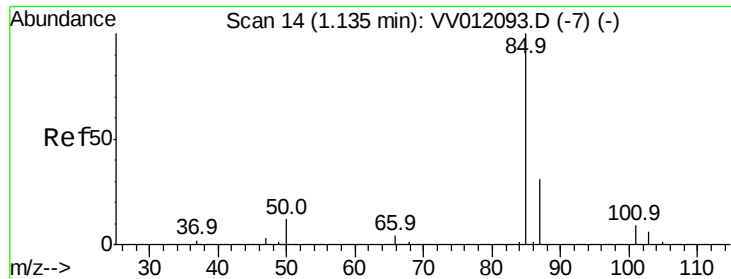
MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.31	128	1226m	0.258	ug/L	
25) Chloroform	4.42	83	8681	0.380	ug/L	96
27) 1,2-Dichloroethane	5.19	62	3932	0.312	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	5394	0.301	ug/L	95
30) Cyclohexane	4.72	56	3770	0.246	ug/L #	86
31) Carbon tetrachloride	4.87	117	5137	0.319	ug/L	96
33) Benzene	5.14	78	10744	0.273	ug/L	100
34) Trichloroethene	5.96	95	3086	0.275	ug/L	95
35) Methylcyclohexane	6.17	83	4669	0.266	ug/L	97
37) 1,2-Dichloropropane	6.23	63	2350	0.258	ug/L #	91
38) Bromodichloromethane	6.55	83	4093	0.319	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	4018	0.282	ug/L #	81
40) 4-Methyl-2-pentanone	7.28	43	12697	2.473	ug/L #	86
42) Toluene	7.43	91	12261	0.280	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	3525	0.306	ug/L #	77
45) 1,1,2-Trichloroethane	7.88	97	1780	0.256	ug/L #	64
47) Tetrachloroethene	8.02	164	3006	0.307	ug/L	95
48) 2-Hexanone	8.19	43	9606	2.648	ug/L	94
49) Dibromochloromethane	8.29	129	2531	0.297	ug/L	89
50) 1,2-Dibromoethane	8.40	107	1928	0.297	ug/L #	95
51) Chlorobenzene	8.92	112	8055	0.275	ug/L	95
52) Ethylbenzene	9.05	91	13267	0.266	ug/L	98
53) m,p-xylene	9.18	106	4917	0.259	ug/L	96
54) o-xylene	9.59	106	4944	0.275	ug/L	98
55) Styrene	9.60	104	7376	0.243	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.29	83	2372	0.318	ug/L	99
59) Bromoform	9.77	173	1433	0.303	ug/L #	88
60) Isopropylbenzene	9.97	105	13023	0.260	ug/L	98
61) 1,2,3-Trichloropropane	10.32	75	1636	0.286	ug/L	94
62) 1,3,5-Trimethylbenzene	10.58	105	11609	0.281	ug/L	99
63) 1,2,4-Trimethylbenzene	10.96	105	10312	0.251	ug/L	96
64) 1,3-Dichlorobenzene	11.22	146	6883	0.276	ug/L	94
65) 1,4-Dichlorobenzene	11.32	146	7396	0.291	ug/L	95
67) 1,2-Dichlorobenzene	11.69	146	6789	0.300	ug/L	91
68) 1,2-Dibromo-3-chloropropan	12.47	75	333	0.283	ug/L #	88
69) 1,3,5-Trichlorobenzene	12.69	180	6464	0.313	ug/L	96
70) 1,2,4-trichlorobenzene	13.31	180	4657	0.285	ug/L	97
71) Naphthalene	13.55	128	6237	0.275	ug/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	4545	0.314	ug/L	92

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



#2

Dichlorodifluoromethane

Concen: 0.259 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Tot Ion: 85 Resp: 4535

Ion Ratio Lower Upper

85 100

87 30.9 25.9 38.9

Instrument :

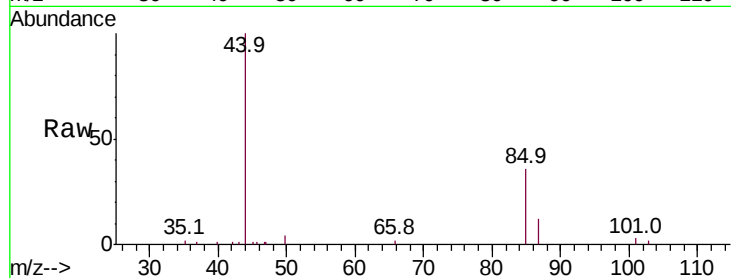
MSVOA_V

ClientSampled :

MDL07

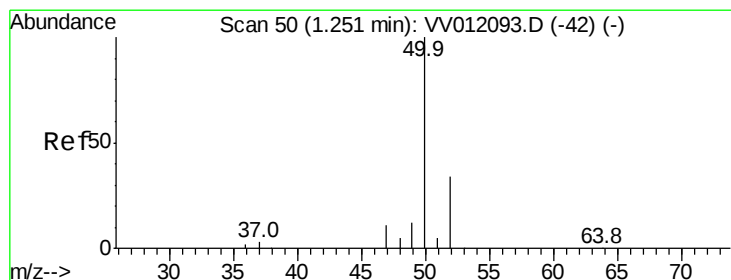
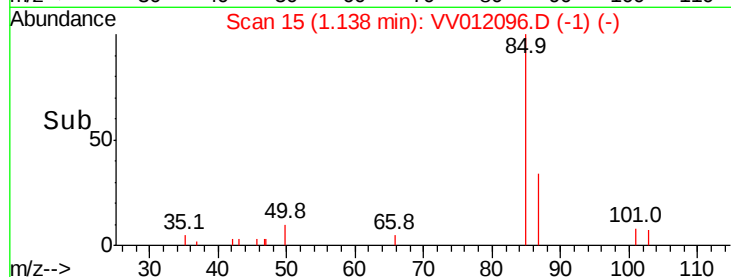
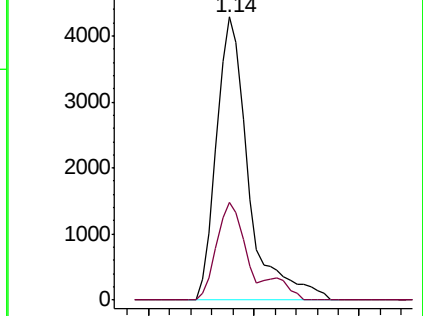
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8/6/2019 9:56:05 AM



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.240 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012096.D

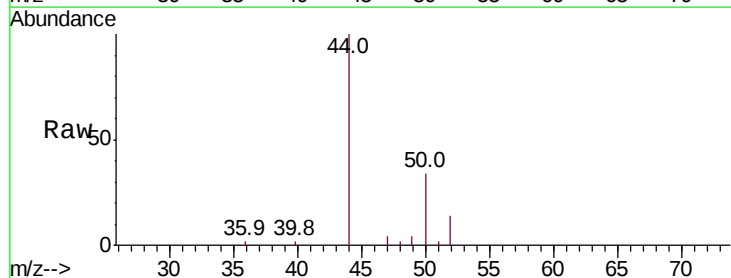
Acq: 02 Aug 2019 11:57

Tgt Ion: 50 Resp: 2409

Ion Ratio Lower Upper

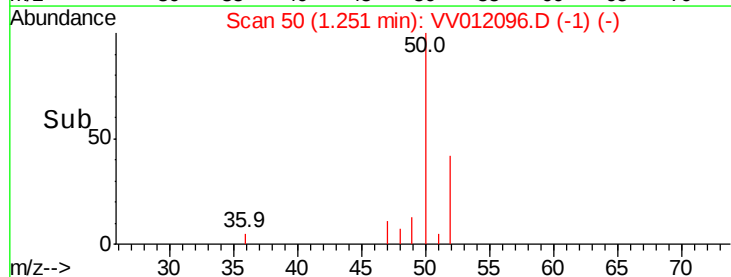
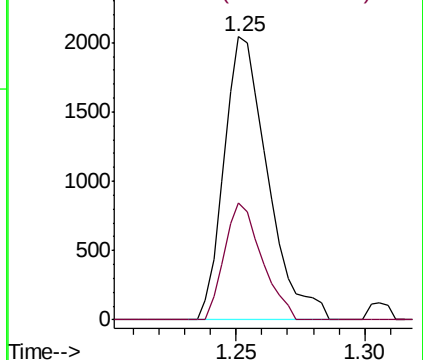
50 100

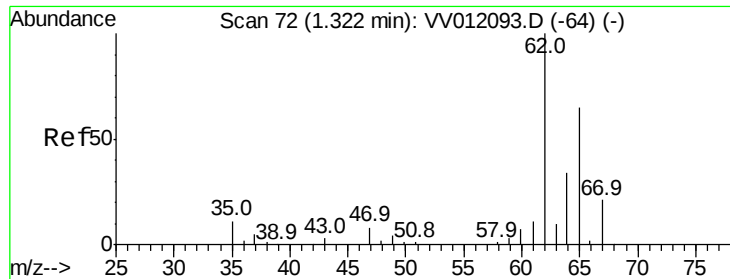
52 41.5 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.238 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 62 Resp: 2445

Ion Ratio Lower Upper

62 100

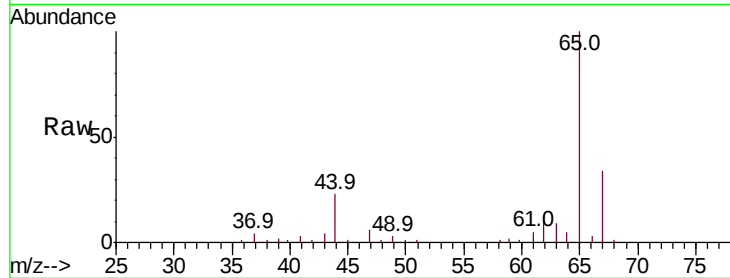
64 41.8 22.0 41.0#

Manual Integrations

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8/6/2019 9:56:05 AM



Abundance Ion 62.00 (61.70 to 62.70): VV012093.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV012096.D (-1) (-)

1.32

2500

2000

1500

1000

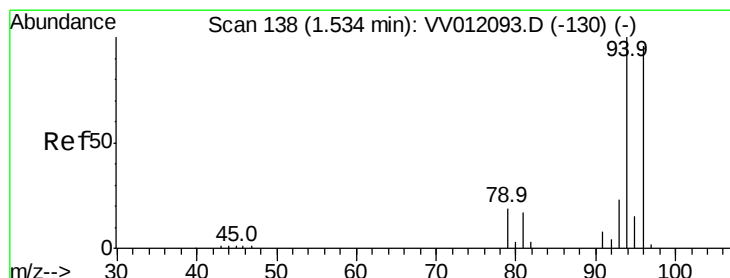
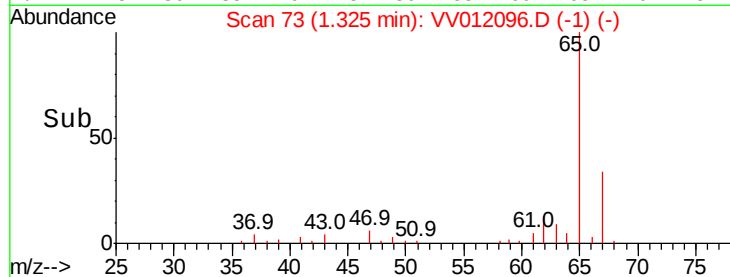
500

0

1.30

1.35

Time-->



#6

Bromomethane

Concen: 0.201 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012096.D

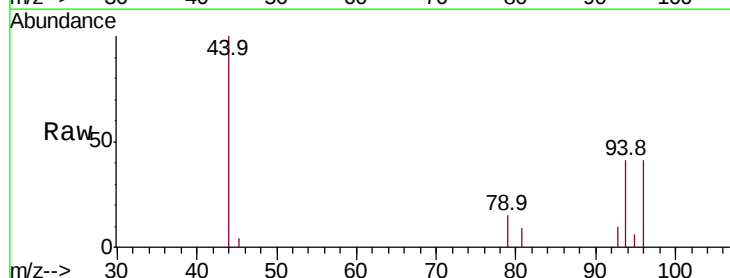
Acq: 02 Aug 2019 11:57

Tgt Ion: 94 Resp: 1230

Ion Ratio Lower Upper

94 100

96 99.5 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV012093.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV012096.D (-45) (-)

1.54

1200

1000

800

600

400

200

0

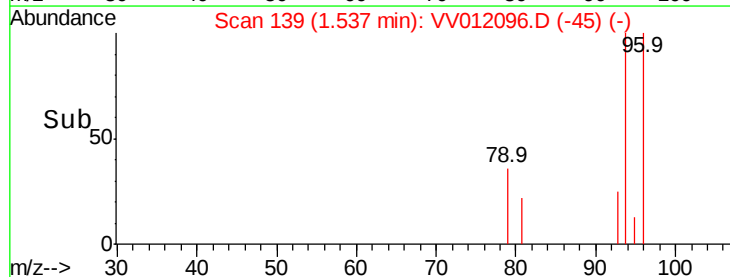
1.50

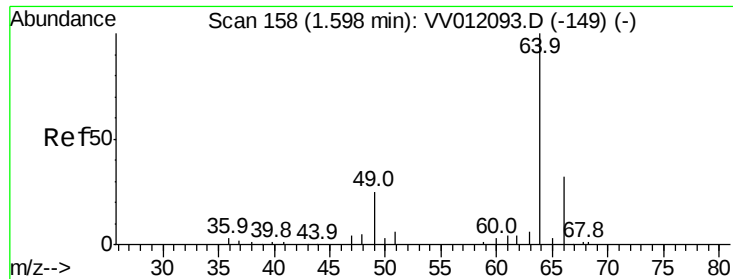
1.52

1.54

1.56

Time-->





#8

Chloroethane

Concen: 0.248 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 64 Resp: 1385

Ion Ratio Lower Upper

64 100

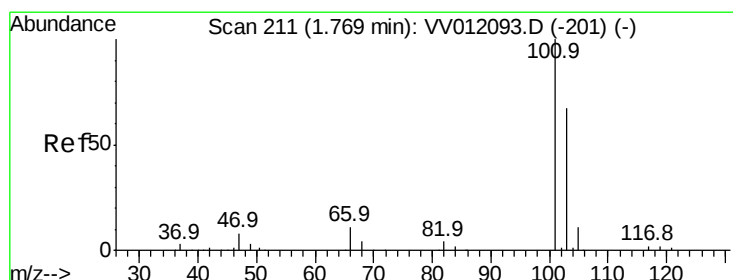
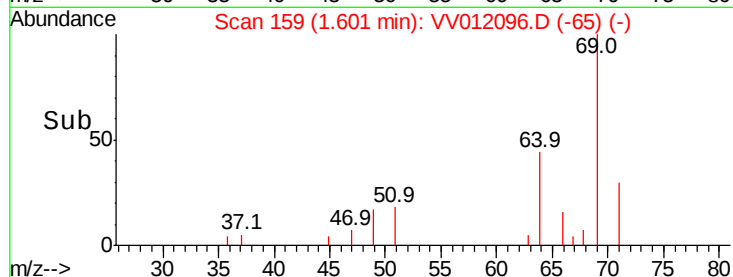
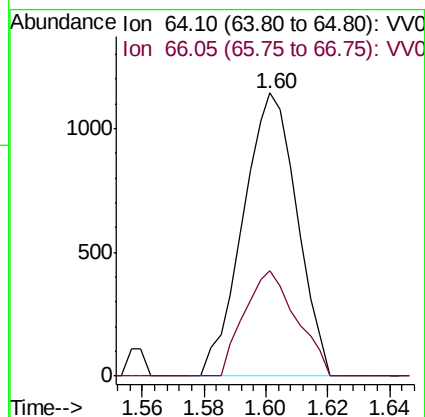
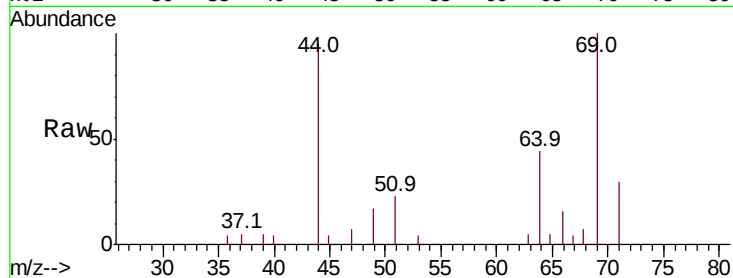
66 33.4 21.7 40.3

Manual Integrations

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8/6/2019 9:56:05 AM



#9

Trichlorofluoromethane

Concen: 0.271 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012096.D

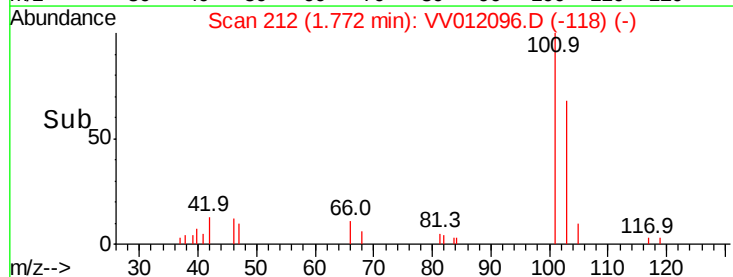
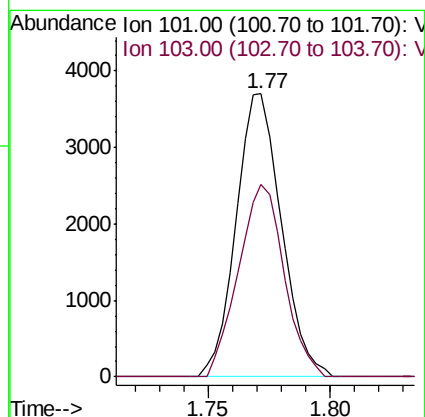
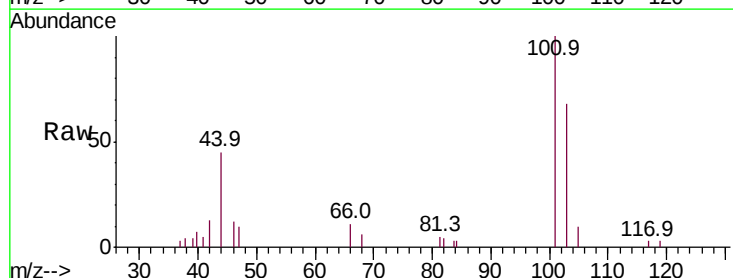
Acq: 02 Aug 2019 11:57

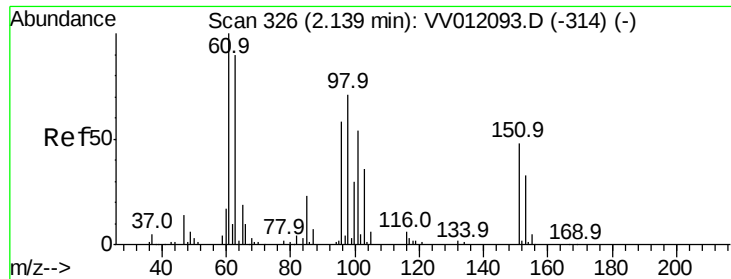
Tgt Ion: 101 Resp: 4761

Ion Ratio Lower Upper

101 100

103 68.5 52.6 79.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.360 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.01 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

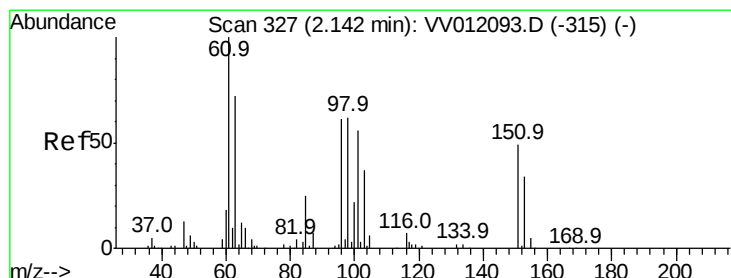
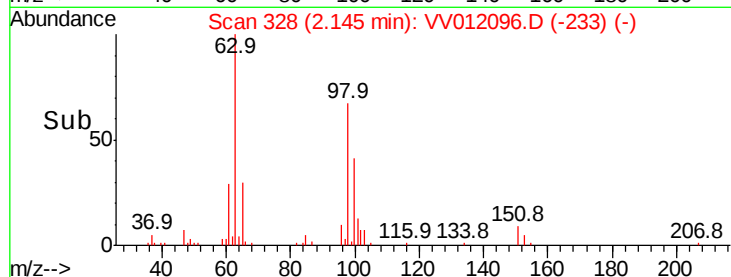
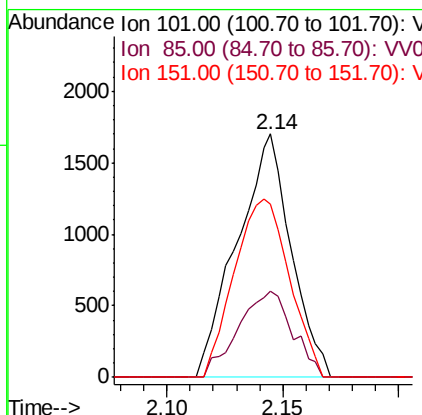
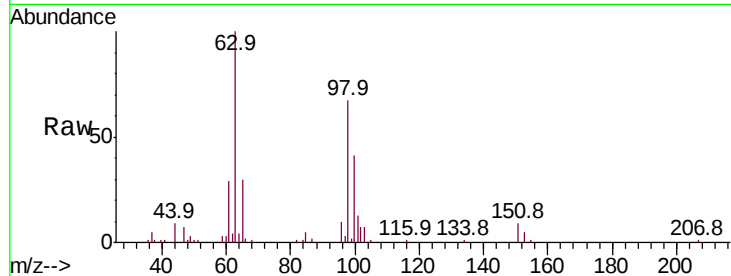
ClientSampleId :

MDL07

Tot Ion	Ratio	Lower	Upper
101	100		
85	35.6	37.8	56.8#
151	74.8	71.4	107.2

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.322 ug/L

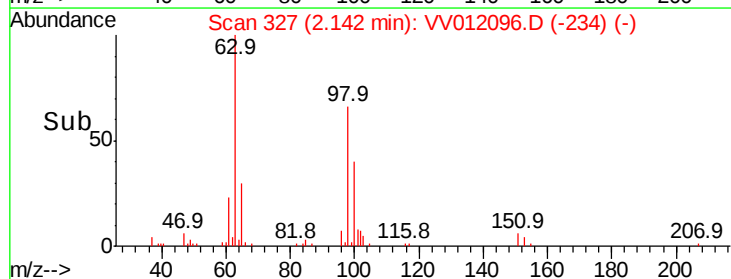
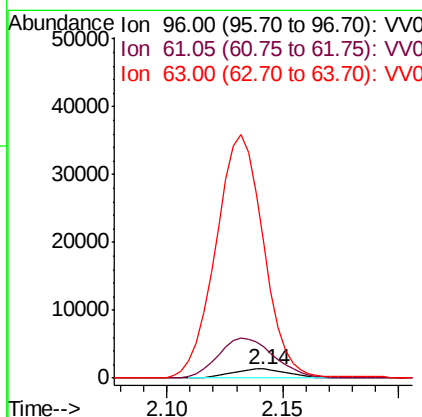
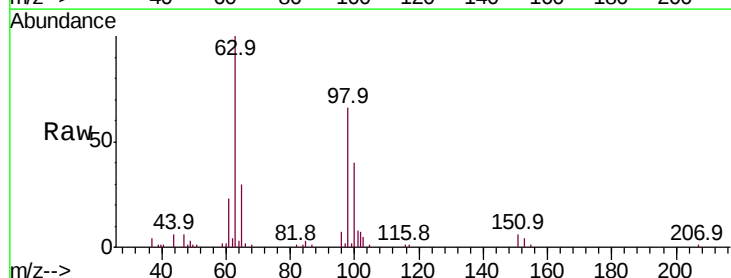
RT: 2.14 min Scan# 327

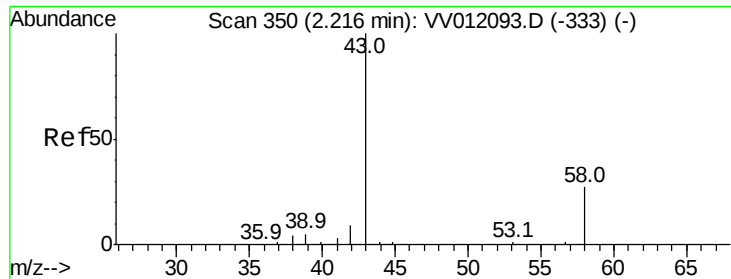
Delta R.T. -0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	346.6	127.8	237.4#
63	1481.9	92.7	172.3#





#13

Acetone

Concen: 3.500 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 43 Resp: 3807

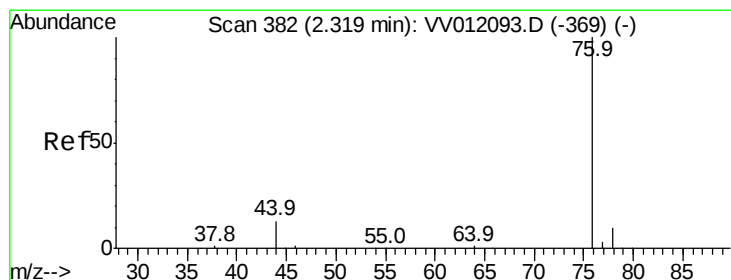
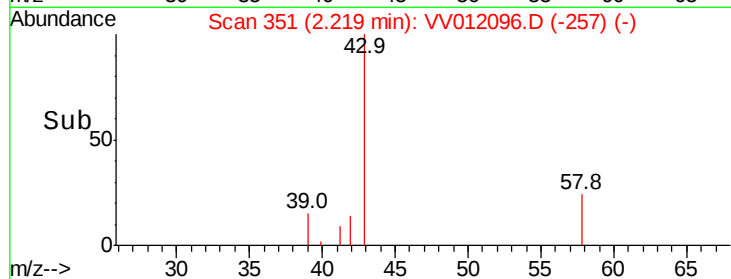
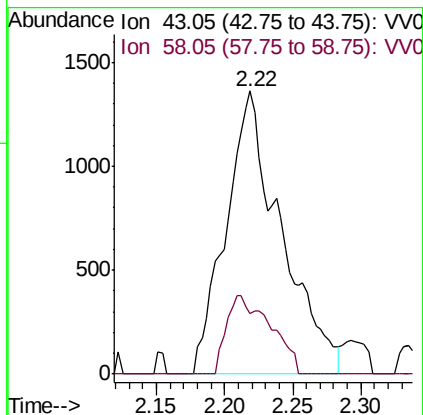
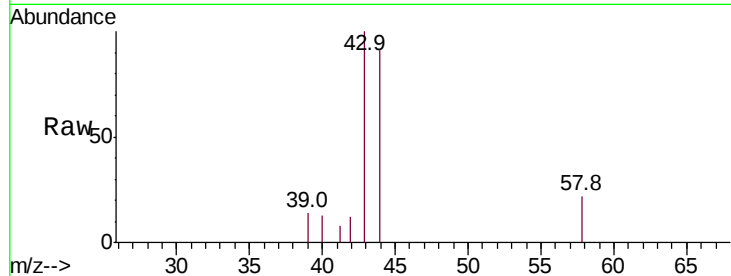
Ion Ratio Lower Upper

43 100

58 22.2 0.0 51.6

Manual Integrations
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MMDadoda
8/6/2019 9:56:05 AM



#14

Carbon disulfide

Concen: 0.264 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV012096.D

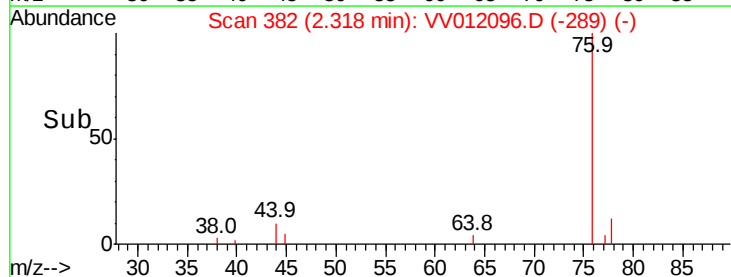
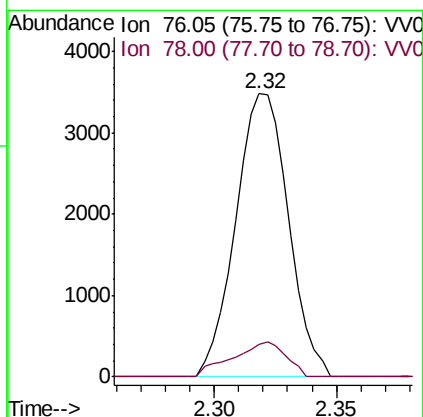
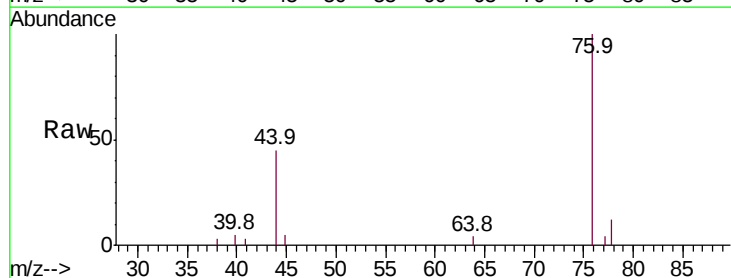
Acq: 02 Aug 2019 11:57

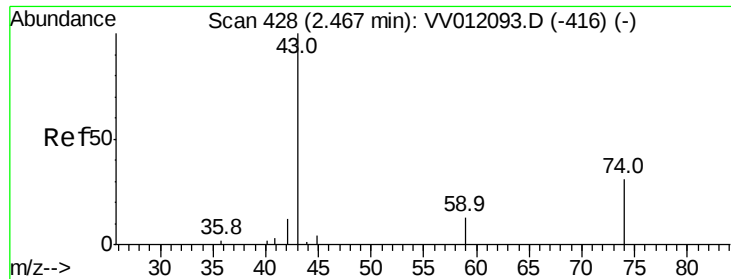
Tgt Ion: 76 Resp: 5212

Ion Ratio Lower Upper

76 100

78 11.6 7.2 10.8#





#15

Methvl Acetate

Concen: 0.359 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 43 Resp: 803

Ion Ratio Lower Upper

43 100

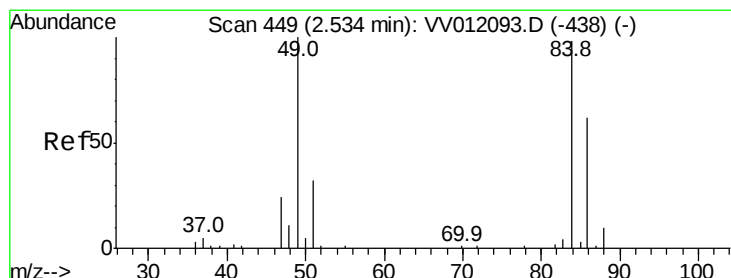
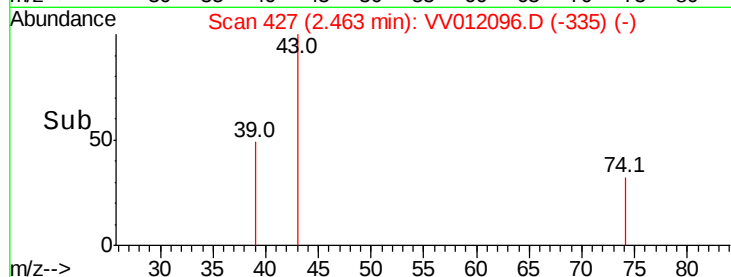
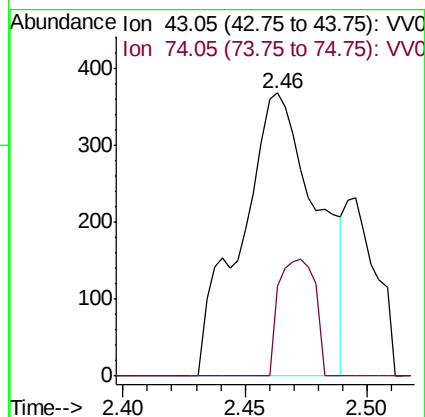
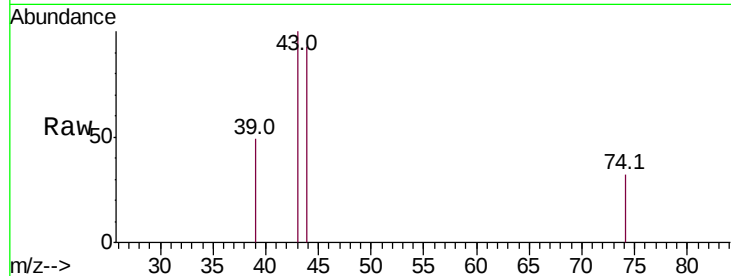
74 19.8 24.4 36.6#

Manual Integrations

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8/6/2019 9:56:05 AM



#16

Methylene chloride

Concen: 0.439 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

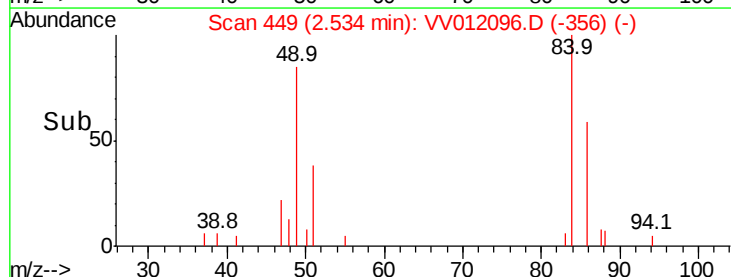
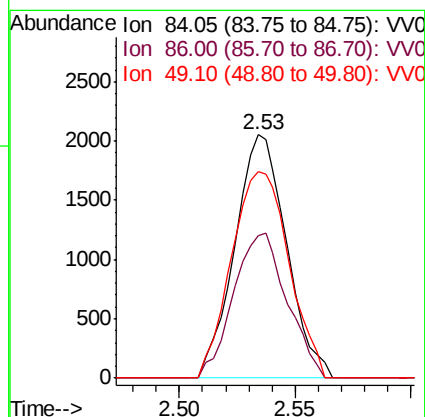
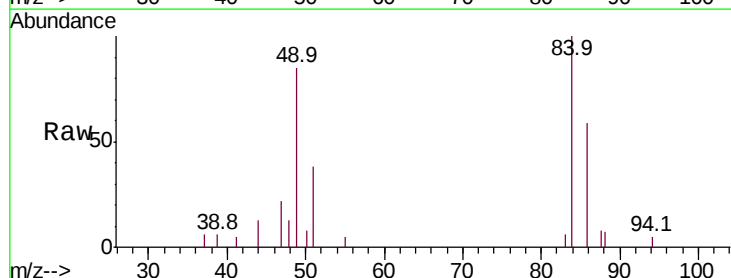
Tgt Ion: 84 Resp: 3178

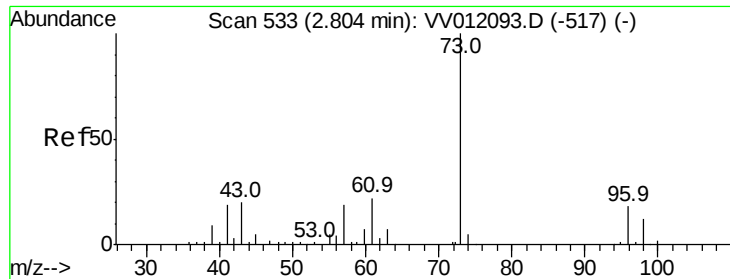
Ion Ratio Lower Upper

84 100

86 58.8 44.9 83.3

49 84.9 78.6 146.0





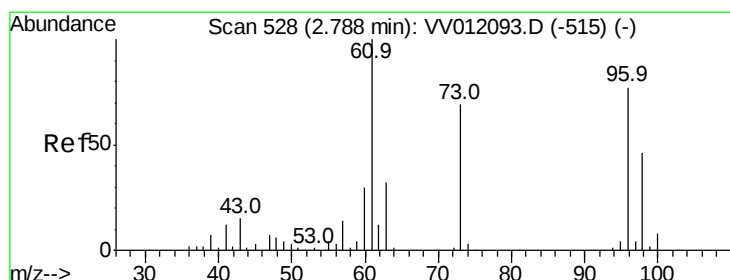
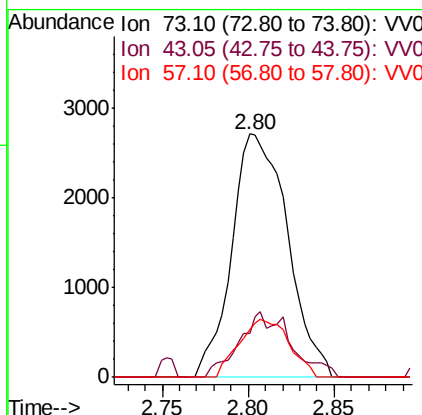
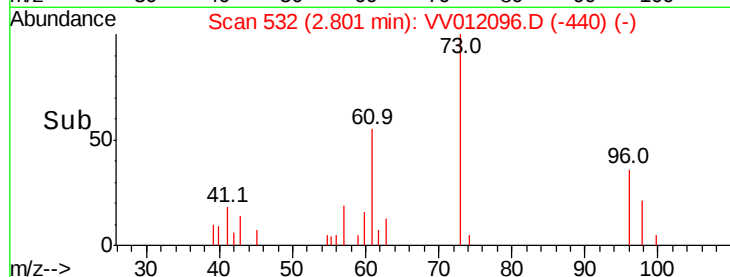
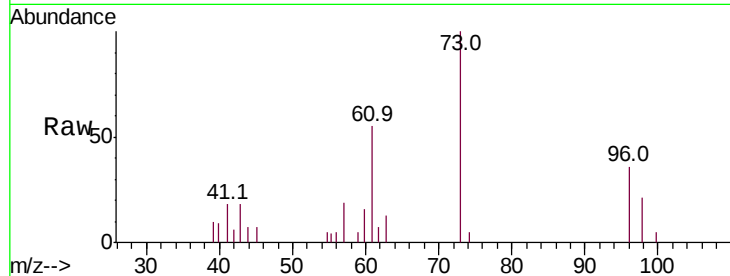
#17
Methvl tert-butvl Ether
Concen: 0.275 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion: 73 Resp: 6112
Ion Ratio Lower Upper
73 100
43 15.2 17.6 26.4#
57 21.3 17.0 25.6

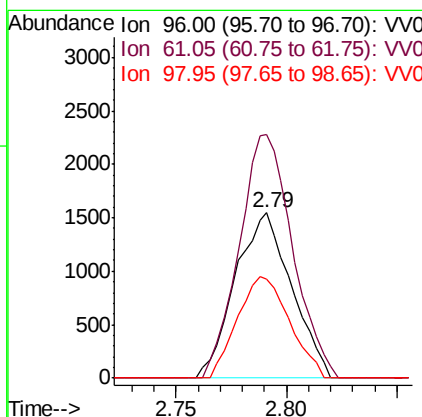
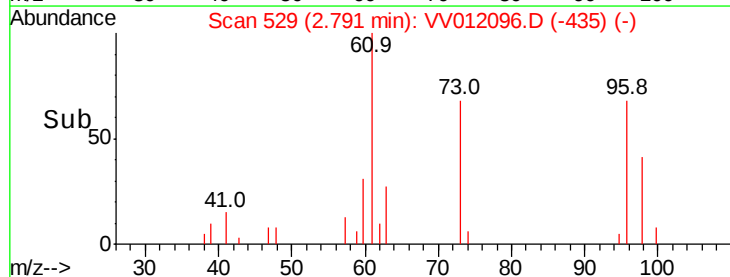
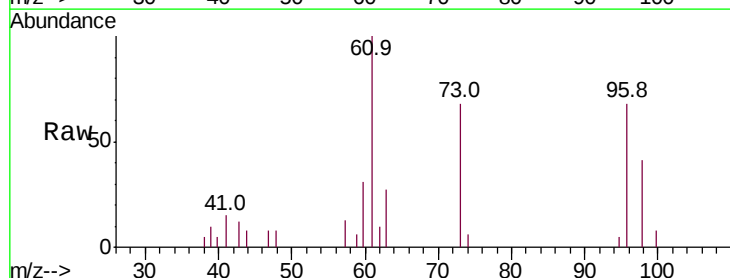
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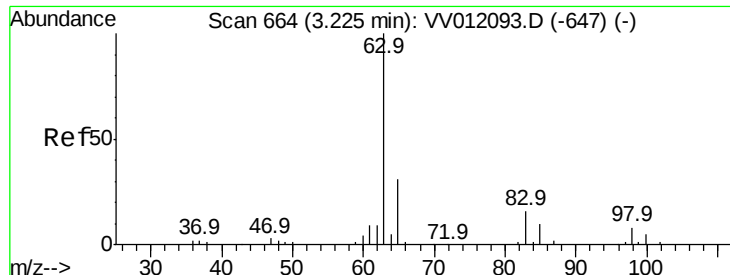
MMDadoda
8/6/2019 9:56:05 AM



#18
trans-1,2-Dichloroethene
Concen: 0.270 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Tgt Ion: 96 Resp: 2744
Ion Ratio Lower Upper
96 100
61 147.4 97.2 180.6
98 60.1 45.0 83.6





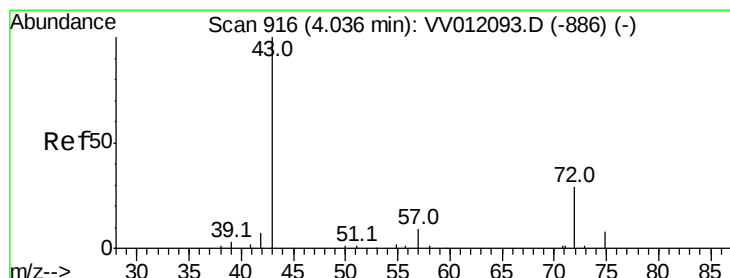
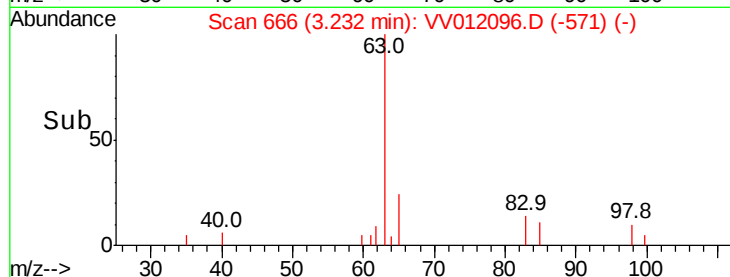
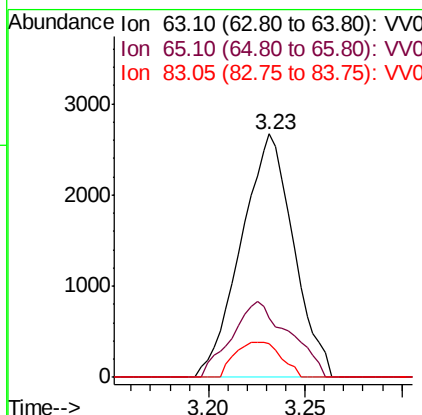
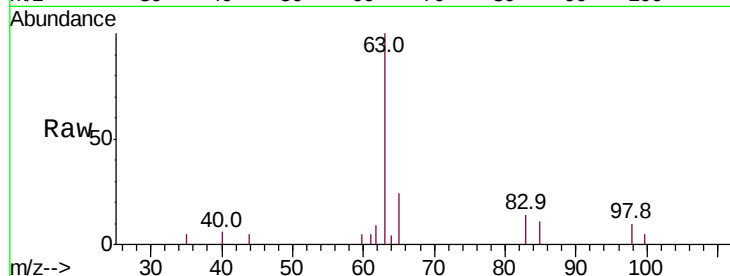
#19
 1,1-Dichloroethane
 Concen: 0.276 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion: 63 Resp: 5024
 Ion Ratio Lower Upper
 63 100
 65 24.1 23.0 42.6
 83 13.7 9.7 17.9

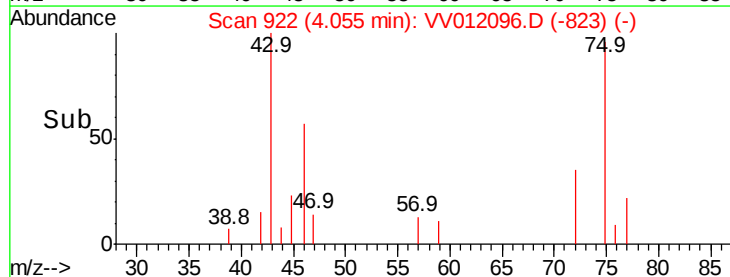
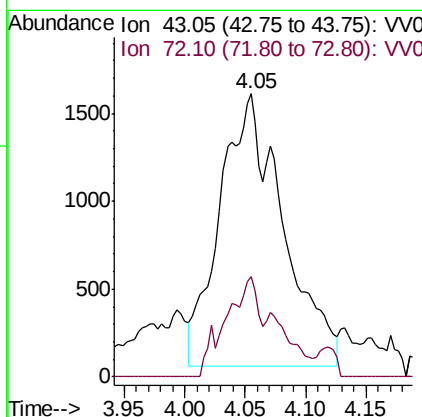
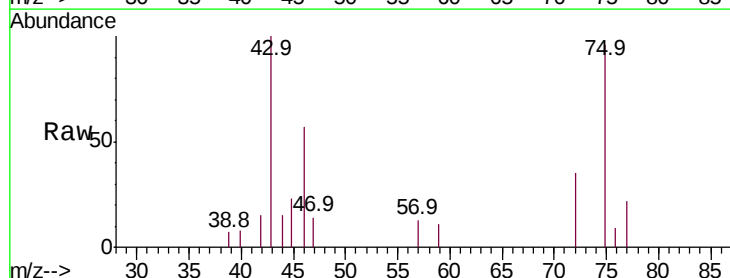
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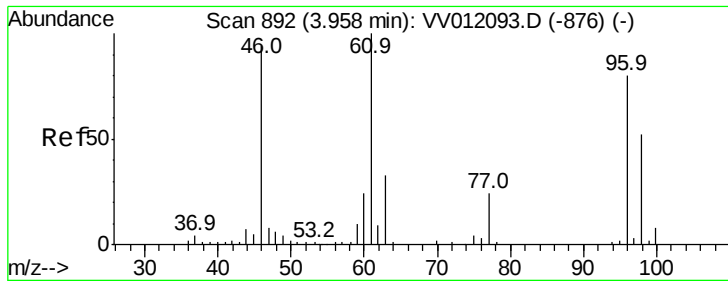
MMDadoda
 8/6/2019 9:56:05 AM



#21
 2-Butanone
 Concen: 2.617 ug/L m
 RT: 4.05 min Scan# 922
 Delta R.T. 0.02 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion: 43 Resp: 5616
 Ion Ratio Lower Upper
 43 100
 72 16.6 13.4 40.2





#22

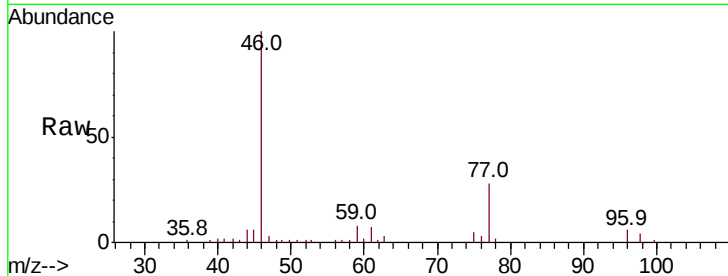
cis-1,2-Dichloroethene
 Concen: 0.270 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.4	90.0	167.2
68	0.0	0.0	0.0

Manual Integrations
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MMDadoda
 8/6/2019 9:56:05 AM

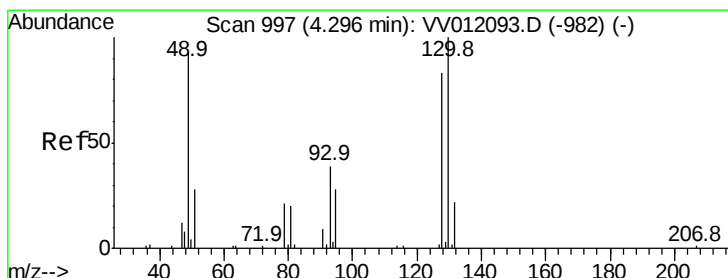
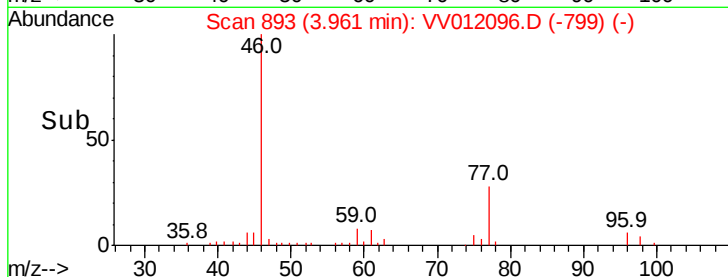
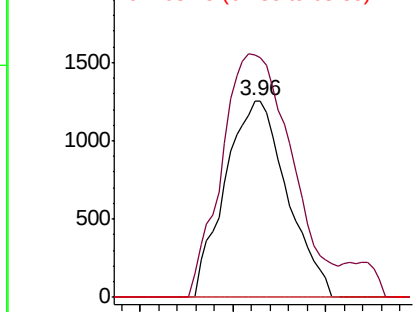


Abundance

Ion 96.00 (95.70 to 96.70): VV012096.D (-799) (-)

Ion 61.05 (60.75 to 61.75): VV012096.D (-799) (-)

Ion 68.15 (67.85 to 68.85): VV012096.D (-799) (-)



#23

Bromochloromethane
 Concen: 0.258 ug/L m
 RT: 4.31 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
128	100		
49	100.5	105.1	195.1#
130	110.9	88.9	165.1
51	42.0	36.2	54.2

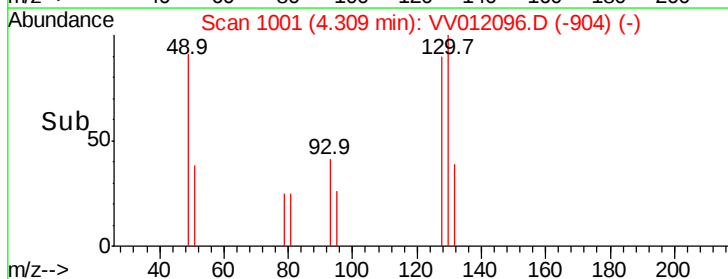
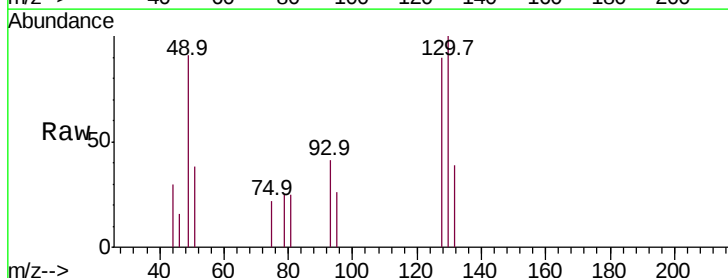
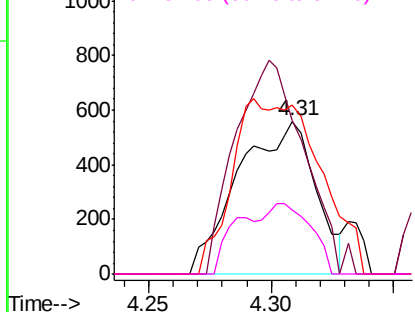
Abundance

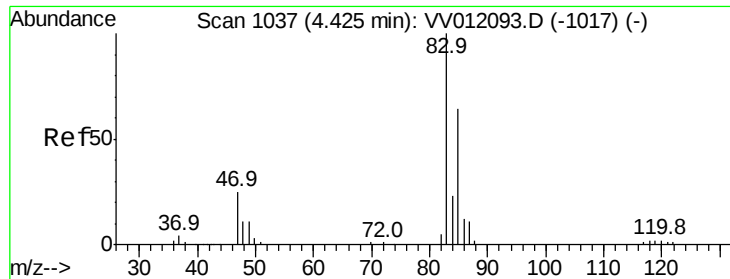
Ion 127.90 (127.60 to 128.60): VV012096.D (-904) (-)

Ion 49.10 (48.80 to 49.80): VV012096.D (-904) (-)

Ion 129.95 (129.65 to 130.65): VV012096.D (-904) (-)

Ion 51.05 (50.75 to 51.75): VV012096.D (-904) (-)





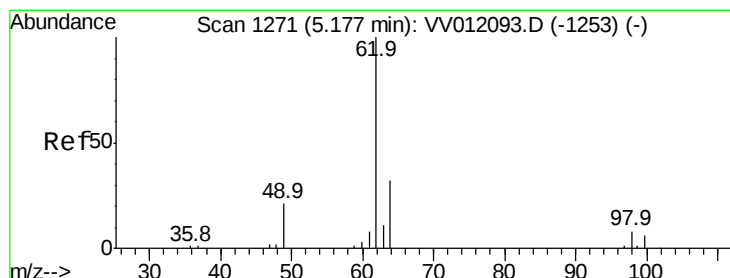
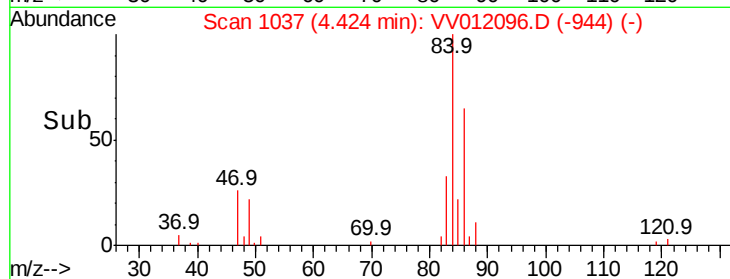
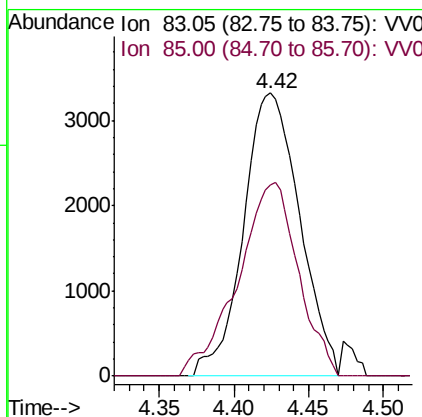
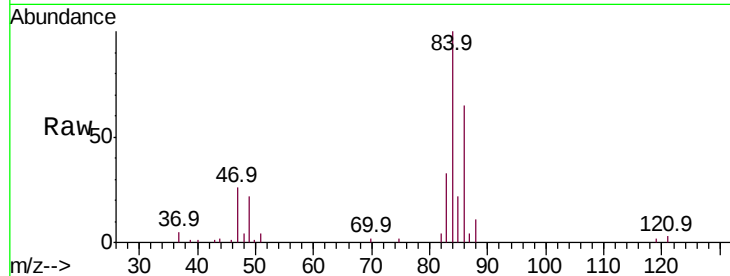
#25
Chloroform
Concen: 0.380 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion: 83 Resp: 8681
Ion Ratio Lower Upper
83 100
85 67.6 45.2 84.0

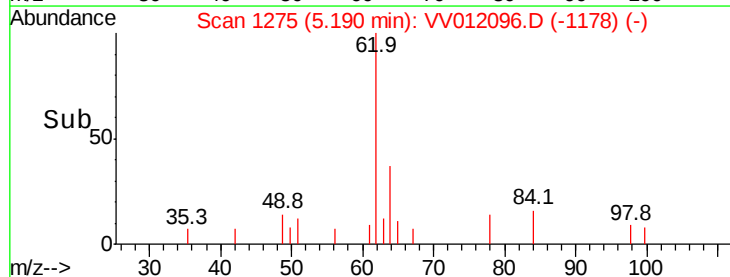
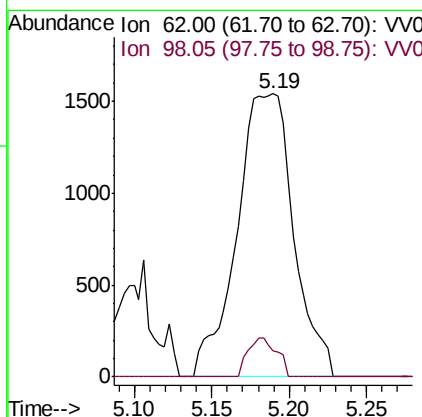
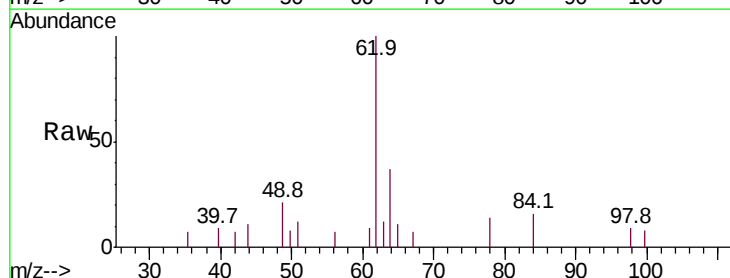
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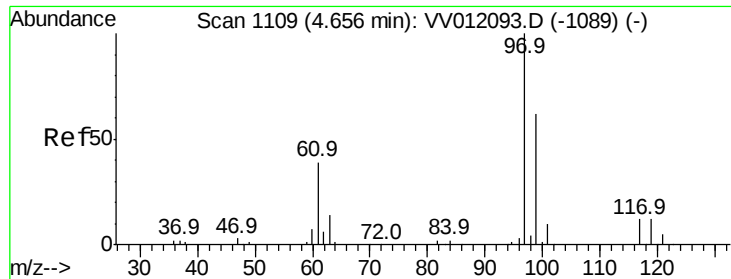
MMDadoda
8/6/2019 9:56:05 AM



#27
1,2-Dichloroethane
Concen: 0.312 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Tgt Ion: 62 Resp: 3932
Ion Ratio Lower Upper
62 100
98 9.3 7.0 10.6





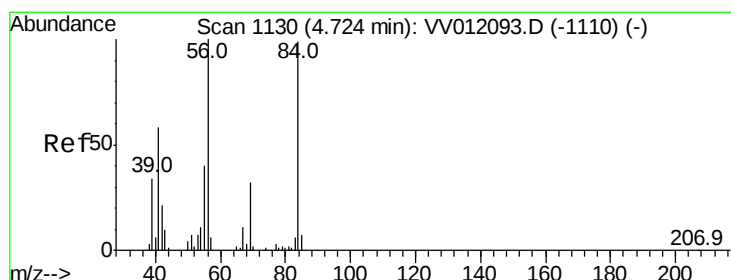
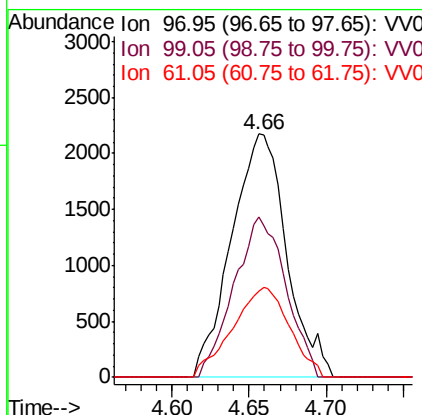
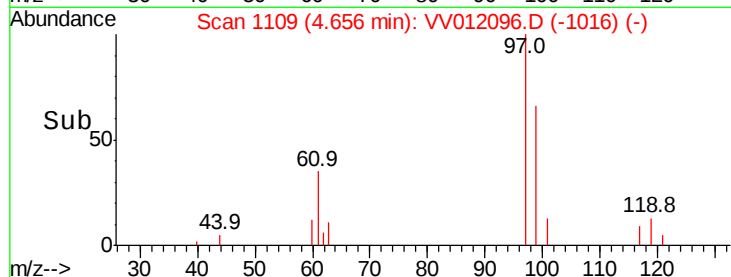
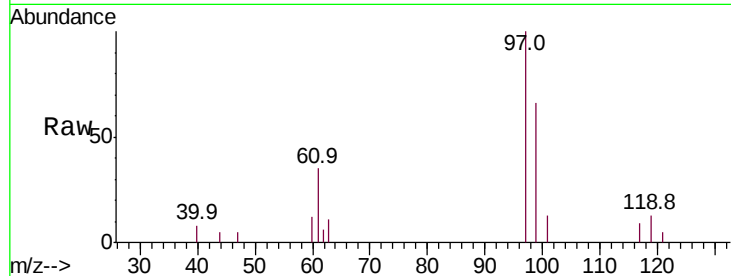
#29
1,1,1-Trichloroethane
Concen: 0.301 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
97	100		
99	62.0	51.8	77.8
61	38.2	34.5	51.7

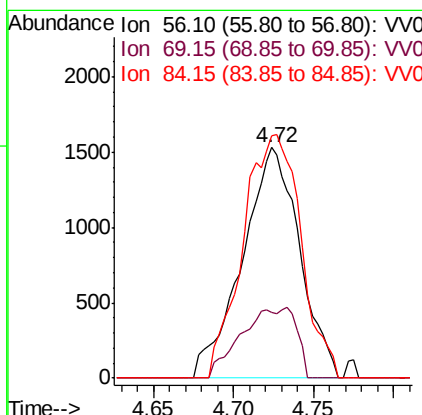
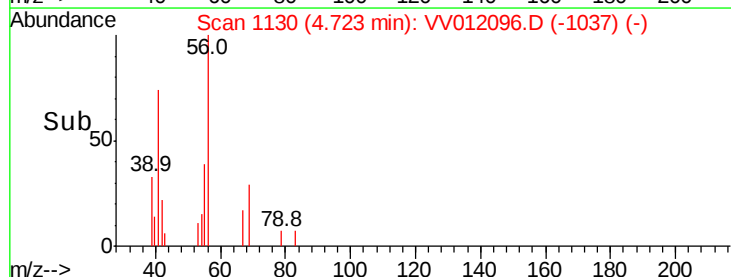
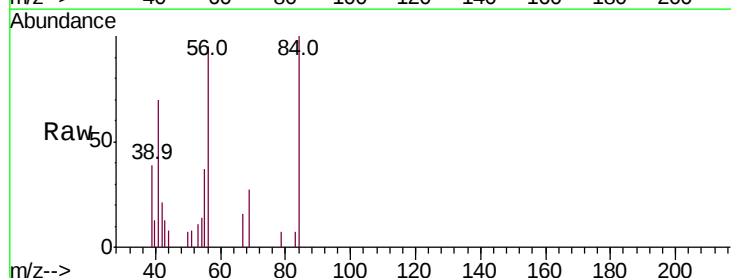
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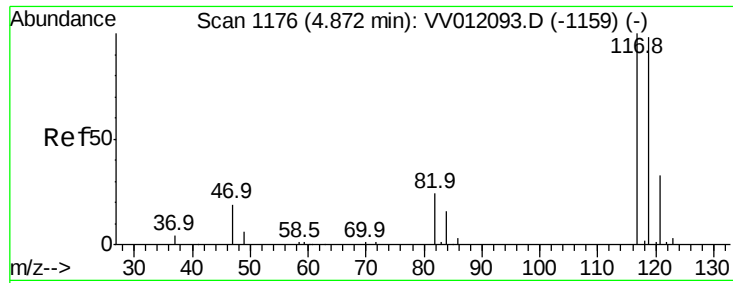
MMDadoda
8/6/2019 9:56:05 AM



#30
Cyclohexane
Concen: 0.246 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
56	100		
69	19.8	24.8	37.2#
84	106.0	75.4	113.2





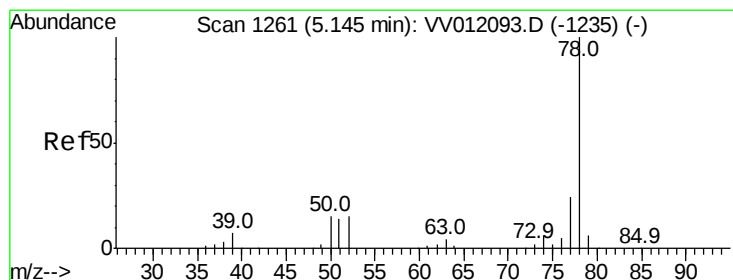
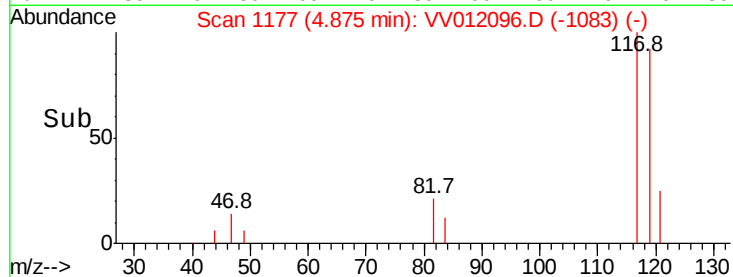
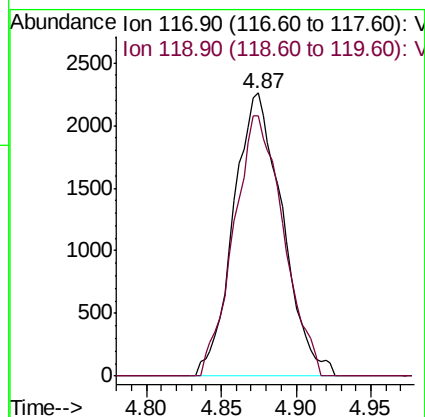
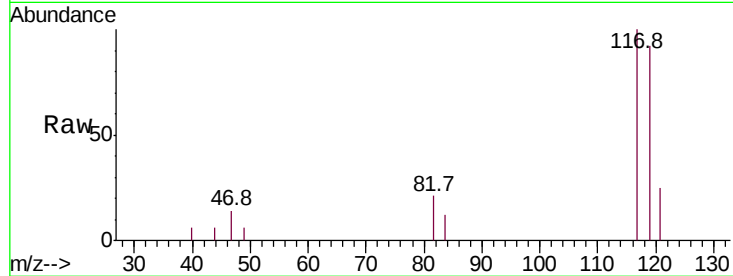
#31
Carbon tetrachloride
Concen: 0.319 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion:117 Resp: 5137
Ion Ratio Lower Upper
117 100
119 93.3 77.7 116.5

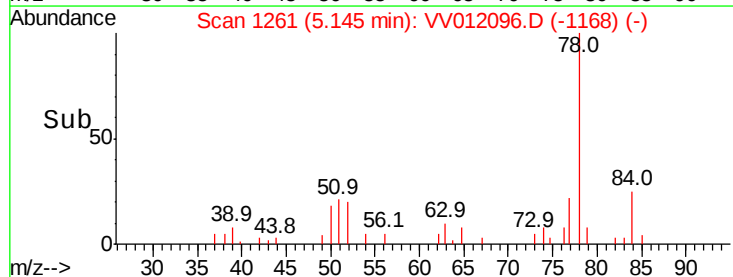
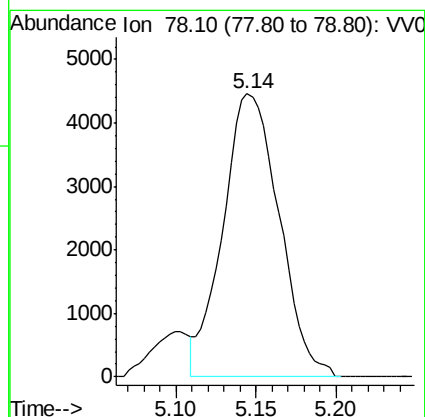
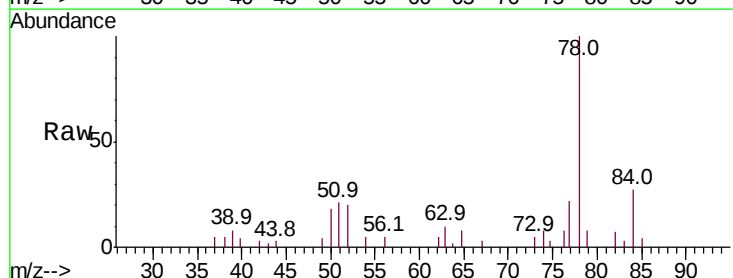
Manual Integrations
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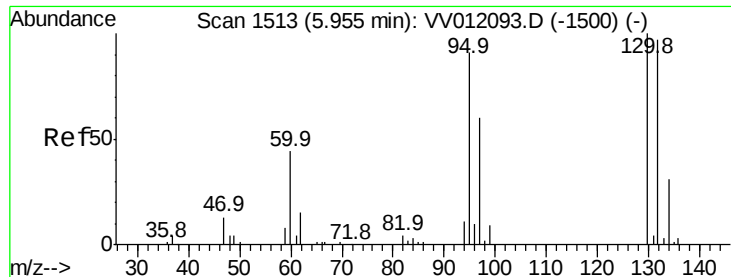
MMDadoda
8/6/2019 9:56:05 AM



#33
Benzene
Concen: 0.273 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Tgt Ion: 78 Resp: 10744





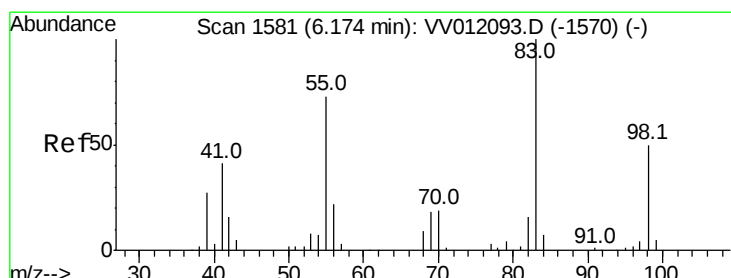
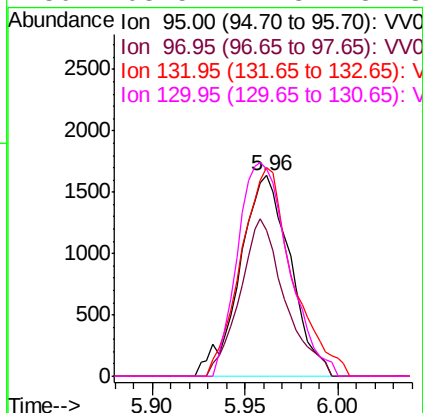
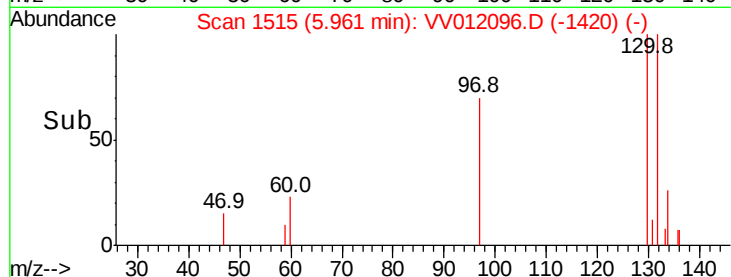
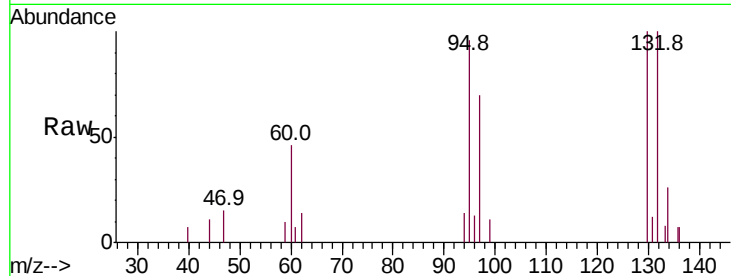
#34
 Trichloroethene
 Concen: 0.275 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.01 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
95	100		
97	73.1	42.8	79.6
132	104.0	70.8	131.6
130	103.5	72.3	134.3

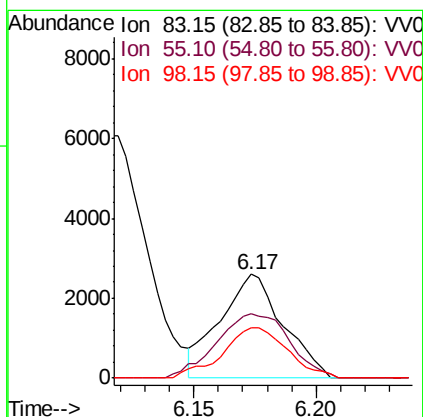
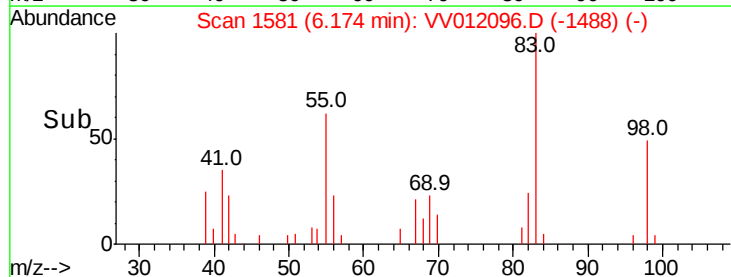
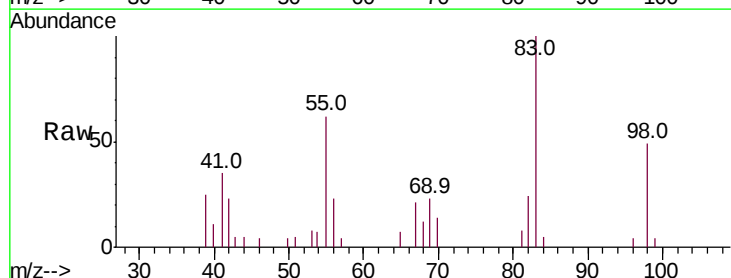
Manual Integrations
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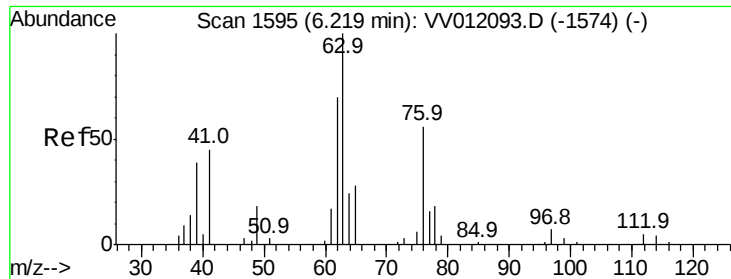
MMDadoda
 8/6/2019 9:56:05 AM



#35
 Methylcyclohexane
 Concen: 0.266 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.6	60.1	90.1
98	50.2	40.2	60.4





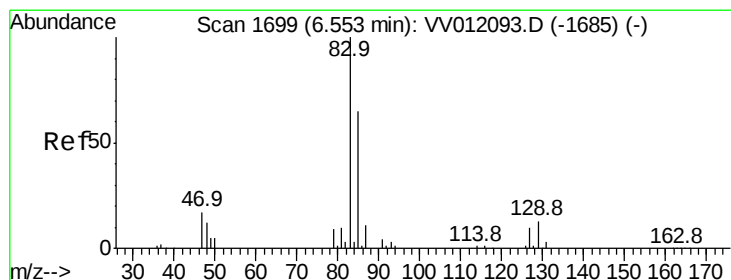
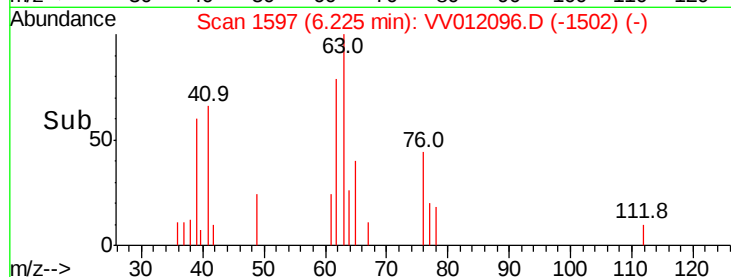
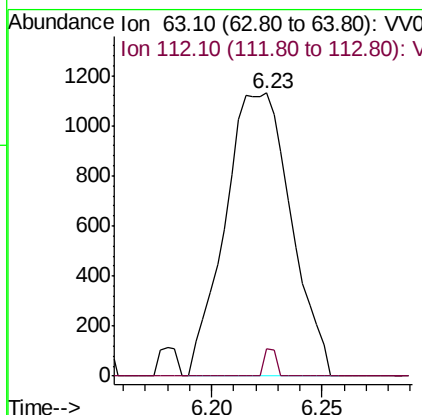
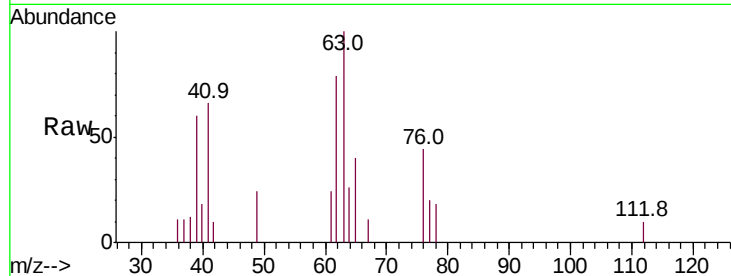
#37
 1,2-Dichloropropane
 Concen: 0.258 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion: 63 Resp: 2350
 Ion Ratio Lower Upper
 63 100
 112 1.7 3.8 5.6#

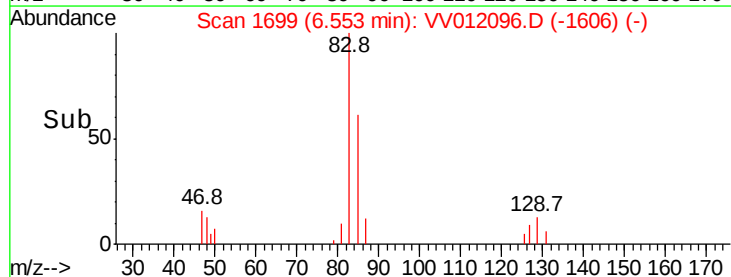
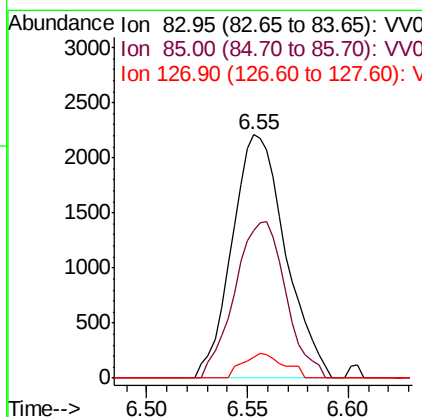
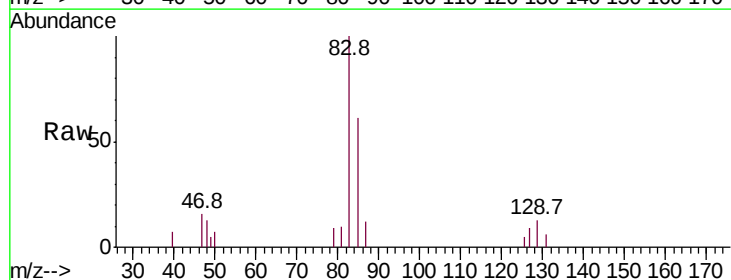
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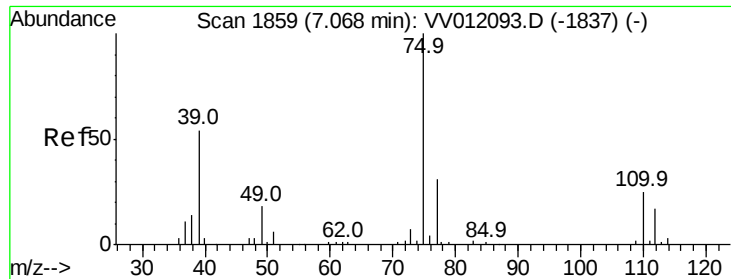
MMDadoda
 8/6/2019 9:56:05 AM



#38
 Bromodichloromethane
 Concen: 0.319 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion: 83 Resp: 4093
 Ion Ratio Lower Upper
 83 100
 85 60.7 43.9 81.5
 127 8.6 6.9 10.3





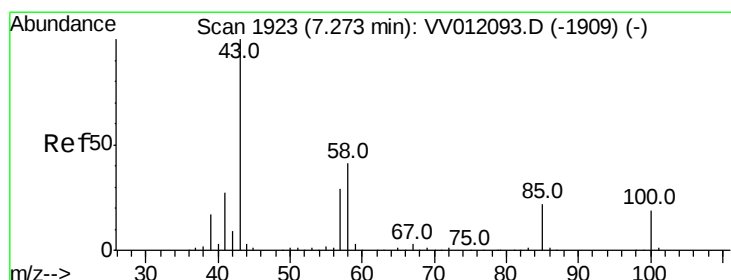
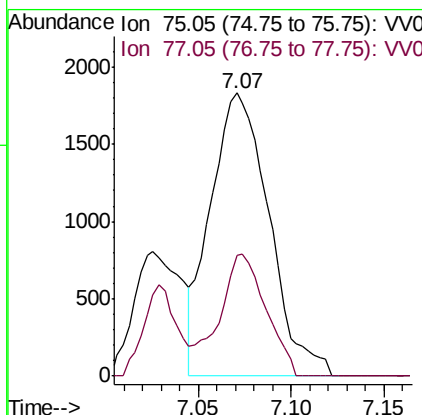
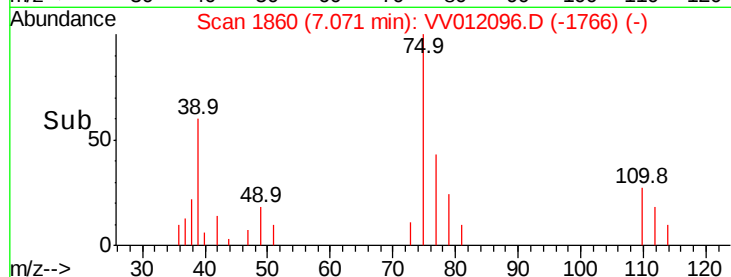
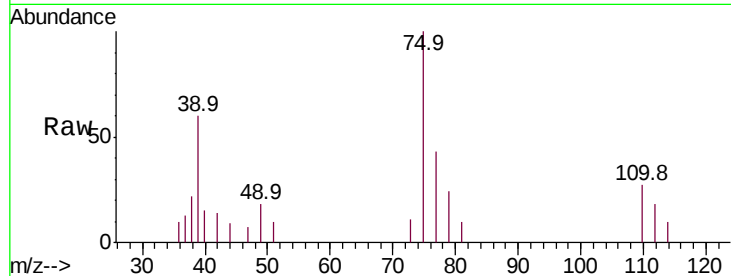
#39
 cis-1,3-Dichloropropene
 Concen: 0.282 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion: 75 Resp: 4018
 Ion Ratio Lower Upper
 75 100
 77 42.6 22.4 41.6#

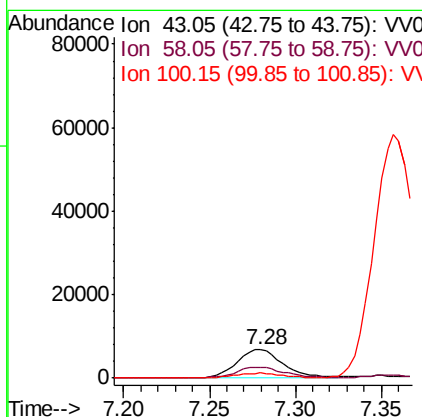
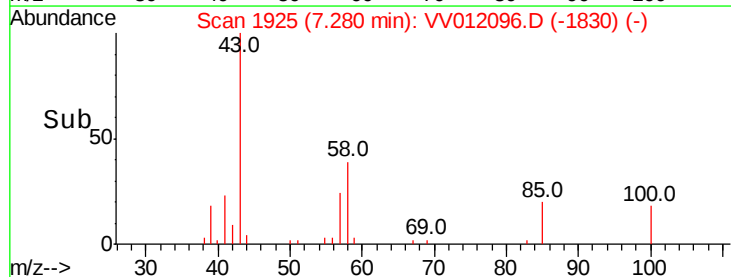
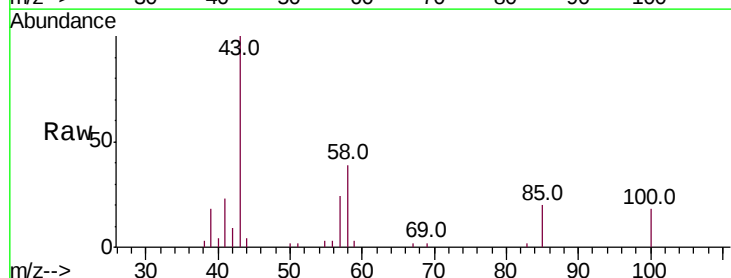
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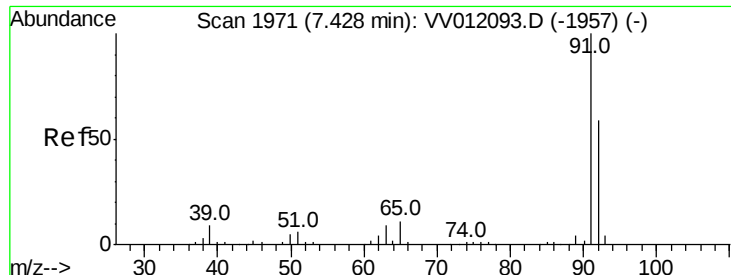
MMDadoda
 8/6/2019 9:56:05 AM



#40
 4-Methyl-2-pentanone
 Concen: 2.473 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.01 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion: 43 Resp: 12697
 Ion Ratio Lower Upper
 43 100
 58 41.5 31.9 47.9
 100 0.0 14.0 21.0#





#42

Toluene

Concen: 0.280 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 91 Resp: 12261

Ion Ratio Lower Upper

91 100

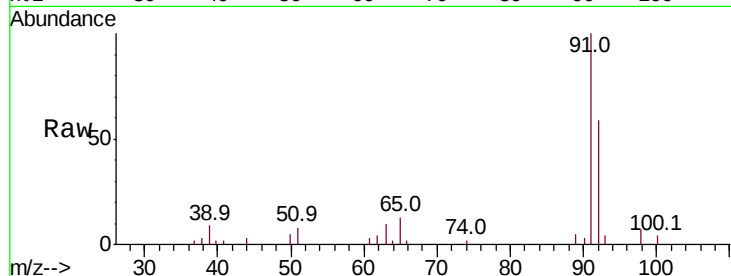
92 58.8 41.3 76.7

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Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

8000

6000

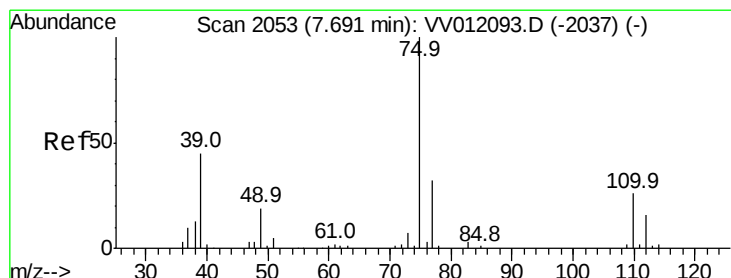
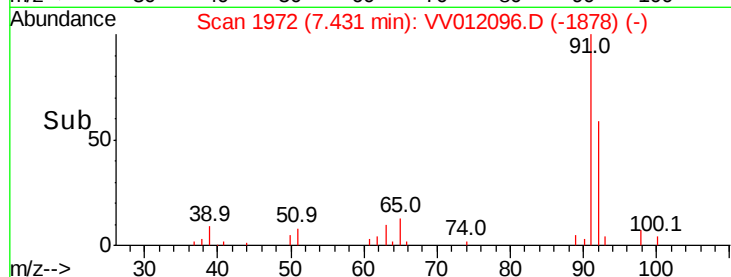
4000

2000

0

7.40 7.43 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.306 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012096.D

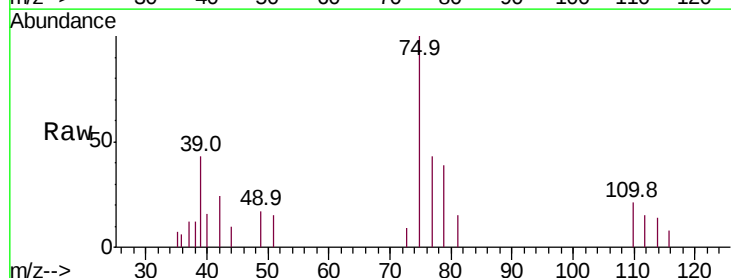
Acq: 02 Aug 2019 11:57

Tgt Ion: 75 Resp: 3525

Ion Ratio Lower Upper

75 100

77 43.4 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

2000

1500

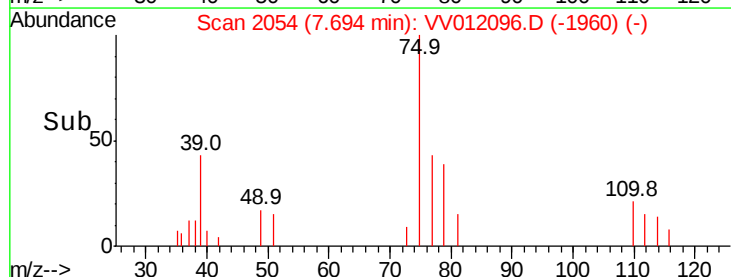
1000

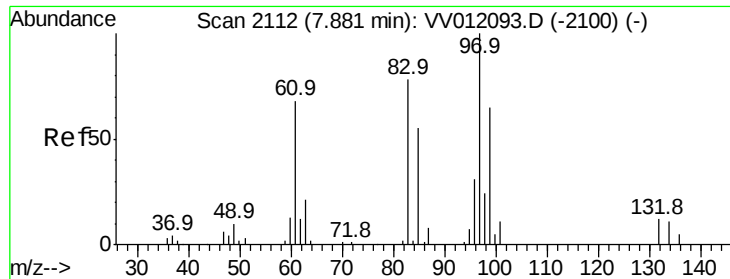
500

0

7.65 7.70 7.75

Time-->





#45

1,1,2-Trichloroethane

Concen: 0.256 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 97 Resp: 1780

Ion Ratio Lower Upper

97 100

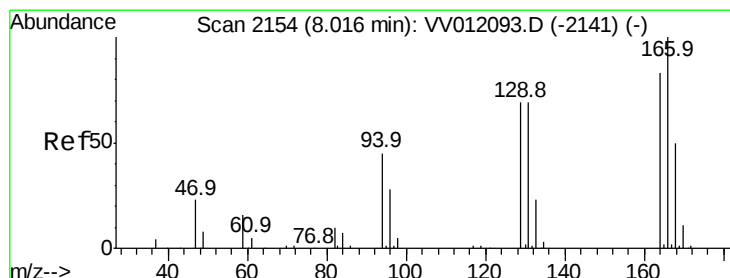
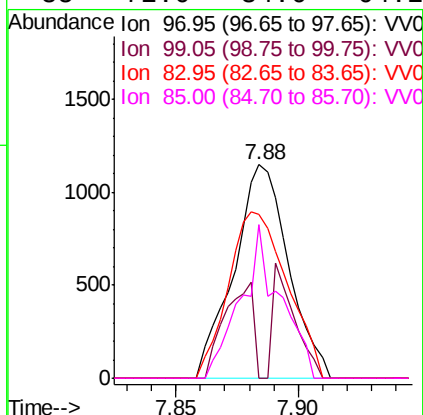
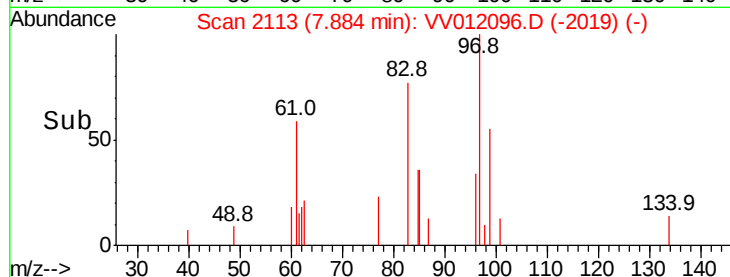
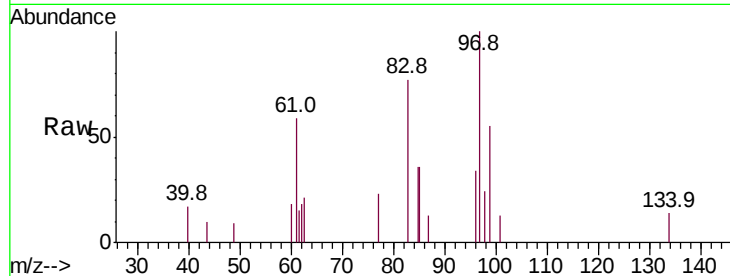
99 0.0 42.0 78.0#

83 76.9 57.6 107.0

85 72.0 34.6 64.2#

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MMDadoda
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#47

Tetrachloroethene

Concen: 0.307 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Tgt Ion: 164 Resp: 3006

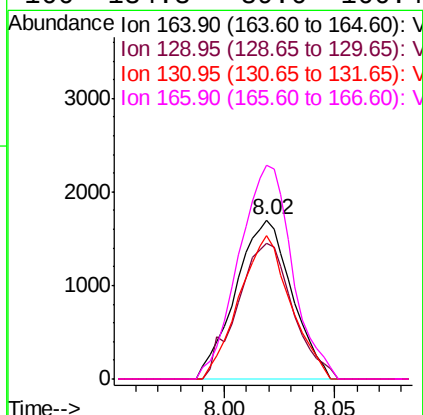
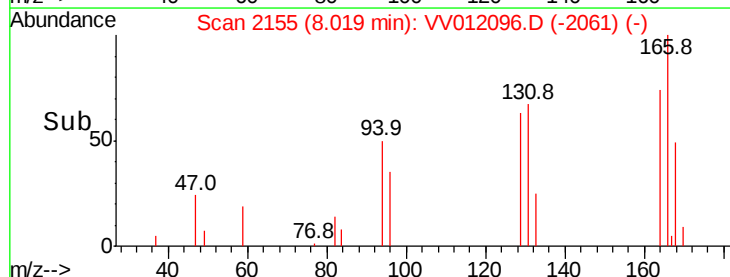
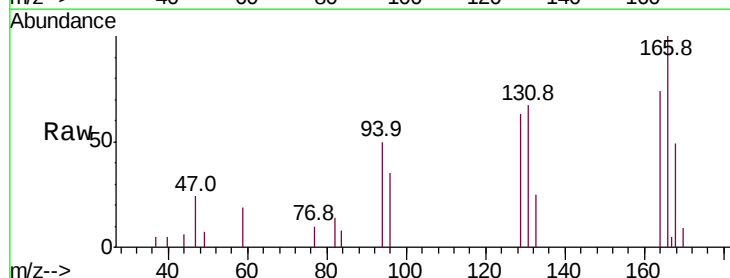
Ion Ratio Lower Upper

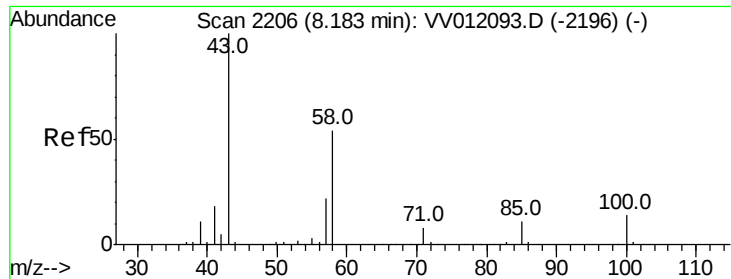
164 100

129 85.2 61.9 114.9

131 90.2 59.4 110.4

166 134.3 89.6 166.4





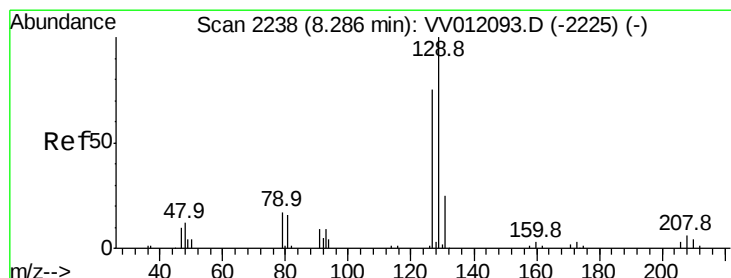
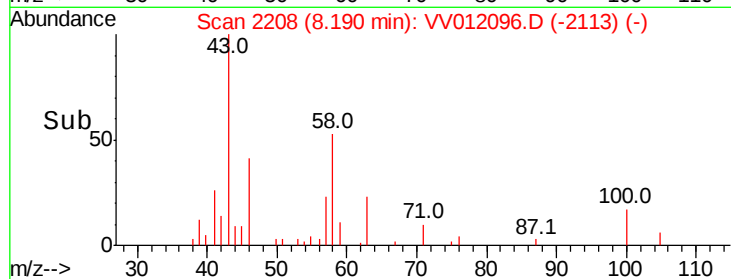
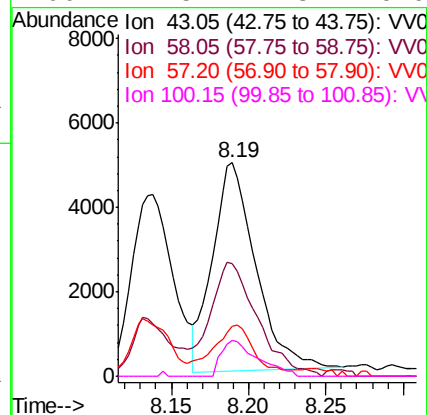
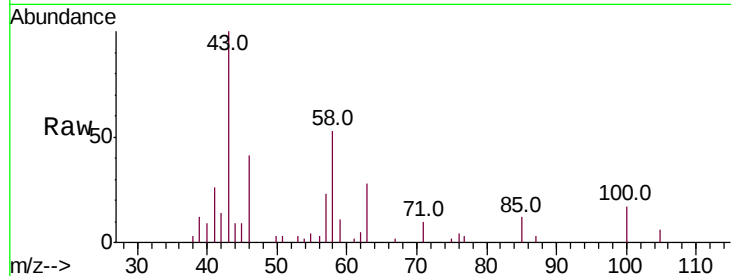
#48
2-Hexanone
Concen: 2.648 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.0	44.1	66.1
57	23.8	16.1	24.1
100	14.5	11.3	16.9

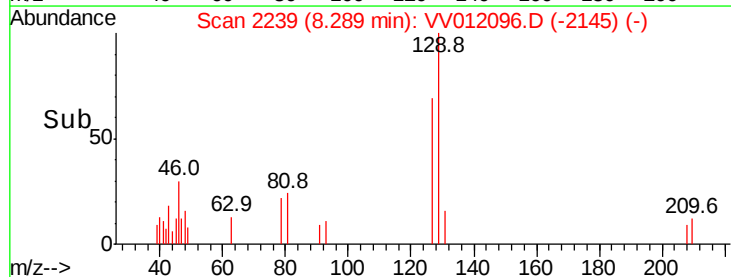
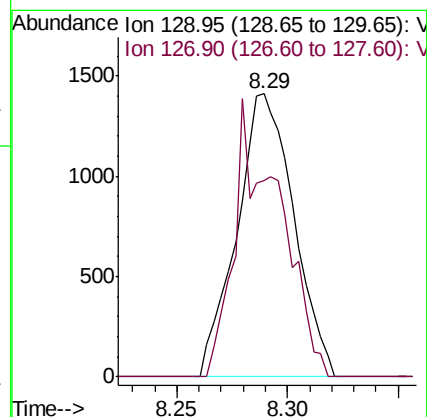
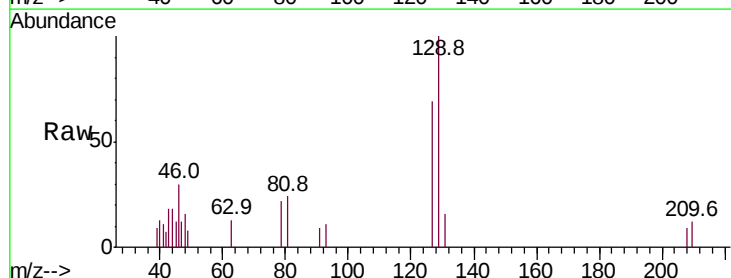
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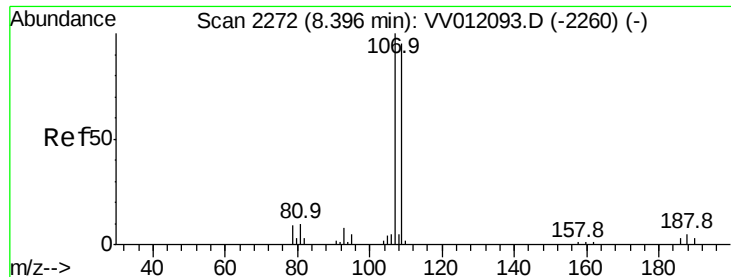
MMDadoda
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#49
Dibromochloromethane
Concen: 0.297 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	69.4	55.4	102.8





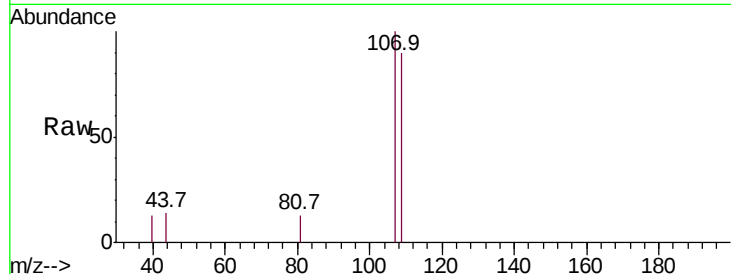
#50
1,2-Dibromoethane
Concen: 0.297 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Instrument :
MSVOA_V
ClientSampleId :
MDL07

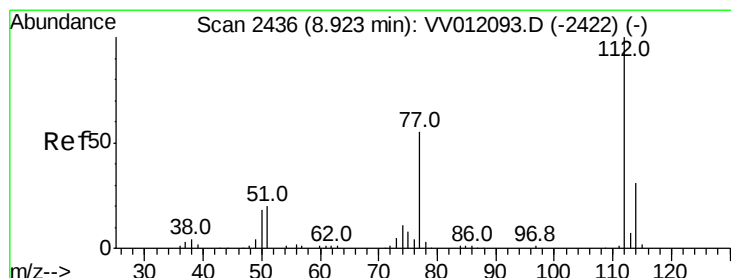
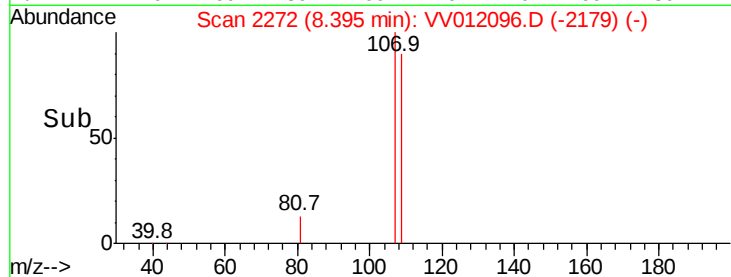
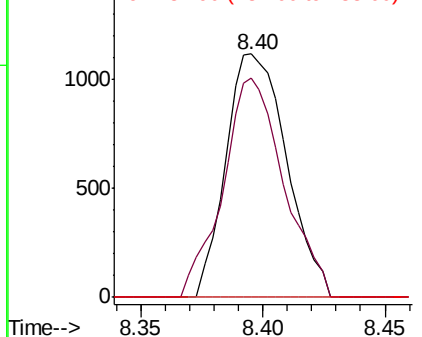
Tot Ion	Ratio	Resp	Lower	Upper
107	100	1928		
109	90.1	66.3	123.1	
188	0.0	3.4	5.0#	

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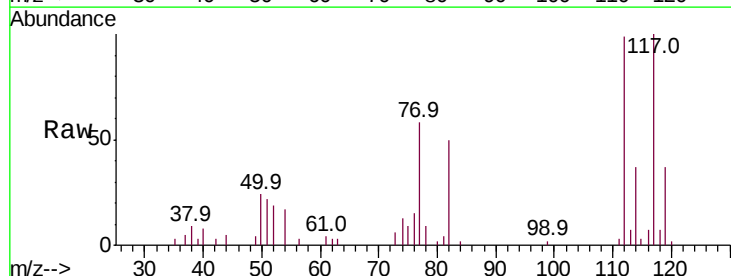


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

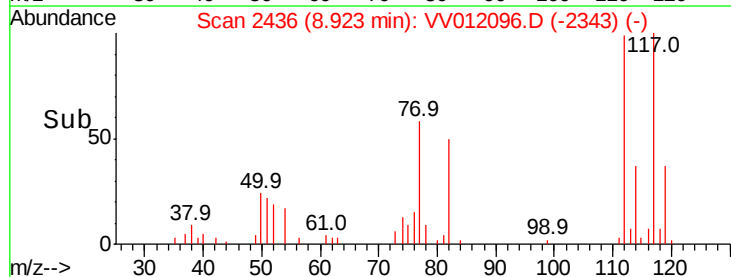
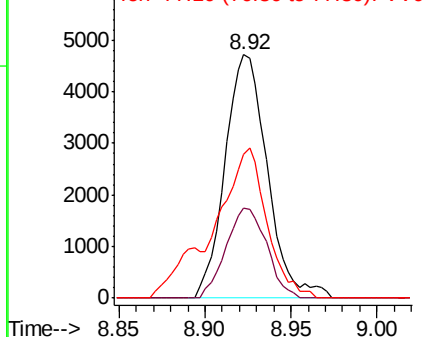


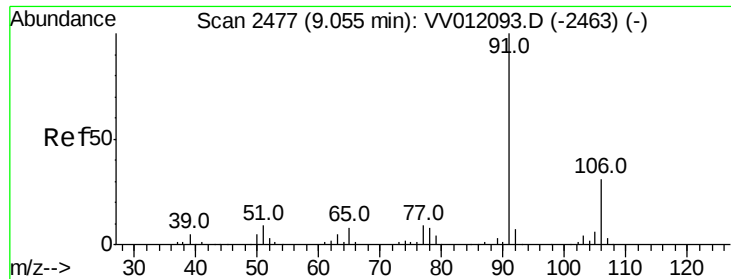
#51
Chlorobenzene
Concen: 0.275 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	8055		
114	37.1	22.1	41.1	
77	58.9	45.9	68.9	



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.266 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 91 Resp: 13267

Ion Ratio Lower Upper

91 100

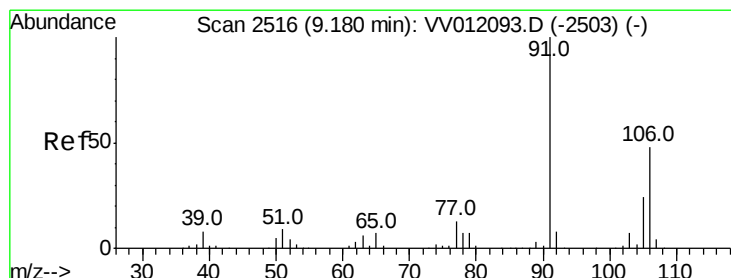
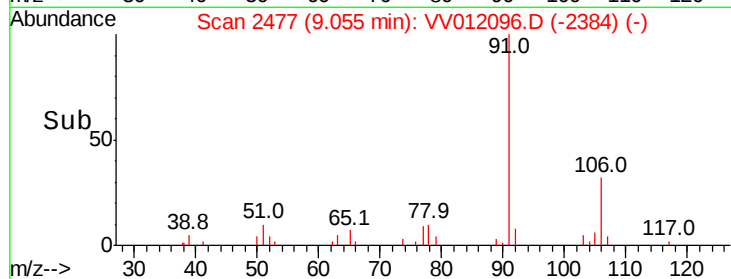
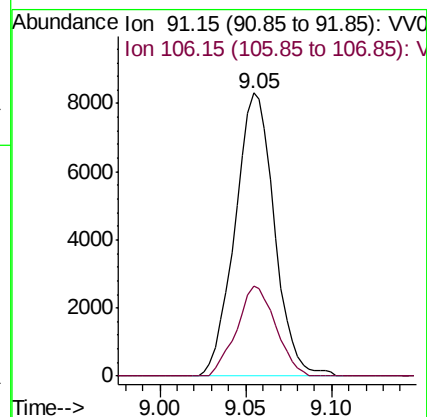
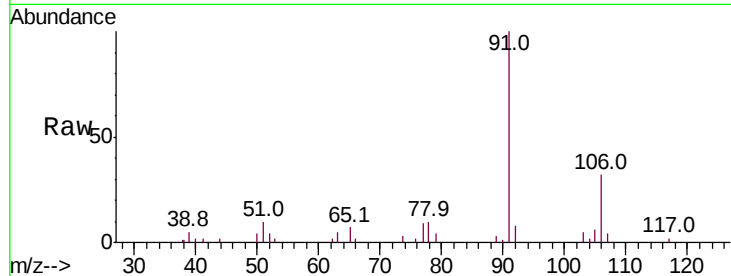
106 32.0 21.6 40.2

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#53

m,p-xylene

Concen: 0.259 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012096.D

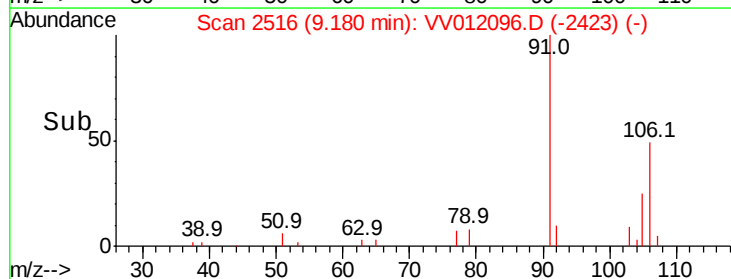
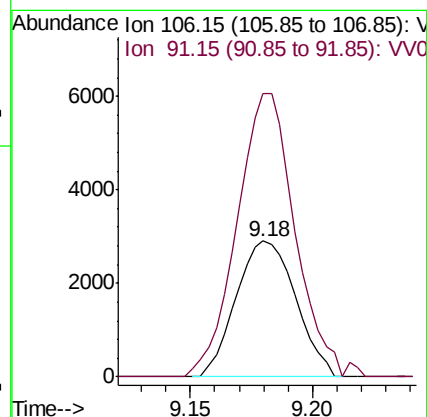
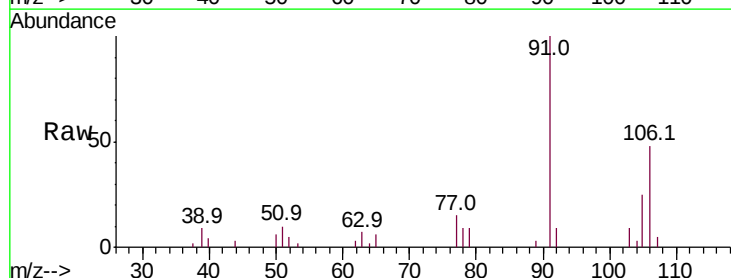
Acq: 02 Aug 2019 11:57

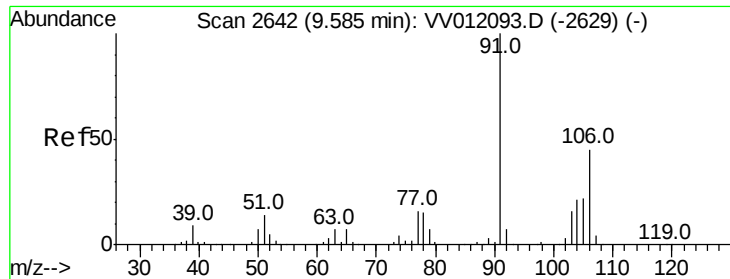
Tgt Ion: 106 Resp: 4917

Ion Ratio Lower Upper

106 100

91 207.9 141.6 263.0





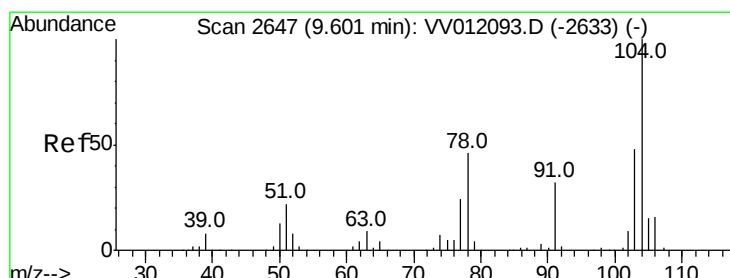
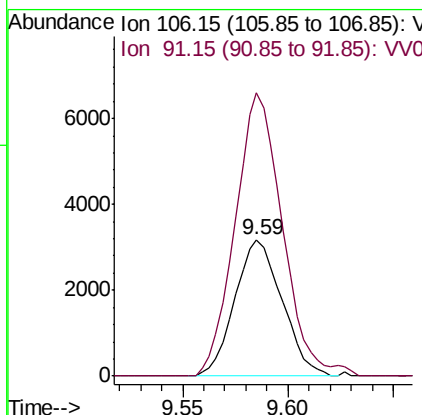
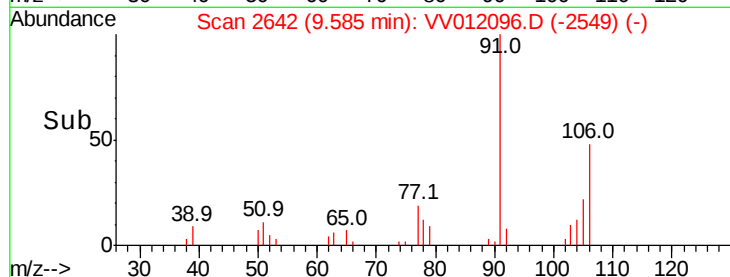
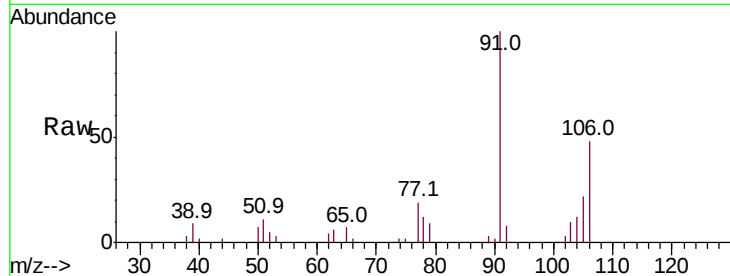
#54
o-xylene
Concen: 0.275 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion:106 Resp: 4944
Ion Ratio Lower Upper
106 100
91 207.1 146.8 272.6

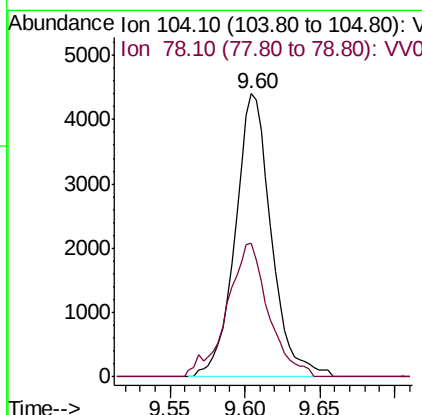
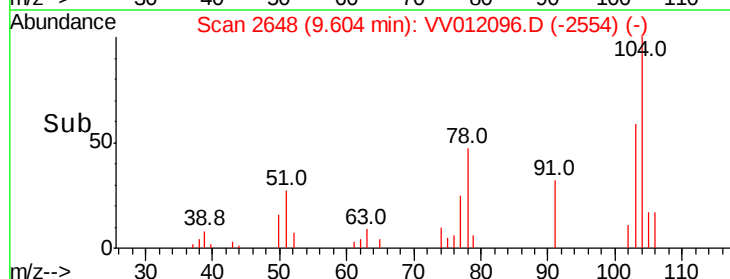
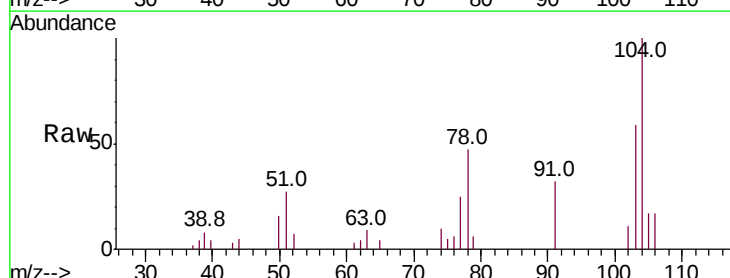
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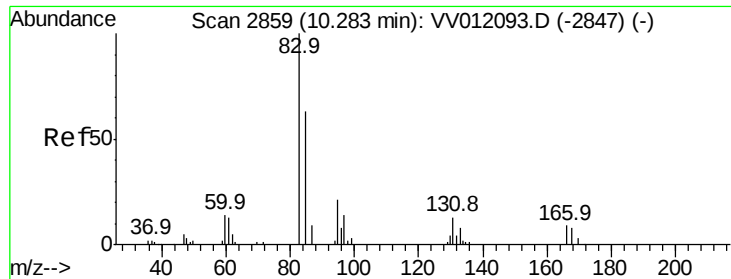
MMDadoda
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#55
Styrene
Concen: 0.243 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Tgt Ion:104 Resp: 7376
Ion Ratio Lower Upper
104 100
78 52.5 33.3 61.9





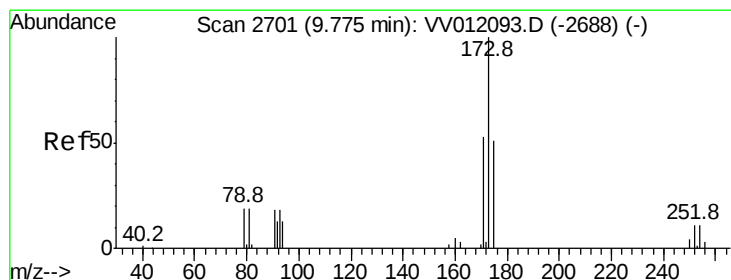
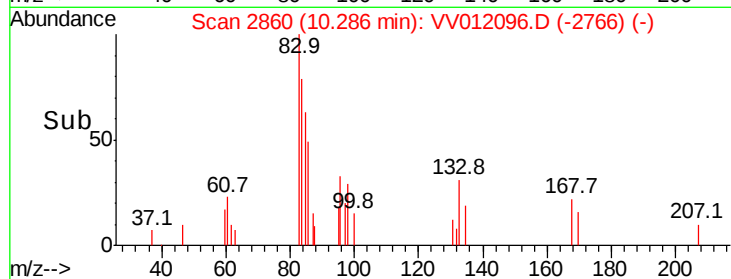
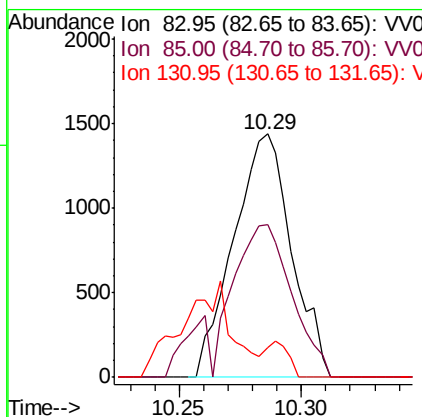
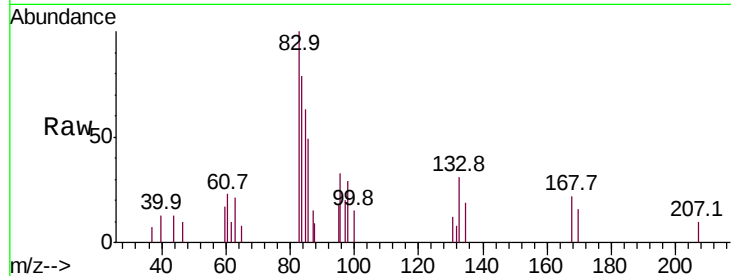
#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.318 ug/L
 RT: 10.29 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.5	44.0	81.6
131	12.2	8.3	12.5

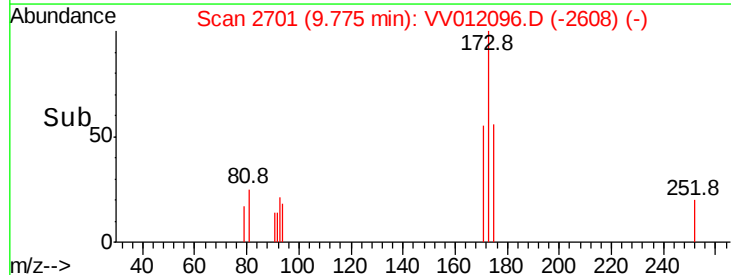
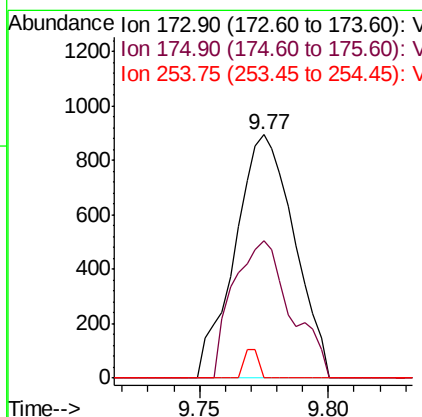
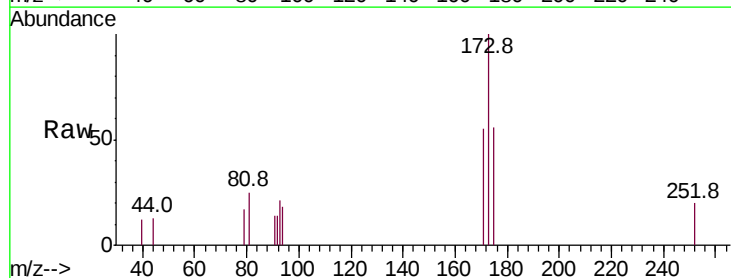
Manual Integrations
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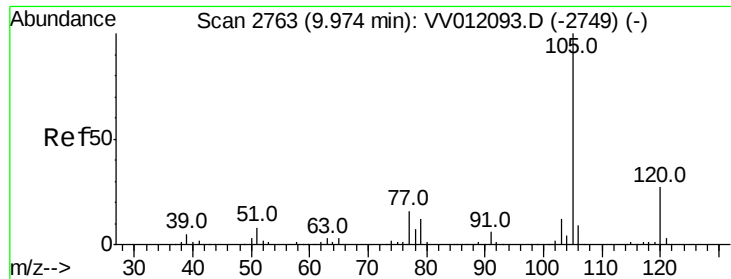
MMDadoda
 8/6/2019 9:56:05 AM



#59
 Bromoform
 Concen: 0.303 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
173	100		
175	54.7	38.3	57.5
254	2.8	8.6	13.0#





#60

Isopropylbenzene

Concen: 0.260 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

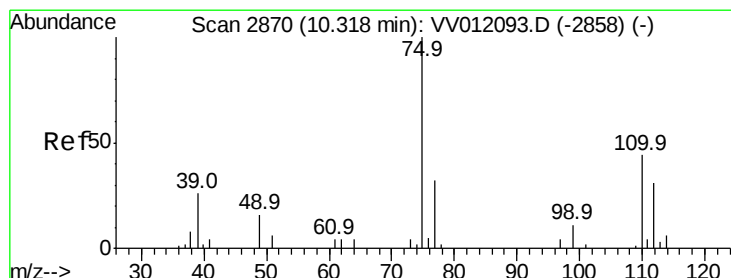
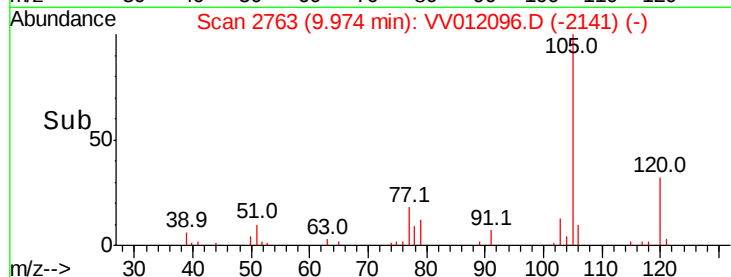
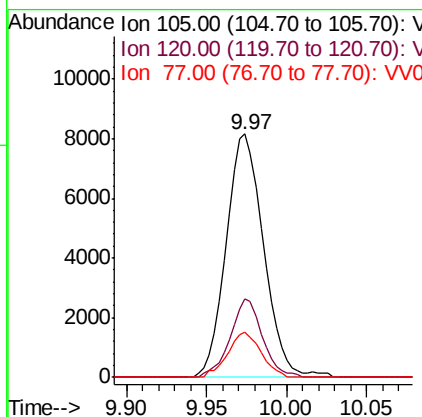
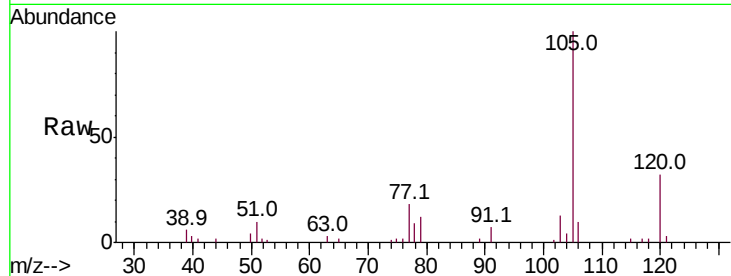
ClientSampled :

MDL07

Tot Ion:	105	Resp:	13023
Ion Ratio	Lower	Upper	
105	100		
120	27.5	21.5	32.3
77	16.4	12.3	18.5

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#61

1,2,3-Trichloropropane

Concen: 0.286 ug/L

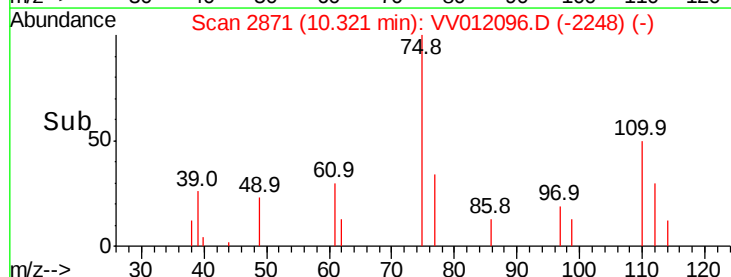
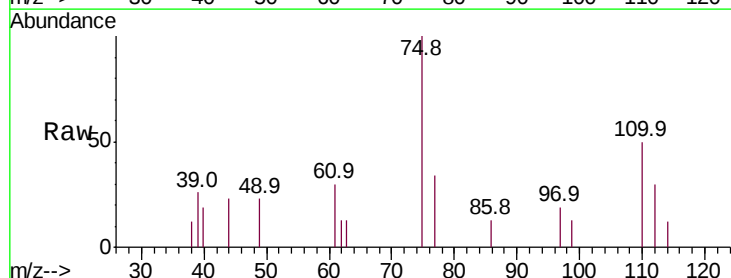
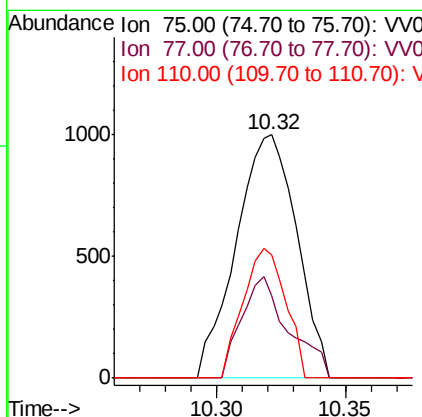
RT: 10.32 min Scan# 2871

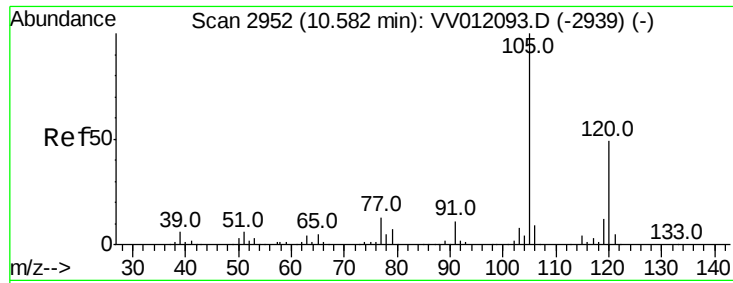
Delta R.T. 0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Tgt Ion:	75	Resp:	1636
Ion Ratio	Lower	Upper	
75	100		
77	32.5	26.8	40.2
110	37.5	35.0	52.6





#62

1,3,5-Trimethylbenzene

Concen: 0.281 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. -0.00 min

Lab File: VV012096.D

Acq: 02 Aug 2019 11:57

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion:105 Resp: 11609

Ion Ratio Lower Upper

105 100

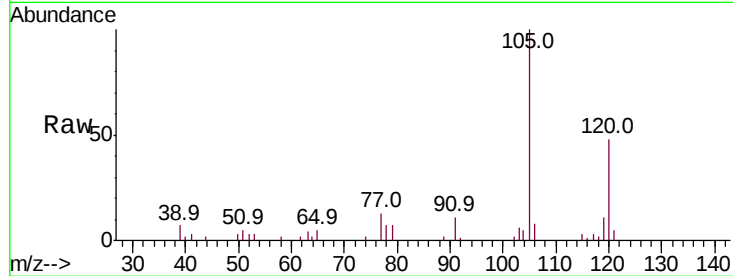
120 49.2 40.1 60.1

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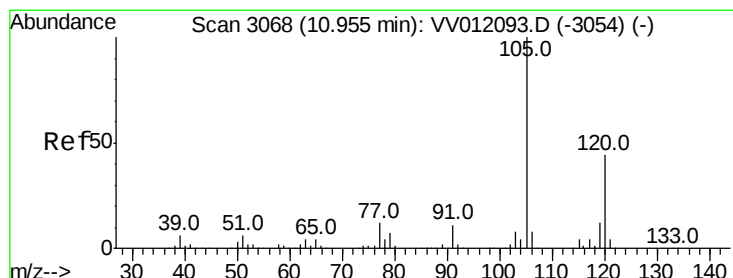
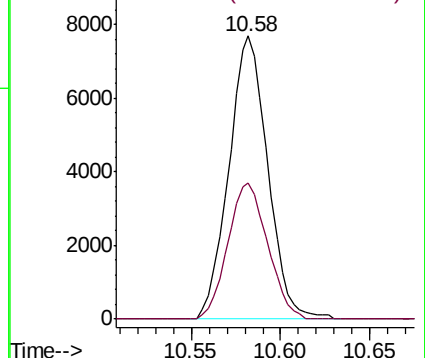
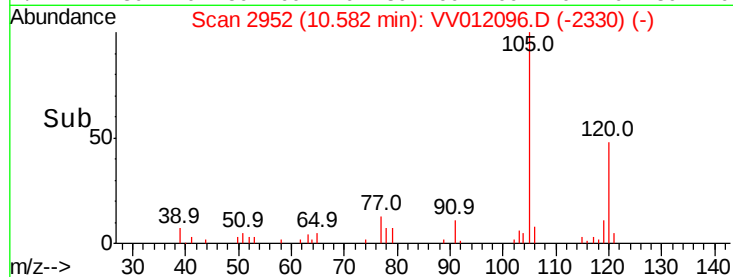
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.251 ug/L

RT: 10.96 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VV012096.D

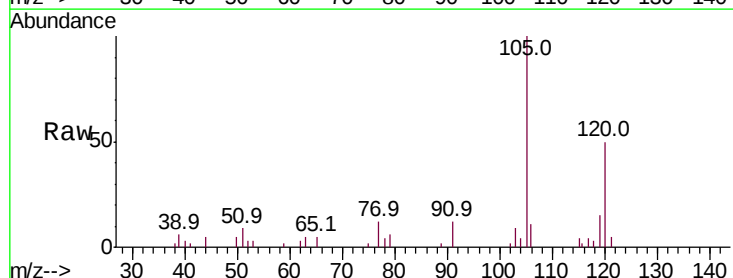
Acq: 02 Aug 2019 11:57

Tgt Ion:105 Resp: 10312

Ion Ratio Lower Upper

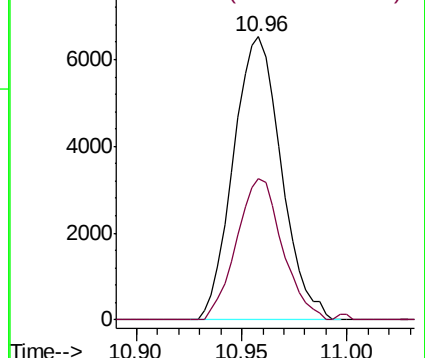
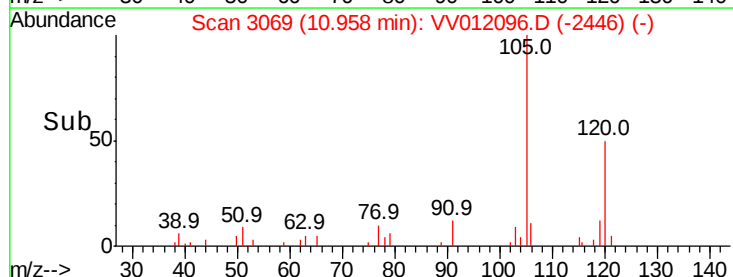
105 100

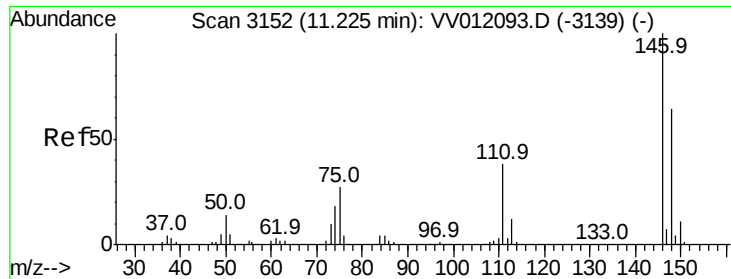
120 47.6 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





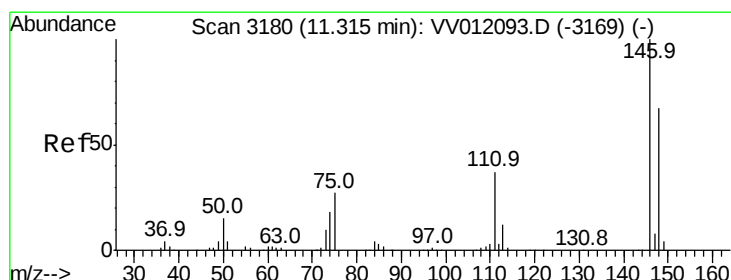
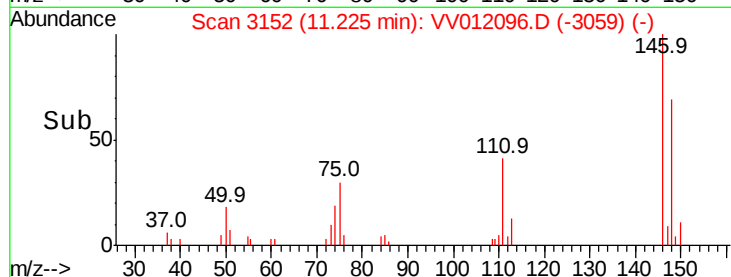
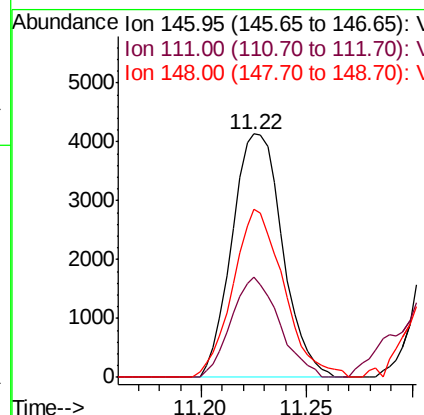
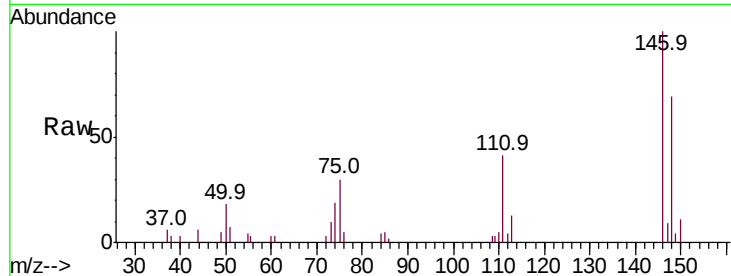
#64
 1,3-Dichlorobenzene
 Concen: 0.276 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	27.2	50.6
148	69.1	44.5	82.7

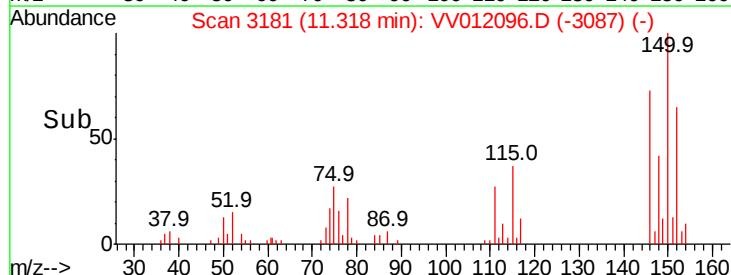
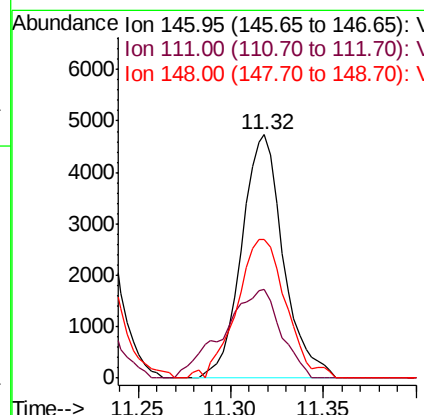
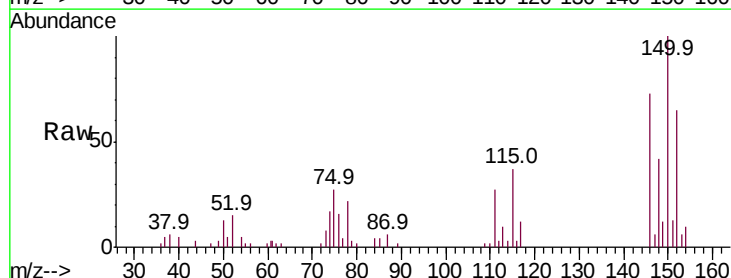
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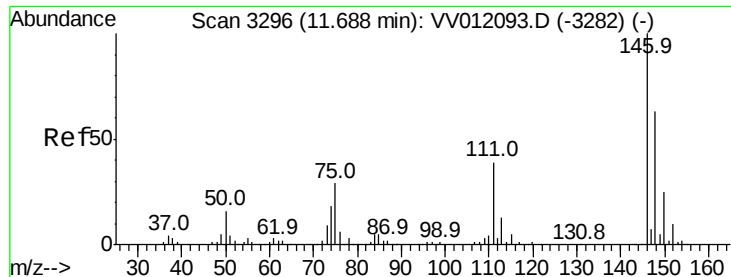
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#65
 1,4-Dichlorobenzene
 Concen: 0.291 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	25.8	48.0
148	57.2	43.8	81.3





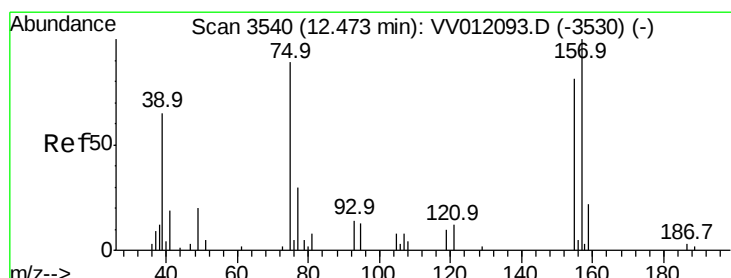
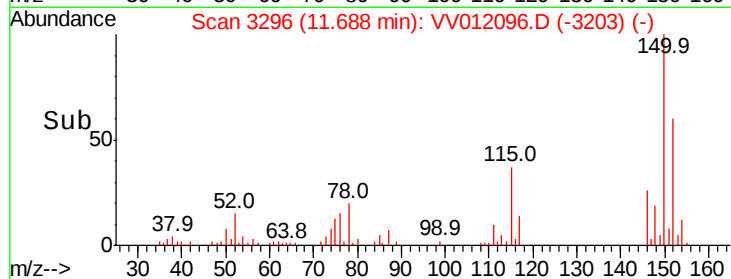
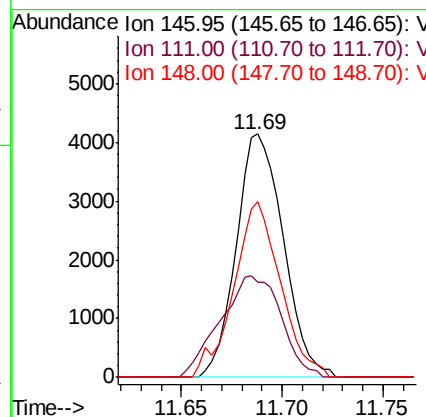
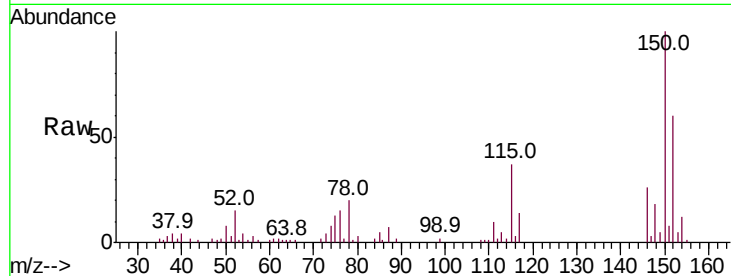
#67
 1,2-Dichlorobenzene
 Concen: 0.300 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	32.4	48.6
148	71.9	49.4	74.0

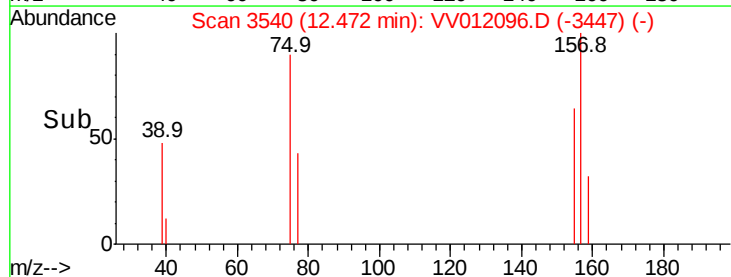
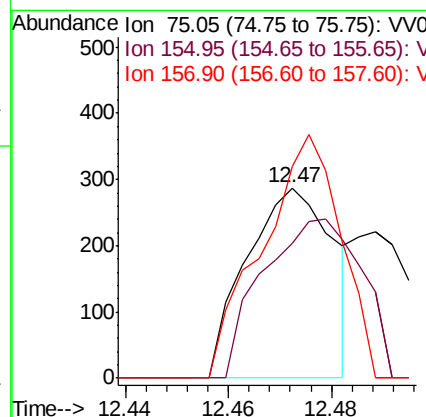
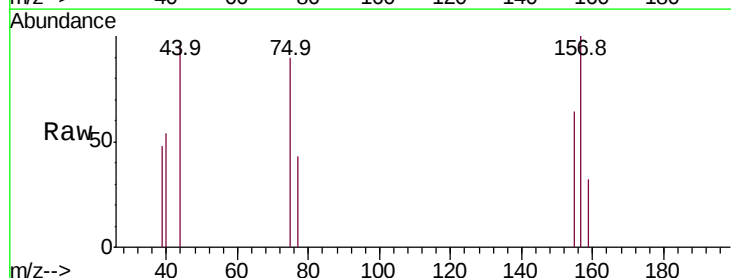
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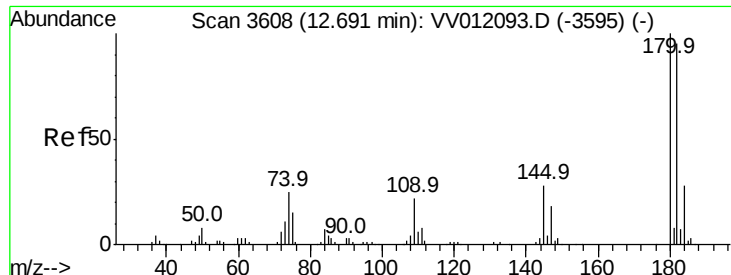
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.283 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.1	75.0	112.6#
157	111.5	87.8	131.6





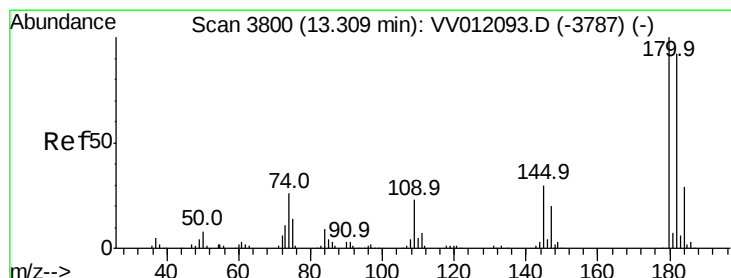
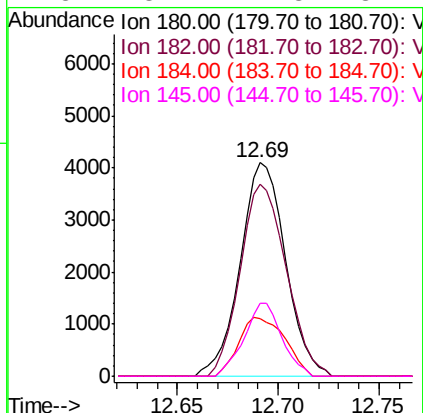
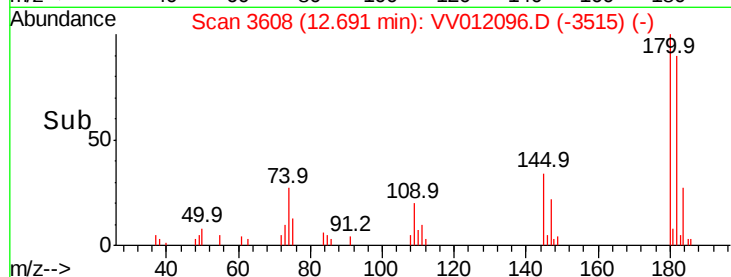
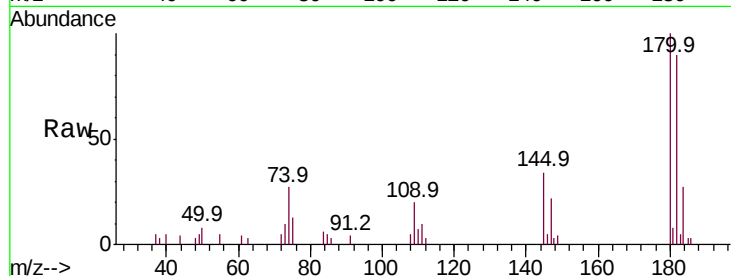
#69
 1,3,5-Trichlorobenzene
 Concen: 0.313 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.3	77.1	115.7
184	28.0	24.6	36.8
145	28.7	22.8	34.2

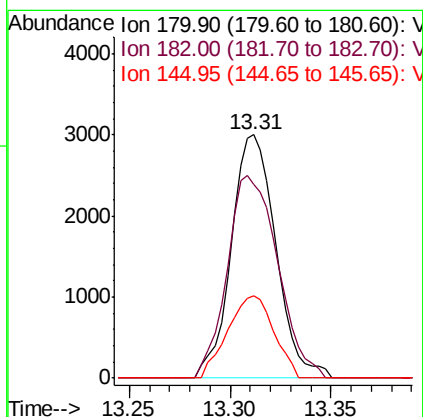
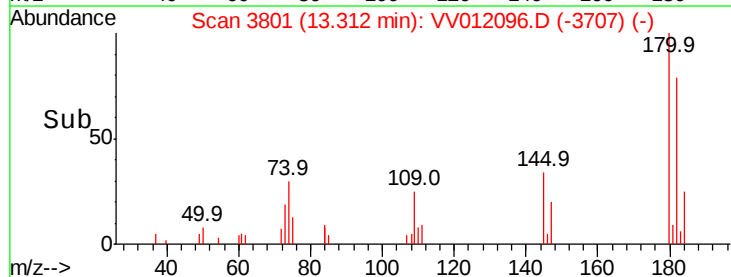
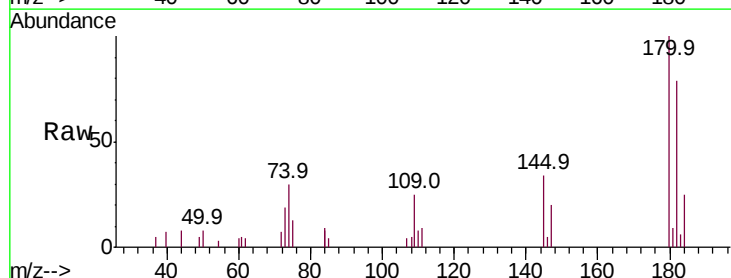
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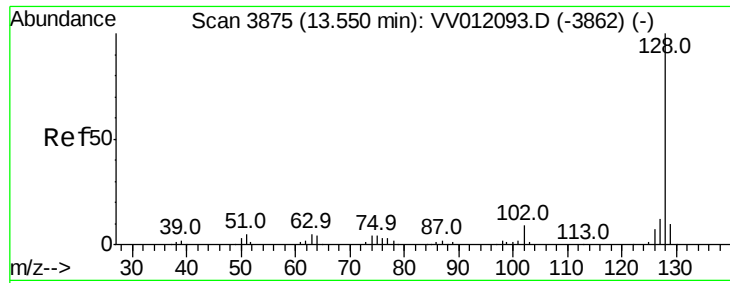
MMDadoda
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#70
 1,2,4-trichlorobenzene
 Concen: 0.285 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV012096.D
 Acq: 02 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.1	114.1
145	34.9	24.3	36.5





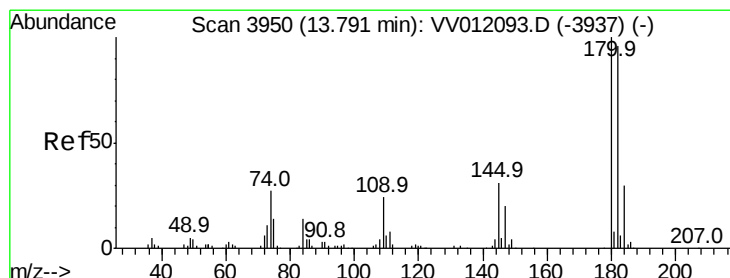
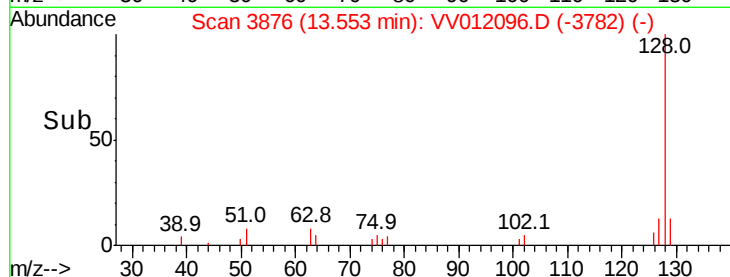
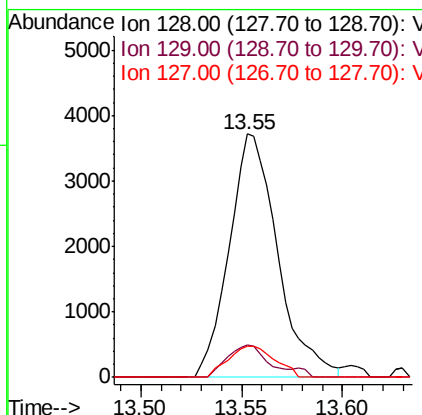
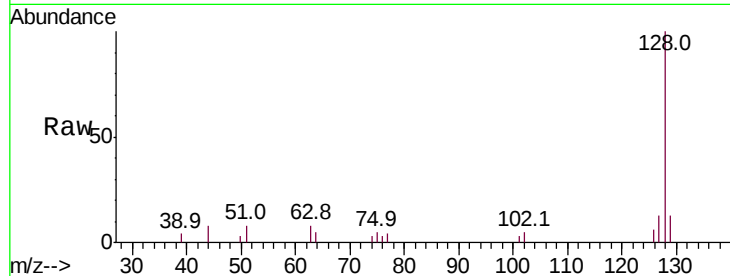
#71
Naphthalene
Concen: 0.275 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.1	13.7
127	12.3	10.4	15.6

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 0.314 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. -0.00 min
Lab File: VV012096.D
Acq: 02 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.7	78.5	117.7
145	31.7	25.8	38.8

