

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050789.D
 Acq On : 21 Aug 2018 18:30
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:19:15 AM

Quant Time: Aug 22 06:56:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	645458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	896444	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	837606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	427522	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	383336	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
35) Dibromofluoromethane	7.59	113	364356	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	10.09	98	1384364	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.40	95	453074	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	480944	55.68	ug/l	100
3) Chloromethane	2.06	50	524172	49.20	ug/l	99
4) Vinyl Chloride	2.18	62	512980	50.83	ug/l	99
5) Bromomethane	2.56	94	275641	48.01	ug/l	99
6) Chloroethane	2.70	64	291821	50.04	ug/l	99
7) Trichlorofluoromethane	3.01	101	660384	51.10	ug/l	100
8) Diethyl Ether	3.41	74	225319	51.27	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	407861	50.51	ug/l	100
10) Methyl Iodide	3.95	142	346649	49.06	ug/l	98
11) Tert butyl alcohol	4.79	59	122835	248.25	ug/l	99
12) 1,1-Dichloroethene	3.74	96	370809	51.15	ug/l	100
13) Acrolein	3.61	56	63919	223.28	ug/l	100
14) Allyl chloride	4.33	41	570394	50.49	ug/l	99
15) Acrylonitrile	4.99	53	659099	262.10	ug/l	100
16) Acetone	3.82	43	464987	252.78	ug/l	100
17) Carbon Disulfide	4.05	76	1163085	47.86	ug/l	99
18) Methyl Acetate	4.33	43	351019	47.84	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	973545	53.39	ug/l	99
20) Methylene Chloride	4.55	84	423712	48.38	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	398148	50.78	ug/l	99
22) Diisopropyl ether	5.96	45	1218289	54.12	ug/l	98
23) Vinyl Acetate	5.90	43	3921422	270.48	ug/l	100
24) 1,1-Dichloroethane	5.85	63	725808	50.22	ug/l	99
25) 2-Butanone	6.84	43	727879	232.44	ug/l	99
26) 2,2-Dichloropropane	6.83	77	578312	49.80	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	438120	51.83	ug/l	99
28) Bromochloromethane	7.20	49	319694	52.06	ug/l	99
29) Tetrahydrofuran	7.22	42	483476	269.29	ug/l	100
30) Chloroform	7.37	83	727763	50.85	ug/l	100
31) Cyclohexane	7.65	56	659632	50.22	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	627924	51.08	ug/l	99
36) 1,1-Dichloropropene	7.80	75	563214	53.24	ug/l	100
37) Ethyl Acetate	6.93	43	322930	53.14	ug/l	99
38) Carbon Tetrachloride	7.78	117	557150	52.10	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	616760	53.89	ug/l	99
40) Benzene	8.04	78	1694141	53.11	ug/l	99
41) Methacrylonitrile	7.18	41	164962	50.16	ug/l	97
42) 1,2-Dichloroethane	8.13	62	507501	53.21	ug/l	100
43) Isopropyl Acetate	8.17	43	567949	54.36	ug/l	100
44) Trichloroethene	8.84	130	436527	51.89	ug/l	99
45) 1,2-Dichloropropane	9.12	63	445021	53.08	ug/l	99
46) Dibromomethane	9.21	93	261481	53.08	ug/l	100
47) Bromodichloromethane	9.40	83	553965	53.69	ug/l	97
48) Methyl methacrylate	9.20	41	297519	55.88	ug/l	98
49) 1,4-Dioxane	9.20	88	80655	1111.14	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1630895	261.58	ug/l	100
52) Toluene	10.16	92	1053099	55.73	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	547858	53.35	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	642793	54.66	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	373093	53.20	ug/l	99
56) Ethyl methacrylate	10.43	69	452240	49.59	ug/l	99
57) 1,3-Dichloropropane	10.71	76	625138	54.00	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	986519	247.90	ug/l	99
59) 2-Hexanone	10.75	43	1077501	259.60	ug/l	100
60) Dibromochloromethane	10.90	129	420479	53.54	ug/l	98
61) 1,2-Dibromoethane	11.01	107	365981	53.96	ug/l	100
64) Tetrachloroethene	10.63	164	407152	51.18	ug/l	99
65) Chlorobenzene	11.43	112	1127505	51.50	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	419721	52.40	ug/l	99
67) Ethyl Benzene	11.51	91	1945404	54.66	ug/l	100
68) m/p-Xylenes	11.62	106	1506674	111.52	ug/l	99
69) o-Xylene	11.95	106	717754	55.26	ug/l	100
70) Styrene	11.96	104	1157747	50.57	ug/l	100
71) Bromoform	12.13	173	291404	52.90	ug/l	100
73) Isopropylbenzene	12.25	105	1908471	53.91	ug/l	100
74) N-amyl acetate	12.07	43	479105	53.86	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	461107	54.79	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	369173m	49.30	ug/l	
77) Bromobenzene	12.53	156	487390	50.66	ug/l	98
78) n-propylbenzene	12.59	91	2174929	55.00	ug/l	100
79) 2-Chlorotoluene	12.68	91	1288532	52.31	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1577746	55.24	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113283	51.14	ug/l	98
82) 4-Chlorotoluene	12.77	91	1296834	53.33	ug/l	100
83) tert-Butylbenzene	12.99	119	1317326	53.25	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1598954	55.65	ug/l	99
85) sec-Butylbenzene	13.17	105	1771548	54.65	ug/l	100
86) p-Isopropyltoluene	13.29	119	1558891	56.44	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	843692	51.68	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	816806	50.83	ug/l	99
89) n-Butylbenzene	13.62	91	1225387	55.47	ug/l	100
90) Hexachloroethane	13.88	117	272602	51.78	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	812074	51.56	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64078	50.40	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	379310	46.59	ug/l	100
94) Hexachlorobutadiene	15.01	225	247696	53.12	ug/l	99
95) Naphthalene	15.13	128	741859	44.14	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	358573	46.90	ug/l	98

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

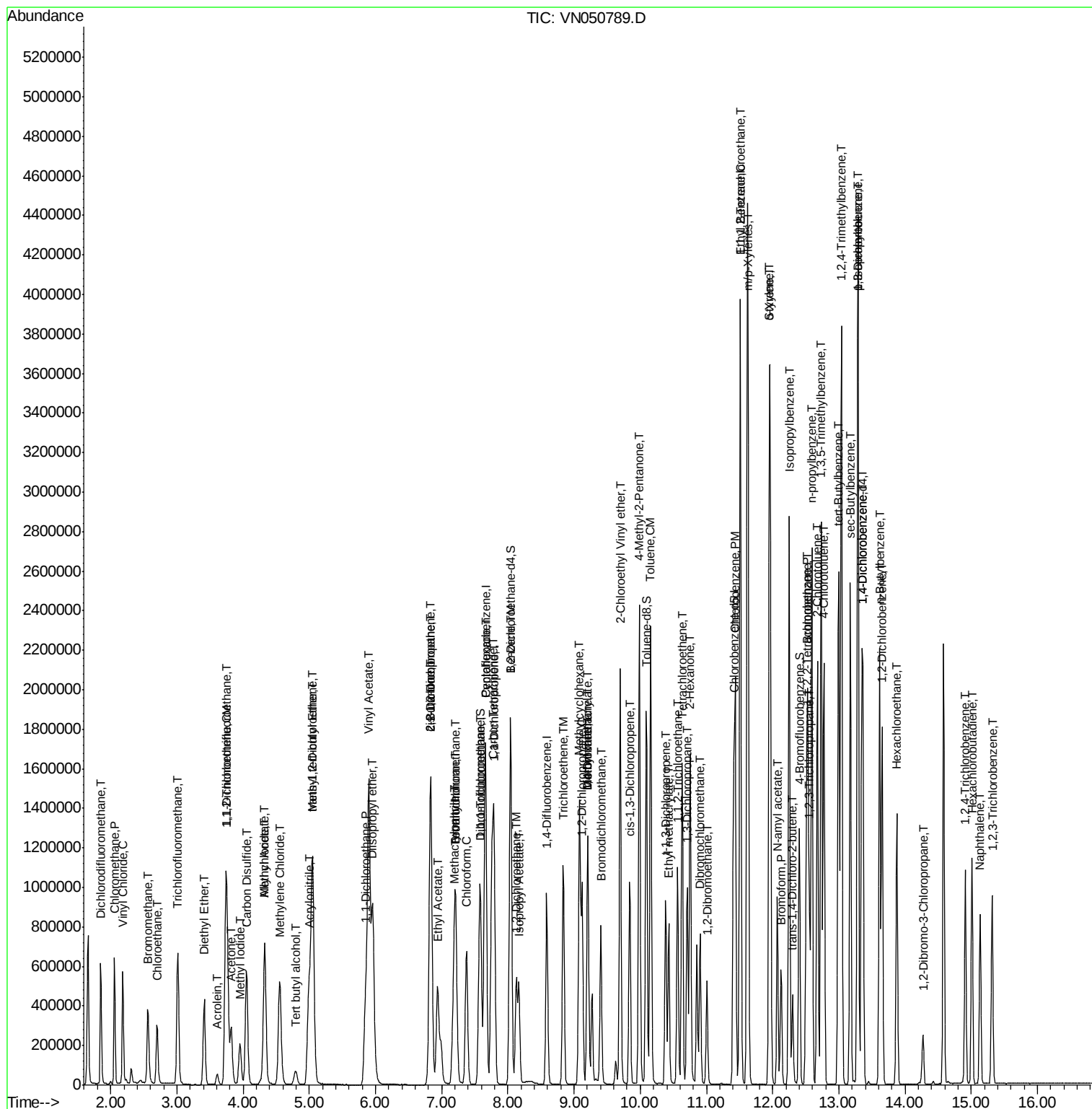
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN082118\
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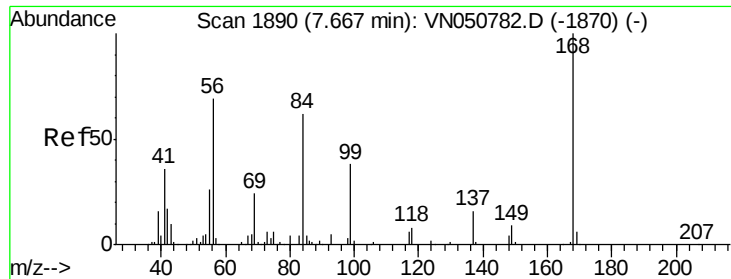
Instrument :
MSVOA_N
Client Sample Id :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 645458

Ion Ratio Lower Upper

168 100

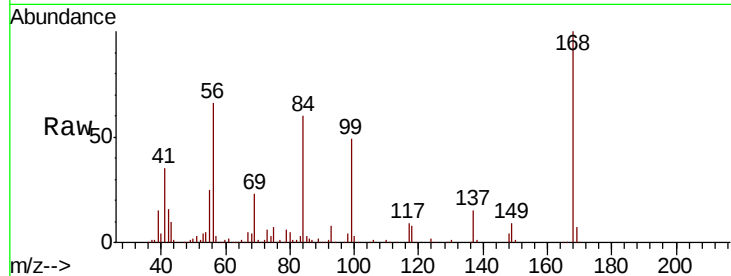
99 48.8 39.6 59.4

Manual Integrations

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8/22/2018 11:19:15 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

300000

250000

200000

150000

100000

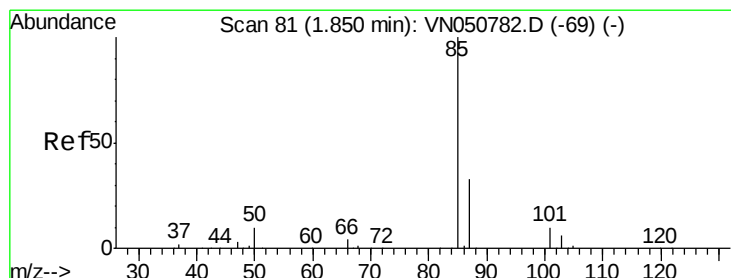
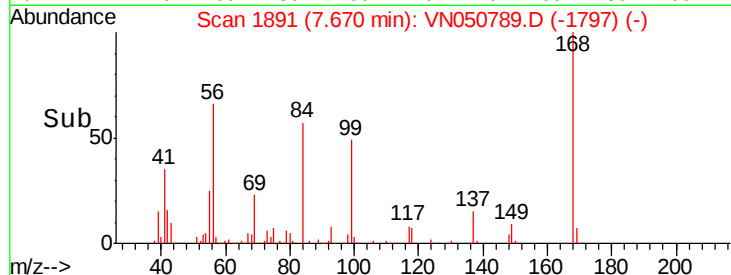
50000

0

7.67

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 55.68 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050789.D

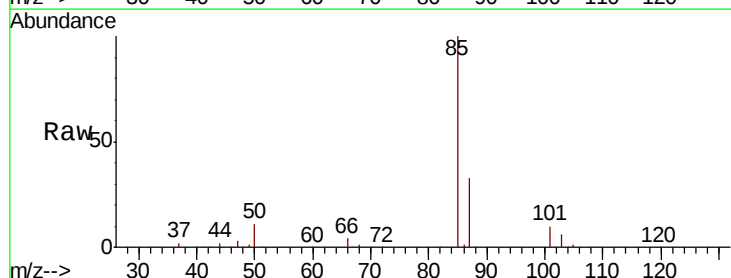
Acq: 21 Aug 2018 18:30

Tgt Ion: 85 Resp: 480944

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

400000

300000

200000

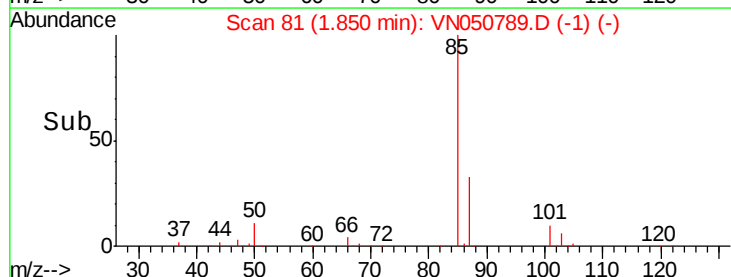
100000

0

1.85

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 49.20 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 524172

Ion Ratio Lower Upper

50 100

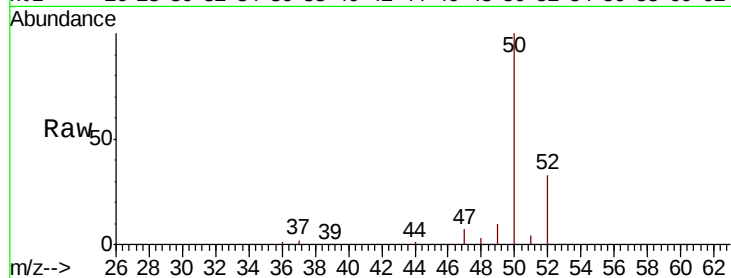
52 33.3 26.3 39.5

Manual Integrations

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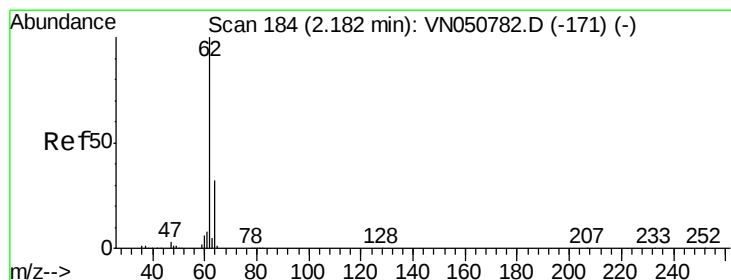
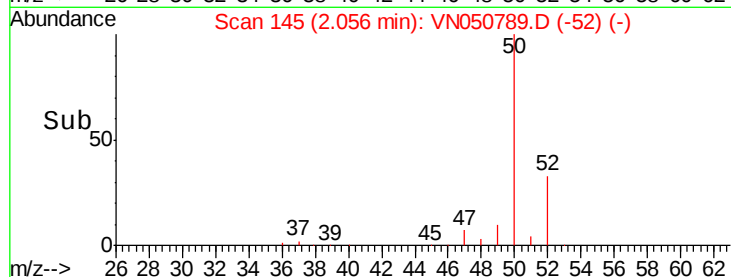
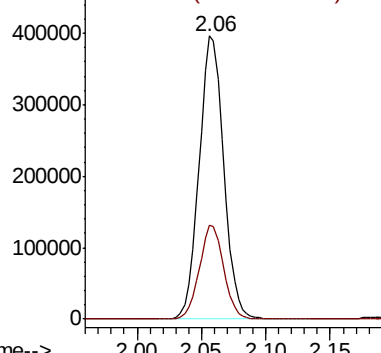
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 50.83 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050789.D

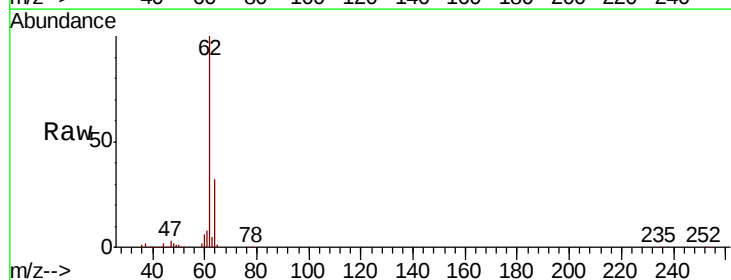
Acq: 21 Aug 2018 18:30

Tgt Ion: 62 Resp: 512980

Ion Ratio Lower Upper

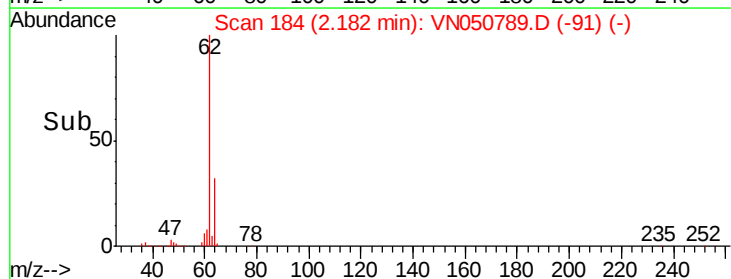
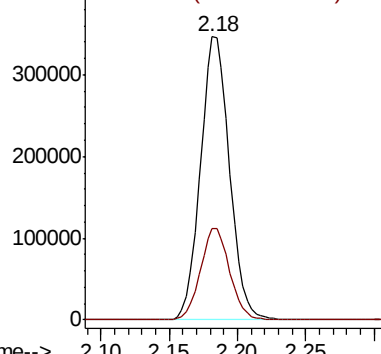
62 100

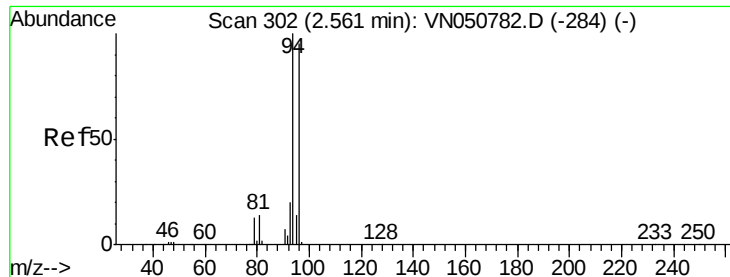
64 32.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.01 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

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Acq: 21 Aug 2018 18:30

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ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 275641

Ion Ratio Lower Upper

94 100

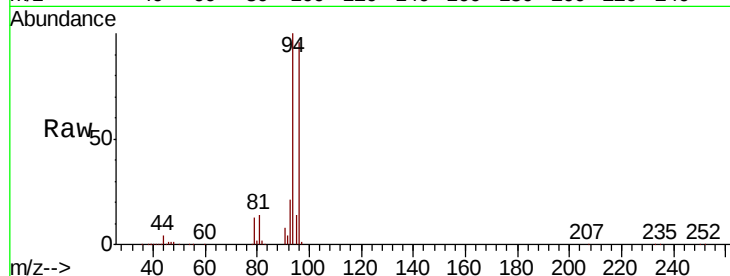
96 96.2 76.2 114.2

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8/22/2018 11:19:15 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

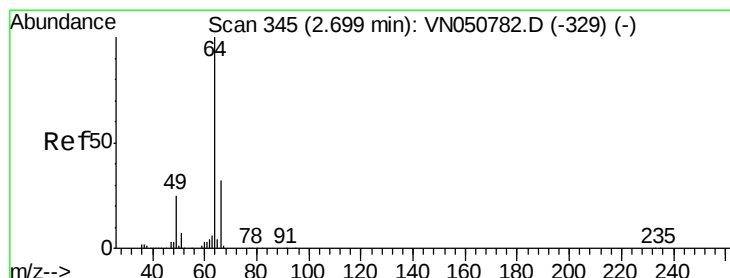
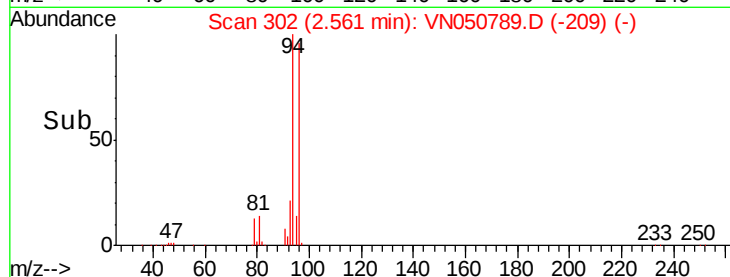
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 50.04 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050789.D

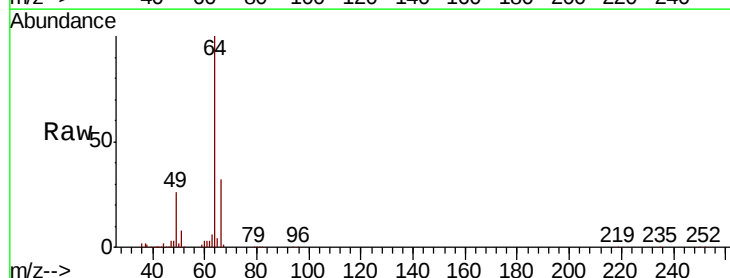
Acq: 21 Aug 2018 18:30

Tgt Ion: 64 Resp: 291821

Ion Ratio Lower Upper

64 100

66 32.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

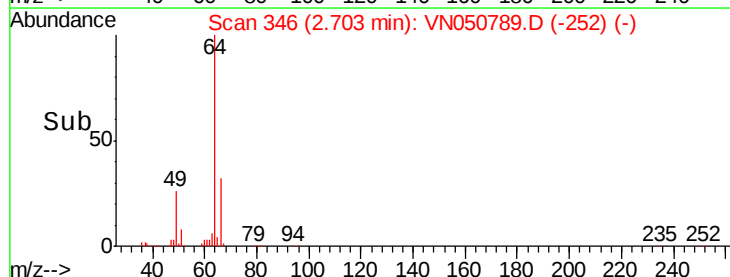
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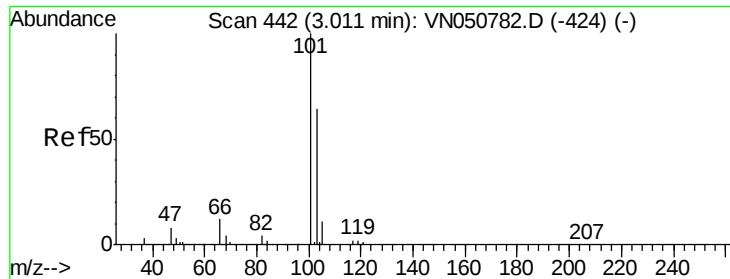
100000

50000

0

Time-->





#7

Trichlorofluoromethane

Concen: 51.10 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 660384

Ion Ratio Lower Upper

101 100

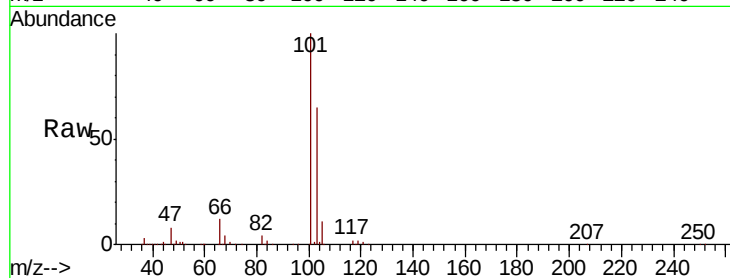
103 64.8 51.6 77.4

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8/22/2018 11:19:15 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

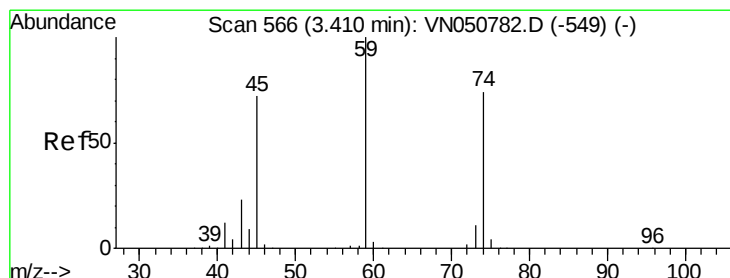
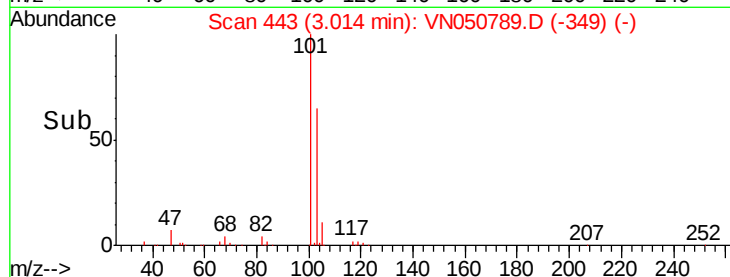
300000

200000

100000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 51.27 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050789.D

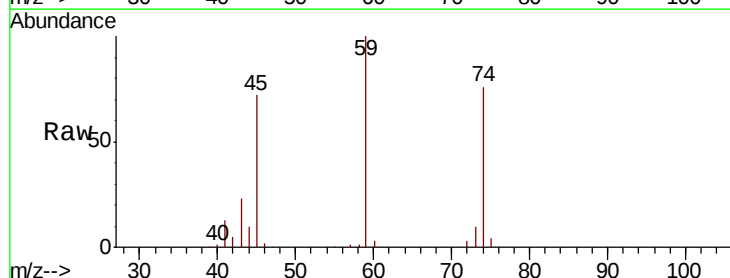
Acq: 21 Aug 2018 18:30

Tgt Ion: 74 Resp: 225319

Ion Ratio Lower Upper

74 100

45 95.0 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

120000

100000

80000

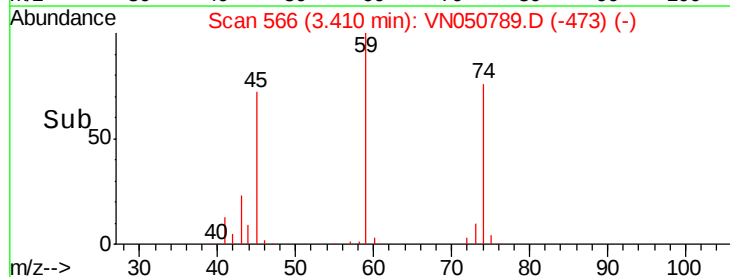
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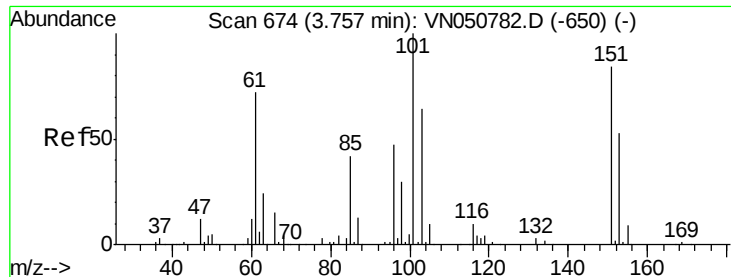
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20000

0

Time--> 3.30 3.35 3.40 3.45 3.50





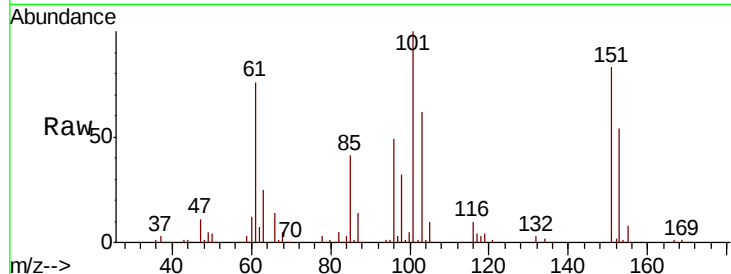
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.51 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. -0.00 min
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	407861		
85	41.5	33.7	50.5	
151	84.5	67.4	101.2	

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 8/22/2018 11:19:15 AM

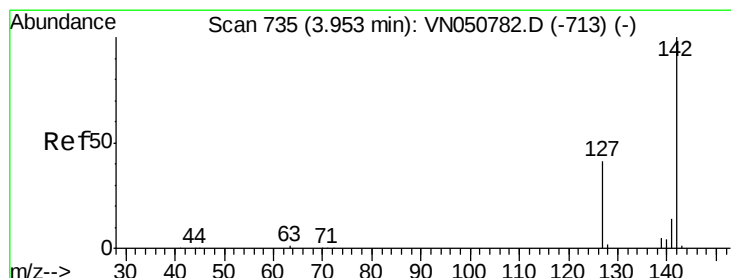
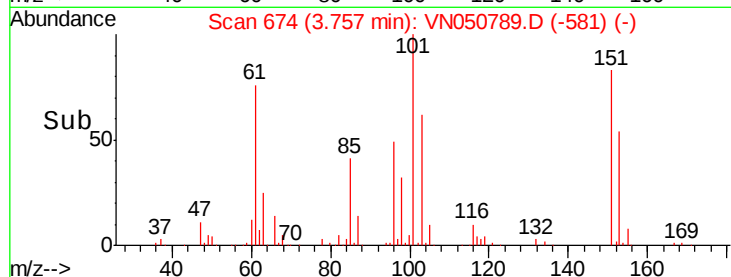
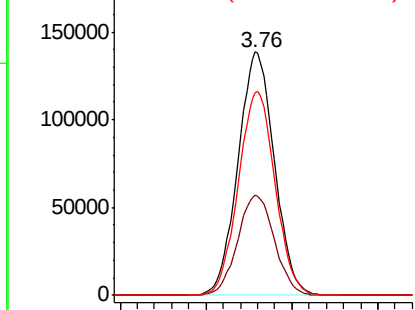


Abundance

Ion 100.90 (100.60 to 101.60): V

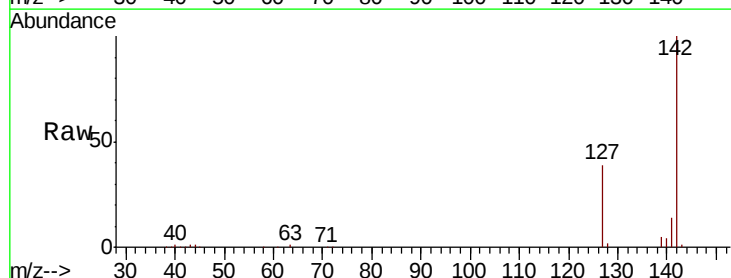
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 49.06 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	346649		
127	41.1	31.7	47.5	
141	14.2	11.4	17.0	

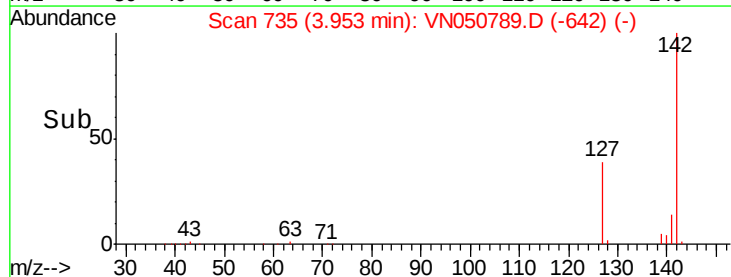
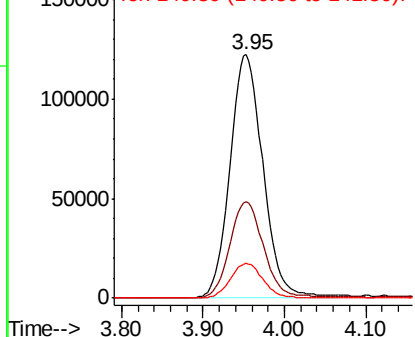


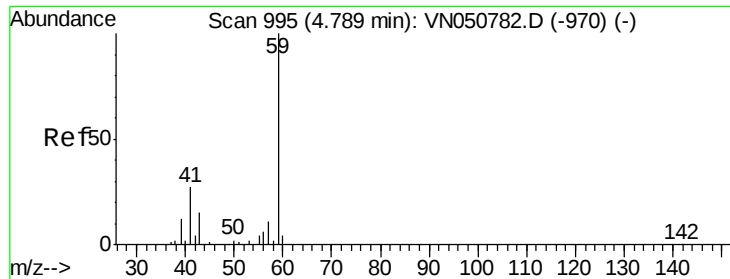
Abundance

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





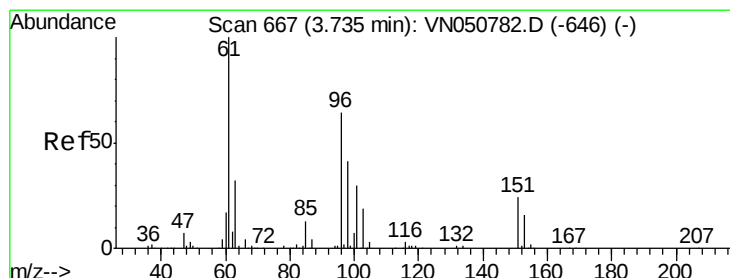
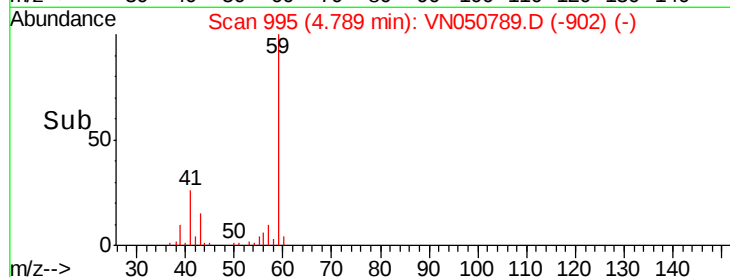
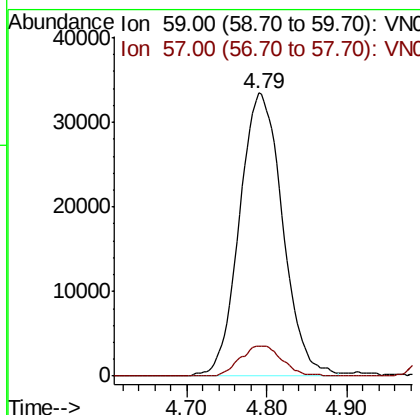
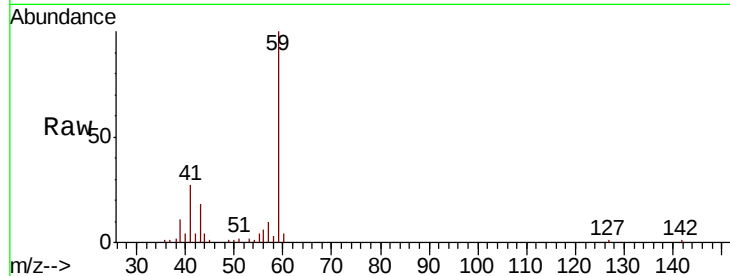
#11
Tert butyl alcohol
Concen: 248.25 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5

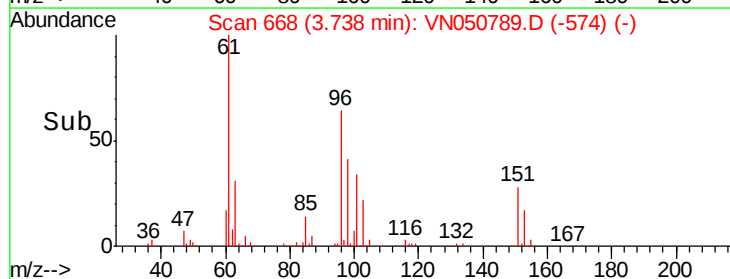
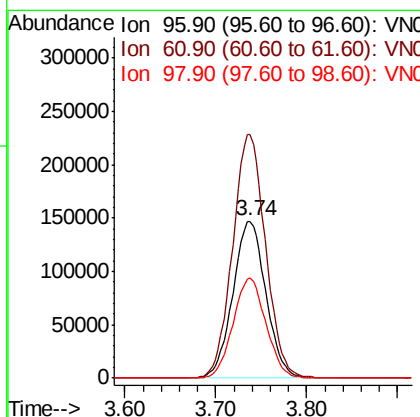
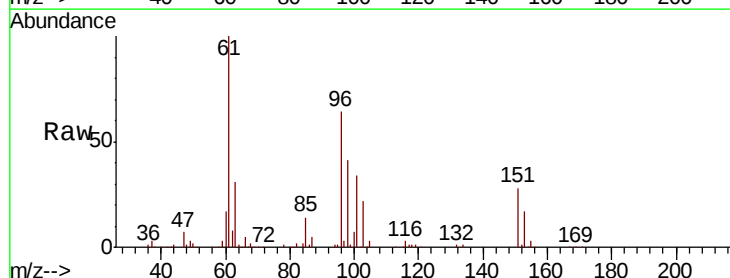
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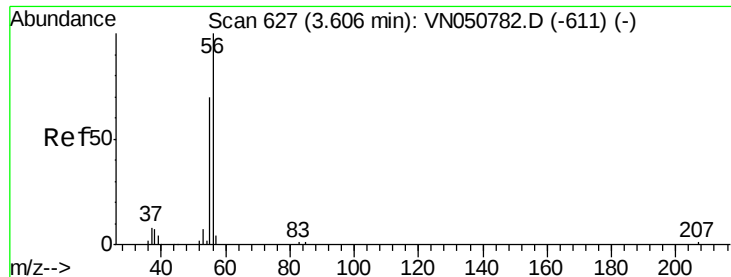
MMDadoda
8/22/2018 11:19:15 AM



#12
1,1-Dichloroethene
Concen: 51.15 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	124.9	187.3
98	63.9	51.1	76.7





#13

Acrolein

Concen: 223.28 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 63919

Ion Ratio Lower Upper

56 100

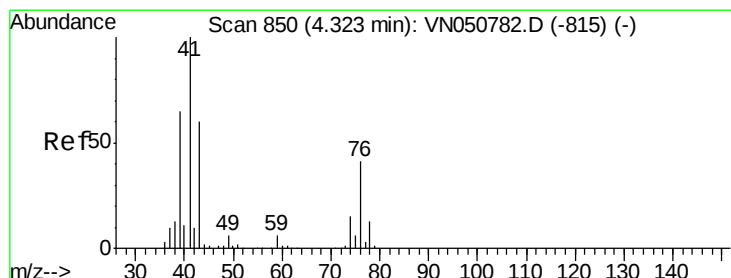
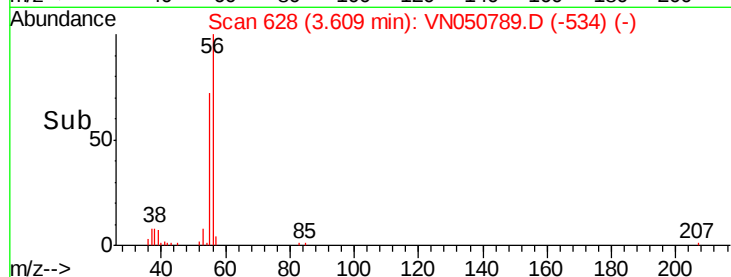
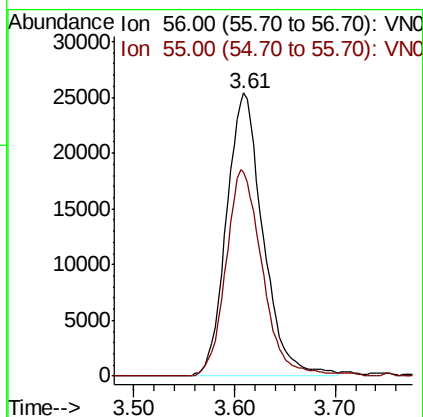
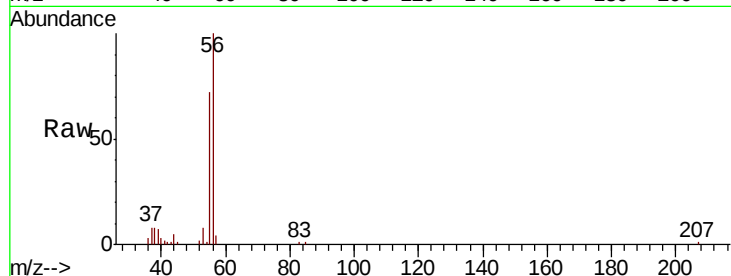
55 72.4 57.7 86.5

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#14

Allyl chloride

Concen: 50.49 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

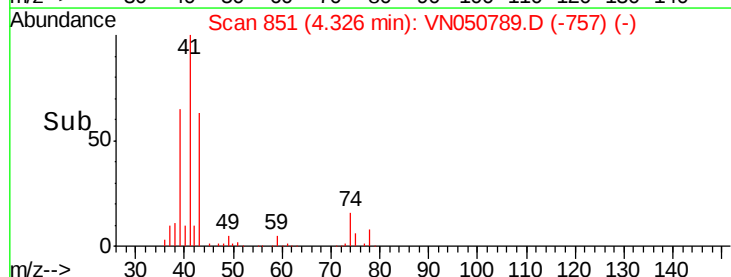
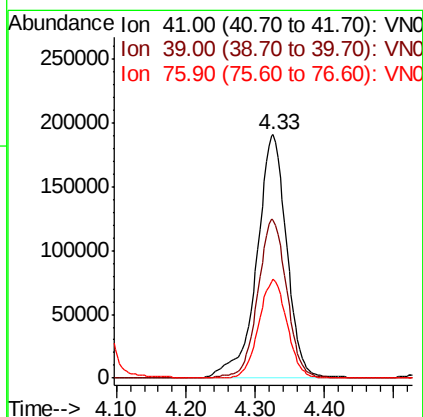
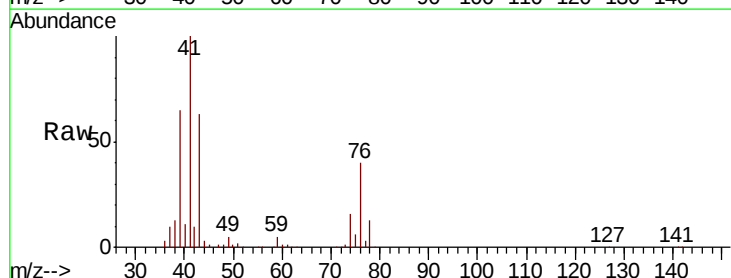
Tgt Ion: 41 Resp: 570394

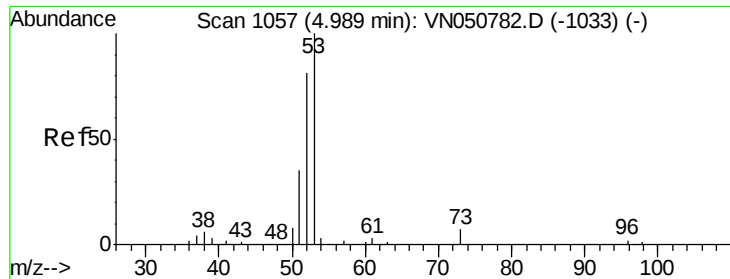
Ion Ratio Lower Upper

41 100

39 63.2 50.2 75.2

76 37.8 29.8 44.8





#15

Acrylonitrile

Concen: 262.10 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

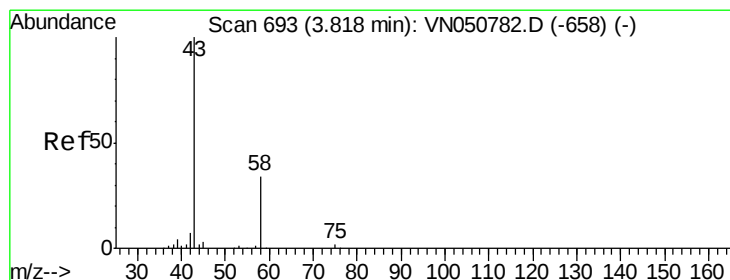
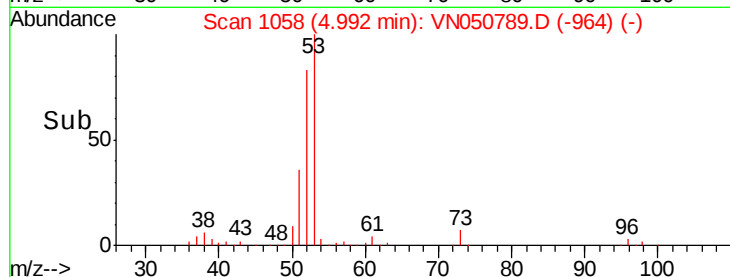
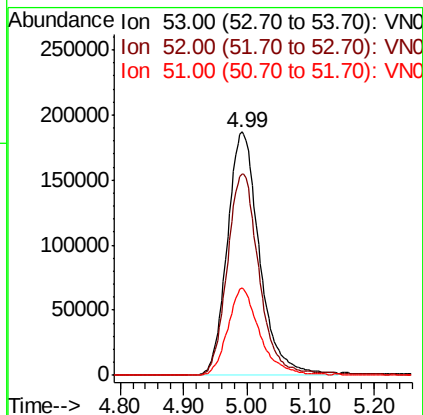
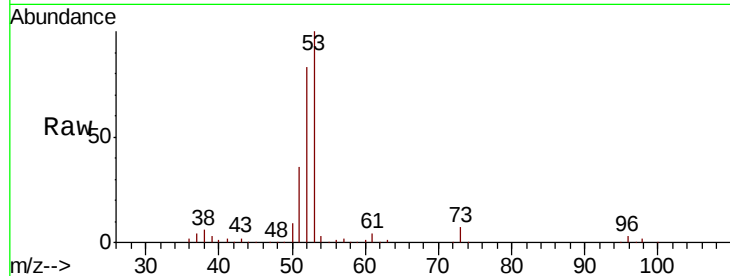
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	659099
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.9	98.9
51	35.6	28.6	43.0

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#16

Acetone

Concen: 252.78 ug/l

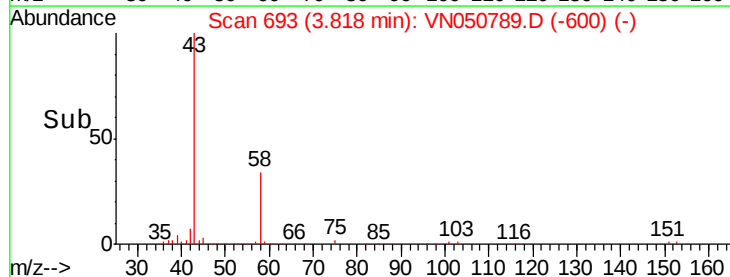
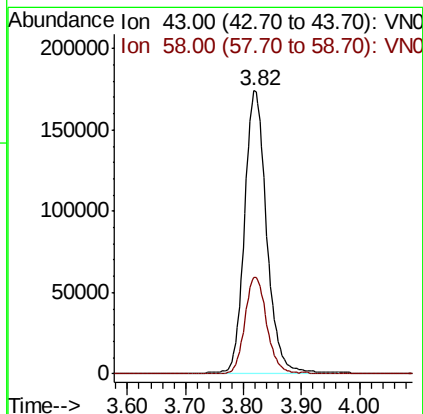
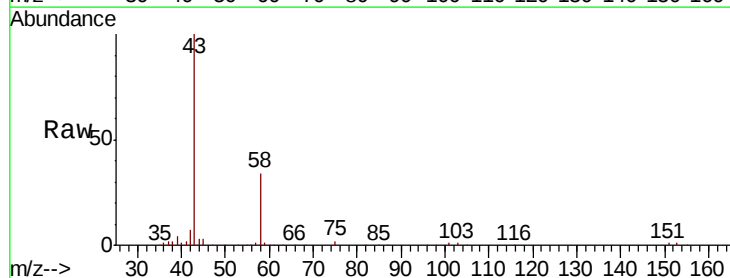
RT: 3.82 min Scan# 693

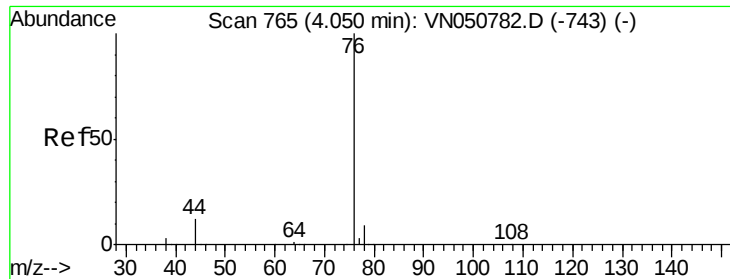
Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Tgt Ion:	43	Resp:	464987
Ion	Ratio	Lower	Upper
43	100		
58	34.2	27.2	40.8





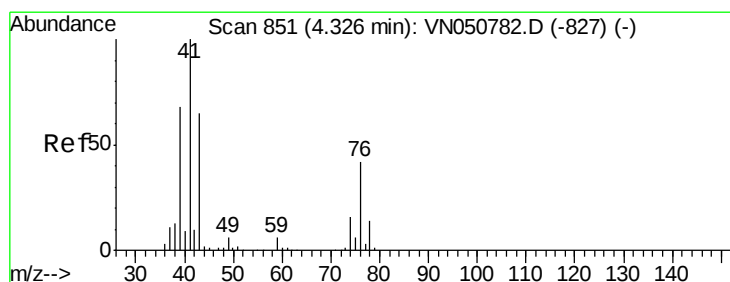
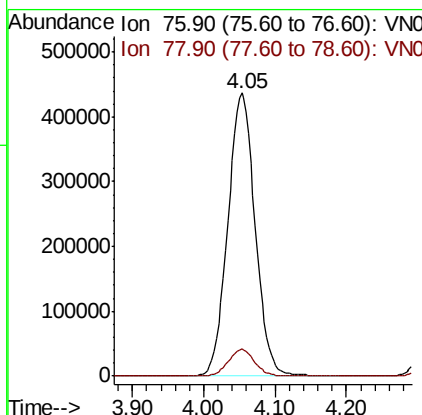
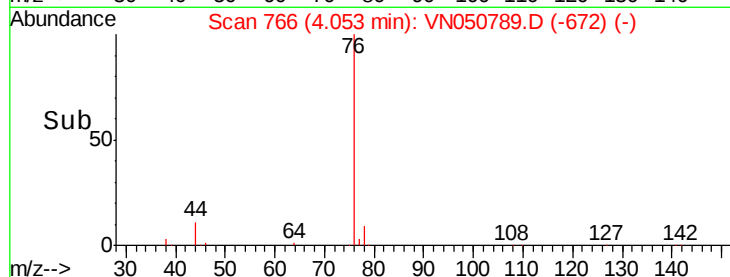
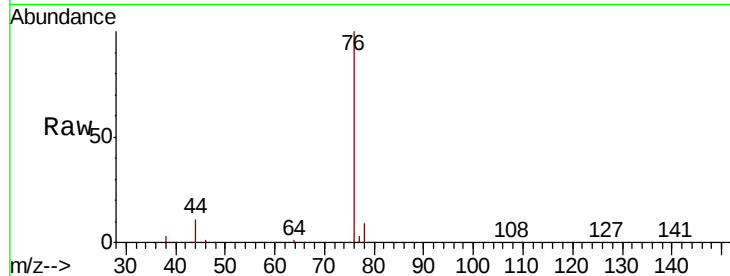
#17
Carbon Disulfide
Concen: 47.86 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1163085
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9

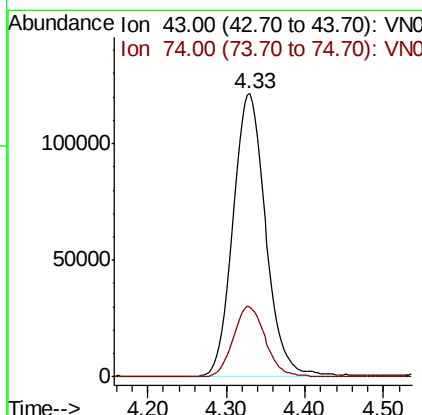
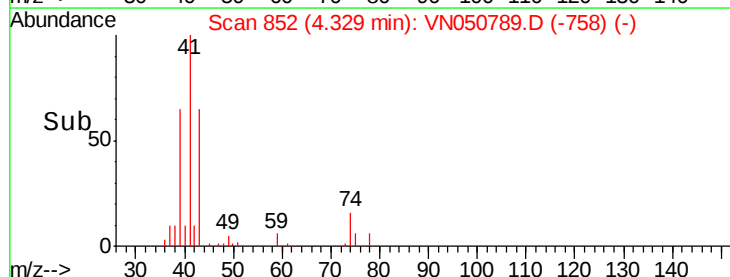
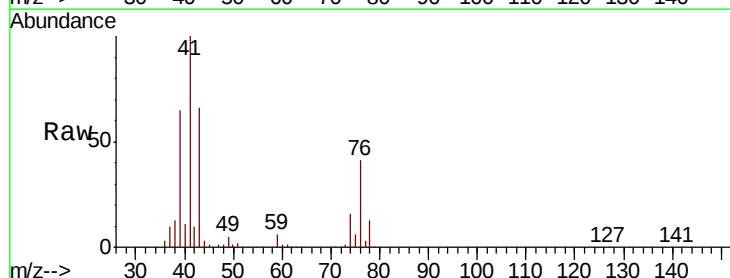
Manual Integrations
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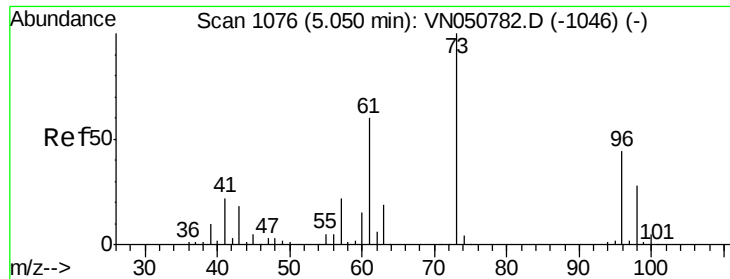
MMDadoda
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#18
Methyl Acetate
Concen: 47.84 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion: 43 Resp: 351019
Ion Ratio Lower Upper
43 100
74 24.6 19.8 29.8





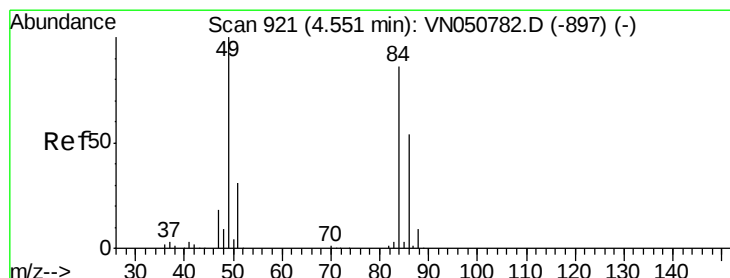
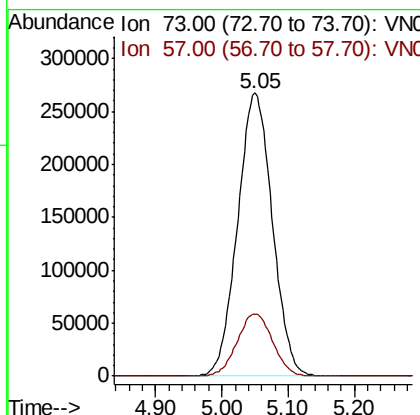
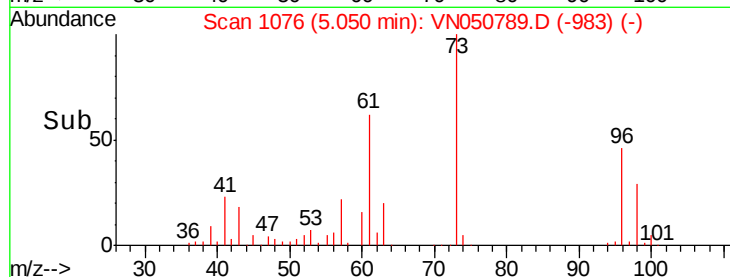
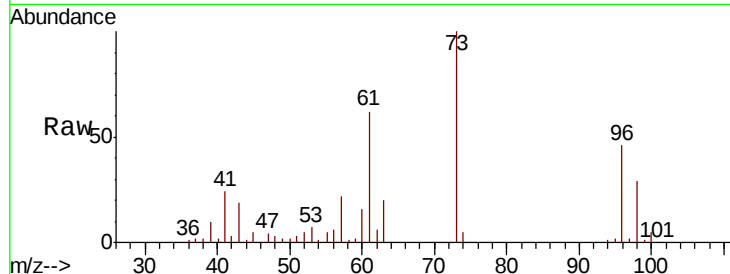
#19
Methyl tert-butyl Ether
Concen: 53.39 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	73	Resp	973545
Ion Ratio	100	Lower	Upper
57	22.0	17.8	26.8

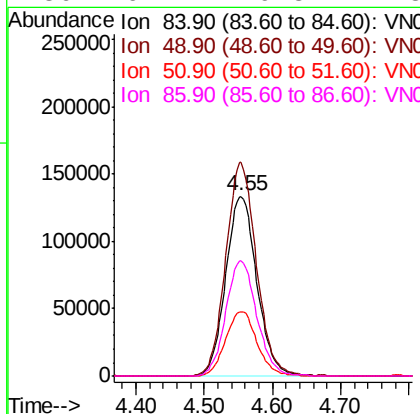
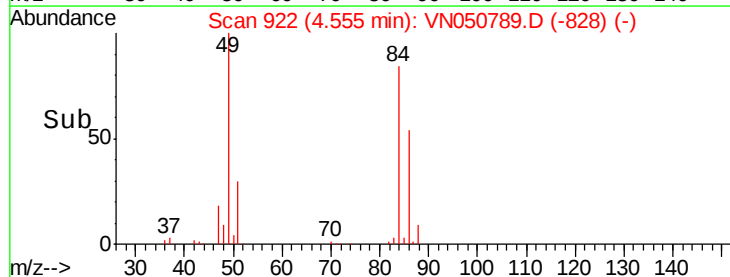
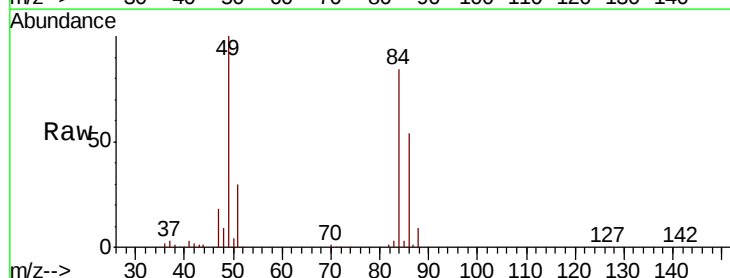
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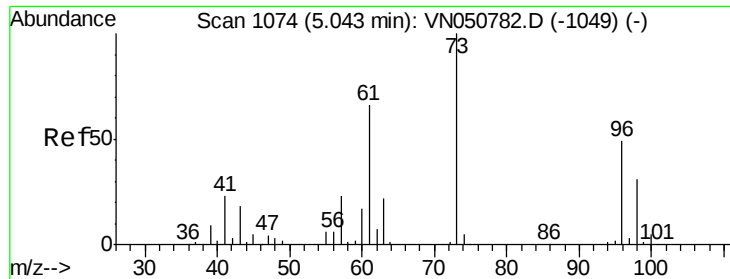
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8/22/2018 11:19:15 AM



#20
Methylene Chloride
Concen: 48.38 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion	84	Resp	423712
Ion Ratio	100	Lower	Upper
49	118.8	93.2	139.8
51	36.0	29.0	43.6
86	64.4	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 50.78 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

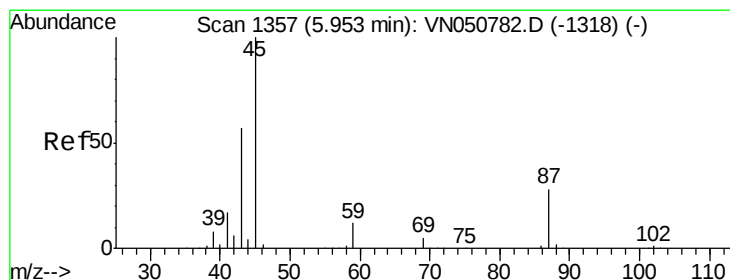
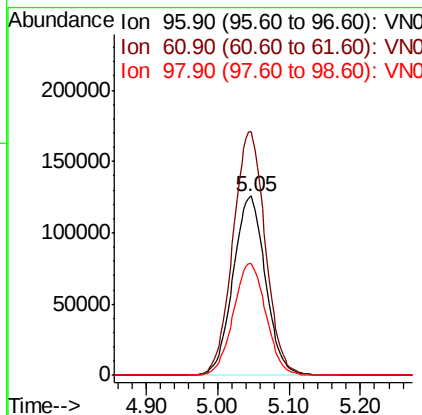
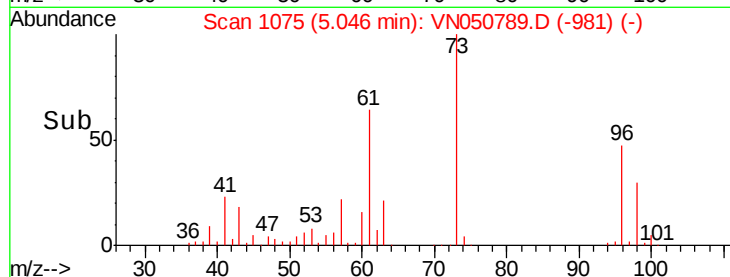
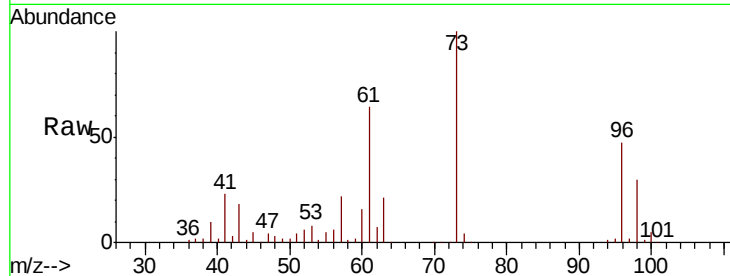
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	107.4	161.0
98	62.5	50.7	76.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.12 ug/l

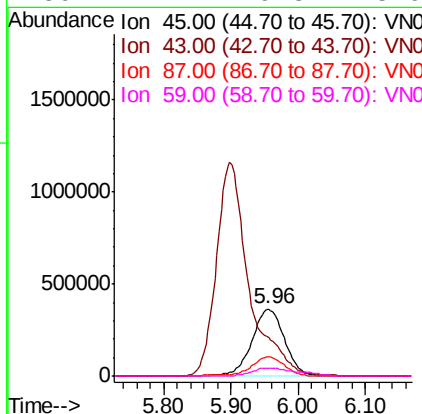
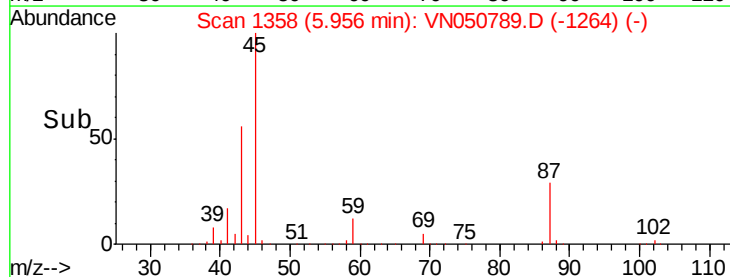
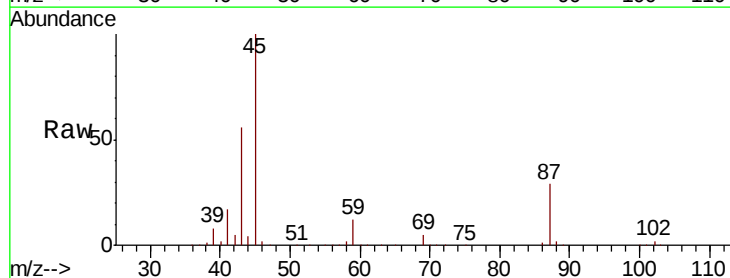
RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.5	45.9	68.9
87	28.5	22.7	34.1
59	12.2	9.3	13.9





#23

Vinyl Acetate

Concen: 270.48 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 3921422

Ion Ratio Lower Upper

43 100

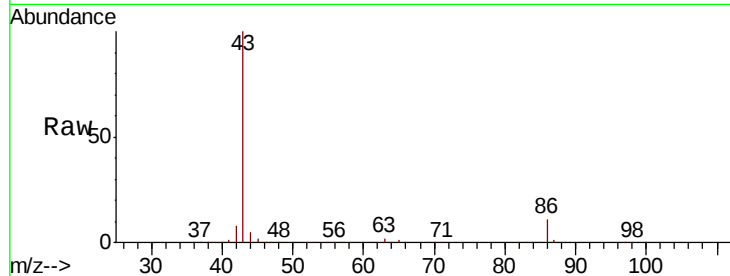
86 11.0 8.7 13.1

Manual Integrations

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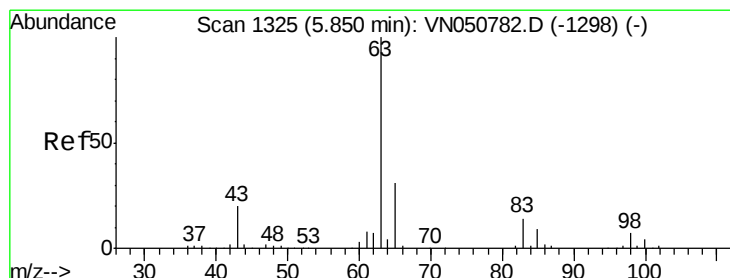
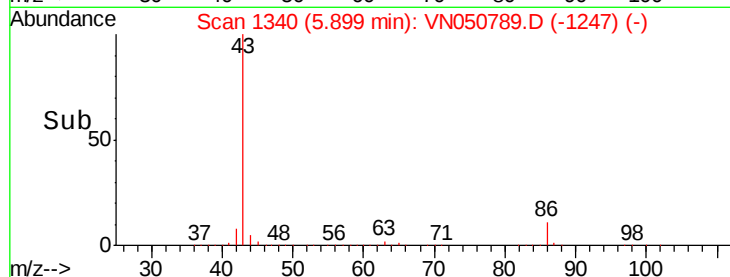
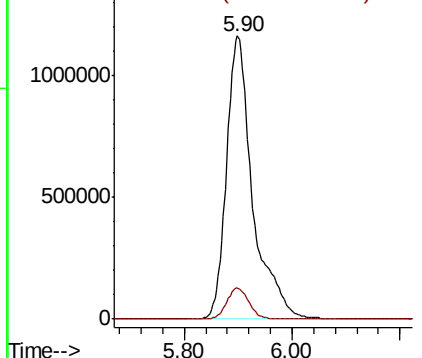
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.22 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

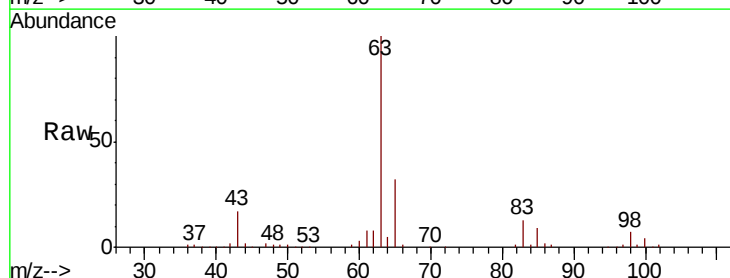
Tgt Ion: 63 Resp: 725808

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

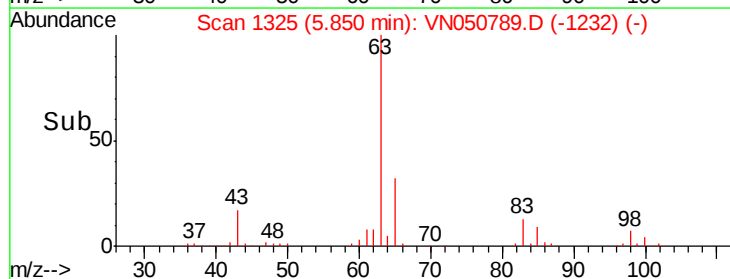
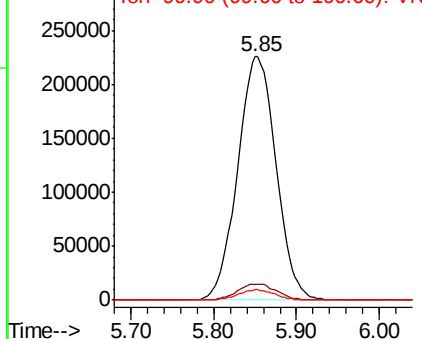
100 4.2 2.1 6.5

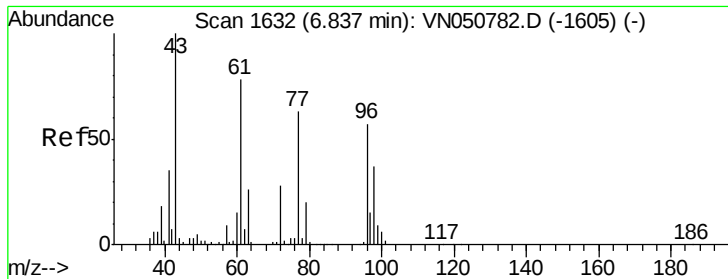


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





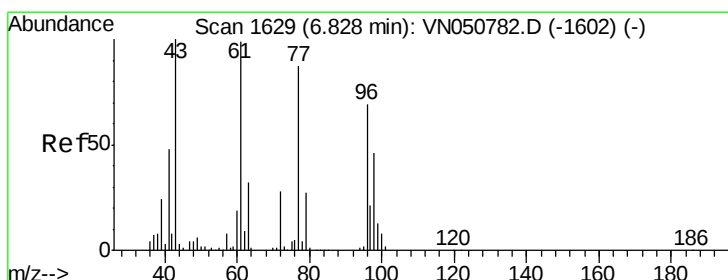
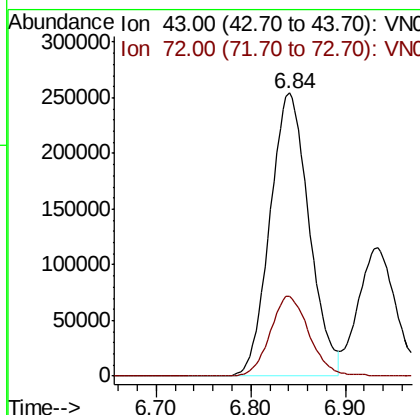
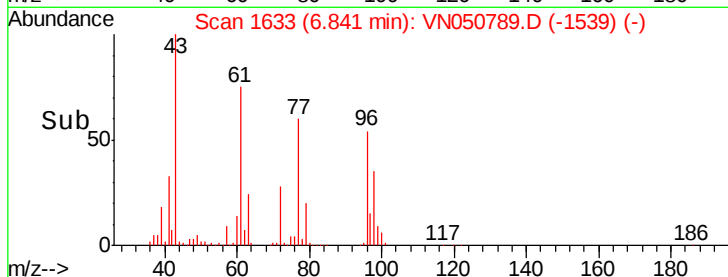
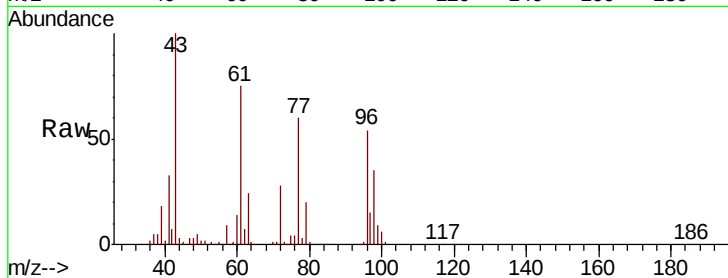
#25
2-Butanone
Concen: 232.44 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 727879
Ion Ratio Lower Upper
43 100
72 28.2 22.3 33.5

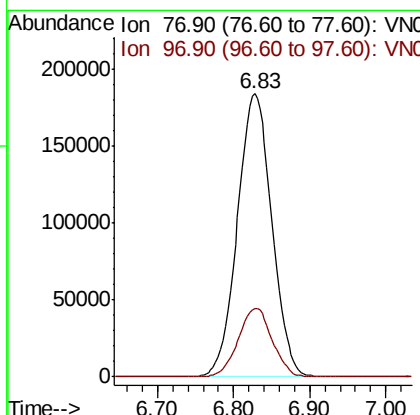
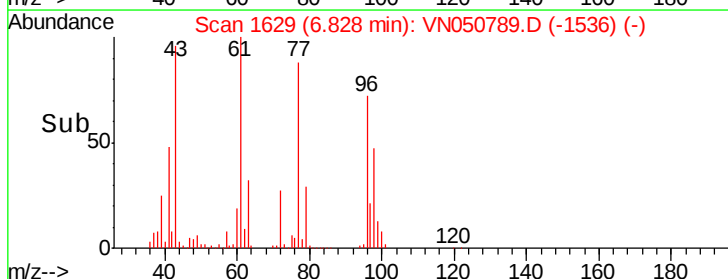
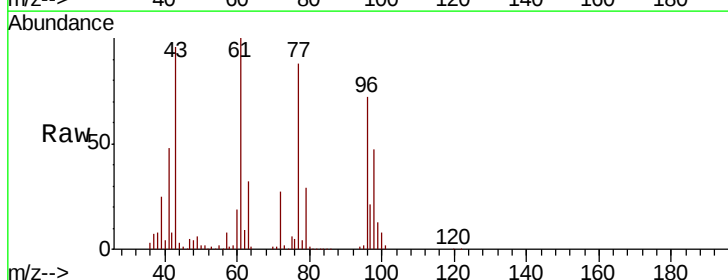
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#26
2,2-Dichloropropane
Concen: 49.80 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion: 77 Resp: 578312
Ion Ratio Lower Upper
77 100
97 23.9 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 51.83 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

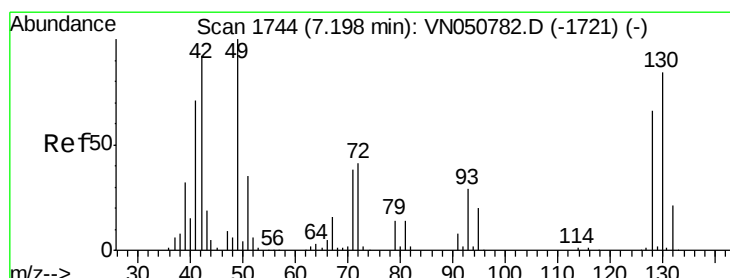
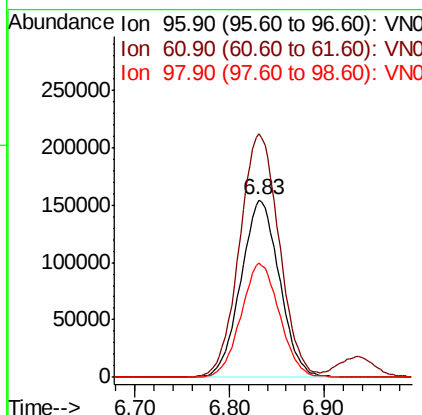
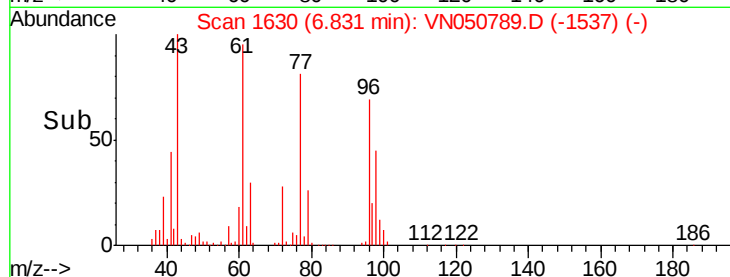
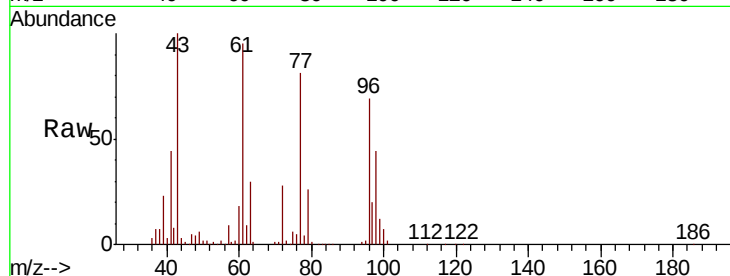
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	438120
Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	283.4
98	64.3	0.0	129.8

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#28

Bromochloromethane

Concen: 52.06 ug/l

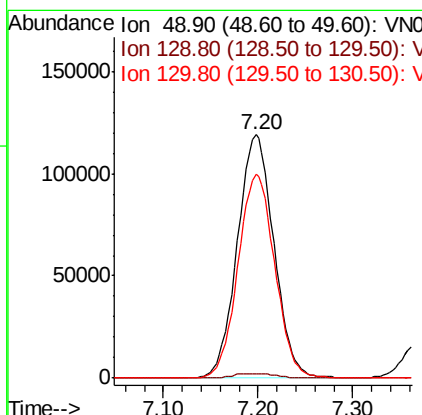
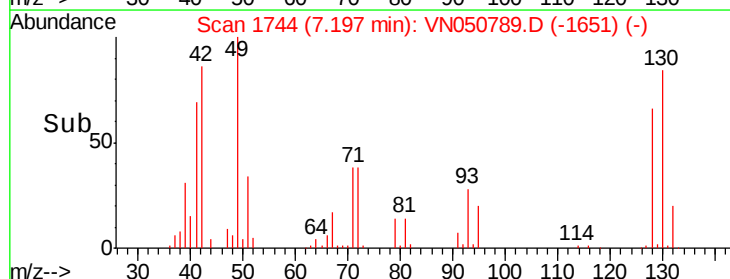
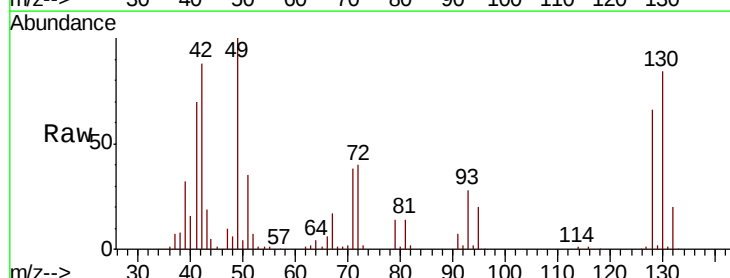
RT: 7.20 min Scan# 1744

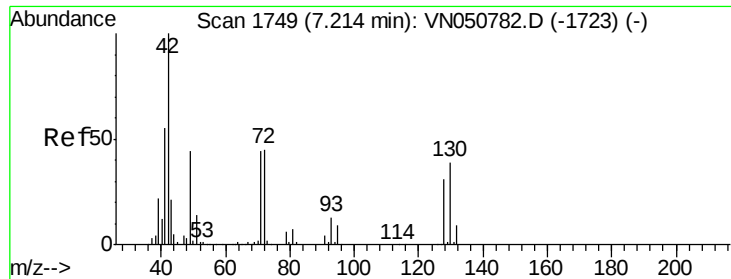
Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Tgt Ion:	49	Resp:	319694
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	84.6	67.1	100.7





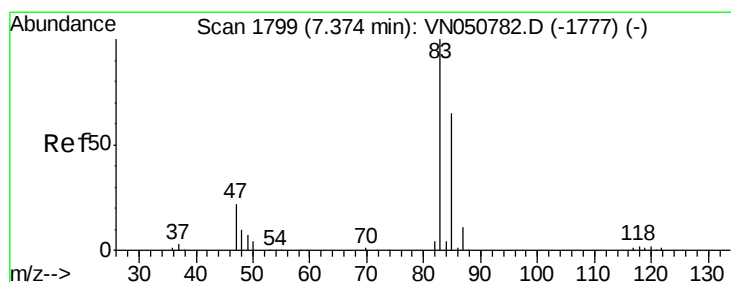
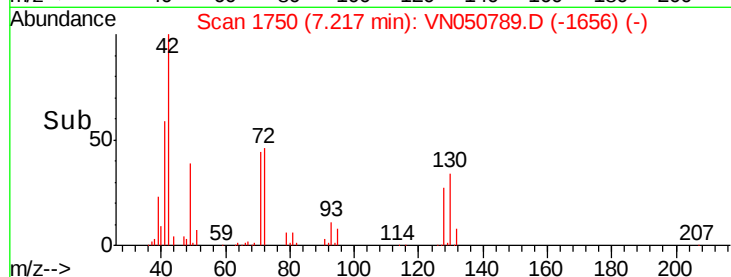
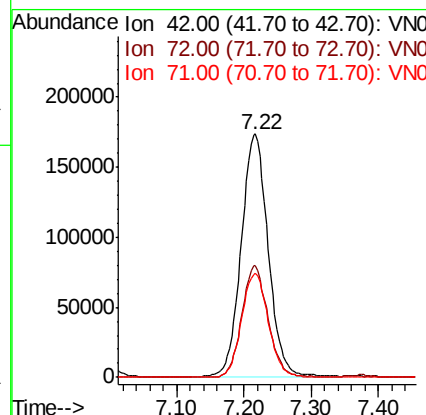
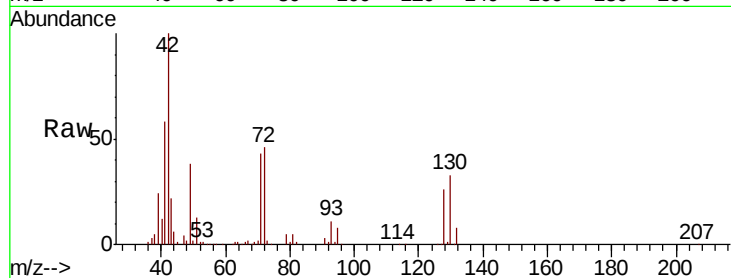
#29
Tetrahydrofuran
Concen: 269.29 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.5	53.3
71	42.5	33.7	50.5

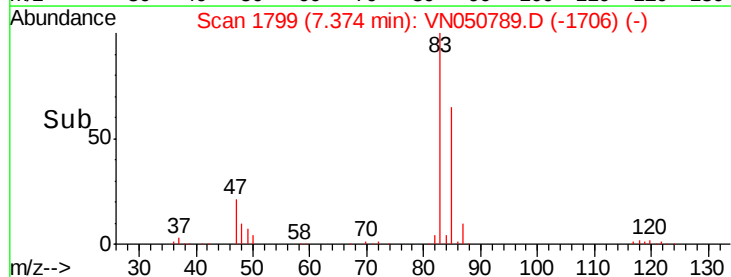
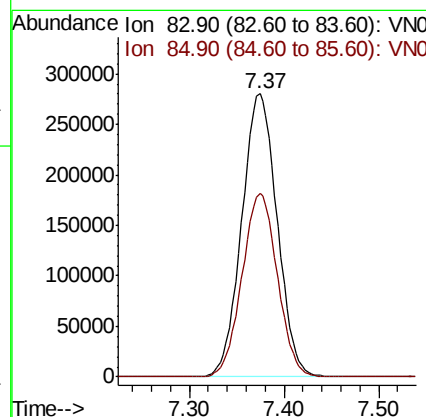
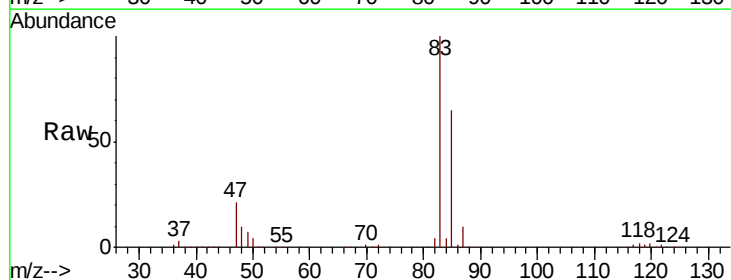
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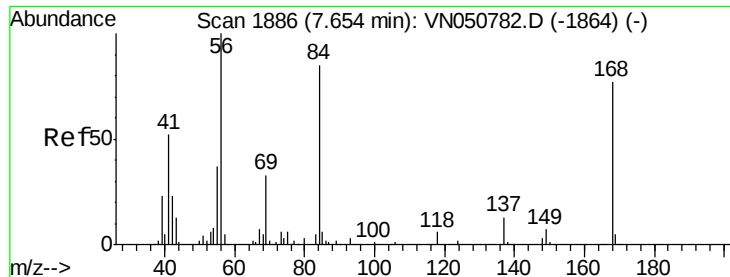
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#30
Chloroform
Concen: 50.85 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4





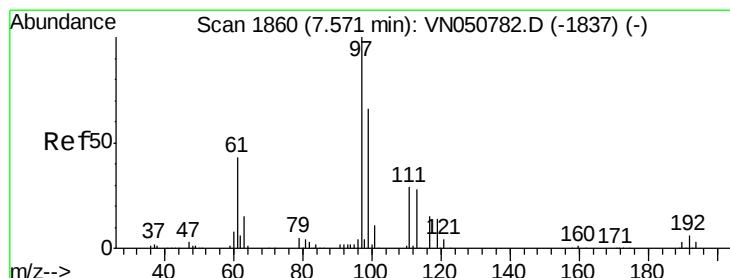
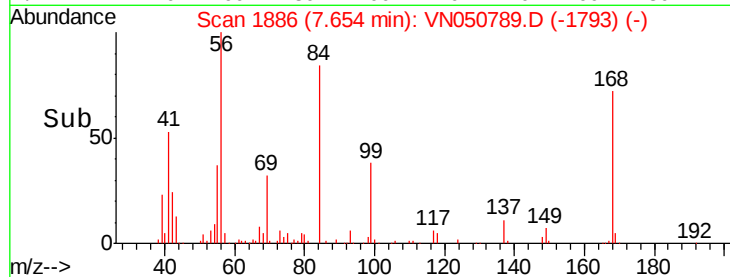
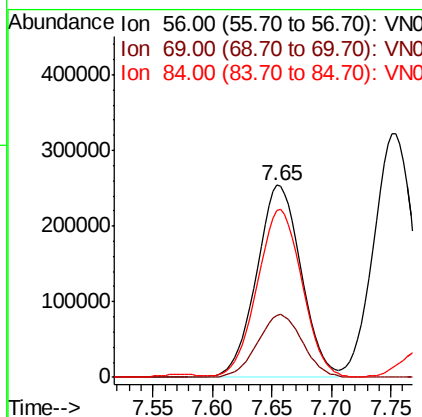
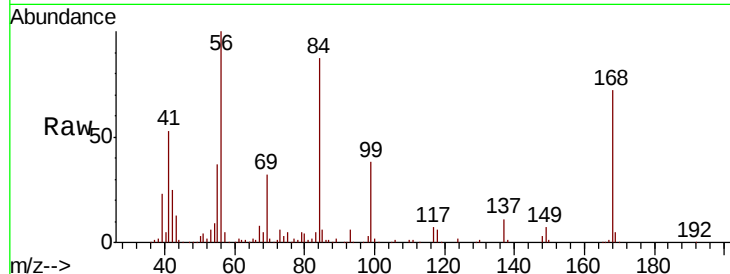
#31
Cyclohexane
Concen: 50.22 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.2	39.4
84	85.6	68.3	102.5

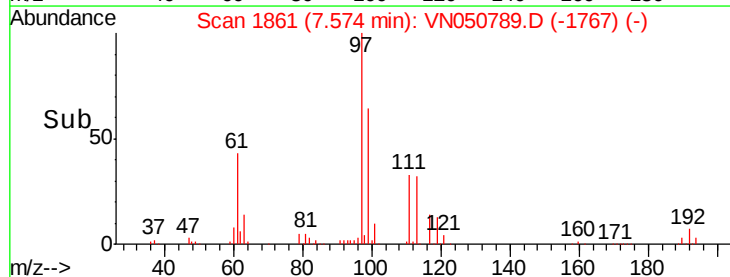
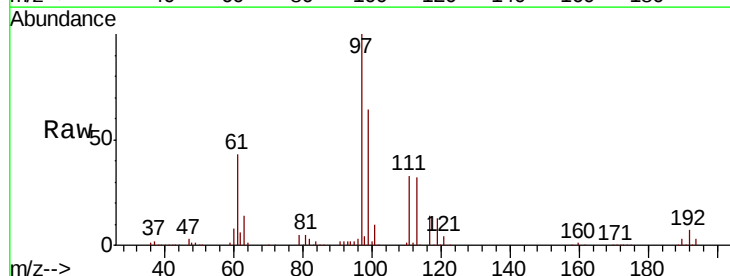
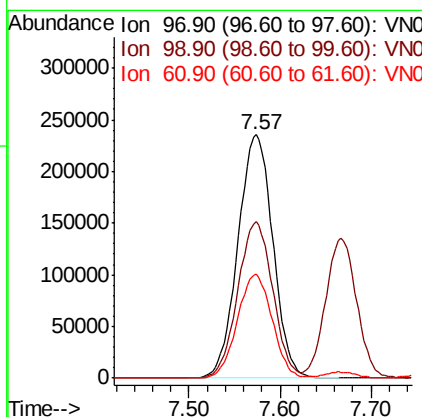
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#32
1,1,1-Trichloroethane
Concen: 51.08 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	42.6	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 49.33 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 383336

Ion Ratio Lower Upper

65 100

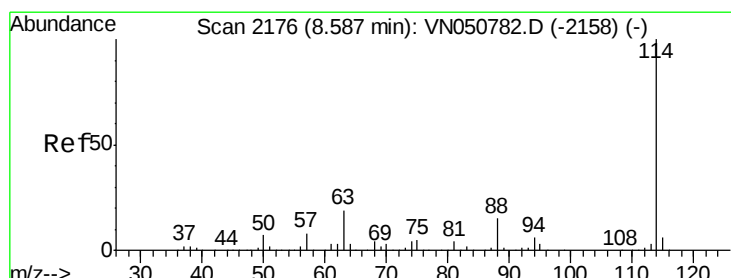
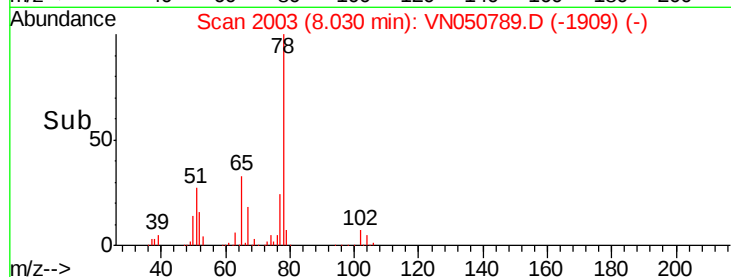
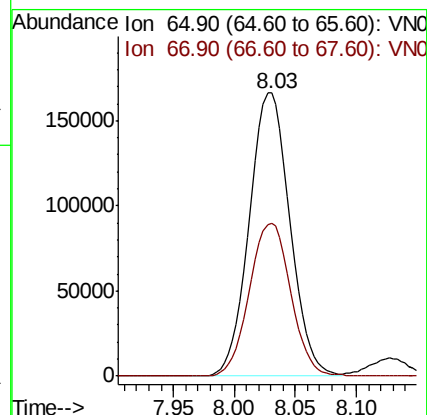
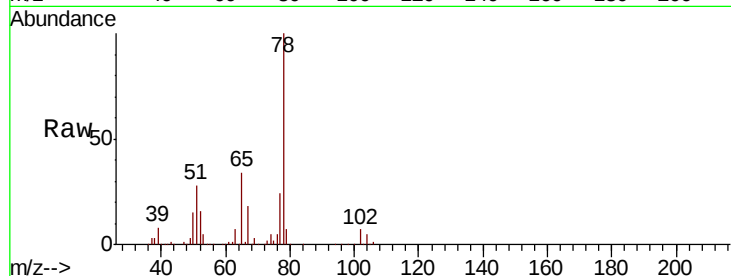
67 55.0 0.0 110.4

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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: VN050789.D

Acq: 21 Aug 2018 18:30

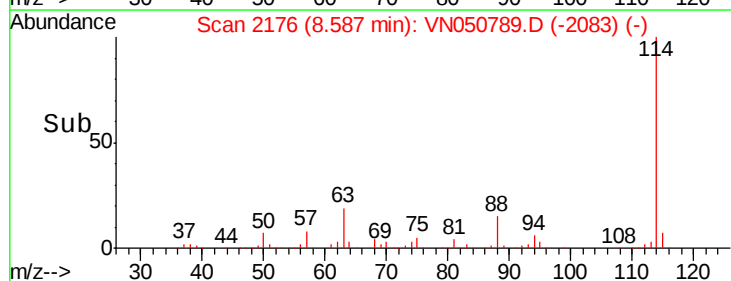
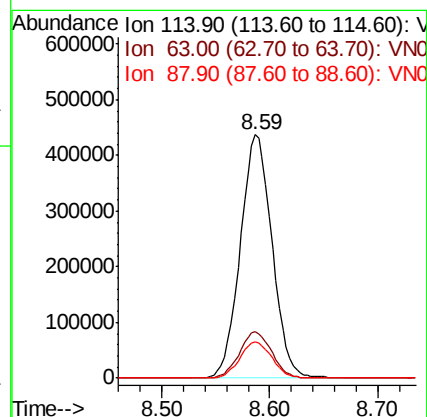
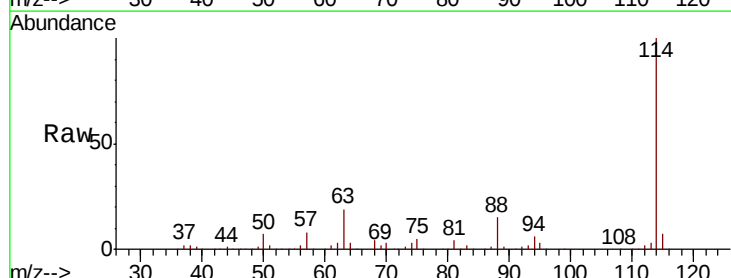
Tgt Ion: 114 Resp: 896444

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.6

88 14.7 0.0 30.6





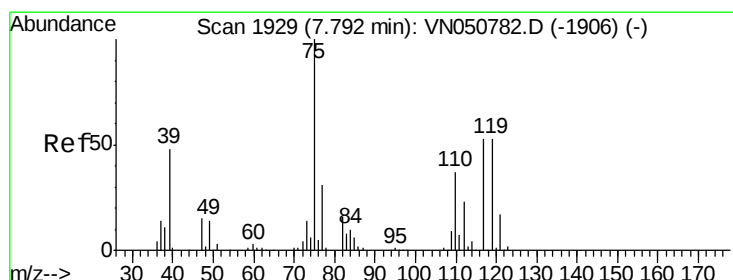
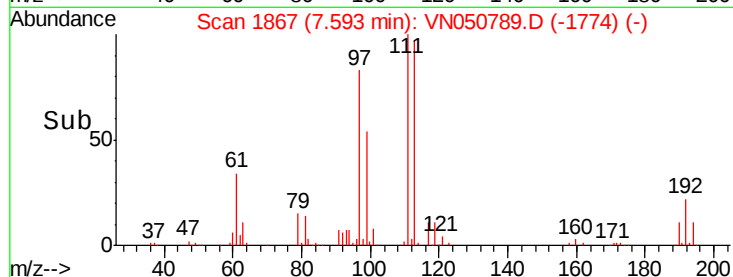
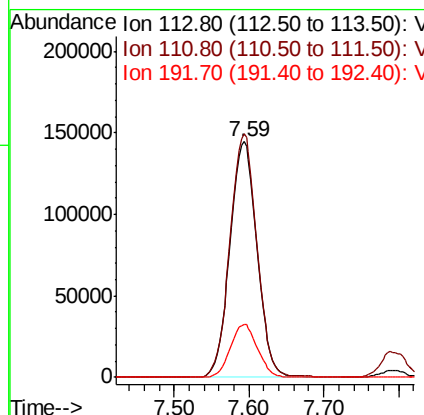
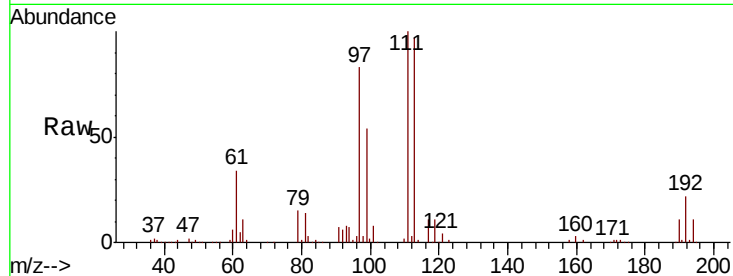
#35
 Dibromofluoromethane
 Concen: 51.09 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	82.6	123.8	
192	22.4	18.0	27.0	

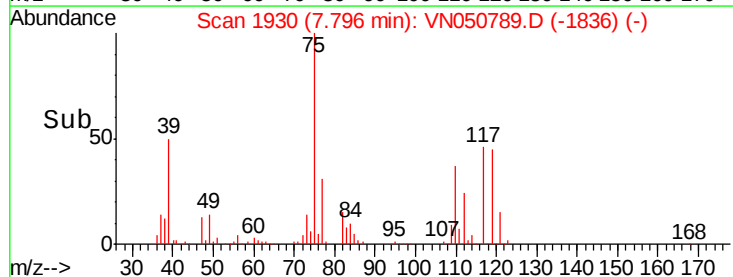
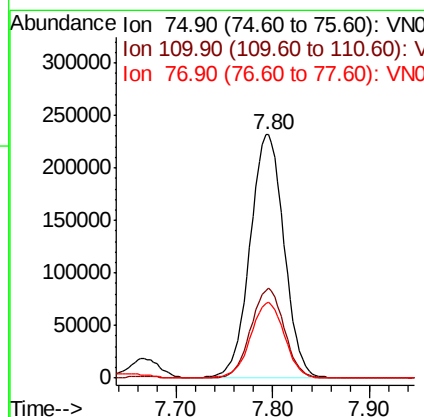
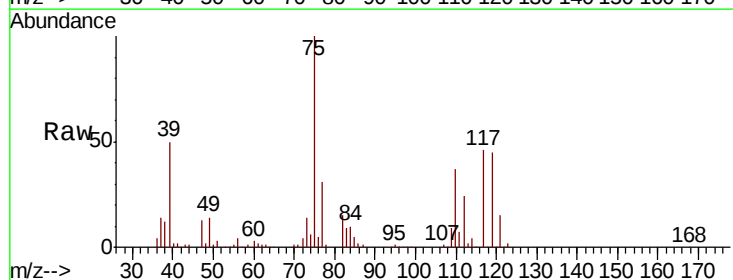
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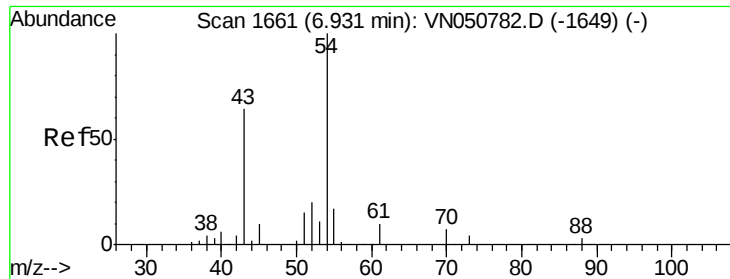
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#36
 1,1-Dichloropropene
 Concen: 53.24 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.3	18.1	54.4	
77	31.2	24.8	37.2	





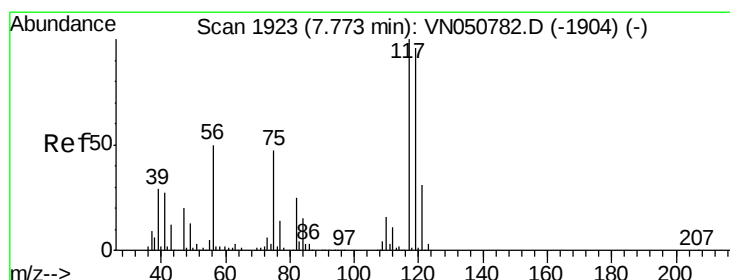
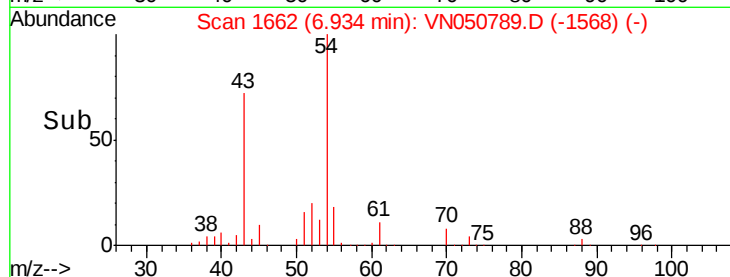
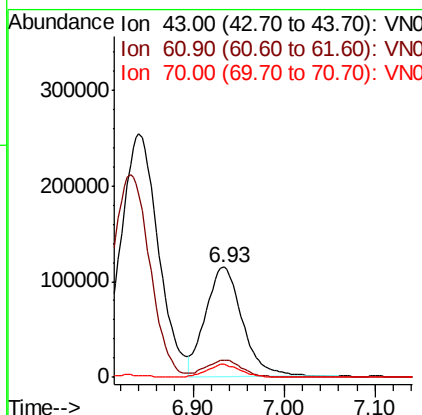
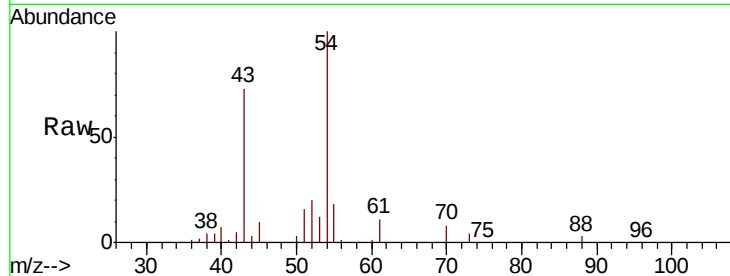
#37
Ethyl Acetate
Concen: 53.14 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.0	18.0
70	10.9	8.6	13.0

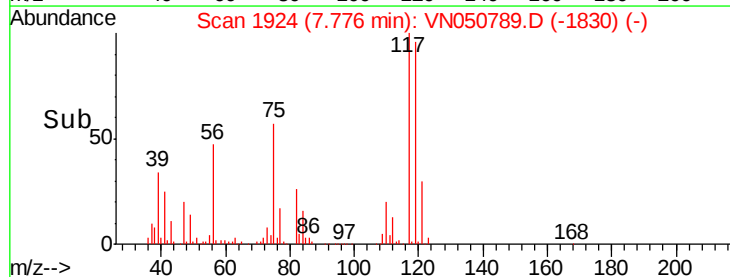
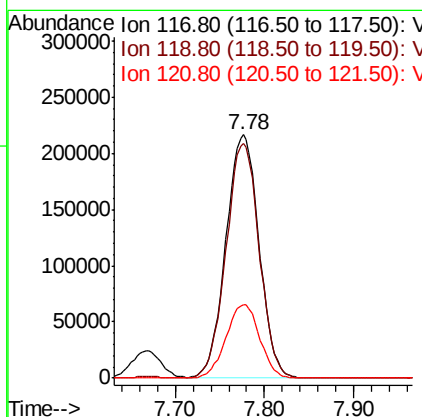
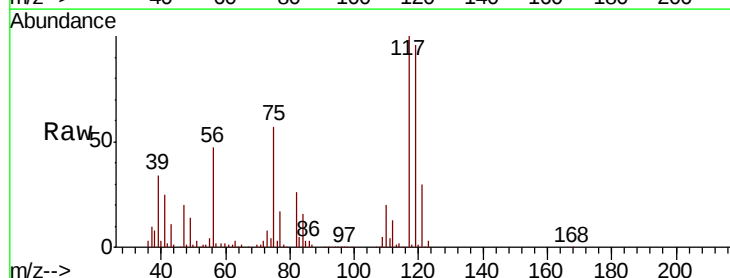
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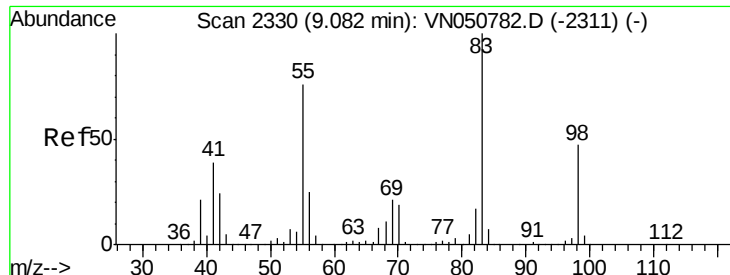
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#38
Carbon Tetrachloride
Concen: 52.10 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.3	114.5
121	30.4	24.6	36.8





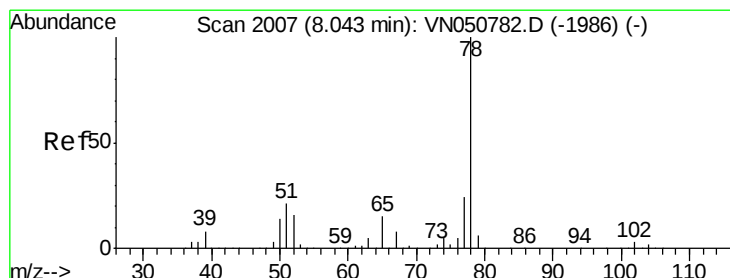
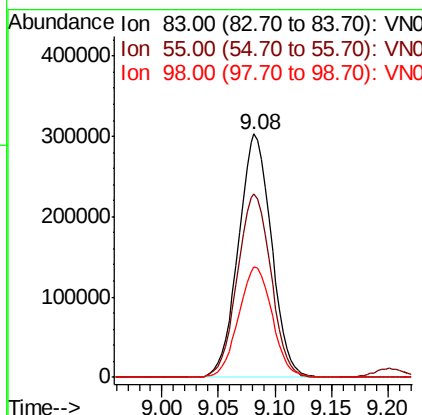
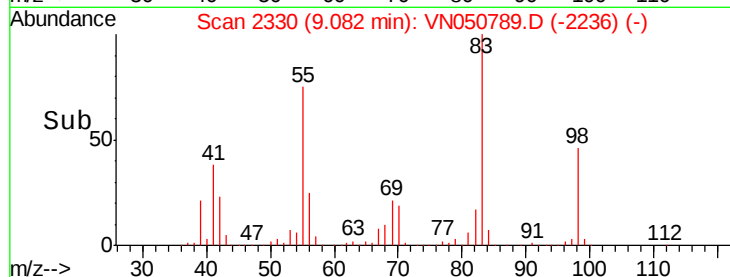
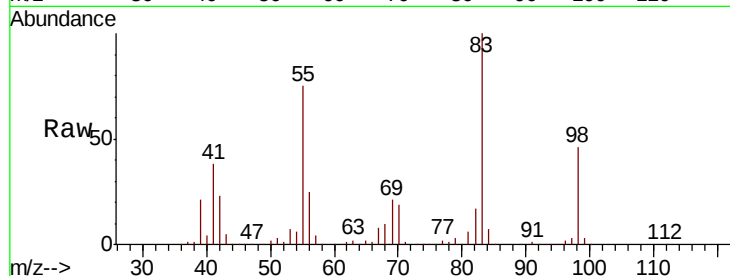
#39
Methvlcvclohexane
Concen: 53.89 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	61.0	91.4
98	45.5	37.5	56.3

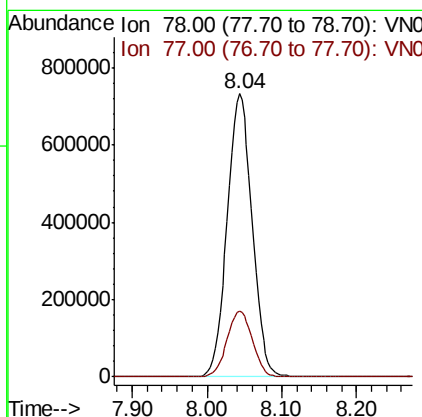
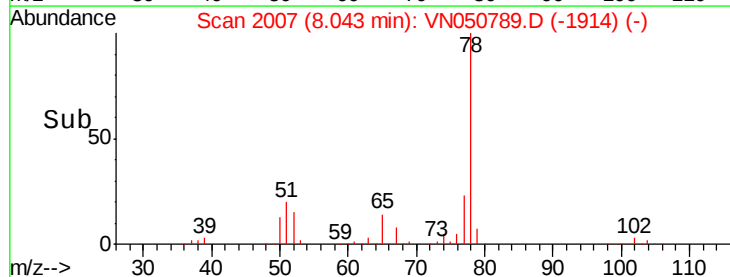
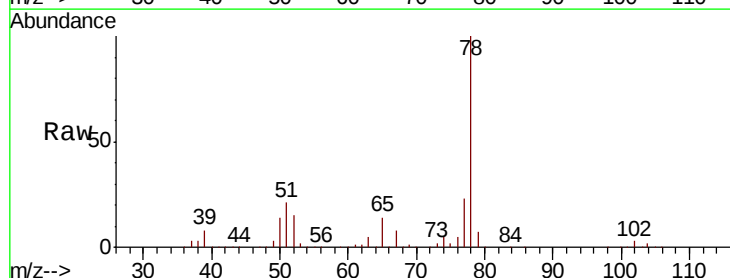
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#40
Benzene
Concen: 53.11 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





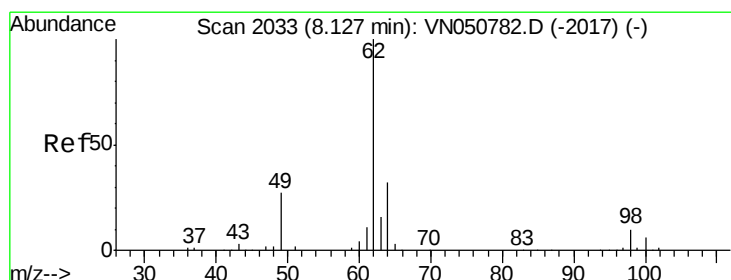
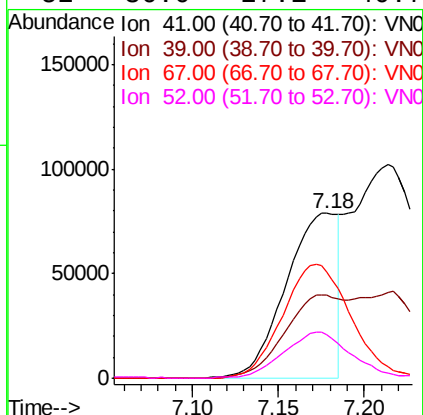
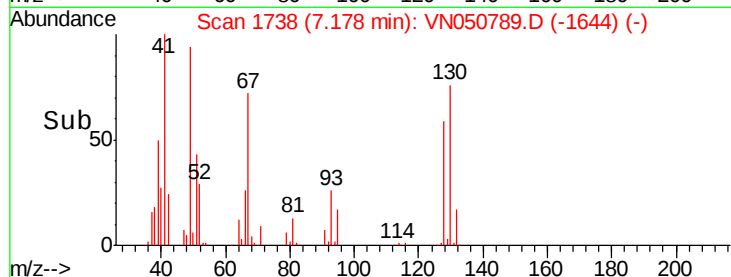
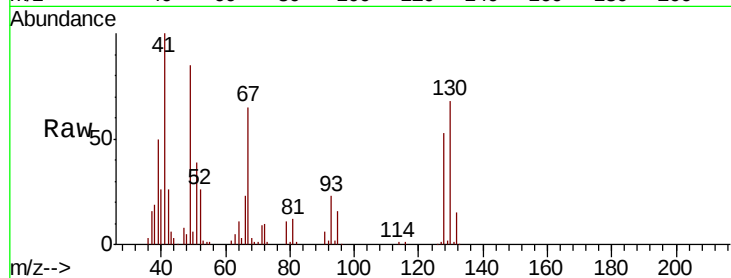
#41
Methacrylonitrile
Concen: 50.16 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.6	45.4	68.0	
67	92.4	70.6	106.0	
52	36.0	27.1	40.7	

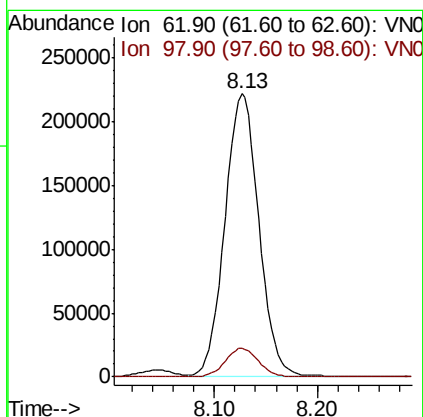
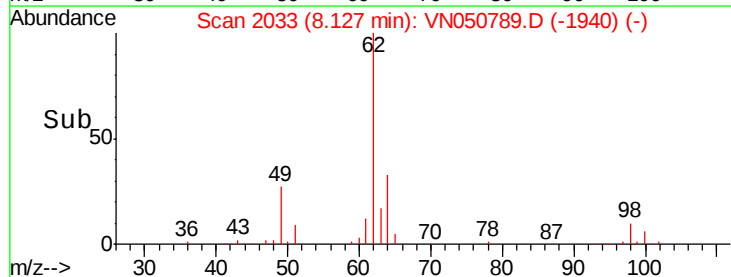
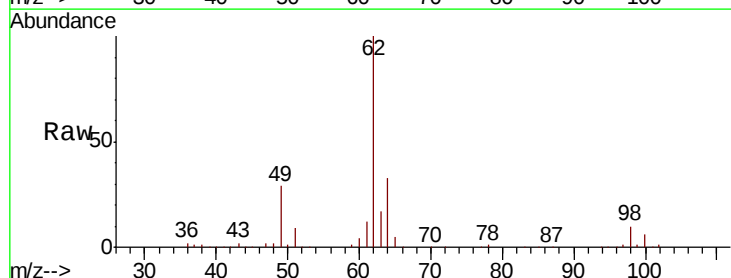
Manual Integrations
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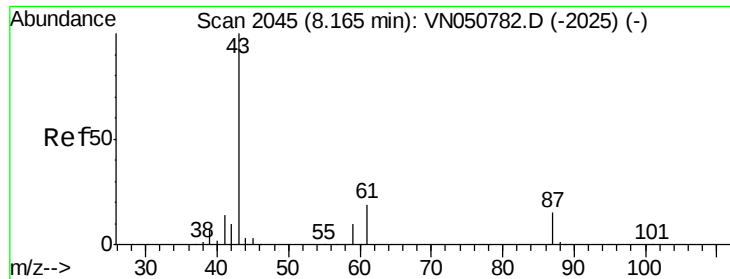
MMDadoda
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#42
1,2-Dichloroethane
Concen: 53.21 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	19.6	





#43

Isopropyl Acetate

Concen: 54.36 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

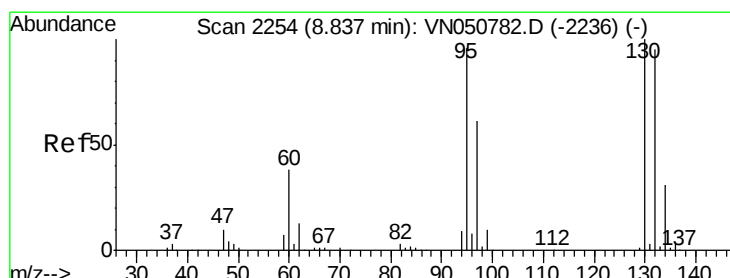
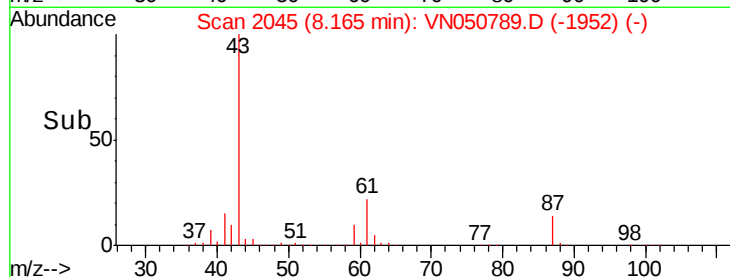
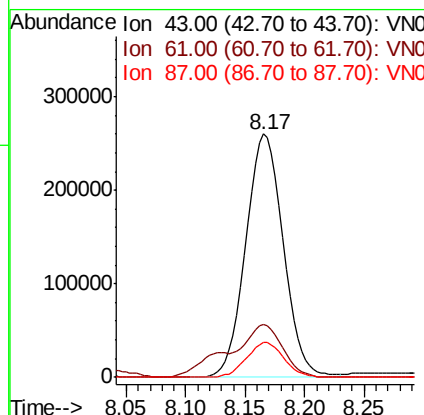
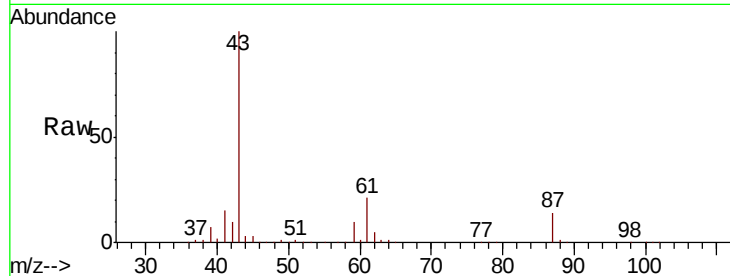
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	567949
Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.5	26.3
87	14.3	11.3	16.9

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#44

Trichloroethene

Concen: 51.89 ug/l

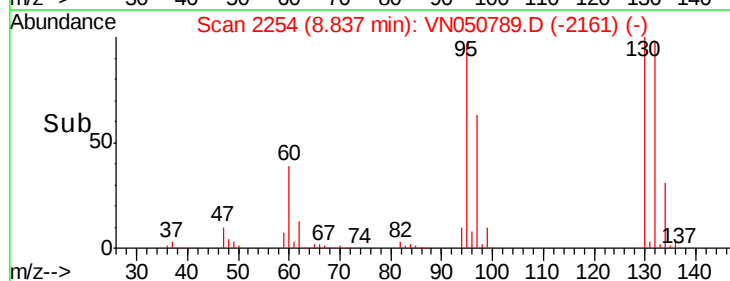
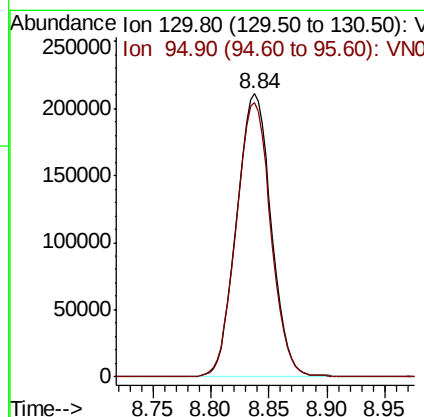
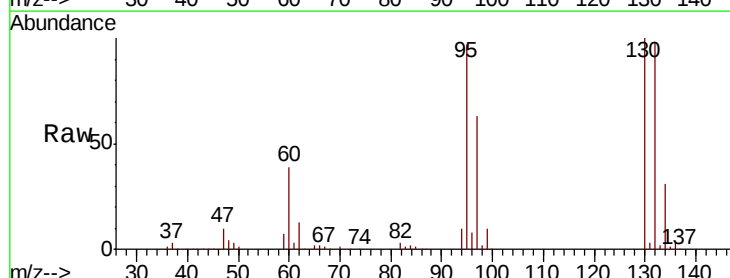
RT: 8.84 min Scan# 2254

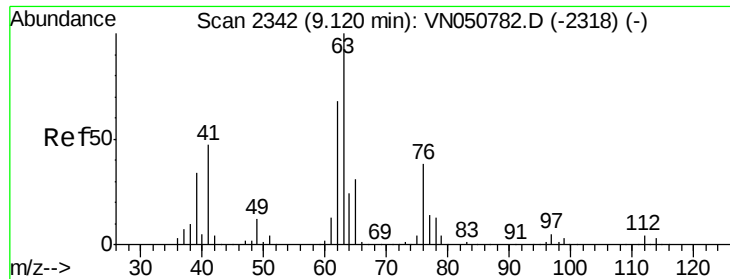
Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Tgt Ion:	130	Resp:	436527
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	193.0





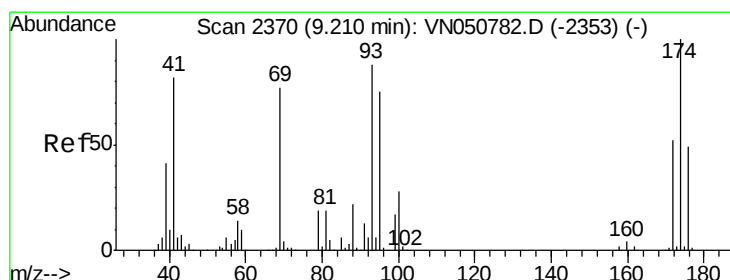
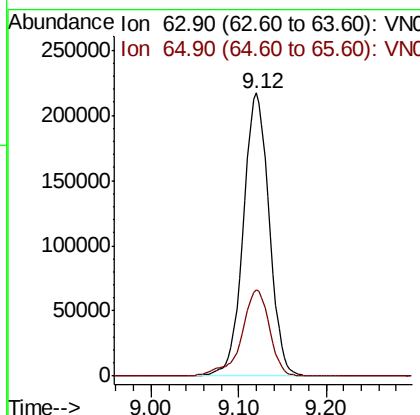
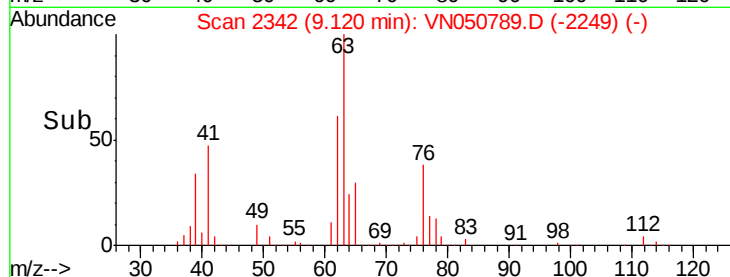
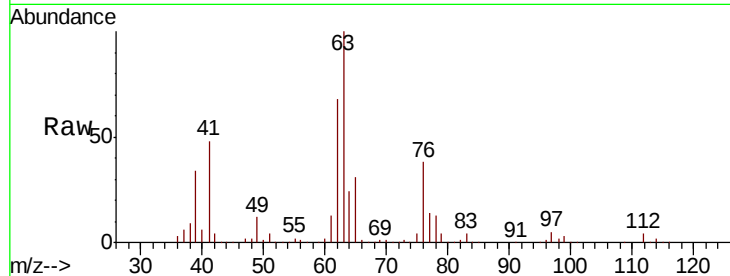
#45
 1,2-Dichloropropane
 Concen: 53.08 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 445021
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6

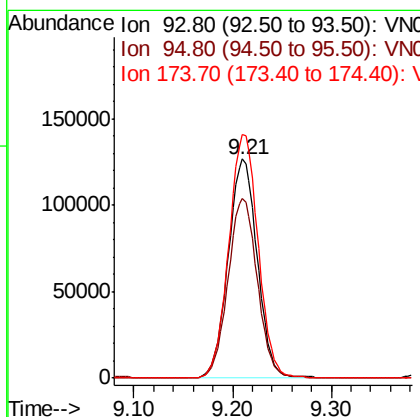
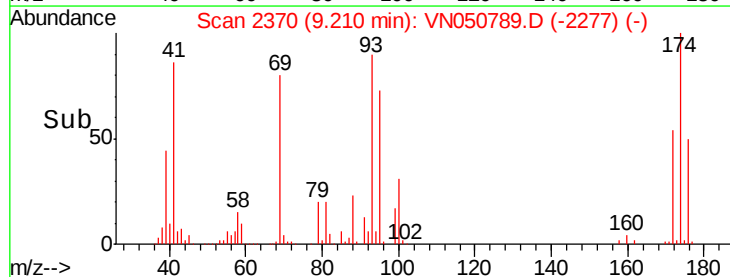
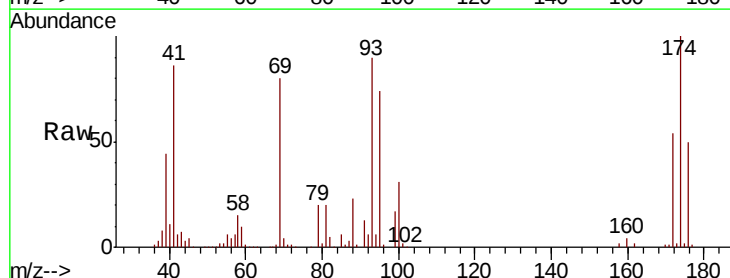
Manual Integrations
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 8/22/2018 11:19:15 AM



#46
 Dibromomethane
 Concen: 53.08 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion: 93 Resp: 261481
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.7 100.1
 174 112.0 89.8 134.6





#47

Bromodichloromethane

Concen: 53.69 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

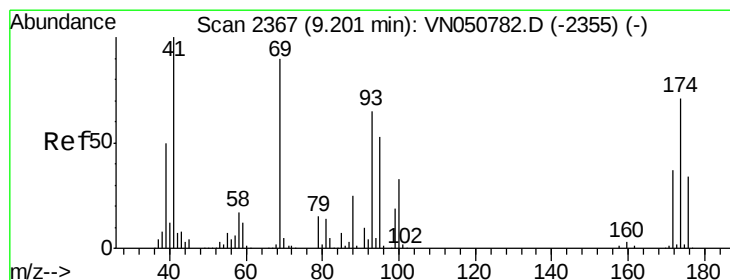
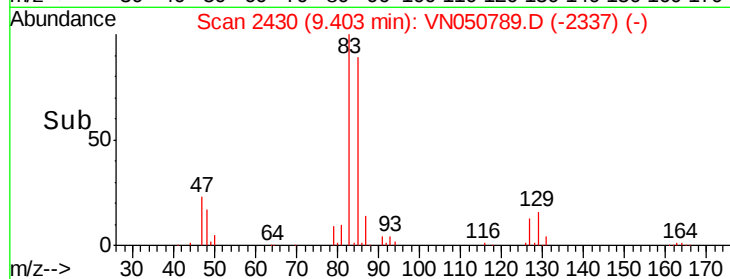
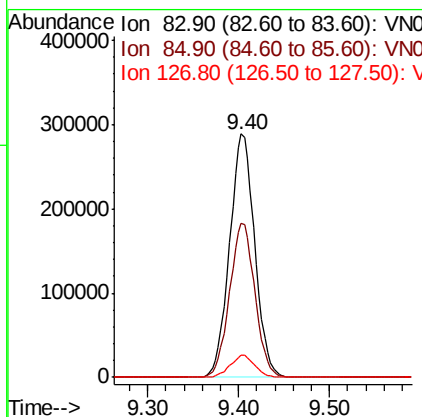
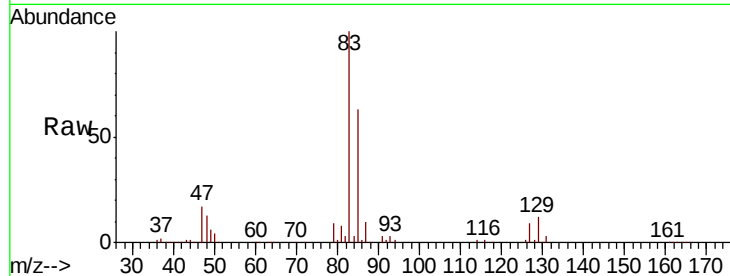
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	553965
Ion Ratio	Lower	Upper	
83	100		
85	63.3	52.6	78.8
127	9.0	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.88 ug/l

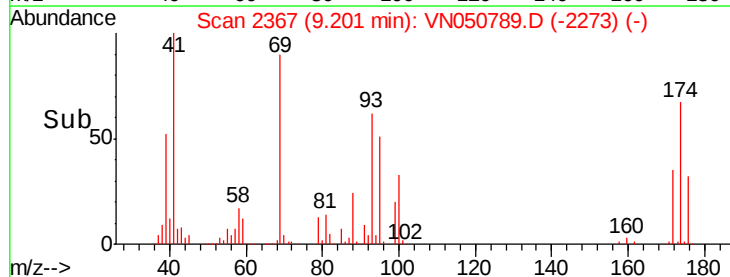
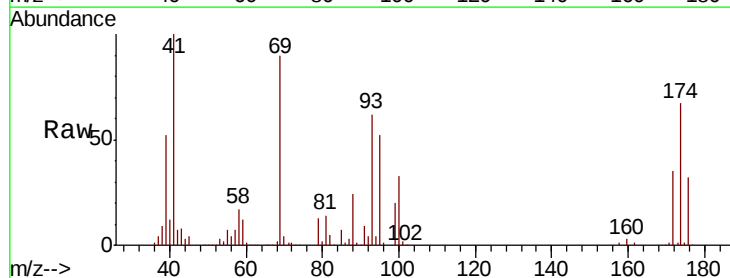
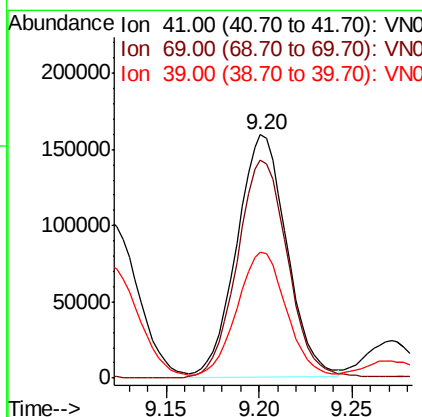
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Tgt Ion:	41	Resp:	297519
Ion Ratio	Lower	Upper	
41	100		
69	91.9	74.7	112.1
39	51.6	42.2	63.2





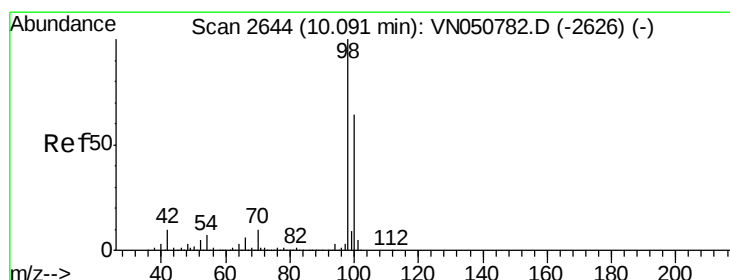
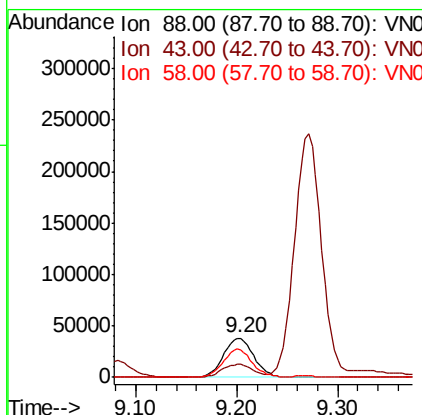
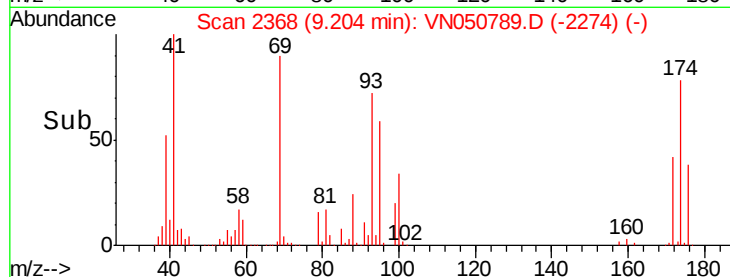
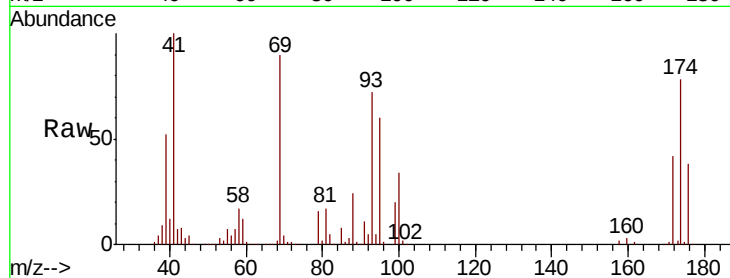
#49
1,4-Dioxane
Concen: 1111.14 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	80655
Ion	Ratio	Lower	Upper
88	100		
43	32.7	25.9	38.9
58	68.3	55.0	82.4

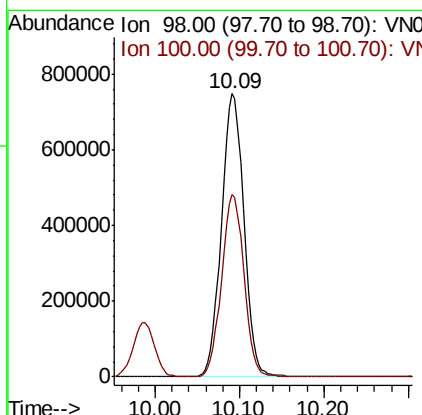
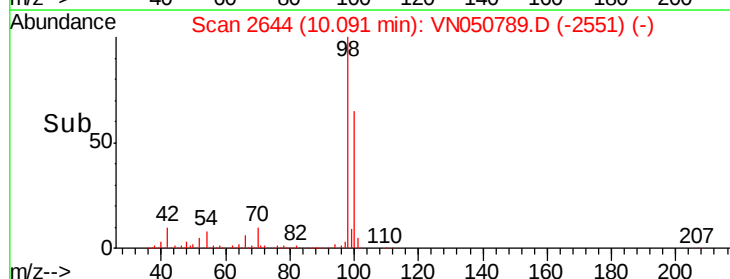
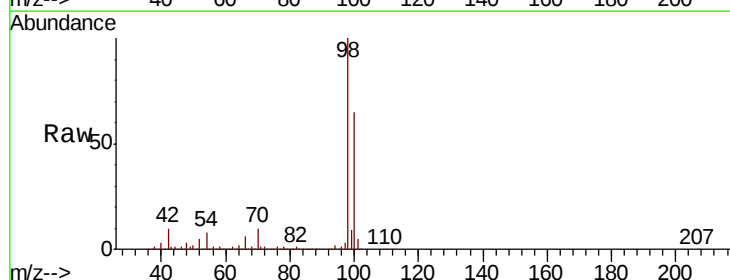
Manual Integrations
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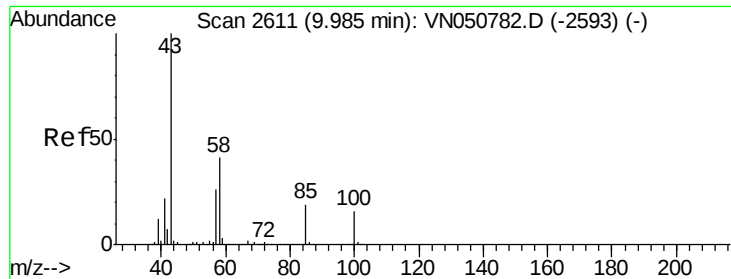
MMDadoda
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#50
Toluene-d8
Concen: 51.92 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion	98	Resp	1384364
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 261.58 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1630895

Ion Ratio Lower Upper

43 100

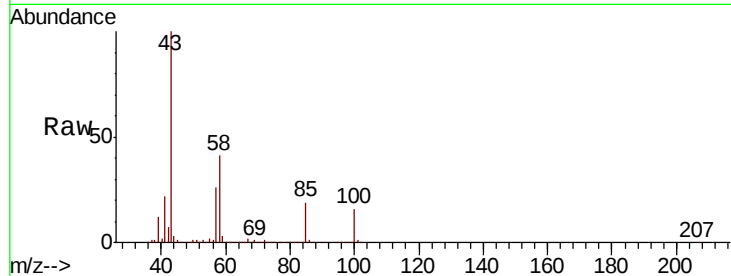
58 40.8 32.4 48.6

Manual Integrations

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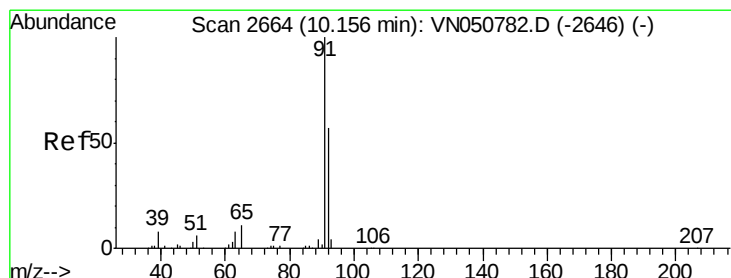
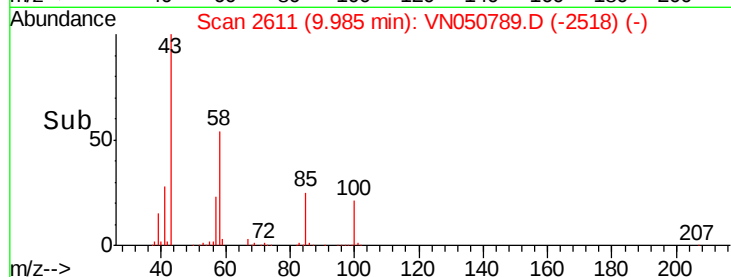
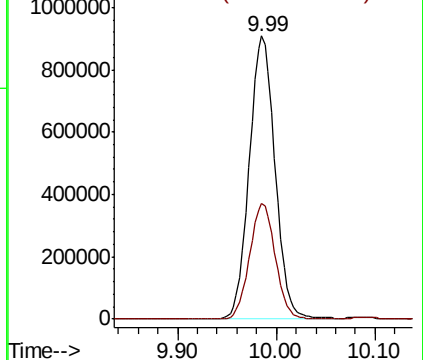
MMDadoda

8/22/2018 11:19:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 55.73 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050789.D

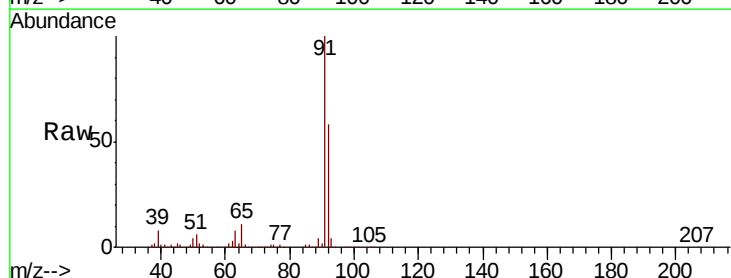
Acq: 21 Aug 2018 18:30

Tgt Ion: 92 Resp: 1053099

Ion Ratio Lower Upper

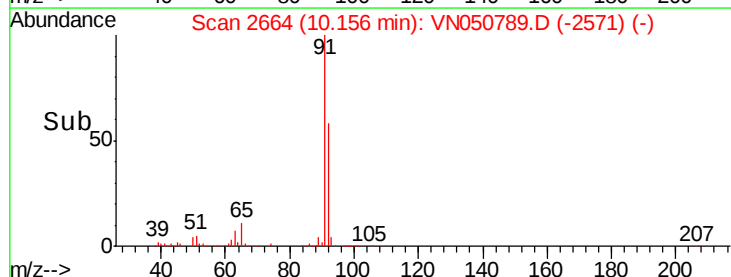
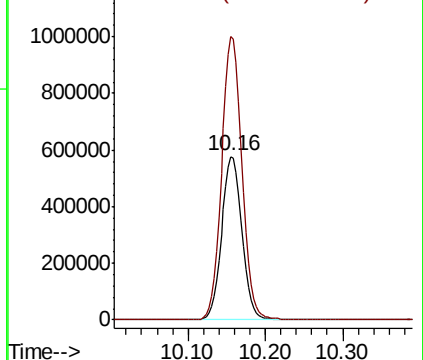
92 100

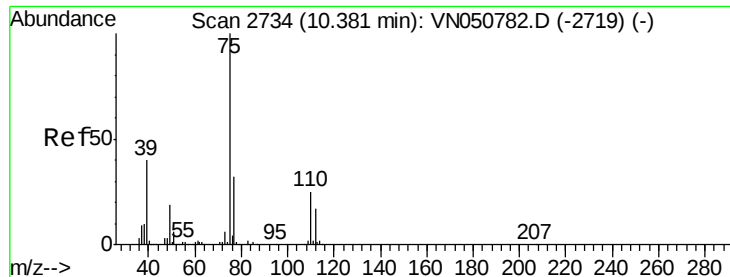
91 173.7 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 53.35 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 547858

Ion Ratio Lower Upper

75 100

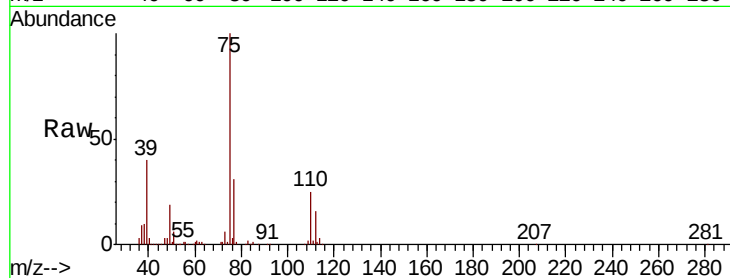
77 31.3 25.7 38.5

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

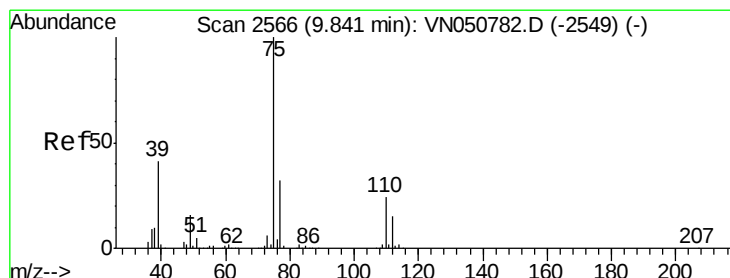
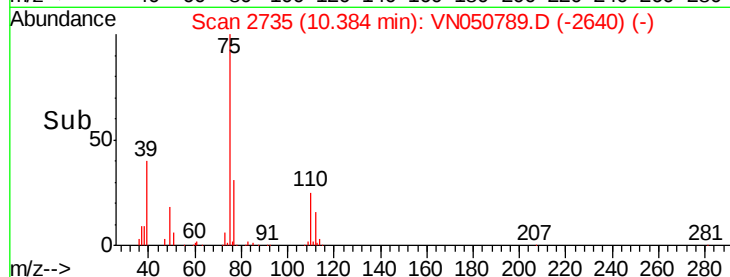
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.66 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

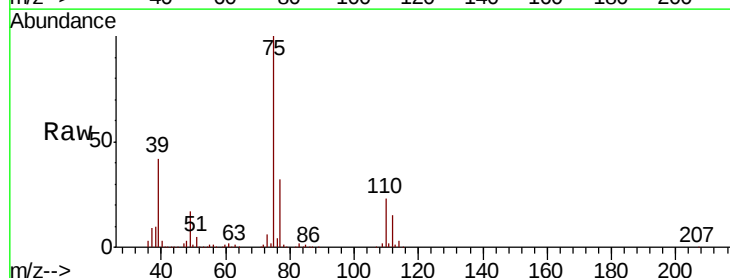
Tgt Ion: 75 Resp: 642793

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

39 41.9 33.0 49.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

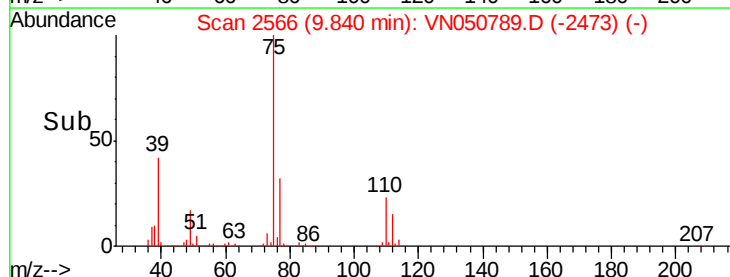
300000

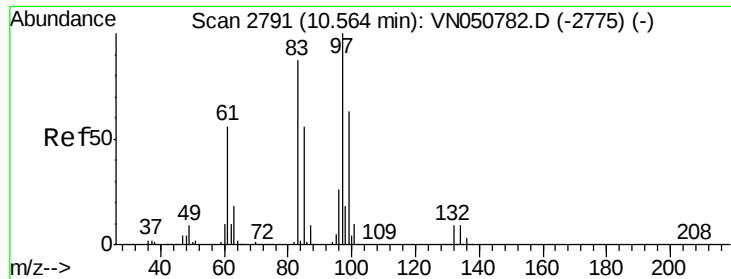
200000

100000

0

Time-->





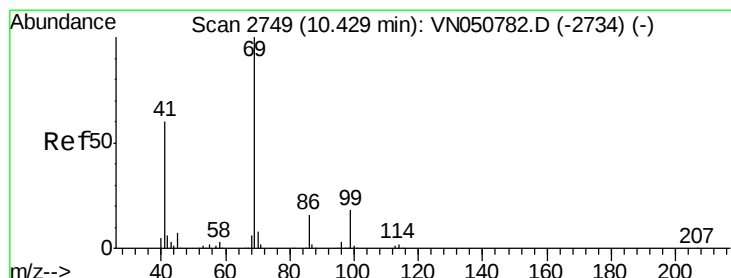
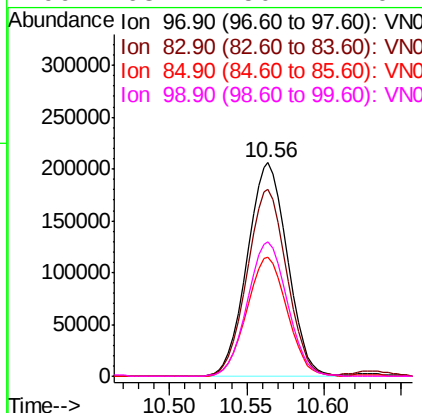
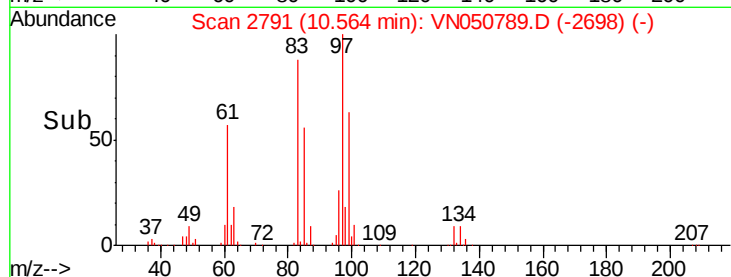
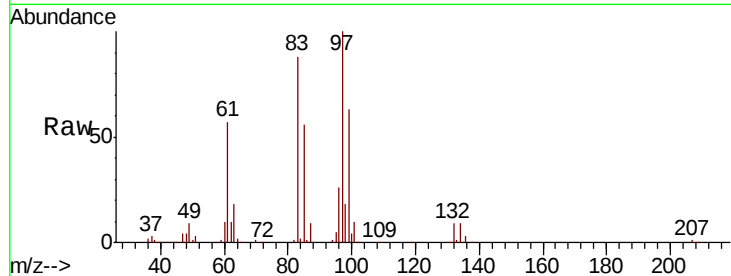
#55
 1,1,2-Trichloroethane
 Concen: 53.20 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	373093
Ion	Ratio	Lower	Upper
97	100		
83	87.7	69.7	104.5
85	56.0	44.5	66.7
99	63.1	50.7	76.1

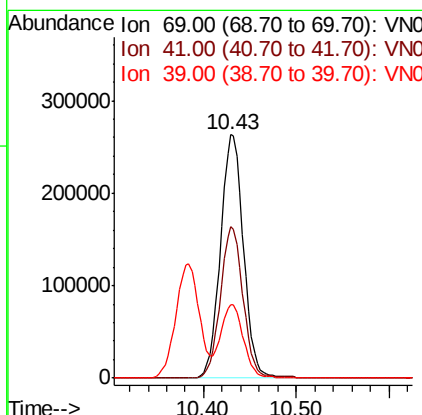
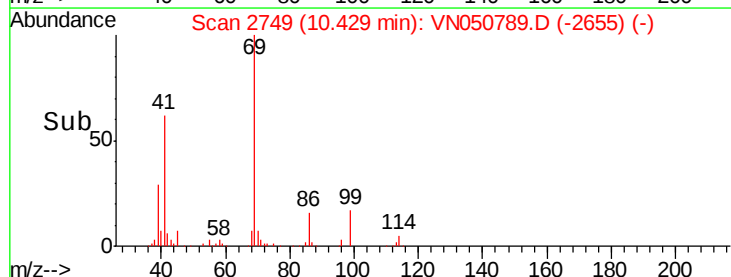
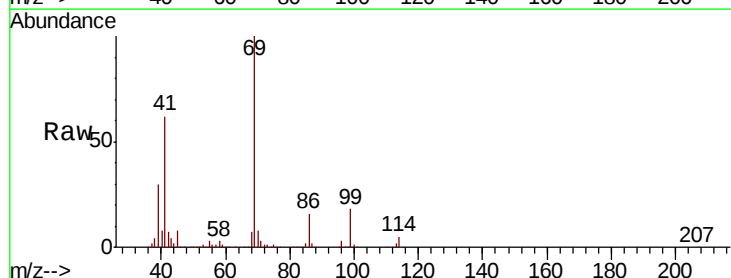
Manual Integrations
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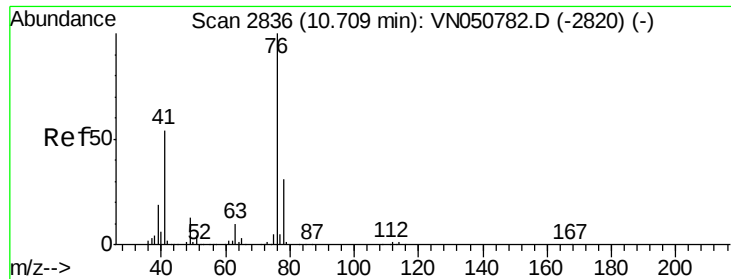
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#56
 Ethyl methacrylate
 Concen: 49.59 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion:	69	Resp:	452240
Ion	Ratio	Lower	Upper
69	100		
41	61.0	48.3	72.5
39	29.4	24.0	36.0





#57

1,3-Dichloropropane

Concen: 54.00 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 625138

Ion Ratio Lower Upper

76 100

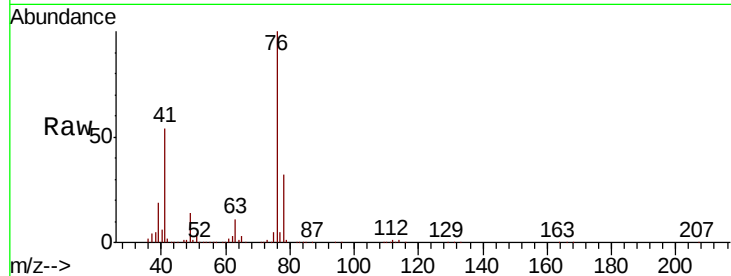
78 32.0 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

400000

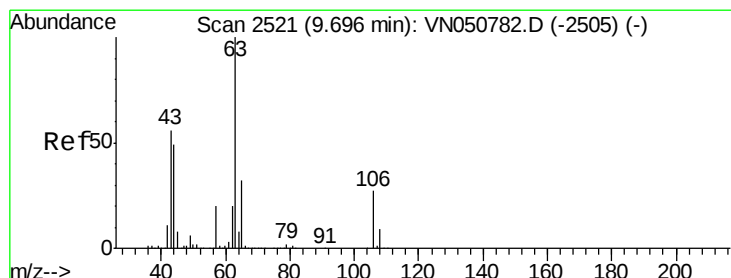
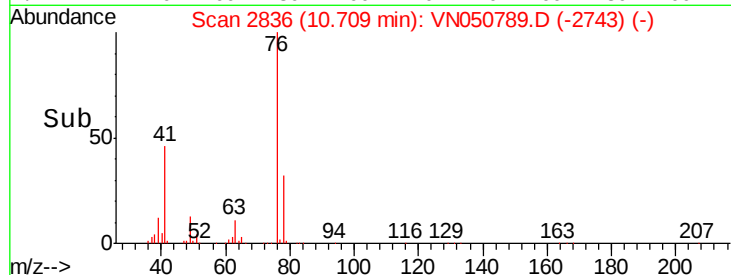
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 247.90 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050789.D

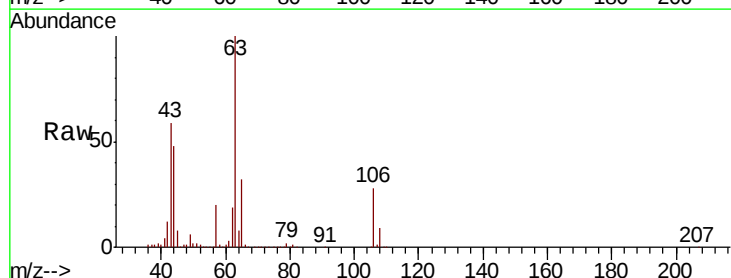
Acq: 21 Aug 2018 18:30

Tgt Ion: 63 Resp: 986519

Ion Ratio Lower Upper

63 100

106 27.7 21.9 32.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

600000

500000

400000

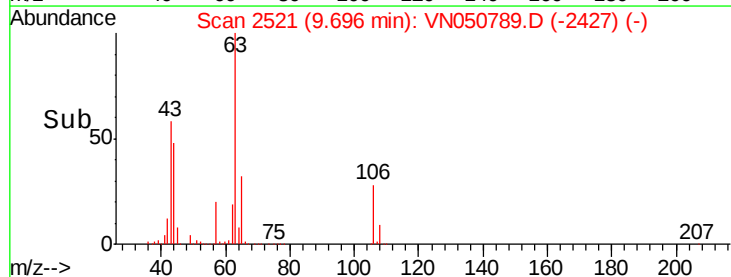
300000

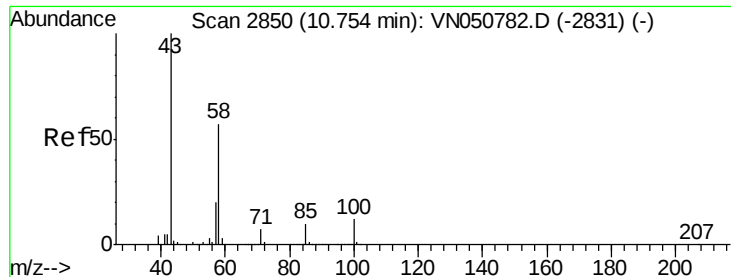
200000

100000

0

Time-->





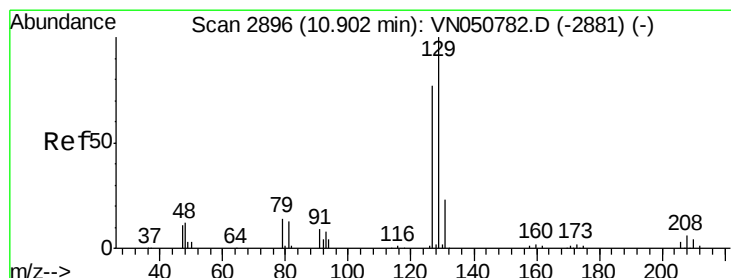
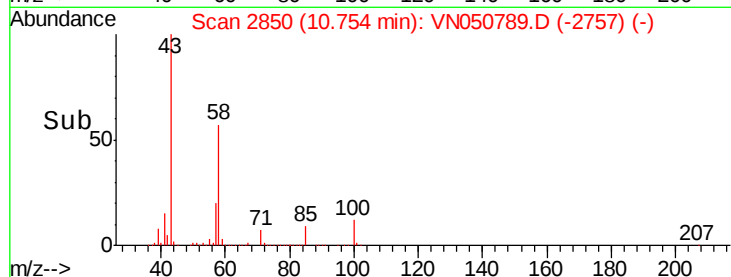
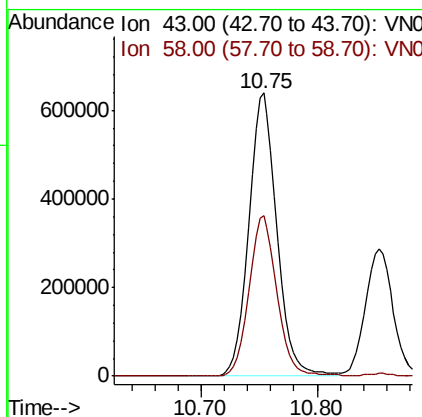
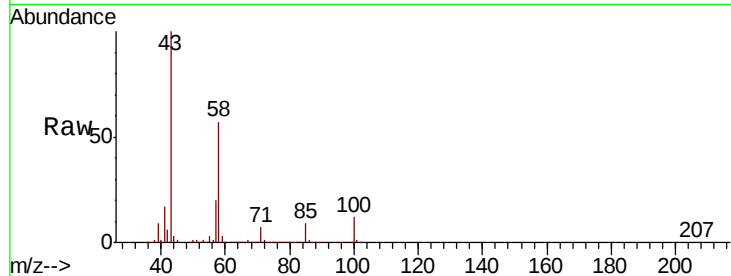
#59
2-Hexanone
Concen: 259.60 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1077501
Ion Ratio Lower Upper
43 100
58 56.7 28.3 85.0

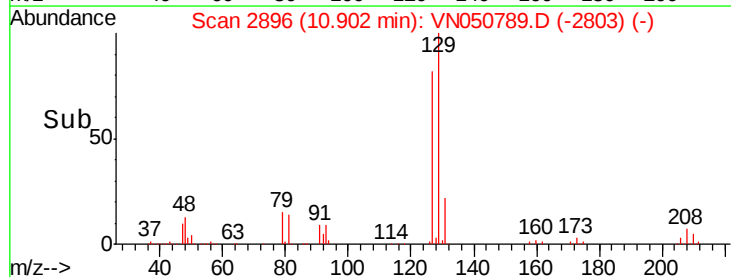
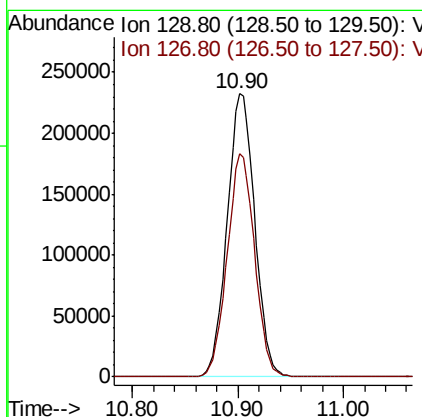
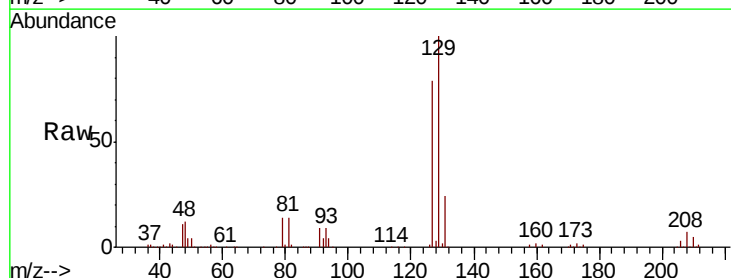
Manual Integrations
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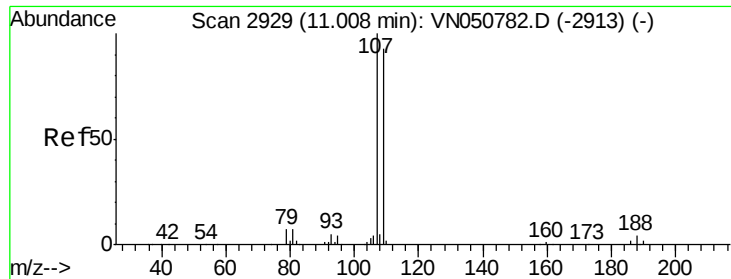
MMDadoda
8/22/2018 11:19:15 AM



#60
Dibromochloromethane
Concen: 53.54 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion: 129 Resp: 420479
Ion Ratio Lower Upper
129 100
127 78.3 38.3 114.9





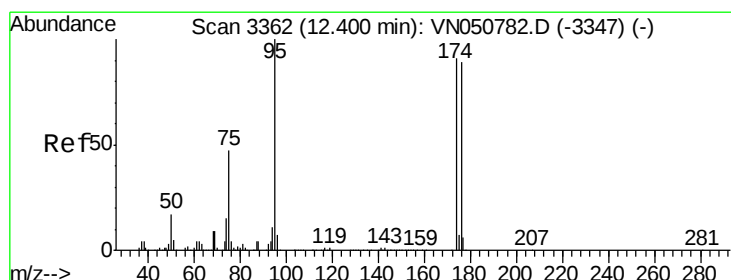
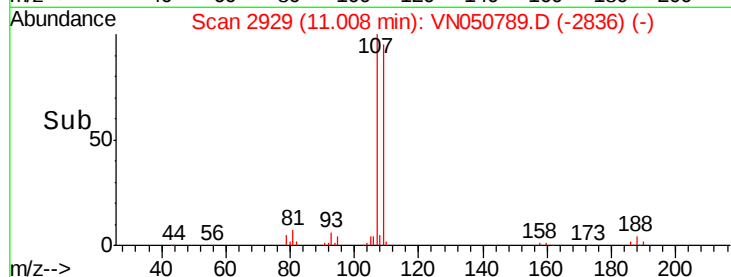
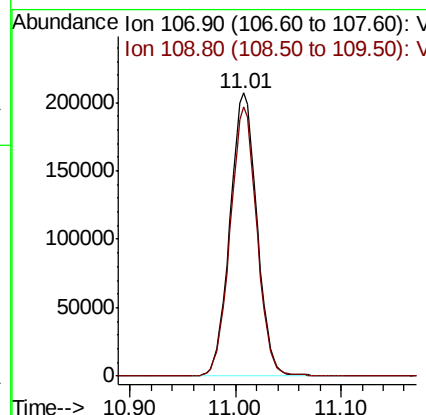
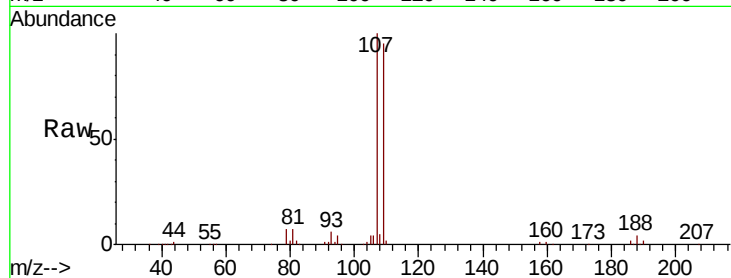
#61
 1,2-Dibromoethane
 Concen: 53.96 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.2

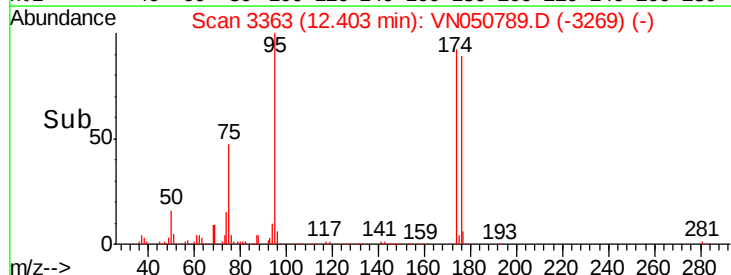
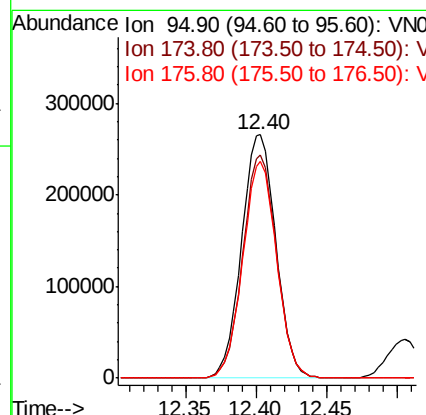
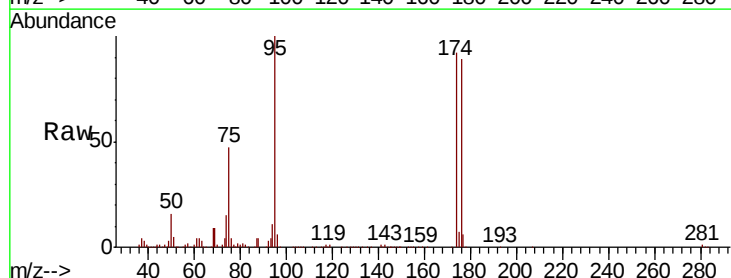
Manual Integrations
 APPROVED

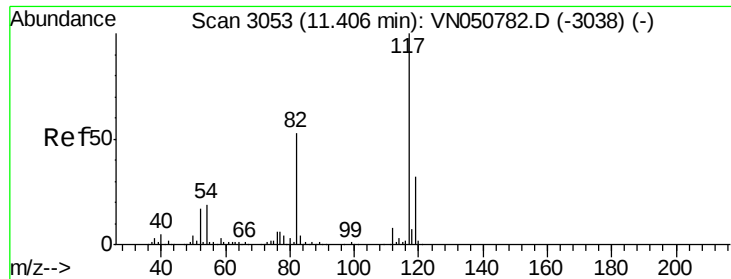
MMDadoda
 8/22/2018 11:19:15 AM



#62
 4-Bromofluorobenzene
 Concen: 51.13 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.3	0.0	183.0
176	87.8	0.0	178.8





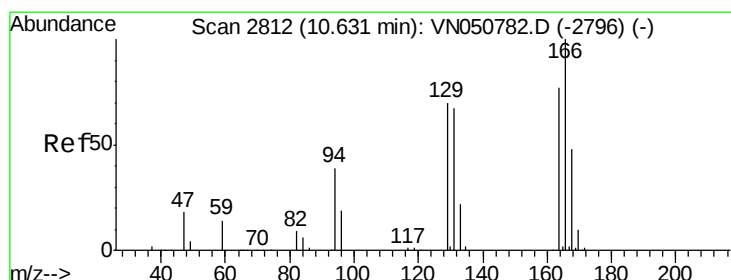
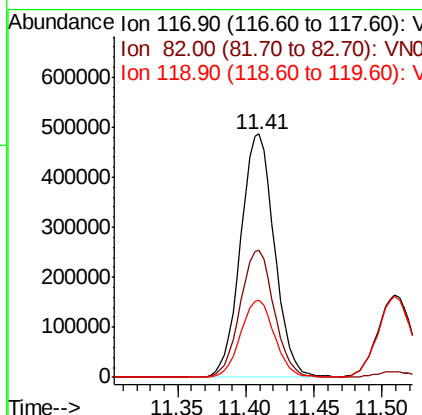
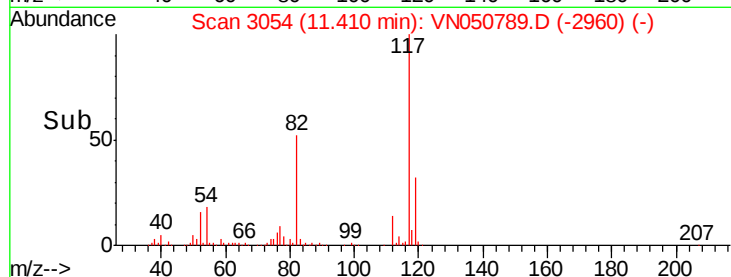
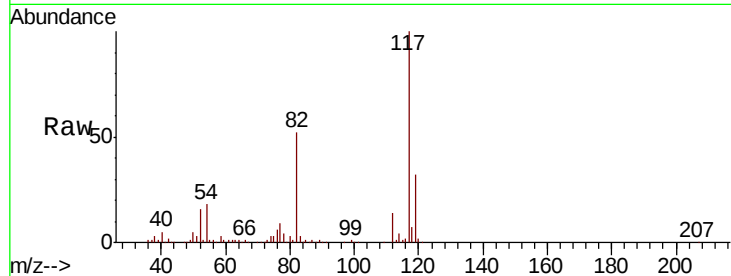
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.6	64.0
119	31.8	25.8	38.6

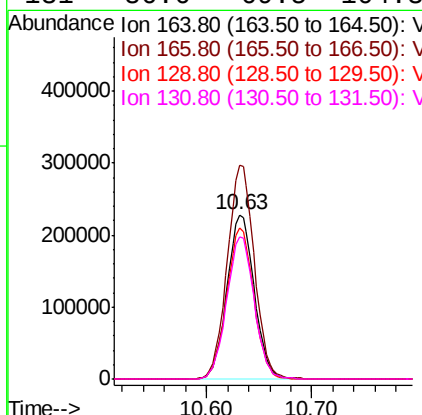
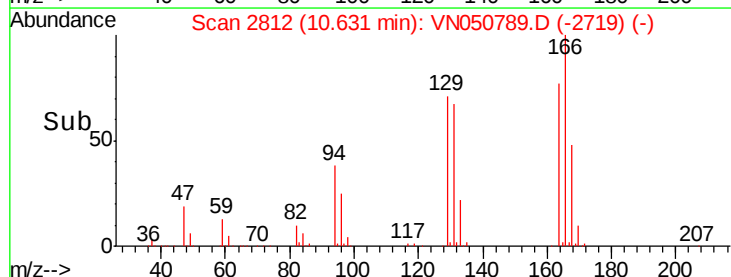
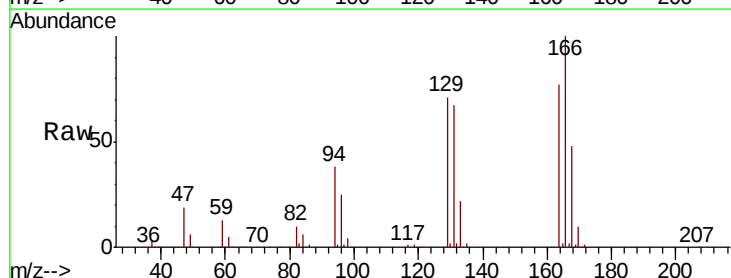
Manual Integrations
APPROVED

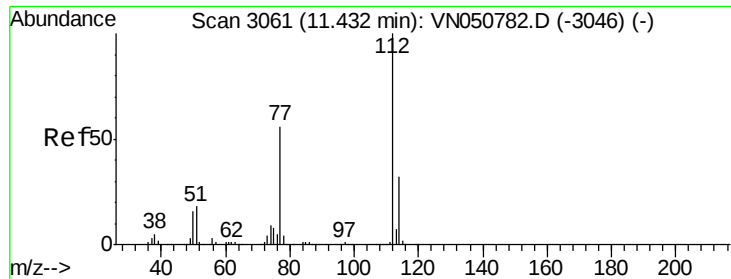
MMDadoda
8/22/2018 11:19:15 AM



#64
Tetrachloroethene
Concen: 51.18 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	103.5	155.3
129	92.1	72.7	109.1
131	86.6	69.5	104.3





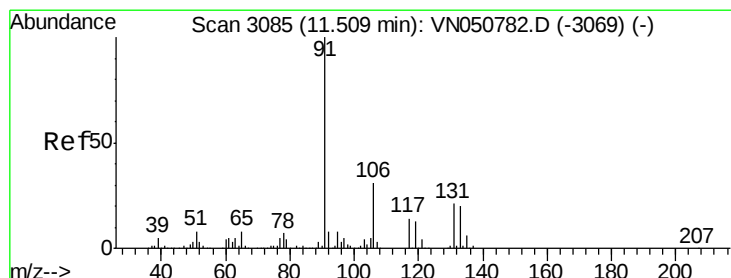
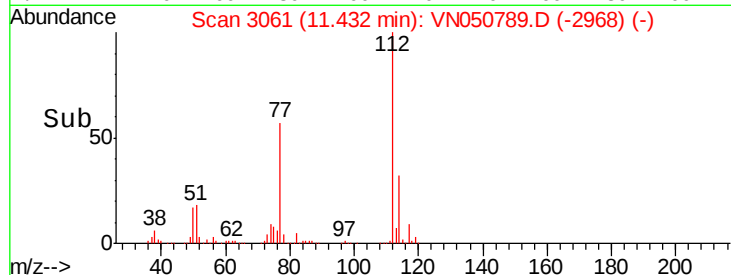
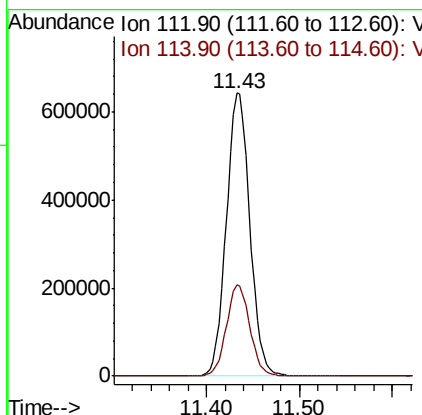
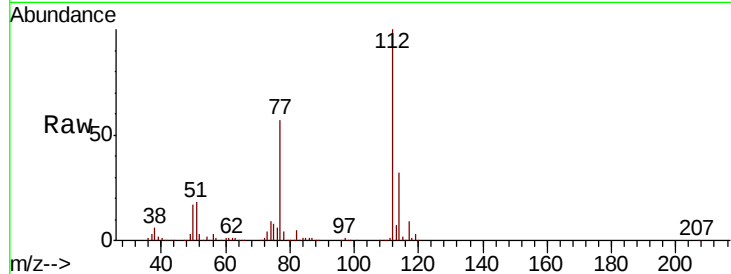
#65
Chlorobenzene
Concen: 51.50 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1127505
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4

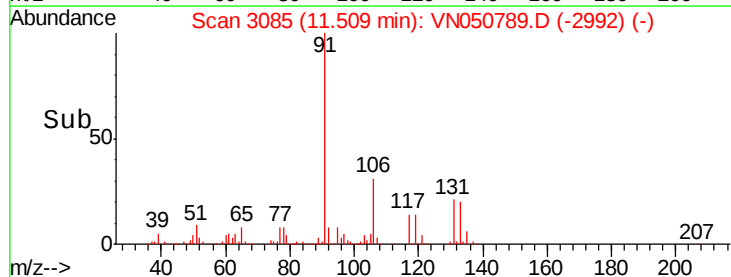
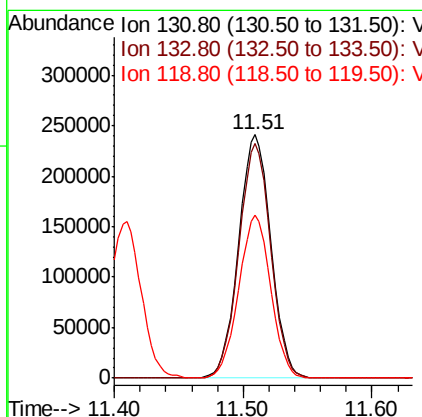
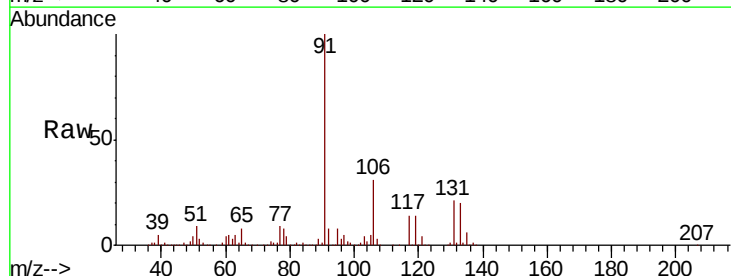
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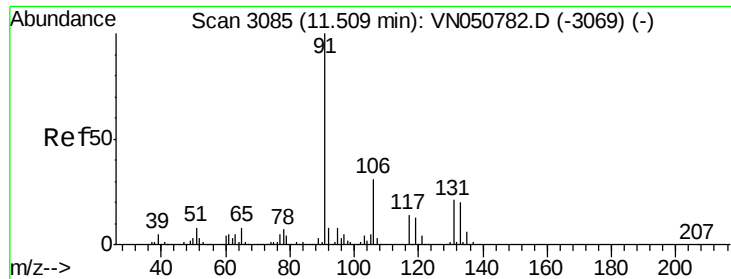
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.40 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion:131 Resp: 419721
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.3
119 66.4 32.8 98.4





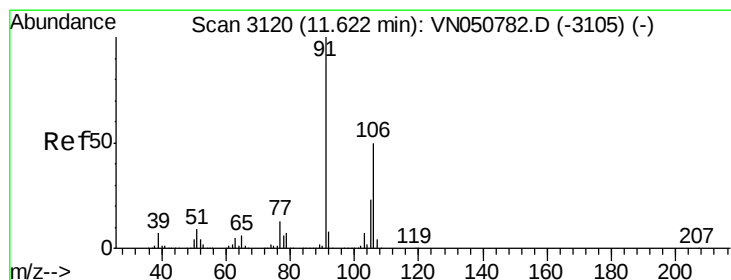
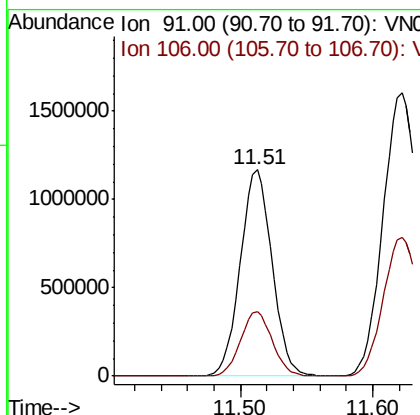
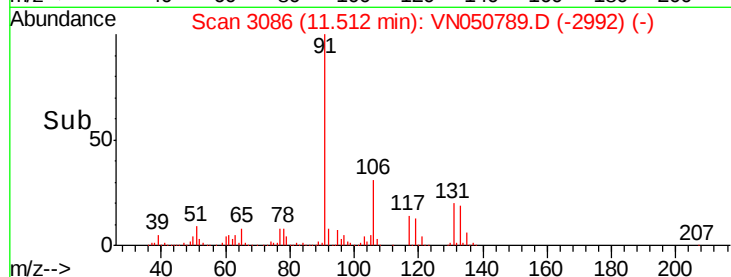
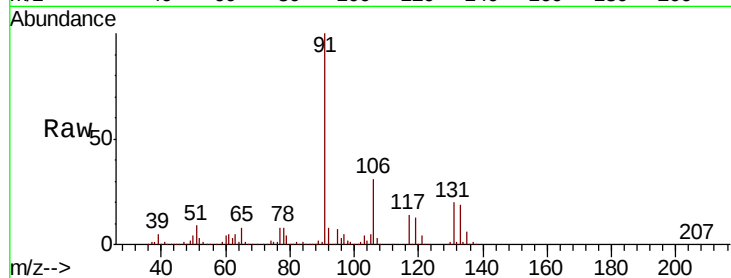
#67
Ethyl Benzene
Concen: 54.66 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1945404
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

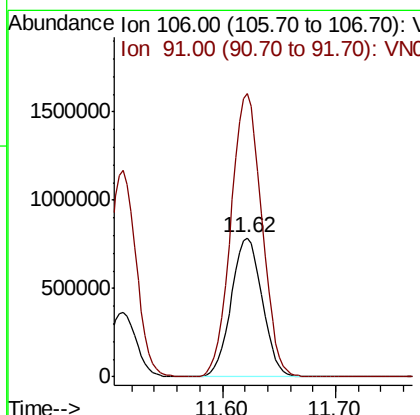
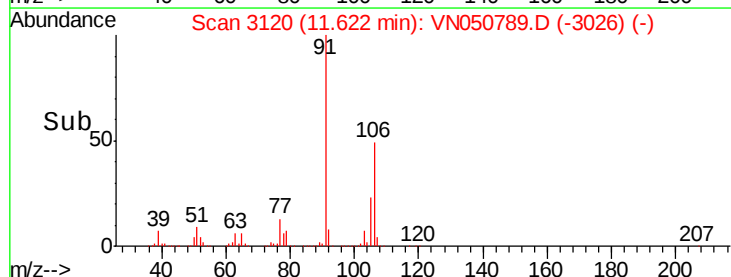
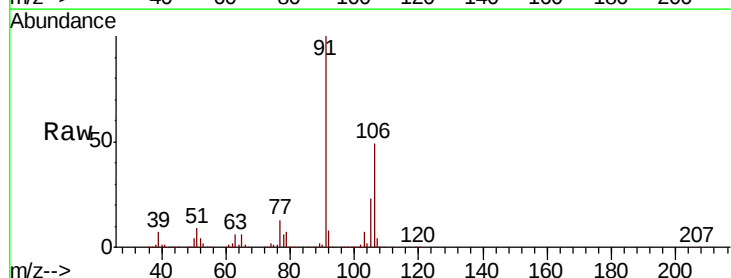
Manual Integrations
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8/22/2018 11:19:15 AM



#68
m/p-Xylenes
Concen: 111.52 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion: 106 Resp: 1506674
Ion Ratio Lower Upper
106 100
91 202.5 161.0 241.6





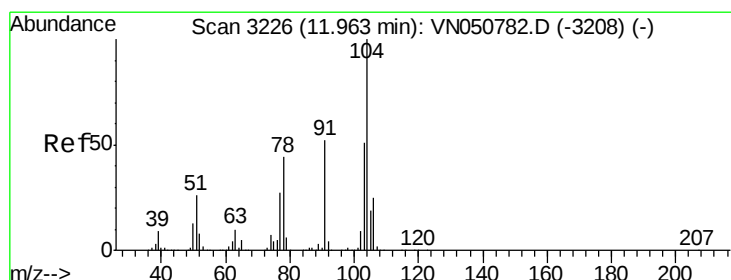
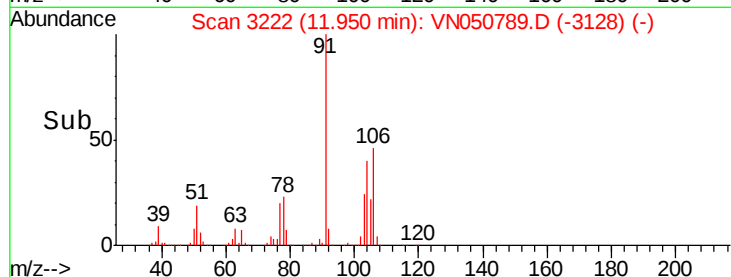
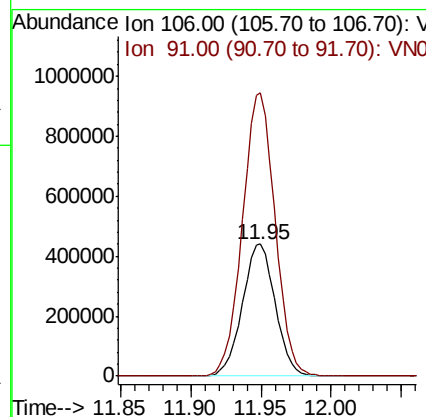
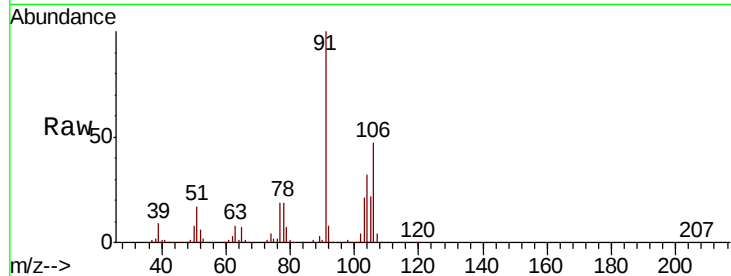
#69
o-Xylene
Concen: 55.26 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.5	106.5	319.5

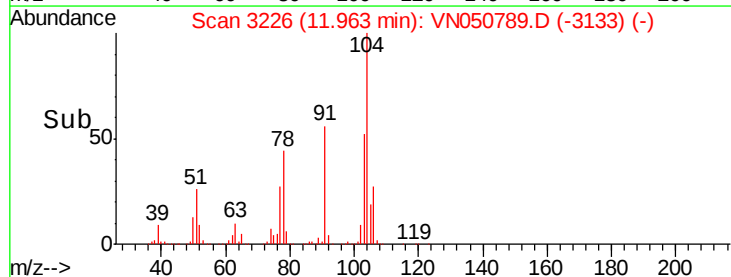
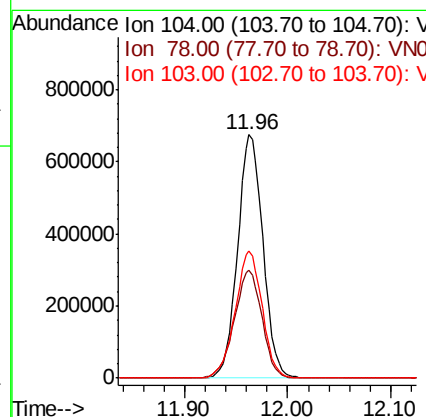
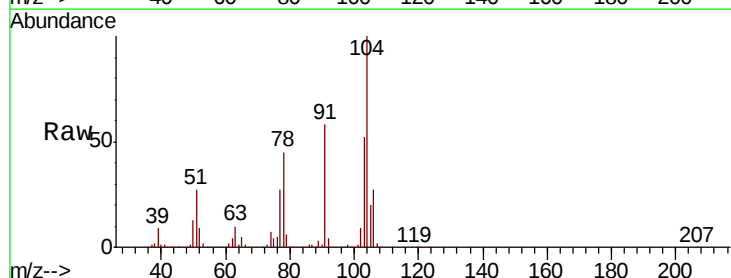
Manual Integrations
APPROVED

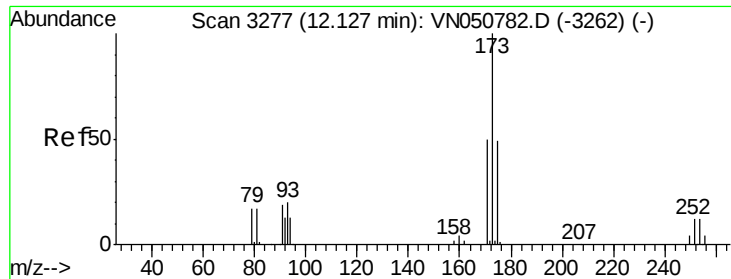
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#70
Styrene
Concen: 50.57 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.2	57.4
103	55.6	44.4	66.6





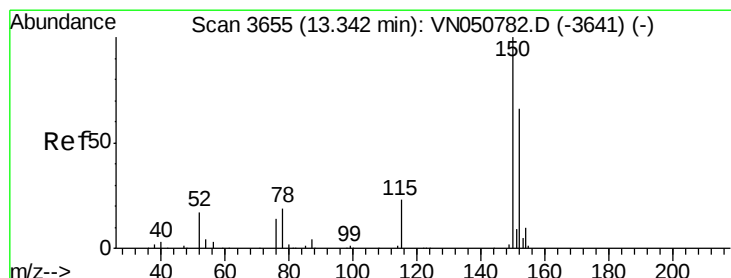
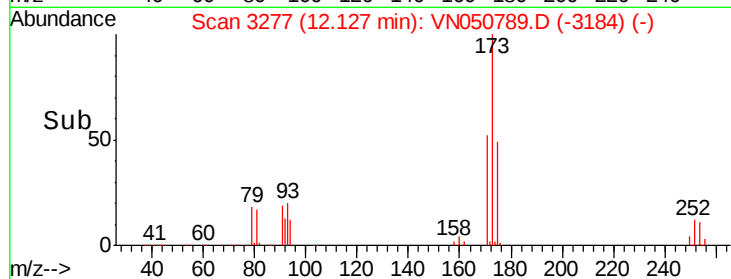
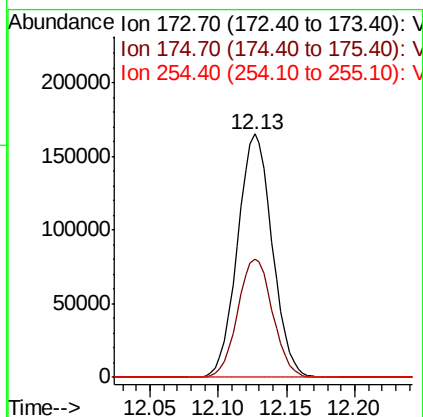
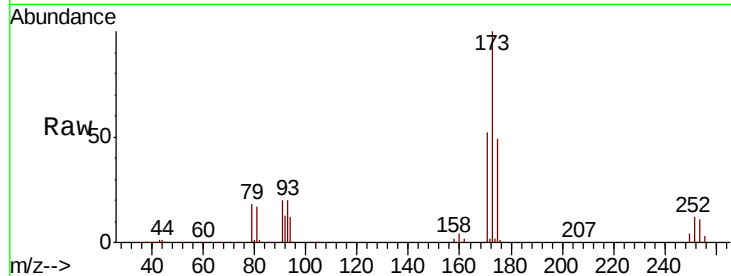
#71
Bromoform
Concen: 52.90 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.4
254	0.1	0.1	0.1

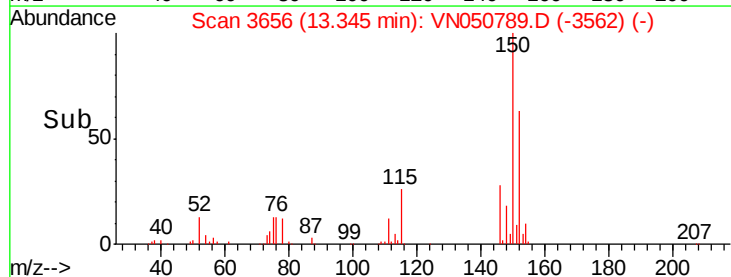
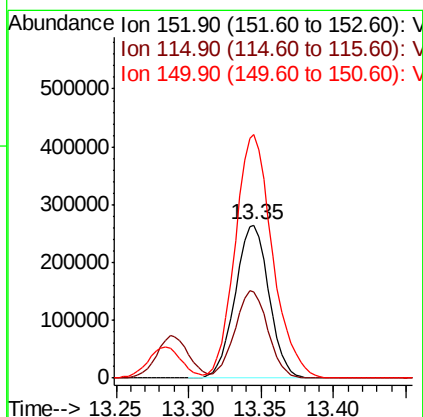
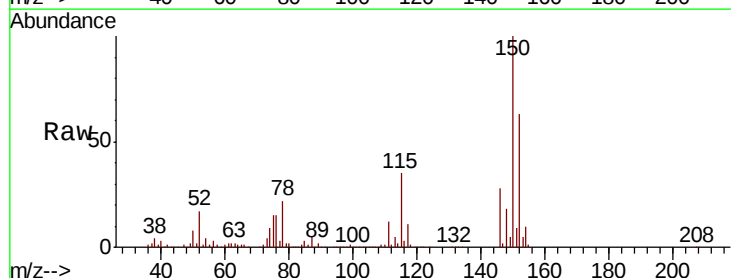
Manual Integrations
APPROVED

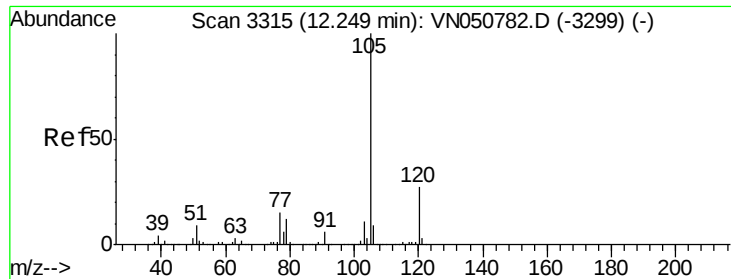
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.8	83.4
150	176.2	0.0	351.4





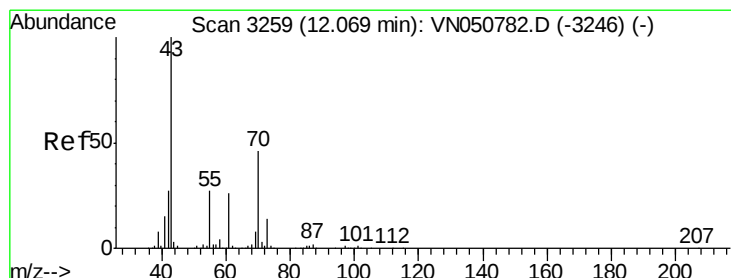
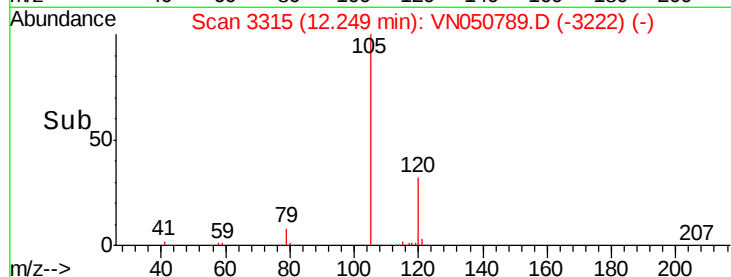
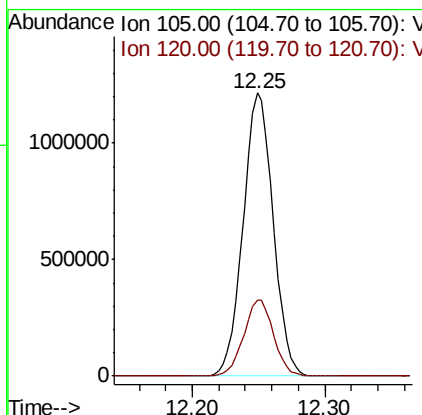
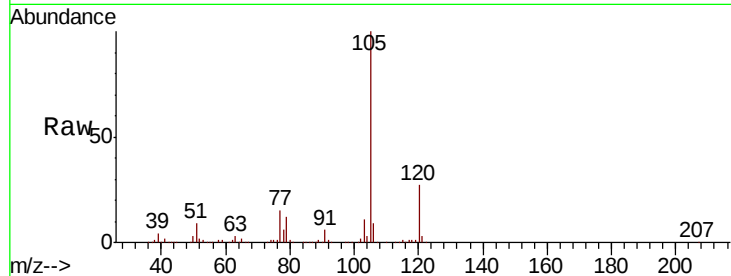
#73
Isopropylbenzene
Concen: 53.91 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1908471
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.4

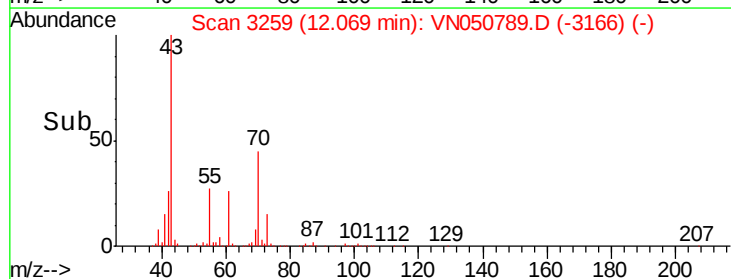
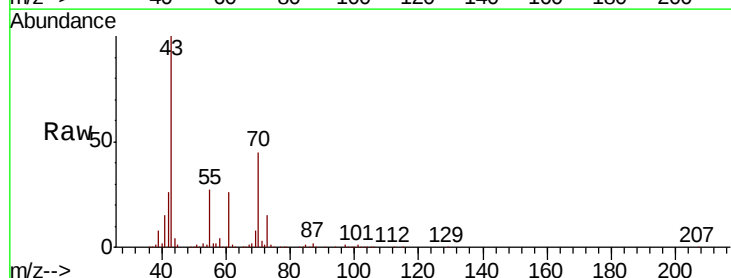
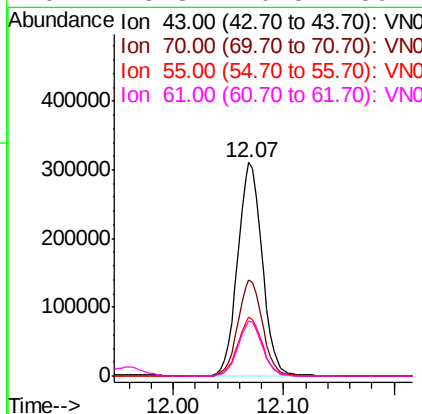
Manual Integrations
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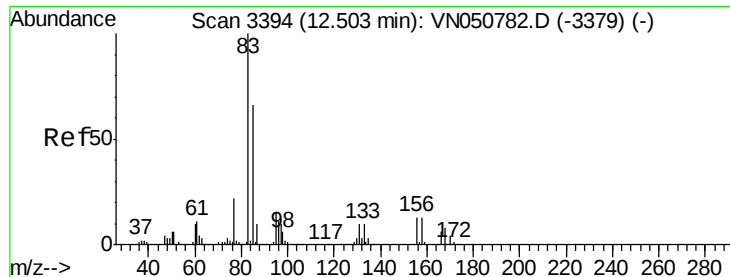
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8/22/2018 11:19:15 AM



#74
N-ethyl acetate
Concen: 53.86 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion: 43 Resp: 479105
Ion Ratio Lower Upper
43 100
70 45.0 36.2 54.2
55 27.3 21.8 32.8
61 25.3 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 54.79 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

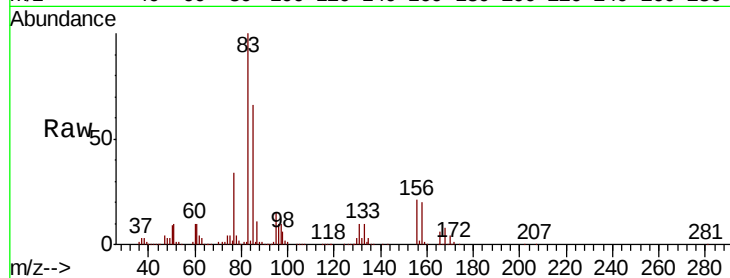
ClientSampleId :

VSTDCCC050

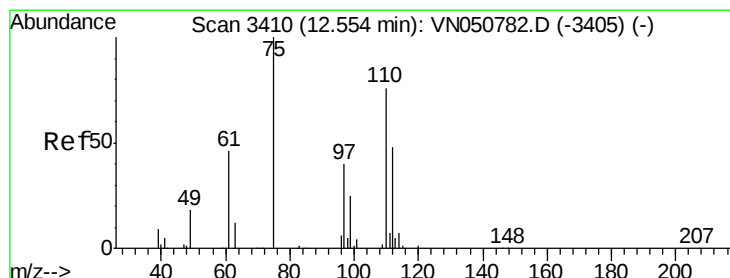
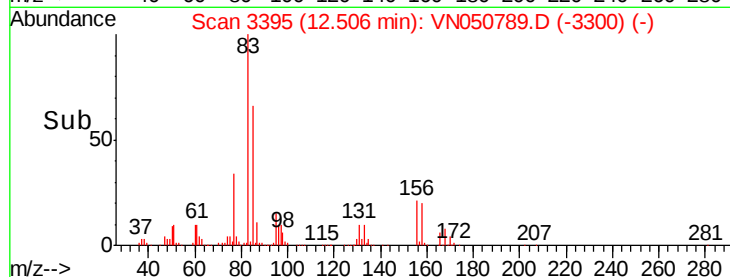
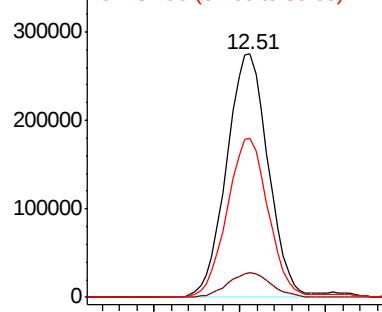
Tot Ion:	83	Resp:	461107
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	64.8	31.9	95.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN050782.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 49.30 ug/l m

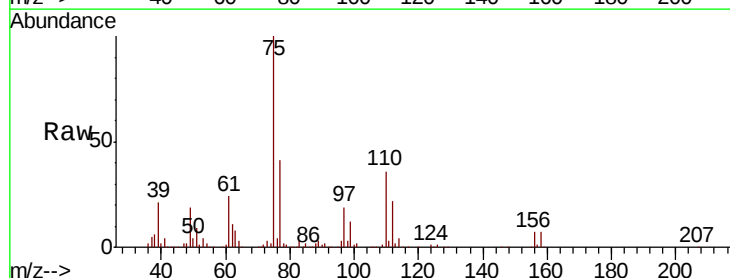
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

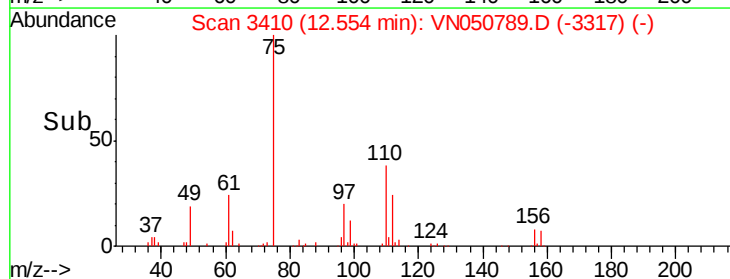
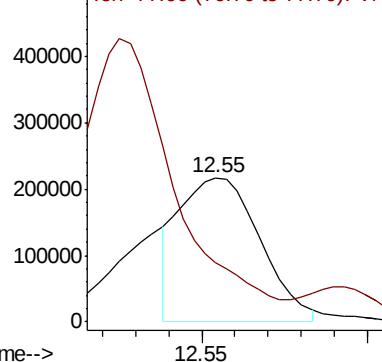
Lab File: VN050789.D

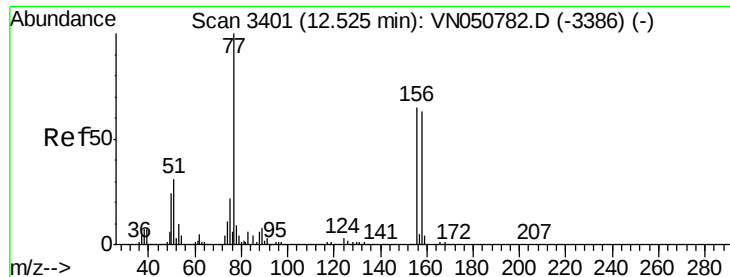
Acq: 21 Aug 2018 18:30

Tgt Ion:	75	Resp:	369173
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050782.D (-3405) (-)





#77

Bromobenzene

Concen: 50.66 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 487390

Ion Ratio Lower Upper

156 100

77 177.3 89.9 269.7

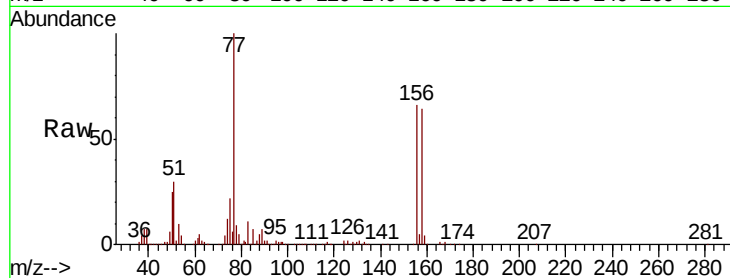
158 97.4 49.3 147.9

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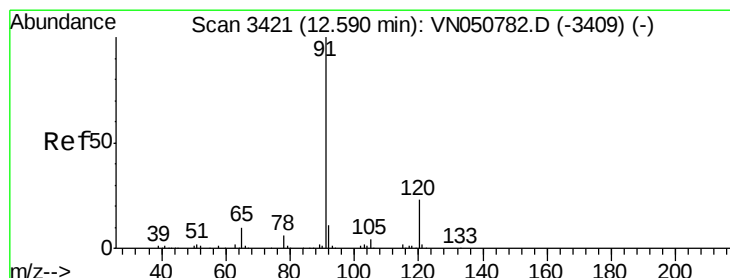
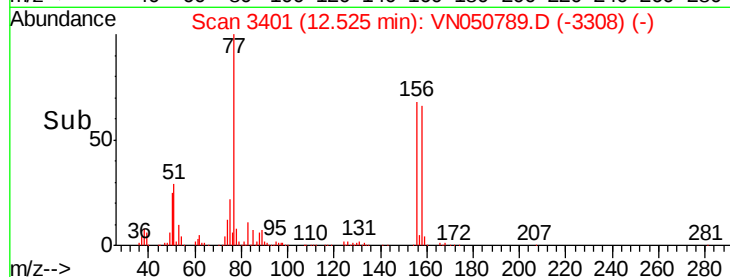
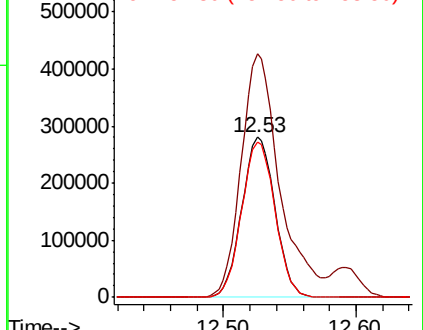
8/22/2018 11:19:15 AM



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: 55.00 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050789.D

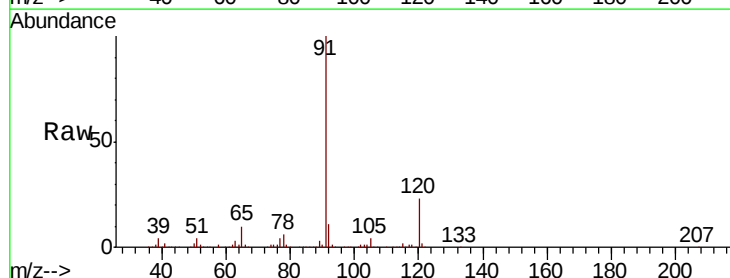
Acq: 21 Aug 2018 18:30

Tgt Ion: 91 Resp: 2174929

Ion Ratio Lower Upper

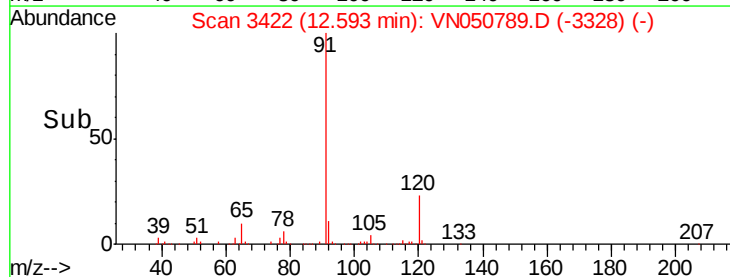
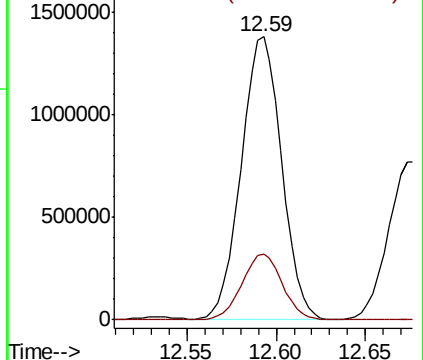
91 100

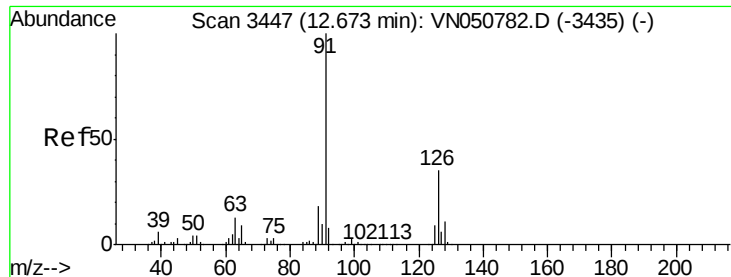
120 23.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.31 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1288532

Ion Ratio Lower Upper

91 100

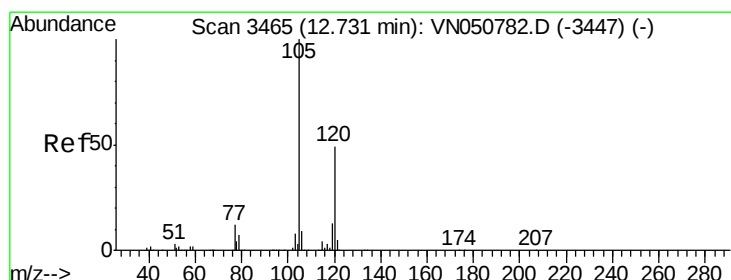
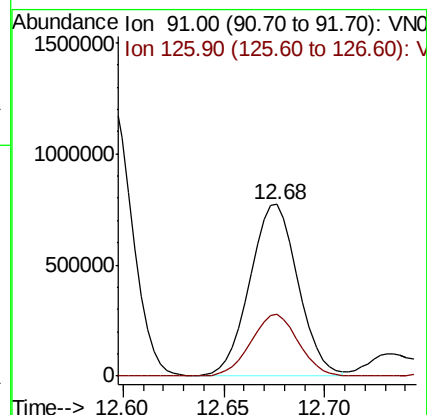
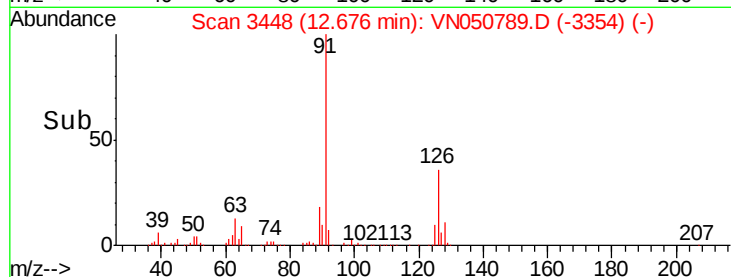
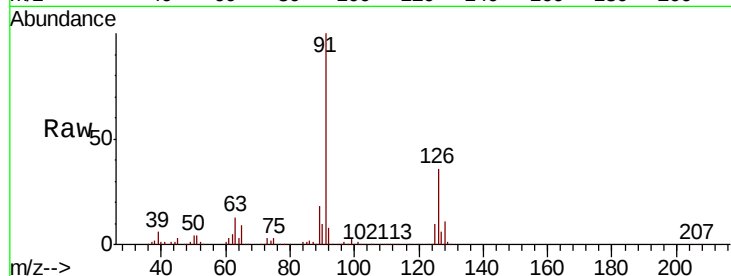
126 35.7 17.8 53.3

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#80

1,3,5-Trimethylbenzene

Concen: 55.24 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050789.D

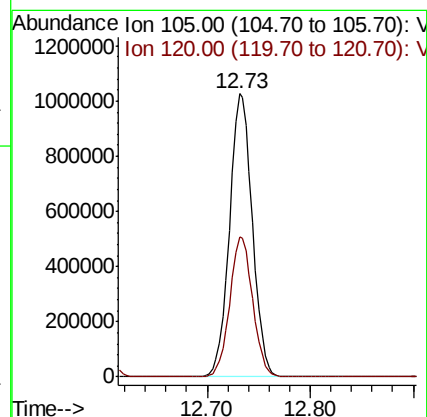
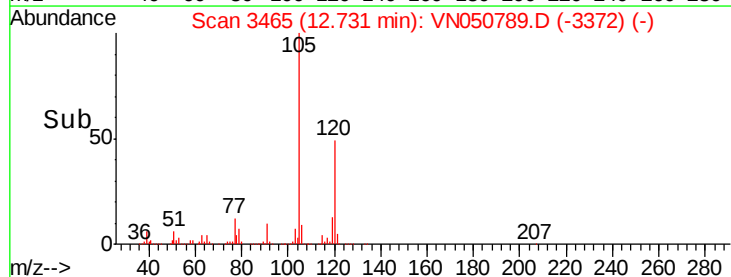
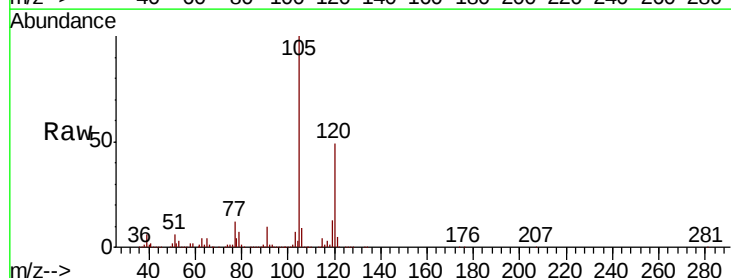
Acq: 21 Aug 2018 18:30

Tgt Ion: 105 Resp: 1577746

Ion Ratio Lower Upper

105 100

120 49.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.14 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 113283

Ion Ratio Lower Upper

75 100

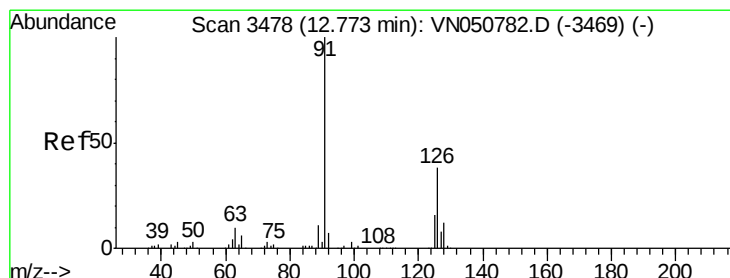
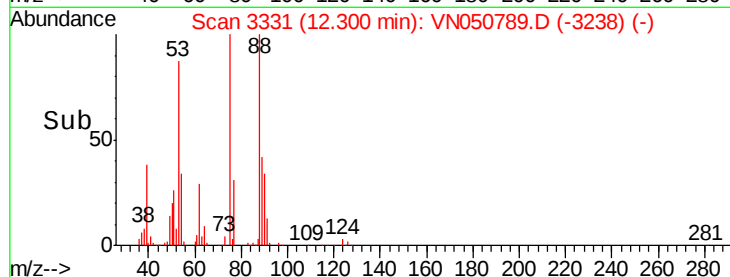
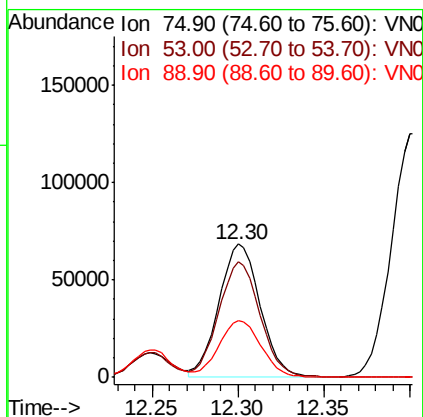
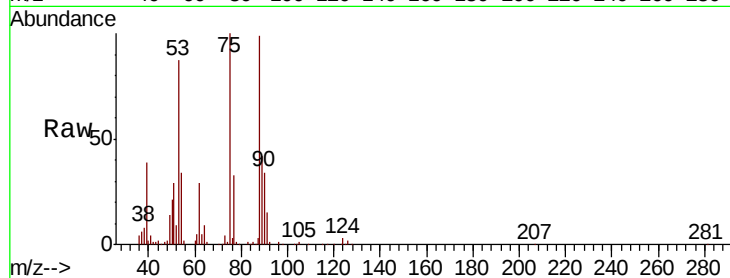
53 88.4 68.9 103.3

89 43.5 36.1 54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.33 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050789.D

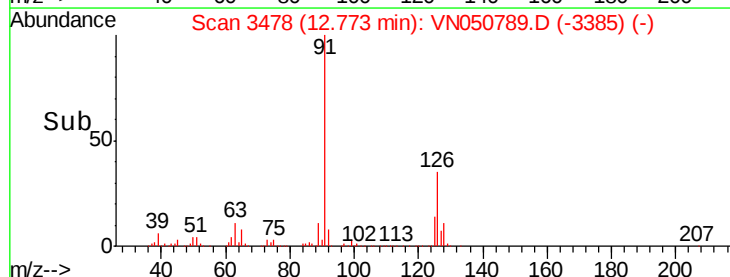
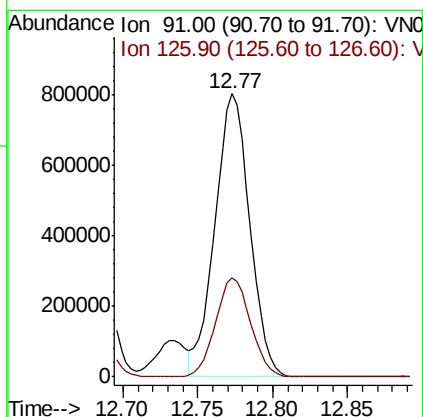
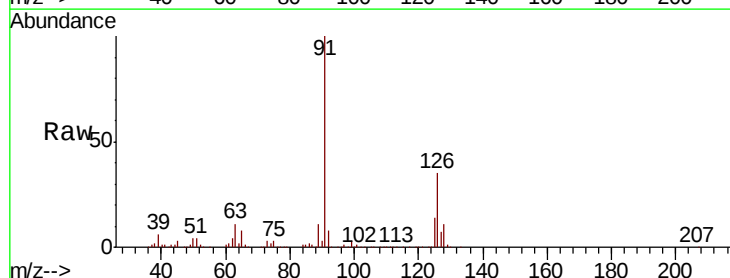
Acq: 21 Aug 2018 18:30

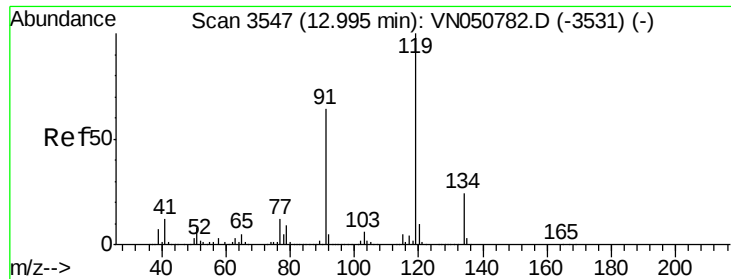
Tgt Ion: 91 Resp: 1296834

Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.5





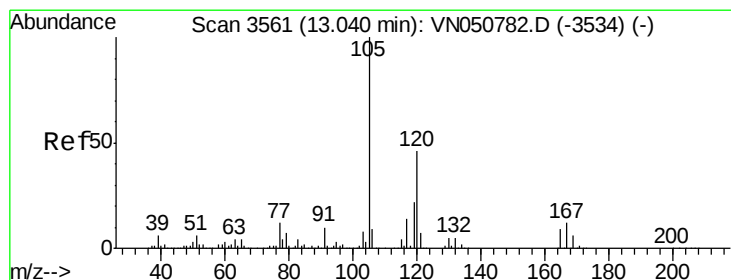
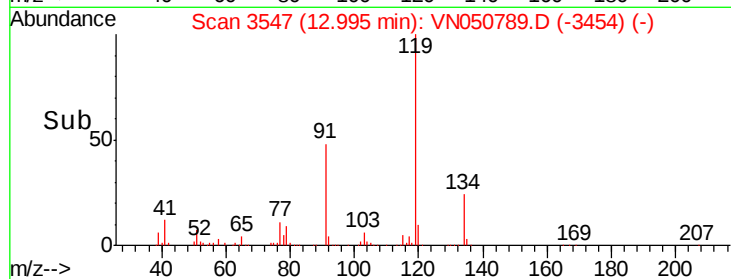
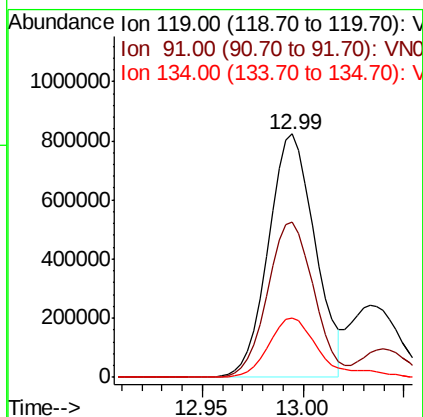
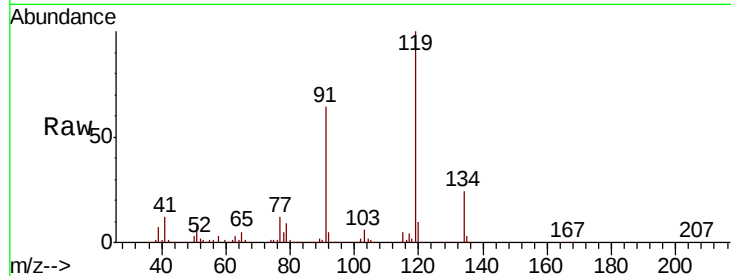
#83
 tert-Butylbenzene
 Concen: 53.25 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:119 Resp: 1317326
 Ion Ratio Lower Upper
 119 100
 91 63.3 31.6 94.7
 134 27.0 13.4 40.1

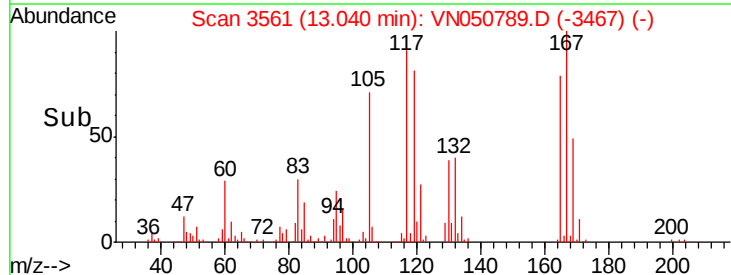
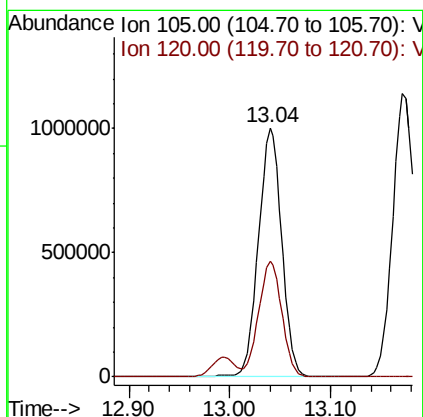
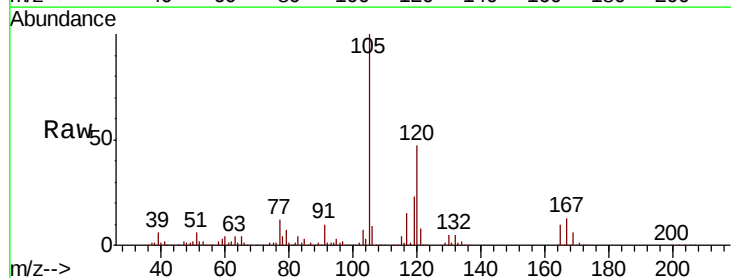
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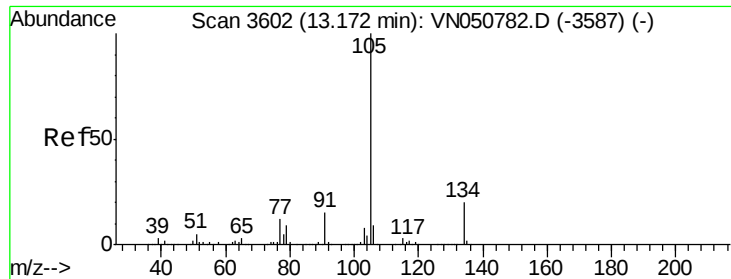
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.65 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion:105 Resp: 1598954
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.9 68.8





#85

sec-Butylbenzene

Concen: 54.65 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1771548

Ion Ratio Lower Upper

105 100

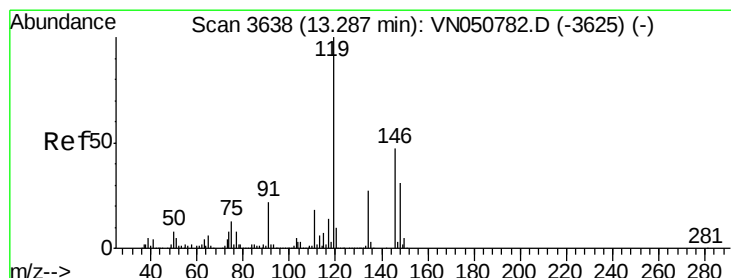
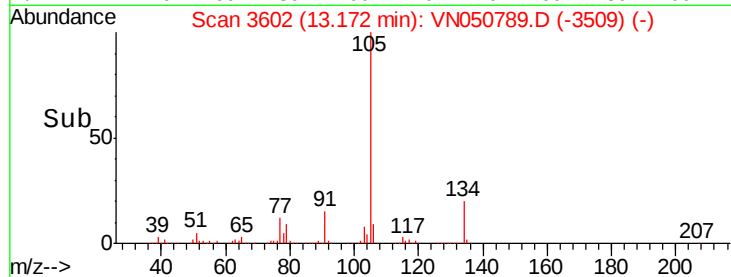
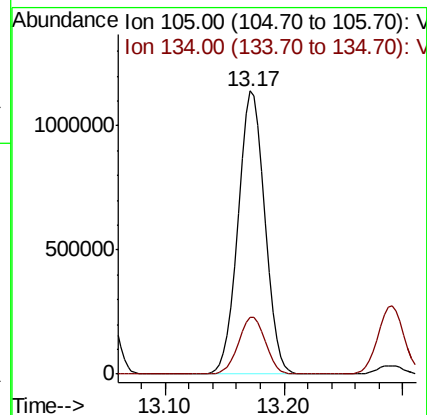
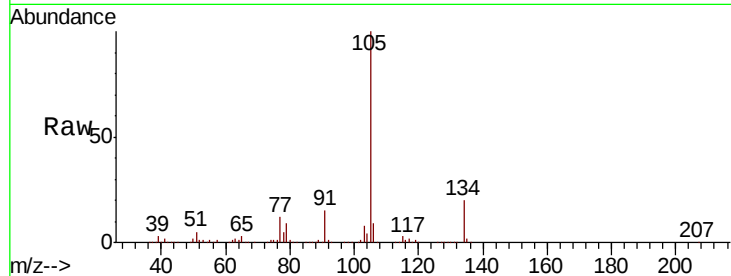
134 20.3 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 56.44 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

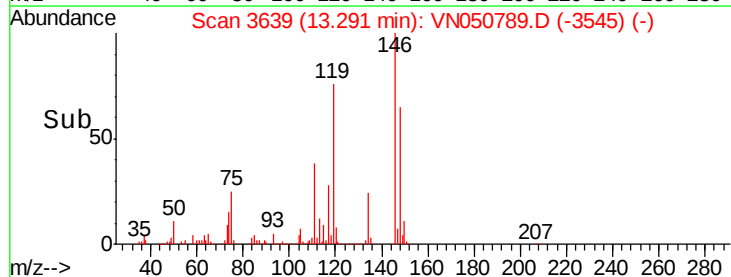
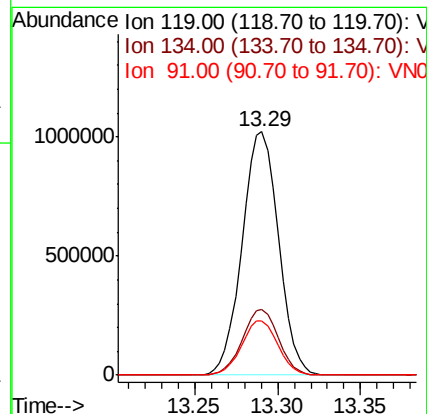
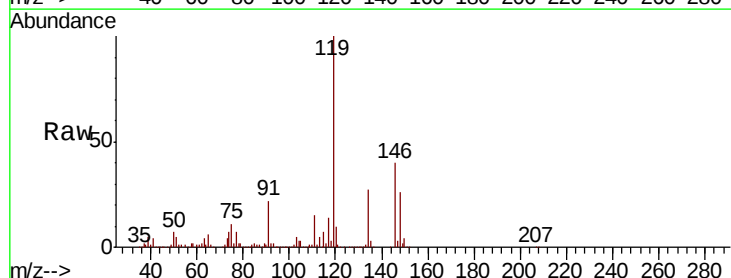
Tgt Ion:119 Resp: 1558891

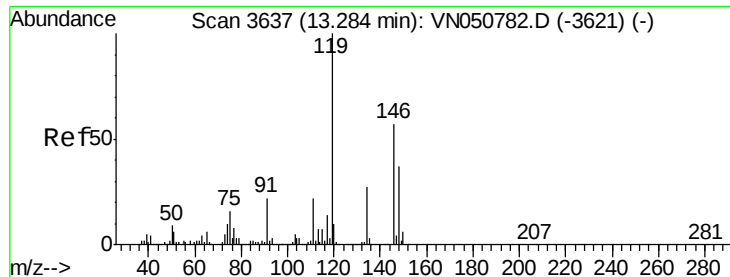
Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.0

91 22.2 11.2 33.5





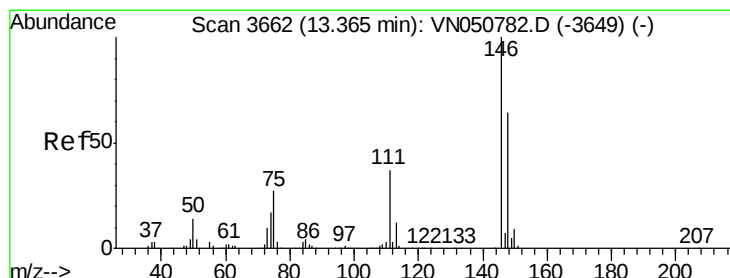
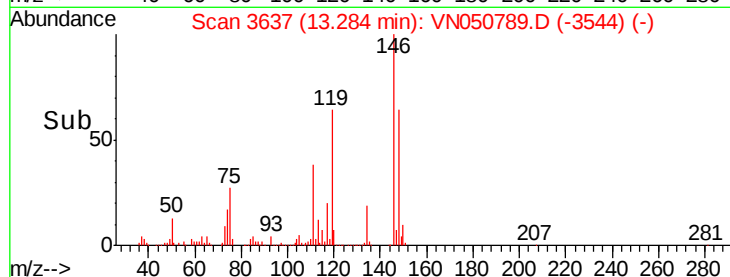
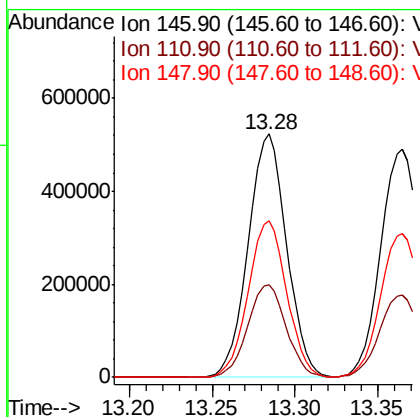
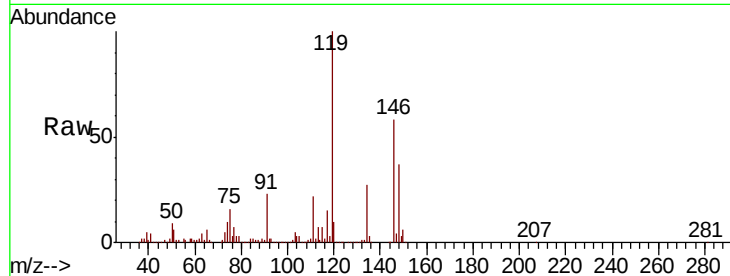
#87
 1,3-Dichlorobenzene
 Concen: 51.68 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.3
148	64.4	32.2	96.6

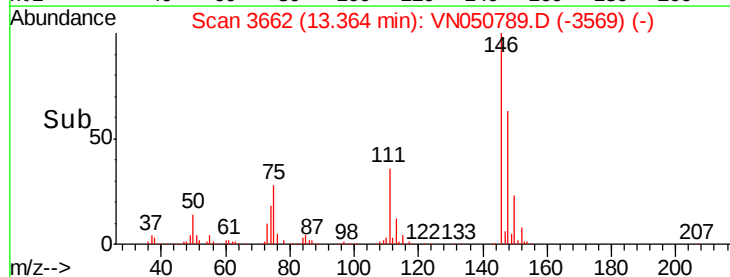
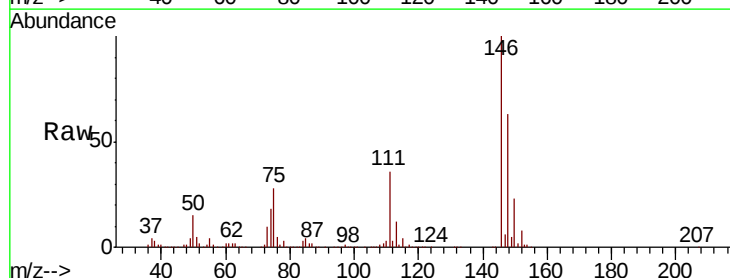
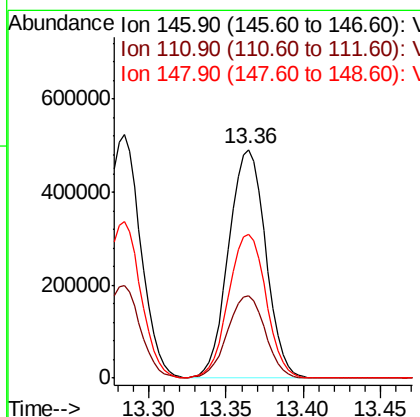
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#88
 1,4-Dichlorobenzene
 Concen: 50.83 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.8	56.3
148	63.9	32.2	96.6





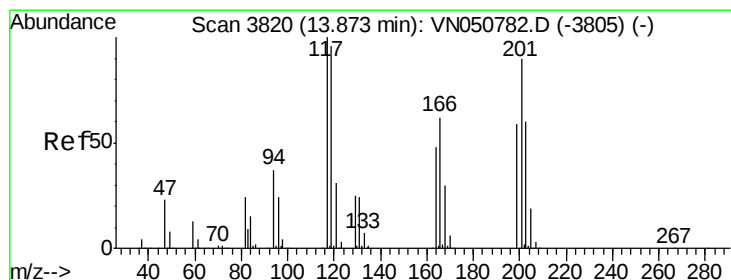
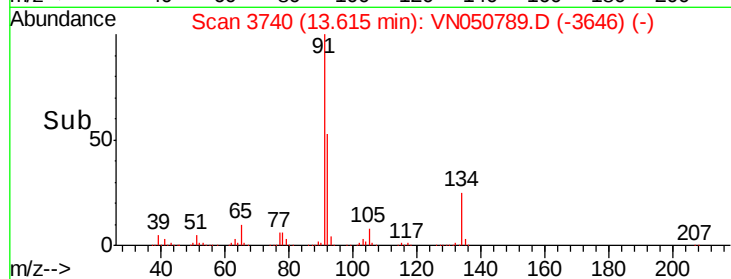
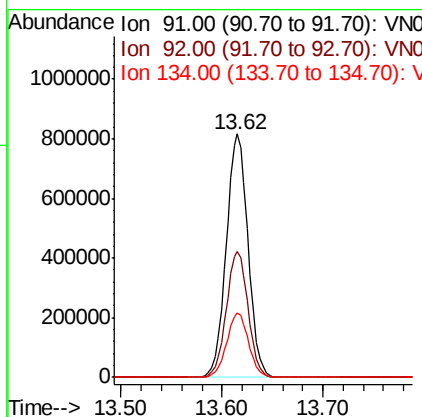
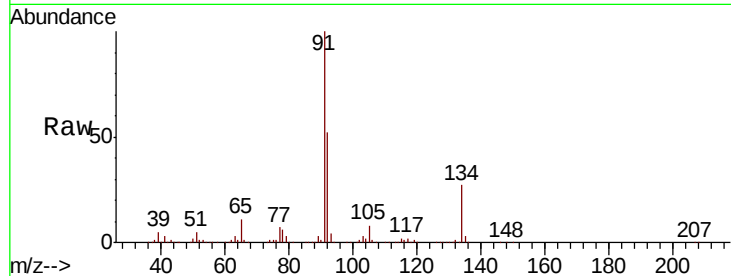
#89
n-Butylbenzene
Concen: 55.47 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1225387
Ion Ratio Lower Upper
91 100
92 51.8 26.1 78.2
134 26.5 13.2 39.6

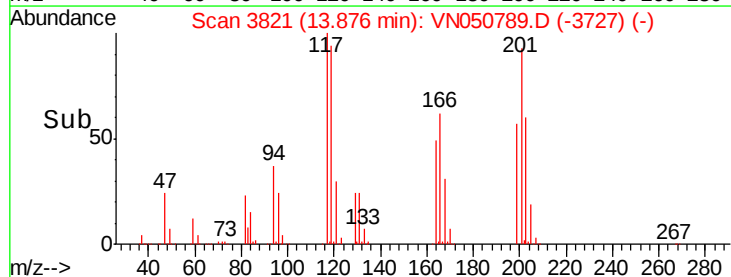
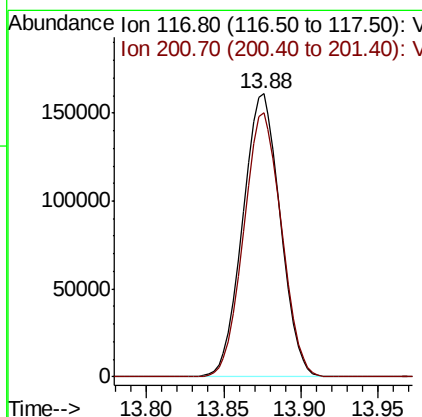
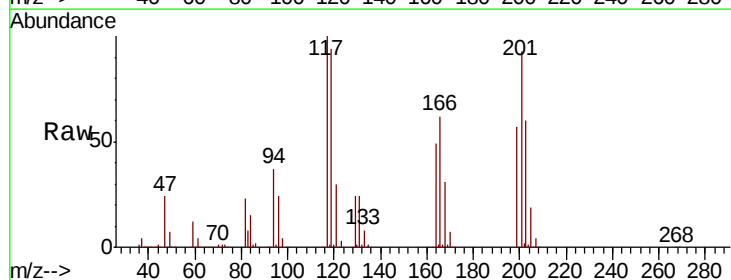
Manual Integrations
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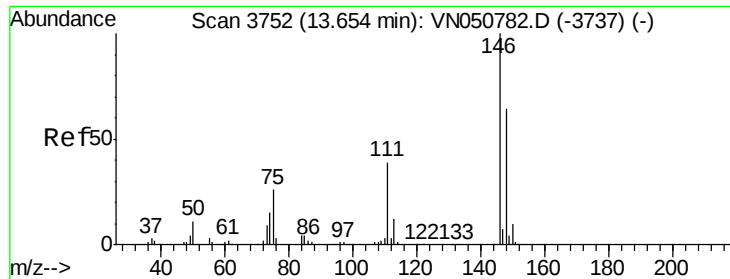
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#90
Hexachloroethane
Concen: 51.78 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion: 117 Resp: 272602
Ion Ratio Lower Upper
117 100
201 93.6 46.0 137.8





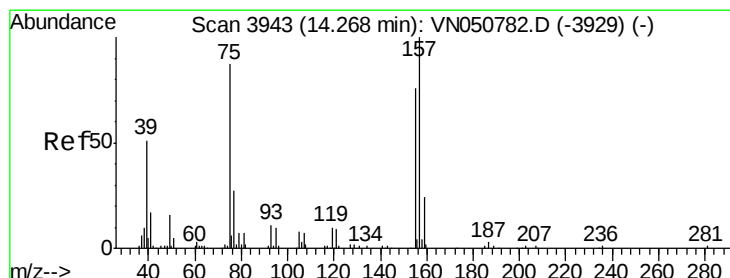
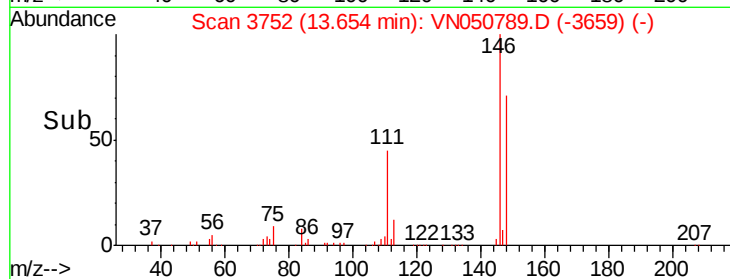
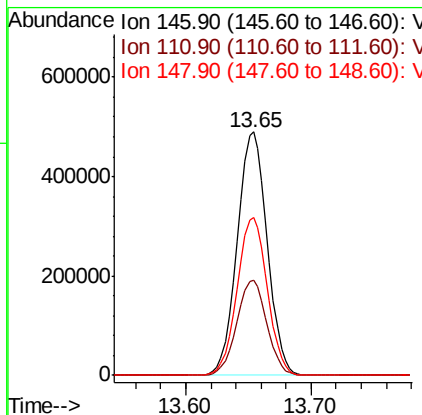
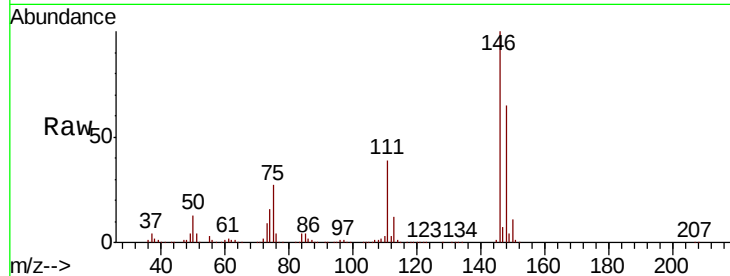
#91
 1,2-Dichlorobenzene
 Concen: 51.56 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	65.2	32.3	96.8

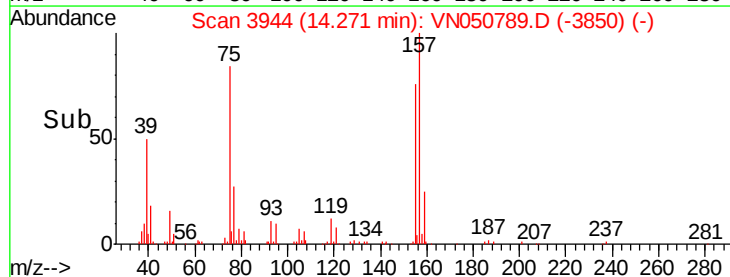
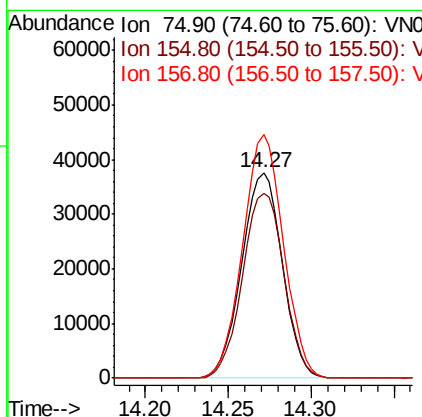
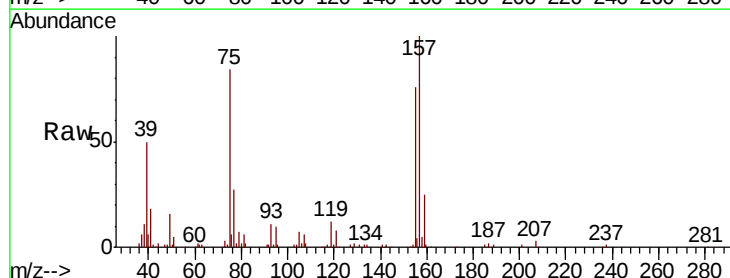
Manual Integrations
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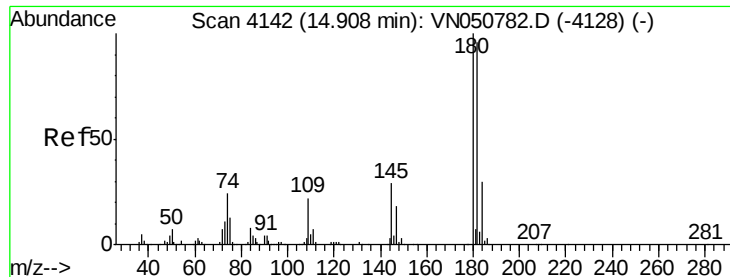
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.40 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	46.4	139.1
157	118.5	60.7	182.0





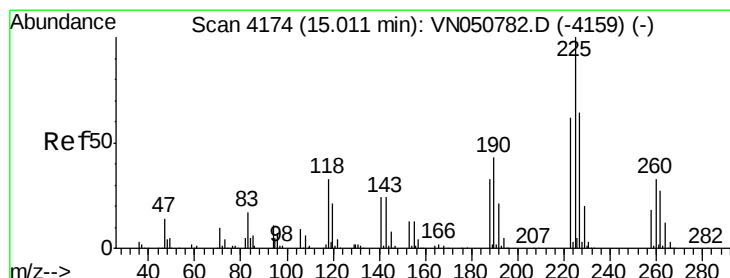
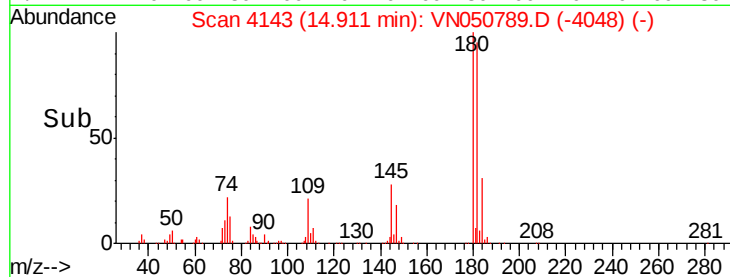
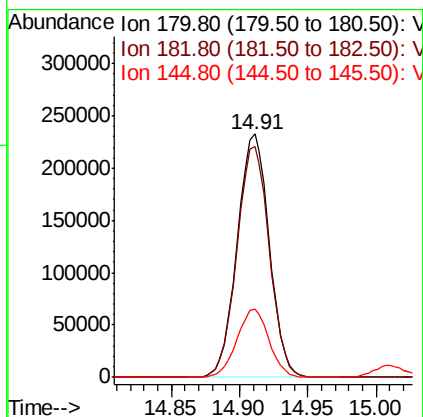
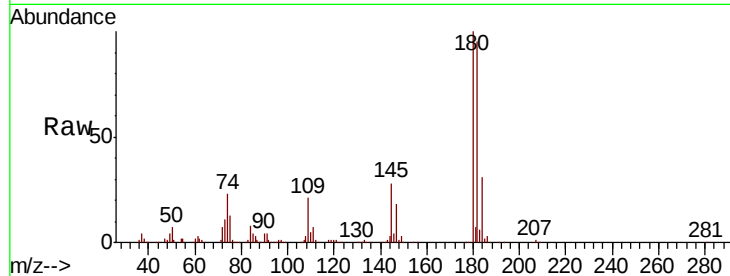
#93
 1,2,4-Trichlorobenzene
 Concen: 46.59 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	379310		
182	96.0	48.2	144.6	
145	28.0	14.1	42.2	

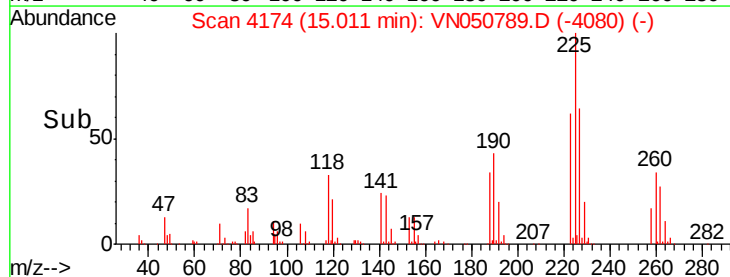
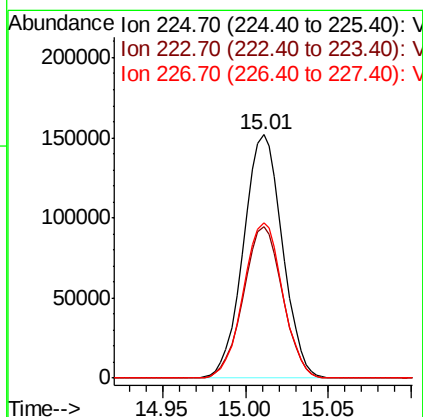
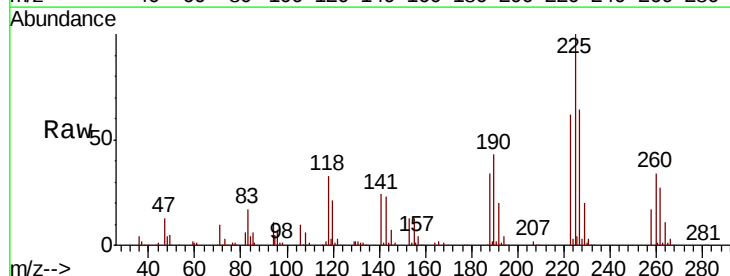
Manual Integrations
 APPROVED

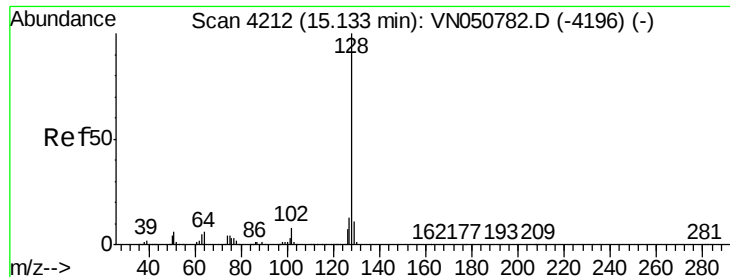
MMDadoda
 8/22/2018 11:19:15 AM



#94
 Hexachlorobutadiene
 Concen: 53.12 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	247696		
223	62.8	31.3	93.8	
227	64.6	32.0	96.2	





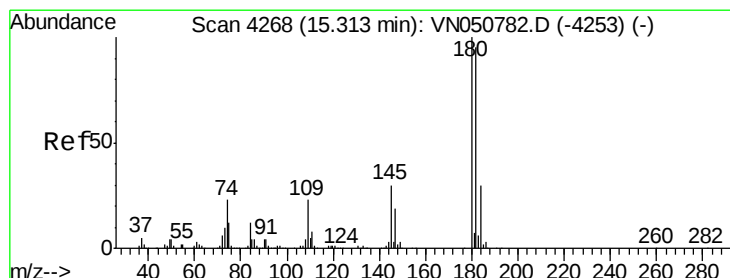
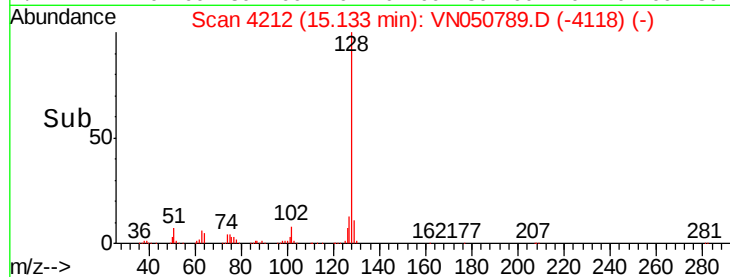
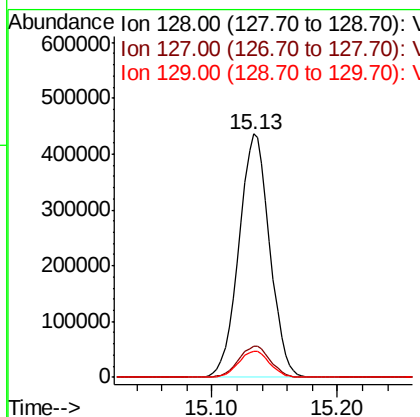
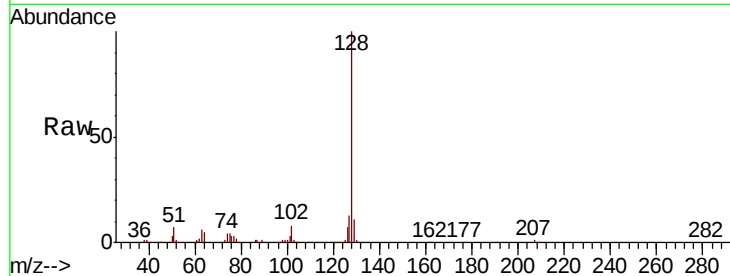
#95
Naphthalene
Concen: 44.14 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/22/2018 11:19:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.90 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	48.0	144.2
145	30.7	15.2	45.6

