

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050481.D
 Acq On : 9 Aug 2018 13:22
 Operator : MD\SY
 Sample : VN0809WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/10/2018 10:52:45 AM

Quant Time: Aug 10 04:58:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	764814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1123368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	991914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	493218	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	476275	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
35) Dibromofluoromethane	7.59	113	439772	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	10.09	98	1603271	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
62) 4-Bromofluorobenzene	12.40	95	522765	45.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	158846	18.71	ug/l	99
3) Chloromethane	2.06	50	195395	18.56	ug/l	99
4) Vinyl Chloride	2.18	62	210318	19.14	ug/l	98
5) Bromomethane	2.56	94	114957	21.67	ug/l	100
6) Chloroethane	2.70	64	130500	19.27	ug/l	97
7) Trichlorofluoromethane	3.01	101	280944	19.80	ug/l	98
8) Diethyl Ether	3.41	74	101312	19.47	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	172570	19.68	ug/l	99
10) Methyl Iodide	3.95	142	75346	19.50	ug/l	97
11) Tert butyl alcohol	4.80	59	68705	83.70	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	158589	19.18	ug/l	99
13) Acrolein	3.61	56	57955	66.03	ug/l	100
14) Allyl chloride	4.33	41	245175	18.46	ug/l	98
15) Acrylonitrile	4.99	53	305061	88.72	ug/l	99
16) Acetone	3.82	43	276195	90.40	ug/l	97
17) Carbon Disulfide	4.05	76	464864	17.29	ug/l	99
18) Methyl Acetate	4.33	43	150299	18.86	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	459154	19.56	ug/l	99
20) Methylene Chloride	4.55	84	184375	18.82	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	170511	19.06	ug/l	99
22) Diisopropyl ether	5.96	45	542305	19.99	ug/l	98
23) Vinyl Acetate	5.90	43	1836265	94.88	ug/l	100
24) 1,1-Dichloroethane	5.85	63	322743	19.39	ug/l	99
25) 2-Butanone	6.84	43	445059	87.89	ug/l	97
26) 2,2-Dichloropropane	6.83	77	262114	19.10	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	199938	20.16	ug/l	99
28) Bromochloromethane	7.20	49	140286	18.31	ug/l	95
29) Tetrahydrofuran	7.22	42	231902	85.56	ug/l	98
30) Chloroform	7.37	83	331970	19.95	ug/l	98
31) Cyclohexane	7.66	56	278158	18.59	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	283471	19.84	ug/l	99
36) 1,1-Dichloropropene	7.79	75	244634	19.82	ug/l	99
37) Ethyl Acetate	6.94	43	161259	18.14	ug/l	98
38) Carbon Tetrachloride	7.78	117	248405	19.29	ug/l	99

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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	251661	18.68	ug/l	98
40) Benzene	8.04	78	749365	19.75	ug/l	99
41) Methacrylonitrile	7.18	41	72829	15.41	ug/l	94
42) 1,2-Dichloroethane	8.13	62	236319	19.62	ug/l	99
43) Isopropyl Acetate	8.17	43	281373	18.34	ug/l #	86
44) Trichloroethene	8.84	130	201829	19.79	ug/l	99
45) 1,2-Dichloropropane	9.12	63	194612	19.51	ug/l	100
46) Dibromomethane	9.21	93	116936	18.98	ug/l	95
47) Bromodichloromethane	9.40	83	247253	19.38	ug/l	99
48) Methyl methacrylate	9.20	41	139067	18.08	ug/l	97
49) 1,4-Dioxane	9.20	88	39581	333.89	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	994908	90.03	ug/l	99
52) Toluene	10.16	92	459518	20.16	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	244753	19.10	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	285524	19.97	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	174494	19.61	ug/l	99
56) Ethyl methacrylate	10.43	69	212220	17.99	ug/l	98
57) 1,3-Dichloropropane	10.71	76	286446	19.61	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	481397	86.98	ug/l	99
59) 2-Hexanone	10.75	43	657793	85.29	ug/l	98
60) Dibromochloromethane	10.90	129	190335	19.42	ug/l	99
61) 1,2-Dibromoethane	11.01	107	168906	19.26	ug/l	99
64) Tetrachloroethene	10.63	164	190100	20.51	ug/l	99
65) Chlorobenzene	11.44	112	500141	20.11	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	188862	20.87	ug/l	99
67) Ethyl Benzene	11.51	91	830158	20.65	ug/l	100
68) m/p-Xylenes	11.62	106	645908	42.21	ug/l	100
69) o-Xylene	11.95	106	311252	21.11	ug/l	99
70) Styrene	11.97	104	498630	20.80	ug/l	100
71) Bromoform	12.13	173	127755	19.31	ug/l #	98
73) Isopropylbenzene	12.25	105	813722	21.98	ug/l	99
74) N-amyl acetate	12.07	43	223111	18.59	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	212824	19.92	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	163114m	18.27	ug/l	
77) Bromobenzene	12.53	156	213874	21.56	ug/l	98
78) n-propylbenzene	12.59	91	902442	21.53	ug/l	100
79) 2-Chlorotoluene	12.68	91	560631	21.66	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	667817	22.22	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	47991	18.89	ug/l	97
82) 4-Chlorotoluene	12.77	91	562592	21.80	ug/l	99
83) tert-Butylbenzene	12.99	119	568049	21.67	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	678436	22.28	ug/l	99
85) sec-Butylbenzene	13.17	105	733813	21.00	ug/l	100
86) p-Isopropyltoluene	13.29	119	631209	21.08	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	362746	20.53	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	354950	20.12	ug/l	98
89) n-Butylbenzene	13.62	91	483953	18.98	ug/l	99
90) Hexachloroethane	13.88	117	105680	19.84	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	356458	20.13	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31526	17.38	ug/l	98

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ClientSampleId :
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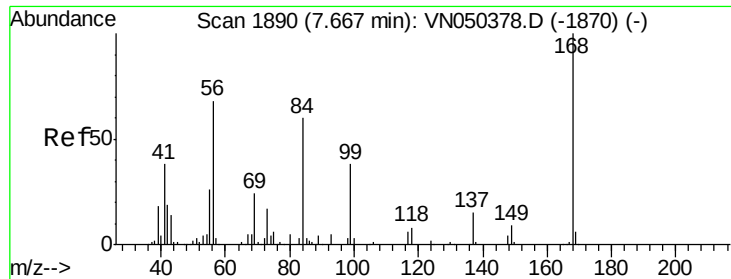
Manual Integrations
APPROVED

MMDadoda
8/10/2018 10:52:45 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	165423	18.34	ug/l	99
94) Hexachlorobutadiene	15.01	225	105367	20.41	ug/l	99
95) Naphthalene	15.14	128	360285	17.61	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	160623	17.61	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

Tot Ion:168 Resp: 764814

Ion Ratio Lower Upper

168 100

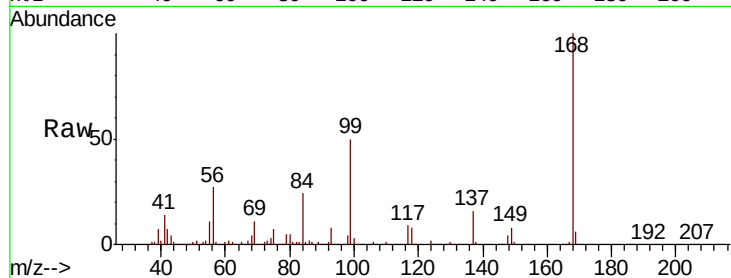
99 50.0 40.0 60.0

Manual Integrations

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8/10/2018 10:52:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

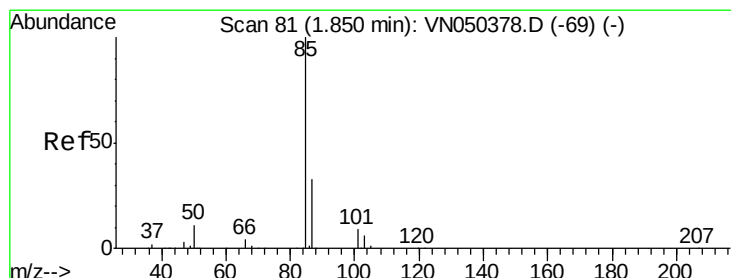
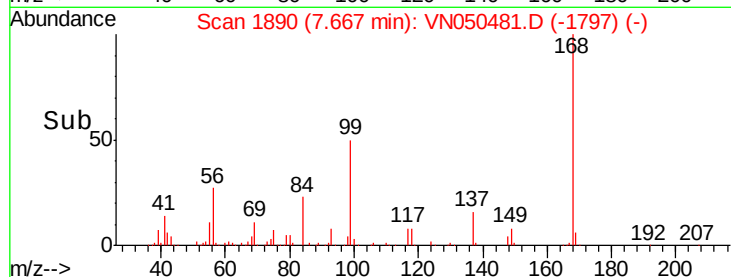
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.71 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050481.D

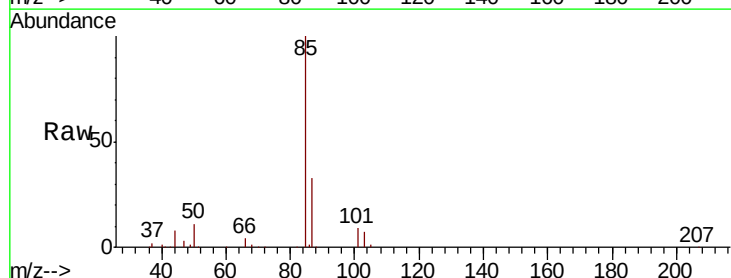
Acq: 9 Aug 2018 13:22

Tgt Ion: 85 Resp: 158846

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

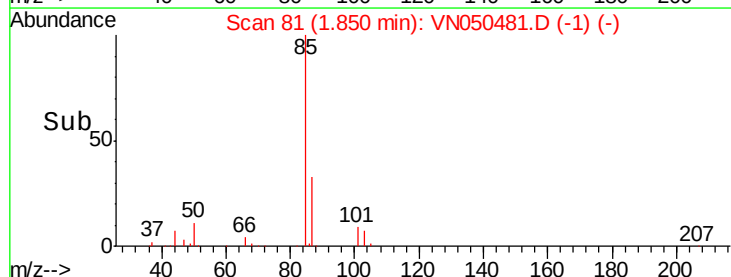
40000

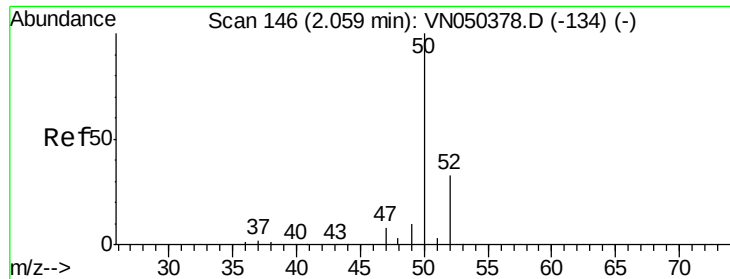
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.56 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

Tot Ion: 50 Resp: 195395

Ion Ratio Lower Upper

50 100

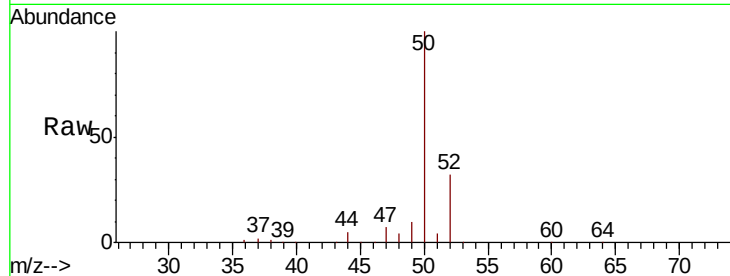
52 32.0 25.9 38.9

Manual Integrations

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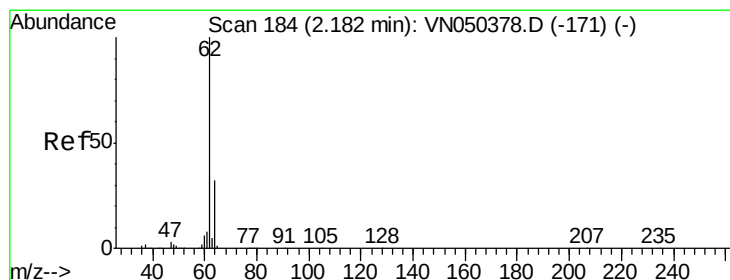
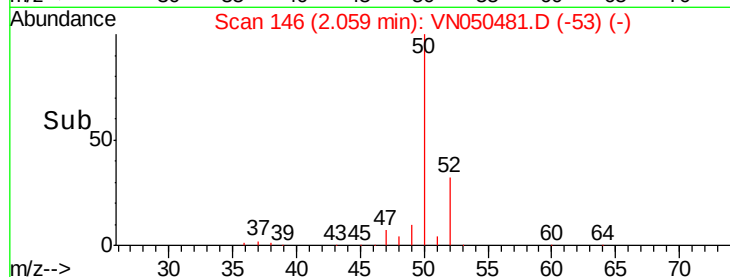
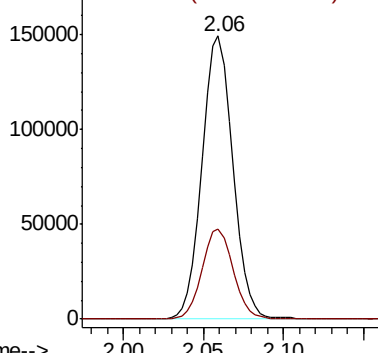
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.14 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050481.D

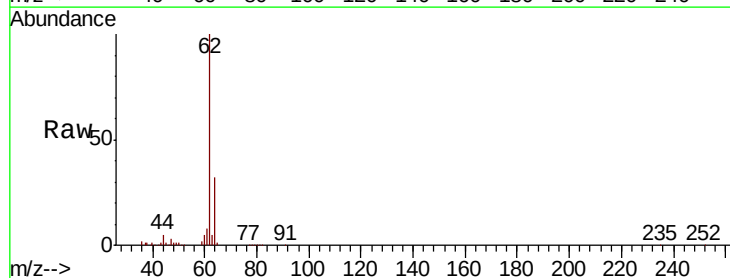
Acq: 9 Aug 2018 13:22

Tgt Ion: 62 Resp: 210318

Ion Ratio Lower Upper

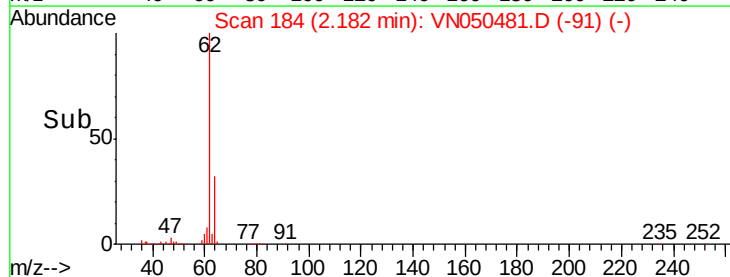
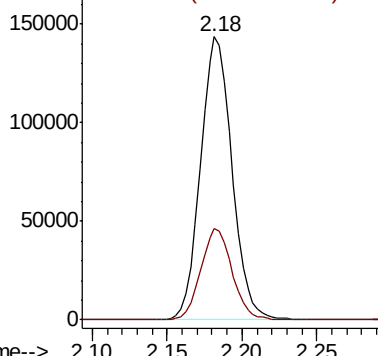
62 100

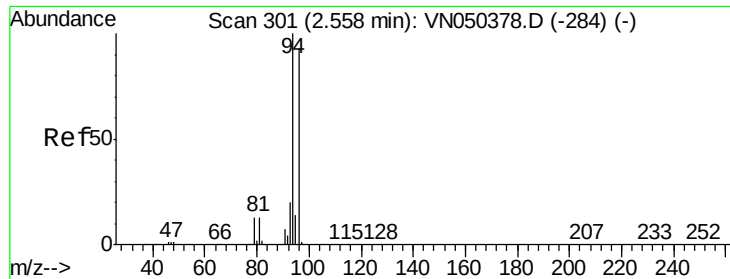
64 32.1 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 21.67 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

Tot Ion: 94 Resp: 114957

Ion Ratio Lower Upper

94 100

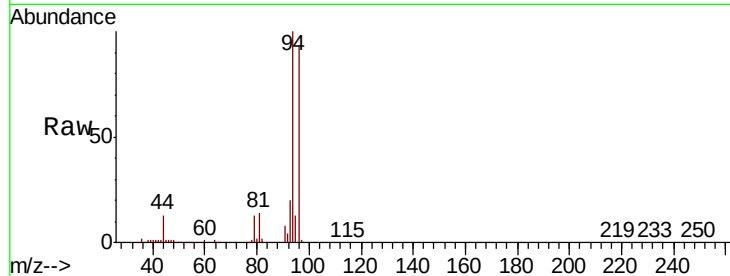
96 92.9 74.6 112.0

Manual Integrations

APPROVED

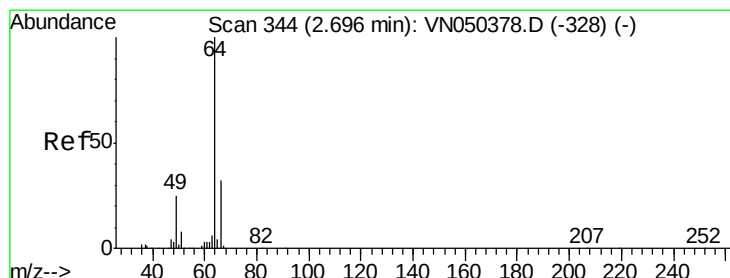
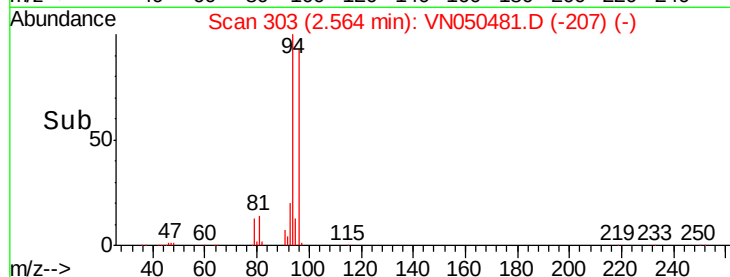
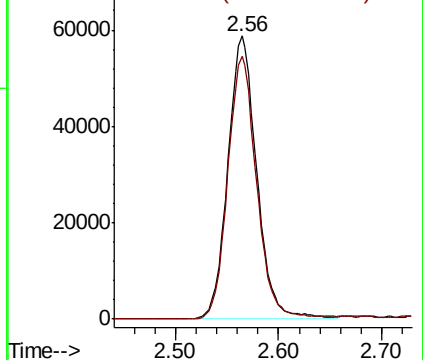
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.27 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VN050481.D

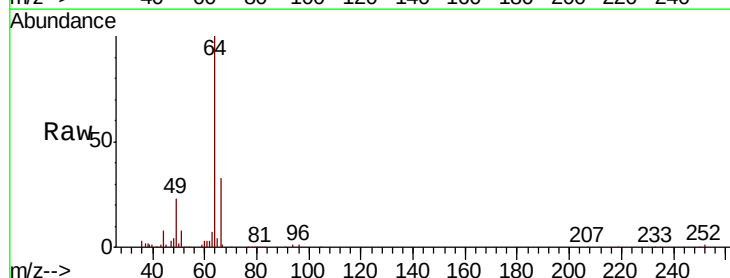
Acq: 9 Aug 2018 13:22

Tgt Ion: 64 Resp: 130500

Ion Ratio Lower Upper

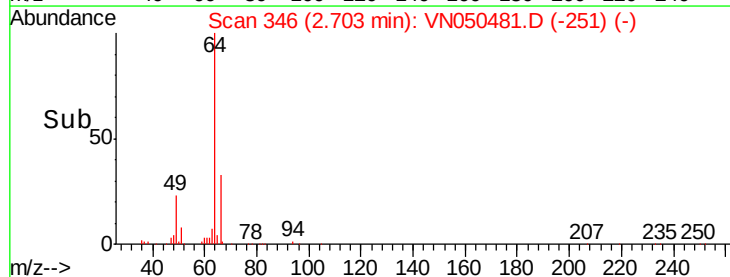
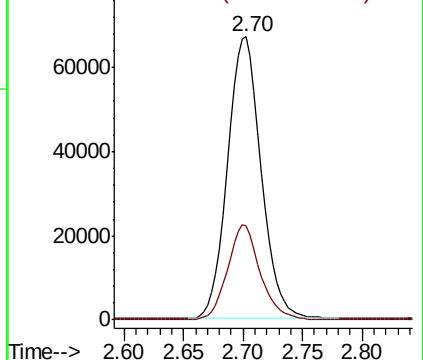
64 100

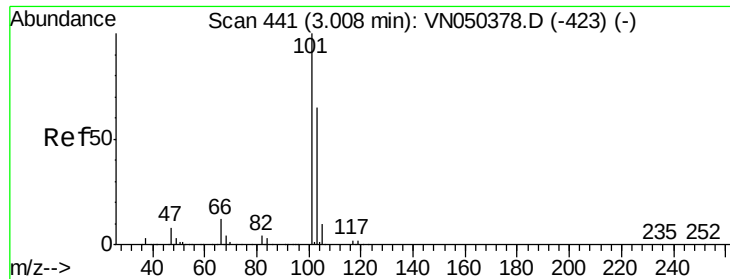
66 33.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

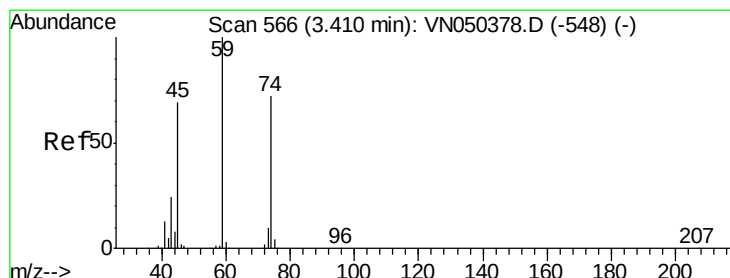
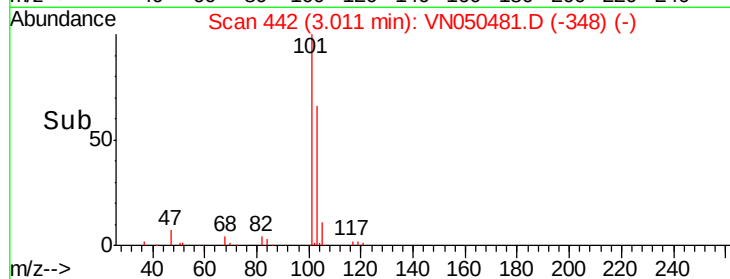
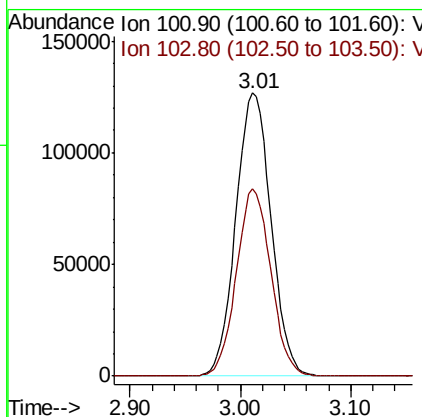
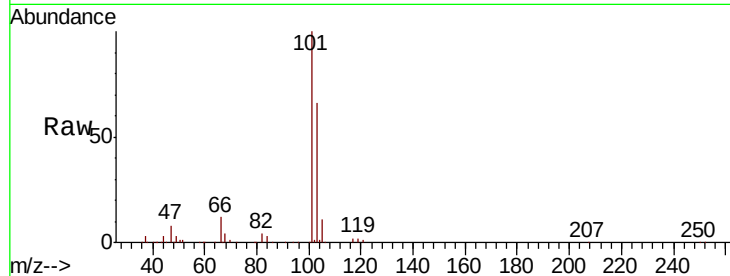
Trichlorofluoromethane
Concen: 19.80 ug/l
RT: 3.01 min Scan# 442
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.7	77.5

Manual Integrations
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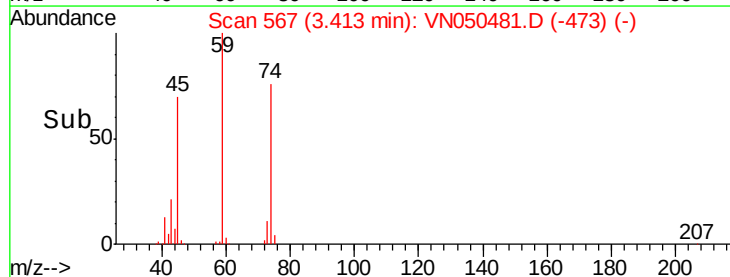
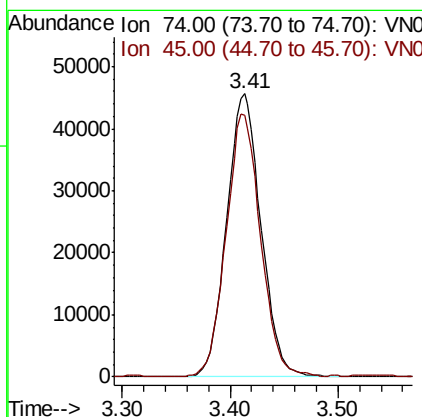
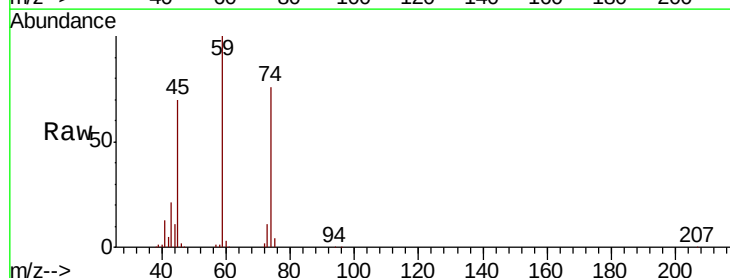
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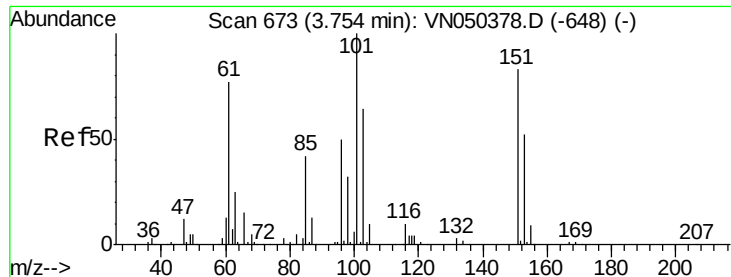


#8

Diethyl Ether
Concen: 19.47 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.68 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

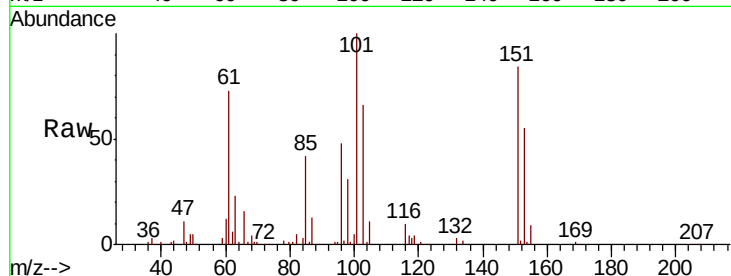
ClientSampleId :

VN0809WBS01

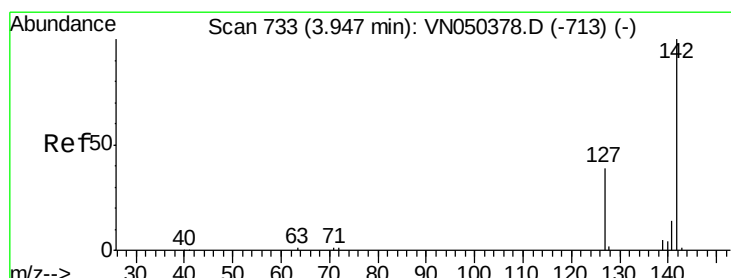
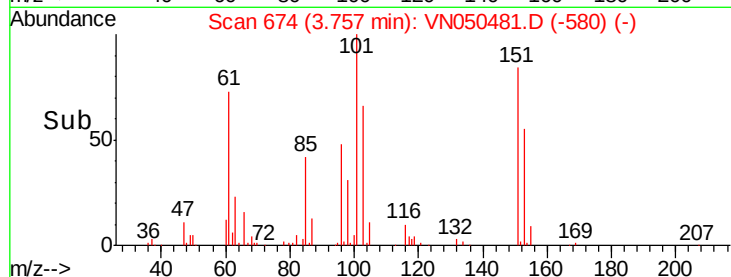
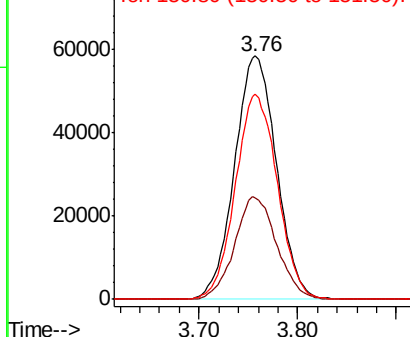
Tot Ion:	101	Resp:	172570
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.2	51.2
151	84.4	66.3	99.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.50 ug/l

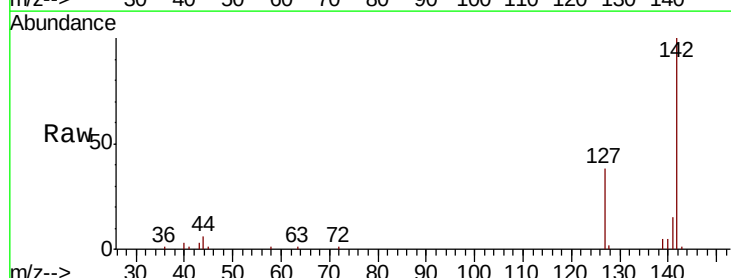
RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

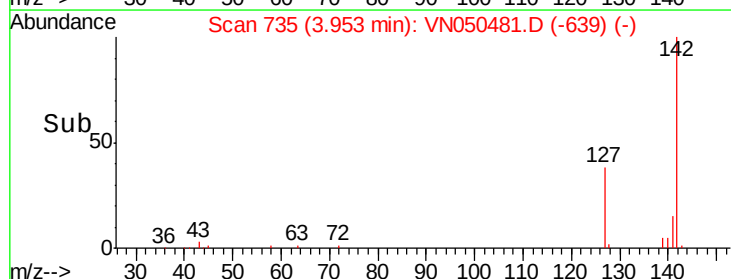
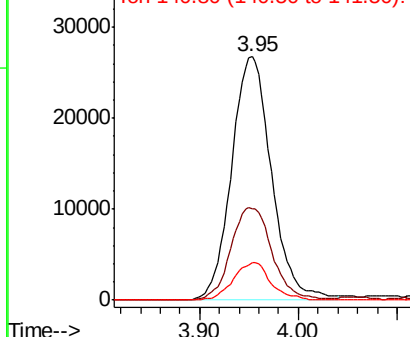
Lab File: VN050481.D

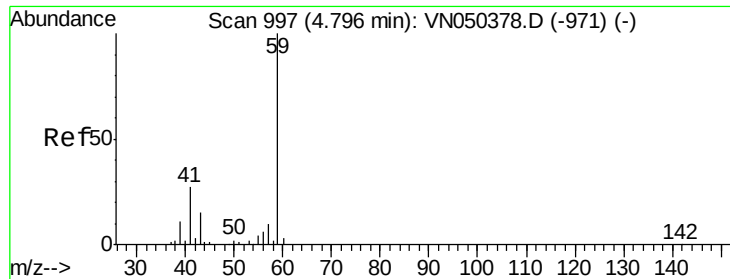
Acq: 9 Aug 2018 13:22

Tgt Ion:	142	Resp:	75346
Ion Ratio	Lower	Upper	
142	100		
127	39.0	33.4	50.2
141	14.5	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





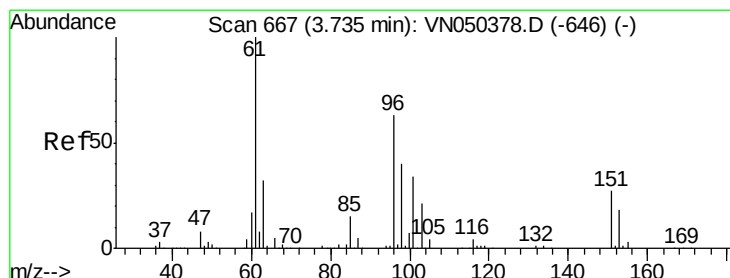
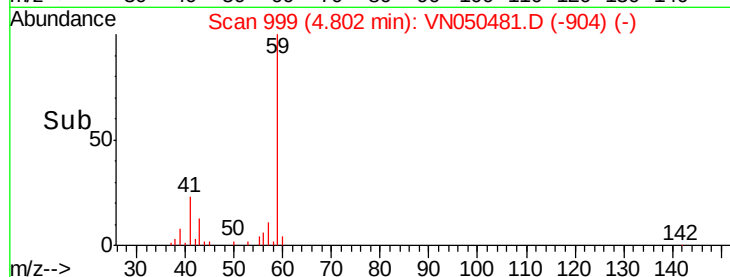
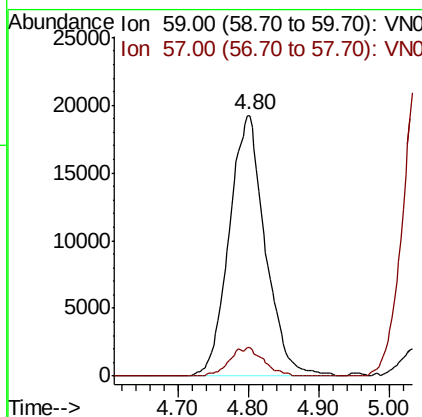
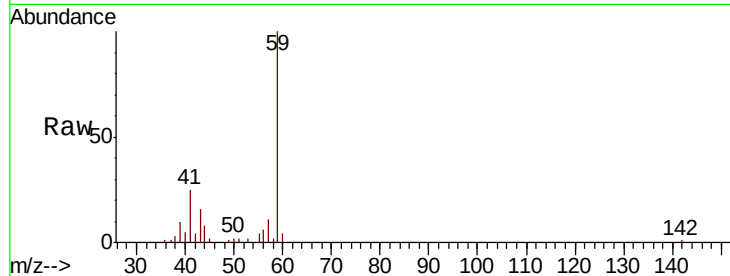
#11
Tert butyl alcohol
Concen: 83.70 ug/l
RT: 4.80 min Scan# 999
Delta R.T. 0.01 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0809WBS01

Tot Ion: 59 Resp: 68705
Ion Ratio Lower Upper
59 100
57 4.5 8.5 12.7#

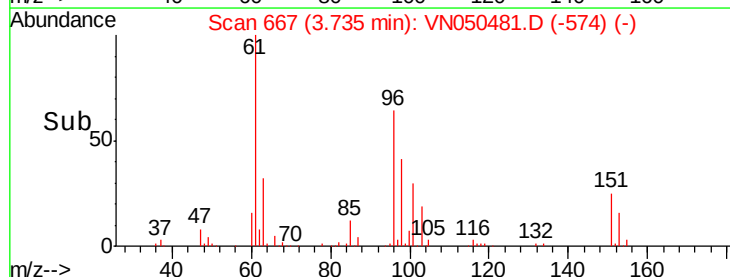
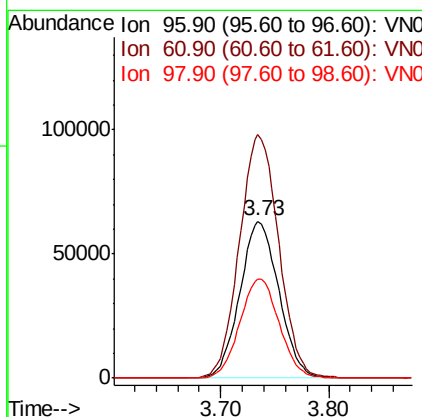
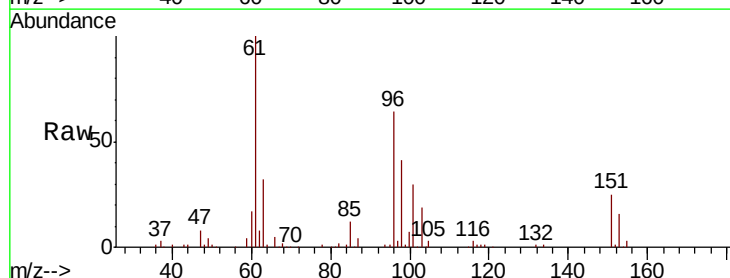
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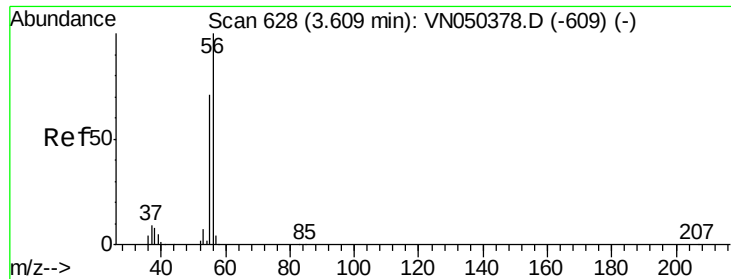
MMDadoda
8/10/2018 10:52:45 AM



#12
1,1-Dichloroethene
Concen: 19.18 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion: 96 Resp: 158589
Ion Ratio Lower Upper
96 100
61 155.5 124.4 186.6
98 63.4 48.3 72.5





#13

Acrolein

Concen: 66.03 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

Tot Ion: 56 Resp: 57955

Ion Ratio Lower Upper

56 100

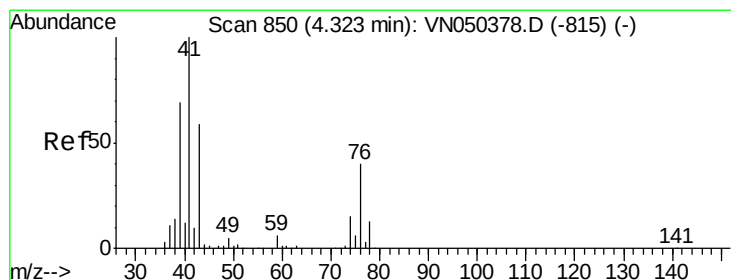
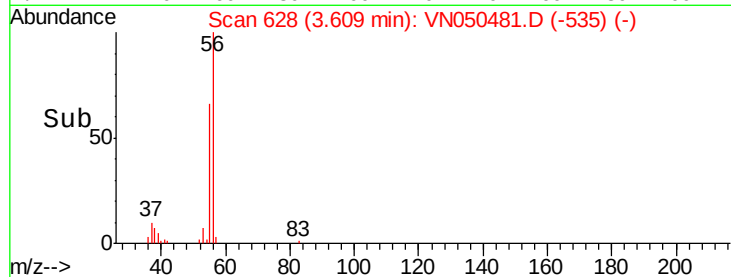
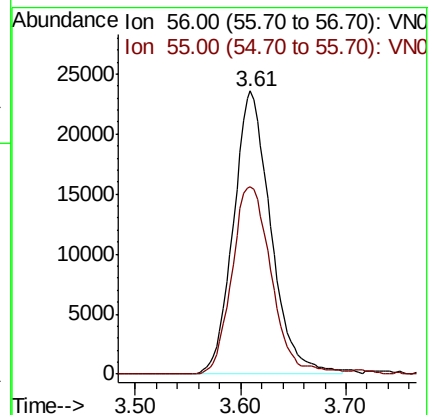
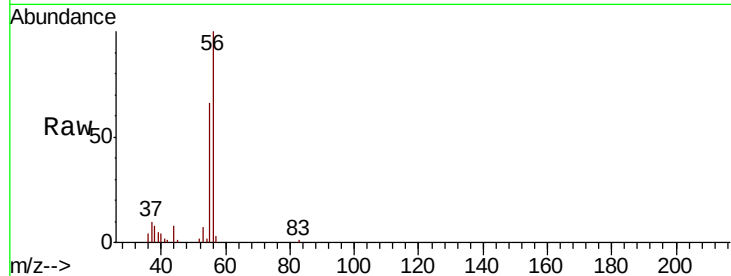
55 69.9 55.8 83.6

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#14

Allyl chloride

Concen: 18.46 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

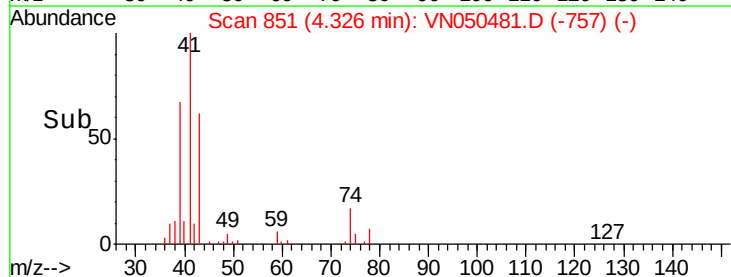
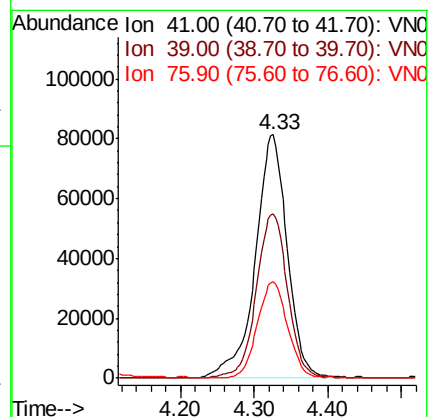
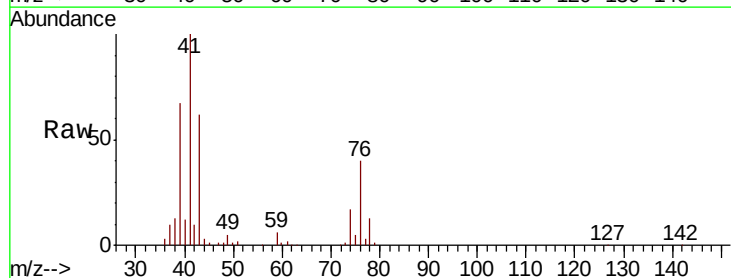
Tgt Ion: 41 Resp: 245175

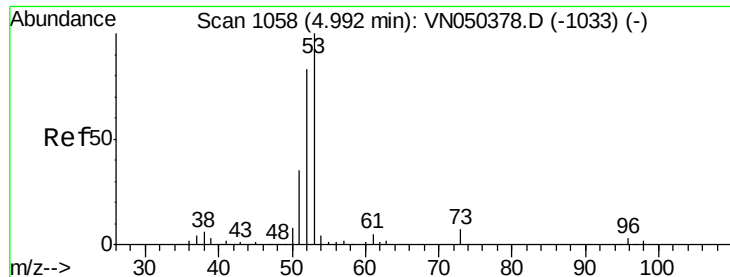
Ion Ratio Lower Upper

41 100

39 66.1 54.2 81.4

76 36.7 29.0 43.6





#15

Acrylonitrile

Concen: 88.72 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

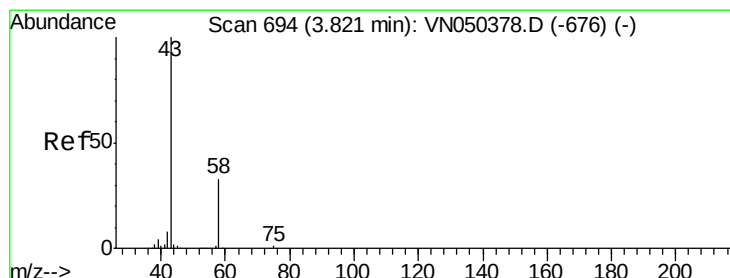
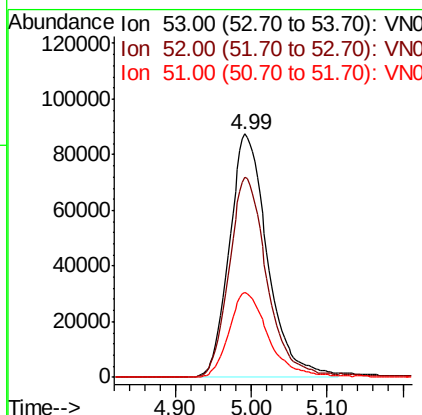
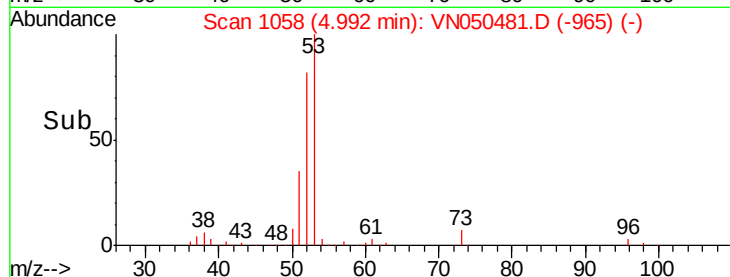
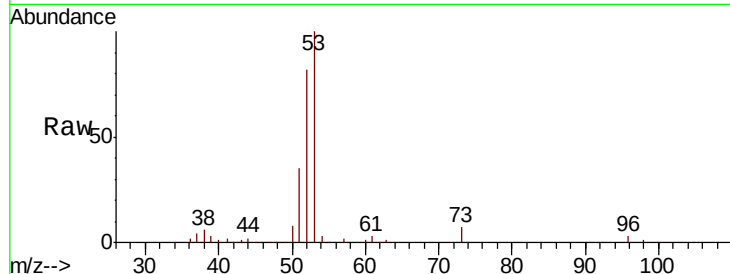
ClientSampled :

VN0809WBS01

Tot Ion:	53	Resp:	305061
Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.2	99.2
51	36.0	29.3	43.9

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#16

Acetone

Concen: 90.40 ug/l

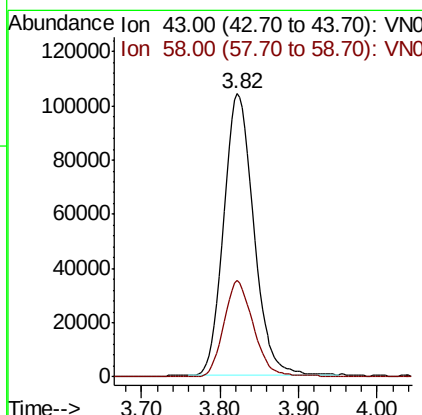
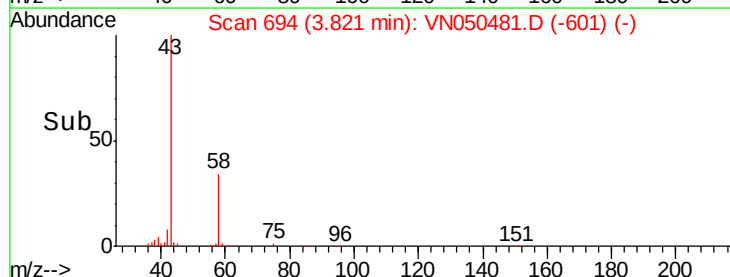
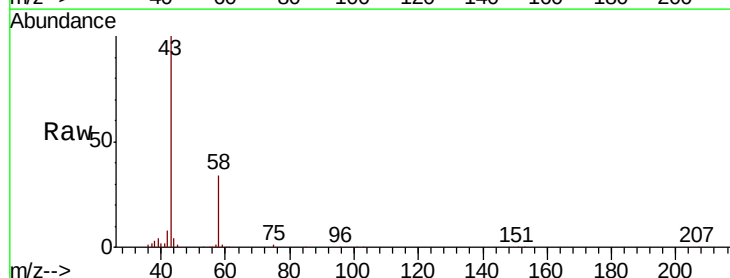
RT: 3.82 min Scan# 694

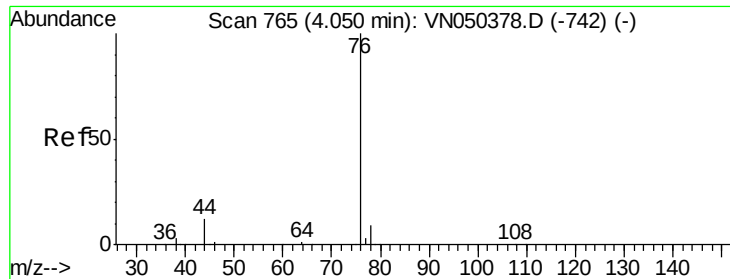
Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Tgt Ion:	43	Resp:	276195
Ion	Ratio	Lower	Upper
43	100		
58	34.0	25.8	38.8





#17

Carbon Disulfide

Concen: 17.29 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

Tot Ion: 76 Resp: 464864

Ion Ratio Lower Upper

76 100

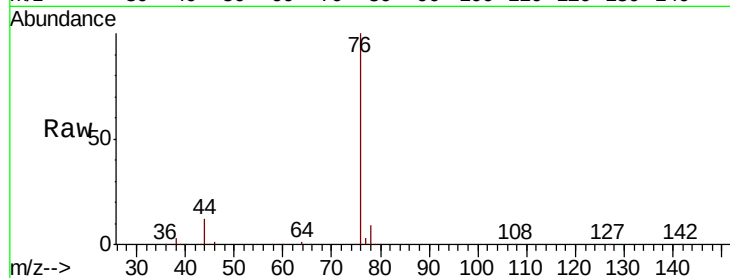
78 9.4 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

200000

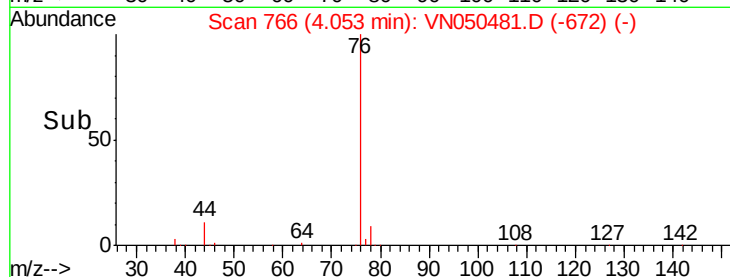
150000

100000

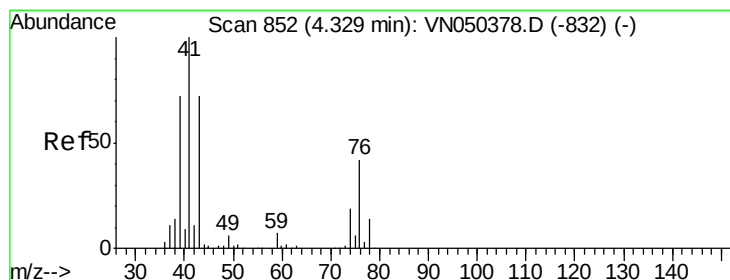
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 18.86 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050481.D

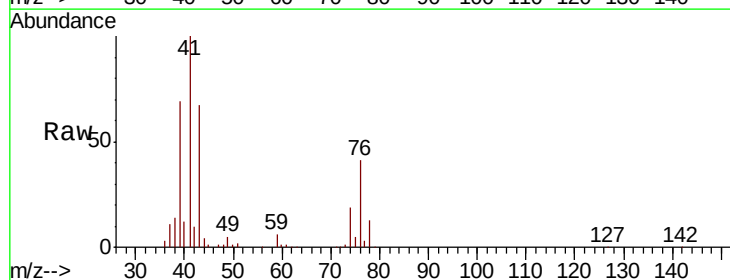
Acq: 9 Aug 2018 13:22

Tgt Ion: 43 Resp: 150299

Ion Ratio Lower Upper

43 100

74 26.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

60000

50000

40000

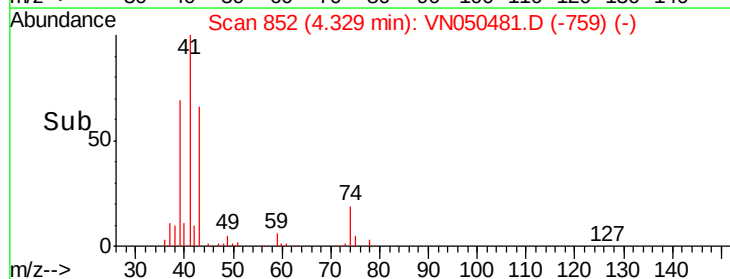
30000

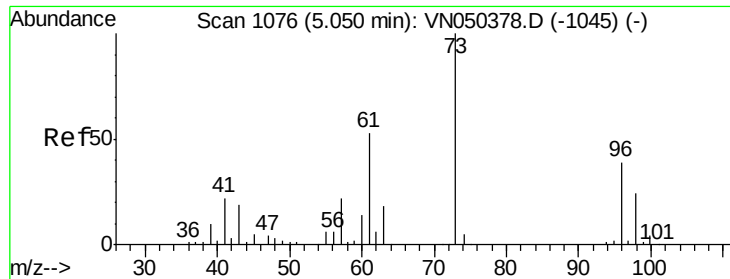
20000

10000

0

Time-->





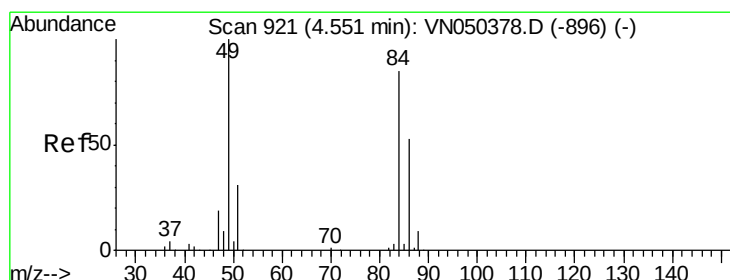
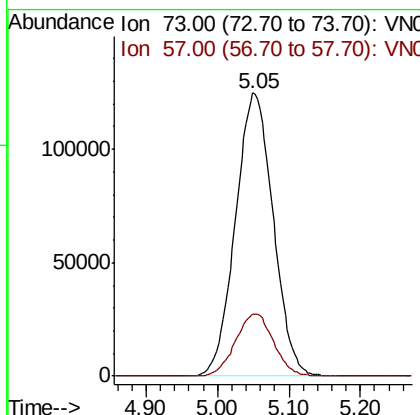
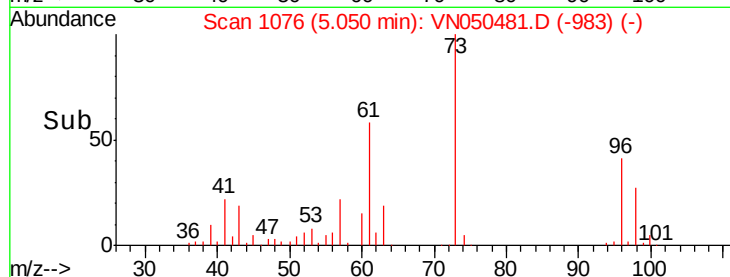
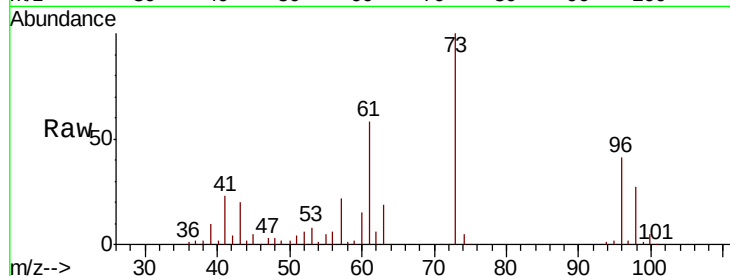
#19
Methvl tert-butvl Ether
Concen: 19.56 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS01

Tot Ion: 73 Resp: 459154
Ion Ratio Lower Upper
73 100
57 21.9 18.0 27.0

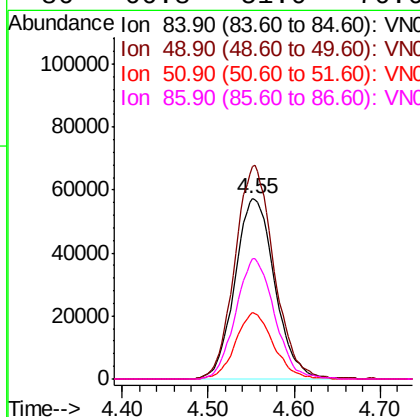
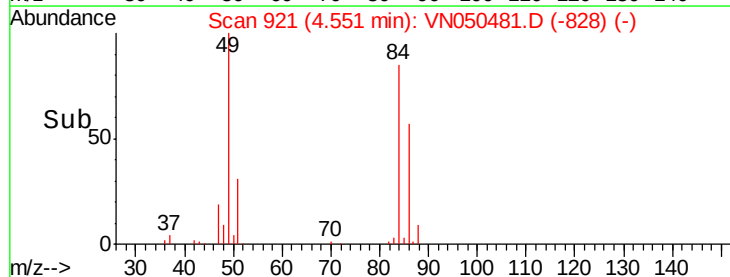
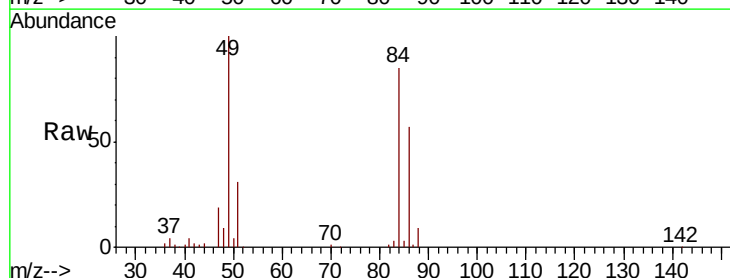
Manual Integrations
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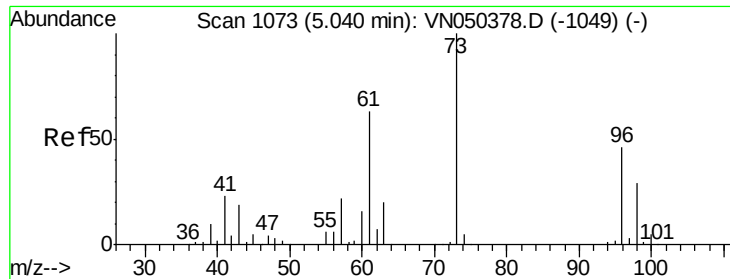
MMDadoda
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#20
Methylene Chloride
Concen: 18.82 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion: 84 Resp: 184375
Ion Ratio Lower Upper
84 100
49 117.5 94.8 142.2
51 36.6 28.3 42.5
86 66.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.06 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

Tot Ion: 96 Resp: 170511

Ion Ratio Lower Upper

96 100

61 139.1 110.7 166.1

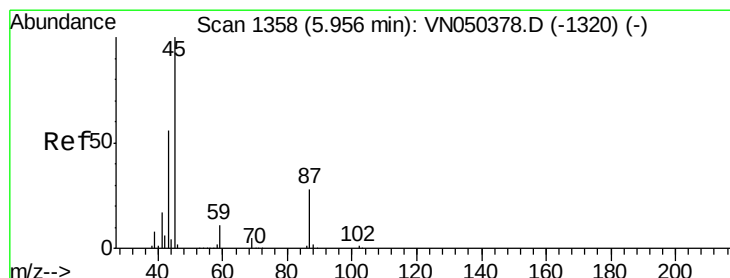
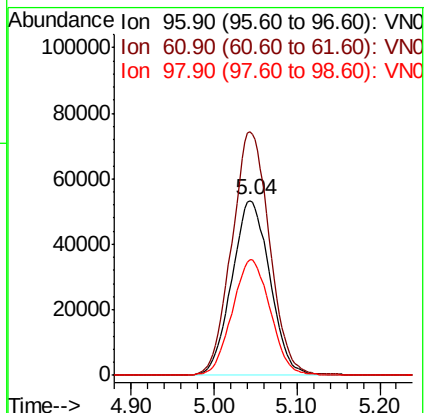
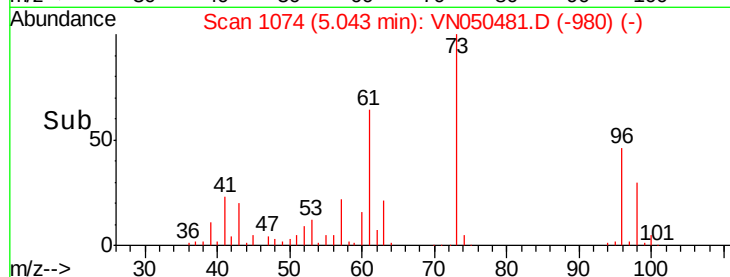
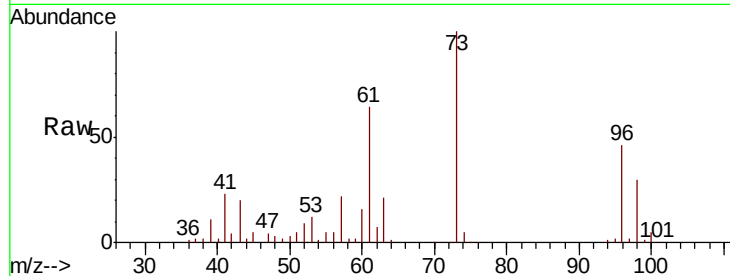
98 65.9 51.6 77.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.99 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Tgt Ion: 45 Resp: 542305

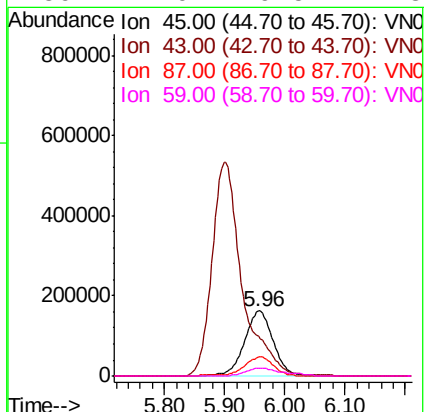
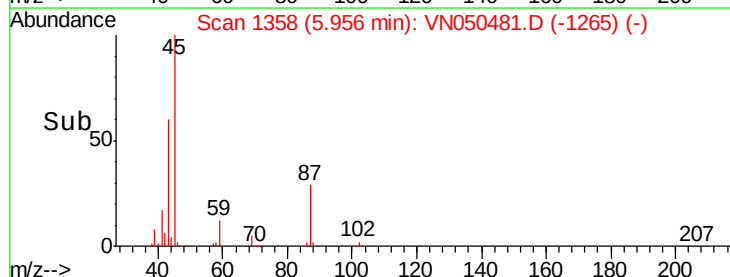
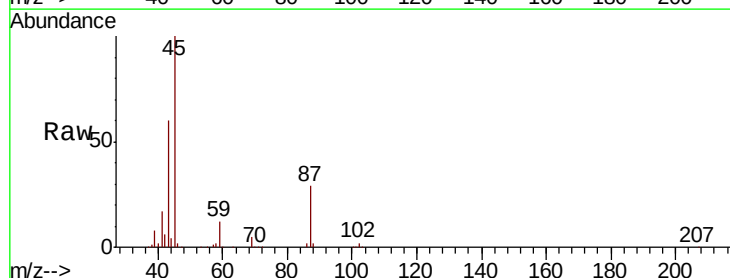
Ion Ratio Lower Upper

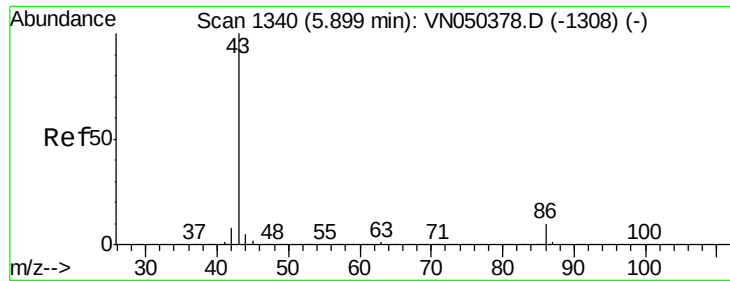
45 100

43 59.4 45.7 68.5

87 29.4 22.7 34.1

59 12.0 9.5 14.3





#23

Vinyl Acetate

Concen: 94.88 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0809WBS01

Tot Ion: 43 Resp: 1836265

Ion Ratio Lower Upper

43 100

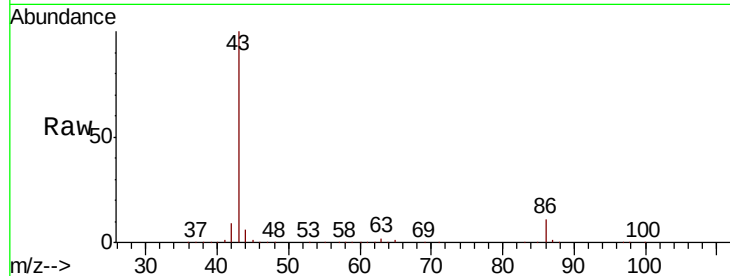
86 10.7 8.6 13.0

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

600000

500000

400000

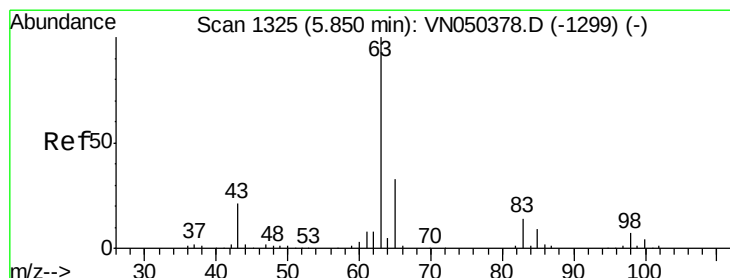
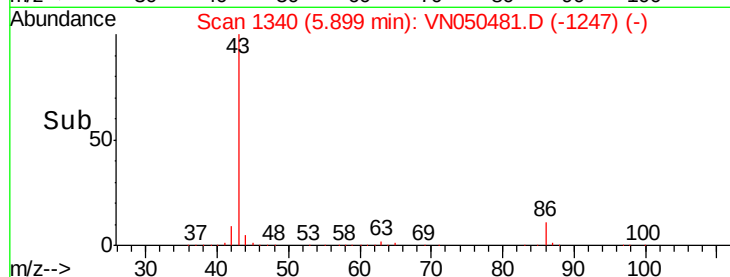
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.39 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

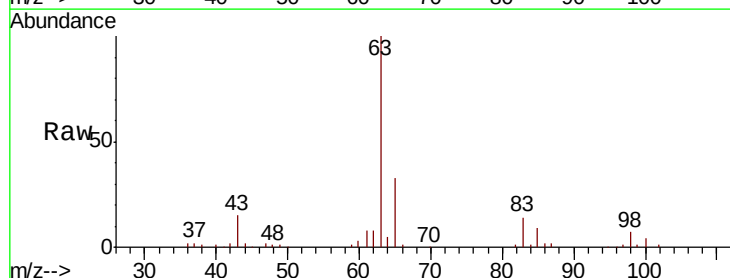
Tgt Ion: 63 Resp: 322743

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.0 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

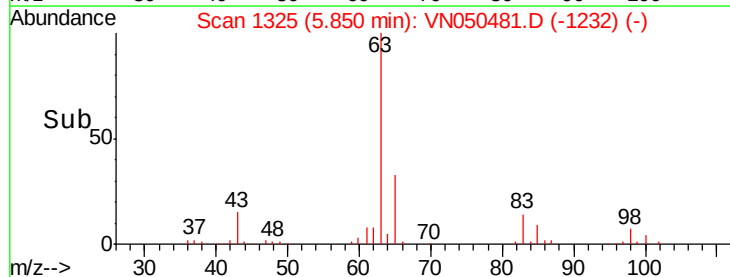
Ion 99.90 (99.60 to 100.60): VN0

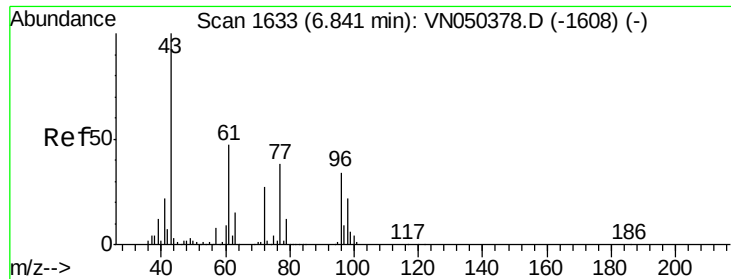
100000

50000

0

Time-->





#25

2-Butanone

Concen: 87.89 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0809WBS01

Tot Ion: 43 Resp: 445059

Ion Ratio Lower Upper

43 100

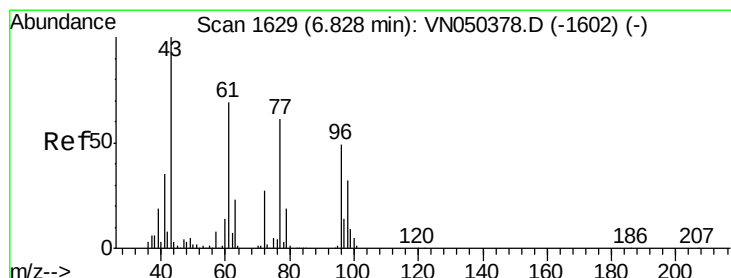
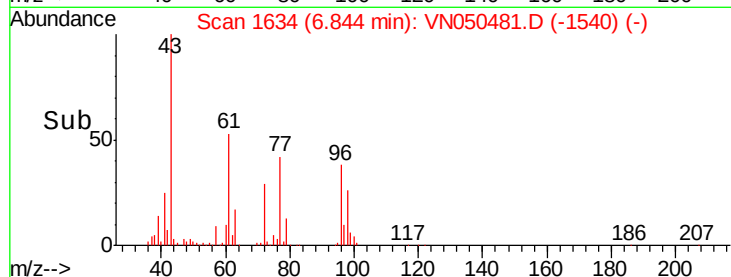
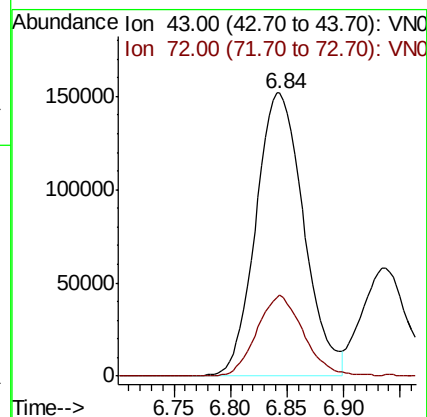
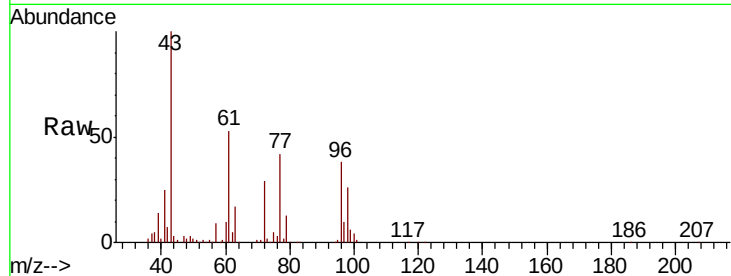
72 28.7 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.10 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050481.D

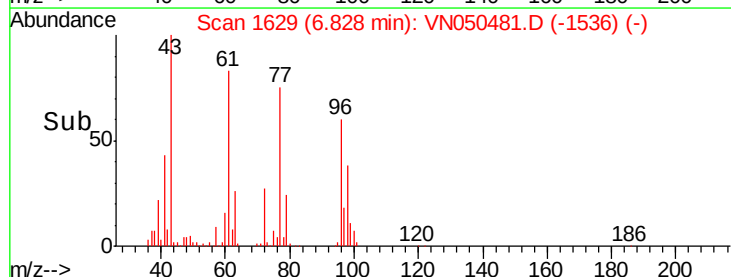
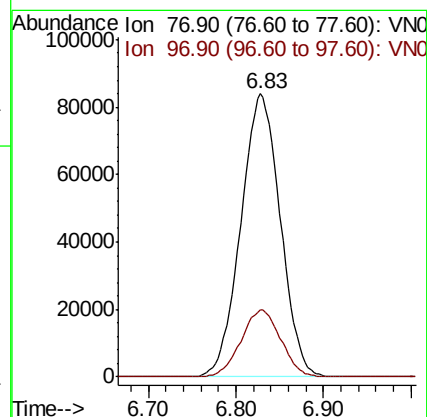
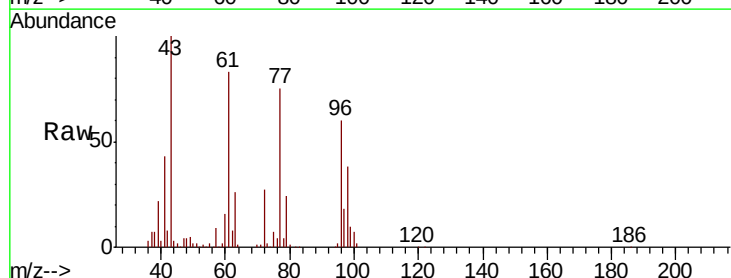
Acq: 9 Aug 2018 13:22

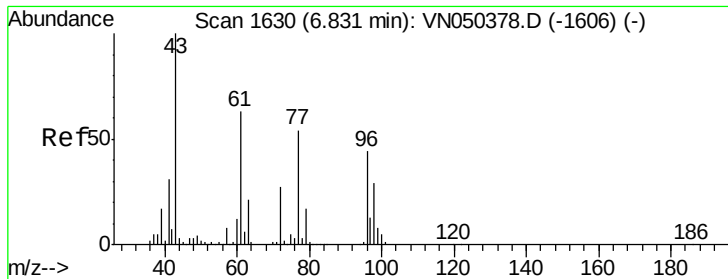
Tgt Ion: 77 Resp: 262114

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.16 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

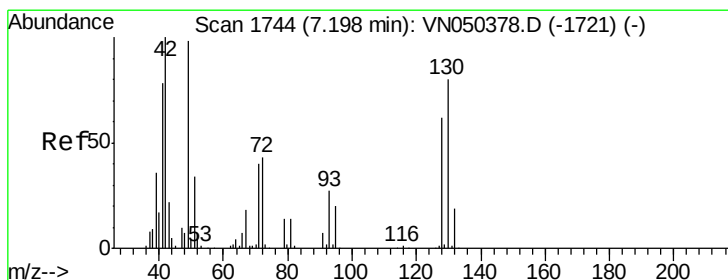
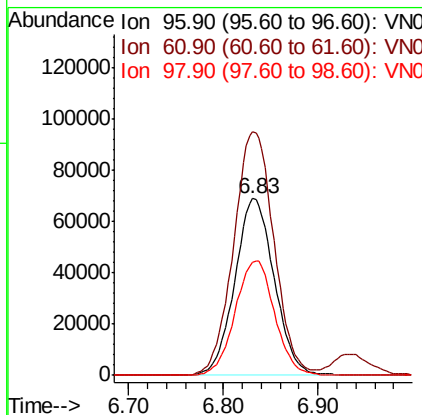
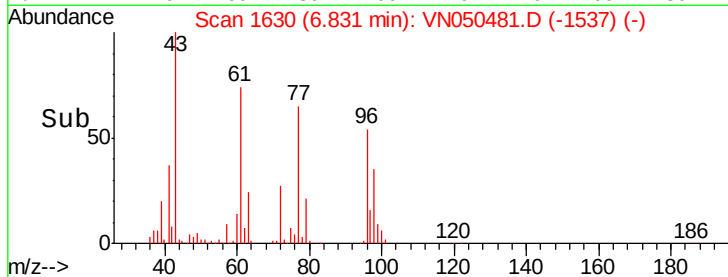
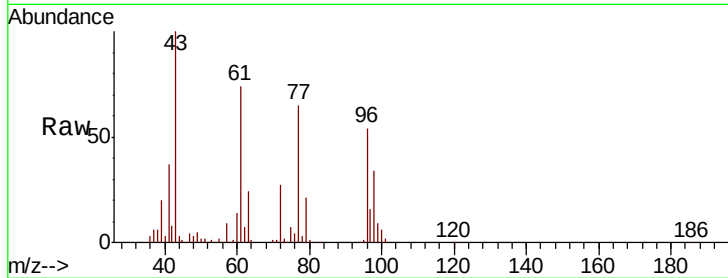
ClientSampleId :

VN0809WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	199938		
61	140.7	0.0	285.0	
98	64.7	0.0	129.2	

Manual Integrations
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8/10/2018 10:52:45 AM



#28

Bromochloromethane

Concen: 18.31 ug/l

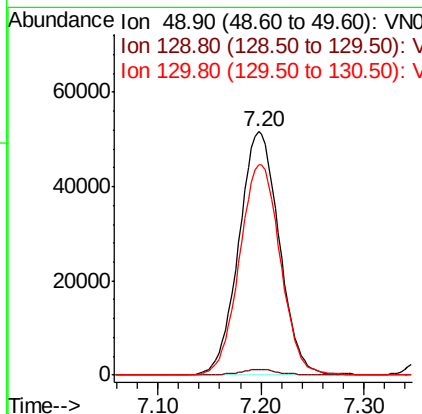
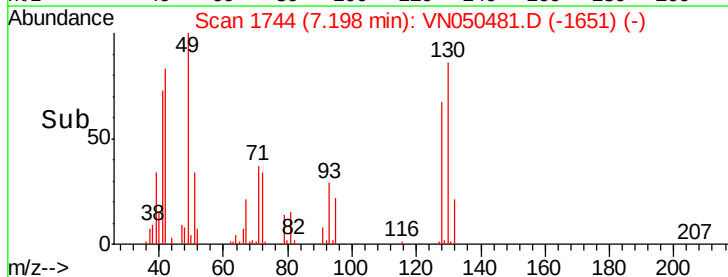
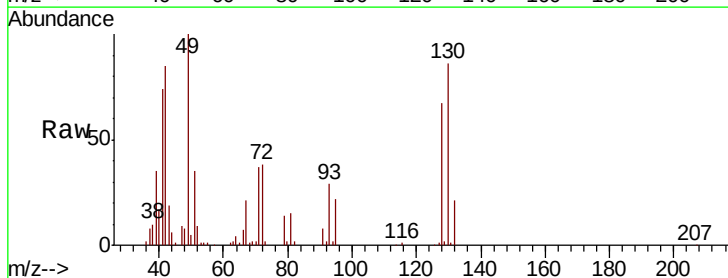
RT: 7.20 min Scan# 1744

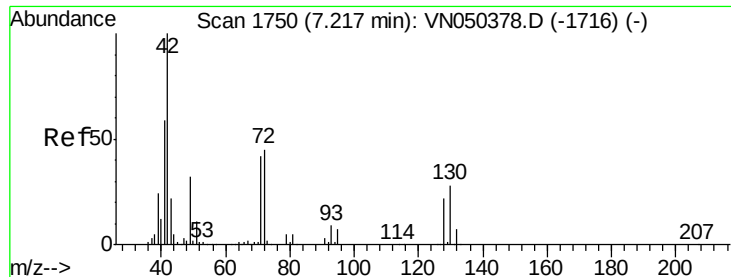
Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	140286		
129	2.2	0.0	4.0	
130	87.5	66.3	99.5	





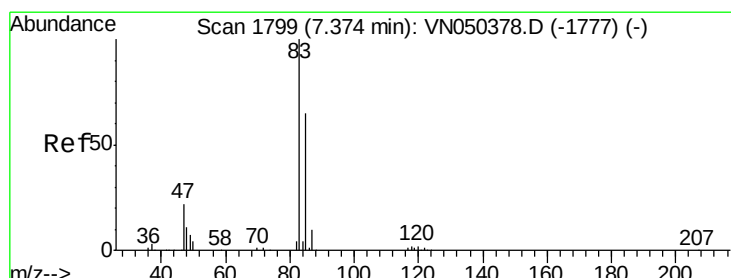
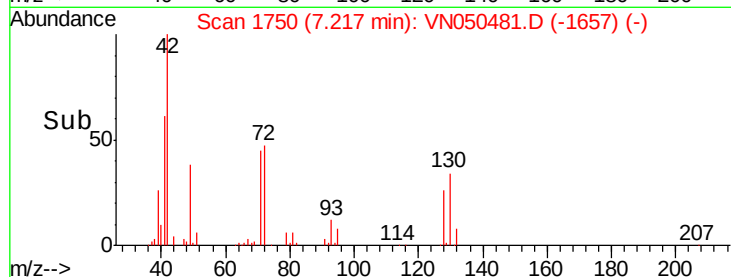
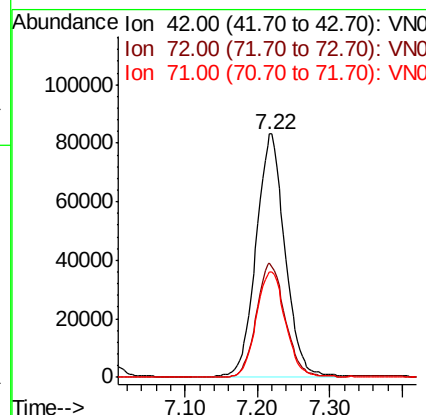
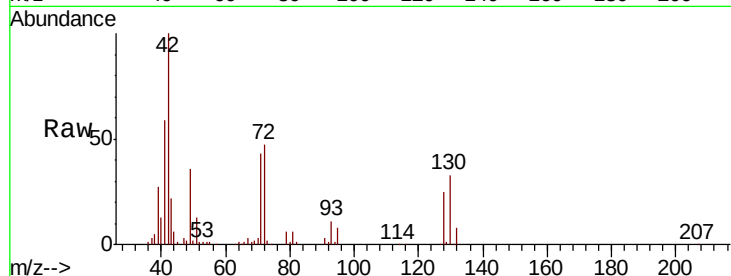
#29
Tetrahydrofuran
Concen: 85.56 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0809WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	35.9	53.9
71	43.7	33.7	50.5

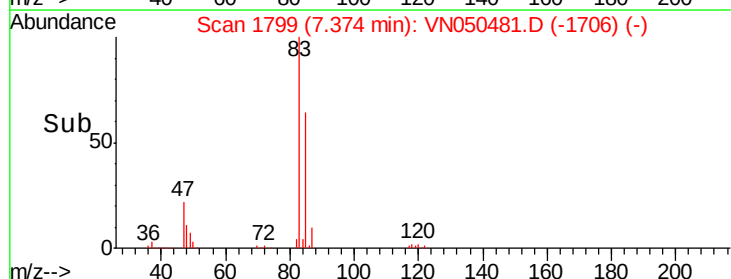
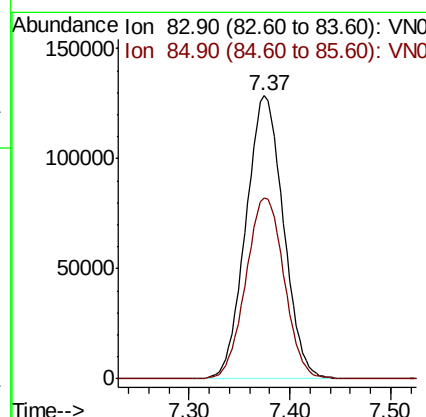
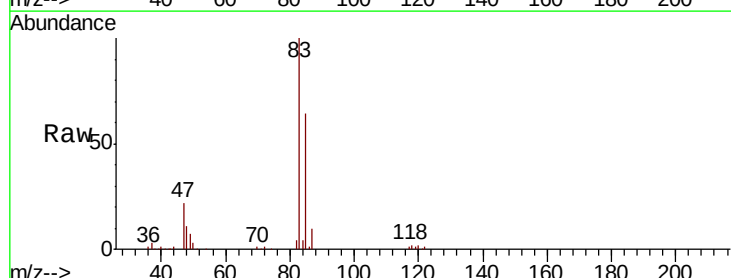
Manual Integrations
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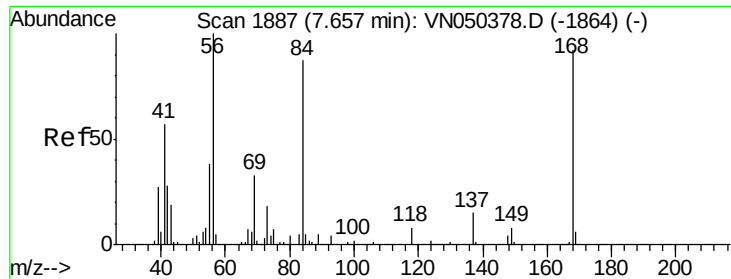
MMDadoda
8/10/2018 10:52:45 AM



#30
Chloroform
Concen: 19.95 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.5	78.7





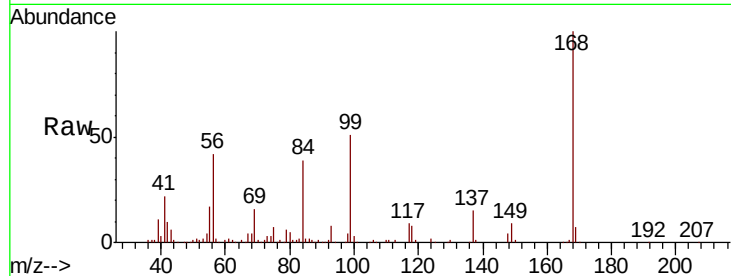
#31
Cyclohexane
Concen: 18.59 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0809WBS01

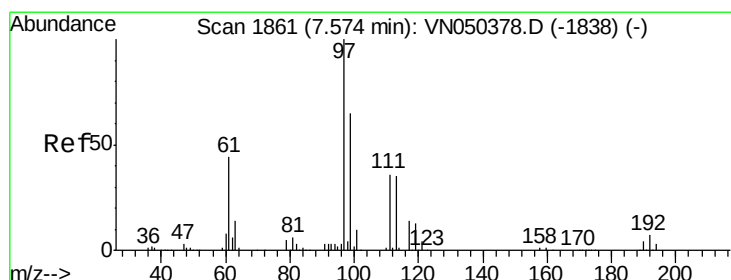
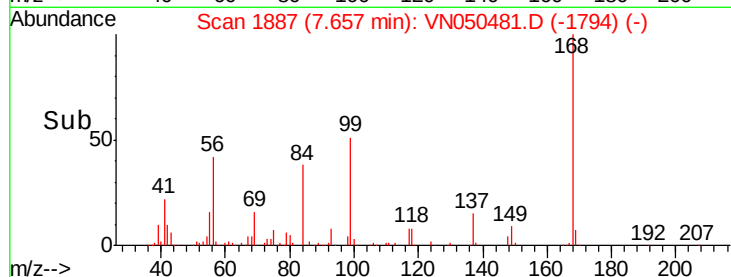
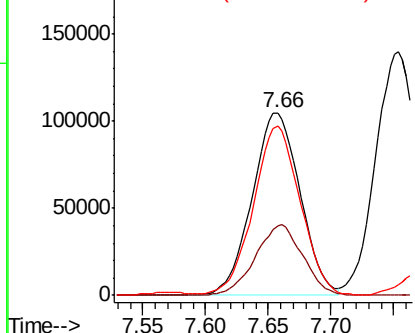
Tot Ion	Ratio	Lower	Upper
56	100		
69	38.3	26.2	39.4
84	92.0	67.4	101.0

Manual Integrations
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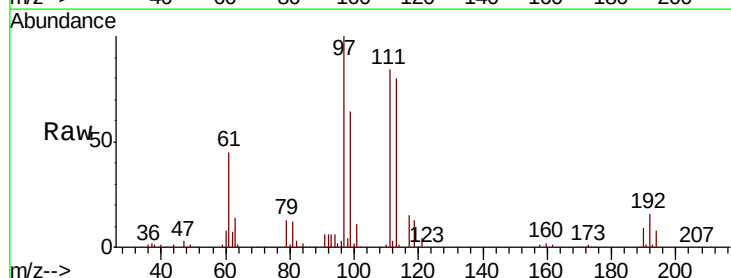


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

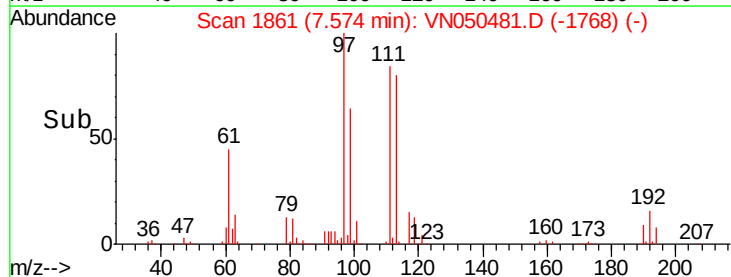
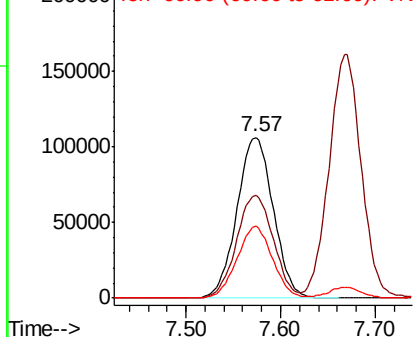


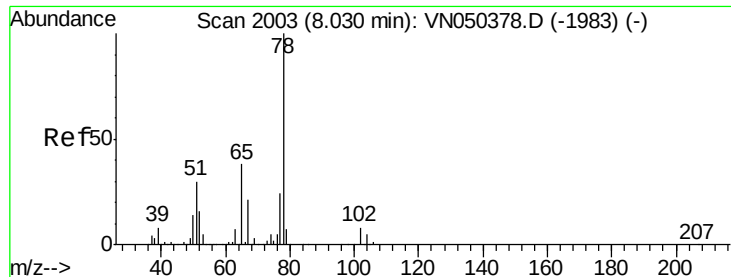
#32
1,1,1-Trichloroethane
Concen: 19.84 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.0
61	43.5	35.4	53.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





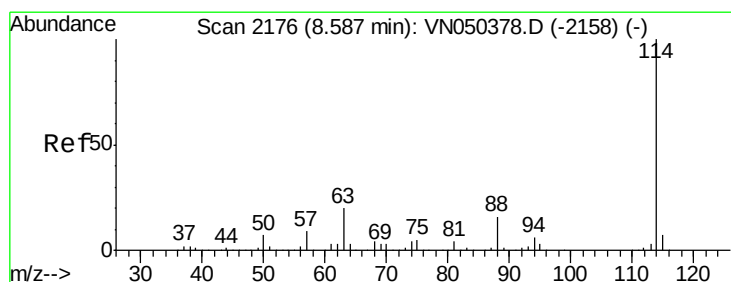
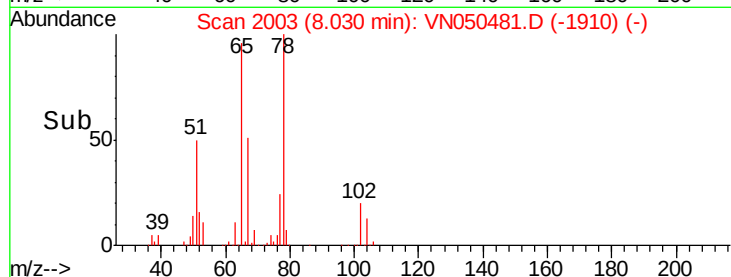
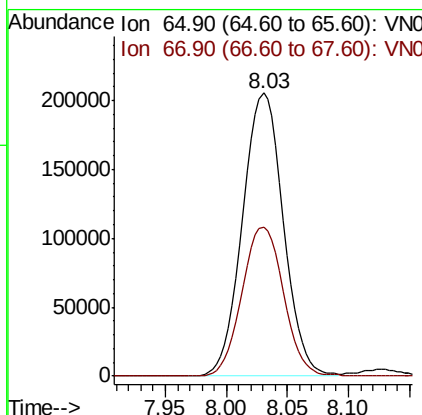
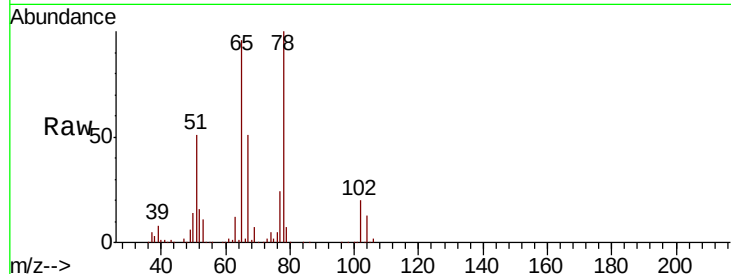
#33
 1,2-Dichloroethane-d4
 Concen: 46.61 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	476275		
67	53.6	0.0	108.4	

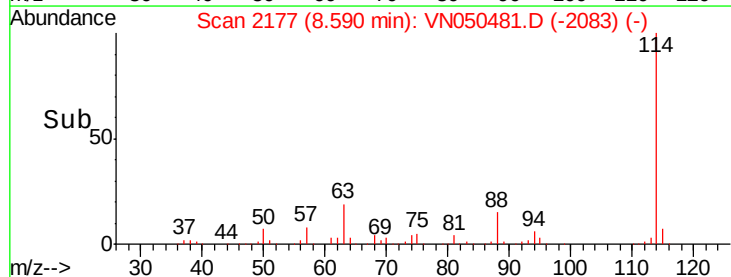
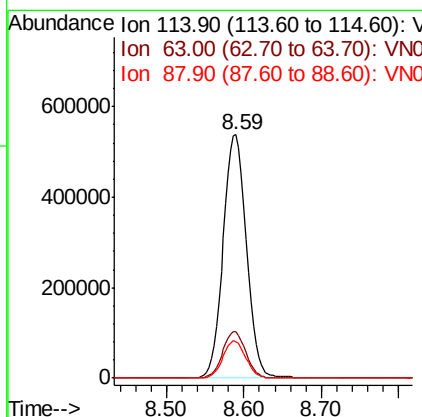
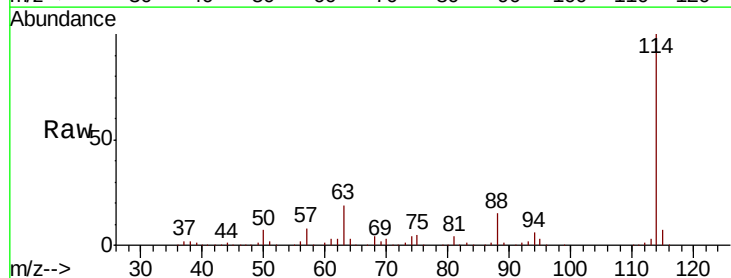
Manual Integrations
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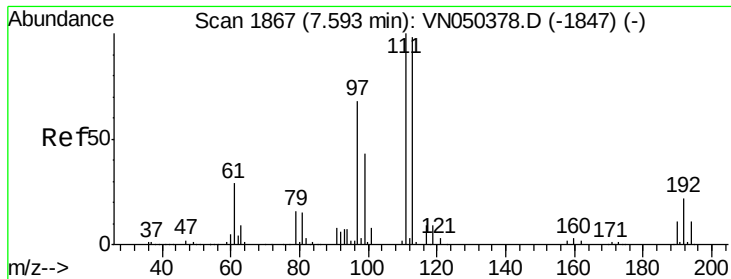
MMDadoda
 8/10/2018 10:52:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1123368		
63	18.9	0.0	40.0	
88	15.1	0.0	31.2	





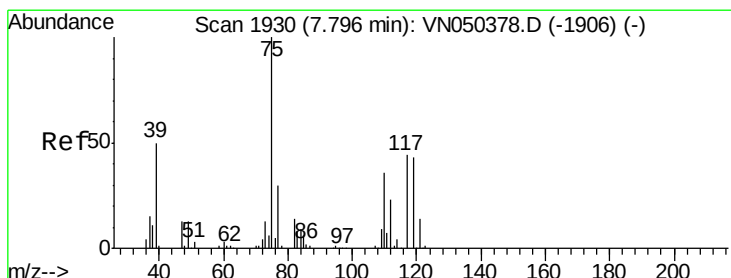
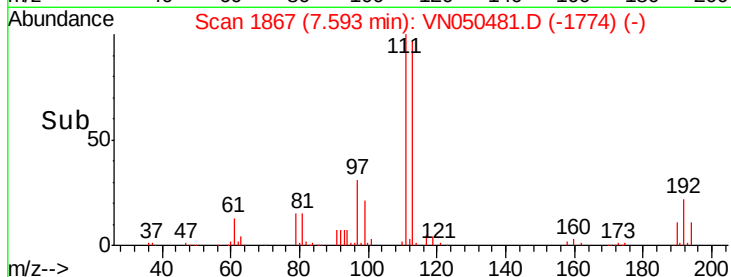
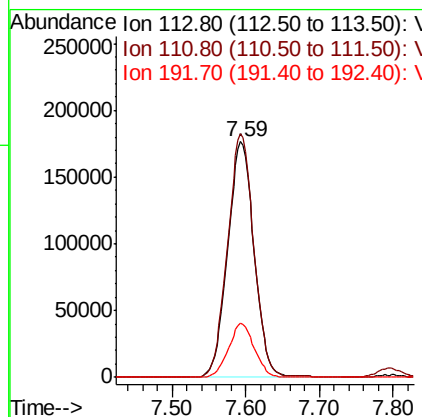
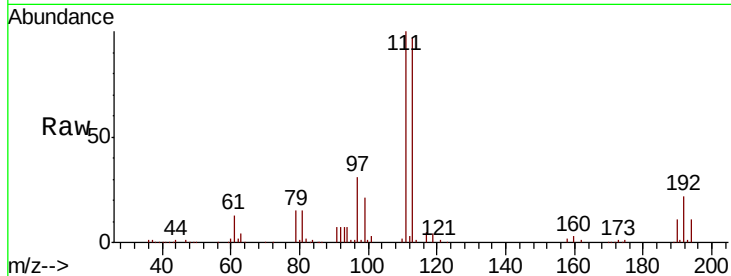
#35
 Dibromofluoromethane
 Concen: 48.79 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	439772		
111	102.1	80.7	121.1	
192	22.4	17.8	26.6	

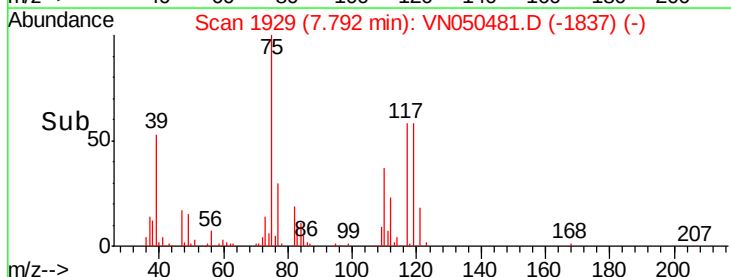
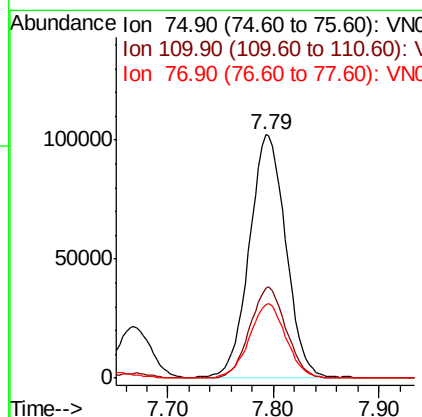
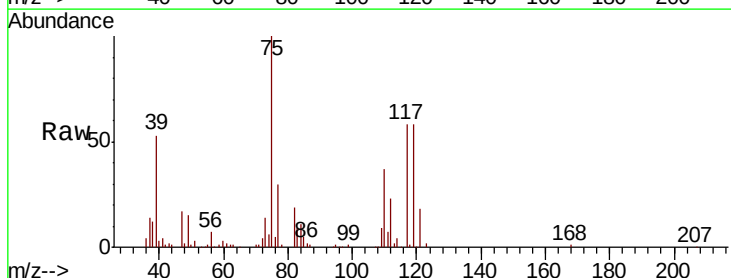
Manual Integrations
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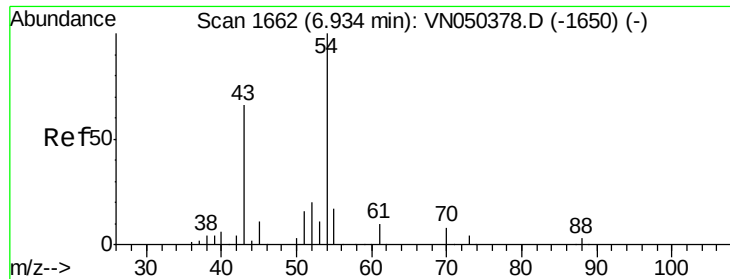
MMDadoda
 8/10/2018 10:52:45 AM



#36
 1,1-Dichloropropene
 Concen: 19.82 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	244634		
110	37.5	18.4	55.2	
77	31.1	25.3	37.9	





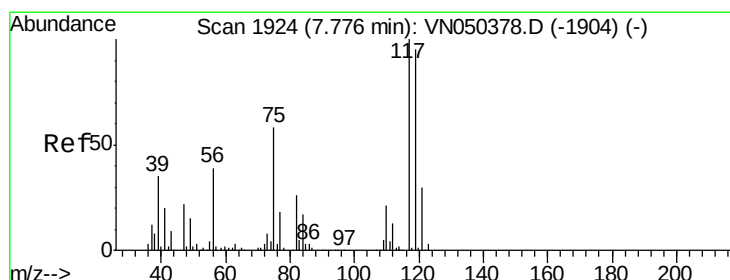
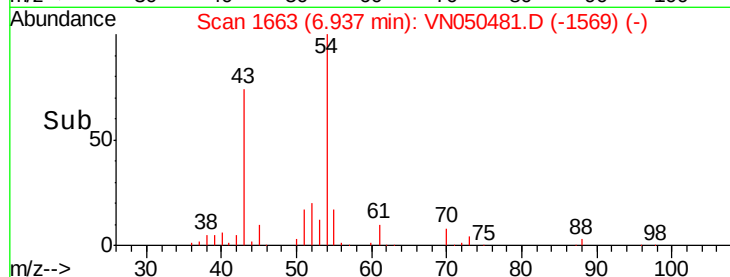
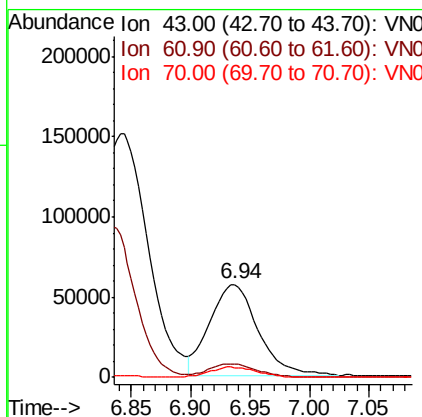
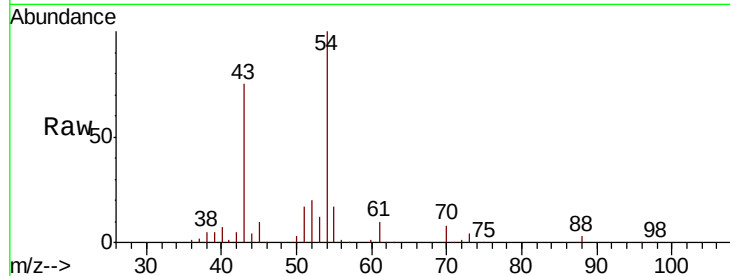
#37
Ethyl Acetate
Concen: 18.14 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0809WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.8	17.8
70	11.1	8.4	12.6

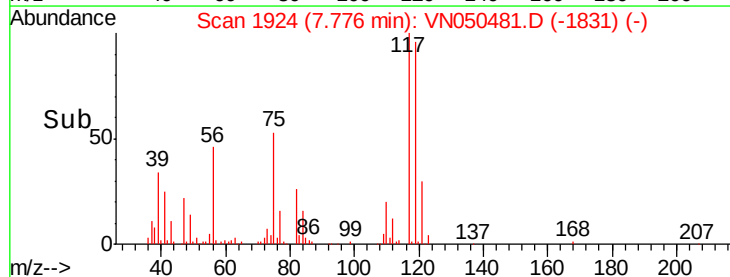
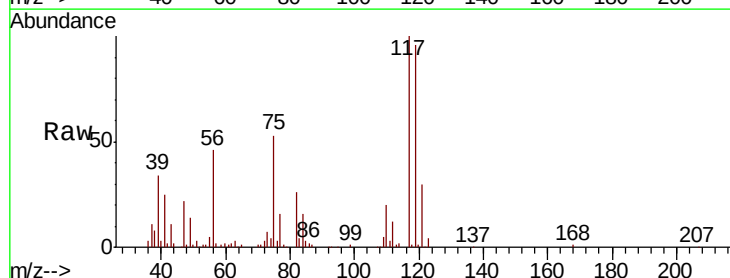
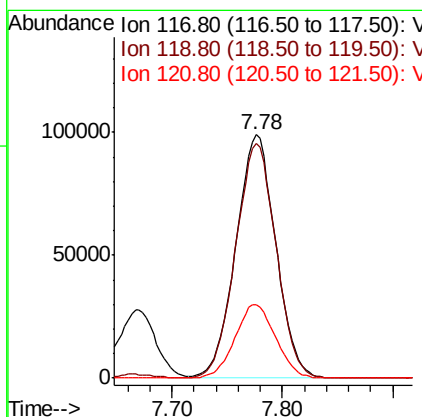
Manual Integrations
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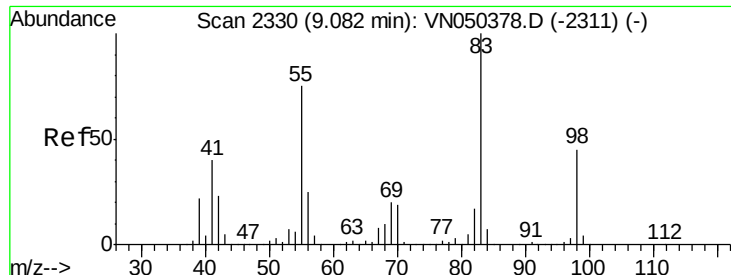
MMDadoda
8/10/2018 10:52:45 AM



#38
Carbon Tetrachloride
Concen: 19.29 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
121	30.4	23.9	35.9





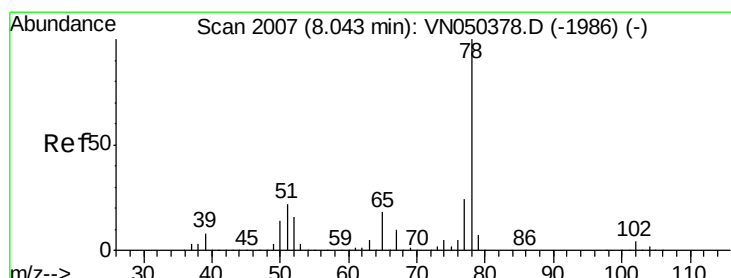
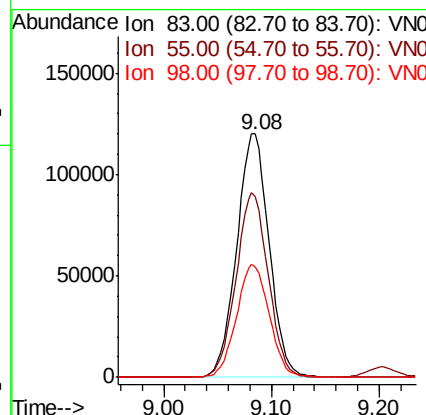
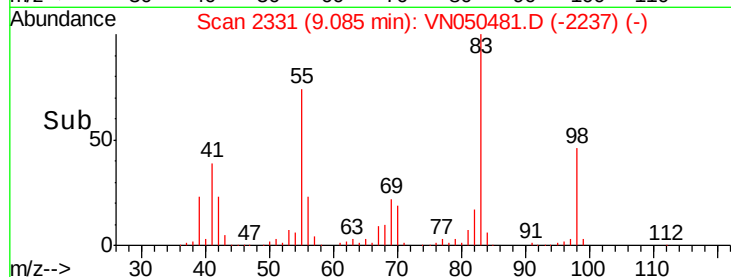
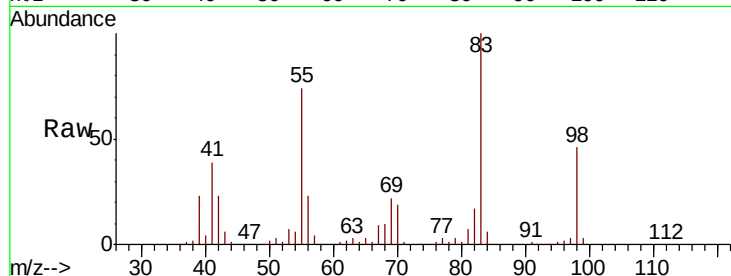
#39
Methvlcvclohexane
Concen: 18.68 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	251661		
55	74.4	61.8	92.8	
98	45.6	36.5	54.7	

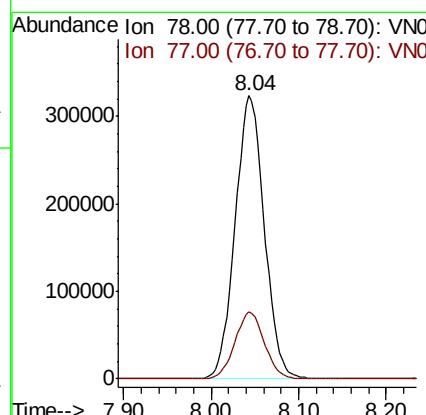
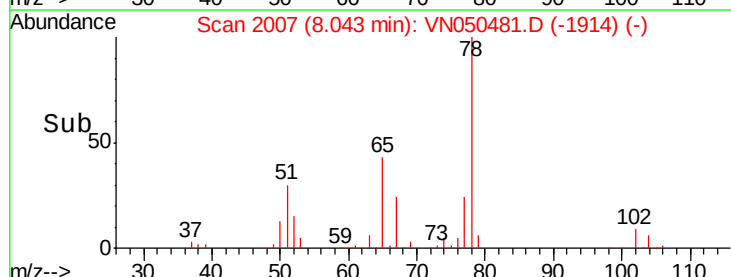
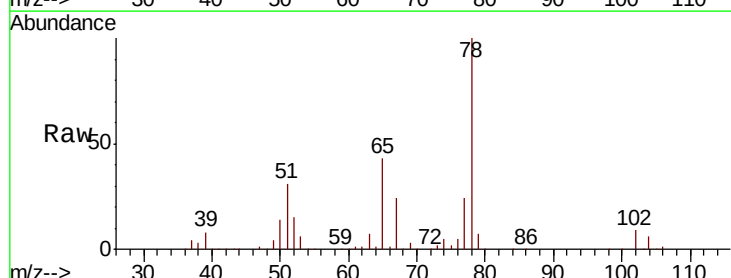
Manual Integrations
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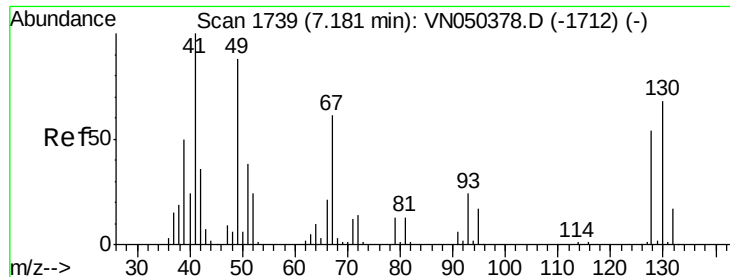
MMDadoda
8/10/2018 10:52:45 AM



#40
Benzene
Concen: 19.75 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	749365		
77	23.7	18.7	28.1	





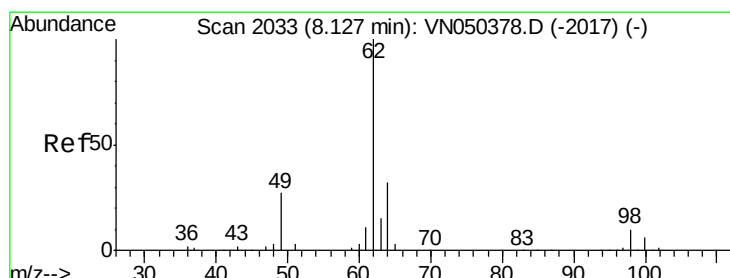
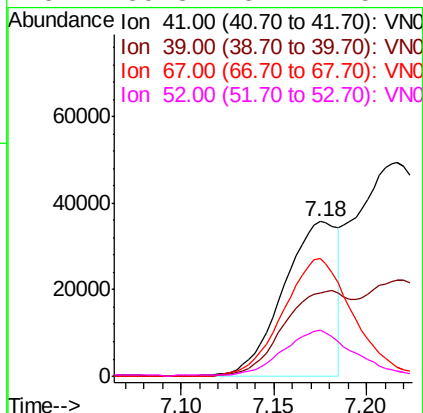
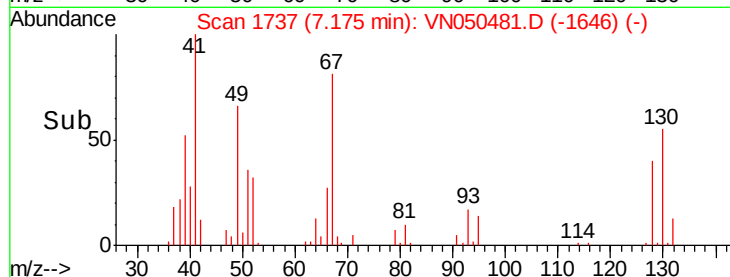
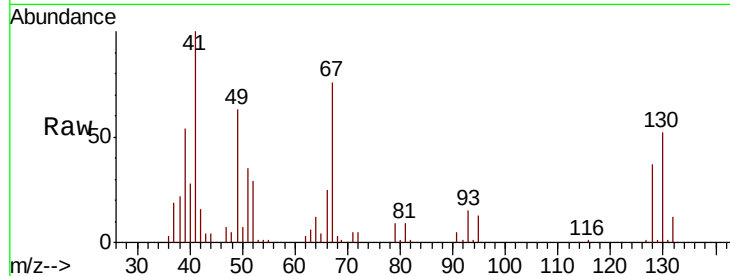
#41
Methacrylonitrile
Concen: 15.41 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0809WBS01

Tot Ion	41	Resp	72829
Ion	Ratio	Lower	Upper
41	100		
39	65.1	55.8	83.6
67	98.9	84.3	126.5
52	39.8	34.2	51.2

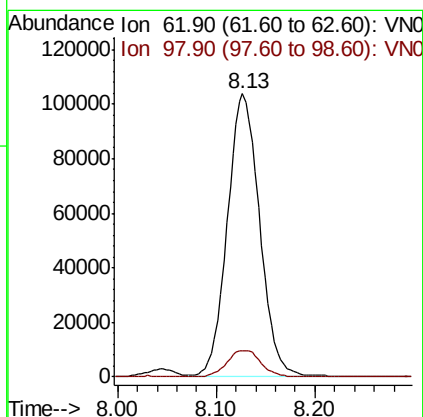
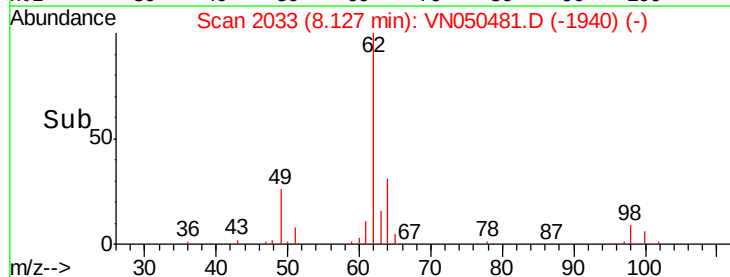
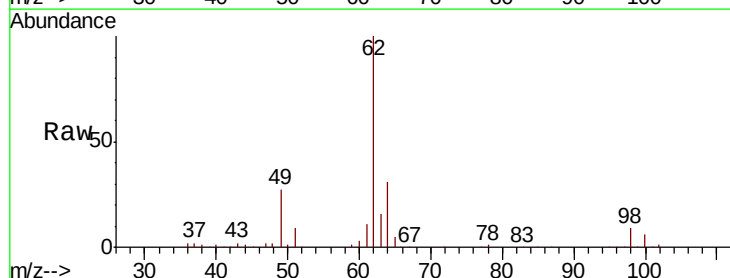
Manual Integrations
APPROVED

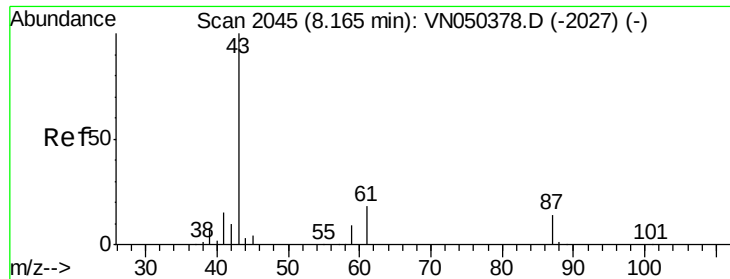
MMDadoda
8/10/2018 10:52:45 AM



#42
1,2-Dichloroethane
Concen: 19.62 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion	62	Resp	236319
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.8





#43

Isopropyl Acetate

Concen: 18.34 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

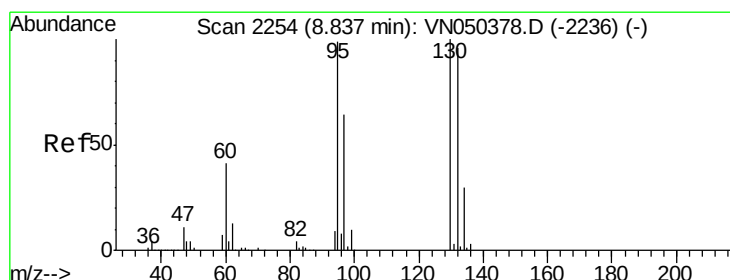
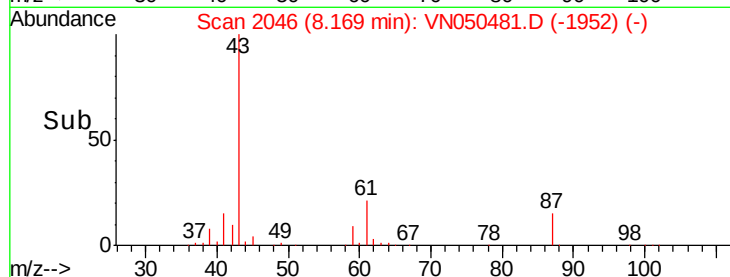
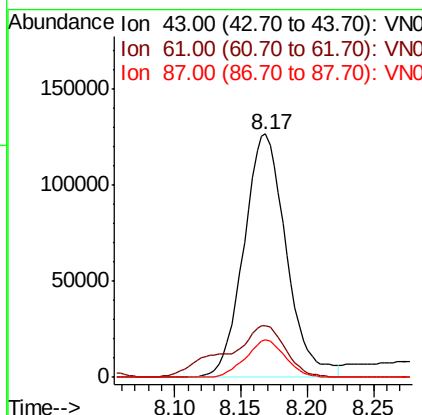
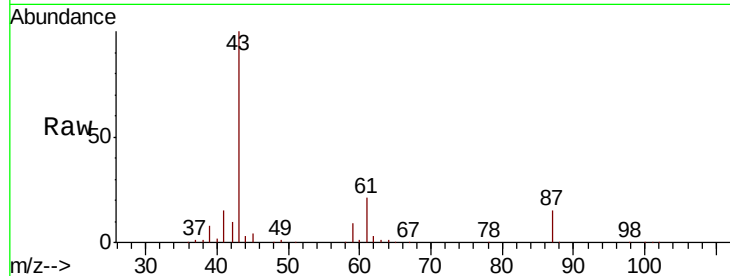
ClientSampleId :

VN0809WBS01

Tot Ion:	43	Resp:	281373
Ion	Ratio	Lower	Upper
43	100		
61	29.2	15.8	23.6#
87	14.5	10.3	15.5

Manual Integrations
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MMDadoda
8/10/2018 10:52:45 AM



#44

Trichloroethene

Concen: 19.79 ug/l

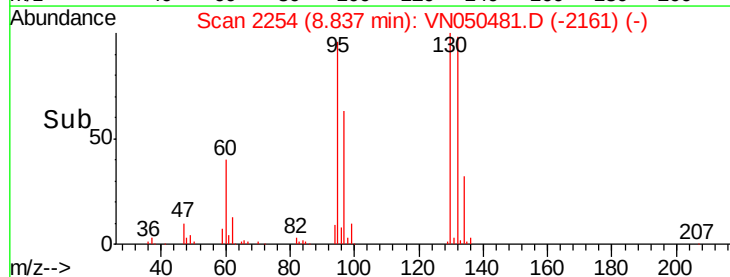
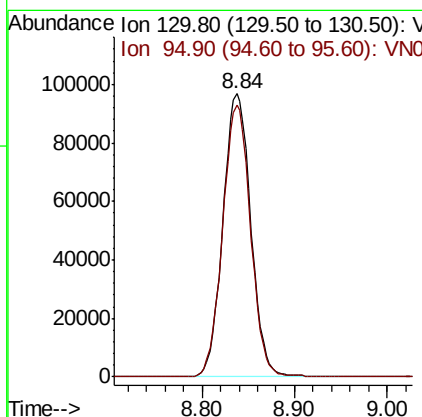
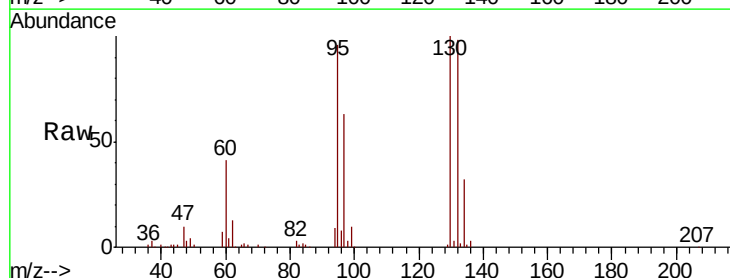
RT: 8.84 min Scan# 2254

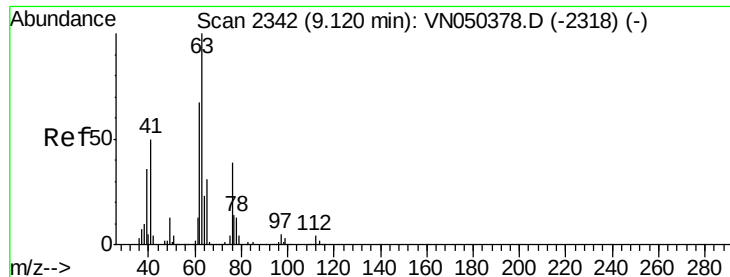
Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Tgt Ion:	130	Resp:	201829
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	194.6





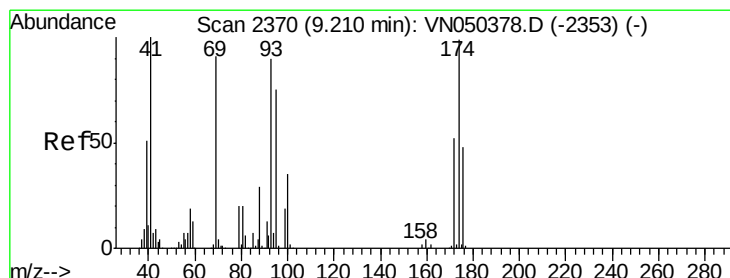
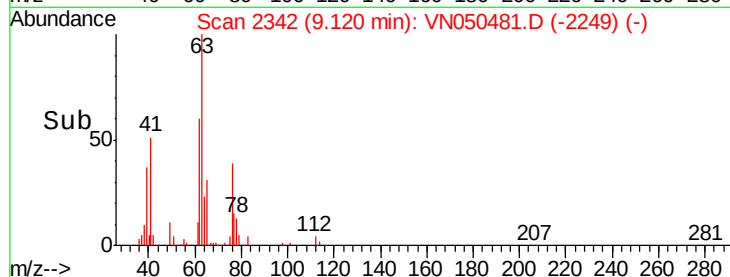
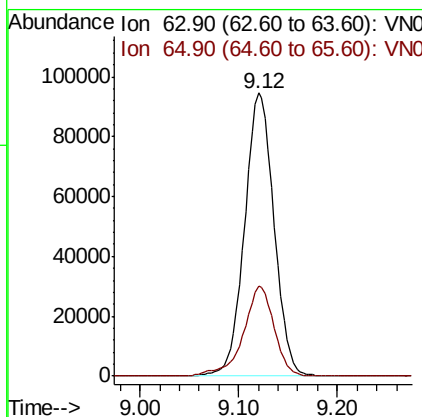
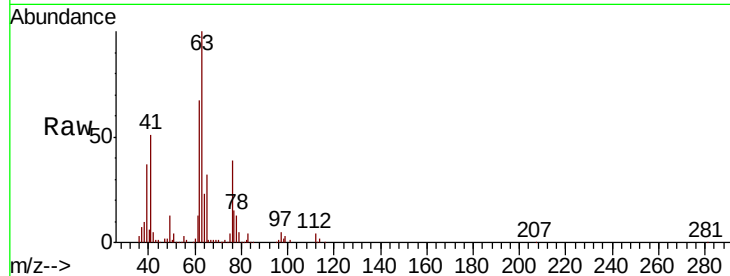
#45
 1,2-Dichloropropane
 Concen: 19.51 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.5	38.3

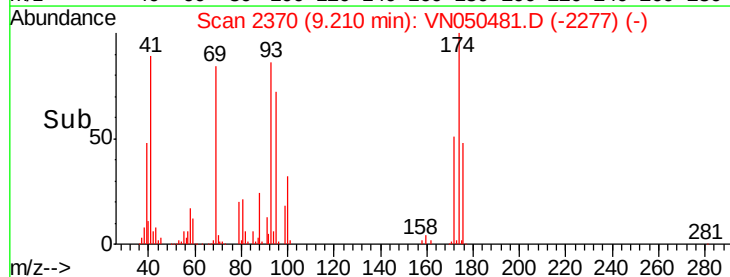
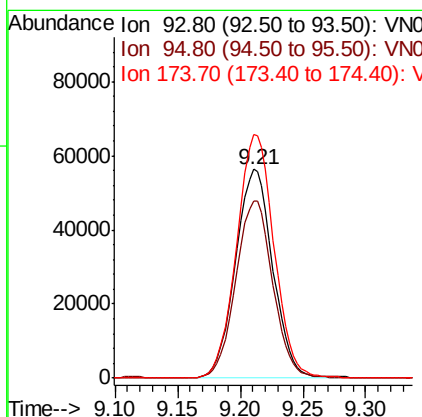
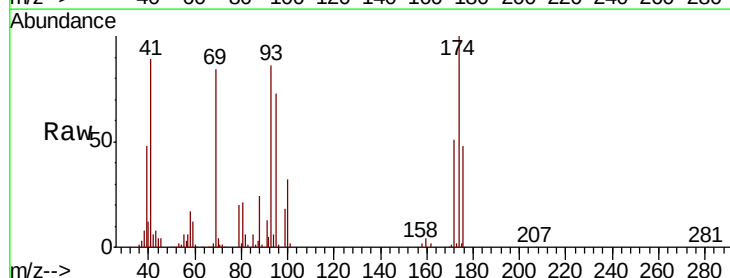
Manual Integrations
 APPROVED

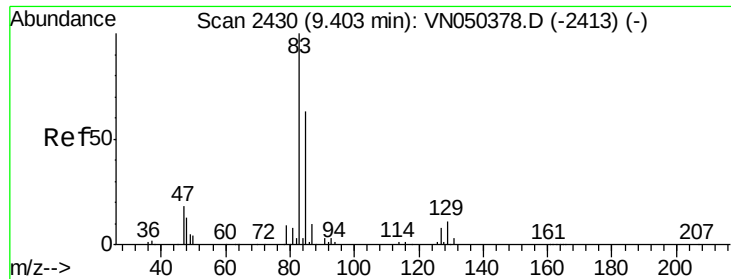
MMDadoda
 8/10/2018 10:52:45 AM



#46
 Dibromomethane
 Concen: 18.98 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	66.6	100.0
174	116.8	87.1	130.7





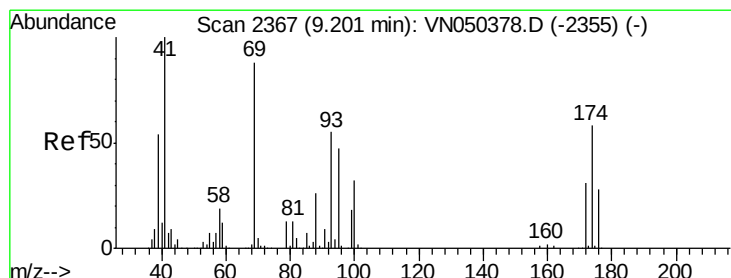
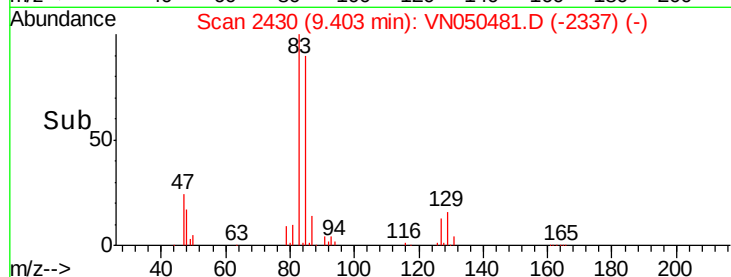
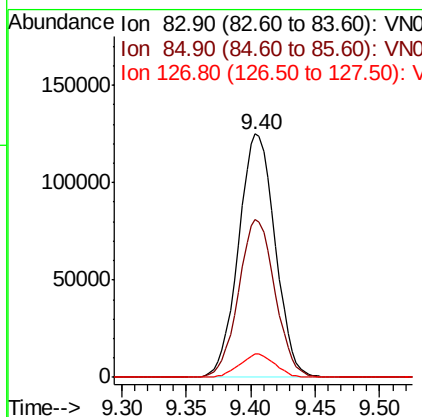
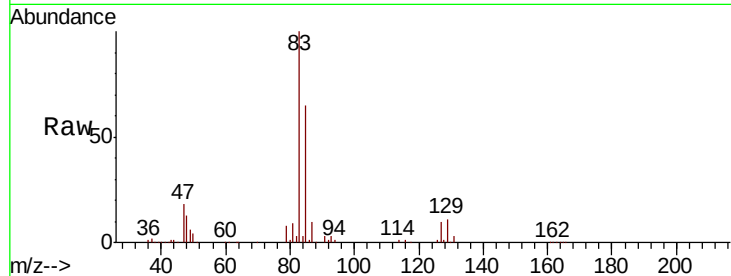
#47
Bromodichloromethane
Concen: 19.38 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	247253		
85	64.8	51.1	76.7	
127	9.6	7.0	10.4	

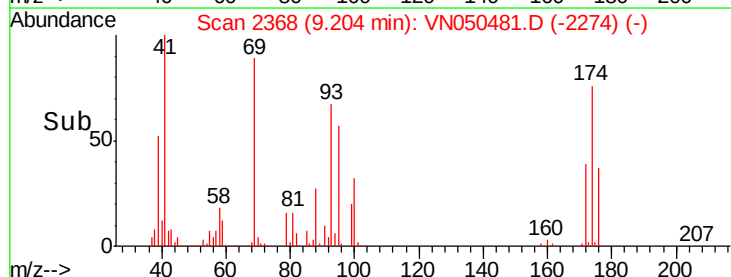
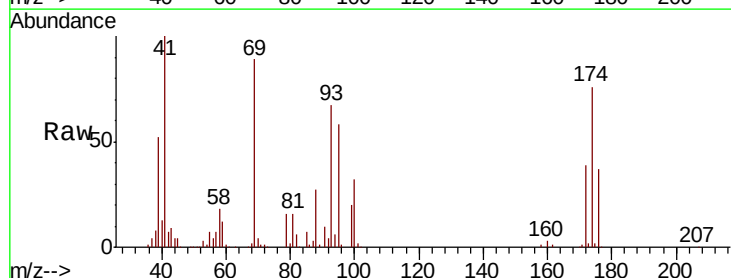
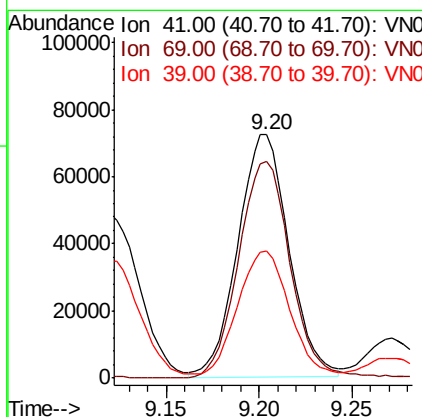
Manual Integrations
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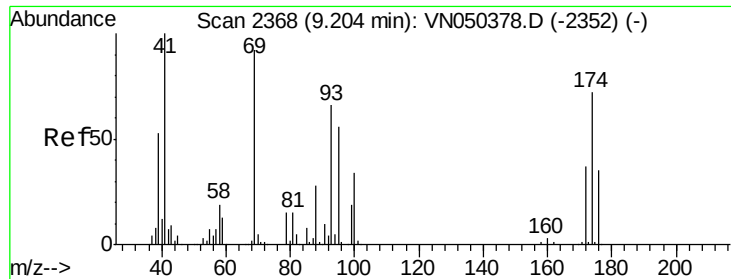
MMDadoda
8/10/2018 10:52:45 AM



#48
Methyl methacrylate
Concen: 18.08 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	139067		
69	90.9	70.6	105.8	
39	53.1	43.9	65.9	





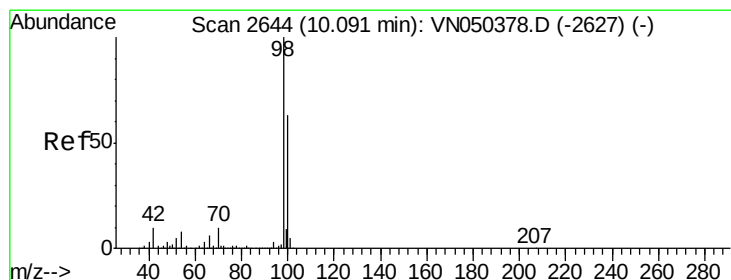
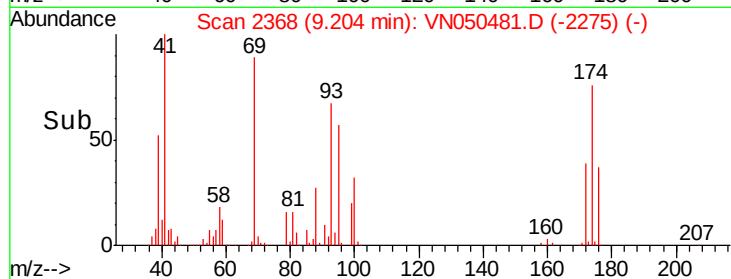
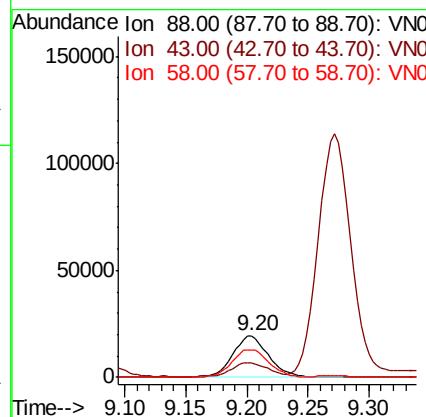
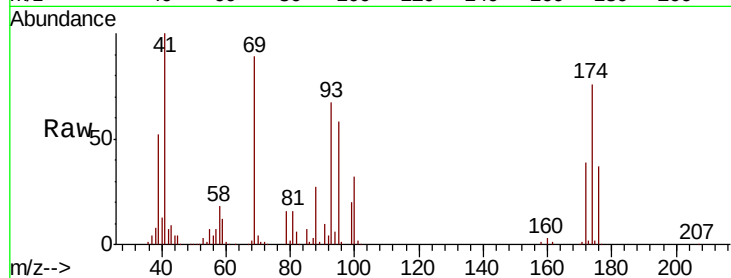
#49
1,4-Dioxane
Concen: 333.89 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS01

Tot Ion	88	Resp	39581
Ion	Ratio	Lower	Upper
88	100		
43	32.2	26.9	40.3
58	69.3	57.3	85.9

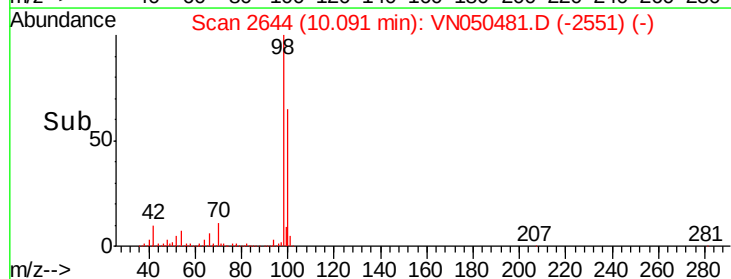
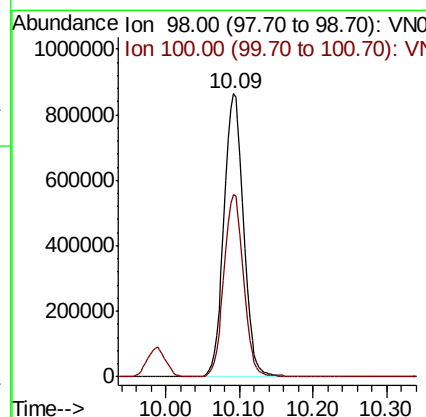
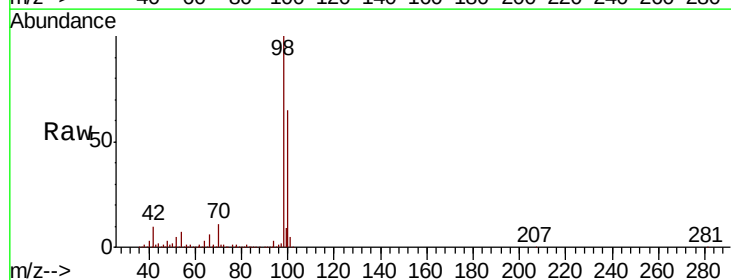
Manual Integrations
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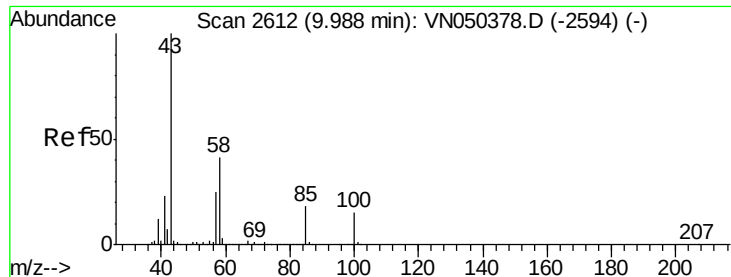
MMDadoda
8/10/2018 10:52:45 AM



#50
Toluene-d8
Concen: 47.31 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion	98	Resp	1603271
Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 90.03 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

Tot Ion: 43 Resp: 994908

Ion Ratio Lower Upper

43 100

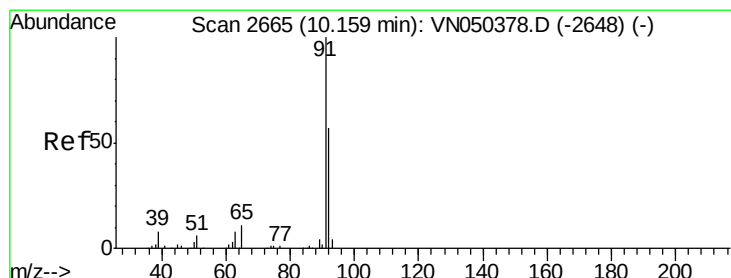
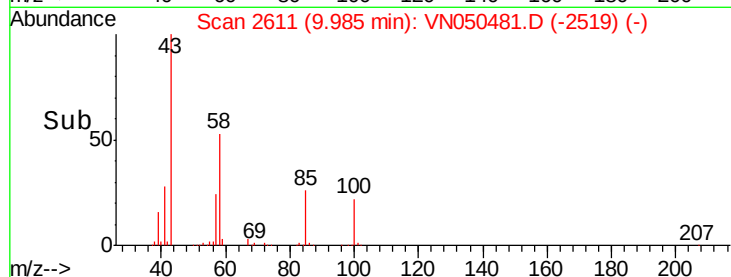
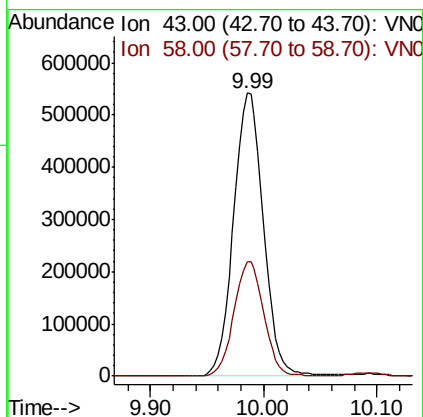
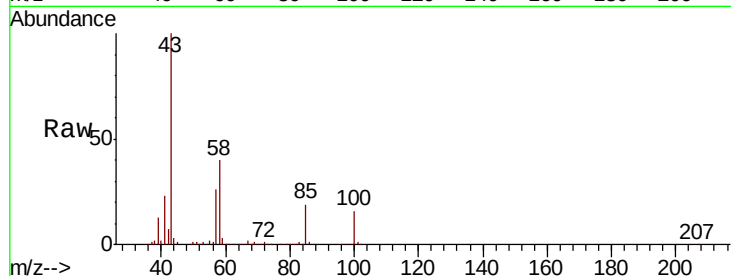
58 40.5 31.9 47.9

Manual Integrations

APPROVED

MMDadoda

8/10/2018 10:52:45 AM



#52

Toluene

Concen: 20.16 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050481.D

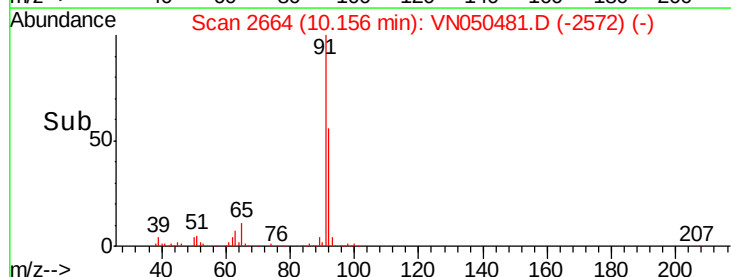
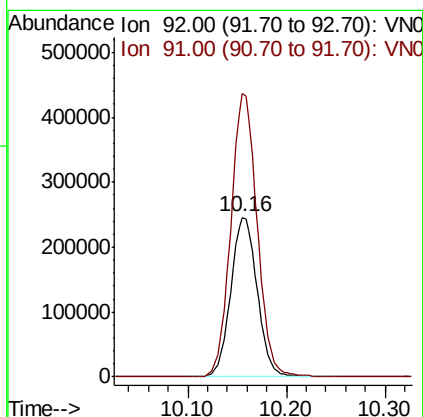
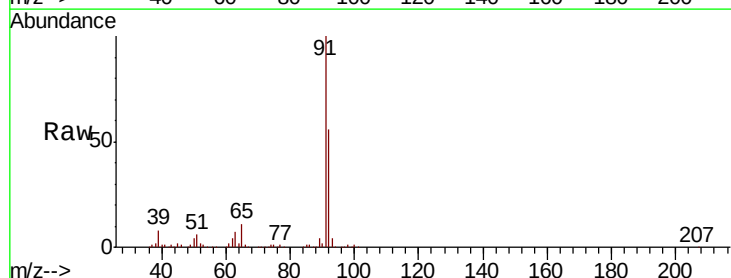
Acq: 9 Aug 2018 13:22

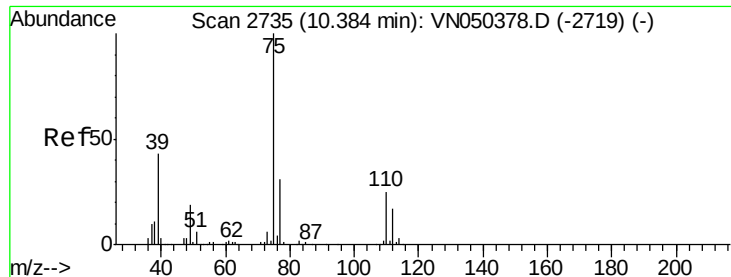
Tgt Ion: 92 Resp: 459518

Ion Ratio Lower Upper

92 100

91 177.0 140.3 210.5





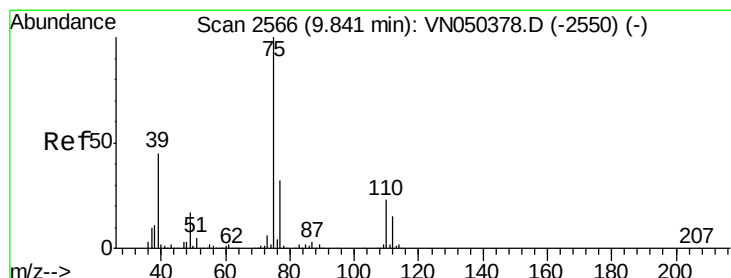
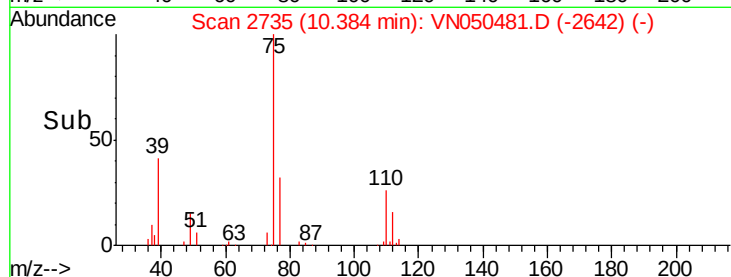
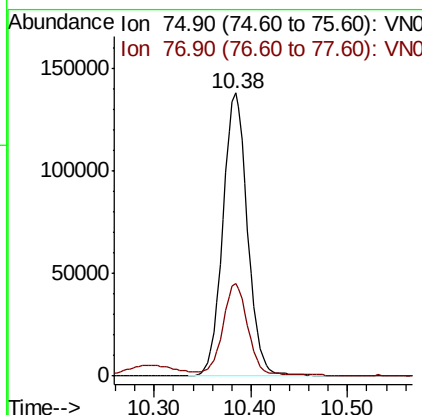
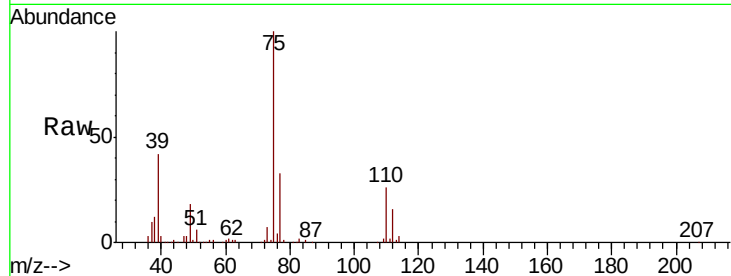
#53
t-1,3-Dichloropropene
Concen: 19.10 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0809WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.9	37.3

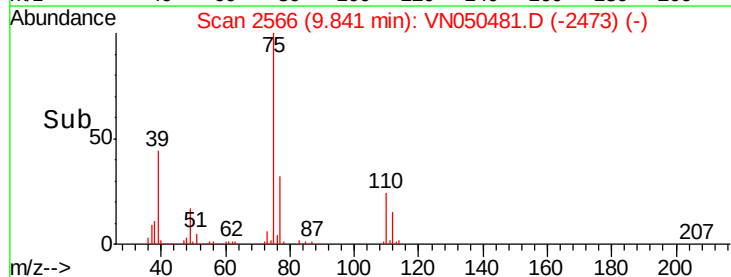
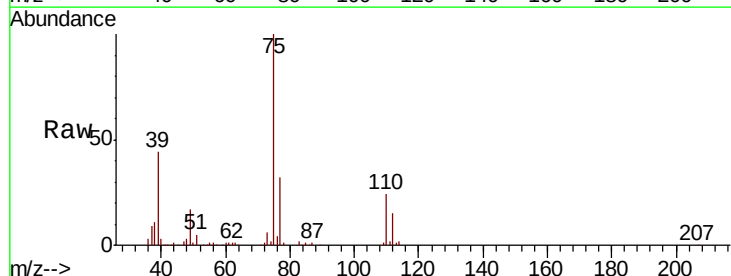
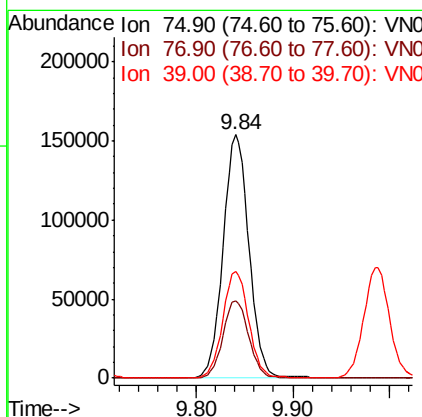
Manual Integrations
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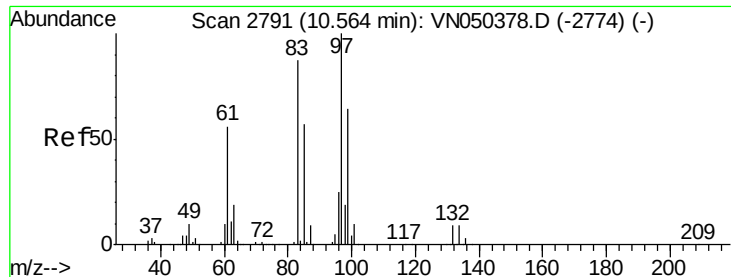
MMDadoda
8/10/2018 10:52:45 AM



#54
cis-1,3-Dichloropropene
Concen: 19.97 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3
39	43.7	36.6	55.0





#55

1,1,2-Trichloroethane

Concen: 19.61 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0809WBS01

Tot Ion: 97 Resp: 174494

Ion Ratio Lower Upper

97 100

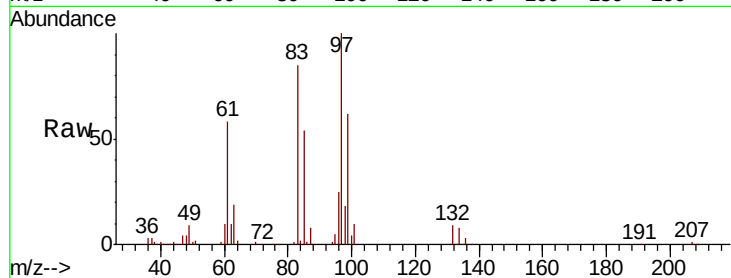
83 84.9 69.2 103.8

85 54.1 44.0 66.0

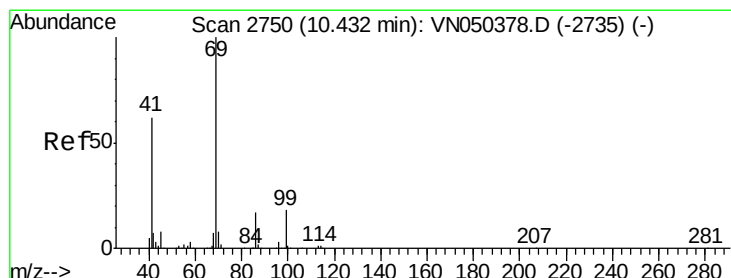
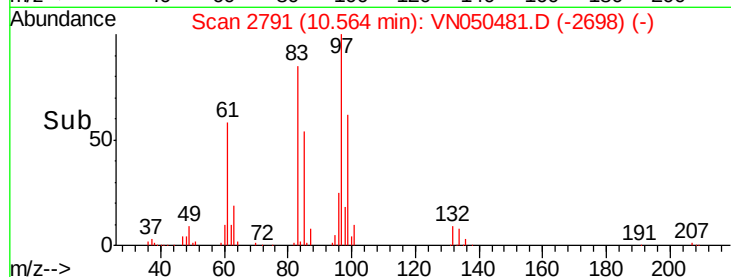
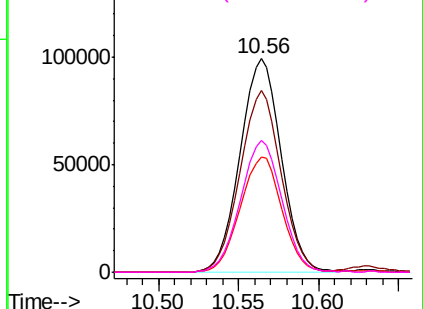
99 61.7 49.9 74.9

Manual Integrations
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MMDadoda
8/10/2018 10:52:45 AM



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 17.99 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

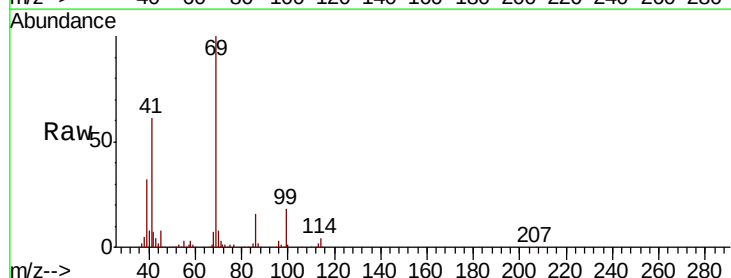
Tgt Ion: 69 Resp: 212220

Ion Ratio Lower Upper

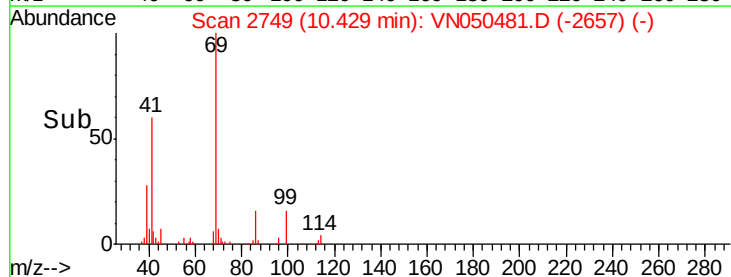
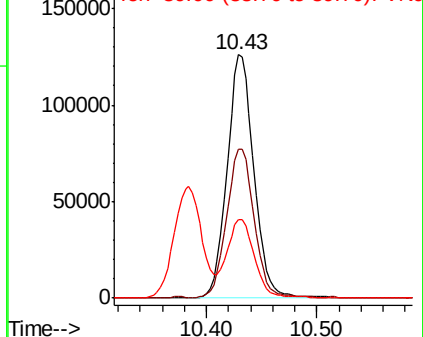
69 100

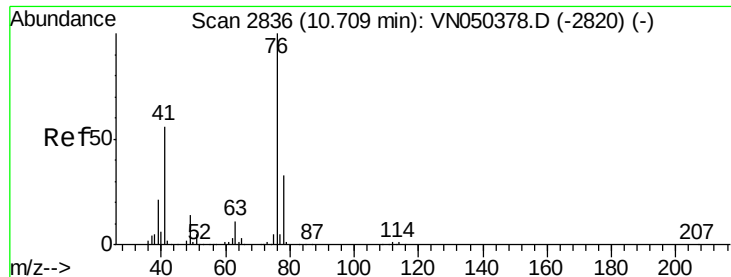
41 62.2 51.0 76.4

39 32.4 26.6 40.0



Abundance Ion 69.00 (68.70 to 69.70): VNO
Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 19.61 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0809WBS01

Tot Ion: 76 Resp: 286446

Ion Ratio Lower Upper

76 100

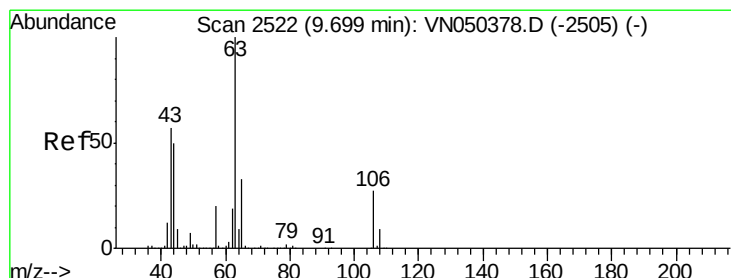
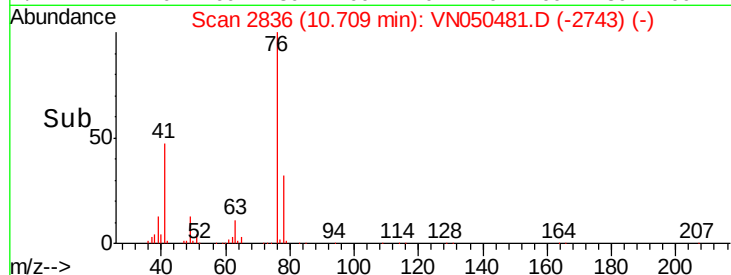
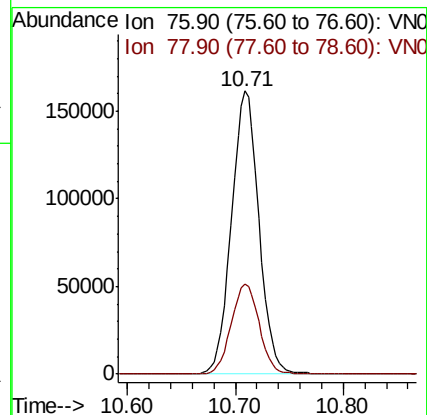
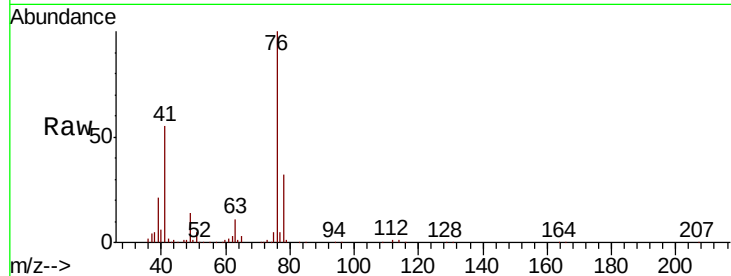
78 32.7 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

8/10/2018 10:52:45 AM



#58

2-Chloroethyl Vinyl ether

Concen: 86.98 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050481.D

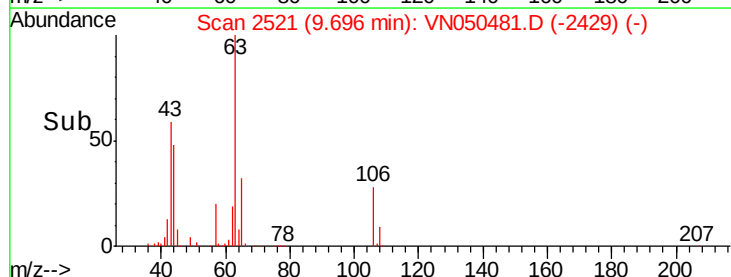
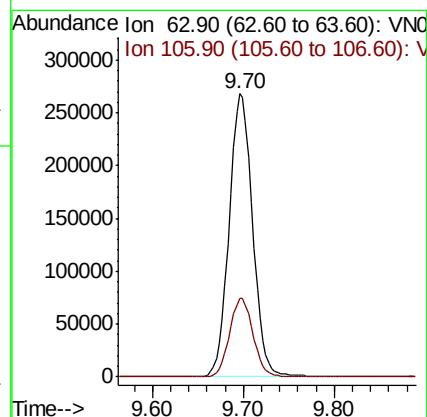
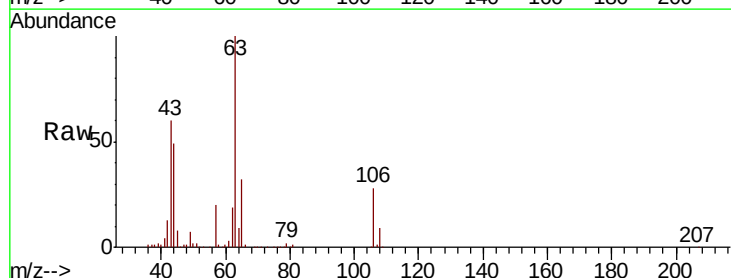
Acq: 9 Aug 2018 13:22

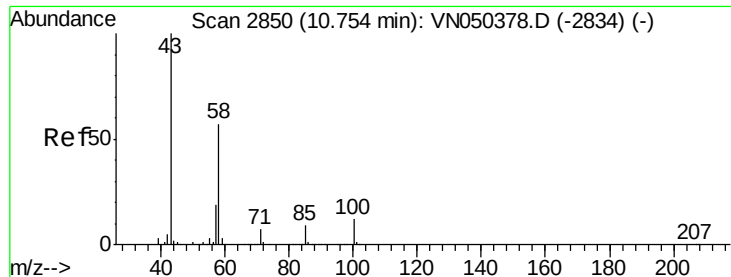
Tgt Ion: 63 Resp: 481397

Ion Ratio Lower Upper

63 100

106 27.9 21.7 32.5





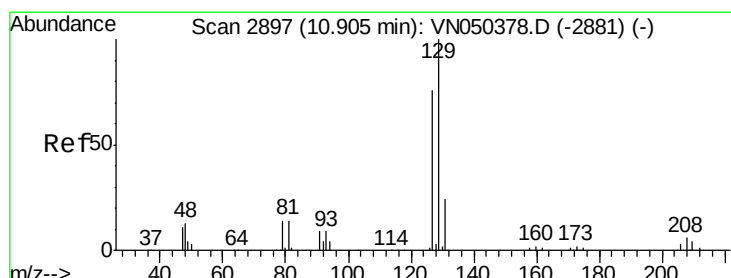
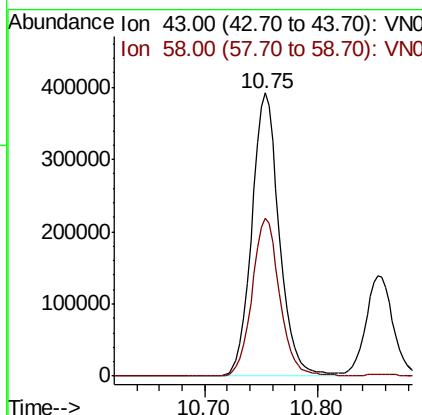
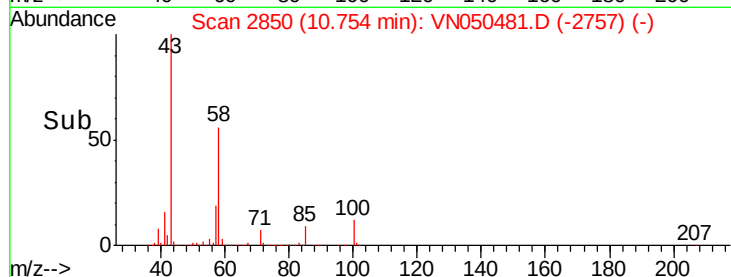
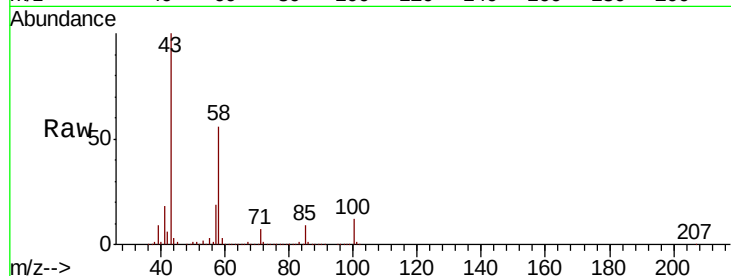
#59
2-Hexanone
Concen: 85.29 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS01

Tot Ion	43	Resp	657793
Ion Ratio	100	Lower	Upper
43	100		
58	56.3	27.6	82.7

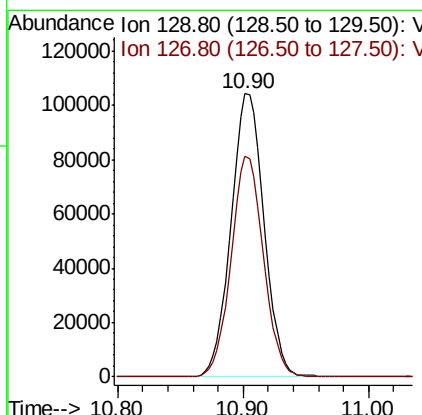
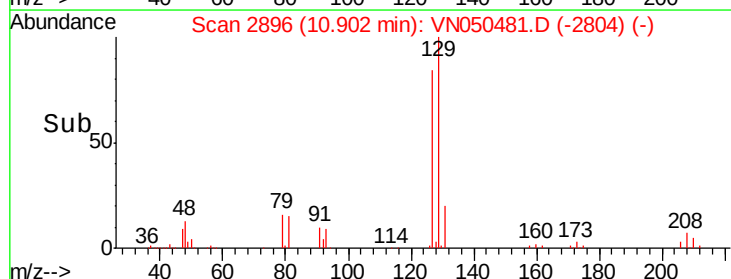
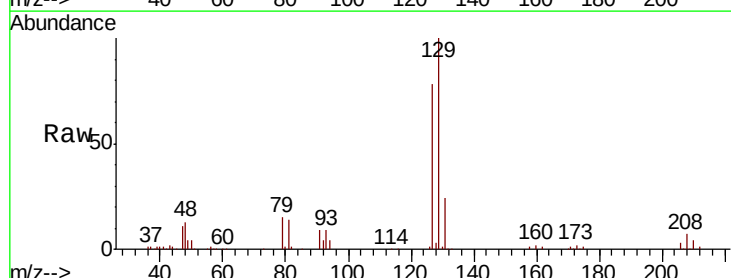
Manual Integrations
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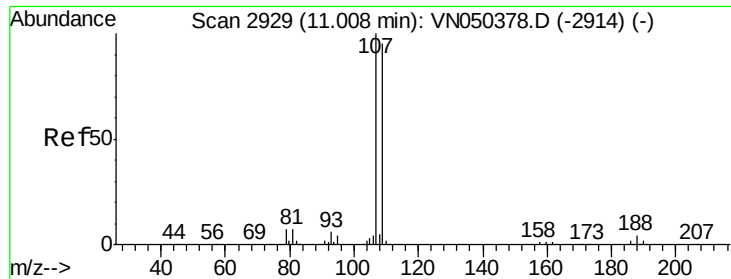
MMDadoda
8/10/2018 10:52:45 AM



#60
Dibromochloromethane
Concen: 19.42 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion	129	Resp	190335
Ion Ratio	100	Lower	Upper
129	100		
127	76.4	38.0	113.9





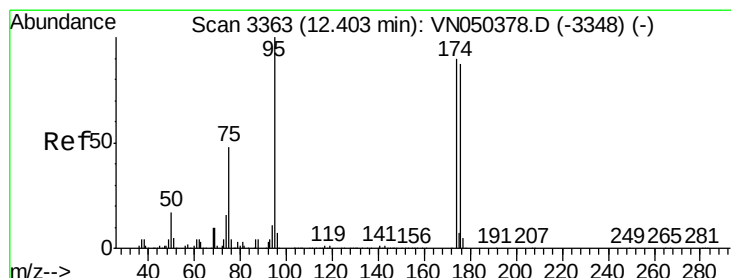
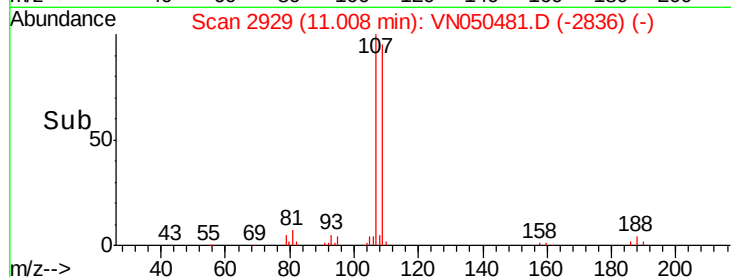
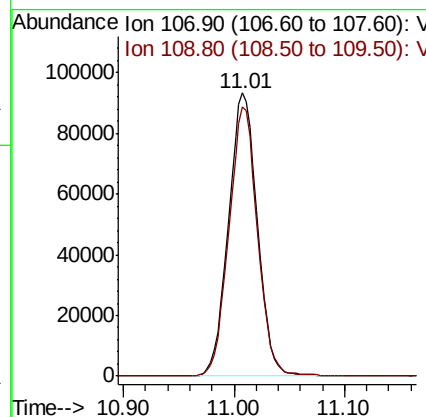
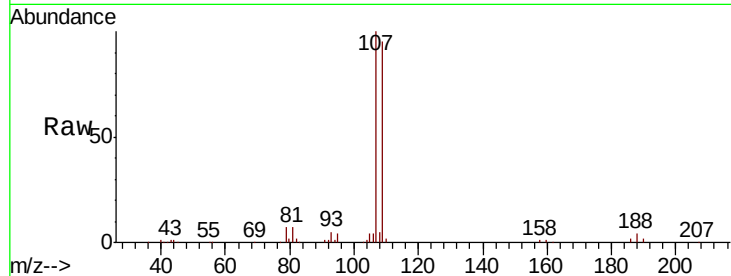
#61
 1,2-Dibromoethane
 Concen: 19.26 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.6	112.0

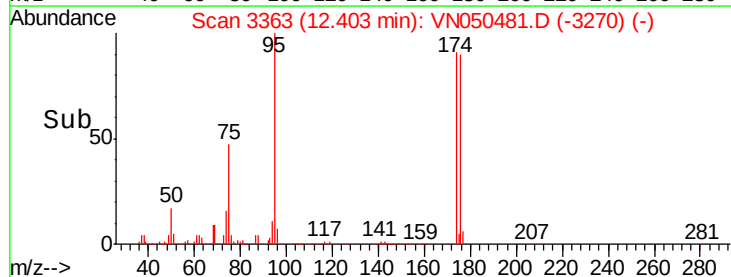
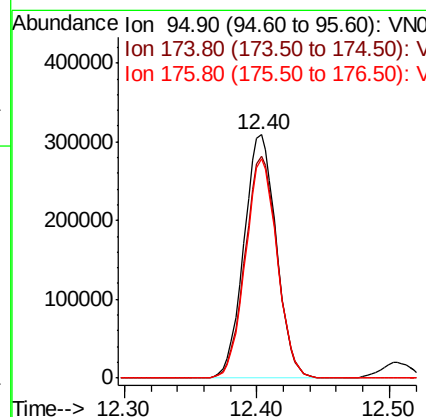
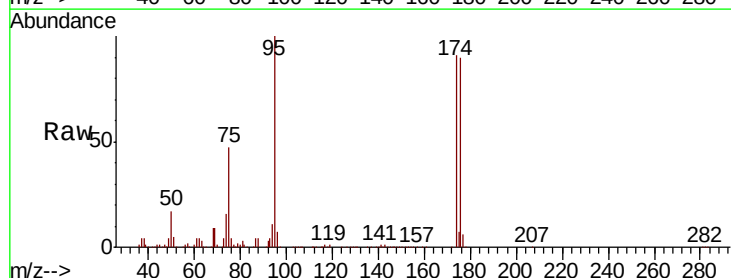
Manual Integrations
 APPROVED

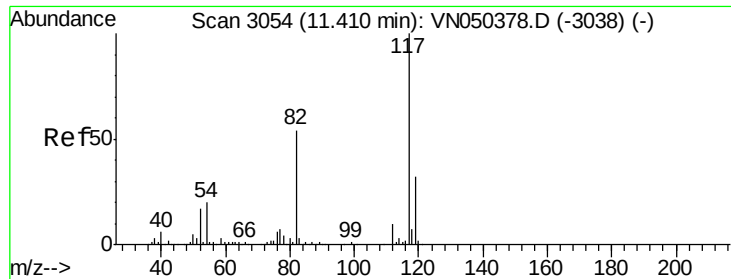
MMDadoda
 8/10/2018 10:52:45 AM



#62
 4-Bromofluorobenzene
 Concen: 45.26 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.8	0.0	178.2
176	88.3	0.0	173.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

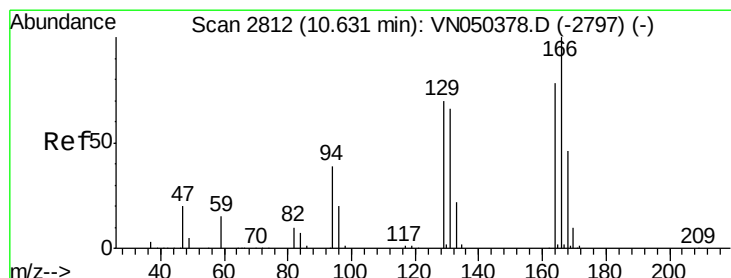
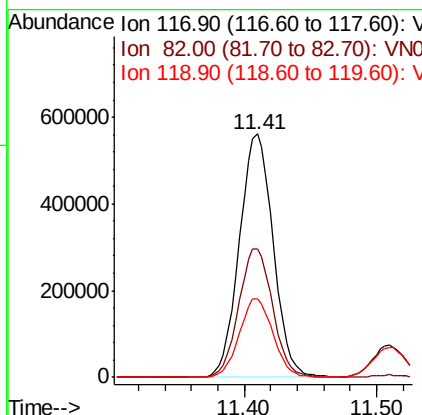
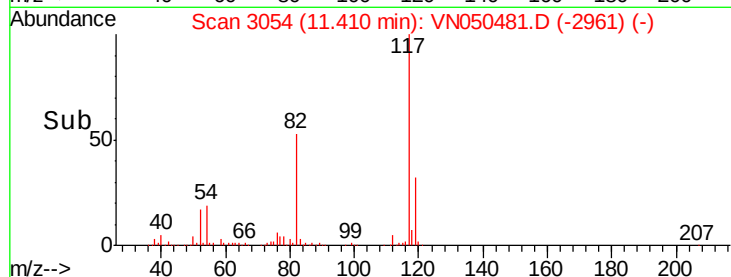
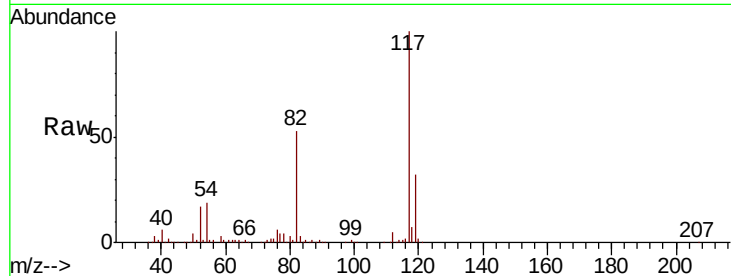
ClientSampleId :

VN0809WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	991914		
82	52.8	43.7	65.5	
119	32.3	26.1	39.1	

Manual Integrations
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MMDadoda
8/10/2018 10:52:45 AM



#64

Tetrachloroethene

Concen: 20.51 ug/l

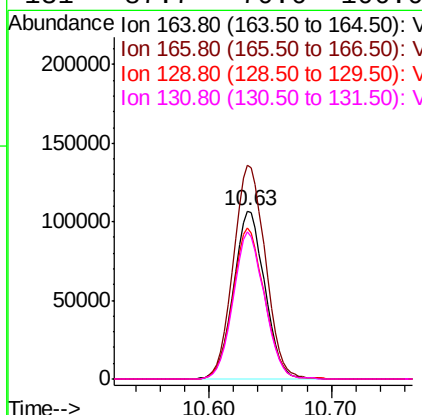
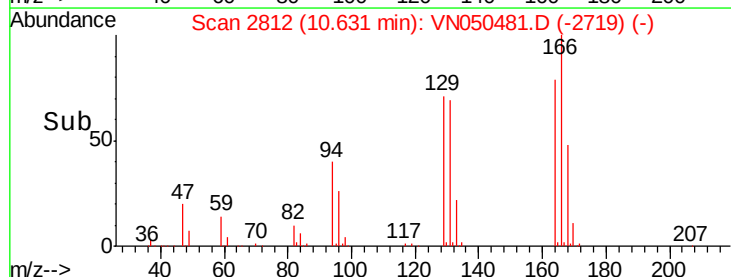
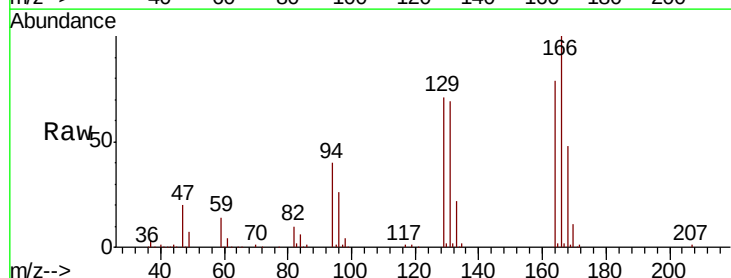
RT: 10.63 min Scan# 2812

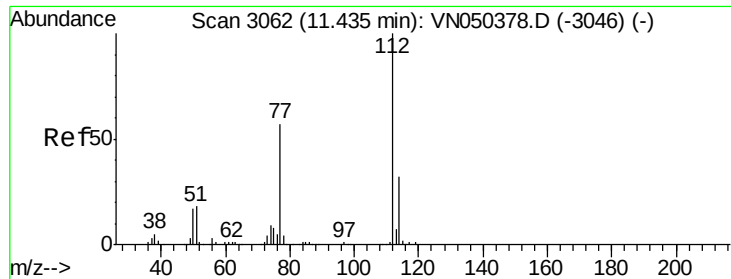
Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	190100		
166	127.0	102.1	153.1	
129	89.9	73.2	109.8	
131	87.7	70.6	106.0	





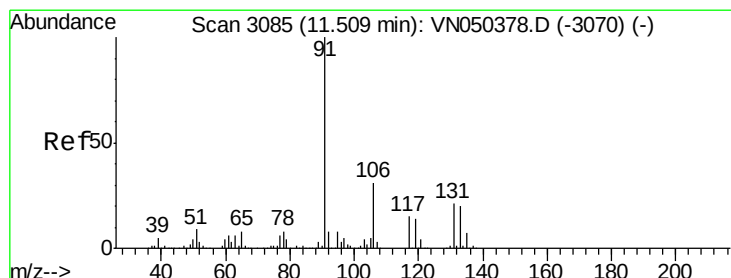
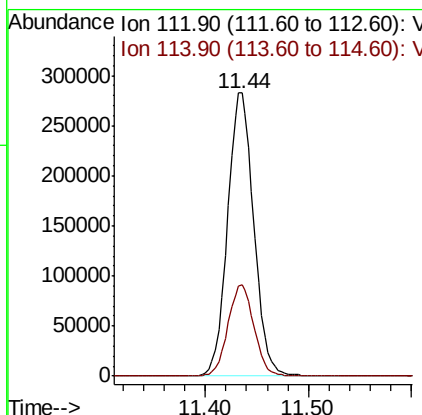
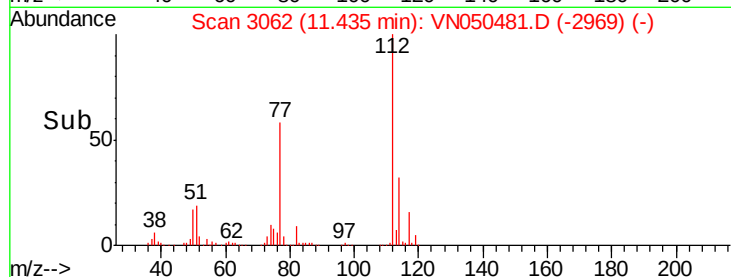
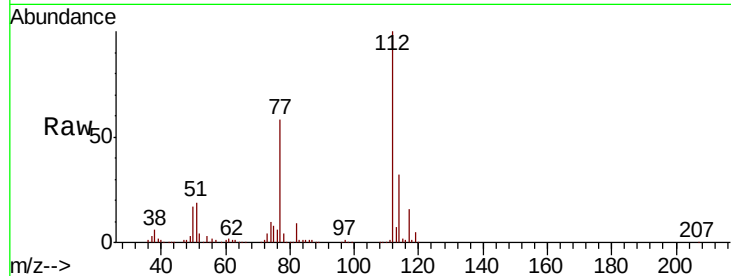
#65
Chlorobenzene
Concen: 20.11 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	500141		
114	32.4	25.6	38.4	

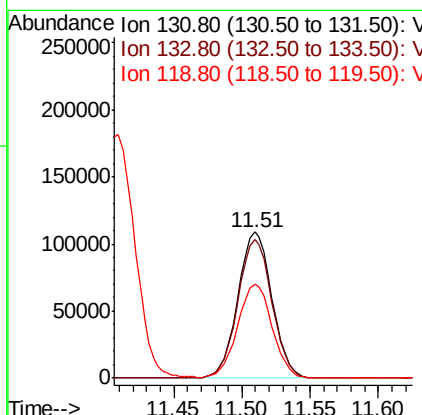
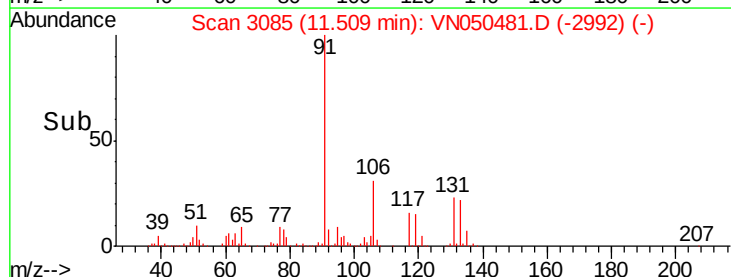
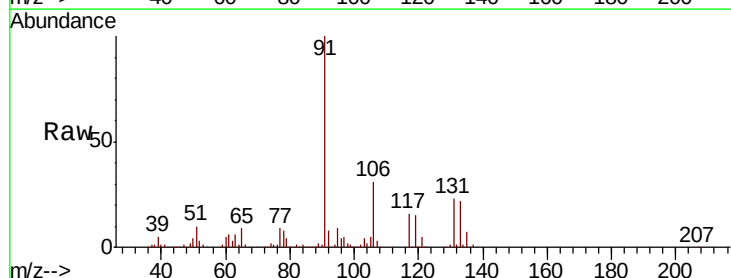
Manual Integrations
APPROVED

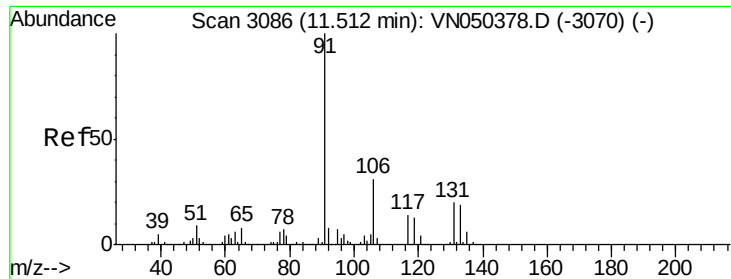
MMDadoda
8/10/2018 10:52:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.87 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	188862		
133	95.3	47.3	141.9	
119	65.1	32.9	98.7	





#67

Ethyl Benzene

Concen: 20.65 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0809WBS01

Tot Ion: 91 Resp: 830158

Ion Ratio Lower Upper

91 100

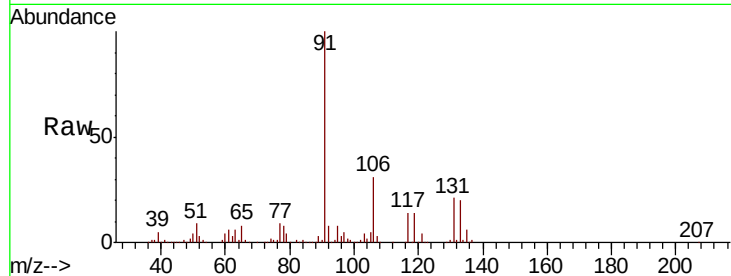
106 31.3 25.0 37.4

Manual Integrations

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MMDadoda

8/10/2018 10:52:45 AM



Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3070) (-)

Ion 106.00 (105.70 to 106.70): VN050378.D (-3070) (-)

800000

600000

400000

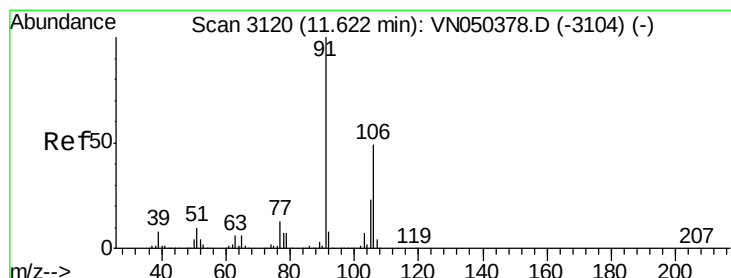
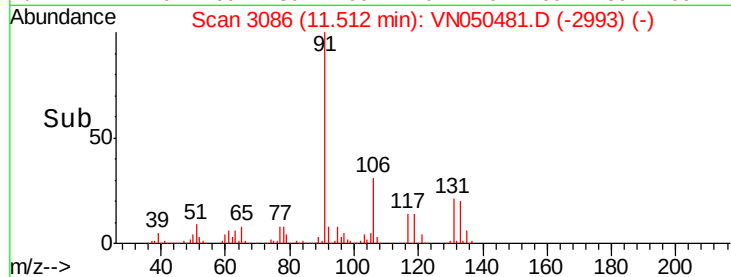
200000

0

11.51

11.60

Time-->



#68

m/p-Xylenes

Concen: 42.21 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050481.D

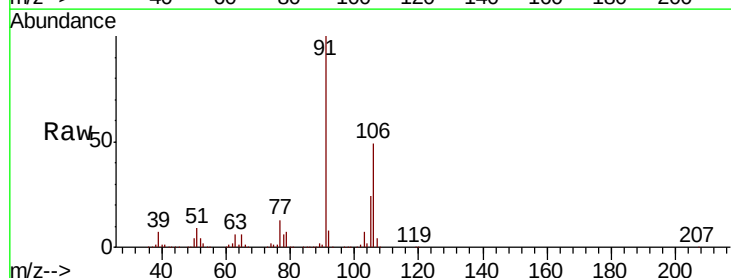
Acq: 9 Aug 2018 13:22

Tgt Ion: 106 Resp: 645908

Ion Ratio Lower Upper

106 100

91 203.0 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): VN050378.D (-3104) (-)

Ion 91.00 (90.70 to 91.70): VN050378.D (-3104) (-)

800000

600000

400000

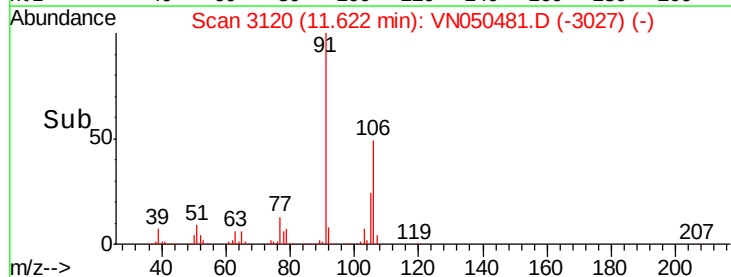
200000

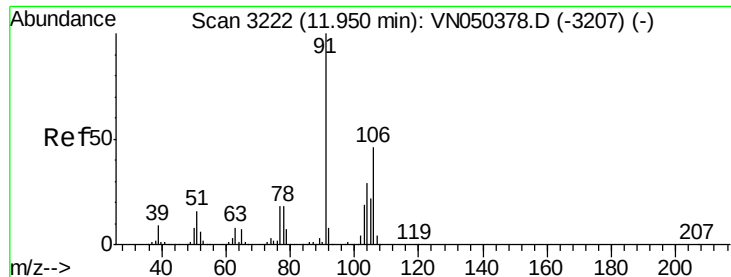
0

11.62

11.70

Time-->





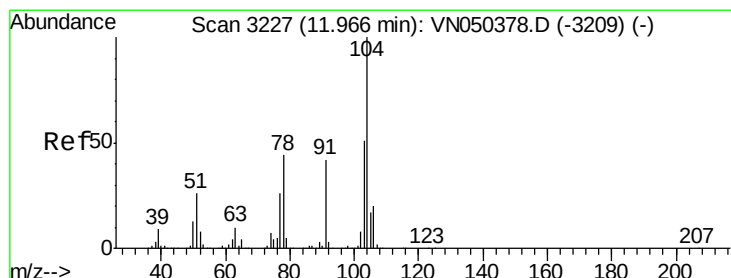
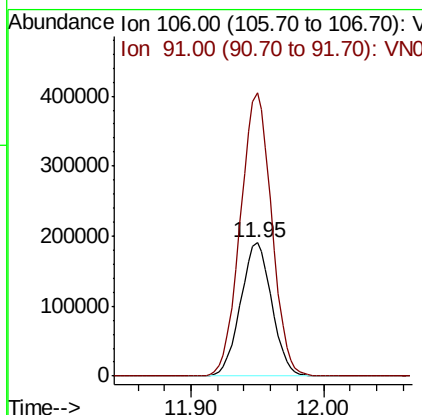
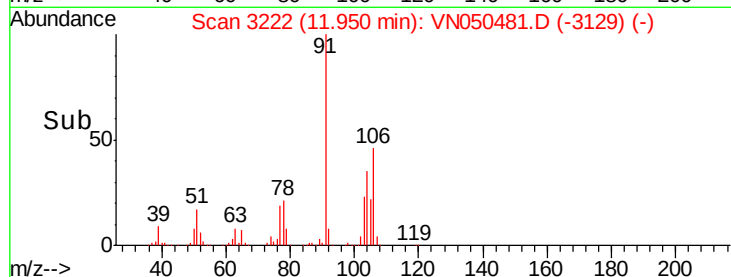
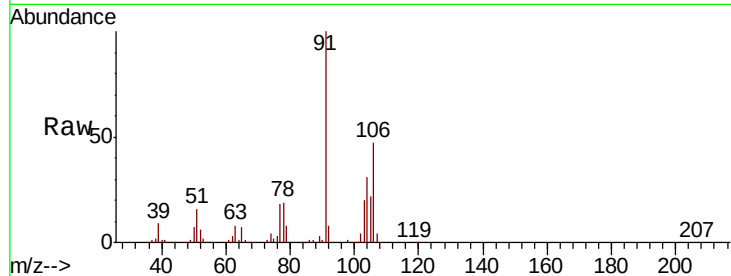
#69
o-Xylene
Concen: 21.11 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0809WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.2	107.7	323.1

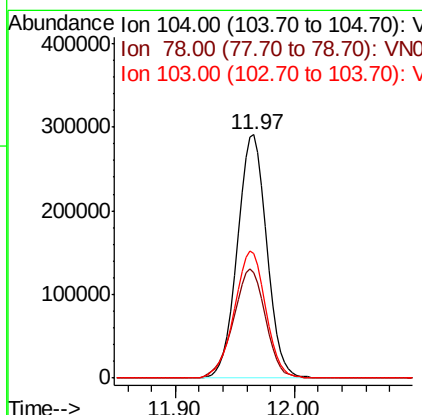
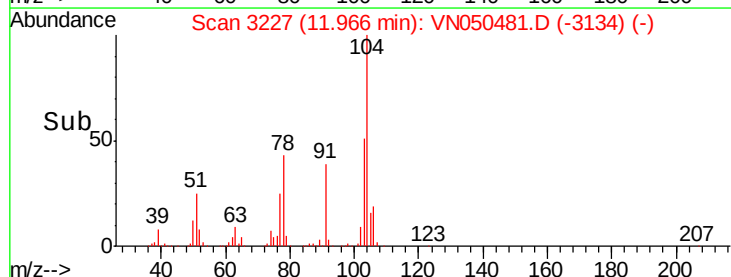
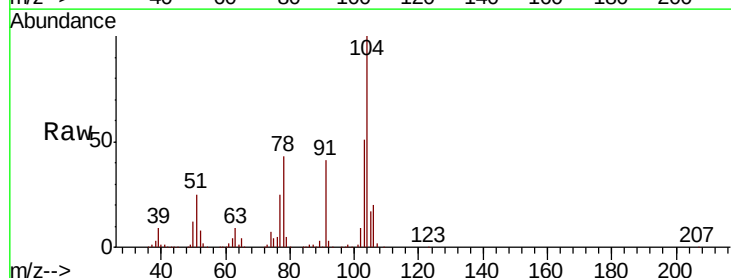
Manual Integrations
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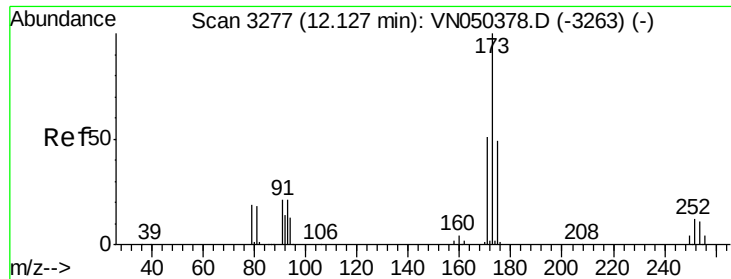
MMDadoda
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#70
Styrene
Concen: 20.80 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.3	58.9
103	56.0	45.0	67.6





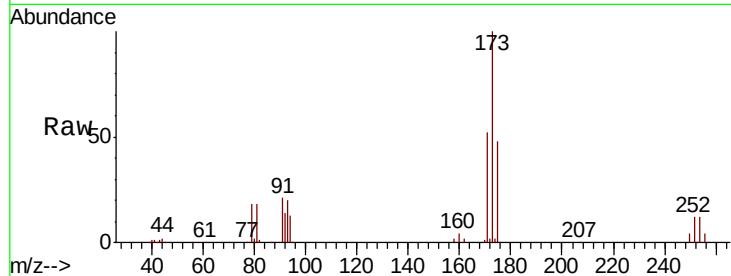
#71
Bromoform
Concen: 19.31 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.1	72.2
254	0.0	0.2	0.2

Manual Integrations
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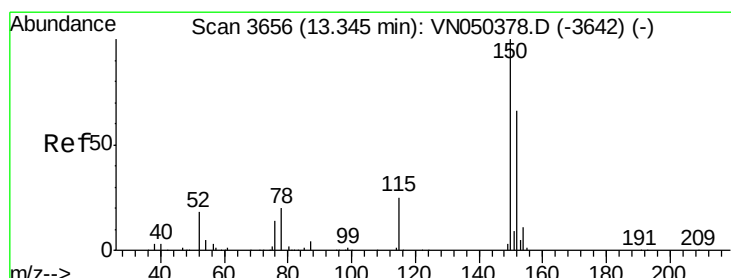
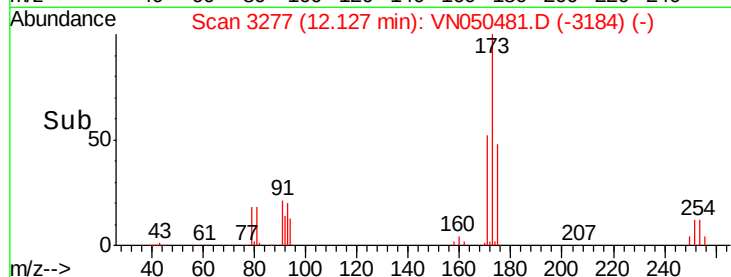
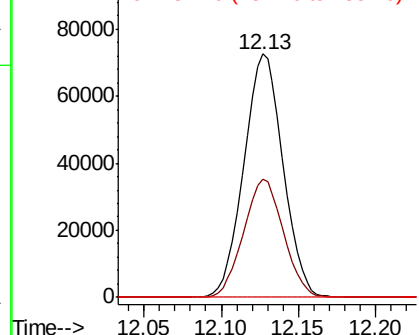


Abundance

Ion 172.70 (172.40 to 173.40): V

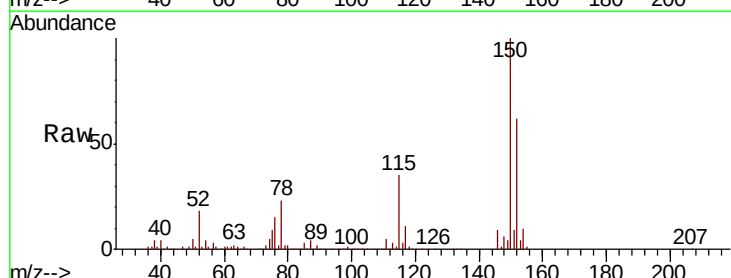
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.8	83.3
150	164.2	0.0	348.6

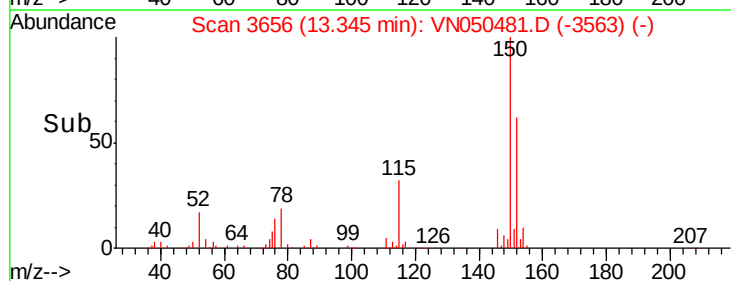
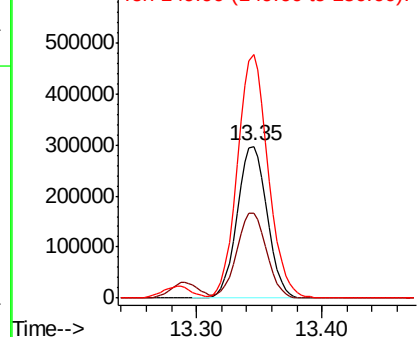


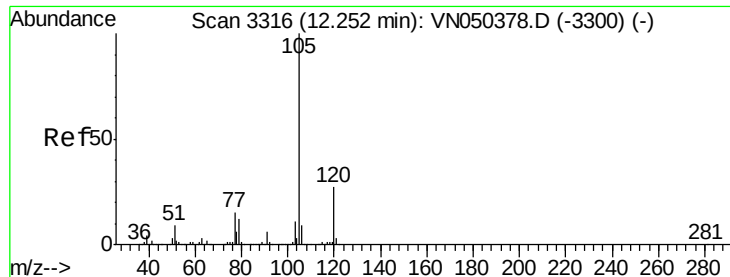
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.98 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

Tot Ion:105 Resp: 813722

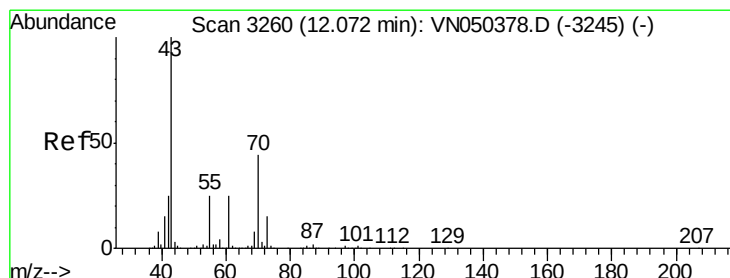
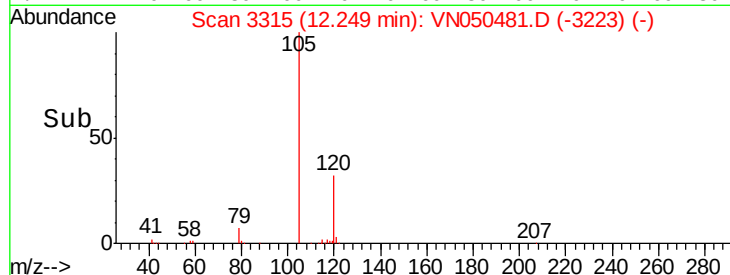
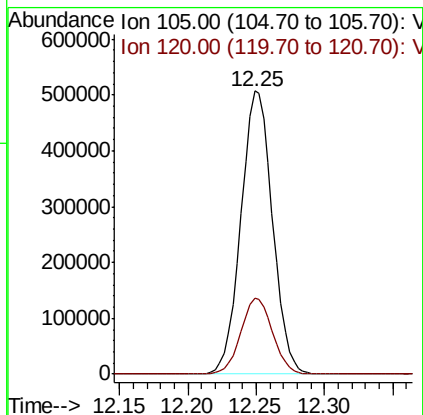
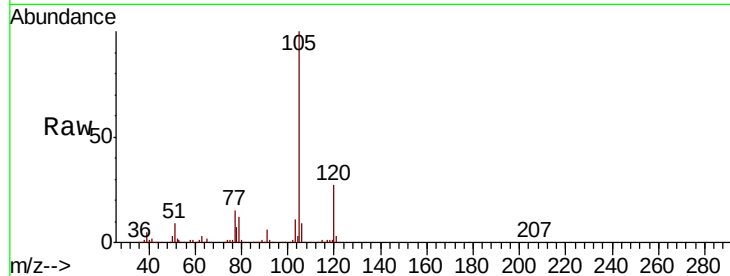
Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.8

Manual Integrations
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8/10/2018 10:52:45 AM



#74

N-ethyl acetate

Concen: 18.59 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Tgt Ion: 43 Resp: 223111

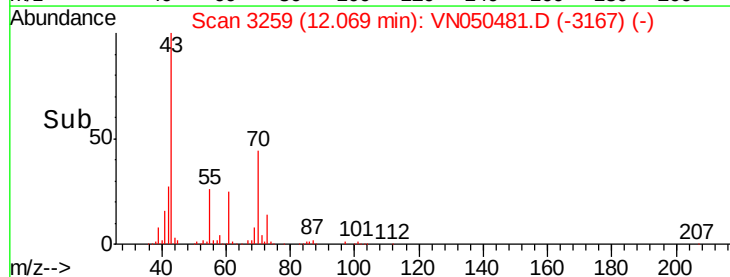
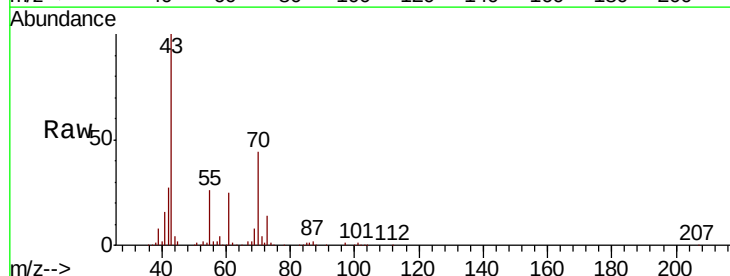
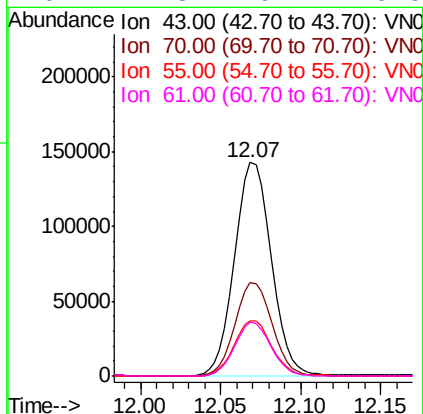
Ion Ratio Lower Upper

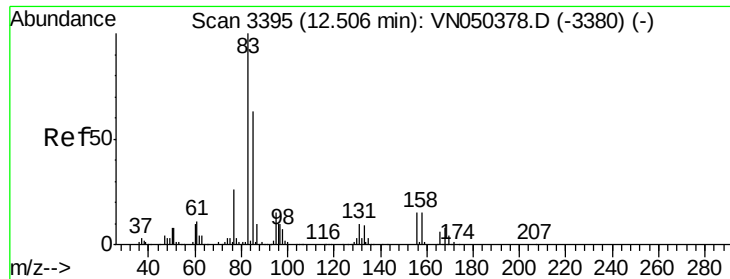
43 100

70 44.5 34.4 51.6

55 26.8 20.8 31.2

61 24.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.92 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

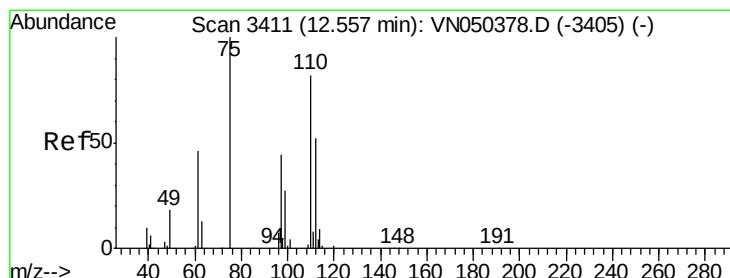
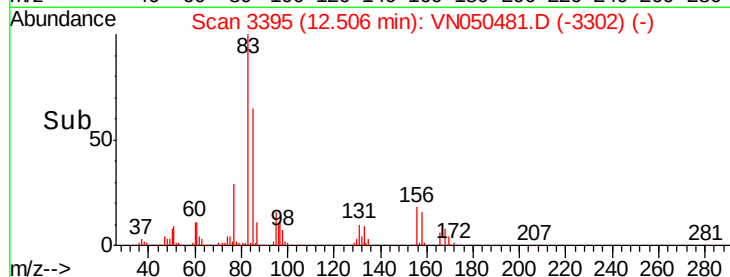
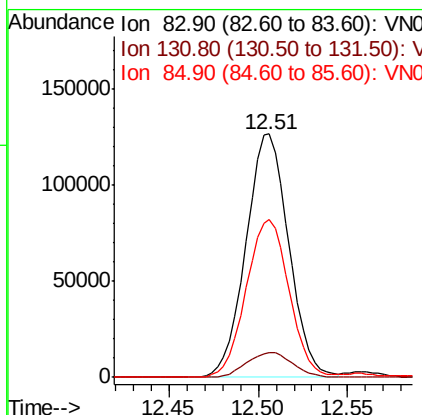
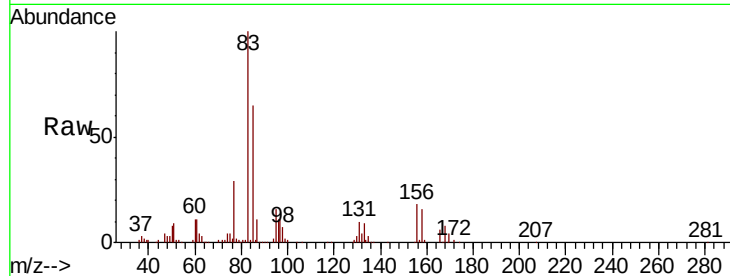
ClientSampleId :

VN0809WBS01

Tot Ion:	83	Resp:	212824
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.1	15.3
85	65.0	32.3	96.8

Manual Integrations
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8/10/2018 10:52:45 AM



#76

1,2,3-Trichloropropane

Concen: 18.27 ug/l m

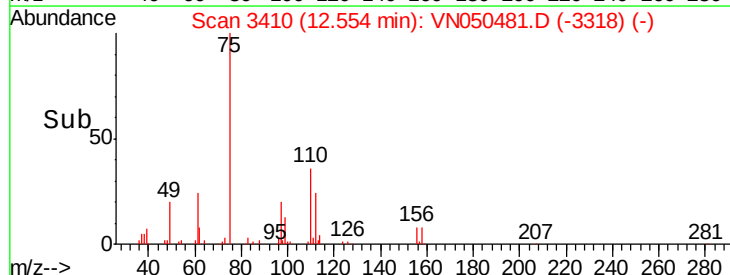
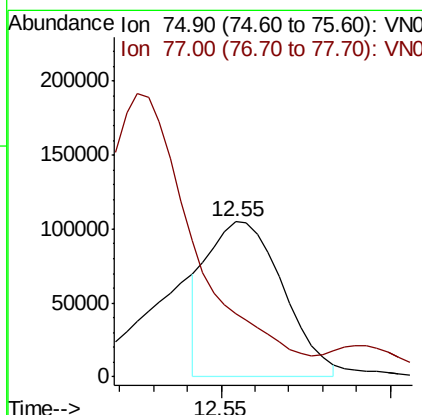
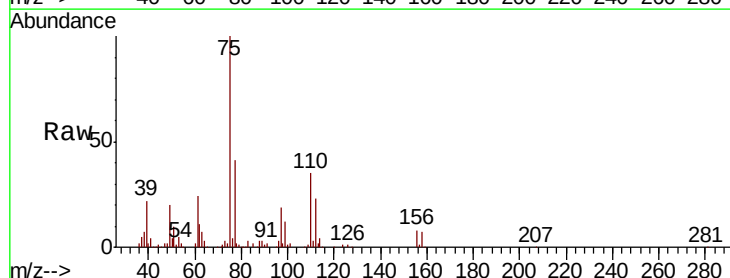
RT: 12.55 min Scan# 3410

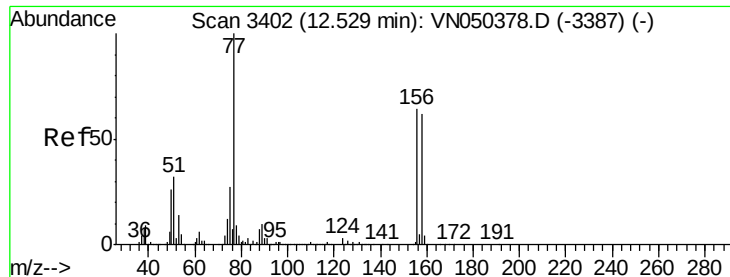
Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Tgt Ion:	75	Resp:	163114
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.56 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

Tot Ion:156 Resp: 213874

Ion Ratio Lower Upper

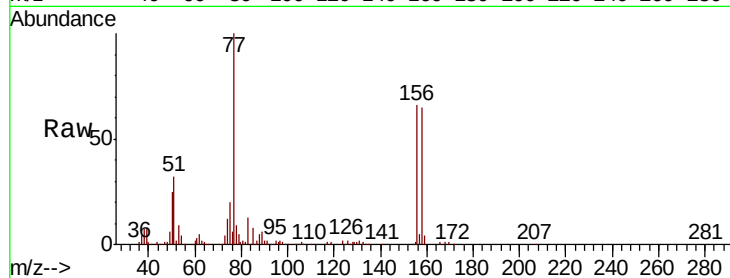
156 100

77 178.6 91.7 275.1

158 97.9 48.9 146.6

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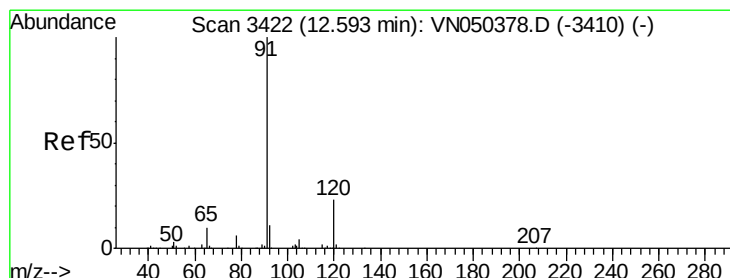
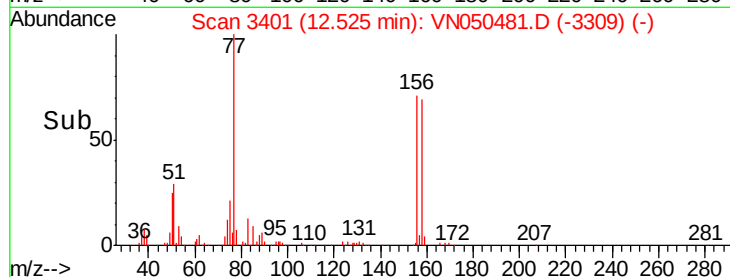
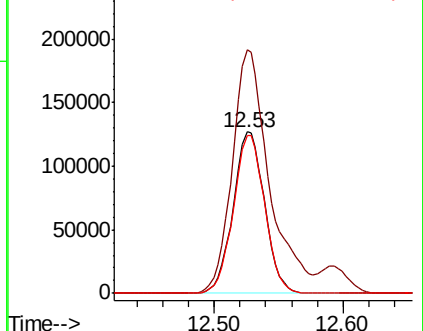
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.53 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050481.D

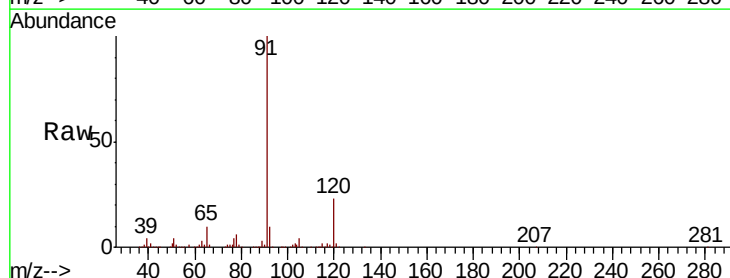
Acq: 9 Aug 2018 13:22

Tgt Ion: 91 Resp: 902442

Ion Ratio Lower Upper

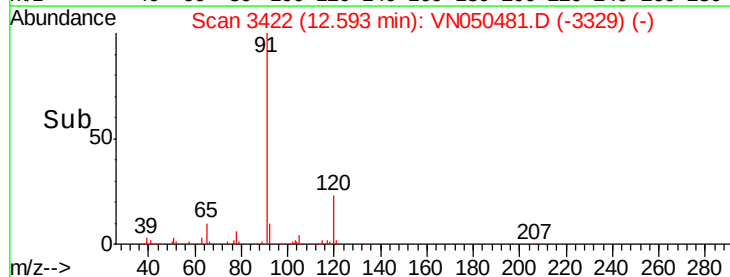
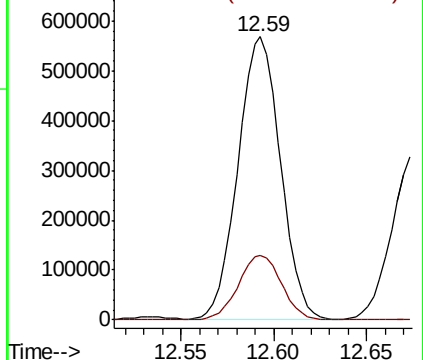
91 100

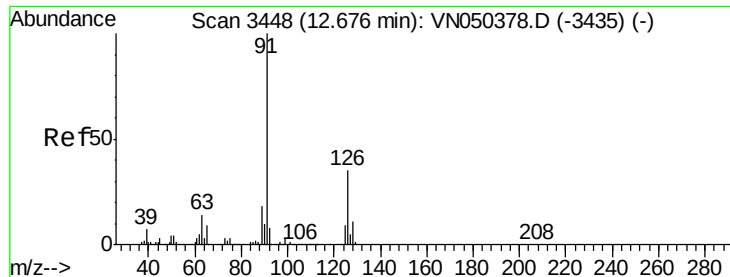
120 23.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.66 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0809WBS01

Tot Ion: 91 Resp: 560631

Ion Ratio Lower Upper

91 100

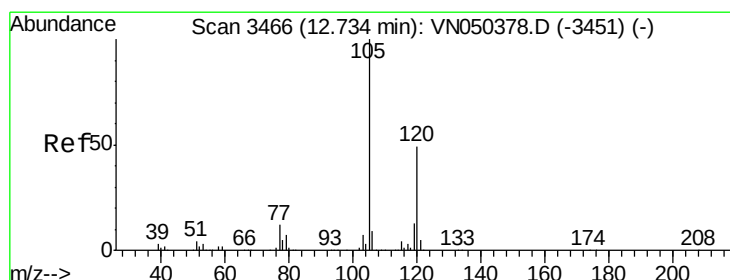
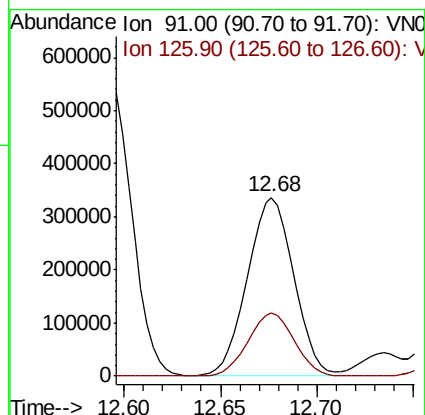
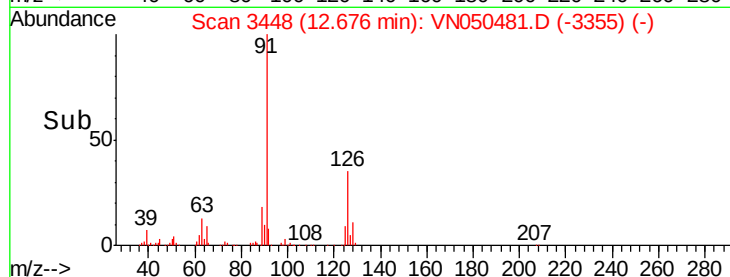
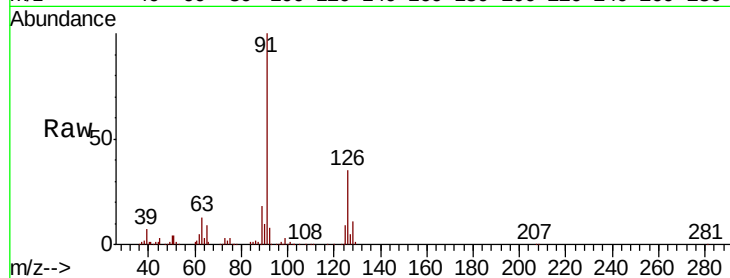
126 35.3 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 22.22 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050481.D

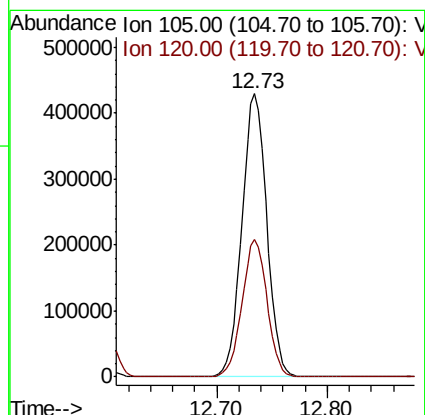
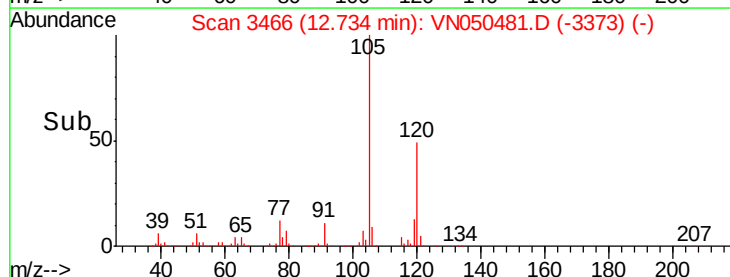
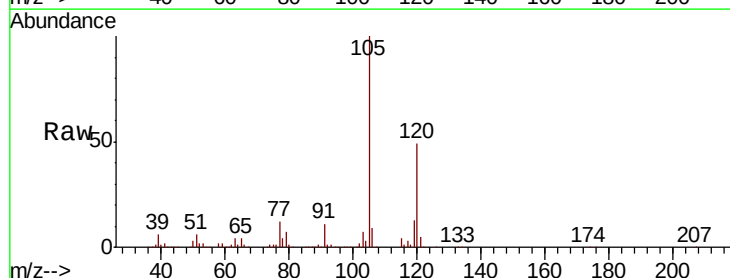
Acq: 9 Aug 2018 13:22

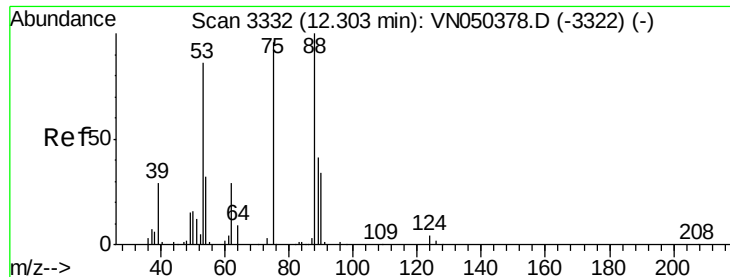
Tgt Ion: 105 Resp: 667817

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.89 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

Tot Ion: 75 Resp: 47991

Ion Ratio Lower Upper

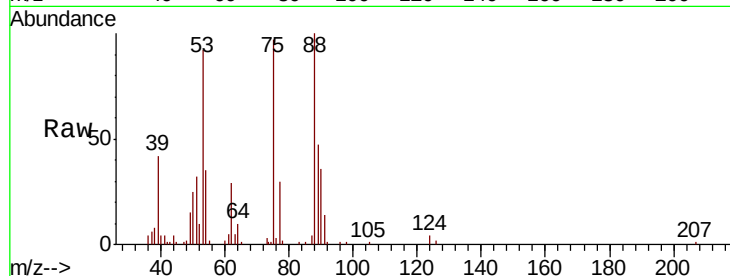
75 100

53 94.8 73.5 110.3

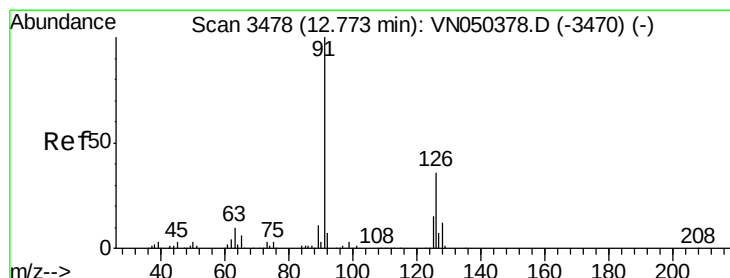
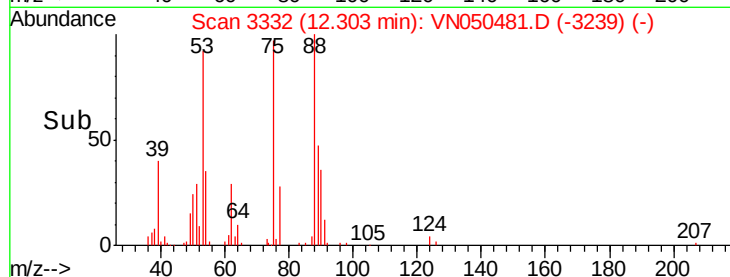
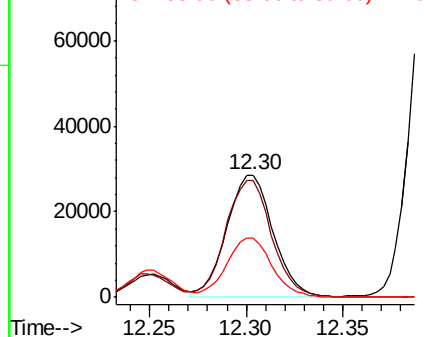
89 47.2 36.0 54.0

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Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.80 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050481.D

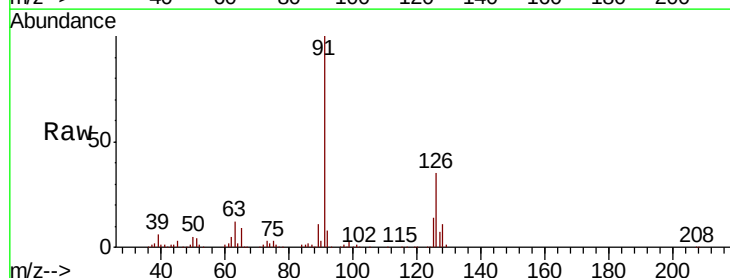
Acq: 9 Aug 2018 13:22

Tgt Ion: 91 Resp: 562592

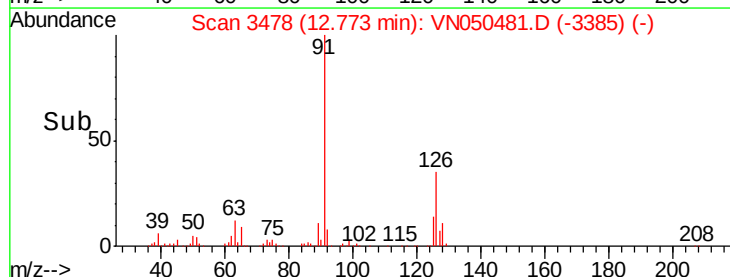
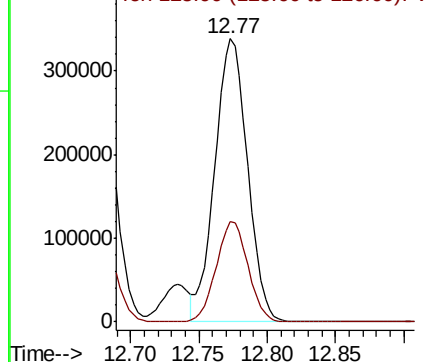
Ion Ratio Lower Upper

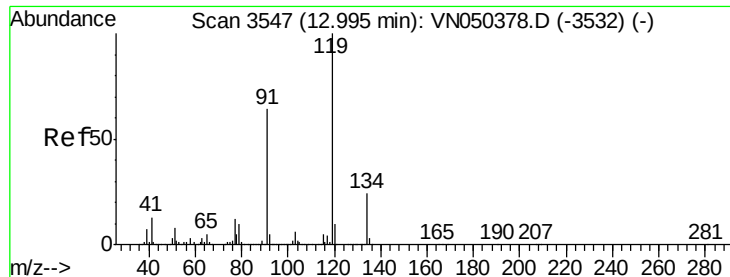
91 100

126 34.6 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V





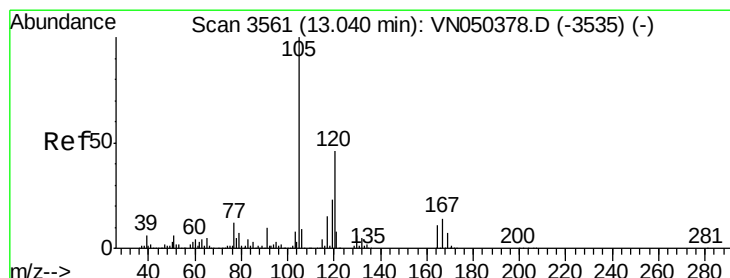
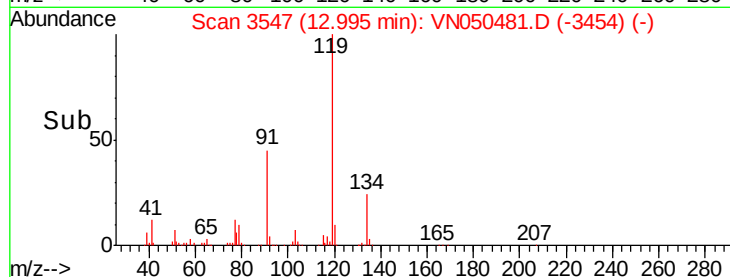
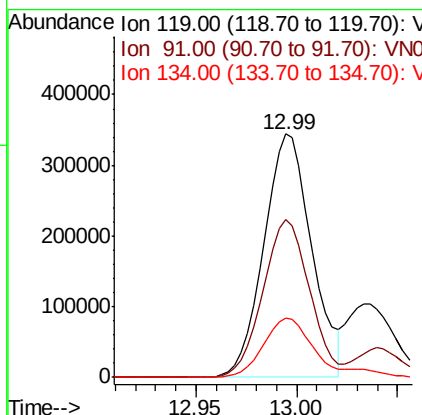
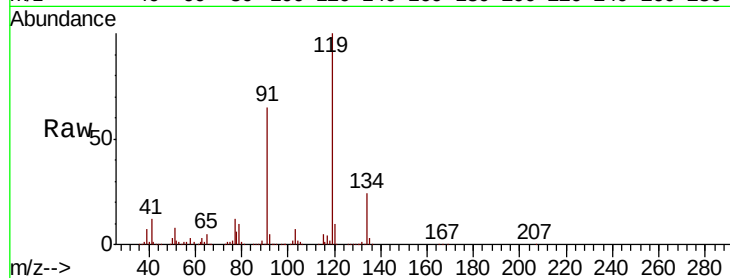
#83
 tert-Butylbenzene
 Concen: 21.67 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	32.1	96.3
134	24.5	13.2	39.5

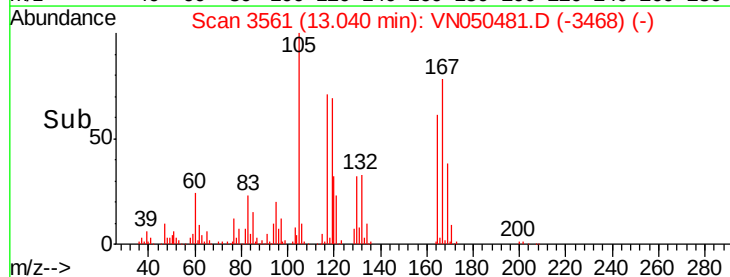
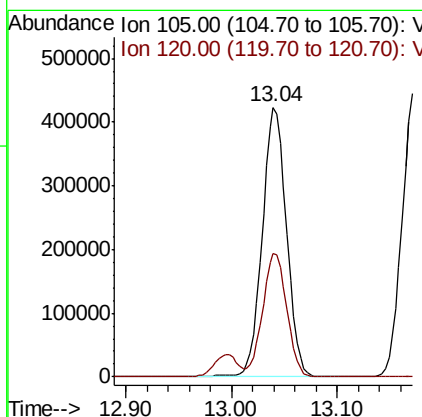
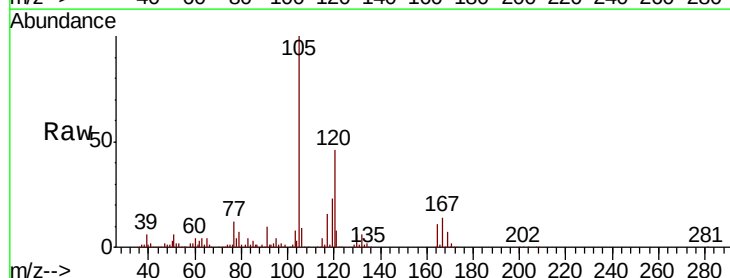
Manual Integrations
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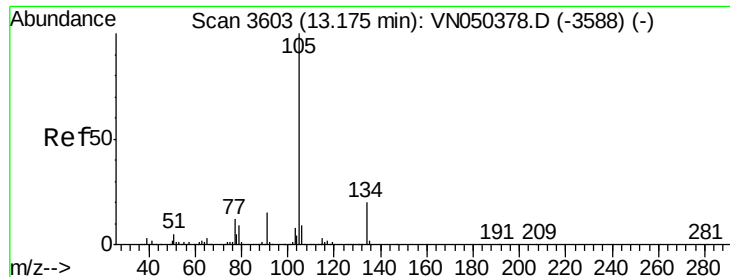
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.28 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.9	68.7





#85

sec-Butylbenzene

Concen: 21.00 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBS01

Tot Ion:105 Resp: 733813

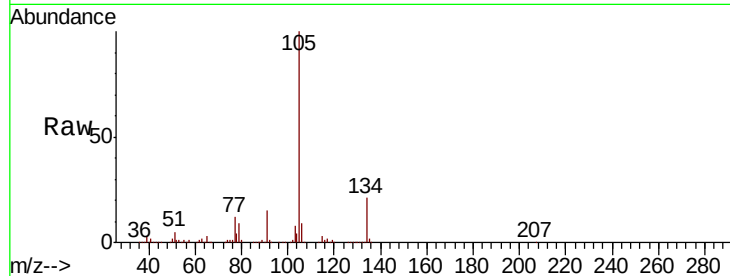
Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1

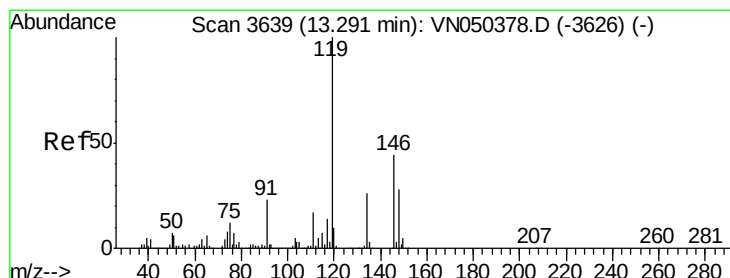
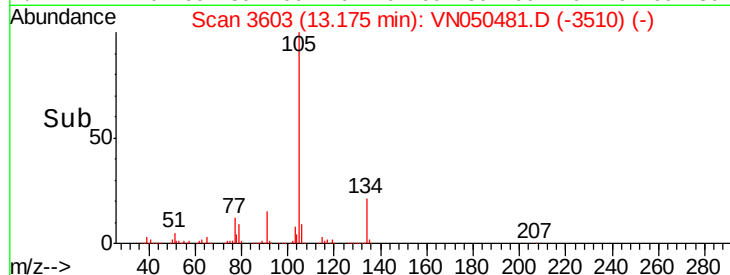
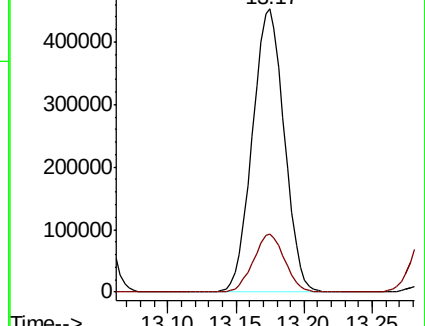
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.08 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

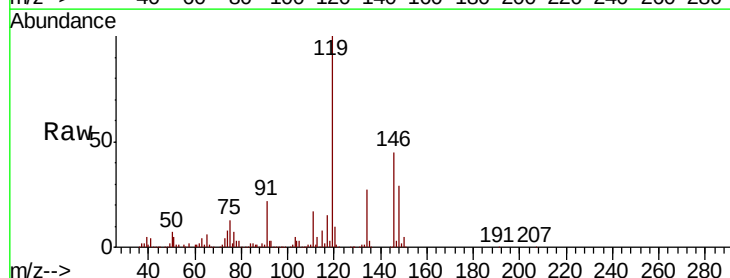
Tgt Ion:119 Resp: 631209

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

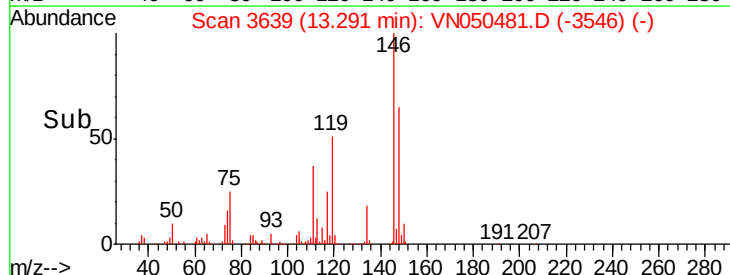
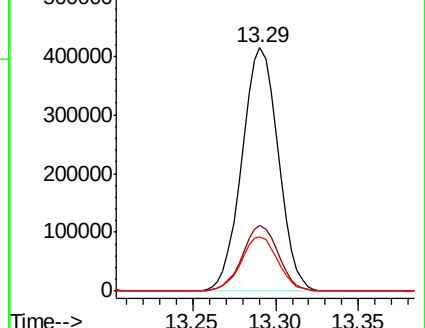
91 22.5 11.4 34.2

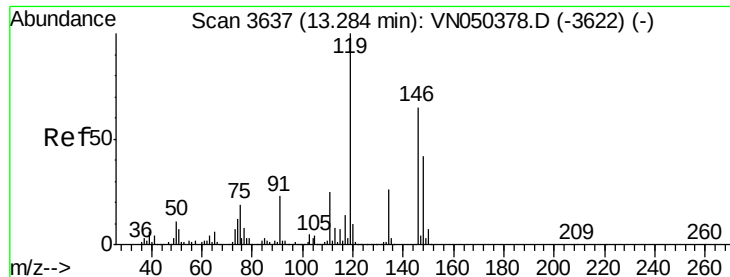


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





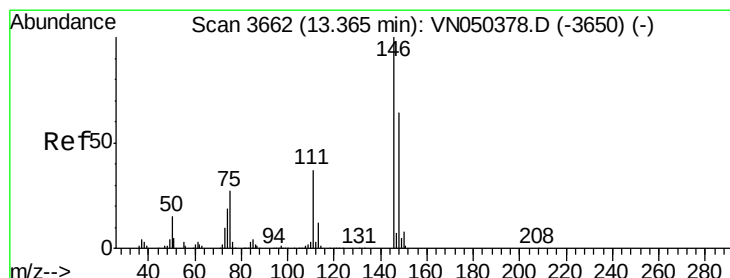
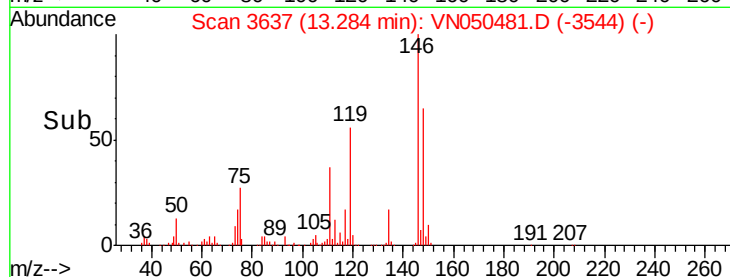
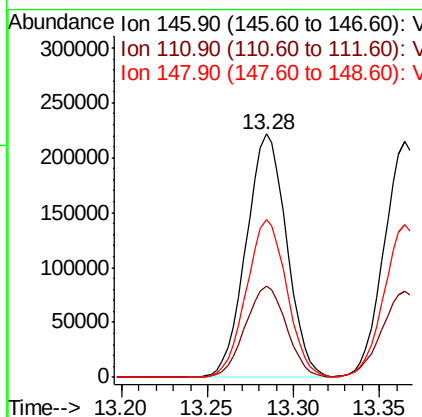
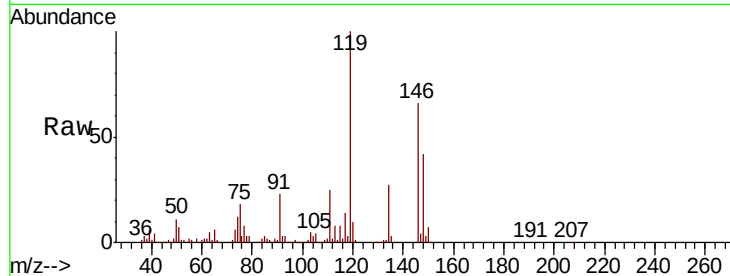
#87
 1,3-Dichlorobenzene
 Concen: 20.53 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	64.7	31.9	95.9

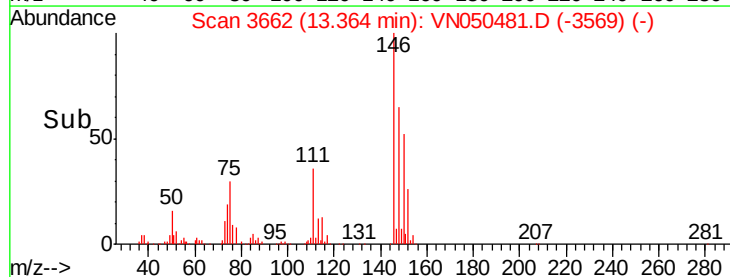
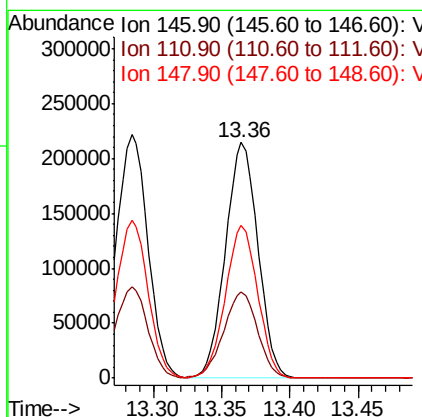
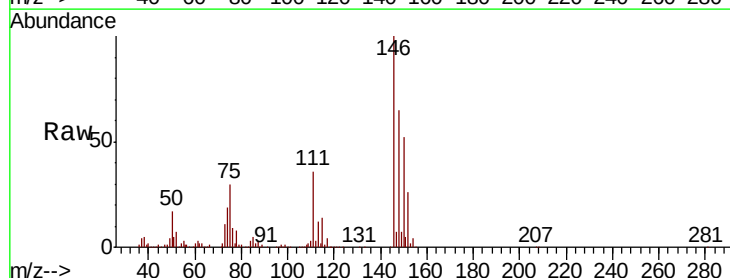
Manual Integrations
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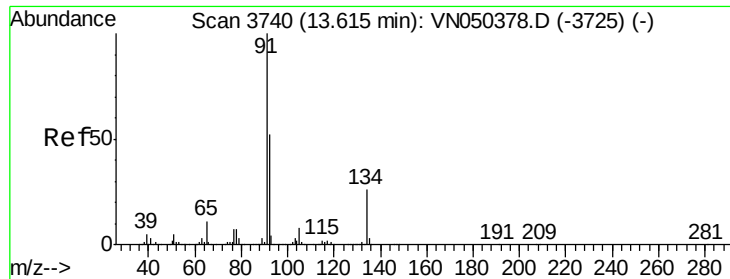
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#88
 1,4-Dichlorobenzene
 Concen: 20.12 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.3	54.9
148	64.6	31.9	95.9





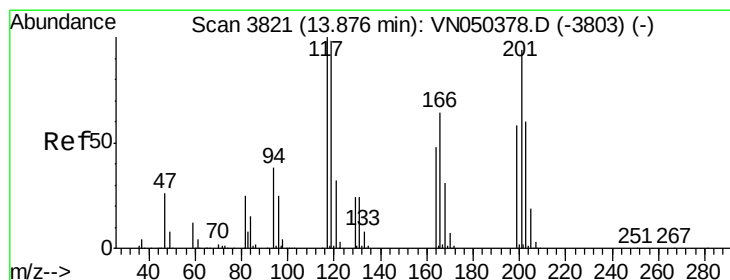
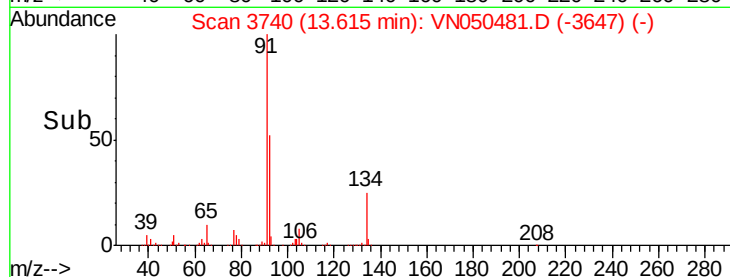
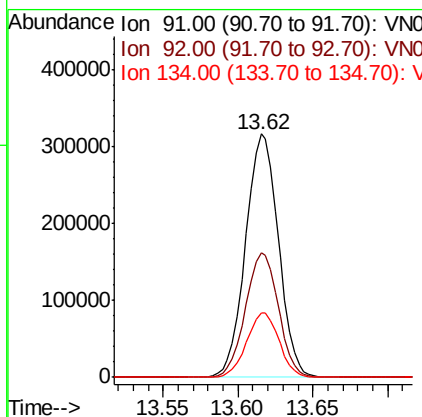
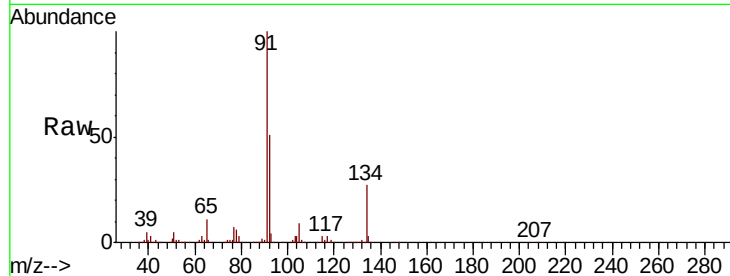
#89
n-Butylbenzene
Concen: 18.98 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.8	77.4
134	26.1	12.8	38.4

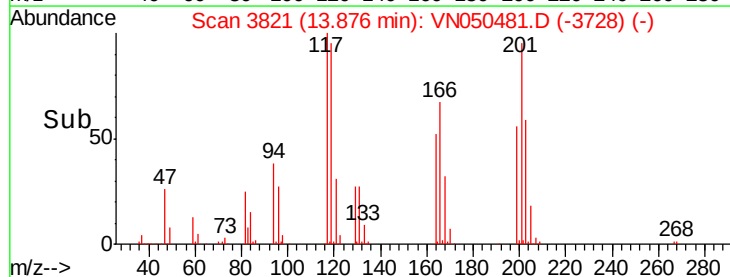
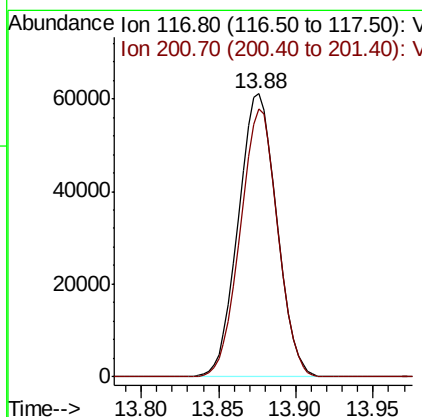
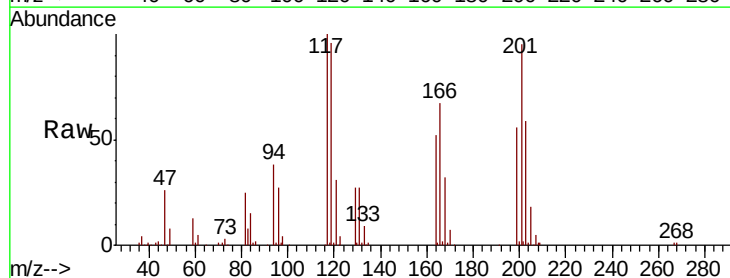
Manual Integrations
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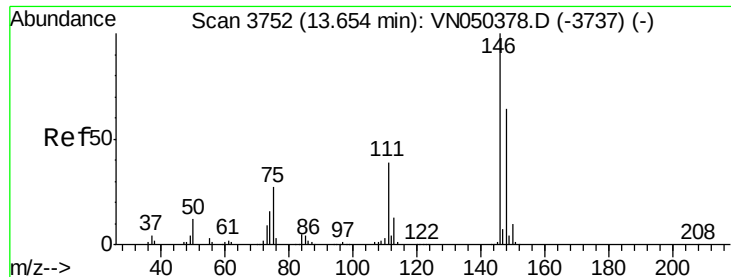
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#90
Hexachloroethane
Concen: 19.84 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.0	45.6	136.8





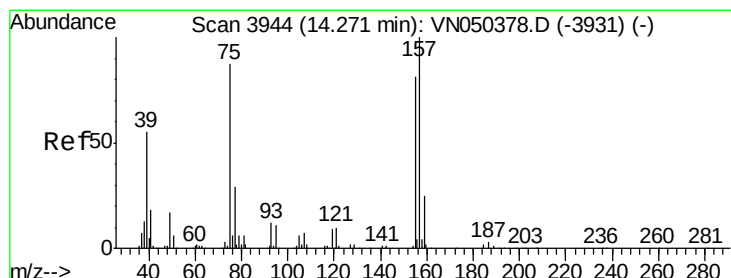
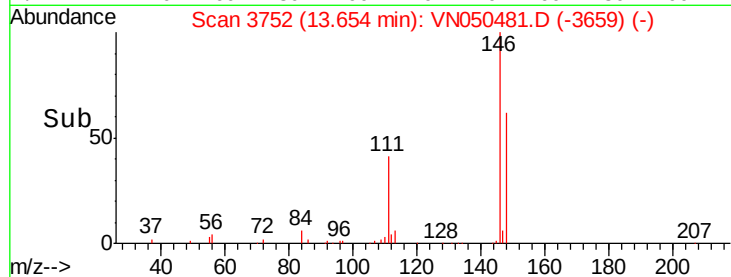
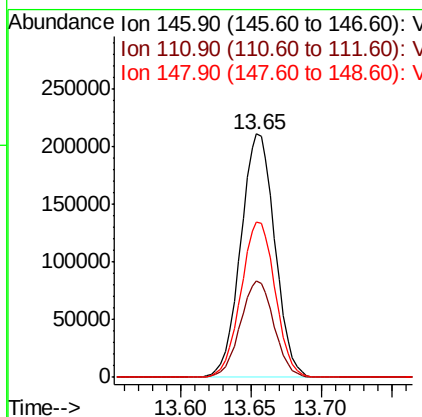
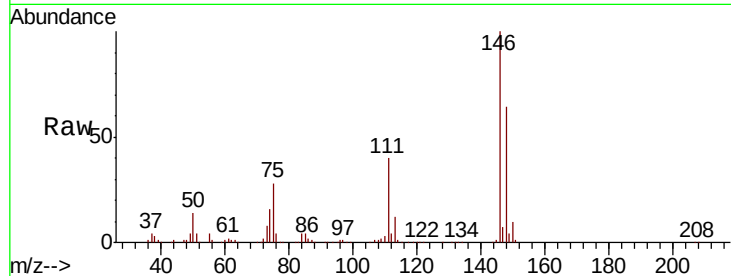
#91
 1,2-Dichlorobenzene
 Concen: 20.13 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0809WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	64.1	32.1	96.3

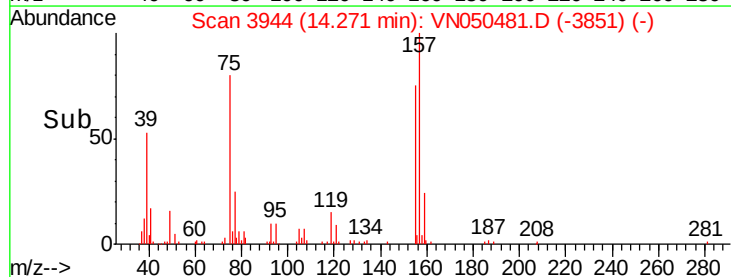
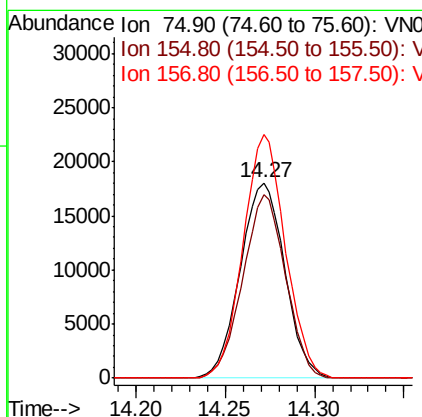
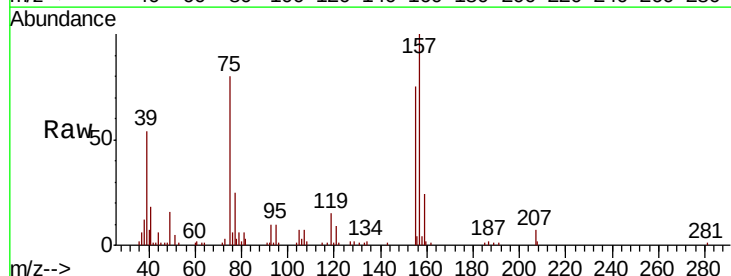
Manual Integrations
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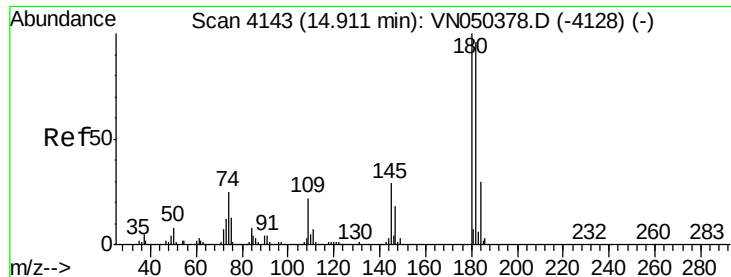
MMDadoda
 8/10/2018 10:52:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.38 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	44.8	134.4
157	118.2	57.2	171.6





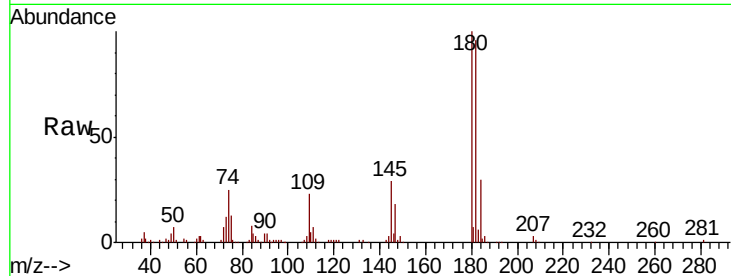
#93
 1,2,4-Trichlorobenzene
 Concen: 18.34 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBS01

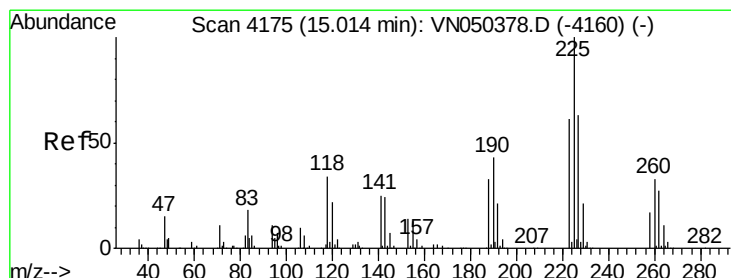
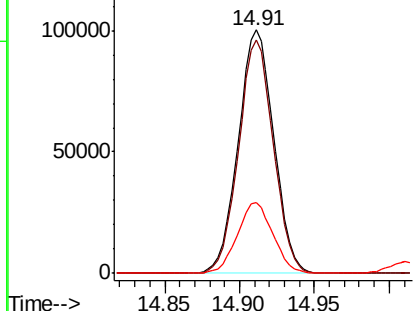
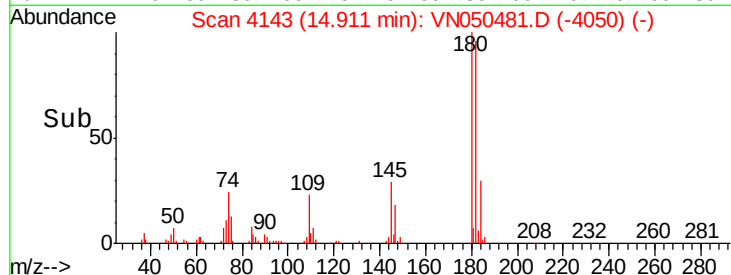
Tot Ion	Ratio	Resp	Lower	Upper
180	100	165423		
182	93.8	46.7	140.1	
145	29.2	13.8	41.4	

Manual Integrations
 APPROVED

MMDadoda
 8/10/2018 10:52:45 AM

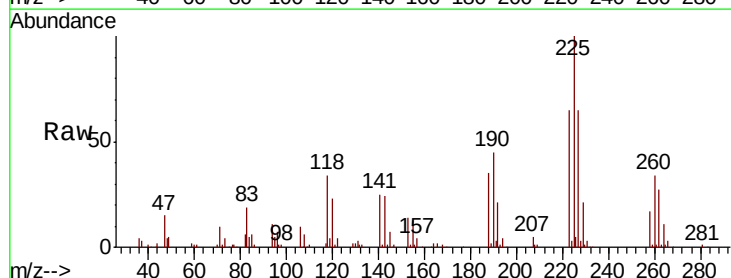


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

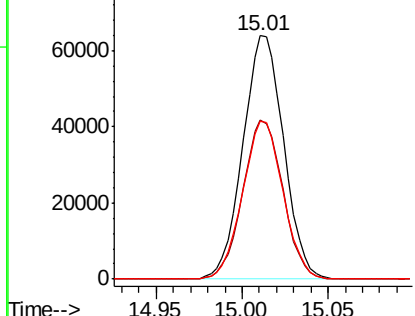
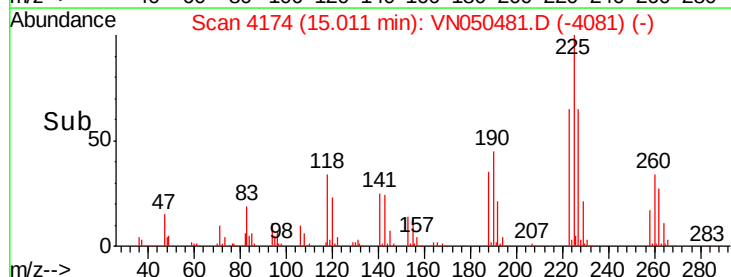


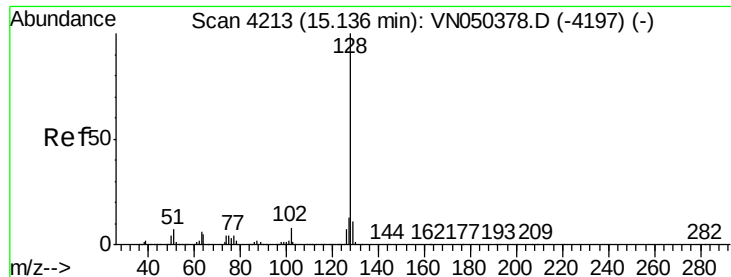
#94
 Hexachlorobutadiene
 Concen: 20.41 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	105367		
223	64.1	31.4	94.2	
227	64.1	32.1	96.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.61 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

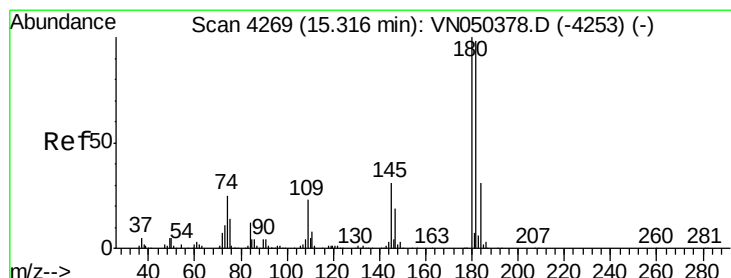
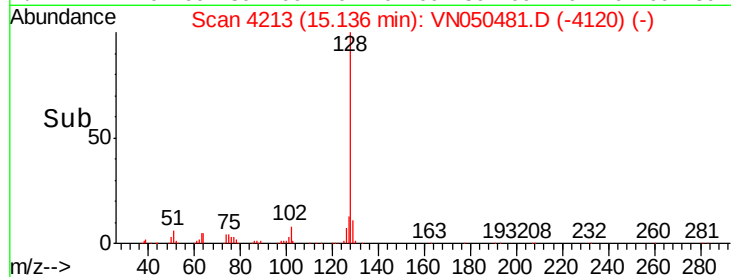
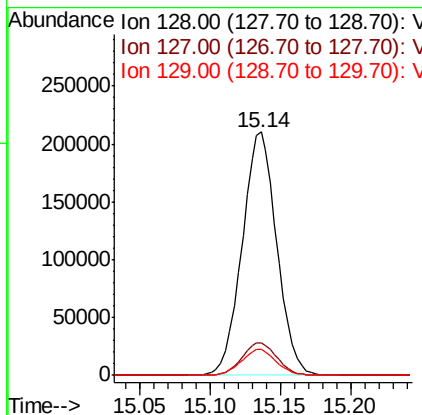
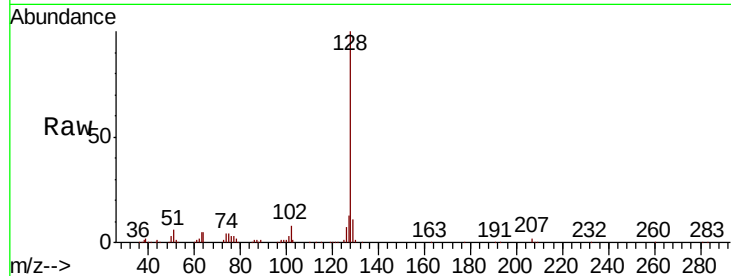
ClientSampled :

VN0809WBS01

Tot Ion:	128	Resp:	360285
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/10/2018 10:52:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.61 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Tgt Ion:	180	Resp:	160623
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.1	144.4
145	30.4	15.3	45.9

