

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050588.D
 Acq On : 14 Aug 2018 1:24
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:21:42 PM

Quant Time: Aug 14 07:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	681038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	988476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	929864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	496968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	829902	91.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.84%	
35) Dibromofluoromethane	7.59	113	778900	98.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.14%	
50) Toluene-d8	10.09	98	3030842	101.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.04%	
62) 4-Bromofluorobenzene	12.40	95	1047670	103.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	730793	96.58	ug/l	98
3) Chloromethane	2.06	50	934650	92.51	ug/l	100
4) Vinyl Chloride	2.18	62	964327	98.35	ug/l	100
5) Bromomethane	2.55	94	568373	94.57	ug/l	99
6) Chloroethane	2.70	64	571456	95.02	ug/l	100
7) Trichlorofluoromethane	3.01	101	1224600	96.88	ug/l	100
8) Diethyl Ether	3.41	74	432719	94.17	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	742001	94.90	ug/l	99
10) Methyl Iodide	3.95	142	599205	158.65	ug/l	100
11) Tert butyl alcohol	4.79	59	235563	347.28	ug/l	100
12) 1,1-Dichloroethene	3.73	96	707211	96.15	ug/l	99
13) Acrolein	3.61	56	86980	119.84	ug/l	99
14) Allyl chloride	4.32	41	1139170	97.22	ug/l	99
15) Acrylonitrile	4.99	53	1274390	427.64	ug/l	100
16) Acetone	3.82	43	1067616	375.45	ug/l	98
17) Carbon Disulfide	4.05	76	2239777	93.62	ug/l	99
18) Methyl Acetate	4.33	43	589158	72.67	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1923283	93.75	ug/l	100
20) Methylene Chloride	4.55	84	813770	80.38	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	777271	97.71	ug/l	99
22) Diisopropyl ether	5.96	45	2418591	100.60	ug/l	98
23) Vinyl Acetate	5.90	43	8138272	481.97	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1429458	96.59	ug/l	100
25) 2-Butanone	6.84	43	1746630	403.54	ug/l	99
26) 2,2-Dichloropropane	6.83	77	937581	79.25	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	874509	99.34	ug/l	100
28) Bromochloromethane	7.20	49	680226	99.71	ug/l	99
29) Tetrahydrofuran	7.21	42	928065	399.70	ug/l	99
30) Chloroform	7.37	83	1414838	95.65	ug/l	100
31) Cyclohexane	7.65	56	1309725	88.37	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1228980	96.75	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1128387	104.04	ug/l	99
37) Ethyl Acetate	6.93	43	644980	85.93	ug/l	99
38) Carbon Tetrachloride	7.78	117	1105787	97.75	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1248983	105.56	ug/l	99
40) Benzene	8.04	78	3354198	100.46	ug/l	99
41) Methacrylonitrile	7.18	41	369121	91.08	ug/l	96
42) 1,2-Dichloroethane	8.13	62	995943	94.84	ug/l	100
43) Isopropyl Acetate	8.17	43	1144261	87.35	ug/l #	86
44) Trichloroethene	8.84	130	880452	98.04	ug/l	100
45) 1,2-Dichloropropane	9.12	63	871094	99.29	ug/l	99
46) Dibromomethane	9.21	93	506228	94.46	ug/l	98
47) Bromodichloromethane	9.40	83	1099646	98.09	ug/l	100
48) Methyl methacrylate	9.20	41	585609	89.55	ug/l	100
49) 1,4-Dioxane	9.20	88	156891	1578.31	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	3983108	425.86	ug/l	100
52) Toluene	10.16	92	2099876	104.84	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1121829	100.79	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1288545	103.18	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	731444	94.36	ug/l	99
56) Ethyl methacrylate	10.43	69	969899	100.54	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1242645	97.56	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2307506	512.03	ug/l	100
59) 2-Hexanone	10.75	43	2668395	411.42	ug/l	99
60) Dibromochloromethane	10.90	129	855059	99.99	ug/l	99
61) 1,2-Dibromoethane	11.01	107	736686	96.84	ug/l	99
64) Tetrachloroethene	10.63	164	828130	95.46	ug/l	99
65) Chlorobenzene	11.43	112	2320753	99.50	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	846880	99.53	ug/l	99
67) Ethyl Benzene	11.51	91	4047102	107.33	ug/l	100
68) m/p-Xylenes	11.62	106	3094891	215.46	ug/l	99
69) o-Xylene	11.95	106	1498306	108.48	ug/l	100
70) Styrene	11.96	104	2483146	110.86	ug/l	100
71) Bromoform	12.13	173	593140	97.15	ug/l #	100
73) Isopropylbenzene	12.25	105	3963289	105.48	ug/l	100
74) N-amyl acetate	12.07	43	1036431	88.20	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	897256	84.59	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	808533m	90.03	ug/l	
77) Bromobenzene	12.53	156	1009227	100.39	ug/l	100
78) n-propylbenzene	12.59	91	4528598	106.58	ug/l	100
79) 2-Chlorotoluene	12.68	91	2674457	101.84	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3239718	106.44	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	229471	92.46	ug/l	99
82) 4-Chlorotoluene	12.77	91	2740743	104.73	ug/l	100
83) tert-Butylbenzene	12.99	119	2814820	106.29	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3325036	107.90	ug/l	99
85) sec-Butylbenzene	13.17	105	3687248	104.25	ug/l	99
86) p-Isopropyltoluene	13.29	119	3262447	107.78	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1786606	100.18	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1747856	98.25	ug/l	100
89) n-Butylbenzene	13.62	91	2692785	105.24	ug/l	100
90) Hexachloroethane	13.88	117	563638	103.78	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1689473	94.90	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	130946	74.04	ug/l	96

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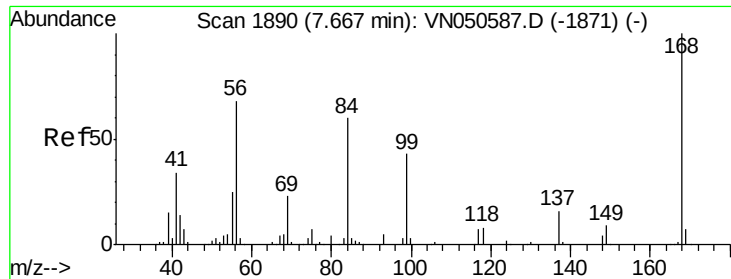
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	934804	104.48	ug/l	100
94) Hexachlorobutadiene	15.01	225	494557	75.87	ug/l	98
95) Naphthalene	15.13	128	1994372	98.57	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	866071	95.78	ug/l	98

(#) = 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: VN050588.D

Acq: 14 Aug 2018 1:24

Tot Ion: 168 Resp: 681038

Ion Ratio Lower Upper

168 100

99 50.4 40.8 61.2

Instrument :

MSVOA_N

ClientSampleId :

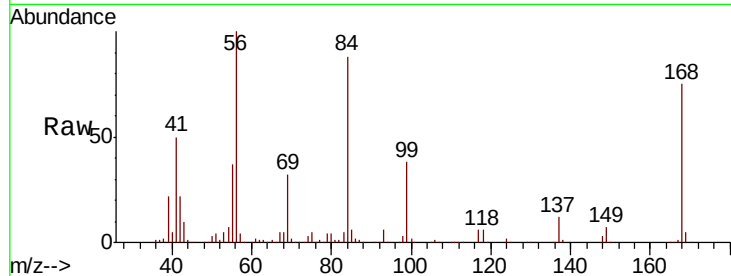
VSTDIC100

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

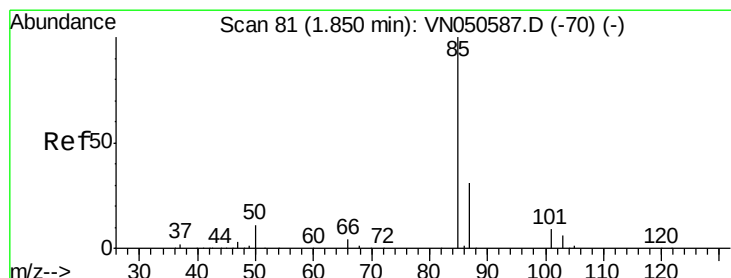
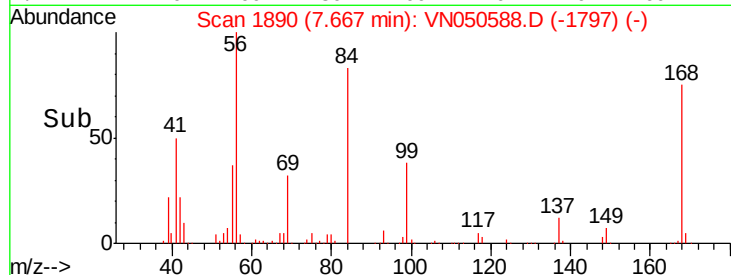
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 96.58 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050588.D

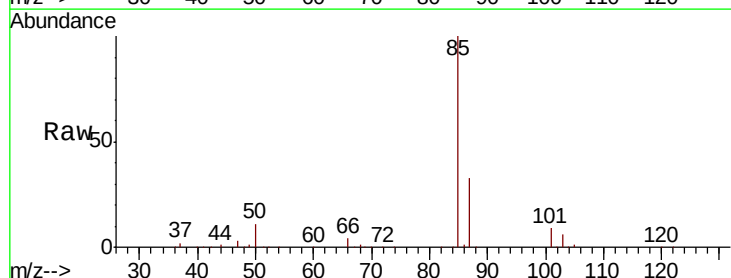
Acq: 14 Aug 2018 1:24

Tgt Ion: 85 Resp: 730793

Ion Ratio Lower Upper

85 100

87 32.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

600000

500000

400000

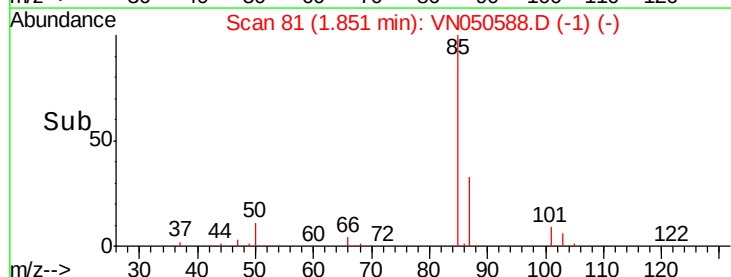
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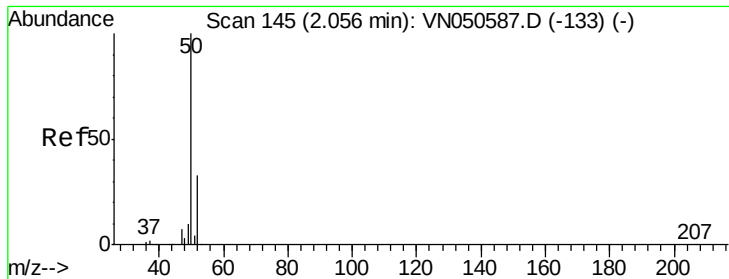
200000

100000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 92.51 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 934650

Ion Ratio Lower Upper

50 100

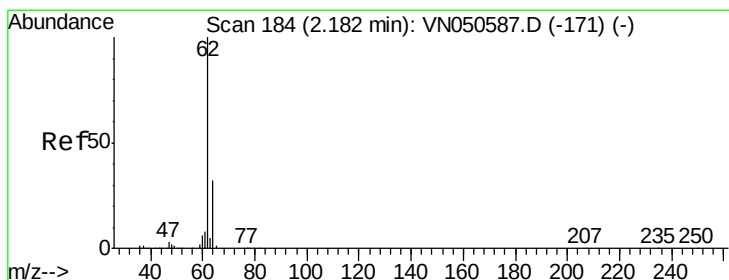
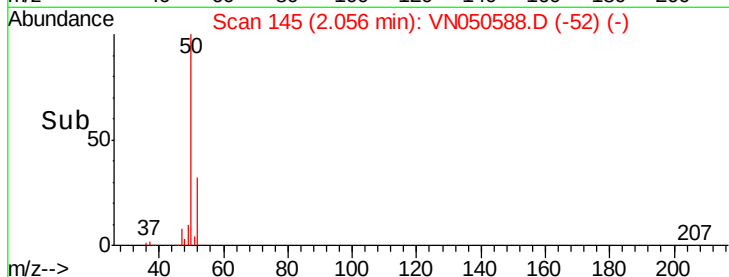
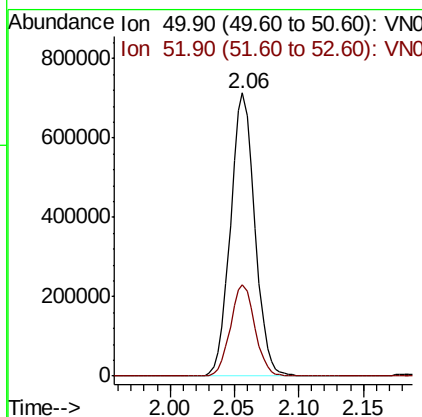
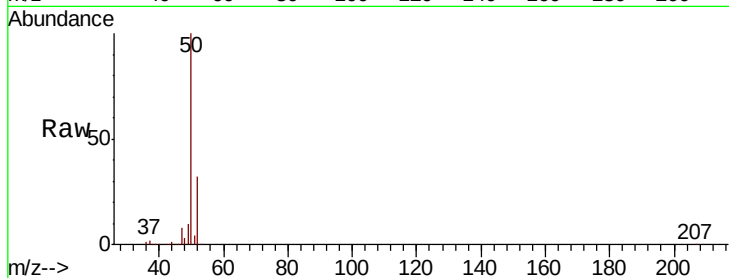
52 32.4 26.0 39.0

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#4

Vinyl Chloride

Concen: 98.35 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050588.D

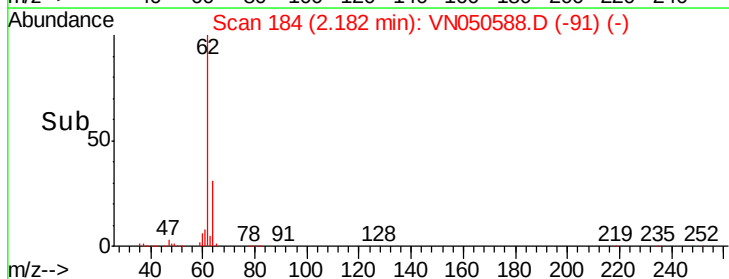
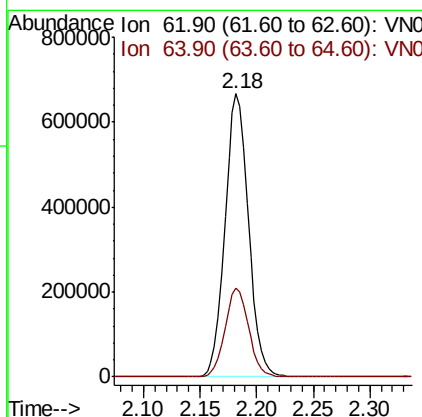
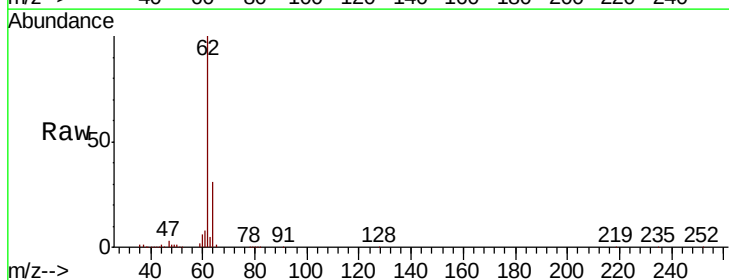
Acq: 14 Aug 2018 1:24

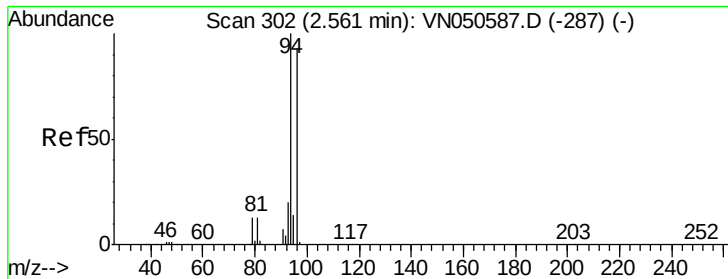
Tgt Ion: 62 Resp: 964327

Ion Ratio Lower Upper

62 100

64 31.4 25.2 37.8





#5

Bromomethane

Concen: 94.57 ug/l

RT: 2.55 min Scan# 299

Delta R.T. -0.01 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 568373

Ion Ratio Lower Upper

94 100

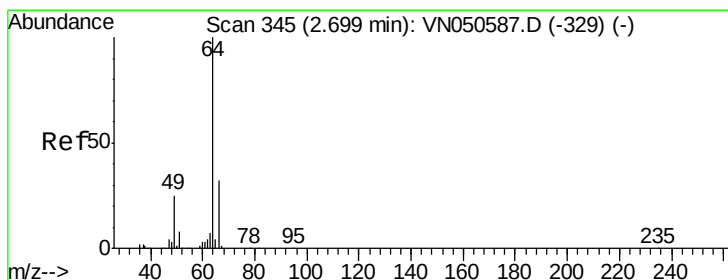
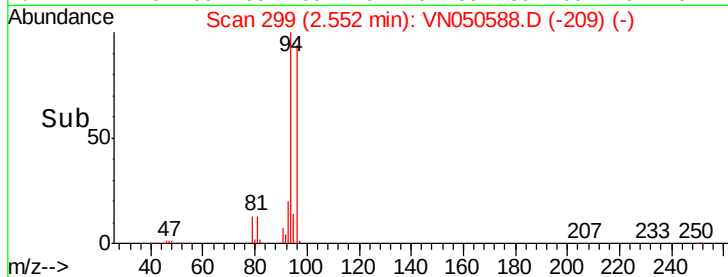
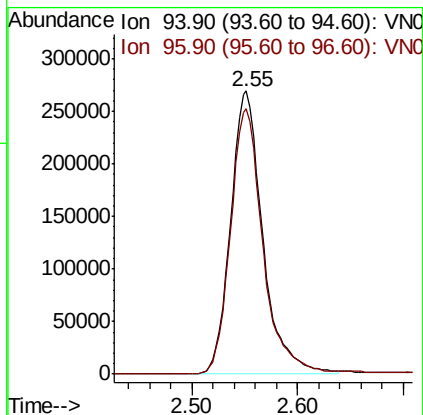
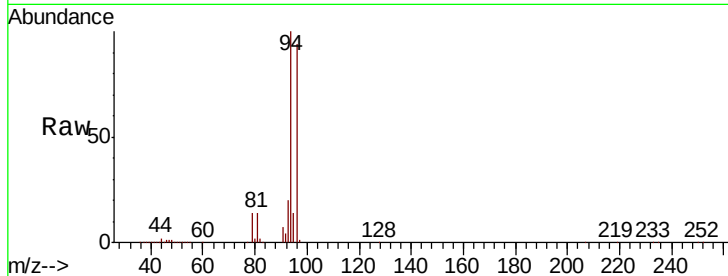
96 93.9 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 95.02 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN050588.D

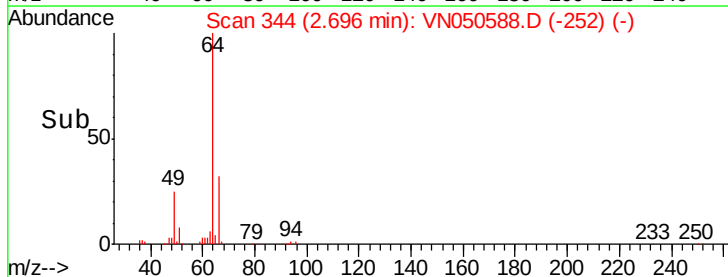
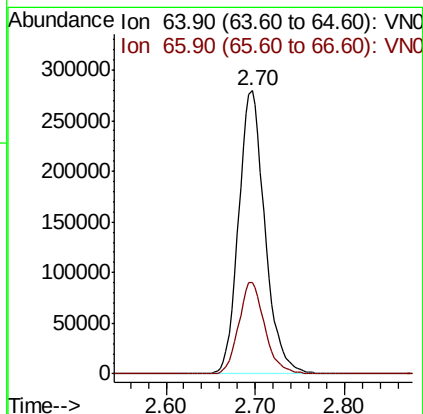
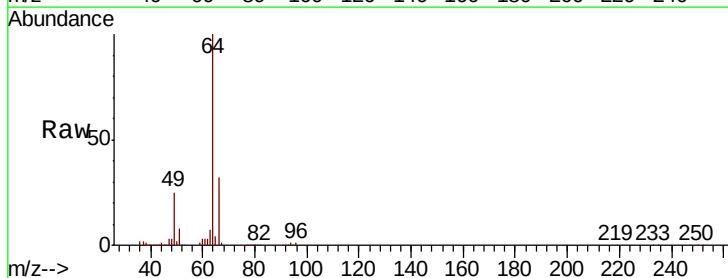
Acq: 14 Aug 2018 1:24

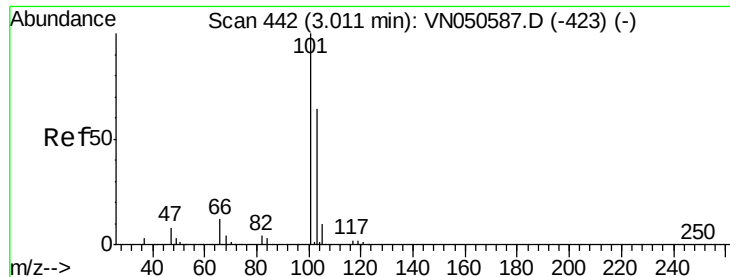
Tgt Ion: 64 Resp: 571456

Ion Ratio Lower Upper

64 100

66 32.2 25.7 38.5





#7

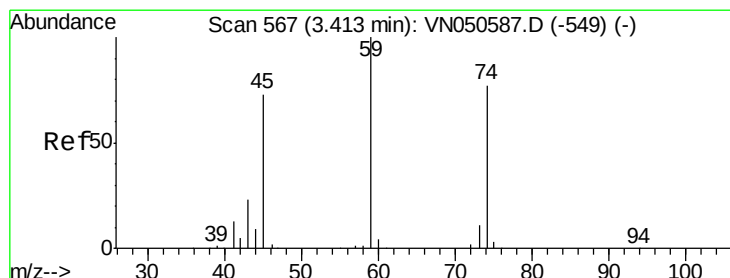
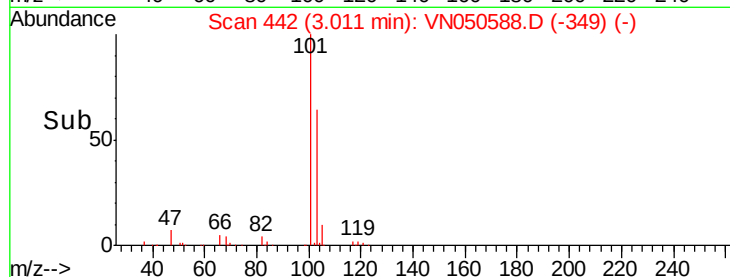
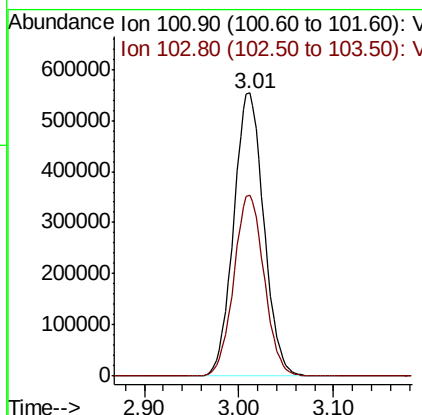
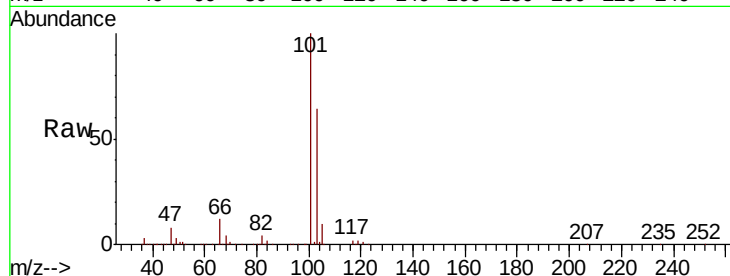
Trichlorofluoromethane
 Concen: 96.88 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 1224600
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.4 77.0

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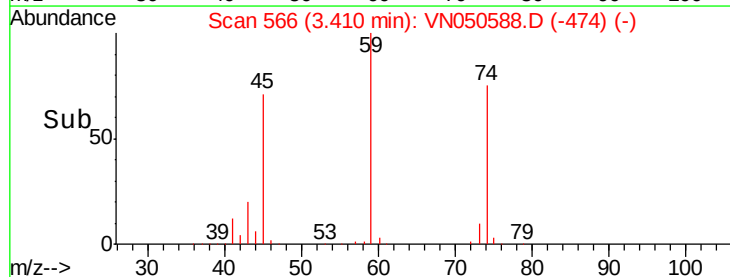
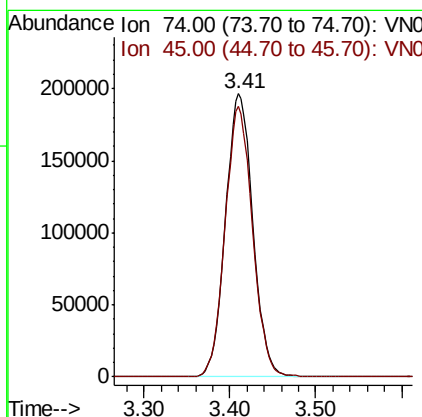
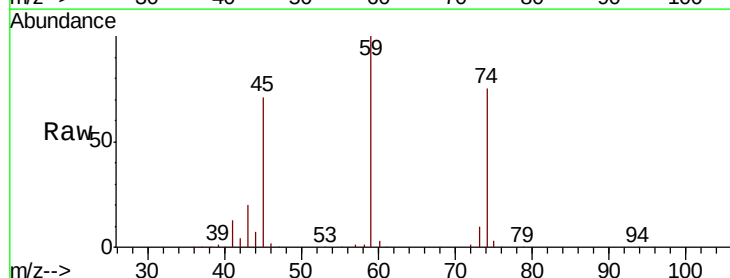
MMDadoda
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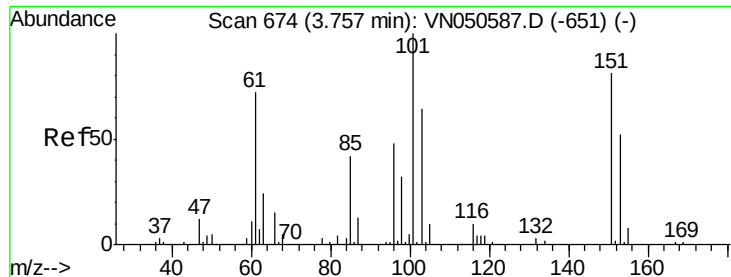


#8

Diethyl Ether
 Concen: 94.17 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 74 Resp: 432719
 Ion Ratio Lower Upper
 74 100
 45 95.6 48.0 144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.90 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

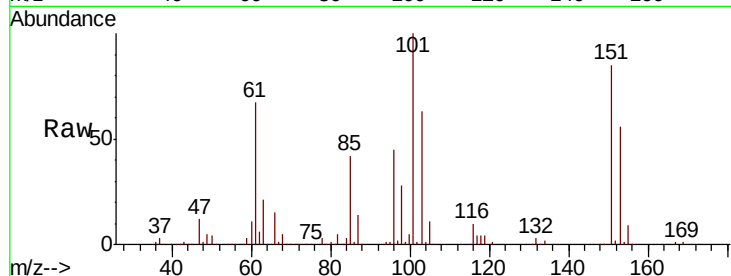
ClientSampleId :

VSTDIC100

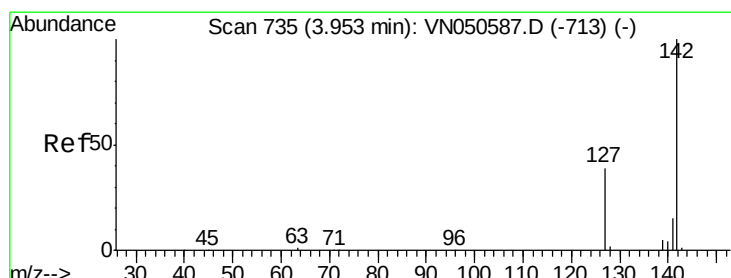
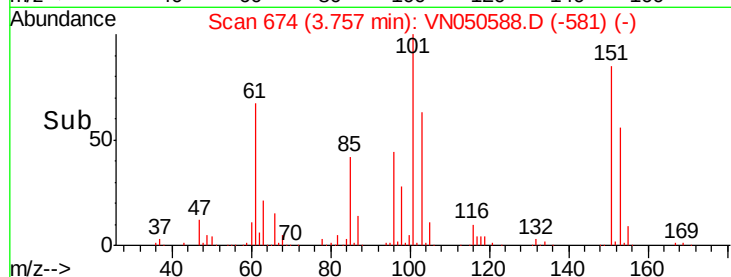
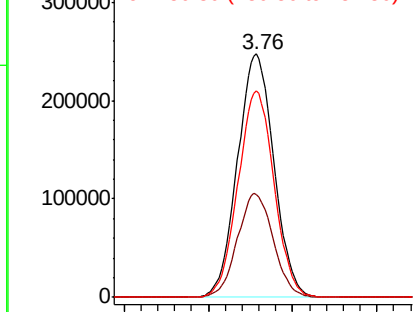
Tot Ion:	101	Resp:	742001
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.4	50.0
151	84.0	66.6	100.0

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



#10

Methyl Iodide

Concen: 158.65 ug/l

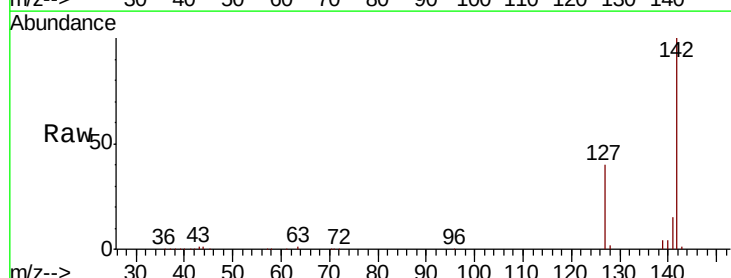
RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

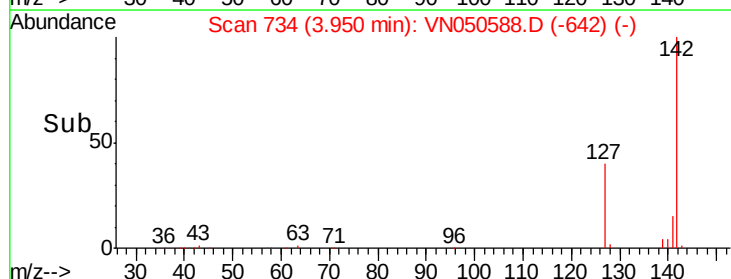
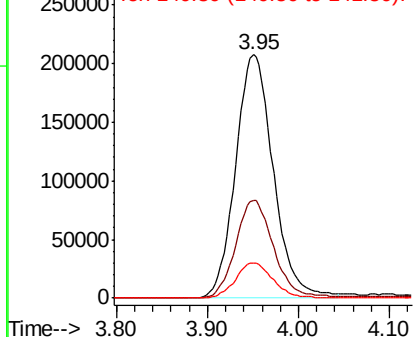
Lab File: VN050588.D

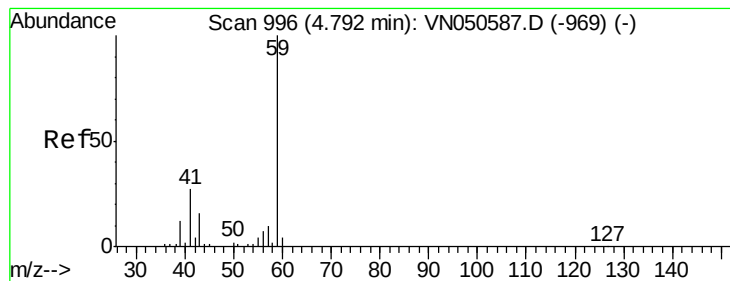
Acq: 14 Aug 2018 1:24

Tgt Ion:	142	Resp:	599205
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.6	49.0
141	14.3	11.5	17.3



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

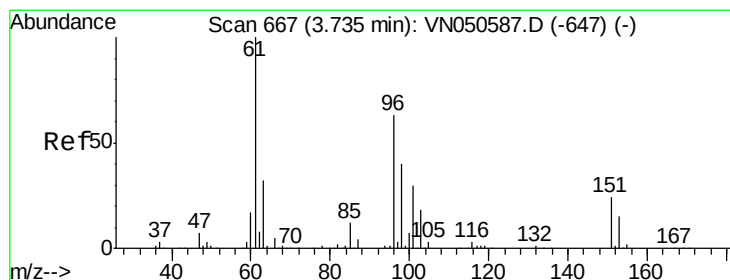
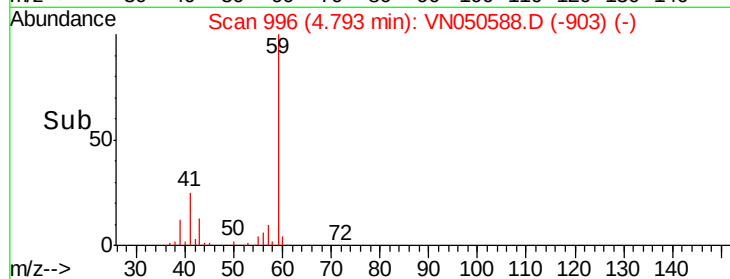
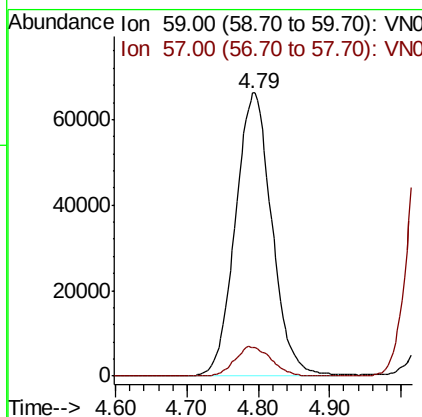
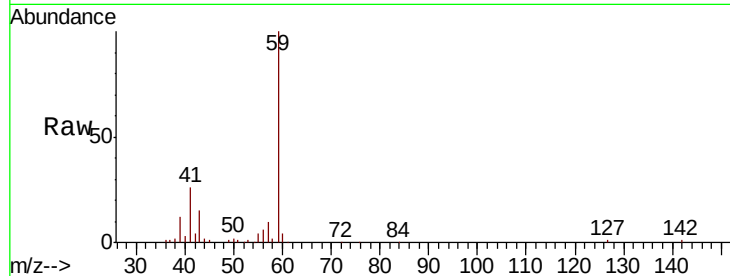
Tert butyl alcohol
 Concen: 347.28 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	59	Resp	235563
Ion Ratio	100	Lower	Upper
57	10.4	8.4	12.6

Manual Integrations
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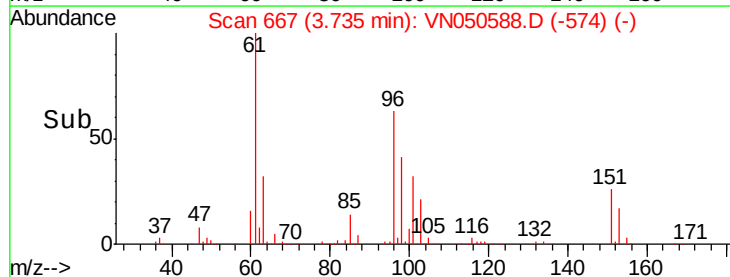
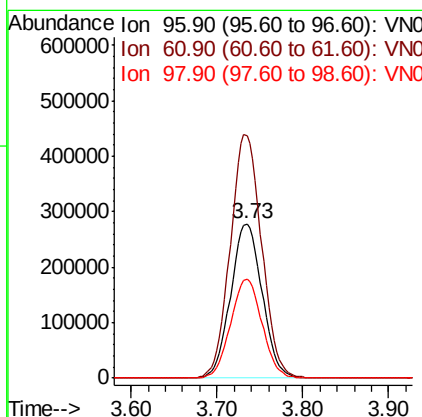
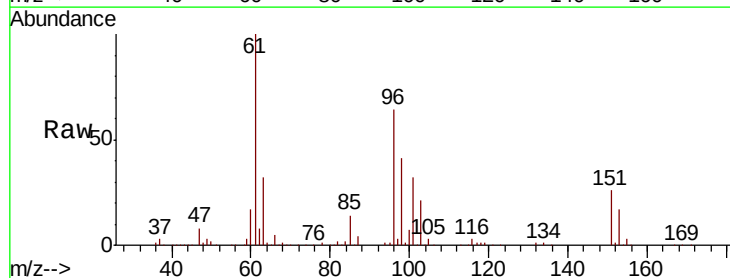
MMDadoda
 8/15/2018 3:21:42 PM

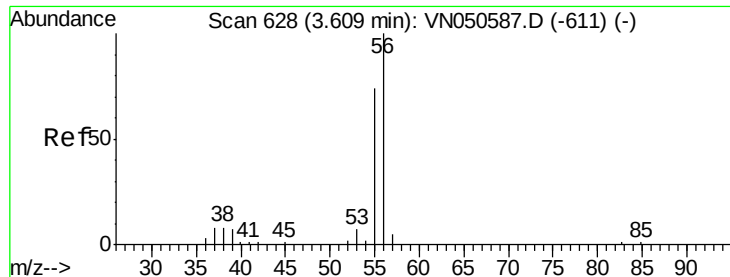


#12

1,1-Dichloroethene
 Concen: 96.15 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	96	Resp	707211
Ion Ratio	100	Lower	Upper
61	157.3	126.9	190.3
98	64.5	51.1	76.7





#13

Acrolein

Concen: 119.84 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 86980

Ion Ratio Lower Upper

56 100

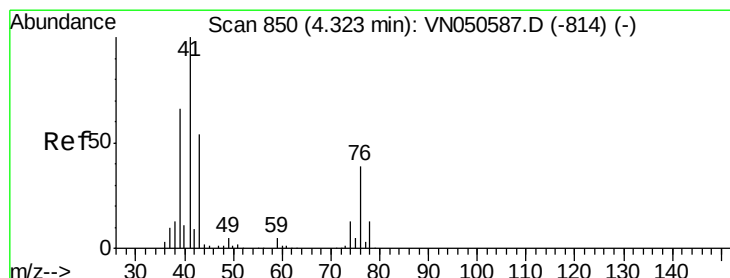
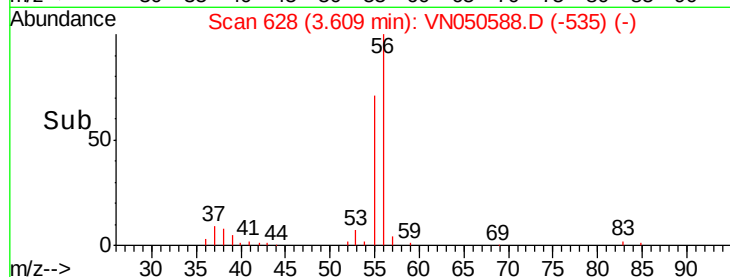
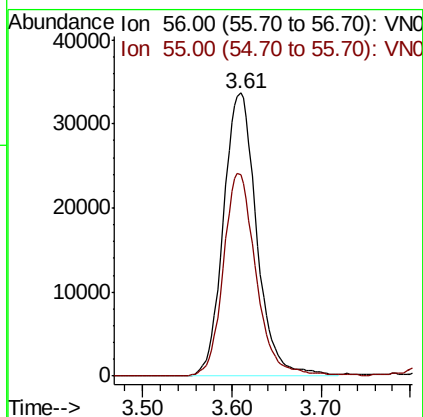
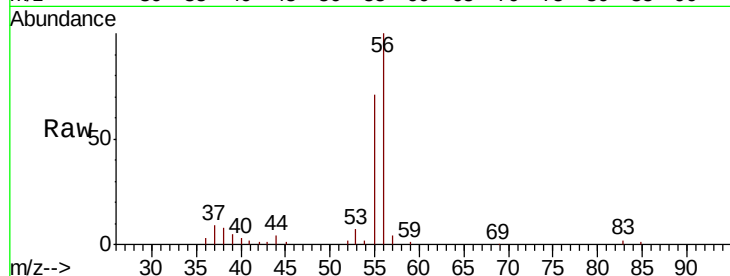
55 69.9 56.3 84.5

Manual Integrations

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#14

Allyl chloride

Concen: 97.22 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

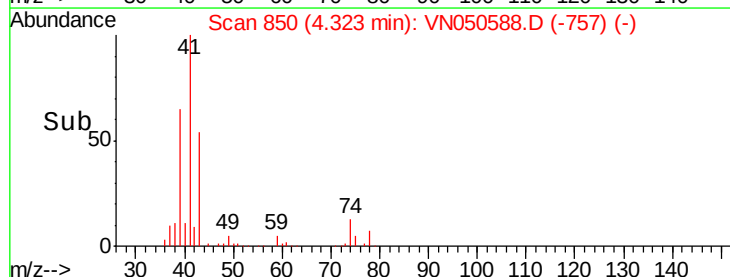
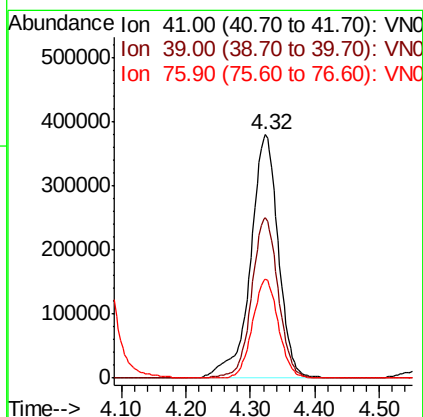
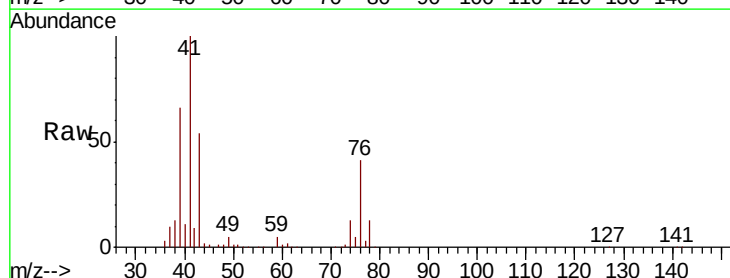
Tgt Ion: 41 Resp: 1139170

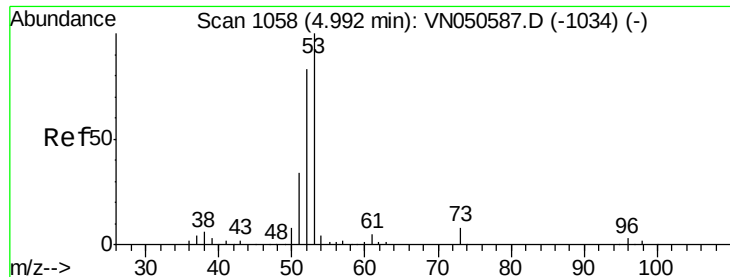
Ion Ratio Lower Upper

41 100

39 63.1 51.4 77.0

76 37.4 29.4 44.0





#15

Acrylonitrile

Concen: 427.64 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1274390

Ion Ratio Lower Upper

53 100

52 82.5 66.2 99.2

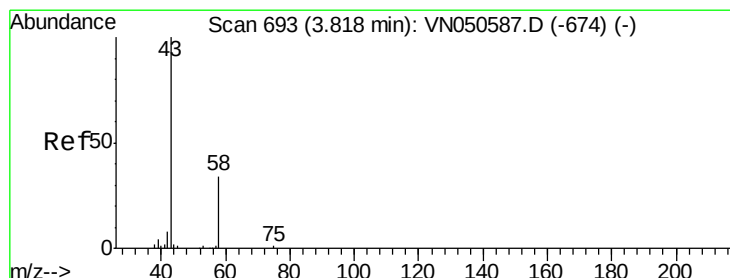
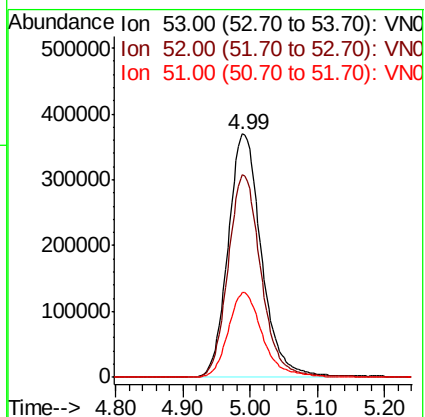
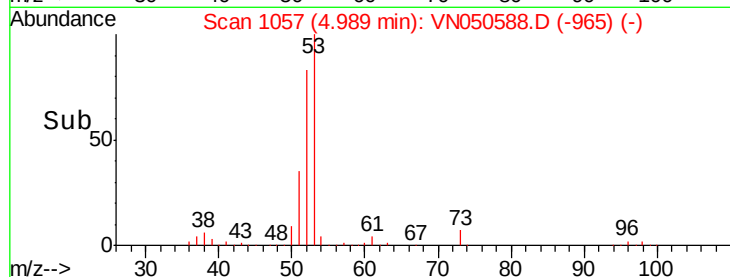
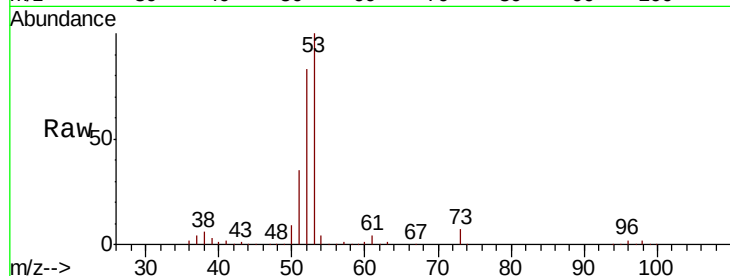
51 36.1 28.6 43.0

Manual Integrations

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#16

Acetone

Concen: 375.45 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN050588.D

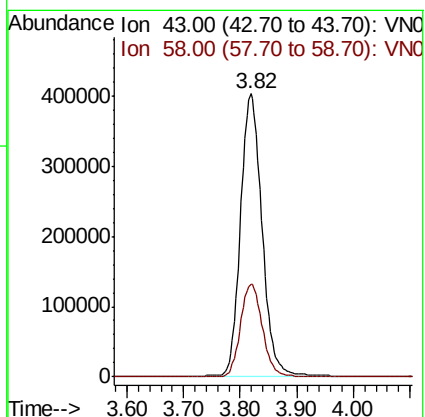
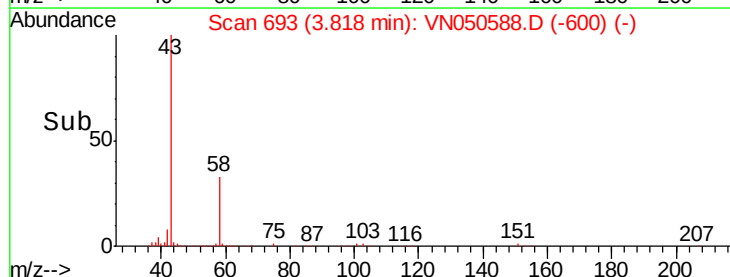
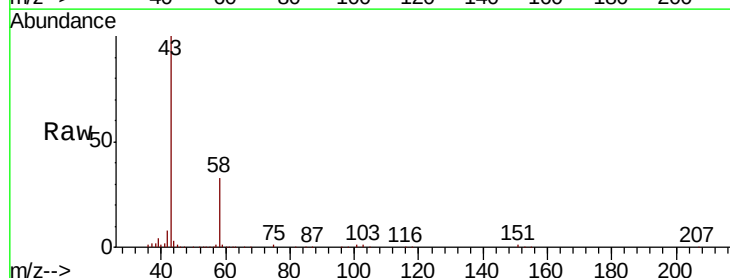
Acq: 14 Aug 2018 1:24

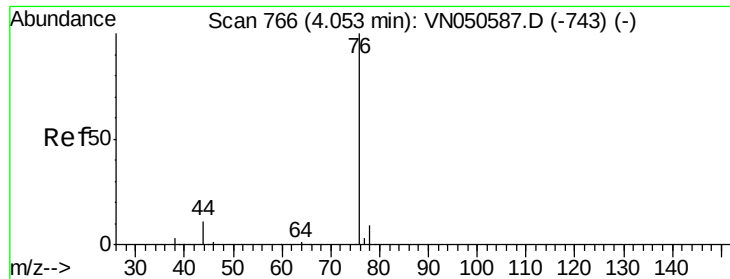
Tgt Ion: 43 Resp: 1067616

Ion Ratio Lower Upper

43 100

58 32.7 27.1 40.7





#17

Carbon Disulfide

Concen: 93.62 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Tot Ion: 76 Resp: 2239777

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

Instrument :

MSVOA_N

ClientSampleId :

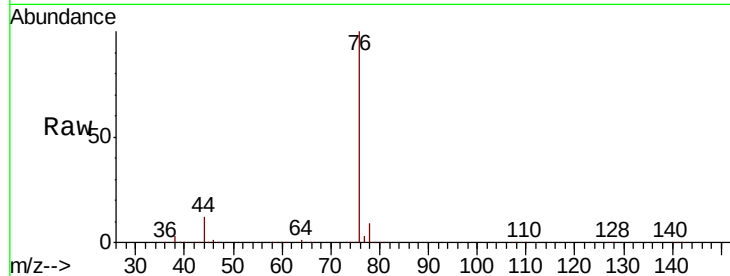
VSTDICC100

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN050587.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050587.D (-743) (-)

4.05

800000

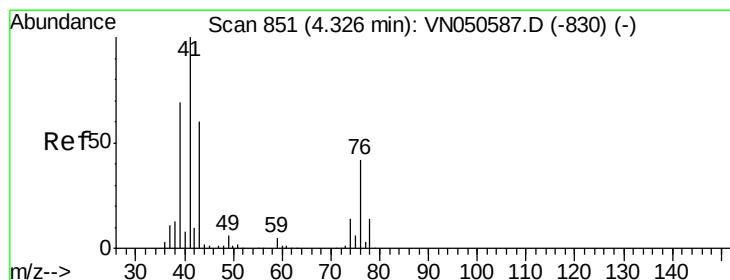
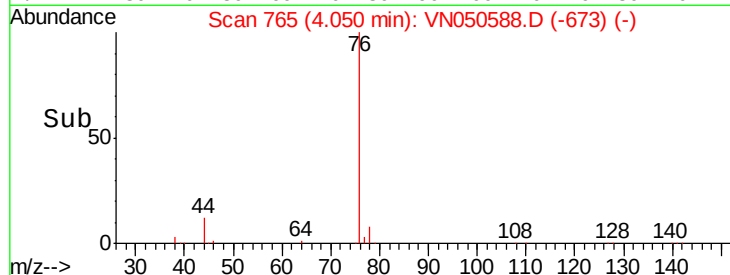
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 72.67 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050588.D

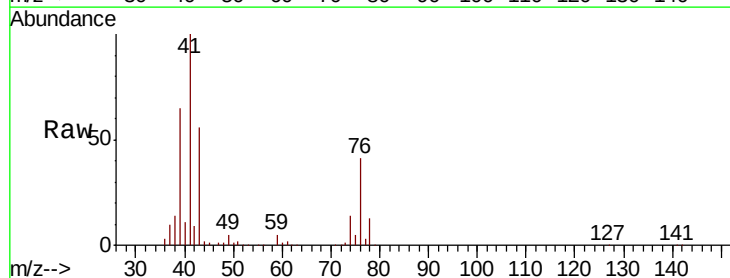
Acq: 14 Aug 2018 1:24

Tgt Ion: 43 Resp: 589158

Ion Ratio Lower Upper

43 100

74 25.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-830) (-)

Ion 74.00 (73.70 to 74.70): VN050587.D (-830) (-)

4.33

250000

200000

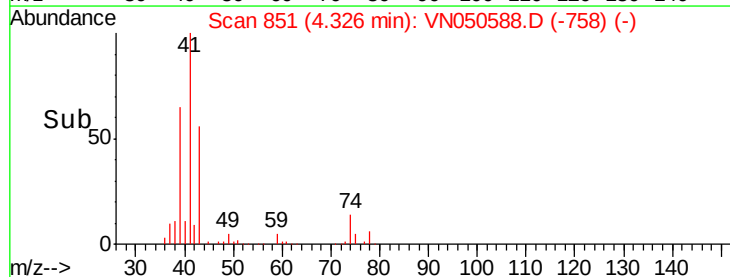
150000

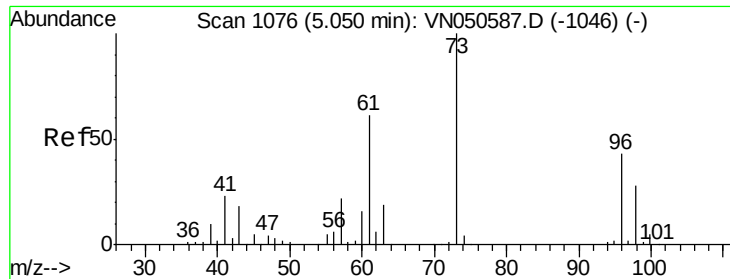
100000

50000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 93.75 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Tot Ion: 73 Resp: 1923283

Ion Ratio Lower Upper

73 100

57 22.2 17.9 26.9

Instrument :

MSVOA_N

ClientSampled :

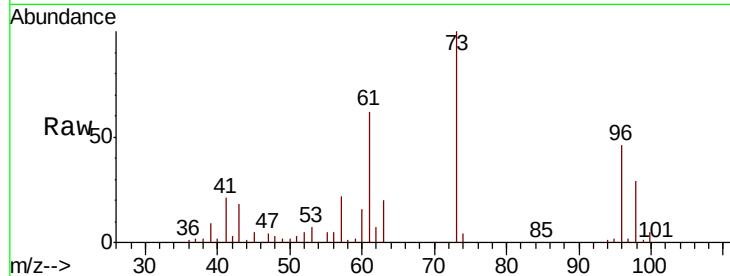
VSTDIC100

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VN050588.D (-983) (-)

Ion 57.00 (56.70 to 57.70): VN050588.D (-983) (-)

5.05

600000

500000

400000

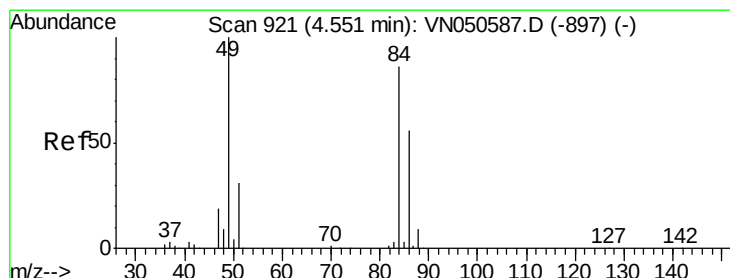
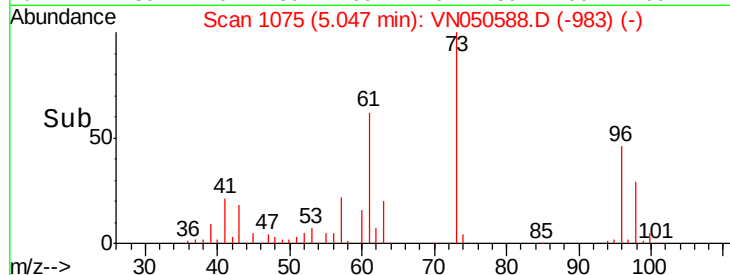
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 80.38 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Tgt Ion: 84 Resp: 813770

Ion Ratio Lower Upper

84 100

49 117.8 92.6 138.8

51 36.6 28.6 43.0

86 63.5 52.2 78.2

Abundance Ion 83.90 (83.60 to 84.60): VN050588.D (-828) (-)

Ion 48.90 (48.60 to 49.60): VN050588.D (-828) (-)

Ion 50.90 (50.60 to 51.60): VN050588.D (-828) (-)

Ion 85.90 (85.60 to 86.60): VN050588.D (-828) (-)

4.55

400000

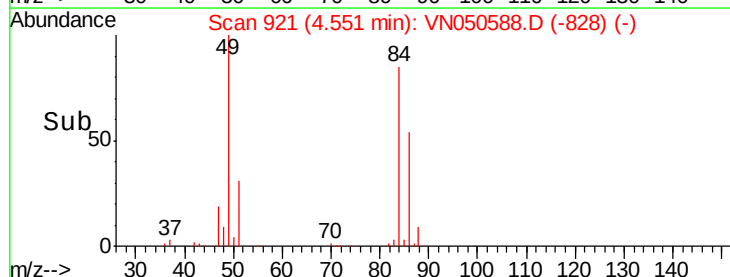
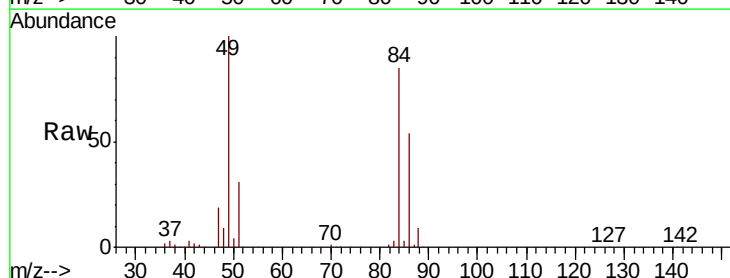
300000

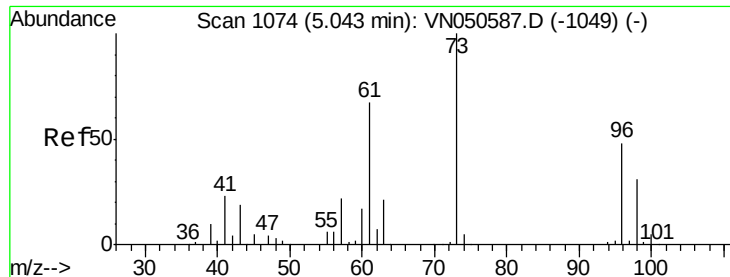
200000

100000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 97.71 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 96 Resp: 777271

Ion Ratio Lower Upper

96 100

61 138.3 111.2 166.8

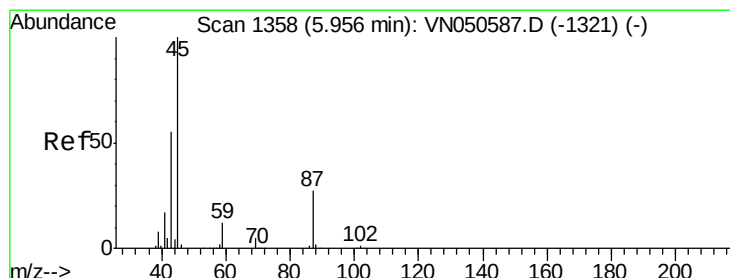
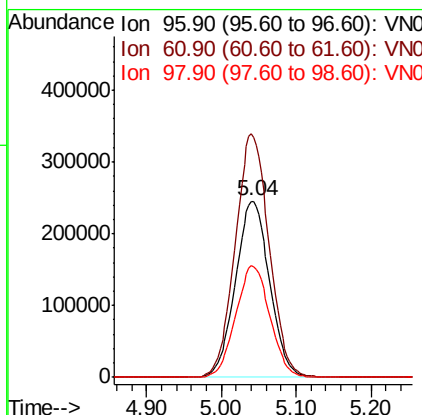
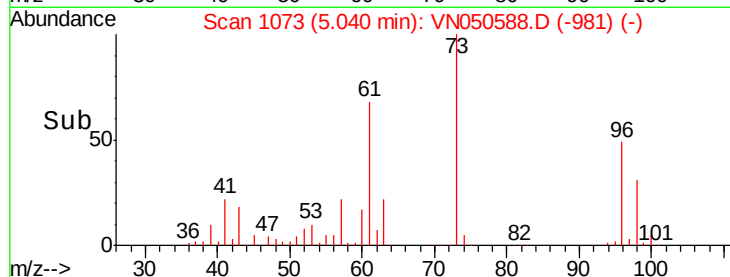
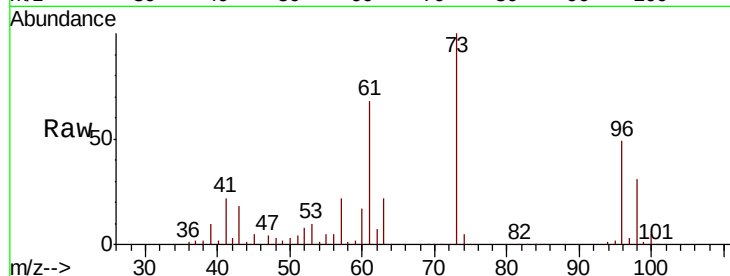
98 63.2 51.6 77.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 100.60 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Tgt Ion: 45 Resp: 2418591

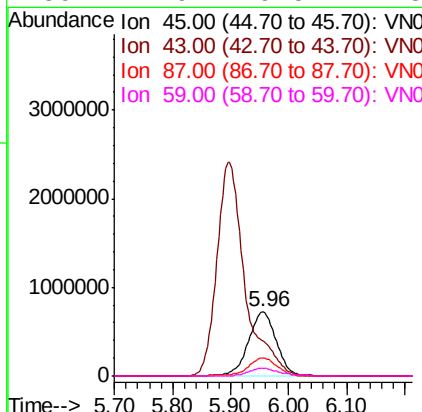
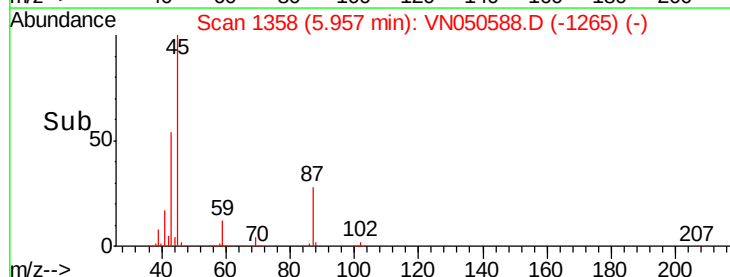
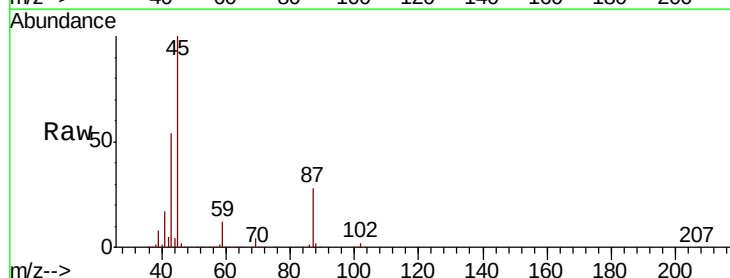
Ion Ratio Lower Upper

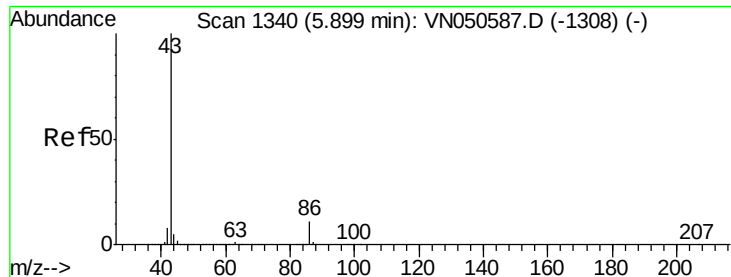
45 100

43 53.8 44.5 66.7

87 28.2 22.2 33.2

59 11.9 9.5 14.3





#23

Vinyl Acetate

Concen: 481.97 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 8138272

Ion Ratio Lower Upper

43 100

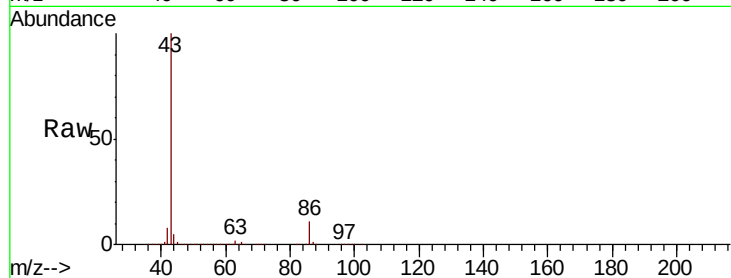
86 10.8 8.4 12.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN050588.D (-1339) (-)

Ion 86.00 (85.70 to 86.70): VN050588.D (-1339) (-)

2500000

2000000

1500000

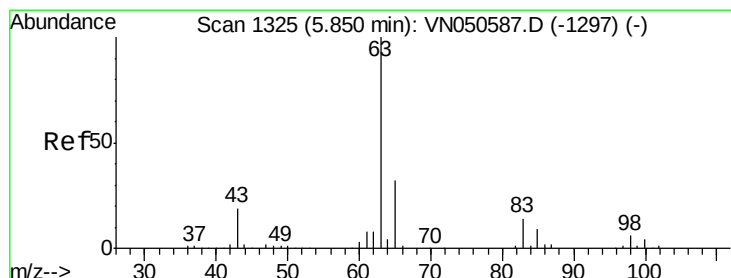
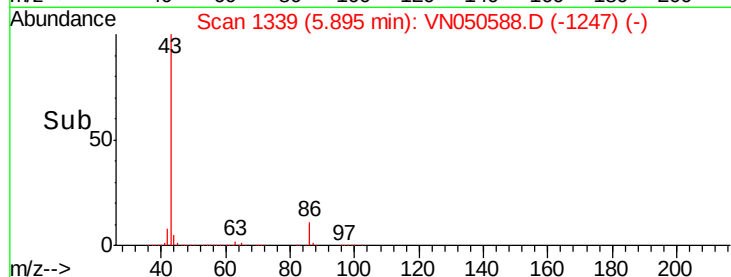
1000000

500000

0

5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 96.59 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

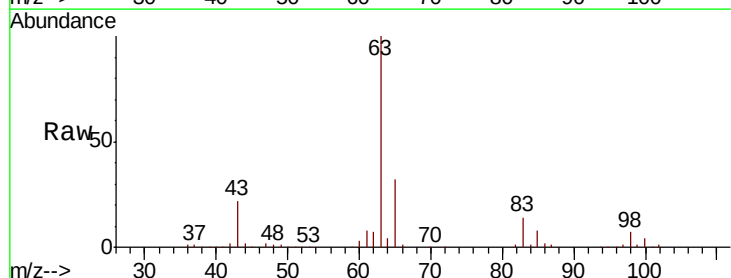
Tgt Ion: 63 Resp: 1429458

Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

100 4.4 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN050588.D (-1325) (-)

Ion 97.90 (97.60 to 98.60): VN050588.D (-1325) (-)

Ion 99.90 (99.60 to 100.60): VN050588.D (-1325) (-)

600000

500000

400000

300000

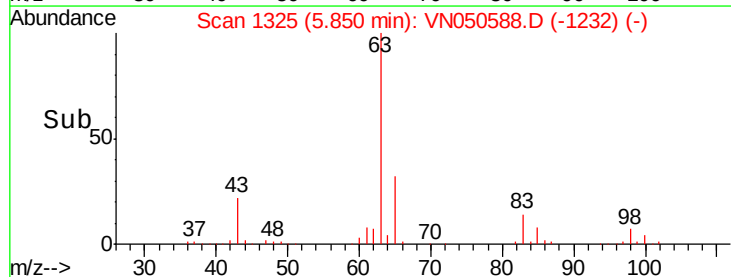
200000

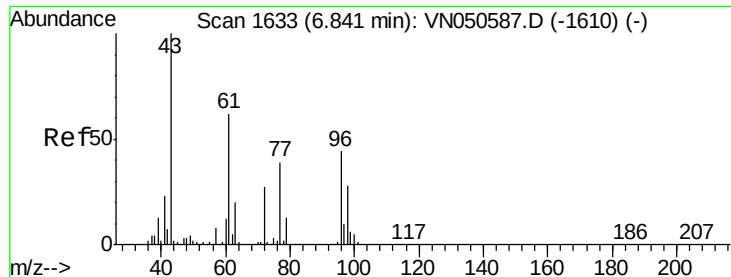
100000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 403.54 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 1746630

Ion Ratio Lower Upper

43 100

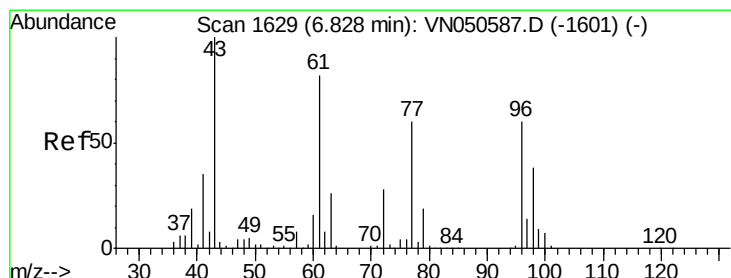
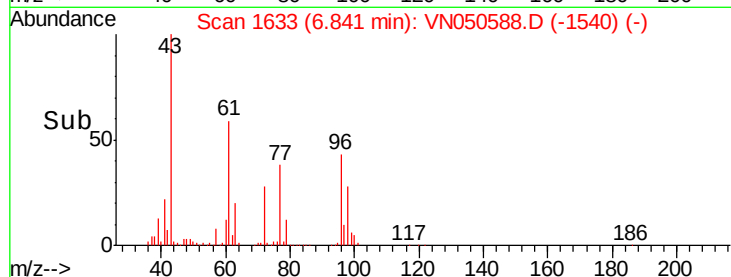
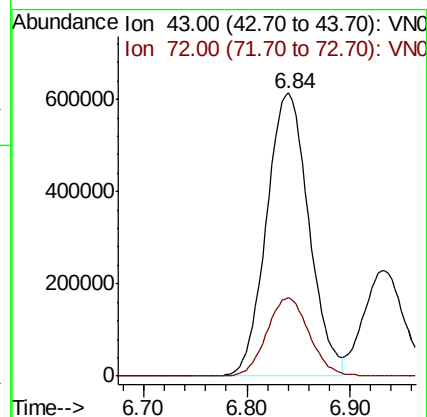
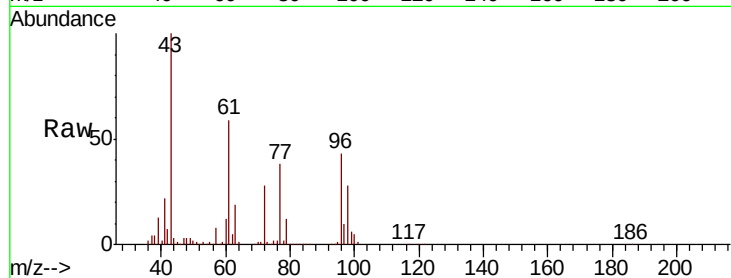
72 27.6 21.8 32.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 79.25 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050588.D

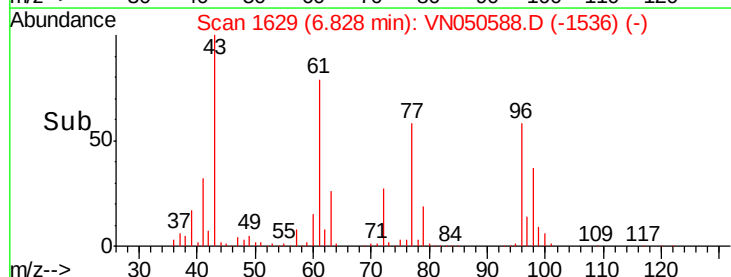
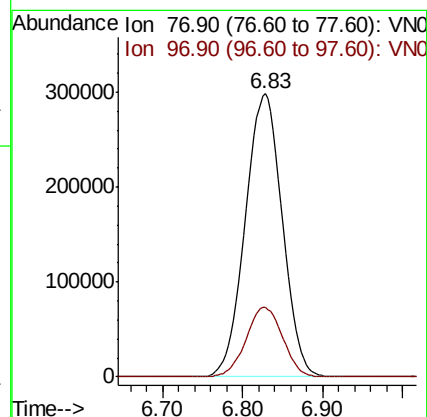
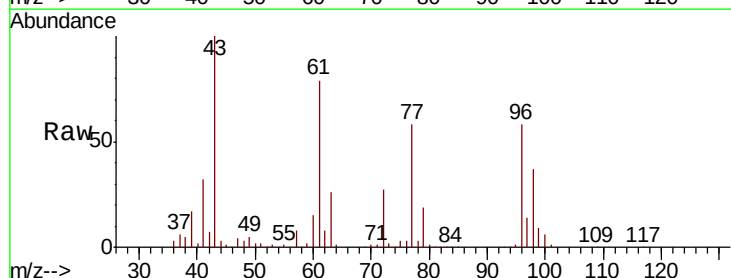
Acq: 14 Aug 2018 1:24

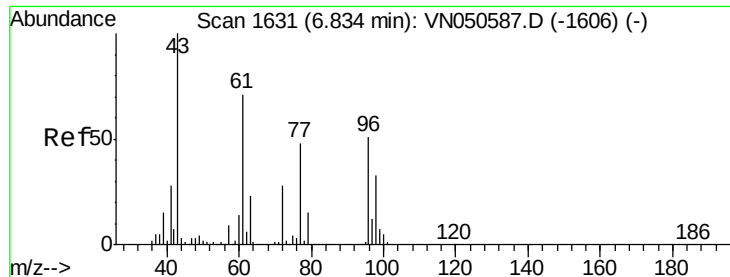
Tgt Ion: 77 Resp: 937581

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 99.34 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 874509

Ion Ratio Lower Upper

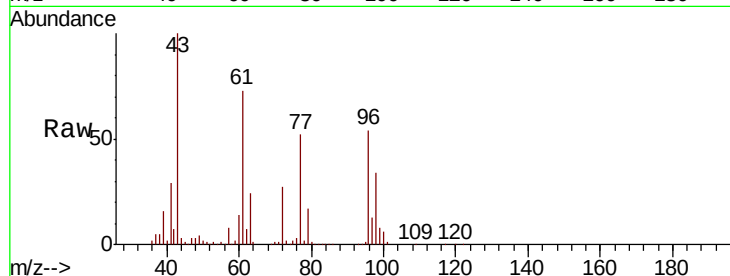
96 100

61 138.6 0.0 278.2

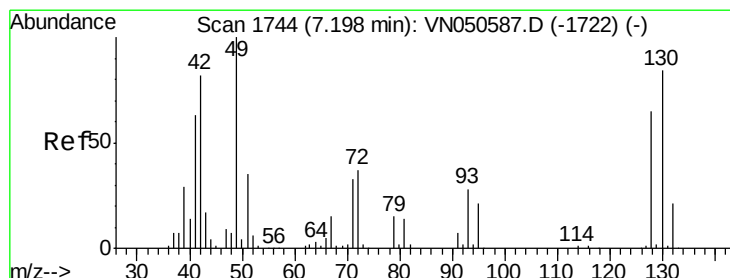
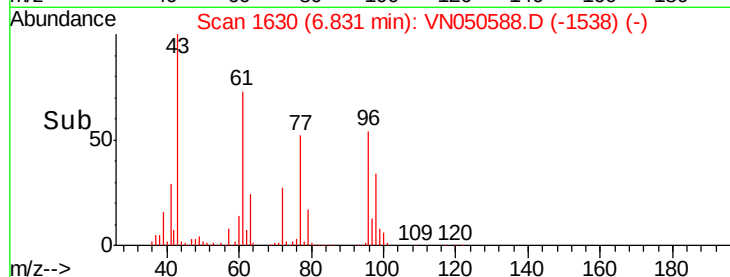
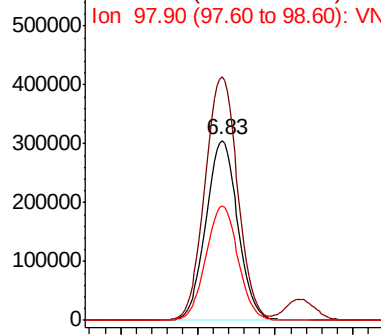
98 64.0 0.0 128.8

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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 99.71 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

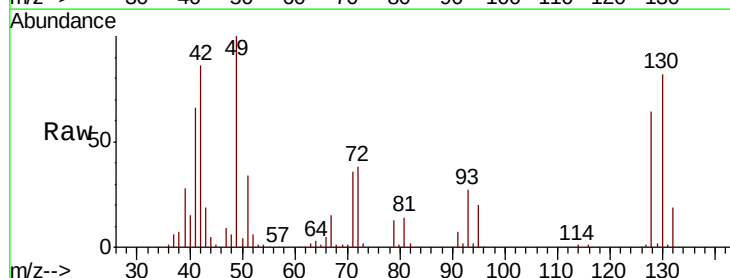
Tgt Ion: 49 Resp: 680226

Ion Ratio Lower Upper

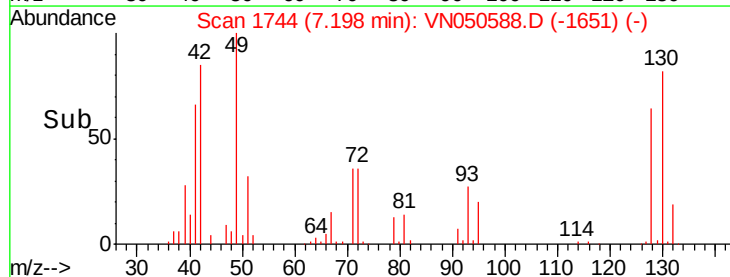
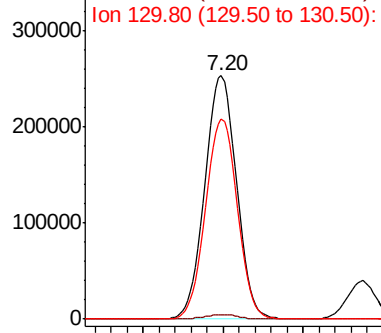
49 100

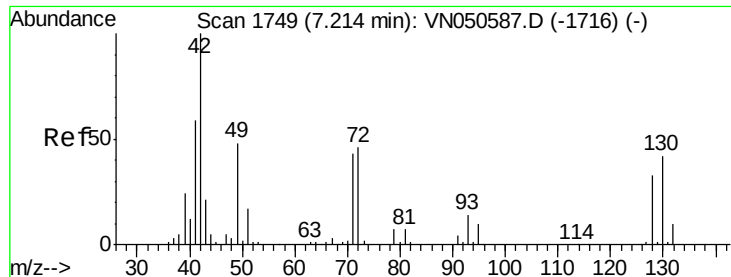
129 2.0 0.0 4.2

130 82.5 66.8 100.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





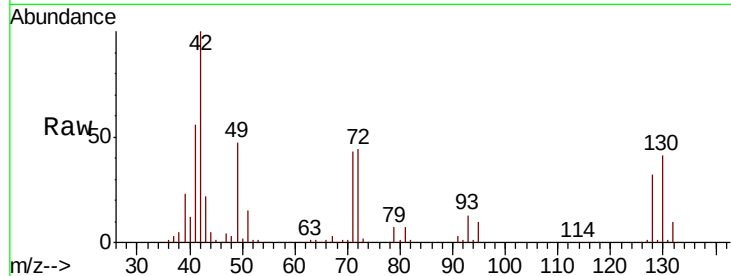
#29
Tetrahydrofuran
Concen: 399.70 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

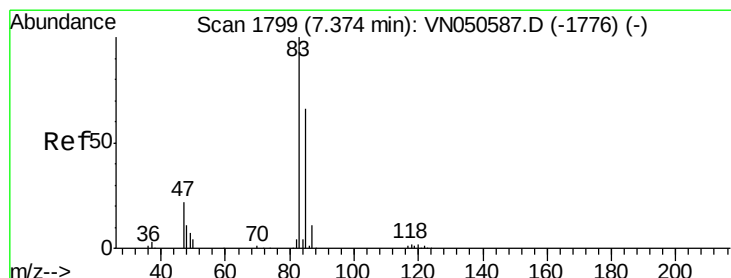
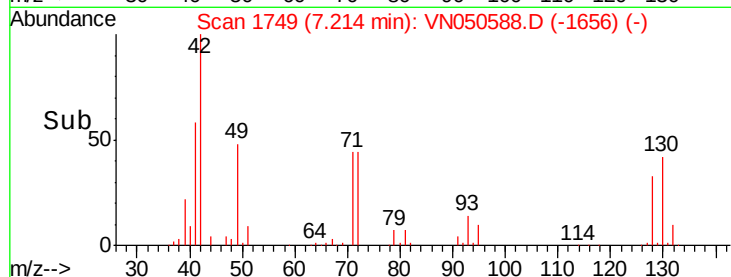
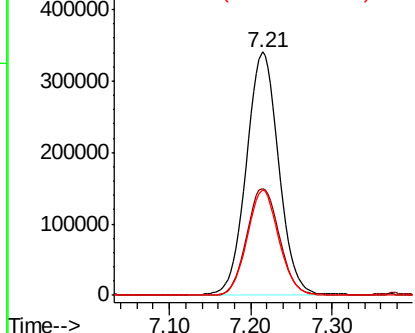
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.8	53.6
71	42.4	33.4	50.0

Manual Integrations
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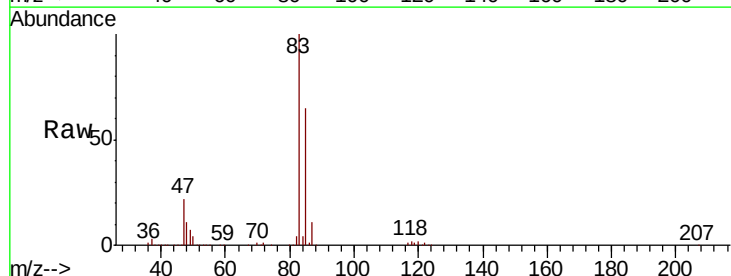


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

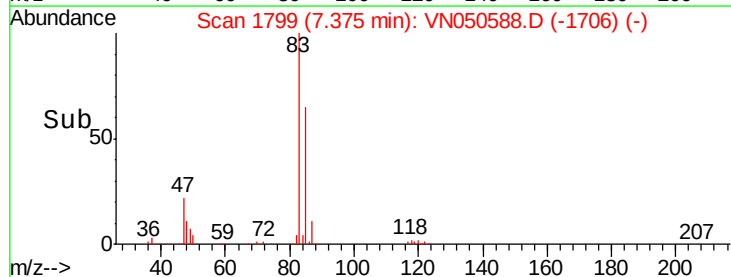
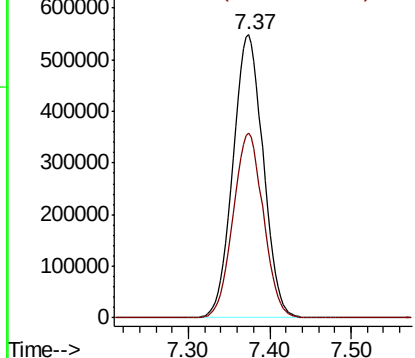


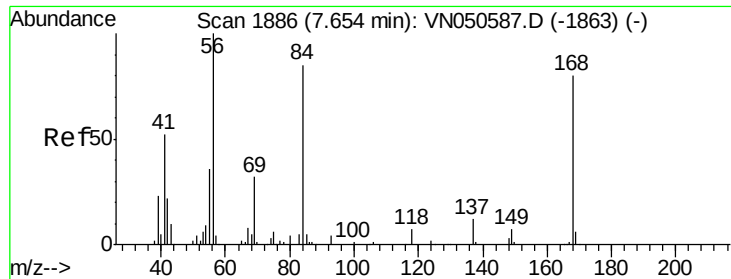
#30
Chloroform
Concen: 95.65 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





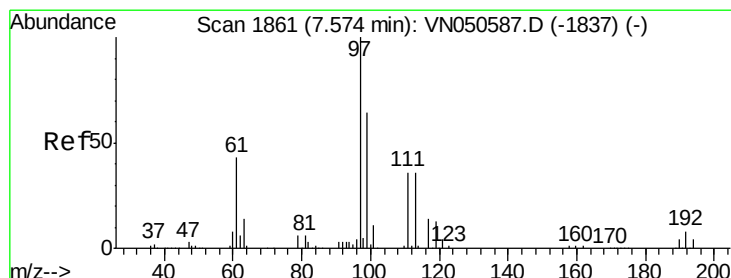
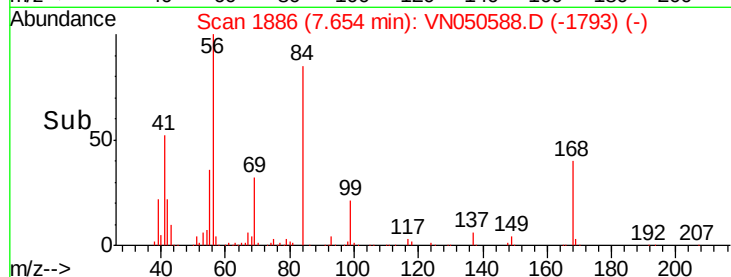
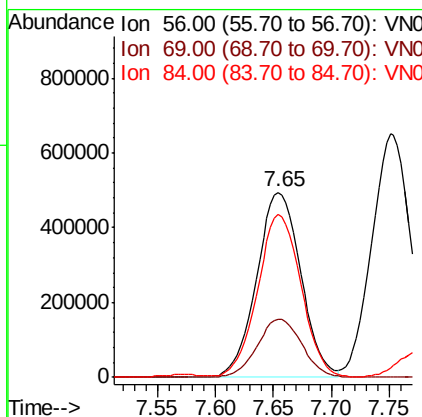
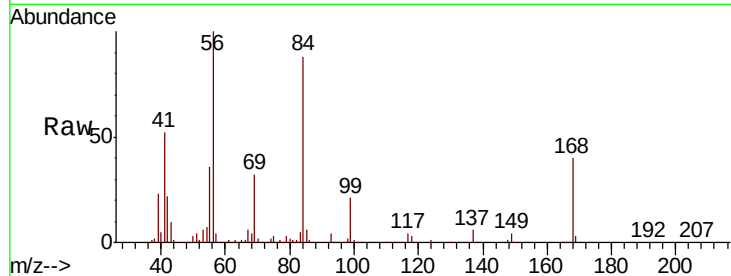
#31
Cyclohexane
Concen: 88.37 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 1309725
Ion Ratio Lower Upper
56 100
69 31.5 25.8 38.6
84 86.3 67.8 101.6

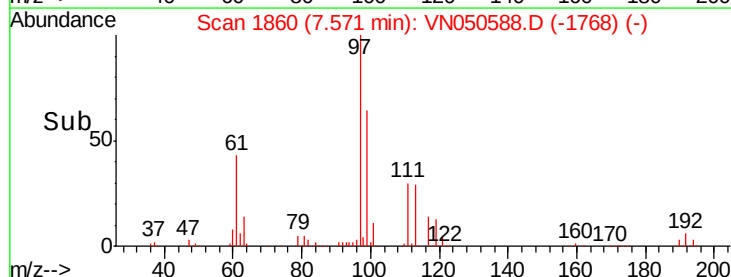
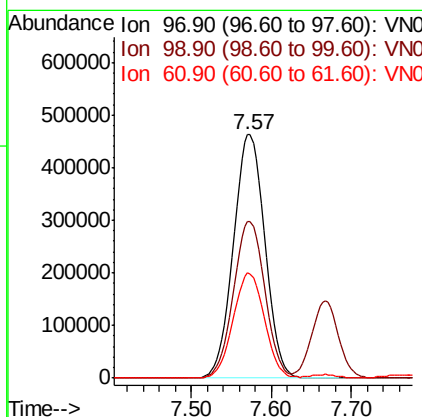
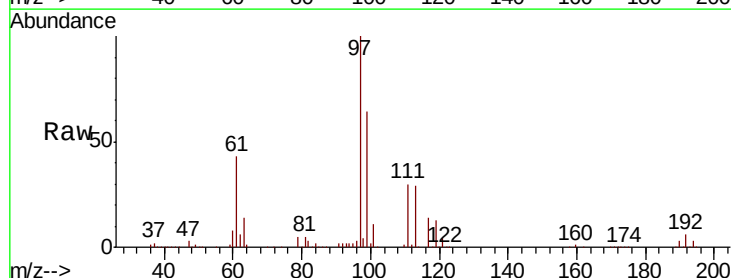
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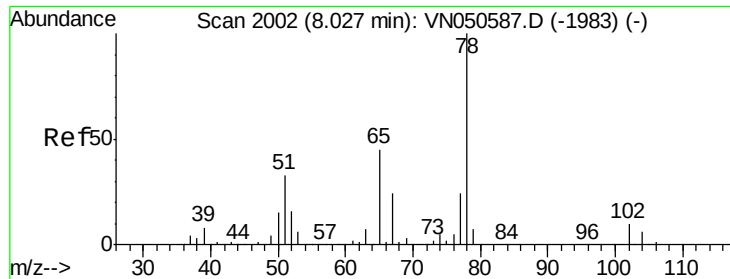
MMDadoda
8/15/2018 3:21:42 PM



#32
1,1,1-Trichloroethane
Concen: 96.75 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion: 97 Resp: 1228980
Ion Ratio Lower Upper
97 100
99 64.3 51.1 76.7
61 43.1 34.8 52.2





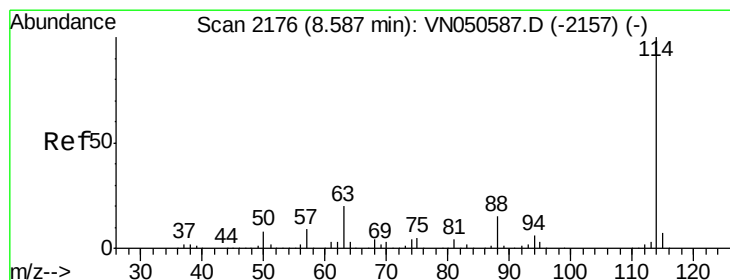
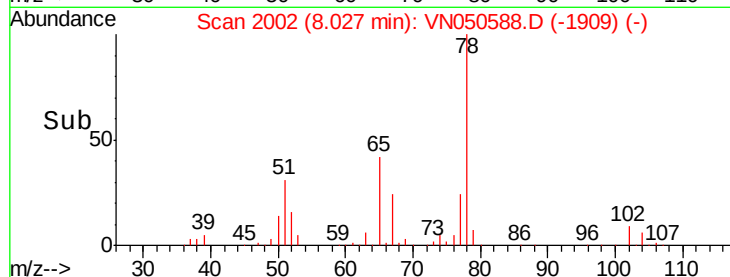
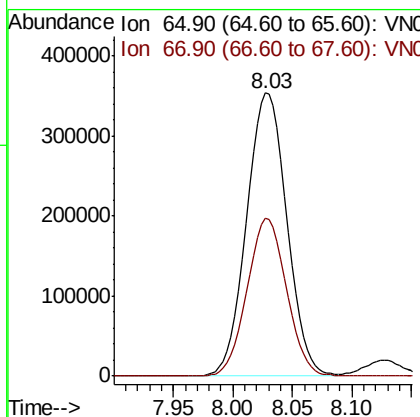
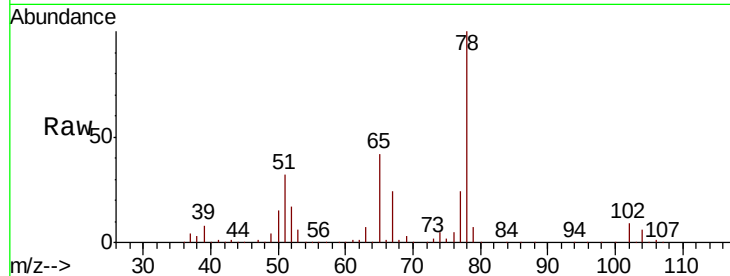
#33
 1,2-Dichloroethane-d4
 Concen: 91.92 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	829902		
67	54.5	0.0	109.8	

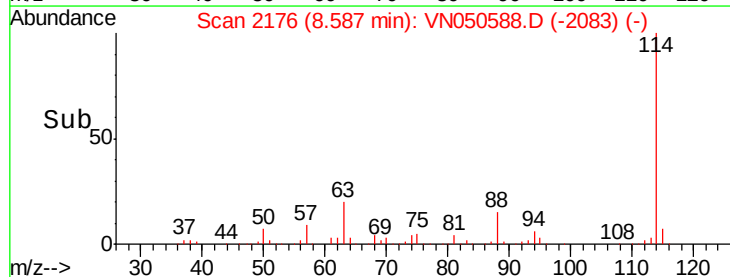
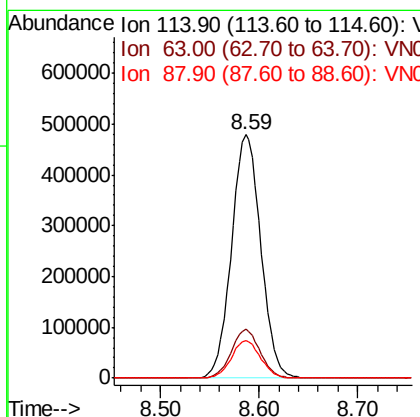
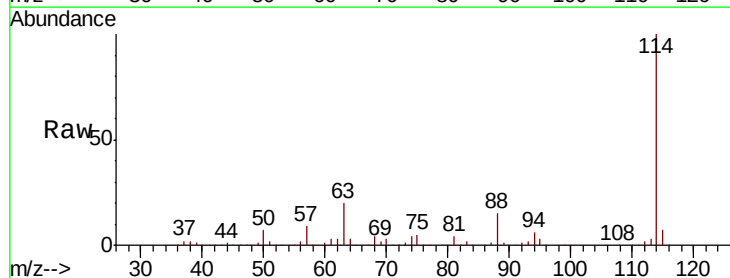
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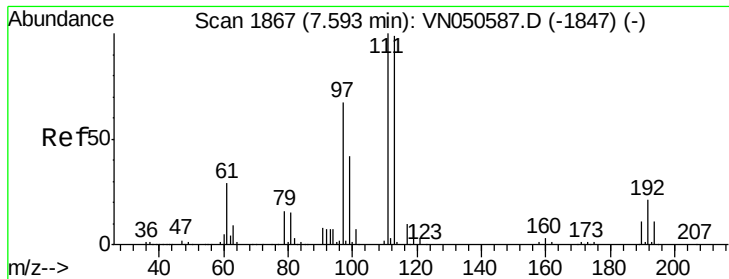
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	988476		
63	19.9	0.0	40.0	
88	15.2	0.0	30.8	





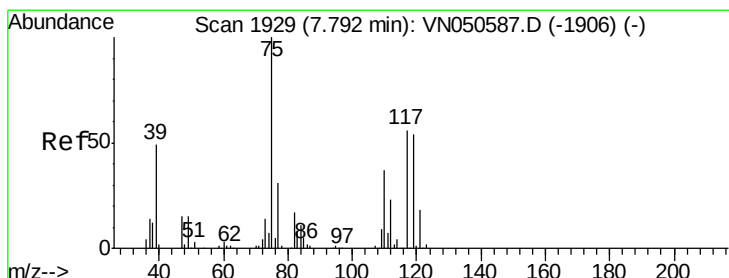
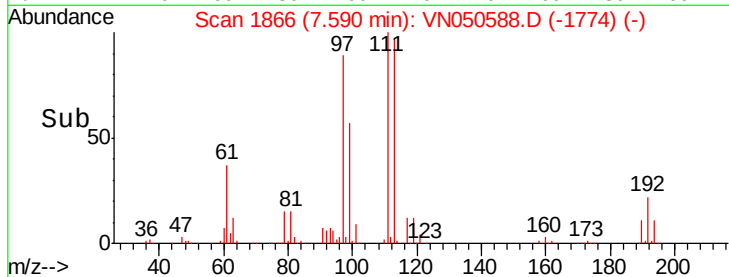
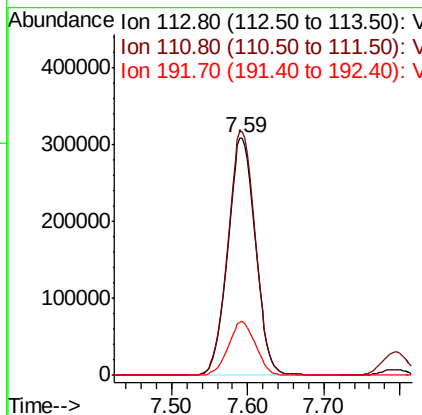
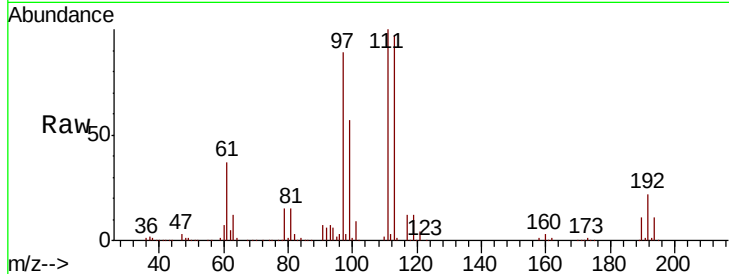
#35
 Dibromofluoromethane
 Concen: 98.07 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	778900		
111	102.7		81.0	121.6
192	22.4		17.6	26.4

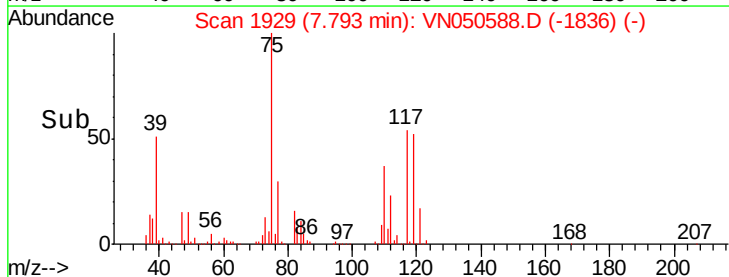
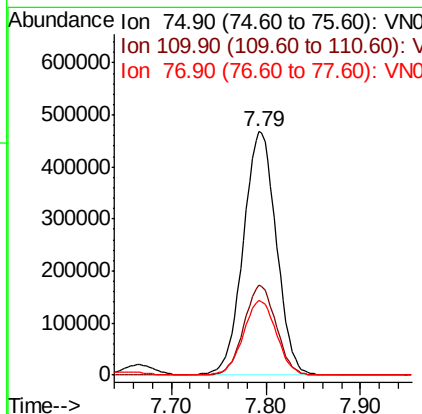
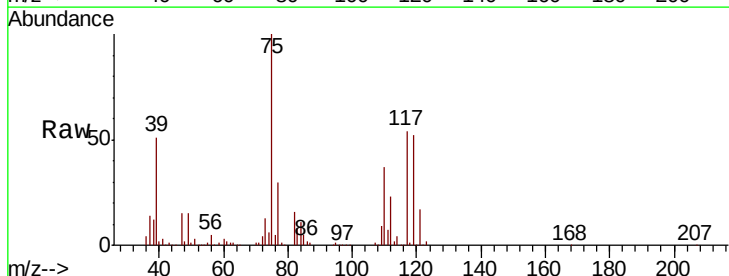
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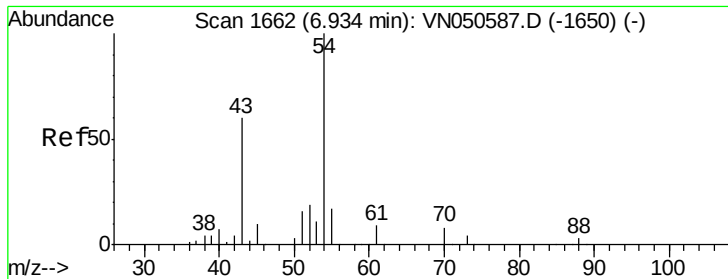
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 104.04 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1128387		
110	36.2		18.3	54.9
77	30.8		25.0	37.4





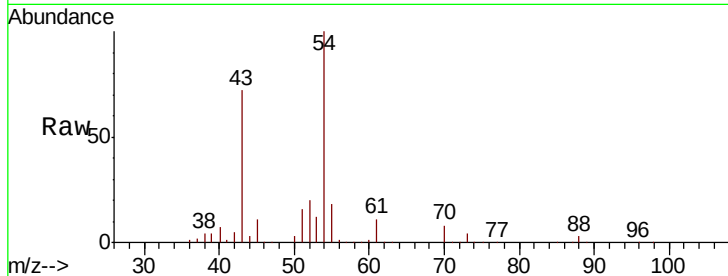
#37
Ethyl Acetate
Concen: 85.93 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.0	18.0
70	10.9	8.5	12.7

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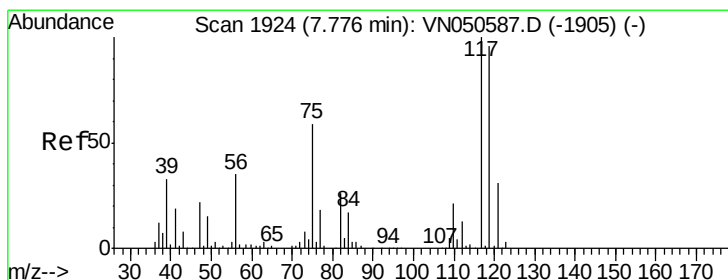
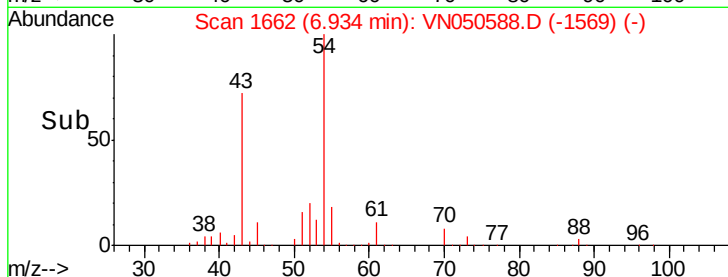
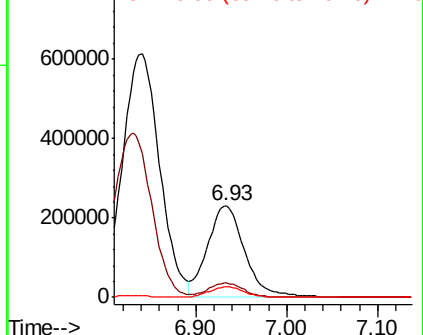


Abundance

Ion 43.00 (42.70 to 43.70): VN050588.D (-1650) (-)

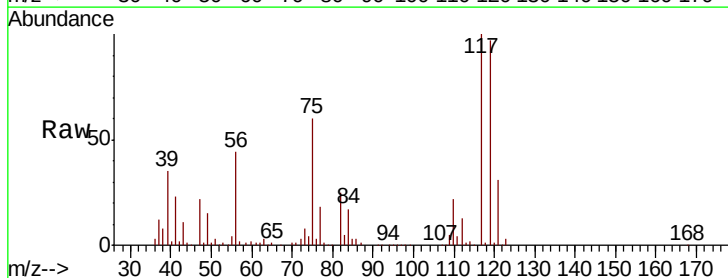
Ion 60.90 (60.60 to 61.60): VN050588.D (-1650) (-)

Ion 70.00 (69.70 to 70.70): VN050588.D (-1650) (-)



#38
Carbon Tetrachloride
Concen: 97.75 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.6	115.0
121	30.6	25.0	37.6

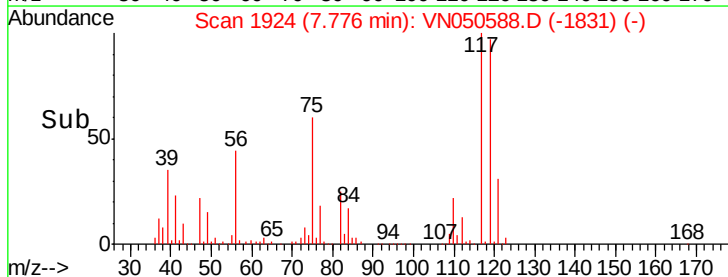
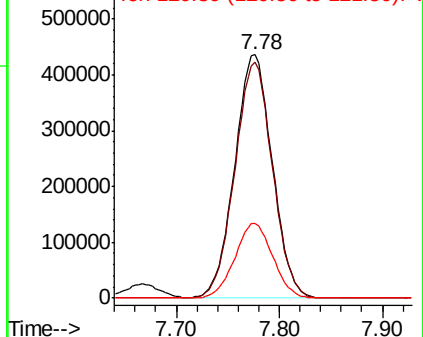


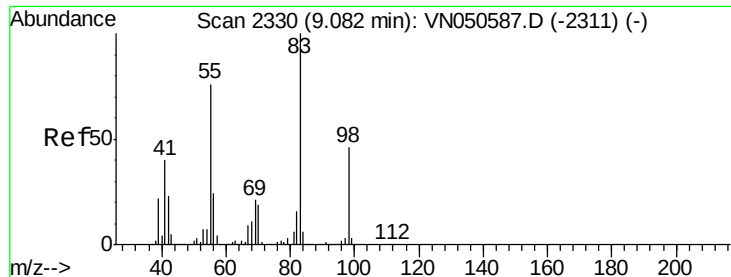
Abundance

Ion 116.80 (116.50 to 117.50): VN050588.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN050588.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN050588.D (-1831) (-)





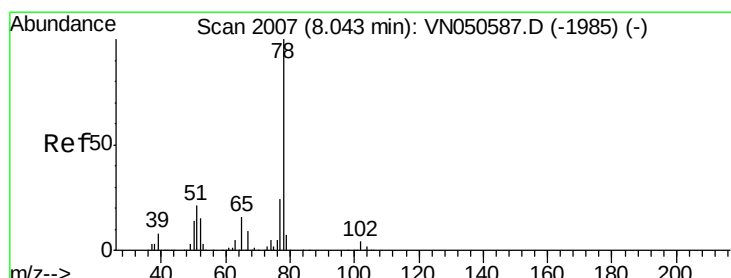
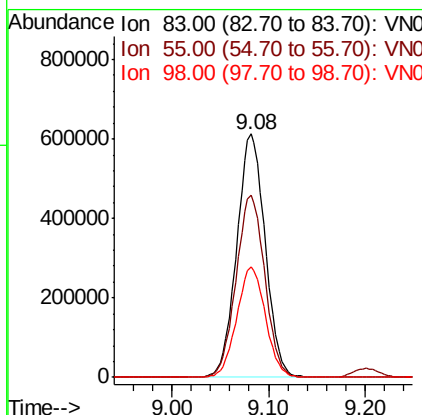
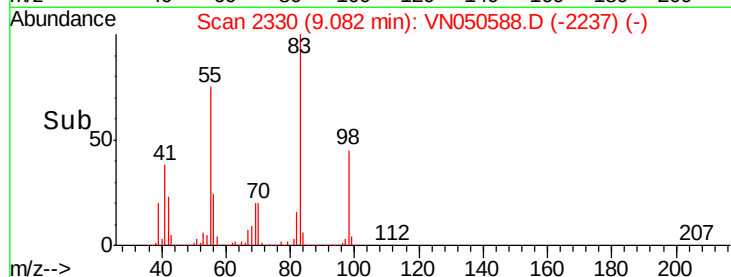
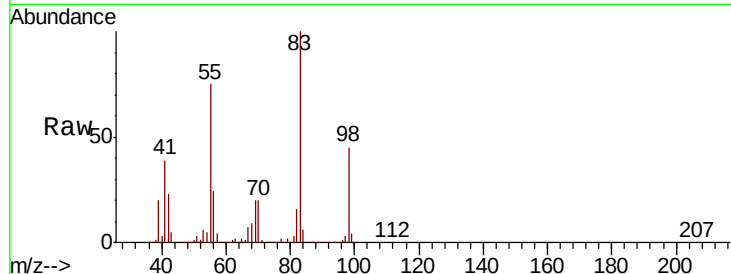
#39
Methvlcvclohexane
Concen: 105.56 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	60.6	91.0
98	45.3	37.0	55.4

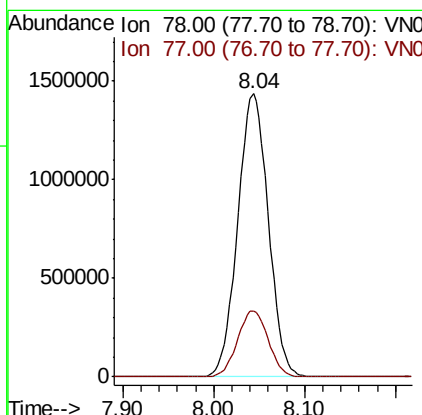
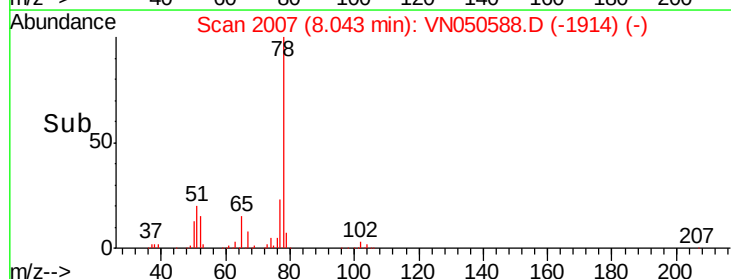
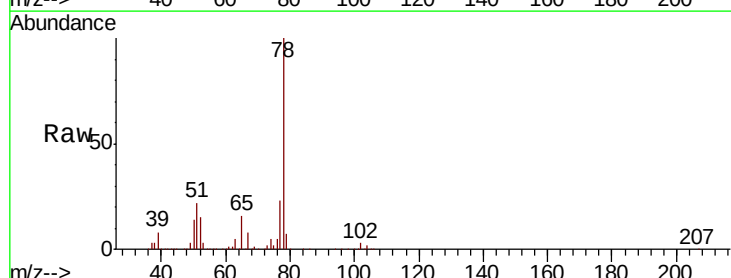
Manual Integrations
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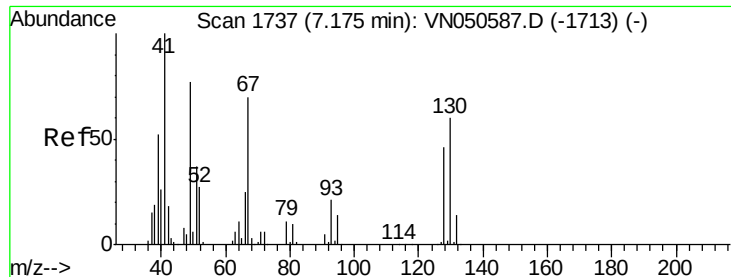
MMDadoda
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#40
Benzene
Concen: 100.46 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6





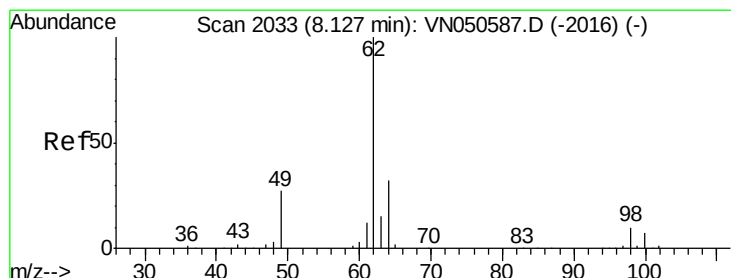
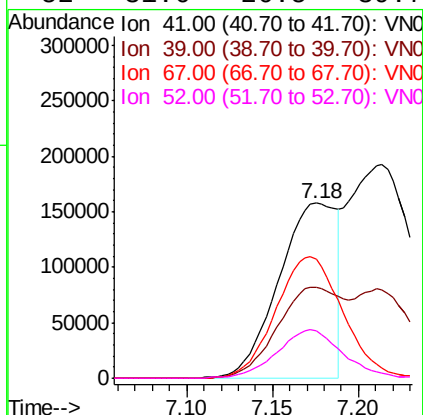
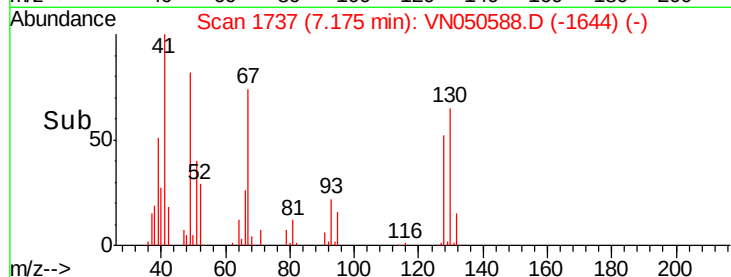
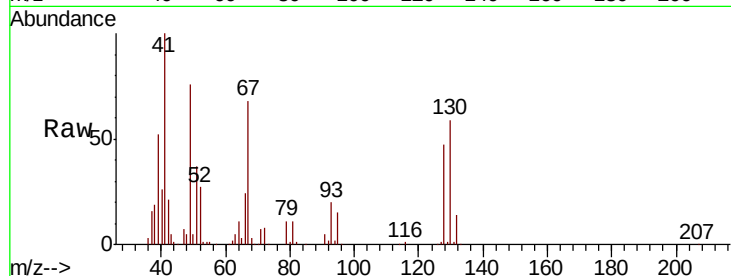
#41
Methacrylonitrile
Concen: 91.08 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		369121		
39	59.6	44.6	66.8		
67	80.9	66.7	100.1		
52	31.6	26.5	39.7		

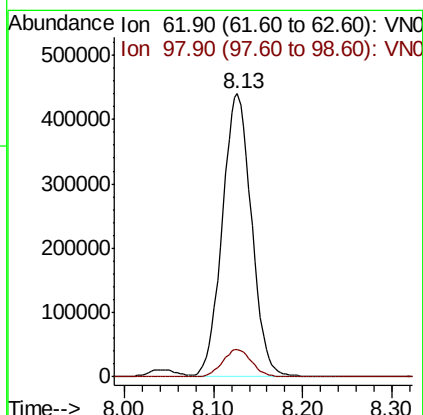
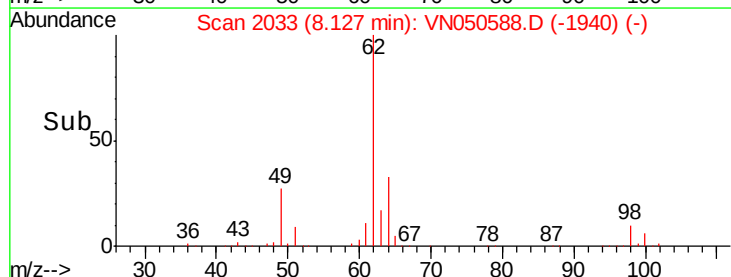
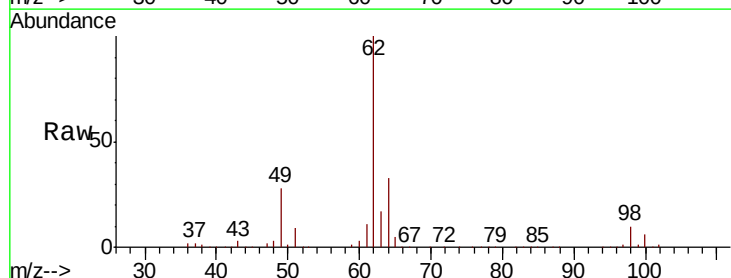
Manual Integrations
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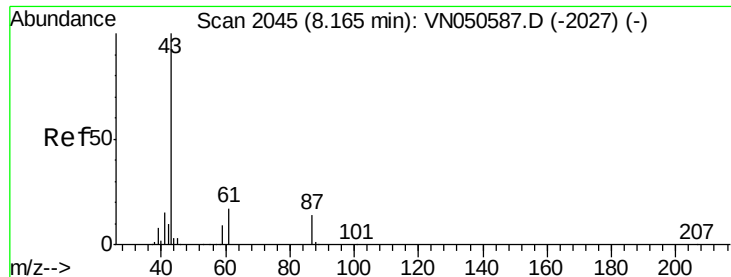
MMDadoda
8/15/2018 3:21:42 PM



#42
1,2-Dichloroethane
Concen: 94.84 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		995943		
98	9.7	0.0	19.4		





#43

Isopropyl Acetate

Concen: 87.35 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1144261

Ion Ratio Lower Upper

43 100

61 30.6 16.2 24.2#

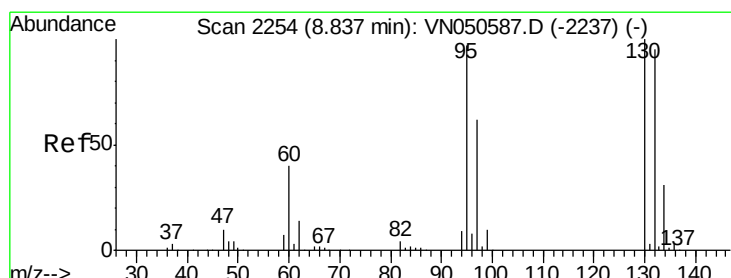
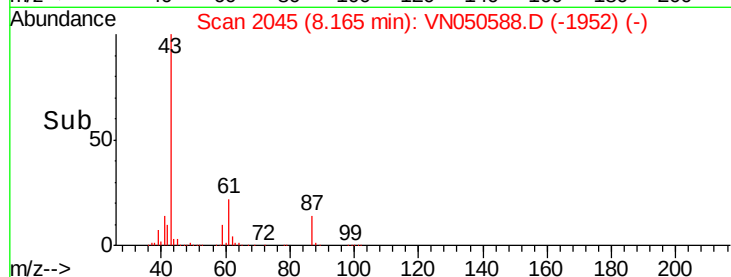
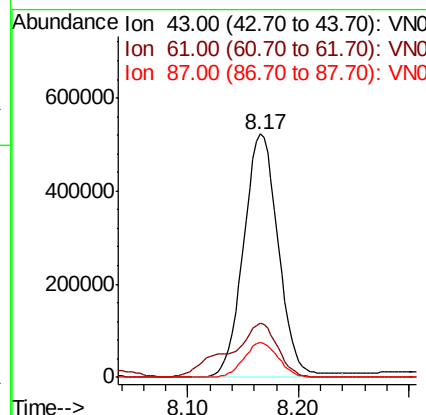
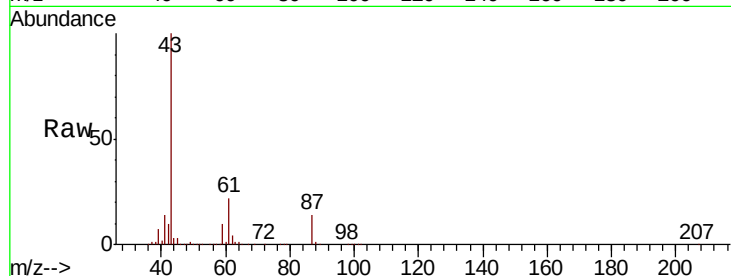
87 14.0 10.9 16.3

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#44

Trichloroethene

Concen: 98.04 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050588.D

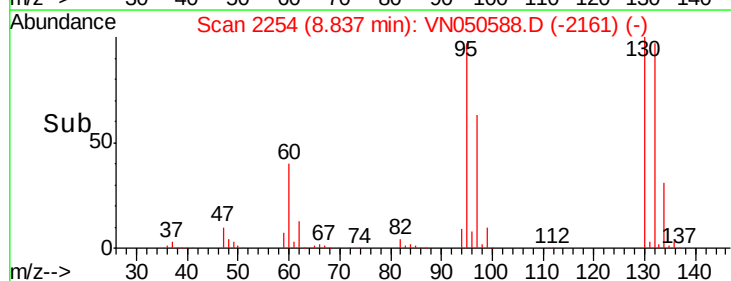
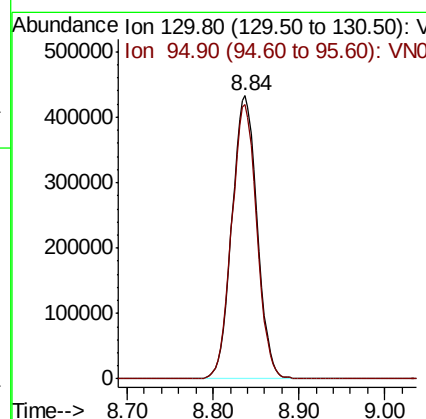
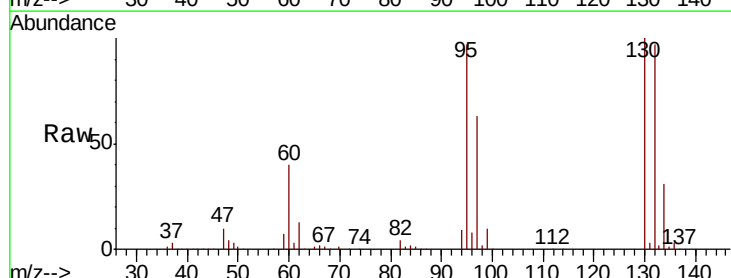
Acq: 14 Aug 2018 1:24

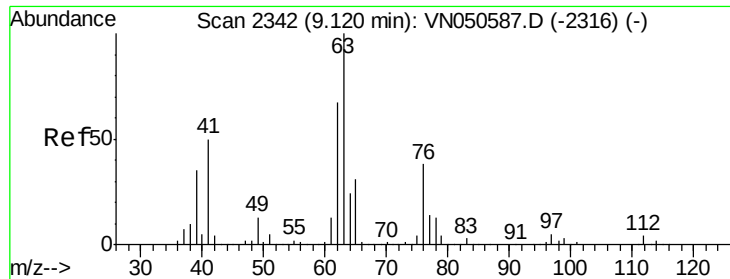
Tgt Ion: 130 Resp: 880452

Ion Ratio Lower Upper

130 100

95 97.0 0.0 193.8





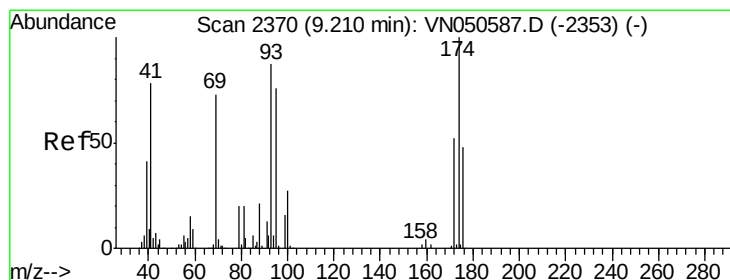
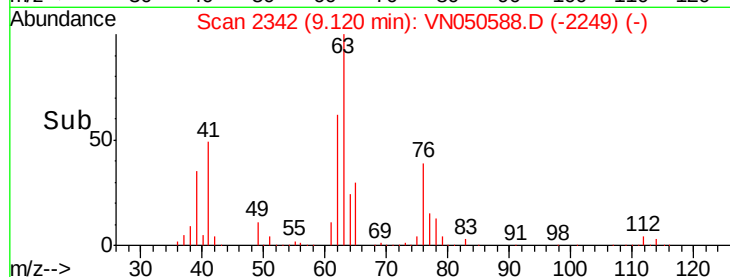
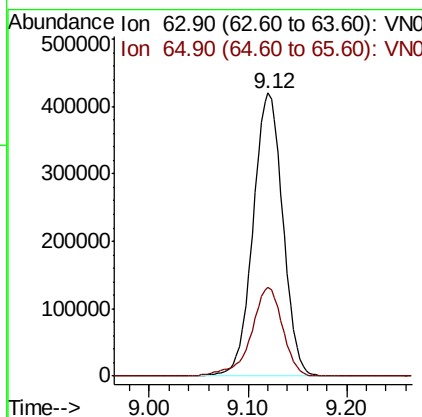
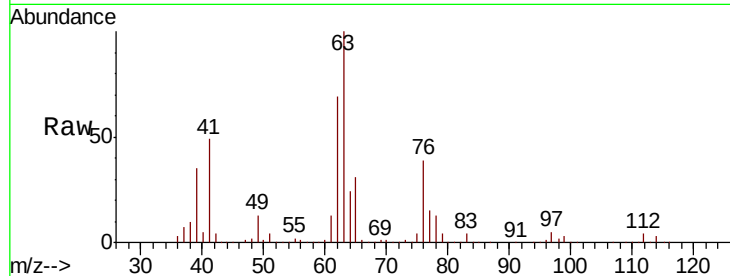
#45
 1,2-Dichloropropane
 Concen: 99.29 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.5	36.7

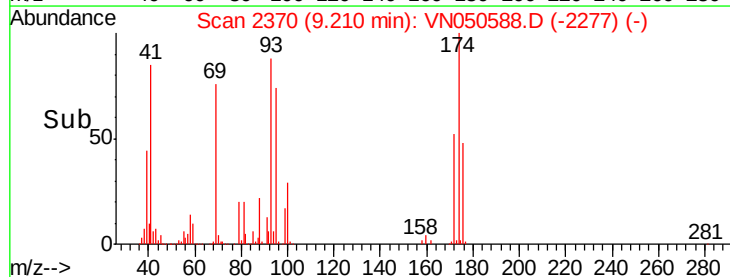
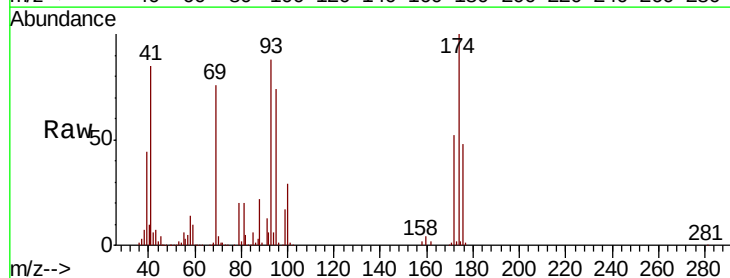
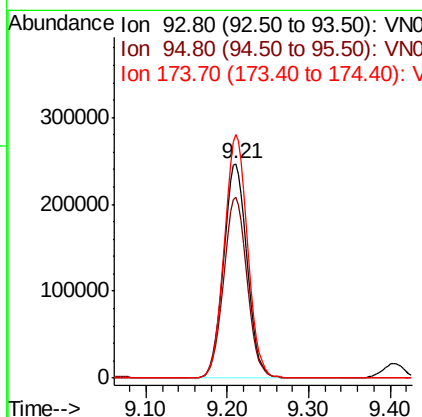
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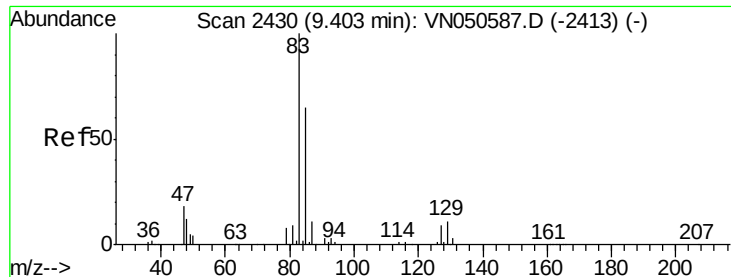
MMDadoda
 8/15/2018 3:21:42 PM



#46
 Dibromomethane
 Concen: 94.46 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	69.1	103.7
174	112.1	91.0	136.6





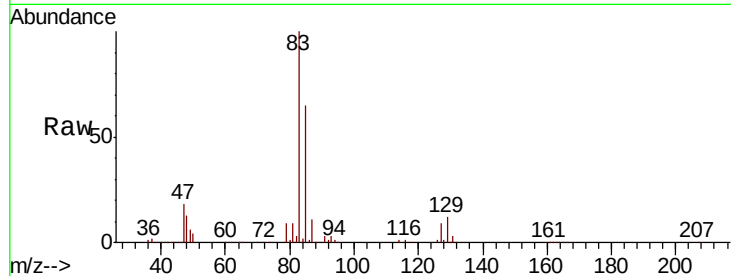
#47
Bromodichloromethane
Concen: 98.09 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

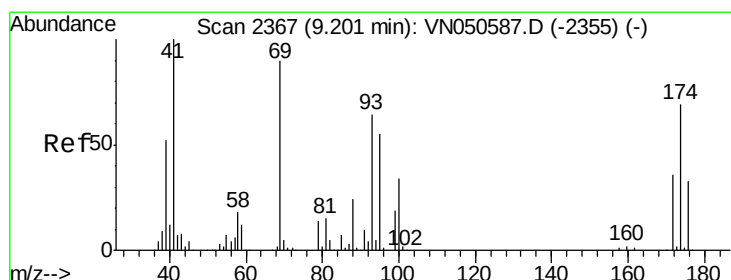
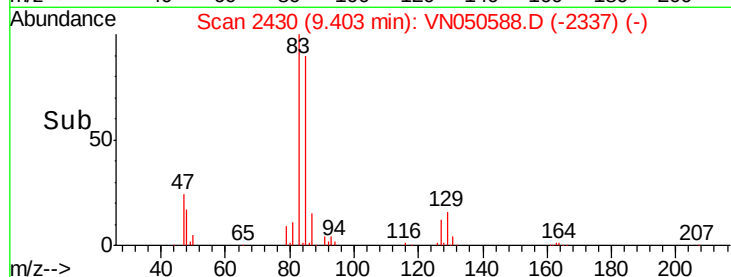
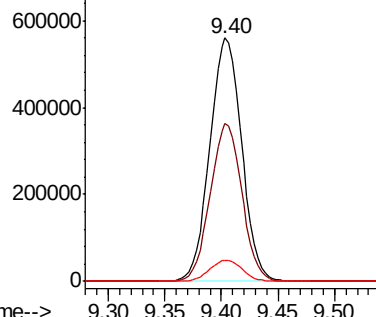
Tot Ion: 83 Resp: 1099646
Ion Ratio Lower Upper
83 100
85 64.9 51.8 77.6
127 8.8 7.2 10.8

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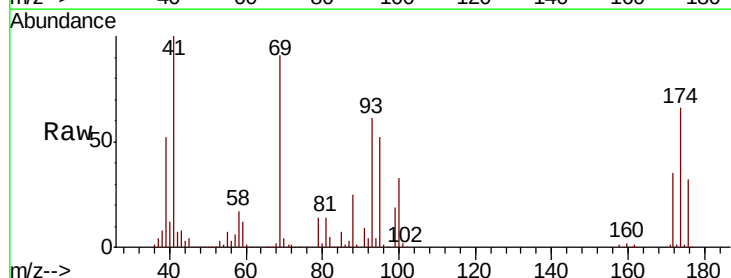


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

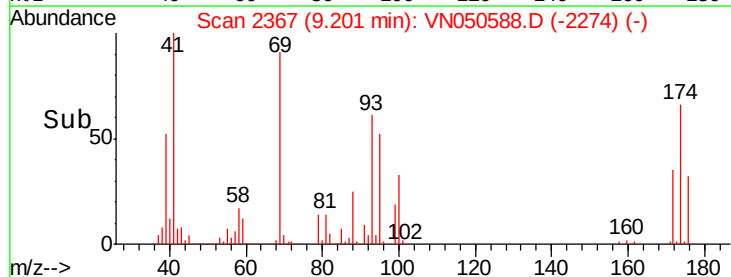
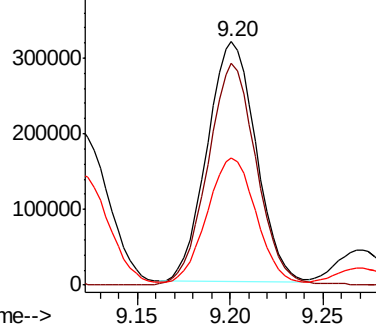


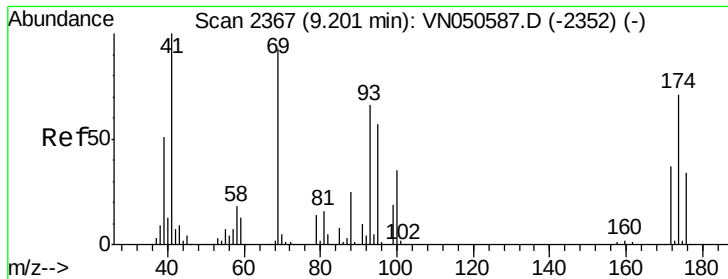
#48
Methyl methacrylate
Concen: 89.55 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion: 41 Resp: 585609
Ion Ratio Lower Upper
41 100
69 91.8 73.4 110.0
39 53.6 43.0 64.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





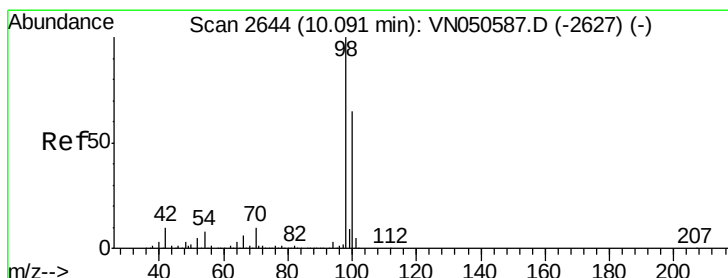
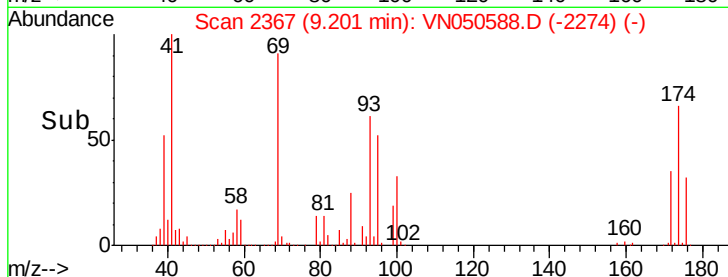
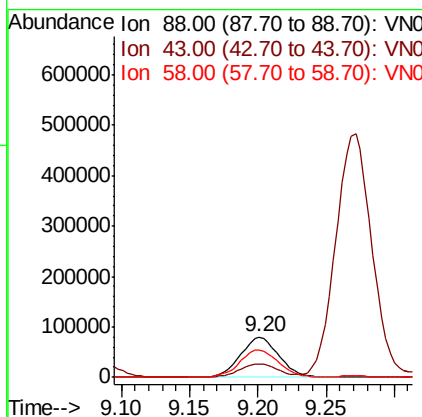
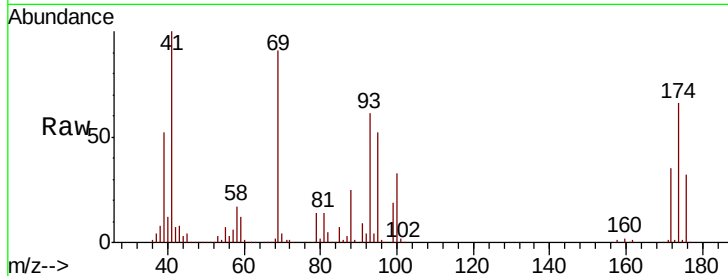
#49
1,4-Dioxane
Concen: 1578.31 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	25.9	38.9
58	68.4	56.5	84.7

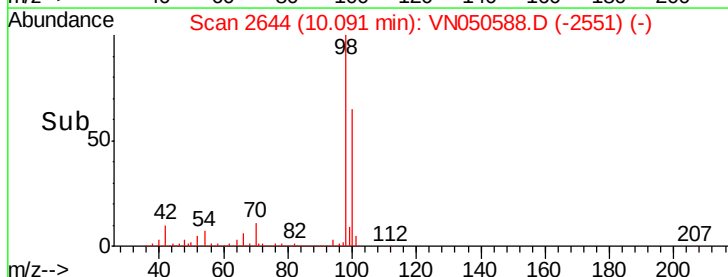
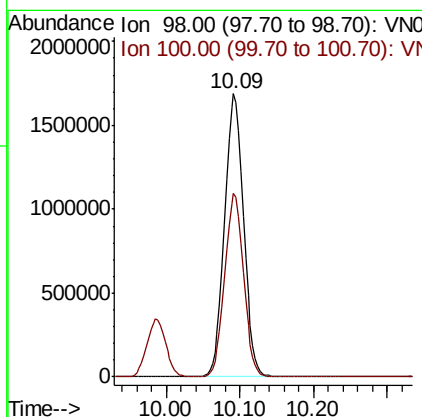
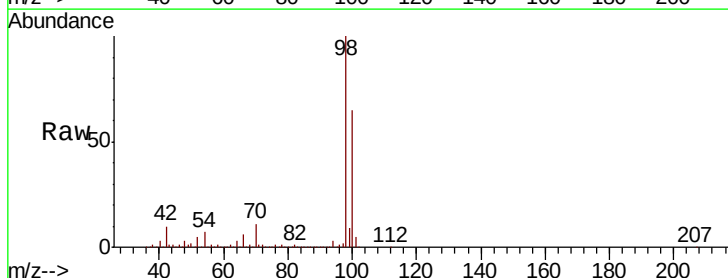
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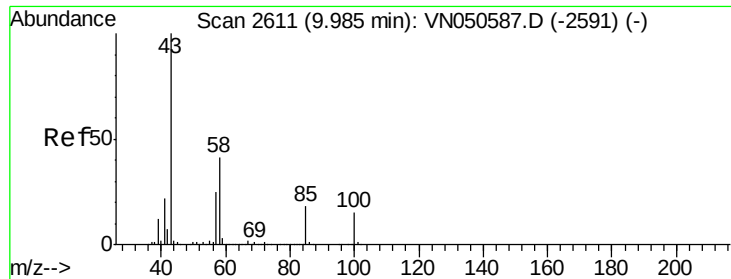
MMDadoda
8/15/2018 3:21:42 PM



#50
Toluene-d8
Concen: 101.52 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 425.86 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3983108

Ion Ratio Lower Upper

43 100

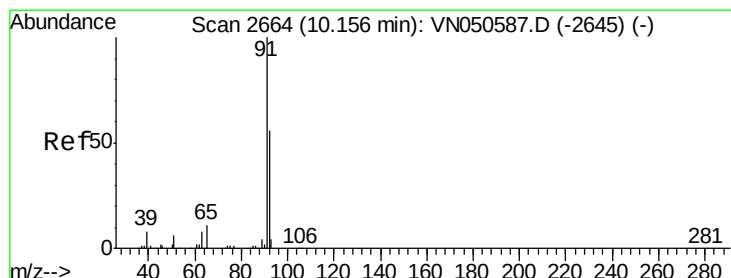
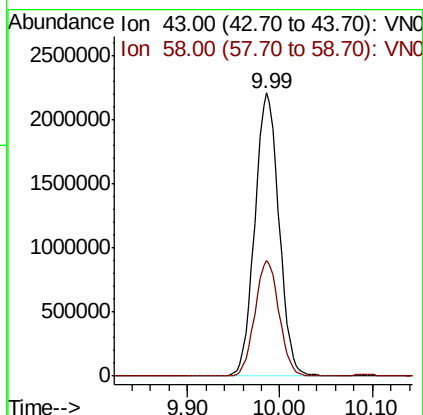
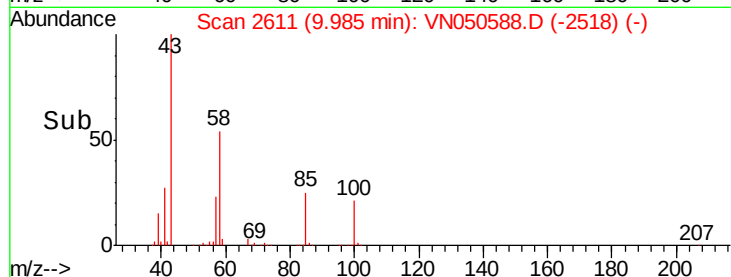
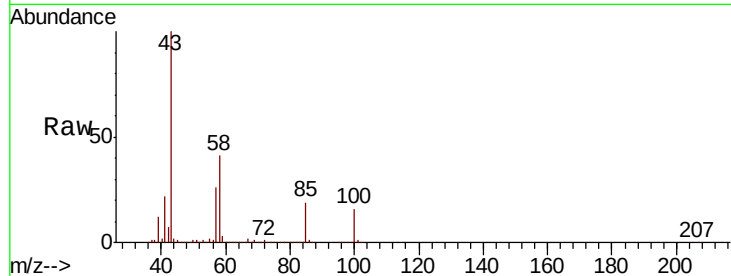
58 40.8 32.5 48.7

Manual Integrations

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#52

Toluene

Concen: 104.84 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050588.D

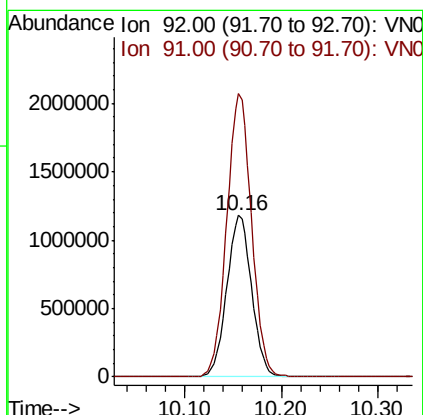
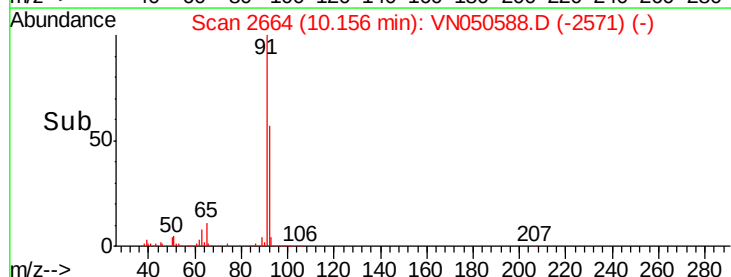
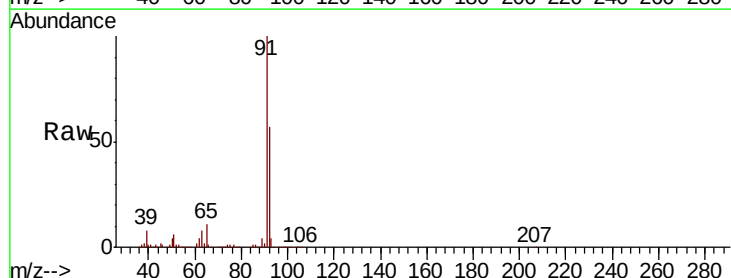
Acq: 14 Aug 2018 1:24

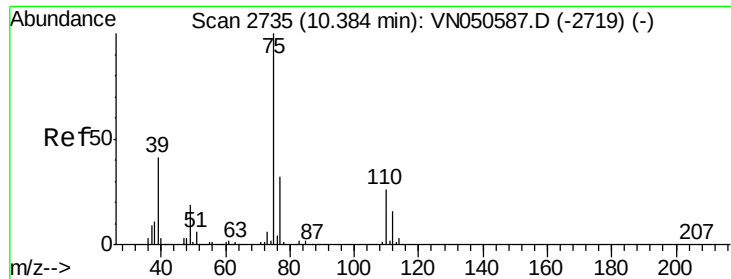
Tgt Ion: 92 Resp: 2099876

Ion Ratio Lower Upper

92 100

91 175.6 141.9 212.9





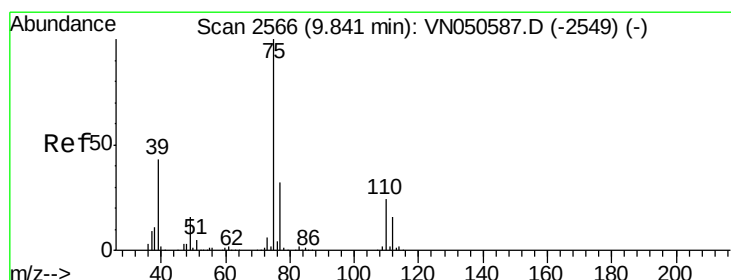
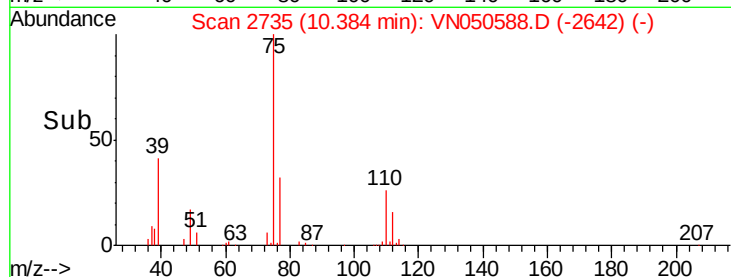
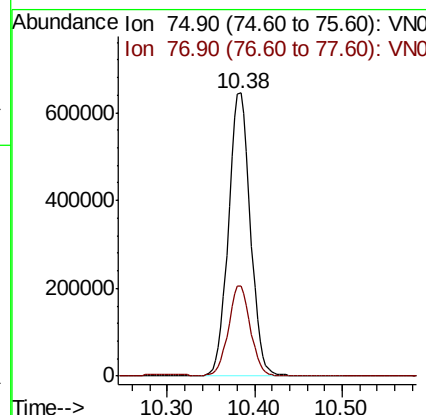
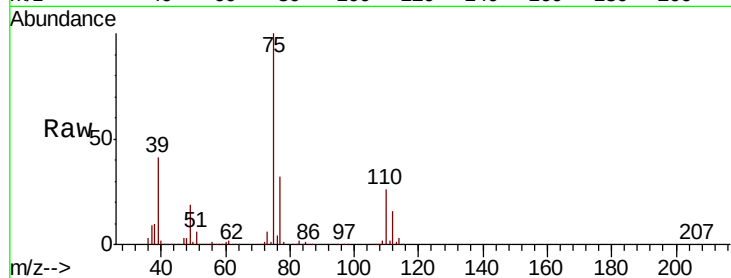
#53
t-1,3-Dichloropropene
Concen: 100.79 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 1121829
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.6

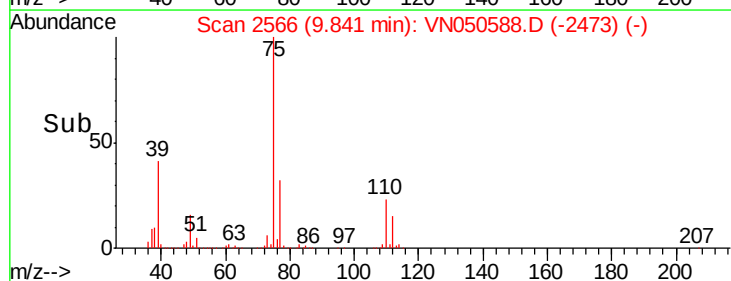
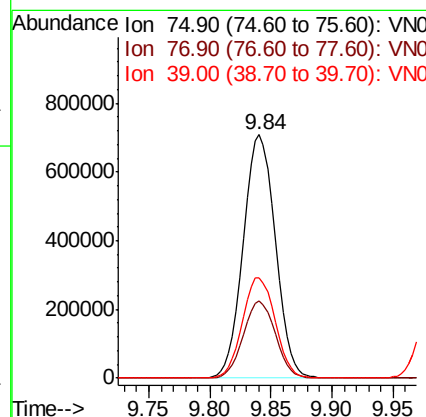
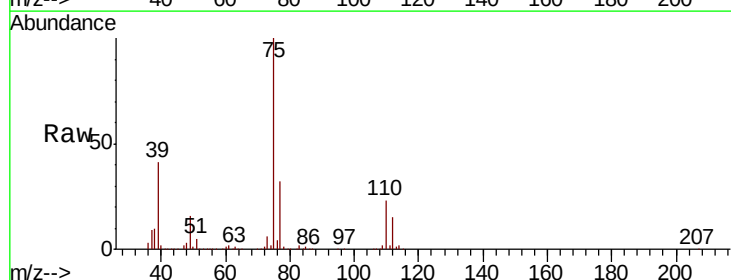
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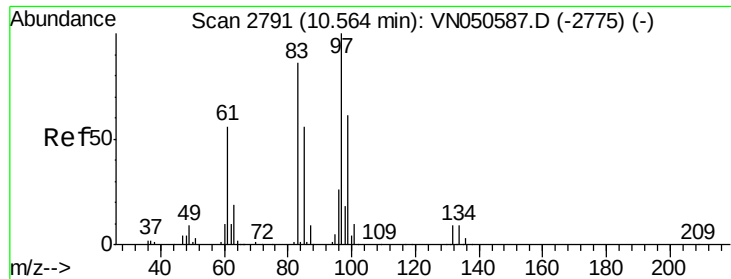
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#54
cis-1,3-Dichloropropene
Concen: 103.18 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion: 75 Resp: 1288545
Ion Ratio Lower Upper
75 100
77 31.5 25.6 38.4
39 41.3 34.4 51.6





#55

1,1,2-Trichloroethane

Concen: 94.36 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

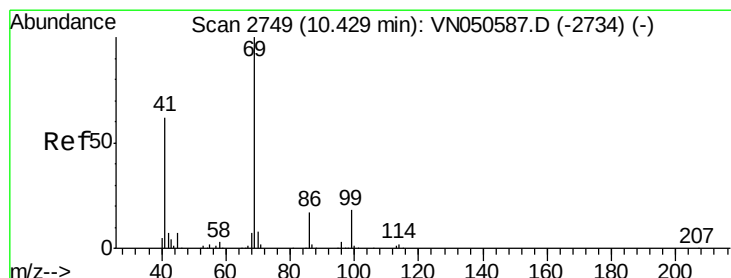
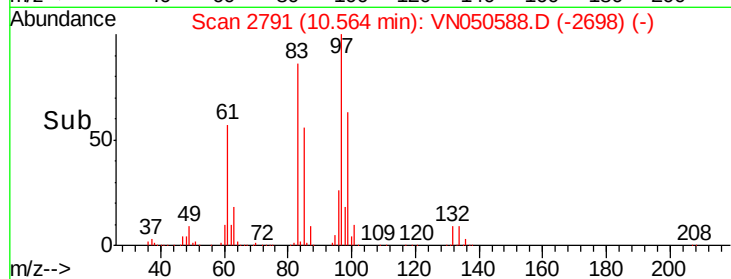
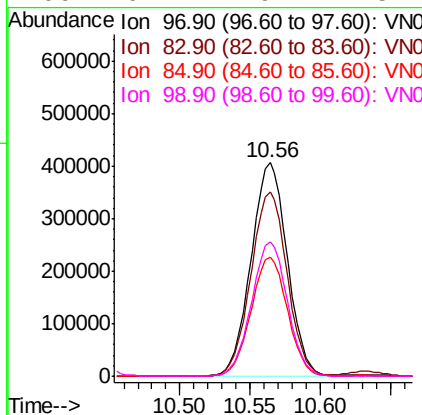
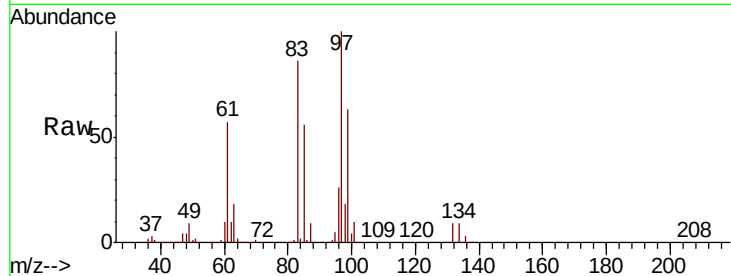
ClientSampled :

VSTDIC100

Tot Ion:	97	Resp:	731444
Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.5	102.7
85	55.8	44.6	66.8
99	62.7	49.1	73.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 100.54 ug/l

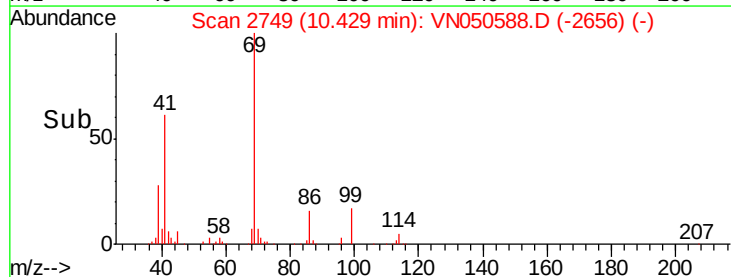
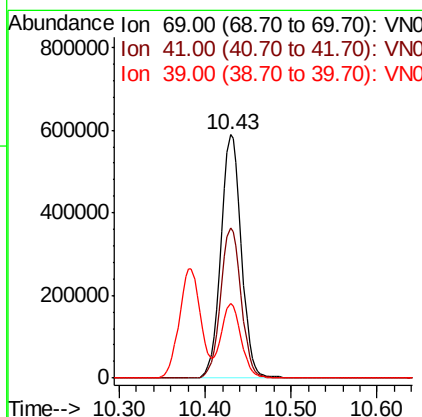
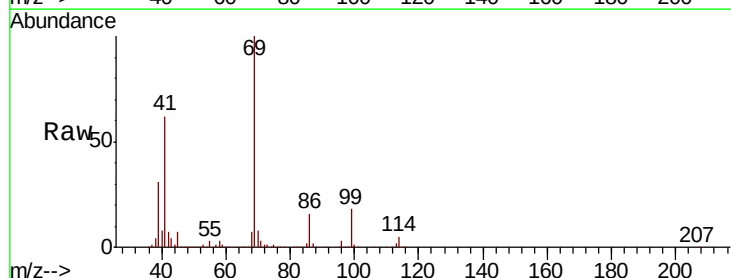
RT: 10.43 min Scan# 2749

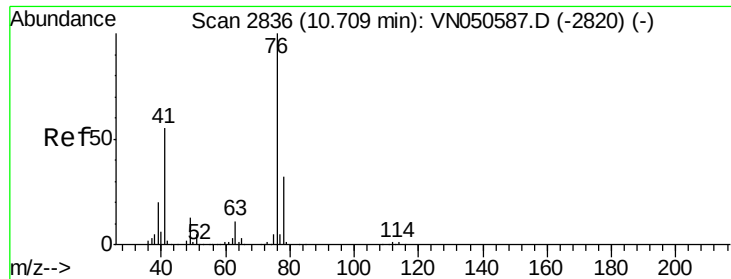
Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Tgt Ion:	69	Resp:	969899
Ion	Ratio	Lower	Upper
69	100		
41	61.7	49.7	74.5
39	30.5	24.2	36.2





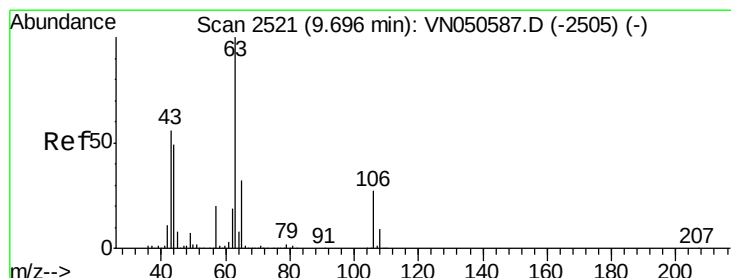
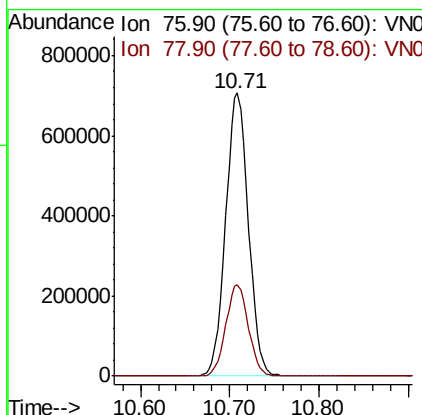
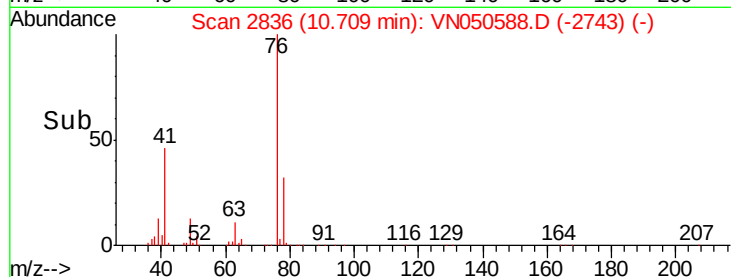
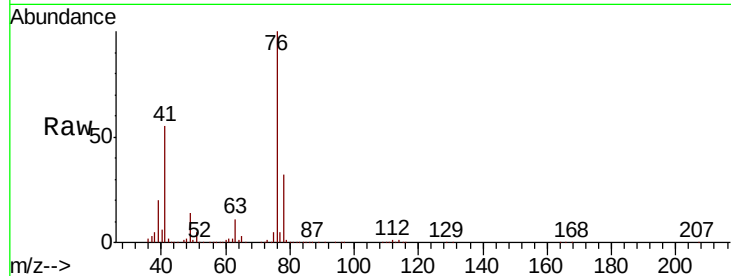
#57
 1,3-Dichloropropane
 Concen: 97.56 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 1242645
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

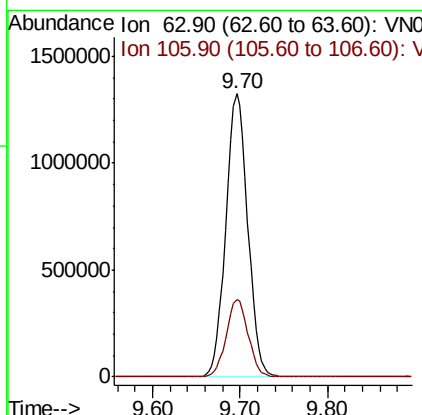
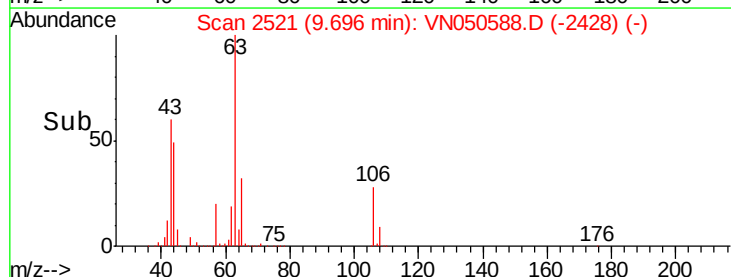
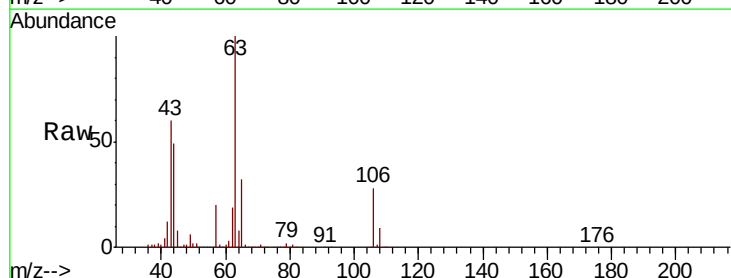
Manual Integrations
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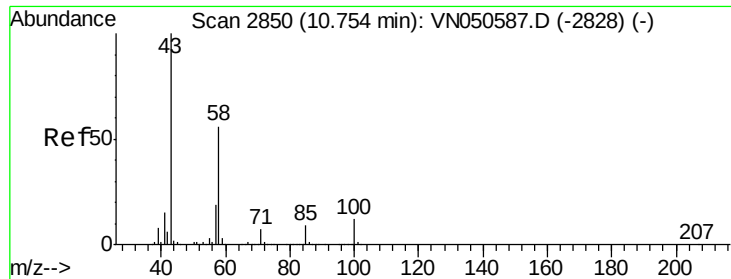
MMDadoda
 8/15/2018 3:21:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 512.03 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 63 Resp: 2307506
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.7 32.5





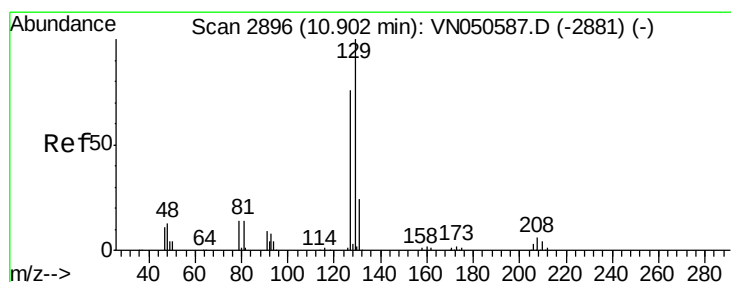
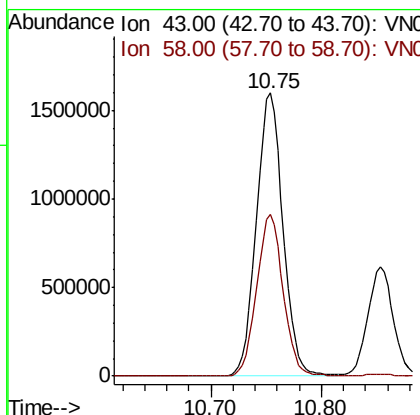
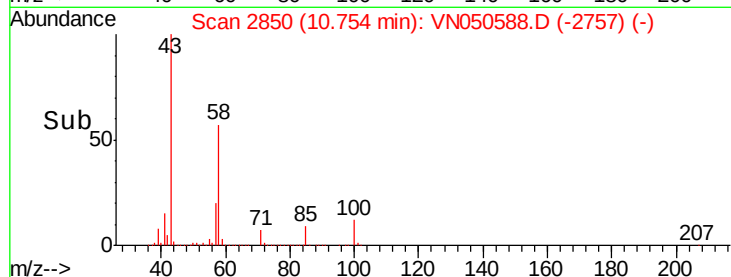
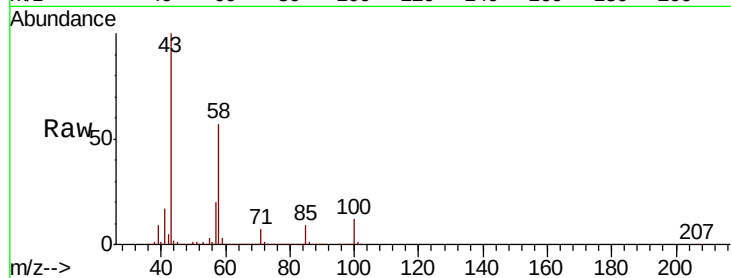
#59
2-Hexanone
Concen: 411.42 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2668395
Ion Ratio Lower Upper
43 100
58 56.9 28.0 84.0

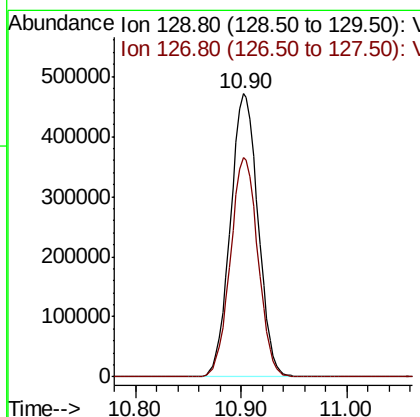
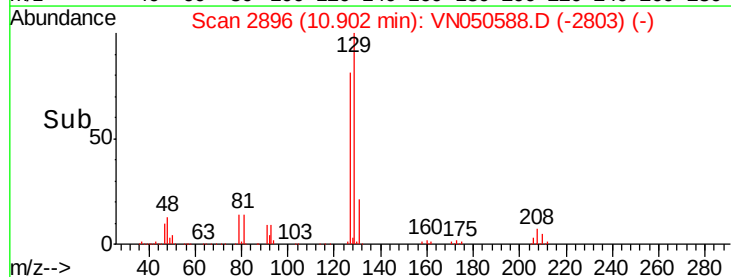
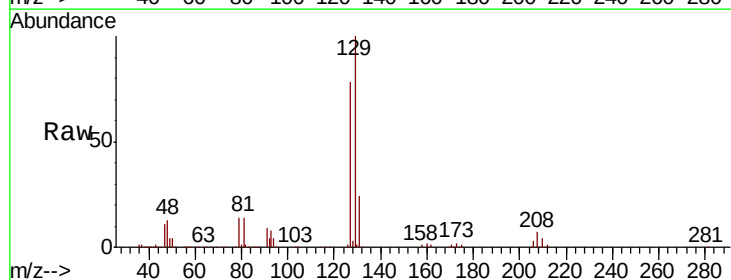
Manual Integrations
APPROVED

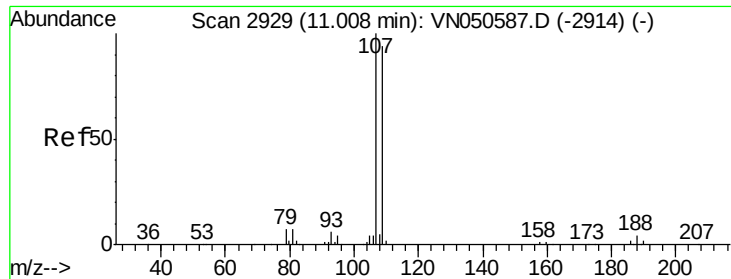
MMDadoda
8/15/2018 3:21:42 PM



#60
Dibromochloromethane
Concen: 99.99 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion: 129 Resp: 855059
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





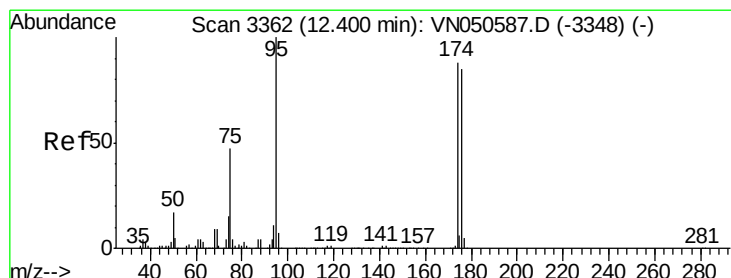
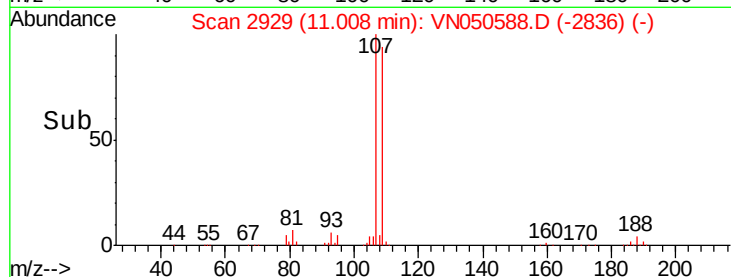
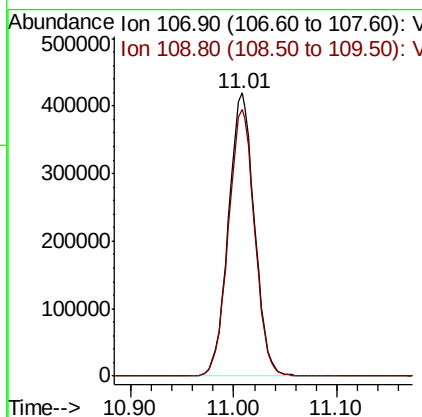
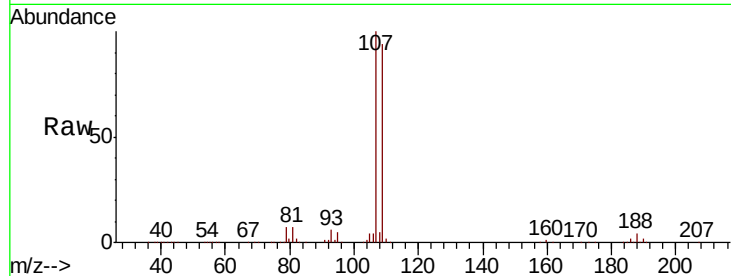
#61
 1,2-Dibromoethane
 Concen: 96.84 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.7	113.5

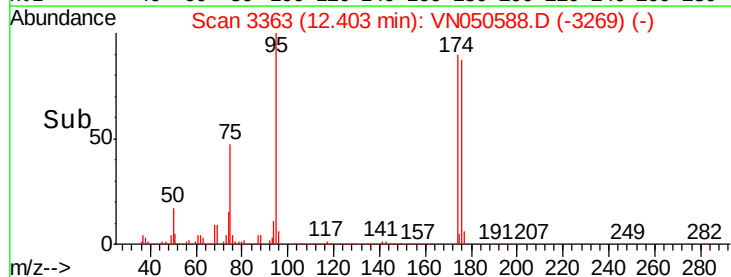
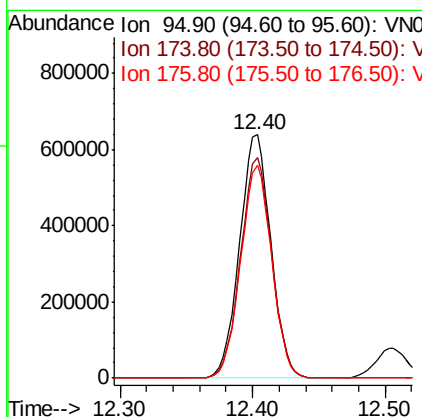
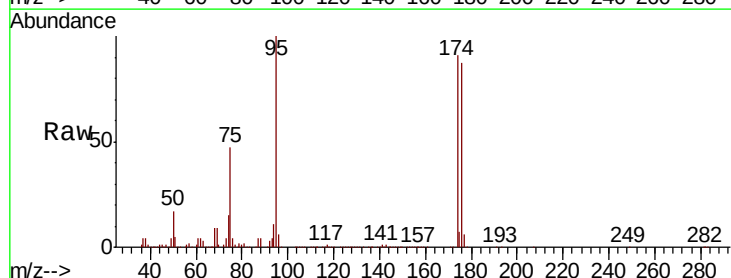
Manual Integrations
 APPROVED

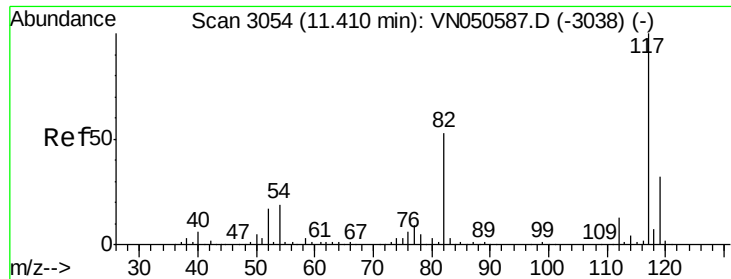
MMDadoda
 8/15/2018 3:21:42 PM



#62
 4-Bromofluorobenzene
 Concen: 103.48 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	177.8
176	86.9	0.0	175.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

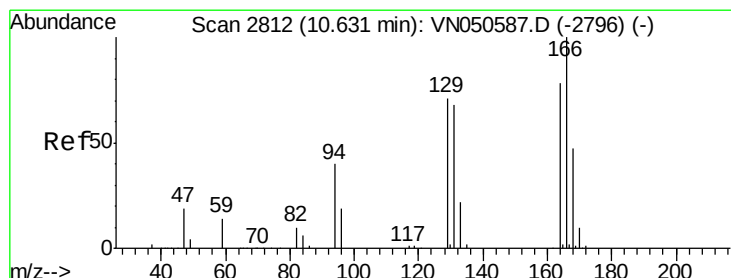
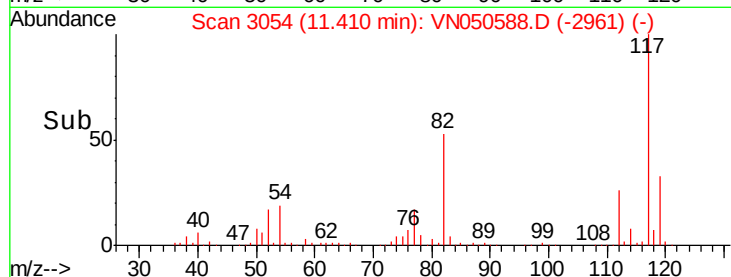
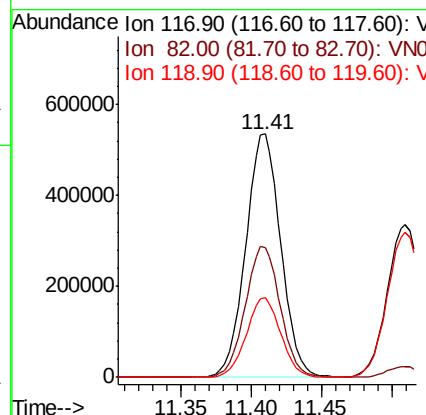
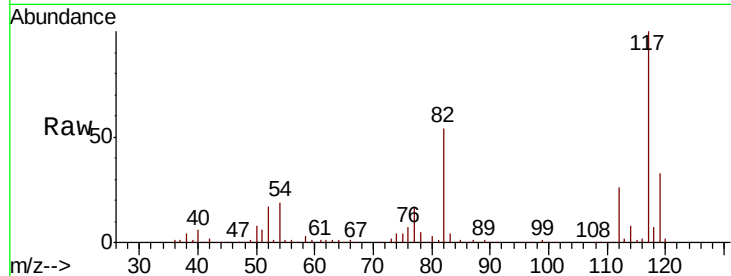
ClientSampleId :

VSTDIC100

Tot Ion:	117	Resp:	929864
Ion Ratio	Lower	Upper	
117	100		
82	53.5	42.4	63.6
119	32.8	25.8	38.8

Manual Integrations
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#64

Tetrachloroethene

Concen: 95.46 ug/l

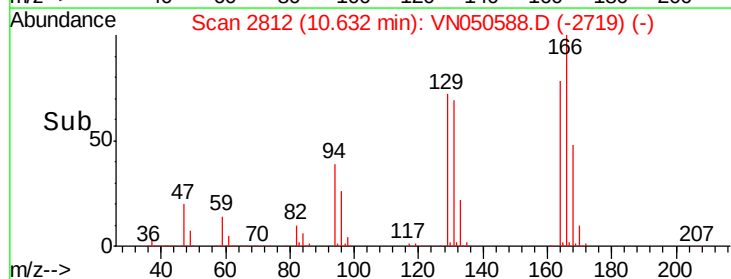
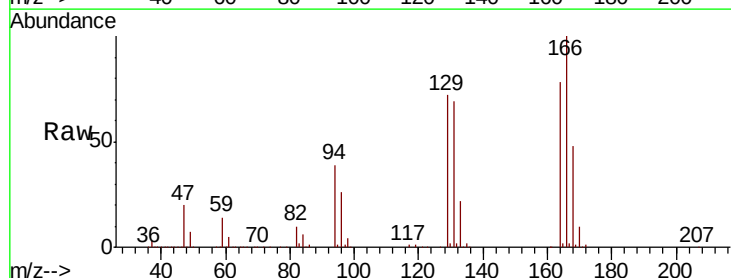
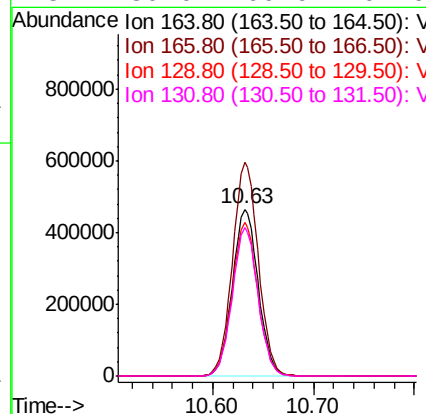
RT: 10.63 min Scan# 2812

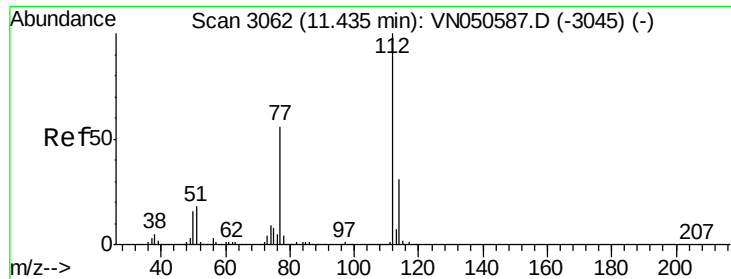
Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Tgt Ion:	164	Resp:	828130
Ion Ratio	Lower	Upper	
164	100		
166	128.3	102.1	153.1
129	92.1	72.7	109.1
131	89.0	69.9	104.9





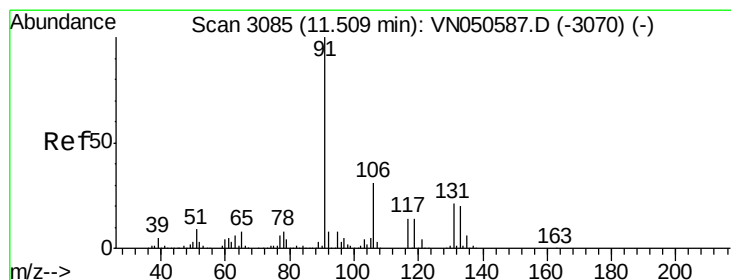
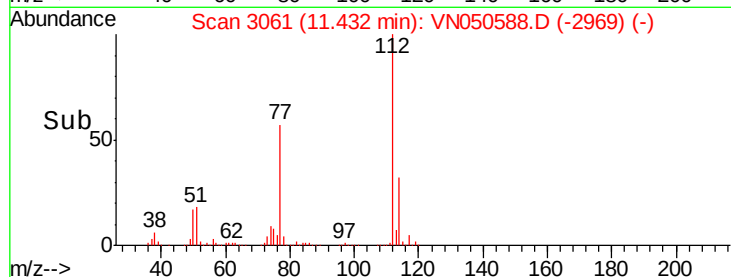
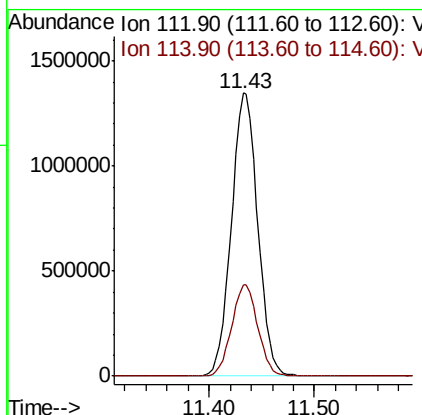
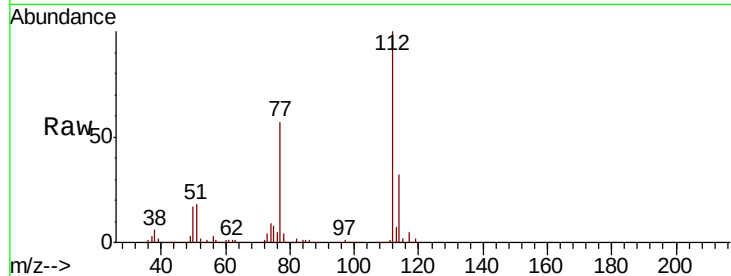
#65
Chlorobenzene
Concen: 99.50 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 2320753
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8

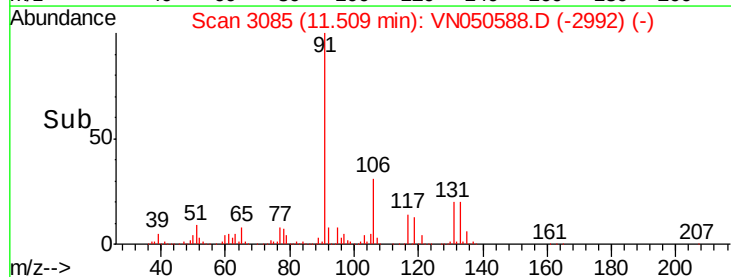
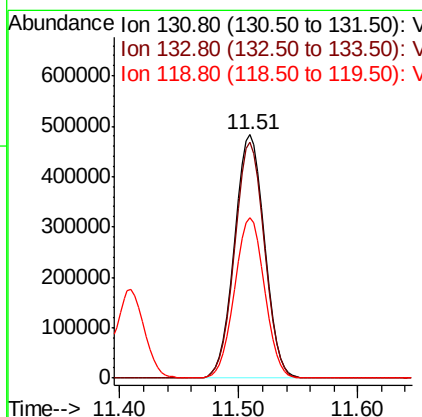
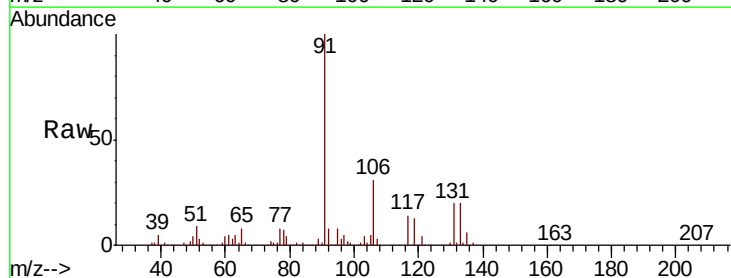
Manual Integrations
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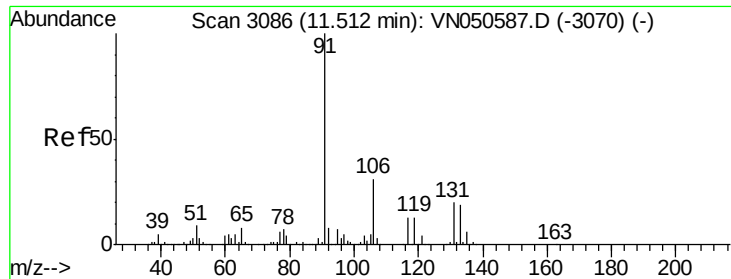
MMDadoda
8/15/2018 3:21:42 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 99.53 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion:131 Resp: 846880
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.9
119 65.8 33.1 99.3





#67

Ethyl Benzene

Concen: 107.33 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 4047102

Ion Ratio Lower Upper

91 100

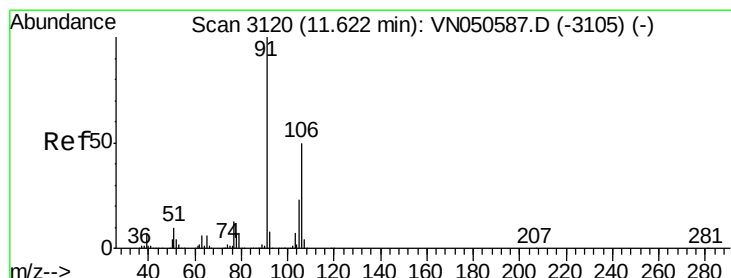
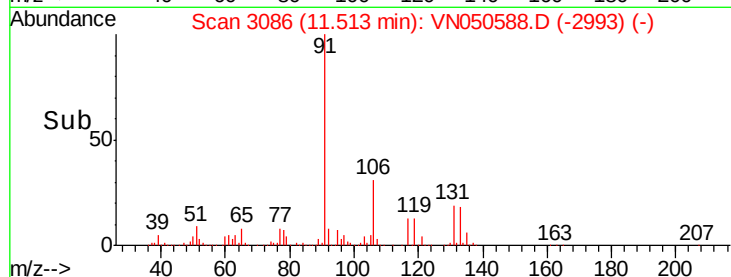
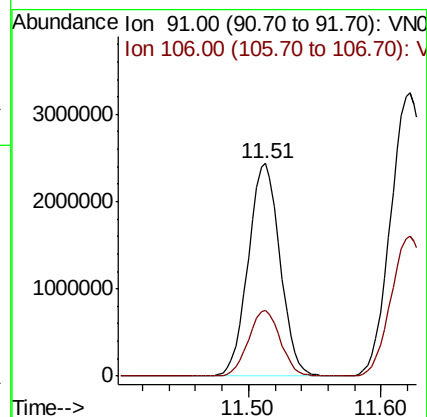
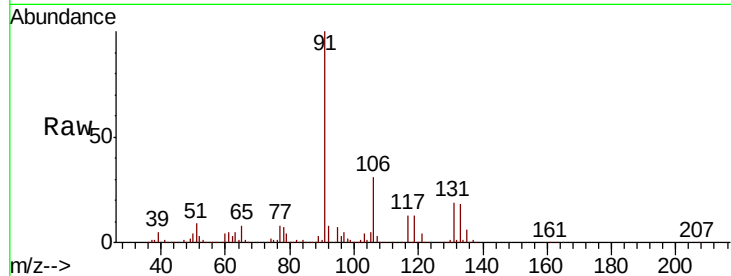
106 31.1 24.8 37.2

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 215.46 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050588.D

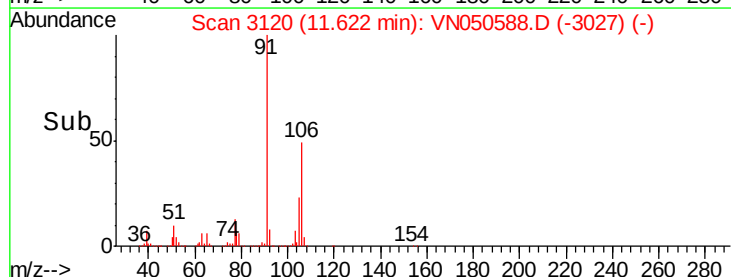
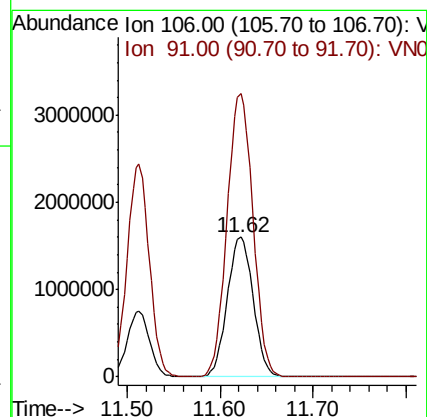
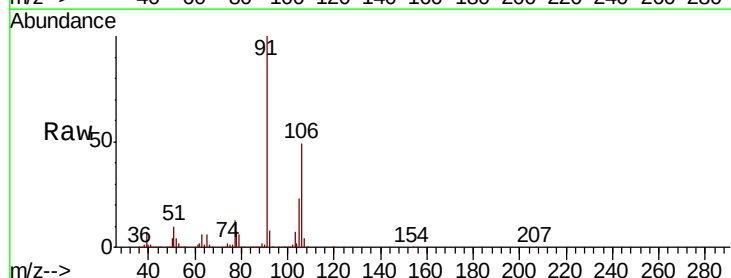
Acq: 14 Aug 2018 1:24

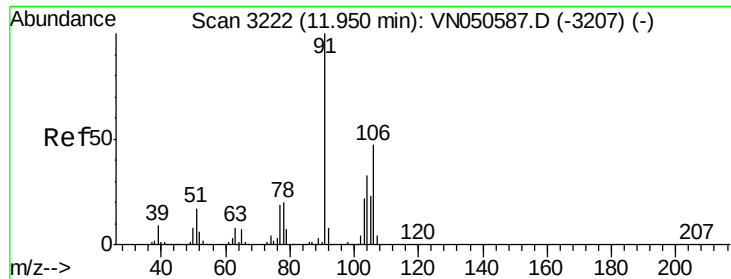
Tgt Ion: 106 Resp: 3094891

Ion Ratio Lower Upper

106 100

91 203.1 161.5 242.3





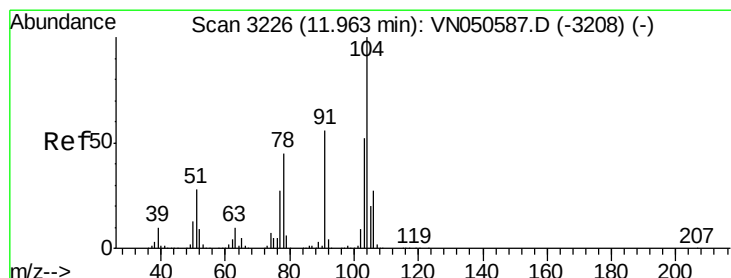
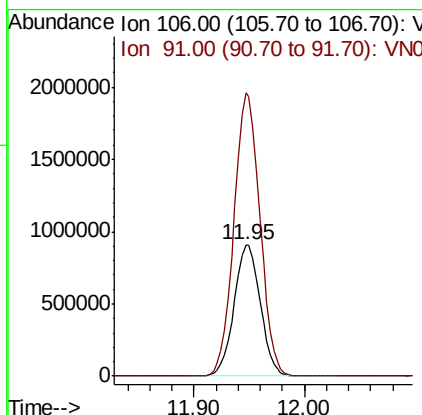
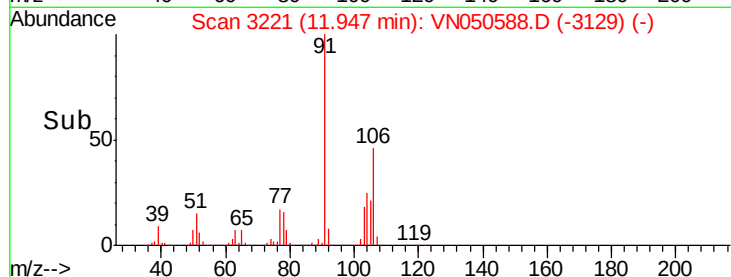
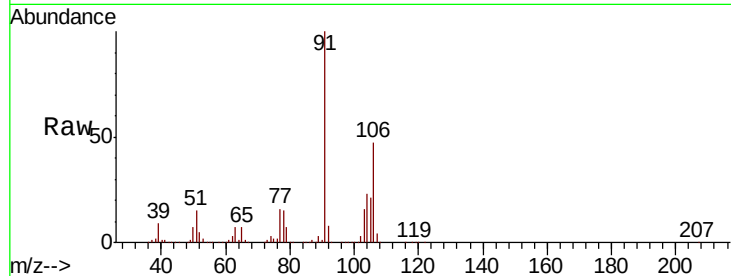
#69
o-Xylene
Concen: 108.48 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 1498306
Ion Ratio Lower Upper
106 100
91 213.5 106.8 320.4

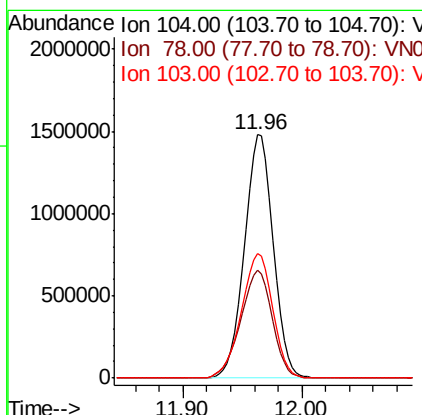
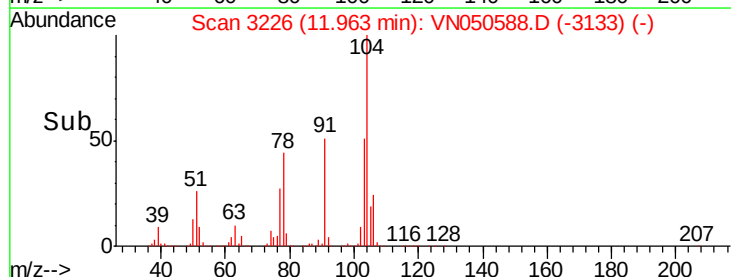
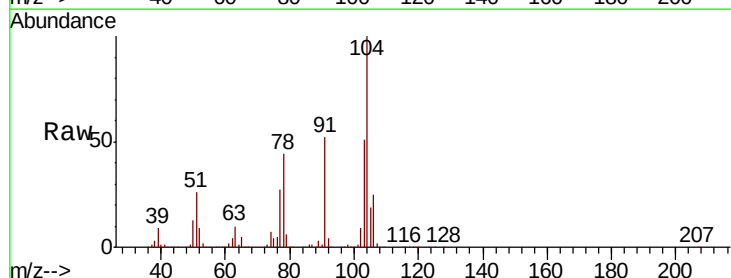
Manual Integrations
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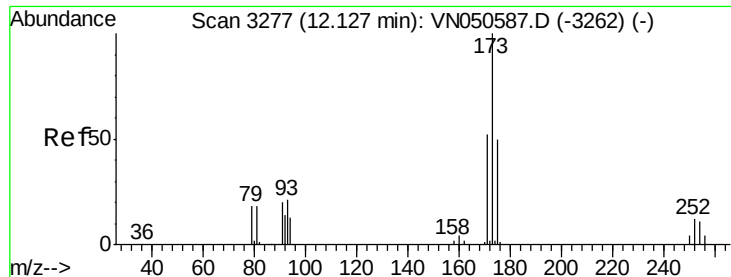
MMDadoda
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#70
Styrene
Concen: 110.86 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion:104 Resp: 2483146
Ion Ratio Lower Upper
104 100
78 48.6 39.1 58.7
103 55.8 44.9 67.3





#71

Bromoform

Concen: 97.15 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 593140

Ion Ratio Lower Upper

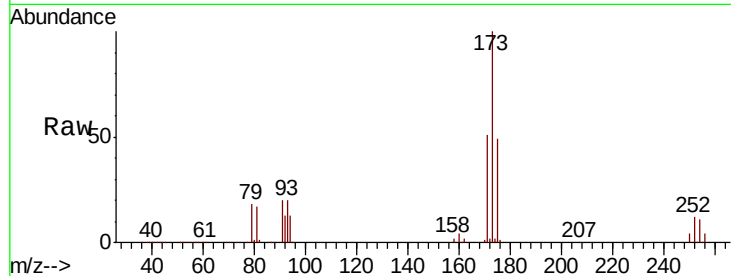
173 100

175 48.6 24.4 73.2

254 0.2 0.0 0.0#

Manual Integrations
APPROVED

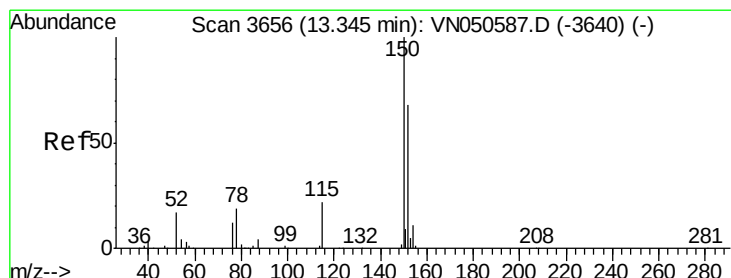
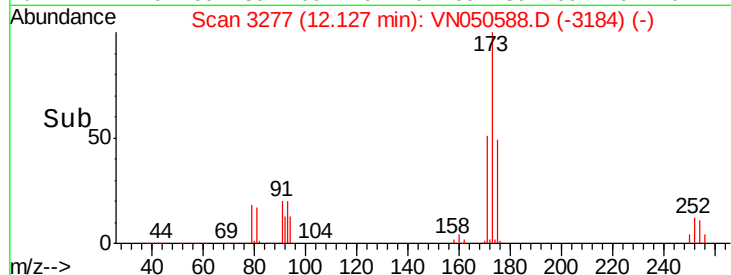
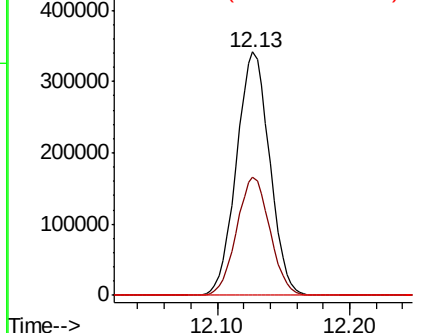
MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN050588.D

Acq: 14 Aug 2018 1:24

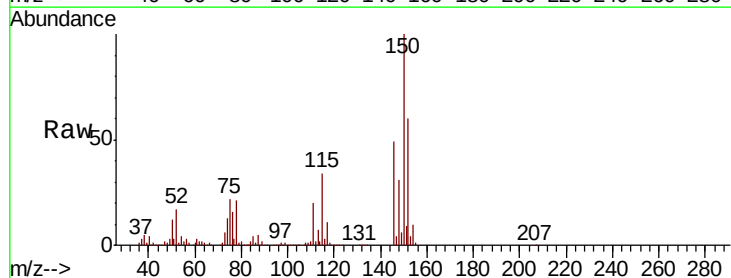
Tgt Ion:152 Resp: 496968

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

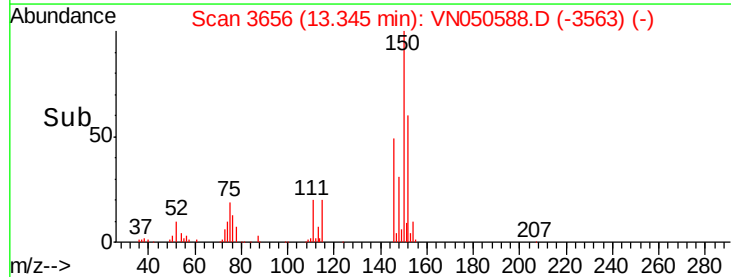
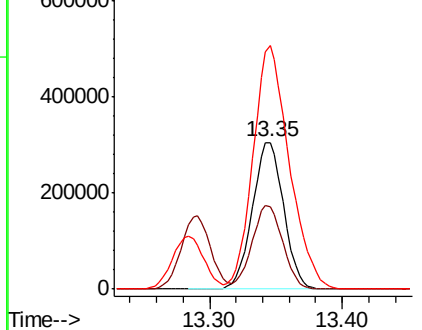
150 193.4 0.0 347.8

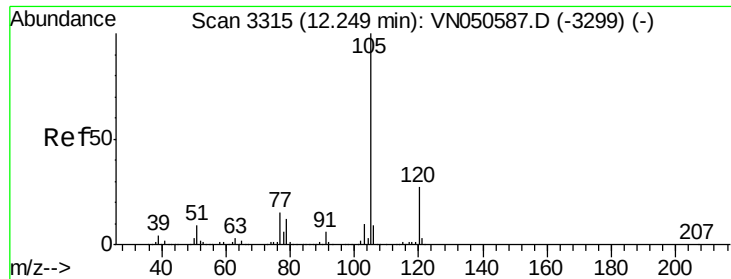


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





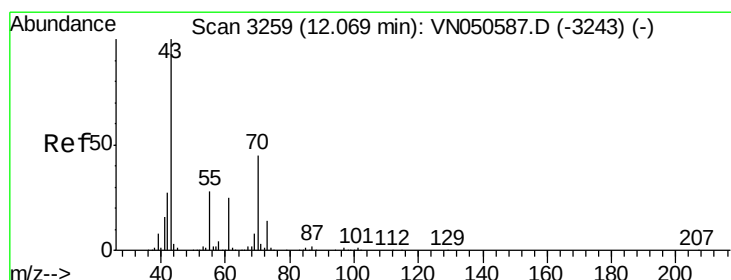
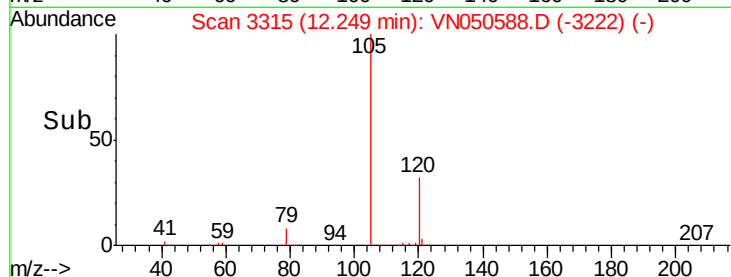
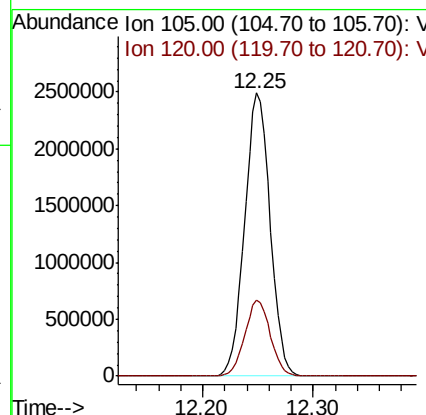
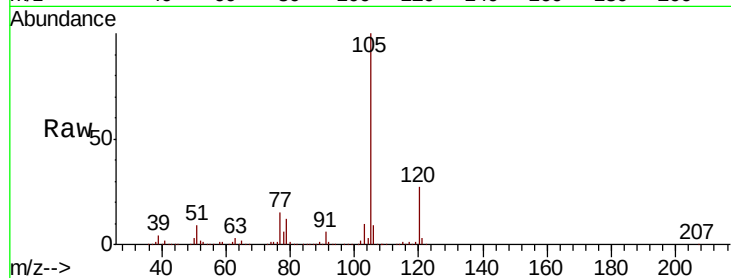
#73
Isopropylbenzene
Concen: 105.48 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:105 Resp: 3963289
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.1

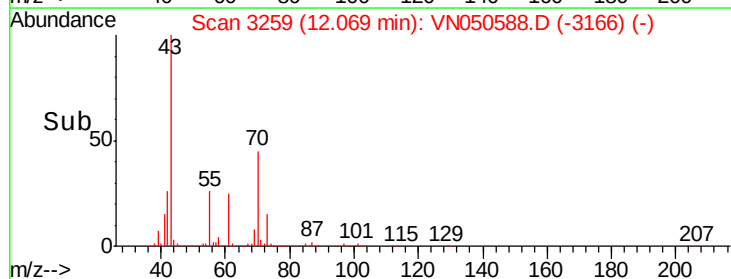
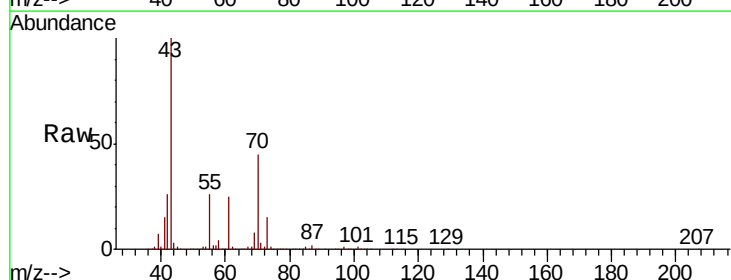
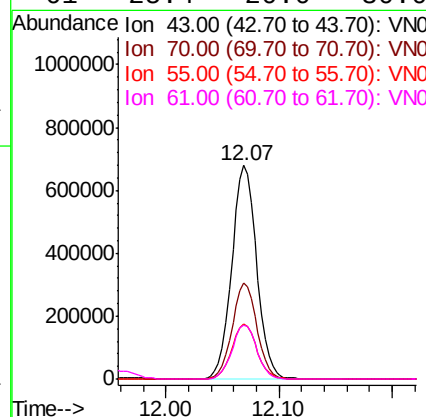
Manual Integrations
APPROVED

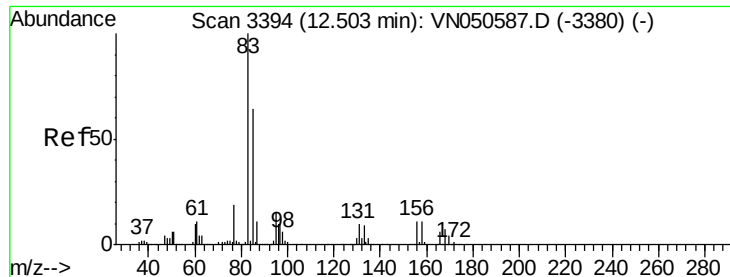
MMDadoda
8/15/2018 3:21:42 PM



#74
N-ethyl acetate
Concen: 88.20 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion: 43 Resp: 1036431
Ion Ratio Lower Upper
43 100
70 44.7 35.9 53.9
55 26.2 22.2 33.4
61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 84.59 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

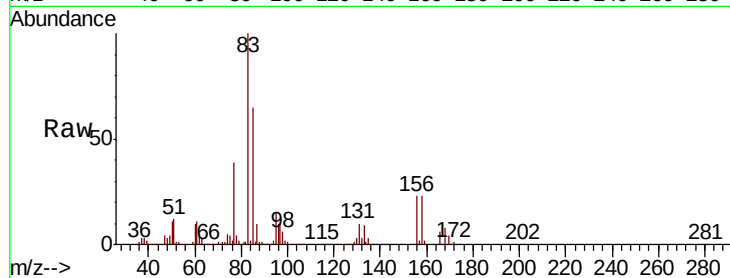
ClientSampled :

VSTDIC100

Tot Ion:	83	Resp:	897256
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	65.1	32.1	96.5

Manual Integrations
APPROVED

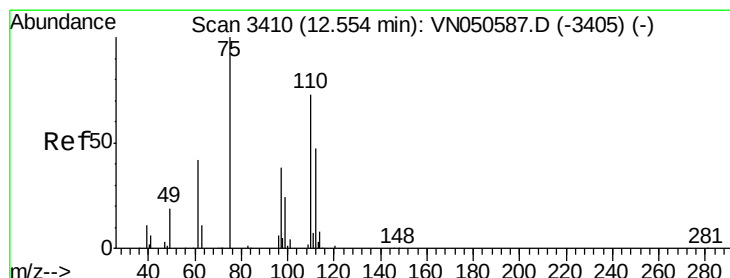
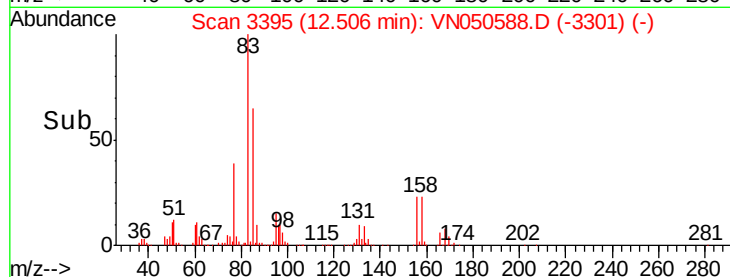
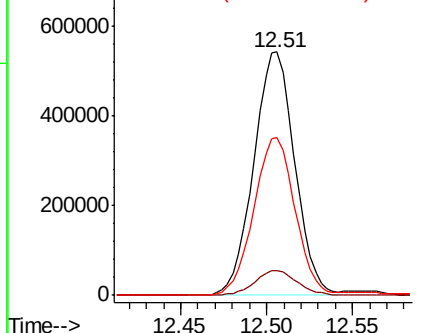
MMDadoda
8/15/2018 3:21:42 PM



Abundance Ion 82.90 (82.60 to 83.60): VN050588.D (-3394) (-)

Ion 130.80 (130.50 to 131.50): VN050588.D (-3394) (-)

Ion 84.90 (84.60 to 85.60): VN050588.D (-3394) (-)



#76

1,2,3-Trichloropropane

Concen: 90.03 ug/l m

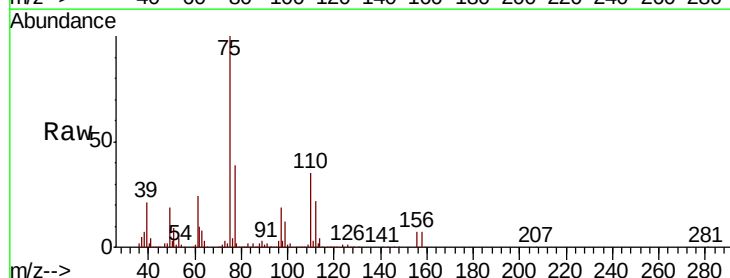
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050588.D

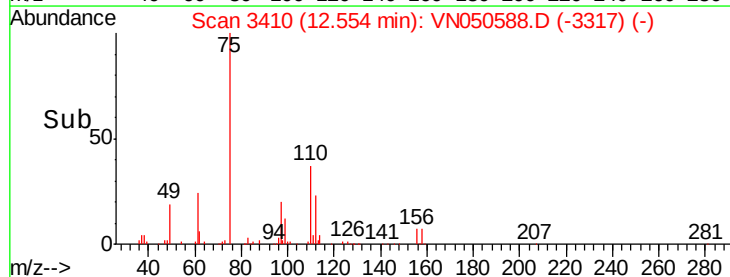
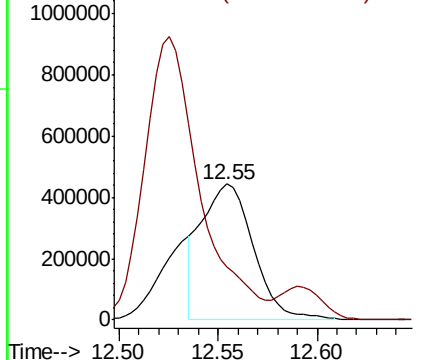
Acq: 14 Aug 2018 1:24

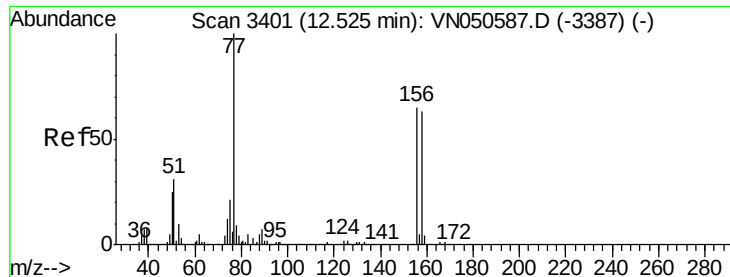
Tgt Ion:	75	Resp:	808533
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050588.D (-3410) (-)

Ion 77.00 (76.70 to 77.70): VN050588.D (-3410) (-)





#77

Bromobenzene

Concen: 100.39 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 1009227

Ion Ratio Lower Upper

156 100

77 177.9 89.0 267.1

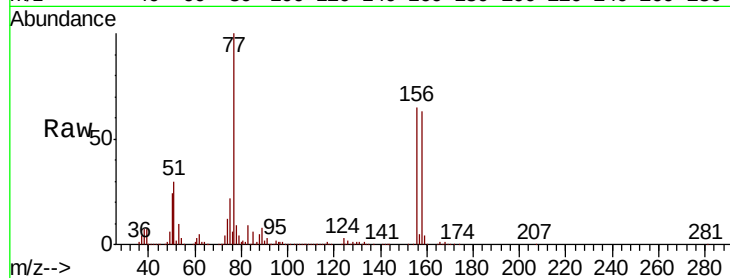
158 97.8 48.5 145.6

Manual Integrations

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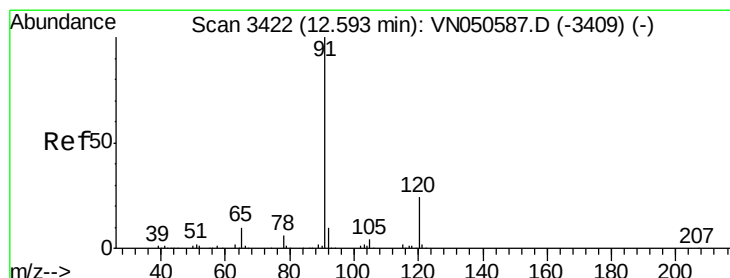
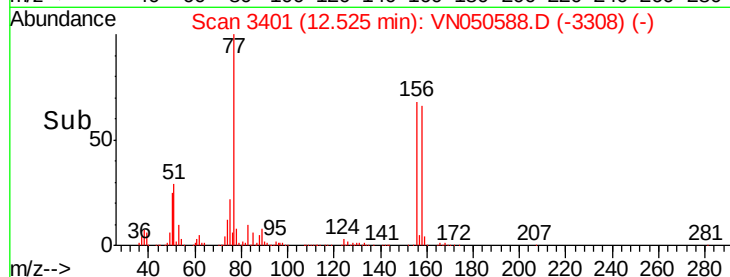
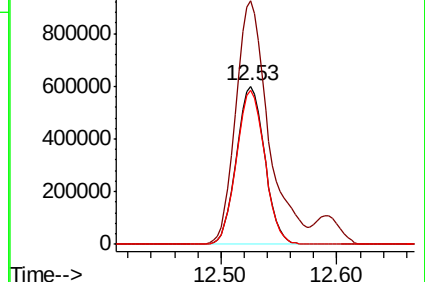
8/15/2018 3:21:42 PM



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: 106.58 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050588.D

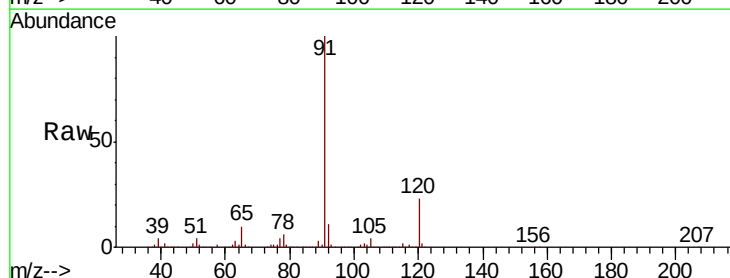
Acq: 14 Aug 2018 1:24

Tgt Ion: 91 Resp: 4528598

Ion Ratio Lower Upper

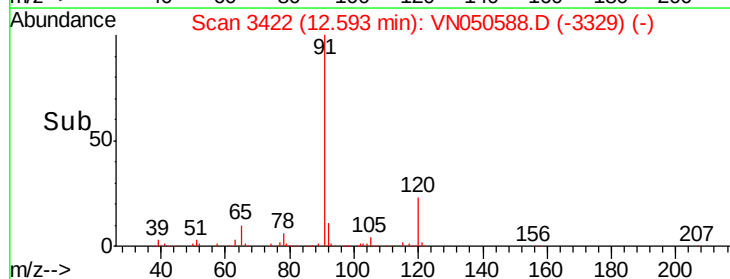
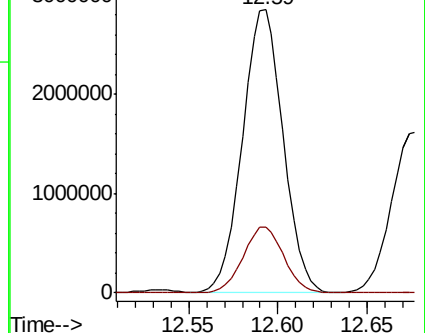
91 100

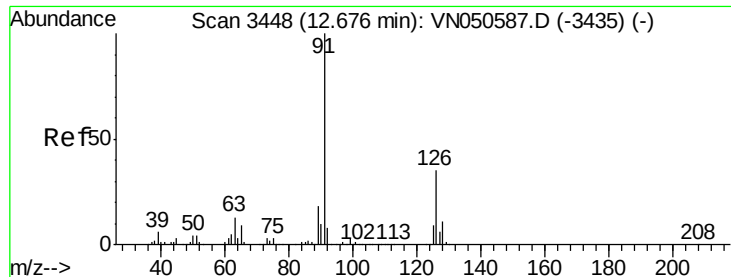
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 101.84 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 2674457

Ion Ratio Lower Upper

91 100

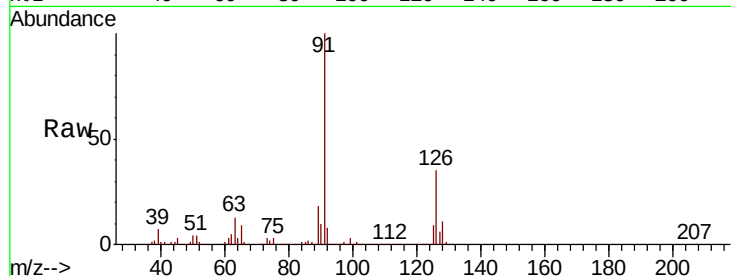
126 35.5 17.6 52.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN050588.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050588.D (-3435) (-)

2500000

2000000

1500000

1000000

500000

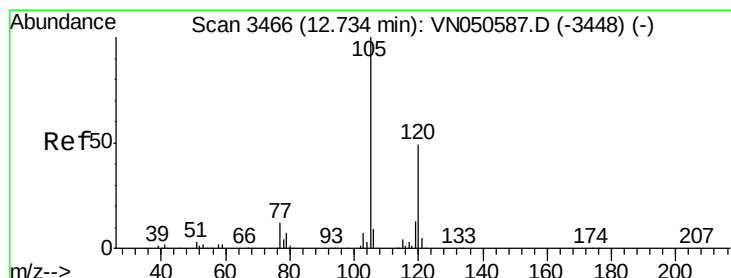
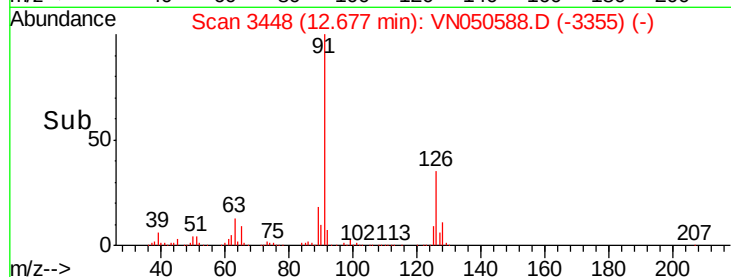
0

12.68

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 106.44 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050588.D

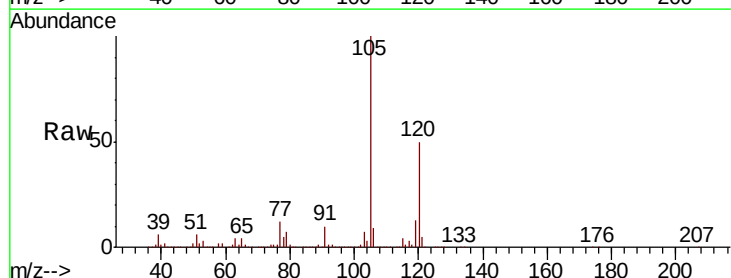
Acq: 14 Aug 2018 1:24

Tgt Ion:105 Resp: 3239718

Ion Ratio Lower Upper

105 100

120 49.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN050588.D (-3448) (-)

Ion 120.00 (119.70 to 120.70): VN050588.D (-3448) (-)

2000000

1500000

1000000

500000

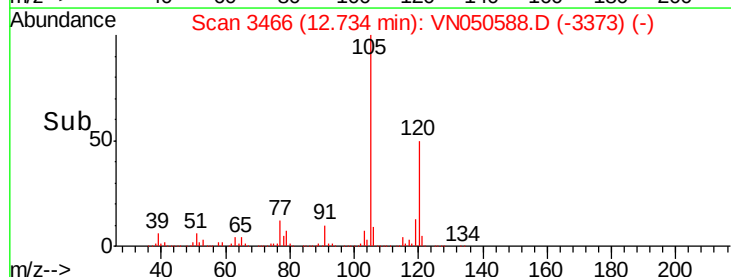
0

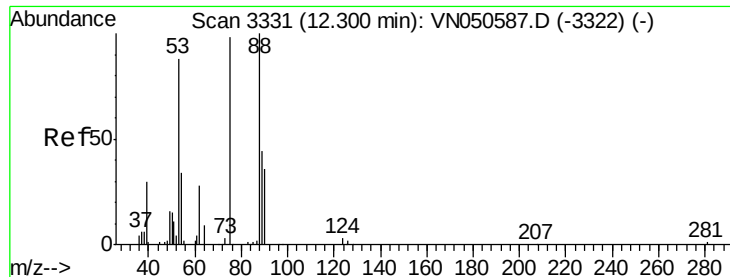
12.73

12.70

12.80

Time-->





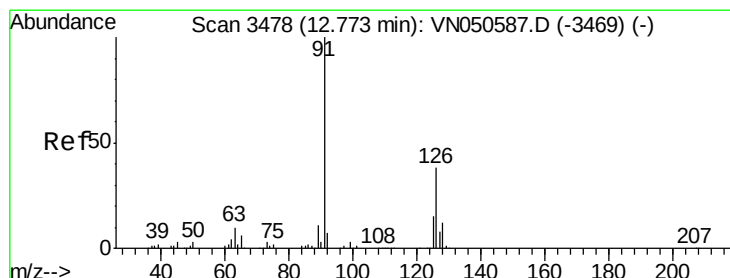
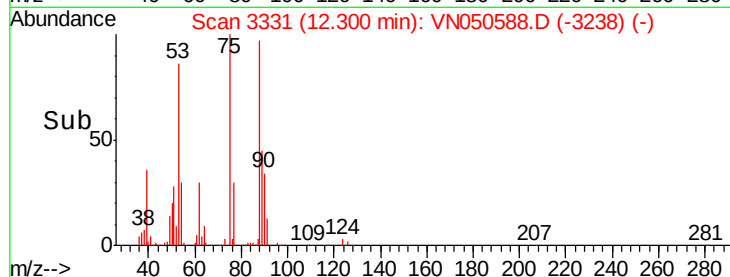
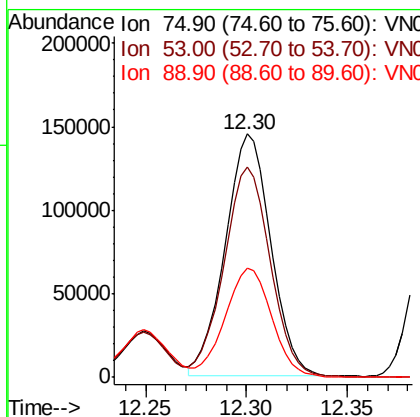
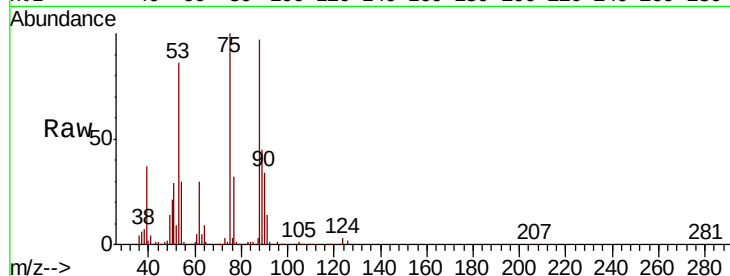
#81
trans-1,4-Dichloro-2-butene
Concen: 92.46 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.2	72.2	108.2
89	46.2	36.3	54.5

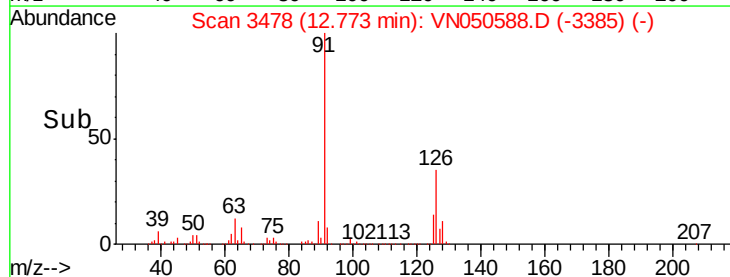
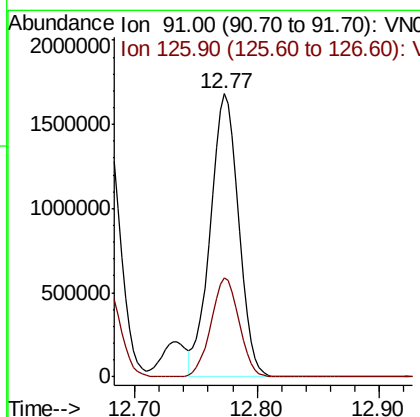
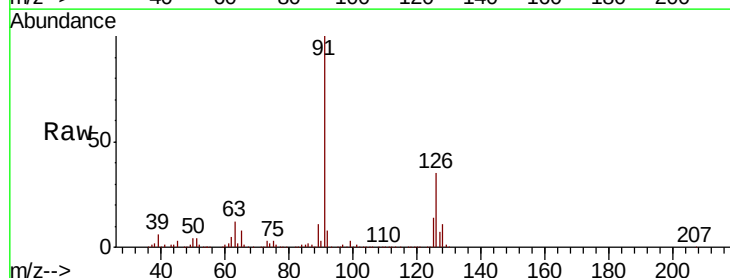
Manual Integrations
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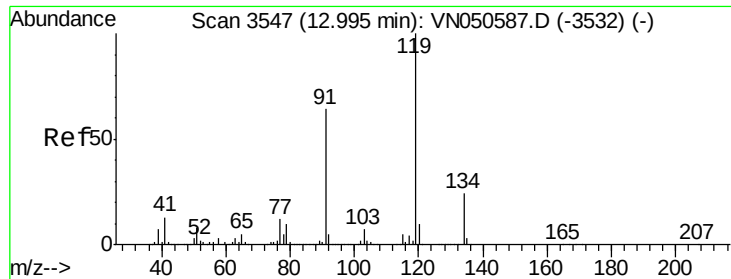
MMDadoda
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#82
4-Chlorotoluene
Concen: 104.73 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0





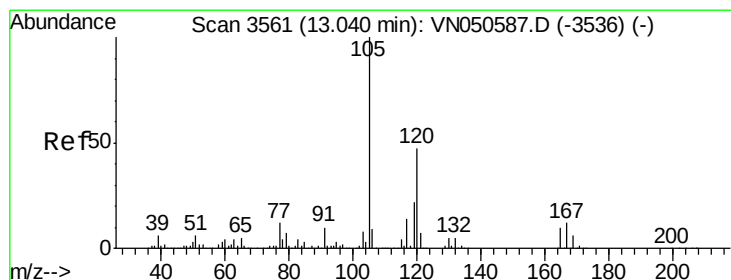
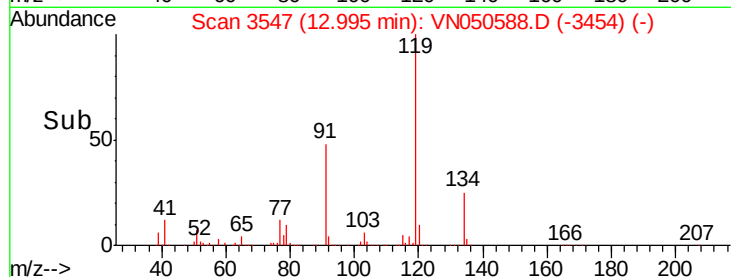
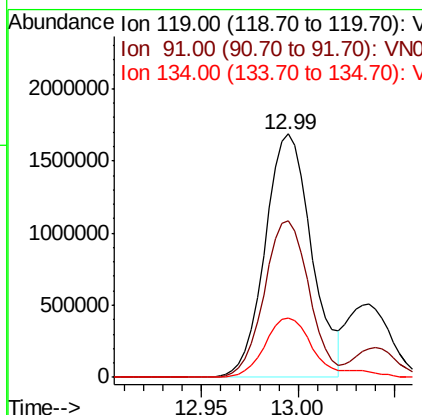
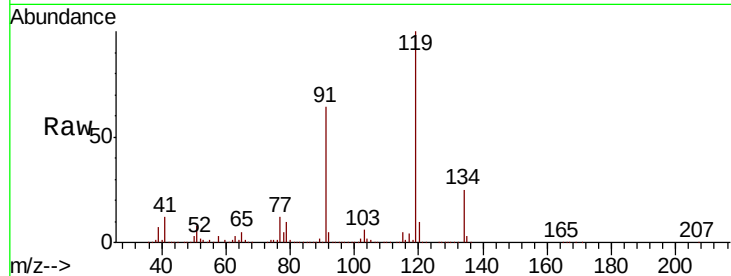
#83
 tert-Butylbenzene
 Concen: 106.29 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:119 Resp: 2814820
 Ion Ratio Lower Upper
 119 100
 91 62.2 32.2 96.6
 134 26.3 13.4 40.2

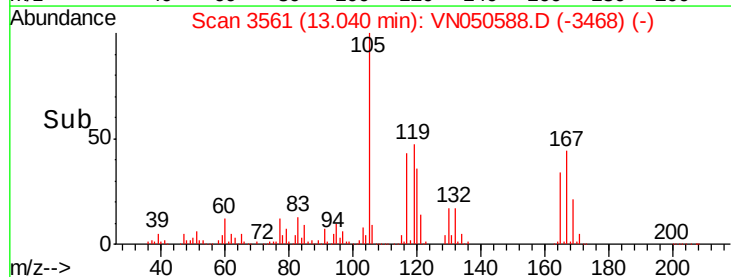
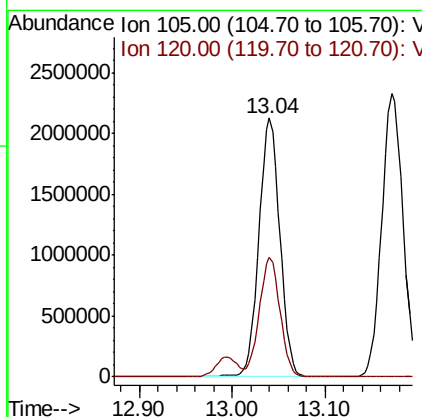
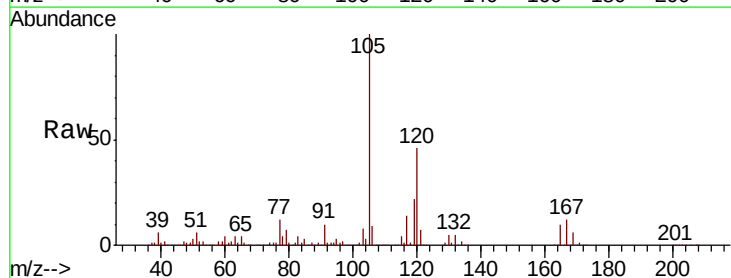
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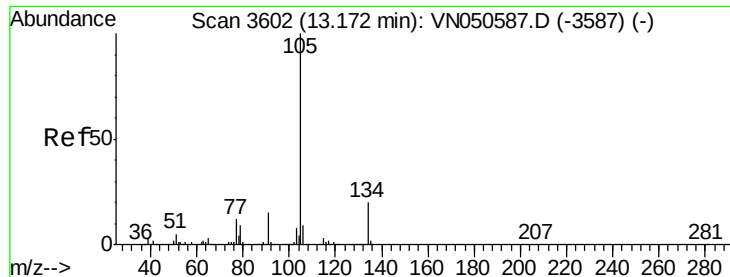
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#84
 1,2,4-Trimethylbenzene
 Concen: 107.90 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion:105 Resp: 3325036
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.2 69.5





#85

sec-Butylbenzene

Concen: 104.25 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 3687248

Ion Ratio Lower Upper

105 100

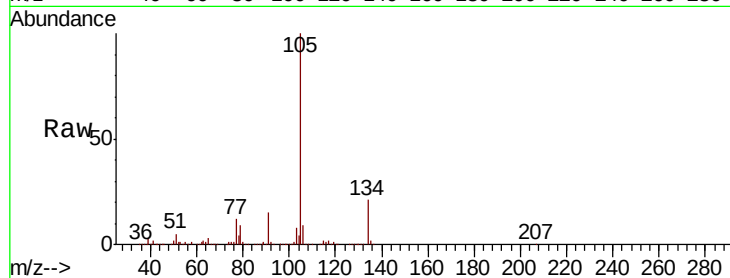
134 20.5 10.1 30.3

Manual Integrations

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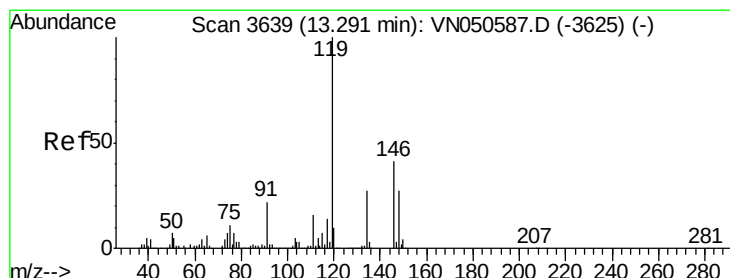
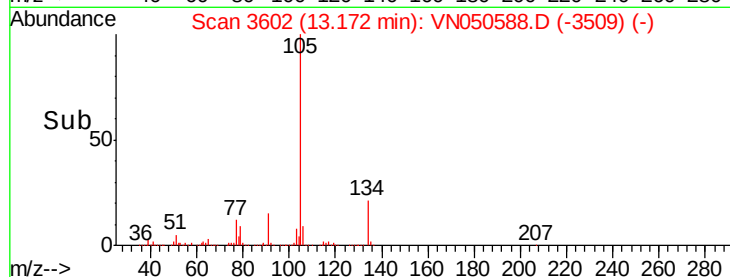
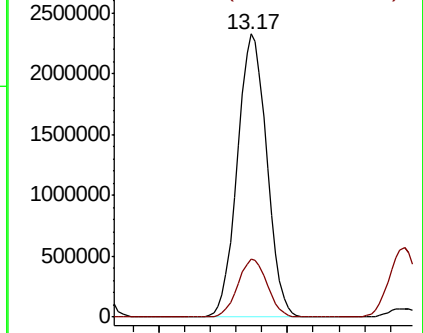
MMDadoda

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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: 107.78 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

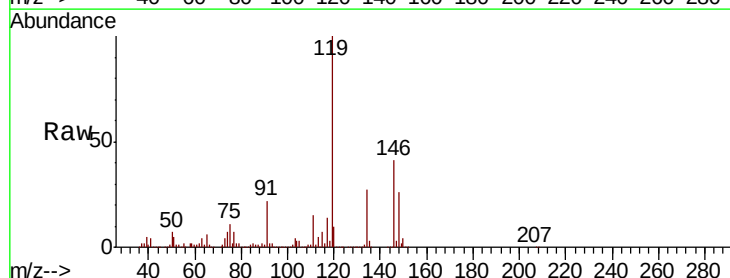
Tgt Ion:119 Resp: 3262447

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

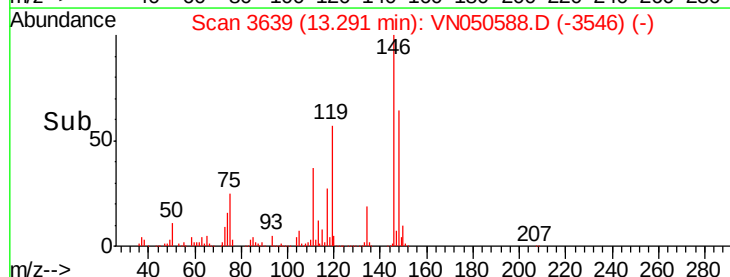
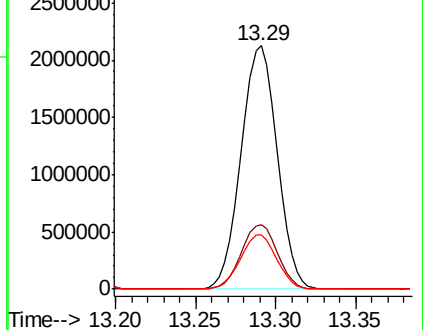
91 22.3 11.2 33.6

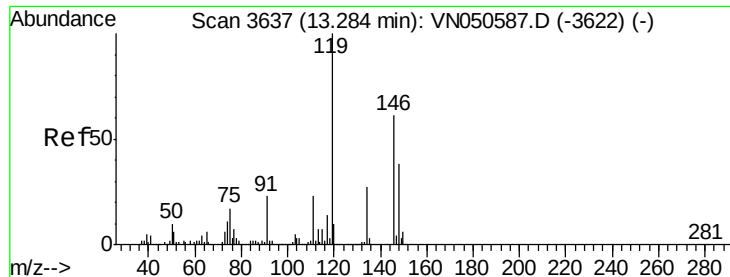


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





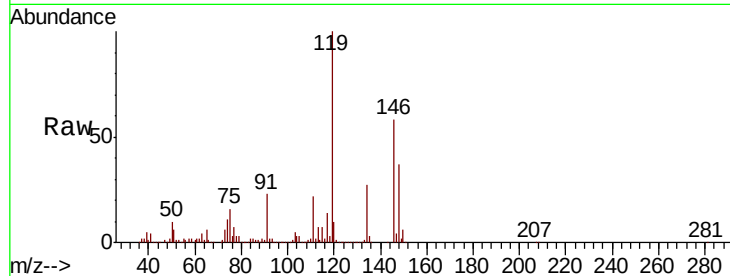
#87
 1,3-Dichlorobenzene
 Concen: 100.18 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.2	57.6
148	63.8	31.9	95.7

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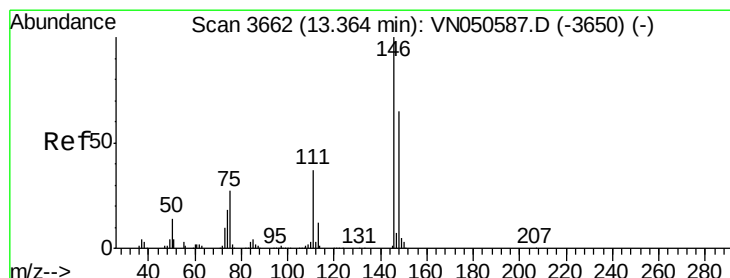
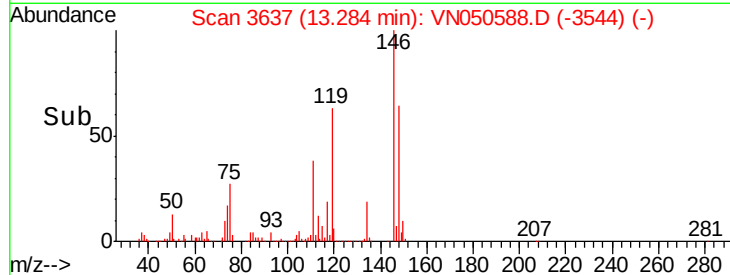
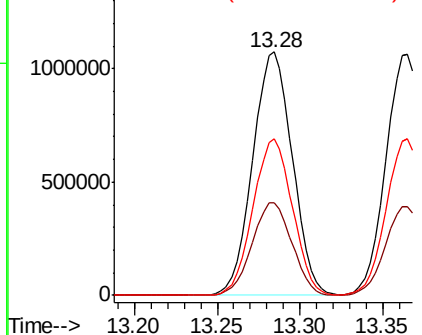


Abundance

Ion 145.90 (145.60 to 146.60): V

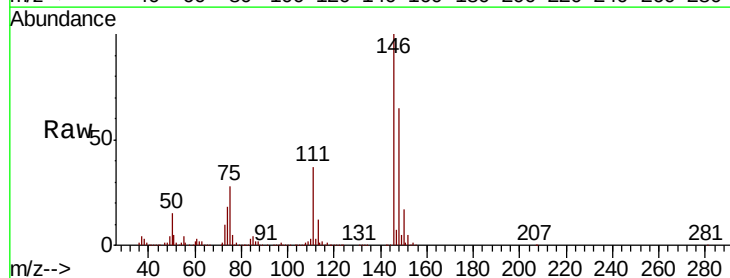
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 98.25 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.4
148	64.3	32.3	96.8

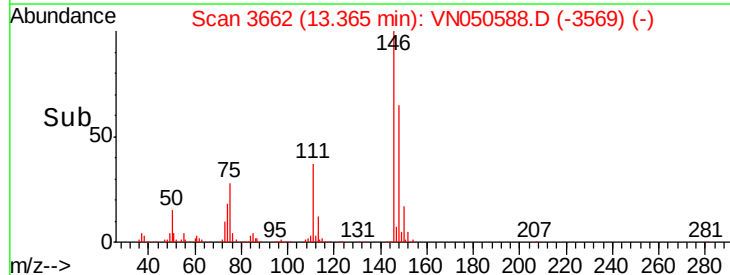
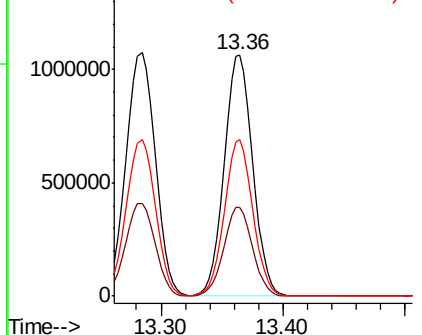


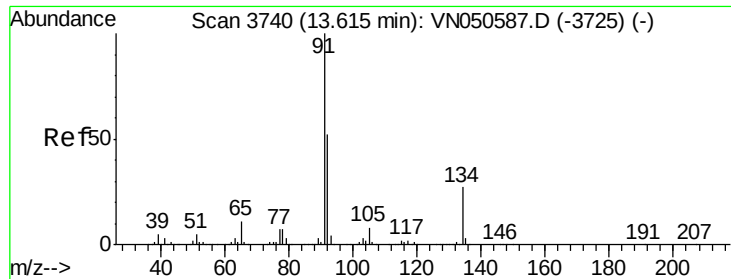
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





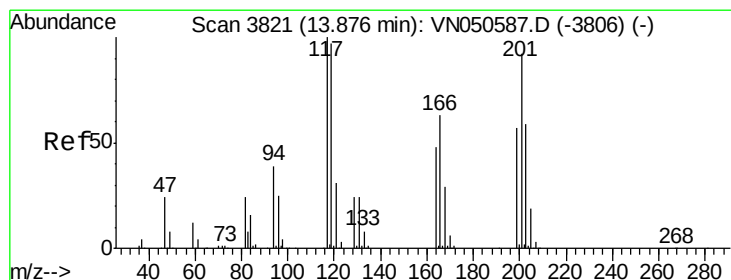
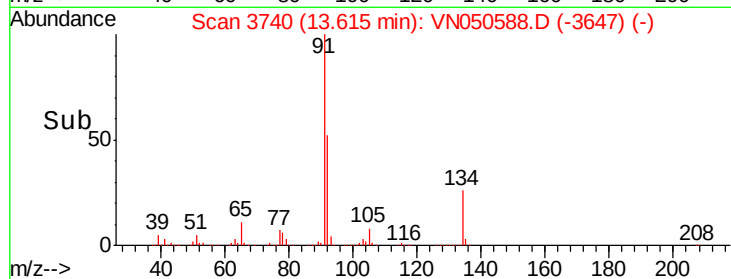
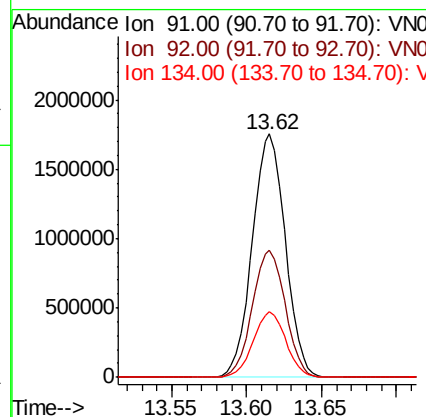
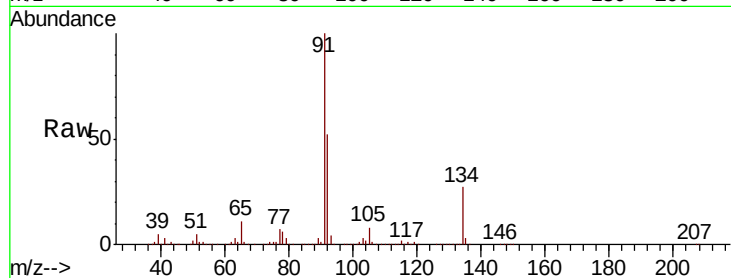
#89
n-Butylbenzene
Concen: 105.24 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.8
134	26.6	13.3	39.9

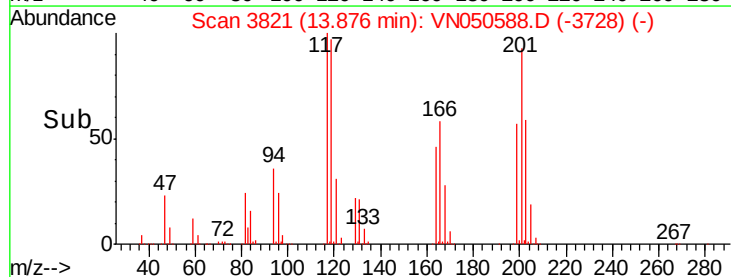
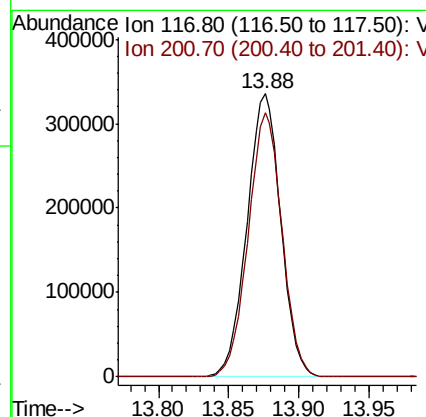
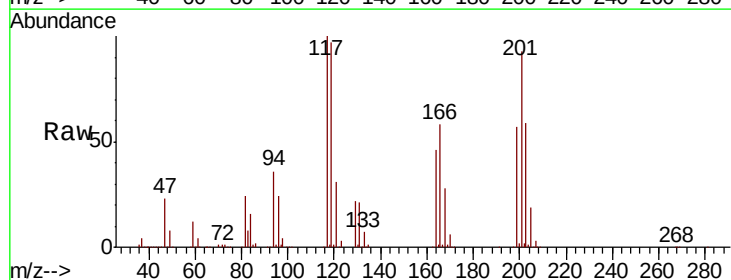
Manual Integrations
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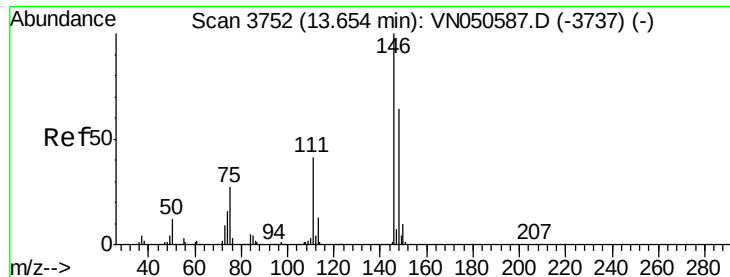
MMDadoda
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#90
Hexachloroethane
Concen: 103.78 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.1	45.5	136.5





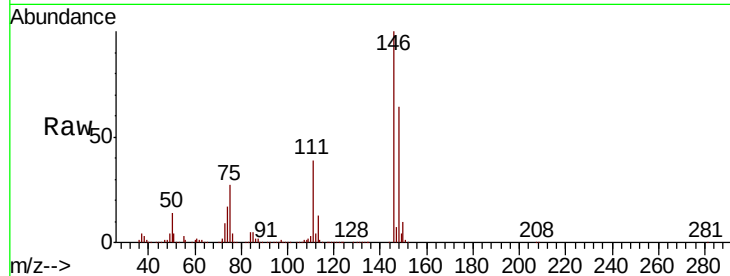
#91
 1,2-Dichlorobenzene
 Concen: 94.90 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.4
148	64.2	32.3	96.8

Manual Integrations
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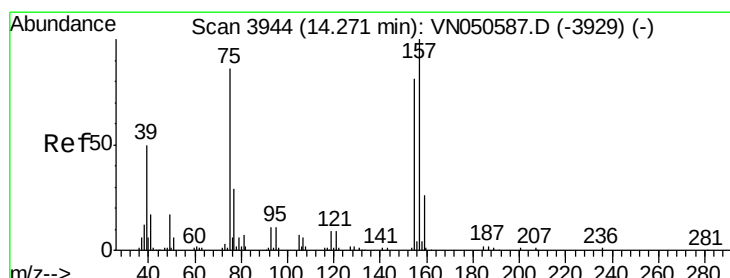
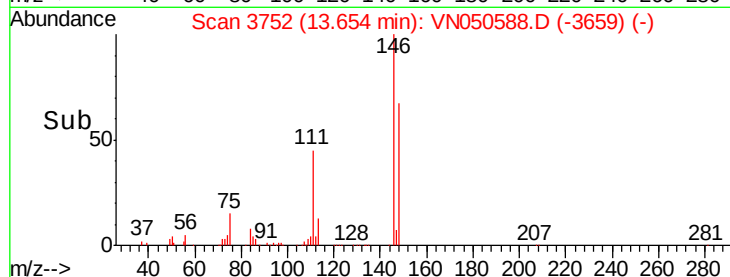
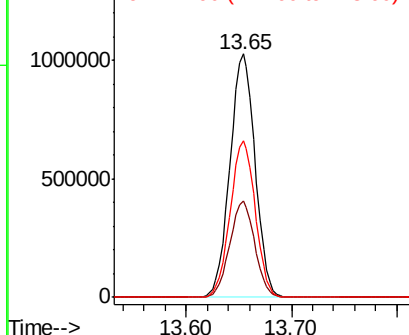


Abundance

Ion 145.90 (145.60 to 146.60): V

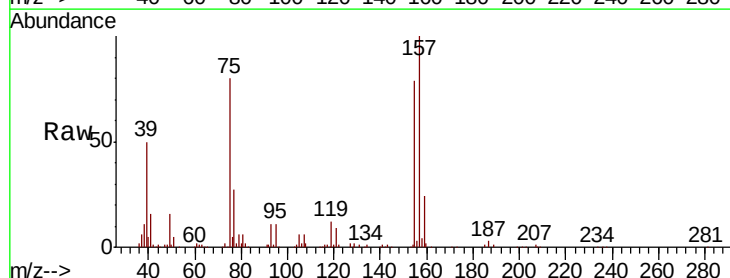
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 74.04 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.5	46.6	139.8
157	122.0	58.1	174.2

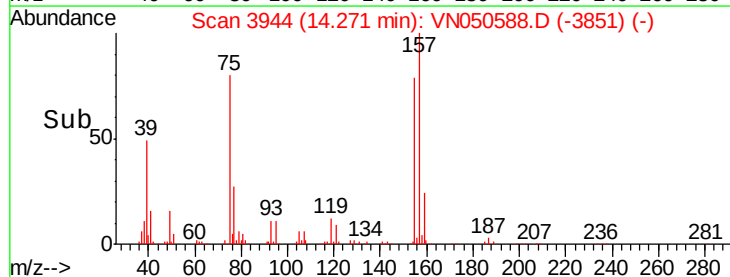
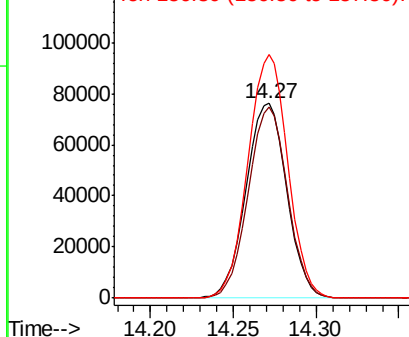


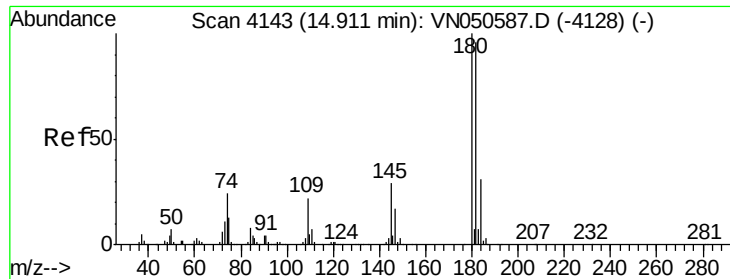
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





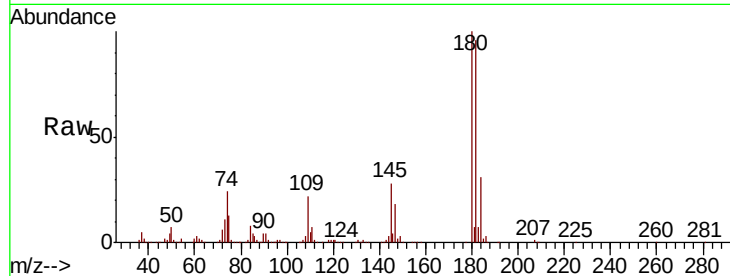
#93
 1,2,4-Trichlorobenzene
 Concen: 104.48 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	934804		
182	95.8	47.9	143.7	
145	28.3	14.4	43.4	

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:21:42 PM

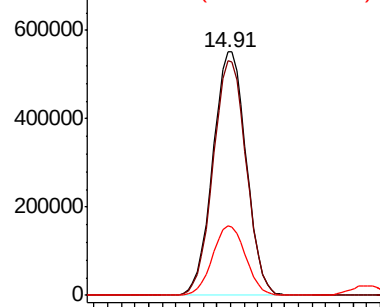


Abundance

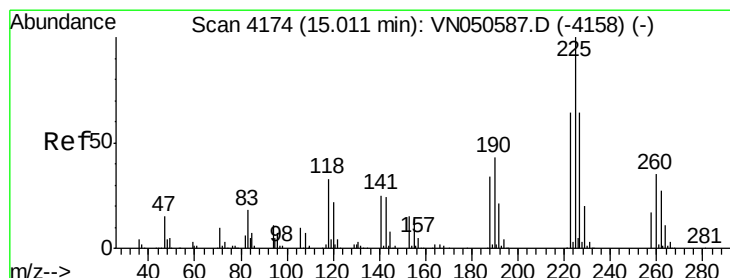
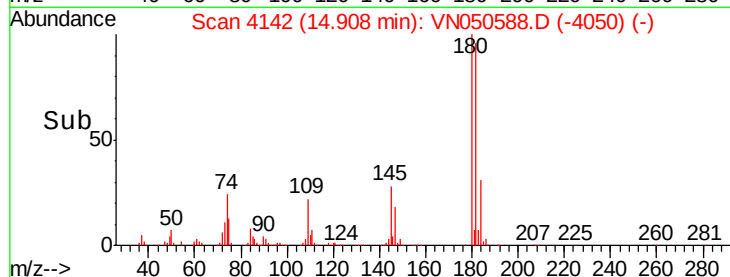
Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

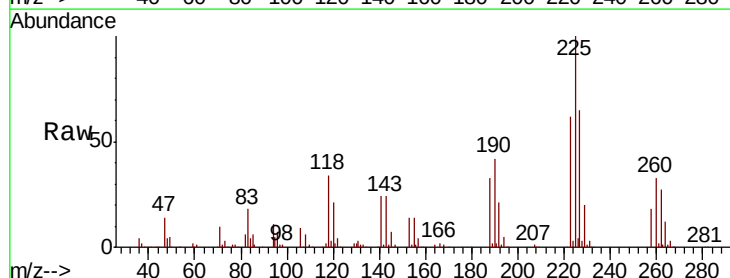


Time-->



#94
 Hexachlorobutadiene
 Concen: 75.87 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	494557		
223	62.1	32.1	96.3	
227	64.7	32.0	96.2	

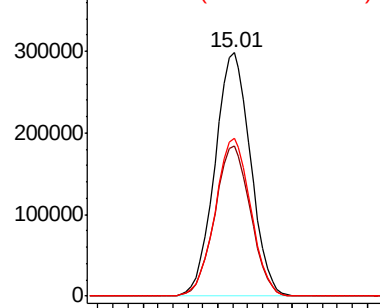


Abundance

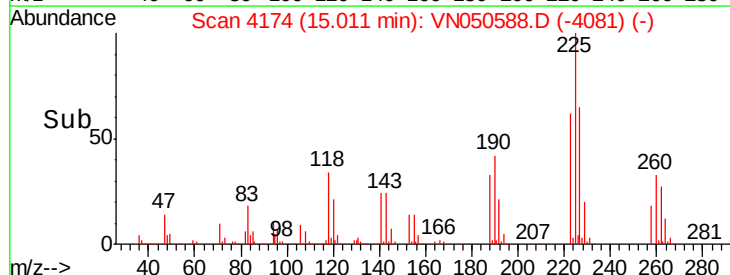
Ion 224.70 (224.40 to 225.40): V

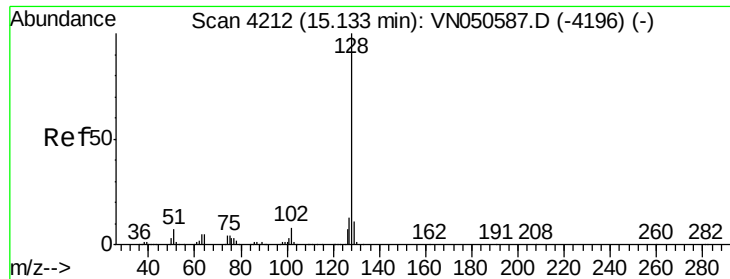
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->





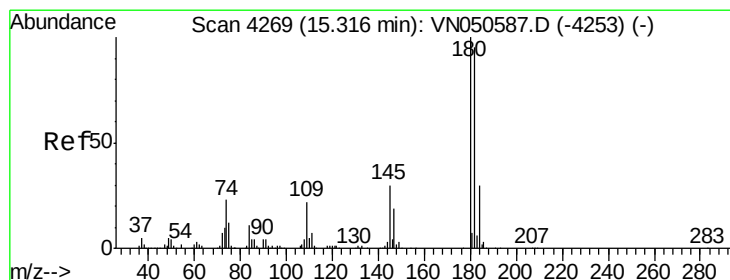
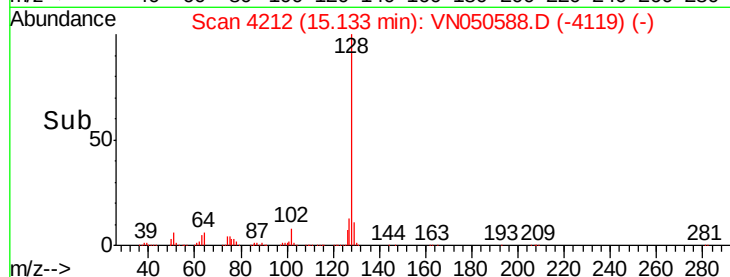
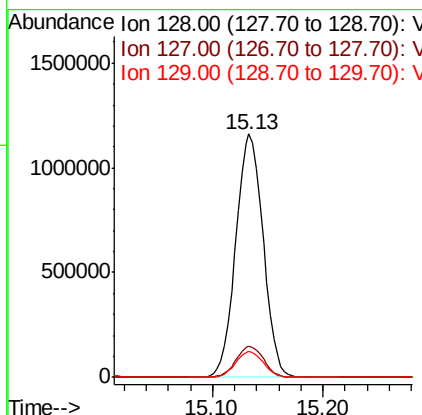
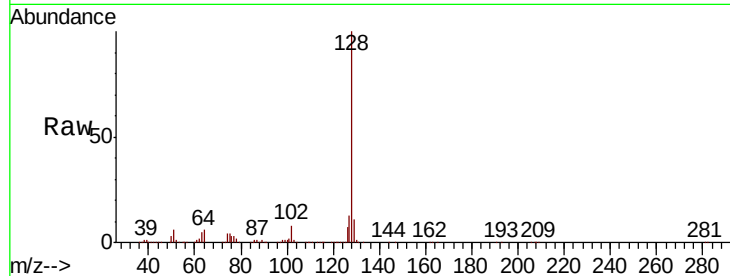
#95
Naphthalene
Concen: 98.57 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.5	12.7

Manual Integrations
APPROVED

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8/15/2018 3:21:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 95.78 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.8
145	29.8	14.6	44.0

