

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050304.D
 Acq On : 3 Aug 2018 10:29
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:37:42 AM

Quant Time: Aug 03 23:11:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	128134	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	691509	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	590778	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	262075	30.09	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.30%
60) 4-Bromofluorobenzene	12.40	95	269943	29.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.13%
63) Toluene-d8	10.09	98	855133	30.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	158575	17.96	ug/l	97
3) Chloromethane	2.06	50	143610	15.77	ug/l	99
4) Vinyl Chloride	2.18	62	161247	16.64	ug/l	96
5) Bromomethane	2.56	94	23936	4.05	ug/l	99
6) Chloroethane	2.70	64	97364	16.99	ug/l	99
7) Trichlorofluoromethane	3.01	101	233178	18.41	ug/l	98
8) Diethyl Ether	3.41	74	79627	18.74	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	145504	18.88	ug/l	99
10) 1,1-Dichloroethene	3.73	96	121318	17.76	ug/l	95
11) Methyl Iodide	3.95	142	16147	1.61	ug/l	100
12) Methyl Acetate	4.33	43	183614	23.46	ug/l	99
13) Acrolein	3.61	56	11264	23.29	ug/l	95
14) Acrylonitrile	4.99	53	251271	96.22	ug/l	97
15) Acetone	3.82	58	77945	112.31	ug/l	99
16) Carbon Disulfide	4.05	76	322959	15.45	ug/l	99
17) Allyl chloride	4.32	41	194653	18.04	ug/l	99
18) Methylene Chloride	4.55	84	145214	18.42	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	131621	18.00	ug/l	95
20) Diisopropyl ether	5.96	45	434909	19.66	ug/l	99
21) 1,1-Dichloroethane	5.85	63	262672	18.88	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	153246	18.89	ug/l	99
23) tert-Butyl Alcohol	4.80	59	60103	103.00	ug/l	100
24) Methyl tert-Butyl Ether	5.05	73	358840	19.26	ug/l	100
25) Chloroform	7.37	83	271101	19.25	ug/l	99
26) Cyclohexane	7.65	56	191155	17.29	ug/l #	99
29) 1,1-Dichloropropene	7.79	75	188113	17.53	ug/l	100
30) 2-Butanone	6.84	43	325818	96.75	ug/l	99
31) 2,2-Dichloropropane	6.82	77	222136	18.73	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	228529	18.09	ug/l	99
33) Carbon Tetrachloride	7.77	117	198055	17.59	ug/l	99
34) Benzene	8.04	78	581567	17.84	ug/l	100
35) Methacrylonitrile	7.17	41	69909	18.23	ug/l	97
36) 1,2-Dichloroethane	8.13	62	192253	17.97	ug/l	98
37) Trichloroethene	8.84	130	149780	17.52	ug/l	100
38) Methylcyclohexane	9.08	83	189702	16.77	ug/l	99
39) 1,2-Dichloropropane	9.12	63	159369	18.56	ug/l	99
40) Dibromomethane	9.21	93	95511	18.00	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	205492	18.36	ug/l	97
42) Vinyl Acetate	5.90	43	1361386	85.91	ug/l	99
43) Ethyl Acetate	6.93	43	130097	18.50	ug/l #	91
44) Isopropyl Acetate	8.17	43	268107	20.58	ug/l #	90
45) 1,4-Dioxane	9.20	88	33462	390.36	ug/l	100
46) Methyl methacrylate	9.20	41	118861	18.82	ug/l	98
47) n-amyl Acetate	12.07	43	173825	17.15	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	195052	18.28	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	222243	17.73	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	140516	18.45	ug/l	98
51) Ethyl methacrylate	10.43	69	165287	17.88	ug/l	98
52) 1,3-Dichloropropane	10.71	76	229314	18.33	ug/l	99
53) Dibromochloromethane	10.90	129	154702	17.90	ug/l	99
54) 1,2-Dibromoethane	11.01	107	134801	18.07	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	358844	85.76	ug/l	99
56) Bromoform	12.13	173	105396	17.27	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	686101	99.81	ug/l	99
59) 2-Hexanone	10.75	43	466509	99.47	ug/l	99
61) Tetrachloroethene	10.63	164	144867	18.10	ug/l	99
62) Toluene	10.16	91	628110	18.63	ug/l	99
64) Chlorobenzene	11.44	112	384968	18.83	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	152401	19.12	ug/l	99
66) Ethyl Benzene	11.51	91	634623	18.42	ug/l	99
67) m/p-Xylenes	11.62	106	497071	37.50	ug/l	100
68) o-Xylene	11.95	106	237853	18.86	ug/l	99
69) Styrene	11.97	104	377277	18.66	ug/l	99
70) Isopropylbenzene	12.25	105	638311	19.00	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	180243	19.54	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	146565m	18.61	ug/l	
73) Bromobenzene	12.53	156	165066	18.45	ug/l	98
74) n-propylbenzene	12.59	91	726887	18.58	ug/l	99
75) 2-Chlorotoluene	12.68	91	442885	18.85	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	523921	18.99	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	40046	15.55	ug/l	94
78) 4-Chlorotoluene	12.77	91	434360	18.65	ug/l	99
79) tert-butylbenzene	12.99	119	449990	19.08	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	526175	18.82	ug/l	100
81) sec-Butylbenzene	13.17	105	605504	18.90	ug/l	99
82) p-Isopropyltoluene	13.29	119	514732	18.83	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	283109	18.17	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	268795	18.26	ug/l	98
85) n-Butylbenzene	13.62	91	393179	17.72	ug/l	99
86) Hexachloroethane	13.88	117	93005	17.02	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	288447	18.94	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27090	18.86	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	121293	16.67	ug/l	98
90) Hexachlorobutadiene	15.01	225	90274	18.82	ug/l	98
91) Naphthalene	15.14	128	244880	18.38	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	130769	17.68	ug/l	100

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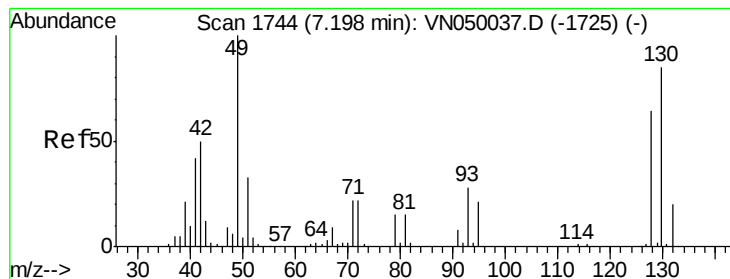
Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:37:42 AM

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



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

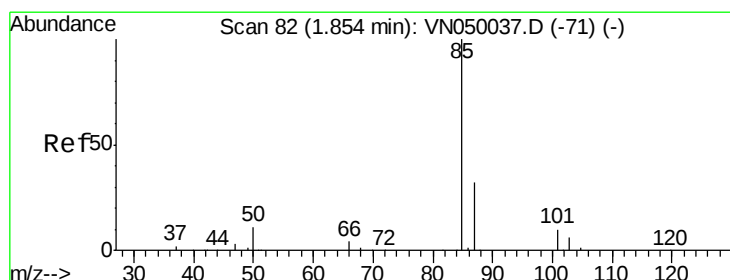
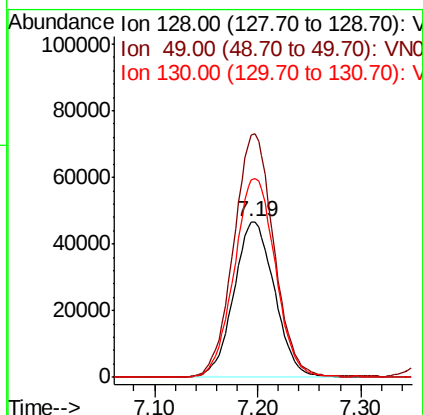
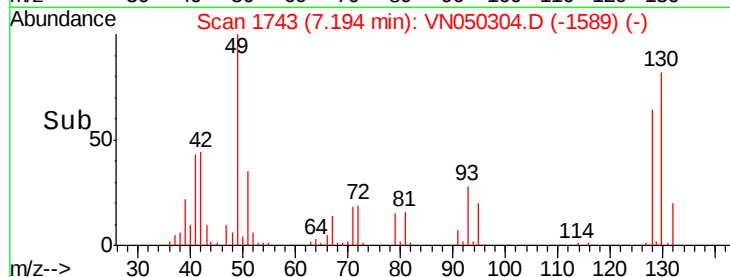
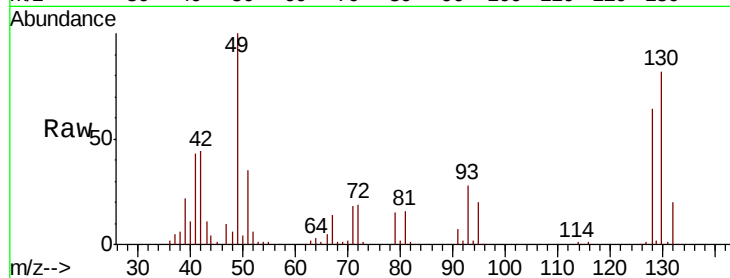
ClientSampleId :

VSTDCCC020

Tot Ion	128	Resp	128134
Ion	Ratio	Lower	Upper
128	100		
49	154.4	0.0	378.3
130	129.1	0.0	320.7

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#2

Dichlorodifluoromethane

Concen: 17.96 ug/l

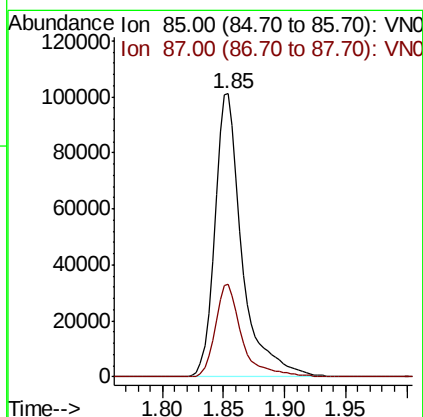
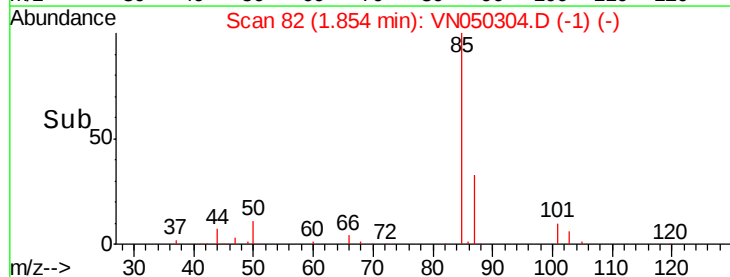
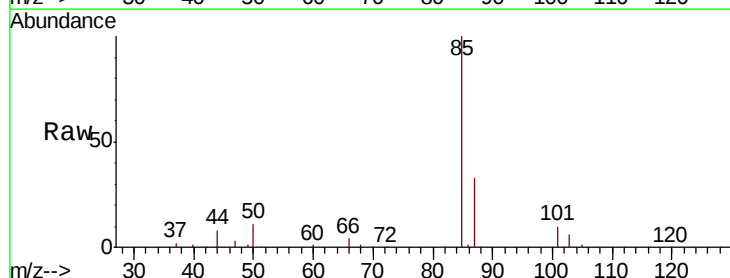
RT: 1.85 min Scan# 82

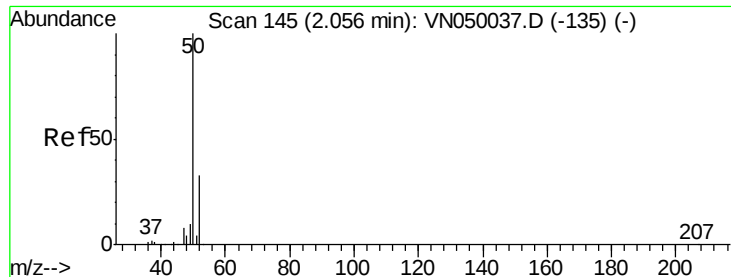
Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Tgt Ion	85	Resp	158575
Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.4	46.4





#3

Chloromethane

Concen: 15.77 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 143610

Ion Ratio Lower Upper

50 100

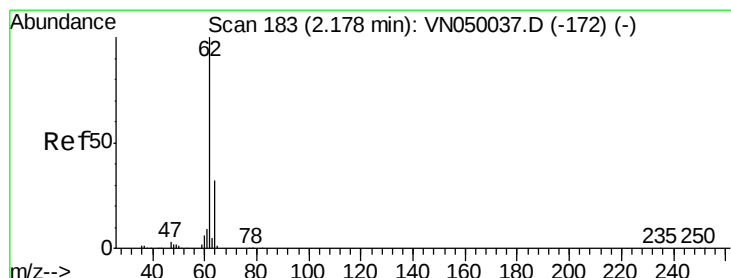
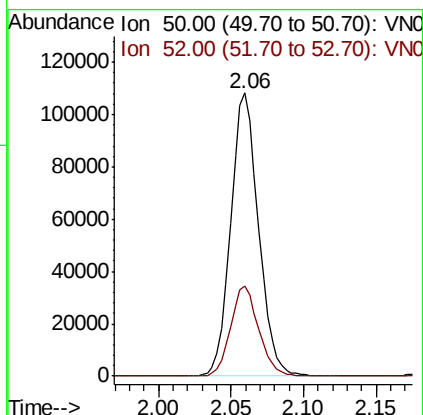
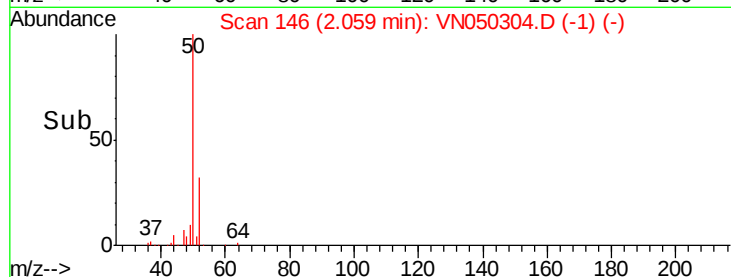
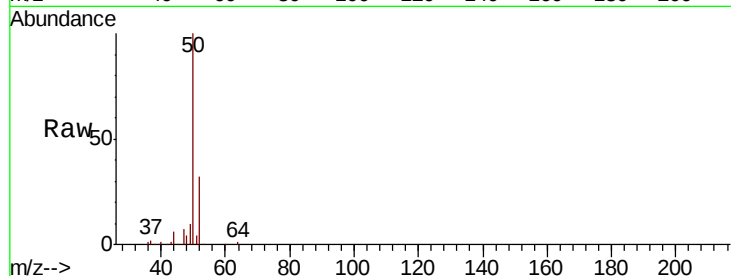
52 31.9 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.64 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050304.D

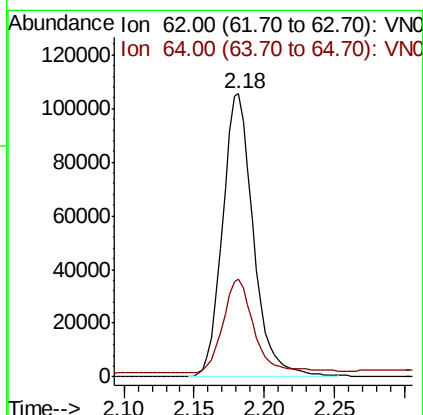
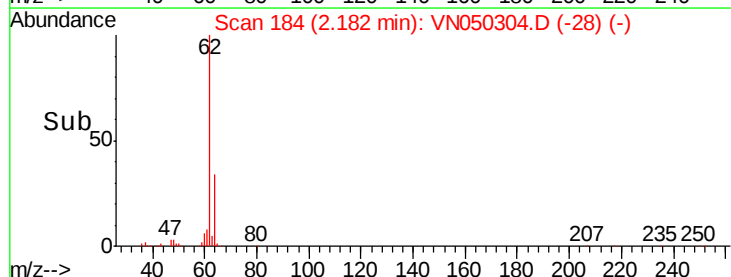
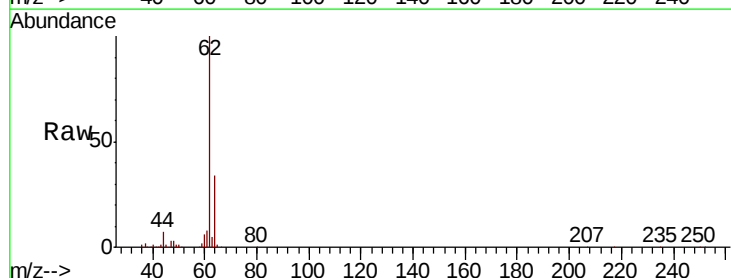
Acq: 3 Aug 2018 10:29

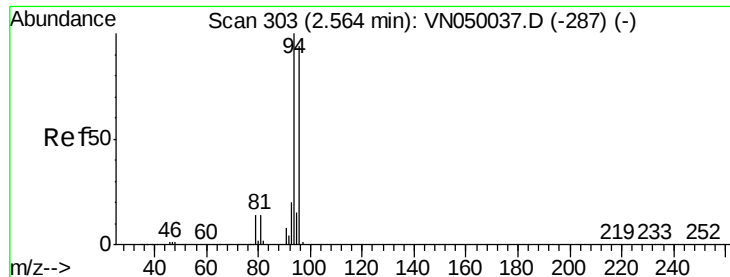
Tgt Ion: 62 Resp: 161247

Ion Ratio Lower Upper

62 100

64 32.8 24.4 36.6





#5

Bromomethane

Concen: 4.05 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 94 Resp: 23936

Ion Ratio Lower Upper

94 100

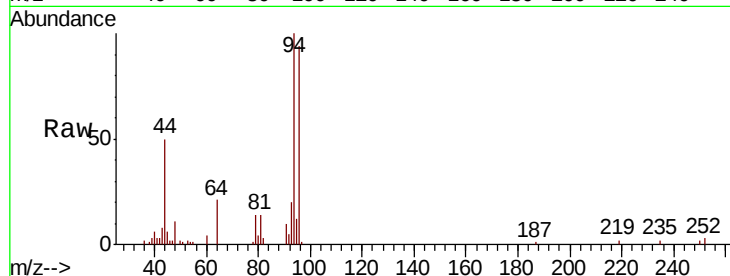
96 93.8 75.9 113.9

Manual Integrations

APPROVED

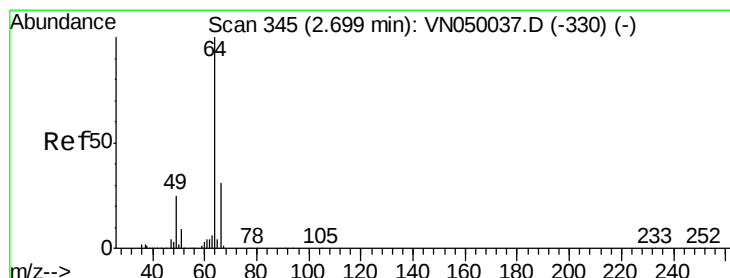
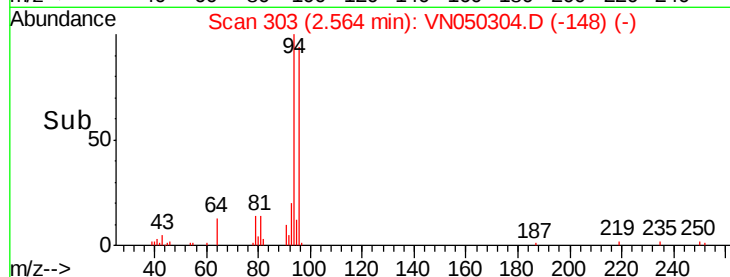
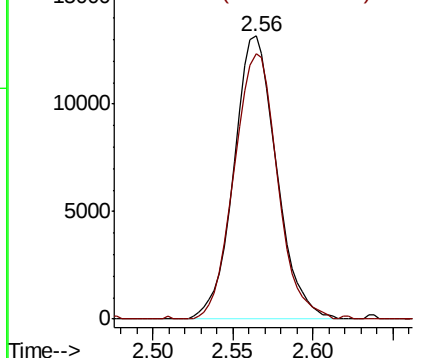
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 16.99 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050304.D

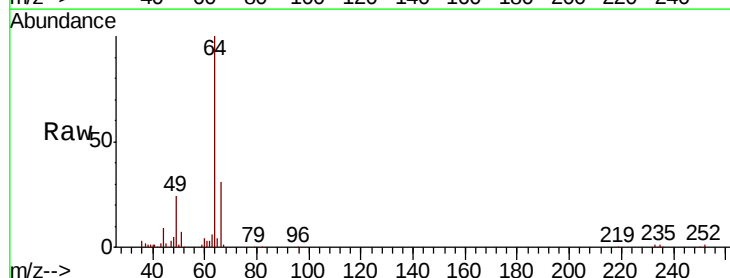
Acq: 3 Aug 2018 10:29

Tgt Ion: 64 Resp: 97364

Ion Ratio Lower Upper

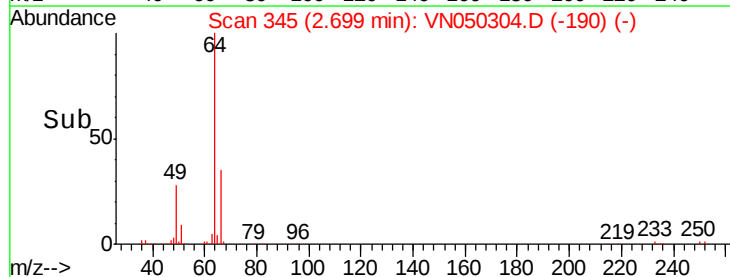
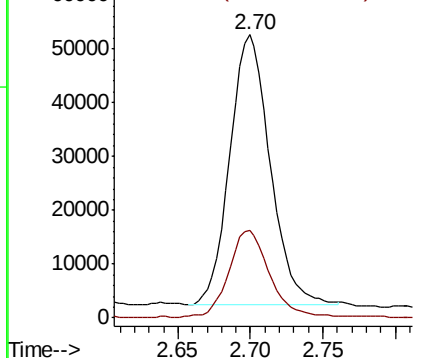
64 100

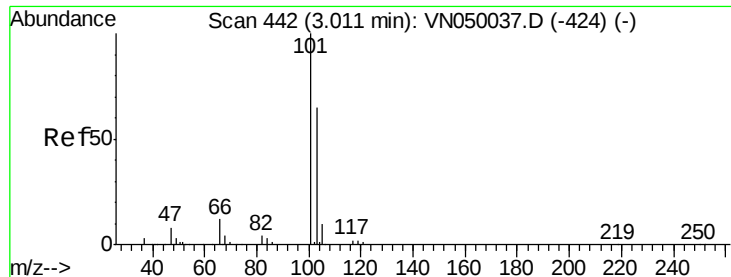
66 31.6 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

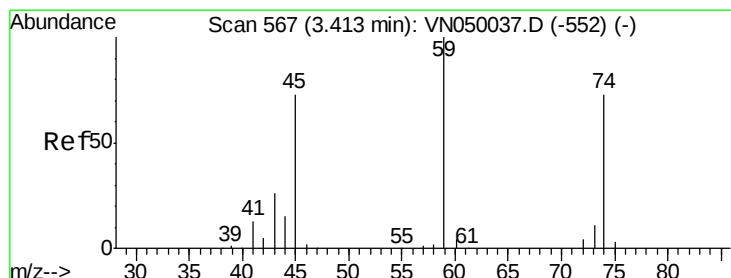
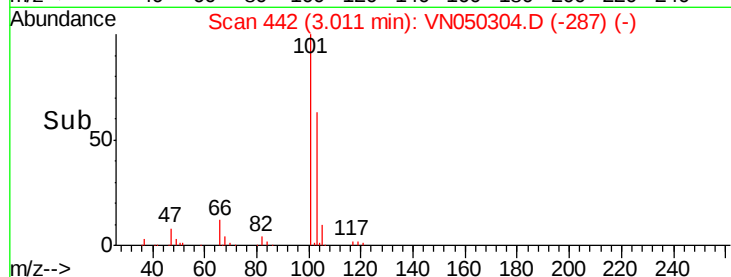
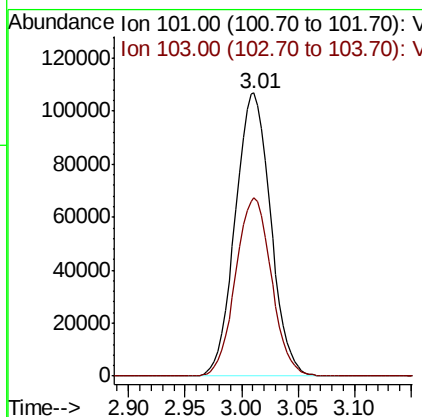
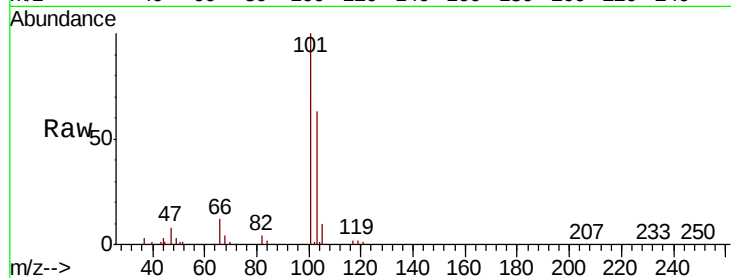
Trichlorofluoromethane
Concen: 18.41 ug/l
RT: 3.01 min Scan# 442
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.5	77.3

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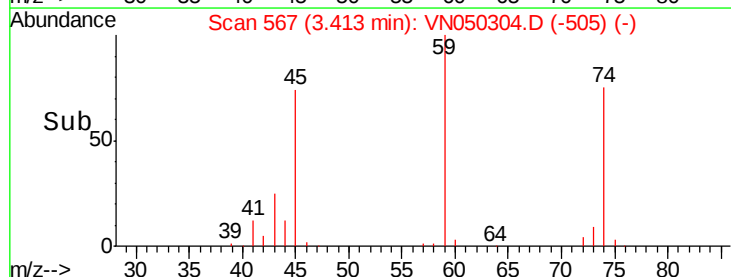
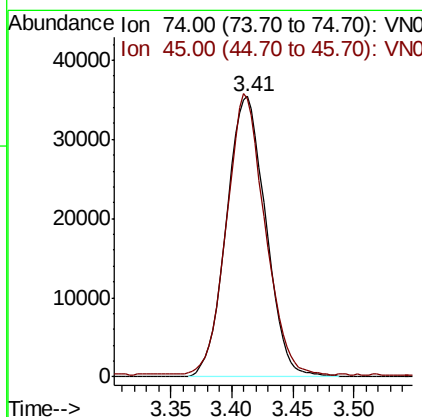
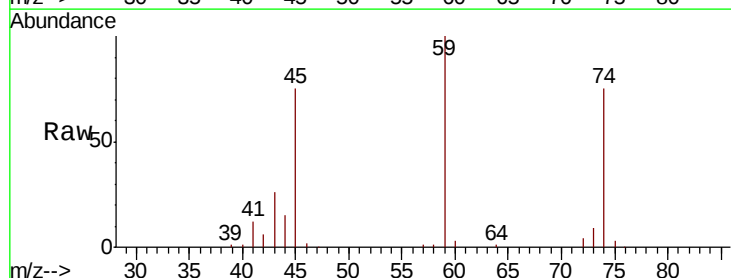
MMDadoda
8/6/2018 11:37:42 AM

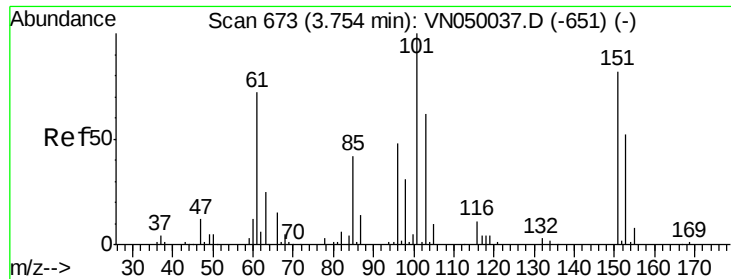


#8

Diethyl Ether
Concen: 18.74 ug/l
RT: 3.41 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	18.7	167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.88 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

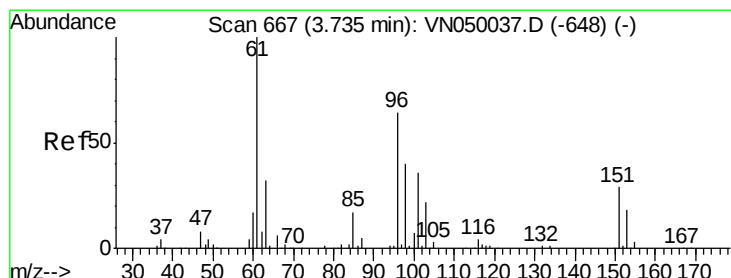
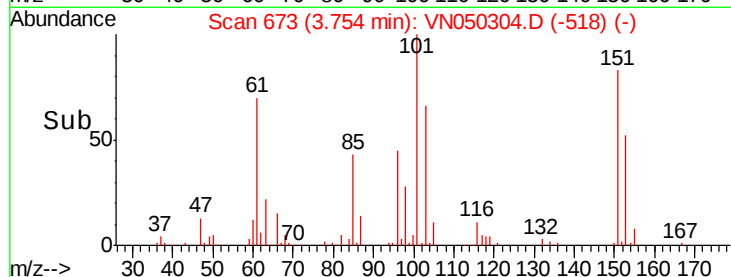
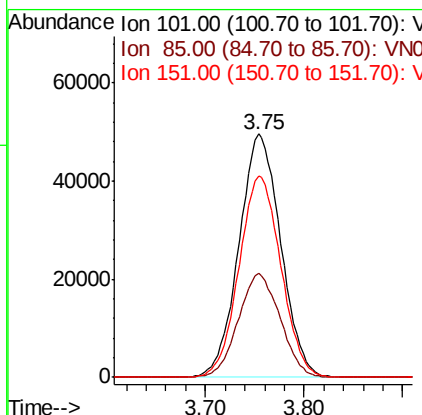
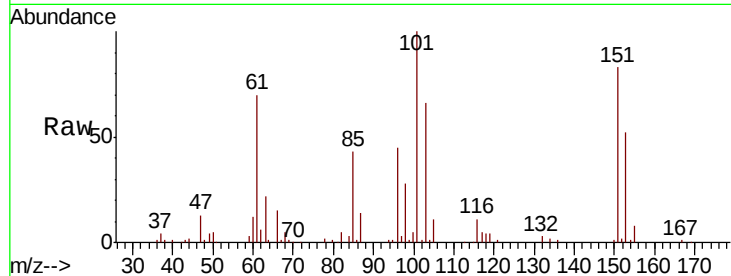
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	145504
Ion Ratio	Lower	Upper	
101	100		
85	42.8	0.0	83.0
151	82.8	0.0	166.8

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#10

1,1-Dichloroethene

Concen: 17.76 ug/l

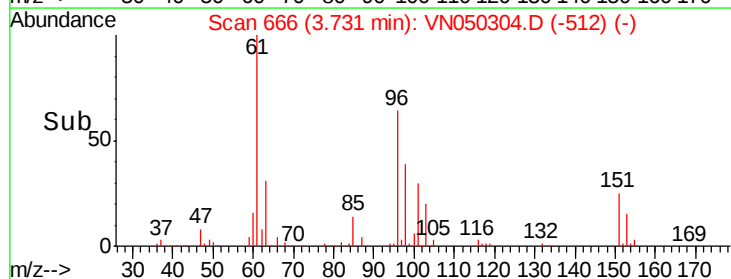
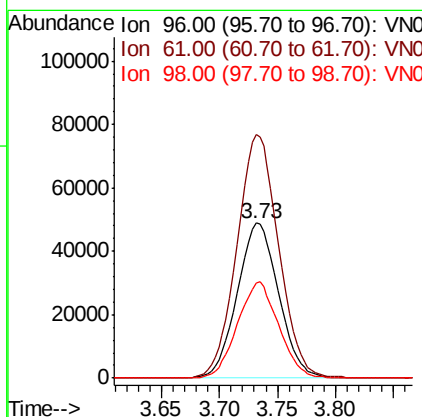
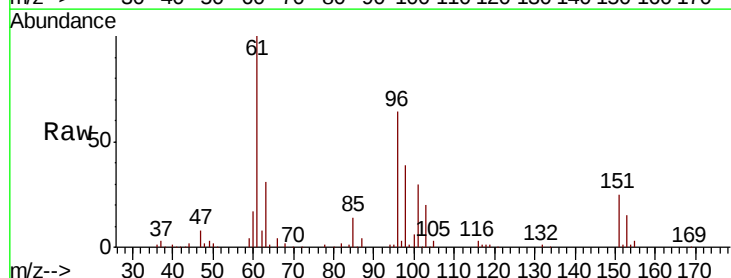
RT: 3.73 min Scan# 666

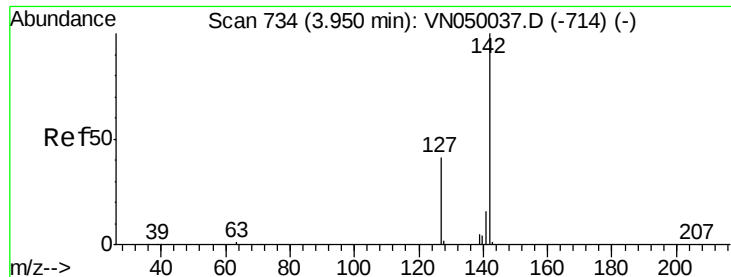
Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Tgt Ion:	96	Resp:	121318
Ion Ratio	Lower	Upper	
96	100		
61	157.3	130.6	195.8
98	61.5	53.5	80.3





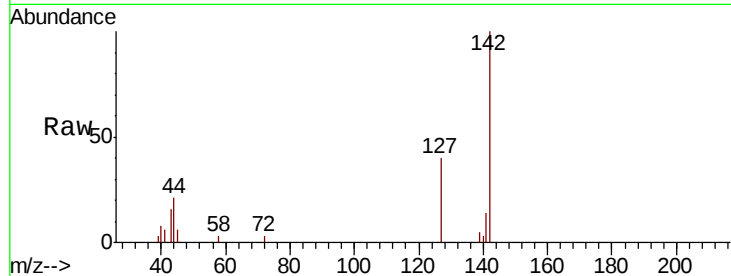
#11
Methyl Iodide
Concen: 1.61 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.2	20.2	60.5
141	14.0	6.9	20.6

Manual Integrations
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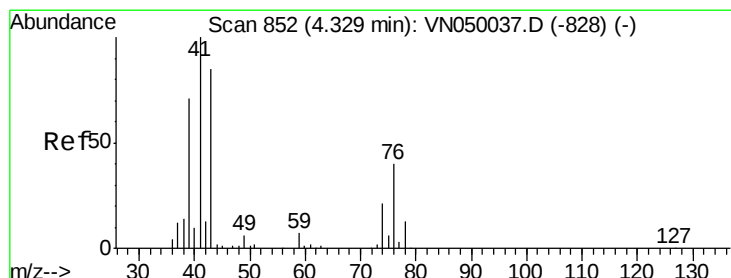
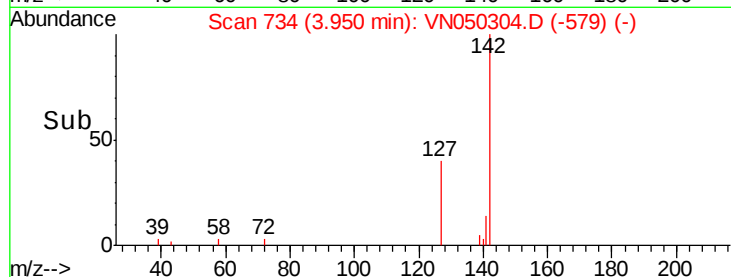
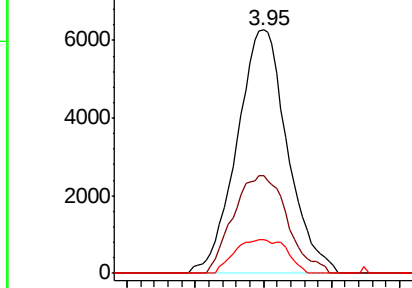


Abundance

Ion 142.00 (141.70 to 142.70): V

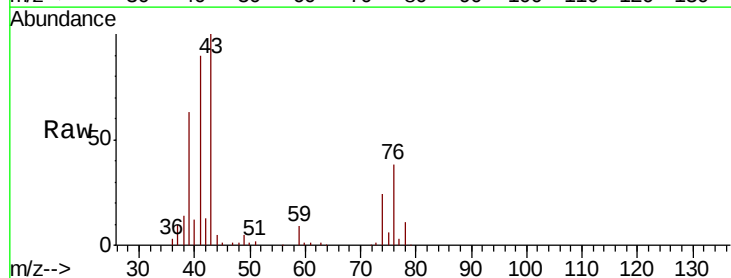
Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12
Methyl Acetate
Concen: 23.46 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

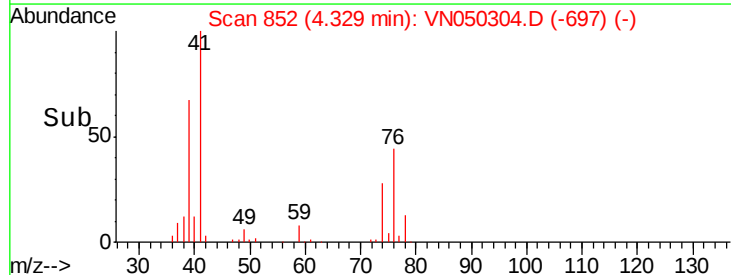
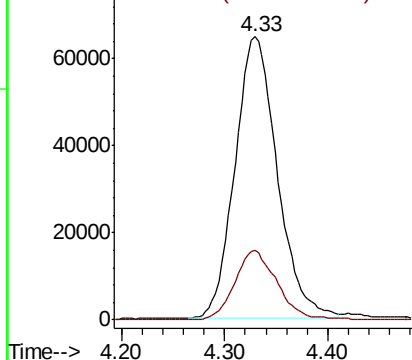
Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.3	28.9

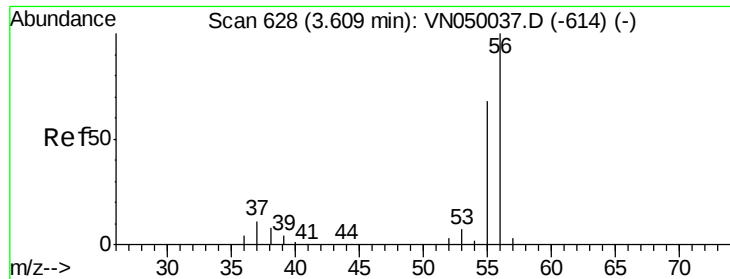


Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





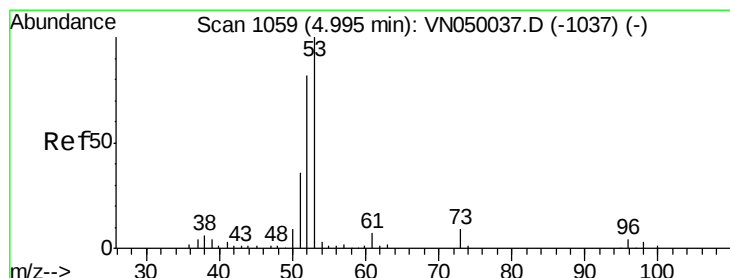
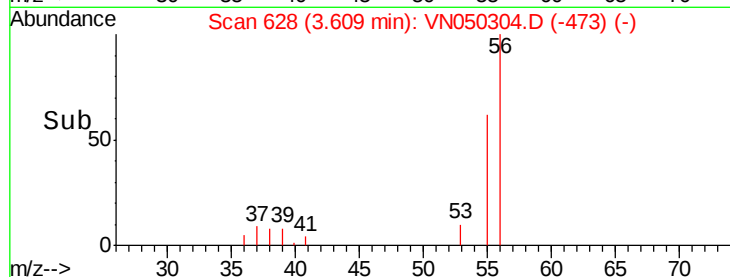
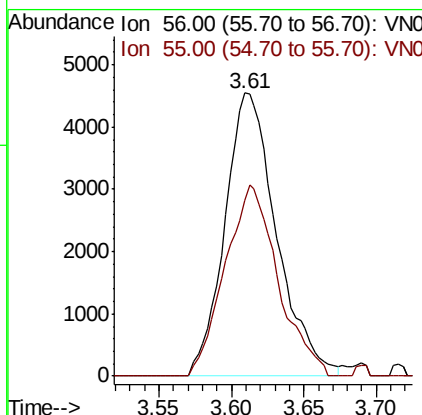
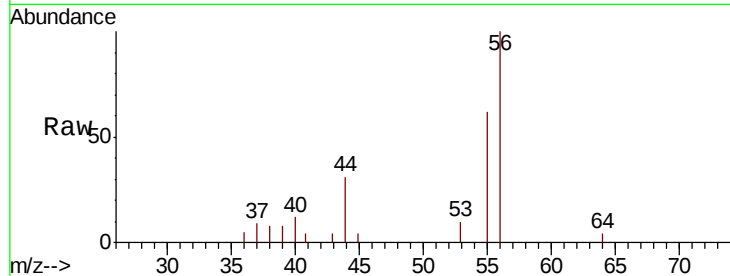
#13
Acrolein
Concen: 23.29 ug/l
RT: 3.61 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	56	55	Ratio	100	69.0	Resp	11264	Lower	58.6	Upper	88.0
Ion											

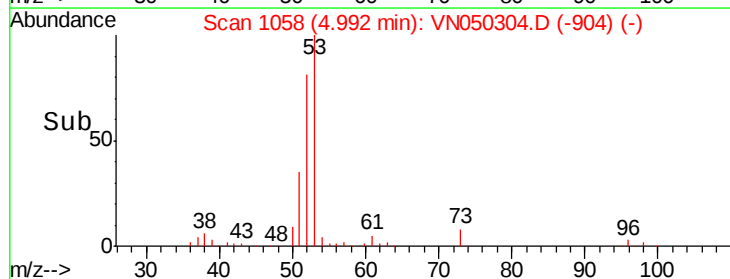
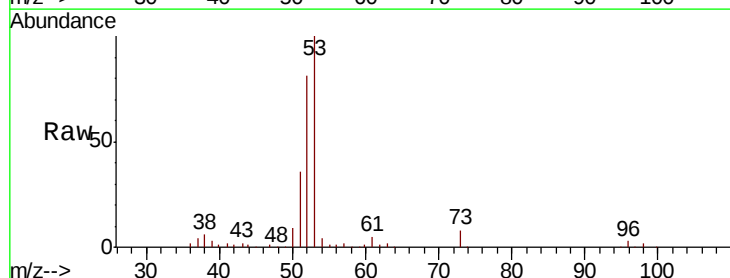
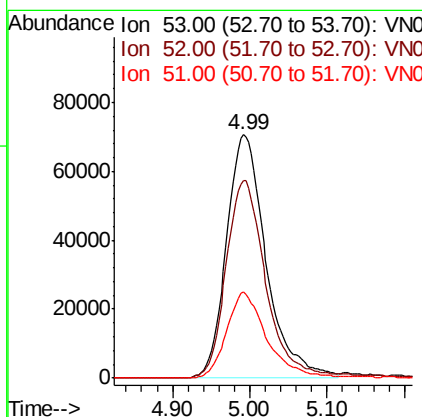
Manual Integrations
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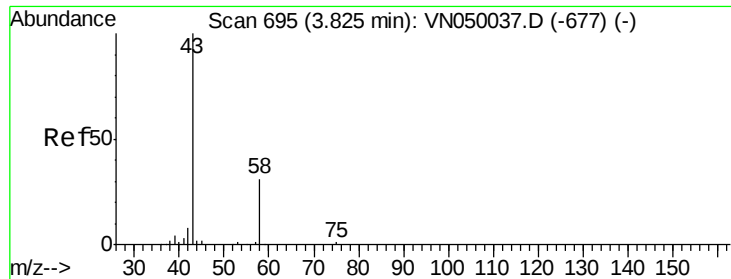
MMDadoda
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#14
Acrylonitrile
Concen: 96.22 ug/l
RT: 4.99 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Tgt Ion	53	52	51	Ratio	100	80.8	35.7	Resp	251271	Lower	41.5	18.7	Upper	124.5	56.1
Ion															





#15

Acetone

Concen: 112.31 ug/l

RT: 3.82 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 58 Resp: 77945

Ion Ratio Lower Upper

58 100

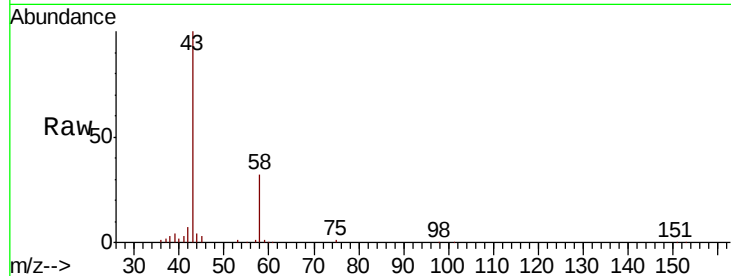
43 316.3 252.0 378.0

Manual Integrations

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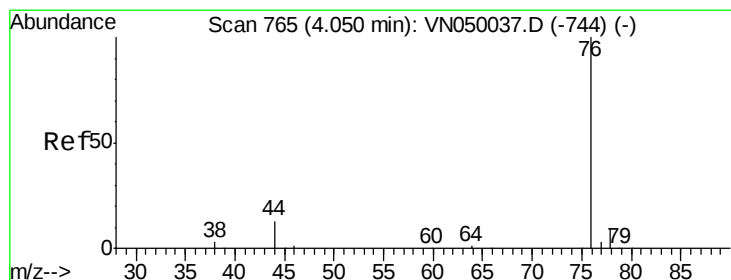
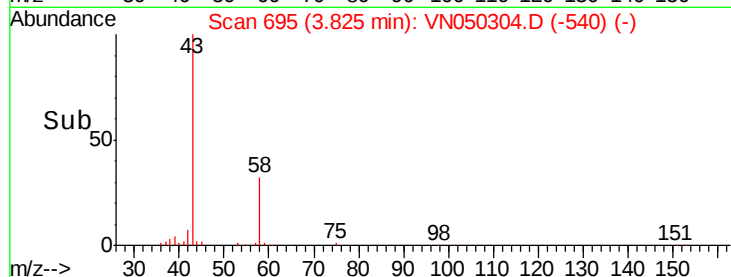
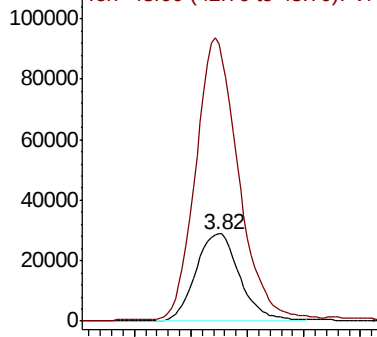
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 15.45 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050304.D

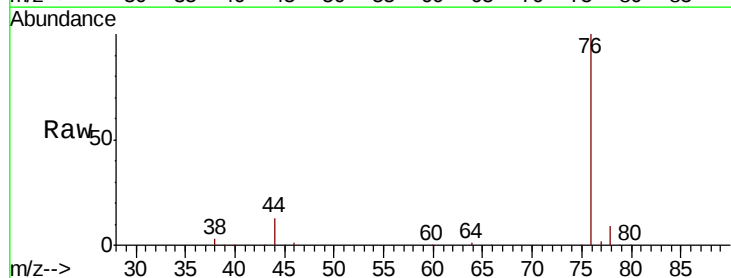
Acq: 3 Aug 2018 10:29

Tgt Ion: 76 Resp: 322959

Ion Ratio Lower Upper

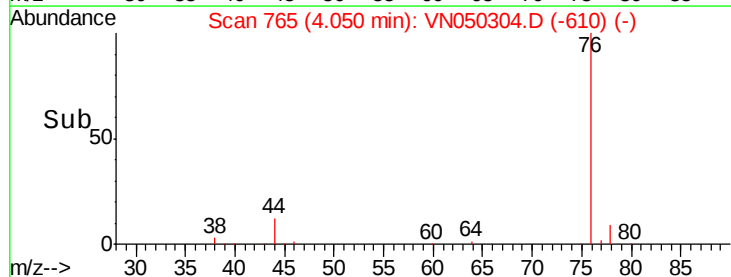
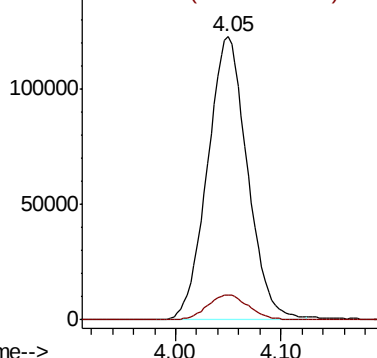
76 100

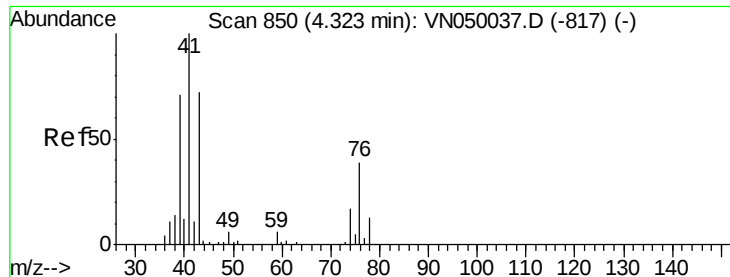
78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 18.04 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

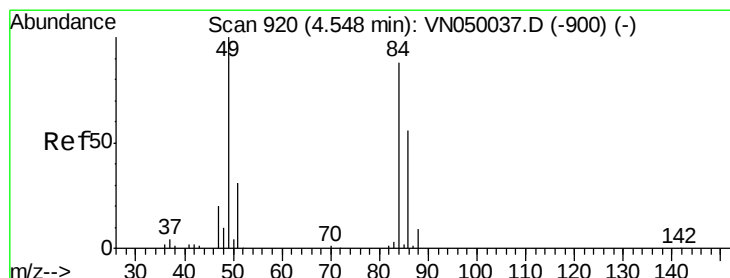
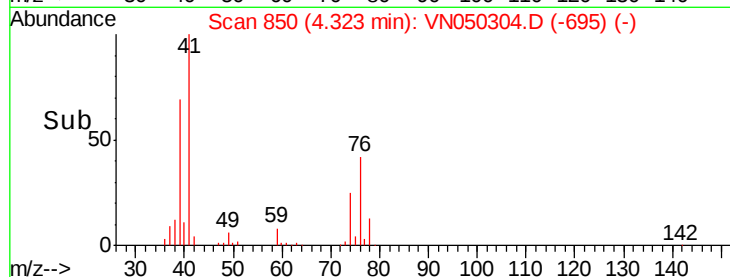
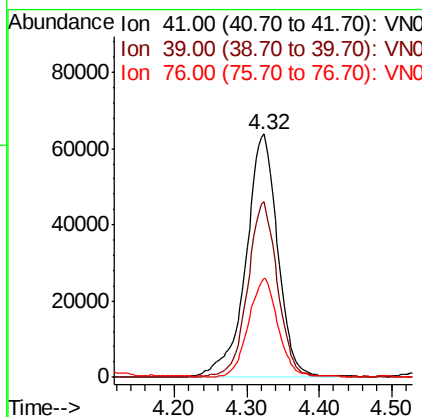
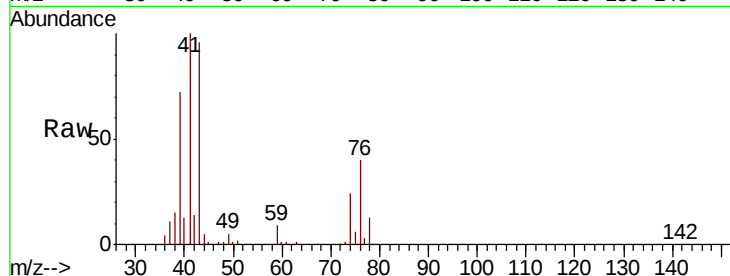
ClientSampled :

VSTDCCC020

Tot Ion:	41	Resp:	194653
Ion	Ratio	Lower	Upper
41	100		
39	72.2	35.4	106.3
76	40.0	19.7	59.1

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#18

Methylene Chloride

Concen: 18.42 ug/l

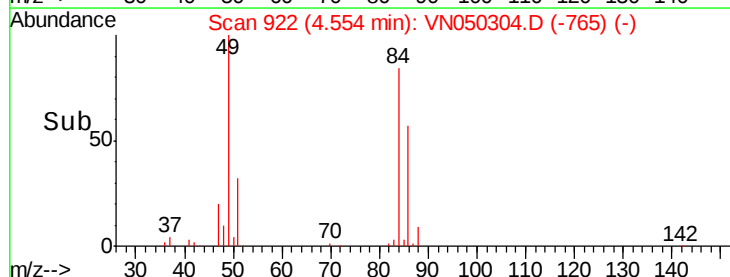
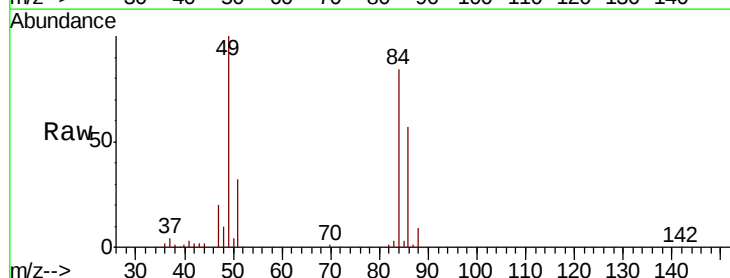
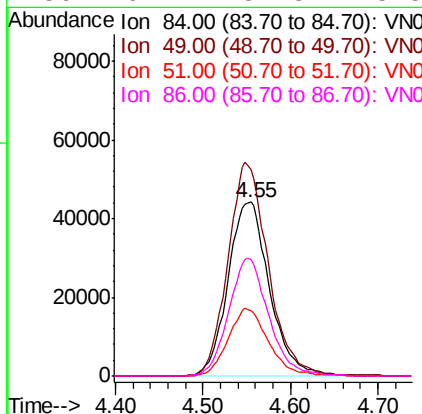
RT: 4.55 min Scan# 922

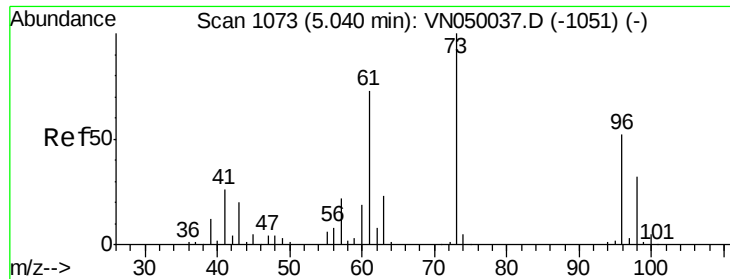
Delta R.T. 0.01 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Tgt Ion:	84	Resp:	145214
Ion	Ratio	Lower	Upper
84	100		
49	118.1	95.1	142.7
51	37.4	28.8	43.2
86	67.2	52.3	78.5





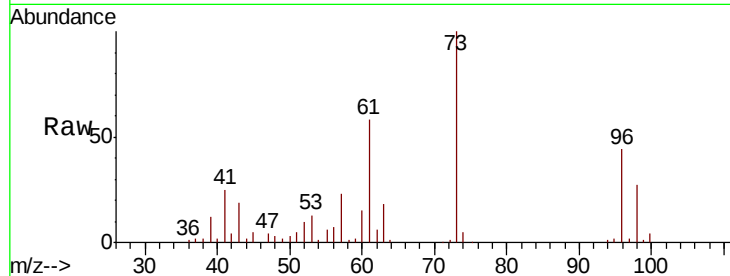
#19
trans-1,2-Dichloroethene
Concen: 18.00 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.1	112.1	168.1
98	61.0	51.3	76.9

Manual Integrations
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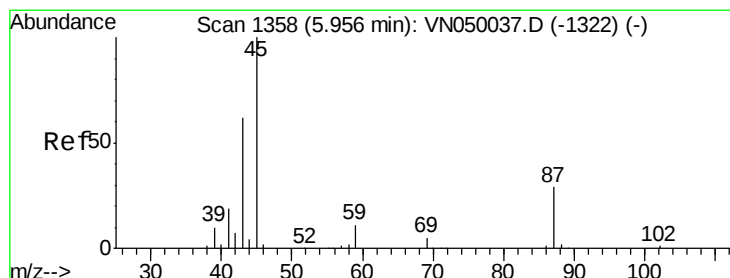
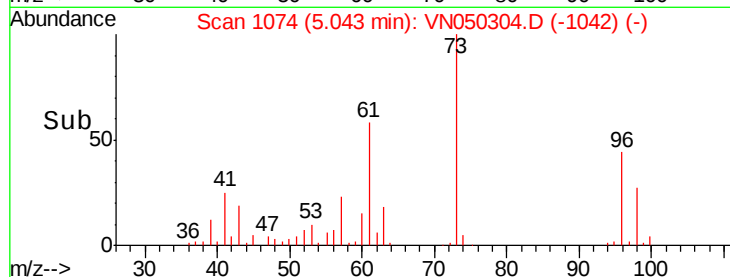
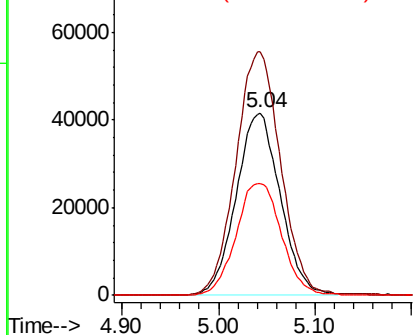


Abundance

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



#20
Diisopropyl ether
Concen: 19.66 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	46.6	70.0
87	28.8	22.3	33.5
59	12.2	9.5	14.3

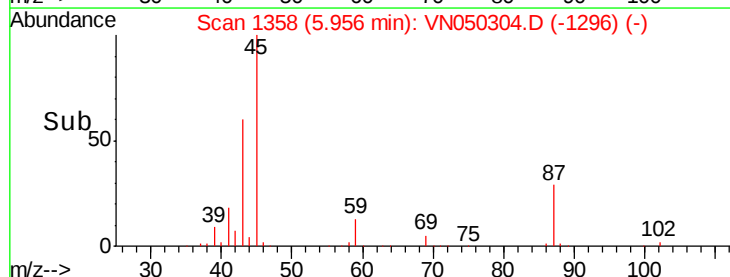
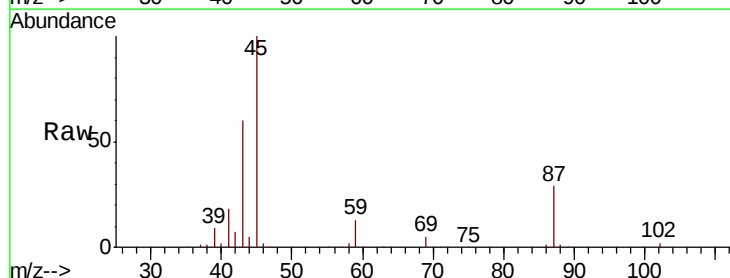
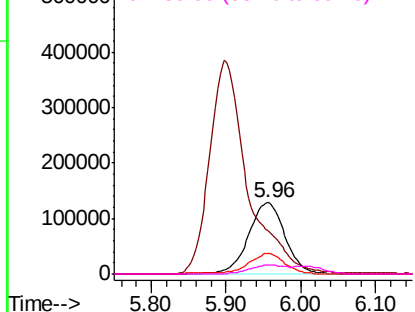
Abundance

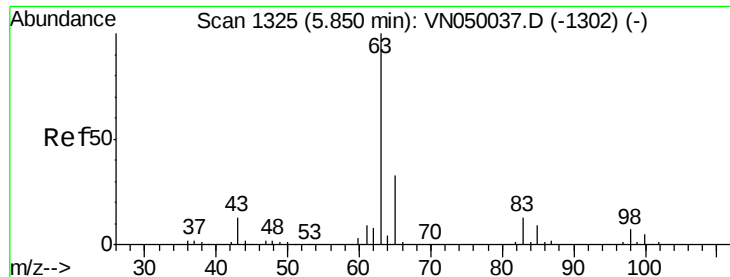
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





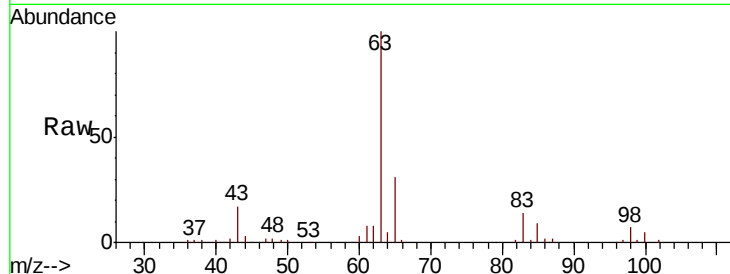
#21
 1,1-Dichloroethane
 Concen: 18.88 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

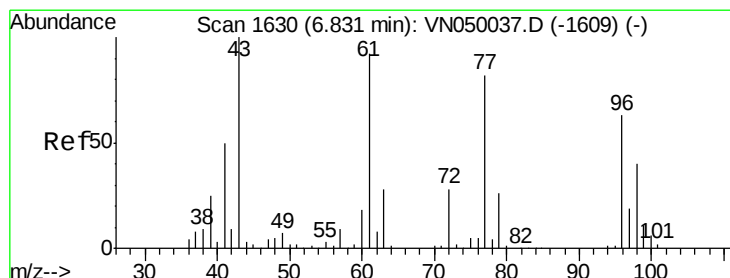
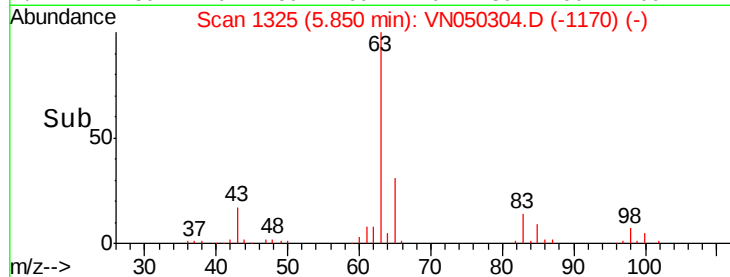
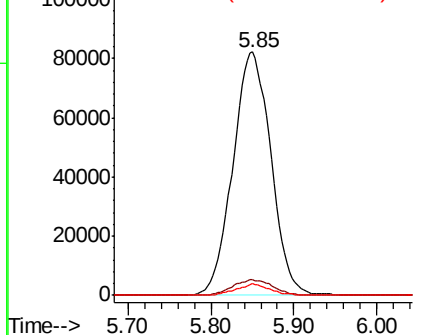
Tot Ion	Ratio	Resp	Lower	Upper
63	100	262672		
98	6.5		3.5	10.6
100	4.7		2.3	6.8

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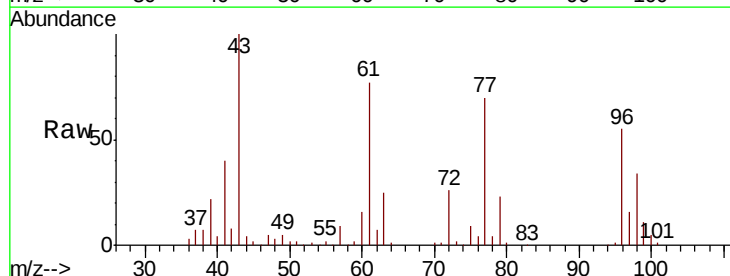


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

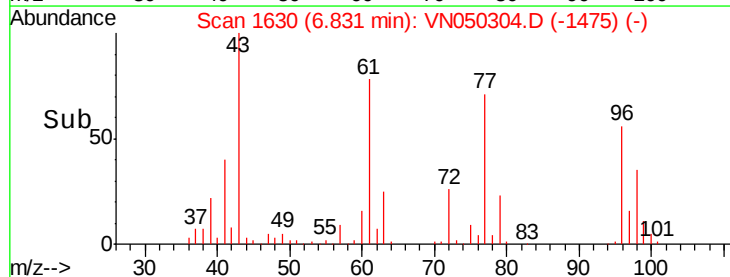
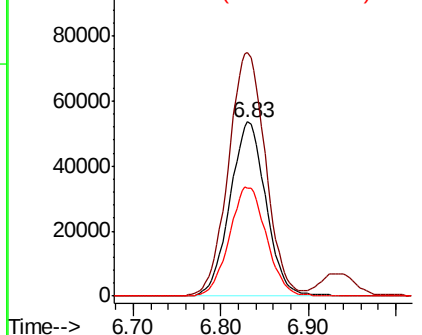


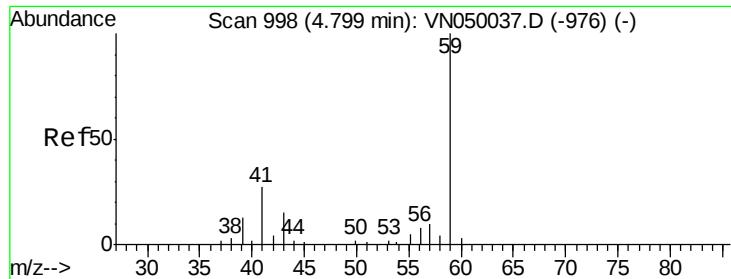
#22
 cis-1,2-Dichloroethene
 Concen: 18.89 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	153246		
61	143.5		114.2	171.2
98	64.3		51.7	77.5



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

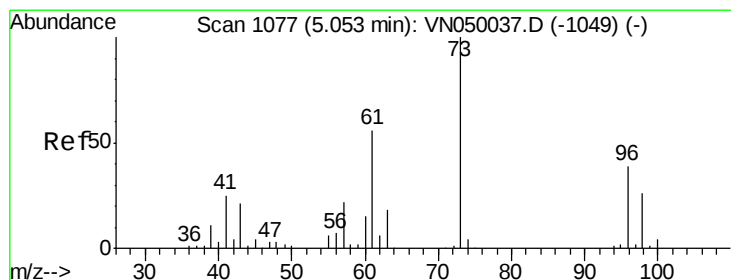
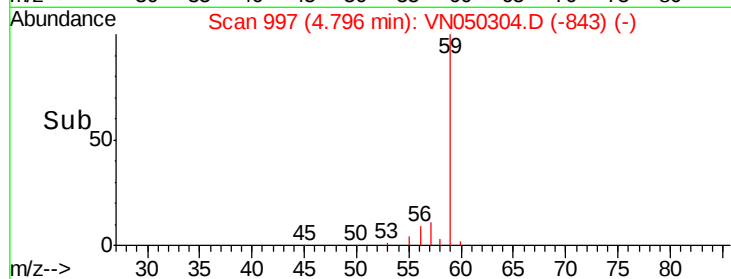
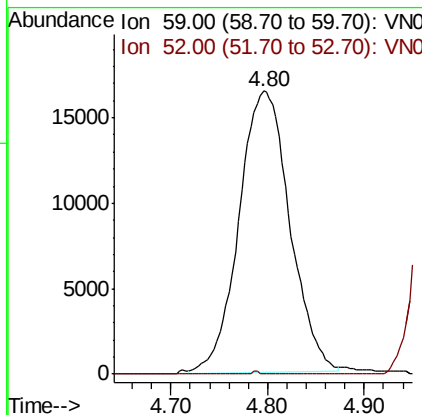
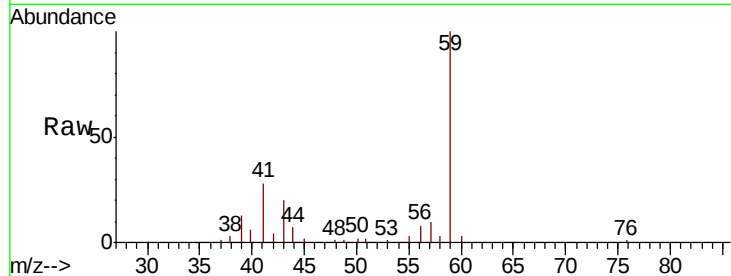
tert-Butyl Alcohol
 Concen: 103.00 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.1	0.1

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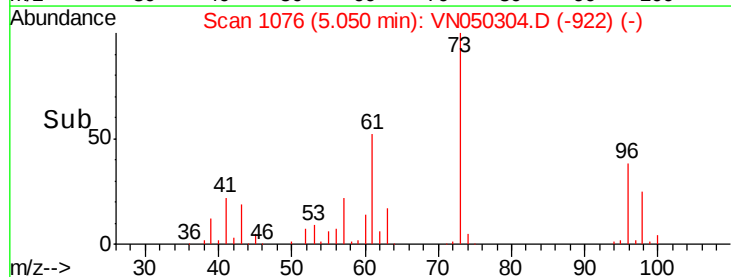
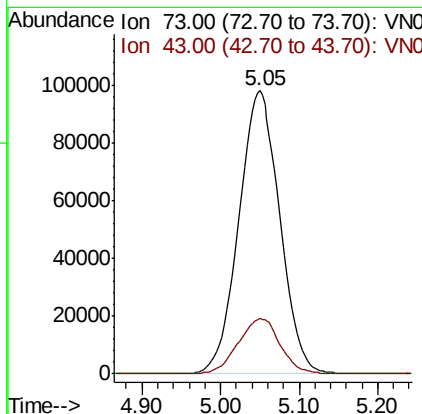
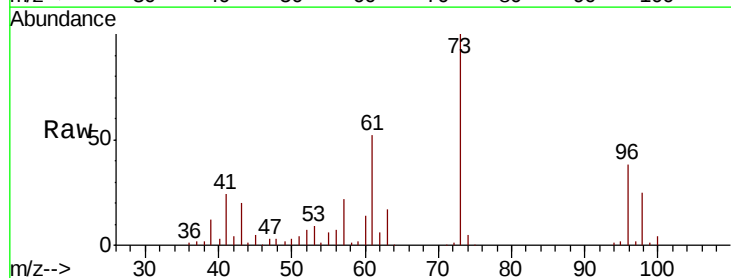
MMDadoda
 8/6/2018 11:37:42 AM

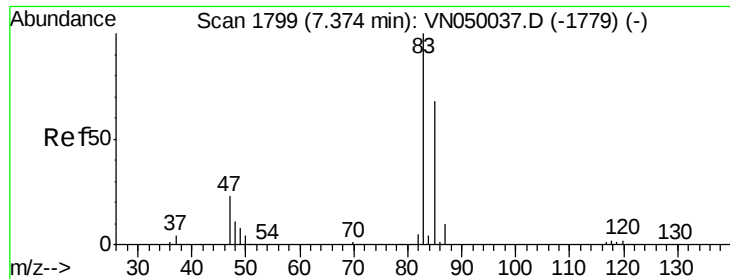


#24

Methyl tert-Butyl Ether
 Concen: 19.26 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.4	15.5	23.3





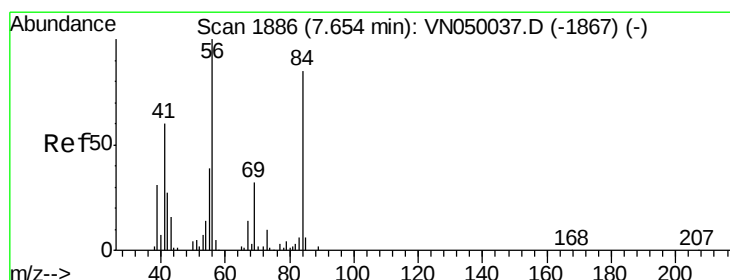
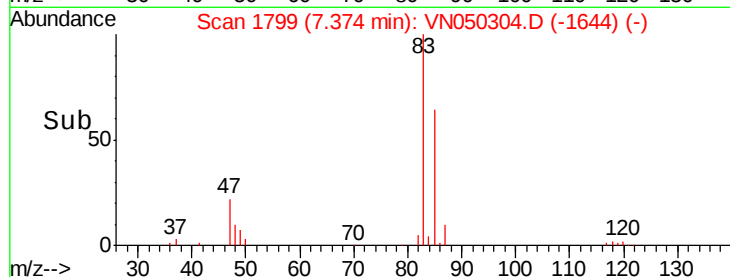
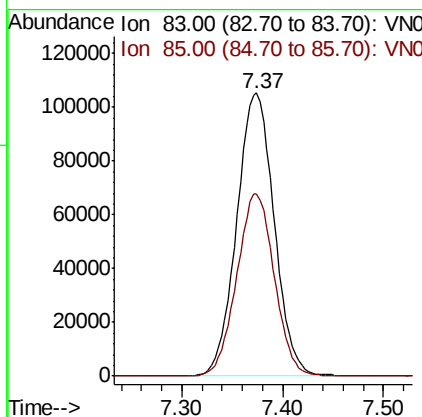
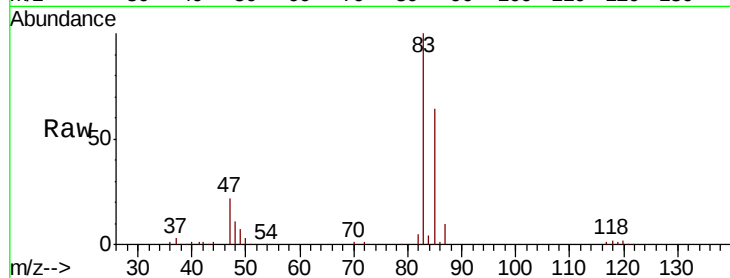
#25
Chloroform
Concen: 19.25 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	271101
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	52.1	78.1

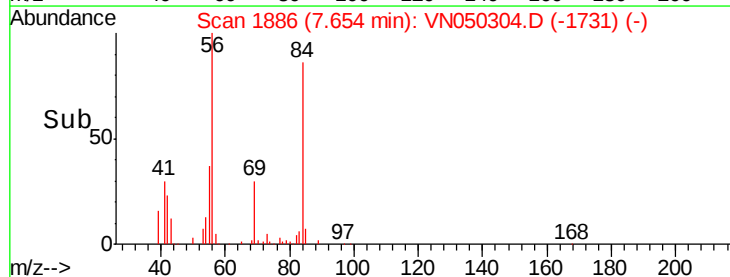
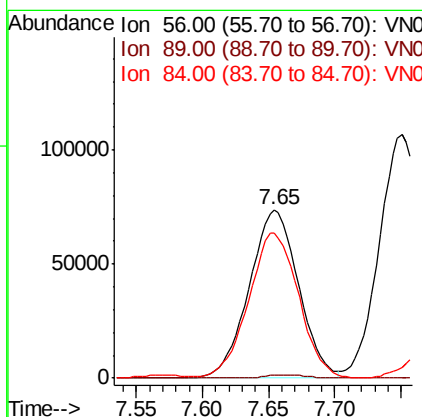
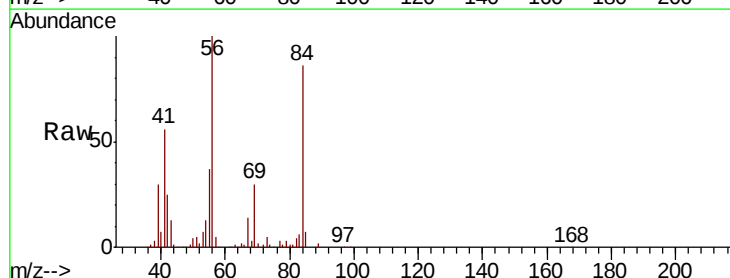
Manual Integrations
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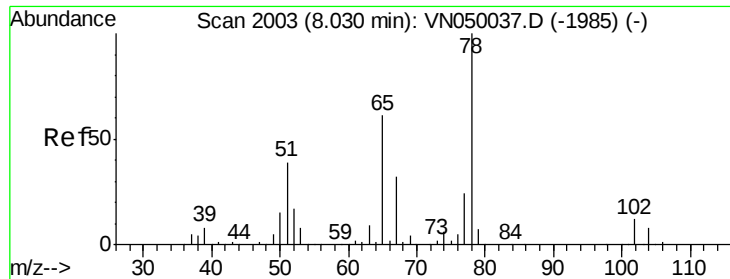
MMDadoda
8/6/2018 11:37:42 AM



#26
Cyclohexane
Concen: 17.29 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Tgt Ion	56	Resp	191155
Ion Ratio	100	Lower	Upper
56	100		
89	1.6	3.0	4.4#
84	87.6	69.8	104.8





#27

1,2-Dichloroethane-d4

Concen: 30.09 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 262075

Ion Ratio Lower Upper

65 100

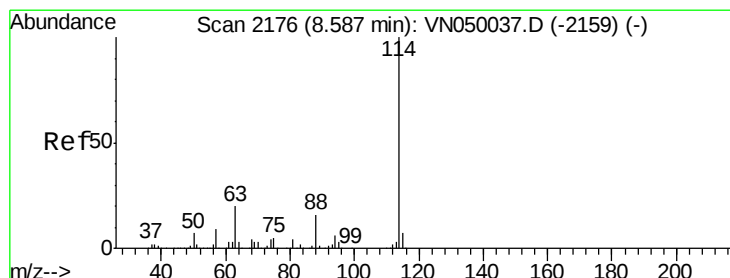
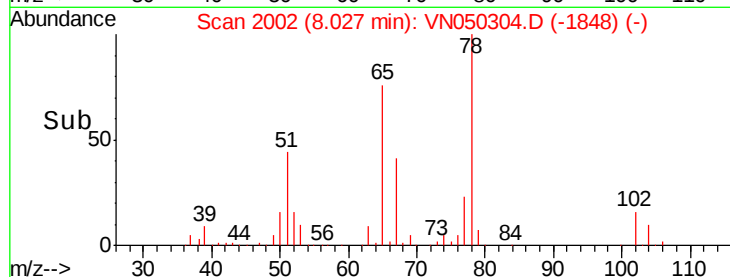
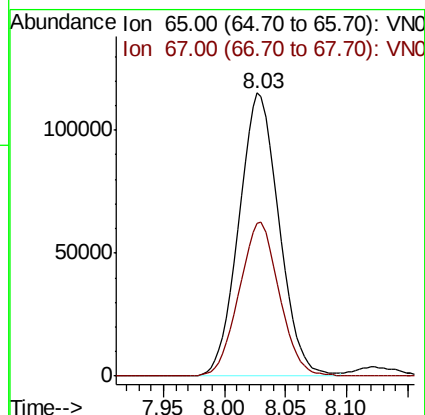
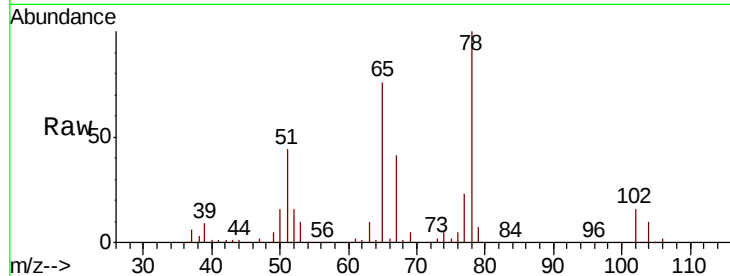
67 54.5 42.7 64.1

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#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

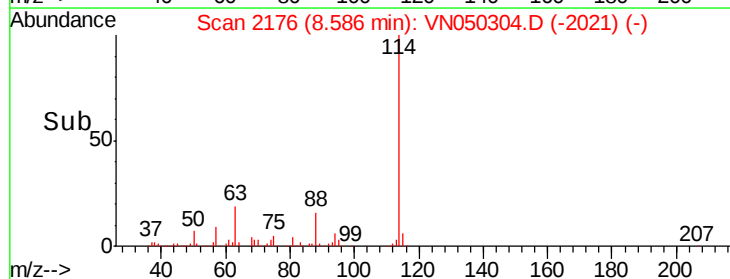
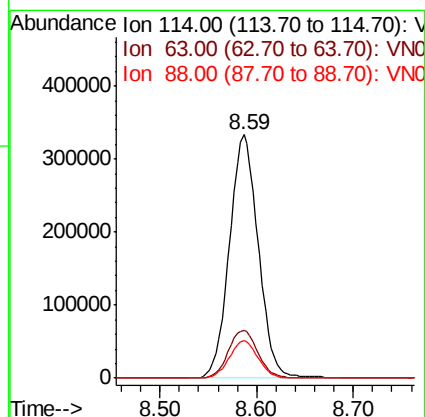
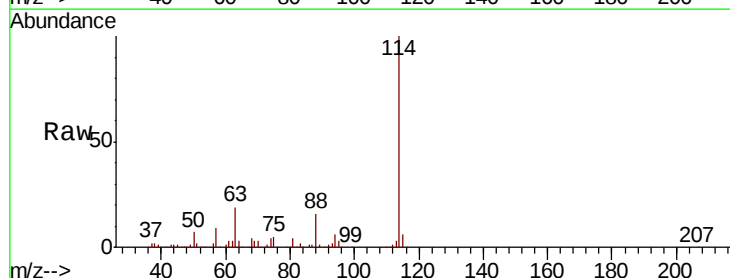
Tgt Ion: 114 Resp: 691509

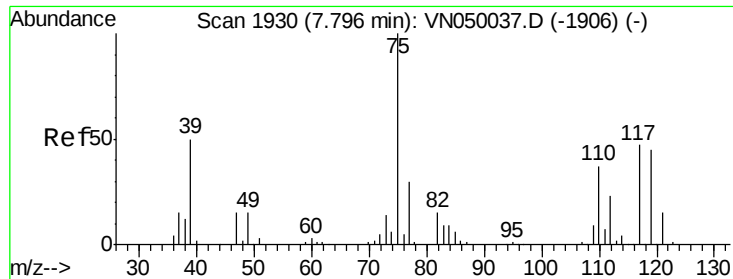
Ion Ratio Lower Upper

114 100

63 20.0 16.2 24.2

88 15.3 12.3 18.5





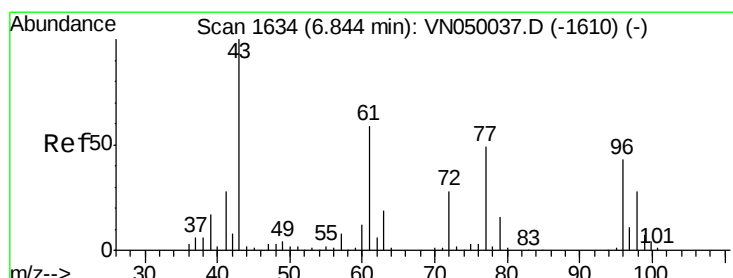
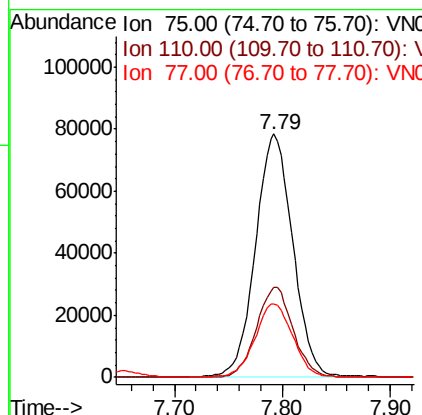
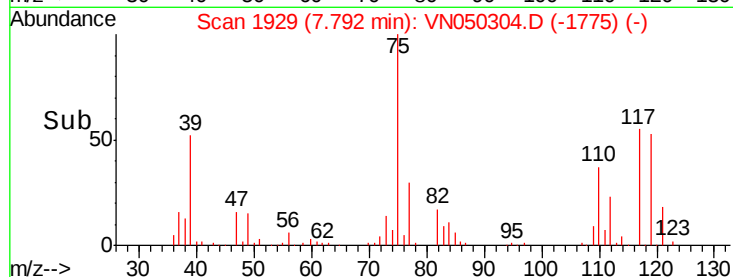
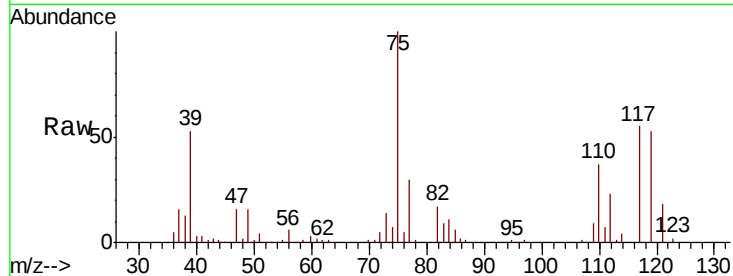
#29
 1,1-Dichloropropene
 Concen: 17.53 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.2	0.0	73.2
77	30.8	0.0	62.0

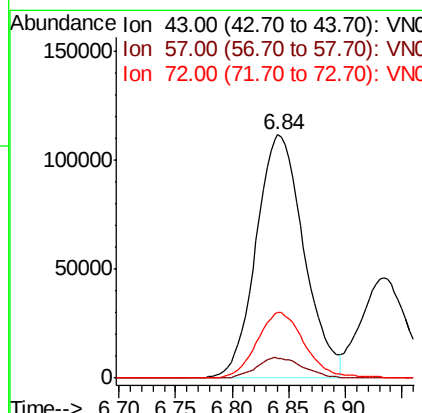
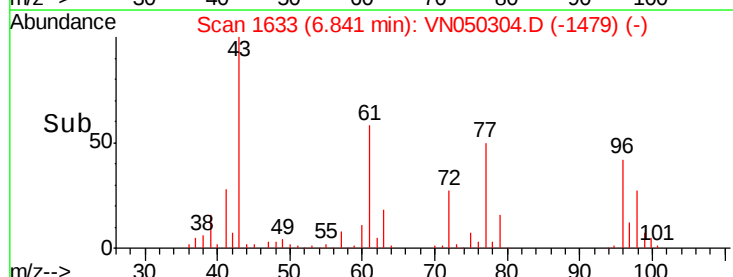
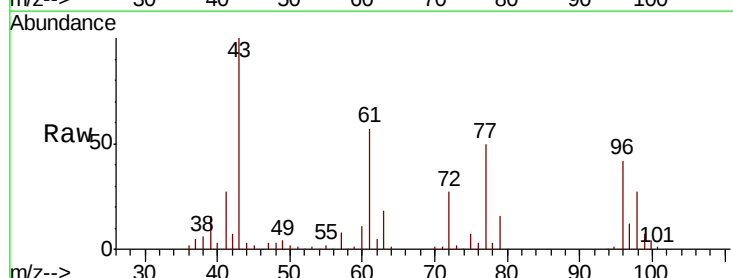
Manual Integrations
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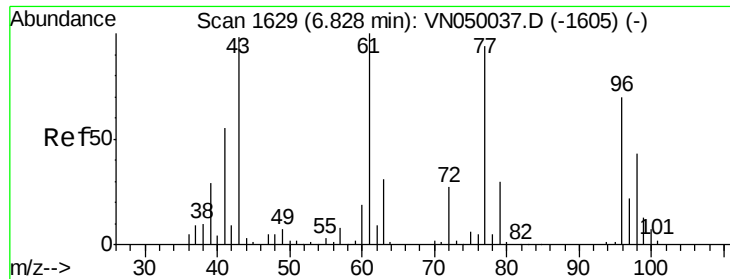
MMDadoda
 8/6/2018 11:37:42 AM



#30
 2-Butanone
 Concen: 96.75 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.4	6.8	10.2
72	27.4	21.4	32.0





#31

2,2-Dichloropropane

Concen: 18.73 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 222136

Ion Ratio Lower Upper

77 100

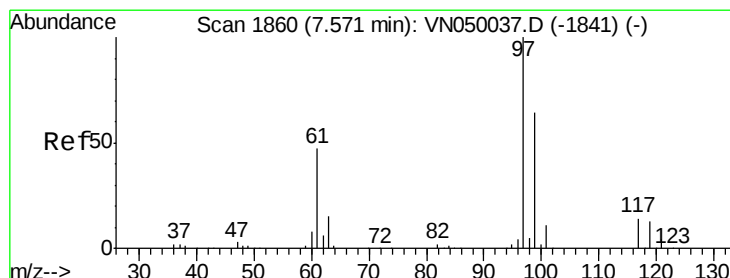
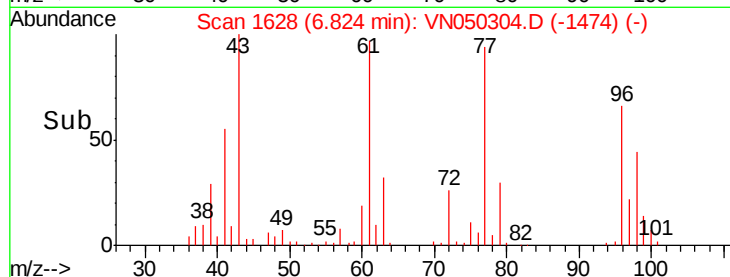
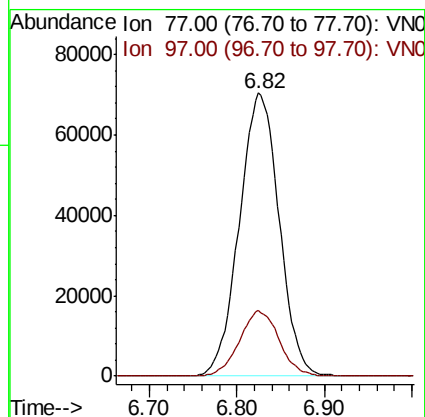
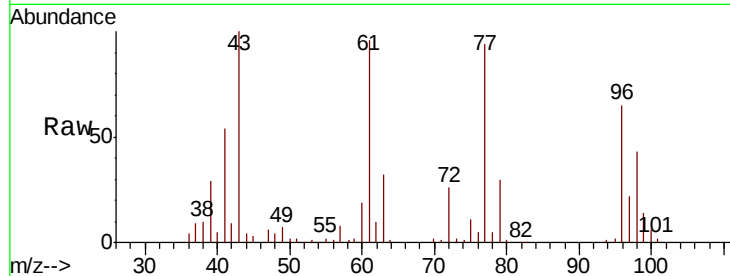
97 23.0 18.9 28.3

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 18.09 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

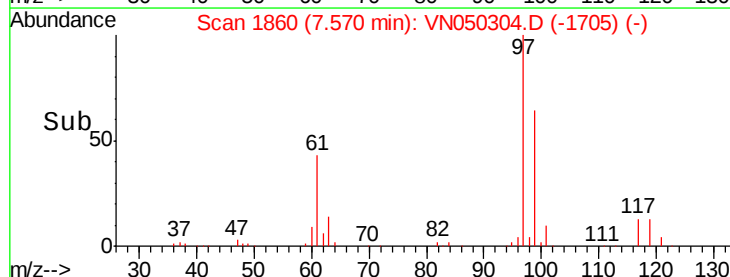
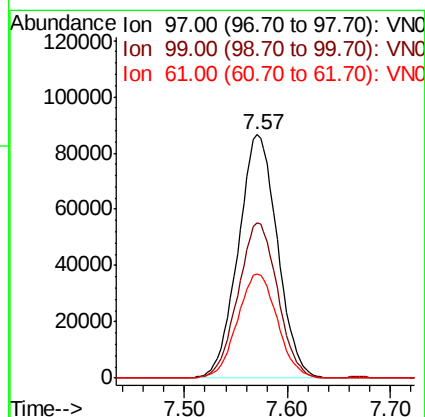
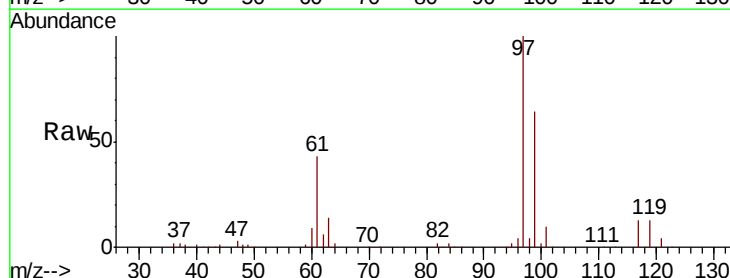
Tgt Ion: 97 Resp: 228529

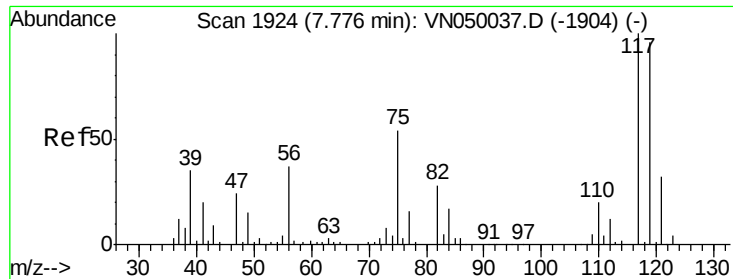
Ion Ratio Lower Upper

97 100

99 64.4 51.2 76.8

61 43.6 35.3 52.9





#33

Carbon Tetrachloride

Concen: 17.59 ug/l

RT: 7.77 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

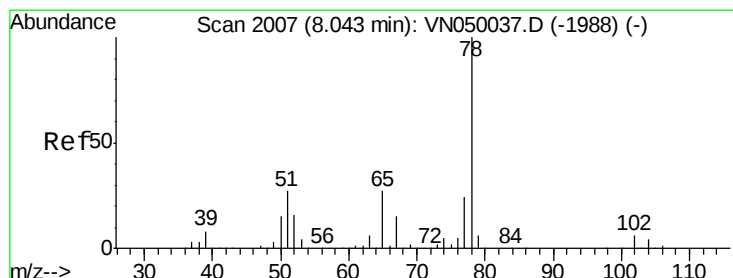
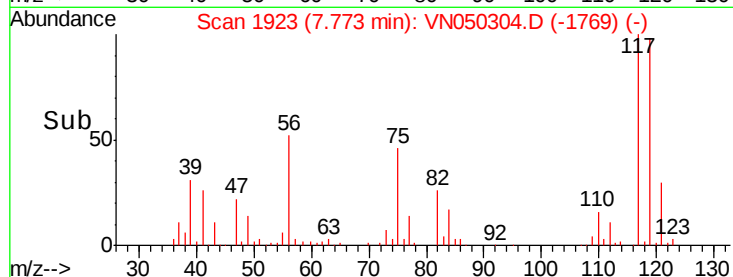
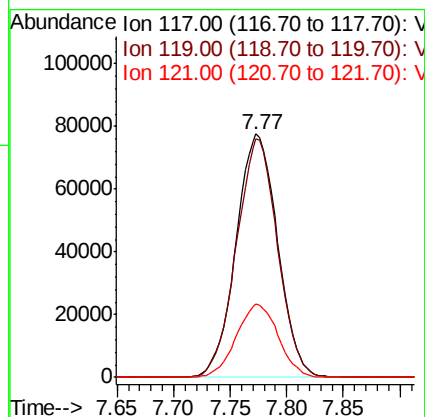
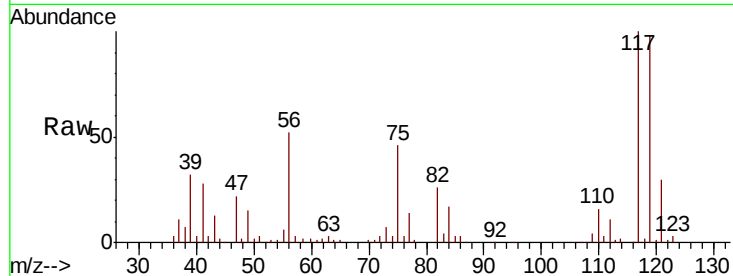
ClientSampleId :

VSTDCCC020

Tot Ion:	117	Resp:	198055
Ion Ratio	Lower	Upper	
117	100		
119	97.8	76.9	115.3
121	30.2	24.4	36.6

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#34

Benzene

Concen: 17.84 ug/l

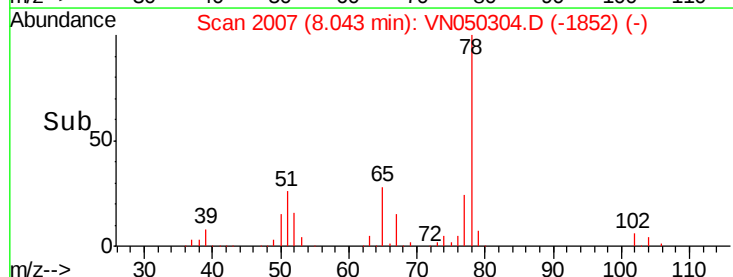
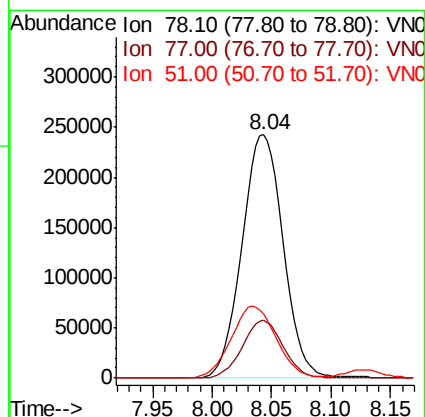
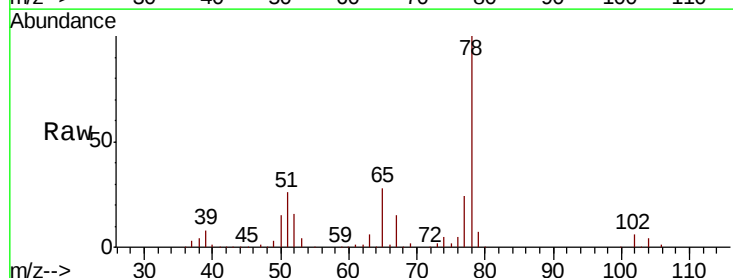
RT: 8.04 min Scan# 2007

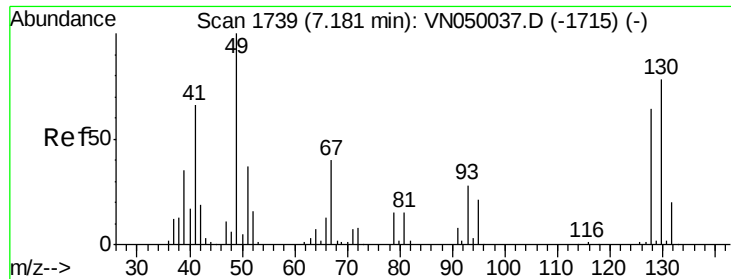
Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Tgt Ion:	78	Resp:	581567
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.1	28.7
51	26.2	21.0	31.4





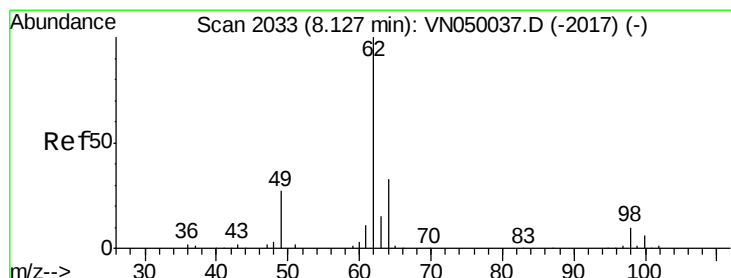
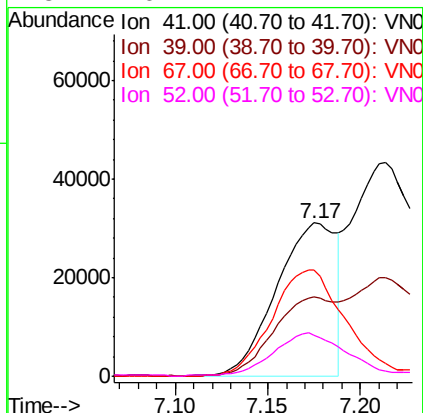
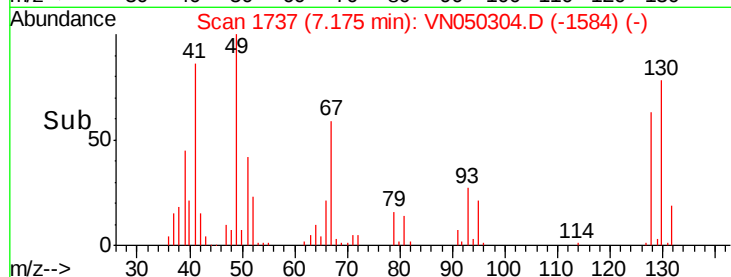
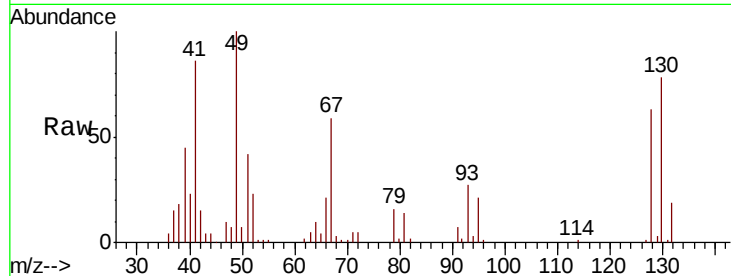
#35
Methacrylonitrile
Concen: 18.23 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	69909
Ion	Ratio	Lower	Upper
41	100		
39	52.1	27.6	82.7
67	69.3	35.1	105.5
52	26.7	14.1	42.4

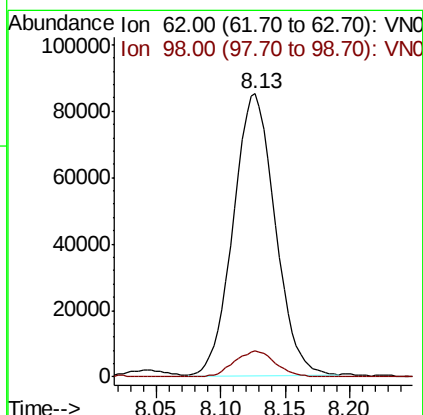
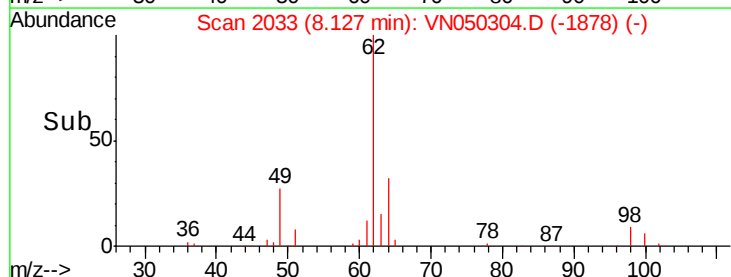
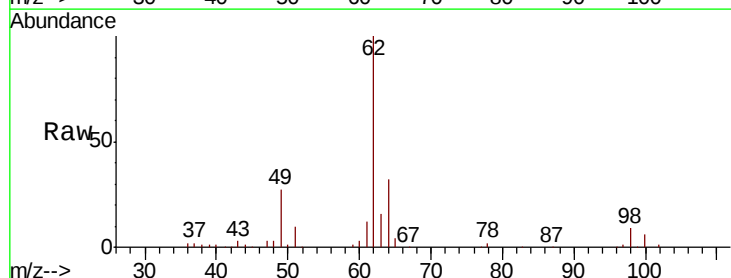
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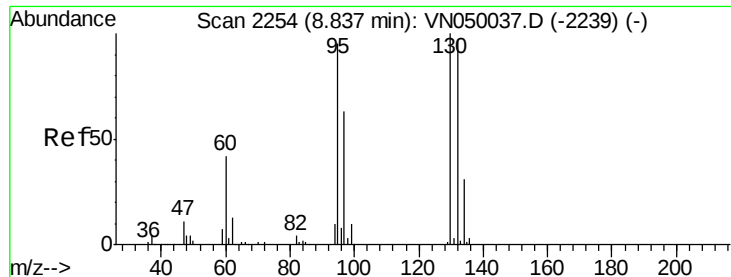
MMDadoda
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#36
1,2-Dichloroethane
Concen: 17.97 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Tgt Ion:	62	Resp:	192253
Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.8	11.6





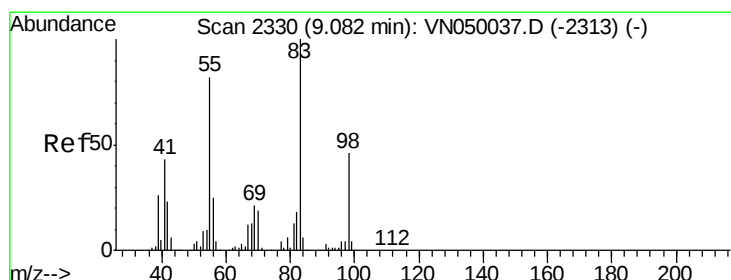
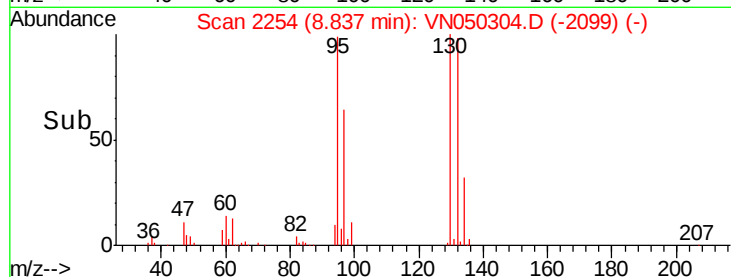
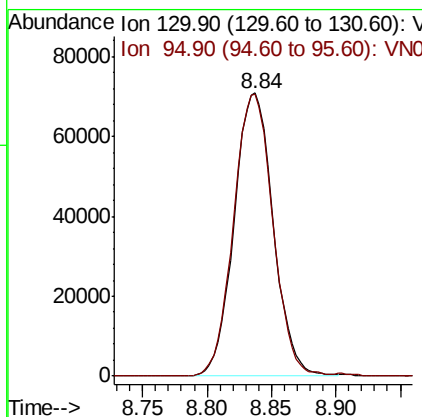
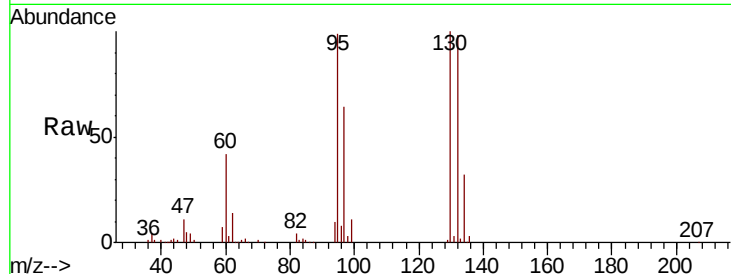
#37
 Trichloroethene
 Concen: 17.52 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
130	100		
95	99.5	79.7	119.5

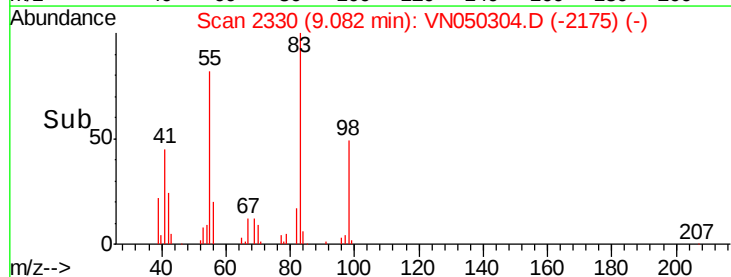
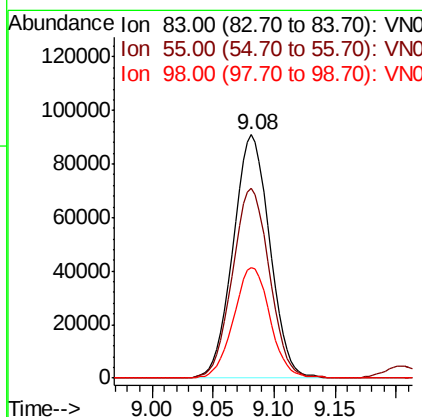
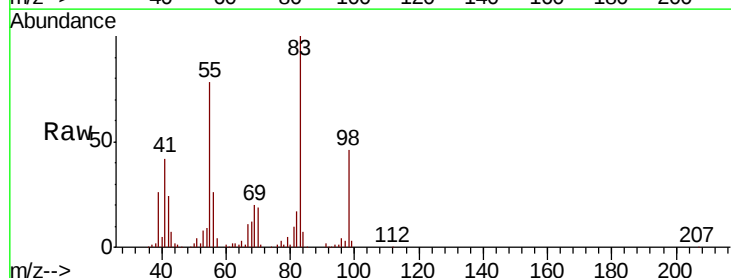
Manual Integrations
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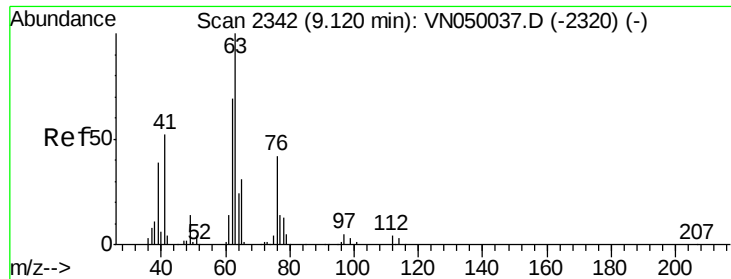
MMDadoda
 8/6/2018 11:37:42 AM



#38
 Methylcyclohexane
 Concen: 16.77 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.7	39.3	117.8
98	45.2	23.0	69.0





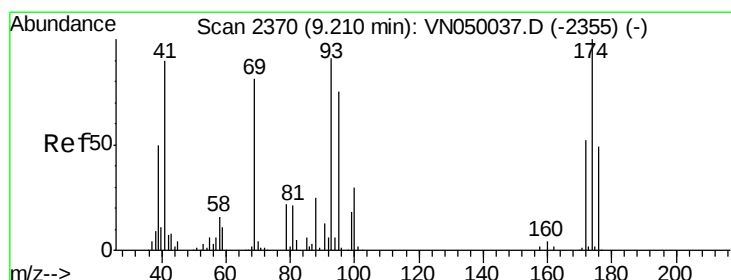
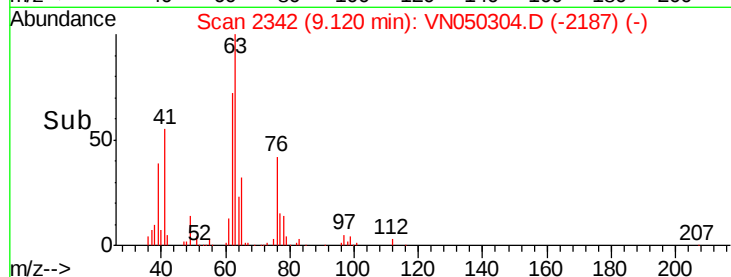
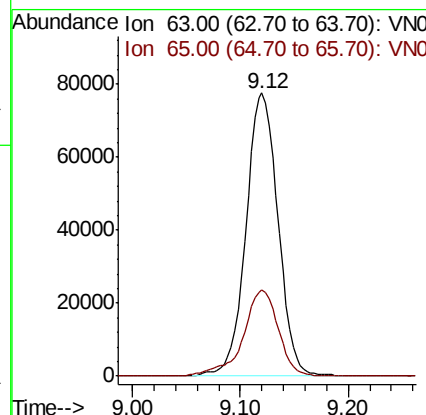
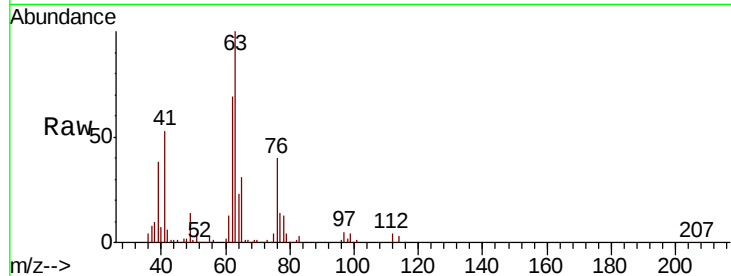
#39
 1,2-Dichloropropane
 Concen: 18.56 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	63	Resp	159369
Ion Ratio	Lower	Upper	
63	100		
65	30.7	24.2	36.2

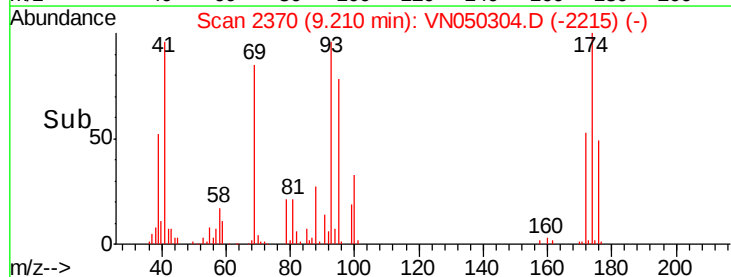
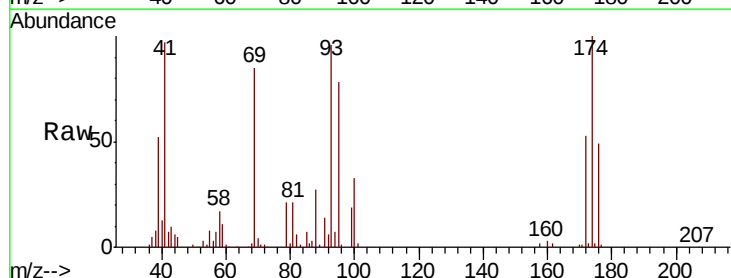
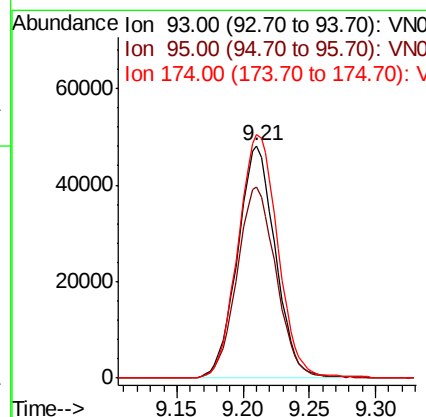
Manual Integrations
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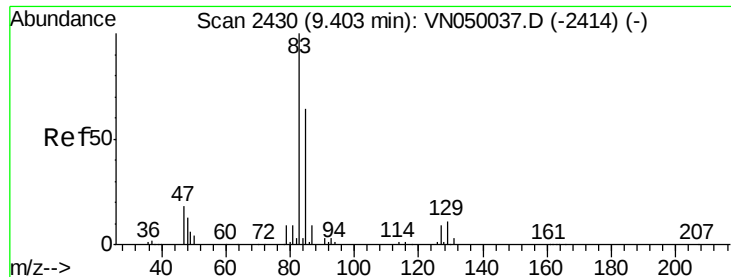
MMDadoda
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#40
 Dibromomethane
 Concen: 18.00 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Tgt Ion	93	Resp	95511
Ion Ratio	Lower	Upper	
93	100		
95	84.8	0.0	165.6
174	110.4	0.0	223.2





#41

Bromodichloromethane

Concen: 18.36 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

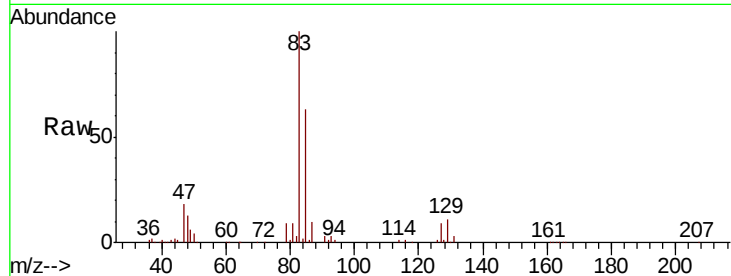
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	205492
Ion Ratio	Lower	Upper	
83	100		
85	63.4	52.6	78.8
127	9.1	7.0	10.4

Manual Integrations
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8/6/2018 11:37:42 AM

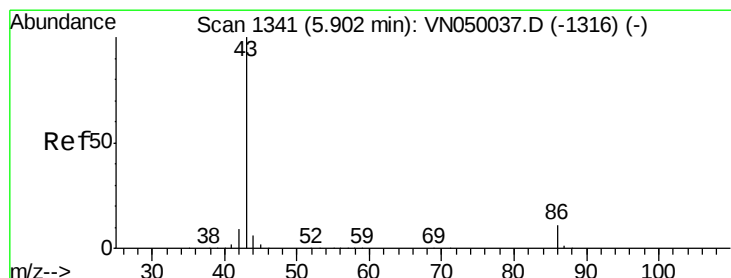
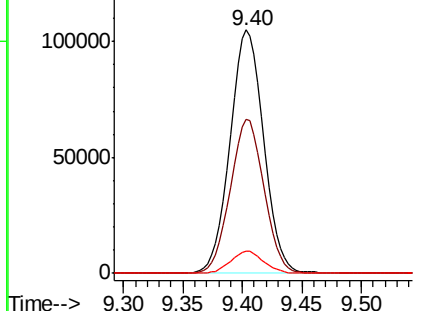
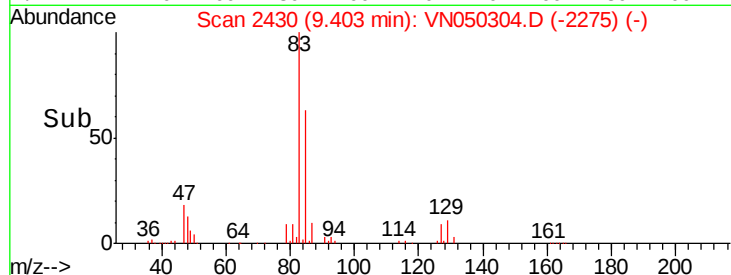


Abundance Ion 83.00 (82.70 to 83.70): VN050037.D (-2414) (-)

Ion 85.00 (84.70 to 85.70): VN050037.D (-2414) (-)

Ion 127.00 (126.70 to 127.70): VN050037.D (-2414) (-)

Time-->



#42

Vinyl Acetate

Concen: 85.91 ug/l

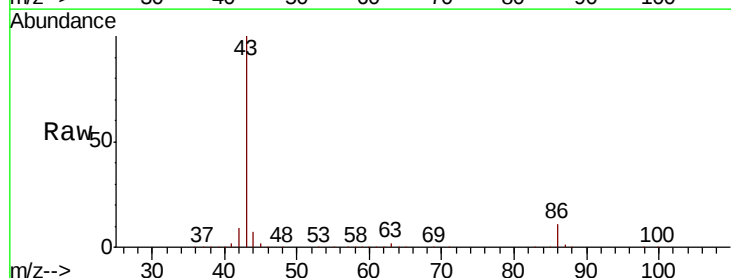
RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

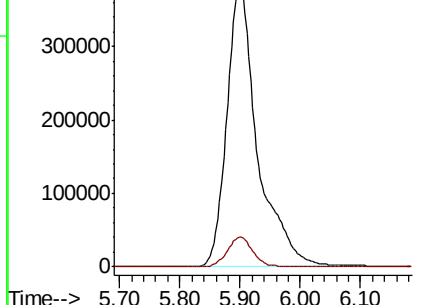
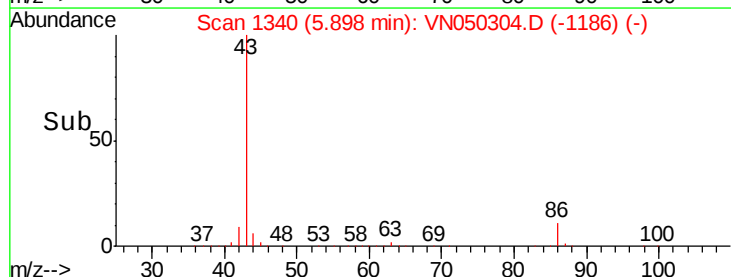
Tgt Ion:	43	Resp:	1361386
Ion Ratio	Lower	Upper	
43	100		
86	8.9	7.3	10.9

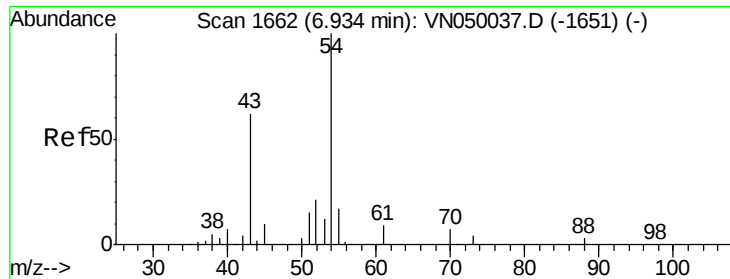


Abundance Ion 43.00 (42.70 to 43.70): VN050037.D (-1316) (-)

Ion 86.00 (85.70 to 86.70): VN050037.D (-1316) (-)

Time-->





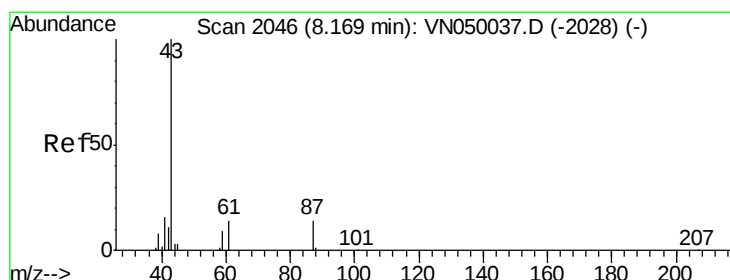
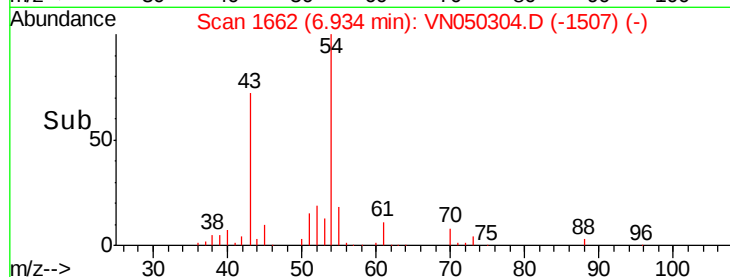
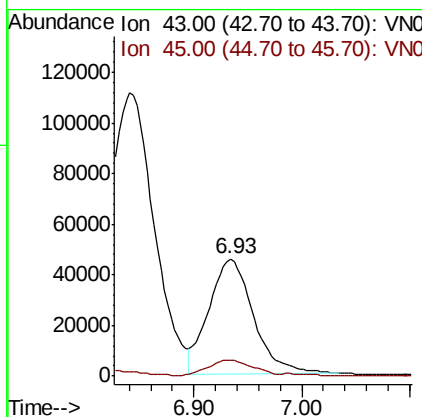
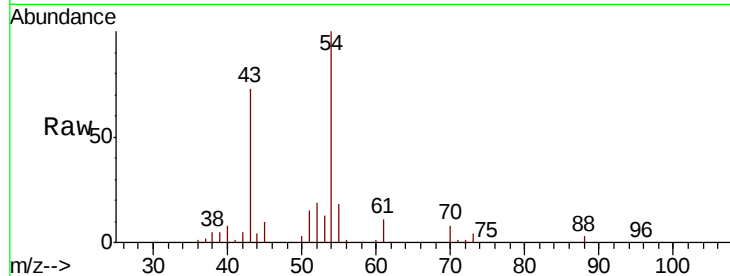
#43
Ethyl Acetate
Concen: 18.50 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 43 Resp: 130097
Ion Ratio Lower Upper
43 100
45 12.6 13.0 19.6#

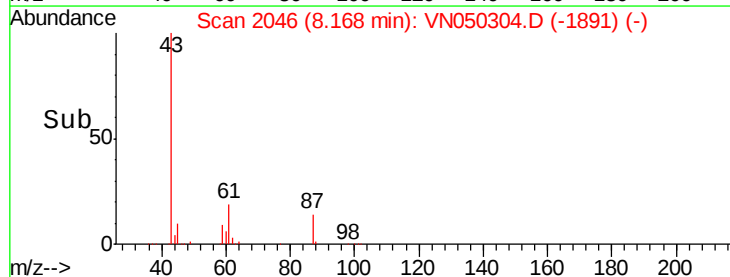
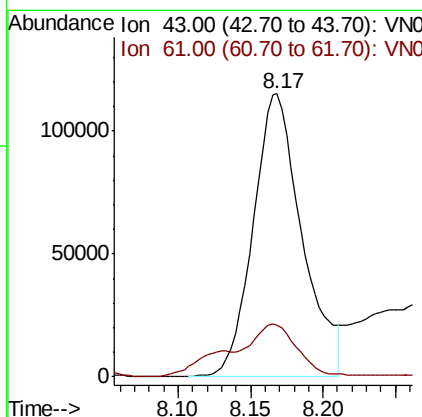
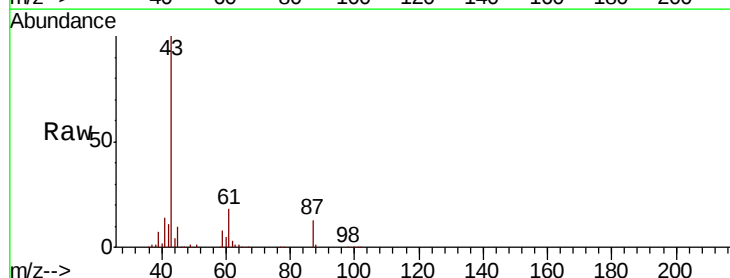
Manual Integrations
APPROVED

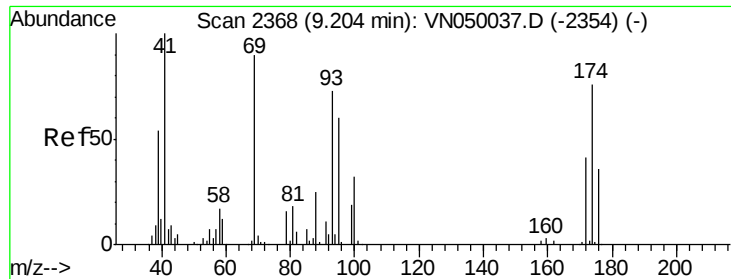
MMDadoda
8/6/2018 11:37:42 AM



#44
Isopropyl Acetate
Concen: 20.58 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Tgt Ion: 43 Resp: 268107
Ion Ratio Lower Upper
43 100
61 15.9 16.4 24.6#





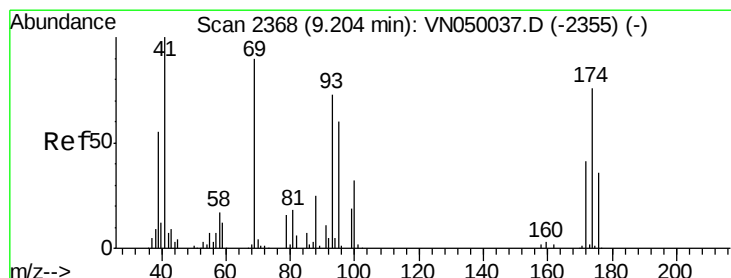
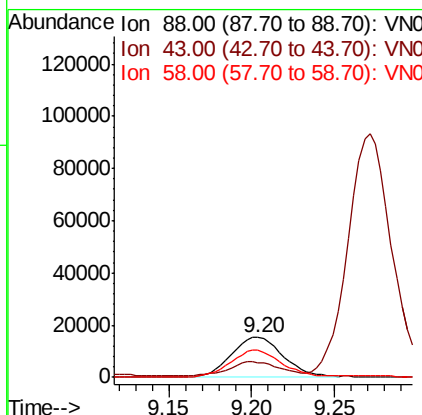
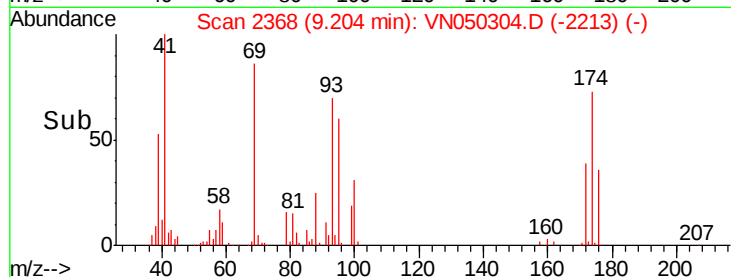
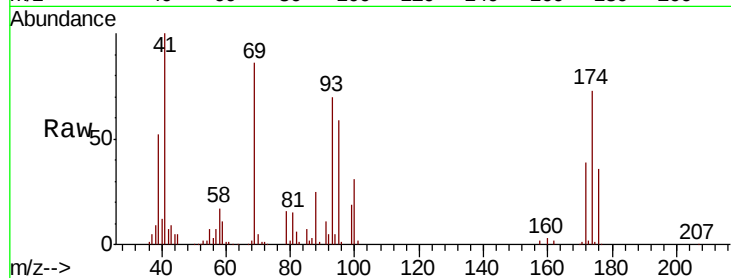
#45
 1,4-Dioxane
 Concen: 390.36 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	26.9	40.3
58	67.2	53.6	80.4

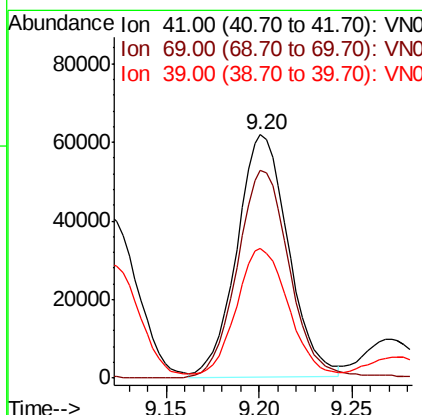
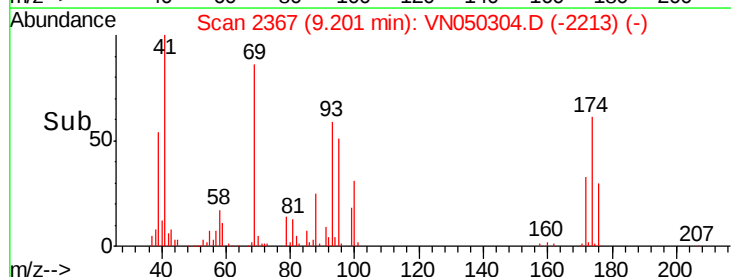
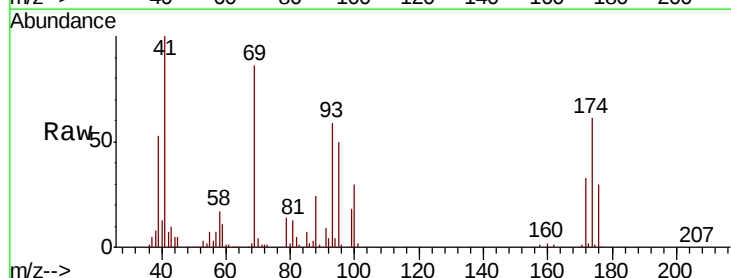
Manual Integrations
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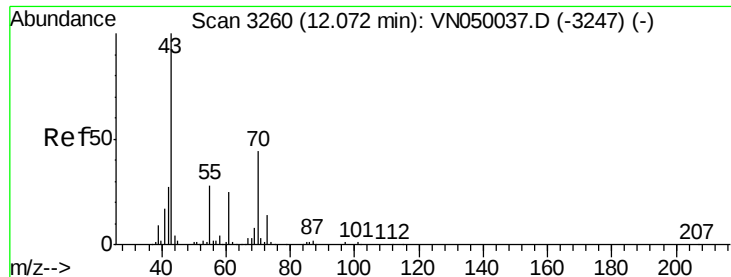
MMDadoda
 8/6/2018 11:37:42 AM



#46
 Methyl methacrylate
 Concen: 18.82 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.5	44.0	132.1
39	52.8	27.0	80.8





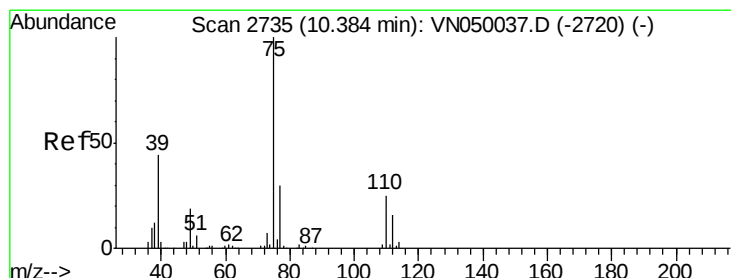
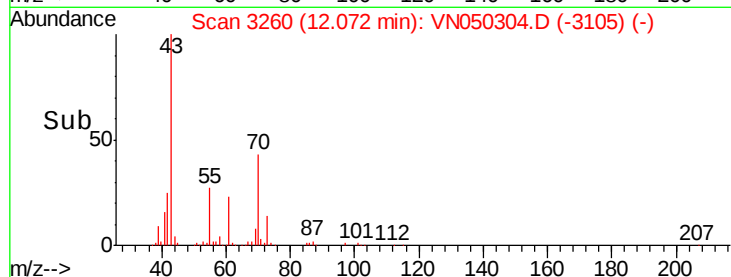
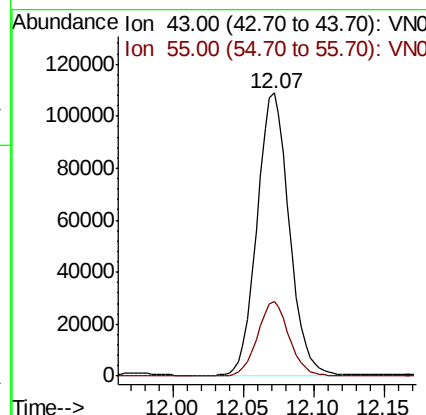
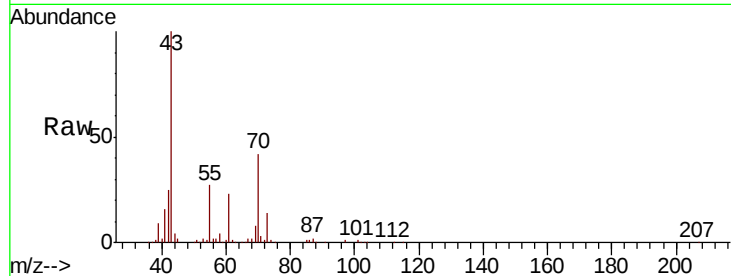
#47
n-amyl Acetate
Concen: 17.15 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	43	Resp	173825
Ion Ratio	100	Lower	Upper
43	100		
55	26.1	21.0	31.4

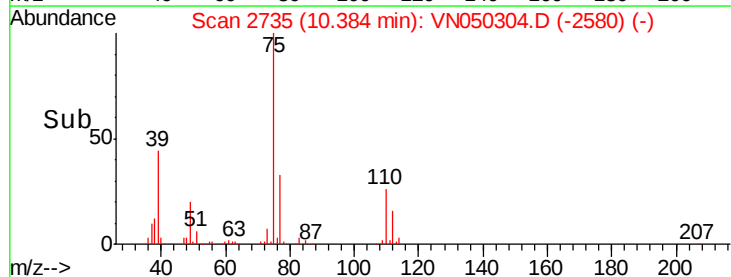
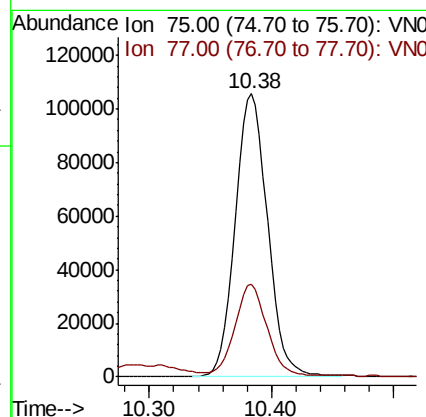
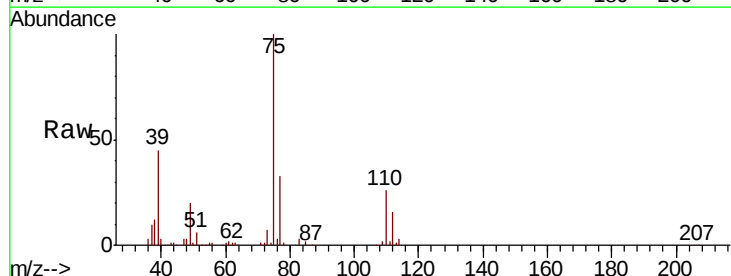
Manual Integrations
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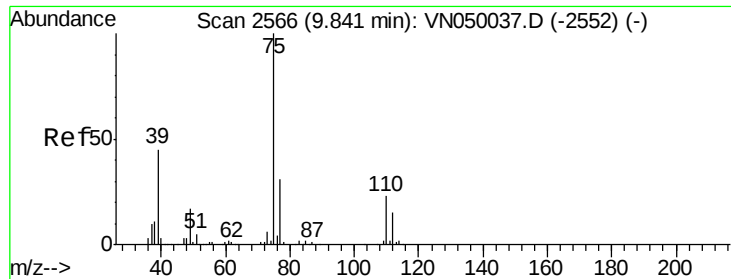
MMDadoda
8/6/2018 11:37:42 AM



#48
t-1,3-Dichloropropene
Concen: 18.28 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Tgt Ion	75	Resp	195052
Ion Ratio	100	Lower	Upper
75	100		
77	32.3	24.6	37.0





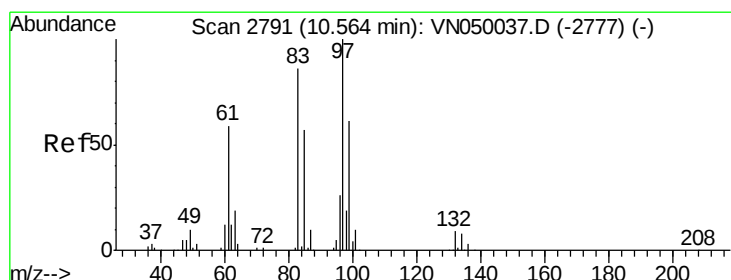
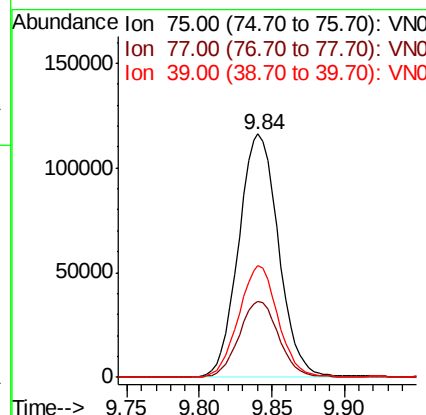
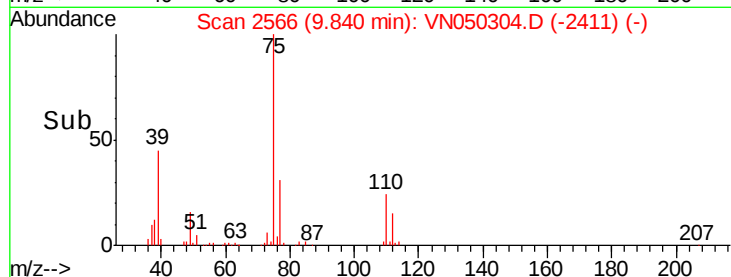
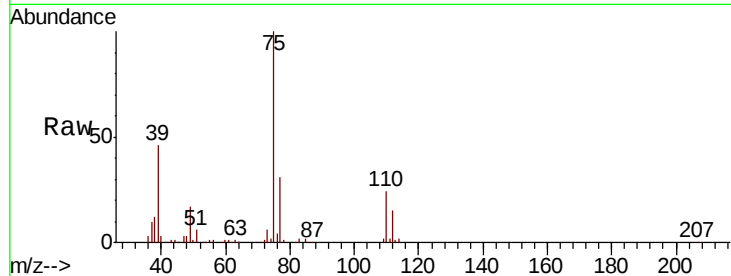
#49
 cis-1,3-Dichloropropene
 Concen: 17.73 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5
39	45.8	36.3	54.5

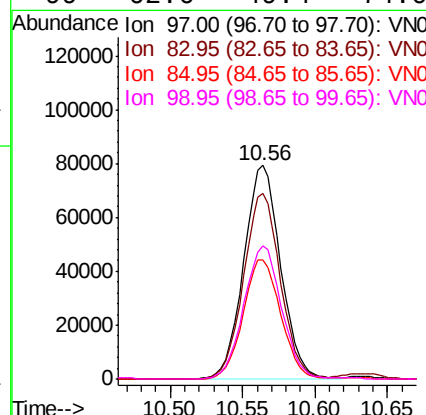
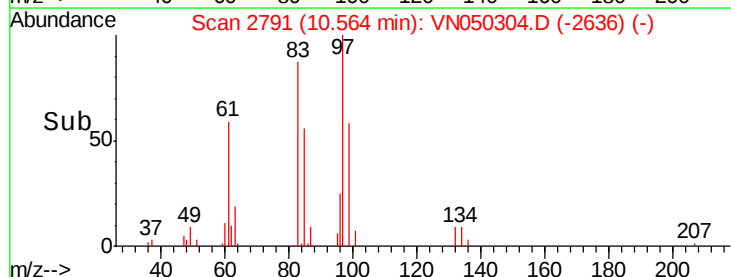
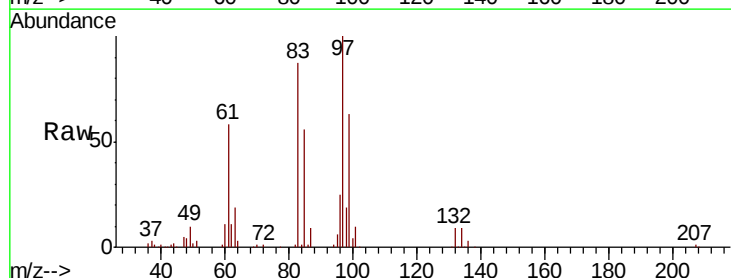
Manual Integrations
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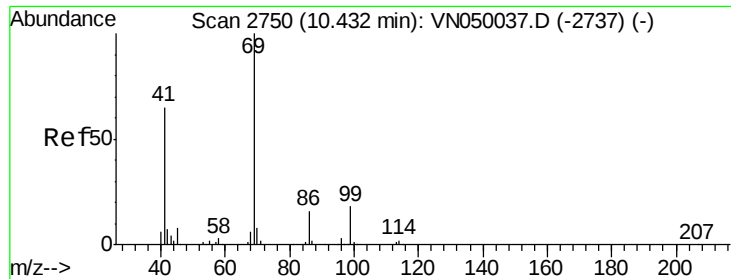
MMDadoda
 8/6/2018 11:37:42 AM



#50
 1,1,2-Trichloroethane
 Concen: 18.45 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.1	102.1
85	55.7	45.4	68.2
99	62.6	49.4	74.0





#51

Ethyl methacrylate

Concen: 17.88 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

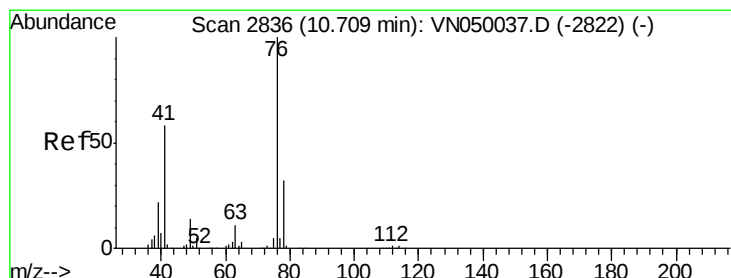
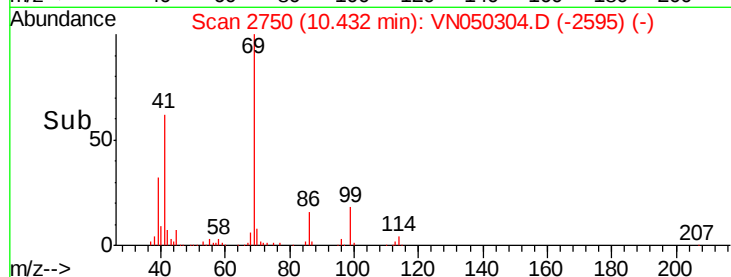
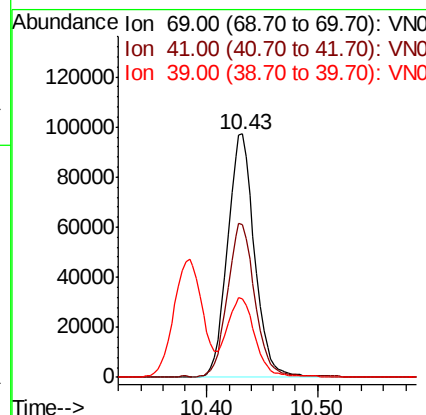
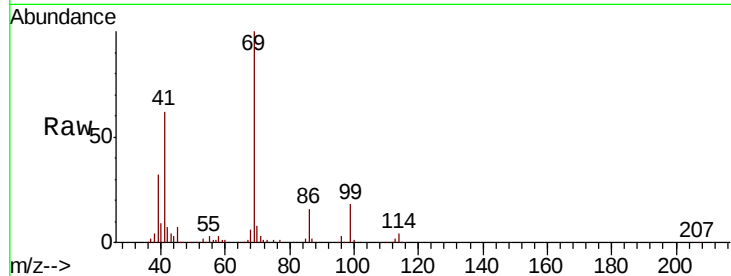
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	165287
Ion	Ratio	Lower	Upper
69	100		
41	62.1	31.9	95.9
39	32.1	16.7	50.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.33 ug/l

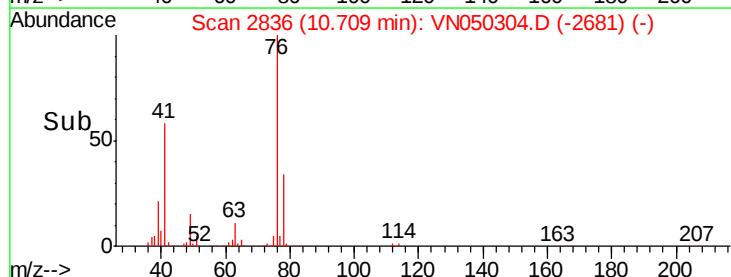
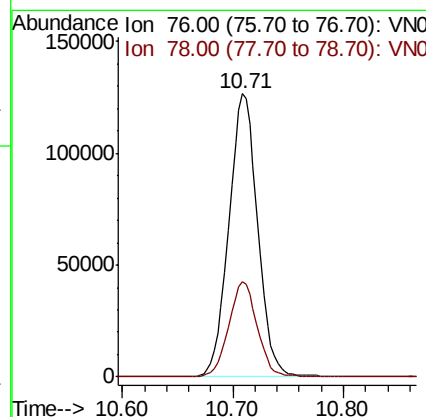
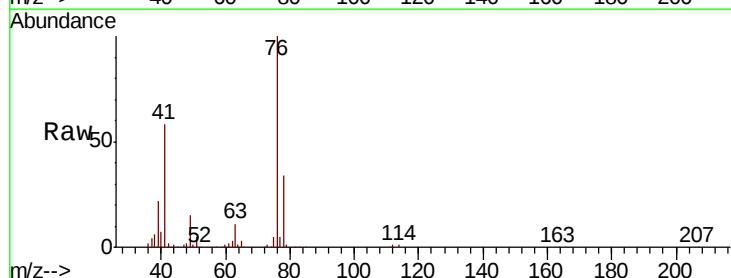
RT: 10.71 min Scan# 2836

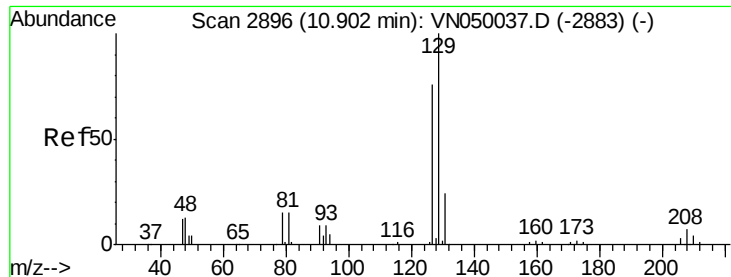
Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Tgt Ion:	76	Resp:	229314
Ion	Ratio	Lower	Upper
76	100		
78	33.2	0.0	65.6





#53

Dibromochloromethane

Concen: 17.90 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 154702

Ion Ratio Lower Upper

129 100

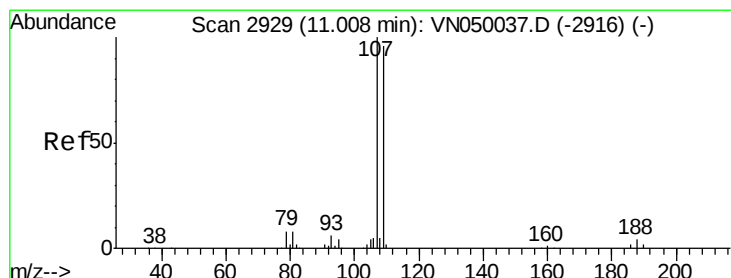
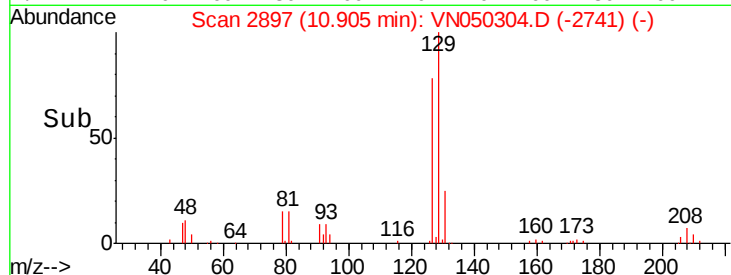
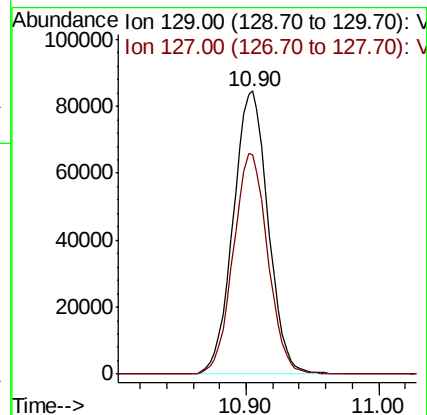
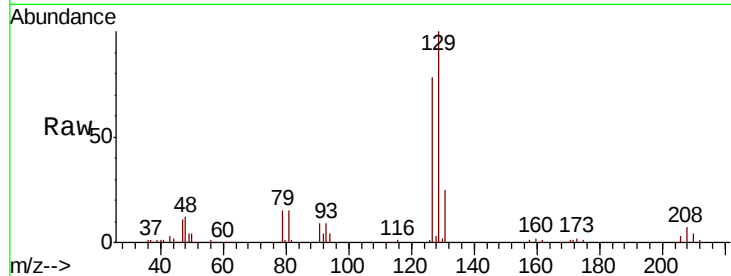
127 76.9 38.1 114.5

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 18.07 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050304.D

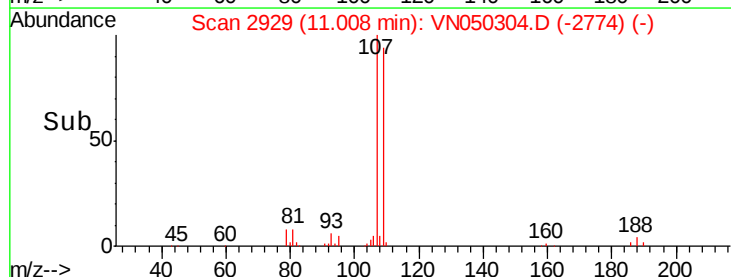
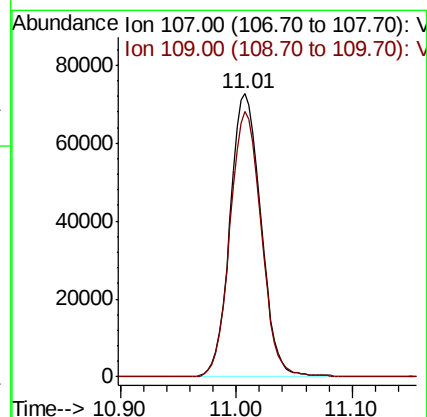
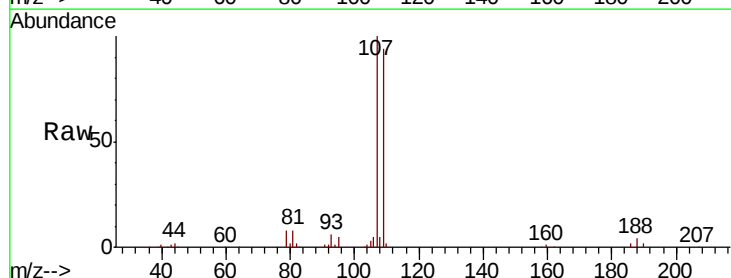
Acq: 3 Aug 2018 10:29

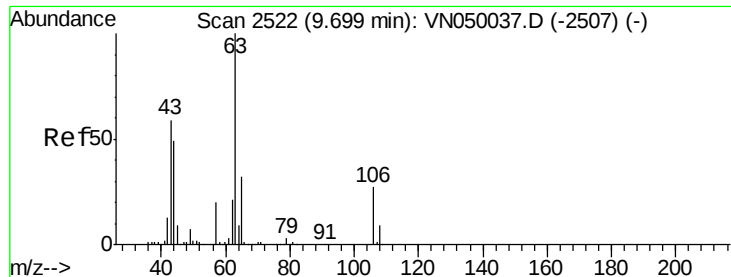
Tgt Ion:107 Resp: 134801

Ion Ratio Lower Upper

107 100

109 94.4 76.2 114.2





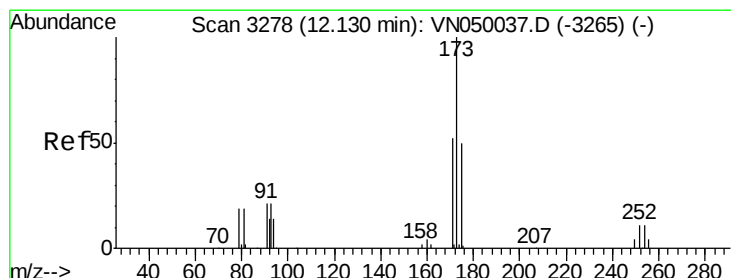
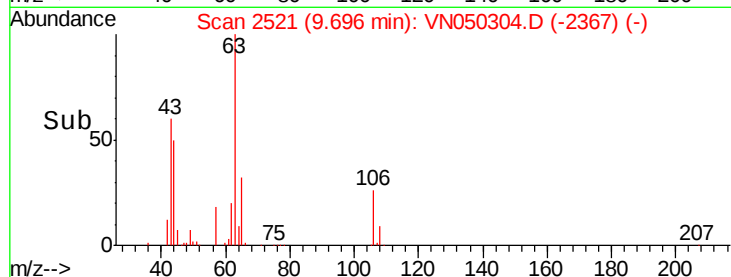
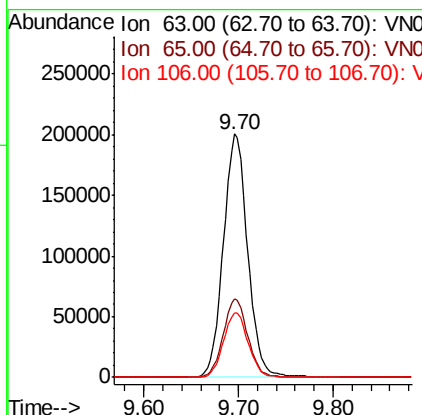
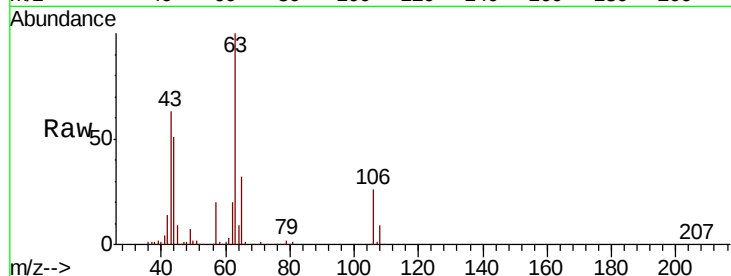
#55
2-Chloroethyl vinyl ether
Concen: 85.76 ug/l
RT: 9.70 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.5	38.3
106	27.0	21.8	32.6

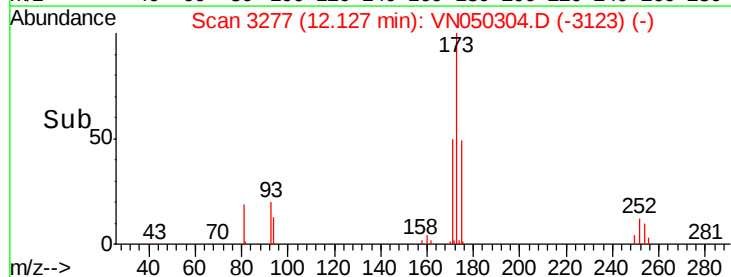
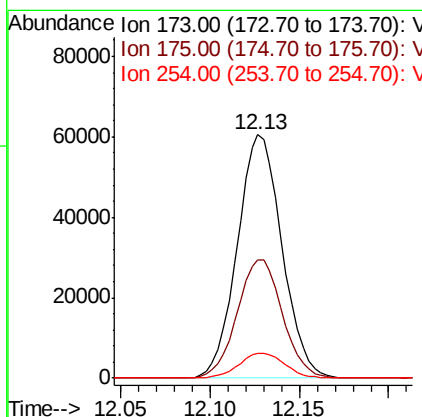
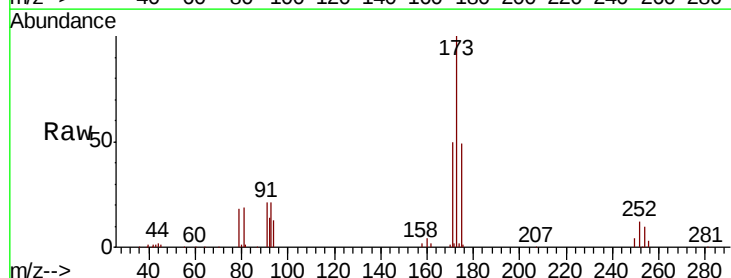
Manual Integrations
APPROVED

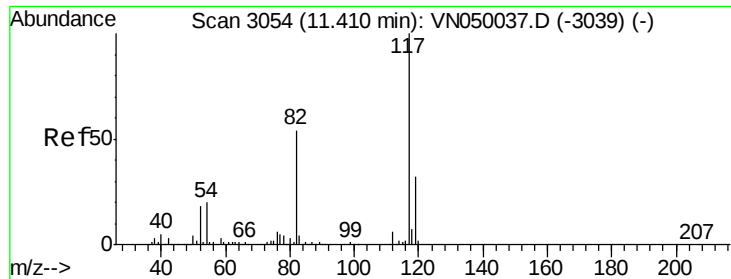
MMDadoda
8/6/2018 11:37:42 AM



#56
Bromoform
Concen: 17.27 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	38.6	57.8
254	10.6	8.8	13.2





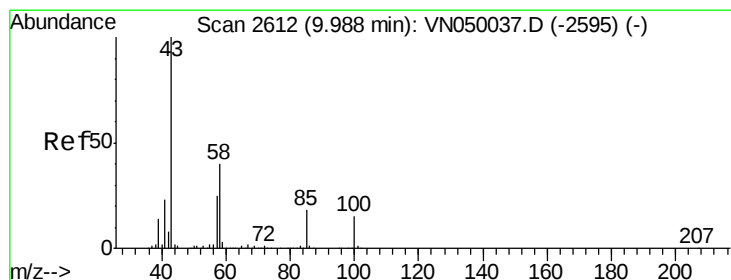
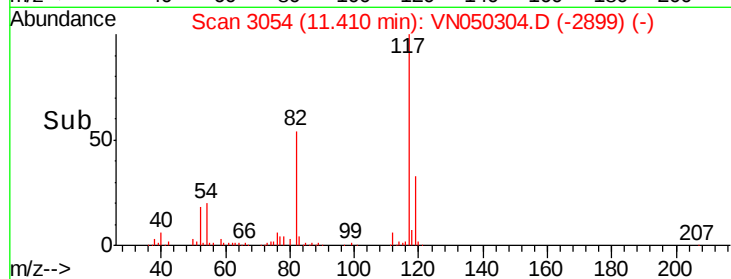
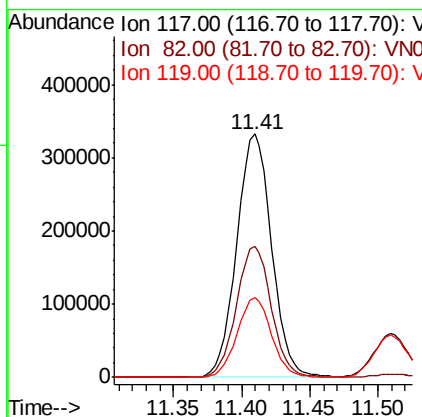
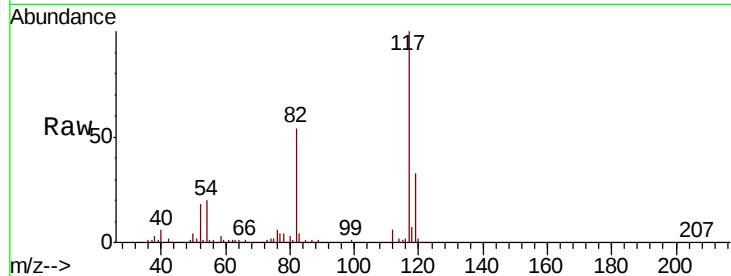
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	590778		
82	54.1		42.4	63.6
119	32.5		25.4	38.0

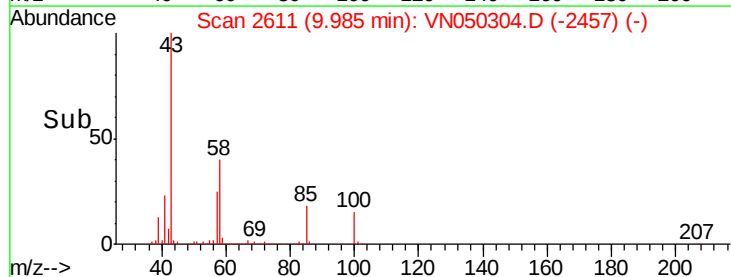
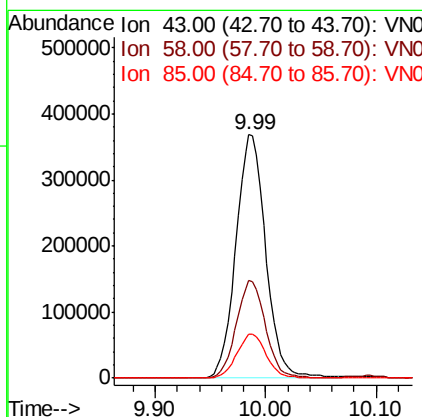
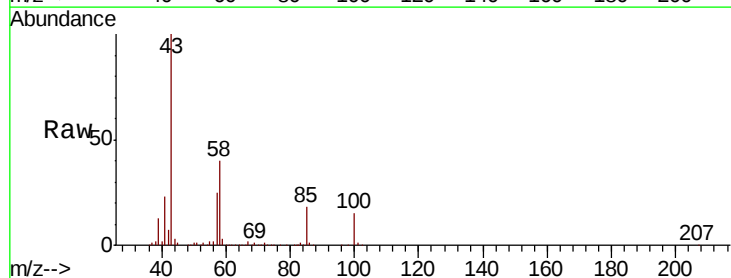
Manual Integrations
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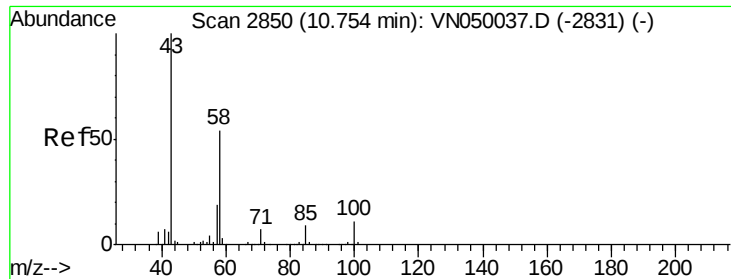
MMDadoda
8/6/2018 11:37:42 AM



#58
4-Methyl-2-Pentanone
Concen: 99.81 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	686101		
58	39.6		31.2	46.8
85	18.0		14.4	21.6





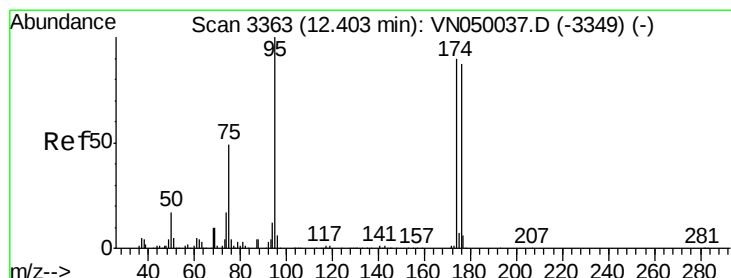
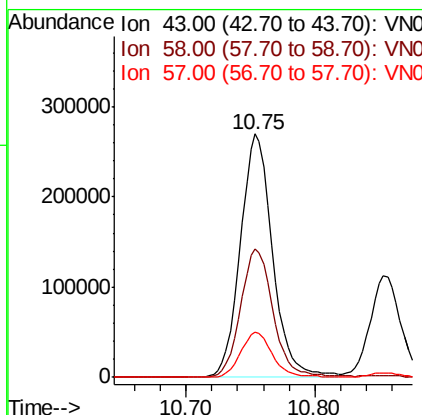
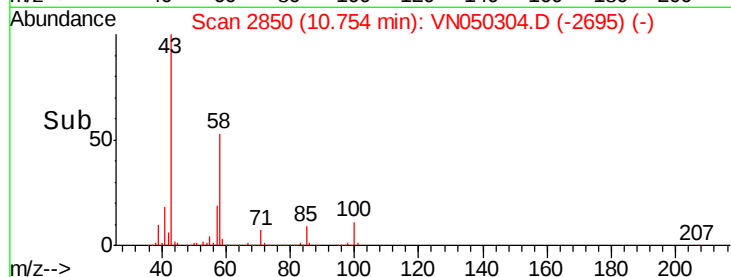
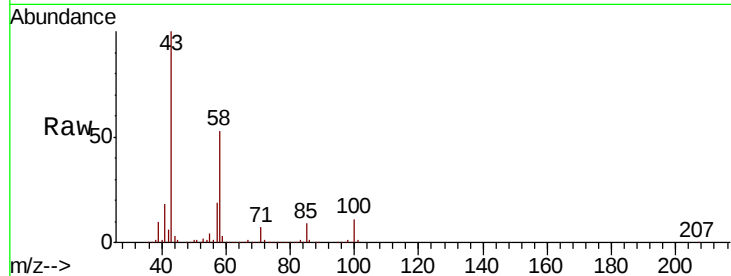
#59
2-Hexanone
Concen: 99.47 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.9	43.8	65.8
57	18.6	15.1	22.7

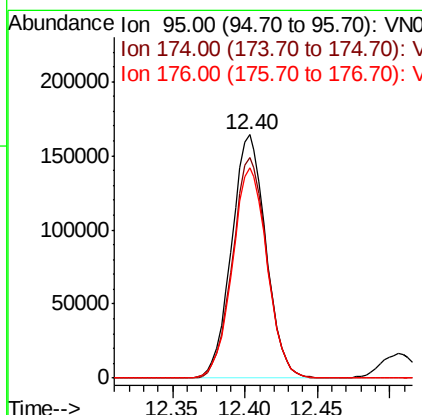
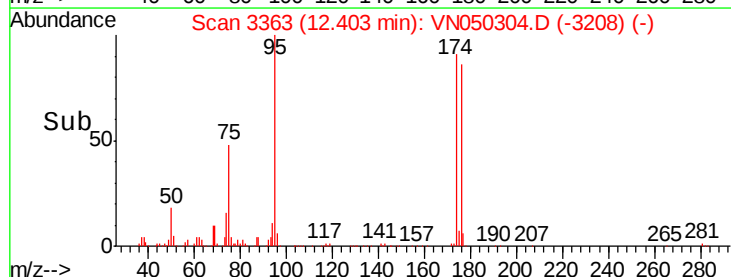
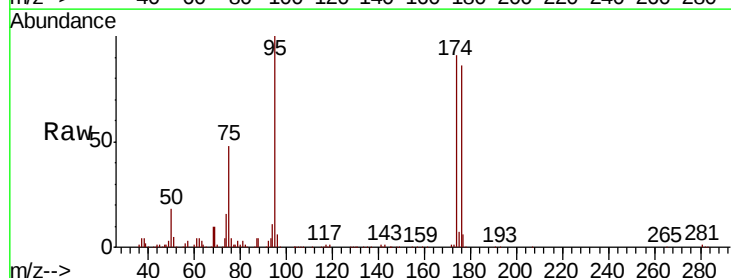
Manual Integrations
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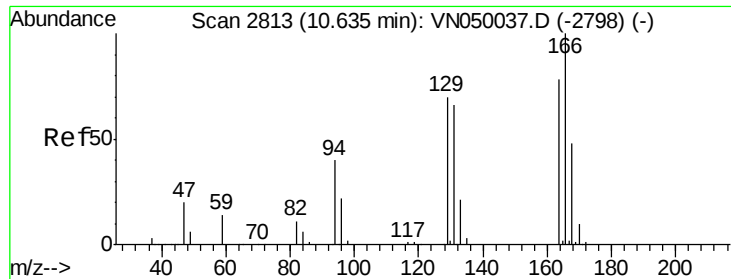
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.74 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.8	72.3	108.5
176	87.2	70.0	105.0





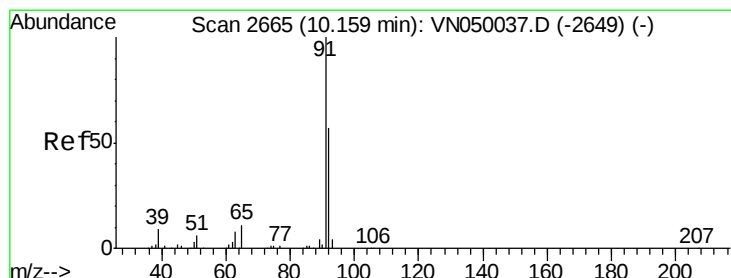
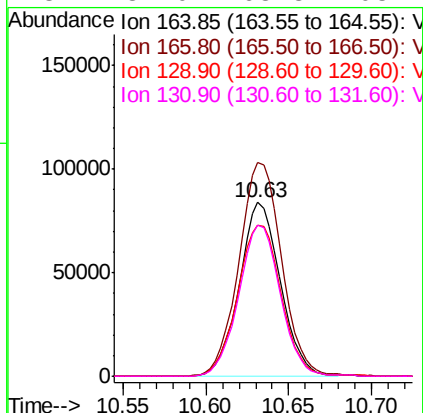
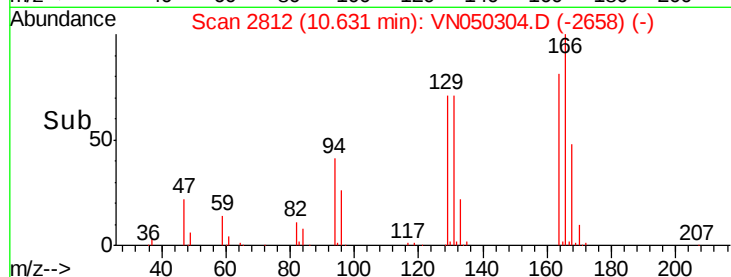
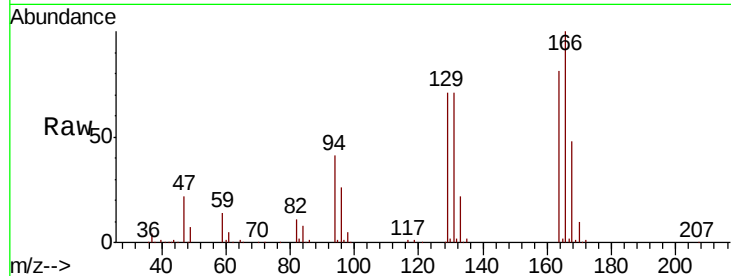
#61
Tetrachloroethene
Concen: 18.10 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	122.9	144867	100.0	150.0
129	87.1		69.3	103.9
131	87.0		68.8	103.2

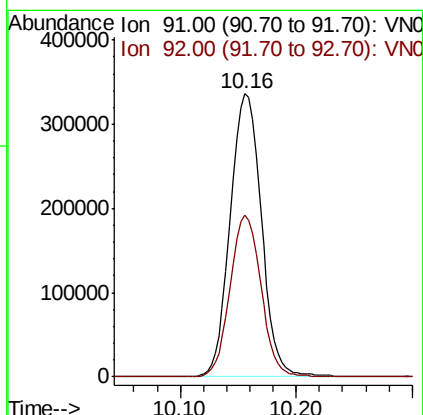
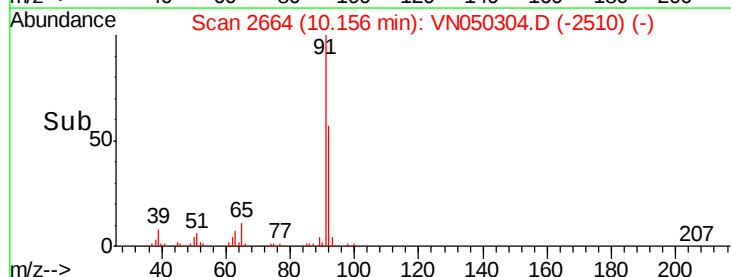
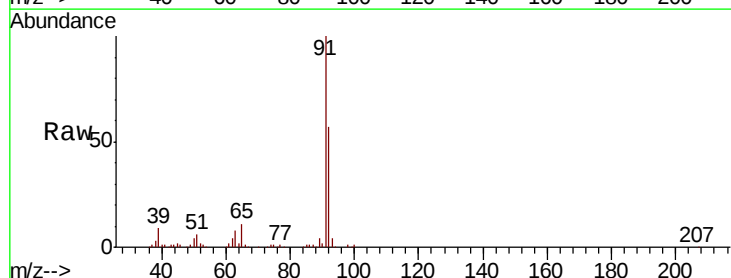
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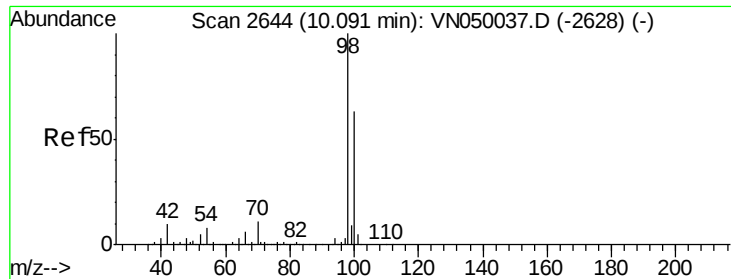
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#62
Toluene
Concen: 18.63 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	628110		
92	56.5		45.7	68.5





#63

Toluene-d8

Concen: 30.30 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 98 Resp: 855133

Ion Ratio Lower Upper

98 100

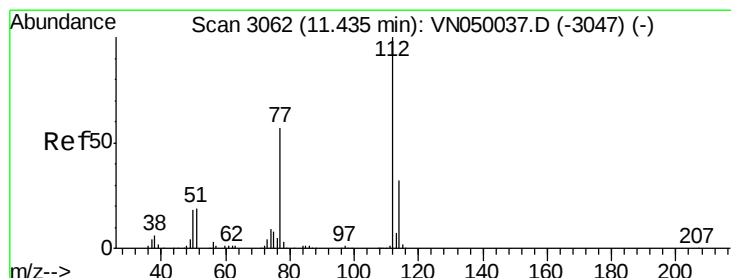
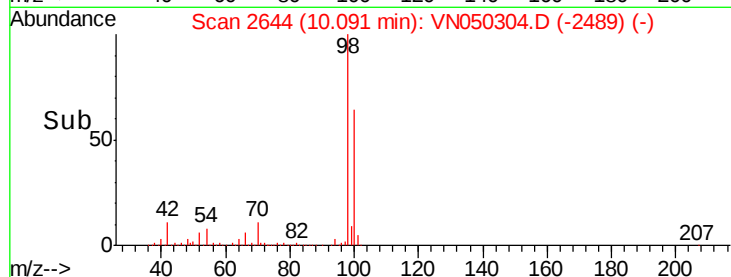
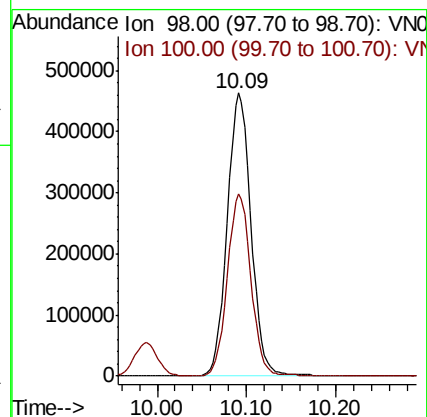
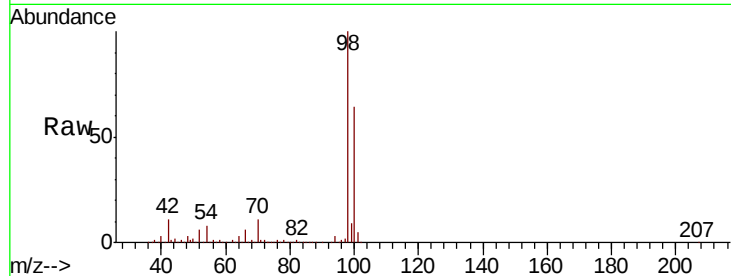
100 63.4 51.2 76.8

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#64

Chlorobenzene

Concen: 18.83 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050304.D

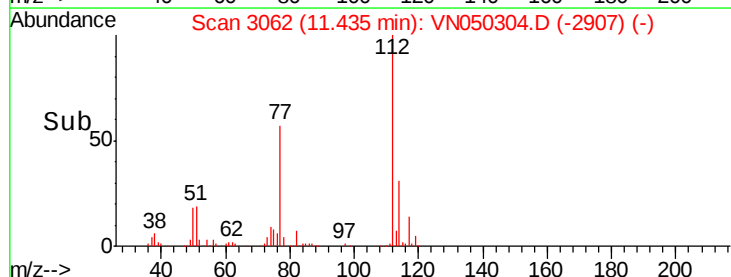
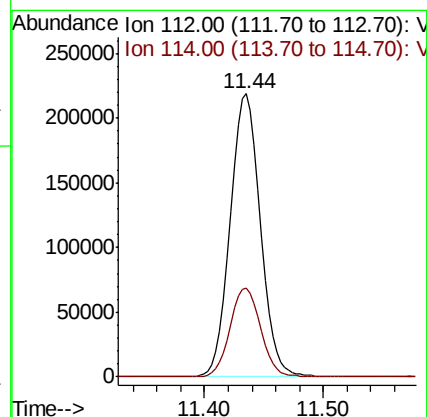
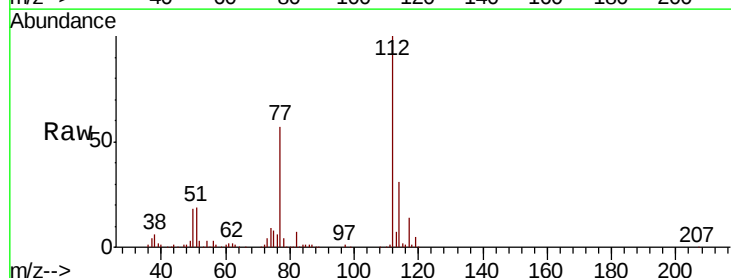
Acq: 3 Aug 2018 10:29

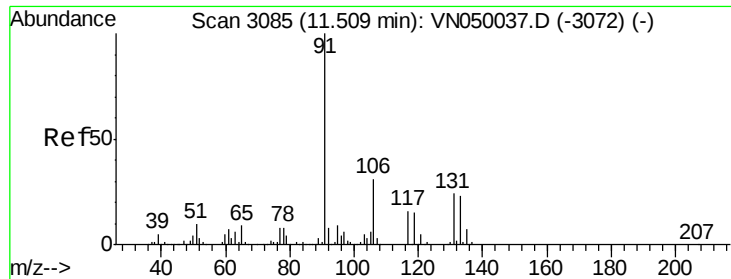
Tgt Ion: 112 Resp: 384968

Ion Ratio Lower Upper

112 100

114 31.5 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.12 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

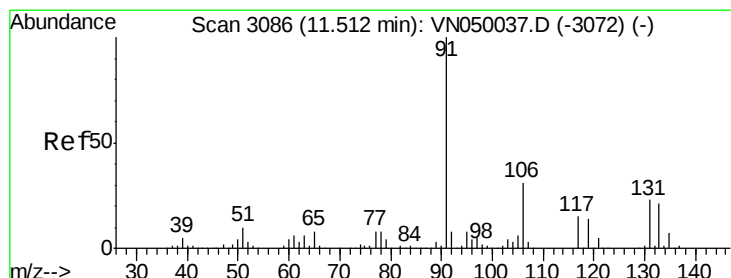
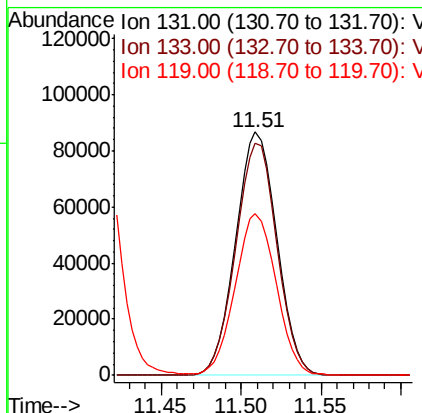
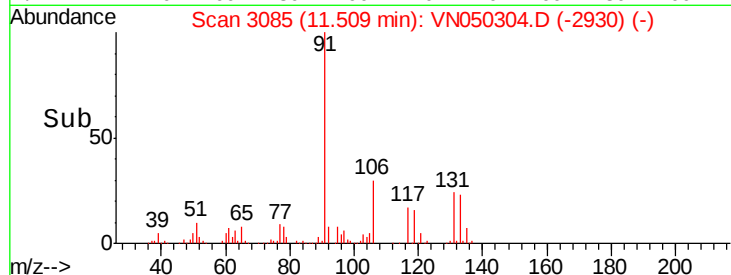
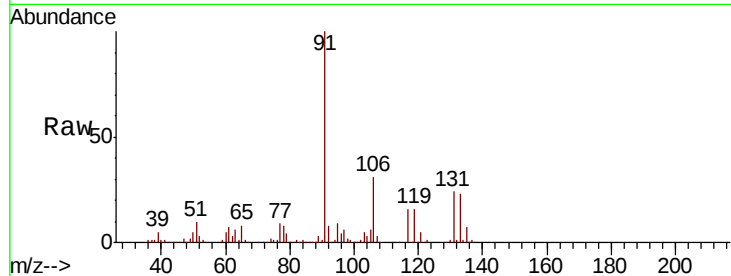
ClientSampled :

VSTDCCC020

Tot Ion:	131	Resp:	152401
Ion Ratio	Lower	Upper	
131	100		
133	95.7	0.0	190.0
119	66.4	0.0	131.6

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#66

Ethyl Benzene

Concen: 18.42 ug/l

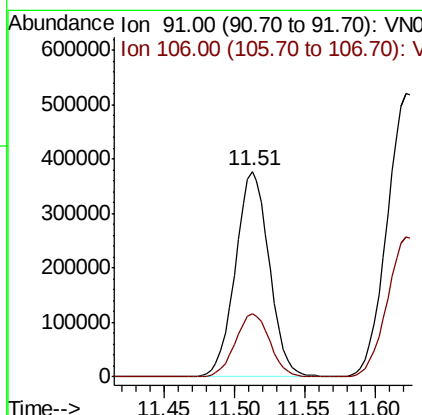
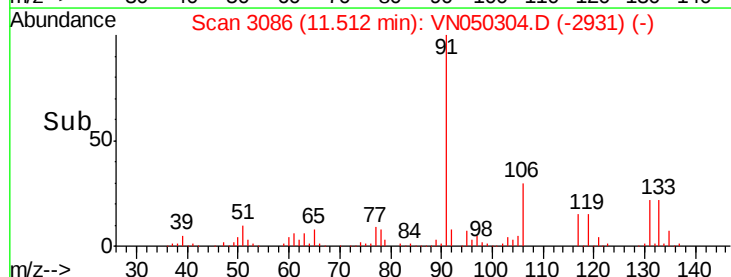
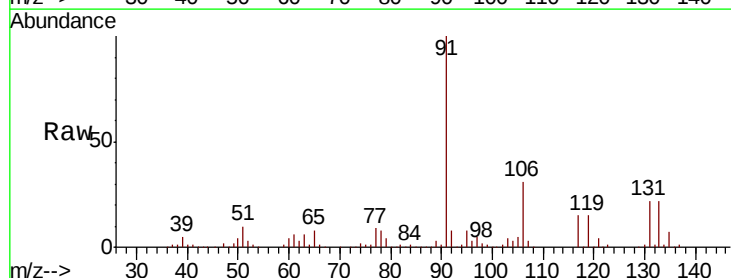
RT: 11.51 min Scan# 3086

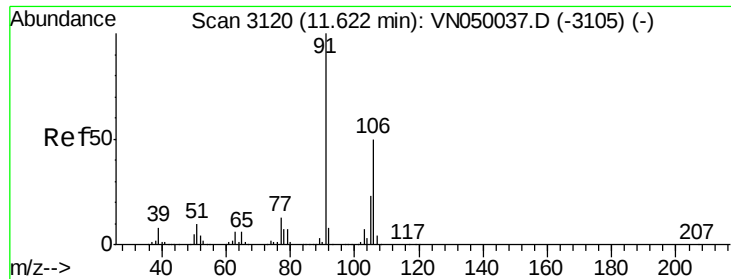
Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Tgt Ion:	91	Resp:	634623
Ion Ratio	Lower	Upper	
91	100		
106	30.7	25.1	37.7





#67

m/p-Xvlenes

Concen: 37.50 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion:106 Resp: 497071

Ion Ratio Lower Upper

106 100

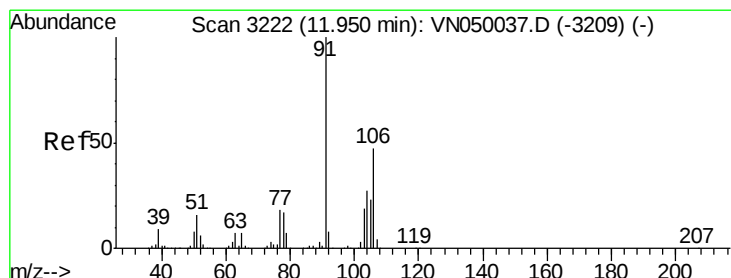
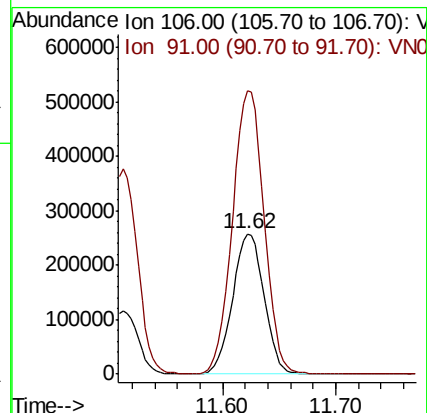
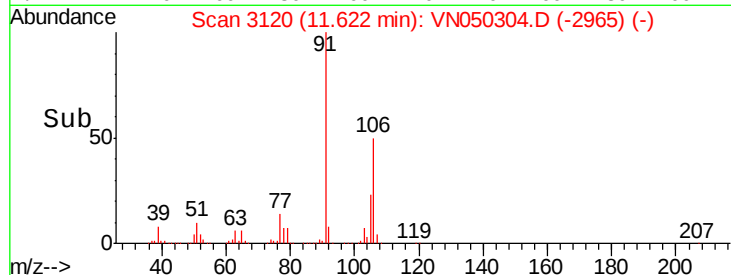
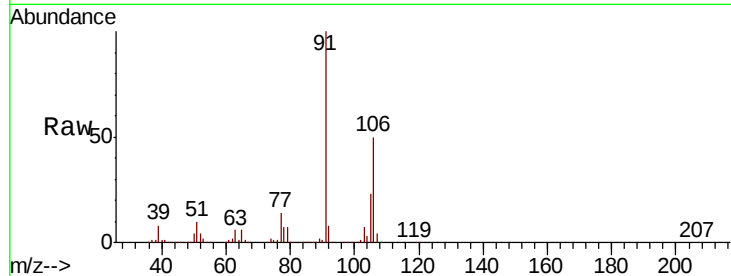
91 203.2 162.5 243.7

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#68

o-Xylene

Concen: 18.86 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050304.D

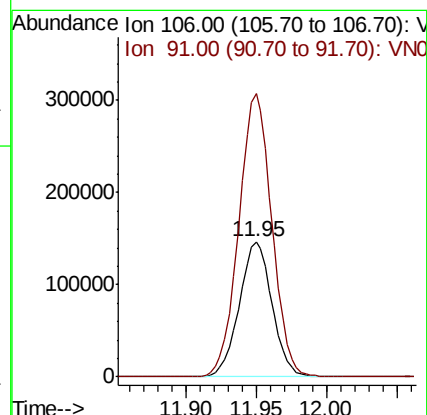
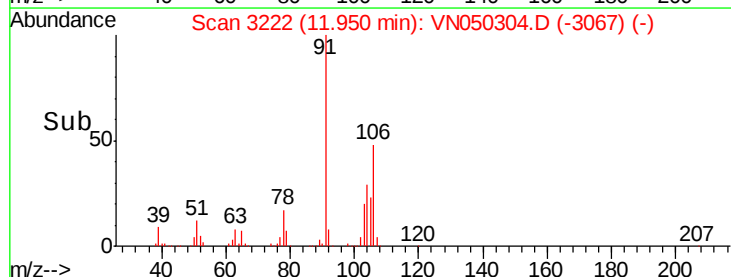
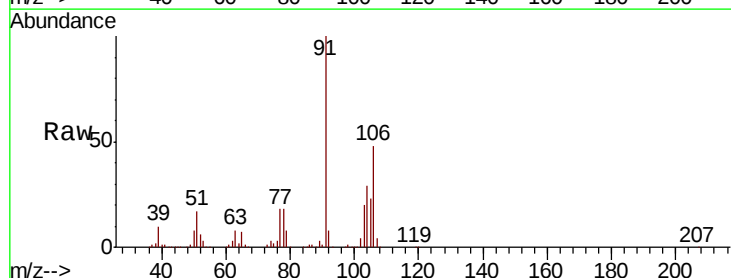
Acq: 3 Aug 2018 10:29

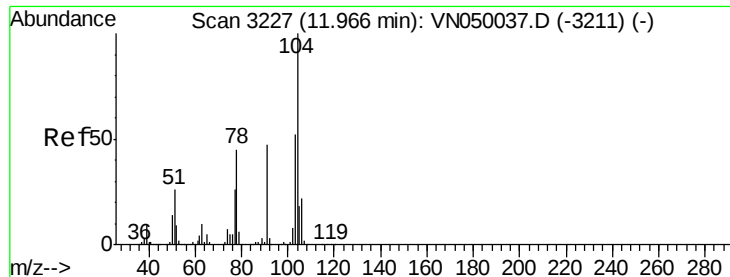
Tgt Ion:106 Resp: 237853

Ion Ratio Lower Upper

106 100

91 212.3 106.8 320.4





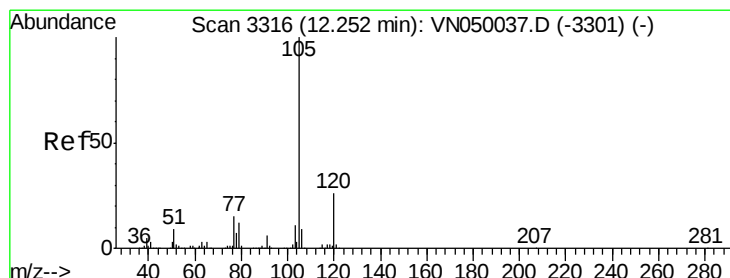
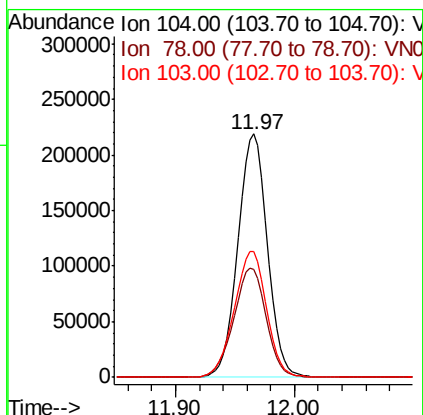
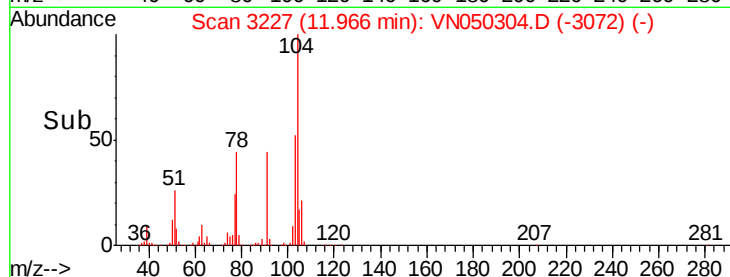
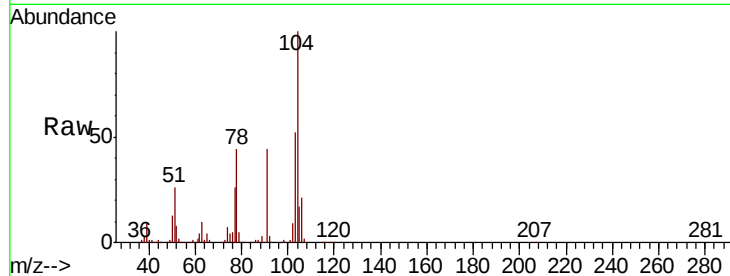
#69
Stvrene
Concen: 18.66 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.3	58.9
103	56.5	44.5	66.7

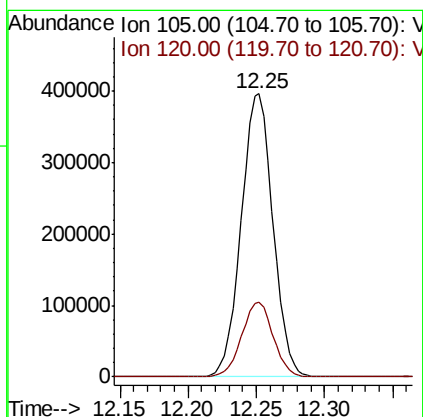
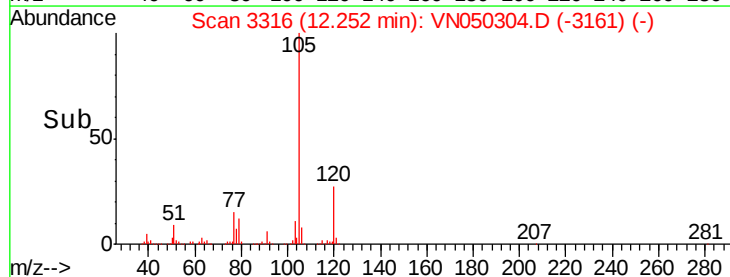
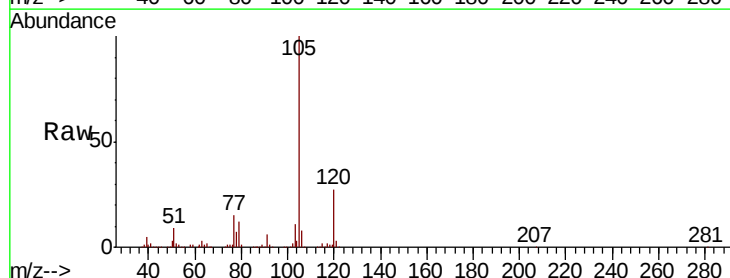
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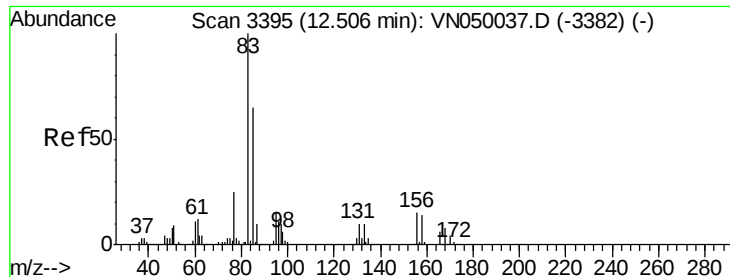
MMDadoda
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#70
Isopropylbenzene
Concen: 19.00 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.9	35.1





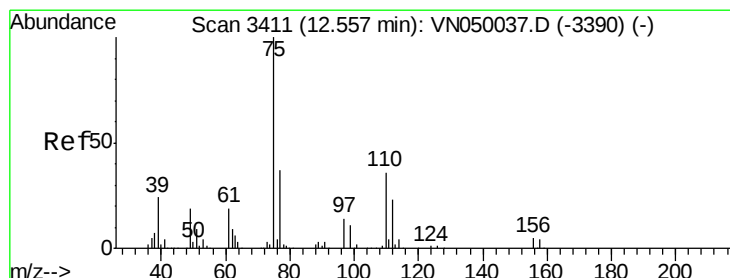
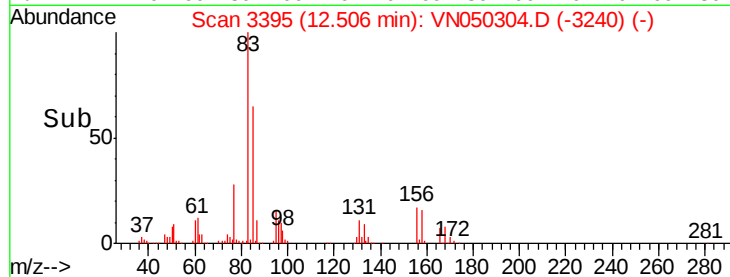
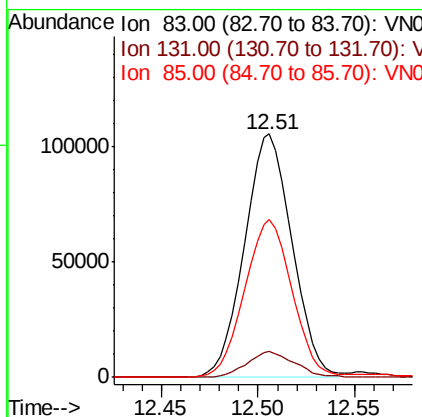
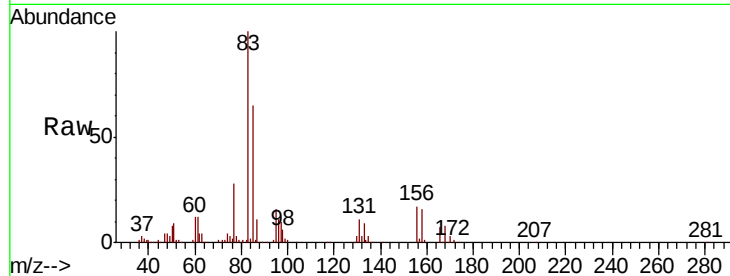
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.54 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.8	5.2	15.6	
85	64.4	31.7	95.1	

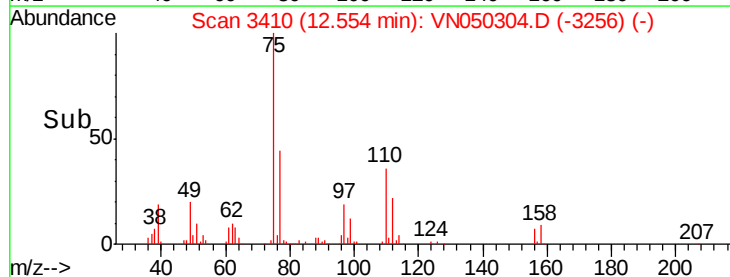
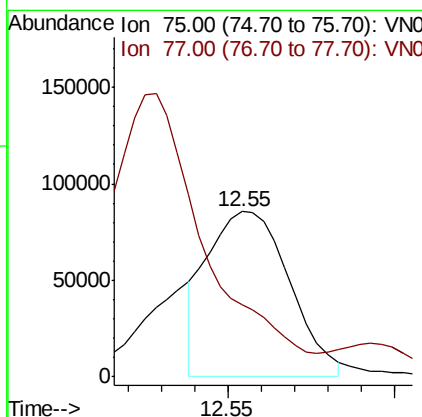
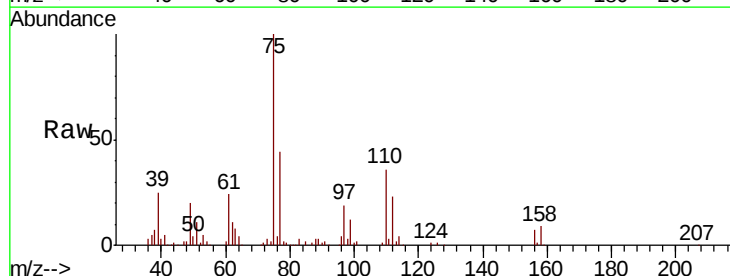
Manual Integrations
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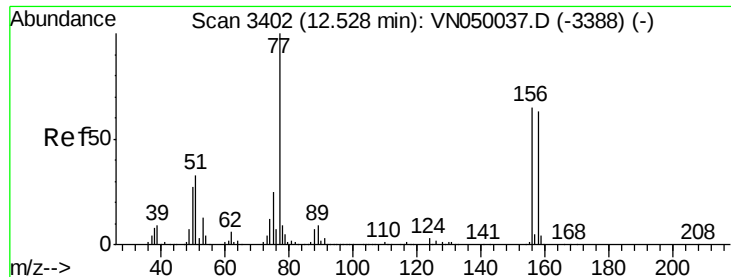
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#72
 1,2,3-Trichloropropane
 Concen: 18.61 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	207.2	0.0	454.4	





#73

Bromobenzene

Concen: 18.45 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

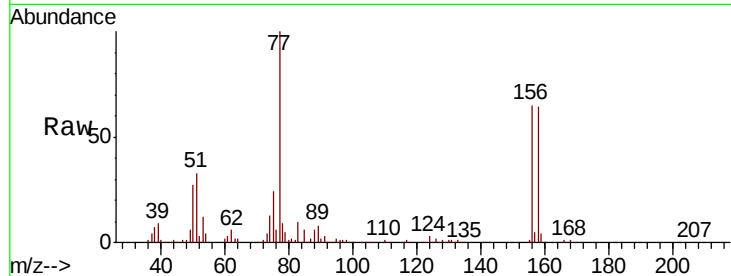
ClientSampleId :

VSTDCCC020

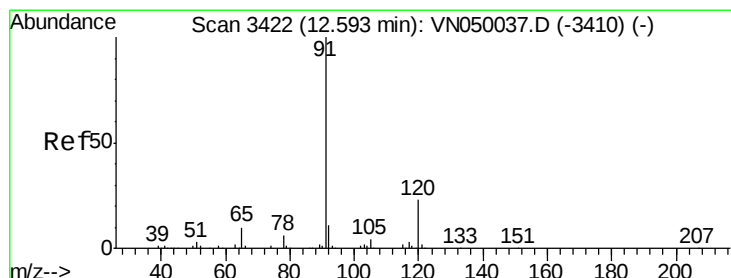
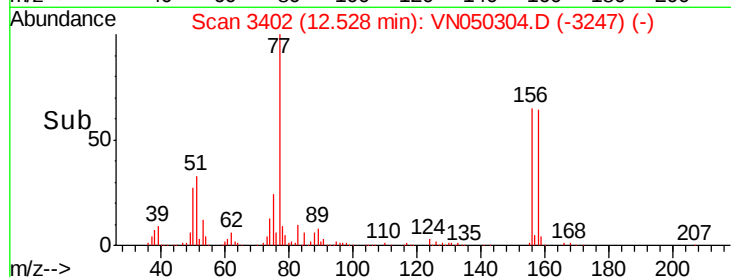
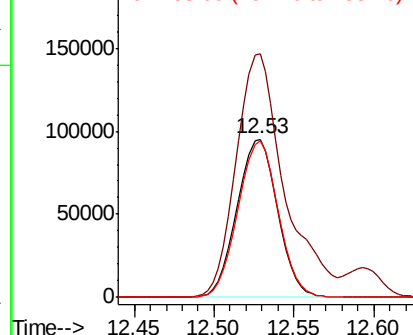
Tot Ion:	156	Resp:	165066
Ion Ratio	Lower	Upper	
156	100		
77	184.0	0.0	359.8
158	98.0	0.0	192.8

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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: 18.58 ug/l

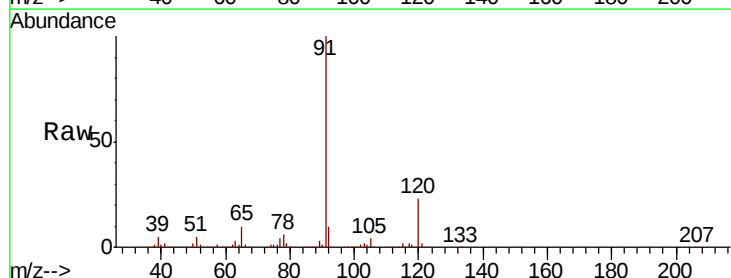
RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

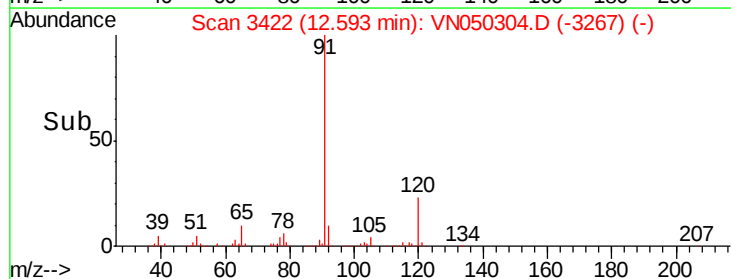
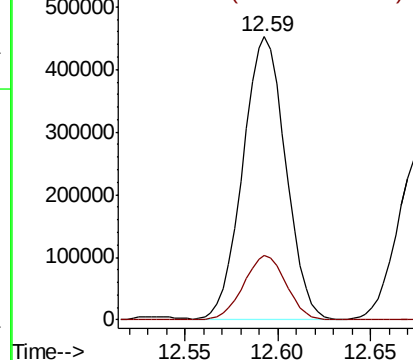
Lab File: VN050304.D

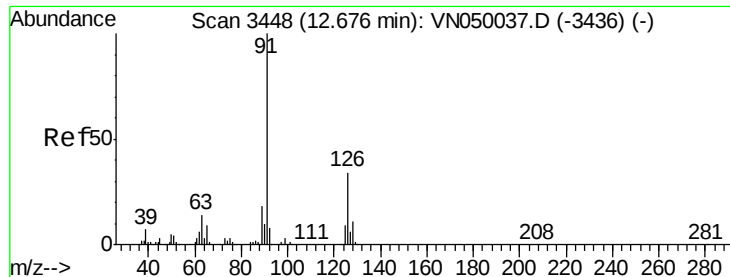
Acq: 3 Aug 2018 10:29

Tgt Ion:	91	Resp:	726887
Ion Ratio	Lower	Upper	
91	100		
120	22.5	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: 18.85 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 442885

Ion Ratio Lower Upper

91 100

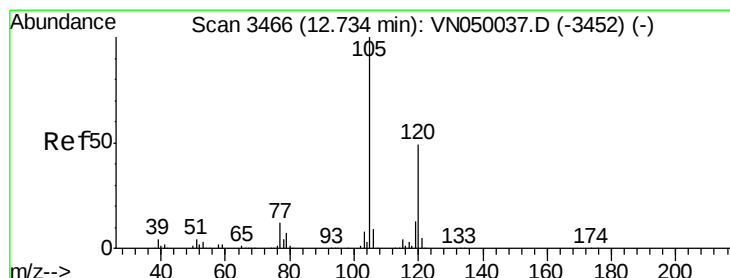
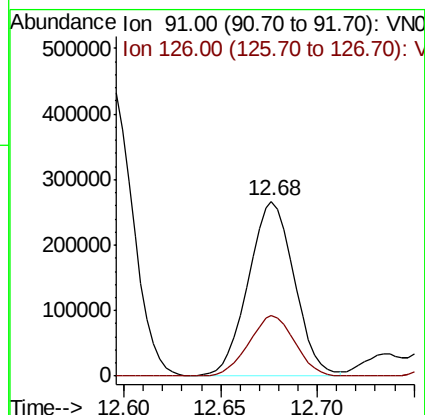
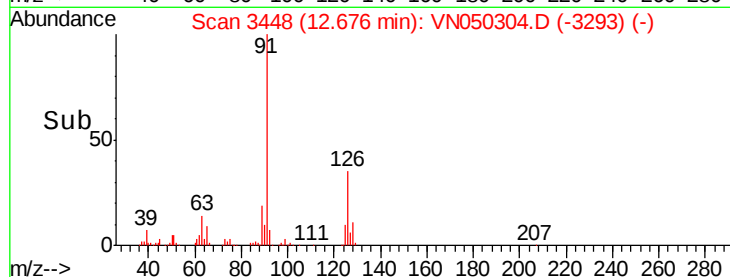
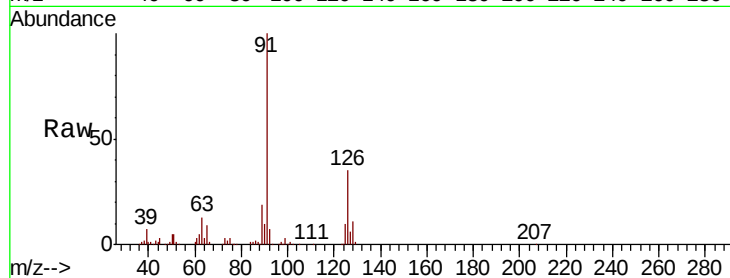
126 34.7 0.0 68.6

Manual Integrations

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8/6/2018 11:37:42 AM



#76

1,3,5-Trimethylbenzene

Concen: 18.99 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050304.D

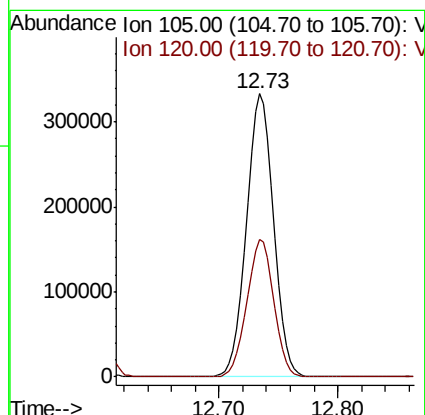
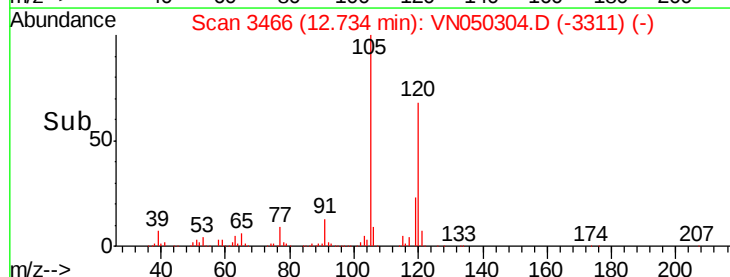
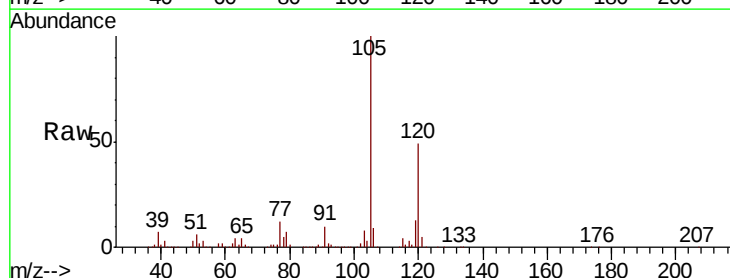
Acq: 3 Aug 2018 10:29

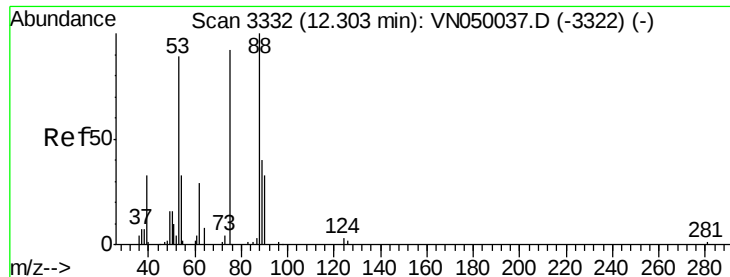
Tgt Ion: 105 Resp: 523921

Ion Ratio Lower Upper

105 100

120 48.2 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 15.55 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

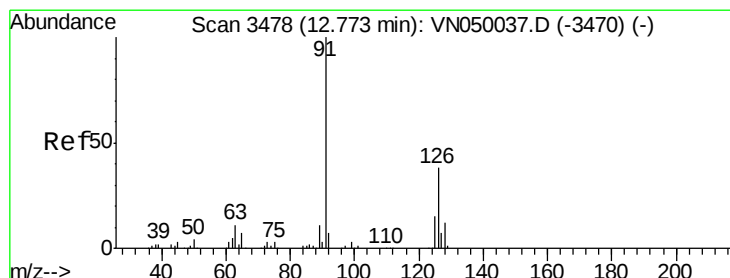
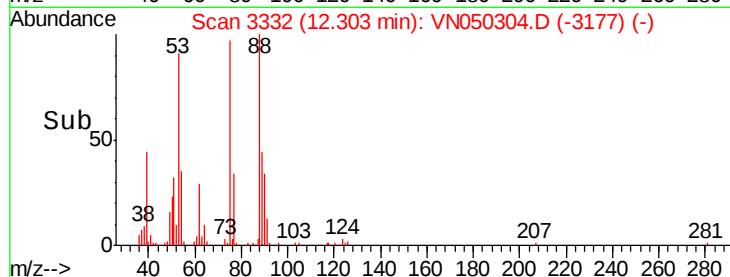
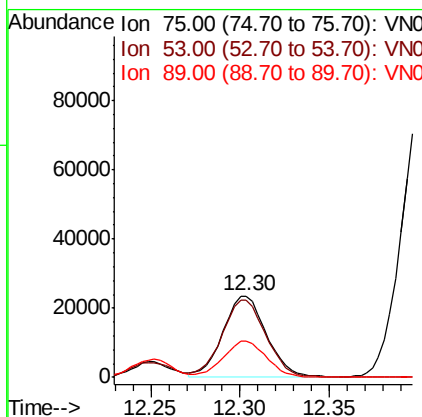
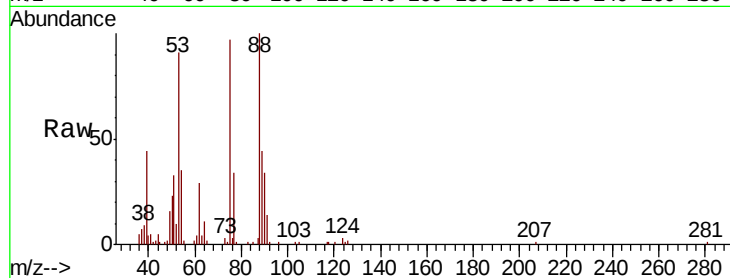
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	40046
Ion	Ratio	Lower	Upper
75	100		
53	94.2	44.6	134.0
89	45.5	20.7	62.1

Manual Integrations
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8/6/2018 11:37:42 AM



#78

4-Chlorotoluene

Concen: 18.65 ug/l

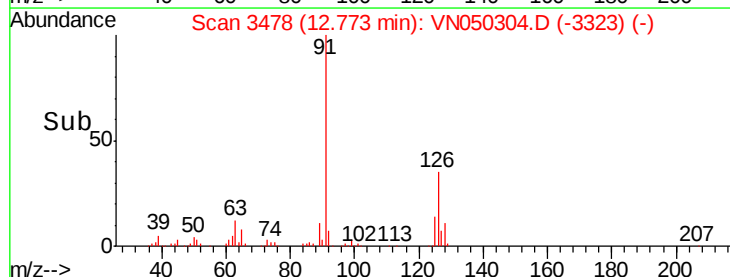
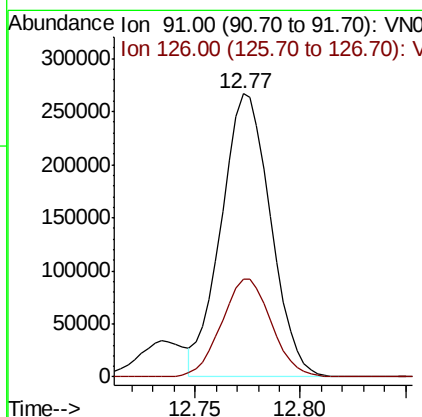
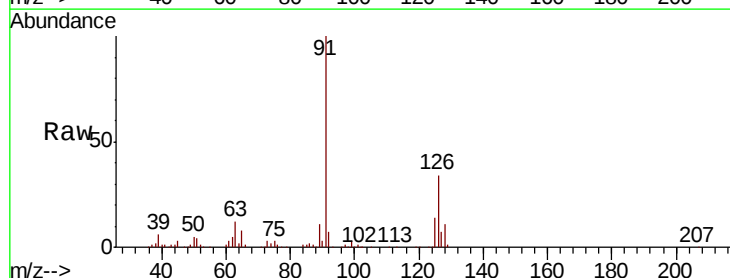
RT: 12.77 min Scan# 3478

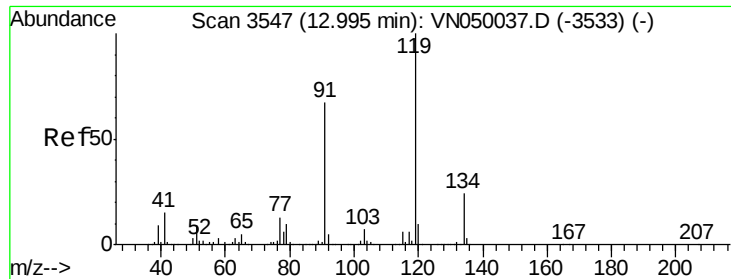
Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Tgt Ion:	91	Resp:	434360
Ion	Ratio	Lower	Upper
91	100		
126	34.8	0.0	68.4





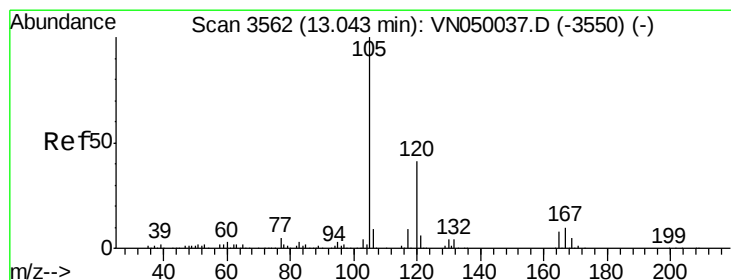
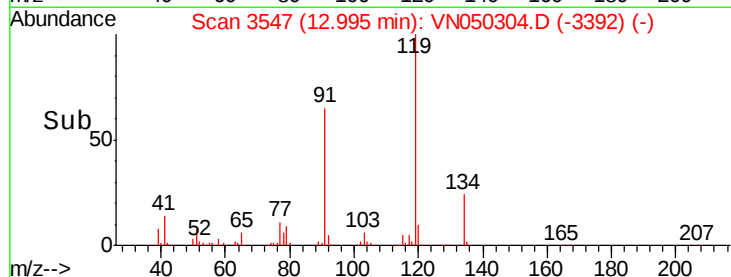
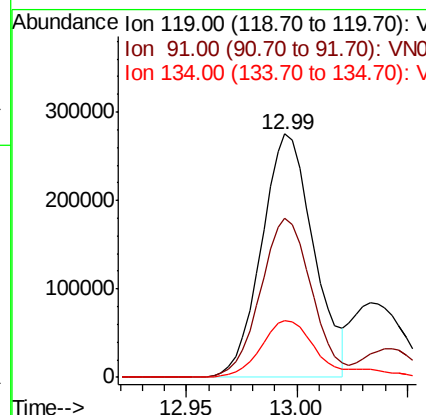
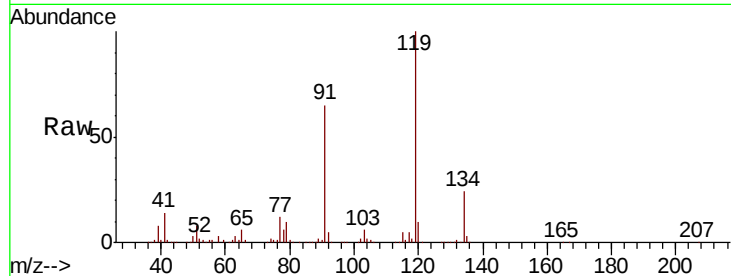
#79
tert-butylbenzene
Concen: 19.08 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	449990		
91	64.0		0.0	126.8
134	23.7		0.0	47.4

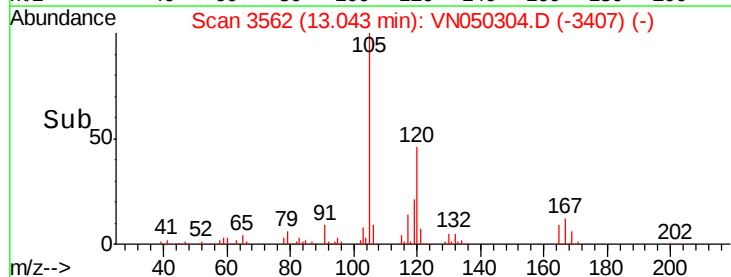
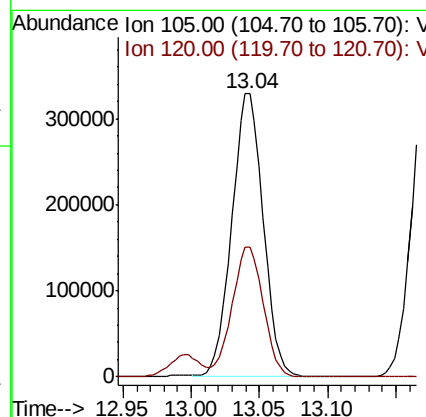
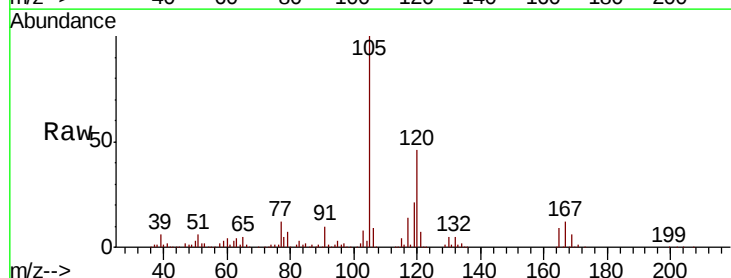
Manual Integrations
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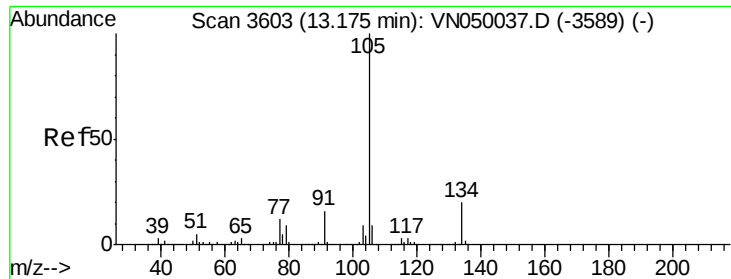
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 18.82 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	526175		
120	45.5		0.0	90.6





#81

sec-Butylbenzene

Concen: 18.90 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 605504

Ion Ratio Lower Upper

105 100

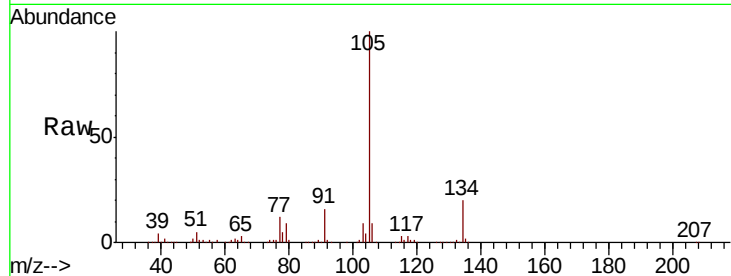
134 19.8 0.0 40.6

Manual Integrations

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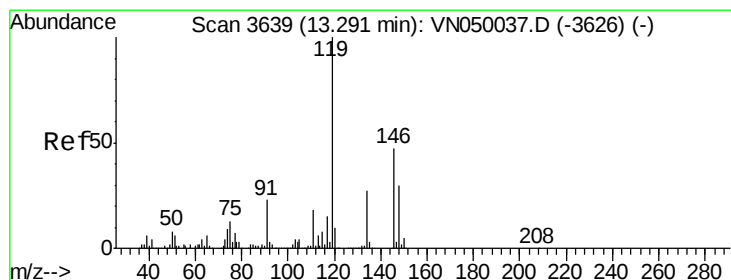
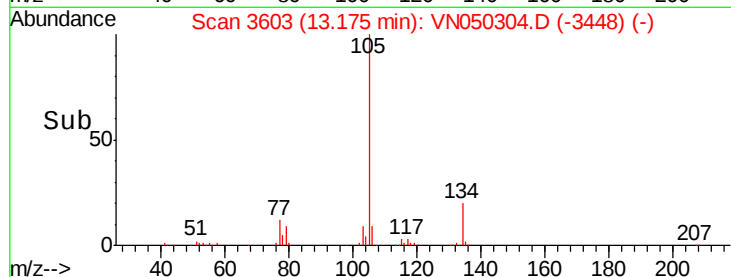
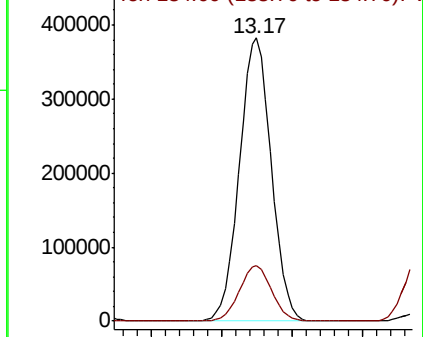
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 18.83 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

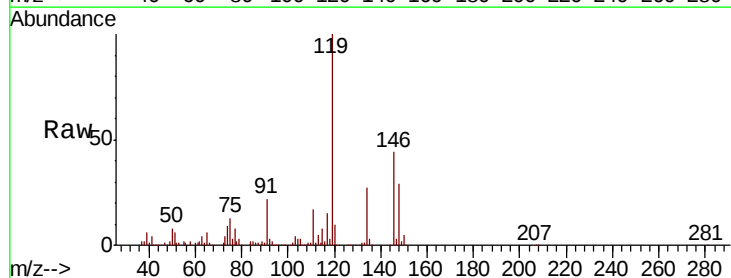
Tgt Ion:119 Resp: 514732

Ion Ratio Lower Upper

119 100

134 26.2 0.0 52.2

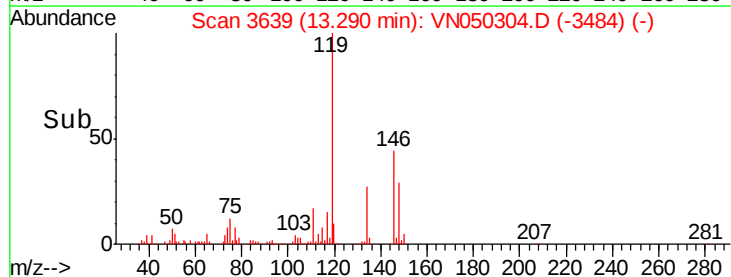
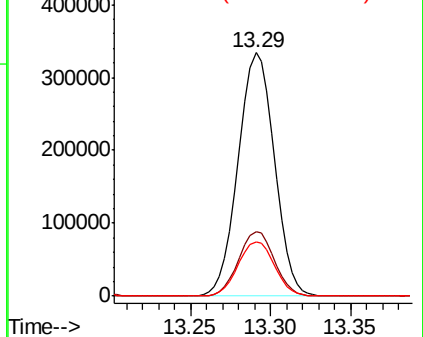
91 22.6 0.0 45.6

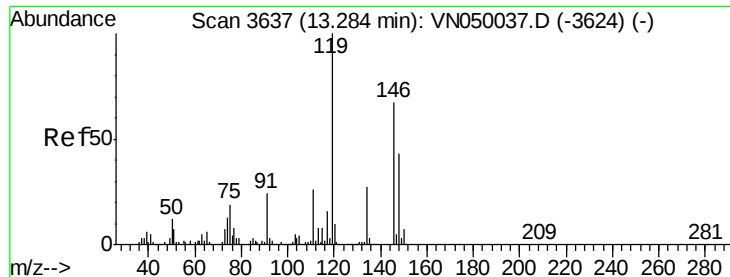


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





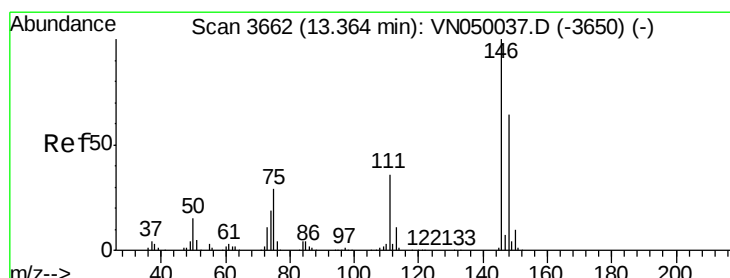
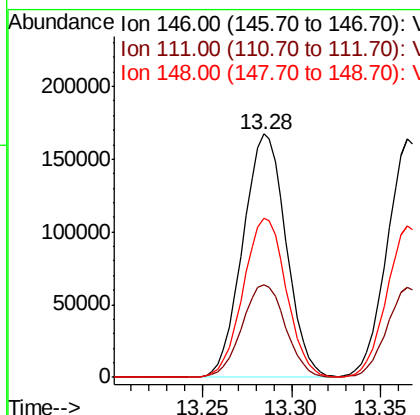
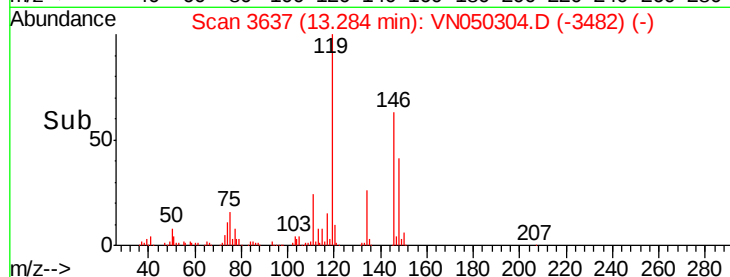
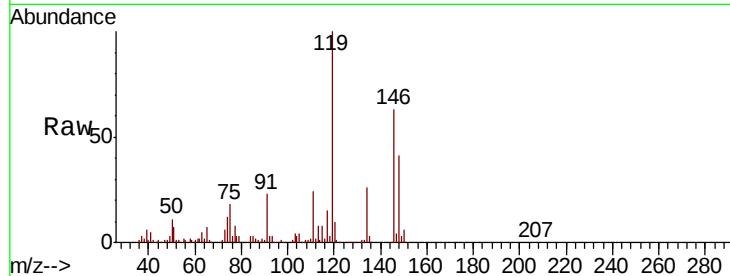
#83
1,3-Dichlorobenzene
Concen: 18.17 ug/l
RT: 13.28 min Scan# 3637
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	65.1	31.9	95.9

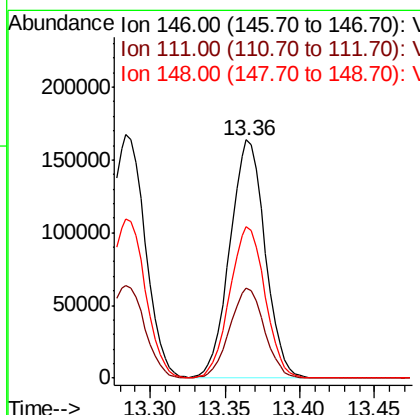
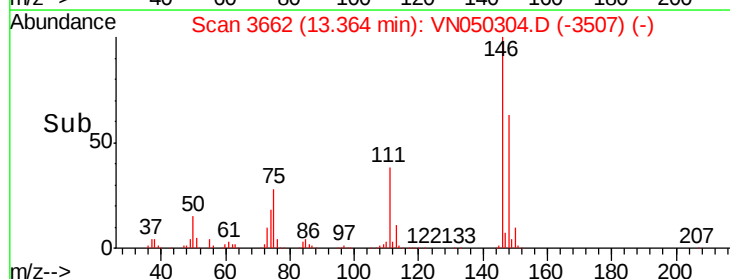
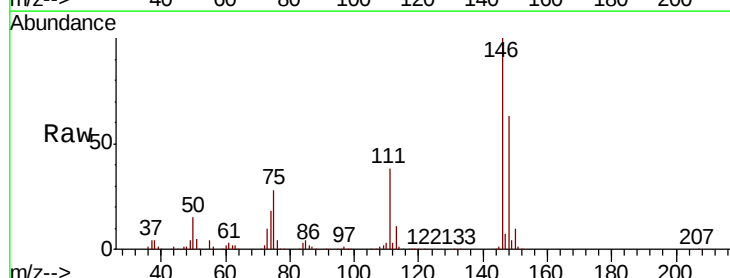
Manual Integrations
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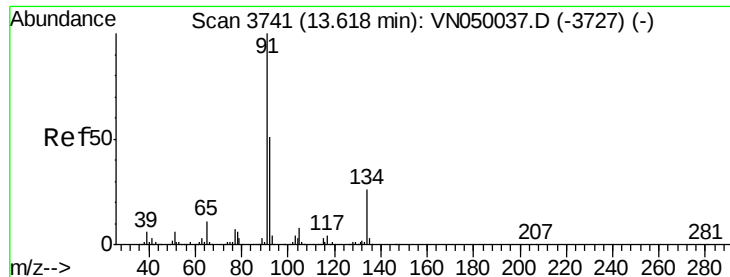
MMDadoda
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#84
1,4-Dichlorobenzene
Concen: 18.26 ug/l
RT: 13.36 min Scan# 3662
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	17.9	53.8
148	63.5	32.4	97.0





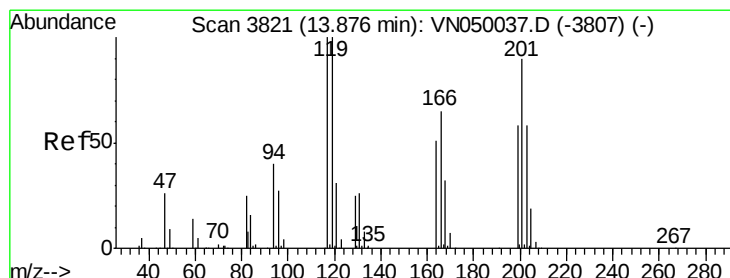
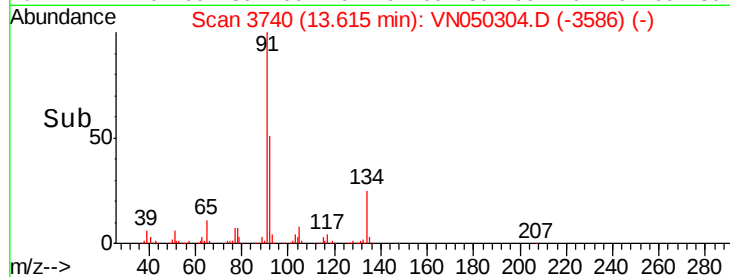
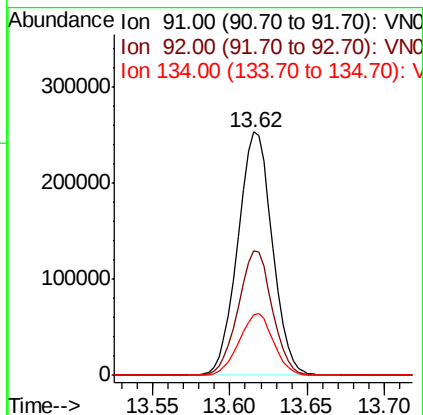
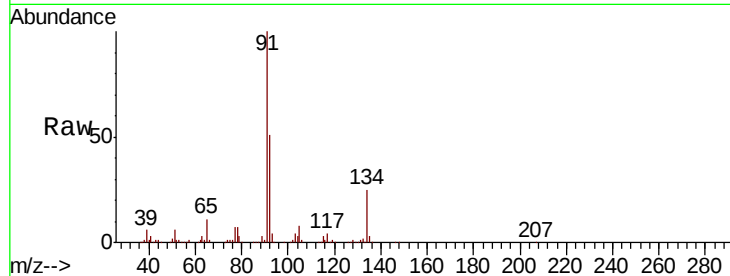
#85
n-Butylbenzene
Concen: 17.72 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	393179		
92	50.5	0.0	102.8	
134	25.2	0.0	51.0	

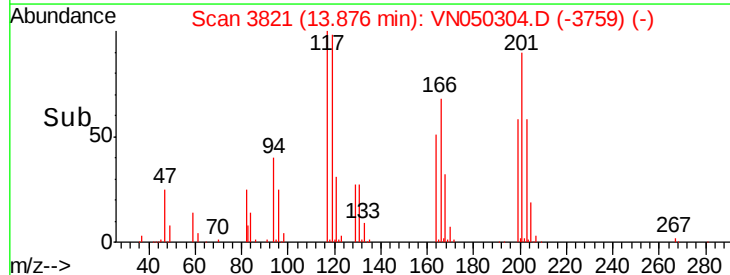
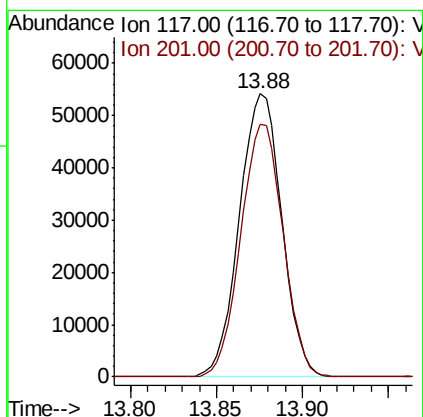
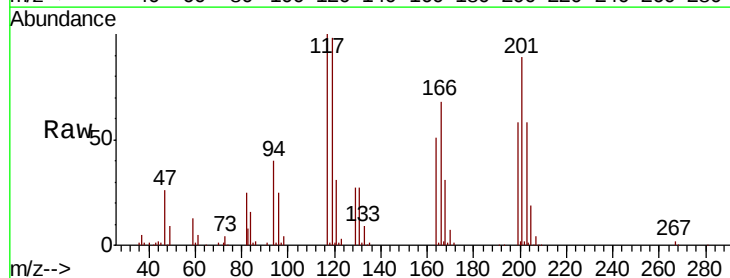
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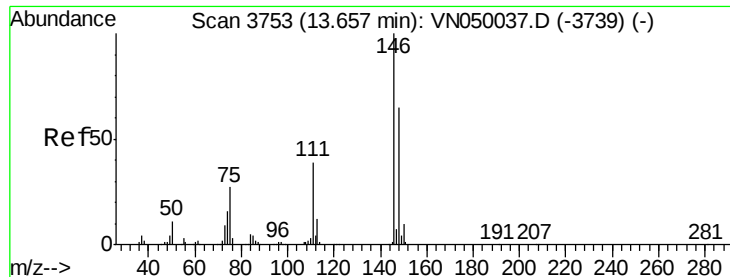
MMDadoda
8/6/2018 11:37:42 AM



#86
Hexachloroethane
Concen: 17.02 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050304.D
Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	93005		
201	89.1	46.6	139.7	





#87

1,2-Dichlorobenzene

Concen: 18.94 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

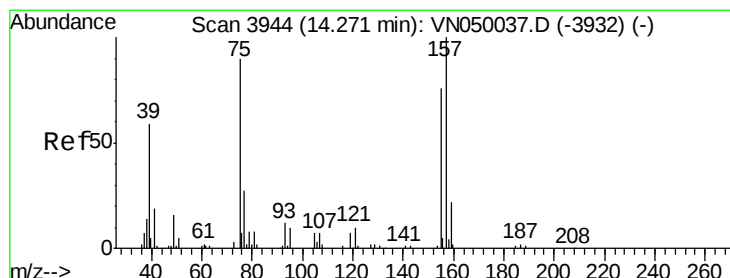
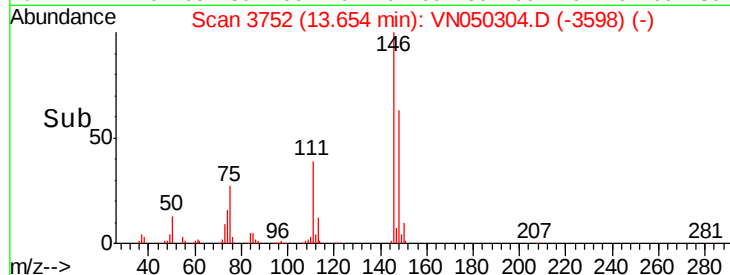
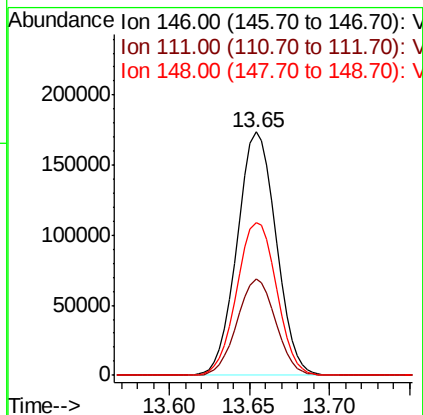
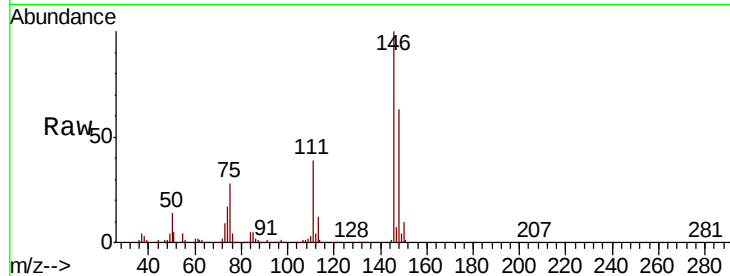
ClientSampled :

VSTDCCC020

Tot Ion:	146	Resp:	288447
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.8	59.3
148	64.1	31.8	95.3

Manual Integrations
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MMDadoda
8/6/2018 11:37:42 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.86 ug/l

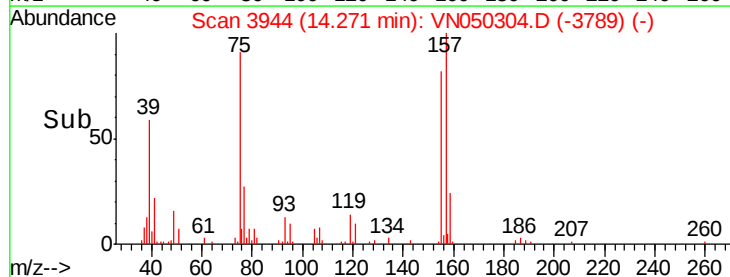
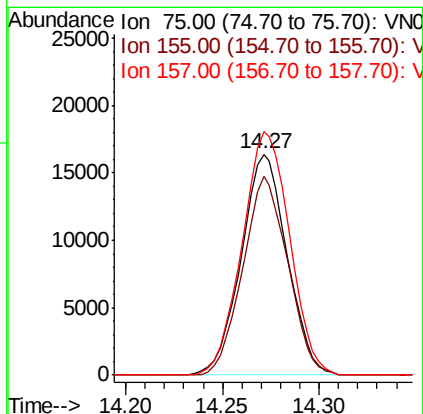
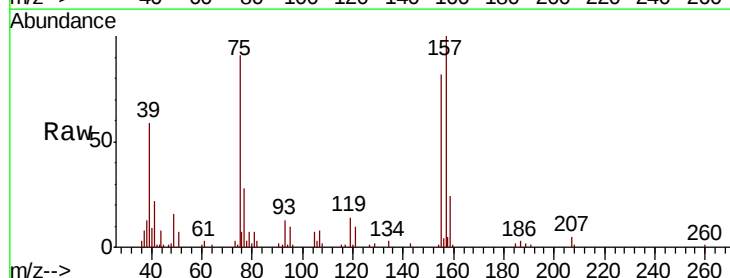
RT: 14.27 min Scan# 3944

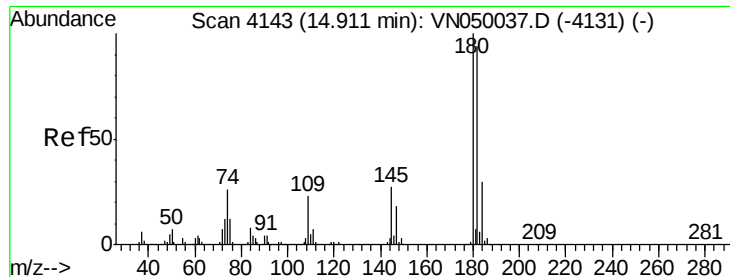
Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Tgt Ion:	75	Resp:	27090
Ion Ratio	Lower	Upper	
75	100		
155	87.8	73.0	109.6
157	113.8	94.9	142.3





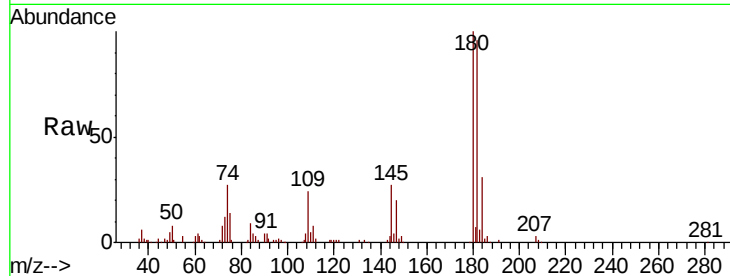
#89
 1,2,4-Trichlorobenzene
 Concen: 16.67 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121293		
182	94.6	76.7	115.1	
145	27.7	23.4	35.0	

Manual Integrations
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MMDadoda
 8/6/2018 11:37:42 AM

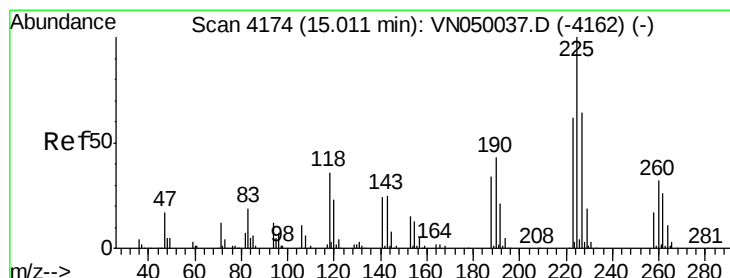
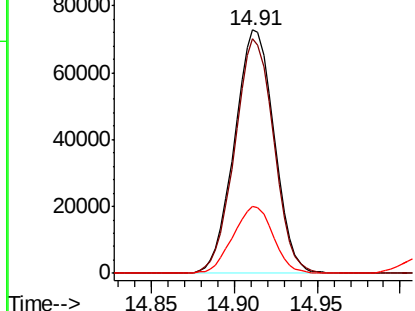
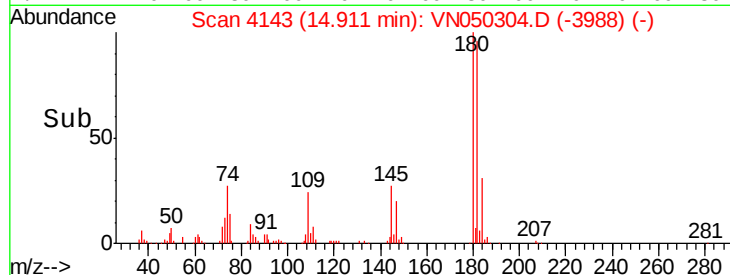


Abundance

Ion 180.00 (179.70 to 180.70): V

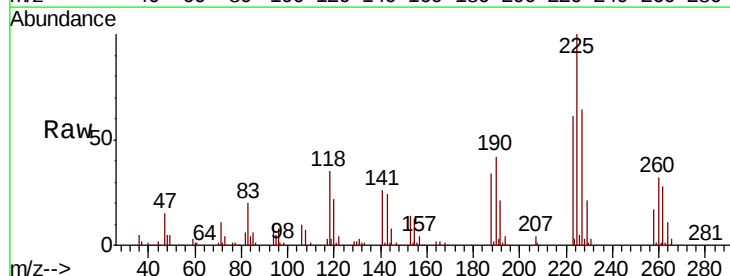
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 18.82 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050304.D
 Acq: 3 Aug 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	90274		
223	62.4	0.0	124.4	
227	63.5	0.0	133.0	

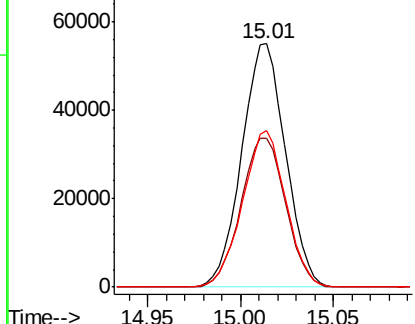
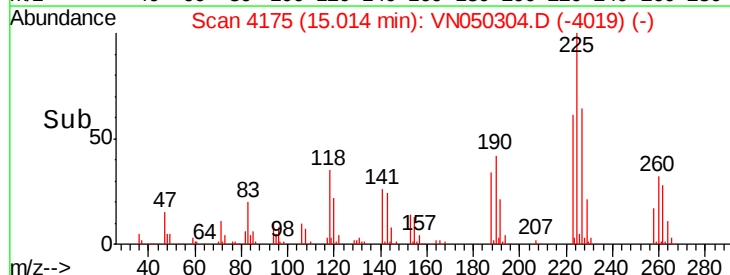


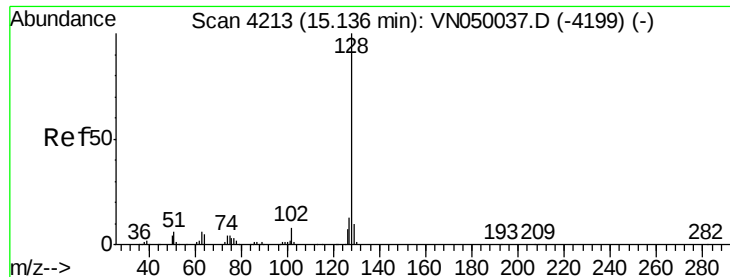
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 18.38 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Instrument :

MSVOA_N

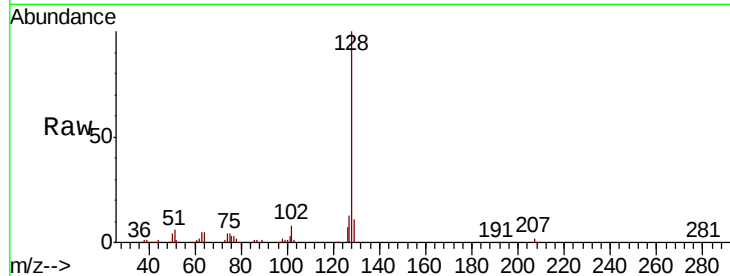
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	244880
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.2	15.4
129	10.9	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:37:42 AM

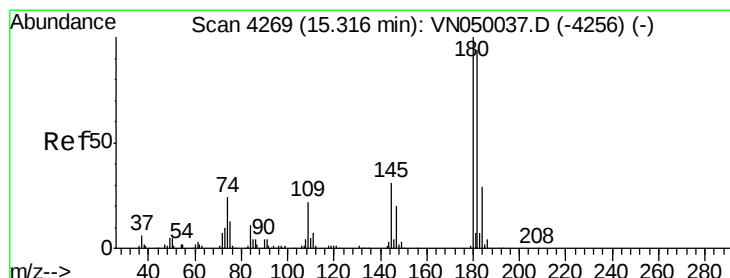
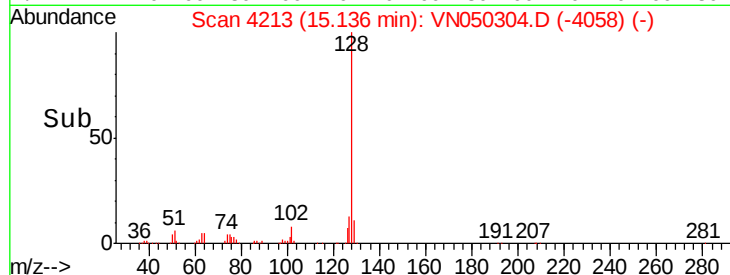
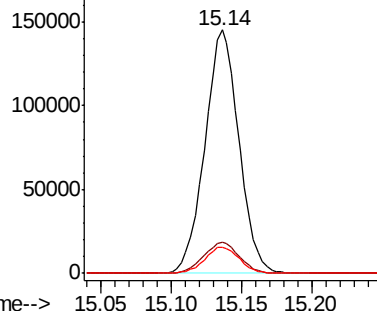


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 17.68 ug/l

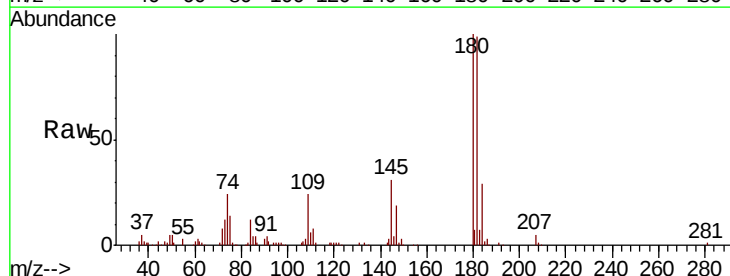
RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050304.D

Acq: 3 Aug 2018 10:29

Tgt Ion:	180	Resp:	130769
Ion Ratio	Lower	Upper	
180	100		
182	94.6	0.0	188.8
145	30.0	0.0	60.8



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

