

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
 Data File : VN050912.D
 Acq On : 28 Aug 2018 14:18
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 11:10:10 AM

Quant Time: Aug 29 01:41:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	126048	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	685814	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	584860	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	240880	29.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.83%
60) 4-Bromofluorobenzene	12.40	95	254635	29.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.60%
63) Toluene-d8	10.09	98	839630	30.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	164187	20.97	ug/l	100
3) Chloromethane	2.06	50	179915	19.46	ug/l	100
4) Vinyl Chloride	2.18	62	181700	19.90	ug/l	99
5) Bromomethane	2.56	94	111569	20.04	ug/l	99
6) Chloroethane	2.70	64	104655	19.43	ug/l	97
7) Trichlorofluoromethane	3.01	101	249198	20.58	ug/l	100
8) Diethyl Ether	3.41	74	86161	20.18	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	155822	20.78	ug/l	99
10) 1,1-Dichloroethene	3.73	96	140422	20.62	ug/l	98
11) Methyl Iodide	3.95	142	117013	18.41	ug/l	99
12) Methyl Acetate	4.33	43	159933	20.31	ug/l	97
13) Acrolein	3.61	56	14931	85.62	ug/l	97
14) Acrylonitrile	5.00	53	254136	95.44	ug/l	97
15) Acetone	3.82	58	62775	92.13	ug/l	96
16) Carbon Disulfide	4.05	76	428838	20.94	ug/l	100
17) Allyl chloride	4.32	41	213900	19.96	ug/l	98
18) Methylene Chloride	4.55	84	156121	19.53	ug/l	96
19) trans-1,2-Dichloroethene	5.04	96	151235	20.84	ug/l	94
20) Diisopropyl ether	5.96	45	458418	20.61	ug/l	96
21) 1,1-Dichloroethane	5.85	63	269156	19.73	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	163301	19.92	ug/l	98
23) tert-Butyl Alcohol	4.79	59	55645	98.26	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	378780	20.33	ug/l	100
25) Chloroform	7.37	83	272425	20.01	ug/l	99
26) Cyclohexane	7.65	56	231464	20.48	ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	206055	20.07	ug/l	97
30) 2-Butanone	6.84	43	284013	89.92	ug/l	100
31) 2,2-Dichloropropane	6.83	77	207834	20.80	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	233208	20.03	ug/l	99
33) Carbon Tetrachloride	7.77	117	206458	19.69	ug/l	97
34) Benzene	8.04	78	625033	19.68	ug/l	99
35) Methacrylonitrile	7.18	41	66038	19.08	ug/l	98
36) 1,2-Dichloroethane	8.12	62	189229	19.70	ug/l	99
37) Trichloroethene	8.84	130	165501	19.94	ug/l	96
38) Methylcyclohexane	9.08	83	221894	20.12	ug/l	99
39) 1,2-Dichloropropane	9.12	63	163019	19.65	ug/l	97
40) Dibromomethane	9.21	93	96598	19.33	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	202397	19.21	ug/l	98
42) Vinyl Acetate	5.90	43	1408395	96.81	ug/l	99
43) Ethyl Acetate	6.93	43	112976	17.46	ug/l	94
44) Isopropyl Acetate	8.17	43	217803	19.08	ug/l	99
45) 1,4-Dioxane	9.20	88	30343	357.75	ug/l	98
46) Methyl methacrylate	9.20	41	105351	18.42	ug/l	99
47) n-amyl Acetate	12.07	43	161846	17.63	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	193627	18.75	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	230289	19.41	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	139281	19.18	ug/l	98
51) Ethyl methacrylate	10.43	69	161735	18.21	ug/l	99
52) 1,3-Dichloropropane	10.71	76	230003	19.12	ug/l	99
53) Dibromochloromethane	10.90	129	153058	18.54	ug/l	100
54) 1,2-Dibromoethane	11.01	107	133476	18.59	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	330853	89.51	ug/l	99
56) Bromoform	12.13	173	105737	18.01	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	630356	94.20	ug/l	99
59) 2-Hexanone	10.75	43	399469	91.33	ug/l	99
61) Tetrachloroethene	10.63	164	149416	20.50	ug/l	99
62) Toluene	10.16	91	655698	20.10	ug/l	100
64) Chlorobenzene	11.44	112	401773	19.87	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	154534	20.24	ug/l	99
66) Ethyl Benzene	11.51	91	659632	19.52	ug/l	99
67) m/p-Xylenes	11.62	106	516470	39.72	ug/l	99
68) o-Xylene	11.95	106	246310	19.82	ug/l	100
69) Styrene	11.97	104	384856	19.48	ug/l	100
70) Isopropylbenzene	12.25	105	664795	20.13	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	170923	19.12	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	148543m	19.26	ug/l	
73) Bromobenzene	12.53	156	167758	19.31	ug/l	99
74) n-propylbenzene	12.59	91	741972	19.88	ug/l	100
75) 2-Chlorotoluene	12.68	91	449545	19.82	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	540493	20.03	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	38205	17.39	ug/l	99
78) 4-Chlorotoluene	12.77	91	437476	19.59	ug/l	99
79) tert-butylbenzene	12.99	119	466046	19.89	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	539541	20.06	ug/l	100
81) sec-Butylbenzene	13.17	105	613535	20.01	ug/l	100
82) p-Isopropyltoluene	13.29	119	525148	19.84	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	286665	19.52	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	273390	19.65	ug/l	99
85) n-Butylbenzene	13.62	91	393003	19.46	ug/l	100
86) Hexachloroethane	13.88	117	99195	19.53	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	284059	19.65	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23857	19.08	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	127895	19.87	ug/l	99
90) Hexachlorobutadiene	15.01	225	99121	22.67	ug/l	99
91) Naphthalene	15.14	128	274589	22.23	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	136621	21.16	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

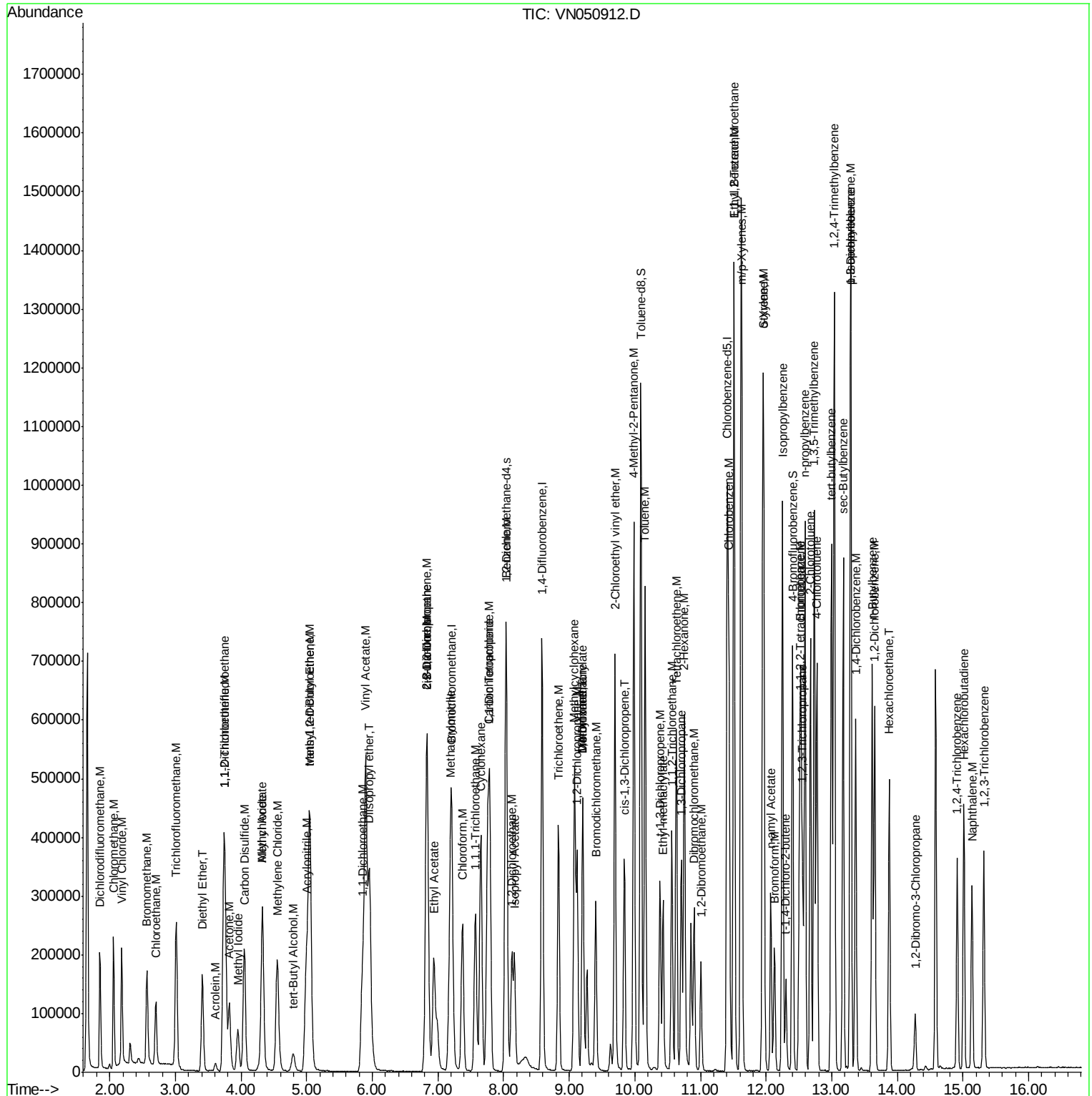
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
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Instrument :
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Manual Integrations
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8/29/2018 11:10:10 AM

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

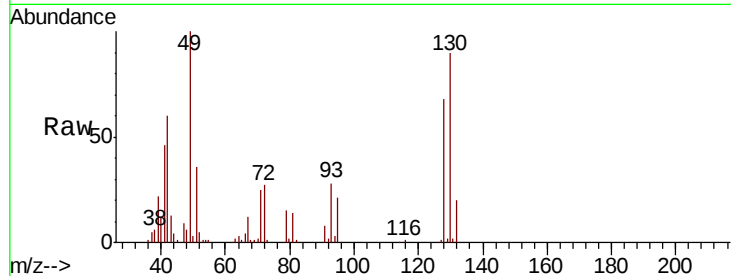
ClientSampled :

VSTDICV020

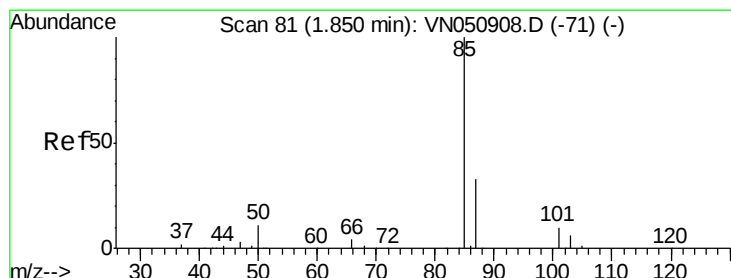
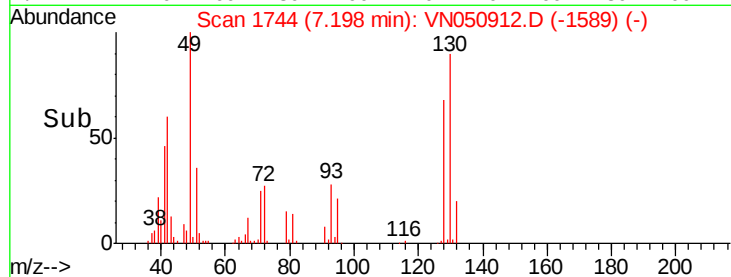
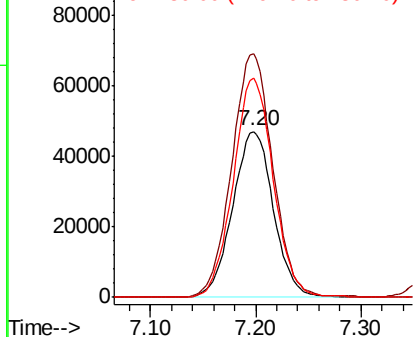
Tot Ion:	128	Resp:	126048
Ion	Ratio	Lower	Upper
128	100		
49	148.0	0.0	380.3
130	130.2	0.0	325.3

Manual Integrations
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8/29/2018 11:10:10 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.97 ug/l

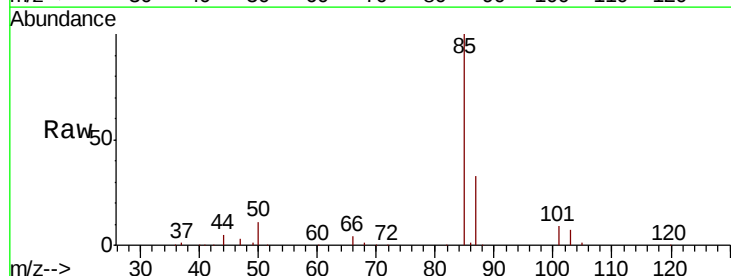
RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

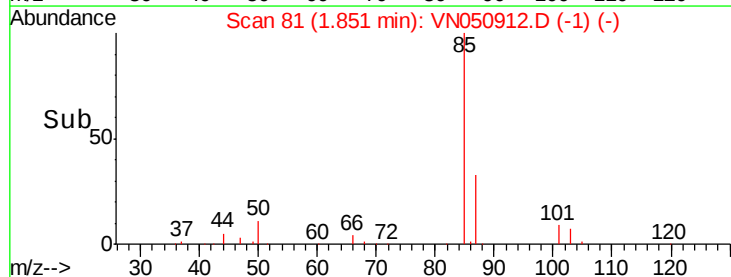
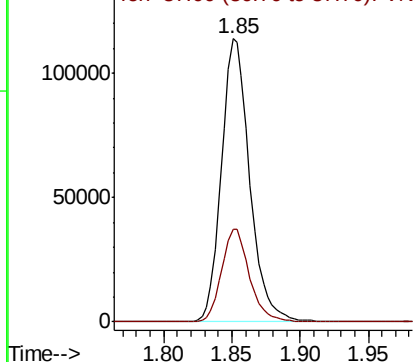
Lab File: VN050912.D

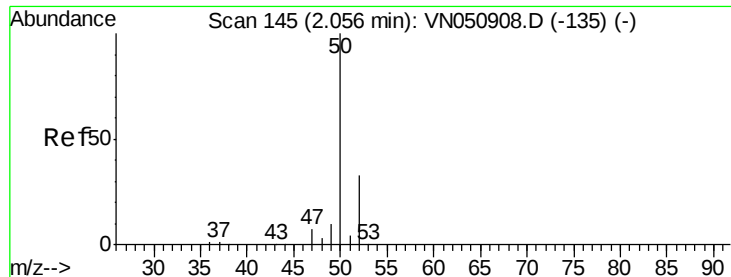
Acq: 28 Aug 2018 14:18

Tgt Ion:	85	Resp:	164187
Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.4	49.1



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.46 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

Tot Ion: 50 Resp: 179915

Ion Ratio Lower Upper

50 100

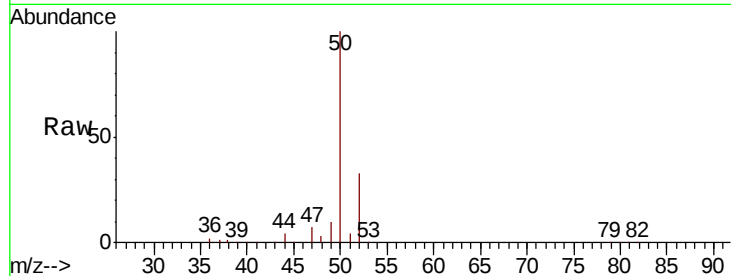
52 33.0 26.2 39.4

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VNC

Ion 52.00 (51.70 to 52.70): VNC

2.06

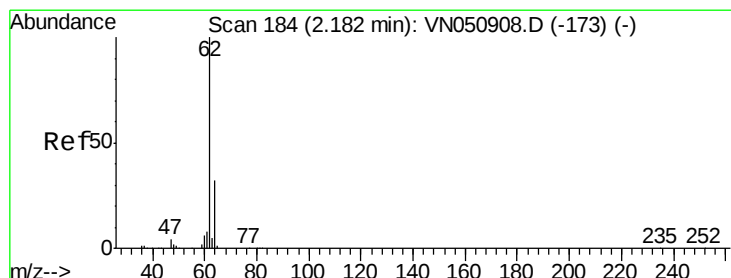
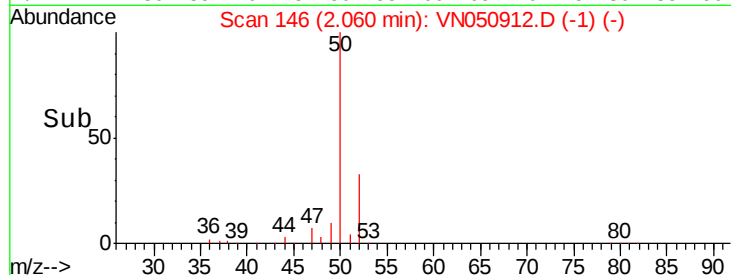
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 19.90 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050912.D

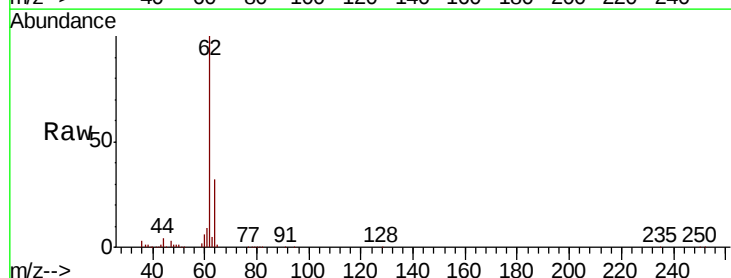
Acq: 28 Aug 2018 14:18

Tgt Ion: 62 Resp: 181700

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VNC

Ion 64.00 (63.70 to 64.70): VNC

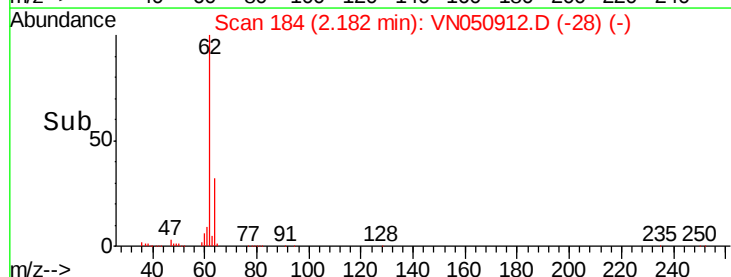
2.18

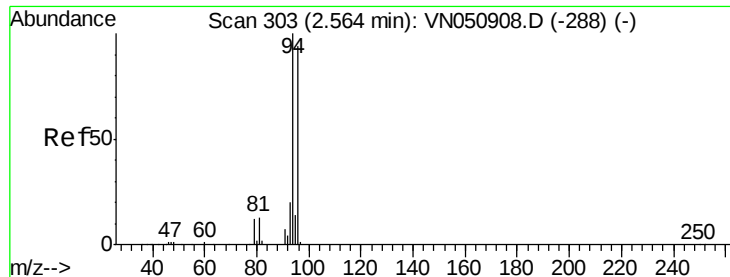
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50000

0

Time-->





#5

Bromomethane

Concen: 20.04 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

Tot Ion: 94 Resp: 111569

Ion Ratio Lower Upper

94 100

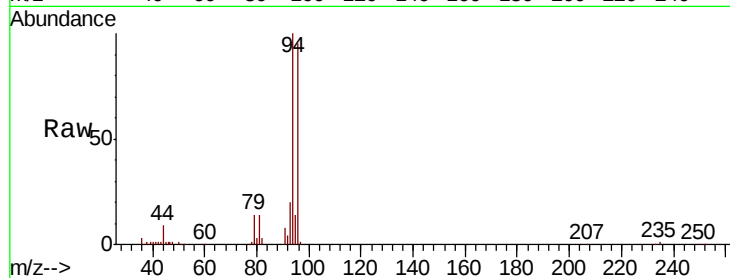
96 94.7 74.9 112.3

Manual Integrations

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8/29/2018 11:10:10 AM



Abundance Ion 94.00 (93.70 to 94.70): VN050912.D (-147) (-)

Ion 96.00 (95.70 to 96.70): VN050912.D (-147) (-)

2.56

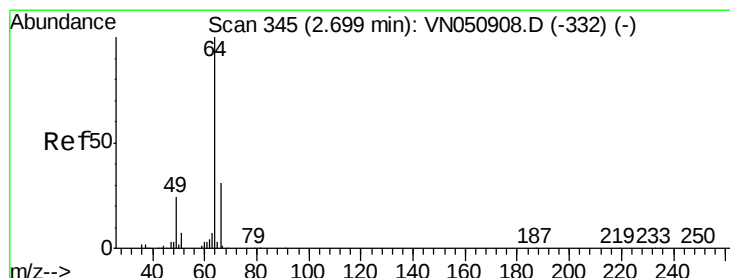
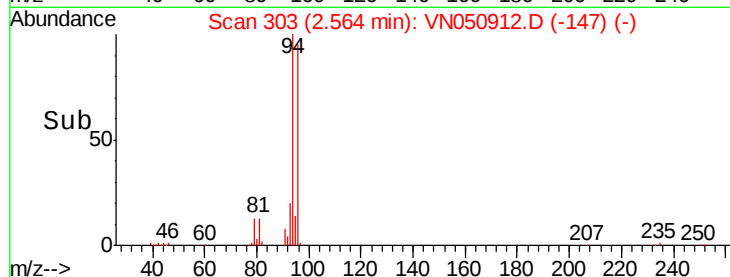
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 19.43 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050912.D

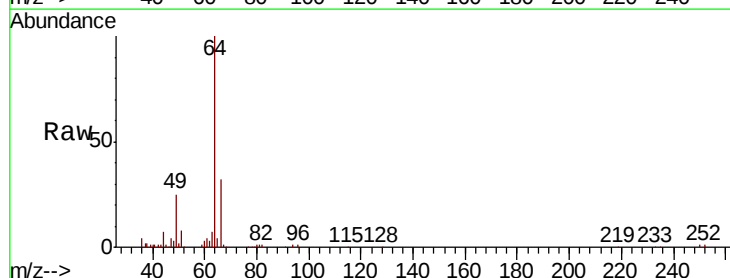
Acq: 28 Aug 2018 14:18

Tgt Ion: 64 Resp: 104655

Ion Ratio Lower Upper

64 100

66 32.1 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN050912.D (-189) (-)

Ion 66.00 (65.70 to 66.70): VN050912.D (-189) (-)

2.70

60000

50000

40000

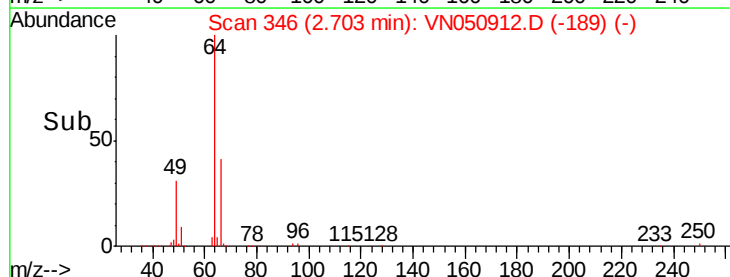
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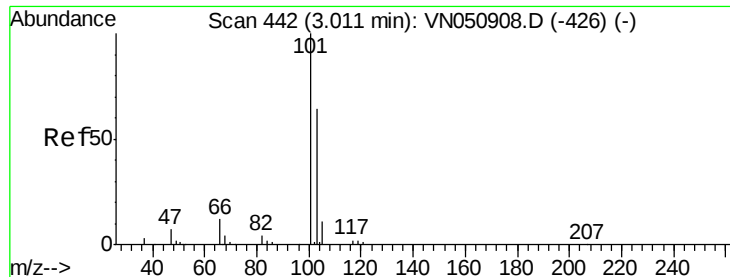
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10000

0

Time-->





#7

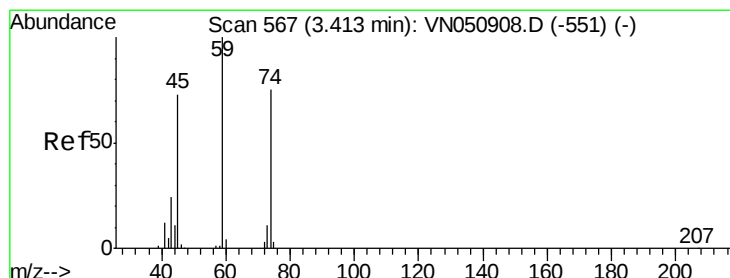
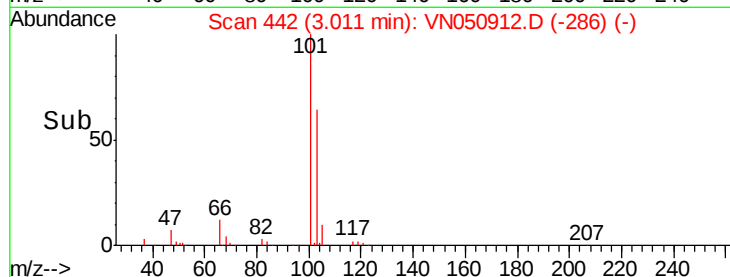
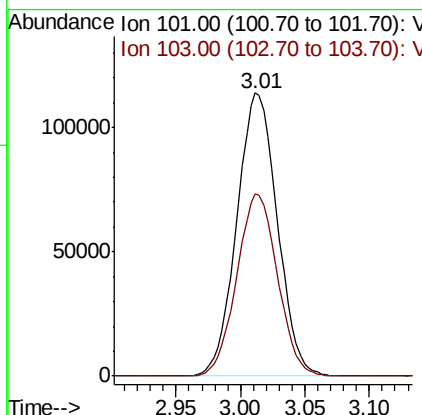
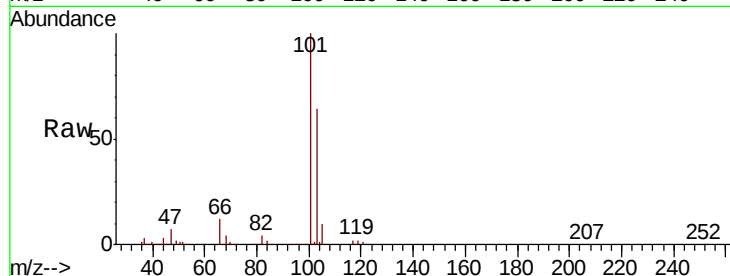
Trichlorofluoromethane
 Concen: 20.58 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	249198		
103	64.2	51.3	76.9	

Manual Integrations
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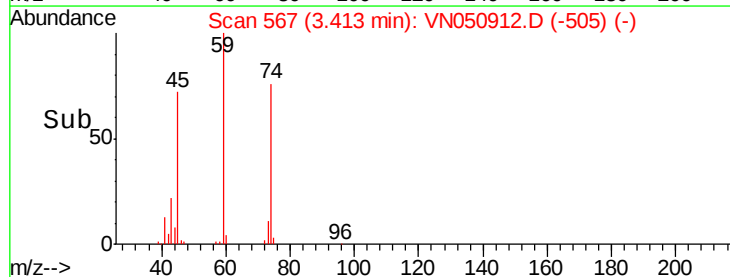
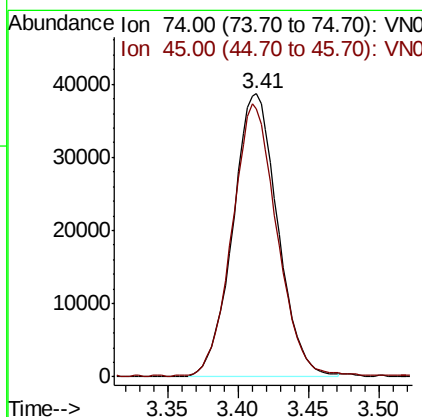
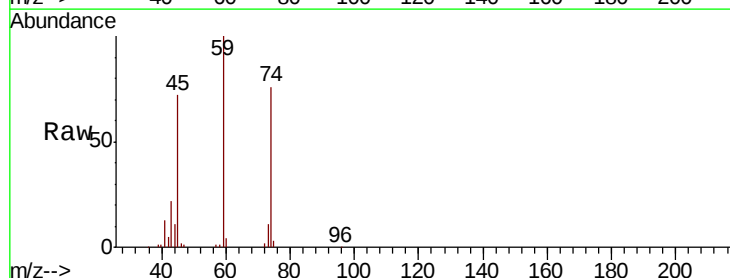
MMDadoda
 8/29/2018 11:10:10 AM

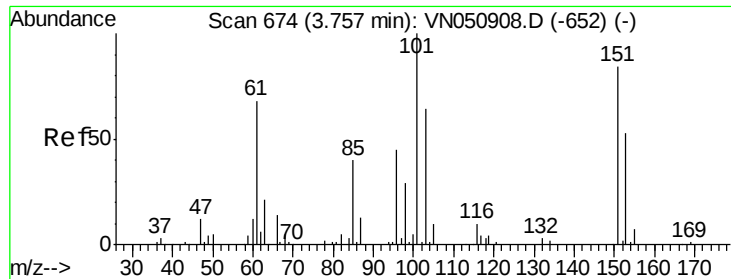


#8

Diethyl Ether
 Concen: 20.18 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	86161		
45	95.6	19.7	177.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.78 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

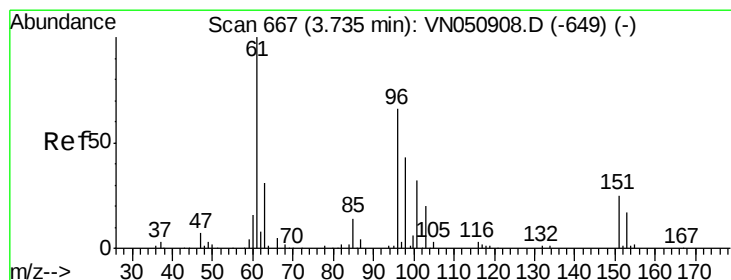
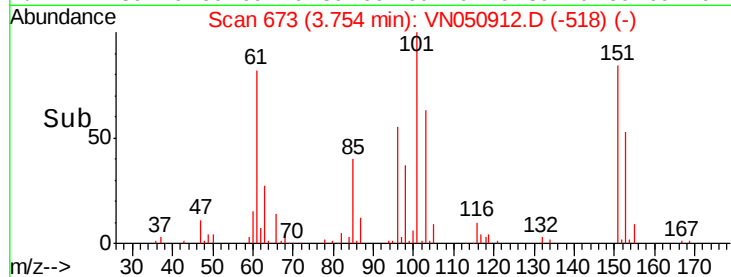
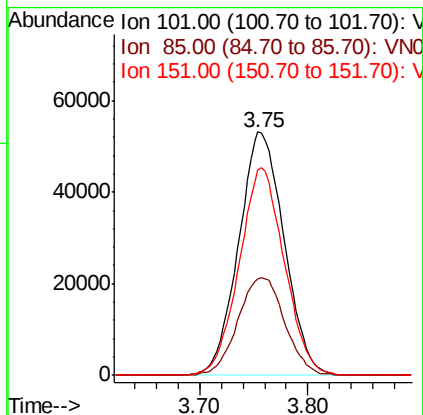
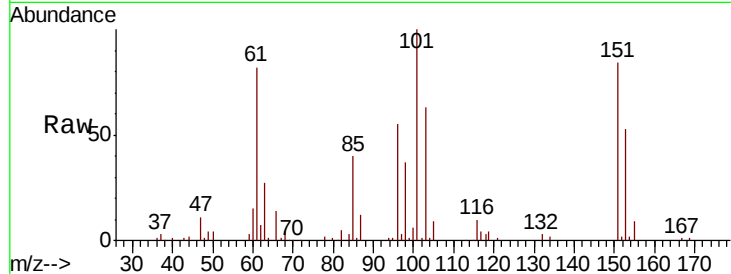
ClientSampleId :

VSTDICV020

Tot Ion:	101	Resp:	155822
Ion Ratio	Lower	Upper	
101	100		
85	41.3	0.0	83.6
151	84.5	0.0	167.0

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#10

1,1-Dichloroethene

Concen: 20.62 ug/l

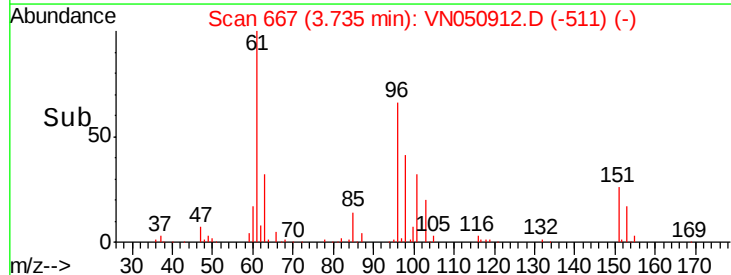
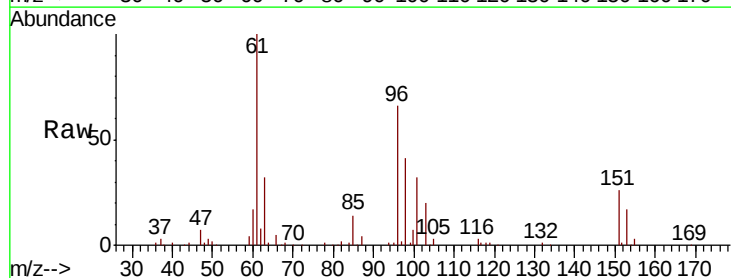
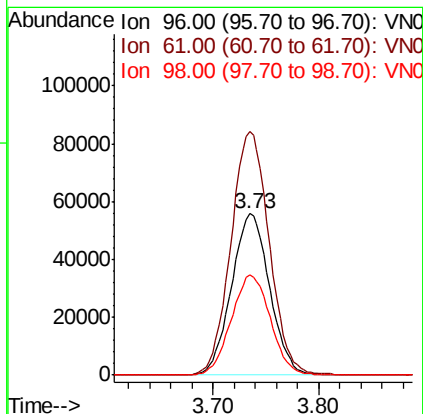
RT: 3.73 min Scan# 667

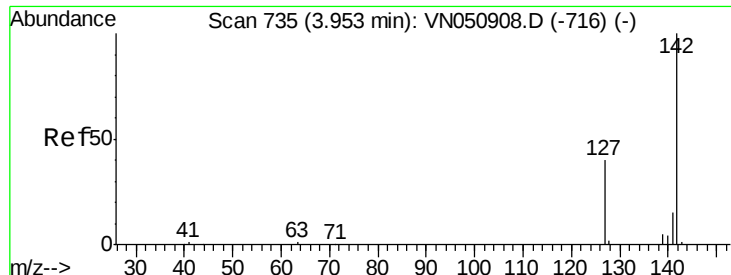
Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Tgt Ion:	96	Resp:	140422
Ion Ratio	Lower	Upper	
96	100		
61	150.7	121.8	182.8
98	62.2	52.3	78.5





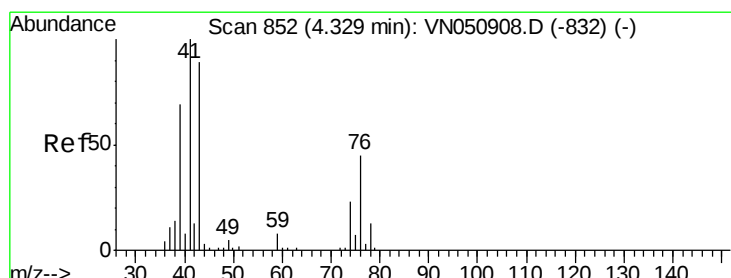
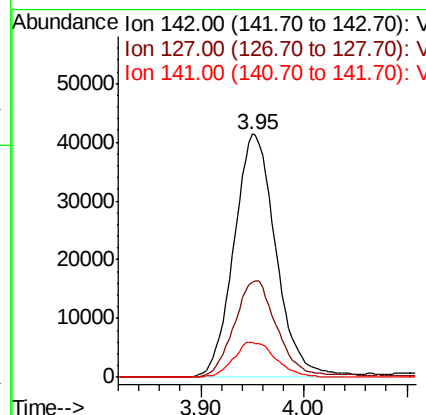
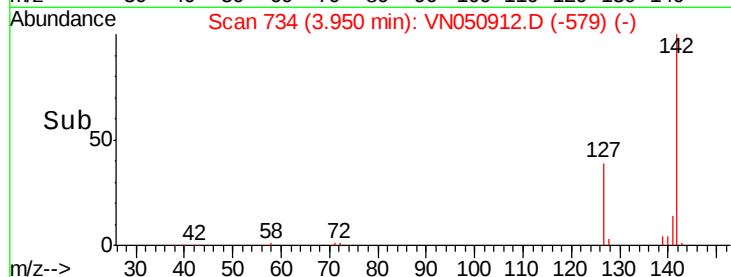
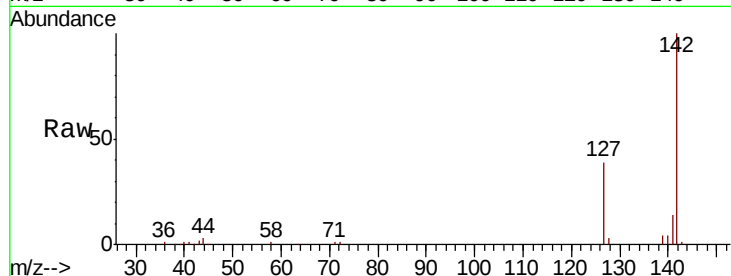
#11
Methyl Iodide
Concen: 18.41 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.8	19.7	59.1
141	14.5	7.3	22.0

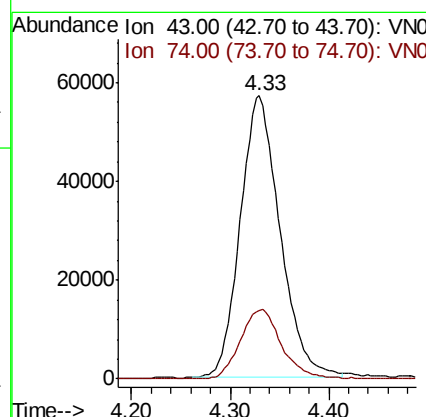
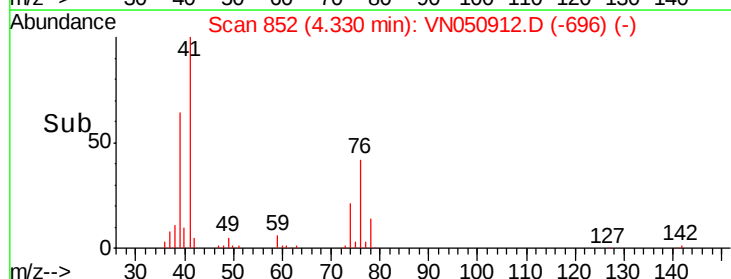
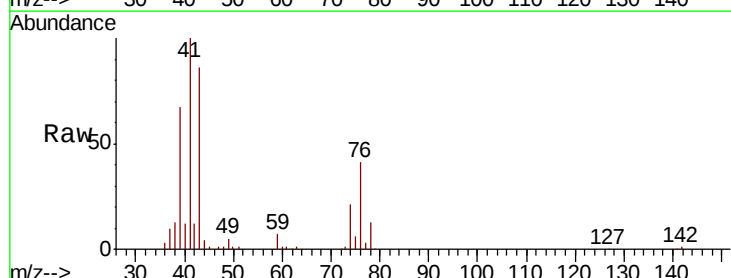
Manual Integrations
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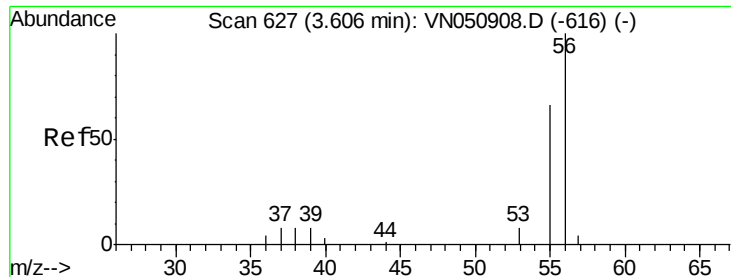
MMDadoda
8/29/2018 11:10:10 AM



#12
Methyl Acetate
Concen: 20.31 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	20.6	31.0





#13

Acrolein

Concen: 85.62 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

Tot Ion: 56 Resp: 14931

Ion Ratio Lower Upper

56 100

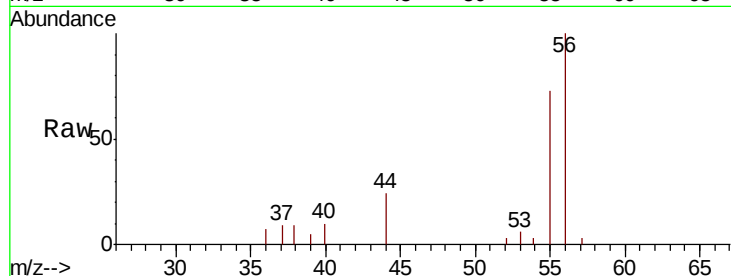
55 76.4 59.1 88.7

Manual Integrations

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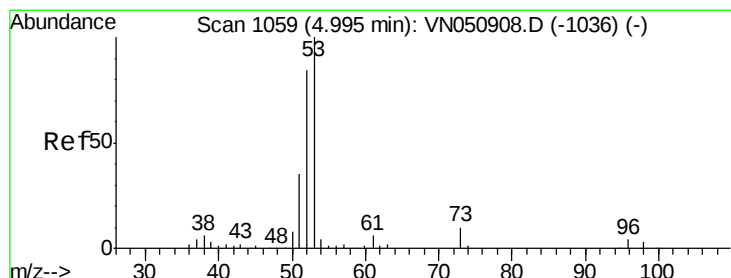
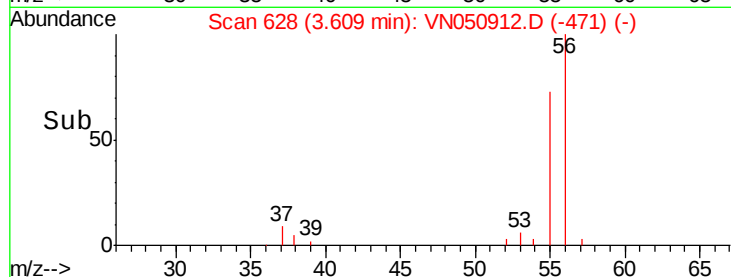
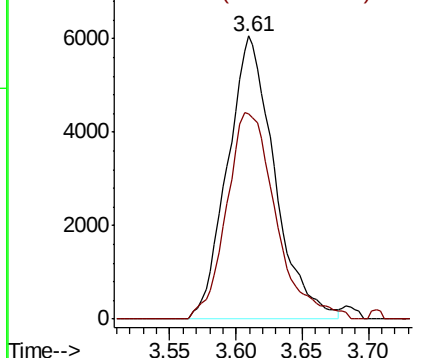
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 95.44 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

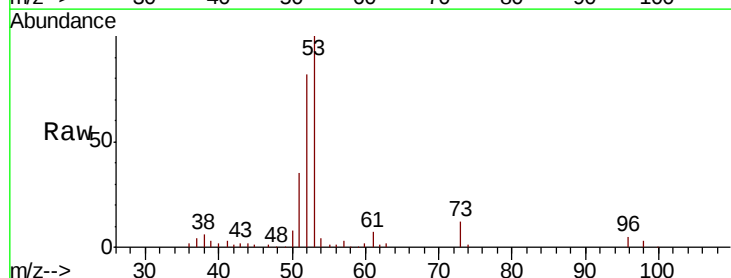
Tgt Ion: 53 Resp: 254136

Ion Ratio Lower Upper

53 100

52 80.7 42.2 126.6

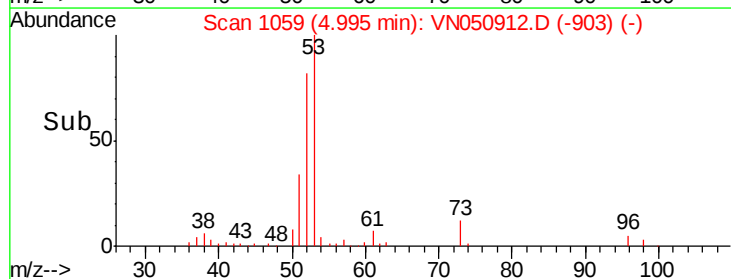
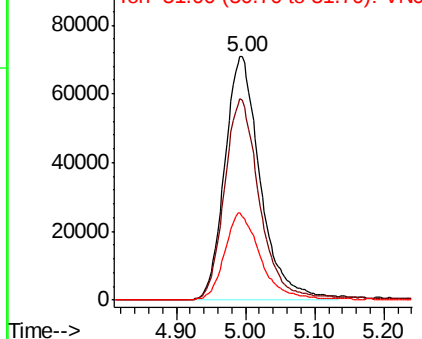
51 35.7 17.7 53.1

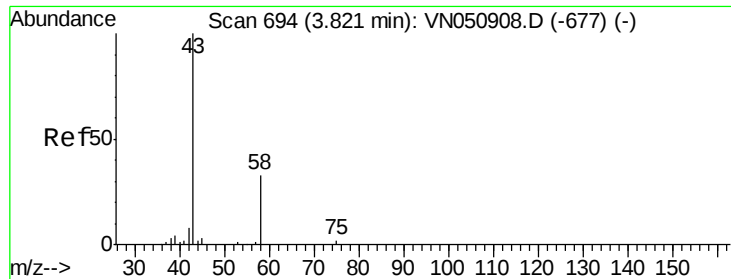


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 92.13 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

Tot Ion: 58 Resp: 62775

Ion Ratio Lower Upper

58 100

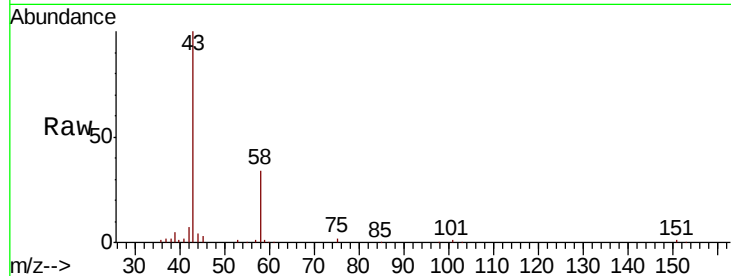
43 291.7 239.4 359.0

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN050908.D (-677) (-)

Ion 43.00 (42.70 to 43.70): VN050908.D (-677) (-)

80000

60000

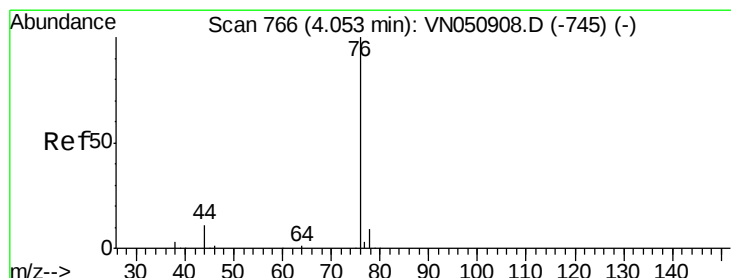
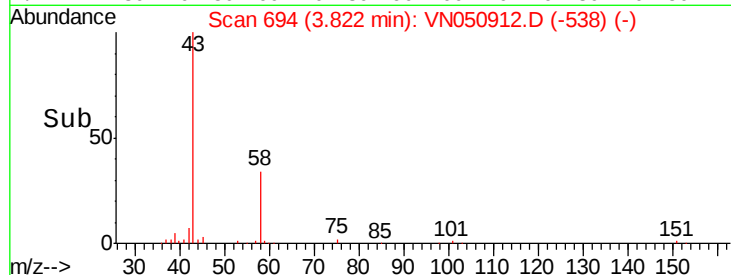
40000

20000

0

3.75 3.80 3.85 3.90

Time-->



#16

Carbon Disulfide

Concen: 20.94 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050912.D

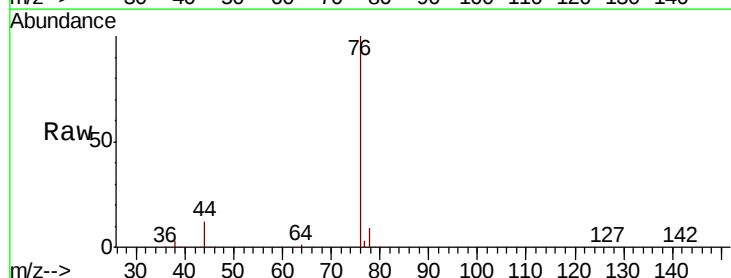
Acq: 28 Aug 2018 14:18

Tgt Ion: 76 Resp: 428838

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050908.D (-745) (-)

Ion 78.00 (77.70 to 78.70): VN050908.D (-745) (-)

150000

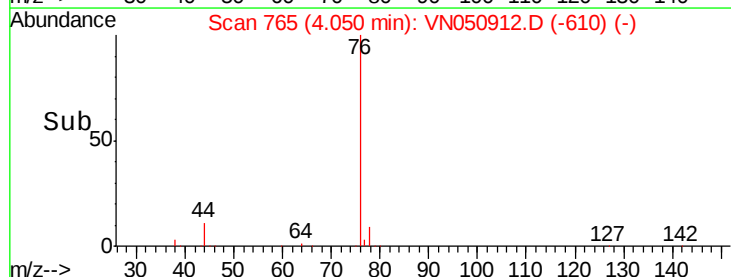
100000

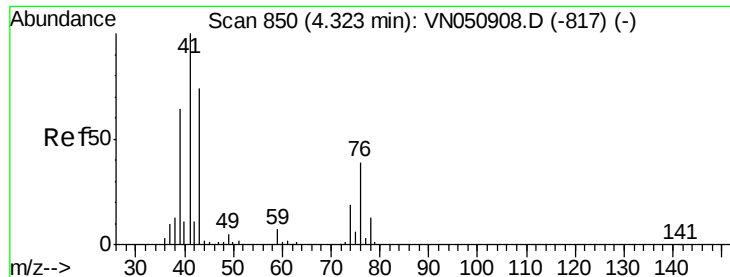
50000

0

3.90 4.00 4.10 4.20

Time-->





#17

Allvl chloride

Concen: 19.96 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

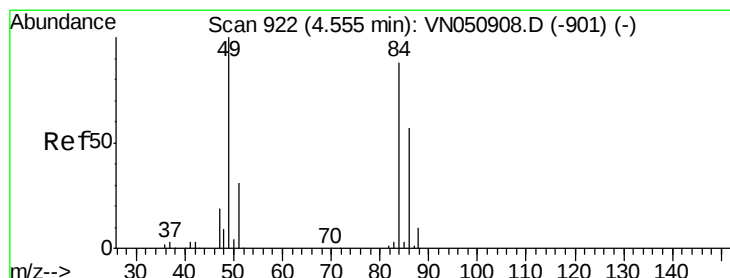
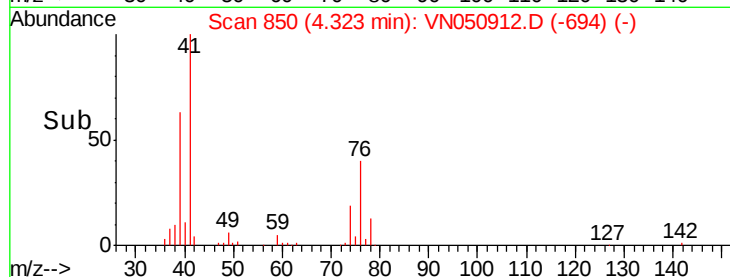
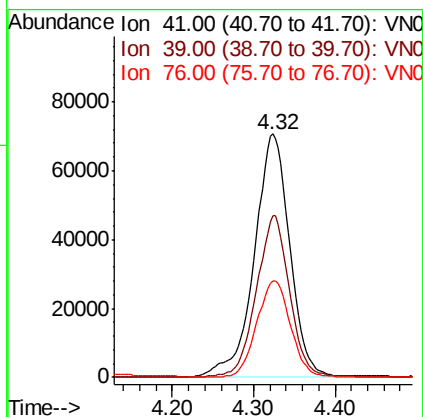
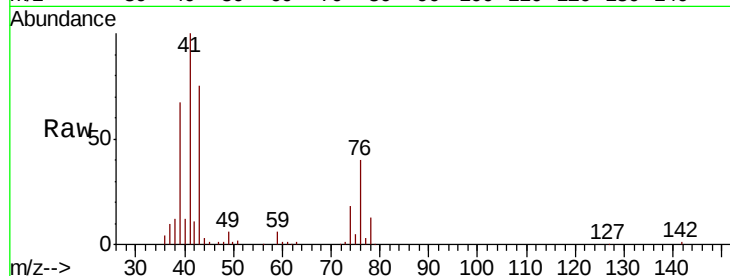
ClientSampleId :

VSTDICV020

Tot Ion:	41	Resp:	213900
Ion	Ratio	Lower	Upper
41	100		
39	66.5	32.2	96.6
76	39.1	19.6	58.7

Manual Integrations
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#18

Methylene Chloride

Concen: 19.53 ug/l

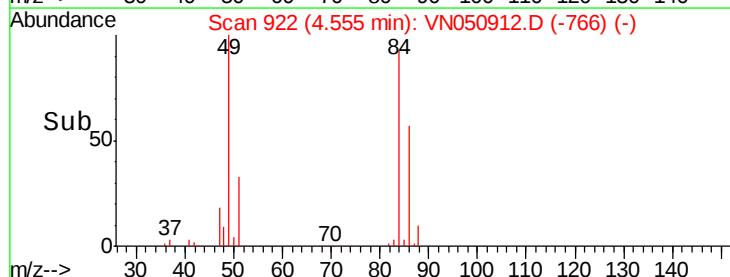
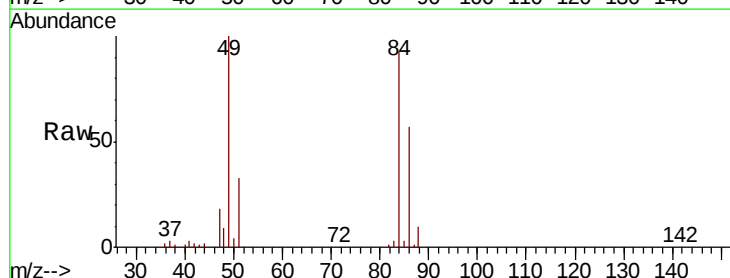
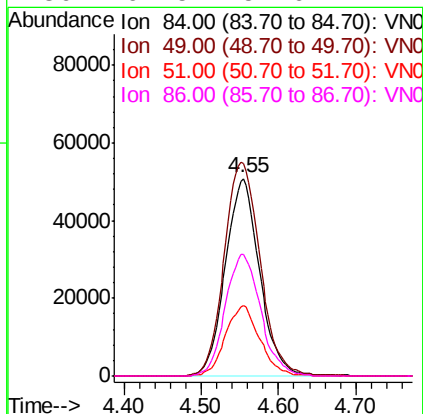
RT: 4.55 min Scan# 922

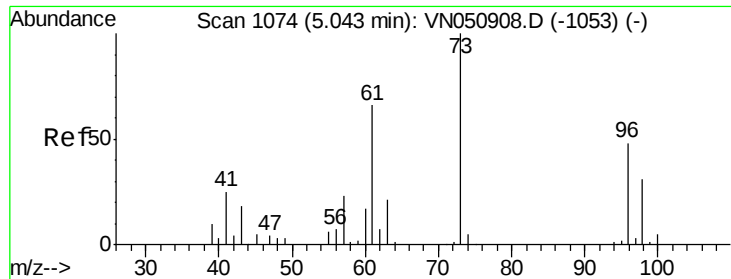
Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Tgt Ion:	84	Resp:	156121
Ion	Ratio	Lower	Upper
84	100		
49	107.5	90.6	135.8
51	36.0	28.4	42.6
86	61.5	51.6	77.4





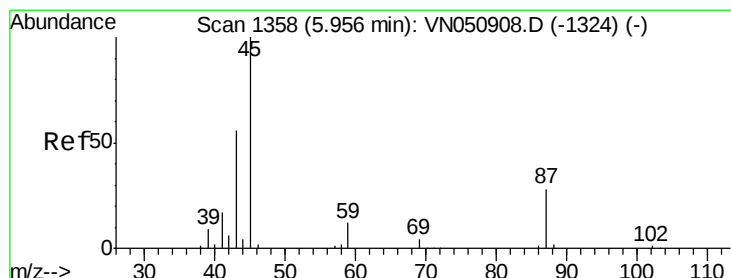
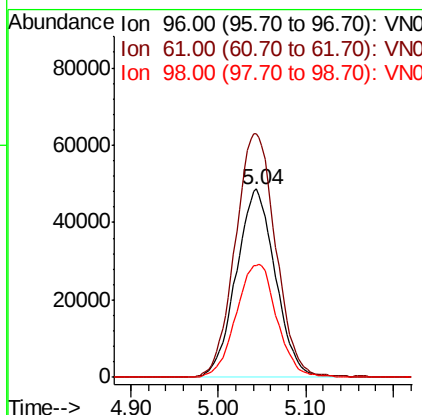
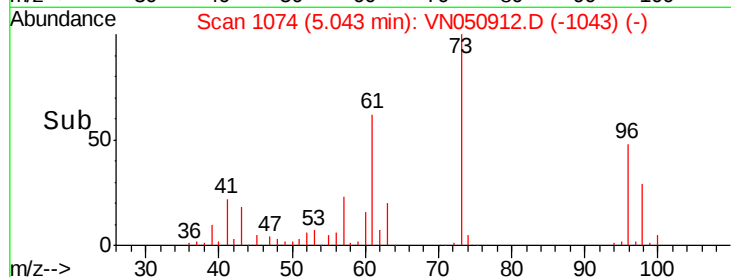
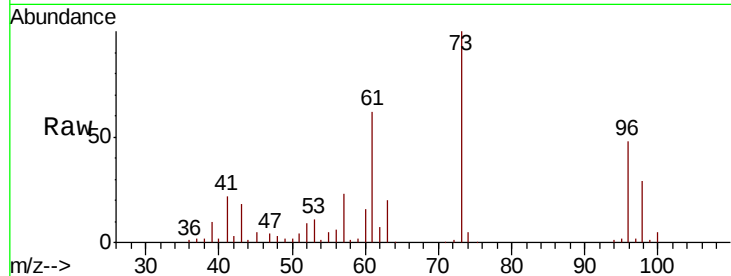
#19
trans-1,2-Dichloroethene
Concen: 20.84 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampled :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.3	109.5	164.3
98	59.7	51.9	77.9

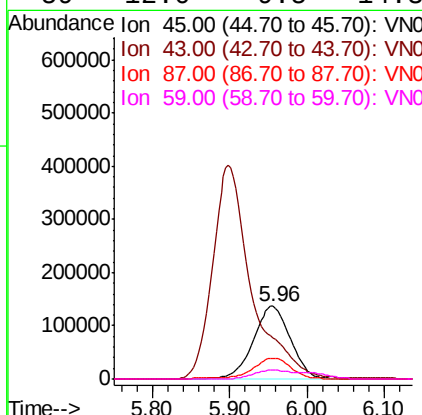
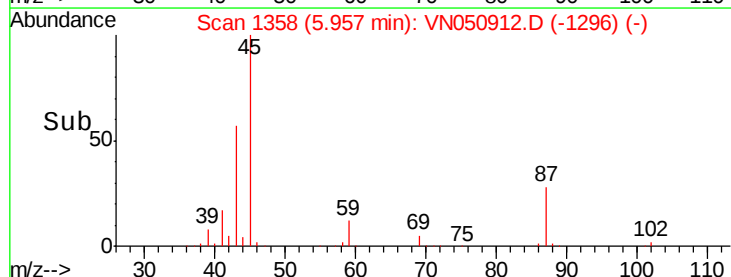
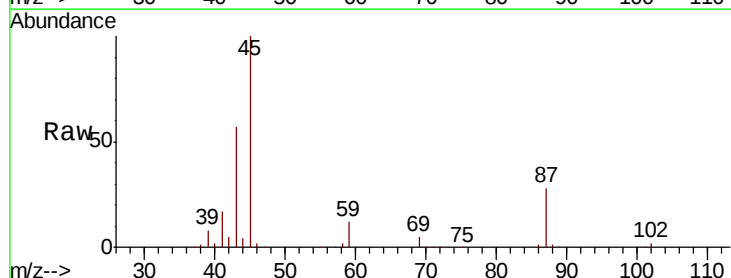
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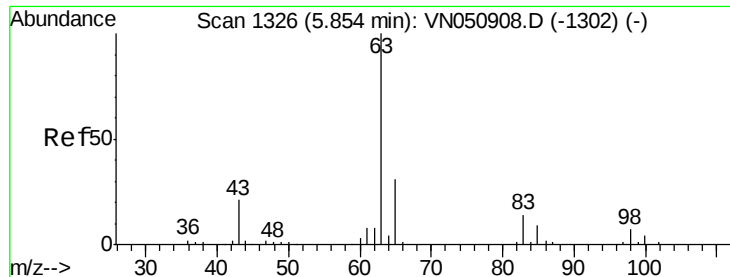
MMDadoda
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#20
Diisopropyl ether
Concen: 20.61 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.7	47.0	70.6
87	28.1	22.8	34.2
59	12.0	9.5	14.3





#21

1,1-Dichloroethane

Concen: 19.73 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

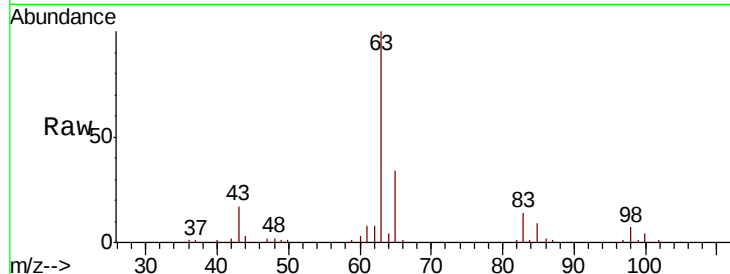
ClientSampleId :

VSTDICV020

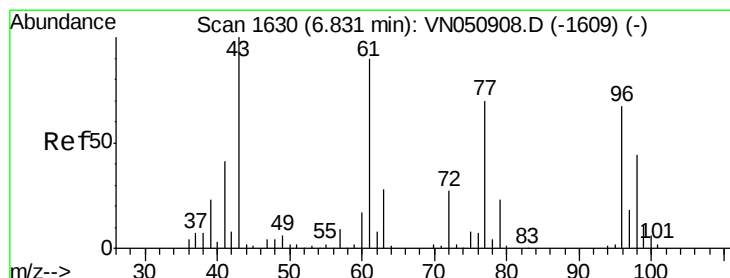
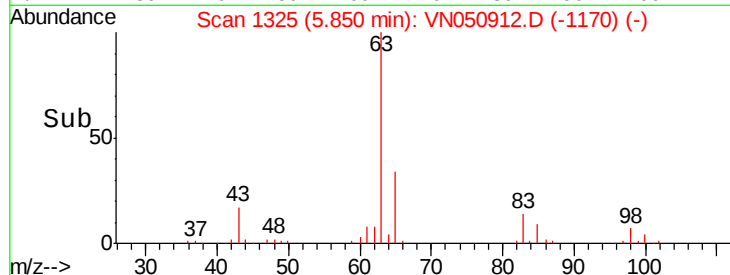
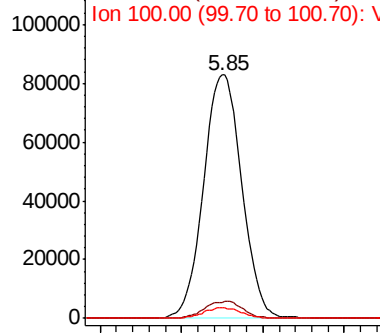
Tot Ion:	63	Resp:	269156
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.3	9.9
100	4.5	2.0	6.0

Manual Integrations
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Abundance Ion 63.00 (62.70 to 63.70): VN050912.D (-1170) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.92 ug/l

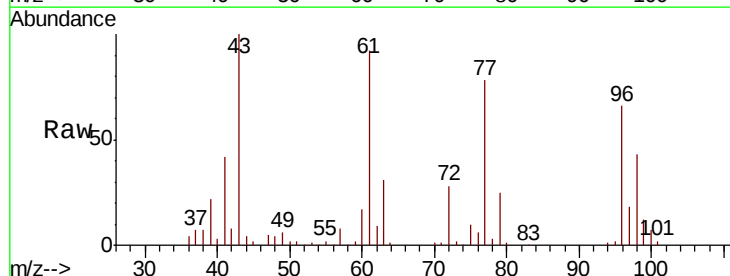
RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

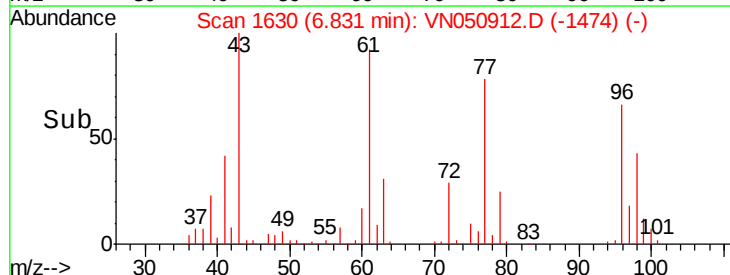
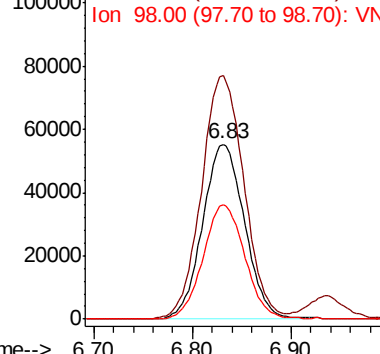
Lab File: VN050912.D

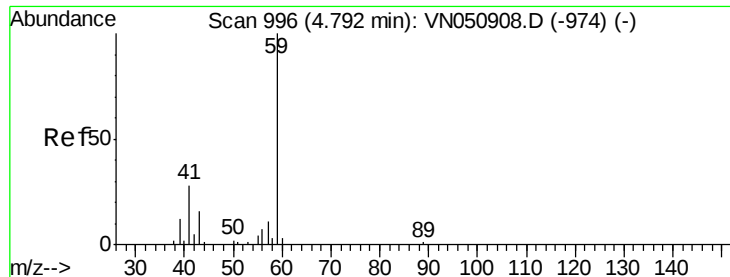
Acq: 28 Aug 2018 14:18

Tgt Ion:	96	Resp:	163301
Ion Ratio	Lower	Upper	
96	100		
61	140.9	110.0	165.0
98	64.8	51.7	77.5



Abundance Ion 96.00 (95.70 to 96.70): VN050912.D (-1474) (-)





#23

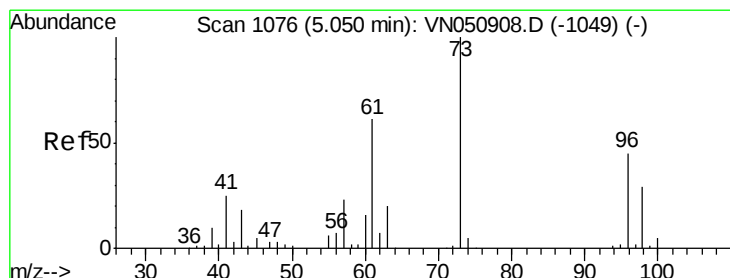
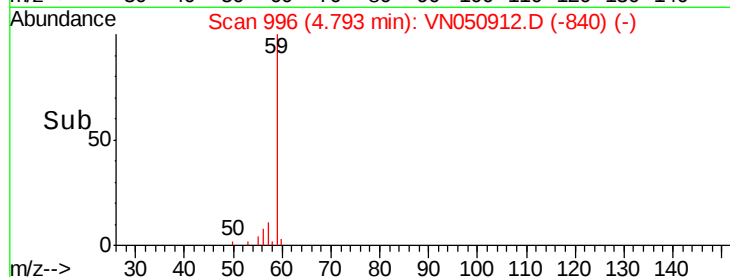
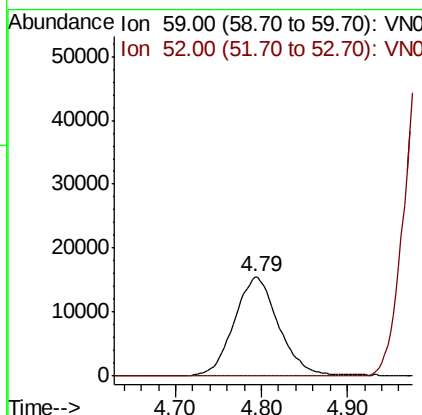
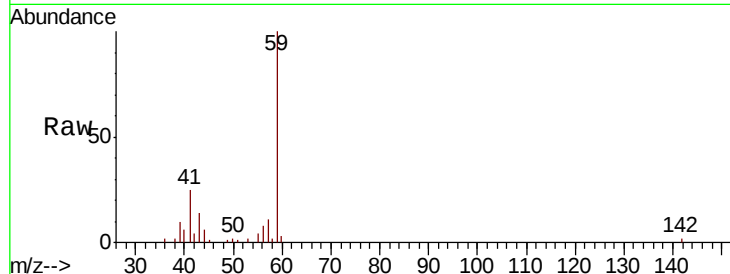
tert-Butyl Alcohol
 Concen: 98.26 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICV020

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
52	52	0.0	0.1	0.1#

Manual Integrations
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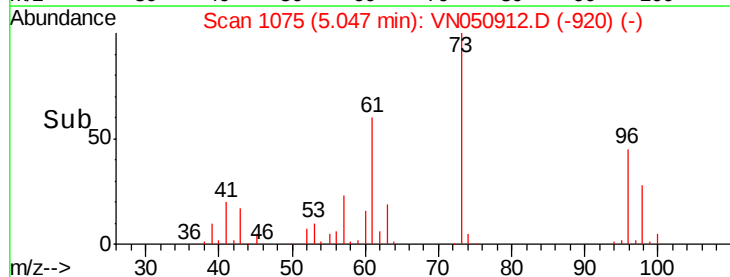
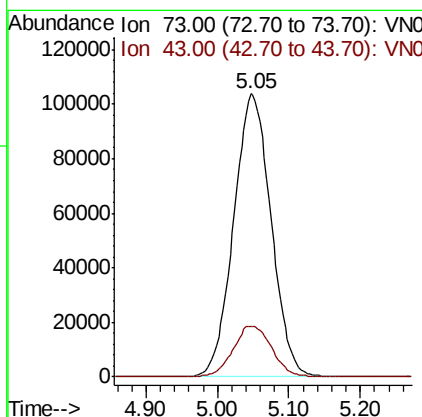
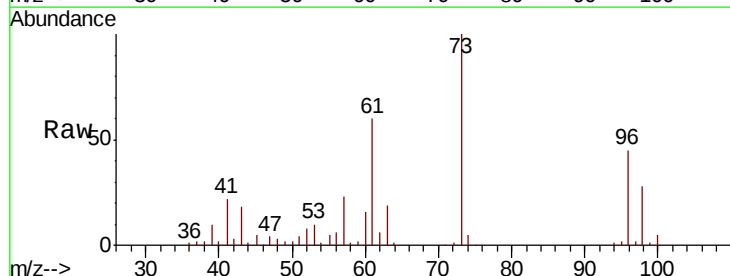
MMDadoda
 8/29/2018 11:10:10 AM

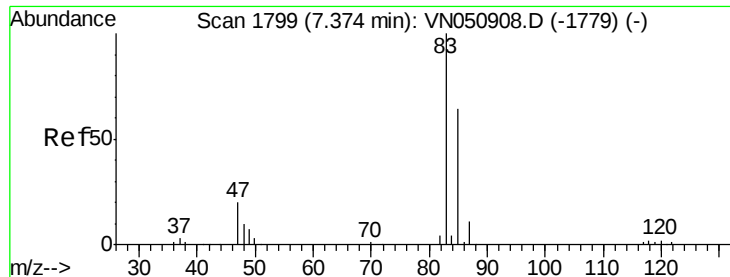


#24

Methyl tert-Butyl Ether
 Concen: 20.33 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	18.1	14.4	21.6





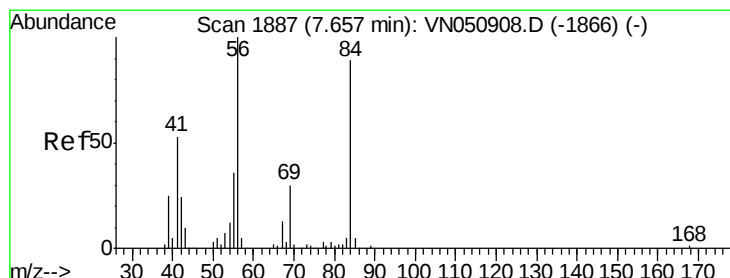
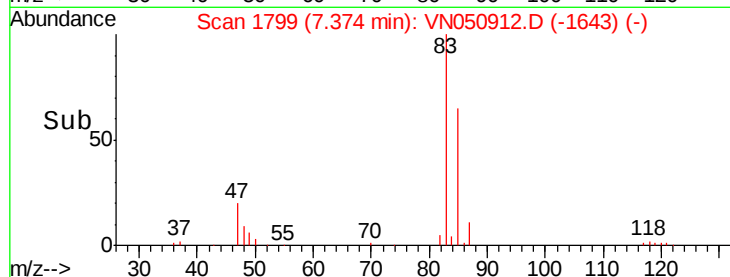
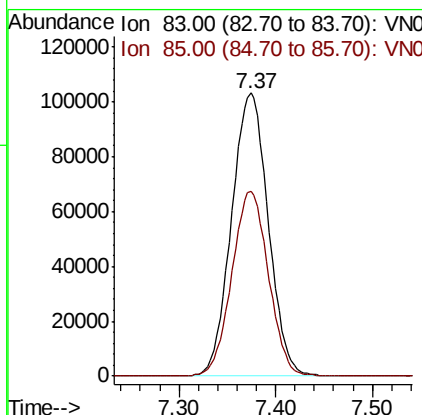
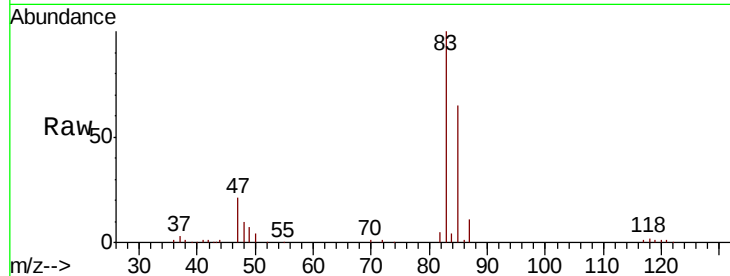
#25
Chloroform
Concen: 20.01 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Tot Ion	83	Resp	272425
Ion Ratio	100	Lower	Upper
83	100		
85	65.3	51.4	77.0

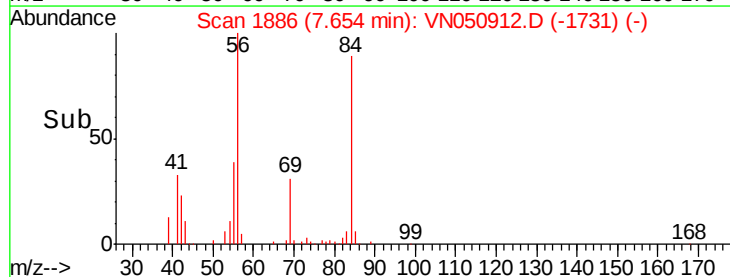
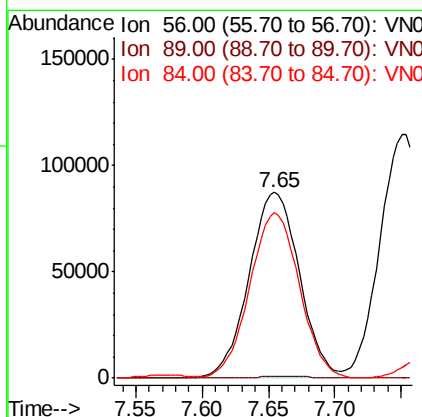
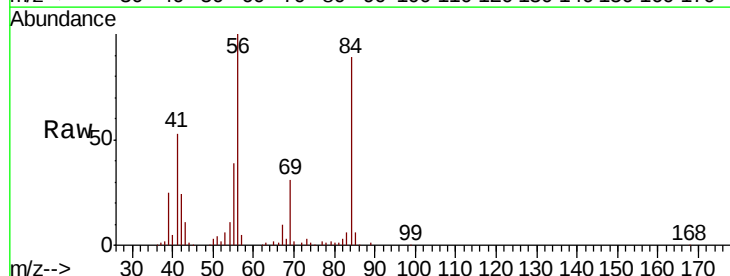
Manual Integrations
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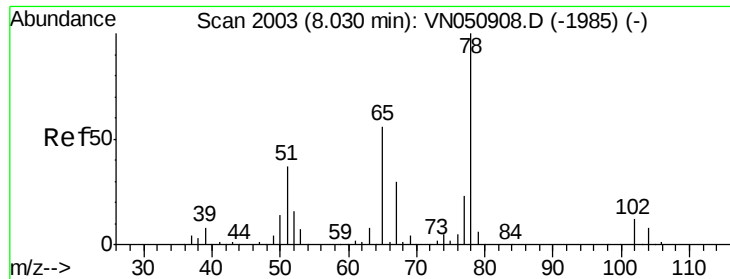
MMDadoda
8/29/2018 11:10:10 AM



#26
Cyclohexane
Concen: 20.48 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion	56	Resp	231464
Ion Ratio	100	Lower	Upper
56	100		
89	1.0	0.4	0.6#
84	86.9	70.4	105.6





#27

1,2-Dichloroethane-d4

Concen: 29.95 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

Tot Ion: 65 Resp: 240880

Ion Ratio Lower Upper

65 100

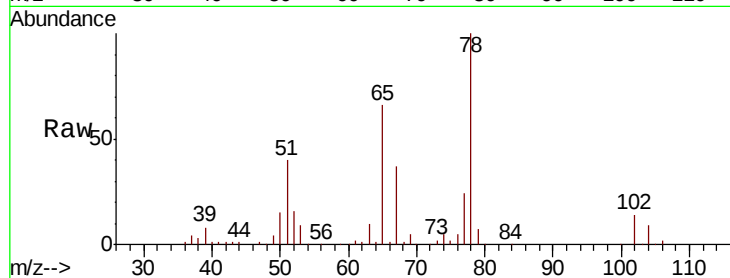
67 54.8 43.7 65.5

Manual Integrations

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MMDadoda

8/29/2018 11:10:10 AM



Abundance Ion 65.00 (64.70 to 65.70): VN050908.D (-1985) (-)

Ion 67.00 (66.70 to 67.70): VN050908.D (-1985) (-)

8.03

100000

80000

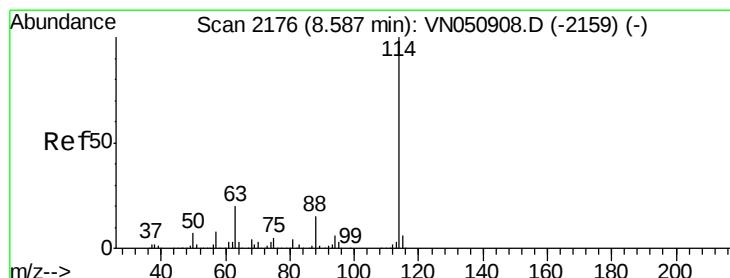
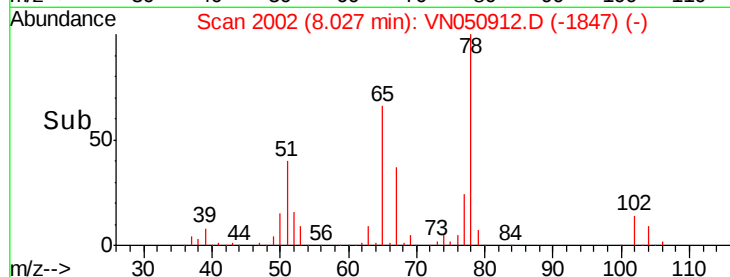
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

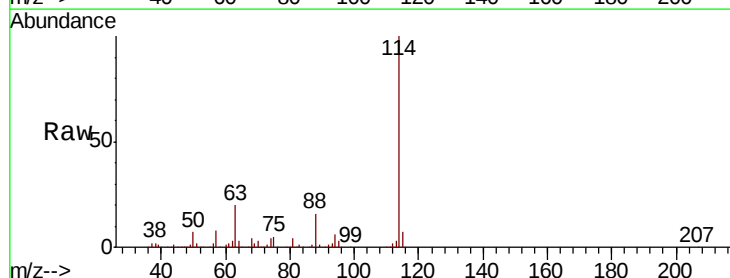
Tgt Ion: 114 Resp: 685814

Ion Ratio Lower Upper

114 100

63 19.4 15.6 23.4

88 15.5 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN050908.D (-2159) (-)

Ion 63.00 (62.70 to 63.70): VN050908.D (-2159) (-)

Ion 88.00 (87.70 to 88.70): VN050908.D (-2159) (-)

8.59

400000

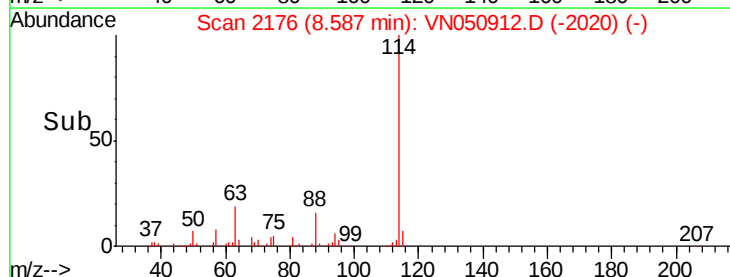
300000

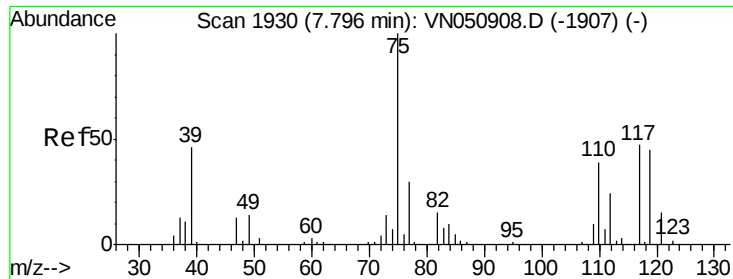
200000

100000

0

Time-->





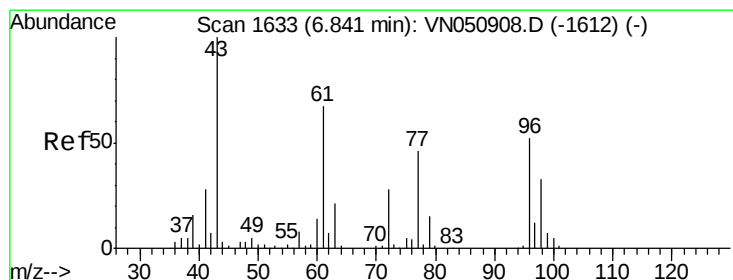
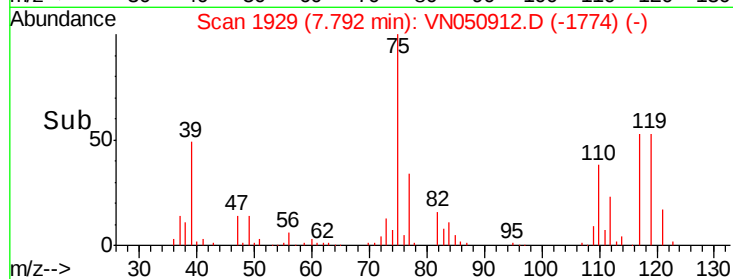
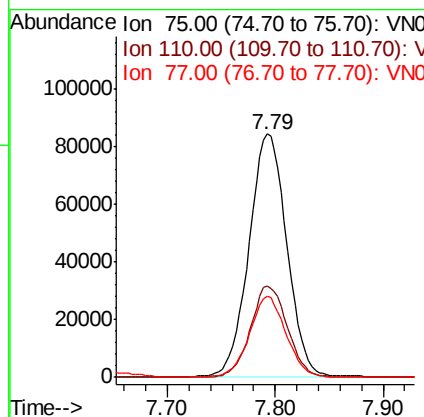
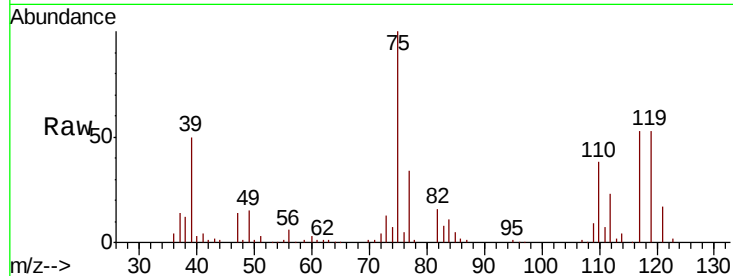
#29
 1,1-Dichloropropene
 Concen: 20.07 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.5	0.0	75.0
77	32.2	0.0	60.6

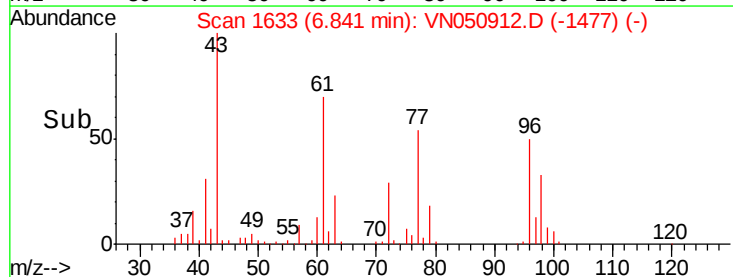
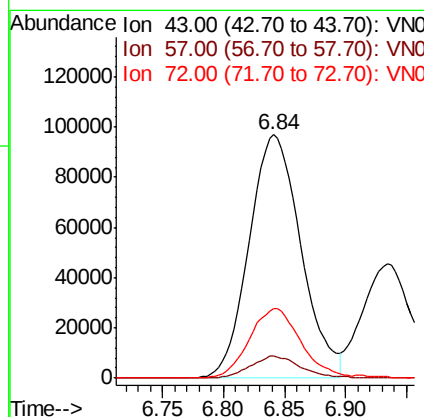
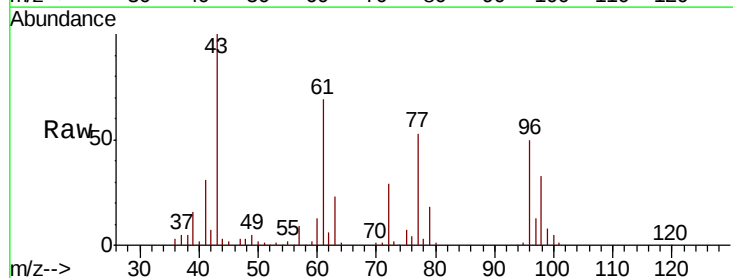
Manual Integrations
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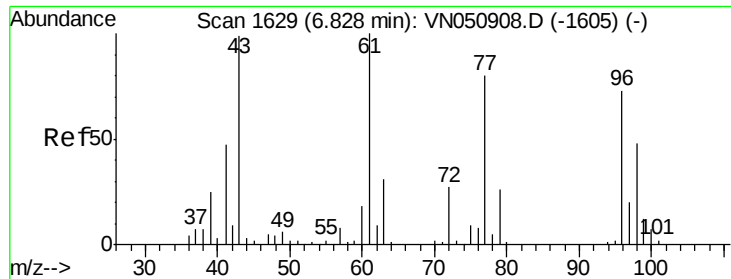
MMDadoda
 8/29/2018 11:10:10 AM



#30
 2-Butanone
 Concen: 89.92 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.9	6.9	10.3
72	28.5	22.8	34.2





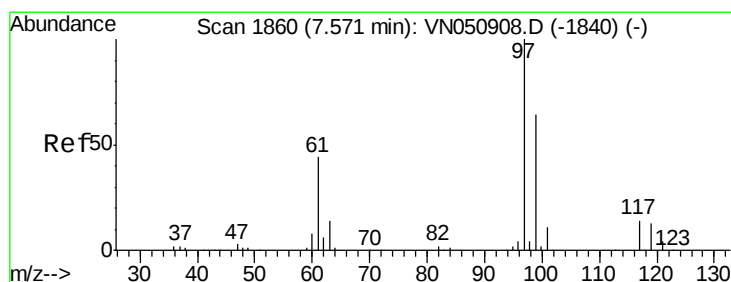
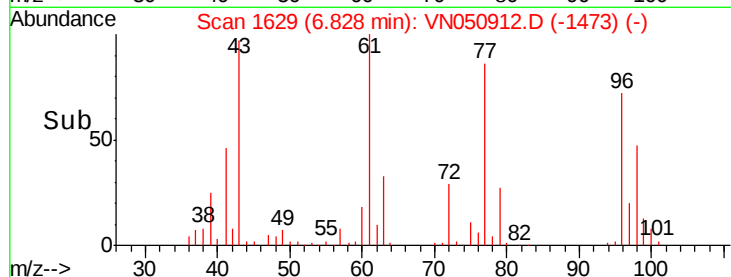
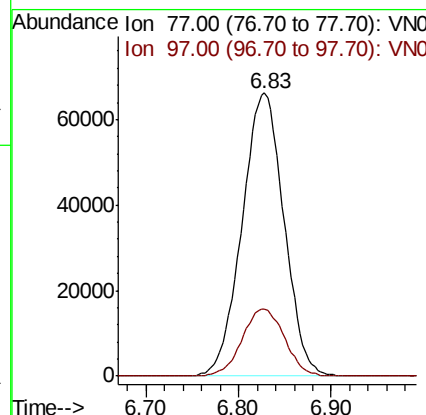
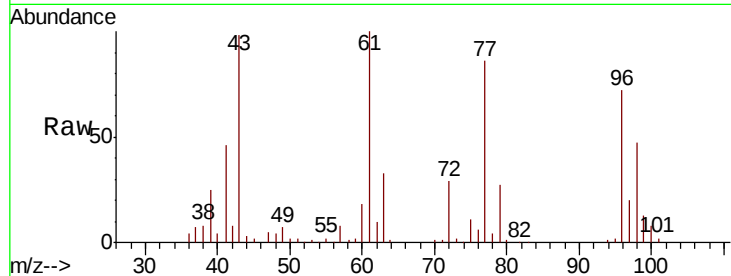
#31
 2,2-Dichloropropane
 Concen: 20.80 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Tot Ion	Ratio	Lower	Upper
77	100		
97	23.9	20.2	30.2

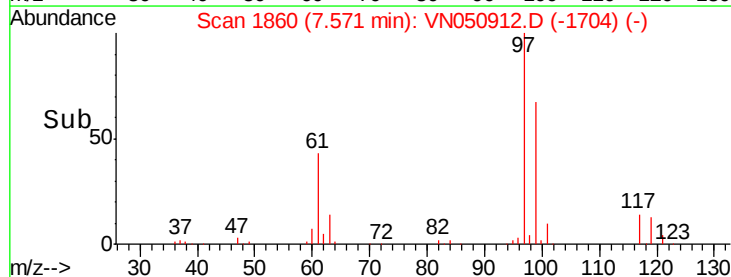
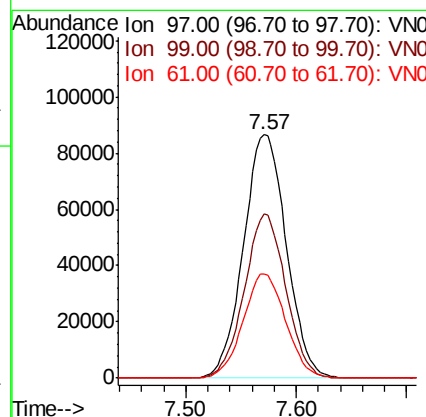
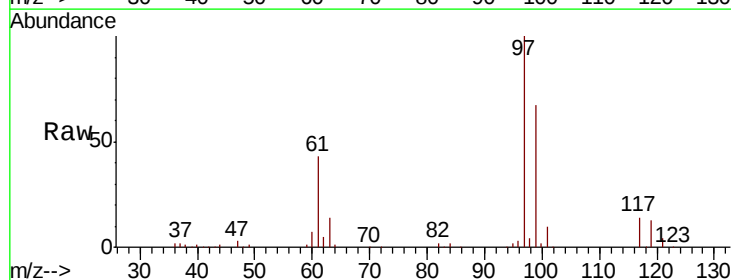
Manual Integrations
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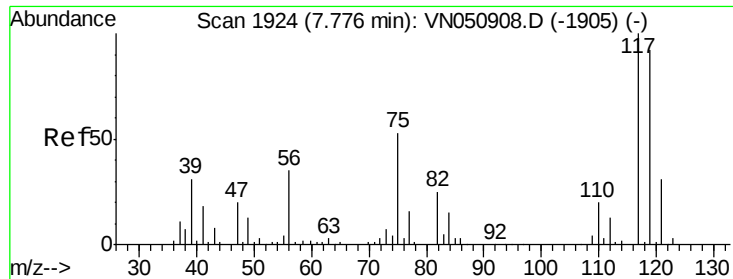
MMDadoda
 8/29/2018 11:10:10 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.03 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	42.6	35.0	52.6





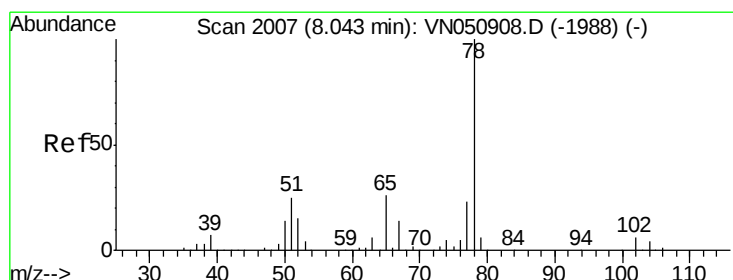
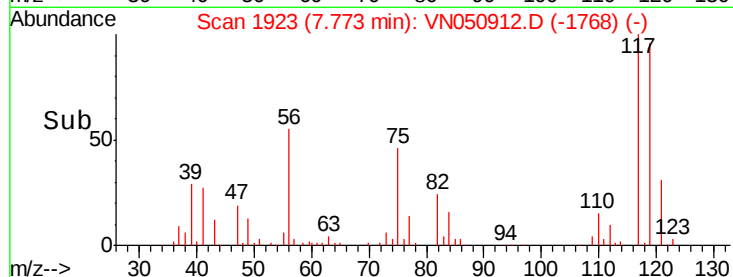
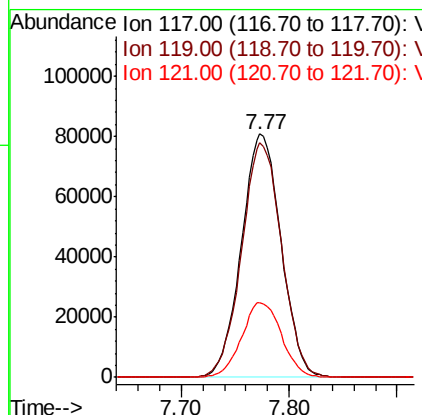
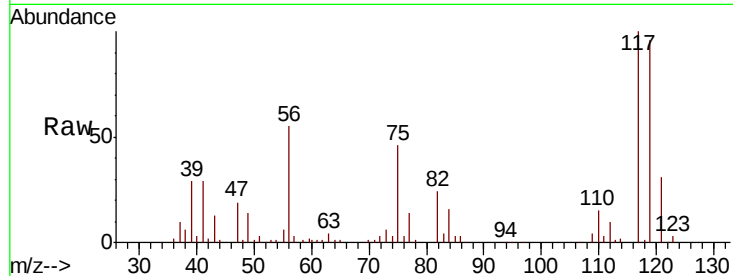
#33
Carbon Tetrachloride
Concen: 19.69 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampleID :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.3	73.5	110.3
121	30.8	24.6	37.0

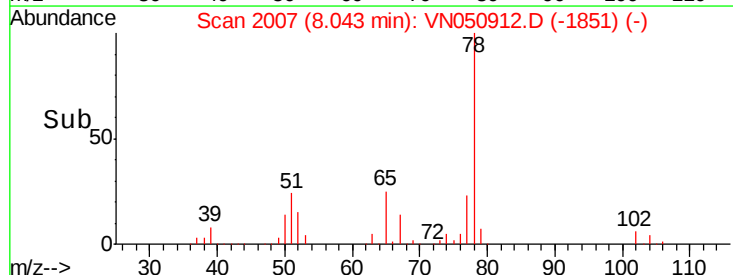
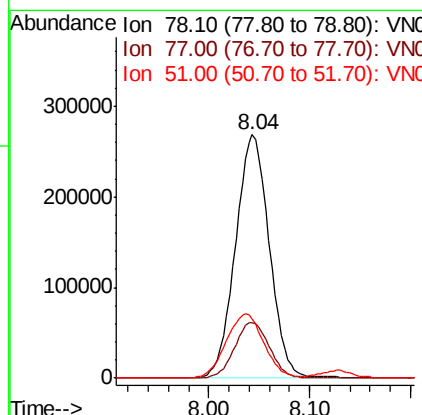
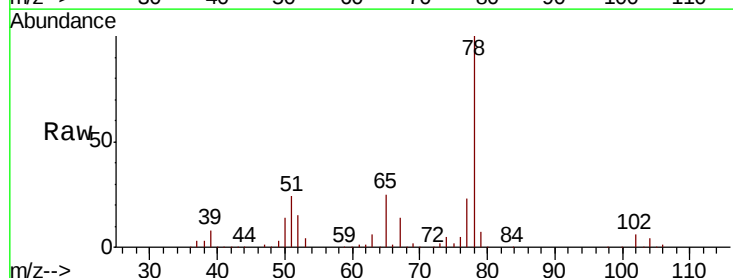
Manual Integrations
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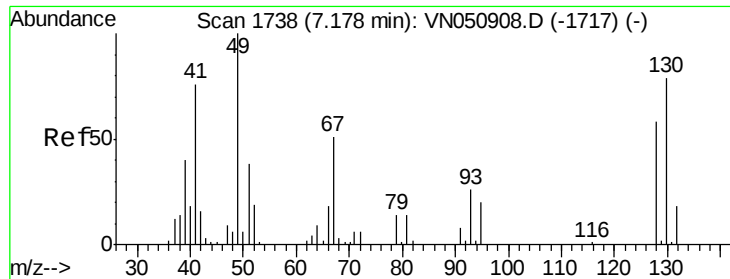
MMDadoda
8/29/2018 11:10:10 AM



#34
Benzene
Concen: 19.68 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	28.0
51	24.0	20.0	30.0





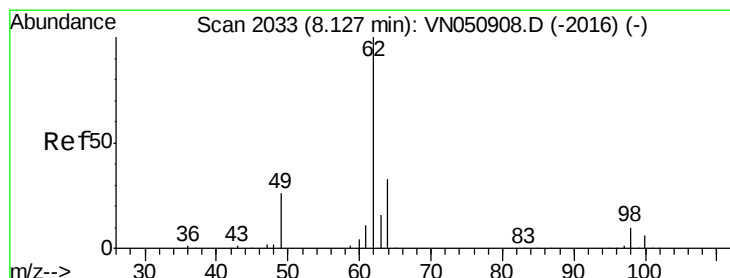
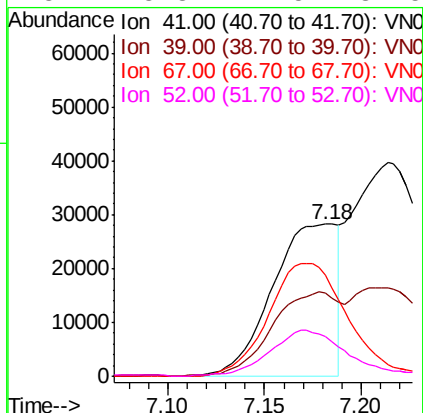
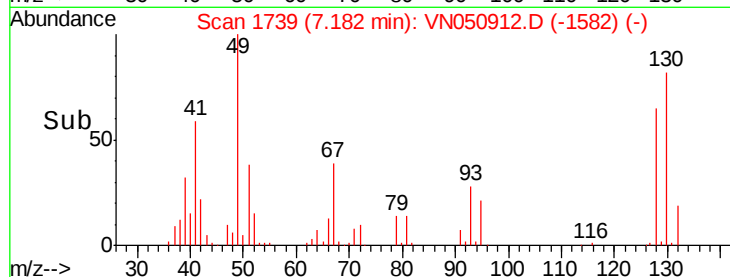
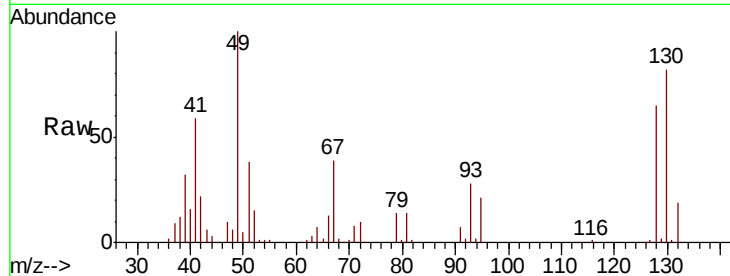
#35
Methacrylonitrile
Concen: 19.08 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	26.2	78.5	
67	66.2	33.9	101.6	
52	25.8	12.5	37.5	

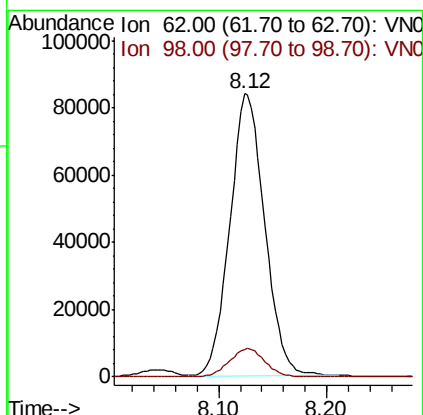
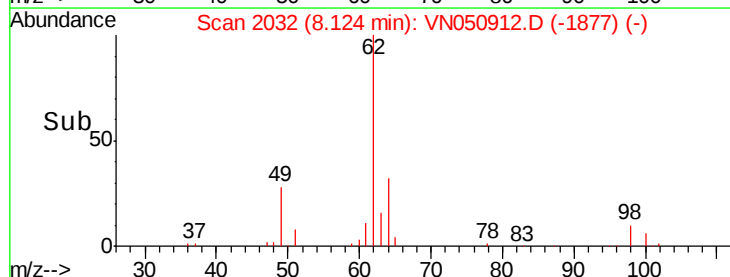
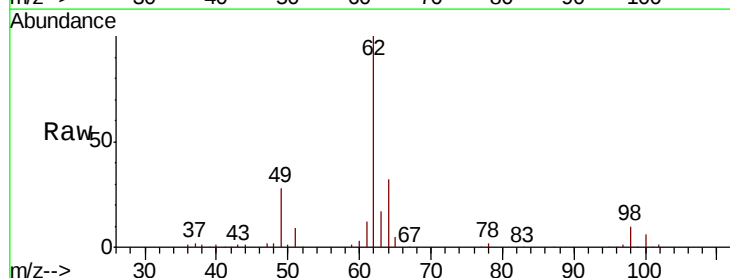
Manual Integrations
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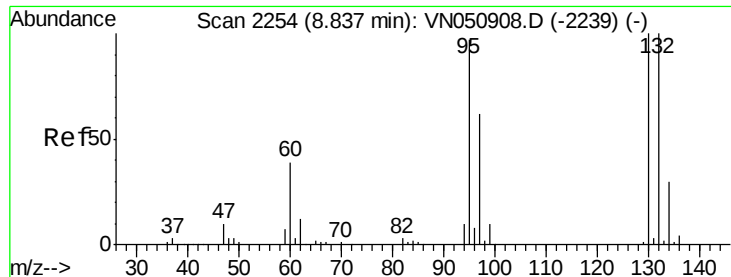
MMDadoda
8/29/2018 11:10:10 AM



#36
1,2-Dichloroethane
Concen: 19.70 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	8.0	12.0	





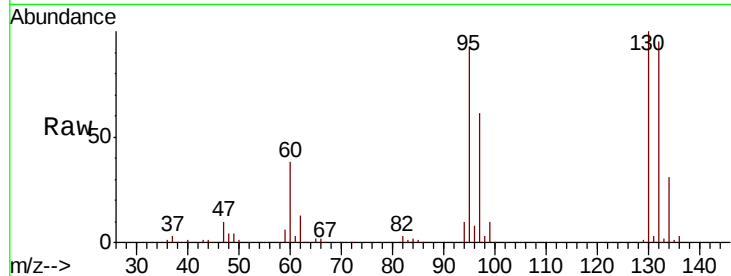
#37
 Trichloroethene
 Concen: 19.94 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

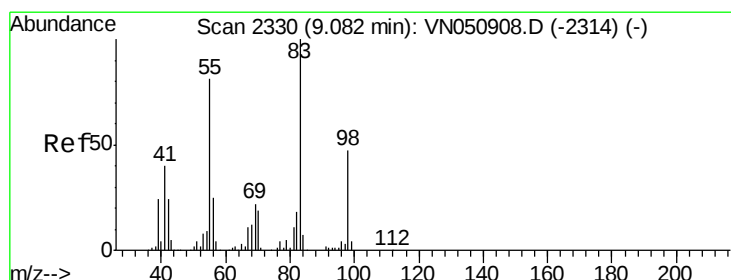
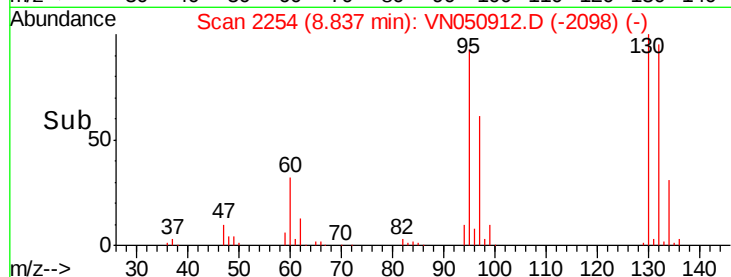
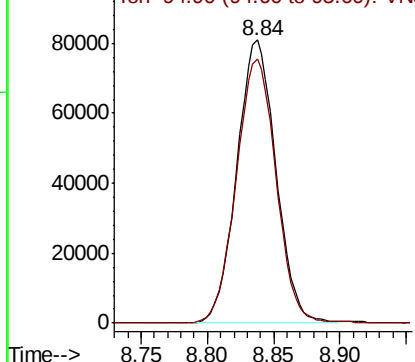
Tot Ion	Ratio	Resp	Lower	Upper
130	100	165501		
95	93.1	77.4	116.0	

Manual Integrations
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MMDadoda
 8/29/2018 11:10:10 AM

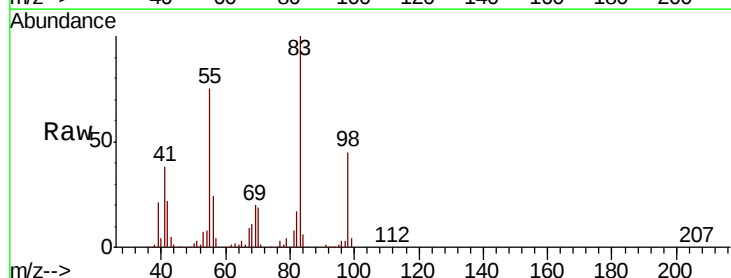


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

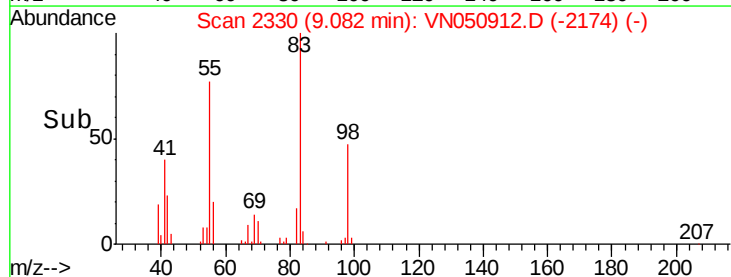
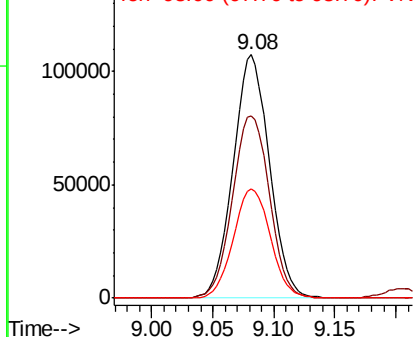


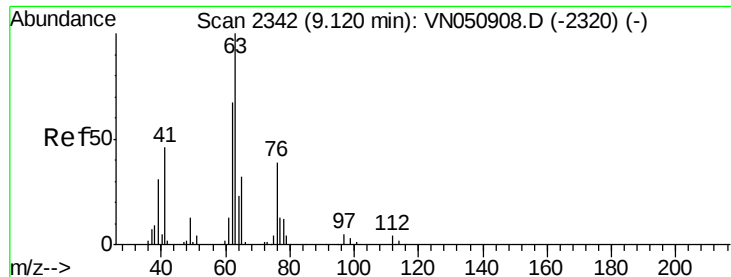
#38
 Methylcyclohexane
 Concen: 20.12 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	221894		
55	76.3	38.9	116.7	
98	45.7	22.9	68.7	



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





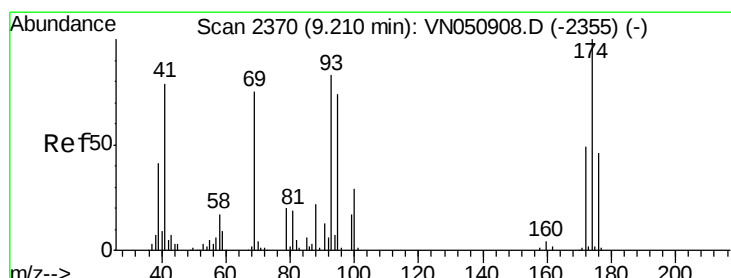
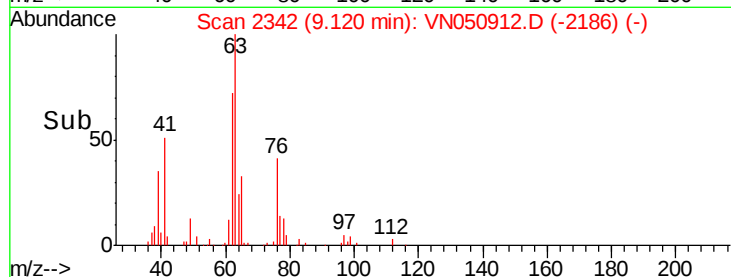
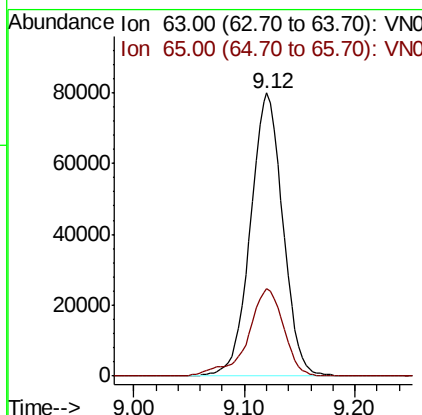
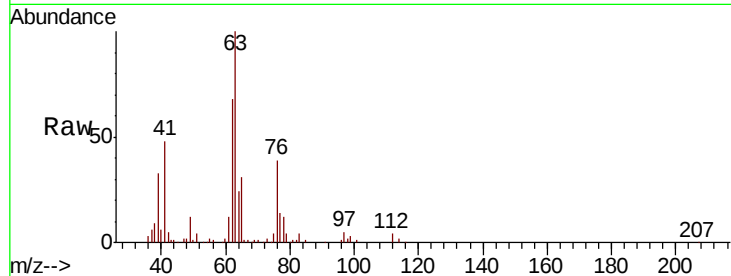
#39
 1,2-Dichloropropane
 Concen: 19.65 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.6	38.4

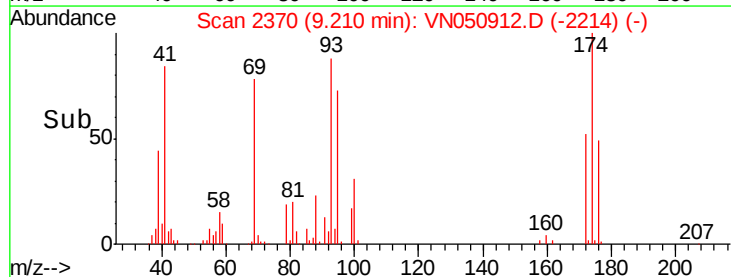
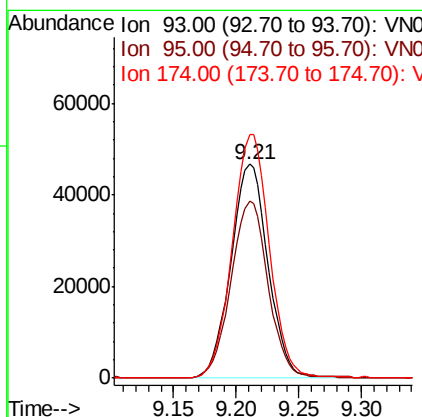
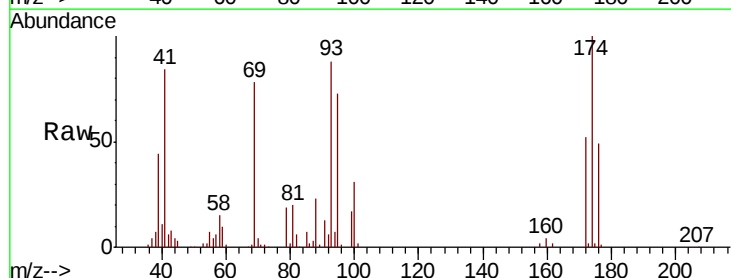
Manual Integrations
 APPROVED

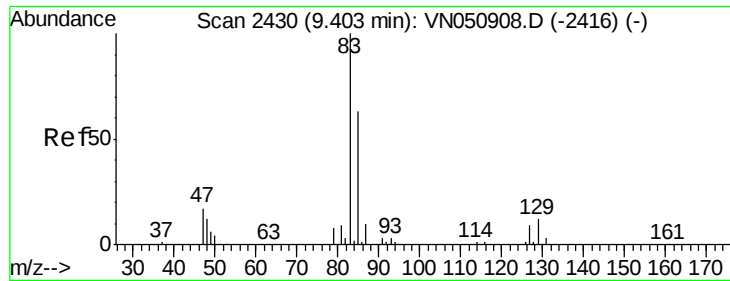
MMDadoda
 8/29/2018 11:10:10 AM



#40
 Dibromomethane
 Concen: 19.33 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	0.0	173.4
174	113.6	0.0	234.8





#41

Bromodichloromethane

Concen: 19.21 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

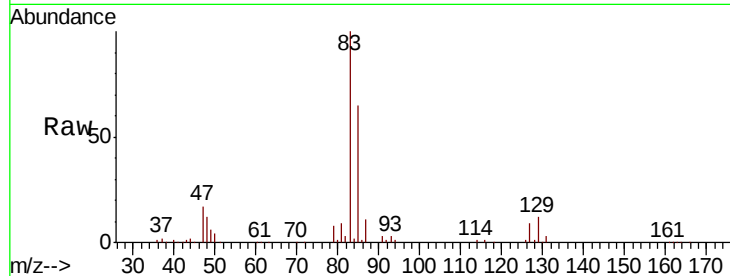
ClientSampleId :

VSTDICV020

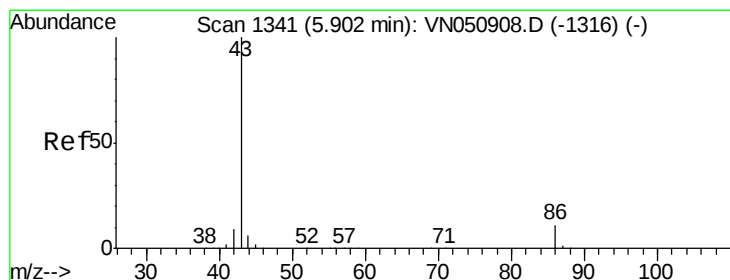
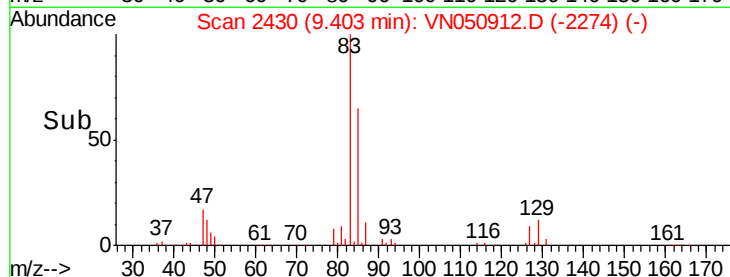
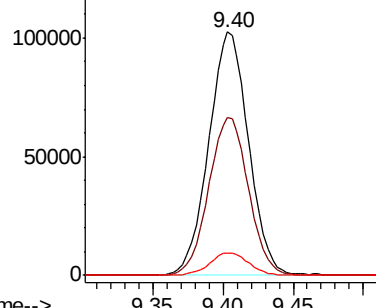
Tot Ion:	83	Resp:	202397
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.6	76.0
127	9.3	7.1	10.7

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Abundance Ion 83.00 (82.70 to 83.70): VN050912.D (-2274) (-)



#42

Vinyl Acetate

Concen: 96.81 ug/l

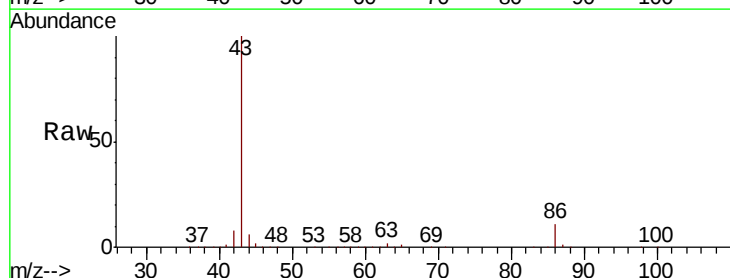
RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

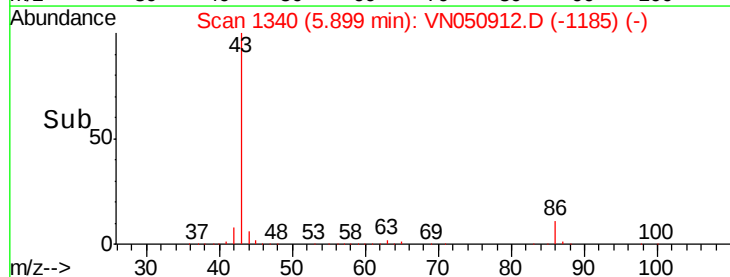
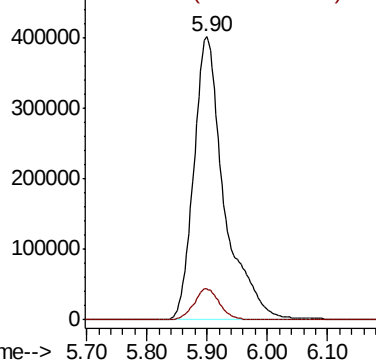
Lab File: VN050912.D

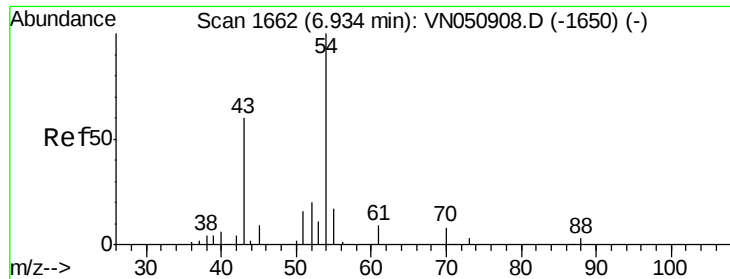
Acq: 28 Aug 2018 14:18

Tgt Ion:	43	Resp:	1408395
Ion Ratio	Lower	Upper	
43	100		
86	9.3	7.2	10.8



Abundance Ion 43.00 (42.70 to 43.70): VN050912.D (-1185) (-)





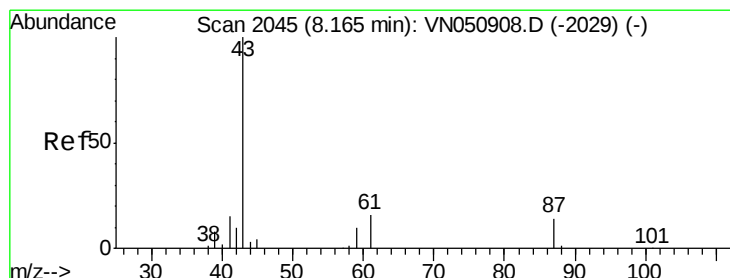
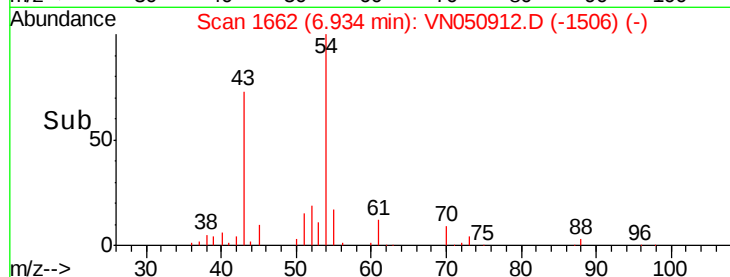
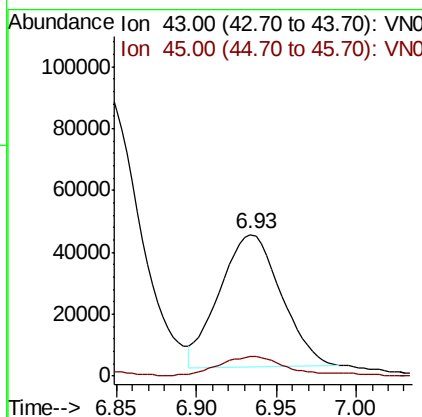
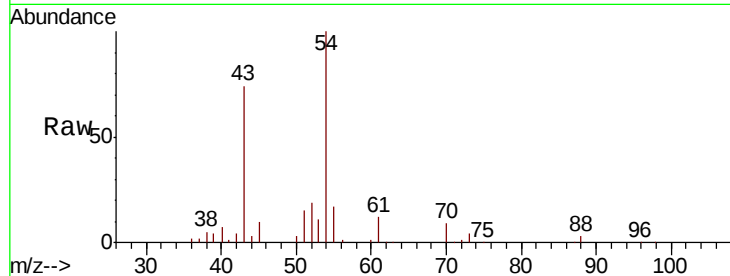
#43
Ethyl Acetate
Concen: 17.46 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampled :
VSTDICV020

Tot Ion: 43 Resp: 112976
Ion Ratio Lower Upper
43 100
45 14.9 10.2 15.2

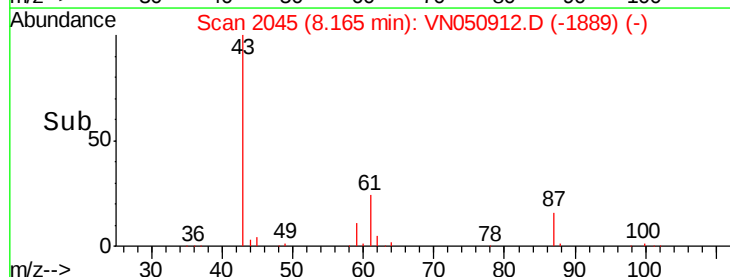
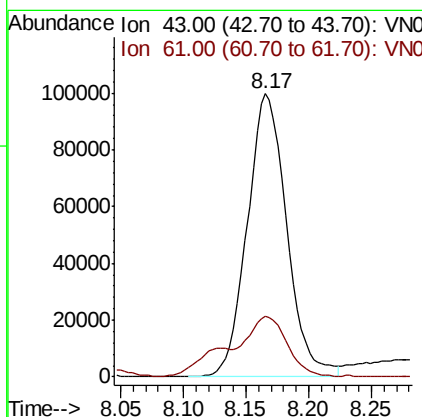
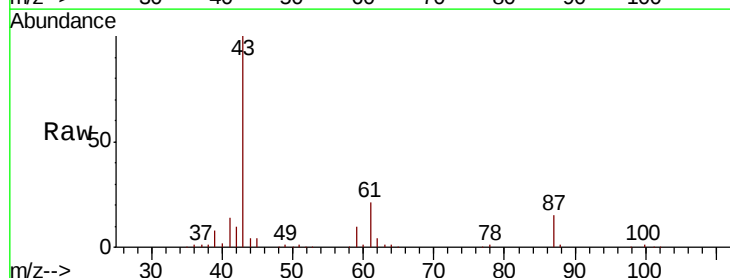
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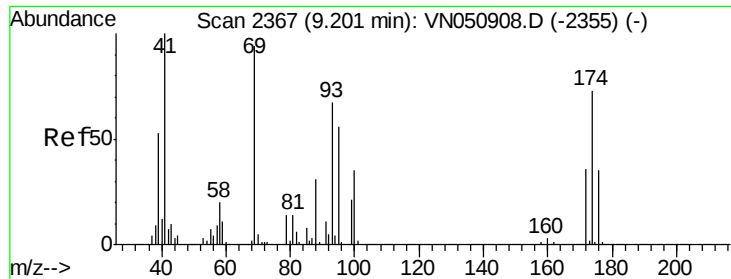
MMDadoda
8/29/2018 11:10:10 AM



#44
Isopropyl Acetate
Concen: 19.08 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion: 43 Resp: 217803
Ion Ratio Lower Upper
43 100
61 20.8 16.3 24.5





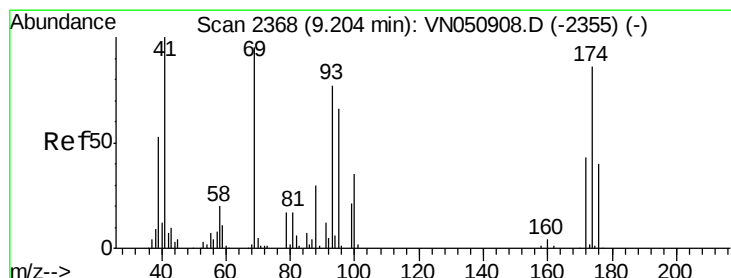
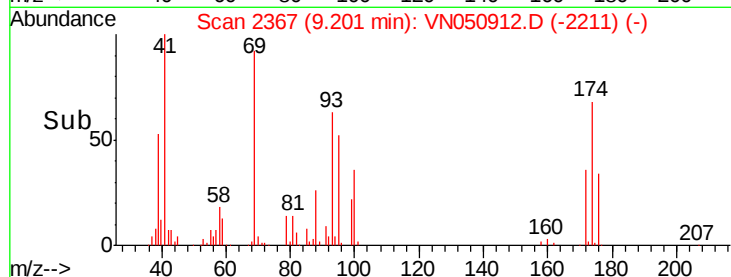
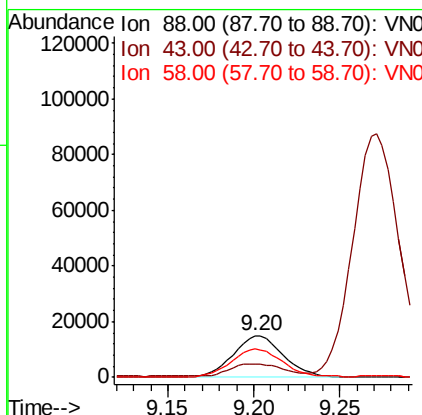
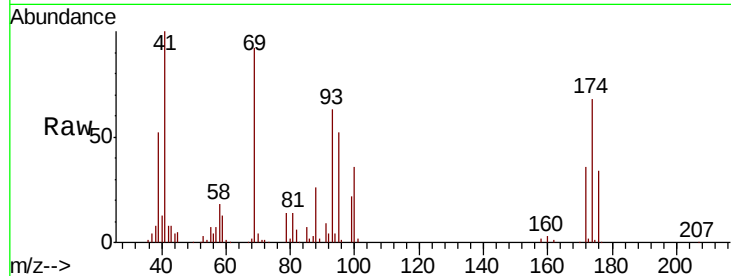
#45
1,4-Dioxane
Concen: 357.75 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Tot Ion	88	Resp	30343
Ion	Ratio	Lower	Upper
88	100		
43	32.0	23.5	35.3
58	69.7	55.2	82.8

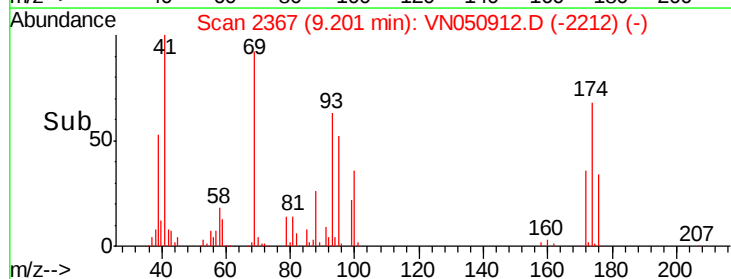
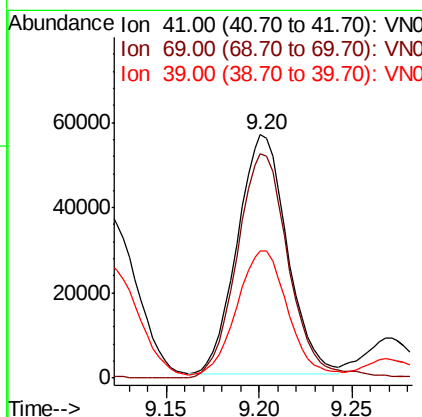
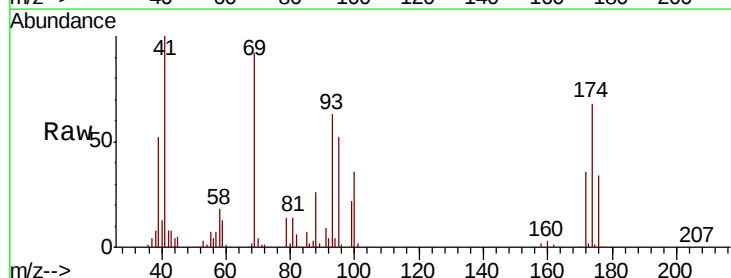
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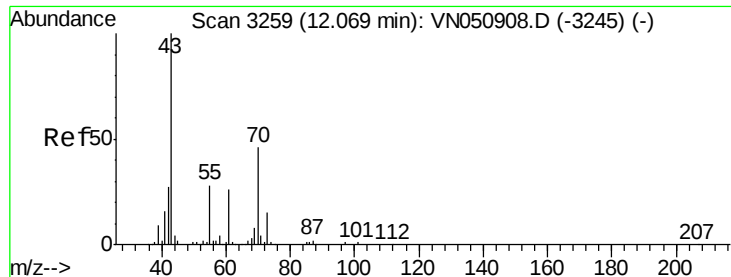
MMDadoda
8/29/2018 11:10:10 AM



#46
Methyl methacrylate
Concen: 18.42 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion	41	Resp	105351
Ion	Ratio	Lower	Upper
41	100		
69	93.4	47.4	142.2
39	51.9	26.6	79.7





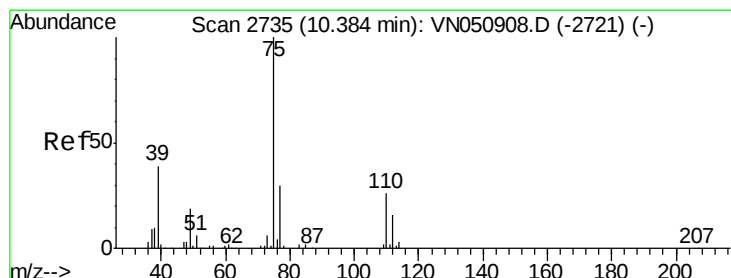
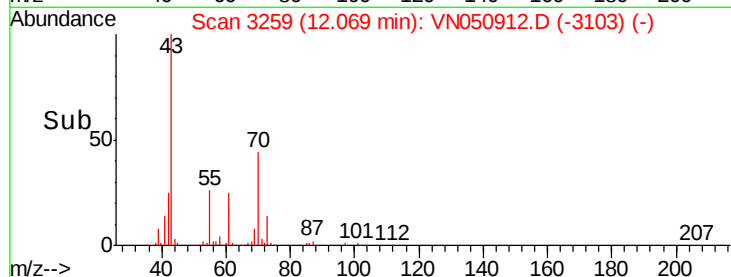
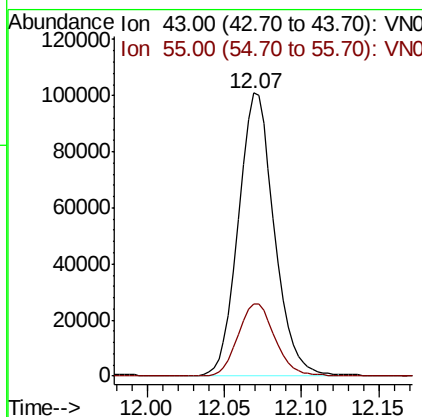
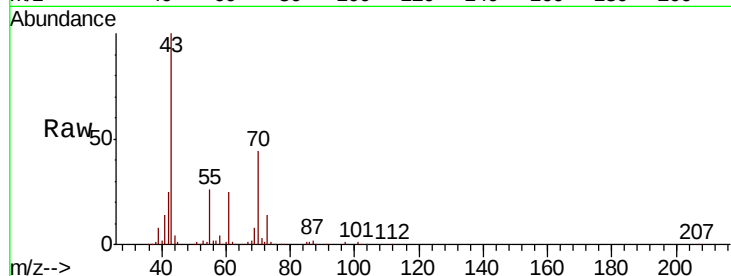
#47
n-amyl Acetate
Concen: 17.63 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampled :
VSTDICV020

Tot Ion	43	Resp	161846
Ion	Ratio	Lower	Upper
43	100		
55	26.6	23.0	34.4

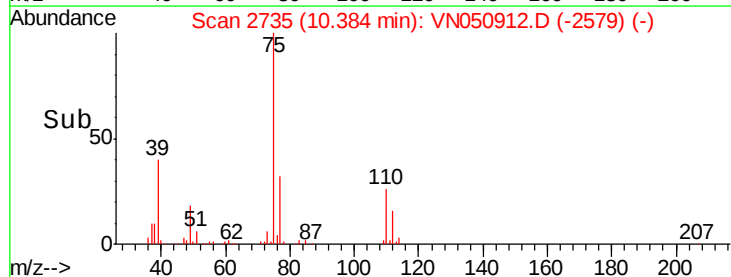
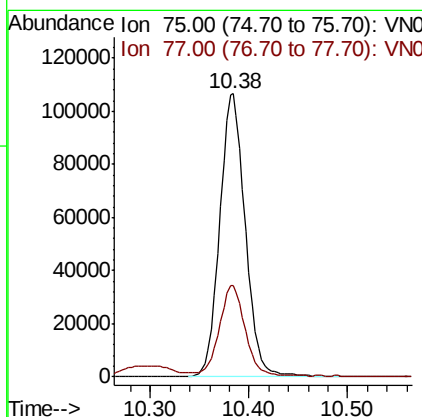
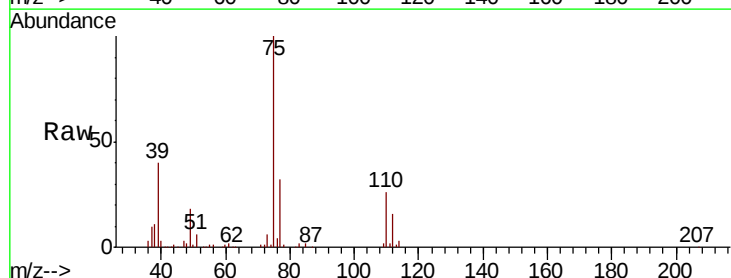
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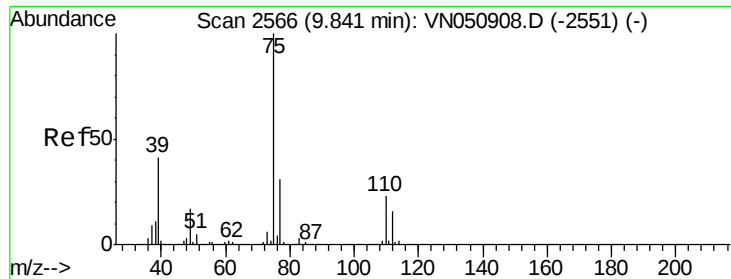
MMDadoda
8/29/2018 11:10:10 AM



#48
t-1,3-Dichloropropene
Concen: 18.75 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion	75	Resp	193627
Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.8	37.2





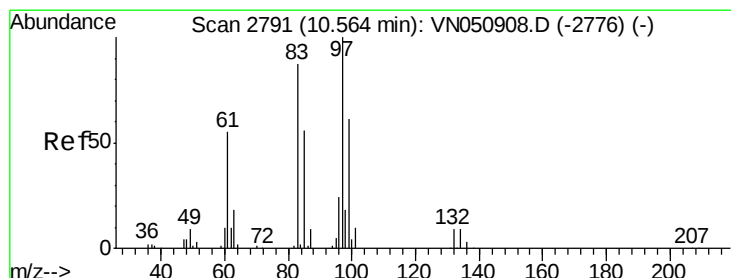
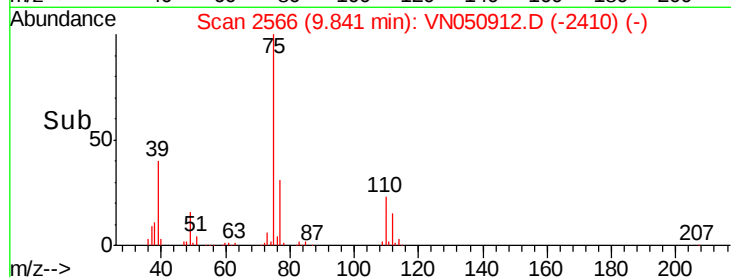
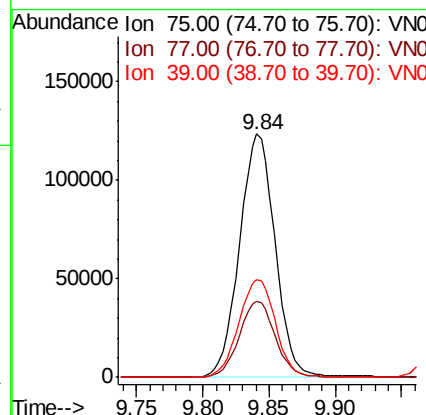
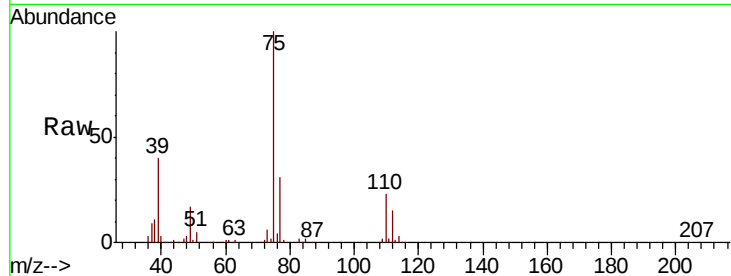
#49
 cis-1,3-Dichloropropene
 Concen: 19.41 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	40.2	32.9	49.3

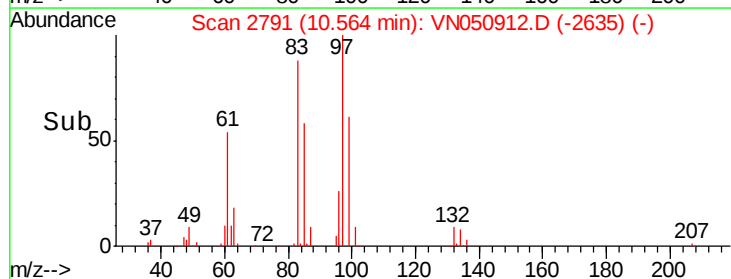
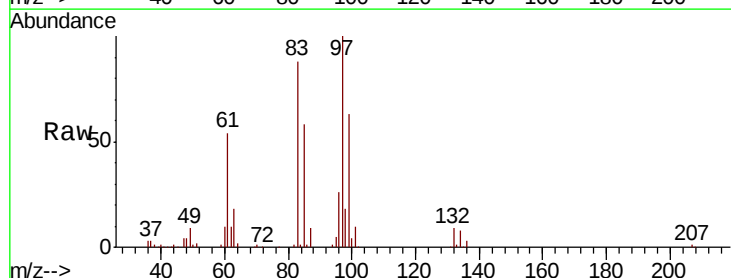
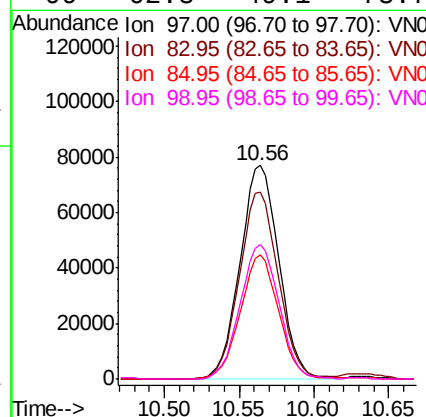
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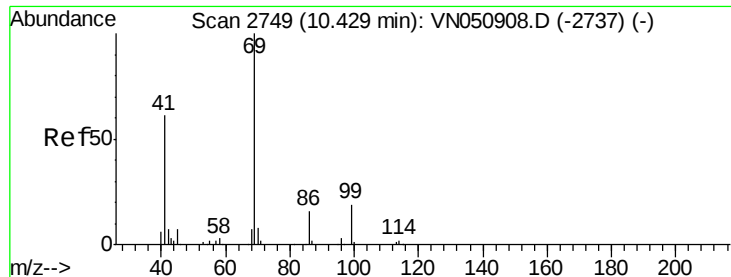
MMDadoda
 8/29/2018 11:10:10 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.18 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.7	69.8	104.6
85	58.2	45.0	67.6
99	62.8	49.1	73.7





#51

Ethyl methacrylate

Concen: 18.21 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

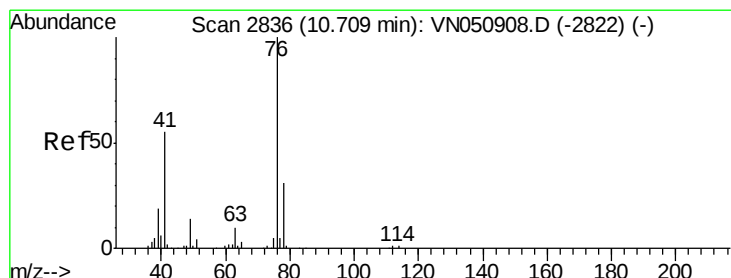
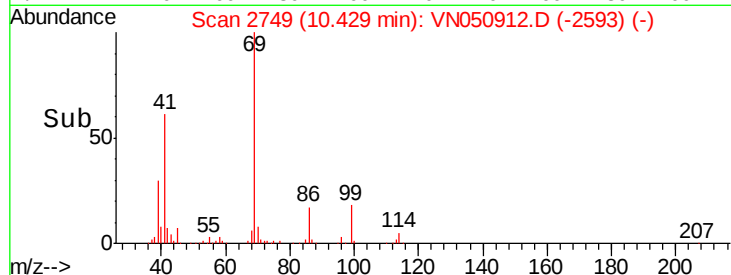
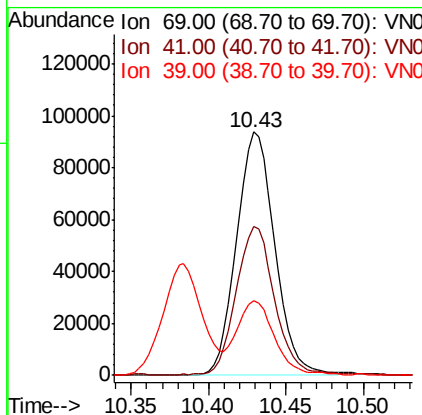
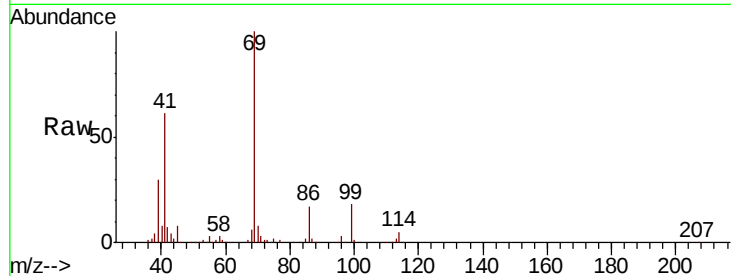
ClientSampleId :

VSTDICV020

Tot Ion:	69	Resp:	161735
Ion	Ratio	Lower	Upper
69	100		
41	60.5	30.5	91.5
39	29.9	15.3	45.8

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#52

1,3-Dichloropropane

Concen: 19.12 ug/l

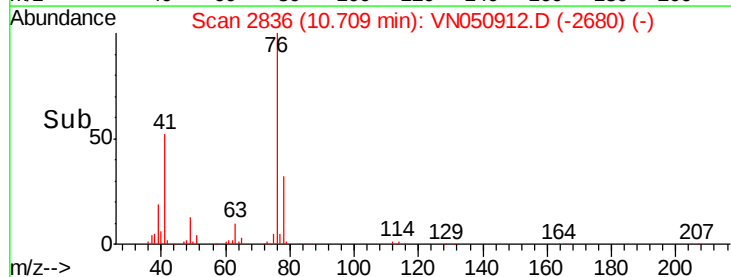
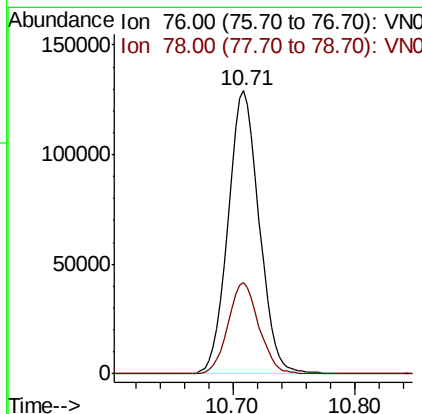
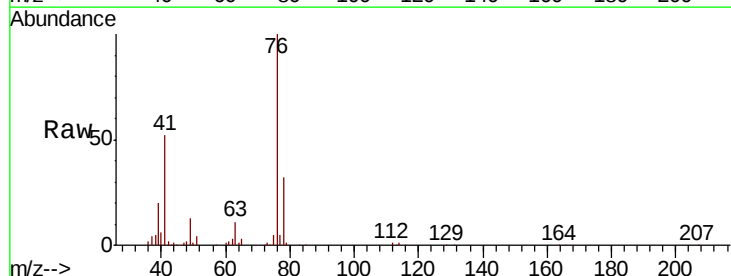
RT: 10.71 min Scan# 2836

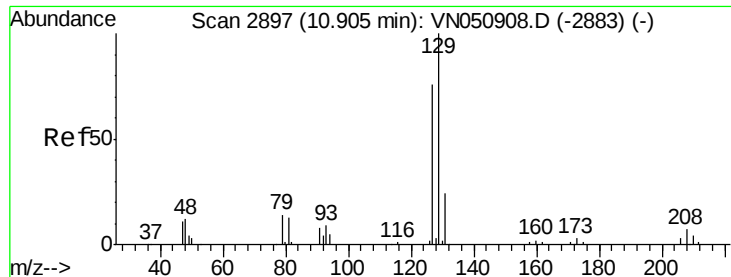
Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Tgt Ion:	76	Resp:	230003
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	63.4





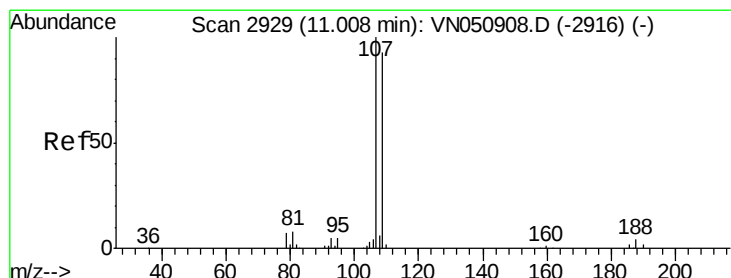
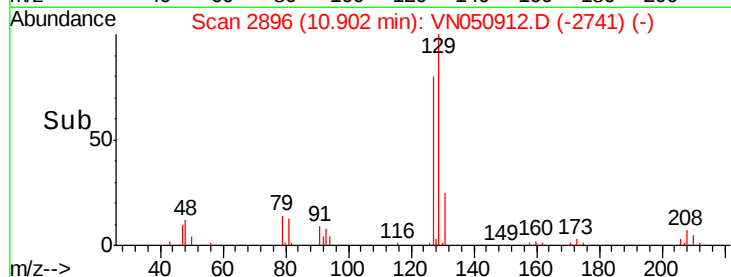
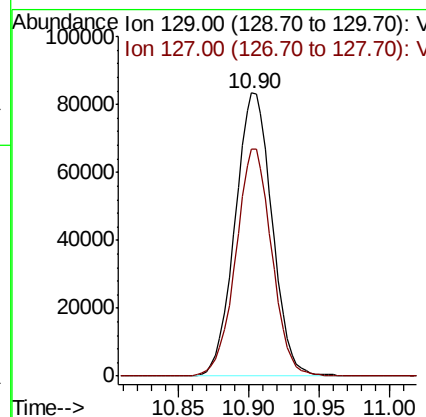
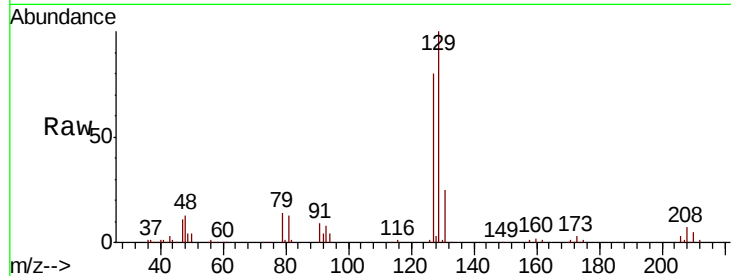
#53
Dibromochloromethane
Concen: 18.54 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.0	116.9

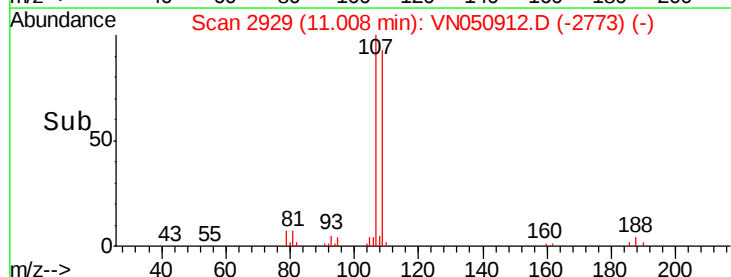
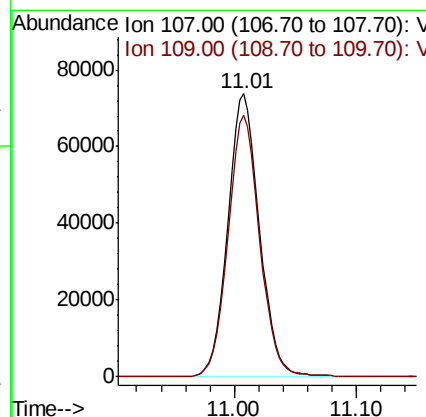
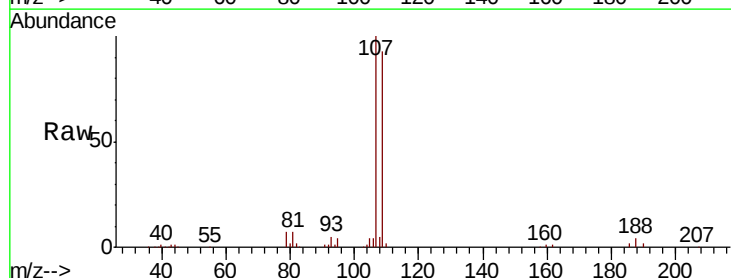
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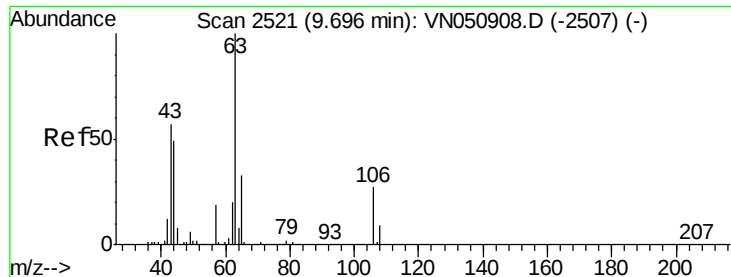
MMDadoda
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#54
1,2-Dibromoethane
Concen: 18.59 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.5	74.4	111.6





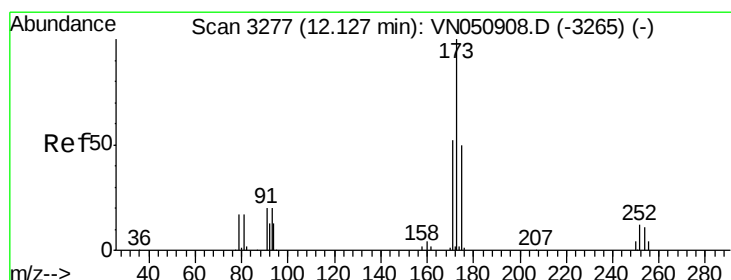
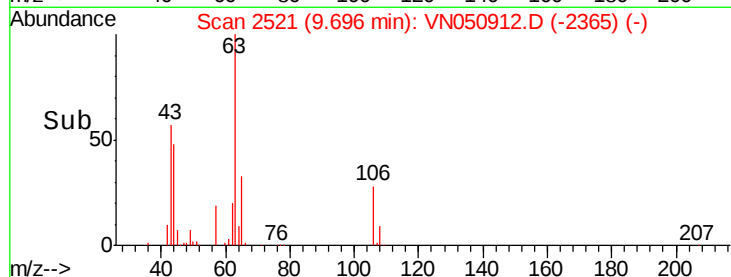
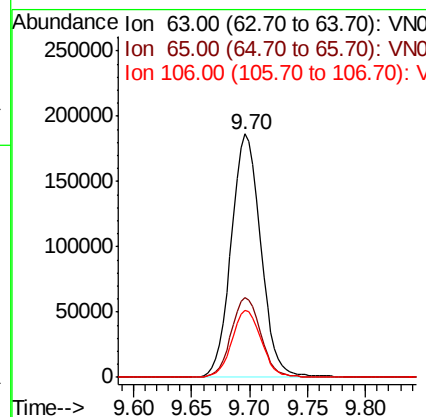
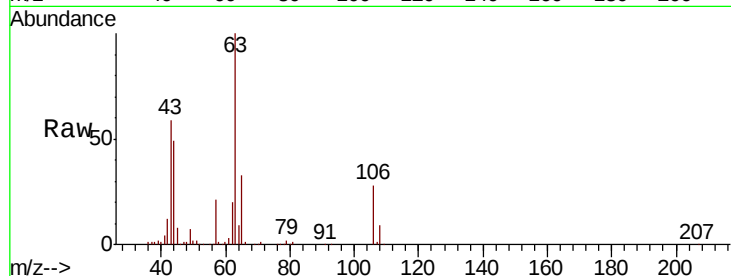
#55
2-Chloroethyl vinyl ether
Concen: 89.51 ug/l
RT: 9.70 min Scan# 2521
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	25.4	38.2
106	27.4	22.0	33.0

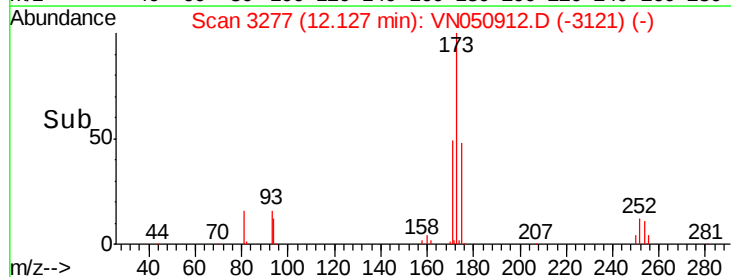
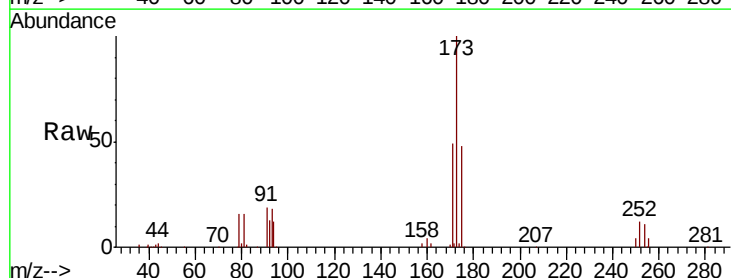
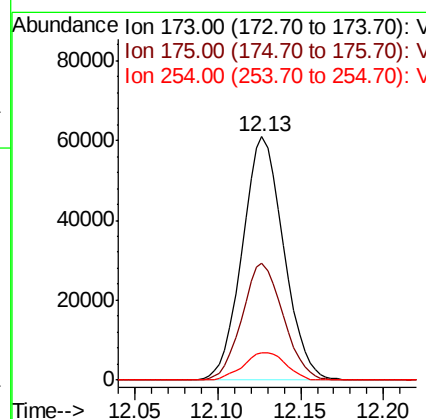
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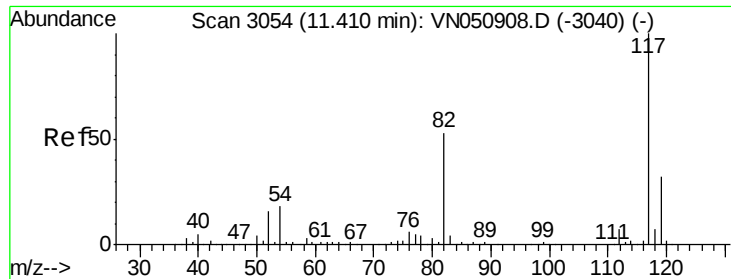
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8/29/2018 11:10:10 AM



#56
Bromoform
Concen: 18.01 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	39.2	58.8
254	11.7	9.0	13.6





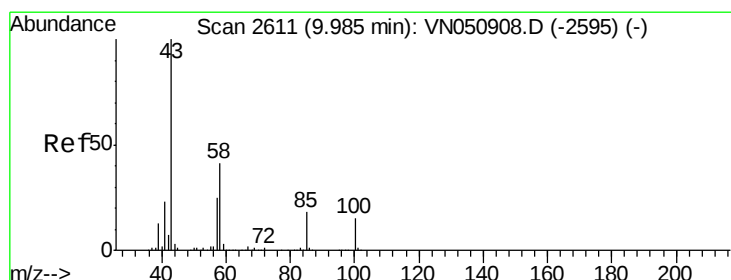
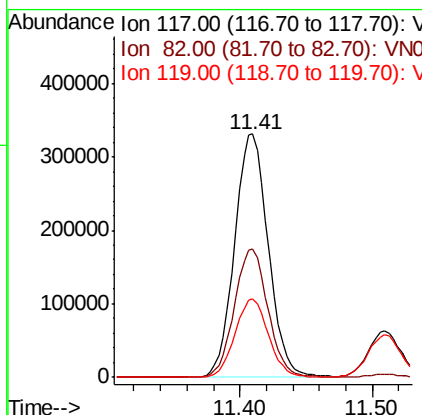
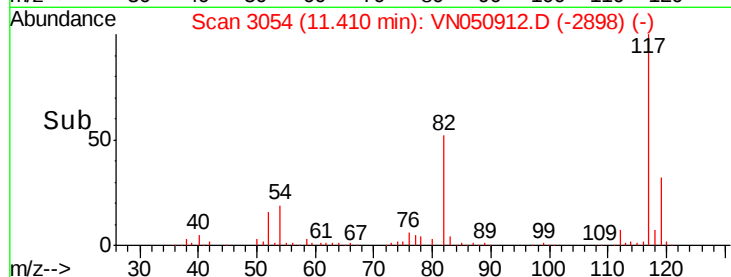
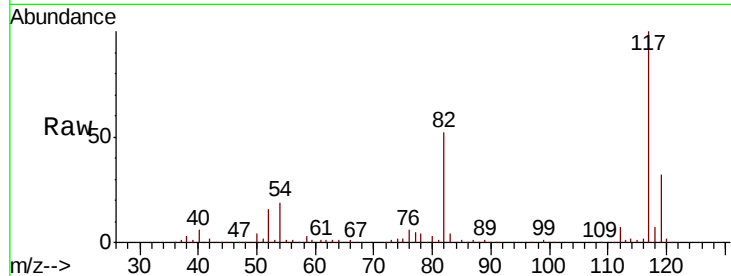
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampled :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.6	64.0
119	32.2	25.7	38.5

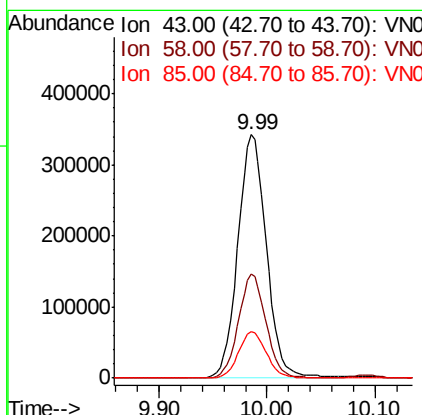
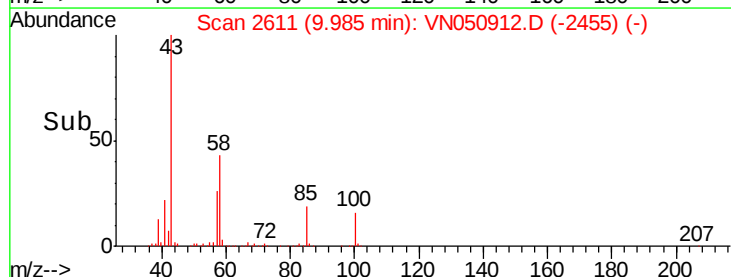
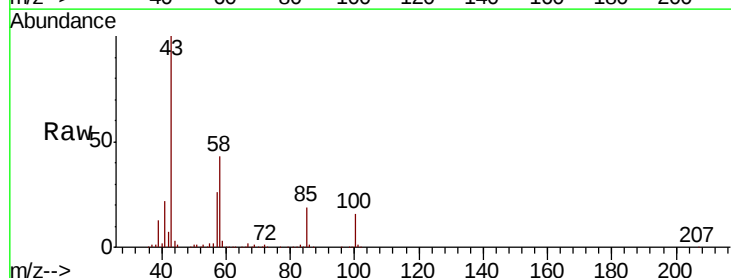
Manual Integrations
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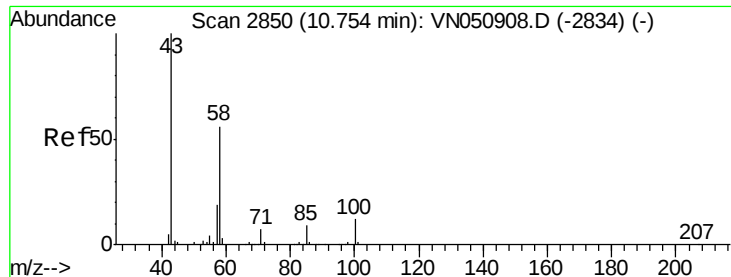
MMDadoda
8/29/2018 11:10:10 AM



#58
4-Methyl-2-Pentanone
Concen: 94.20 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.3	32.3	48.5
85	18.6	14.9	22.3





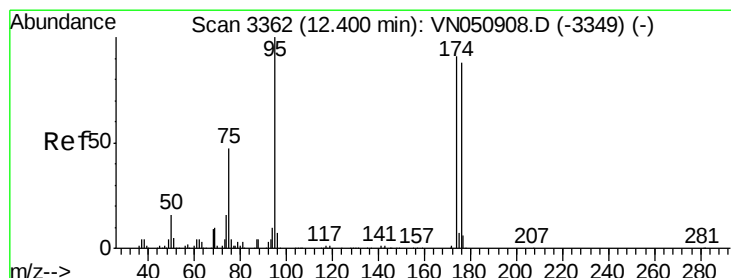
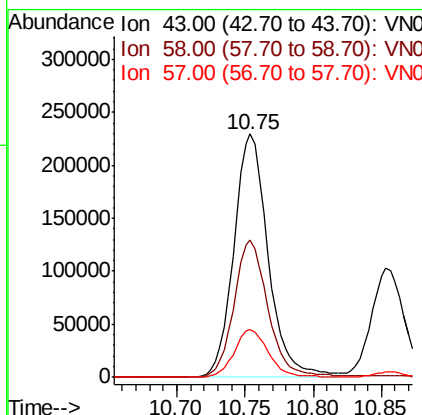
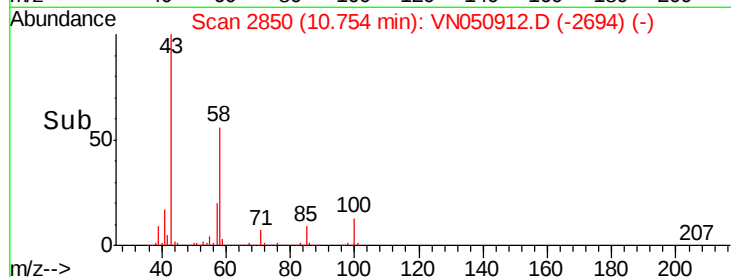
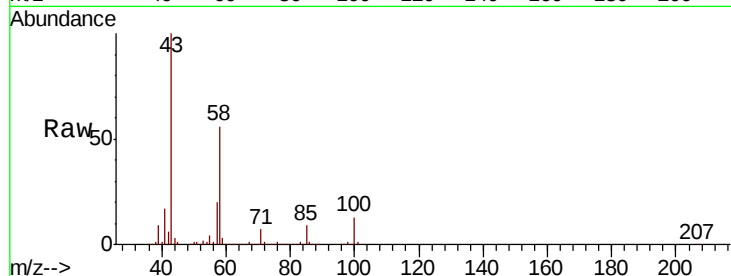
#59
2-Hexanone
Concen: 91.33 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.7	45.5	68.3
57	19.5	15.2	22.8

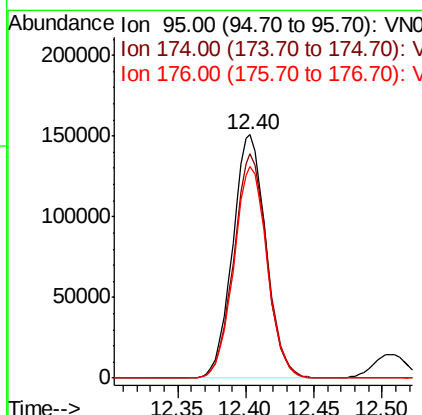
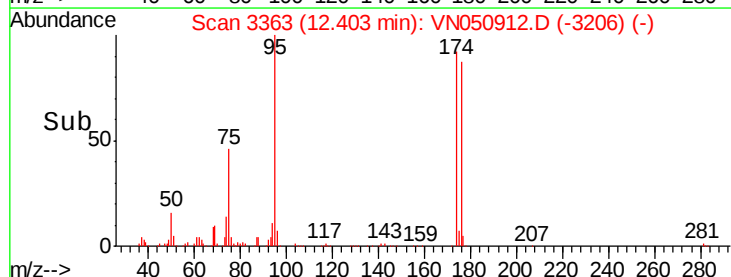
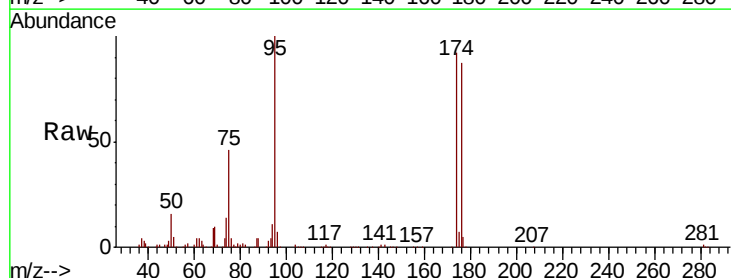
Manual Integrations
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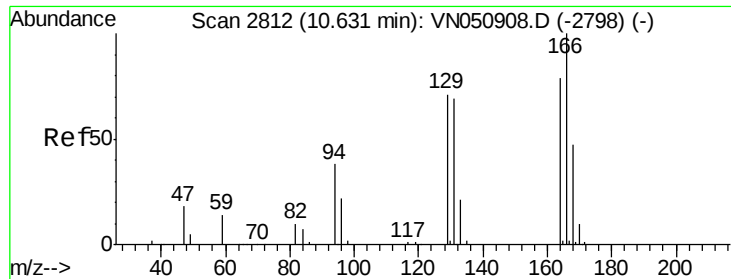
MMDadoda
8/29/2018 11:10:10 AM



#60
4-Bromofluorobenzene
Concen: 29.28 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.3	74.6	112.0
176	87.4	71.5	107.3





#61

Tetrachloroethene

Concen: 20.50 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

Tot Ion:164 Resp: 149416

Ion Ratio Lower Upper

164 100

166 125.6 100.6 151.0

129 92.2 71.0 106.6

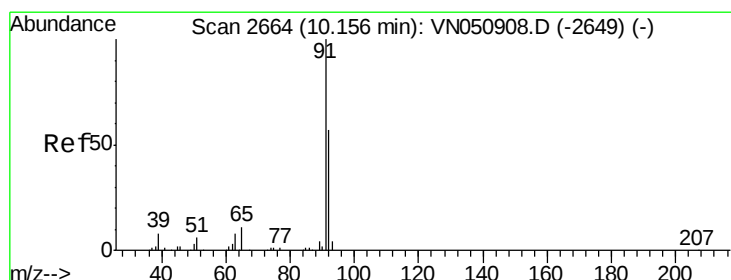
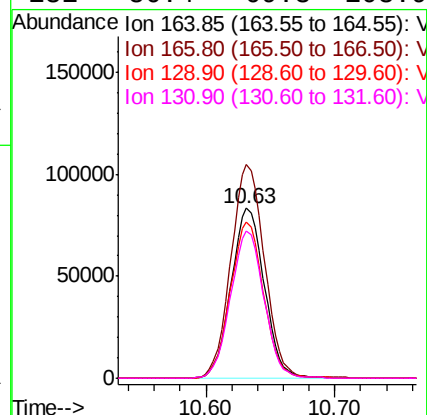
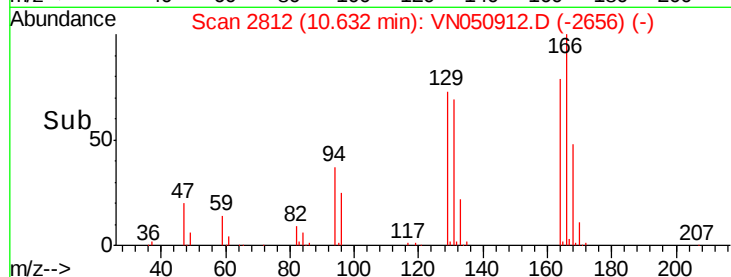
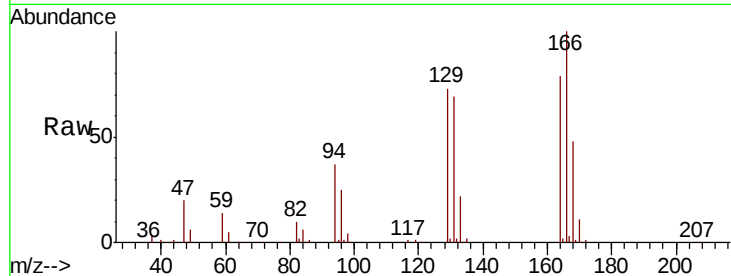
131 86.4 69.3 103.9

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#62

Toluene

Concen: 20.10 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050912.D

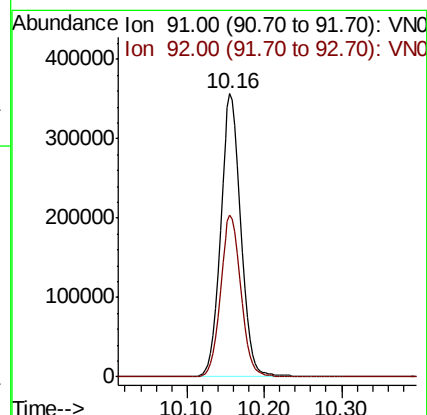
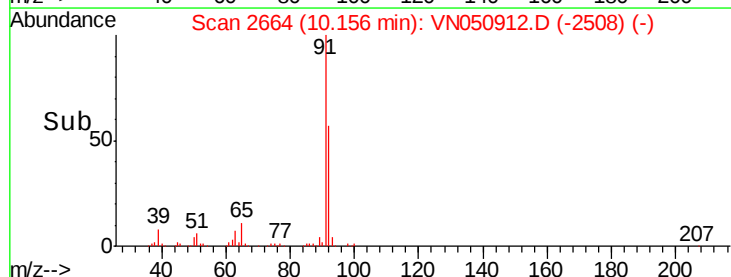
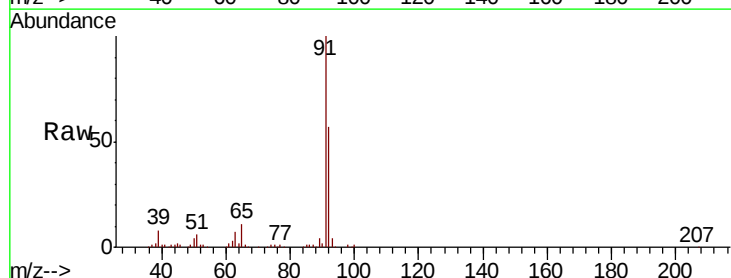
Acq: 28 Aug 2018 14:18

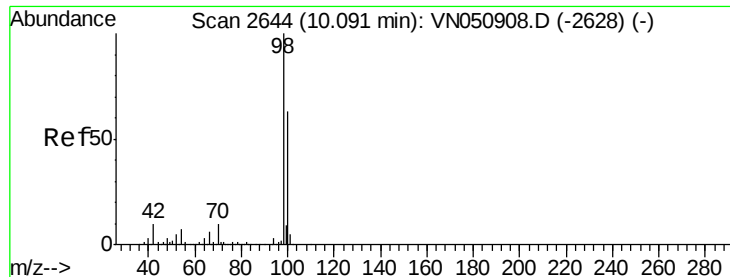
Tgt Ion: 91 Resp: 655698

Ion Ratio Lower Upper

91 100

92 57.5 45.8 68.8





#63

Toluene-d8

Concen: 30.78 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

Tot Ion: 98 Resp: 839630

Ion Ratio Lower Upper

98 100

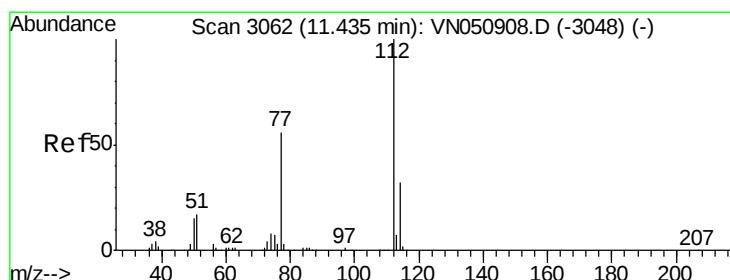
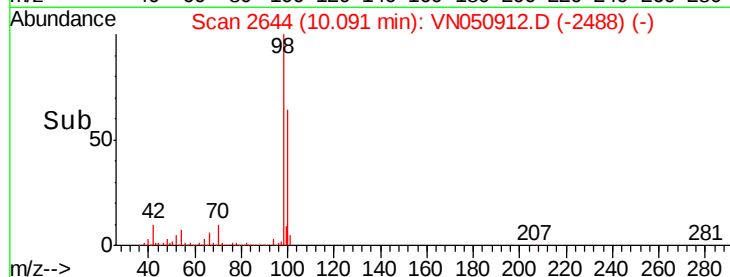
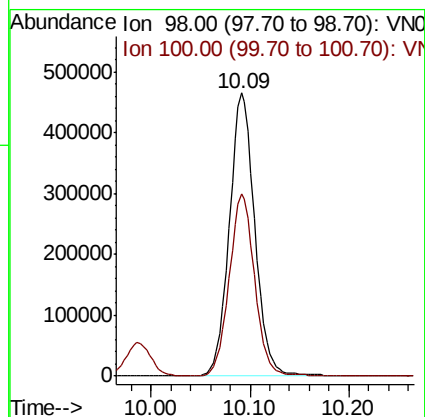
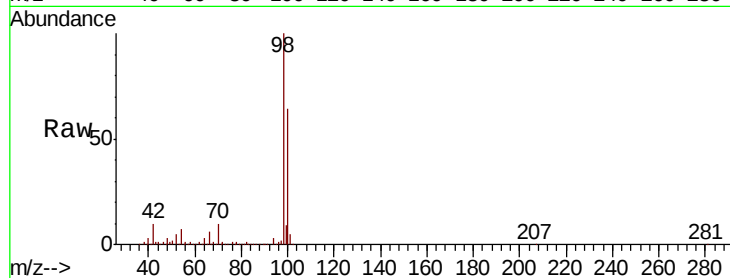
100 64.4 50.6 75.8

Manual Integrations

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#64

Chlorobenzene

Concen: 19.87 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050912.D

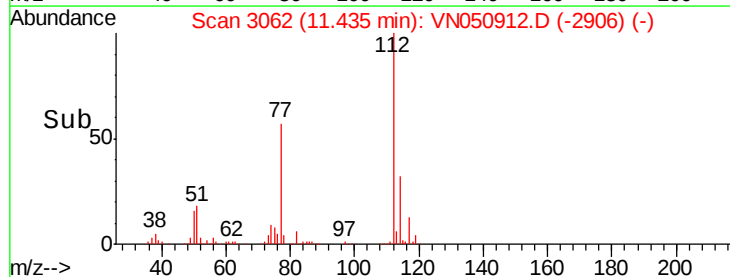
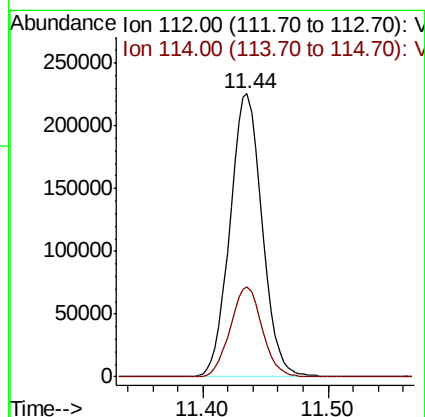
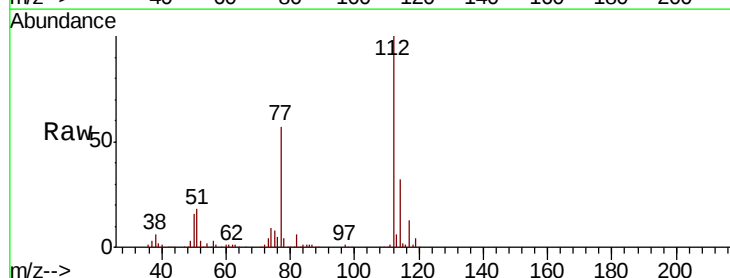
Acq: 28 Aug 2018 14:18

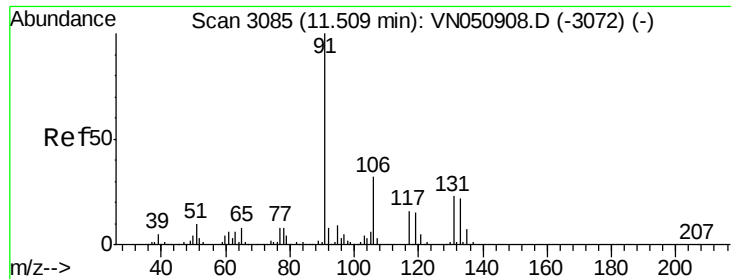
Tgt Ion: 112 Resp: 401773

Ion Ratio Lower Upper

112 100

114 31.8 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.24 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

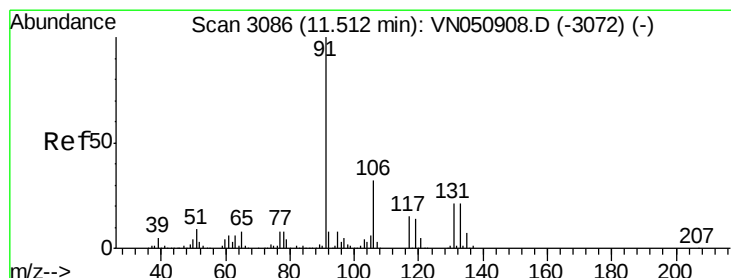
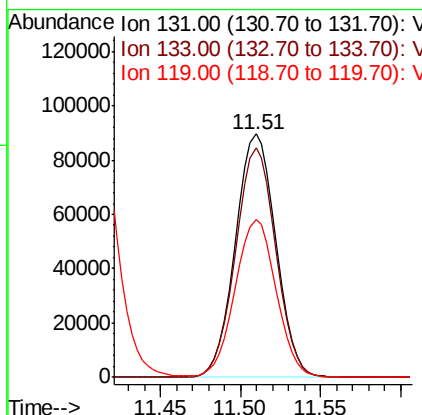
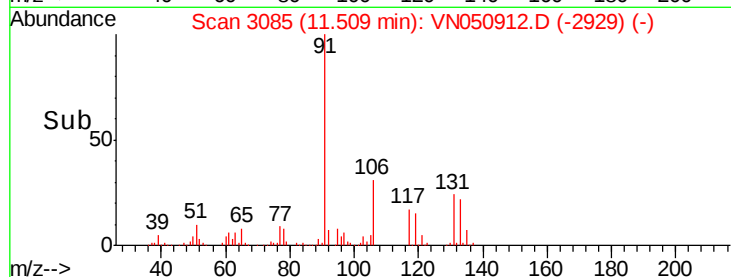
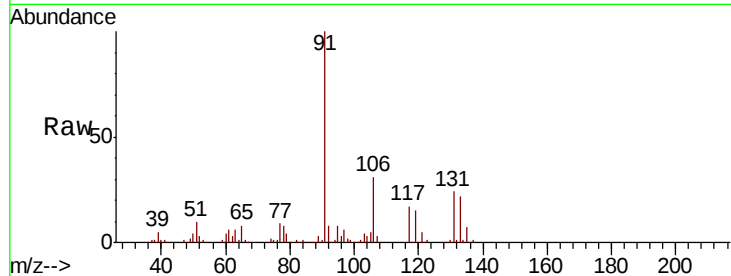
ClientSampleId :

VSTDICV020

Tot Ion:	131	Resp:	154534
Ion Ratio	Lower	Upper	
131	100		
133	93.7	0.0	189.4
119	65.8	0.0	132.2

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#66

Ethyl Benzene

Concen: 19.52 ug/l

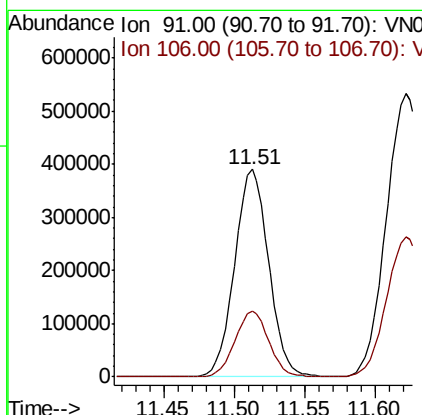
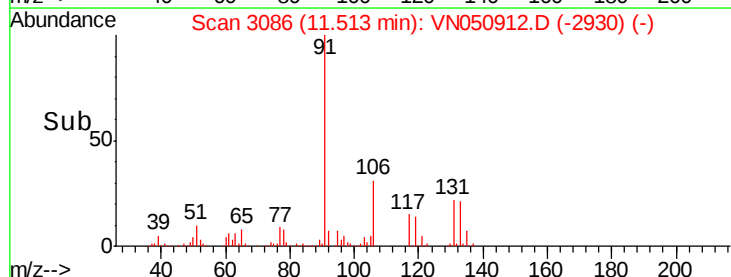
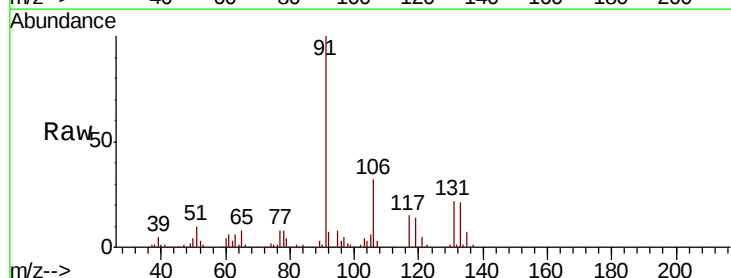
RT: 11.51 min Scan# 3086

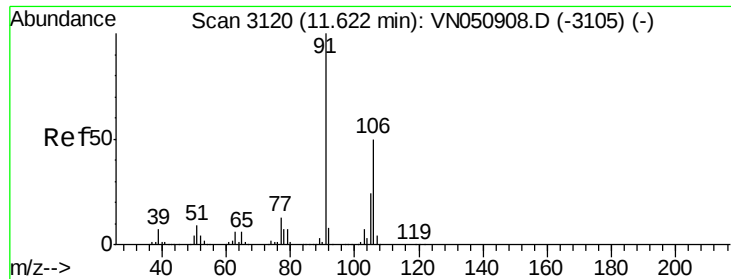
Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Tgt Ion:	91	Resp:	659632
Ion Ratio	Lower	Upper	
91	100		
106	31.7	25.7	38.5





#67

m/p-Xylenes

Concen: 39.72 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampled :

VSTDICV020

Tot Ion:106 Resp: 516470

Ion Ratio Lower Upper

106 100

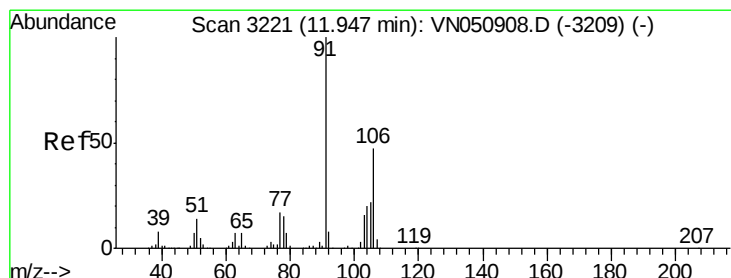
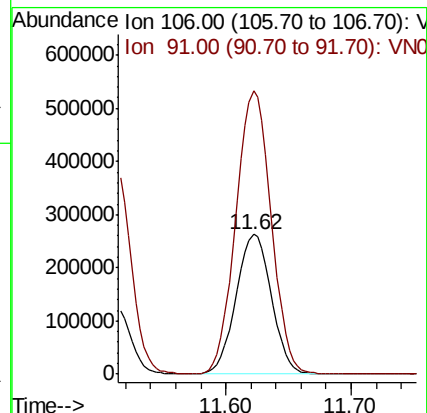
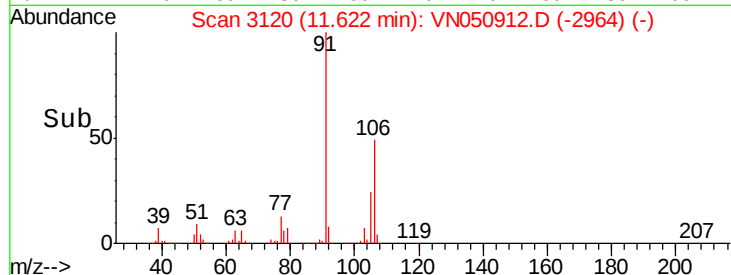
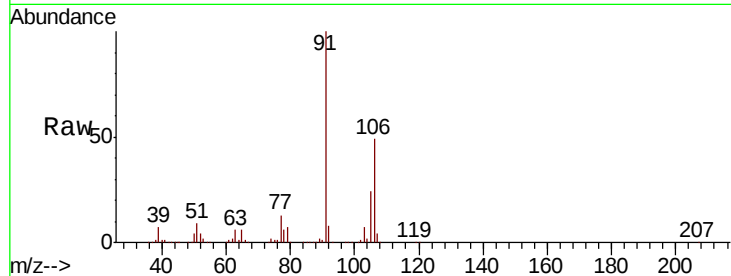
91 201.8 160.6 241.0

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#68

o-Xylene

Concen: 19.82 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050912.D

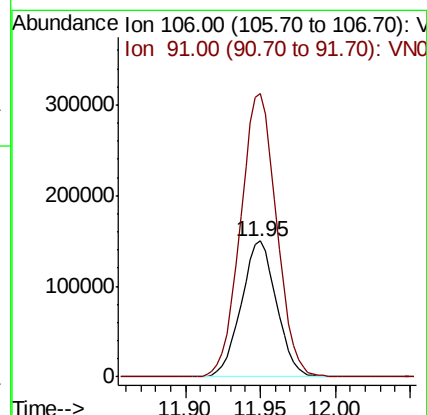
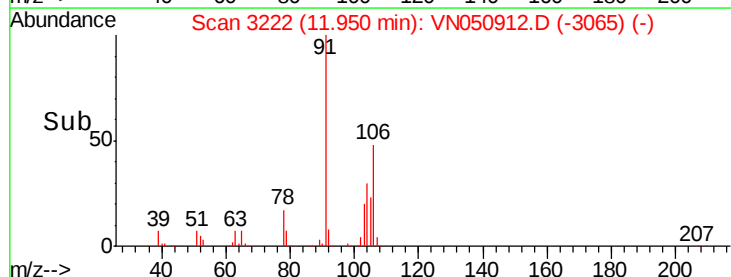
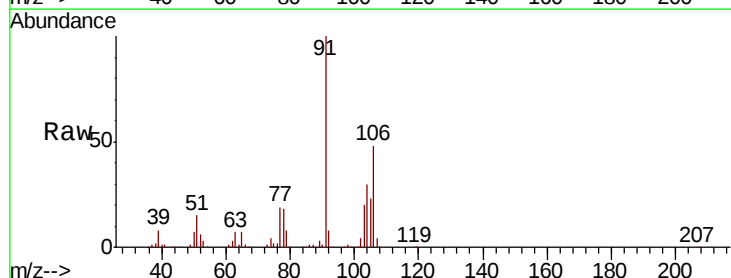
Acq: 28 Aug 2018 14:18

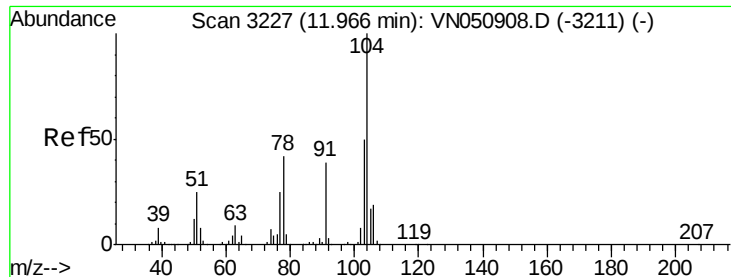
Tgt Ion:106 Resp: 246310

Ion Ratio Lower Upper

106 100

91 212.9 106.4 319.2





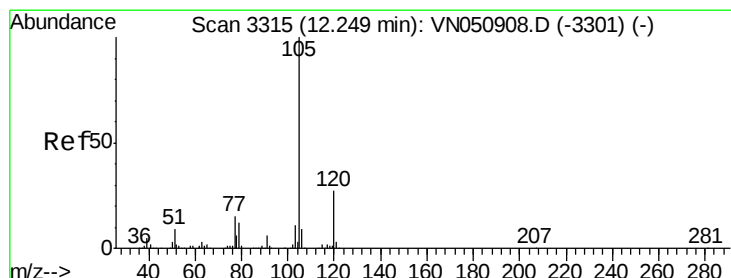
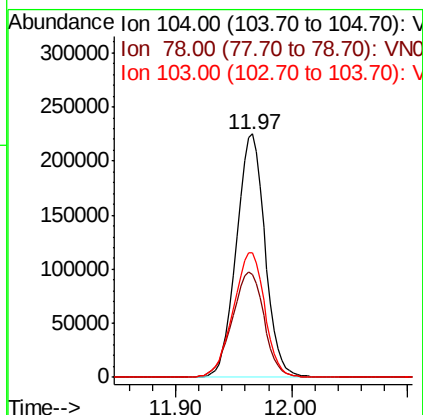
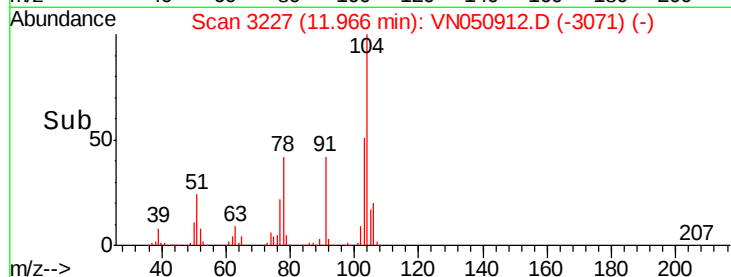
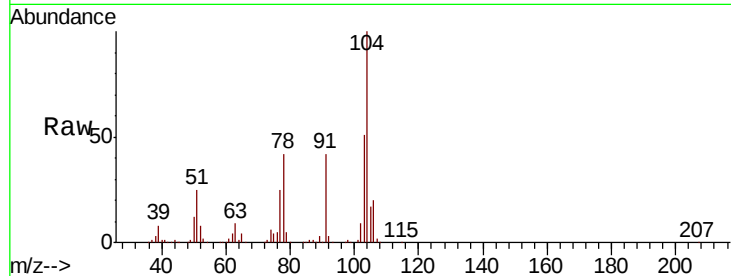
#69
Stvrene
Concen: 19.48 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	384856		
78	48.5		38.6	58.0
103	56.7		45.4	68.2

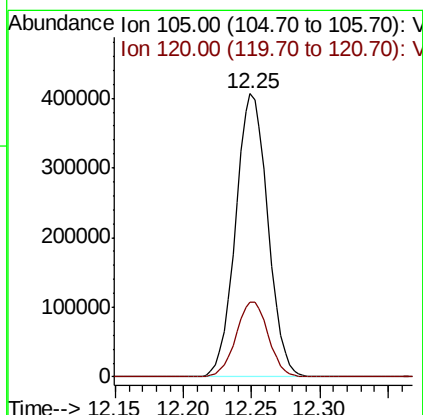
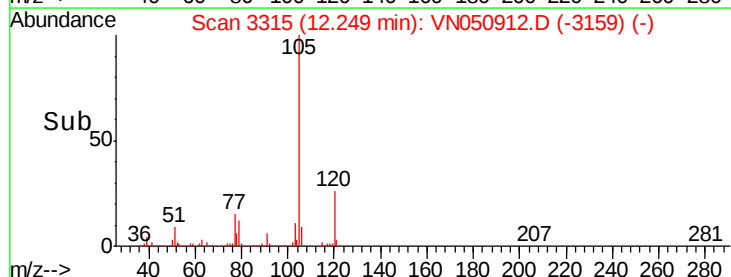
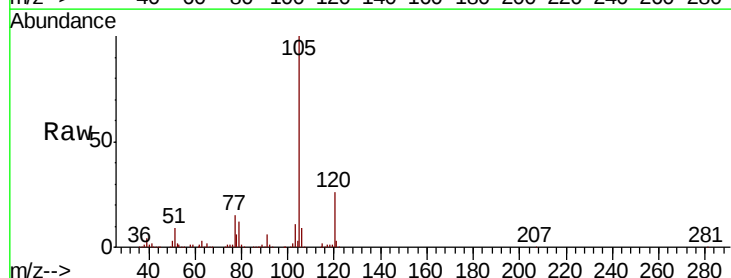
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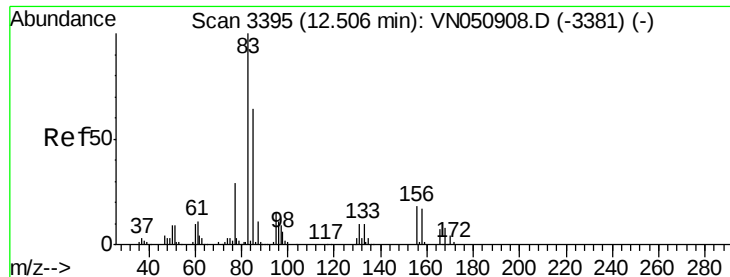
MMDadoda
8/29/2018 11:10:10 AM



#70
Isopropylbenzene
Concen: 20.13 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	664795		
120	26.5		18.6	34.6





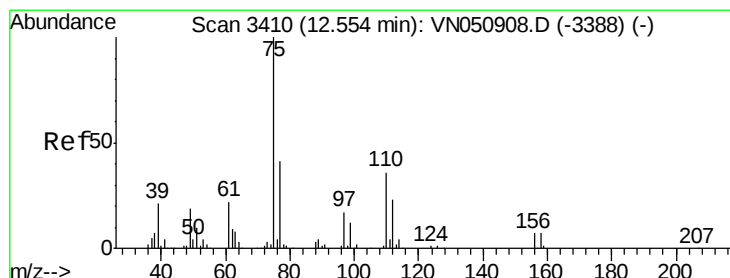
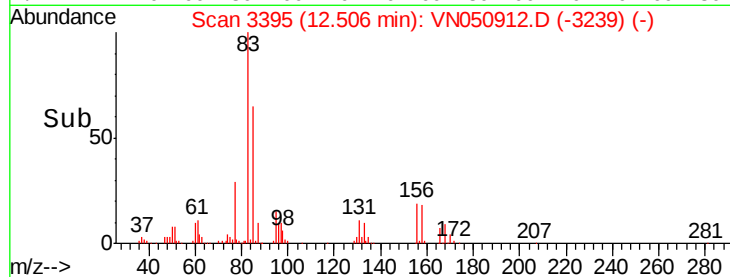
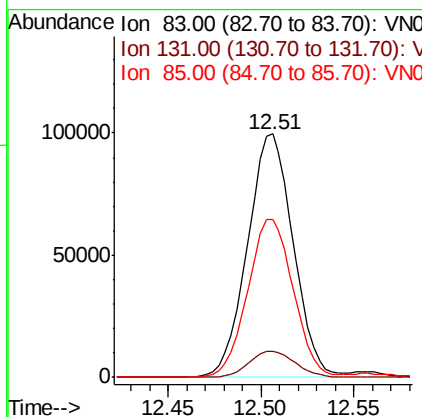
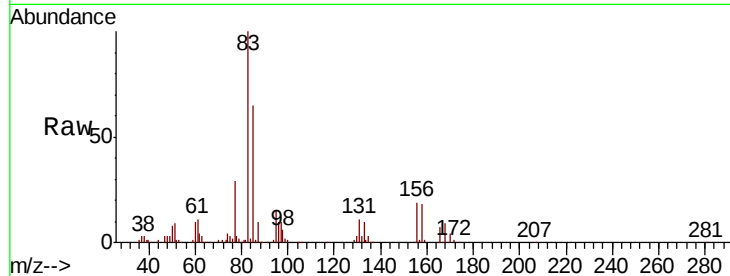
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.12 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Tot Ion	83	Resp	170923
Ion Ratio	100	Lower	Upper
83	100		
131	10.9	5.3	15.9
85	65.0	32.3	96.9

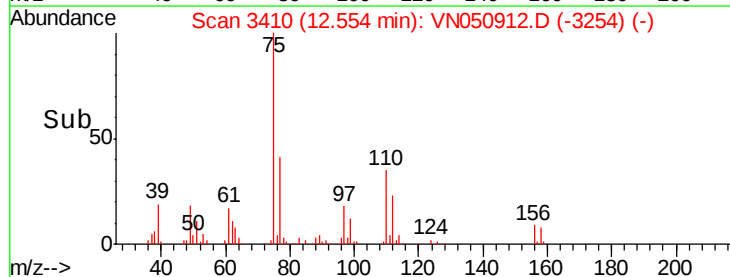
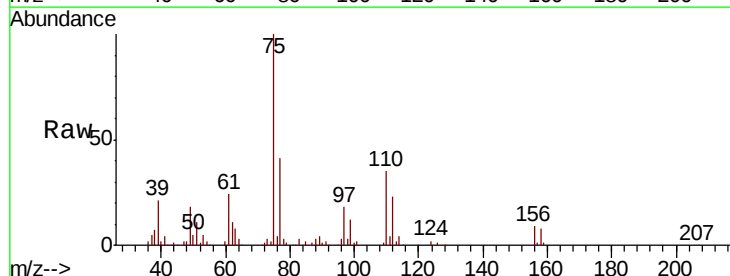
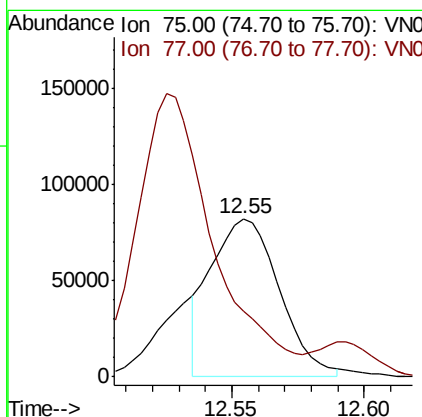
Manual Integrations
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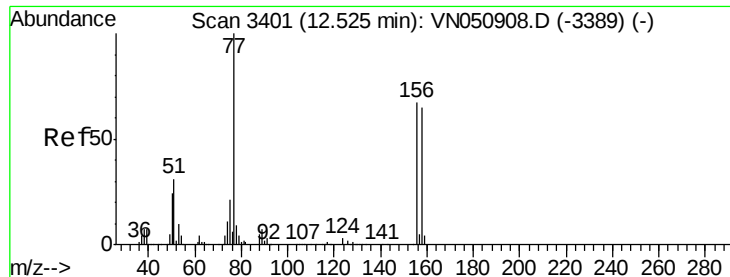
MMDadoda
 8/29/2018 11:10:10 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.26 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion	75	Resp	148543
Ion Ratio	100	Lower	Upper
75	100		
77	201.2	0.0	301.6





#73

Bromobenzene

Concen: 19.31 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

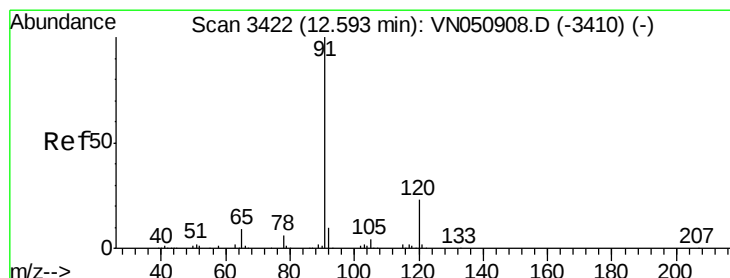
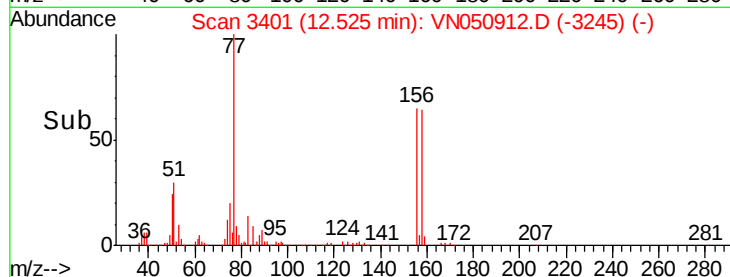
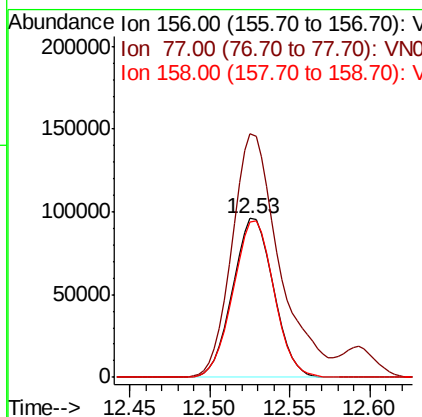
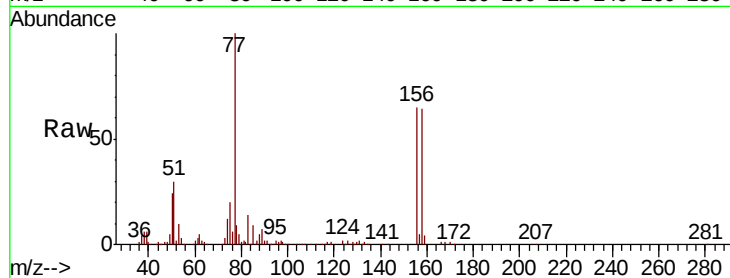
ClientSampleId :

VSTDICV020

Tot Ion:	156	Resp:	167758
Ion Ratio	Lower	Upper	
156	100		
77	178.2	0.0	359.4
158	98.2	0.0	194.6

Manual Integrations
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8/29/2018 11:10:10 AM



#74

n-propylbenzene

Concen: 19.88 ug/l

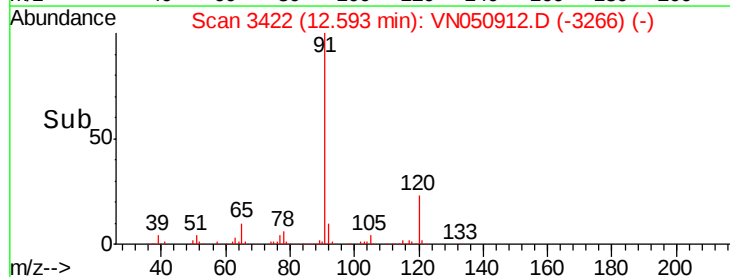
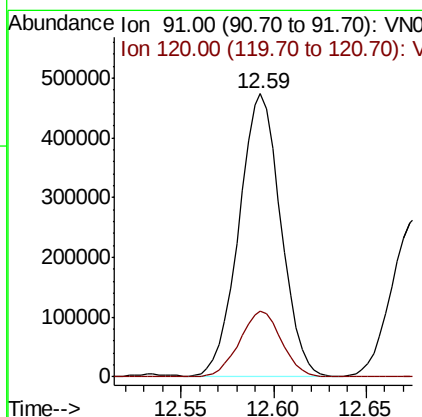
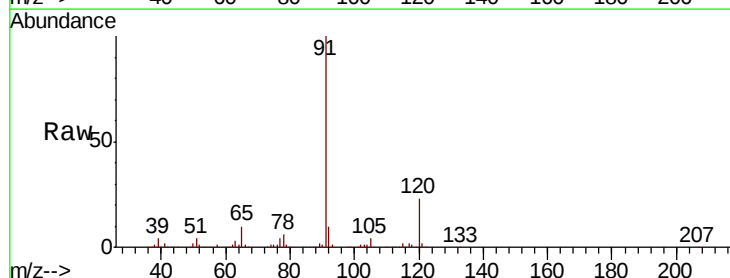
RT: 12.59 min Scan# 3422

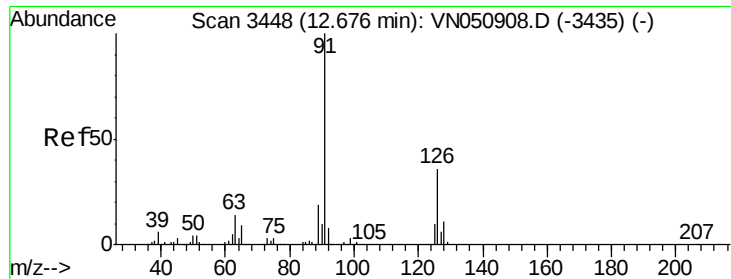
Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Tgt Ion:	91	Resp:	741972
Ion Ratio	Lower	Upper	
91	100		
120	23.2	0.0	46.0





#75

2-Chlorotoluene

Concen: 19.82 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampled :

VSTDICV020

Tot Ion: 91 Resp: 449545

Ion Ratio Lower Upper

91 100

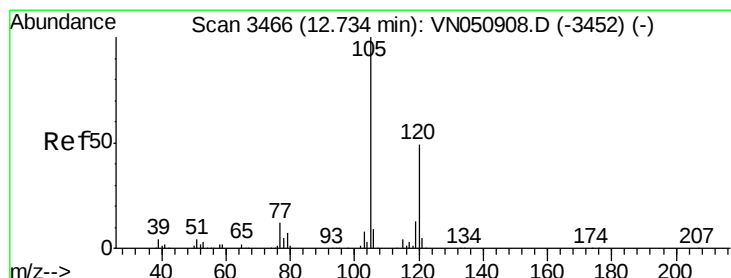
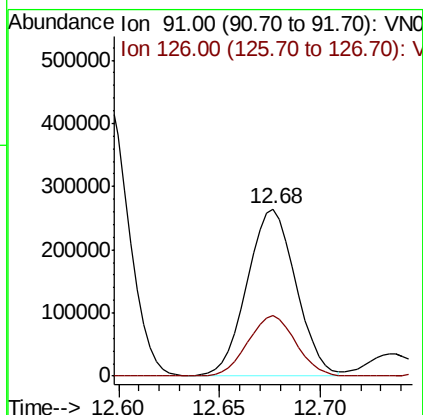
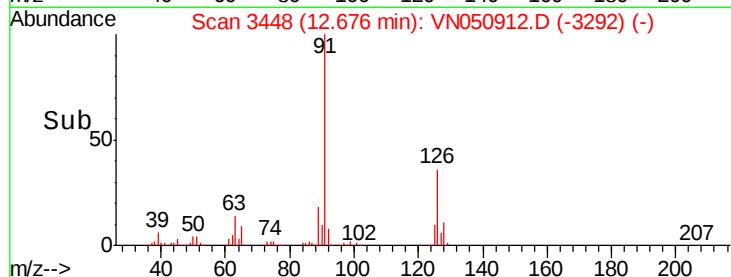
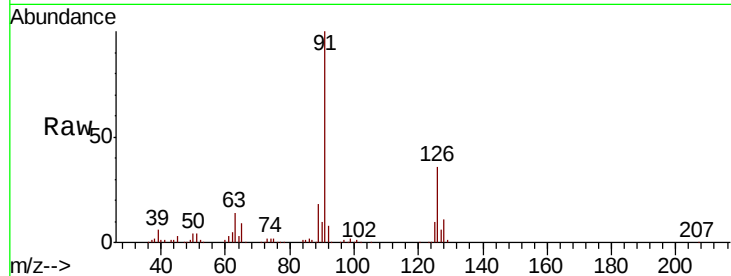
126 35.7 0.0 71.8

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#76

1,3,5-Trimethylbenzene

Concen: 20.03 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050912.D

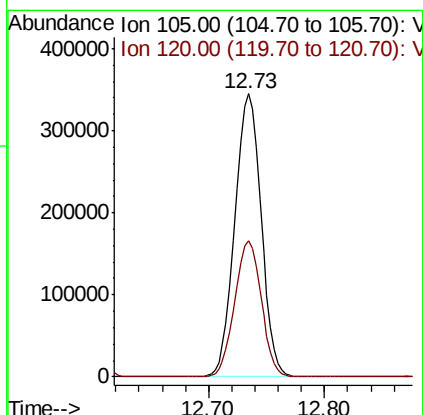
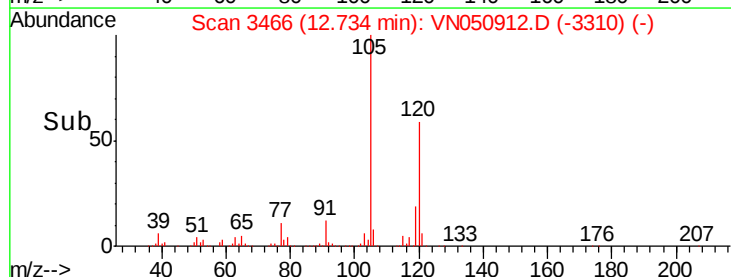
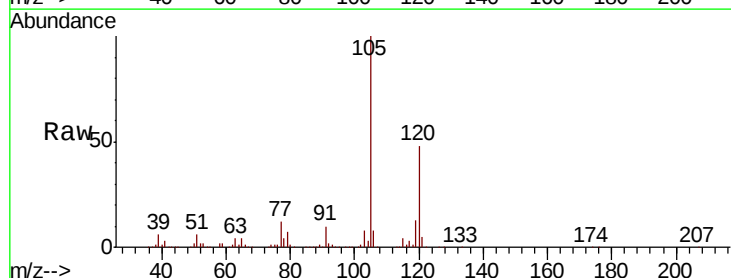
Acq: 28 Aug 2018 14:18

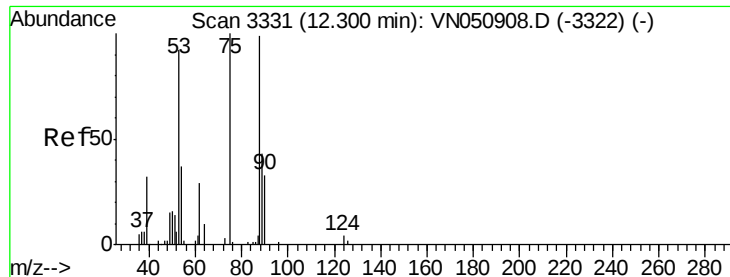
Tgt Ion: 105 Resp: 540493

Ion Ratio Lower Upper

105 100

120 48.6 0.0 99.6





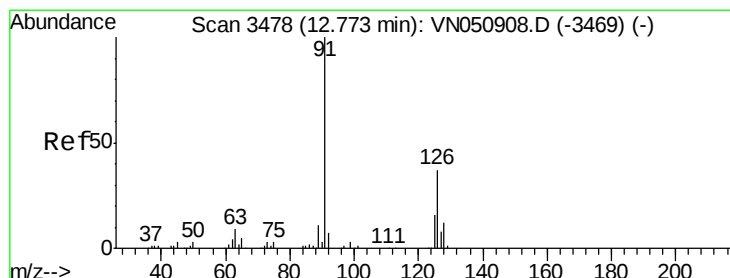
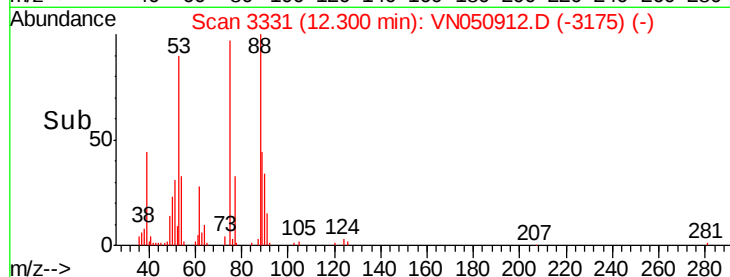
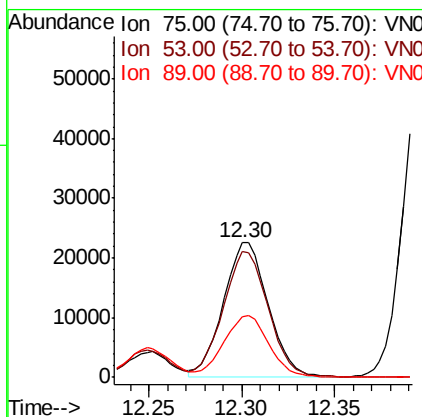
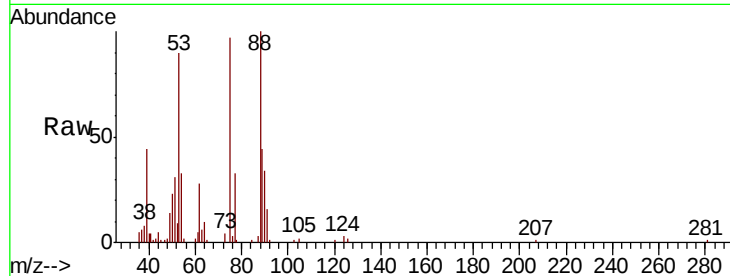
#77
t-1,4-Dichloro-2-butene
Concen: 17.39 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampled :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.2	45.5	136.4
89	44.7	21.9	65.8

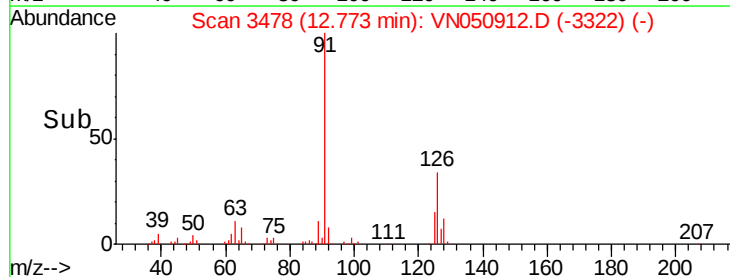
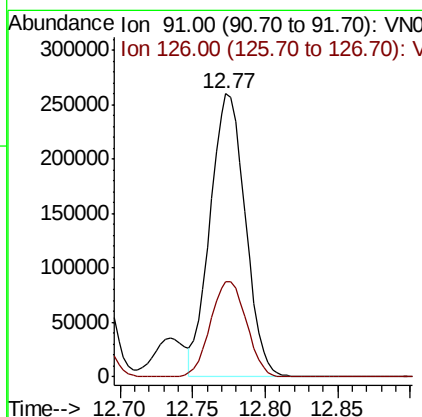
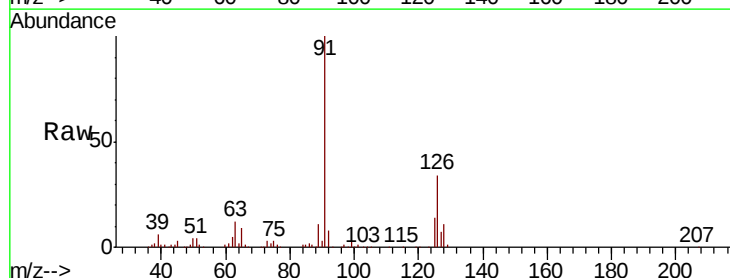
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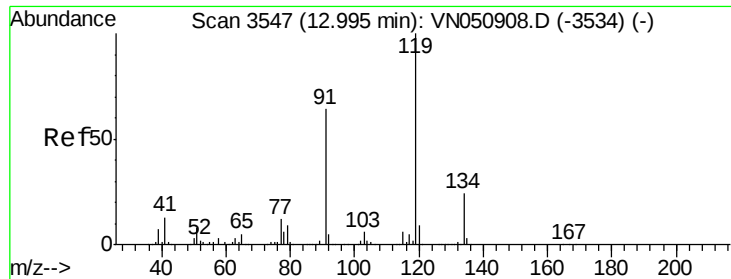
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#78
4-Chlorotoluene
Concen: 19.59 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	69.8





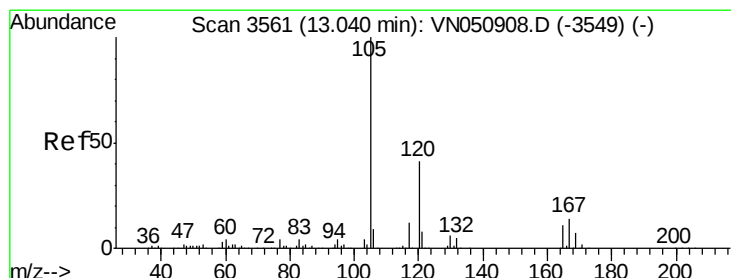
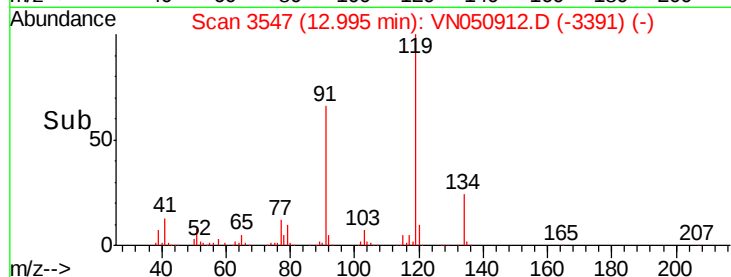
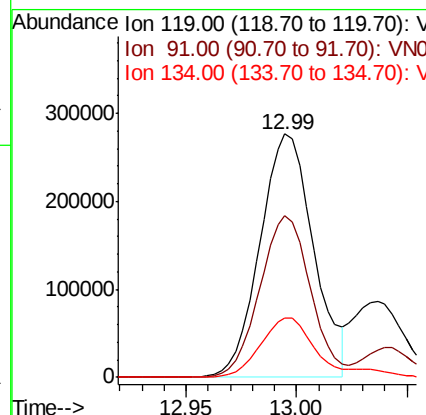
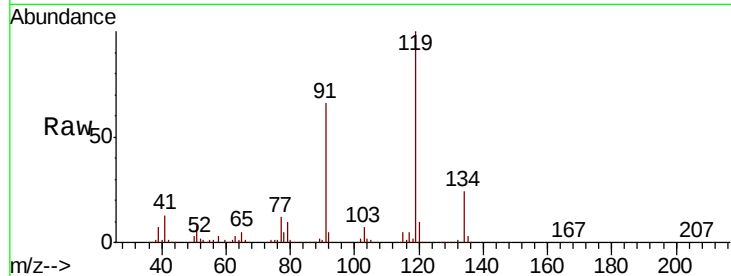
#79
tert-butylbenzene
Concen: 19.89 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampled :
VSTDICV020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	466046		
91	63.0	0.0	125.6	
134	24.0	0.0	48.4	

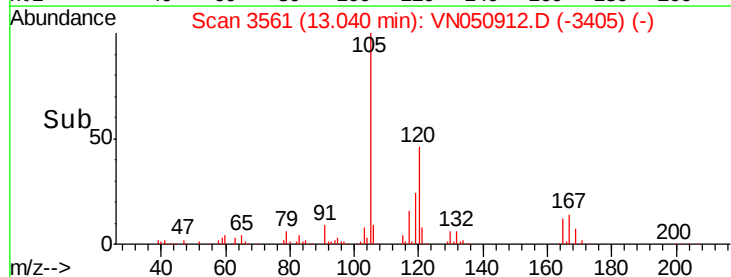
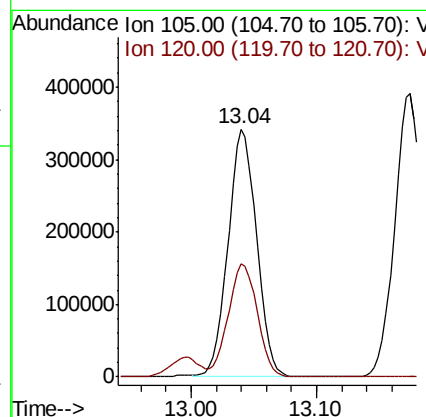
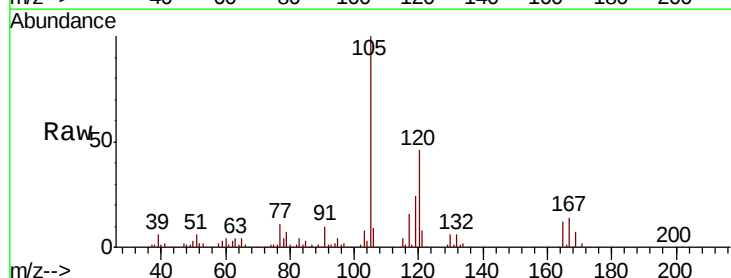
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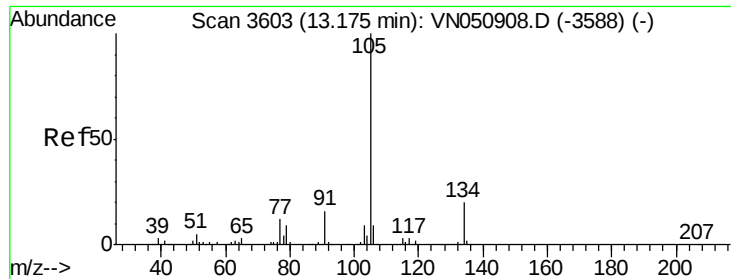
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 20.06 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	539541		
120	46.5	0.0	93.6	





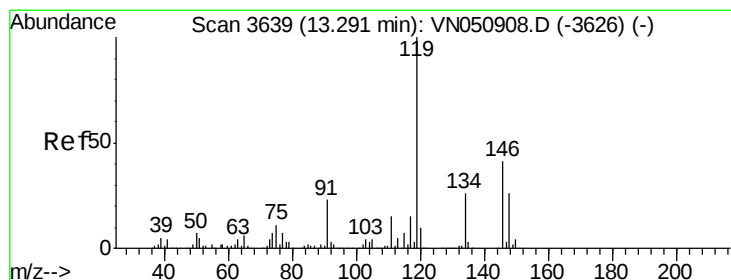
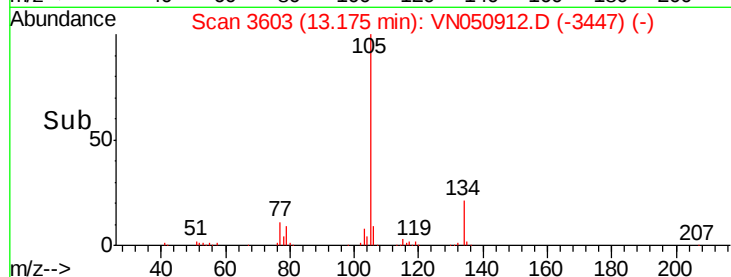
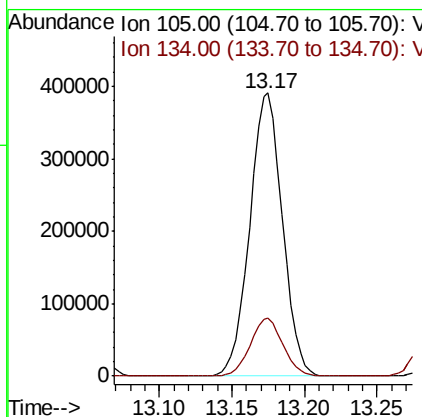
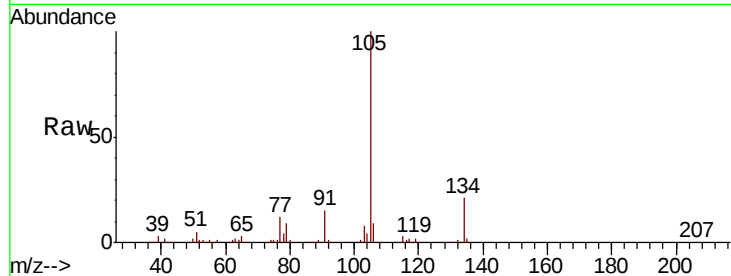
#81
 sec-Butylbenzene
 Concen: 20.01 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICV020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	613535		
134	20.5	0.0	40.8	

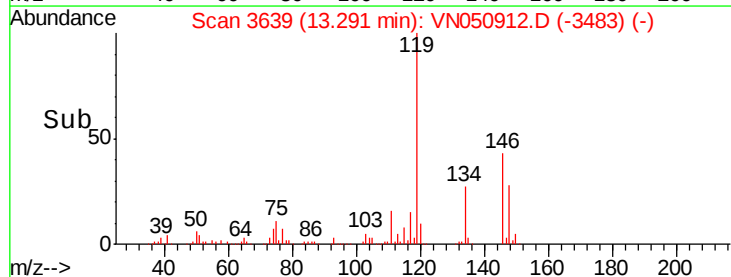
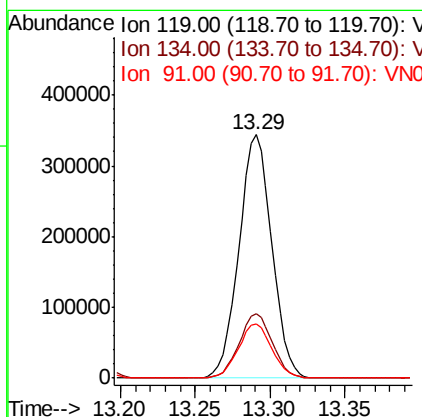
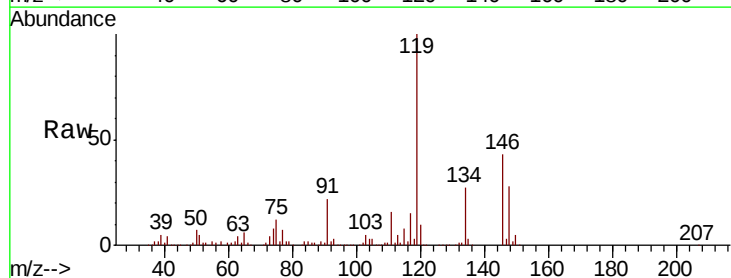
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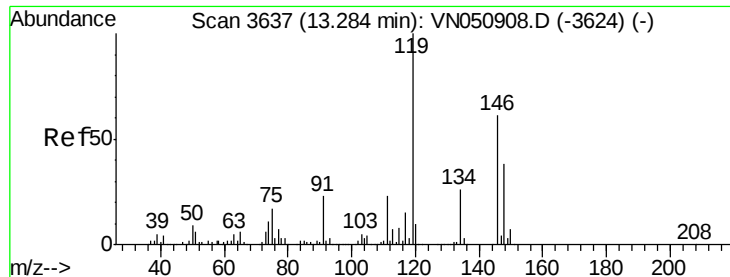
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#82
 p-Isopropyltoluene
 Concen: 19.84 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	525148		
134	26.7	0.0	53.2	
91	22.7	0.0	46.0	





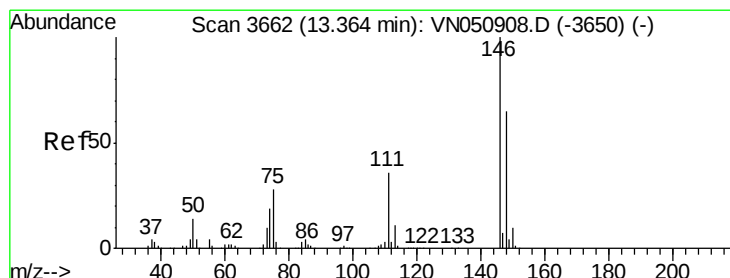
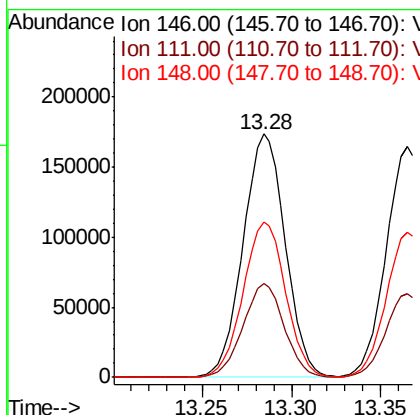
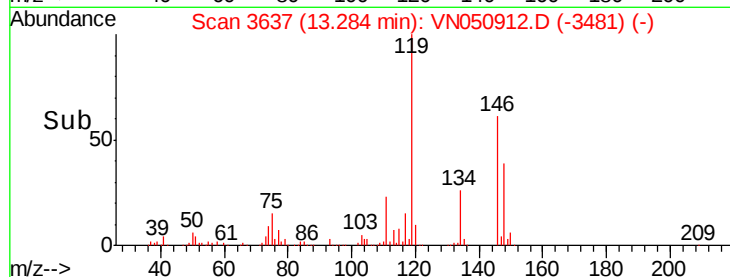
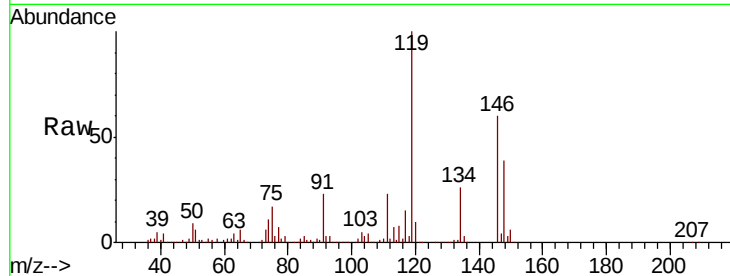
#83
 1,3-Dichlorobenzene
 Concen: 19.52 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	286665		
111	37.6	18.6	55.6	
148	64.4	31.8	95.3	

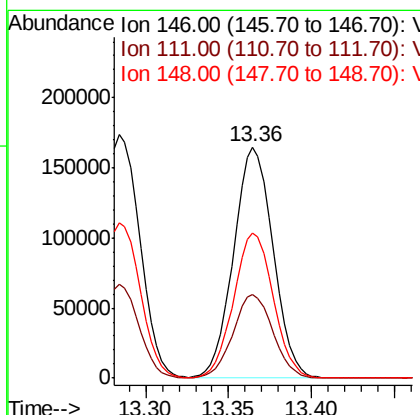
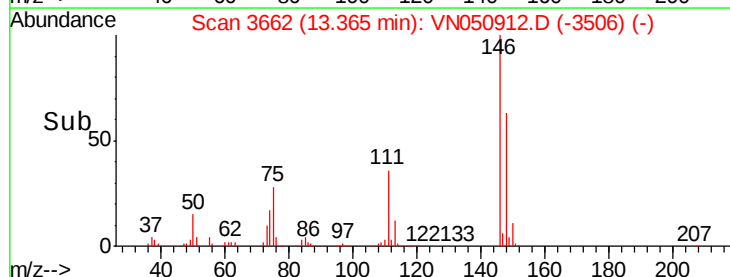
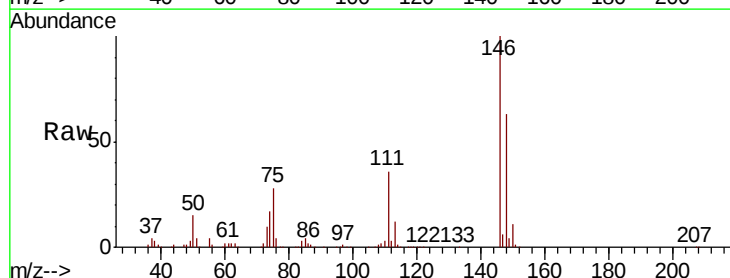
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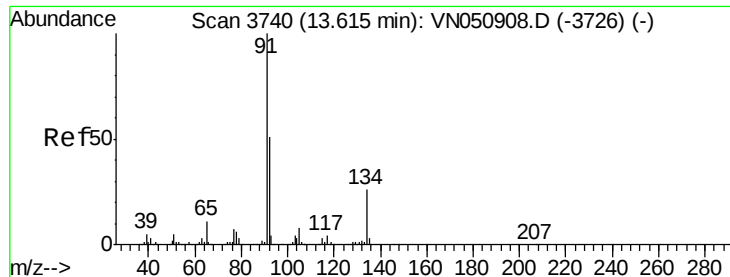
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 19.65 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	273390		
111	36.5	17.7	53.1	
148	62.9	31.6	94.8	





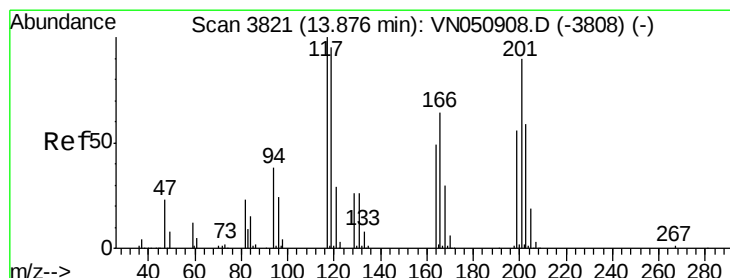
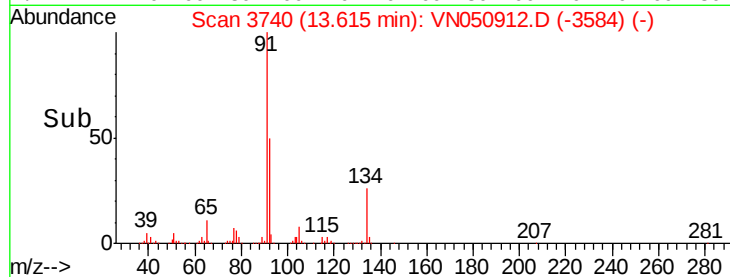
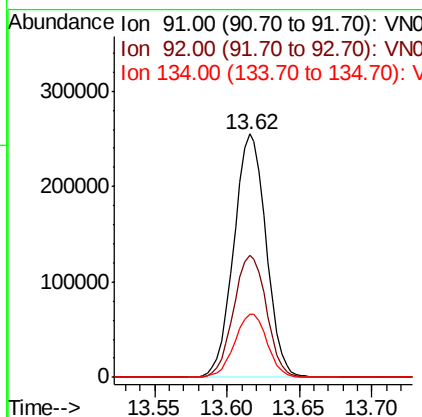
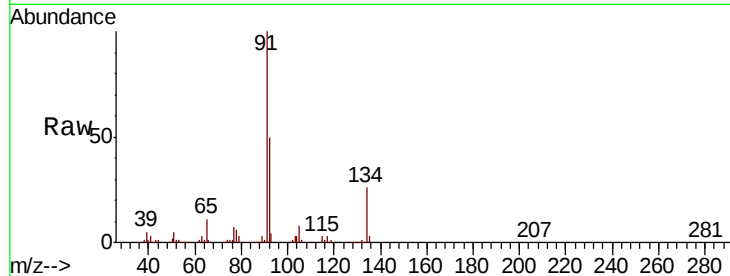
#85
n-Butylbenzene
Concen: 19.46 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.1	0.0	101.8	
134	26.3	0.0	52.2	

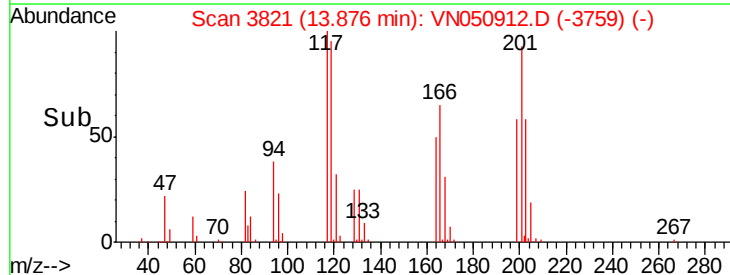
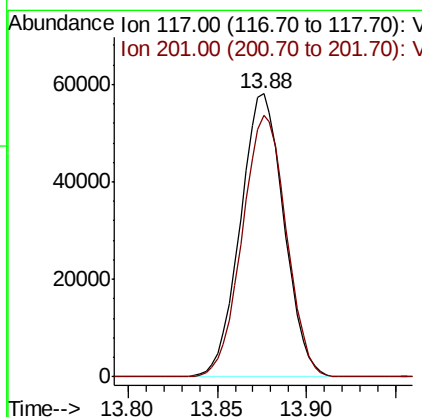
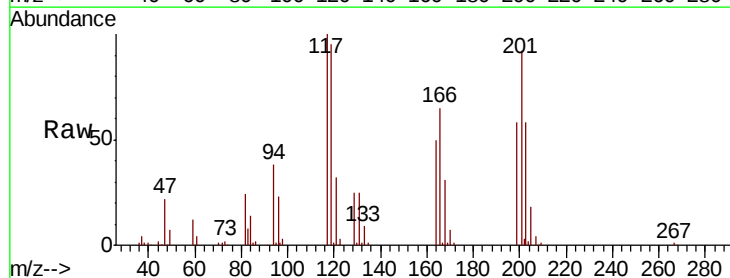
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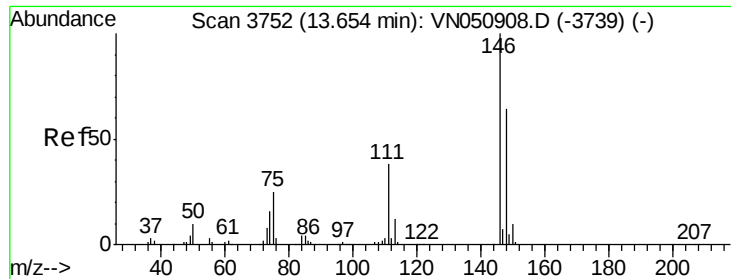
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#86
Hexachloroethane
Concen: 19.53 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	93.0	45.8	137.4	





#87

1,2-Dichlorobenzene

Concen: 19.65 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

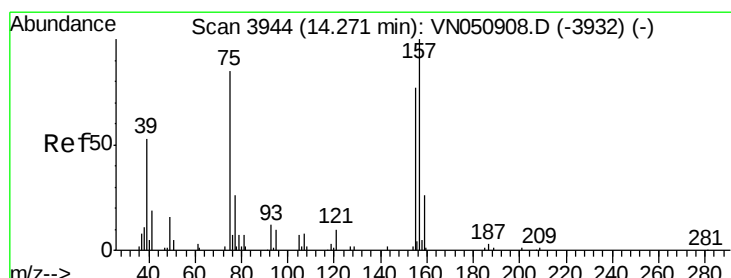
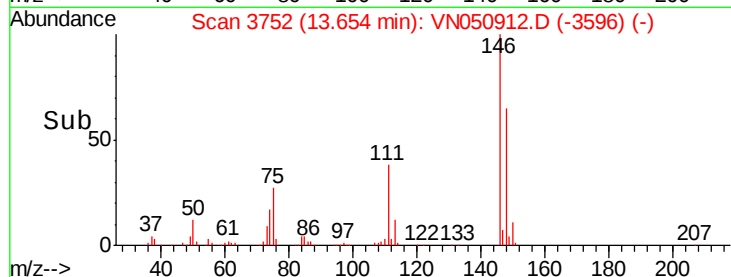
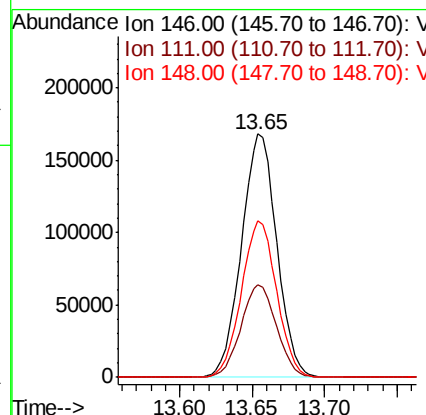
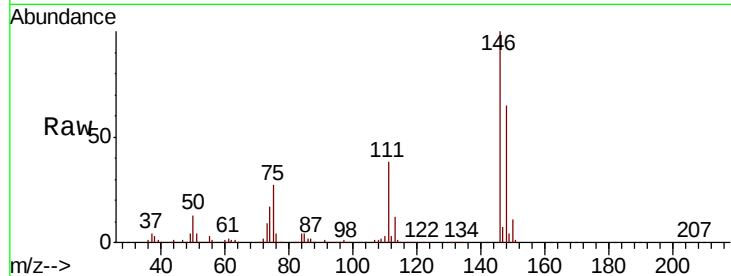
ClientSampleId :

VSTDICV020

Tot Ion:	146	Resp:	284059
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.1	57.1
148	64.2	31.9	95.9

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#88

1,2-Dibromo-3-Chloropropane

Concen: 19.08 ug/l

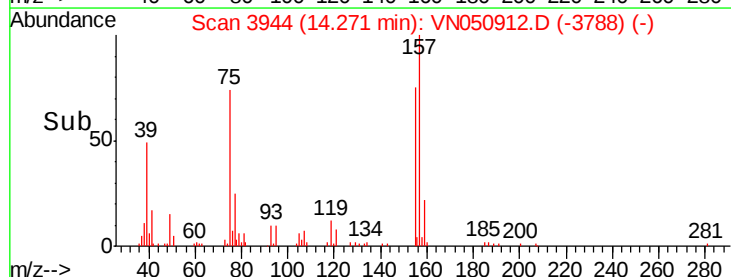
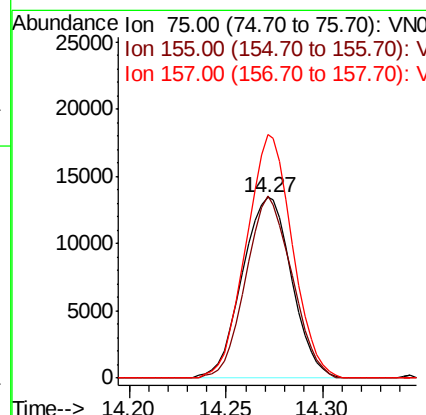
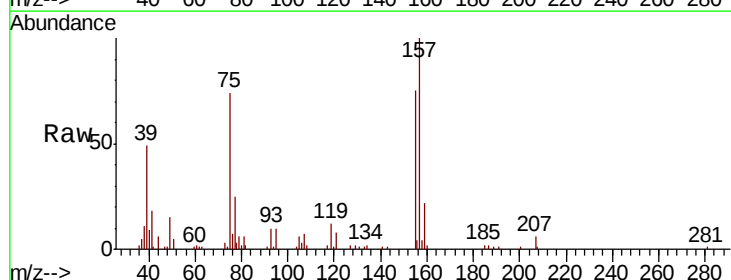
RT: 14.27 min Scan# 3944

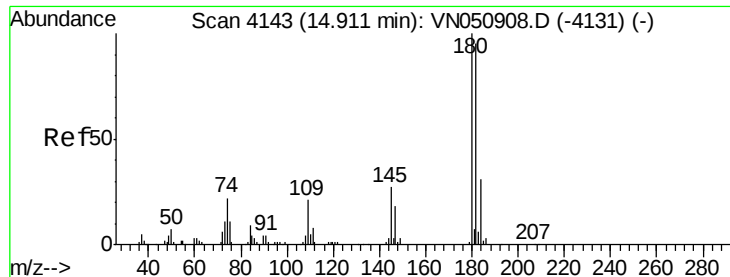
Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Tgt Ion:	75	Resp:	23857
Ion Ratio	Lower	Upper	
75	100		
155	93.7	71.8	107.6
157	126.1	91.1	136.7





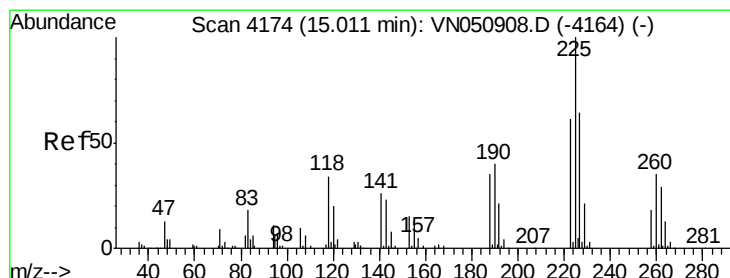
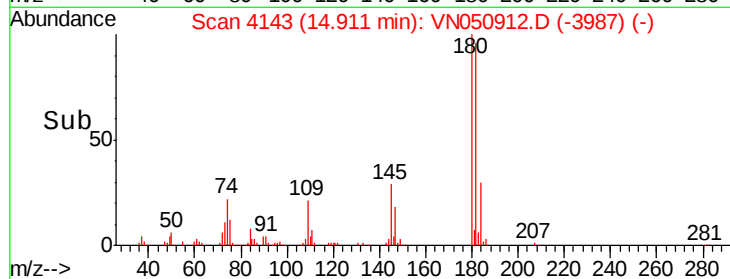
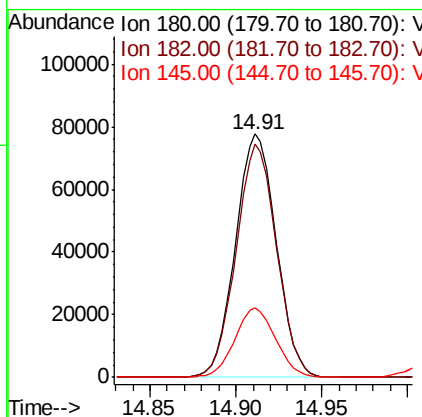
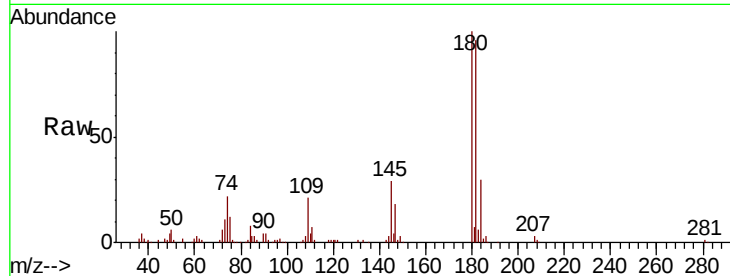
#89
 1,2,4-Trichlorobenzene
 Concen: 19.87 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	127895		
182	94.8	76.2	114.4	
145	28.6	22.2	33.4	

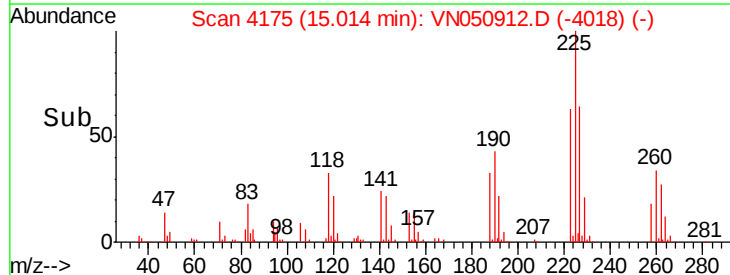
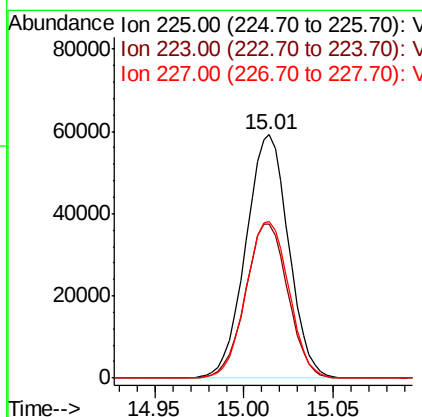
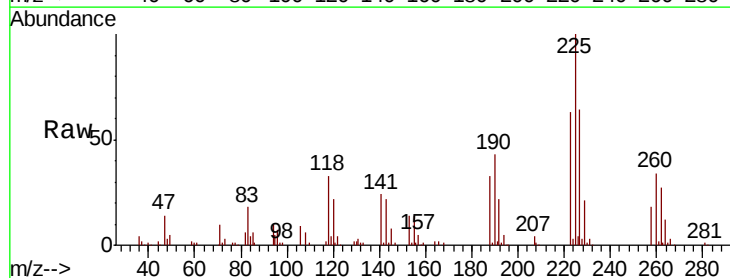
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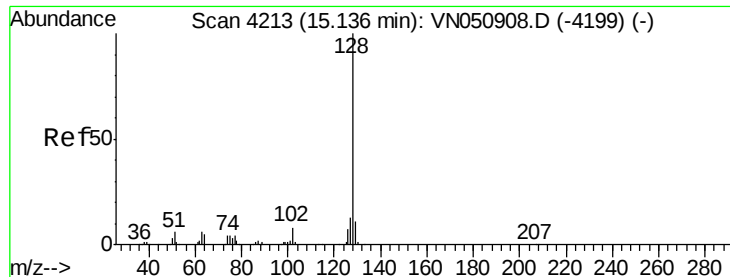
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#90
 Hexachlorobutadiene
 Concen: 22.67 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	99121		
223	62.9	0.0	127.8	
227	64.6	0.0	128.4	





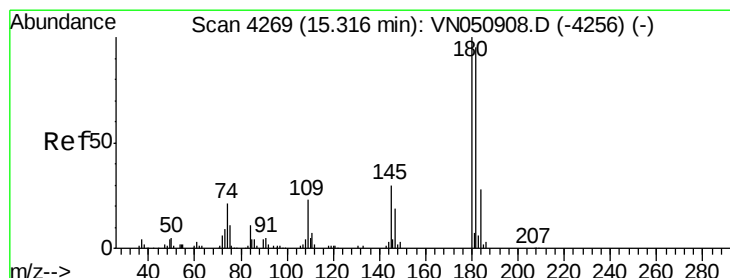
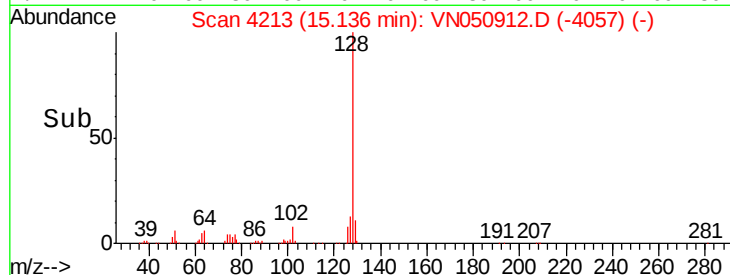
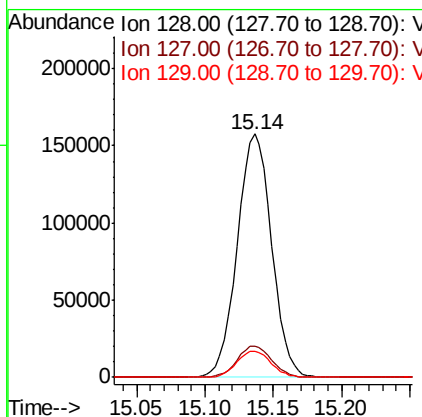
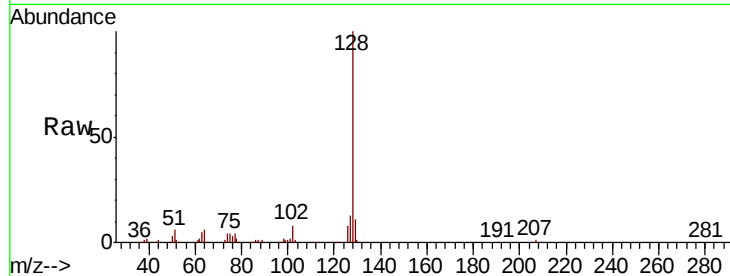
#91
Naphthalene
Concen: 22.23 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.8	8.7	13.1

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#92
1,2,3-Trichlorobenzene
Concen: 21.16 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	0.0	192.8
145	29.8	0.0	60.0

