

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050040.D
 Acq On : 25 Jul 2018 10:11
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 3:54:02 PM

Quant Time: Jul 26 15:14:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 12:20:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	143496	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	753310	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	694905	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	285342	28.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.97%
60) 4-Bromofluorobenzene	12.40	95	336450	31.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	106.30%
63) Toluene-d8	10.09	98	959006	28.14	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	93.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	1492805	133.73	ug/l	97
3) Chloromethane	2.05	50	1510350	141.52	ug/l	100
4) Vinyl Chloride	2.18	62	1582793	138.08	ug/l	97
5) Bromomethane	2.54	94	924365	134.50	ug/l	100
6) Chloroethane	2.69	64	905070	134.54	ug/l	99
7) Trichlorofluoromethane	3.00	101	2006746	131.78	ug/l	100
8) Diethyl Ether	3.41	74	723248	154.37	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1210909	130.30	ug/l	99
10) 1,1-Dichloroethene	3.73	96	1145747	143.41	ug/l	95
11) Methyl Iodide	3.95	142	1806715	158.45	ug/l	99
12) Methyl Acetate	4.33	43	1338990	146.41	ug/l	99
13) Acrolein	3.61	56	384993	797.27	ug/l	99
14) Acrylonitrile	4.99	53	2329844	801.83	ug/l	99
15) Acetone	3.82	58	558433	681.48	ug/l	99
16) Carbon Disulfide	4.05	76	3449264	142.41	ug/l	100
17) Allyl chloride	4.32	41	1904819	157.72	ug/l	98
18) Methylene Chloride	4.55	84	1268988	138.70	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	1218412	143.01	ug/l	99
20) Diisopropyl ether	5.96	45	3852159	149.07	ug/l	97
21) 1,1-Dichloroethane	5.85	63	2253465	140.02	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	1392741	150.60	ug/l	99
23) tert-Butyl Alcohol	4.80	59	542399	845.20	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	3311705	156.70	ug/l	100
25) Chloroform	7.37	83	2252684	136.84	ug/l	100
26) Cyclohexane	7.65	56	1983124	156.34	ug/l	# 100
29) 1,1-Dichloropropene	7.80	75	1779330	145.13	ug/l	99
30) 2-Butanone	6.84	43	2825462	780.56	ug/l	99
31) 2,2-Dichloropropane	6.83	77	1846130	137.95	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1978830	139.72	ug/l	99
33) Carbon Tetrachloride	7.78	117	1766136	141.15	ug/l	99
34) Benzene	8.04	78	5214686	142.25	ug/l	# 91
35) Methacrylonitrile	7.18	41	652820	165.29	ug/l	95
36) 1,2-Dichloroethane	8.13	62	1648699	137.18	ug/l	99
37) Trichloroethene	8.84	130	1364906	143.13	ug/l	99
38) Methylcyclohexane	9.08	83	1972846	160.50	ug/l	97
39) 1,2-Dichloropropane	9.12	63	1367462	141.94	ug/l	98
40) Dibromomethane	9.21	93	842264	143.80	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	1784882	143.94	ug/l	98
42) Vinyl Acetate	5.90	43	13867828	809.59	ug/l	100
43) Ethyl Acetate	6.93	43	1199313	153.58	ug/l	97
44) Isopropyl Acetate	8.17	43	2185096	152.91	ug/l	100
45) 1,4-Dioxane	9.20	88	300547	3216.88	ug/l	97
46) Methyl methacrylate	9.20	41	1122958	165.13	ug/l	100
47) n-amyl Acetate	12.07	43	1953901	191.96	ug/l	98
48) t-1,3-Dichloropropene	7.80	75	1779330	144.86	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	2147584	156.70	ug/l	99
50) 1,1,2-Trichloroethane	10.57	97	1214079	144.32	ug/l	98
51) Ethyl methacrylate	10.43	69	1701445	181.53	ug/l	99
52) 1,3-Dichloropropane	10.71	76	2038657	147.53	ug/l	99
53) Dibromochloromethane	10.90	129	1430340	152.08	ug/l	100
54) 1,2-Dibromoethane	11.01	107	1249344	154.17	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	3868045	871.95	ug/l	100
56) Bromoform	12.13	173	1052139	163.14	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	6238521	756.02	ug/l	98
59) 2-Hexanone	10.76	43	4352024	791.03	ug/l	98
61) Tetrachloroethene	10.63	164	1278538	126.98	ug/l	97
62) Toluene	10.16	91	5715814	138.49	ug/l	100
64) Chlorobenzene	11.44	112	3575184	145.73	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	1344903	138.67	ug/l	99
66) Ethyl Benzene	11.51	91	6378497	156.06	ug/l	99
67) m/p-Xylenes	11.62	106	4820489	296.87	ug/l	100
68) o-Xylene	11.95	106	2337200	156.70	ug/l	100
69) Styrene	11.97	104	3830812	156.90	ug/l	100
70) Isopropylbenzene	12.25	105	6203997	153.37	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	1601593	147.36	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	1412788m	161.74	ug/l	
73) Bromobenzene	12.53	156	1613502	152.09	ug/l	98
74) n-propylbenzene	12.59	91	7208248	151.49	ug/l	100
75) 2-Chlorotoluene	12.68	91	4227205	148.48	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	5061778	148.65	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	517614	183.34	ug/l	96
78) 4-Chlorotoluene	12.78	91	4325231	153.57	ug/l	100
79) tert-butylbenzene	13.00	119	4384263	155.25	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	5184208	150.18	ug/l	100
81) sec-Butylbenzene	13.17	105	5910115	151.25	ug/l	100
82) p-Isopropyltoluene	13.29	119	5213230	156.74	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	2870179	154.32	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	2798821	159.15	ug/l	99
85) n-Butylbenzene	13.62	91	4459660	172.23	ug/l	99
86) Hexachloroethane	13.88	117	968050	147.66	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	2747226	147.58	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	268903	160.16	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	1620996	200.48	ug/l	100
90) Hexachlorobutadiene	15.01	225	830295	137.21	ug/l	98
91) Naphthalene	15.14	128	3895073	244.91	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	1572253	184.94	ug/l	99

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QLast Update : Thu Jul 26 12:20:10 2018
Response via : Initial Calibration

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

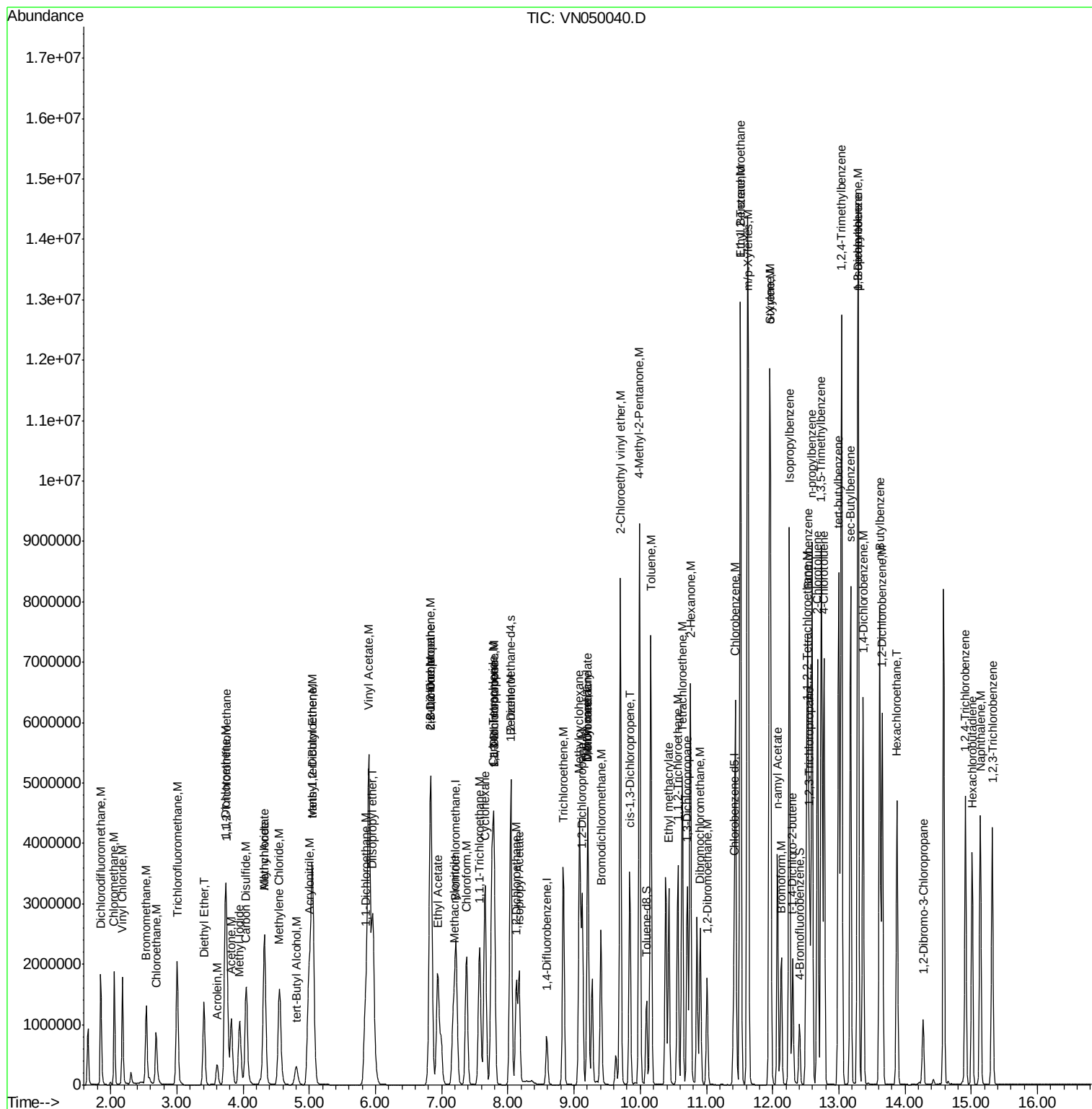
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Data File : VN050040.D
Acq On : 25 Jul 2018 10:11
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Misc : 5.00mL/MSVOA N/WATER
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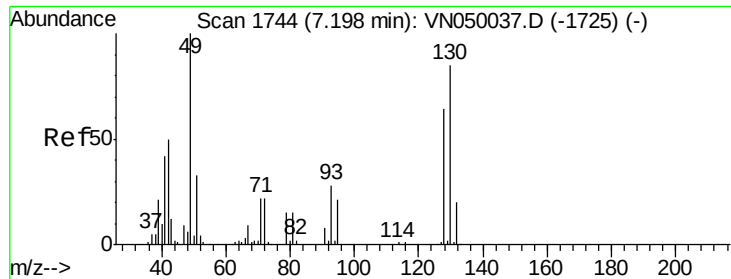
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
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7/26/2018 3:54:02 PM

Quant Time: Jul 26 15:14:26 2018
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

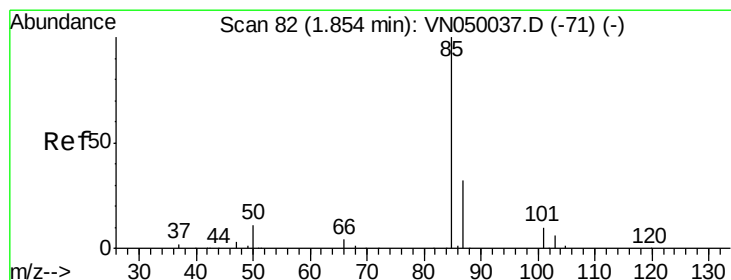
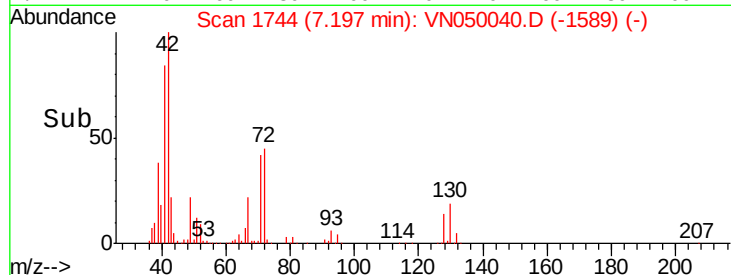
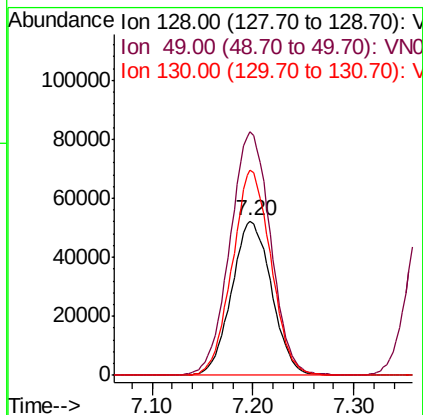
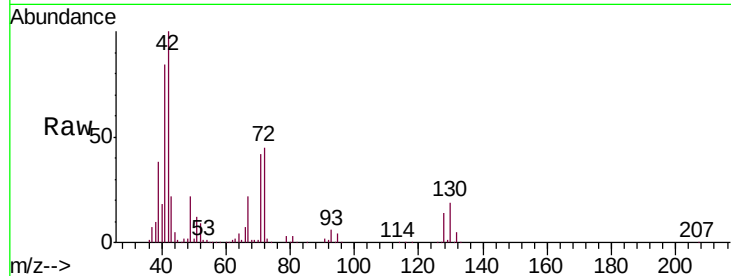
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
49	161.1	0.0	378.3
130	129.1	0.0	320.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 133.73 ug/l

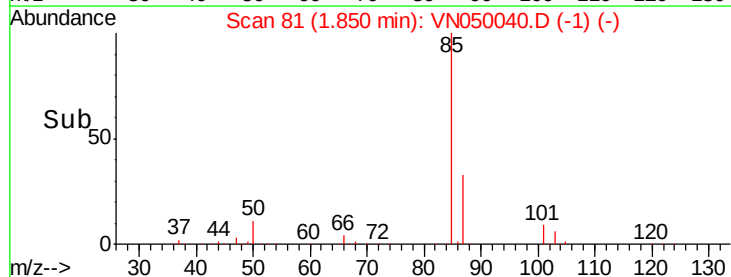
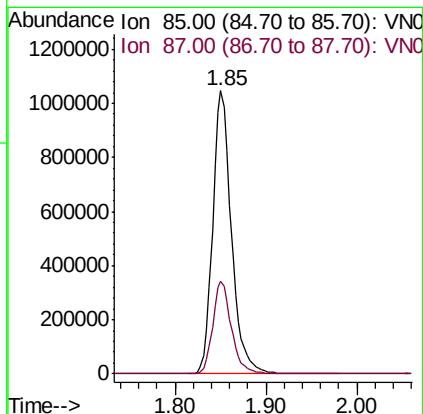
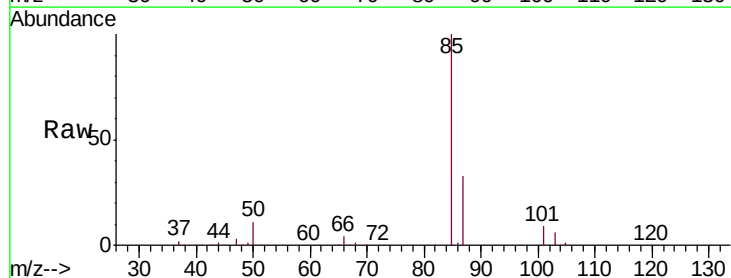
RT: 1.85 min Scan# 81

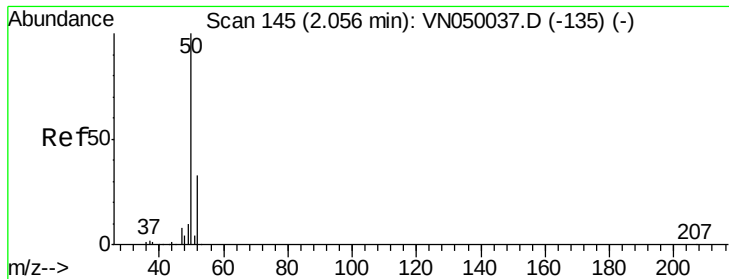
Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.4	46.4





#3

Chloromethane

Concen: 141.52 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1510350

Ion Ratio Lower Upper

50 100

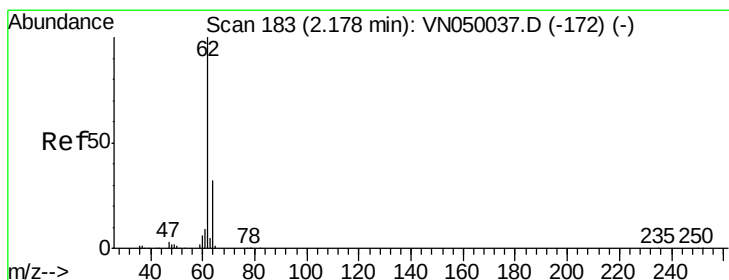
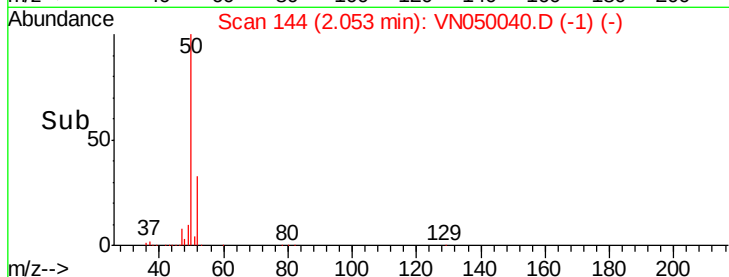
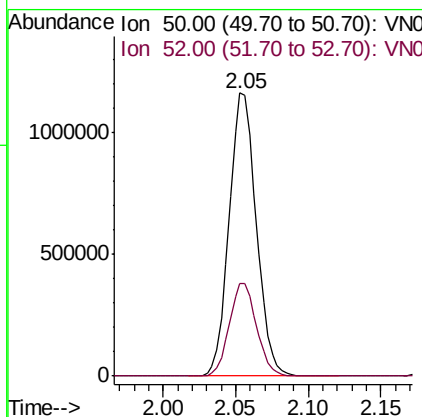
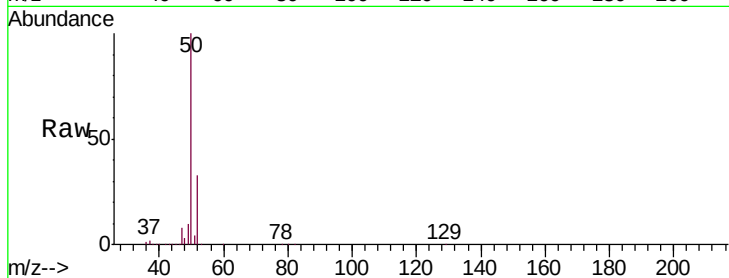
52 32.9 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 138.08 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050040.D

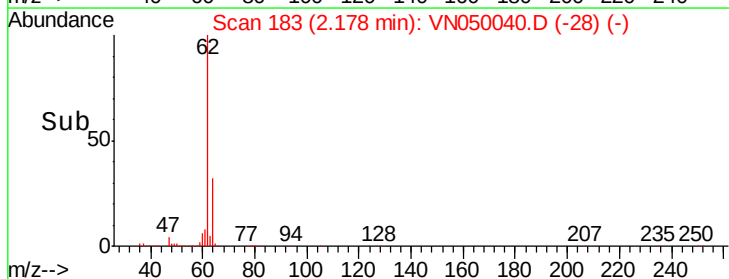
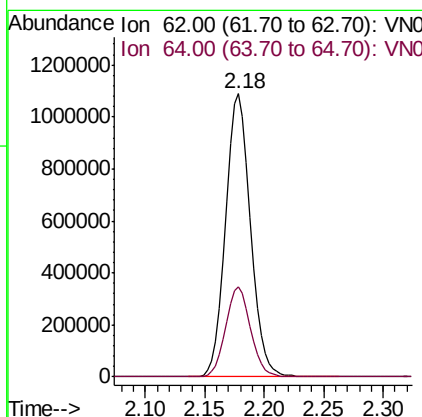
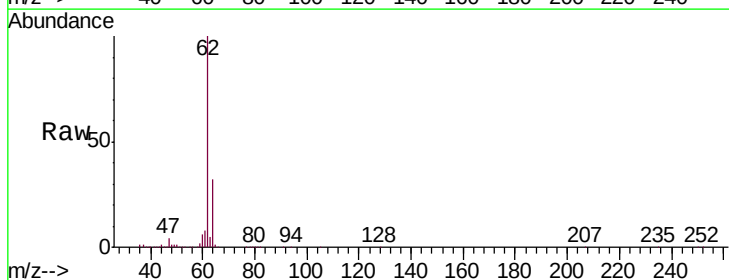
Acq: 25 Jul 2018 10:11

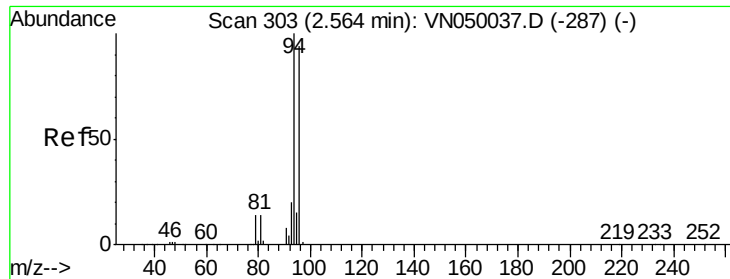
Tgt Ion: 62 Resp: 1582793

Ion Ratio Lower Upper

62 100

64 31.9 24.4 36.6





#5

Bromomethane

Concen: 134.50 ug/l

RT: 2.54 min Scan# 295

Delta R.T. -0.03 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 924365

Ion Ratio Lower Upper

94 100

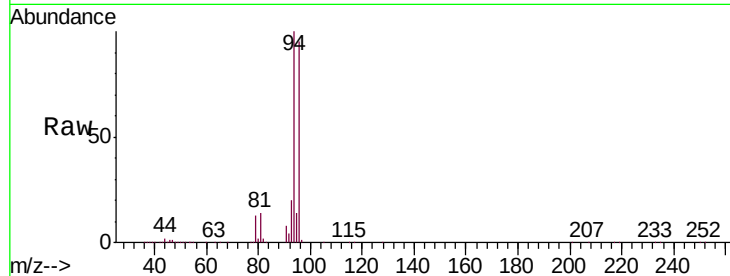
96 94.6 75.9 113.9

Manual Integrations

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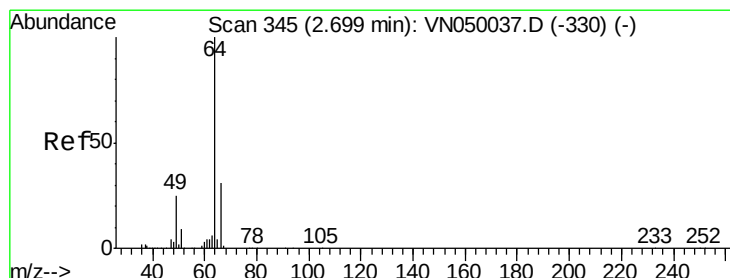
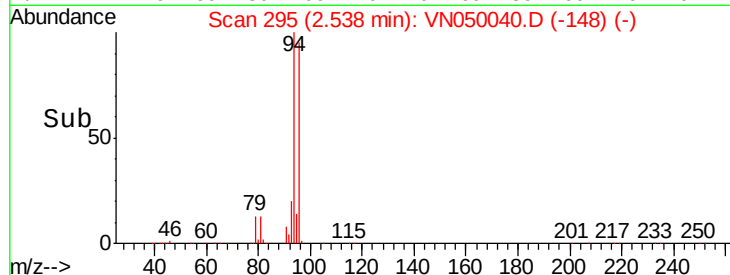
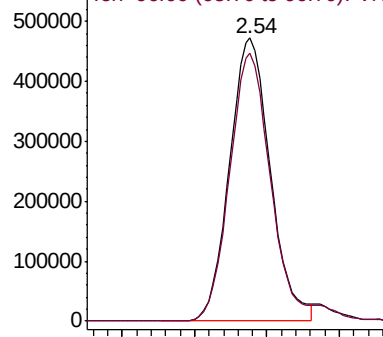
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 134.54 ug/l

RT: 2.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VN050040.D

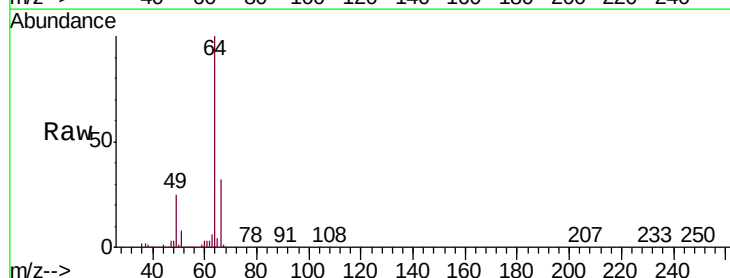
Acq: 25 Jul 2018 10:11

Tgt Ion: 64 Resp: 905070

Ion Ratio Lower Upper

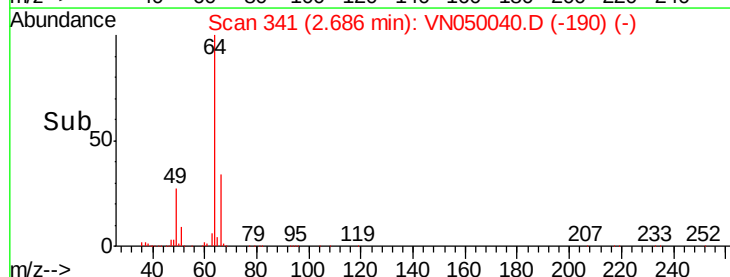
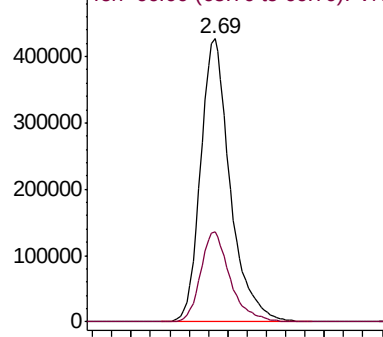
64 100

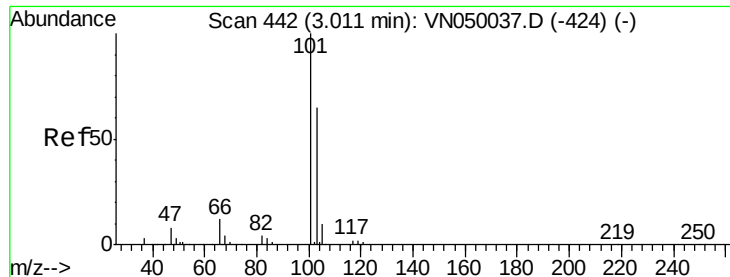
66 31.8 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

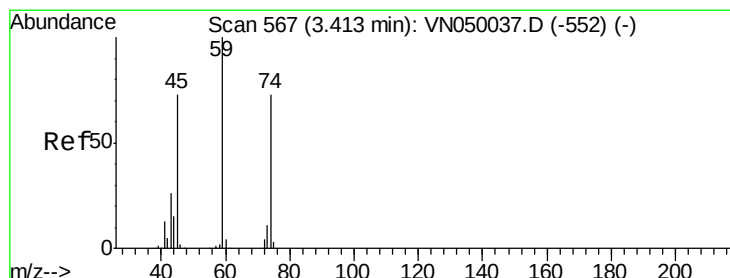
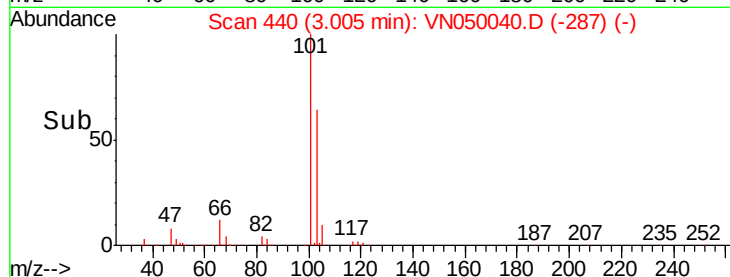
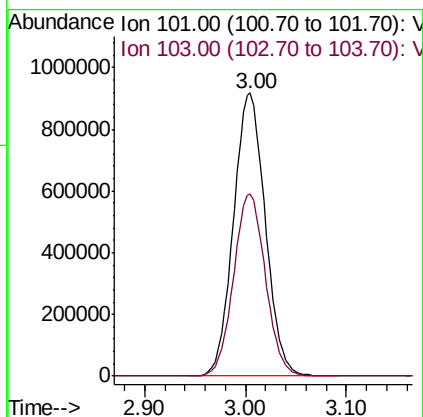
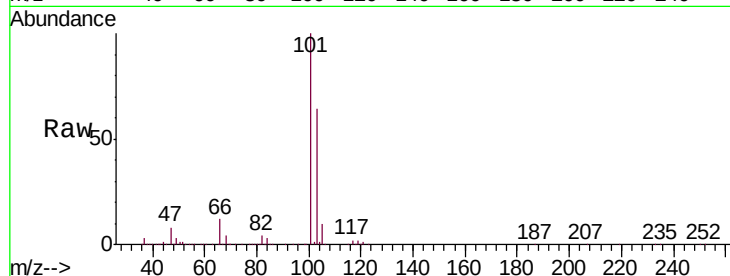
Trichlorofluoromethane
 Concen: 131.78 ug/l
 RT: 3.00 min Scan# 440
 Delta R.T. -0.01 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

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 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 2006746
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.5 77.3

Manual Integrations
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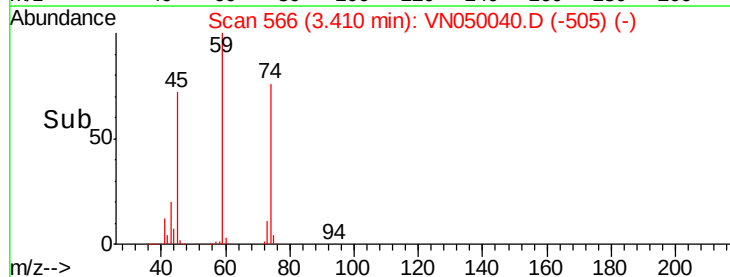
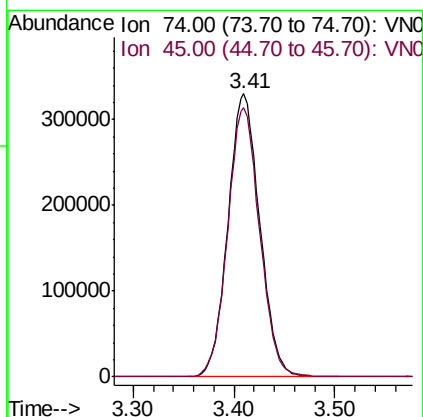
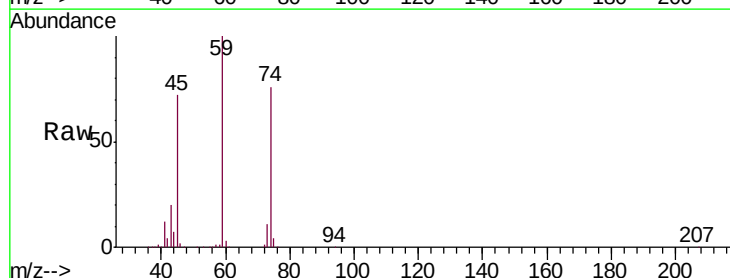
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 7/26/2018 3:54:02 PM

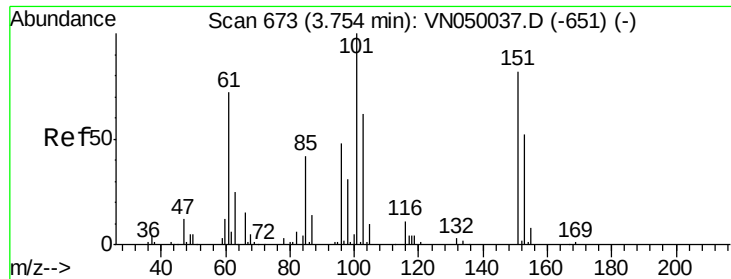


#8

Diethyl Ether
 Concen: 154.37 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Tgt Ion: 74 Resp: 723248
 Ion Ratio Lower Upper
 74 100
 45 95.5 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 130.30 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1210909

Ion Ratio Lower Upper

101 100

85 42.4 0.0 83.0

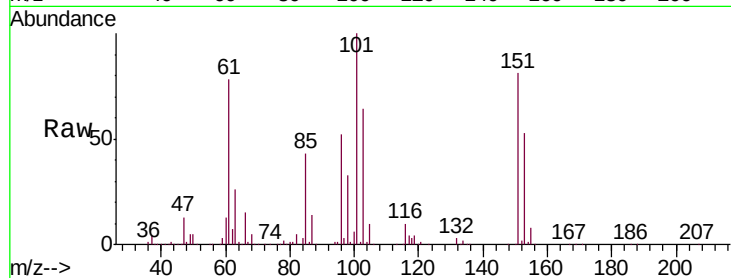
151 82.4 0.0 166.8

Manual Integrations

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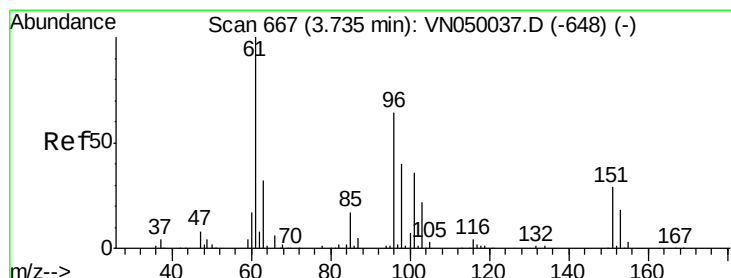
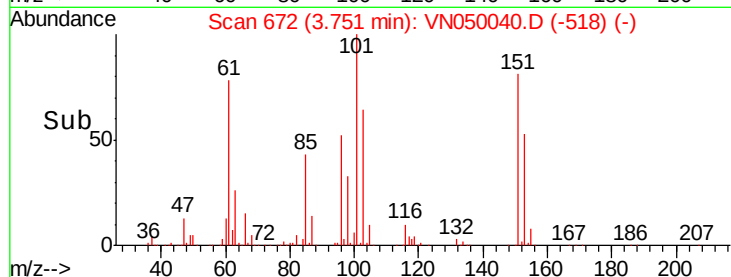
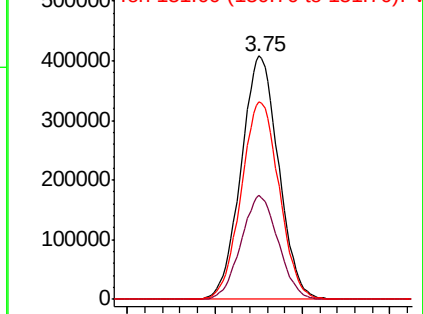
7/26/2018 3:54:02 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 143.41 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

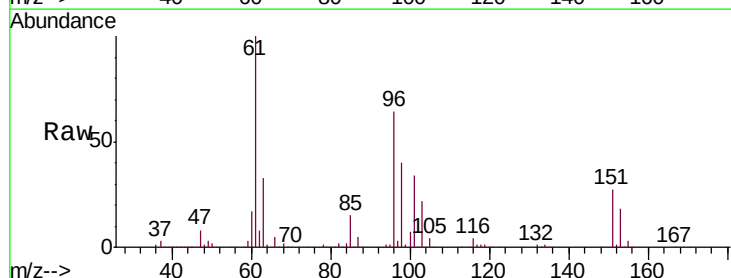
Tgt Ion: 96 Resp: 1145747

Ion Ratio Lower Upper

96 100

61 157.3 130.6 195.8

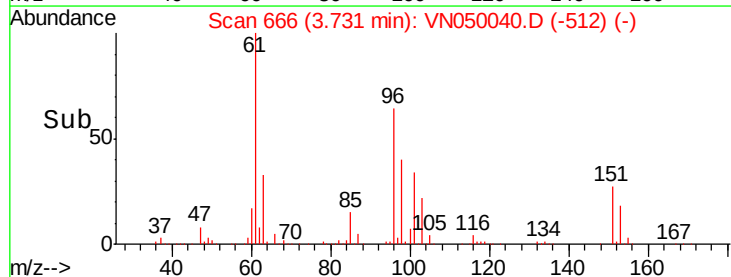
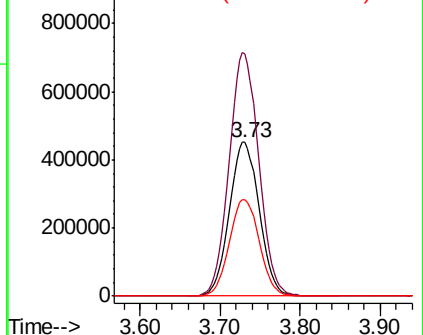
98 63.0 53.5 80.3

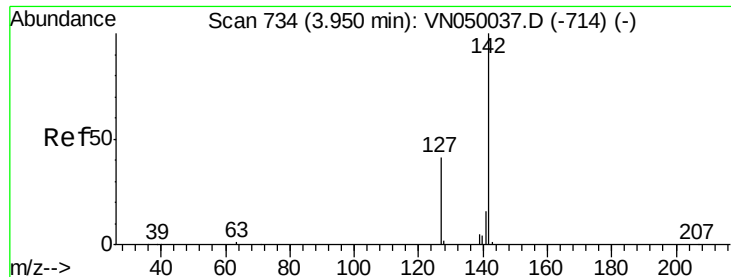


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





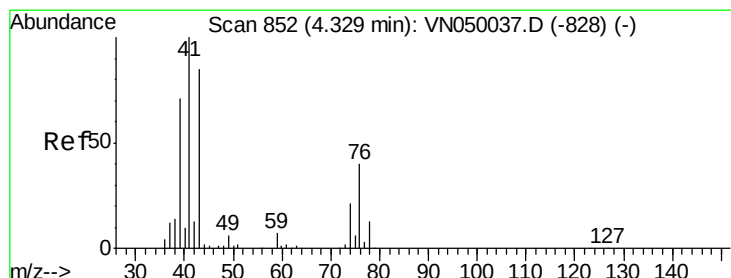
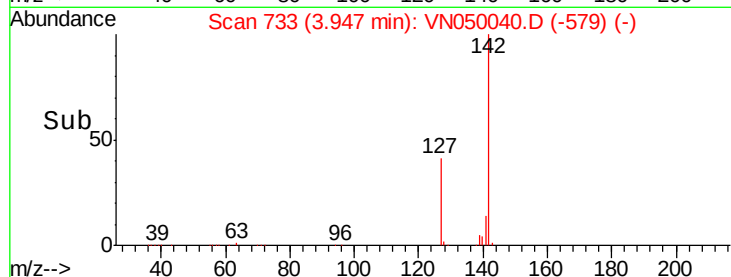
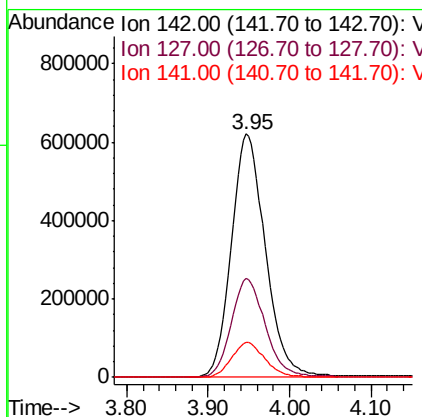
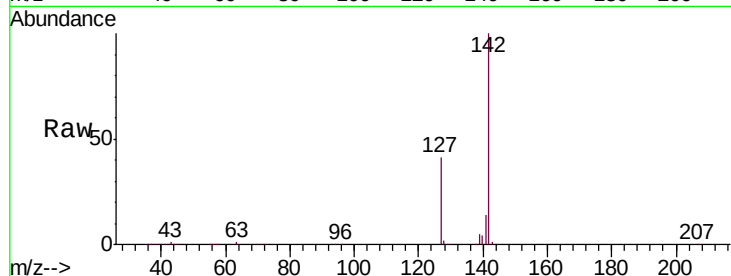
#11
Methvl Iodide
Concen: 158.45 ug/l
RT: 3.95 min Scan# 733
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.5	20.2	60.5
141	14.2	6.9	20.6

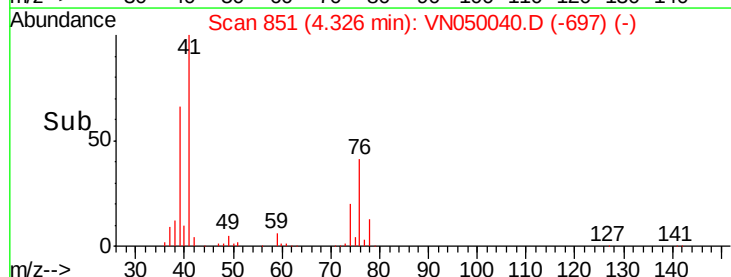
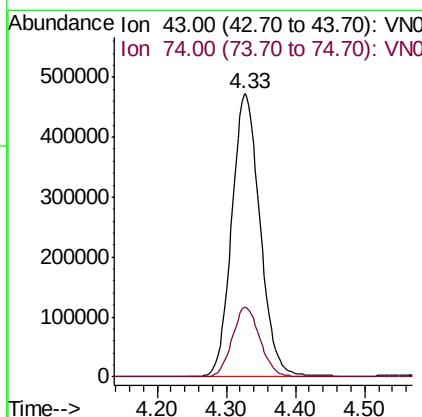
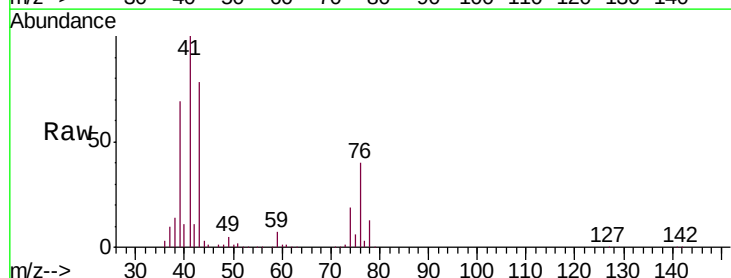
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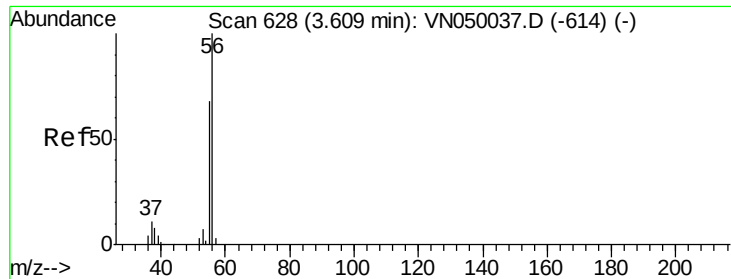
MMDadoda
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#12
Methyl Acetate
Concen: 146.41 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.3	28.9





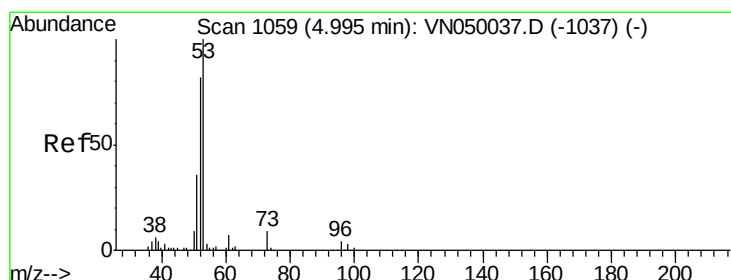
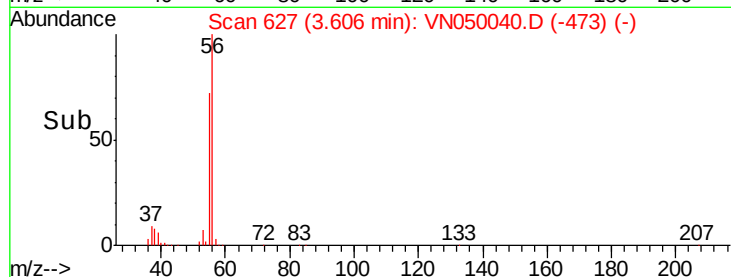
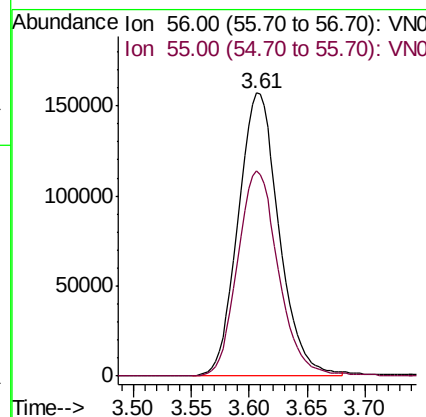
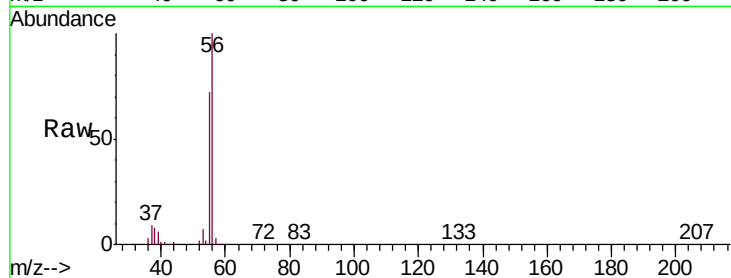
#13
Acrolein
Concen: 797.27 ug/l
RT: 3.61 min Scan# 627
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.7	58.6	88.0

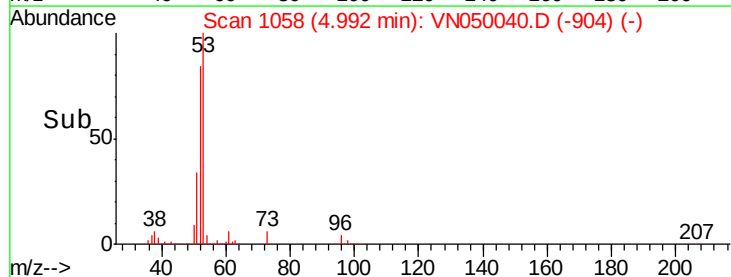
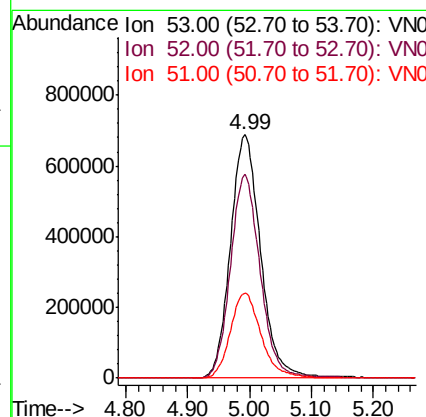
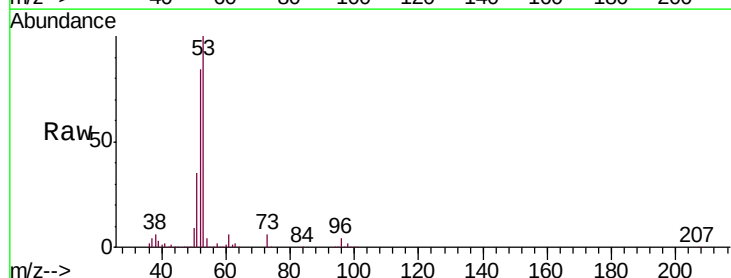
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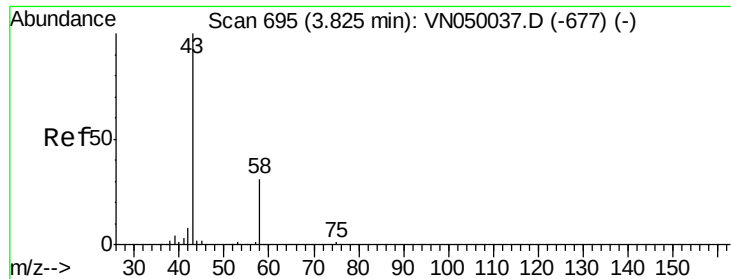
MMDadoda
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#14
Acrylonitrile
Concen: 801.83 ug/l
RT: 4.99 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.2	41.5	124.5
51	35.8	18.7	56.1





#15

Acetone

Concen: 681.48 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 558433

Ion Ratio Lower Upper

58 100

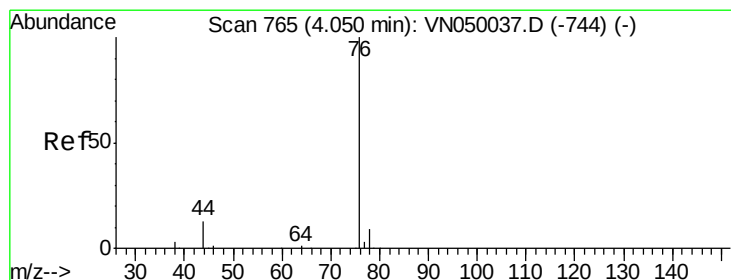
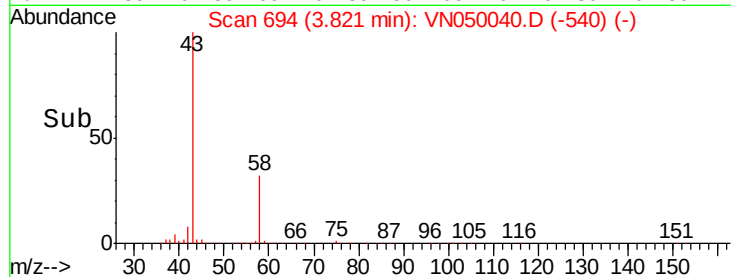
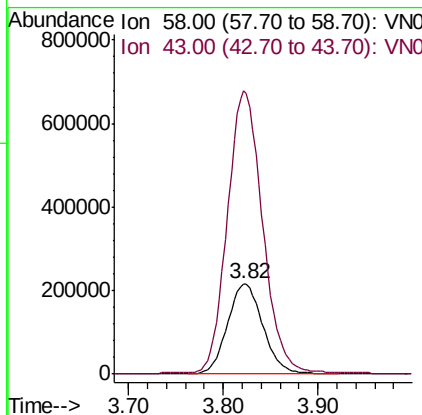
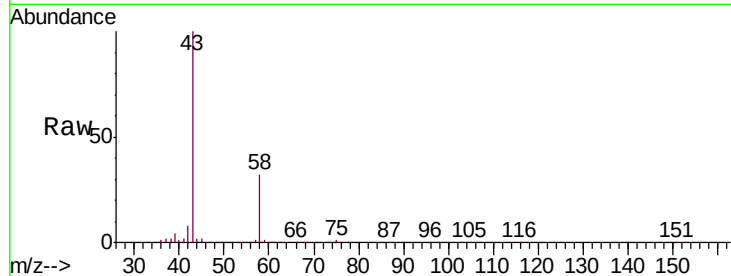
43 313.8 252.0 378.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 142.41 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050040.D

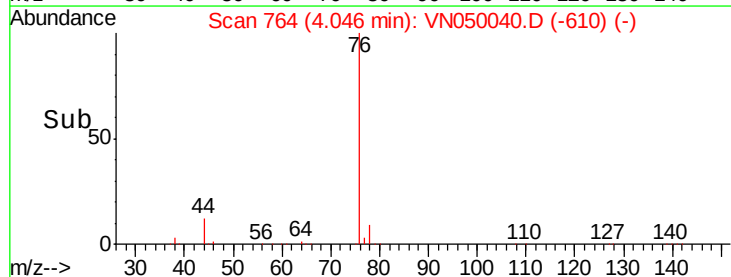
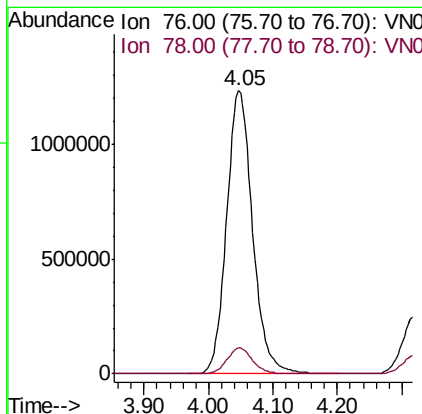
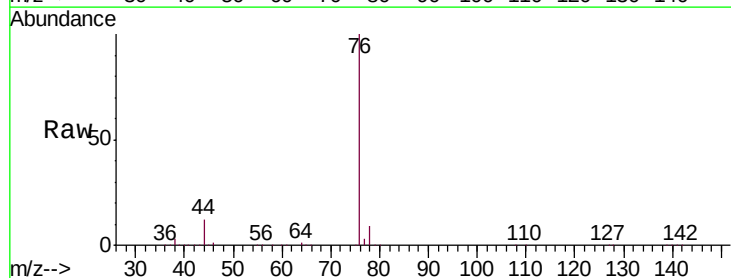
Acq: 25 Jul 2018 10:11

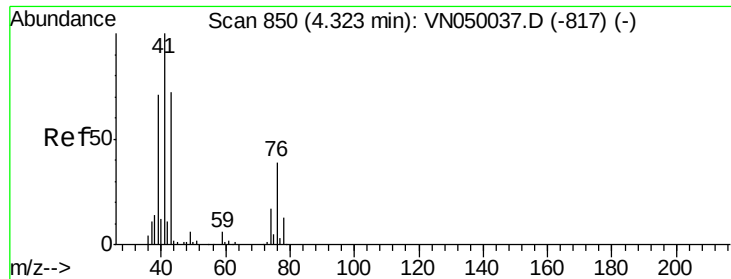
Tgt Ion: 76 Resp: 3449264

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#17

Allvl chloride

Concen: 157.72 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 1904819

Ion Ratio Lower Upper

41 100

39 68.6 35.4 106.3

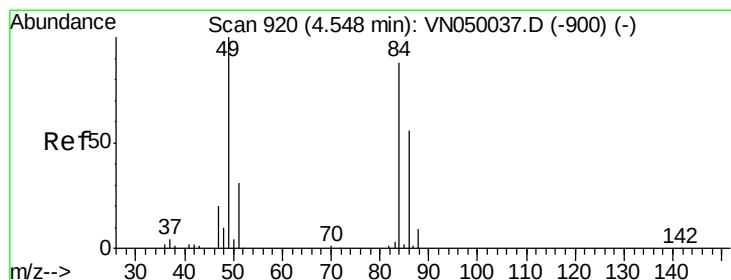
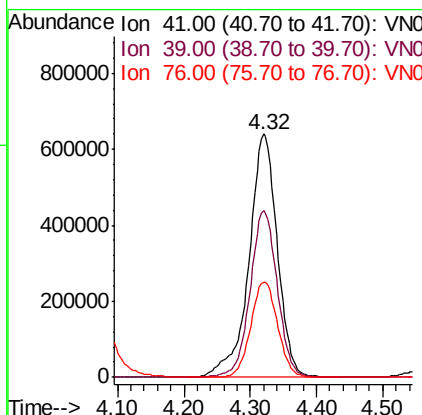
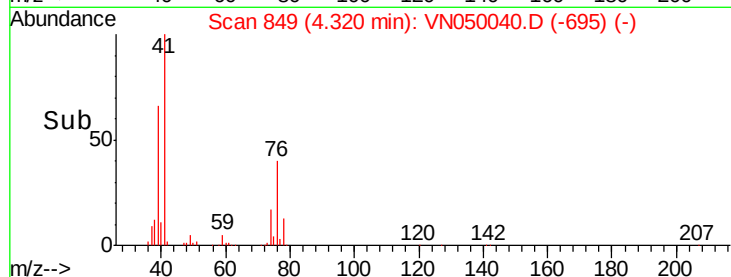
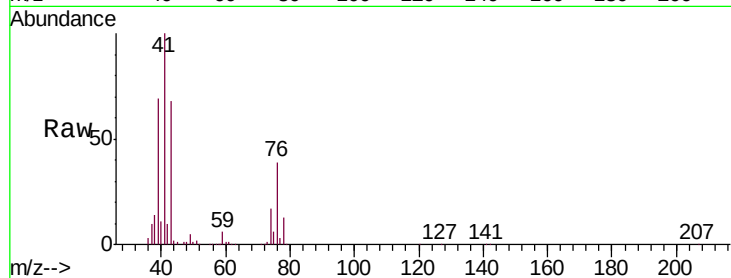
76 39.2 19.7 59.1

Manual Integrations

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#18

Methylene Chloride

Concen: 138.70 ug/l

RT: 4.55 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Tgt Ion: 84 Resp: 1268988

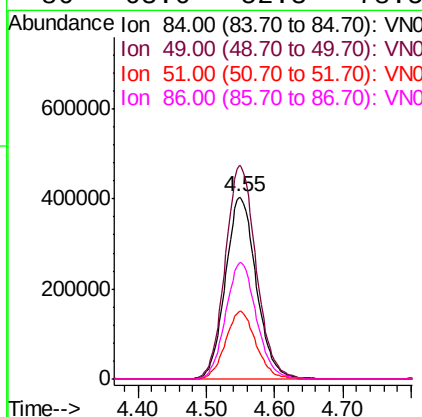
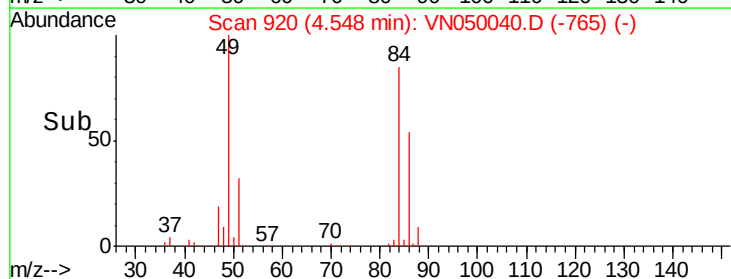
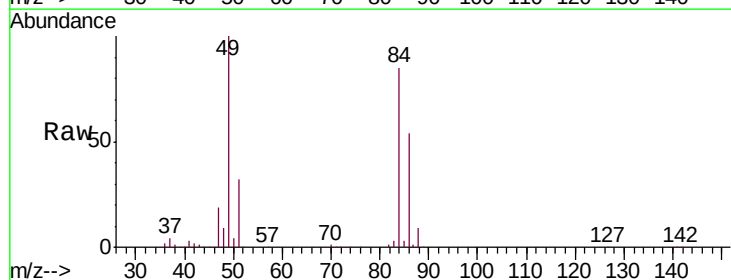
Ion Ratio Lower Upper

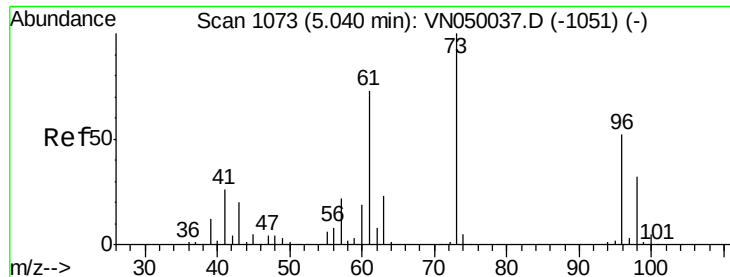
84 100

49 117.1 95.1 142.7

51 37.0 28.8 43.2

86 63.6 52.3 78.5





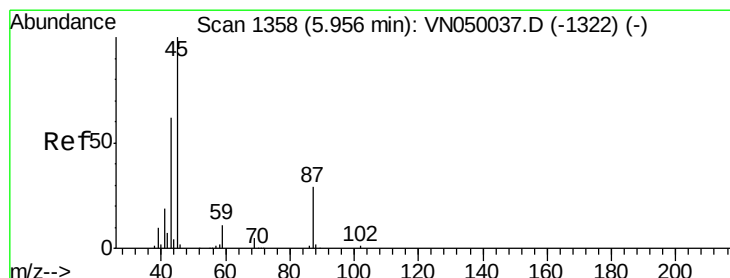
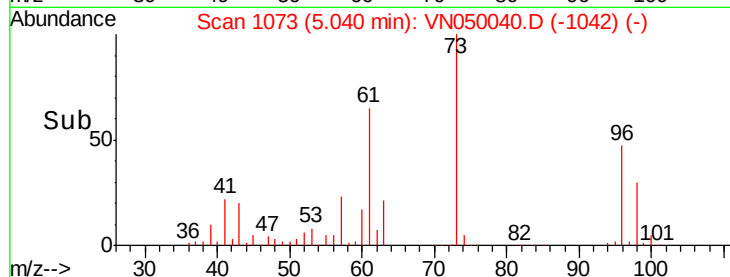
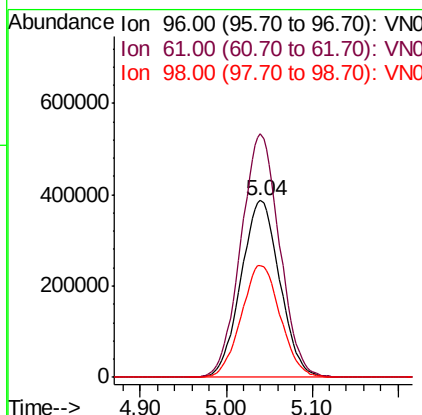
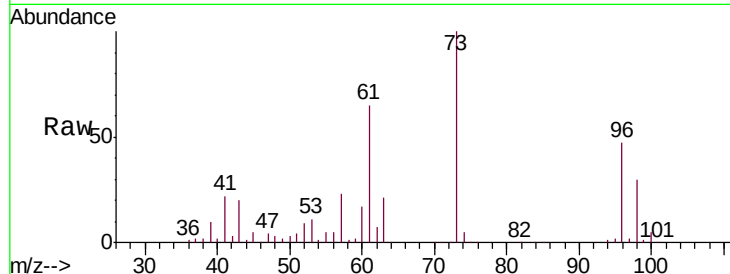
#19
trans-1,2-Dichloroethene
Concen: 143.01 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 1218412
Ion Ratio Lower Upper
96 100
61 137.8 112.1 168.1
98 63.6 51.3 76.9

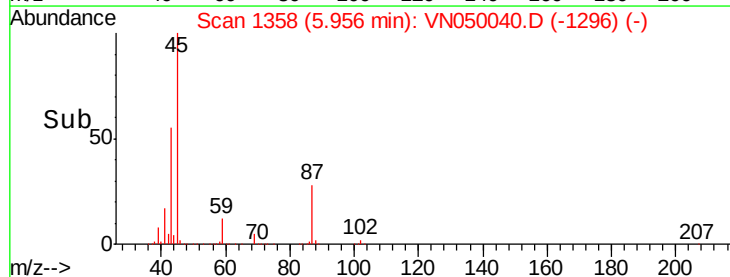
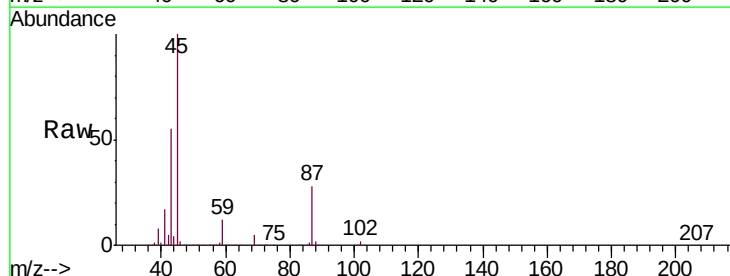
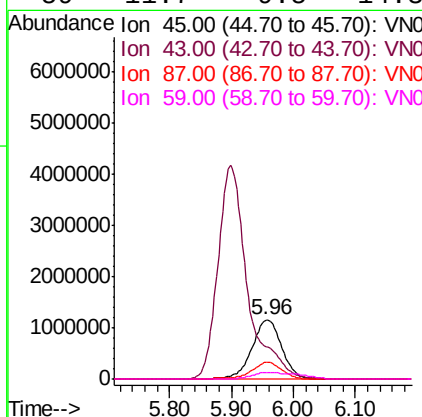
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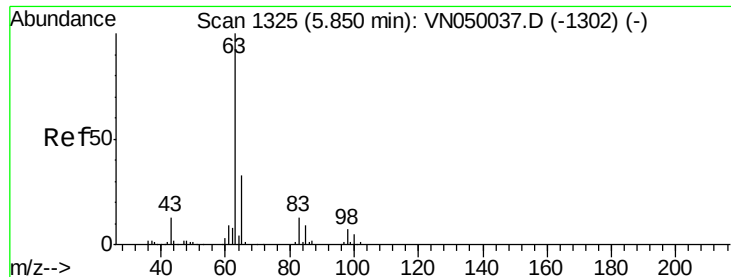
MMDadoda
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#20
Diisopropyl ether
Concen: 149.07 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Tgt Ion: 45 Resp: 3852159
Ion Ratio Lower Upper
45 100
43 54.7 46.6 70.0
87 28.2 22.3 33.5
59 11.7 9.5 14.3





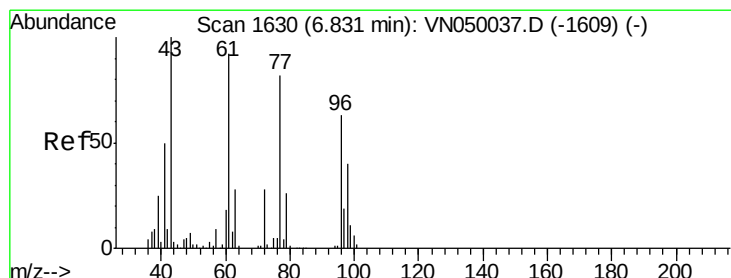
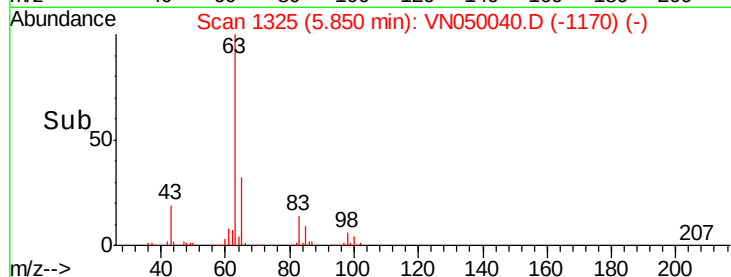
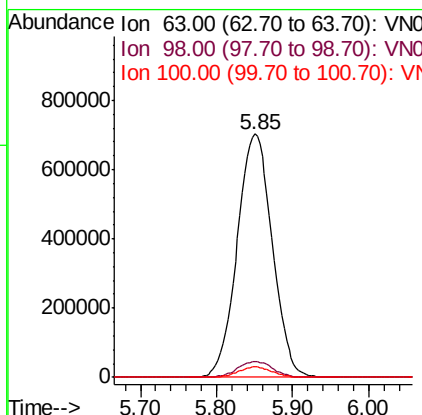
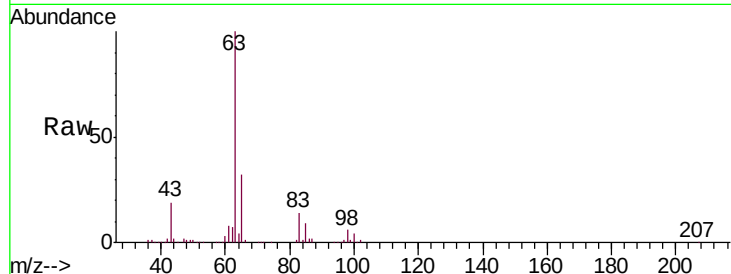
#21
 1,1-Dichloroethane
 Concen: 140.02 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.5	10.6
100	4.2	2.3	6.8

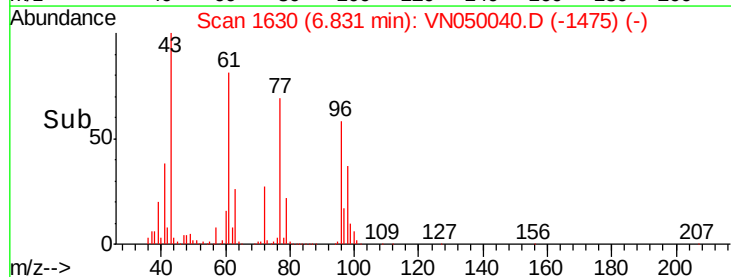
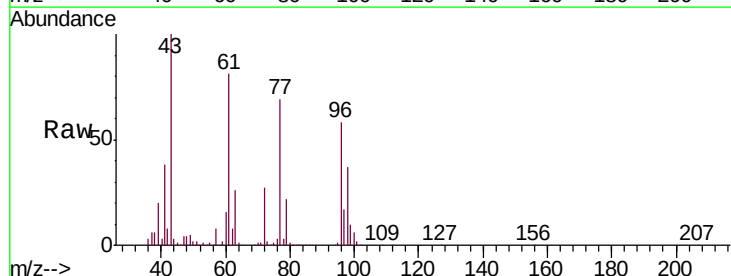
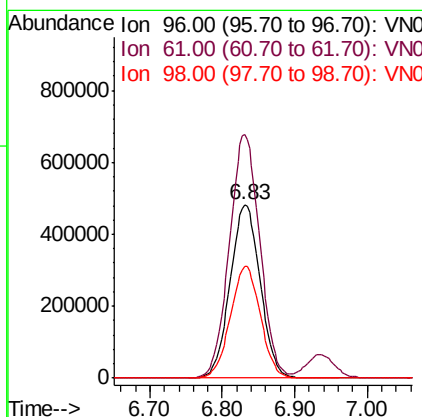
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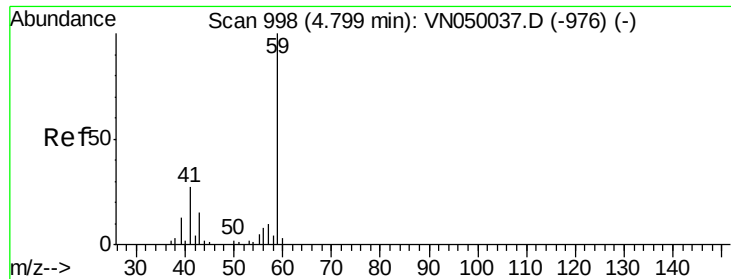
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 7/26/2018 3:54:02 PM



#22
 cis-1,2-Dichloroethene
 Concen: 150.60 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.9	114.2	171.2
98	64.3	51.7	77.5





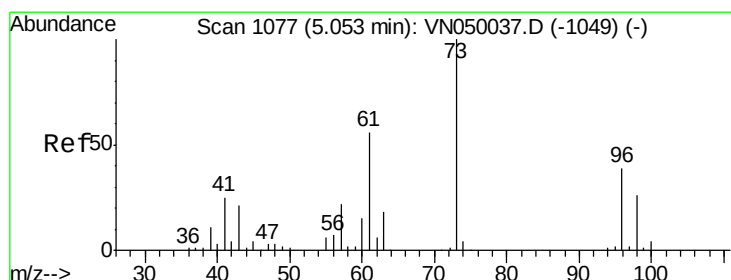
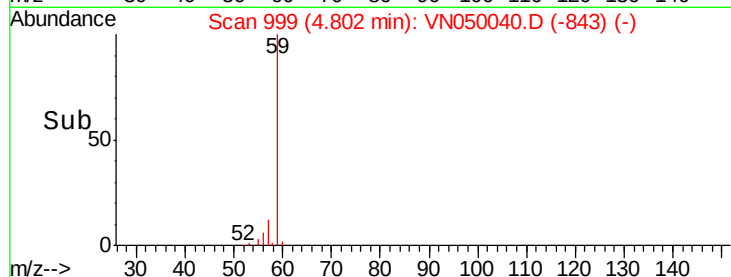
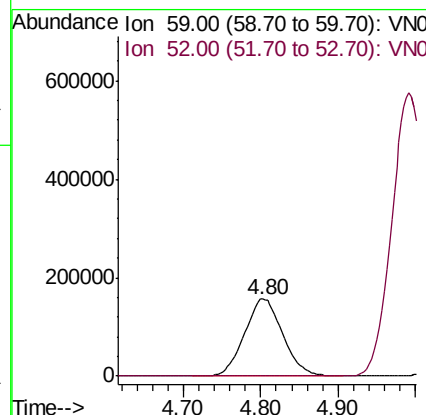
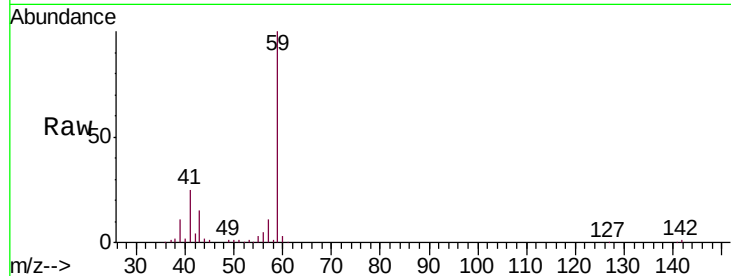
#23
 tert-Butyl Alcohol
 Concen: 845.20 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 59 Resp: 542399
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

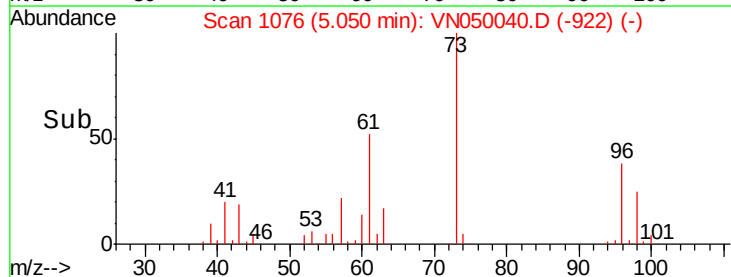
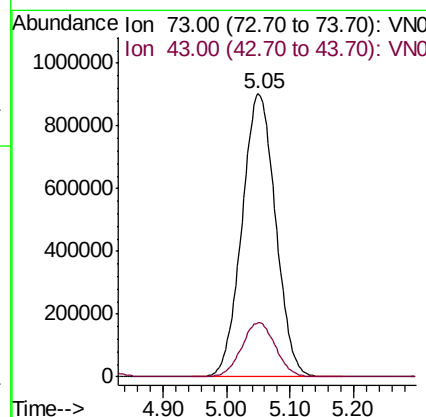
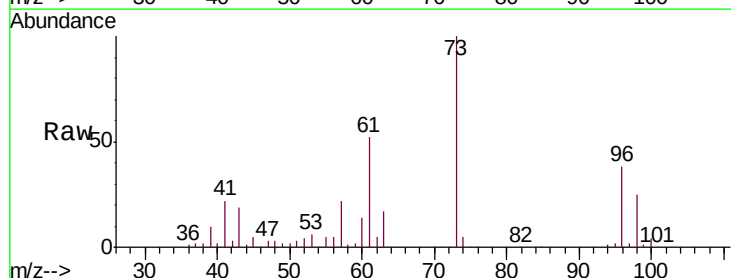
Manual Integrations
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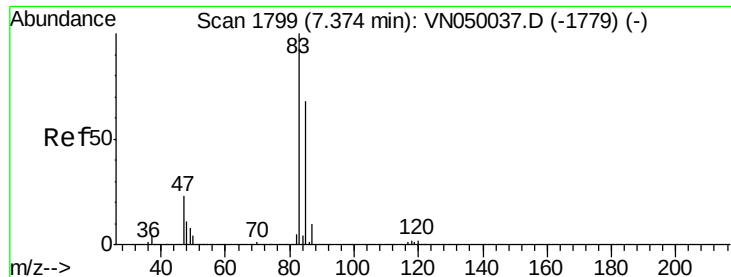
MMDadoda
 7/26/2018 3:54:02 PM



#24
 Methyl tert-Butyl Ether
 Concen: 156.70 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Tgt Ion: 73 Resp: 3311705
 Ion Ratio Lower Upper
 73 100
 43 19.3 15.5 23.3





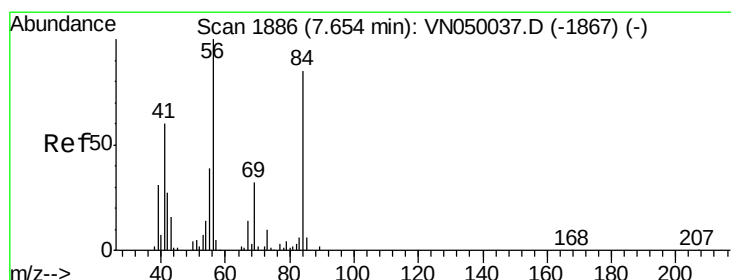
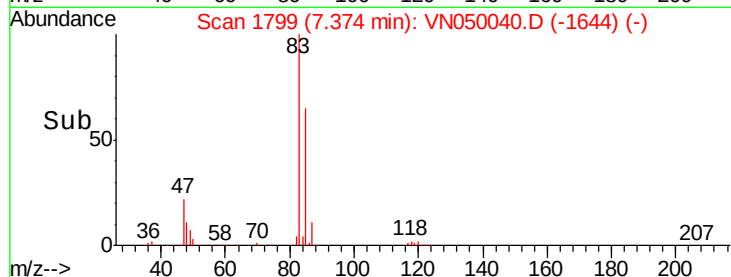
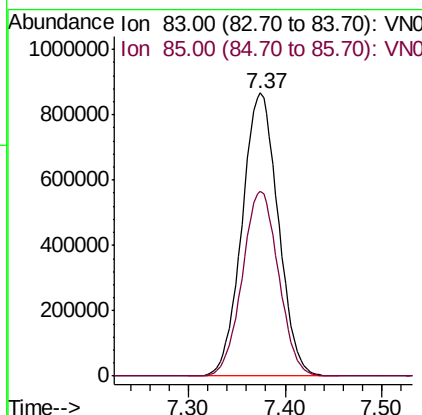
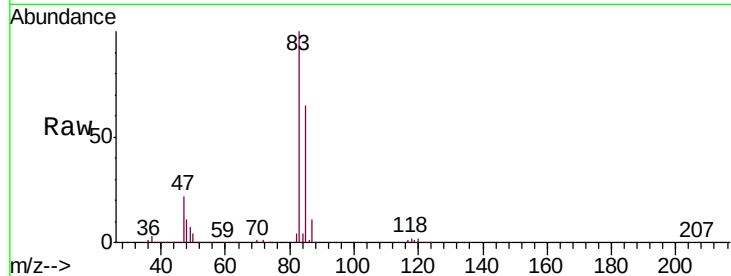
#25
Chloroform
Concen: 136.84 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 2252684
Ion Ratio Lower Upper
83 100
85 65.3 52.1 78.1

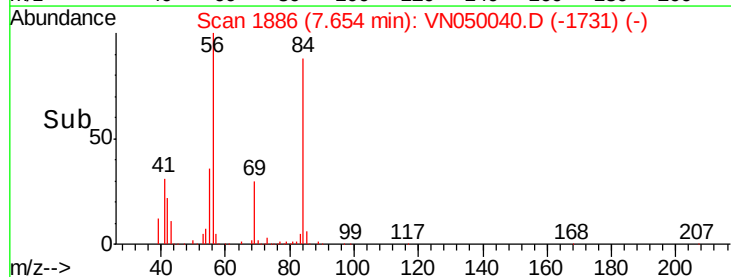
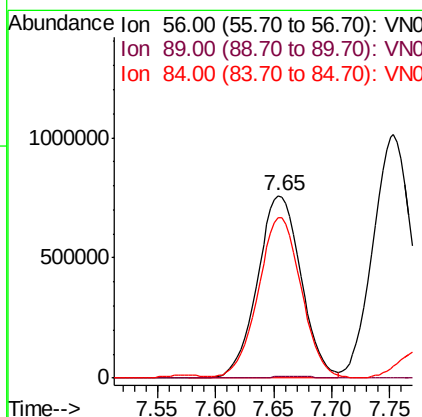
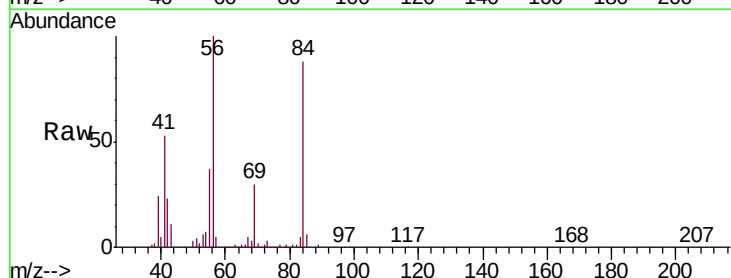
Manual Integrations
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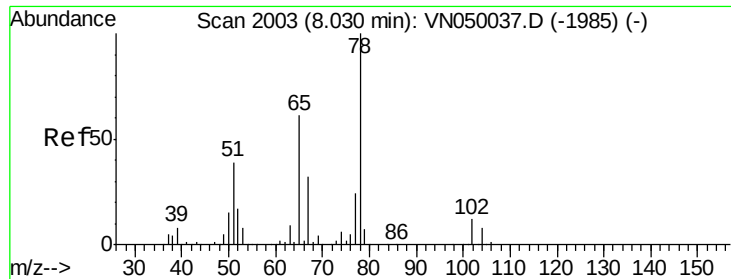
MMDadoda
7/26/2018 3:54:02 PM



#26
Cyclohexane
Concen: 156.34 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Tgt Ion: 56 Resp: 1983124
Ion Ratio Lower Upper
56 100
89 1.0 3.0 4.4#
84 87.2 69.8 104.8





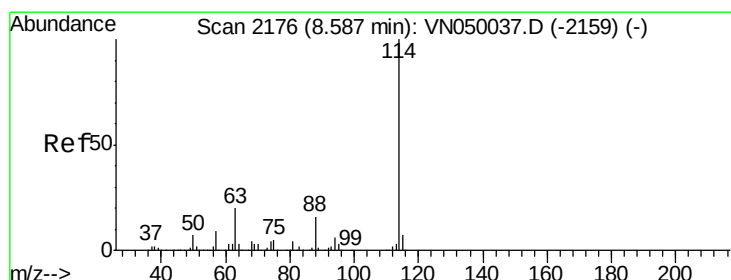
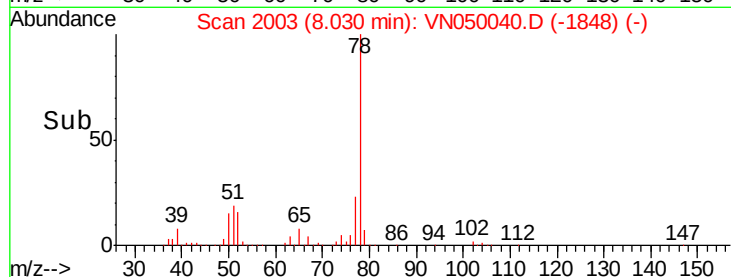
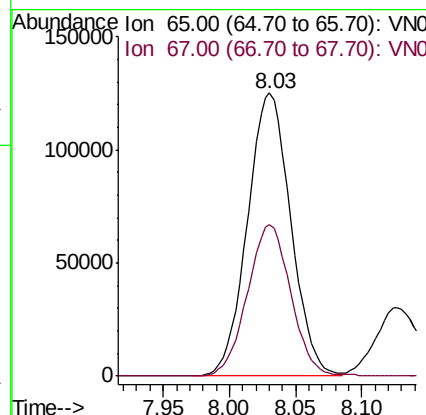
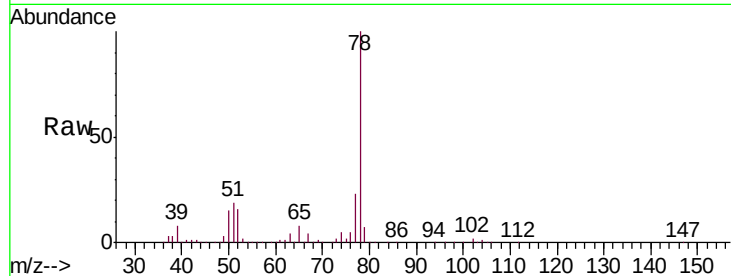
#27
 1,2-Dichloroethane-d4
 Concen: 28.79 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	285342		
67	53.0		42.7	64.1

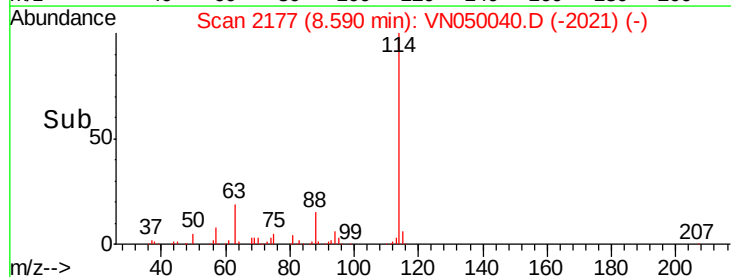
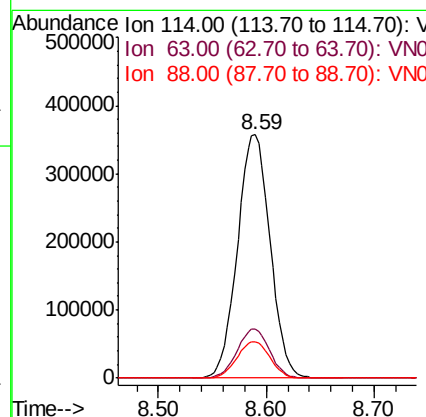
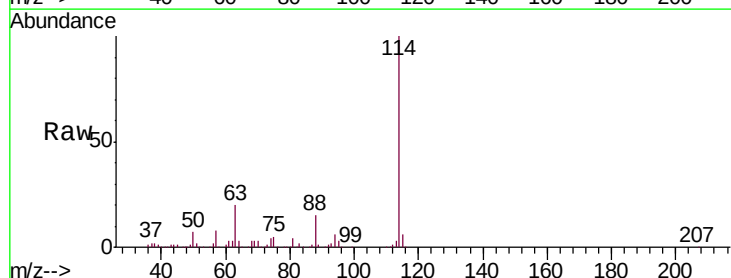
Manual Integrations
 APPROVED

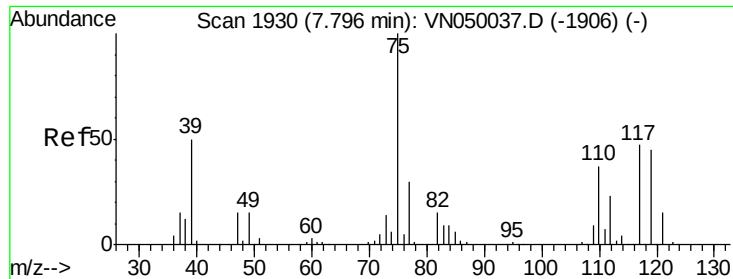
MMDadoda
 7/26/2018 3:54:02 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	753310		
63	20.2		16.2	24.2
88	15.1		12.3	18.5





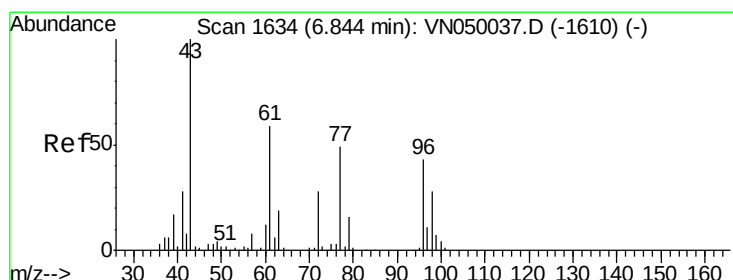
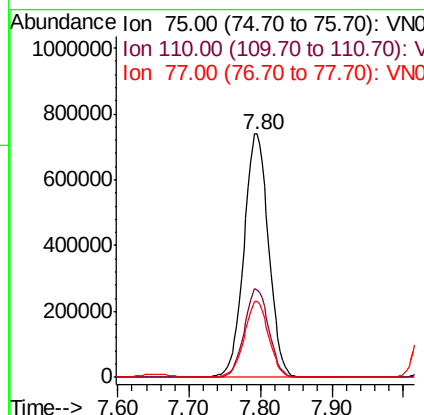
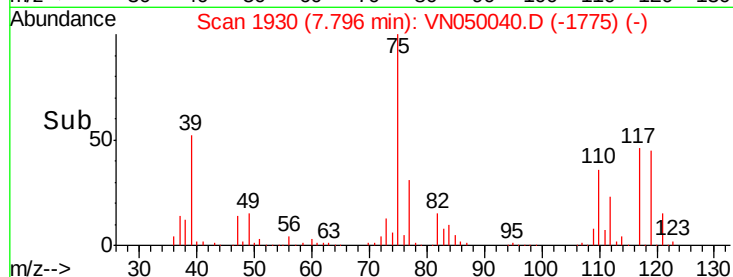
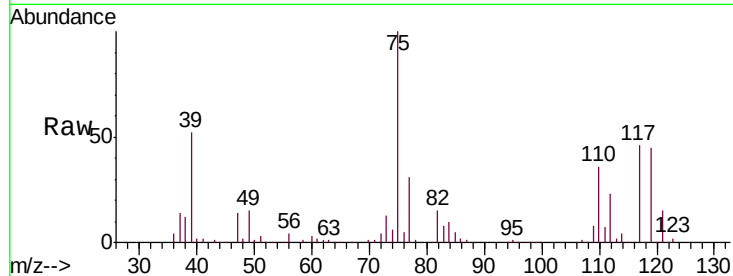
#29
 1,1-Dichloropropene
 Concen: 145.13 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 1779330
 Ion Ratio Lower Upper
 75 100
 110 36.0 0.0 73.2
 77 30.8 0.0 62.0

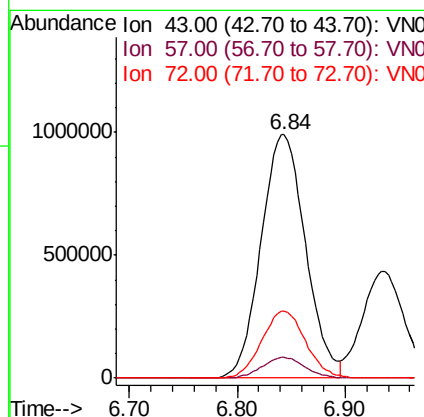
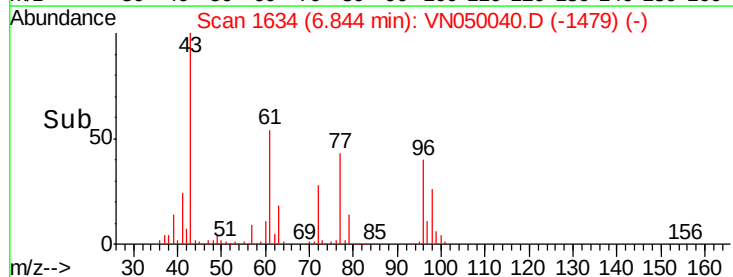
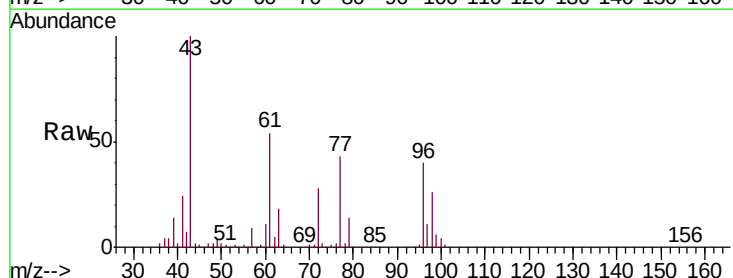
Manual Integrations
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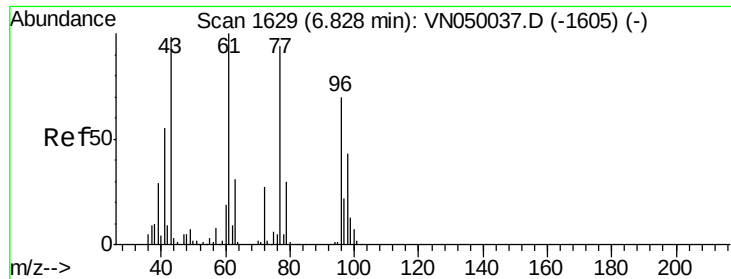
MMDadoda
 7/26/2018 3:54:02 PM



#30
 2-Butanone
 Concen: 780.56 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Tgt Ion: 43 Resp: 2825462
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.8 10.2
 72 27.5 21.4 32.0





#31

2,2-Dichloropropane

Concen: 137.95 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 77 Resp: 1846130

Ion Ratio Lower Upper

77 100

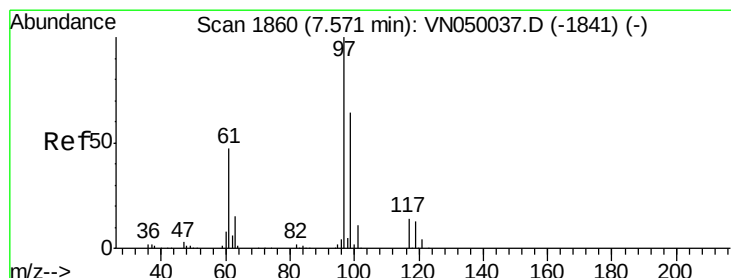
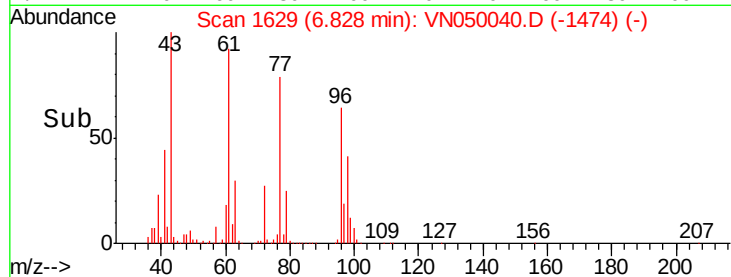
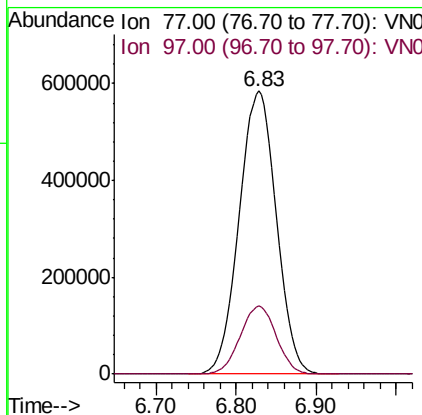
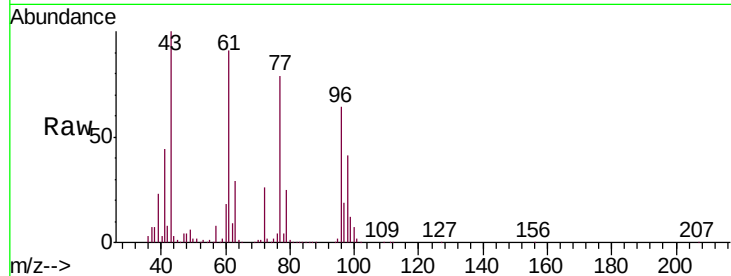
97 23.5 18.9 28.3

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 139.72 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

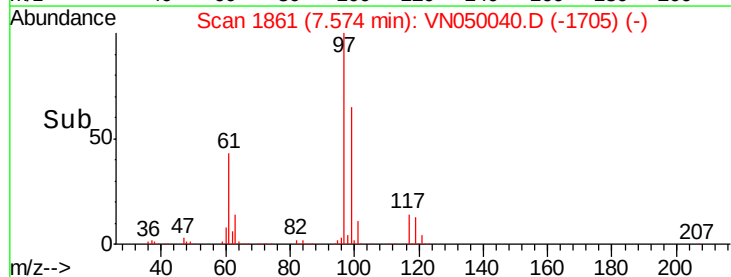
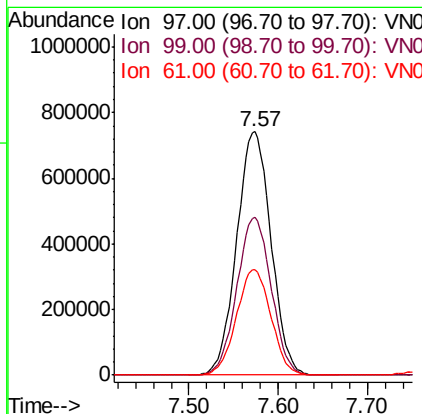
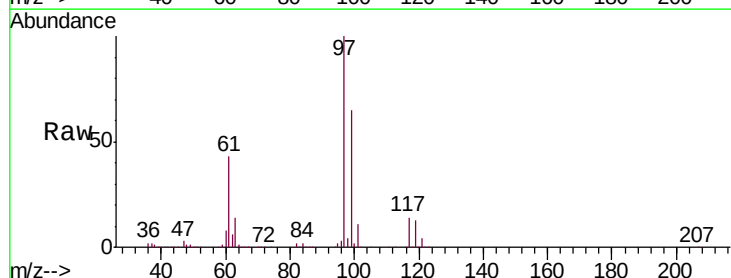
Tgt Ion: 97 Resp: 1978830

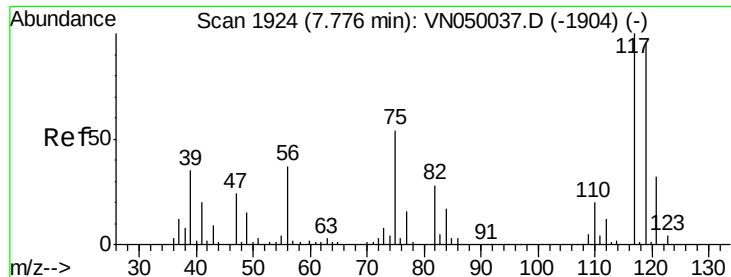
Ion Ratio Lower Upper

97 100

99 64.8 51.2 76.8

61 43.6 35.3 52.9





#33

Carbon Tetrachloride

Concen: 141.15 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:117 Resp: 1766136

Ion Ratio Lower Upper

117 100

119 96.8 76.9 115.3

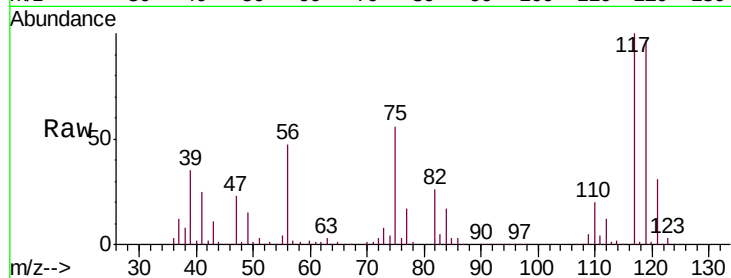
121 30.9 24.4 36.6

Manual Integrations

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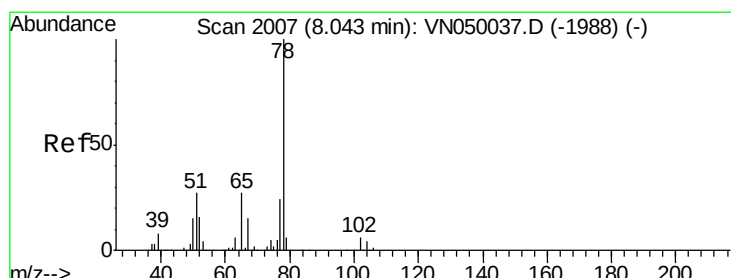
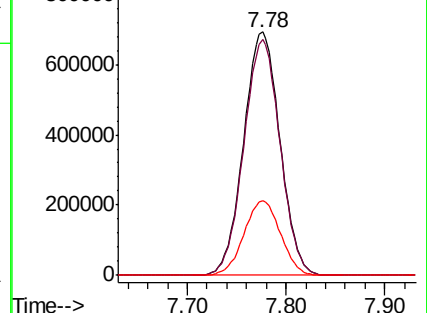
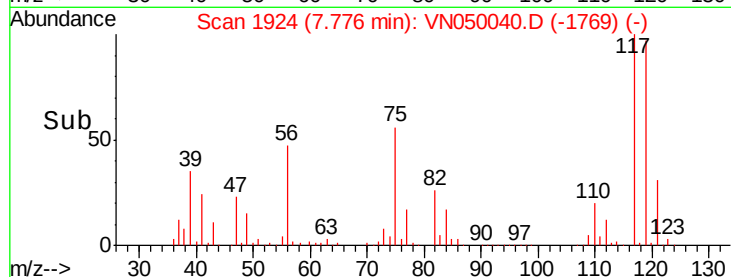
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 142.25 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

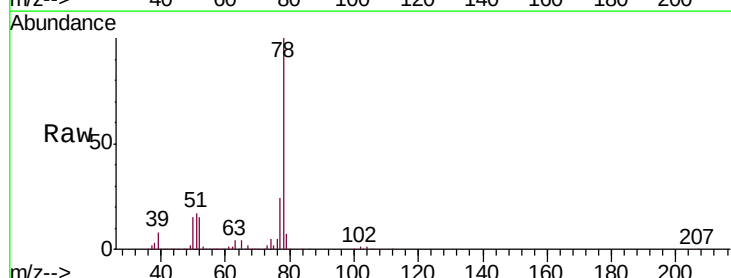
Tgt Ion: 78 Resp: 5214686

Ion Ratio Lower Upper

78 100

77 23.6 19.1 28.7

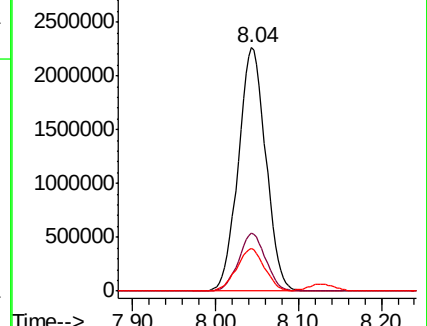
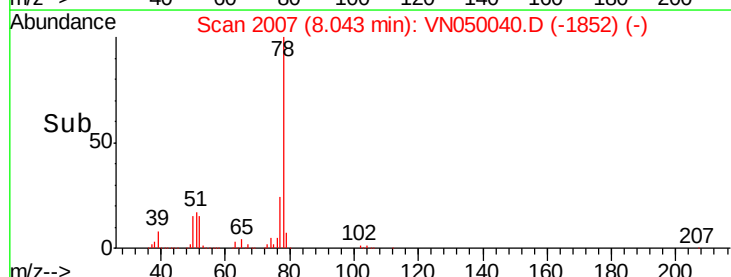
51 17.4 21.0 31.4#

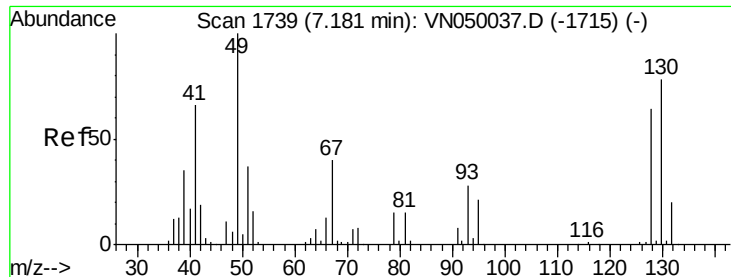


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





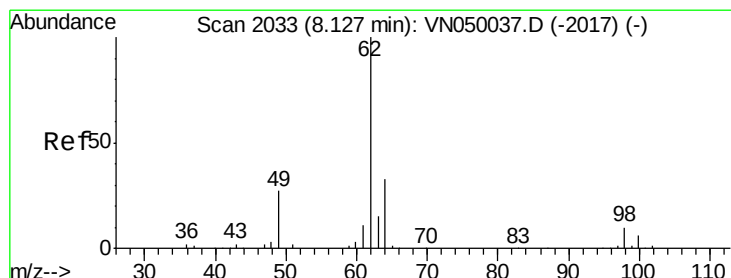
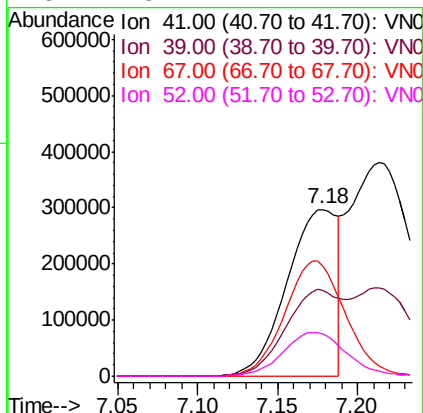
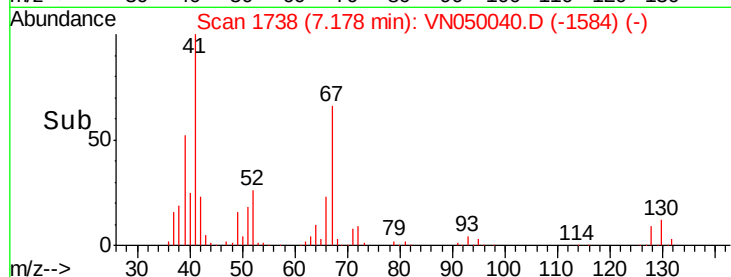
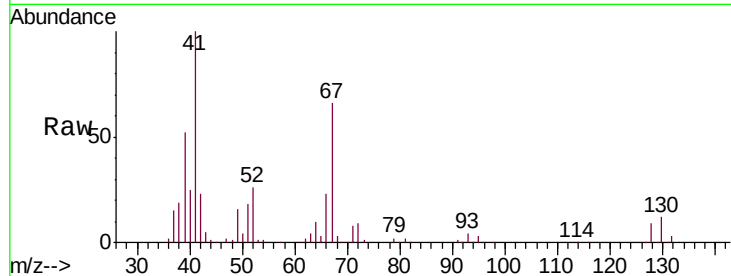
#35
Methacrylonitrile
Concen: 165.29 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.5	27.6	82.7	
67	66.2	35.1	105.5	
52	25.4	14.1	42.4	

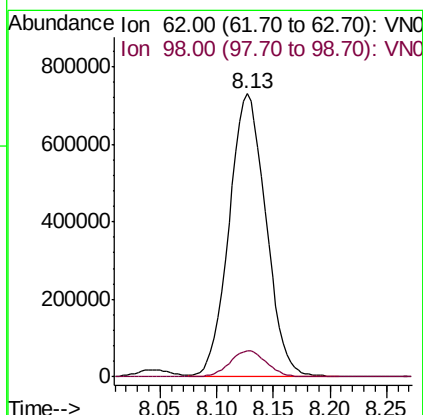
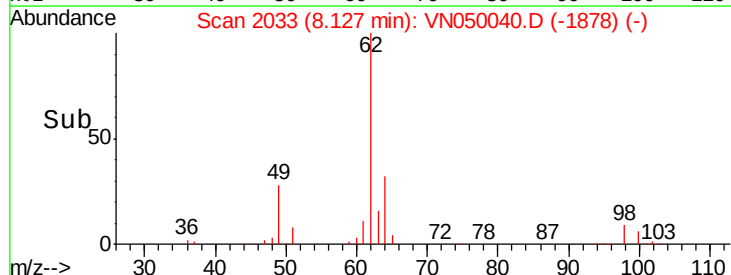
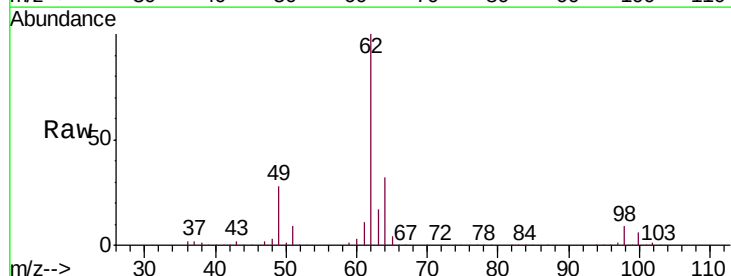
Manual Integrations
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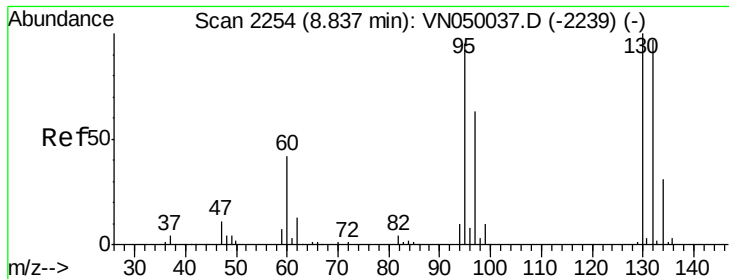
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#36
1,2-Dichloroethane
Concen: 137.18 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	7.8	11.6	





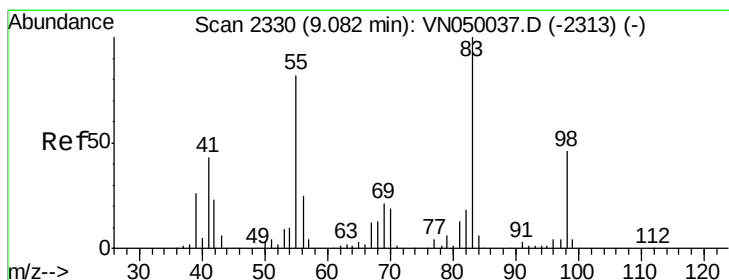
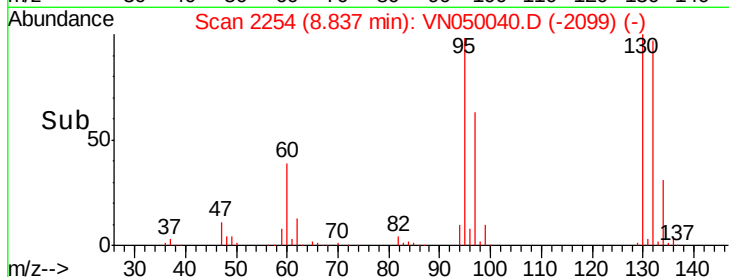
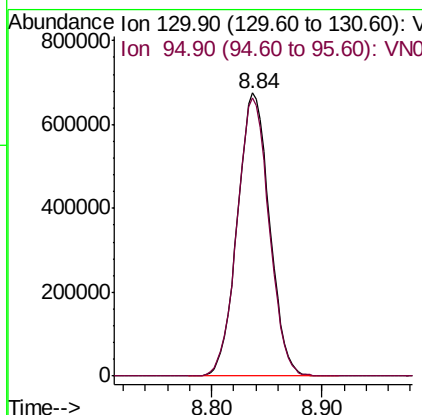
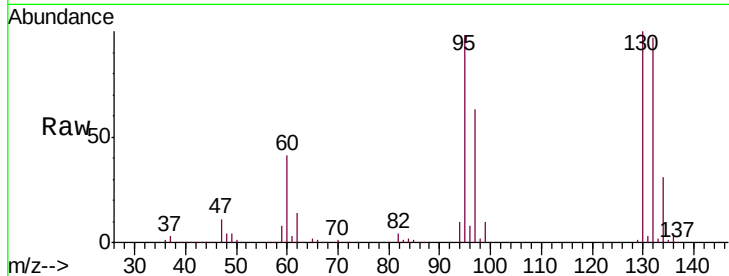
#37
 Trichloroethene
 Concen: 143.13 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:130 Resp: 1364906
 Ion Ratio Lower Upper
 130 100
 95 98.4 79.7 119.5

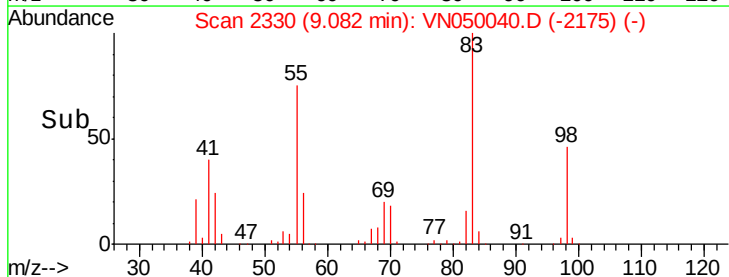
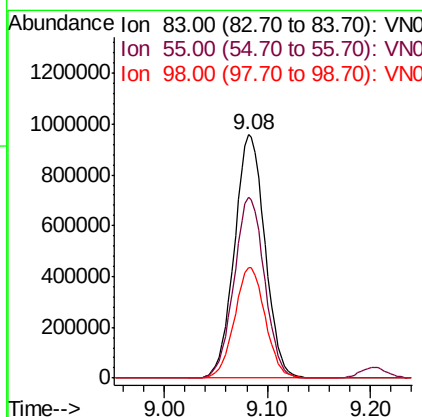
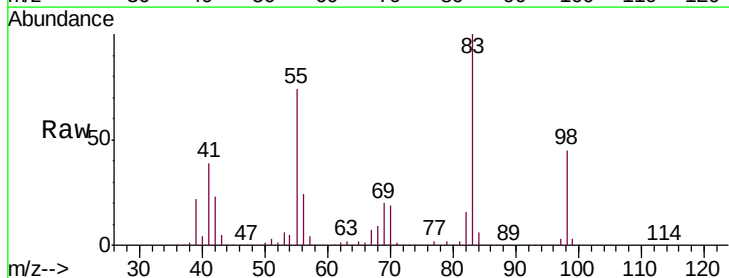
Manual Integrations
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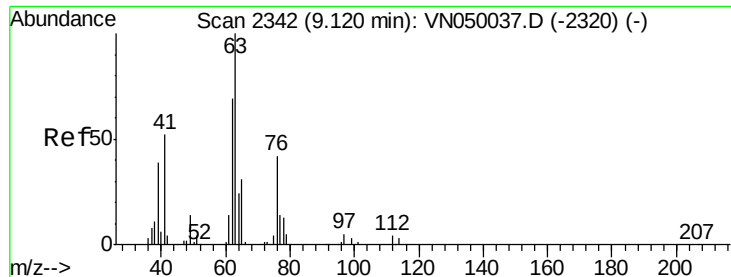
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#38
 Methylcyclohexane
 Concen: 160.50 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Tgt Ion: 83 Resp: 1972846
 Ion Ratio Lower Upper
 83 100
 55 74.6 39.3 117.8
 98 45.8 23.0 69.0





#39

1,2-Dichloropropane

Concen: 141.94 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1367462

Ion Ratio Lower Upper

63 100

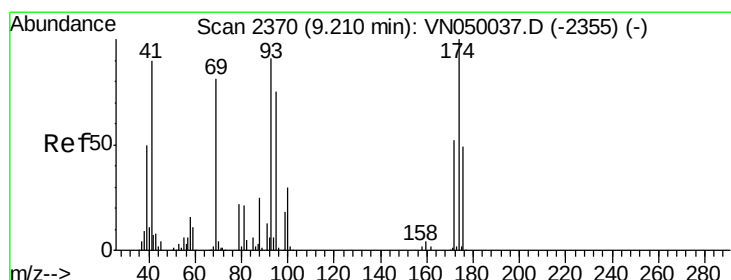
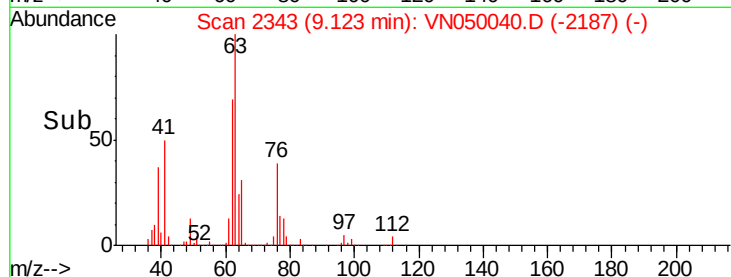
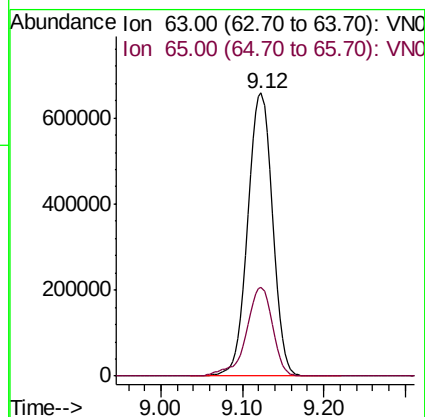
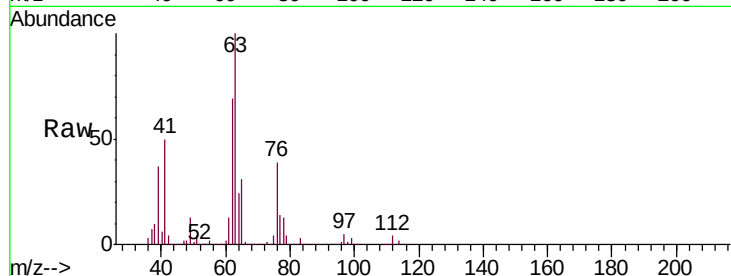
65 31.2 24.2 36.2

Manual Integrations

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#40

Dibromomethane

Concen: 143.80 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

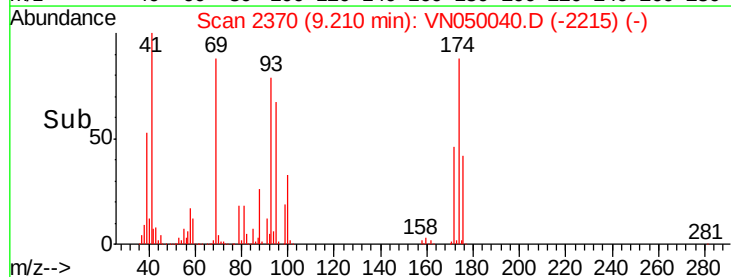
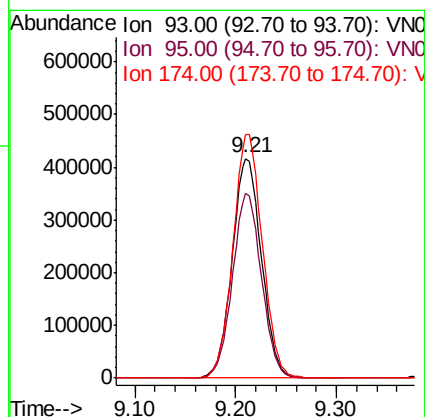
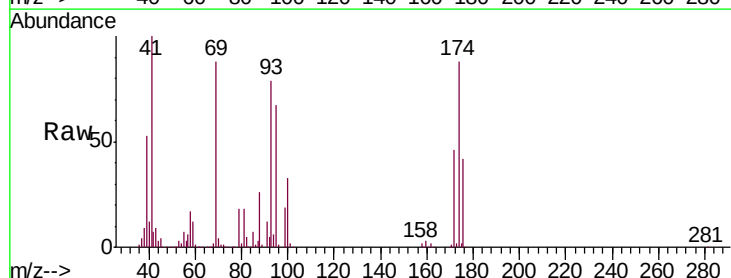
Tgt Ion: 93 Resp: 842264

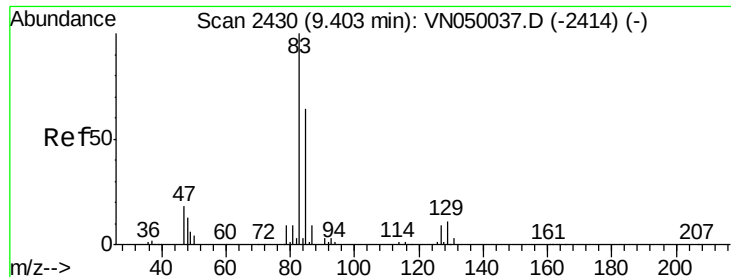
Ion Ratio Lower Upper

93 100

95 83.4 0.0 165.6

174 111.0 0.0 223.2





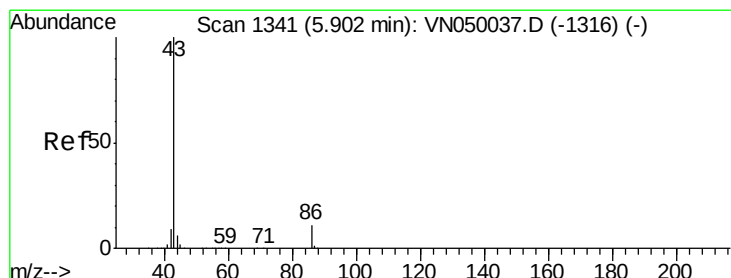
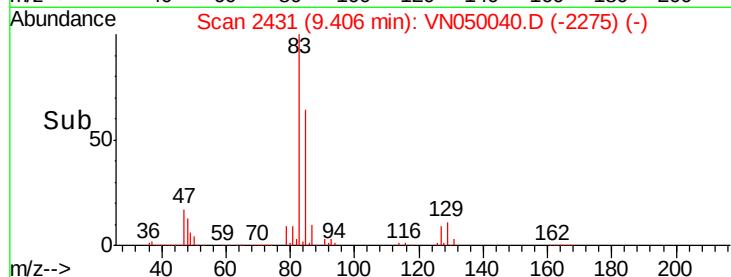
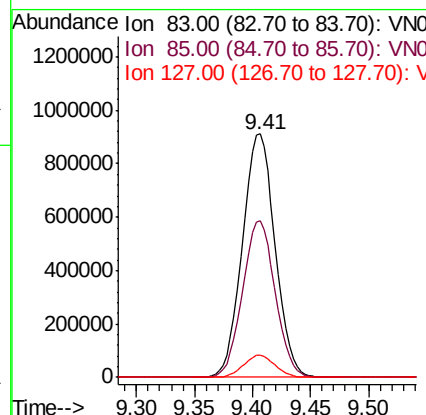
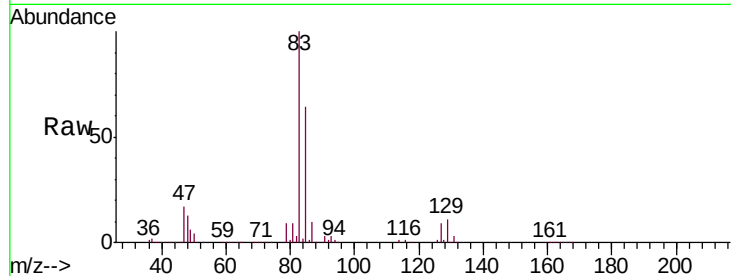
#41
 Bromodichloromethane
 Concen: 143.94 ug/l
 RT: 9.41 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	83	Resp	1784882
Ion Ratio	100		
Lower	52.6		
Upper	78.8		
85	64.3		
127	9.0		
	7.0		
	10.4		

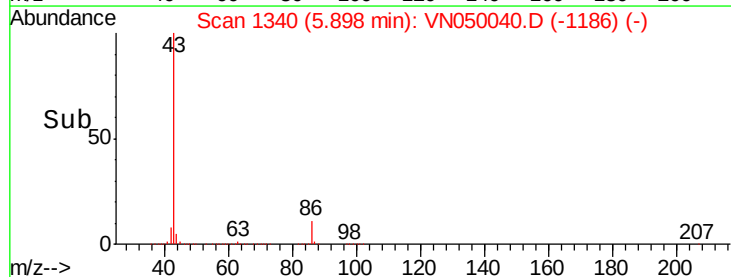
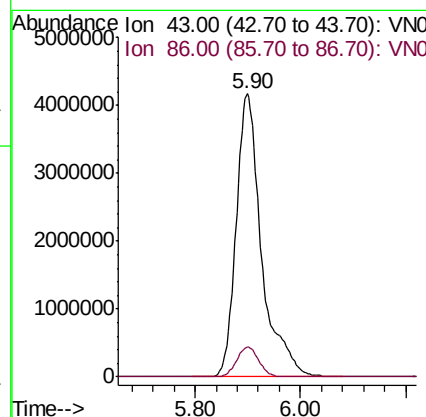
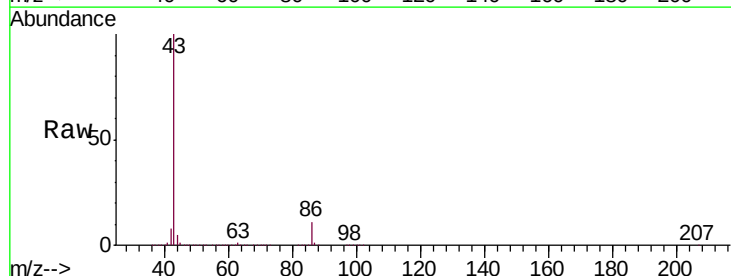
Manual Integrations
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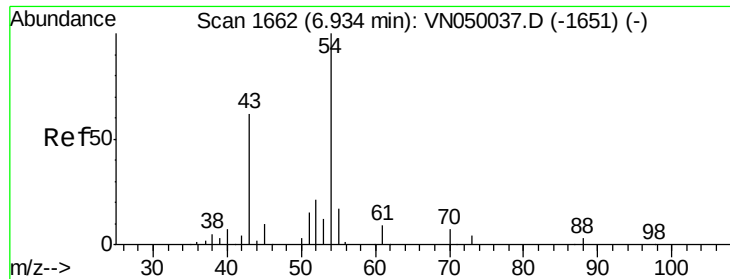
MMDadoda
 7/26/2018 3:54:02 PM



#42
 Vinyl Acetate
 Concen: 809.59 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Tgt Ion	43	Resp	13867828
Ion Ratio	100		
Lower	7.3		
Upper	10.9		
86	9.2		





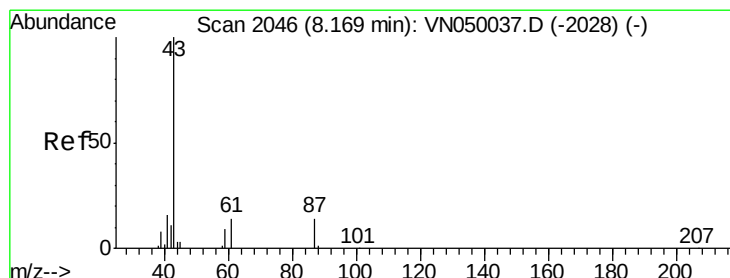
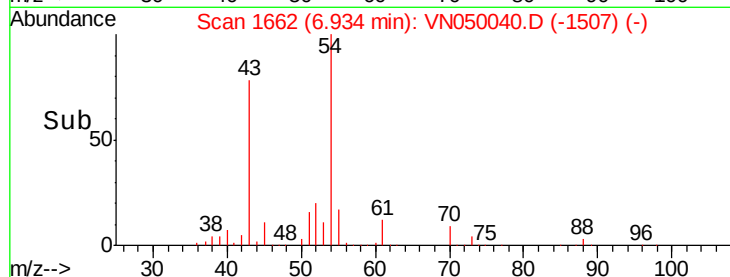
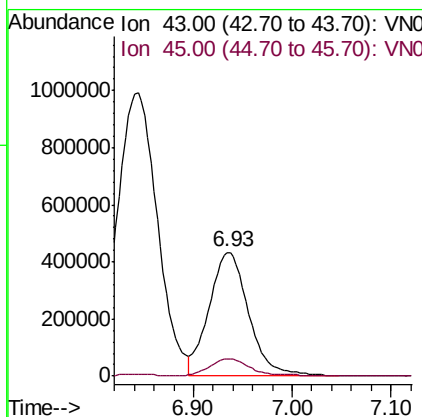
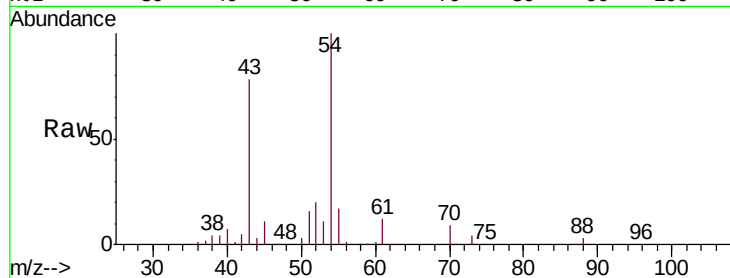
#43
Ethyl Acetate
Concen: 153.58 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1199313
Ion Ratio Lower Upper
43 100
45 15.0 13.0 19.6

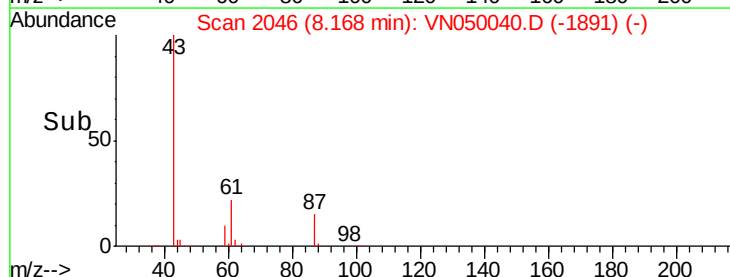
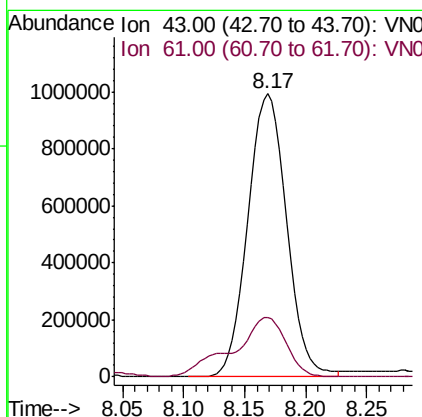
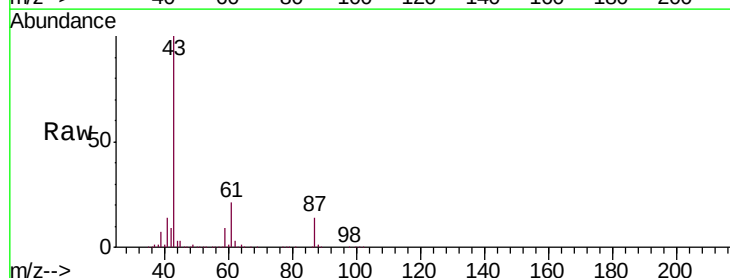
Manual Integrations
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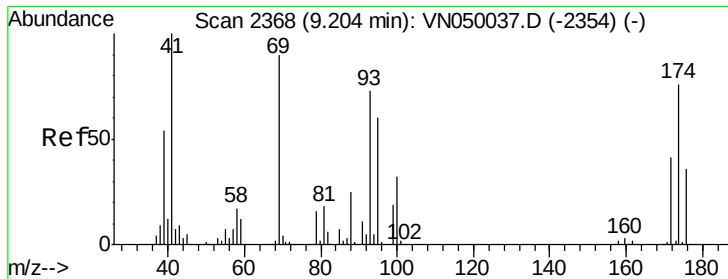
MMDadoda
7/26/2018 3:54:02 PM



#44
Isopropyl Acetate
Concen: 152.91 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Tgt Ion: 43 Resp: 2185096
Ion Ratio Lower Upper
43 100
61 20.5 16.4 24.6





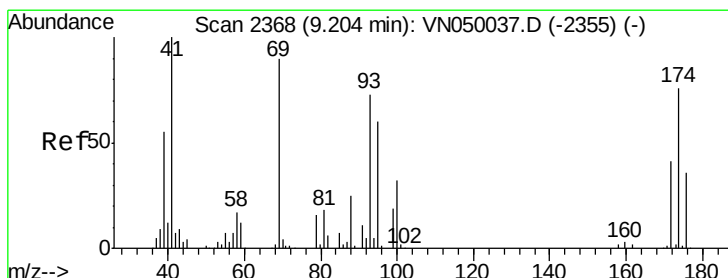
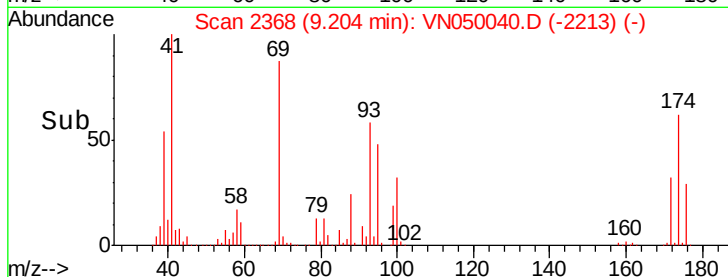
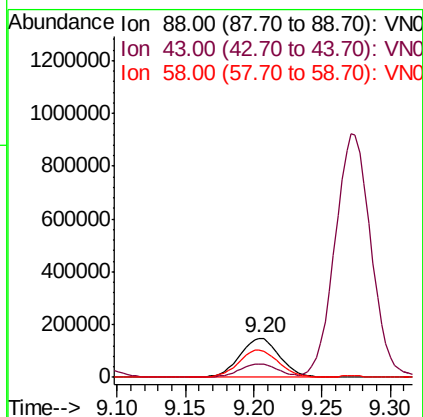
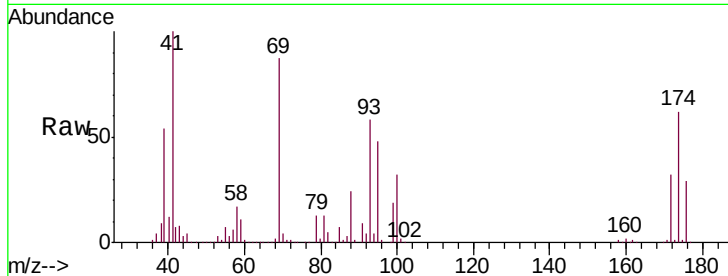
#45
 1,4-Dioxane
 Concen: 3216.88 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	26.9	40.3
58	70.0	53.6	80.4

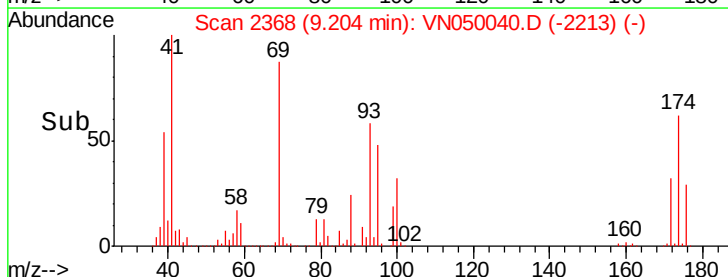
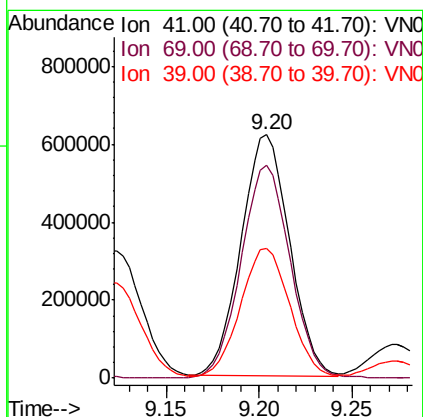
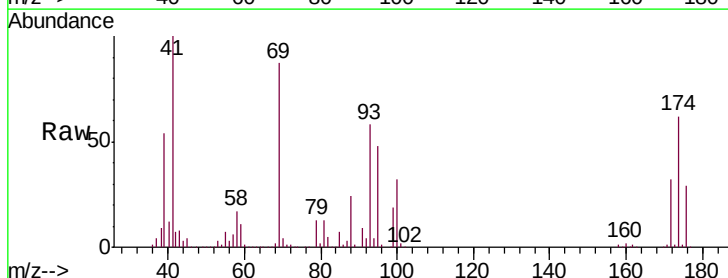
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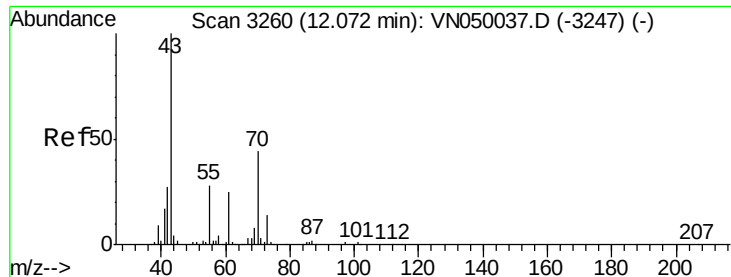
MMDadoda
 7/26/2018 3:54:02 PM



#46
 Methyl methacrylate
 Concen: 165.13 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.0	44.0	132.1
39	53.4	27.0	80.8





#47

n-amvl Acetate

Concen: 191.96 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1953901

Ion Ratio Lower Upper

43 100

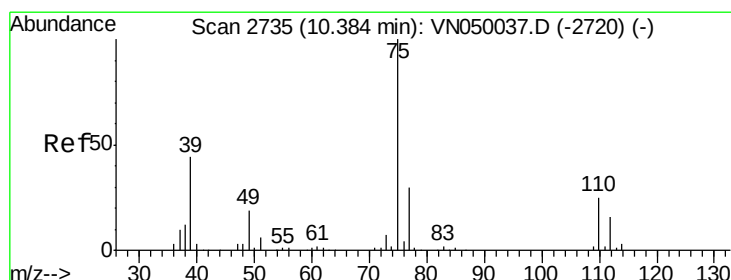
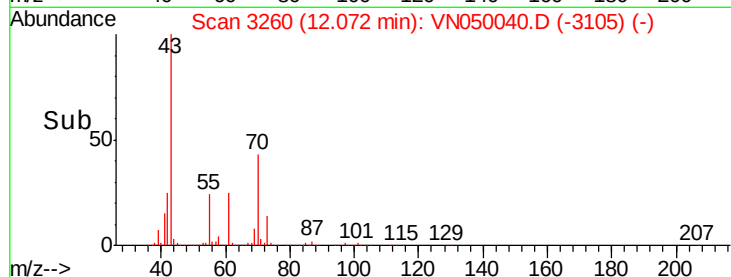
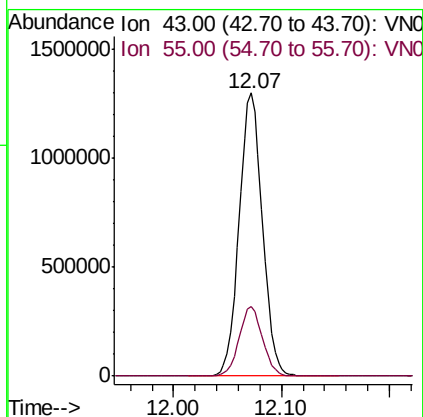
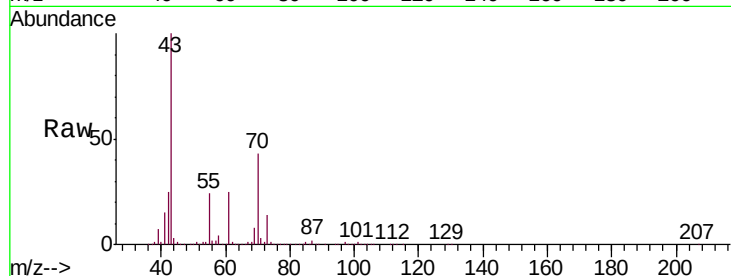
55 24.9 21.0 31.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 144.86 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VN050040.D

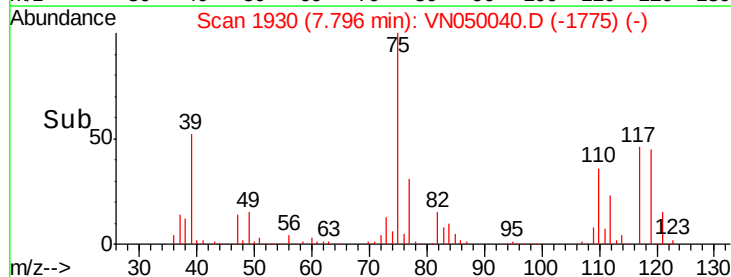
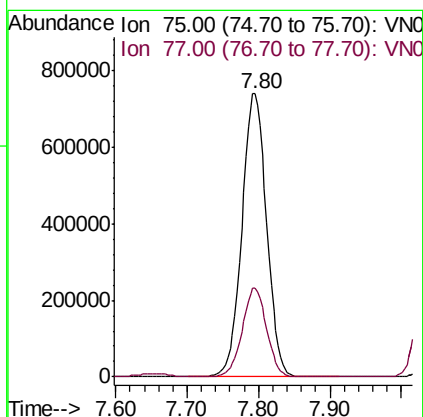
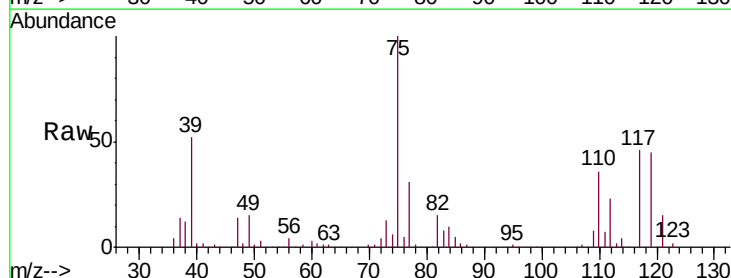
Acq: 25 Jul 2018 10:11

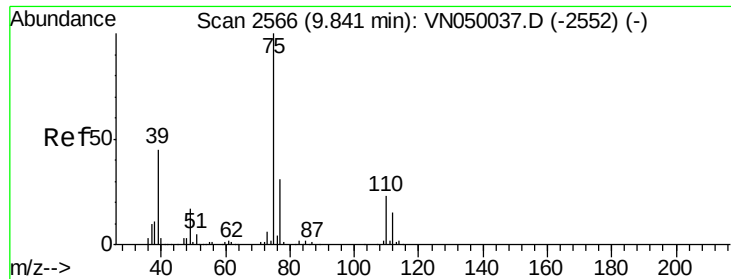
Tgt Ion: 75 Resp: 1779330

Ion Ratio Lower Upper

75 100

77 31.4 24.6 37.0





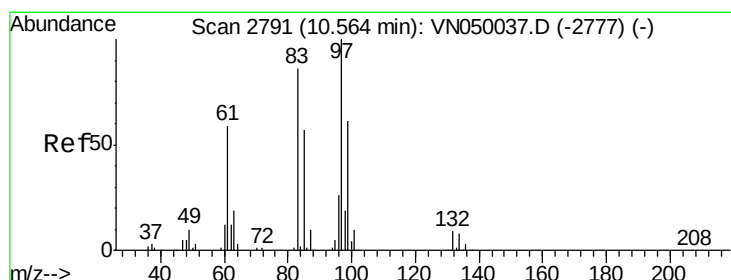
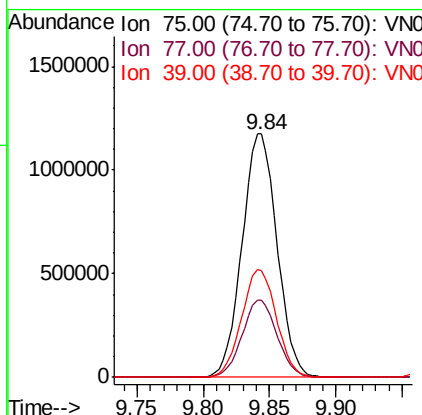
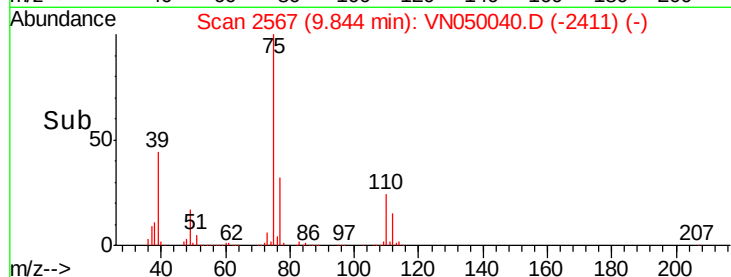
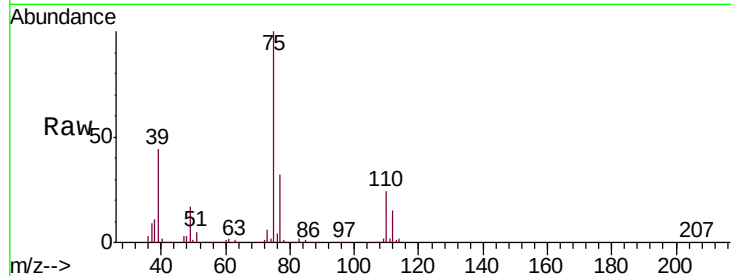
#49
 cis-1,3-Dichloropropene
 Concen: 156.70 ug/l
 RT: 9.84 min Scan# 2567
 Delta R.T. 0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5
39	44.0	36.3	54.5

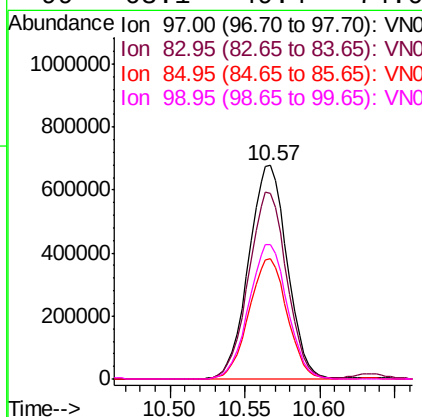
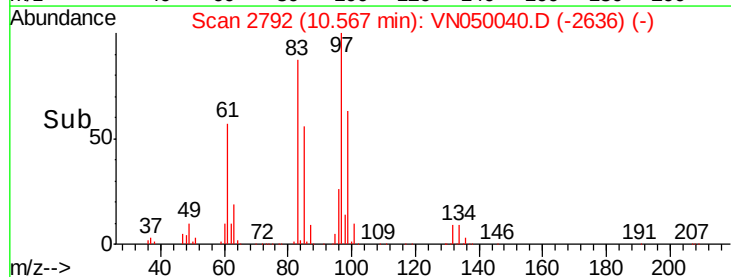
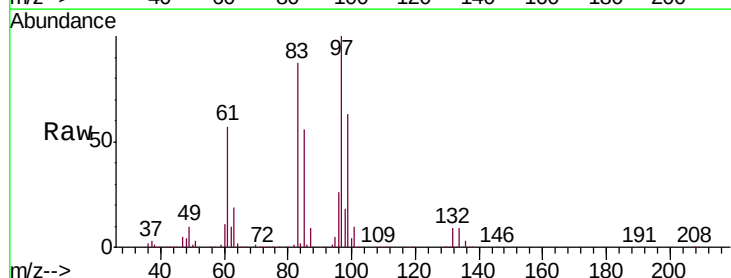
Manual Integrations
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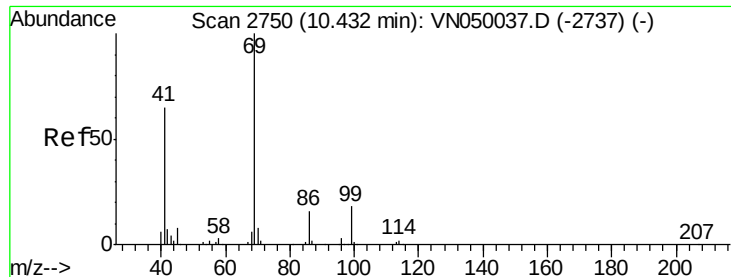
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#50
 1,1,2-Trichloroethane
 Concen: 144.32 ug/l
 RT: 10.57 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.1	102.1
85	56.2	45.4	68.2
99	63.1	49.4	74.0





#51

Ethyl methacrylate

Concen: 181.53 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 69 Resp: 1701445

Ion Ratio Lower Upper

69 100

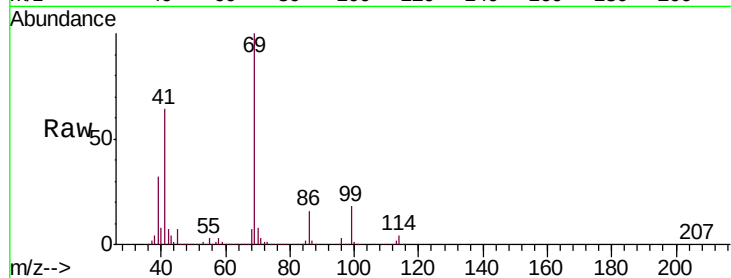
41 63.7 31.9 95.9

39 32.1 16.7 50.1

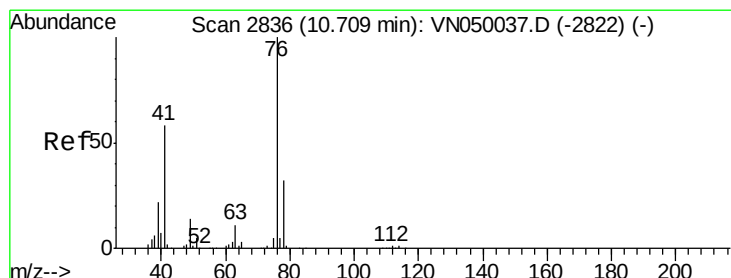
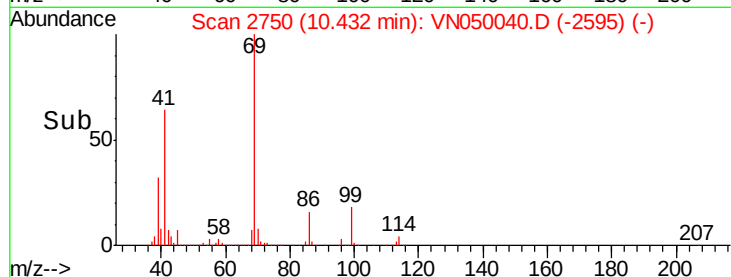
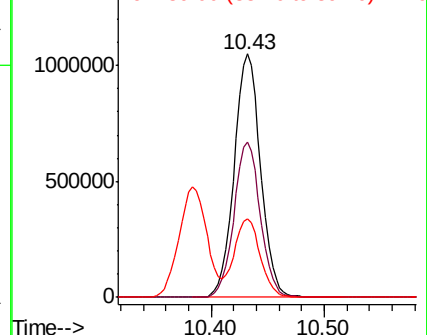
Manual Integrations
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Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 147.53 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN050040.D

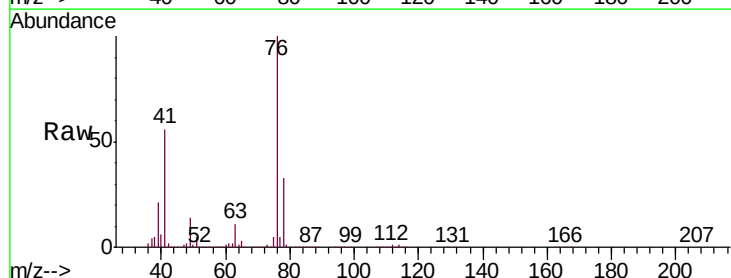
Acq: 25 Jul 2018 10:11

Tgt Ion: 76 Resp: 2038657

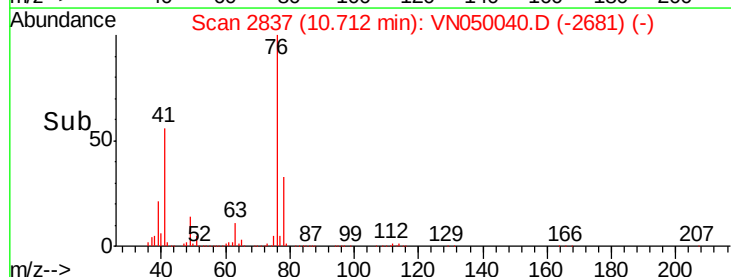
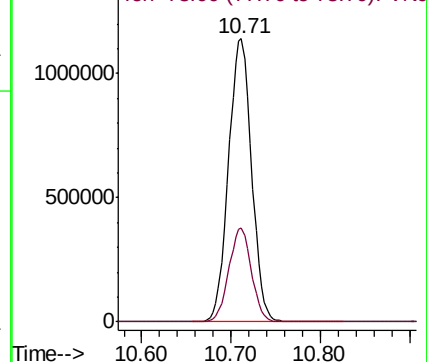
Ion Ratio Lower Upper

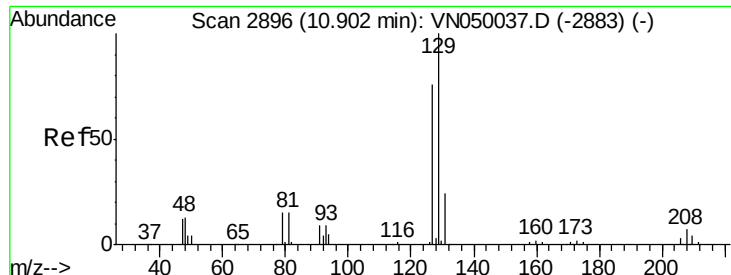
76 100

78 32.4 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 152.08 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:129 Resp: 1430340

Ion Ratio Lower Upper

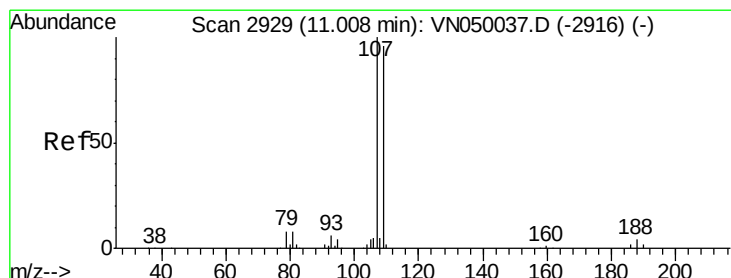
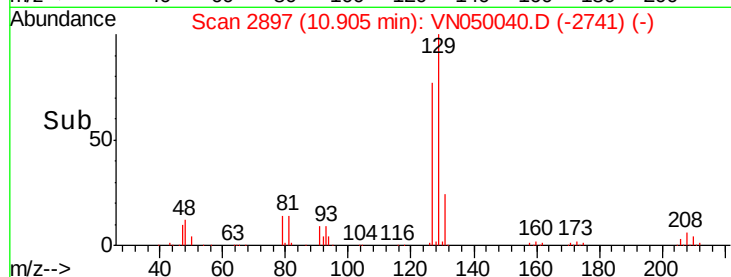
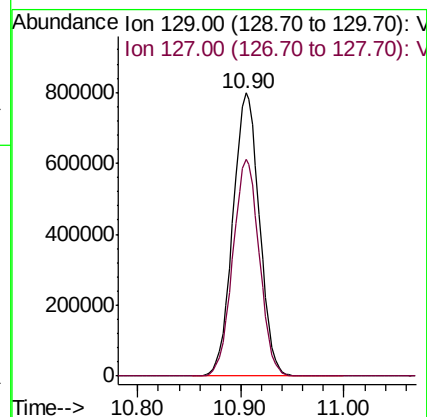
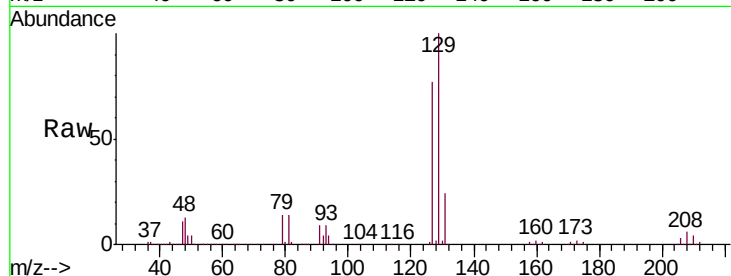
129 100

127 76.5 38.1 114.5

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#54

1,2-Dibromoethane

Concen: 154.17 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN050040.D

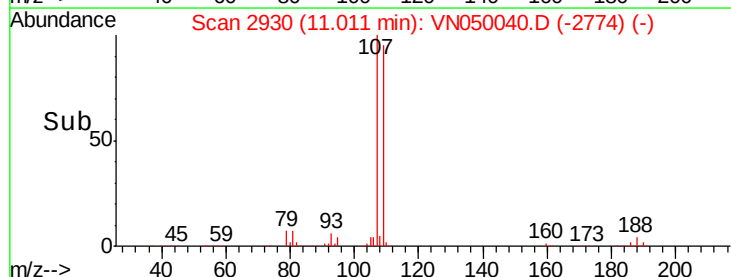
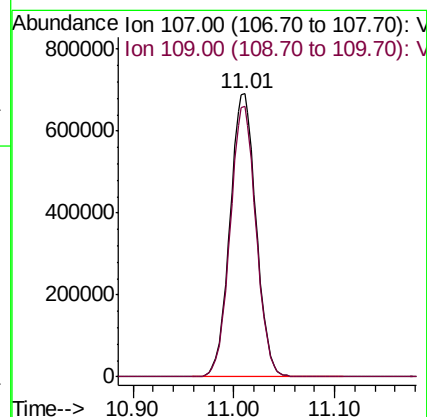
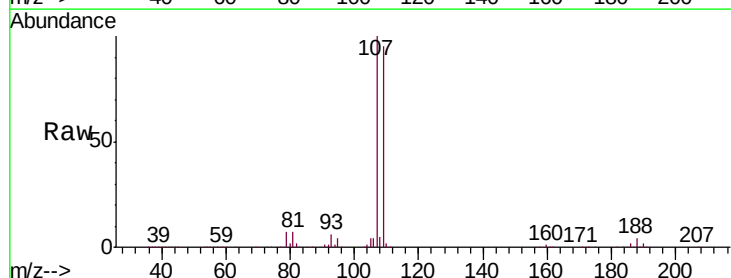
Acq: 25 Jul 2018 10:11

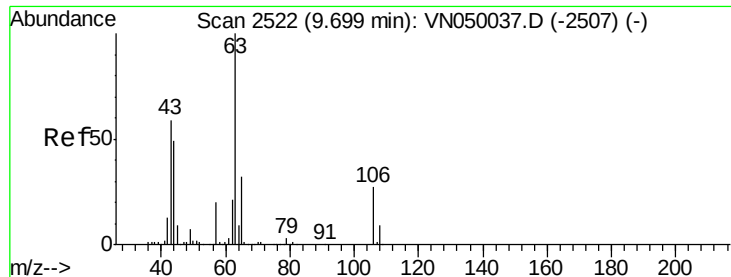
Tgt Ion:107 Resp: 1249344

Ion Ratio Lower Upper

107 100

109 94.9 76.2 114.2





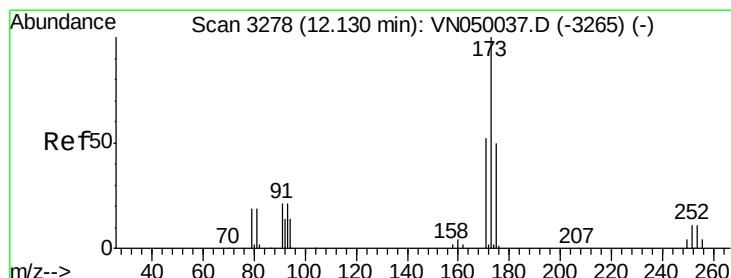
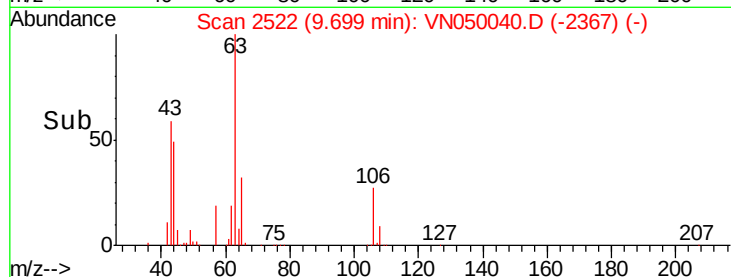
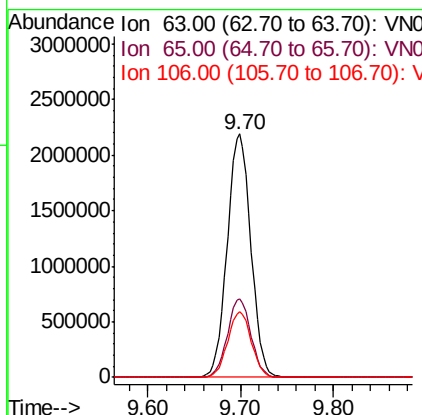
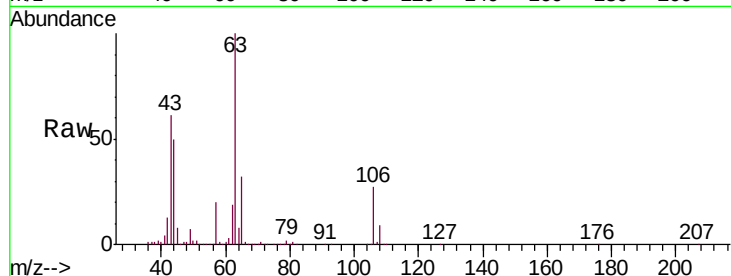
#55
2-Chloroethyl vinyl ether
Concen: 871.95 ug/l
RT: 9.70 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 63 Resp: 3868045
Ion Ratio Lower Upper
63 100
65 32.1 25.5 38.3
106 26.9 21.8 32.6

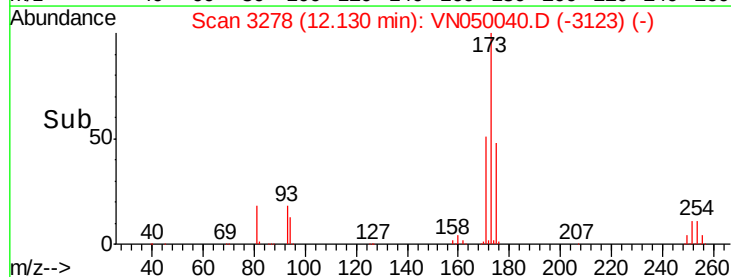
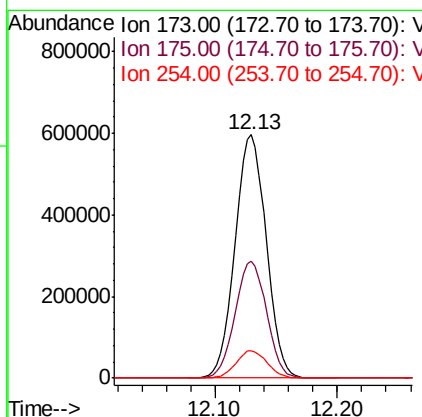
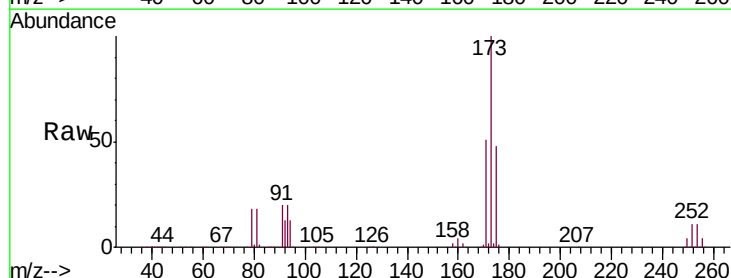
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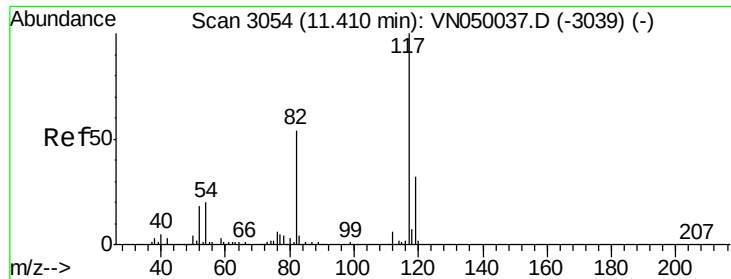
MMDadoda
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#56
Bromoform
Concen: 163.14 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Tgt Ion: 173 Resp: 1052139
Ion Ratio Lower Upper
173 100
175 48.3 38.6 57.8
254 11.3 8.8 13.2





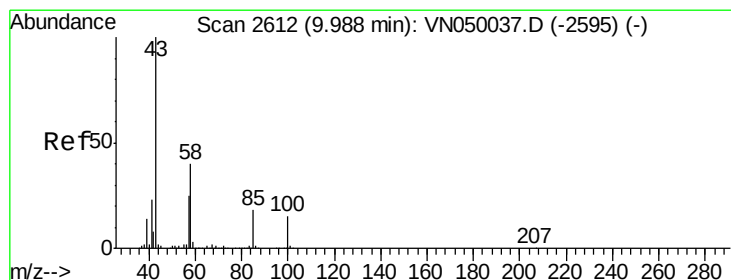
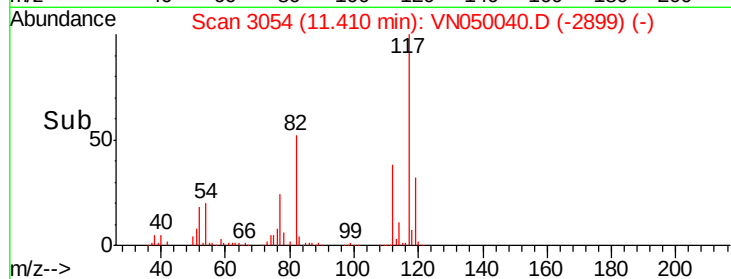
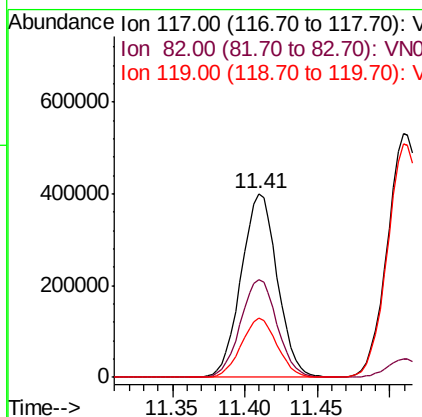
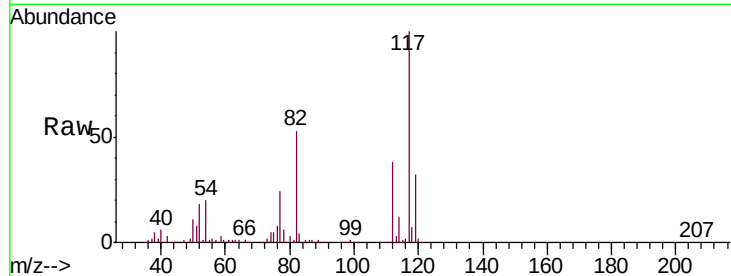
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.4	63.6
119	31.8	25.4	38.0

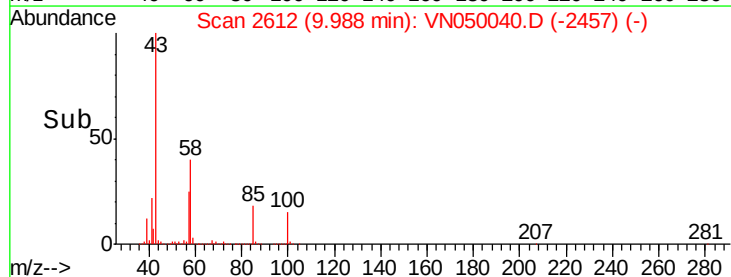
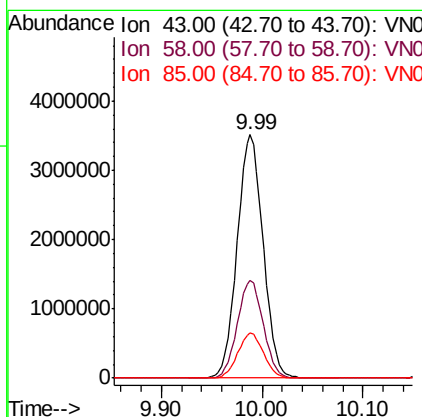
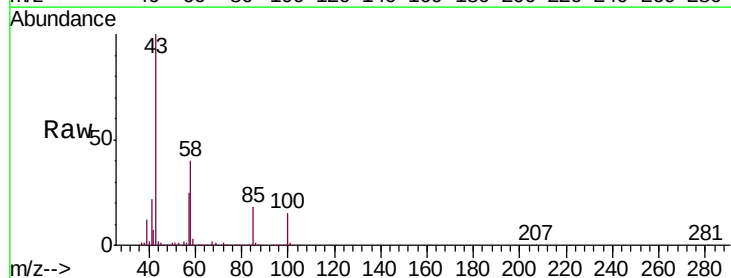
Manual Integrations
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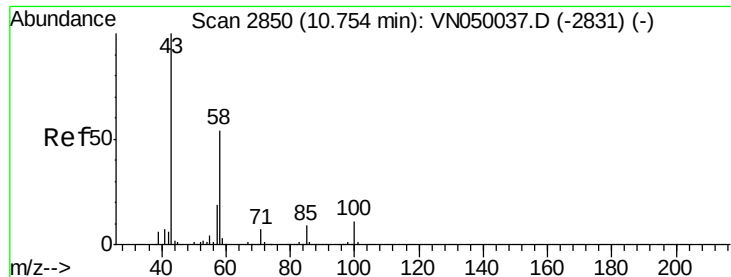
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#58
4-Methyl-2-Pentanone
Concen: 756.02 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.2	46.8
85	18.4	14.4	21.6





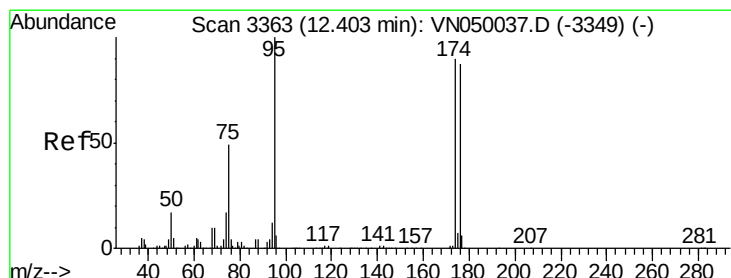
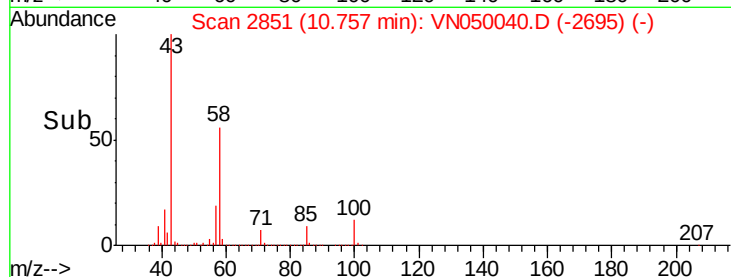
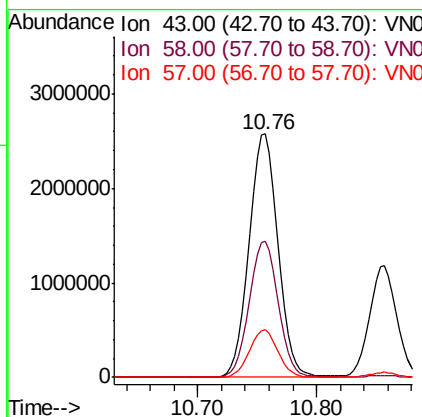
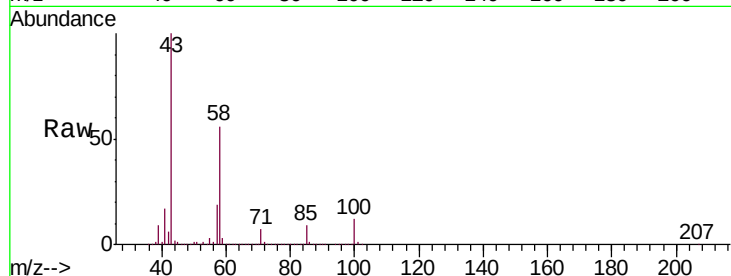
#59
2-Hexanone
Concen: 791.03 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	43.8	65.8
57	19.3	15.1	22.7

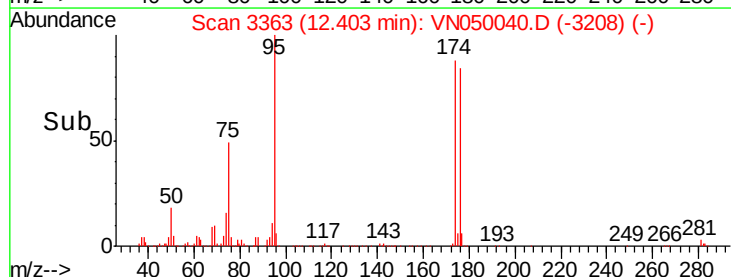
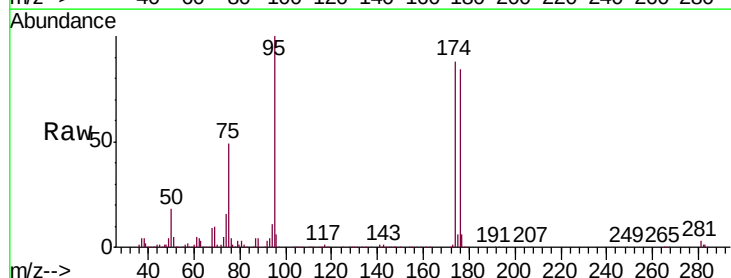
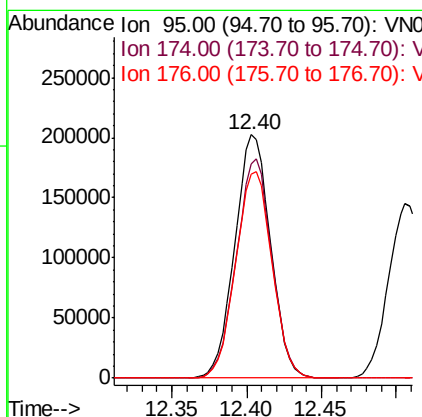
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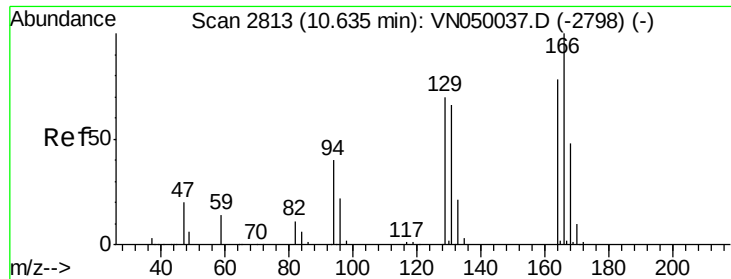
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 31.89 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	72.3	108.5
176	86.3	70.0	105.0





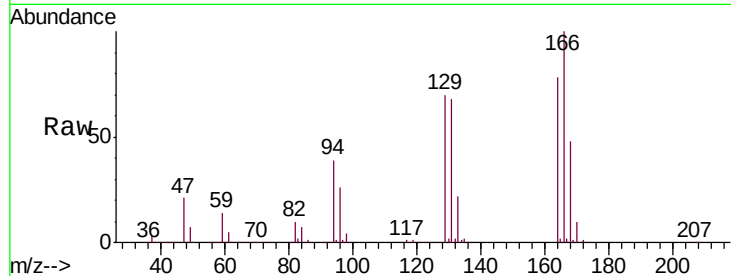
#61
Tetrachloroethene
Concen: 126.98 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

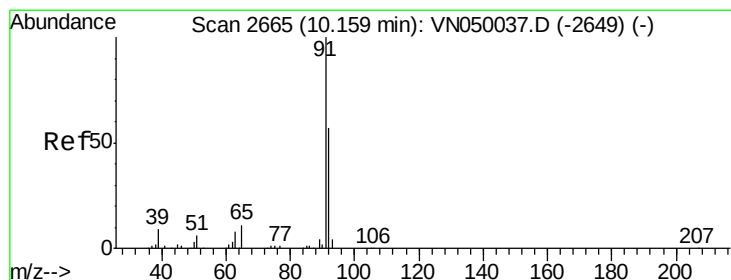
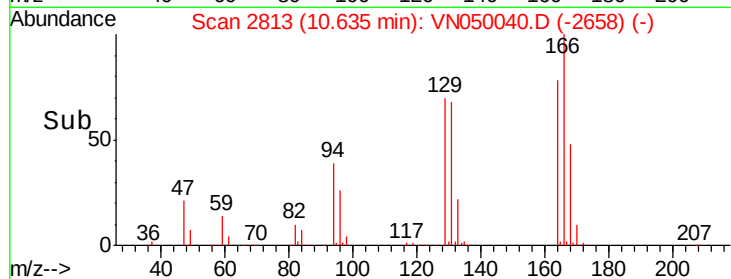
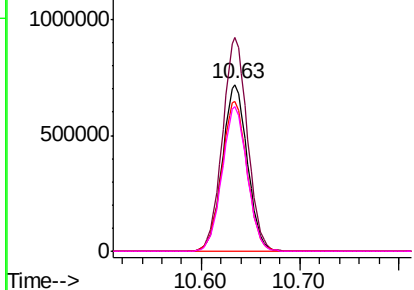
Tot Ion:164 Resp: 1278538
Ion Ratio Lower Upper
164 100
166 128.3 100.0 150.0
129 90.2 69.3 103.9
131 87.0 68.8 103.2

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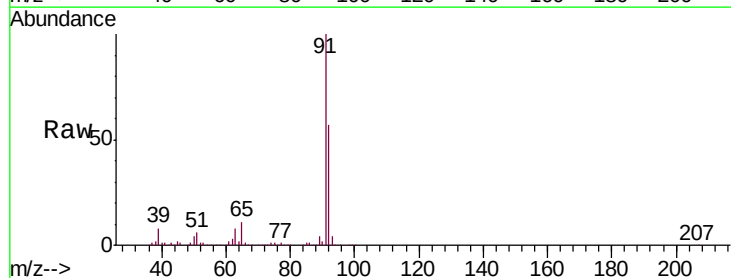


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

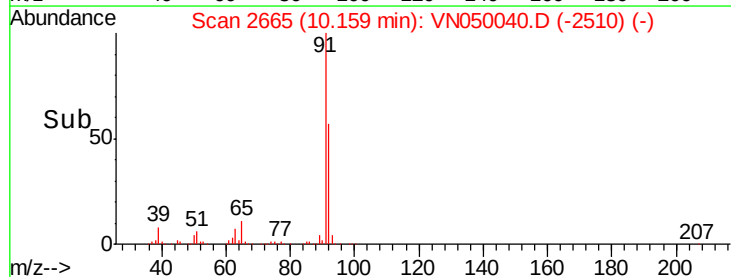
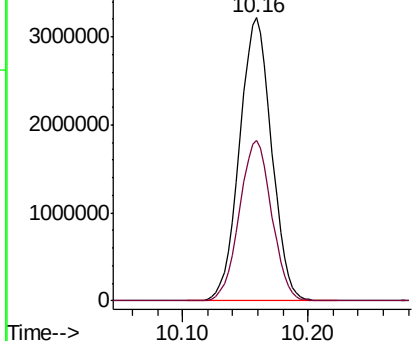


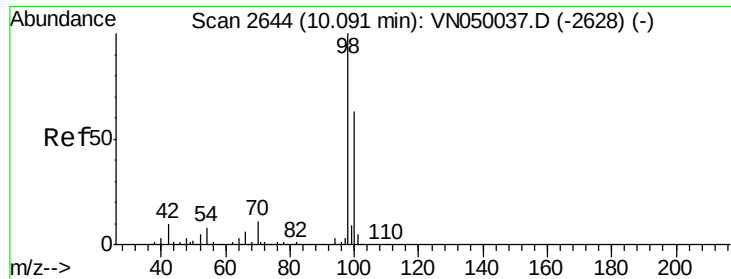
#62
Toluene
Concen: 138.49 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Tgt Ion: 91 Resp: 5715814
Ion Ratio Lower Upper
91 100
92 57.1 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 28.14 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 98 Resp: 959006

Ion Ratio Lower Upper

98 100

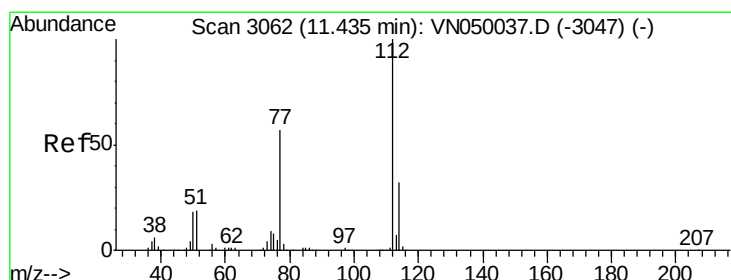
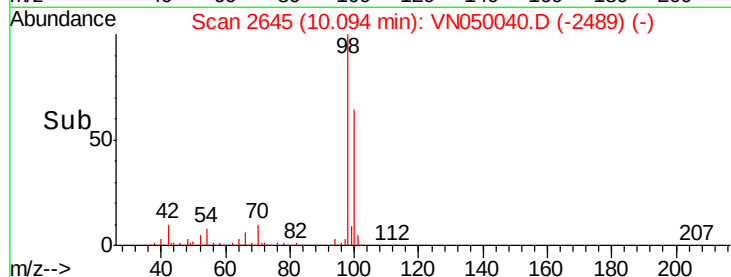
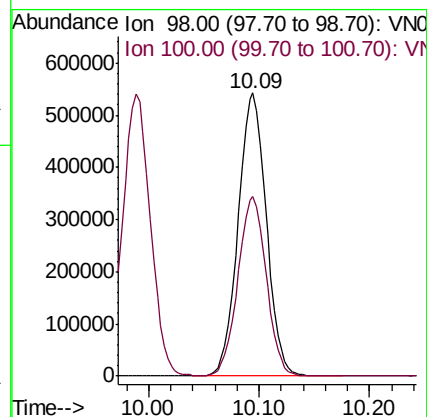
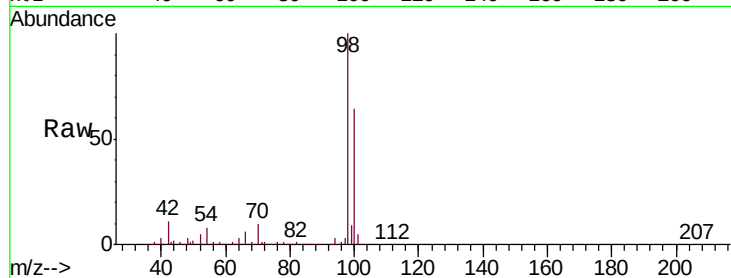
100 64.0 51.2 76.8

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#64

Chlorobenzene

Concen: 145.73 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050040.D

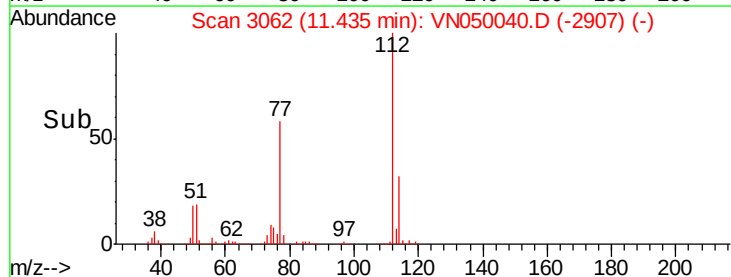
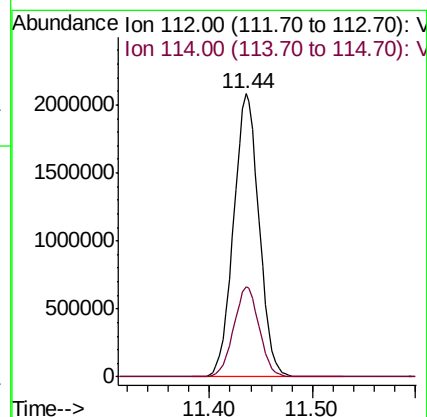
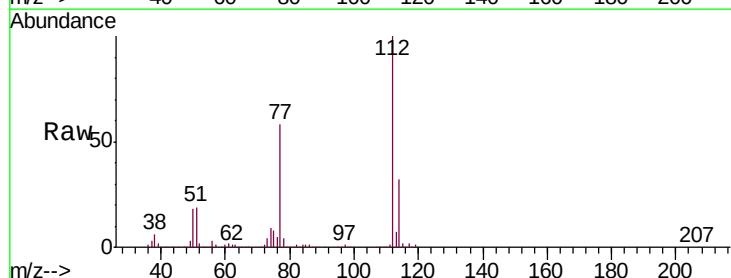
Acq: 25 Jul 2018 10:11

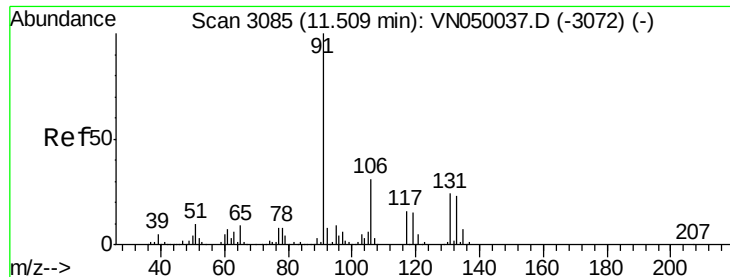
Tgt Ion: 112 Resp: 3575184

Ion Ratio Lower Upper

112 100

114 32.0 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 138.67 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:131 Resp: 1344903

Ion Ratio Lower Upper

131 100

133 95.7 0.0 190.0

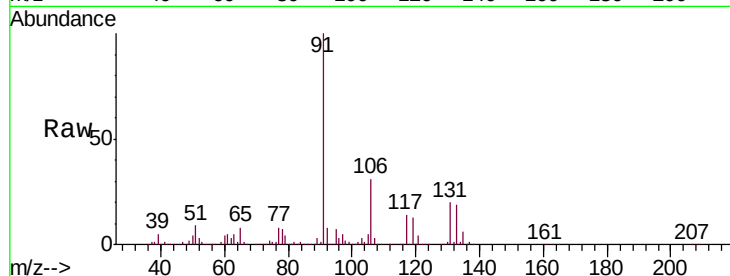
119 66.1 0.0 131.6

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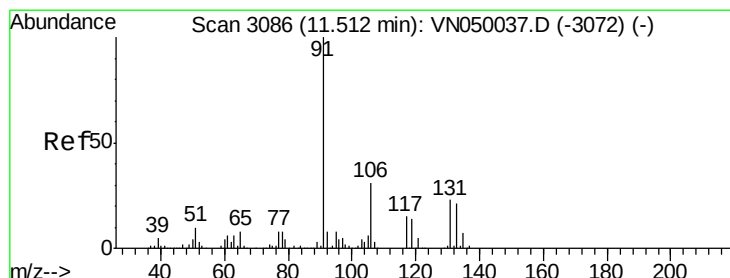
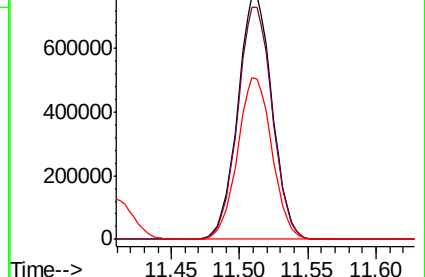
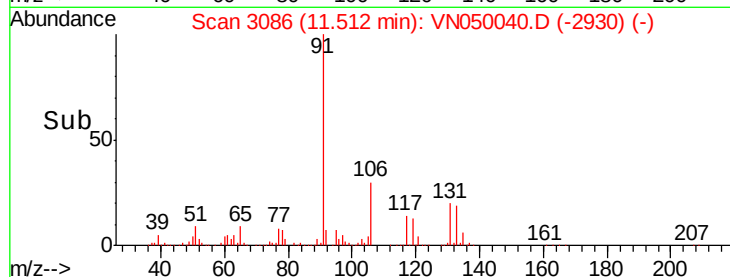
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Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 156.06 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050040.D

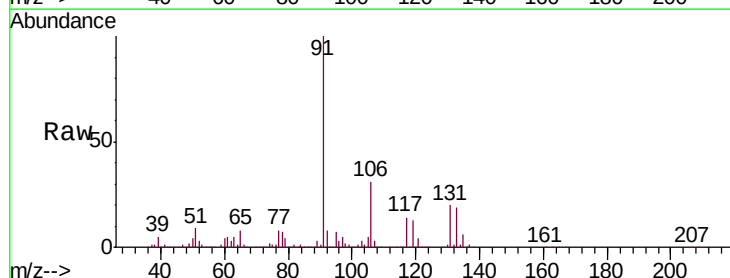
Acq: 25 Jul 2018 10:11

Tgt Ion: 91 Resp: 6378497

Ion Ratio Lower Upper

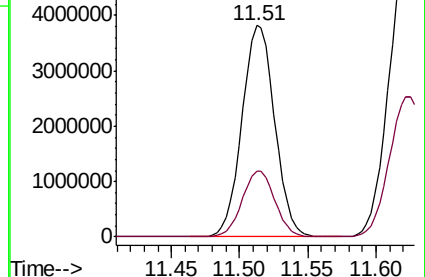
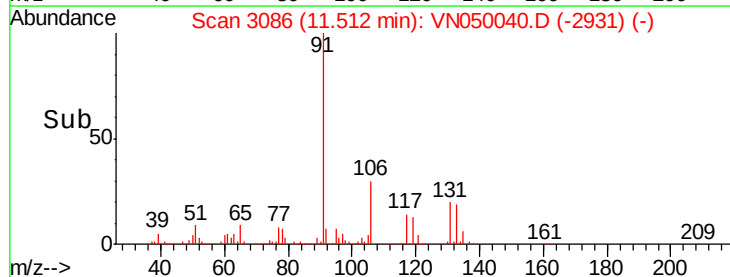
91 100

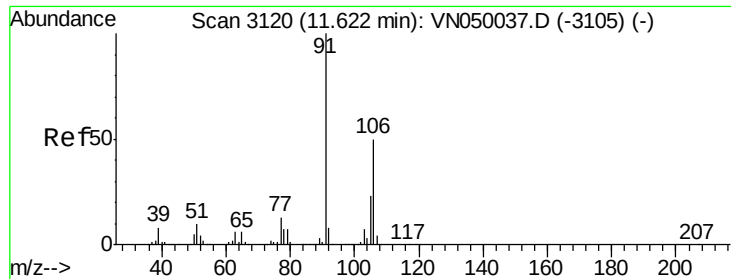
106 31.0 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 296.87 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:106 Resp: 4820489

Ion Ratio Lower Upper

106 100

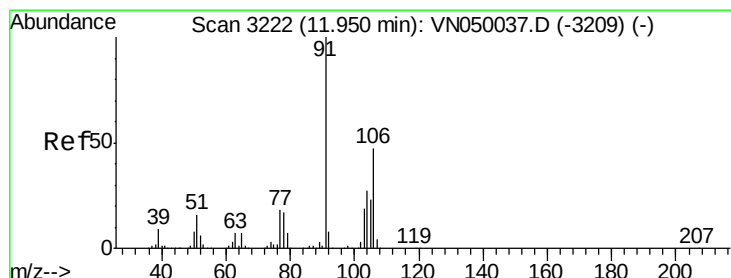
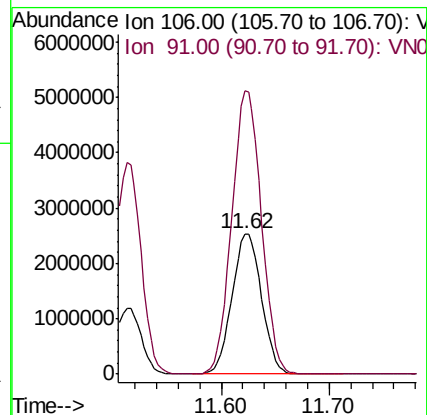
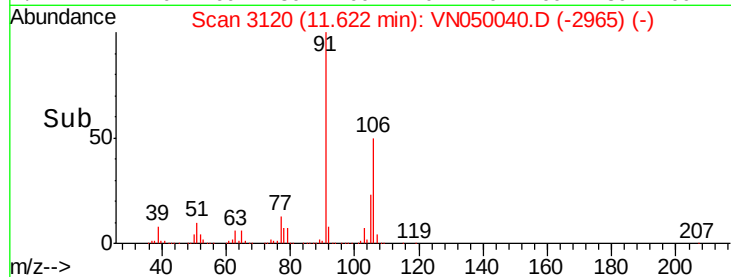
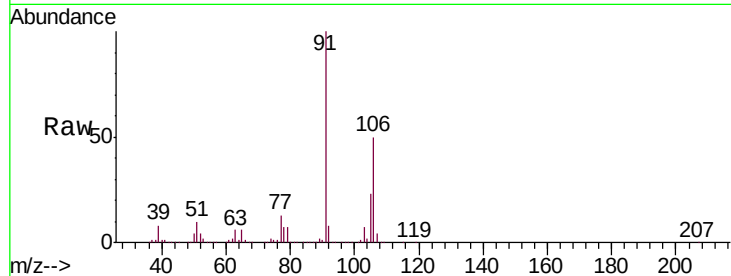
91 202.7 162.5 243.7

Manual Integrations

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#68

o-Xylene

Concen: 156.70 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050040.D

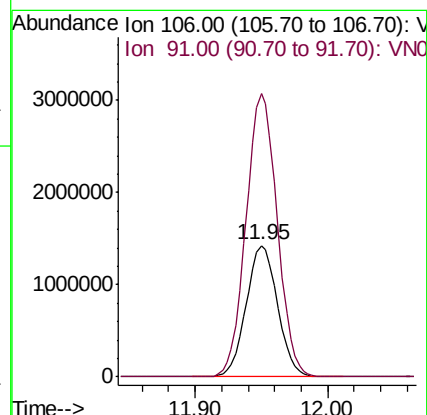
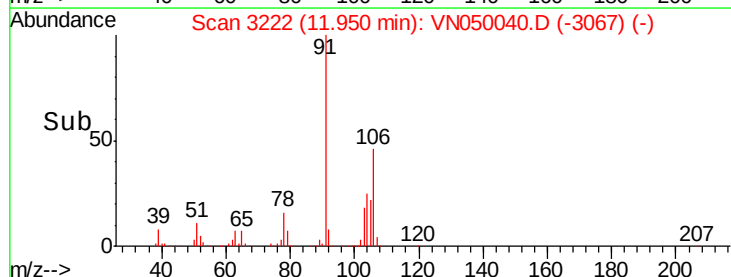
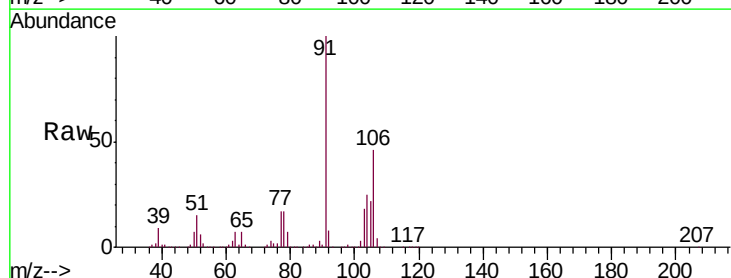
Acq: 25 Jul 2018 10:11

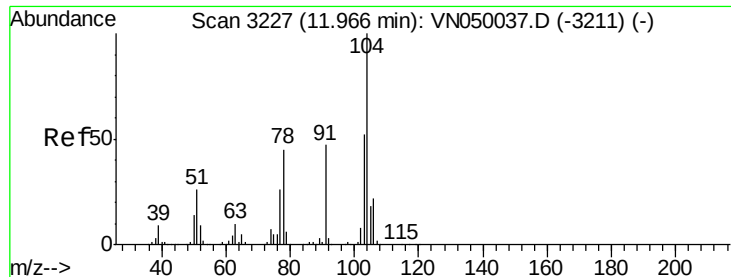
Tgt Ion:106 Resp: 2337200

Ion Ratio Lower Upper

106 100

91 214.2 106.8 320.4





#69

Stvrene

Concen: 156.90 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:104 Resp: 3830812

Ion Ratio Lower Upper

104 100

78 49.1 39.3 58.9

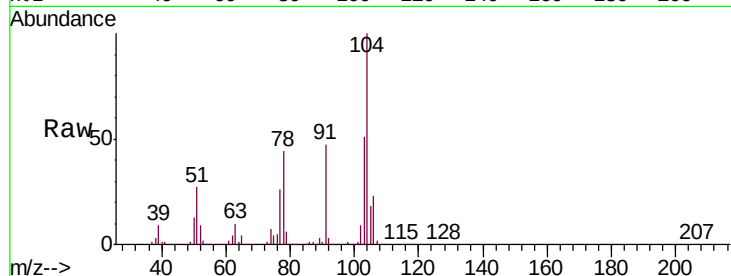
103 55.8 44.5 66.7

Manual Integrations

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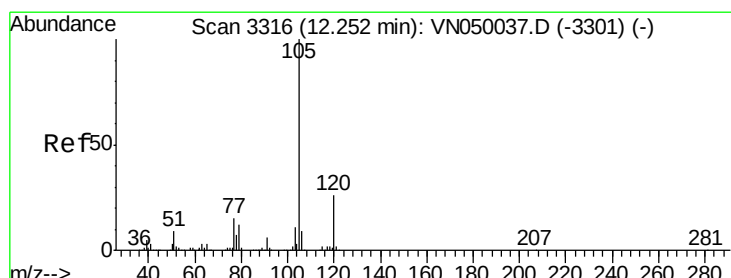
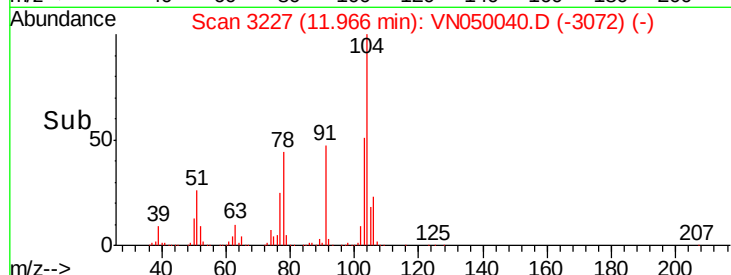
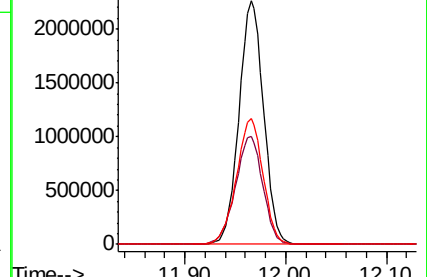
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 153.37 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN050040.D

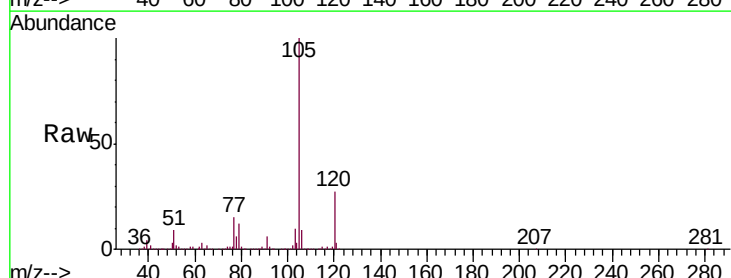
Acq: 25 Jul 2018 10:11

Tgt Ion:105 Resp: 6203997

Ion Ratio Lower Upper

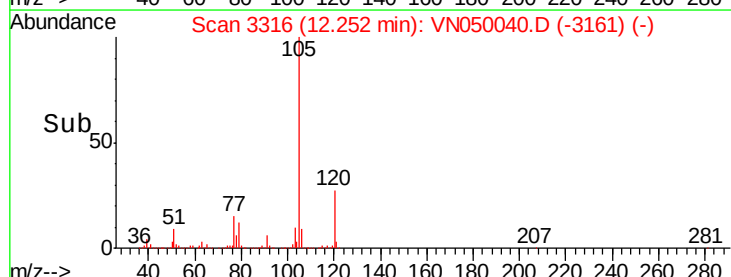
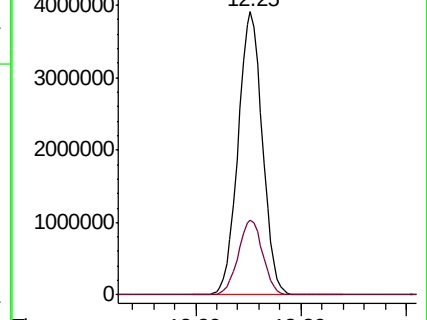
105 100

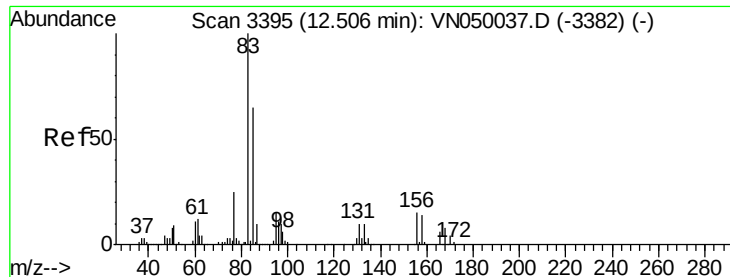
120 26.6 18.9 35.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





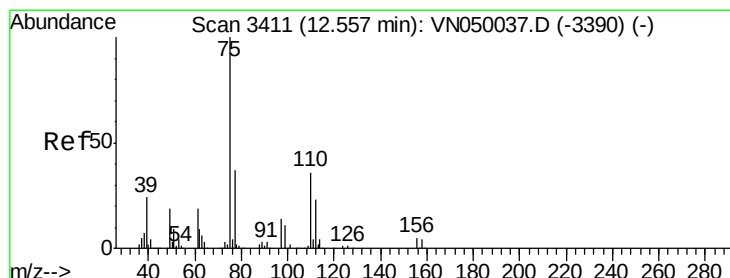
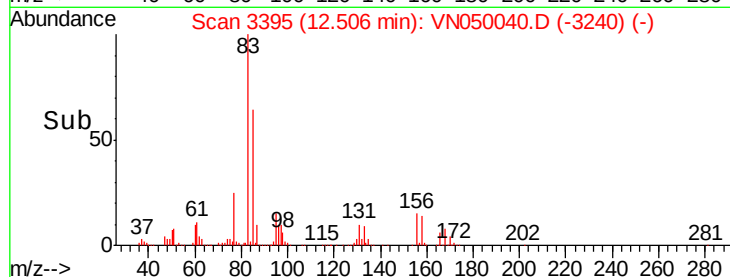
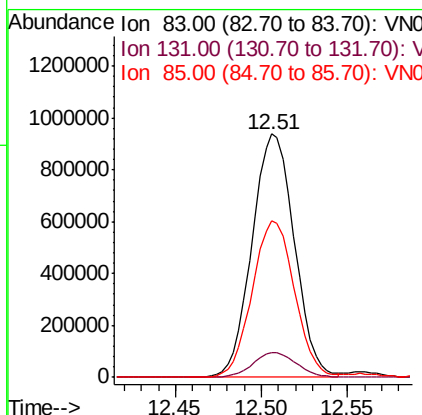
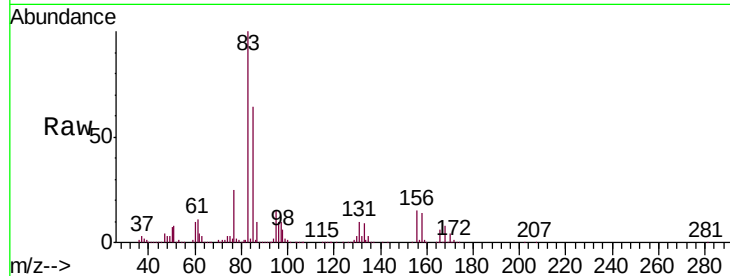
#71
 1,1,2,2-Tetrachloroethane
 Concen: 147.36 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	83	Resp	1601593
Ion Ratio	100	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	64.3	31.7	95.1

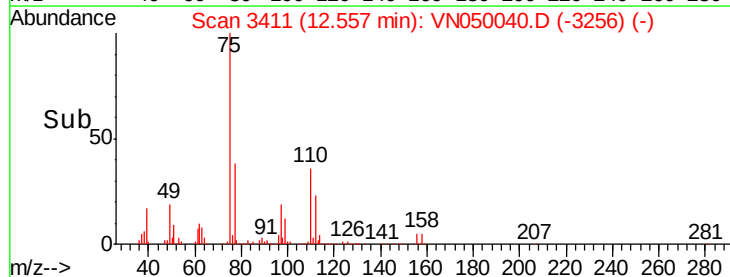
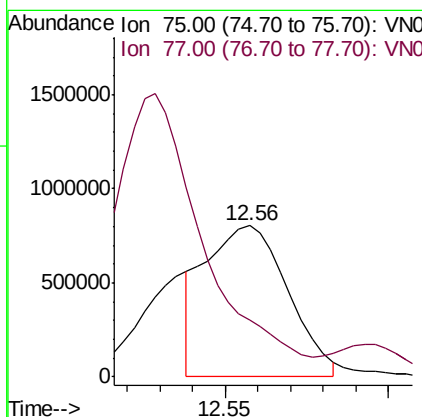
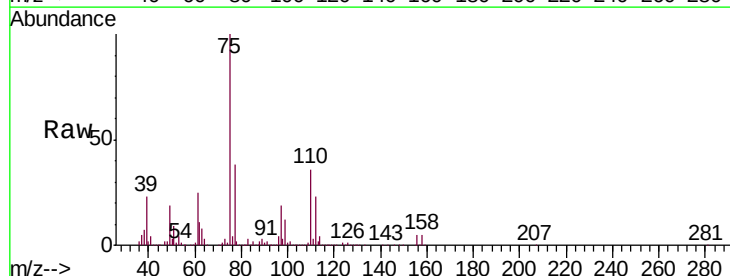
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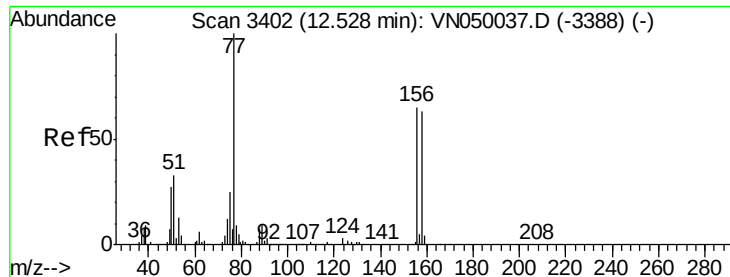
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#72
 1,2,3-Trichloropropane
 Concen: 161.74 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Tgt Ion	75	Resp	1412788
Ion Ratio	100	Lower	Upper
75	100		
77	210.0	0.0	454.4





#73

Bromobenzene

Concen: 152.09 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1613502

Ion Ratio Lower Upper

156 100

77 183.9 0.0 359.8

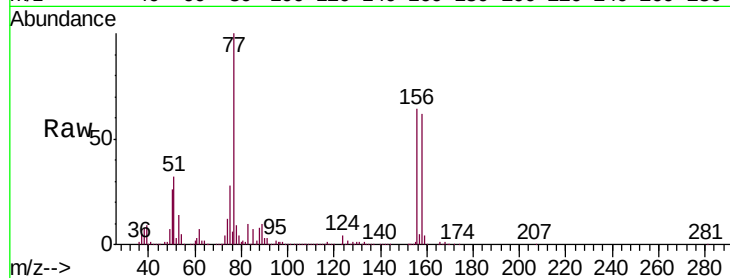
158 96.9 0.0 192.8

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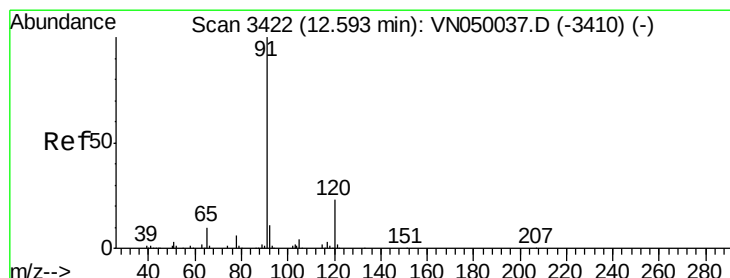
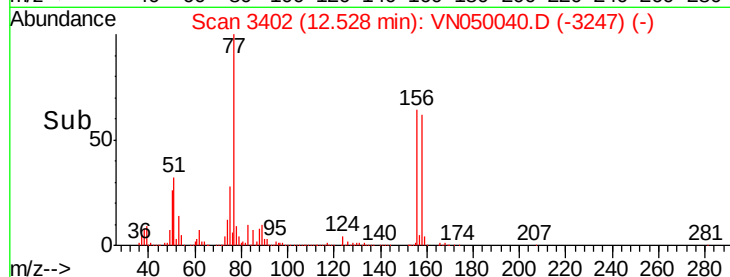
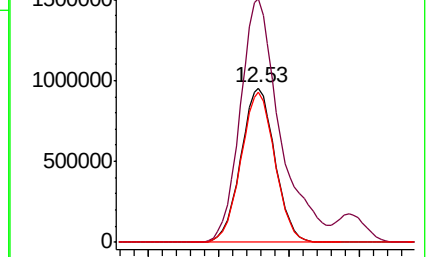
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 151.49 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050040.D

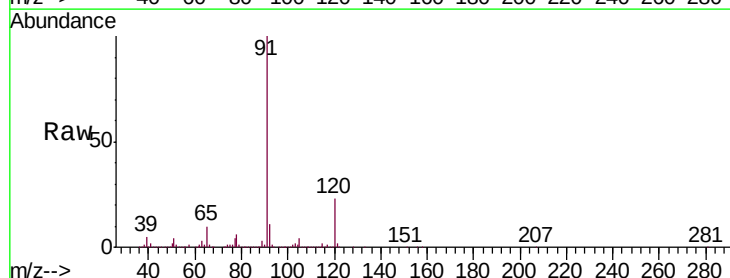
Acq: 25 Jul 2018 10:11

Tgt Ion: 91 Resp: 7208248

Ion Ratio Lower Upper

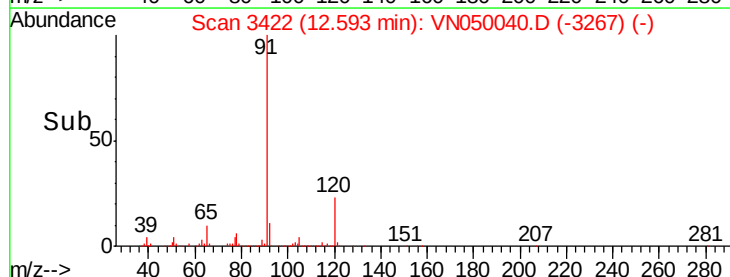
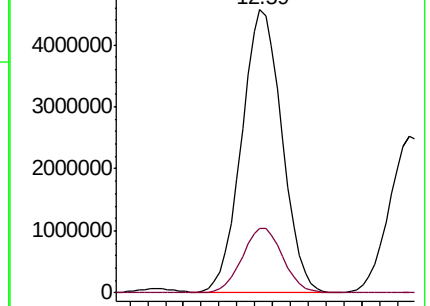
91 100

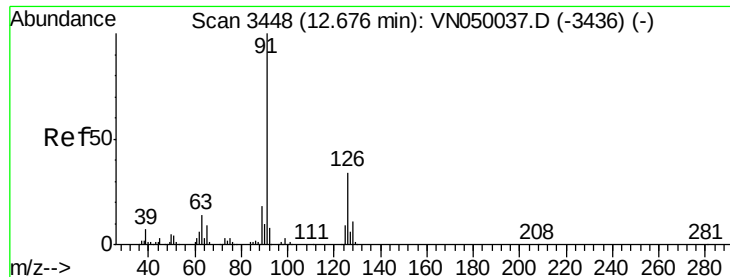
120 23.0 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 148.48 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 4227205

Ion Ratio Lower Upper

91 100

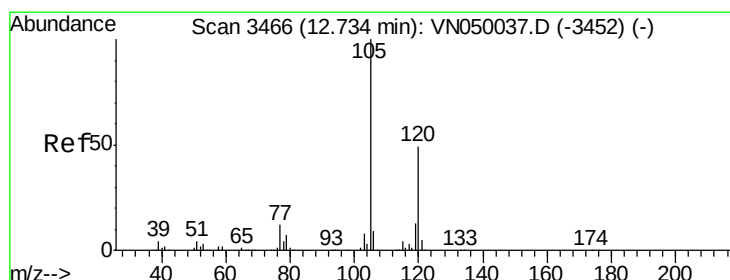
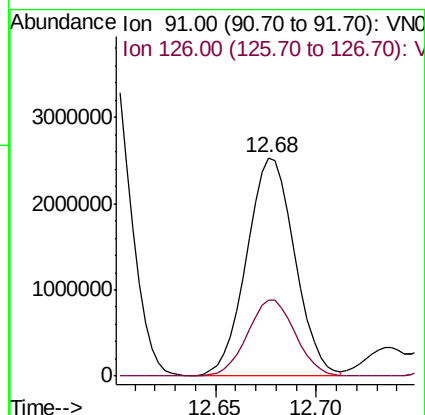
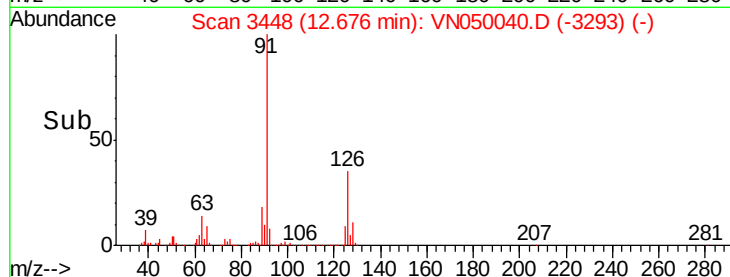
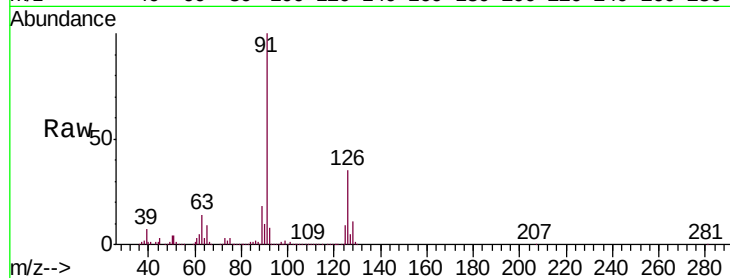
126 34.8 0.0 68.6

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 148.65 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050040.D

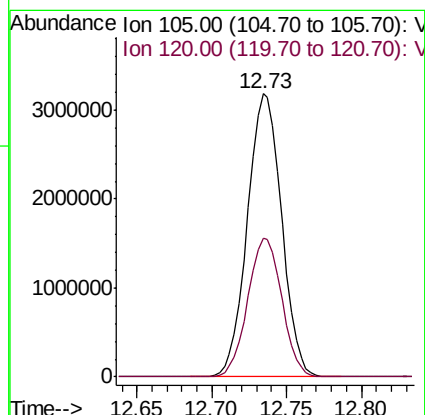
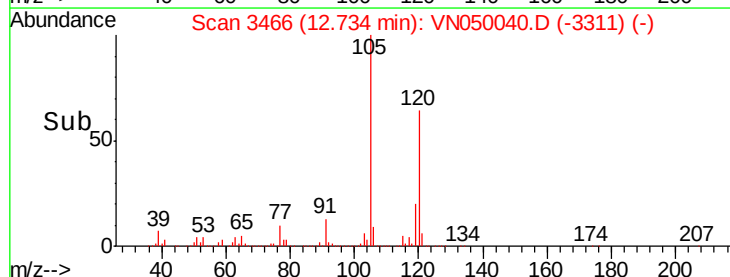
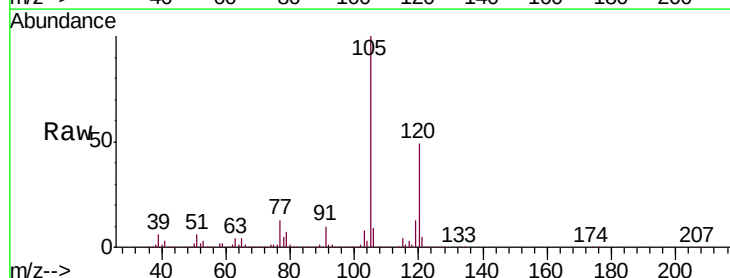
Acq: 25 Jul 2018 10:11

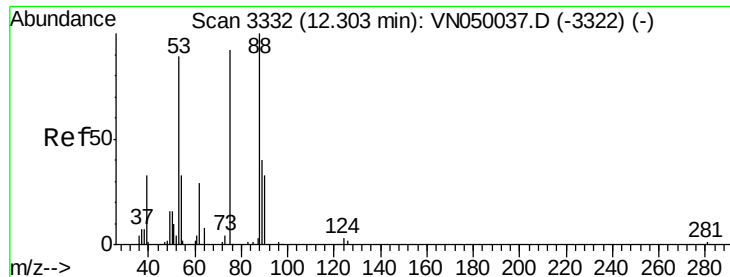
Tgt Ion:105 Resp: 5061778

Ion Ratio Lower Upper

105 100

120 48.9 0.0 98.0





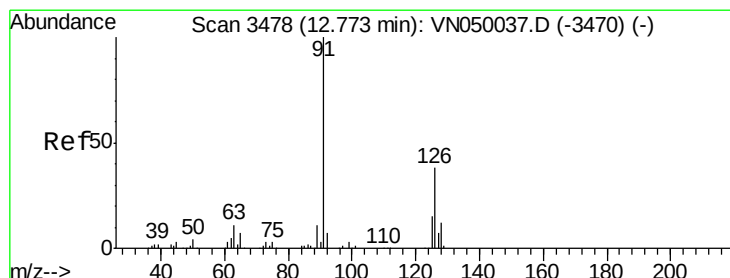
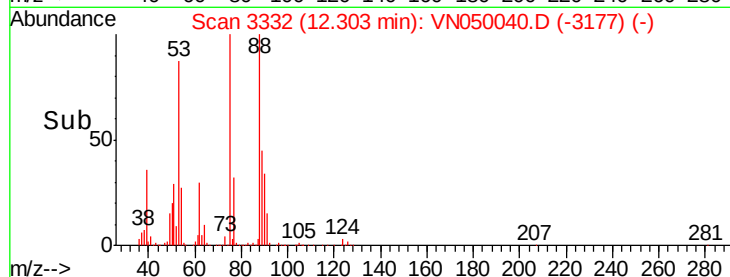
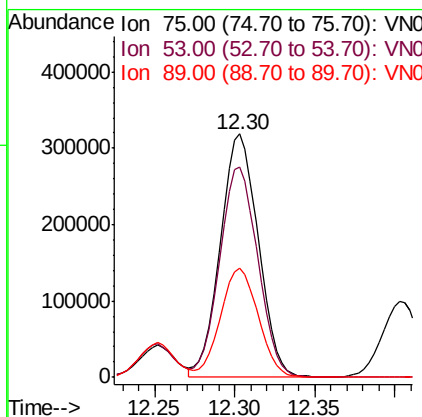
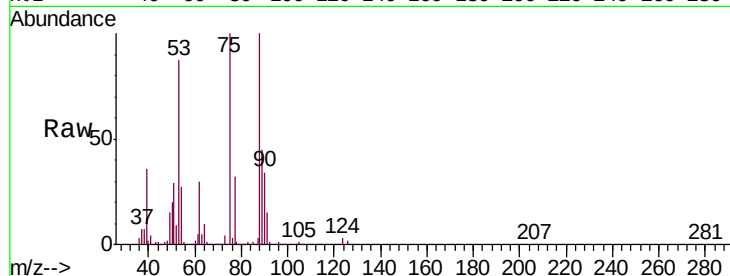
#77
t-1,4-Dichloro-2-butene
Concen: 183.34 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.7	44.6	134.0
89	44.8	20.7	62.1

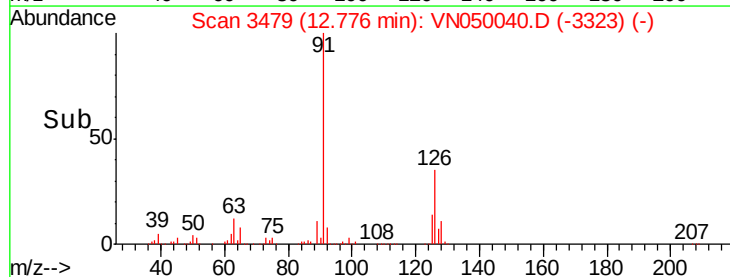
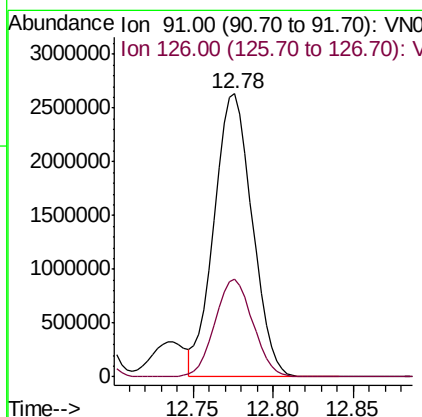
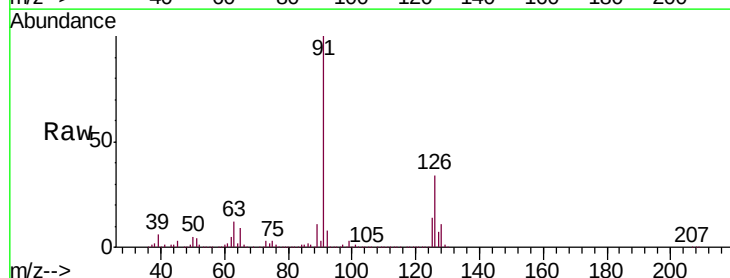
Manual Integrations
APPROVED

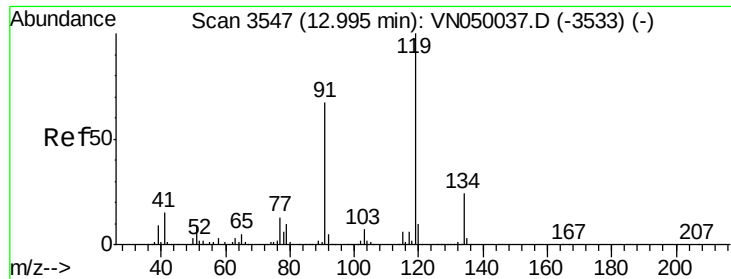
MMDadoda
7/26/2018 3:54:02 PM



#78
4-Chlorotoluene
Concen: 153.57 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	0.0	68.4





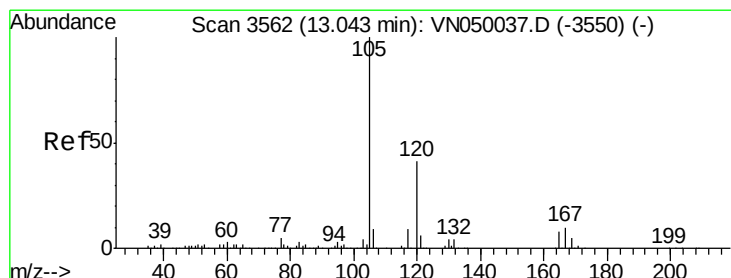
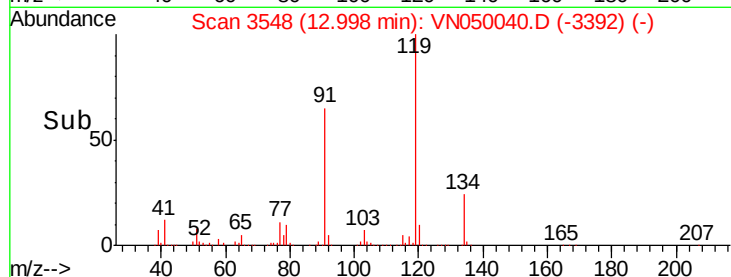
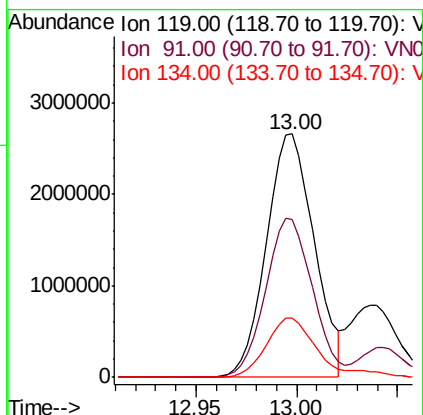
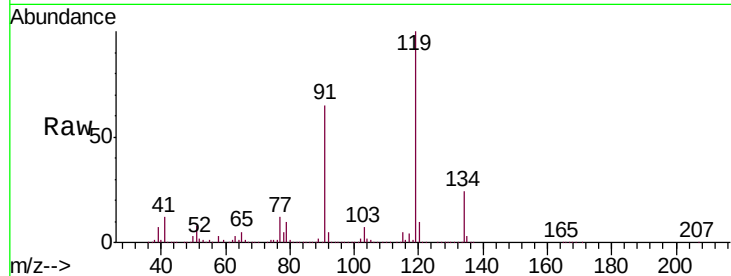
#79
tert-butylbenzene
Concen: 155.25 ug/l
RT: 13.00 min Scan# 3548
Delta R.T. 0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 4384263
Ion Ratio Lower Upper
119 100
91 64.1 0.0 126.8
134 24.6 0.0 47.4

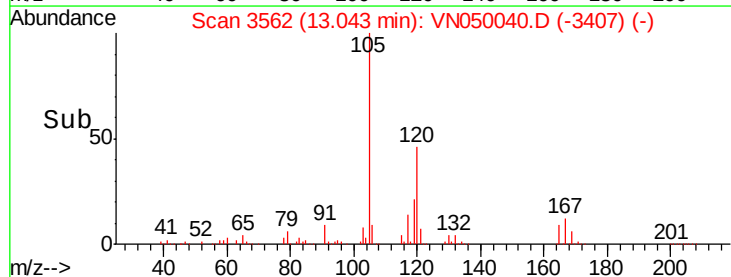
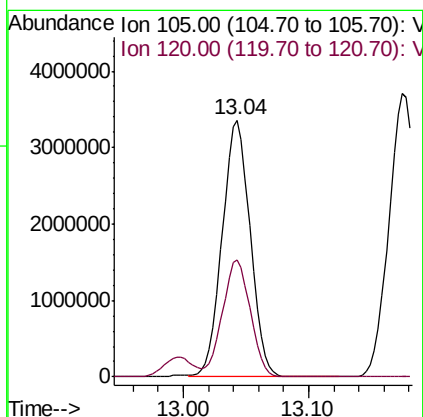
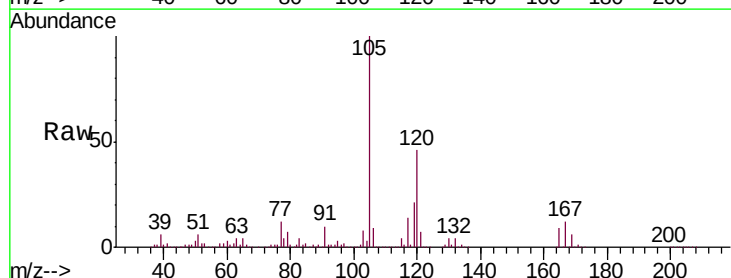
Manual Integrations
APPROVED

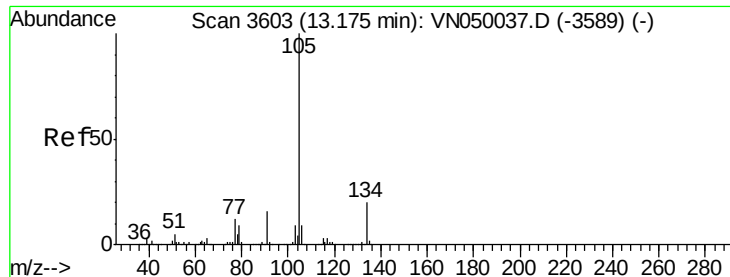
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 150.18 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Tgt Ion:105 Resp: 5184208
Ion Ratio Lower Upper
105 100
120 45.6 0.0 90.6





#81

sec-Butylbenzene

Concen: 151.25 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 5910115

Ion Ratio Lower Upper

105 100

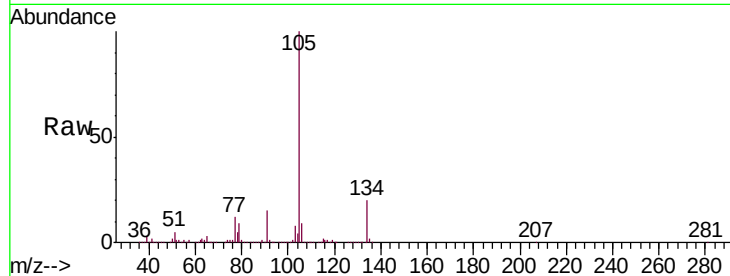
134 20.1 0.0 40.6

Manual Integrations

APPROVED

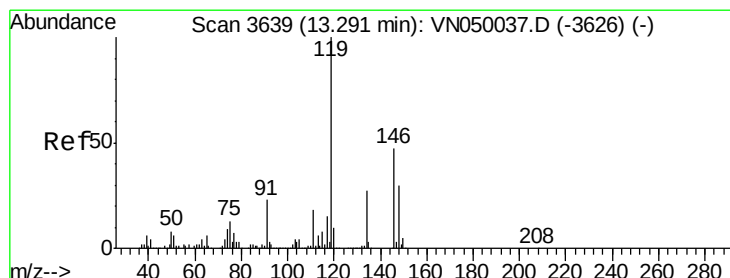
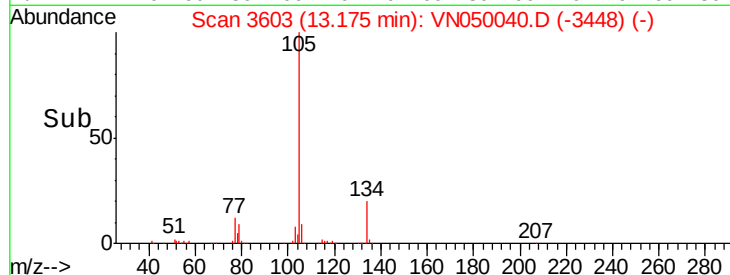
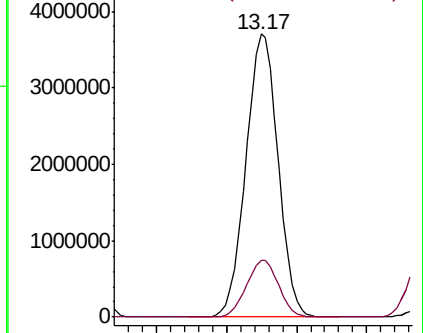
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 156.74 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

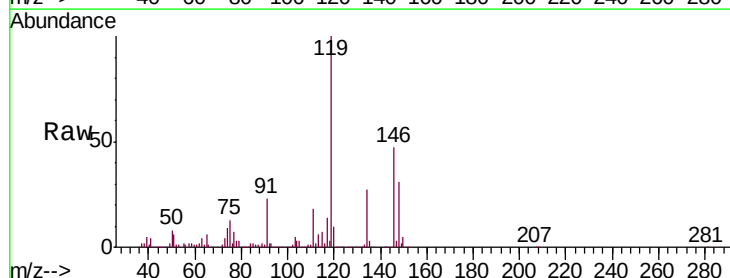
Tgt Ion:119 Resp: 5213230

Ion Ratio Lower Upper

119 100

134 26.6 0.0 52.2

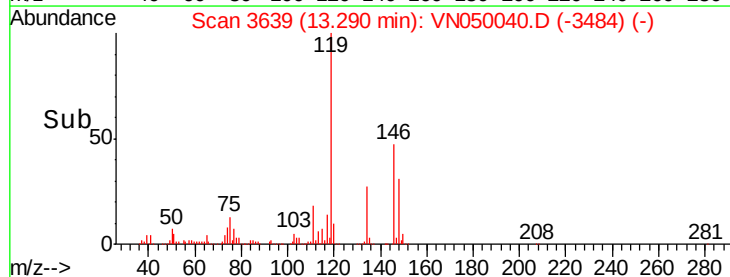
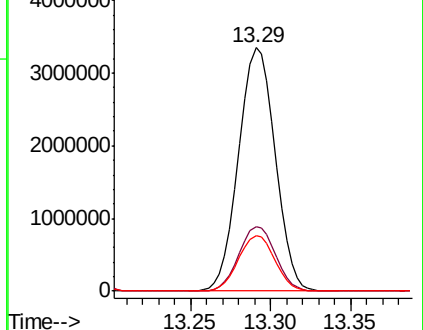
91 22.7 0.0 45.6

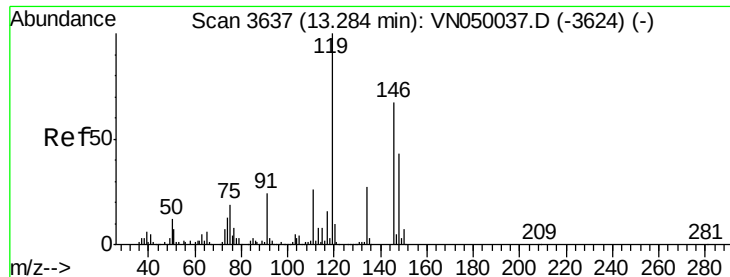


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





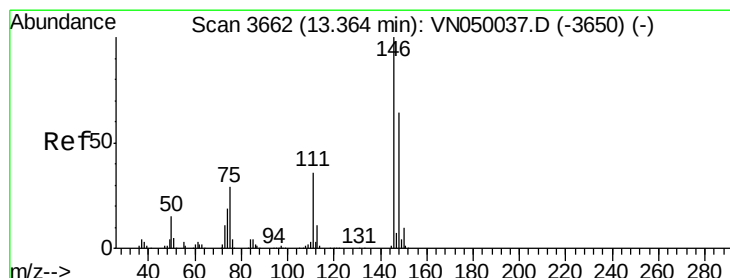
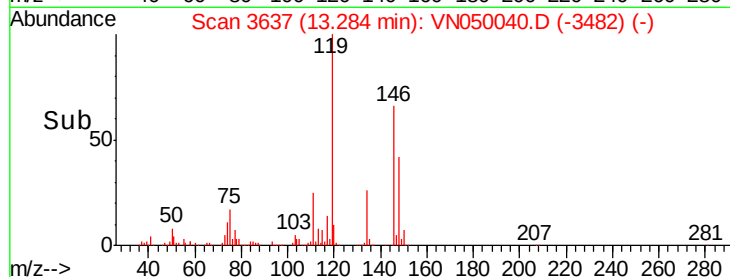
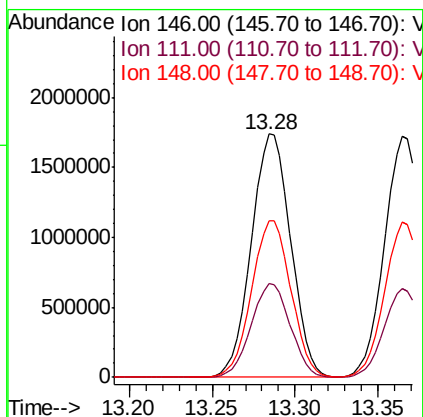
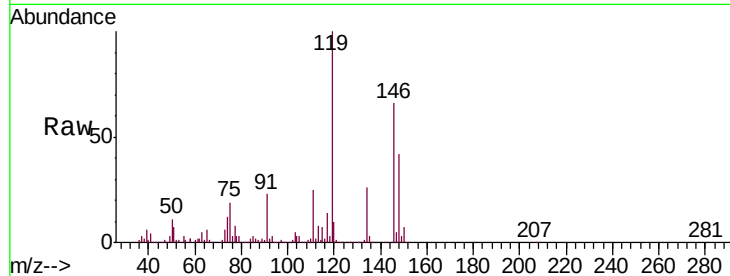
#83
1,3-Dichlorobenzene
Concen: 154.32 ug/l
RT: 13.28 min Scan# 3637
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:146 Resp: 2870179
Ion Ratio Lower Upper
146 100
111 38.2 19.1 57.1
148 64.2 31.9 95.9

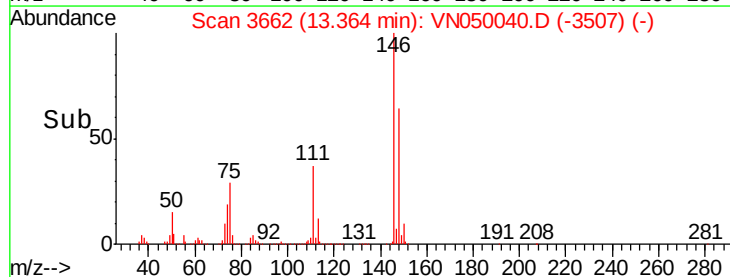
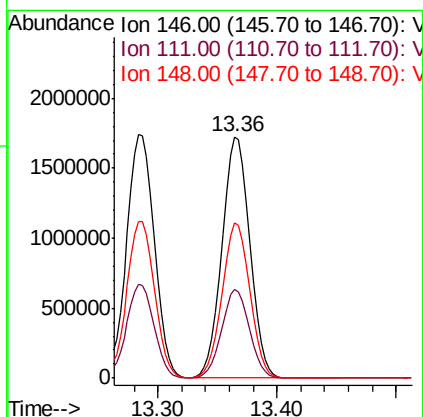
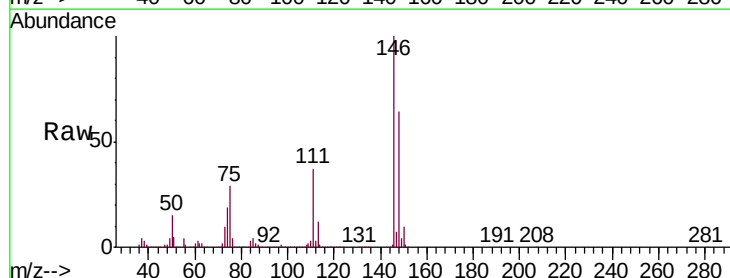
Manual Integrations
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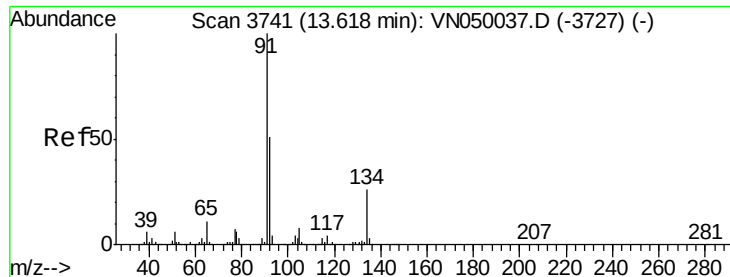
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#84
1,4-Dichlorobenzene
Concen: 159.15 ug/l
RT: 13.36 min Scan# 3662
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Tgt Ion:146 Resp: 2798821
Ion Ratio Lower Upper
146 100
111 36.6 17.9 53.8
148 64.0 32.4 97.0





#85

n-Butylbenzene

Concen: 172.23 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 4459660

Ion Ratio Lower Upper

91 100

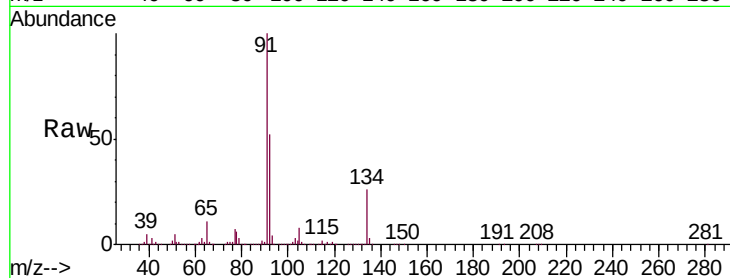
92 52.2 0.0 102.8

134 26.3 0.0 51.0

Manual Integrations
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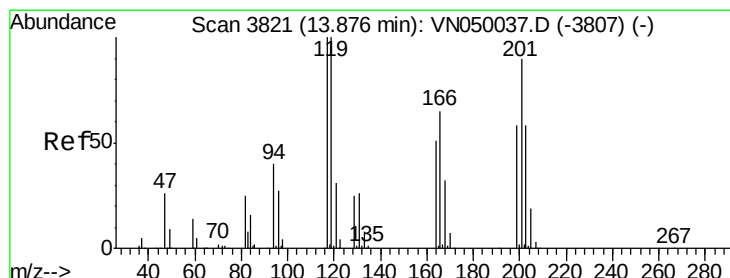
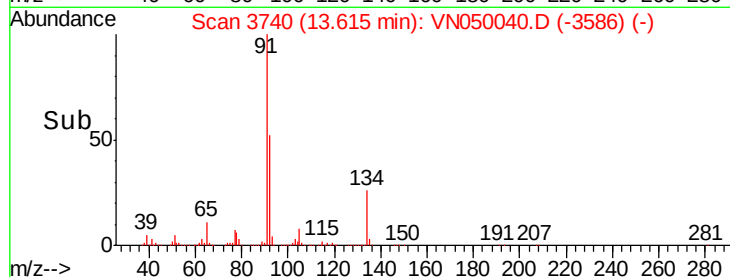
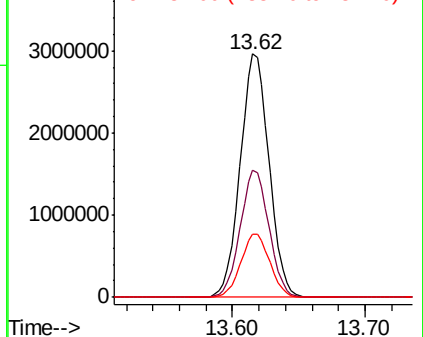


Abundance

Ion 91.00 (90.70 to 91.70): VN050037.D (-3727) (-)

Ion 92.00 (91.70 to 92.70): VN050037.D (-3727) (-)

Ion 134.00 (133.70 to 134.70): VN050037.D (-3727) (-)



#86

Hexachloroethane

Concen: 147.66 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN050040.D

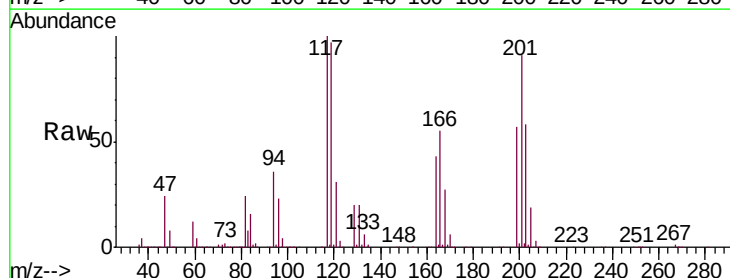
Acq: 25 Jul 2018 10:11

Tgt Ion: 117 Resp: 968050

Ion Ratio Lower Upper

117 100

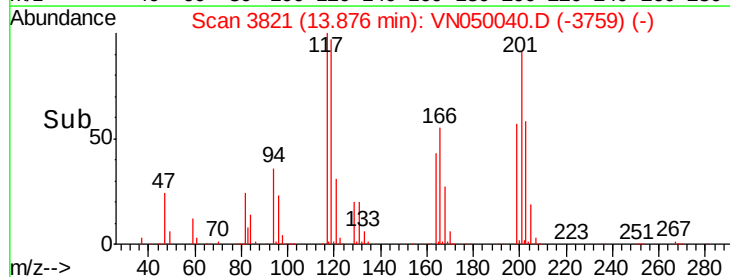
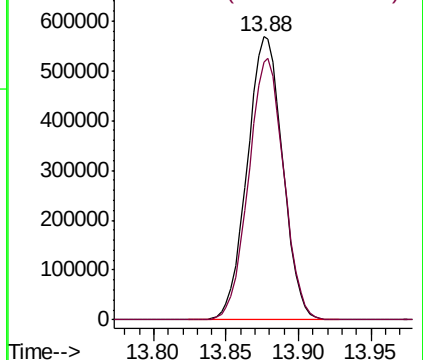
201 91.5 46.6 139.7

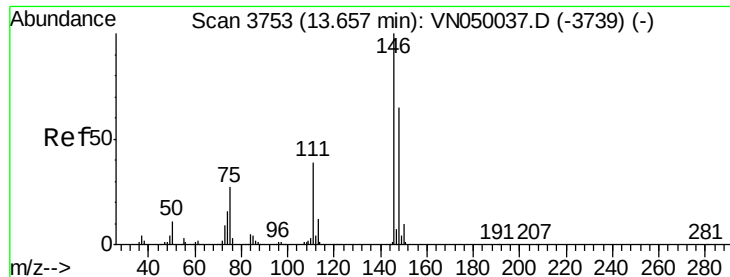


Abundance

Ion 117.00 (116.70 to 117.70): VN050037.D (-3807) (-)

Ion 201.00 (200.70 to 201.70): VN050037.D (-3807) (-)





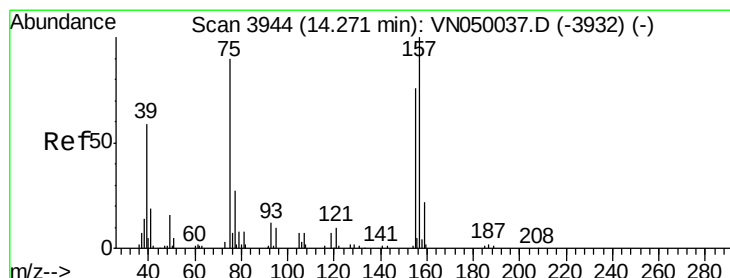
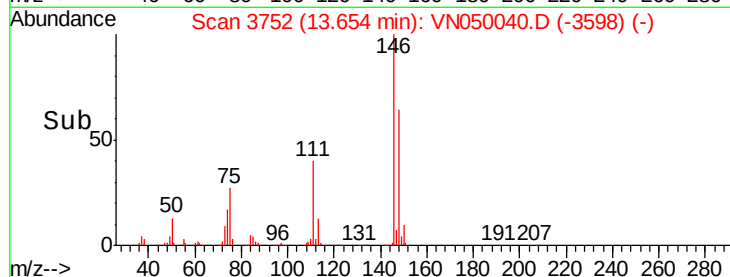
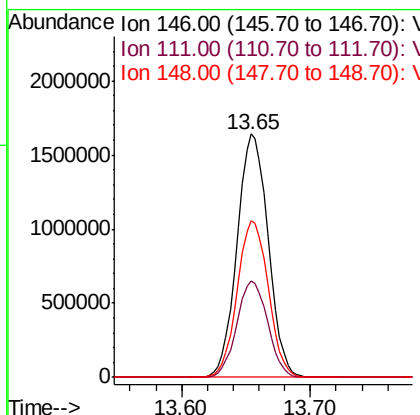
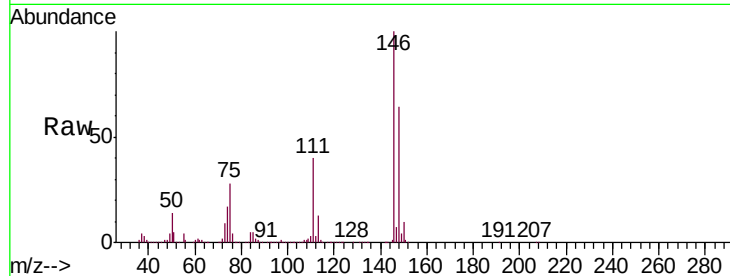
#87
 1,2-Dichlorobenzene
 Concen: 147.58 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	64.4	31.8	95.3

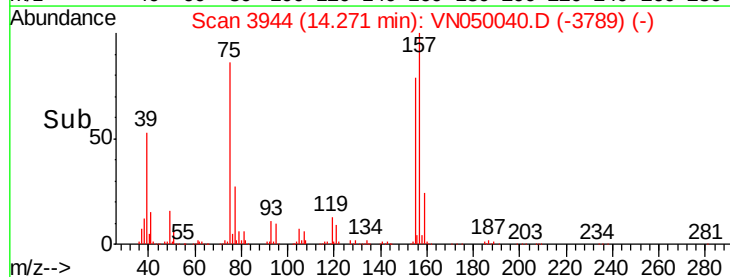
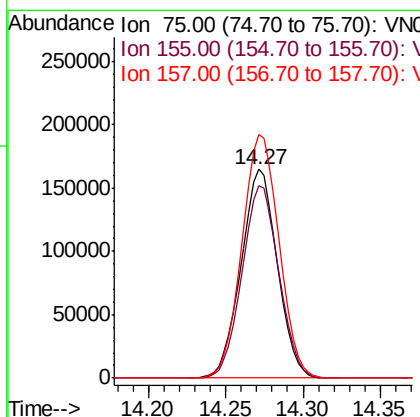
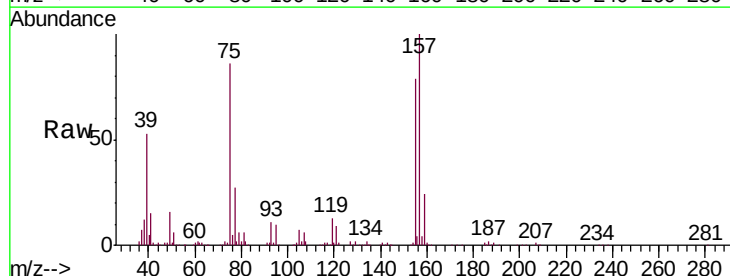
Manual Integrations
 APPROVED

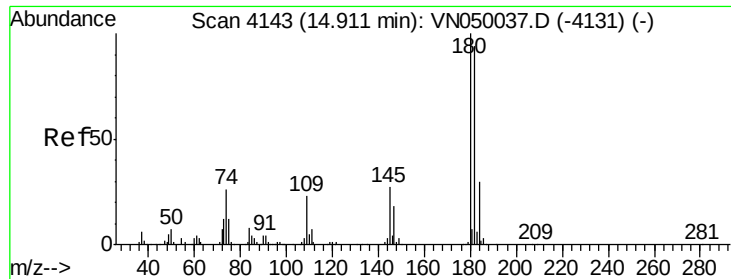
MMDadoda
 7/26/2018 3:54:02 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 160.16 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050040.D
 Acq: 25 Jul 2018 10:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	73.0	109.6
157	119.2	94.9	142.3





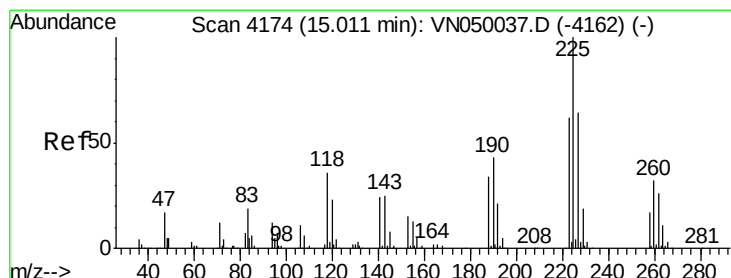
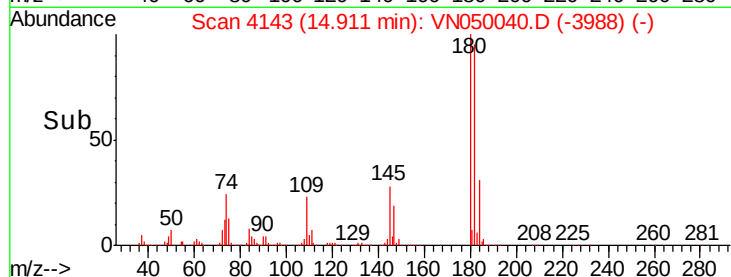
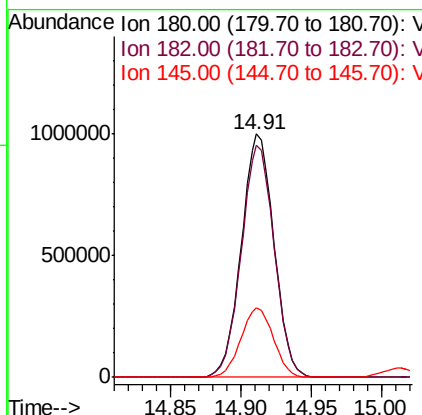
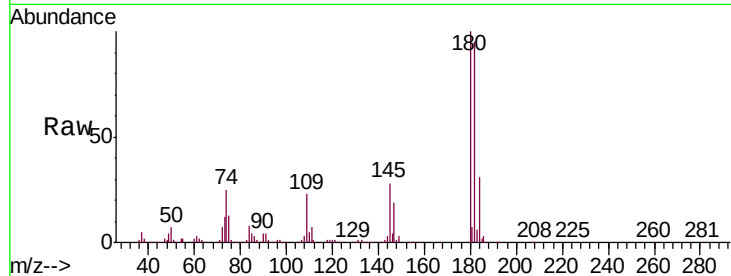
#89
1,2,4-Trichlorobenzene
Concen: 200.48 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
145	28.5	23.4	35.0

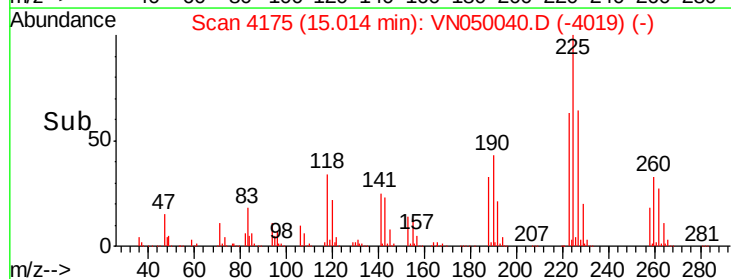
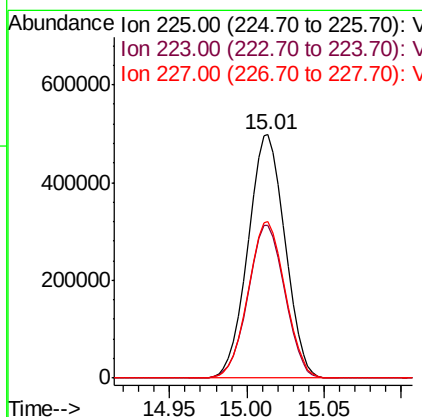
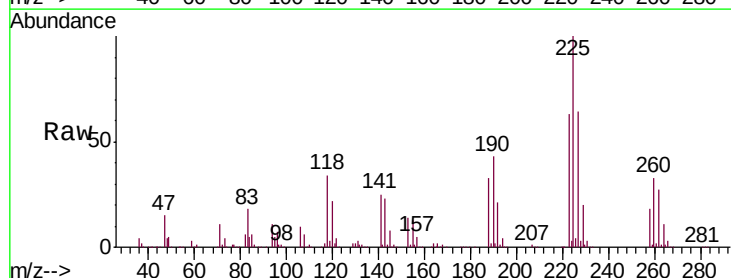
Manual Integrations
APPROVED

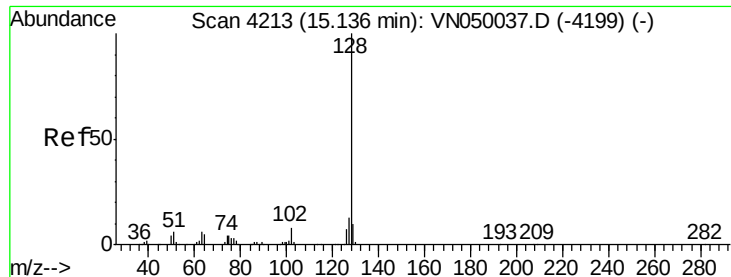
MMDadoda
7/26/2018 3:54:02 PM



#90
Hexachlorobutadiene
Concen: 137.21 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	0.0	124.4
227	64.2	0.0	133.0





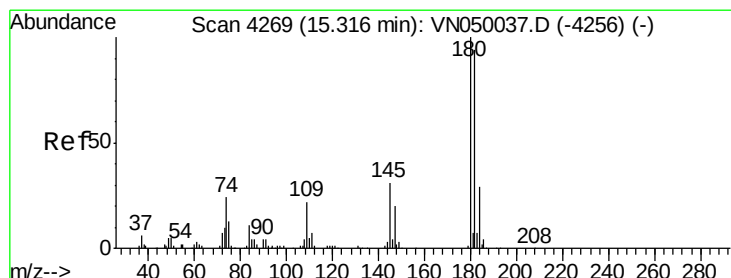
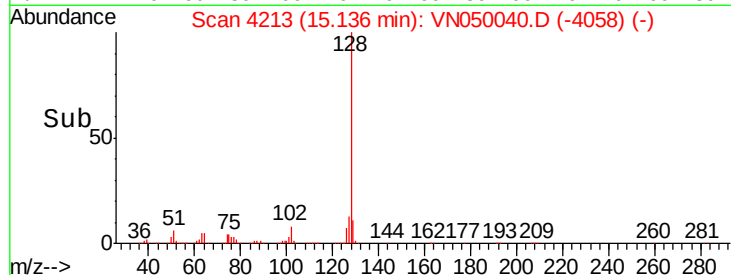
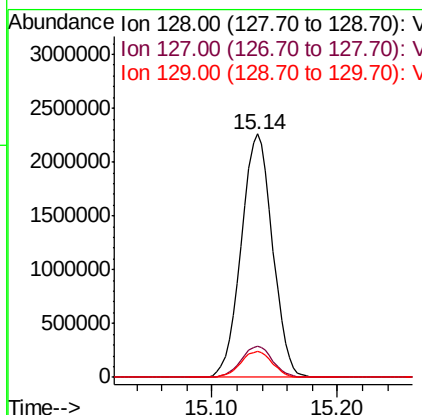
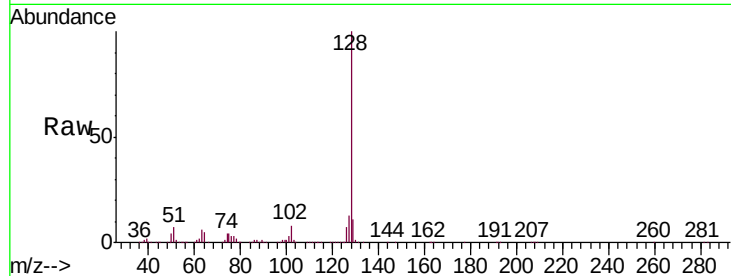
#91
Naphthalene
Concen: 244.91 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.8	9.0	13.4

Manual Integrations
APPROVED

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#92
1,2,3-Trichlorobenzene
Concen: 184.94 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050040.D
Acq: 25 Jul 2018 10:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	0.0	188.8
145	30.1	0.0	60.8

