

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050075.D
 Acq On : 26 Jul 2018 12:03
 Operator : MD\SY
 Sample : VN0726WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 12:15:29 PM

Quant Time: Jul 27 01:44:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	684033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1003228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	887087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	446794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	442444	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
35) Dibromofluoromethane	7.59	113	399604	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	10.09	98	1478463	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.40	95	474305	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	195622	19.90	ug/l	100
3) Chloromethane	2.06	50	189206	17.71	ug/l	98
4) Vinyl Chloride	2.18	62	202933	18.04	ug/l	99
5) Bromomethane	2.56	94	122760	19.03	ug/l	98
6) Chloroethane	2.70	64	118567	17.55	ug/l	100
7) Trichlorofluoromethane	3.01	101	266158	18.26	ug/l	100
8) Diethyl Ether	3.41	74	87734	18.06	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	165387	18.87	ug/l	100
10) Methyl Iodide	3.95	142	197312	17.54	ug/l	99
11) Tert butyl alcohol	4.80	59	59732	85.06	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	141299	17.92	ug/l	97
13) Acrolein	3.61	56	33954	60.18	ug/l	97
14) Allyl chloride	4.32	41	225306	18.43	ug/l	99
15) Acrylonitrile	4.99	53	268043	87.49	ug/l	100
16) Acetone	3.82	43	229422	99.44	ug/l	99
17) Carbon Disulfide	4.05	76	422214	17.48	ug/l	99
18) Methyl Acetate	4.33	43	176962	19.24	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	393473	18.73	ug/l	99
20) Methylene Chloride	4.55	84	164953	18.71	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	151818	18.17	ug/l	98
22) Diisopropyl ether	5.96	45	475768	19.63	ug/l	98
23) Vinyl Acetate	5.90	43	1562996	91.24	ug/l	99
24) 1,1-Dichloroethane	5.85	63	290283	18.31	ug/l	99
25) 2-Butanone	6.84	43	332669	91.39	ug/l	100
26) 2,2-Dichloropropane	6.82	77	241790	20.05	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	169770	18.88	ug/l	100
28) Bromochloromethane	7.20	49	132292	18.30	ug/l	99
29) Tetrahydrofuran	7.22	42	210499	89.49	ug/l	98
30) Chloroform	7.37	83	296118	18.31	ug/l	98
31) Cyclohexane	7.66	56	244525	18.56	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	256631	18.55	ug/l	99
36) 1,1-Dichloropropene	7.79	75	216679	19.17	ug/l	100
37) Ethyl Acetate	6.93	43	140375	17.81	ug/l	99
38) Carbon Tetrachloride	7.77	117	226564	18.89	ug/l	98

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	225942	19.43	ug/l	99
40) Benzene	8.04	78	664699	19.33	ug/l	99
41) Methacrylonitrile	7.19	41	74422m	19.88	ug/l	
42) 1,2-Dichloroethane	8.13	62	215805	18.81	ug/l	99
43) Isopropyl Acetate	8.17	43	284929	18.47	ug/l	95
44) Trichloroethene	8.84	130	174509	18.88	ug/l	98
45) 1,2-Dichloropropane	9.12	63	176385	19.36	ug/l	98
46) Dibromomethane	9.21	93	105419	18.64	ug/l	99
47) Bromodichloromethane	9.40	83	225275	18.87	ug/l	100
48) Methyl methacrylate	9.20	41	124592	18.36	ug/l	96
49) 1,4-Dioxane	9.20	88	33127	358.67	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	713718	92.13	ug/l	99
52) Toluene	10.16	92	405747	19.99	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	219132	19.45	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	252818	19.64	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	153629	19.08	ug/l	99
56) Ethyl methacrylate	10.43	69	180165	17.88	ug/l	98
57) 1,3-Dichloropropane	10.71	76	249081	18.99	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	413172	86.83	ug/l	100
59) 2-Hexanone	10.75	43	467509	85.60	ug/l	99
60) Dibromochloromethane	10.90	129	169055	18.96	ug/l	99
61) 1,2-Dibromoethane	11.01	107	146664	18.36	ug/l	99
64) Tetrachloroethene	10.63	164	169242	19.84	ug/l	97
65) Chlorobenzene	11.44	112	431960	19.28	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	164863	19.15	ug/l	99
67) Ethyl Benzene	11.51	91	716824	19.91	ug/l	100
68) m/p-Xylenes	11.62	106	555155	40.78	ug/l	99
69) o-Xylene	11.95	106	260941	20.11	ug/l	100
70) Styrene	11.97	104	416926	18.65	ug/l	99
71) Bromoform	12.13	173	116247	18.56	ug/l #	99
73) Isopropylbenzene	12.25	105	699631	20.19	ug/l	100
74) N-amyl acetate	12.07	43	188667	17.81	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	187127	19.13	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	161766m	19.48	ug/l	
77) Bromobenzene	12.53	156	181005	18.85	ug/l	99
78) n-propylbenzene	12.59	91	807558	20.85	ug/l	100
79) 2-Chlorotoluene	12.68	91	486991	20.29	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	581804	21.35	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	48492	18.52	ug/l	94
82) 4-Chlorotoluene	12.78	91	484995	20.40	ug/l	99
83) tert-Butylbenzene	12.99	119	494874	20.81	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	591516	21.53	ug/l	99
85) sec-Butylbenzene	13.17	105	668742	21.04	ug/l	100
86) p-Isopropyltoluene	13.29	119	571644	21.35	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	313918	19.28	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	300241	18.92	ug/l	96
89) n-Butylbenzene	13.62	91	449835	20.43	ug/l	99
90) Hexachloroethane	13.88	117	111818	18.80	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	309398	19.01	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27776	17.46	ug/l	97

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ClientSampleId :
VN0726WBS01

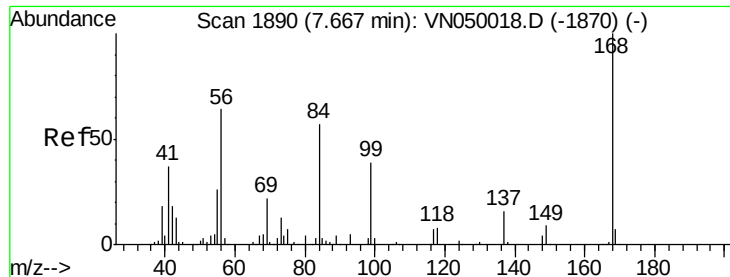
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	131945	17.43	ug/l	98
94) Hexachlorobutadiene	15.01	225	101137	20.30	ug/l	99
95) Naphthalene	15.14	128	263853	16.20	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	138039	17.90	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion:168 Resp: 684033

Ion Ratio Lower Upper

168 100

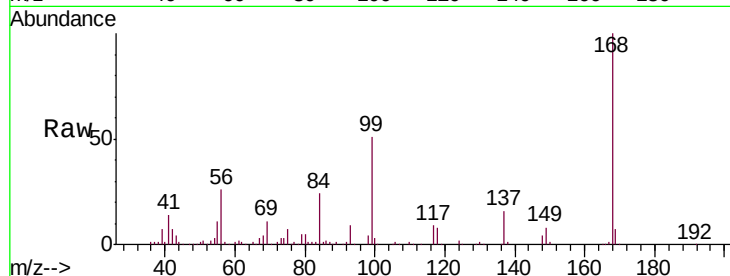
99 50.9 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

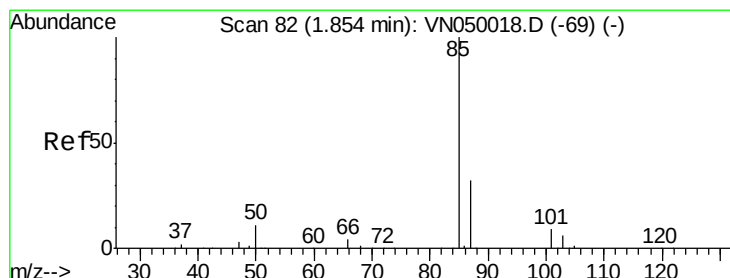
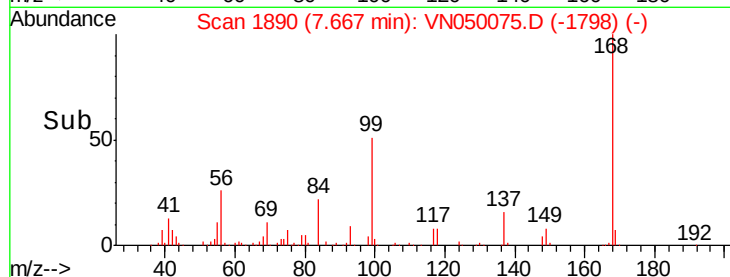
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.90 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050075.D

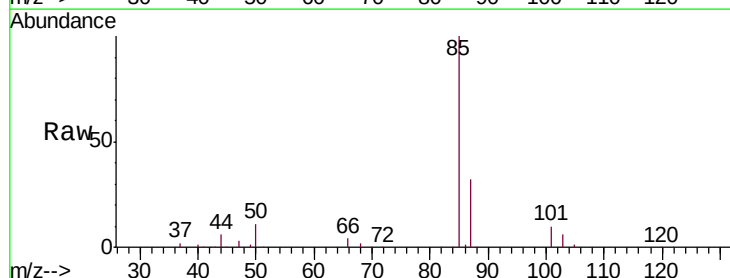
Acq: 26 Jul 2018 12:03

Tgt Ion: 85 Resp: 195622

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

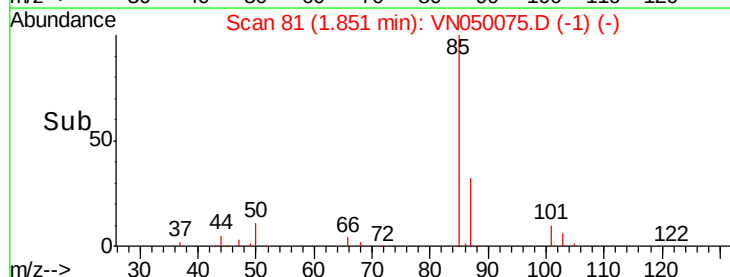
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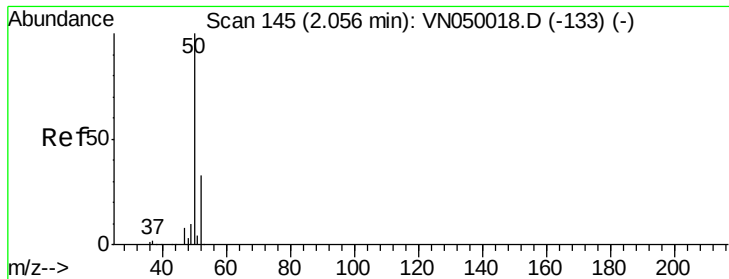
100000

50000

0

Time-->





#3

Chloromethane

Concen: 17.71 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampled :

VN0726WBS01

Tot Ion: 50 Resp: 189206

Ion Ratio Lower Upper

50 100

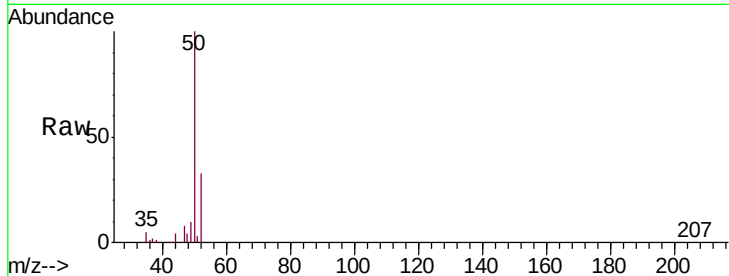
52 33.5 25.9 38.9

Manual Integrations

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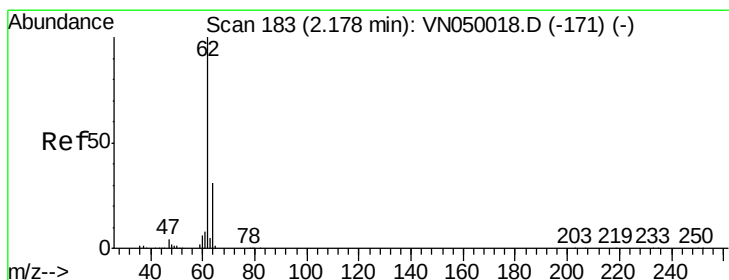
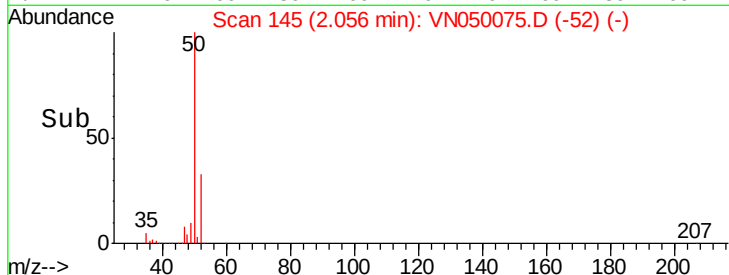
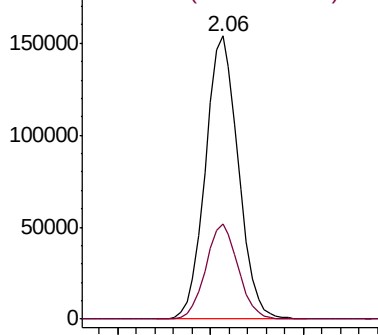
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.04 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050075.D

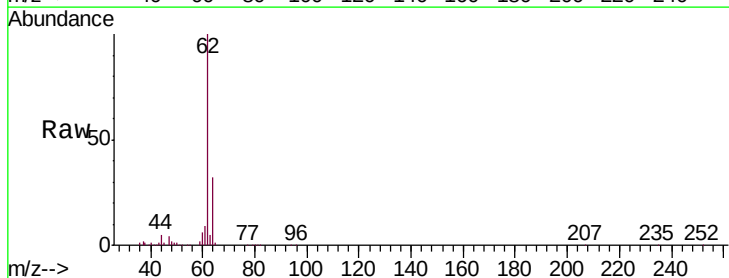
Acq: 26 Jul 2018 12:03

Tgt Ion: 62 Resp: 202933

Ion Ratio Lower Upper

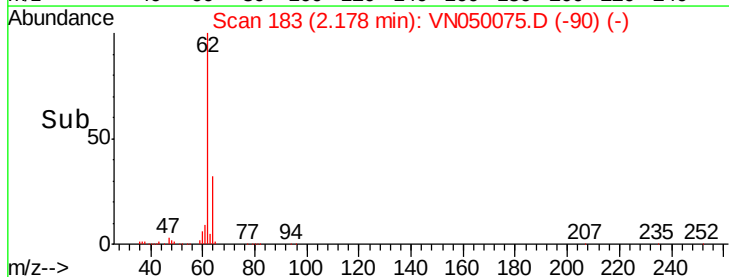
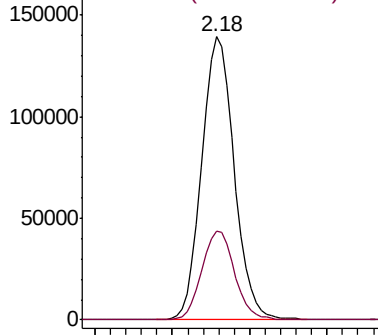
62 100

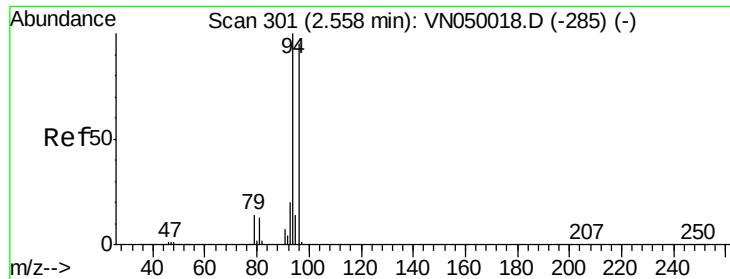
64 31.5 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.03 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion: 94 Resp: 122760

Ion Ratio Lower Upper

94 100

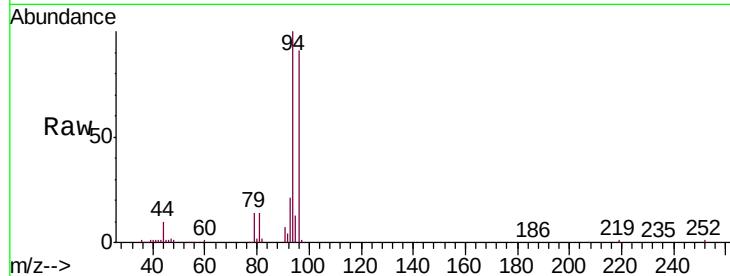
96 91.2 74.6 112.0

Manual Integrations

APPROVED

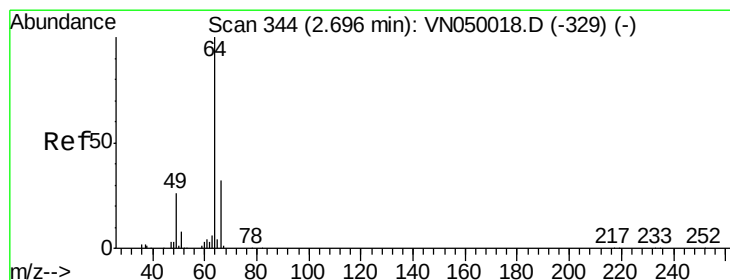
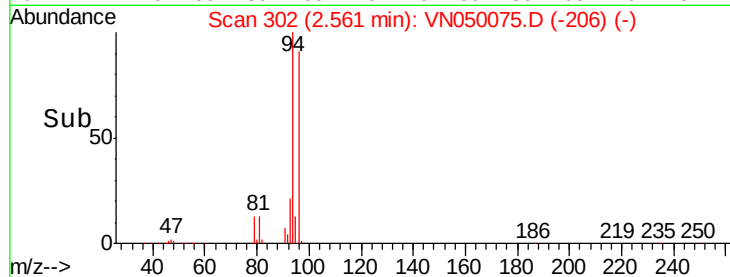
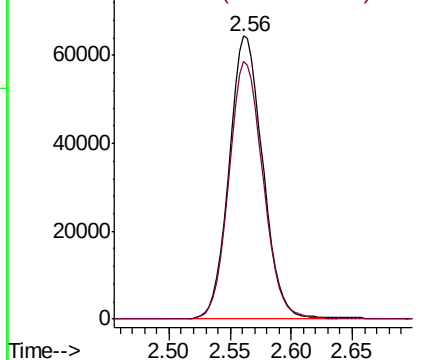
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.55 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050075.D

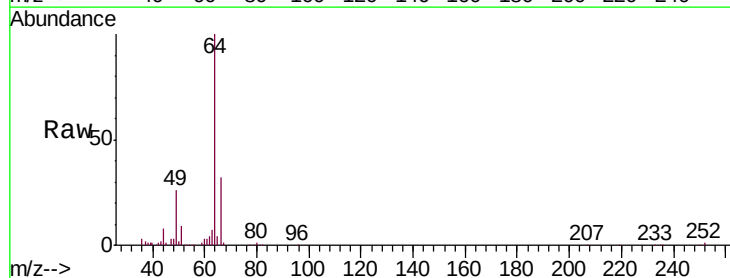
Acq: 26 Jul 2018 12:03

Tgt Ion: 64 Resp: 118567

Ion Ratio Lower Upper

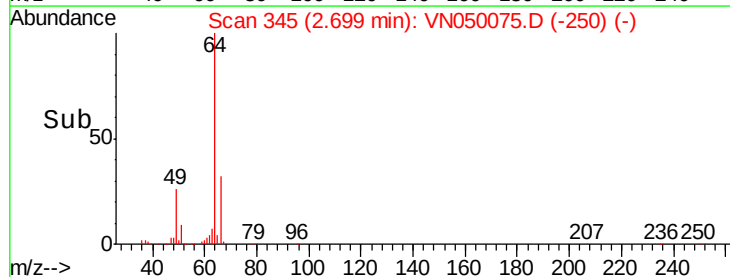
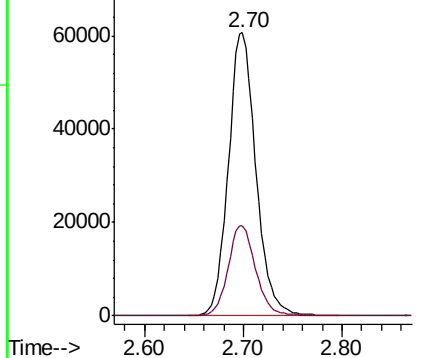
64 100

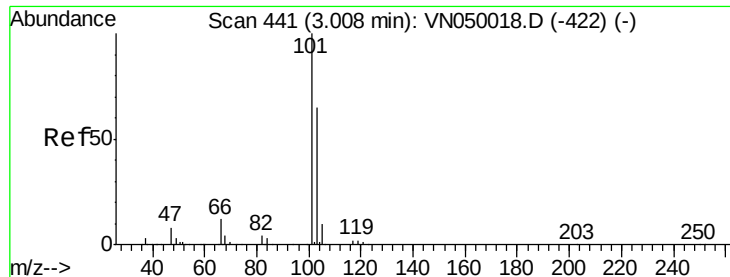
66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

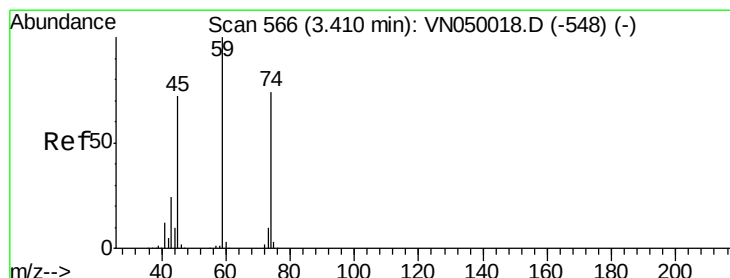
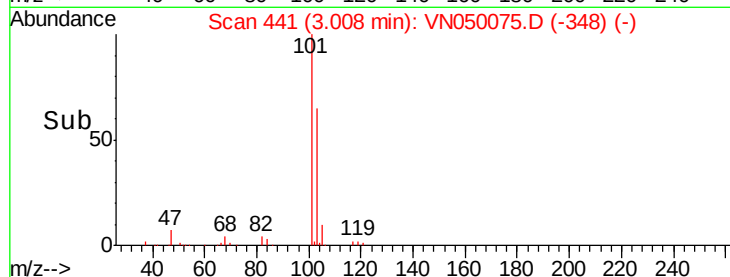
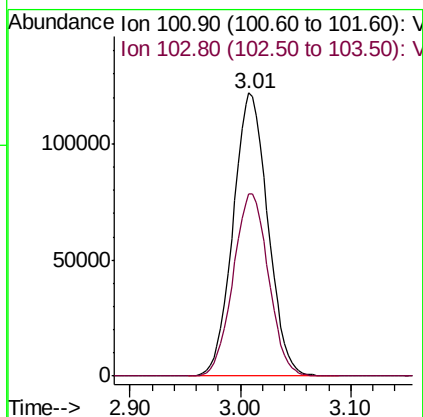
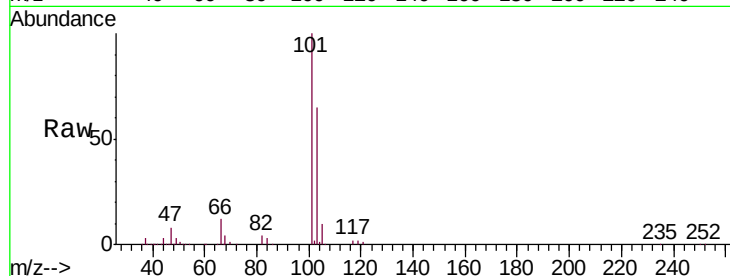
Trichlorofluoromethane
 Concen: 18.26 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Instrument :
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 ClientSampleId :
 VN0726WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.7	77.5

Manual Integrations
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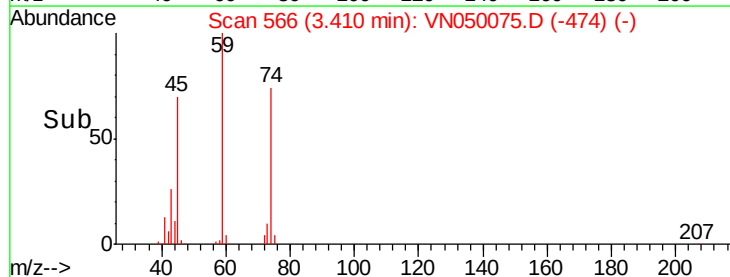
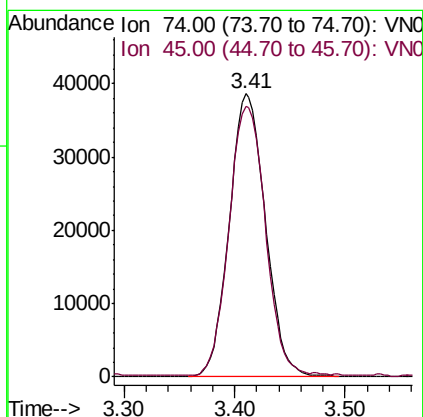
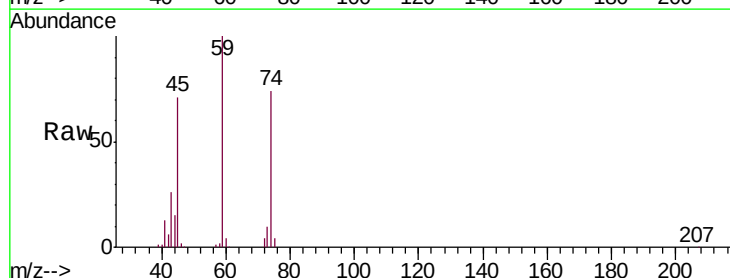
MMDadoda
 7/27/2018 12:15:29 PM

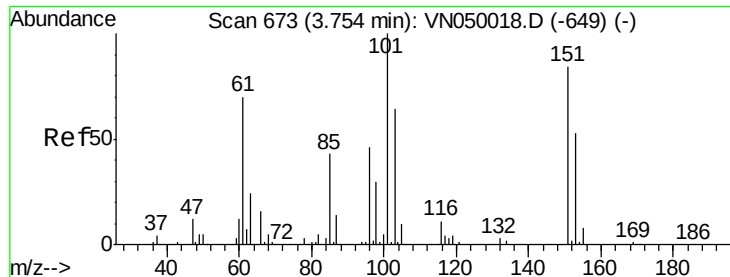


#8

Diethyl Ether
 Concen: 18.06 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.87 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

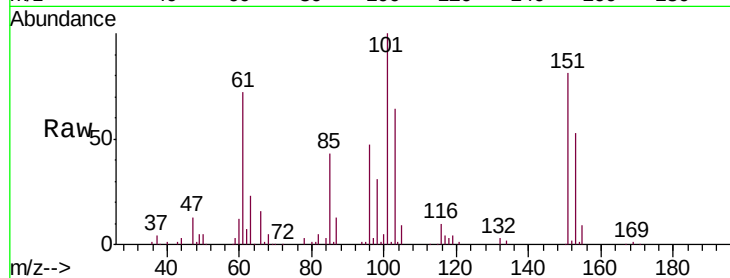
ClientSampled :

VN0726WBS01

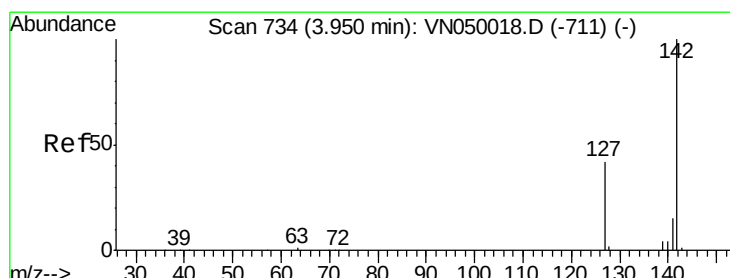
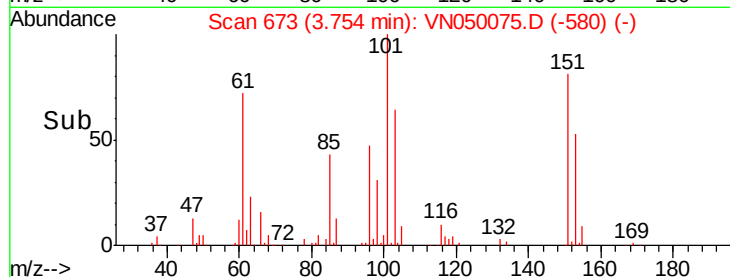
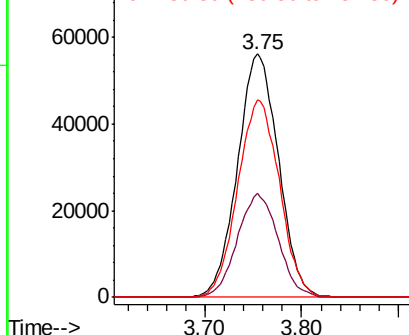
Tot Ion:	101	Resp:	165387
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.2
151	82.8	66.3	99.5

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



#10

Methyl Iodide

Concen: 17.54 ug/l

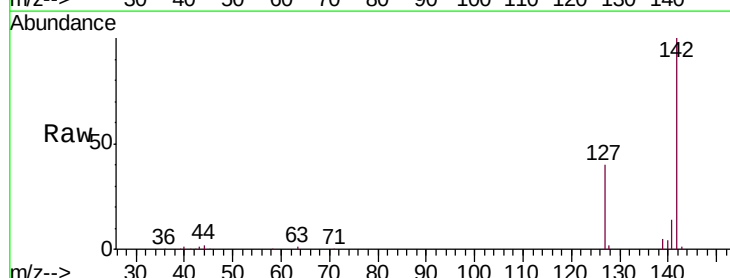
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

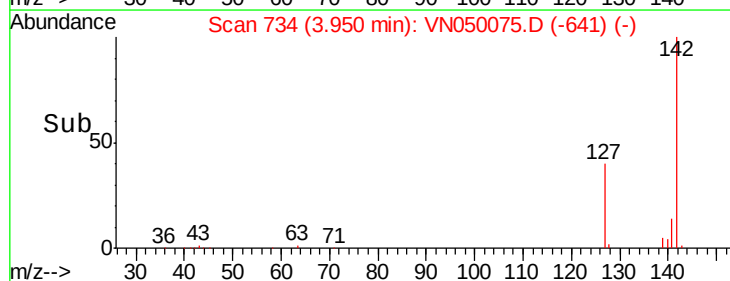
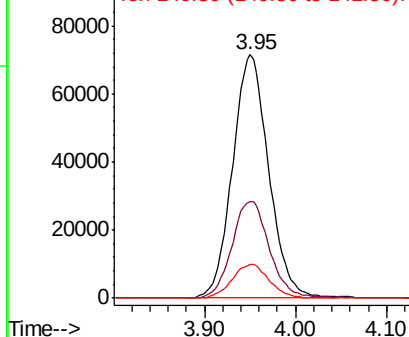
Lab File: VN050075.D

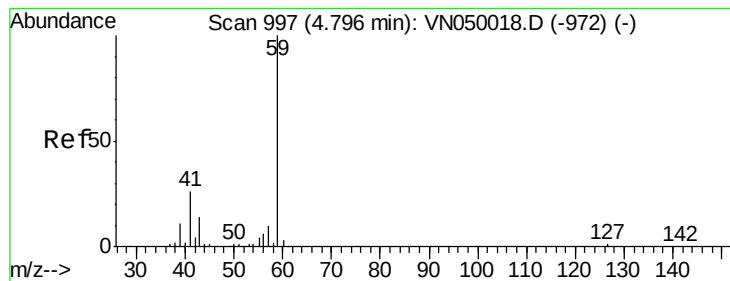
Acq: 26 Jul 2018 12:03

Tgt Ion:	142	Resp:	197312
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.4	50.2
141	14.1	11.6	17.4



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





#11

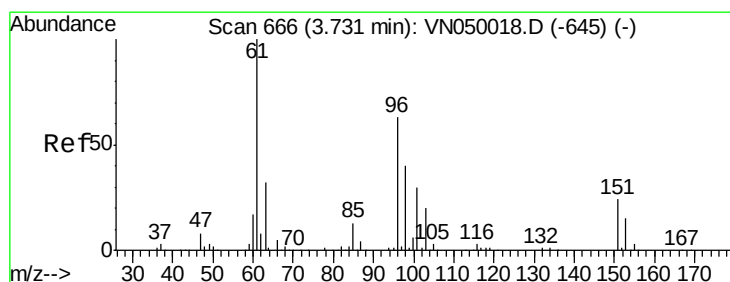
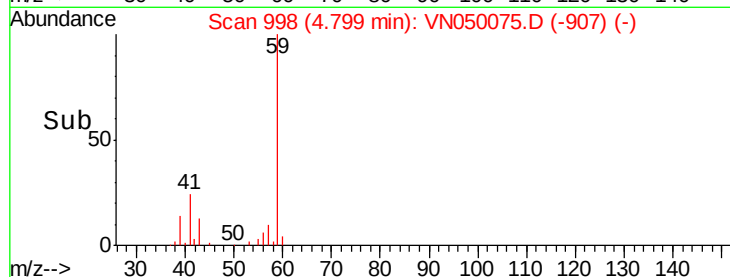
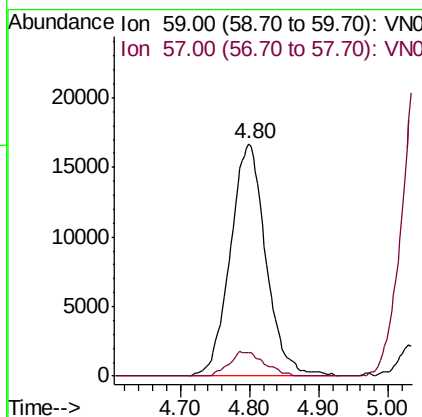
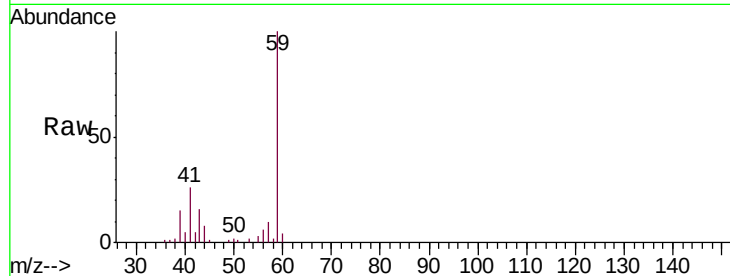
Tert butyl alcohol
Concen: 85.06 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.6	8.5	12.7#

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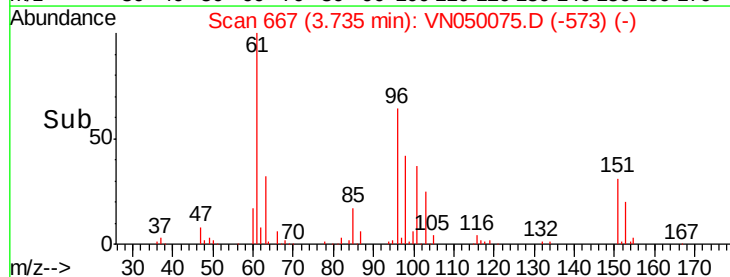
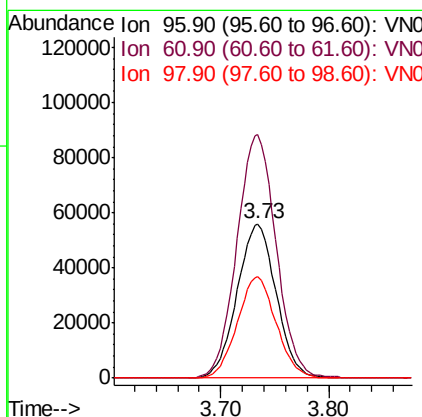
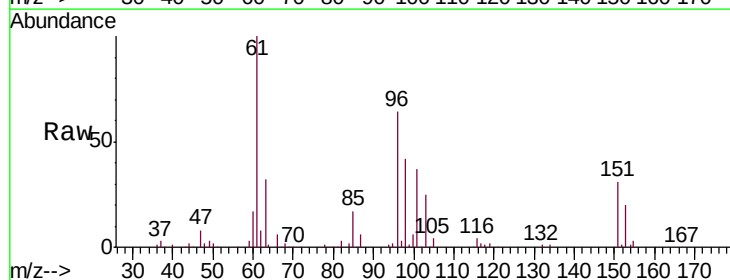
MMDadoda
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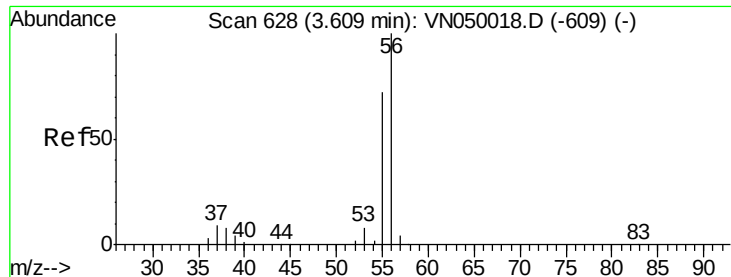


#12

1,1-Dichloroethene
Concen: 17.92 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.2	124.4	186.6
98	65.7	48.3	72.5





#13

Acrolein

Concen: 60.18 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion: 56 Resp: 33954

Ion Ratio Lower Upper

56 100

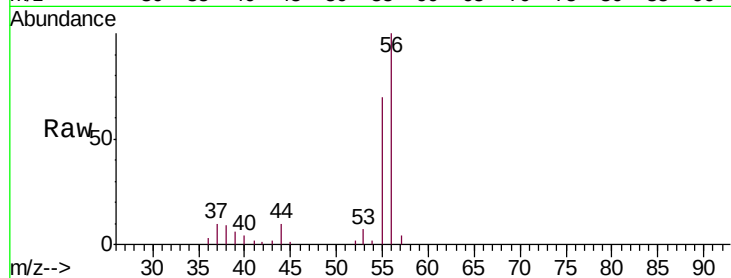
55 72.2 55.8 83.6

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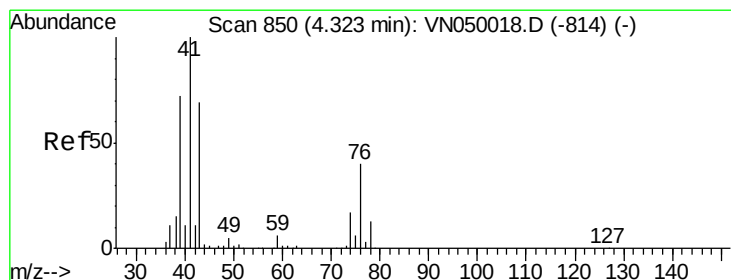
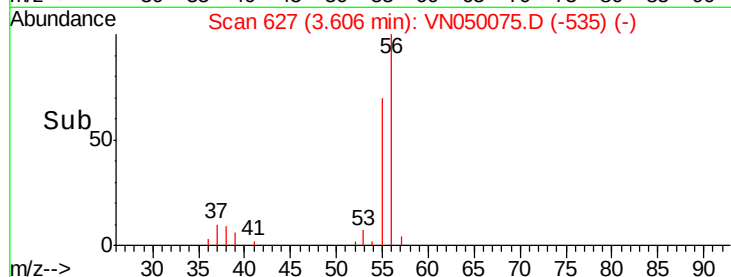
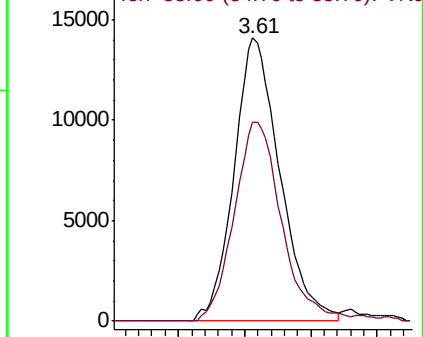
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 18.43 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

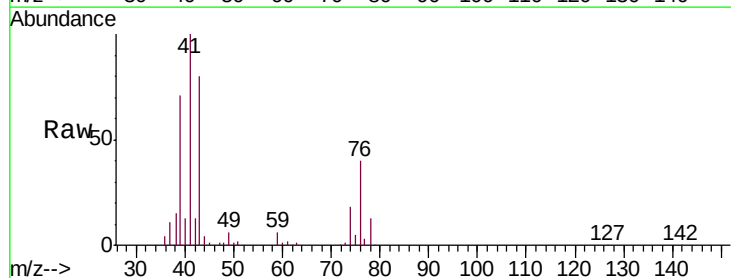
Tgt Ion: 41 Resp: 225306

Ion Ratio Lower Upper

41 100

39 67.1 54.2 81.4

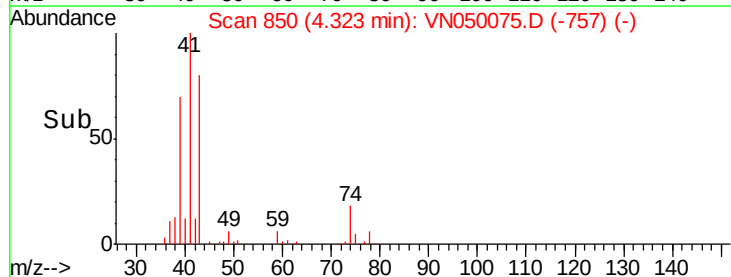
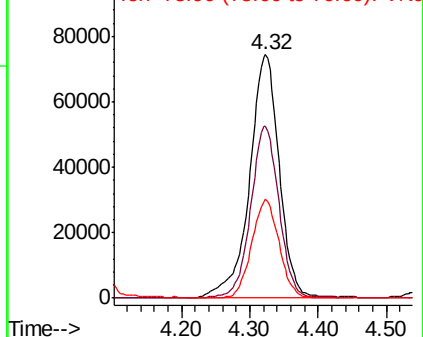
76 37.4 29.0 43.6

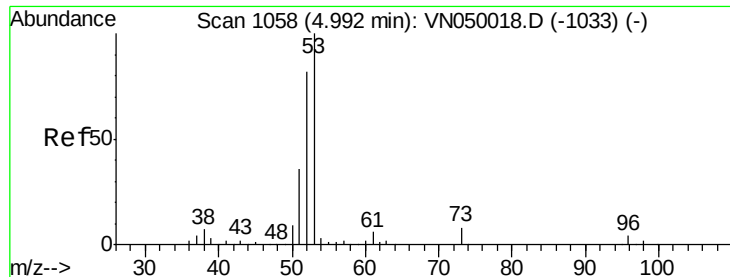


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 87.49 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

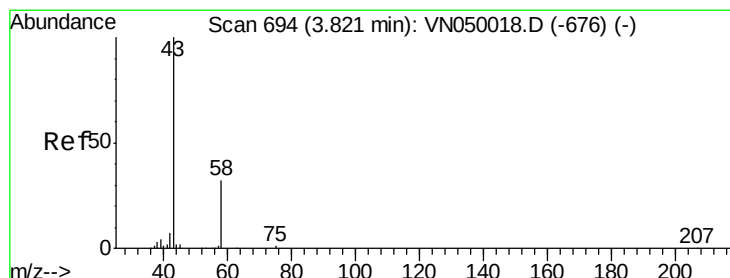
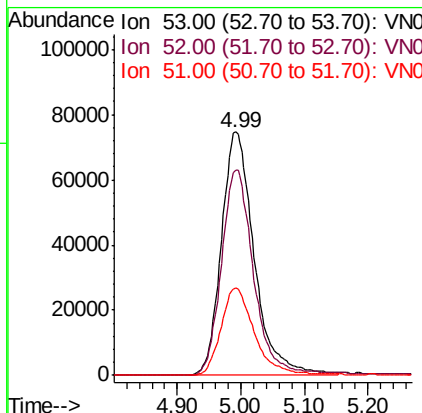
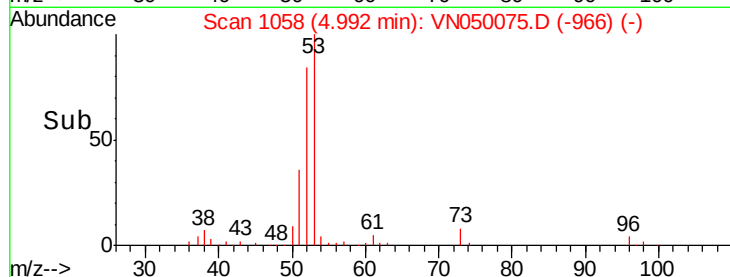
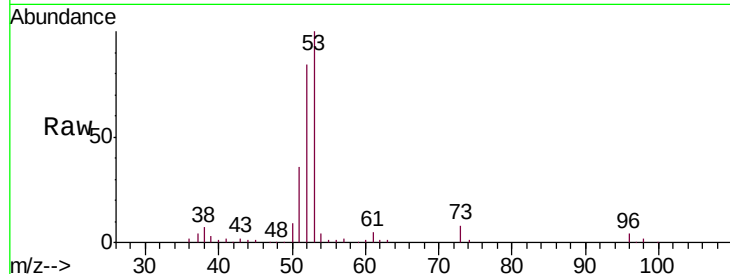
ClientSampleId :

VN0726WBS01

Tot Ion:	53	Resp:	268043
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	36.6	29.3	43.9

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#16

Acetone

Concen: 99.44 ug/l

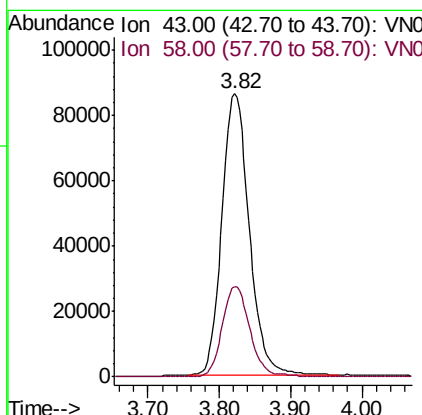
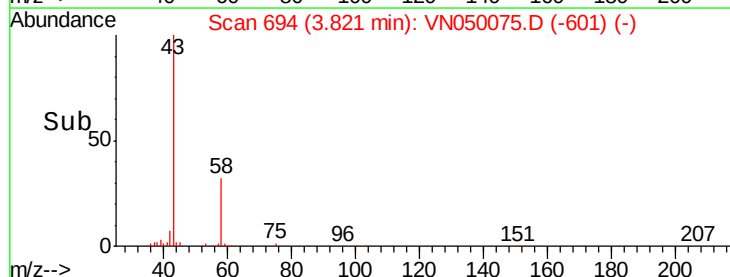
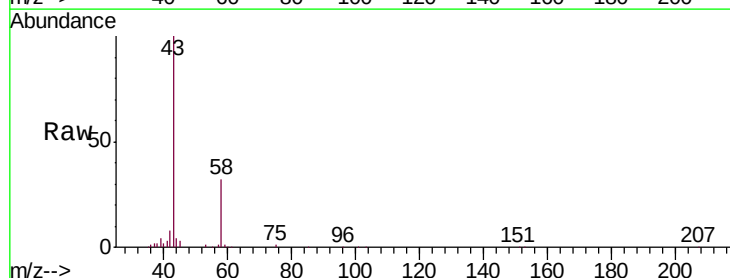
RT: 3.82 min Scan# 694

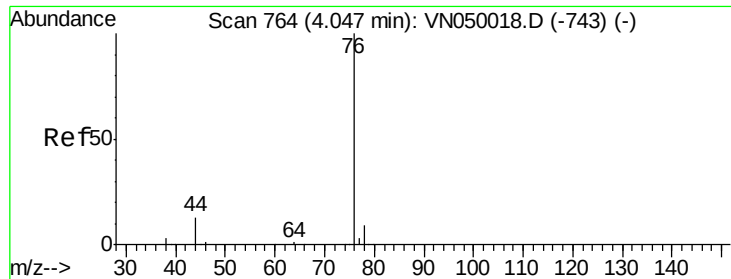
Delta R.T. -0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Tgt Ion:	43	Resp:	229422
Ion	Ratio	Lower	Upper
43	100		
58	32.0	25.8	38.8





#17

Carbon Disulfide

Concen: 17.48 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion: 76 Resp: 422214

Ion Ratio Lower Upper

76 100

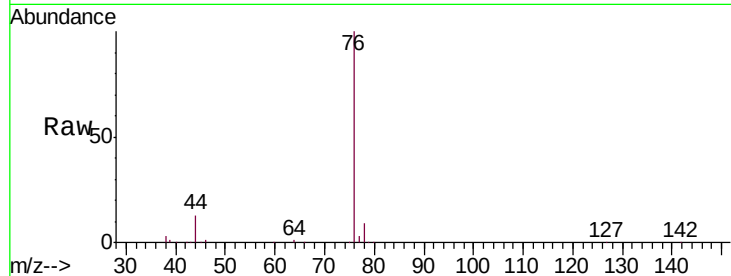
78 8.8 7.3 10.9

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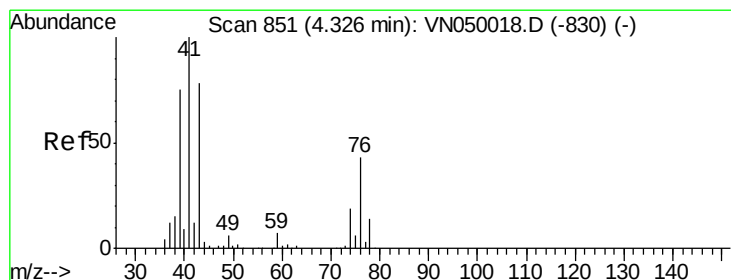
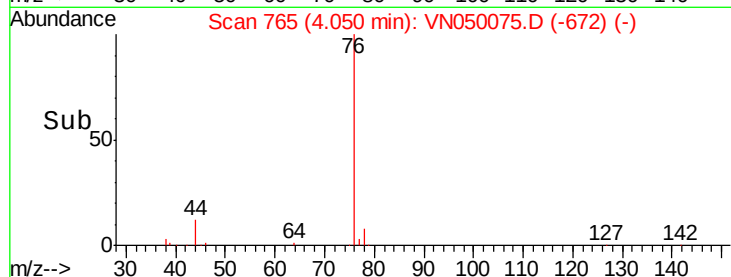
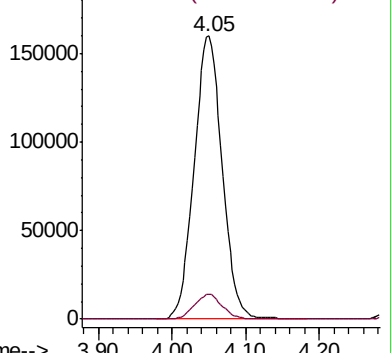
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 19.24 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.01 min

Lab File: VN050075.D

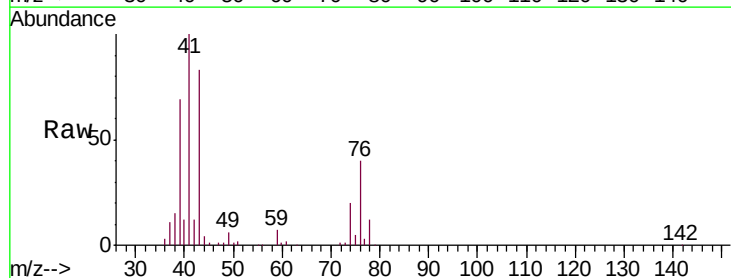
Acq: 26 Jul 2018 12:03

Tgt Ion: 43 Resp: 176962

Ion Ratio Lower Upper

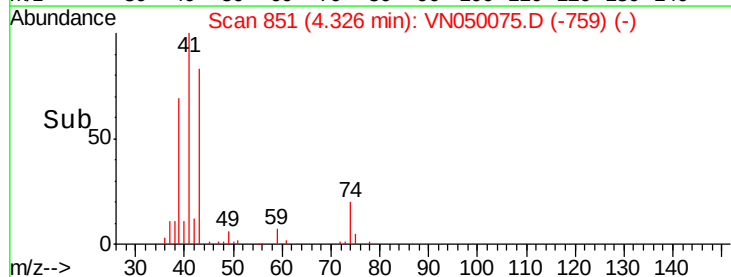
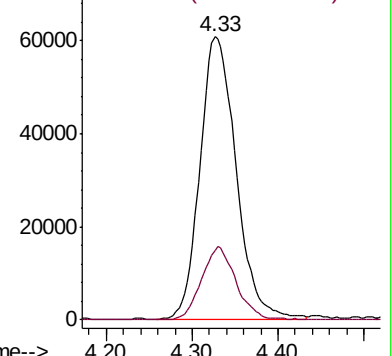
43 100

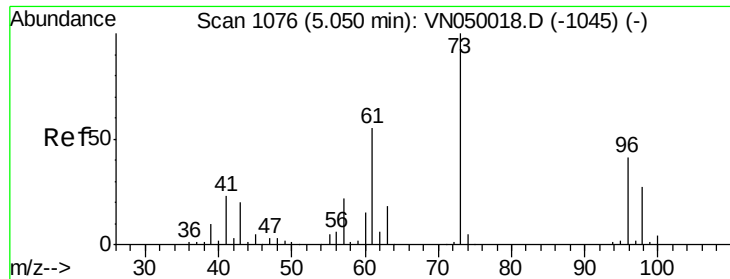
74 24.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





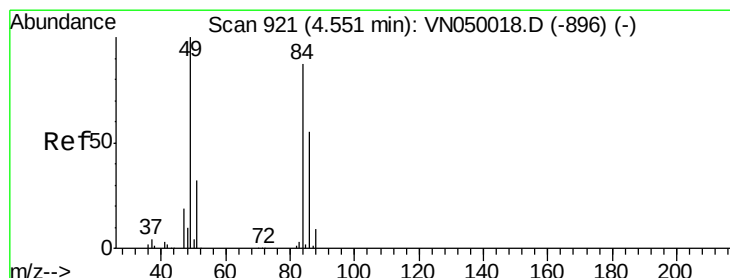
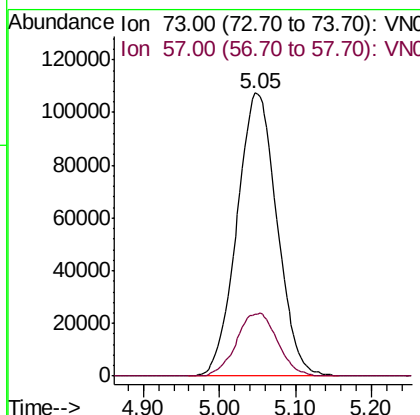
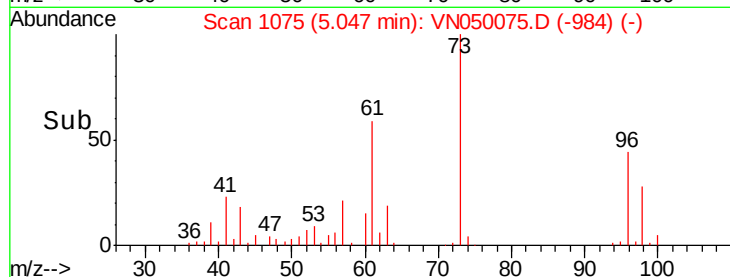
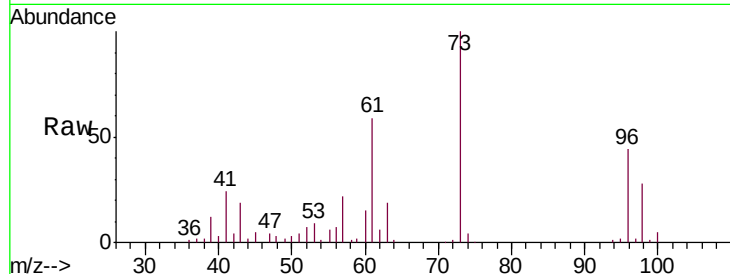
#19
Methyl tert-butyl Ether
Concen: 18.73 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion: 73 Resp: 393473
Ion Ratio Lower Upper
73 100
57 21.8 18.0 27.0

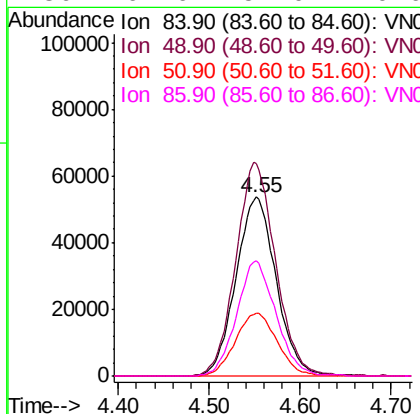
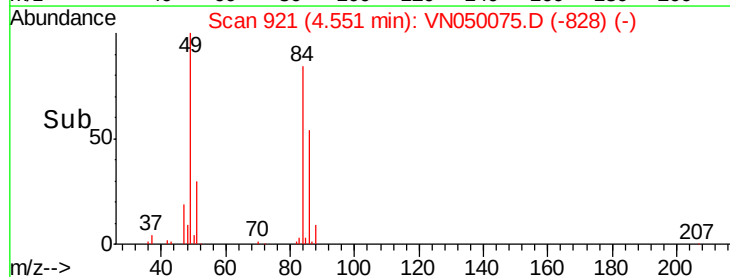
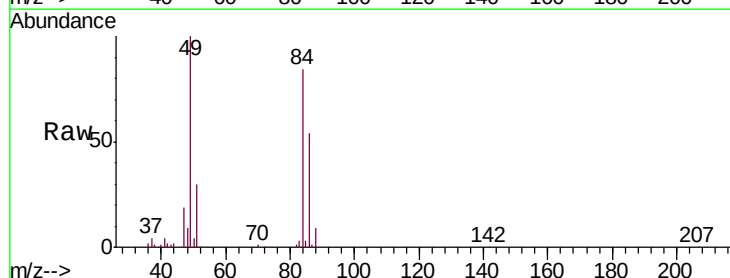
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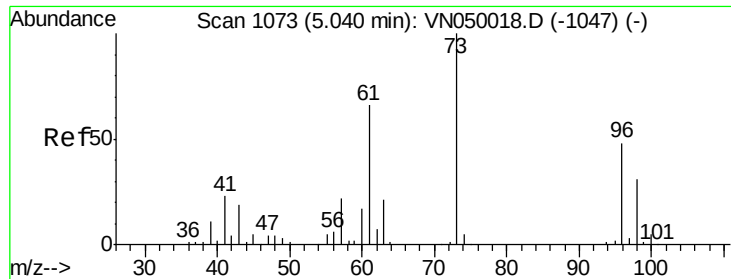
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#20
Methylene Chloride
Concen: 18.71 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Tgt Ion: 84 Resp: 164953
Ion Ratio Lower Upper
84 100
49 119.2 94.8 142.2
51 35.4 28.3 42.5
86 64.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.17 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampled :

VN0726WBS01

Tot Ion: 96 Resp: 151818

Ion Ratio Lower Upper

96 100

61 135.7 110.7 166.1

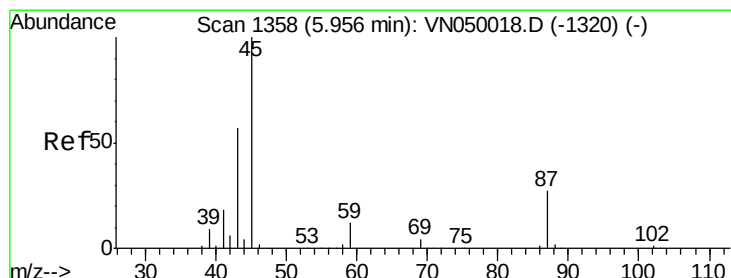
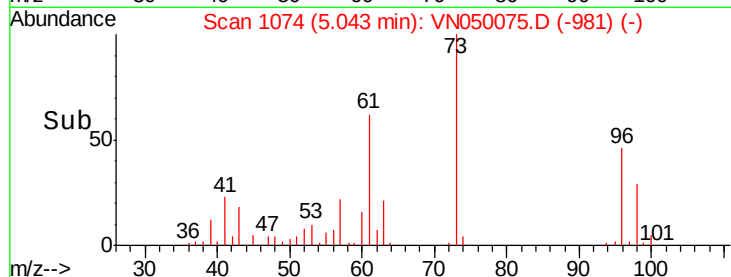
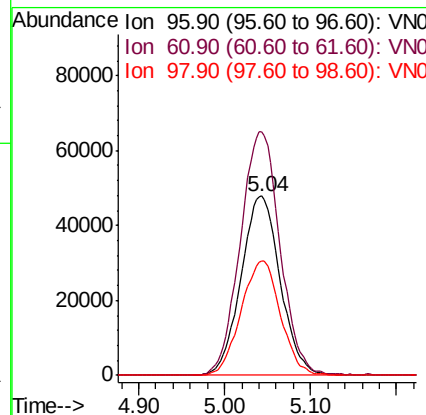
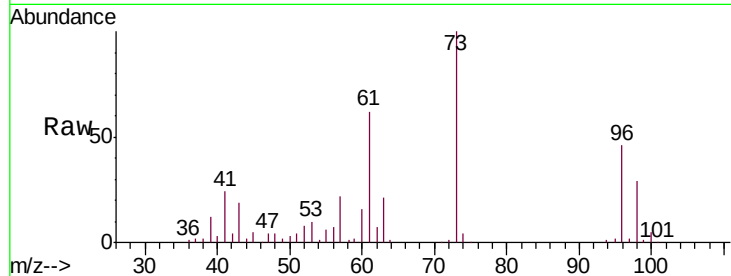
98 63.9 51.6 77.4

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#22

Diisopropyl ether

Concen: 19.63 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Tgt Ion: 45 Resp: 475768

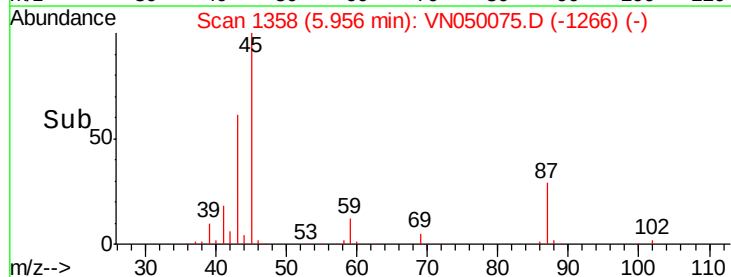
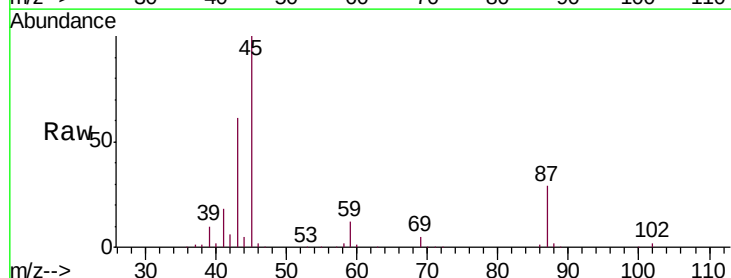
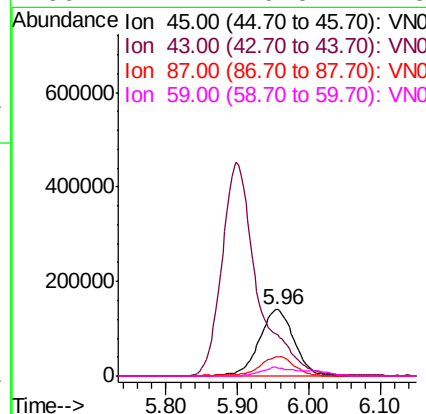
Ion Ratio Lower Upper

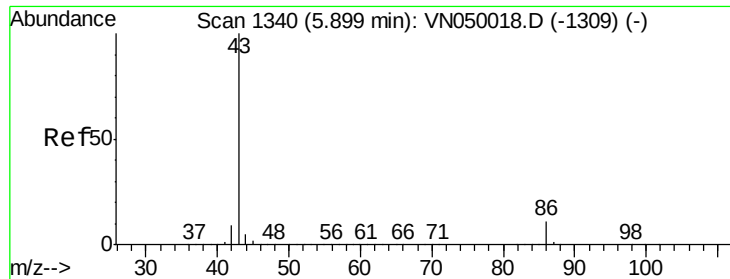
45 100

43 59.5 45.7 68.5

87 29.2 22.7 34.1

59 11.7 9.5 14.3





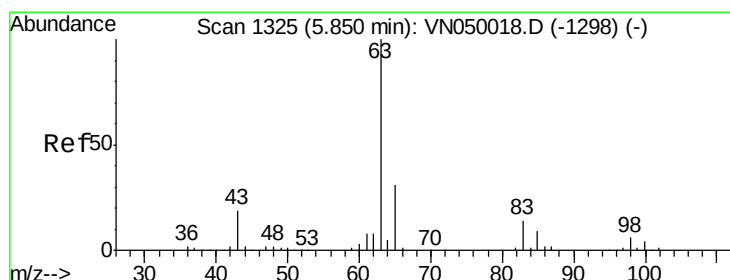
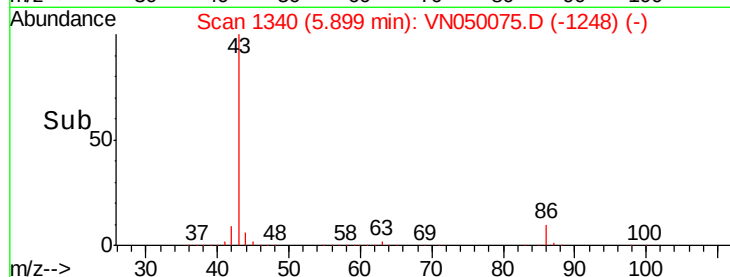
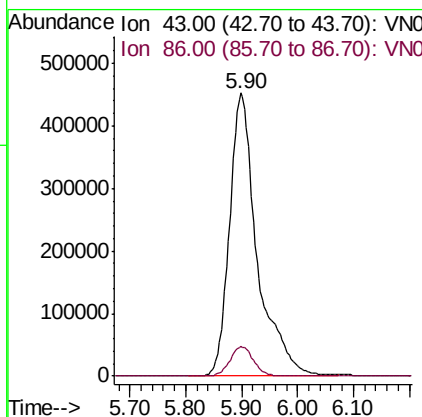
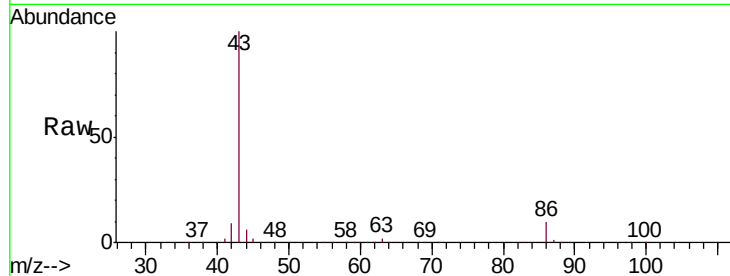
#23
 Vinyl Acetate
 Concen: 91.24 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Instrument :
 MSVOA_N
 ClientSampled :
 VN0726WBS01

Tot Ion: 43 Resp: 1562996
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.6 13.0

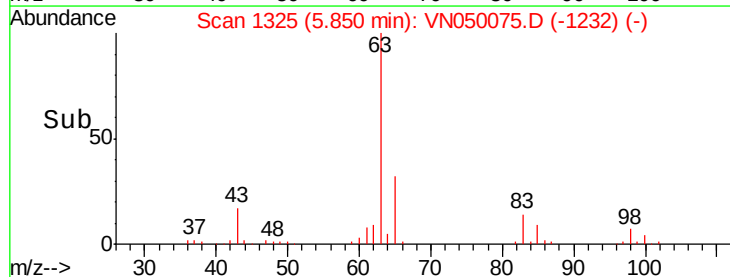
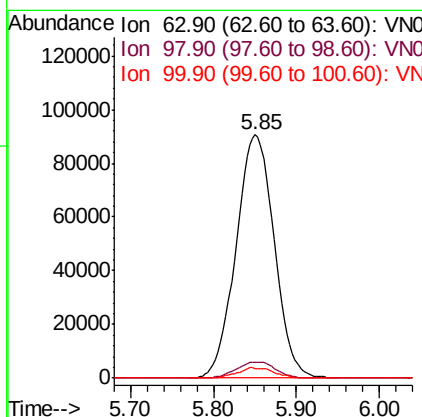
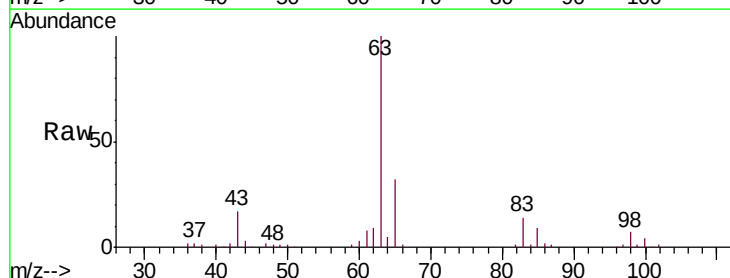
Manual Integrations
 APPROVED

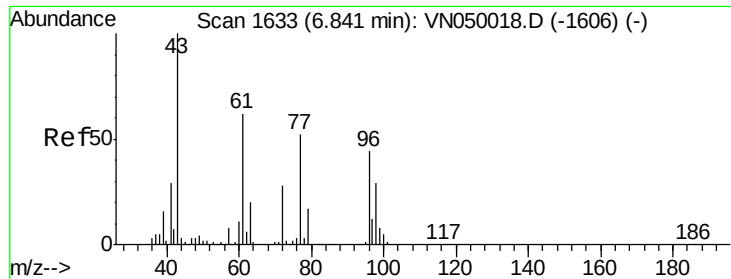
MMDadoda
 7/27/2018 12:15:29 PM



#24
 1,1-Dichloroethane
 Concen: 18.31 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Tgt Ion: 63 Resp: 290283
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 4.1 2.1 6.3





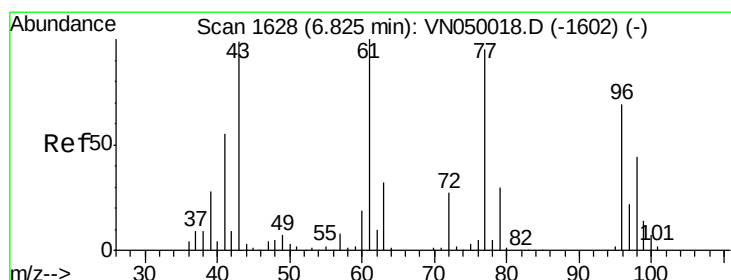
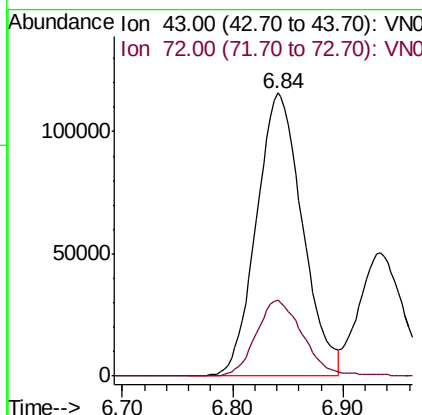
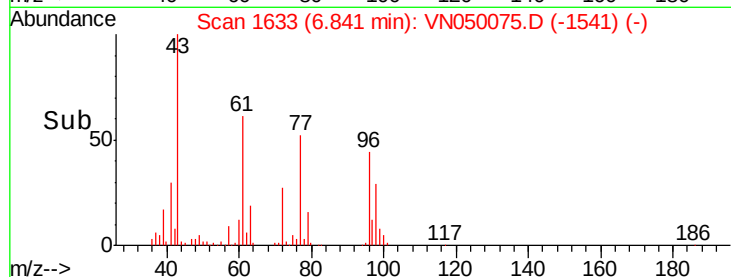
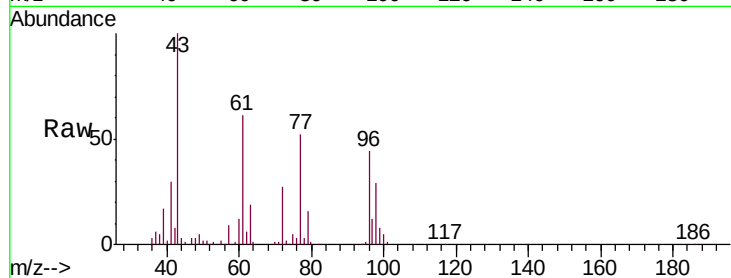
#25
2-Butanone
Concen: 91.39 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion: 43 Resp: 332669
Ion Ratio Lower Upper
43 100
72 27.1 21.5 32.3

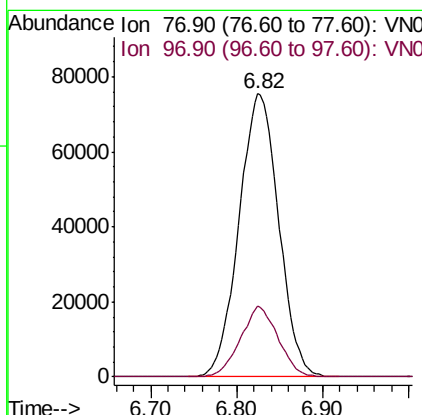
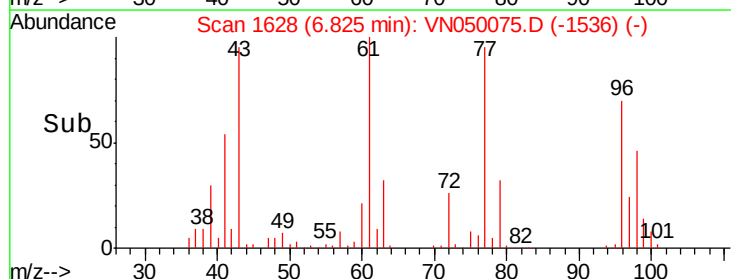
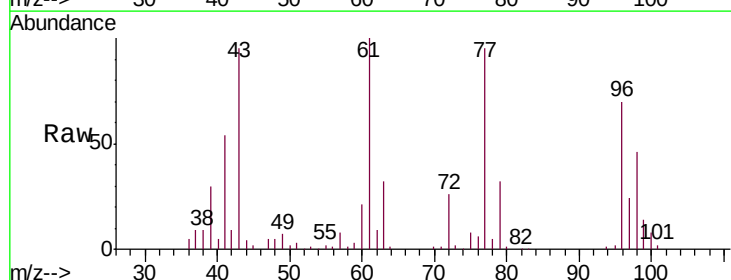
Manual Integrations
APPROVED

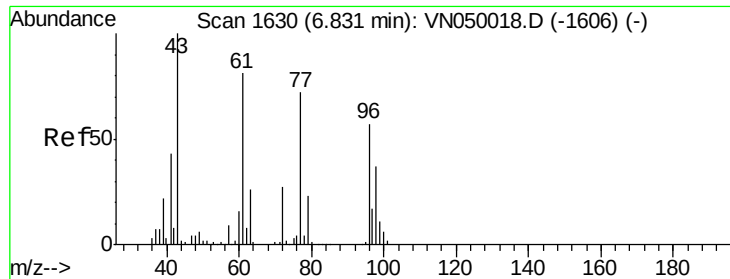
MMDadoda
7/27/2018 12:15:29 PM



#26
2,2-Dichloropropane
Concen: 20.05 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Tgt Ion: 77 Resp: 241790
Ion Ratio Lower Upper
77 100
97 23.6 11.8 35.3





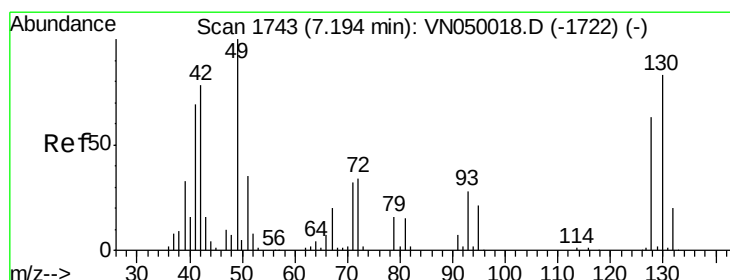
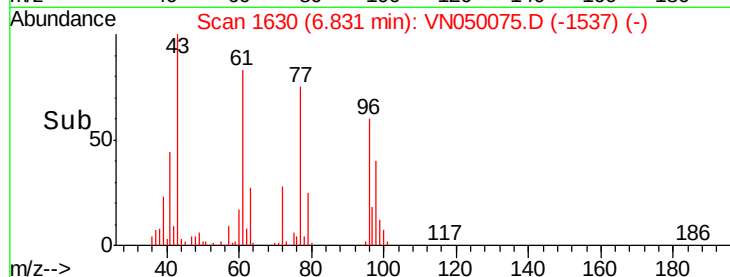
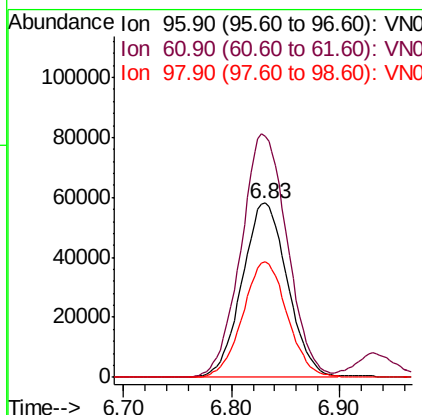
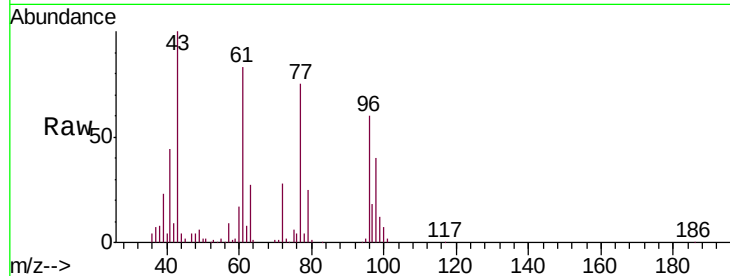
#27
 cis-1,2-Dichloroethene
 Concen: 18.88 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Instrument :
 MSVOA_N
 ClientSampled :
 VN0726WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	285.0
98	65.1	0.0	129.2

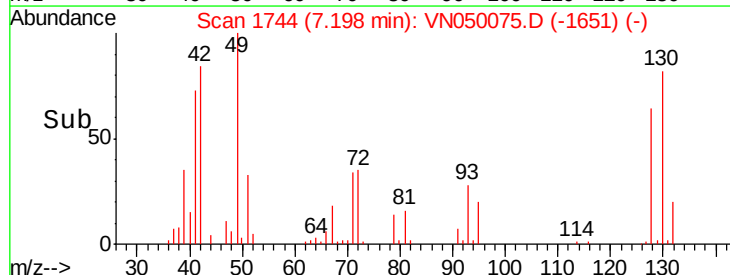
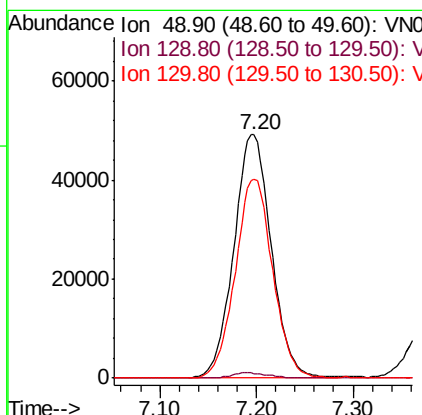
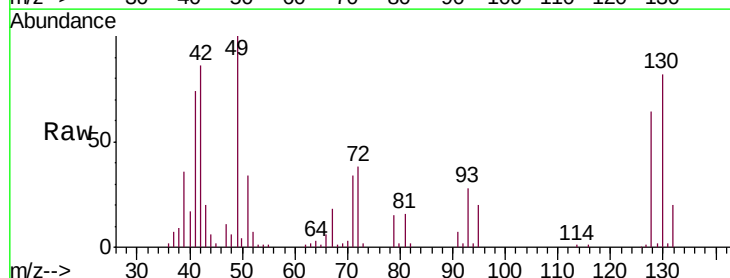
Manual Integrations
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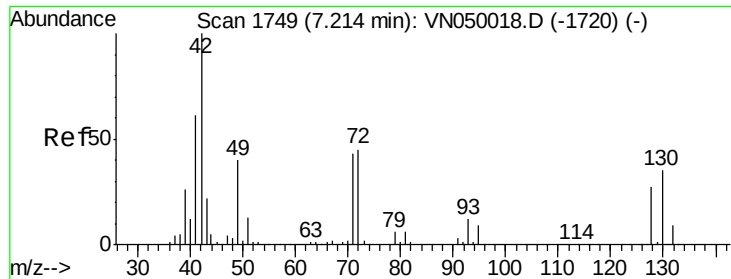
MMDadoda
 7/27/2018 12:15:29 PM



#28
 Bromochloromethane
 Concen: 18.30 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	81.8	66.3	99.5





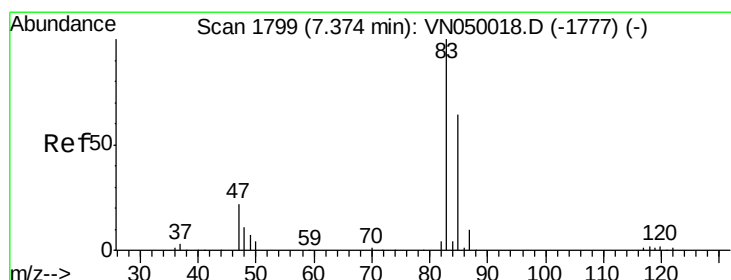
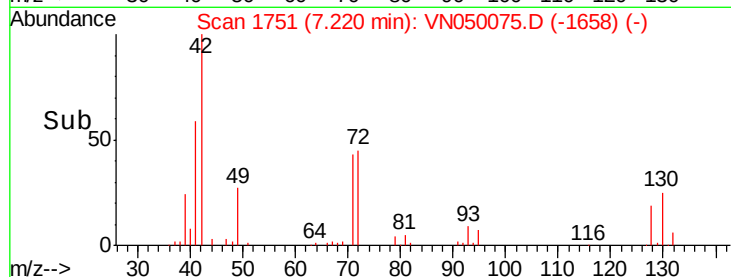
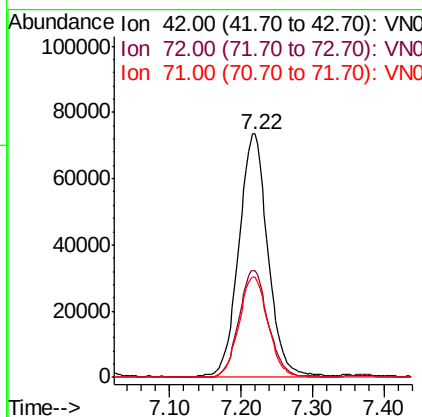
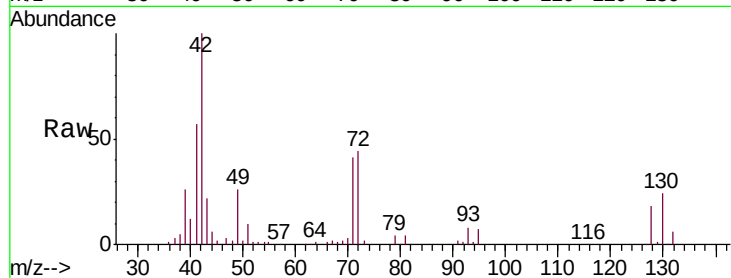
#29
Tetrahydrofuran
Concen: 89.49 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.9	53.9
71	40.8	33.7	50.5

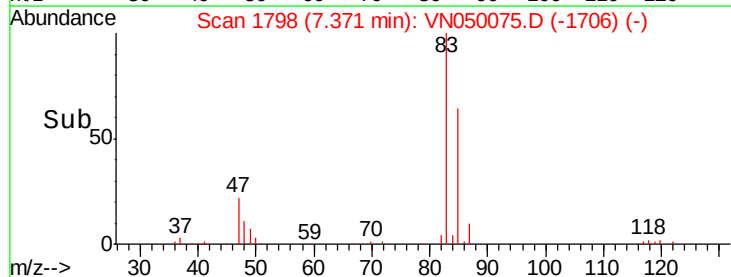
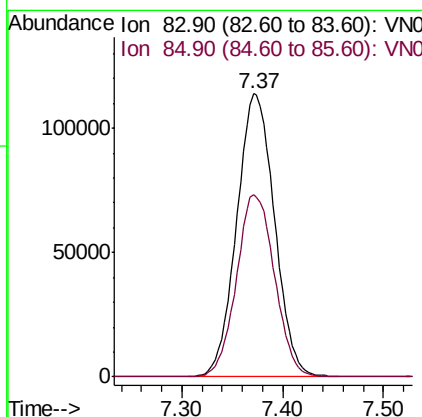
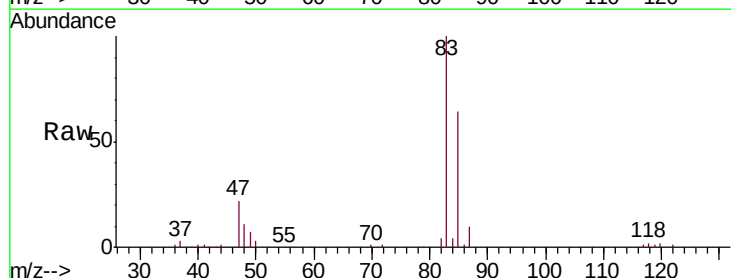
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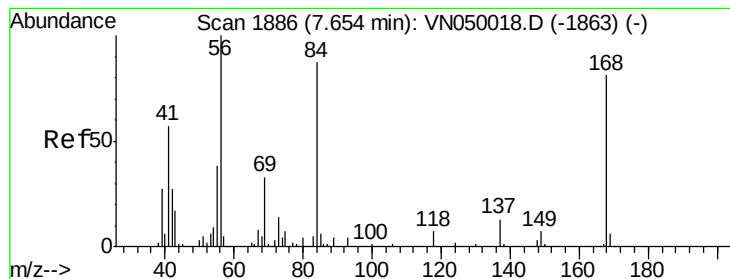
MMDadoda
7/27/2018 12:15:29 PM



#30
Chloroform
Concen: 18.31 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.5	78.7





#31

Cyclohexane

Concen: 18.56 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampled :

VN0726WBS01

Tot Ion: 56 Resp: 244525

Ion Ratio Lower Upper

56 100

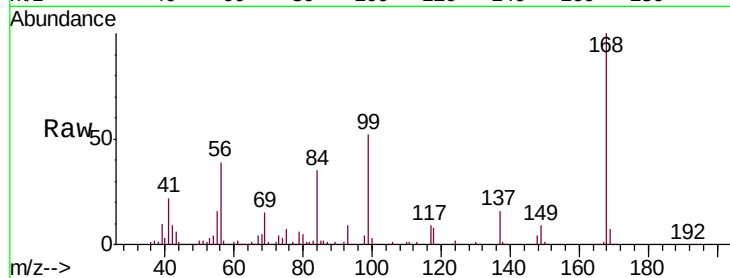
69 37.6 26.2 39.4

84 87.6 67.4 101.0

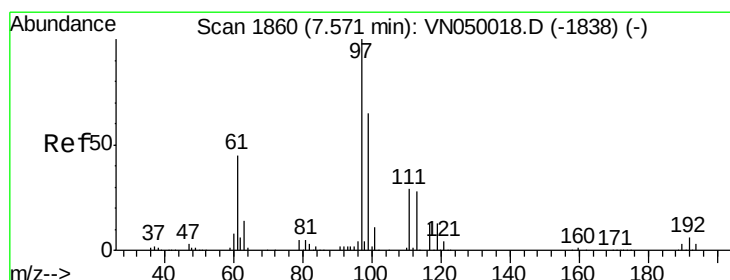
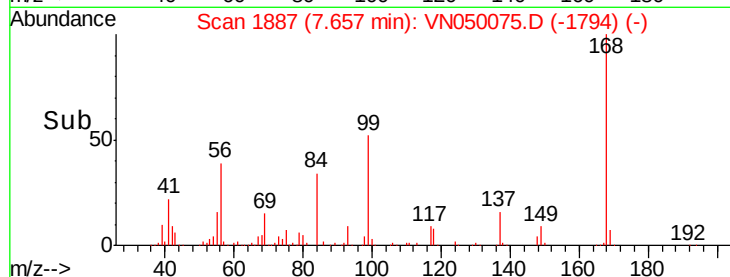
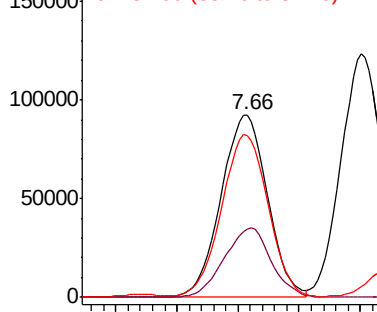
Manual Integrations
APPROVED

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7/27/2018 12:15:29 PM



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



#32

1,1,1-Trichloroethane

Concen: 18.55 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

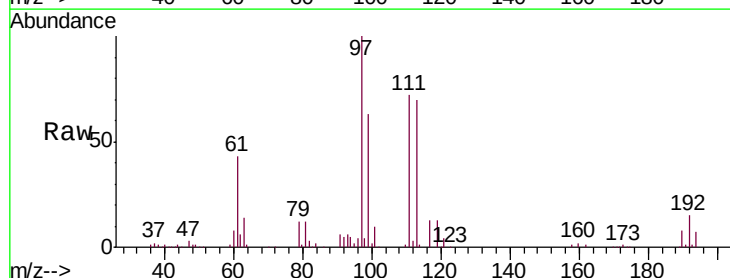
Tgt Ion: 97 Resp: 256631

Ion Ratio Lower Upper

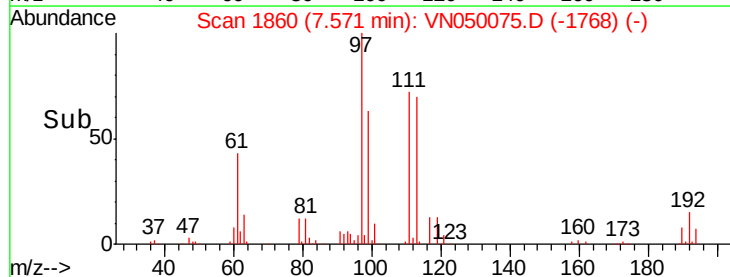
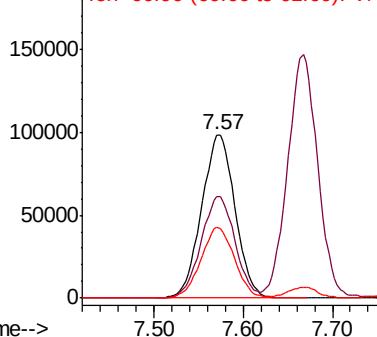
97 100

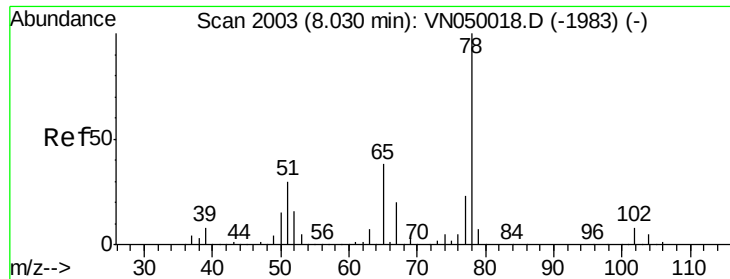
99 63.1 51.4 77.0

61 43.4 35.4 53.0



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





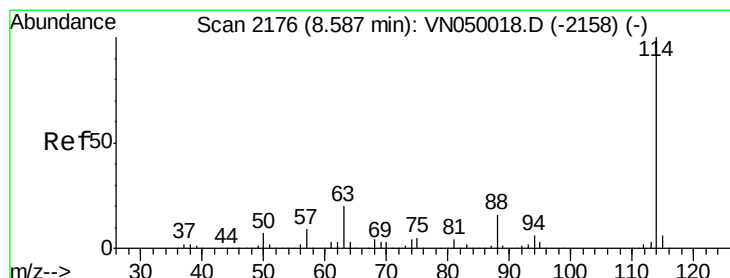
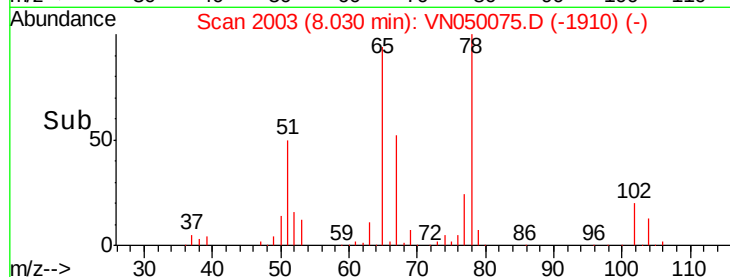
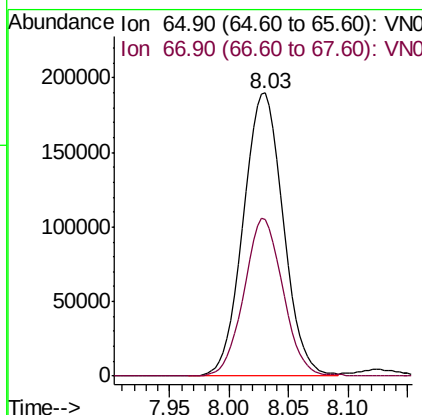
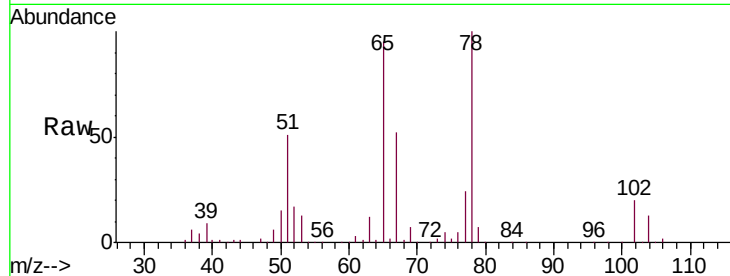
#33
 1,2-Dichloroethane-d4
 Concen: 46.36 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Instrument :
 MSVOA_N
 ClientSampled :
 VN0726WBS01

Tot Ion: 65 Resp: 442444
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.4

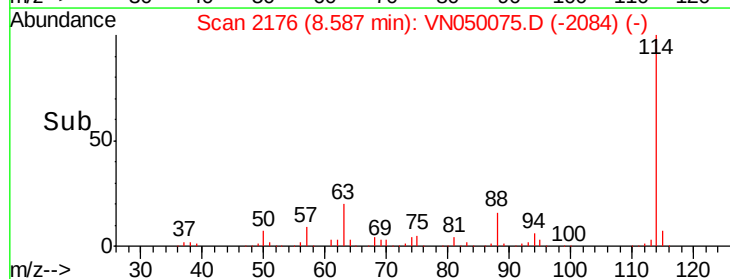
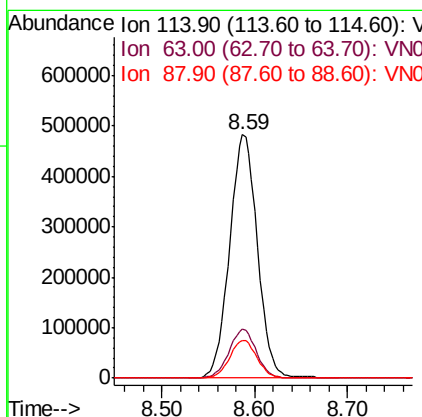
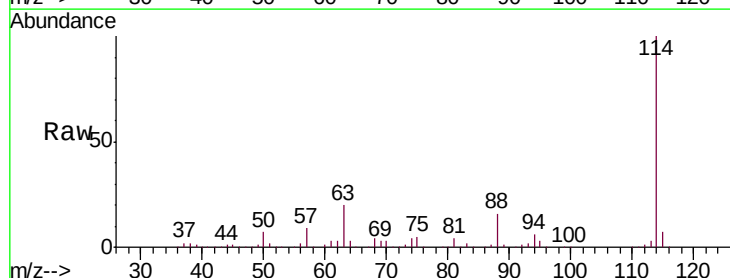
Manual Integrations
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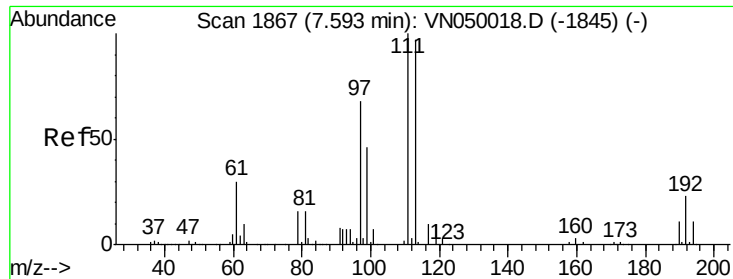
MMDadoda
 7/27/2018 12:15:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Tgt Ion: 114 Resp: 1003228
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.6 0.0 31.2





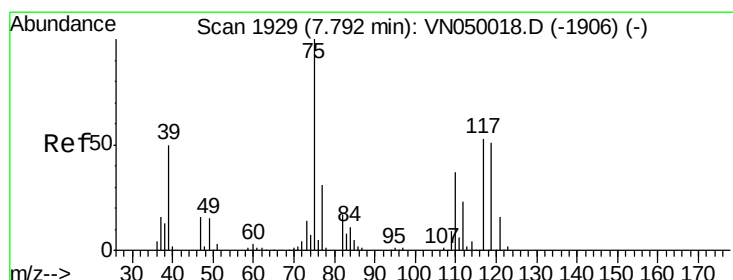
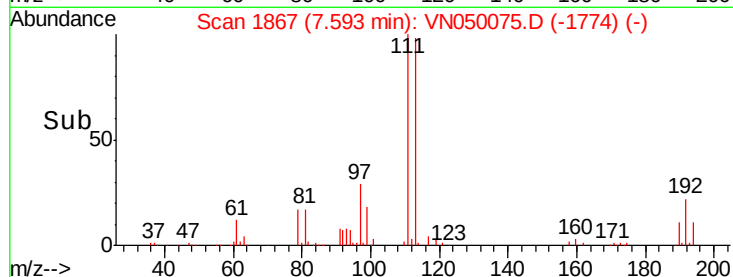
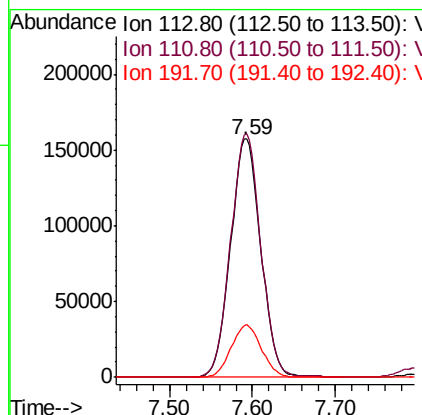
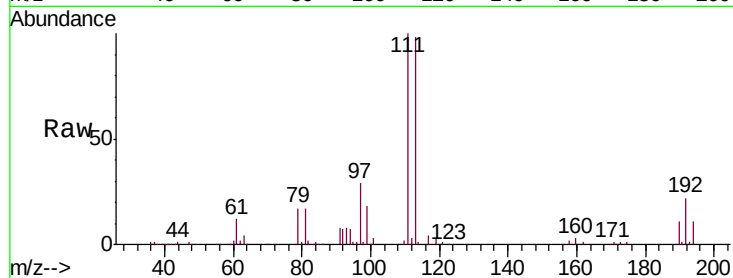
#35
 Dibromofluoromethane
 Concen: 48.79 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	399604		
111	101.6	80.7	121.1	
192	22.1	17.8	26.6	

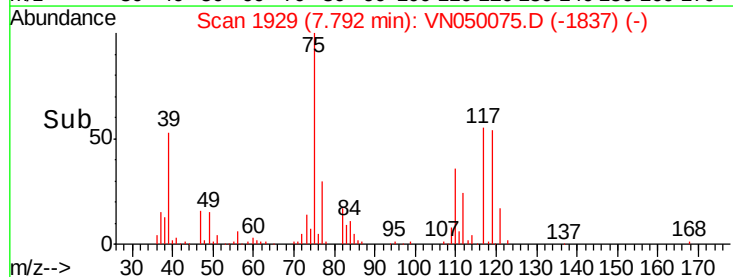
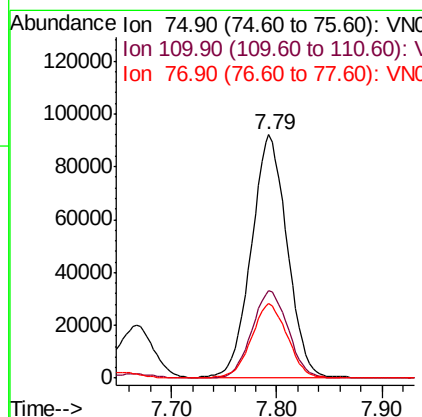
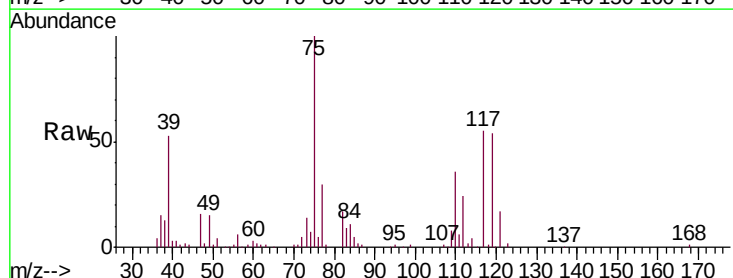
Manual Integrations
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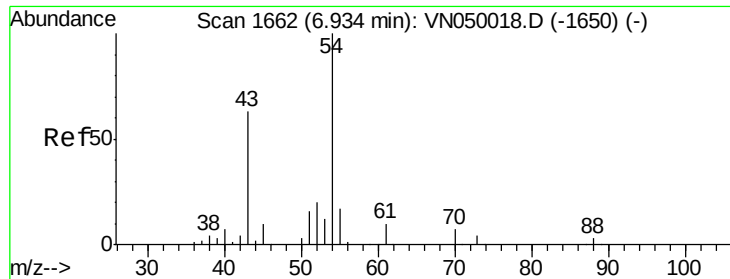
MMDadoda
 7/27/2018 12:15:29 PM



#36
 1,1-Dichloropropene
 Concen: 19.17 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	216679		
110	36.6	18.4	55.2	
77	31.2	25.3	37.9	





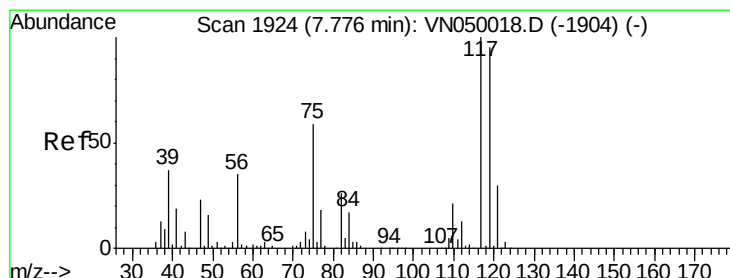
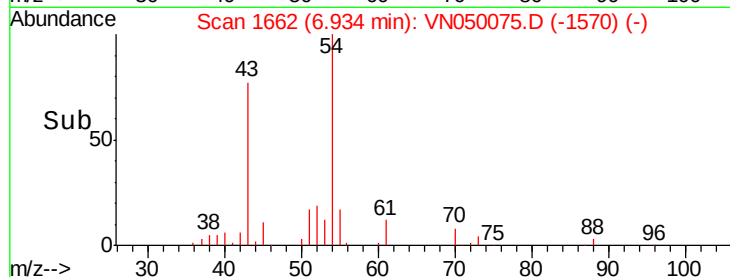
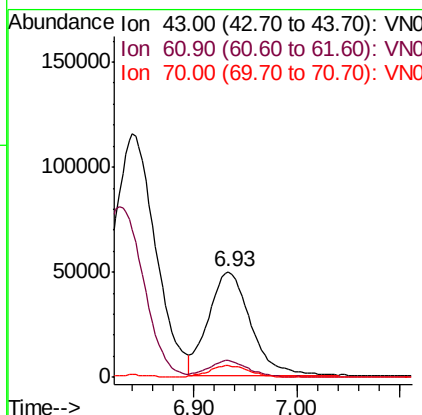
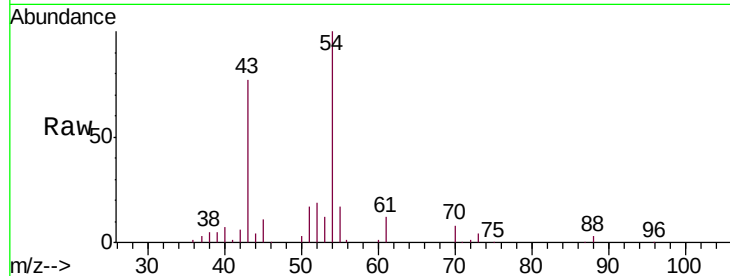
#37
Ethyl Acetate
Concen: 17.81 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion	43	61	70
Resp	140375		
Ratio	100	14.6	11.0
Lower		11.8	8.4
Upper		17.8	12.6

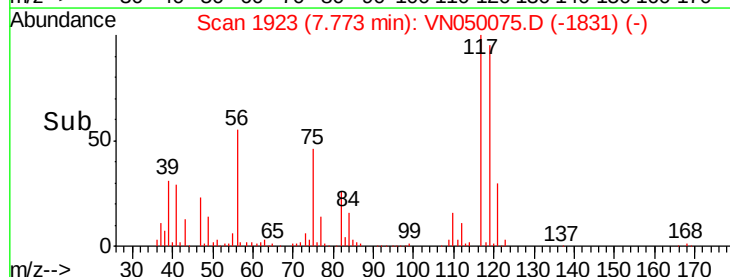
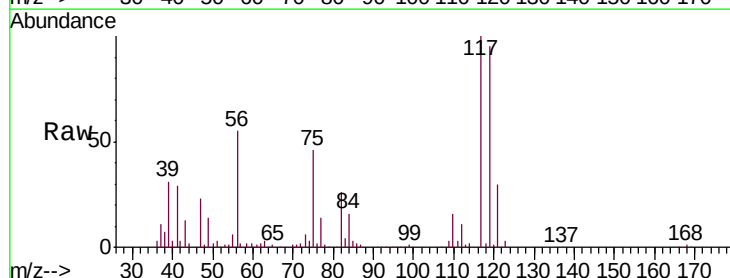
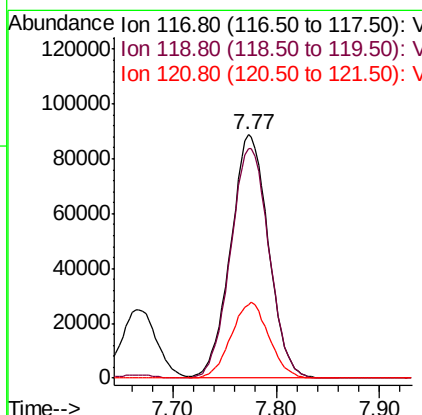
Manual Integrations
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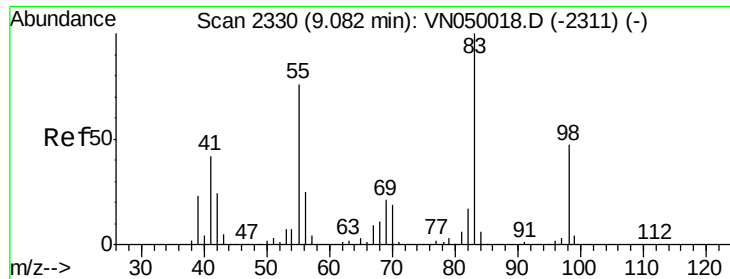
MMDadoda
7/27/2018 12:15:29 PM



#38
Carbon Tetrachloride
Concen: 18.89 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Tgt Ion	117	119	121
Resp	226564		
Ratio	100	94.5	30.4
Lower		77.4	23.9
Upper		116.0	35.9





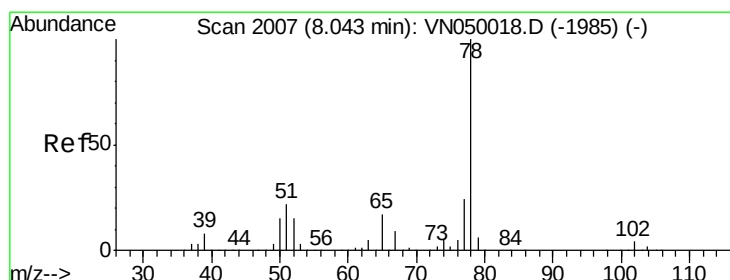
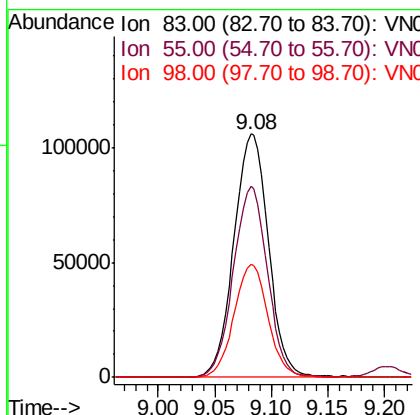
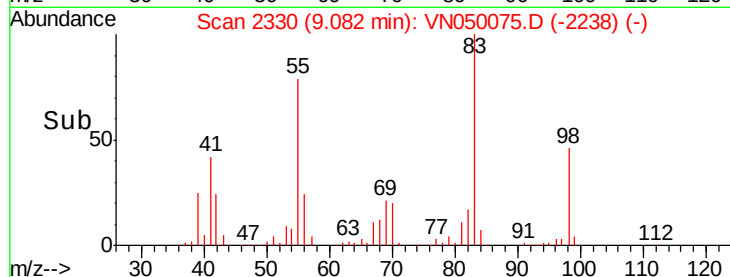
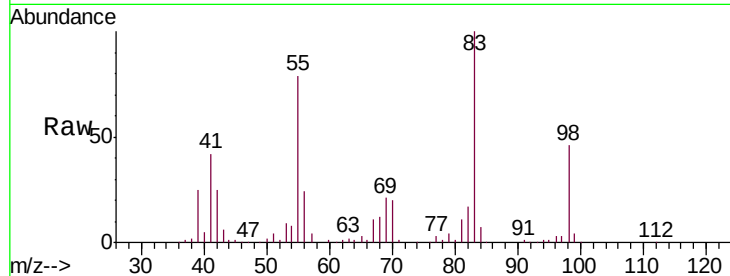
#39
Methylvlcyclohexane
Concen: 19.43 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	225942		
55	78.7	61.8	92.8	
98	46.2	36.5	54.7	

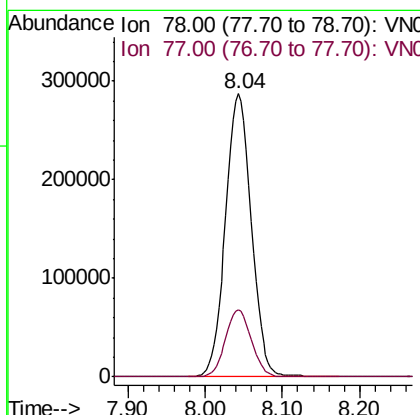
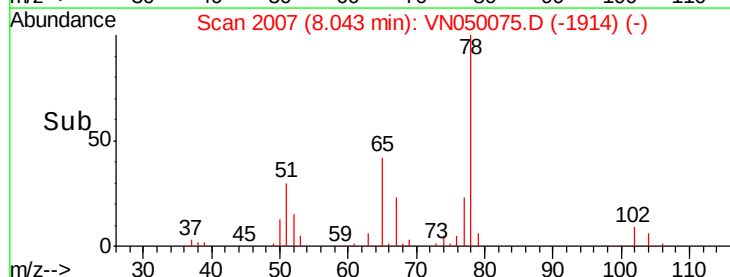
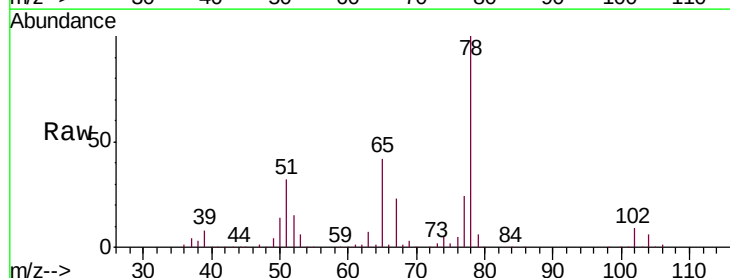
Manual Integrations
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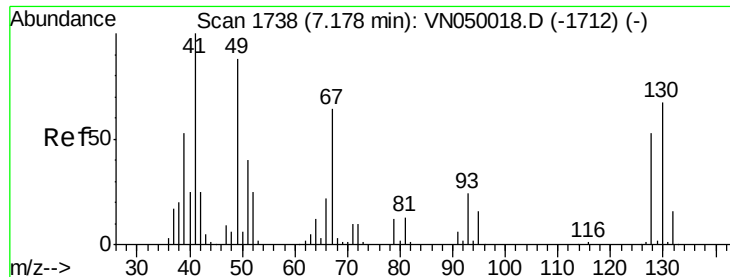
MMDadoda
7/27/2018 12:15:29 PM



#40
Benzene
Concen: 19.33 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	664699		
77	23.7	18.7	28.1	





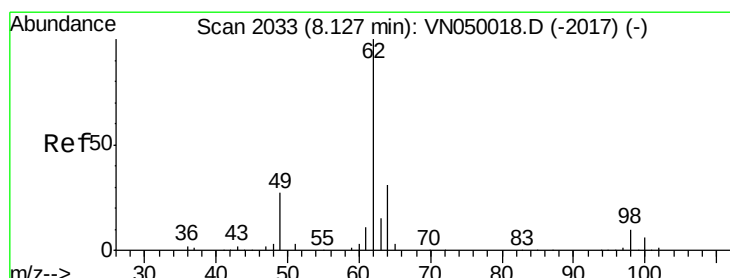
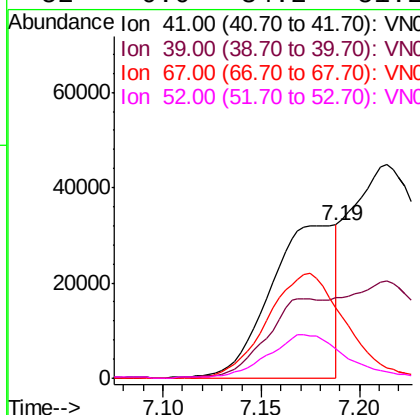
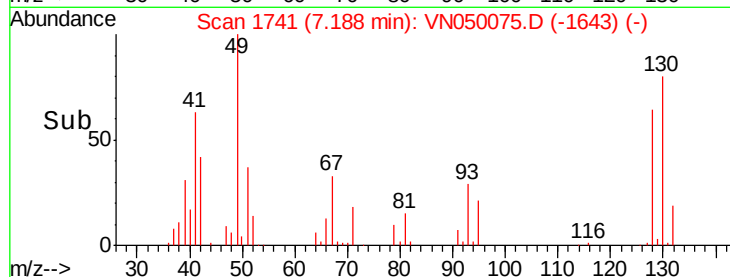
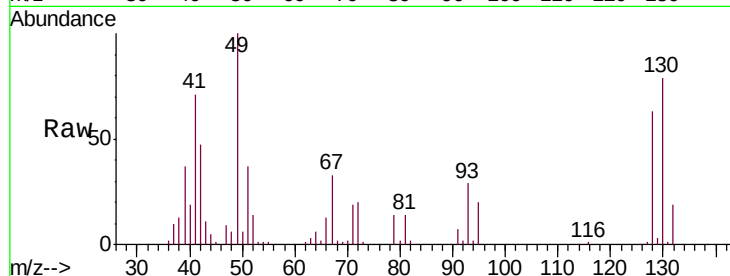
#41
Methacrylonitrile
Concen: 19.88 ug/l m
RT: 7.19 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.8	83.6#
67	0.0	84.3	126.5#
52	0.0	34.2	51.2#

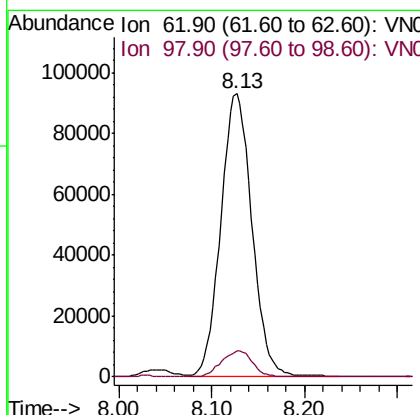
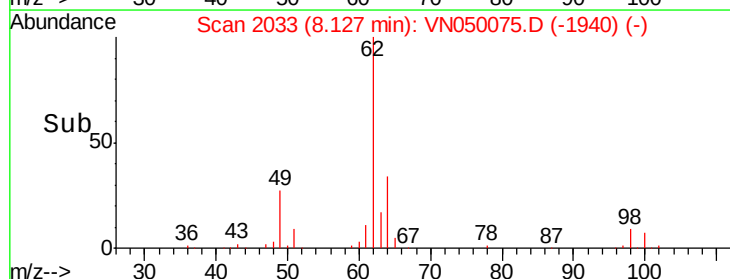
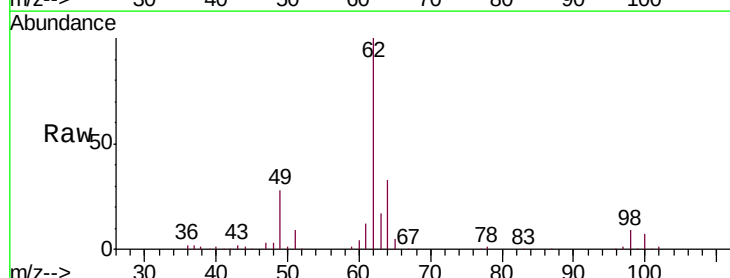
Manual Integrations
APPROVED

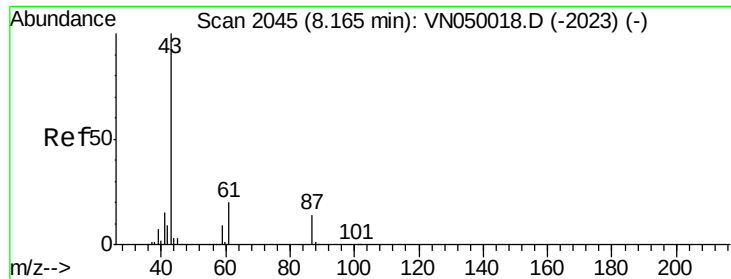
MMDadoda
7/27/2018 12:15:29 PM



#42
1,2-Dichloroethane
Concen: 18.81 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.8





#43

Isopropyl Acetate

Concen: 18.47 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

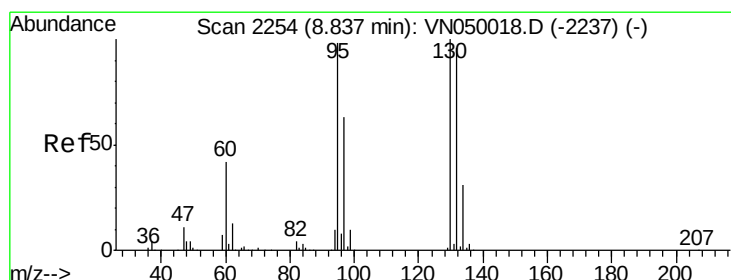
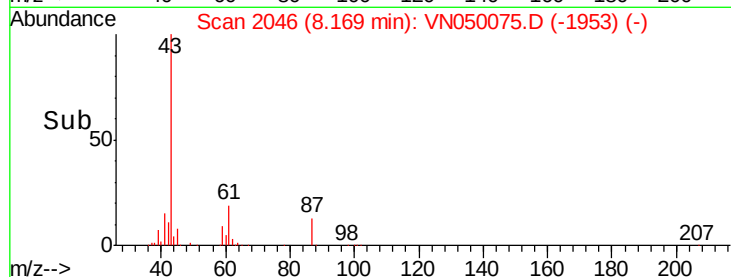
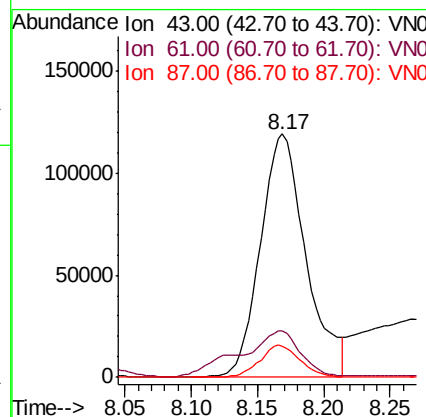
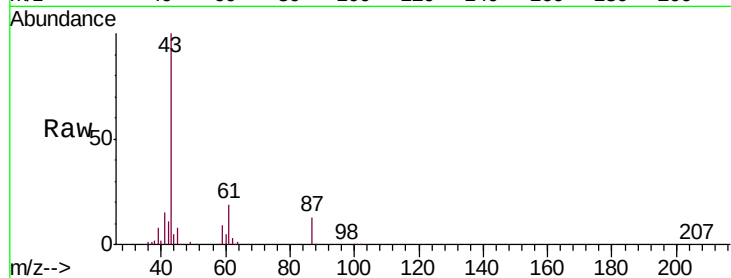
ClientSampleId :

VN0726WBS01

Tot Ion:	43	Resp:	284929
Ion	Ratio	Lower	Upper
43	100		
61	17.0	15.8	23.6
87	11.8	10.3	15.5

Manual Integrations
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#44

Trichloroethene

Concen: 18.88 ug/l

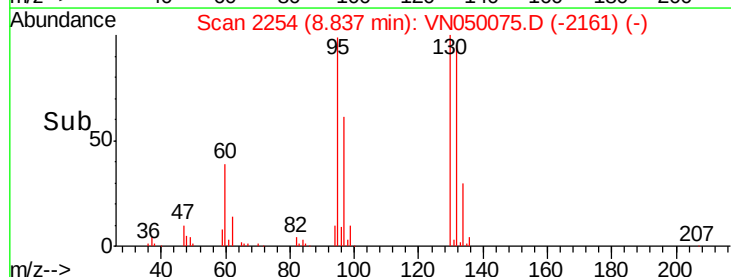
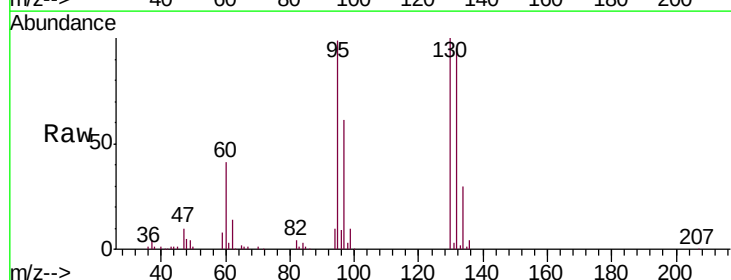
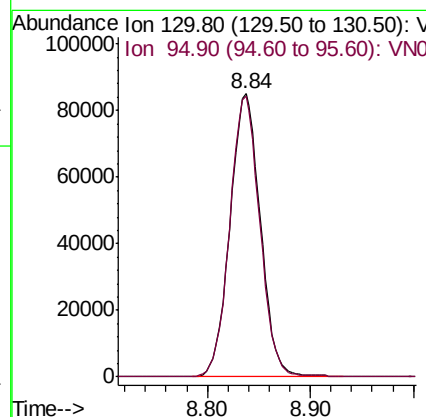
RT: 8.84 min Scan# 2254

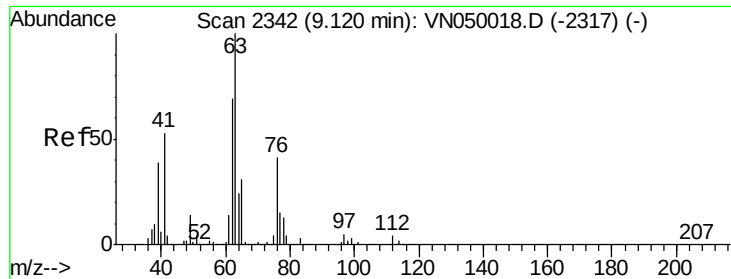
Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Tgt Ion:	130	Resp:	174509
Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	194.6





#45

1,2-Dichloropropane

Concen: 19.36 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion: 63 Resp: 176385

Ion Ratio Lower Upper

63 100

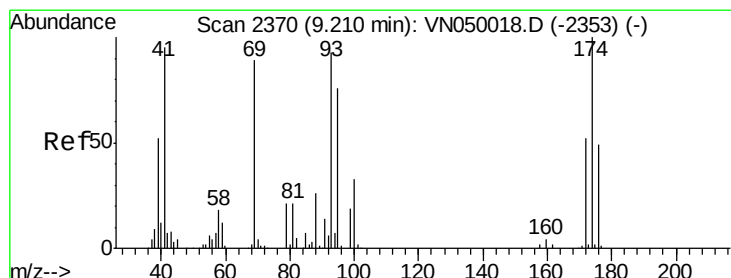
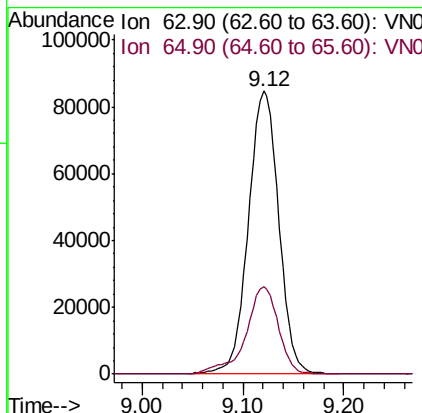
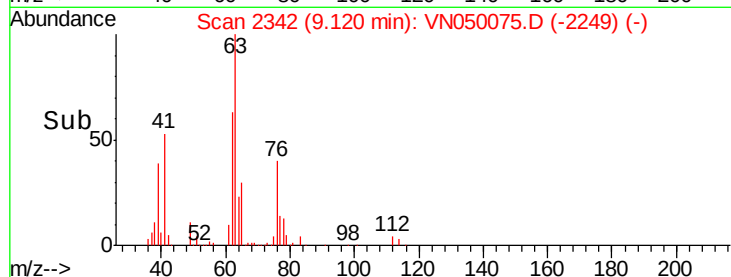
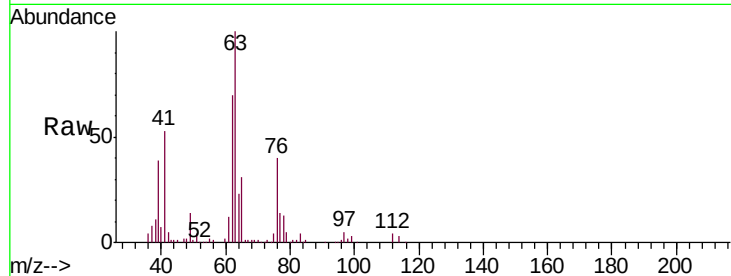
65 30.7 25.5 38.3

Manual Integrations

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7/27/2018 12:15:29 PM



#46

Dibromomethane

Concen: 18.64 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

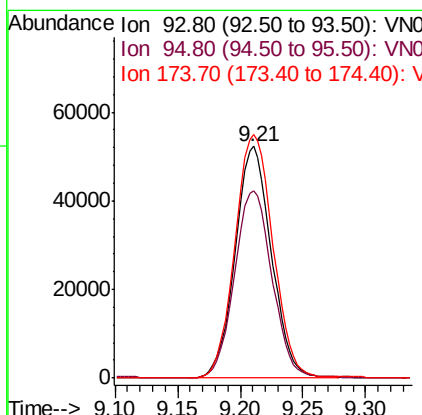
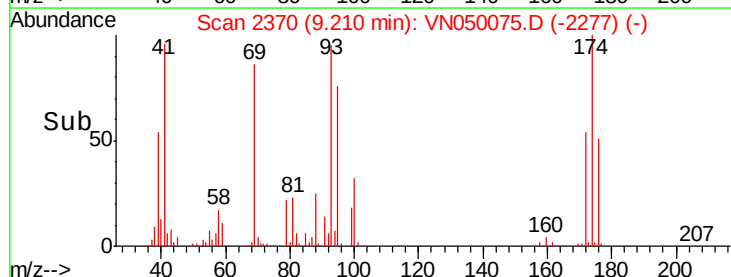
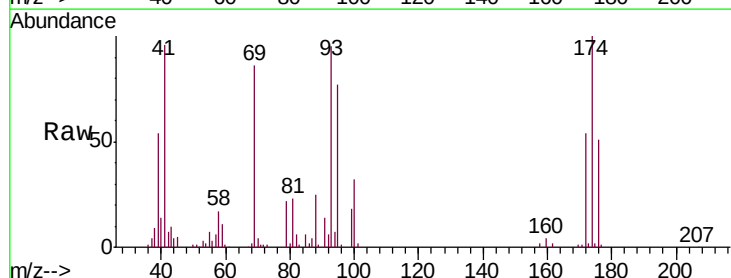
Tgt Ion: 93 Resp: 105419

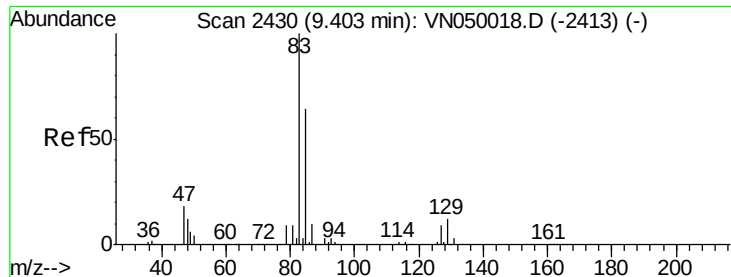
Ion Ratio Lower Upper

93 100

95 83.7 66.6 100.0

174 110.5 87.1 130.7





#47

Bromodichloromethane

Concen: 18.87 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

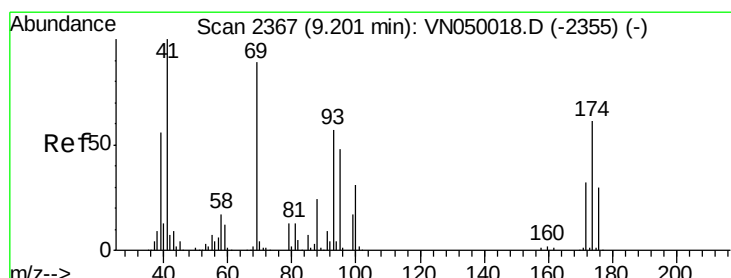
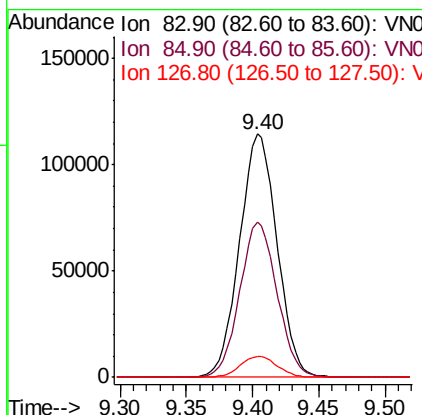
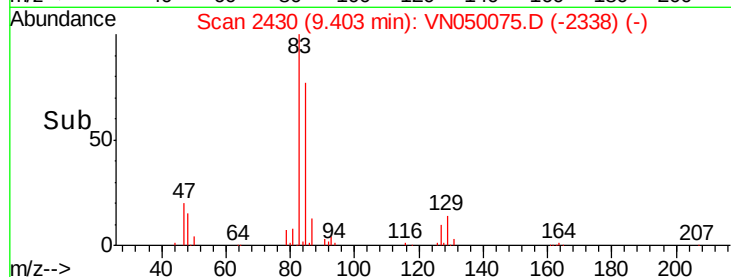
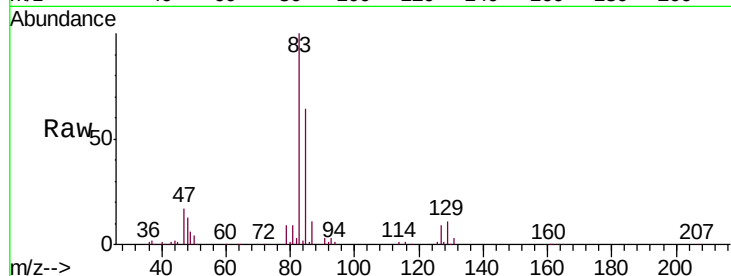
ClientSampleId :

VN0726WBS01

Tot Ion:	83	Resp:	225275
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.1	76.7
127	8.7	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.36 ug/l

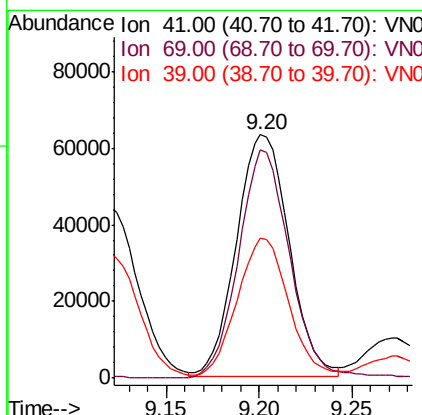
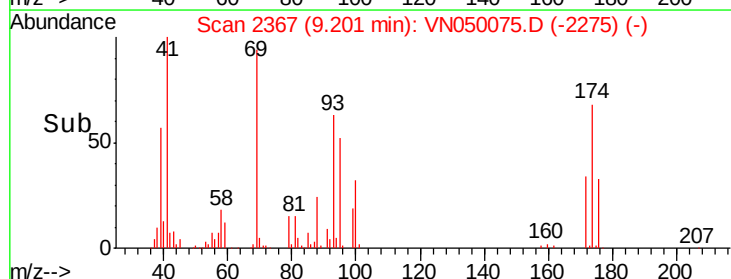
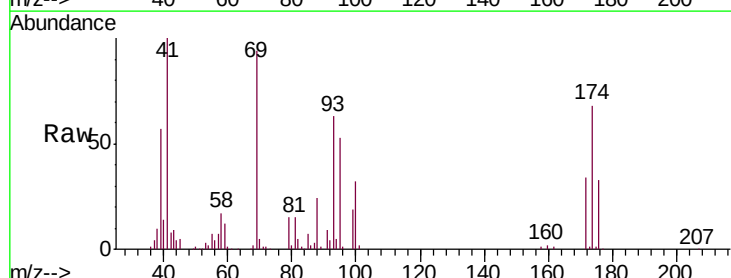
RT: 9.20 min Scan# 2367

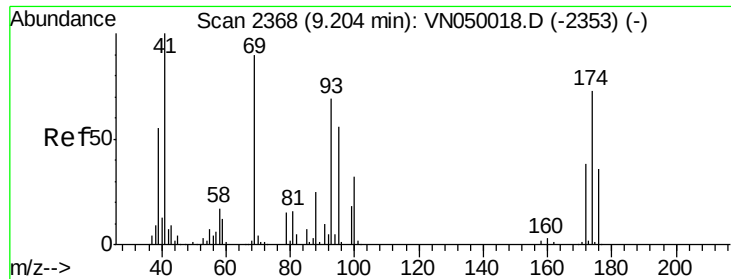
Delta R.T. -0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Tgt Ion:	41	Resp:	124592
Ion Ratio	Lower	Upper	
41	100		
69	92.2	70.6	105.8
39	56.8	43.9	65.9





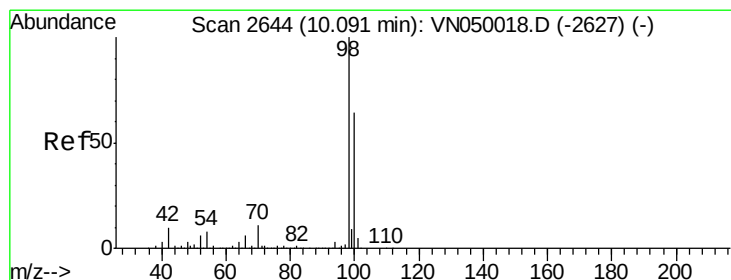
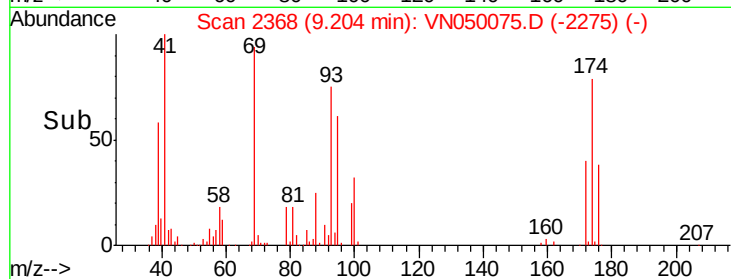
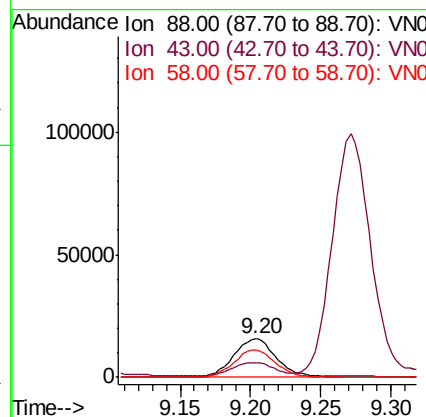
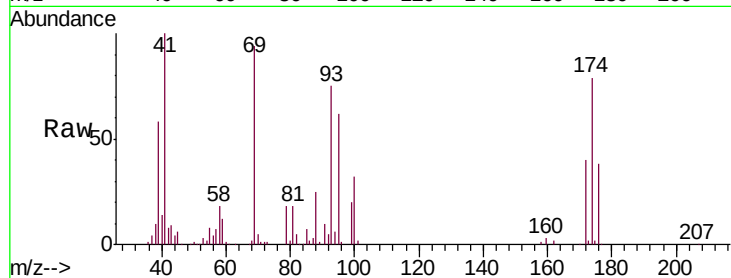
#49
1,4-Dioxane
Concen: 358.67 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Instrument :
MSVOA_N
ClientSampled :
VN0726WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.9	40.3
58	69.1	57.3	85.9

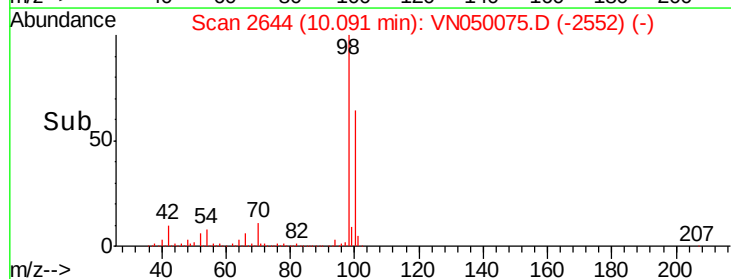
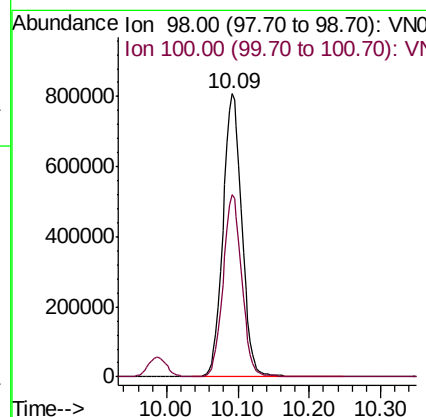
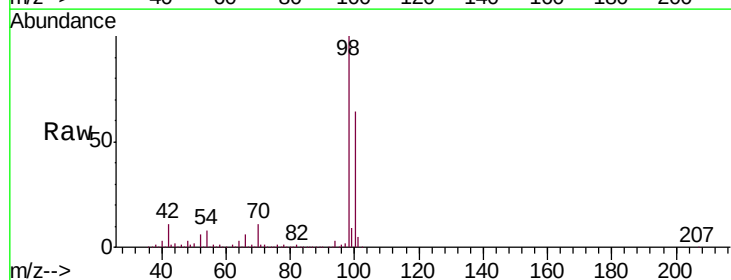
Manual Integrations
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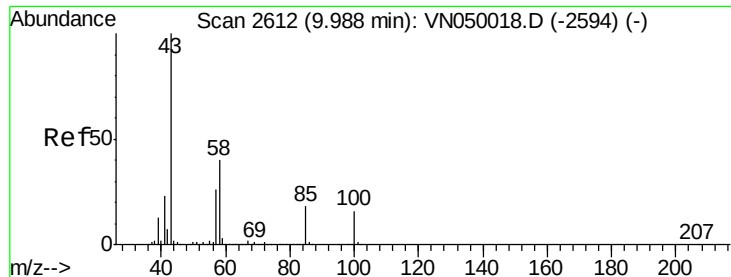
MMDadoda
7/27/2018 12:15:29 PM



#50
Toluene-d8
Concen: 49.10 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.7	76.1





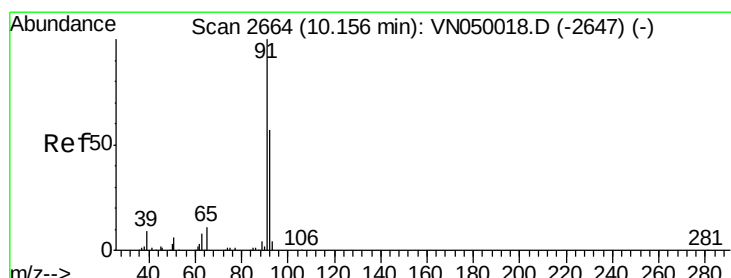
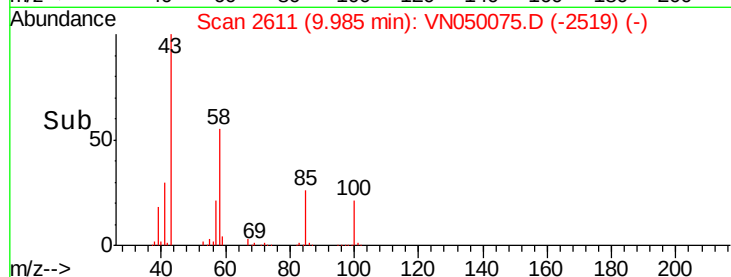
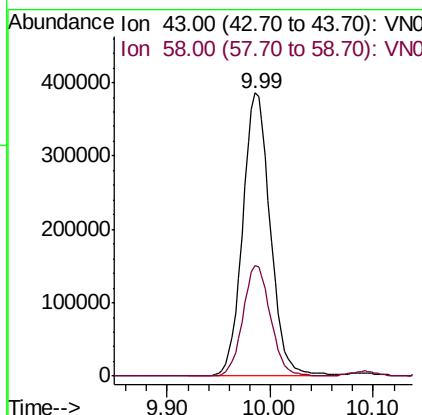
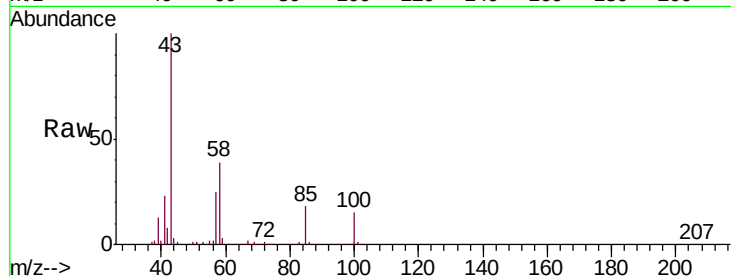
#51
4-Methyl-2-Pentanone
Concen: 92.13 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion	43	Resp	713718
Ion Ratio	100	Lower	Upper
43	100		
58	39.3	31.9	47.9

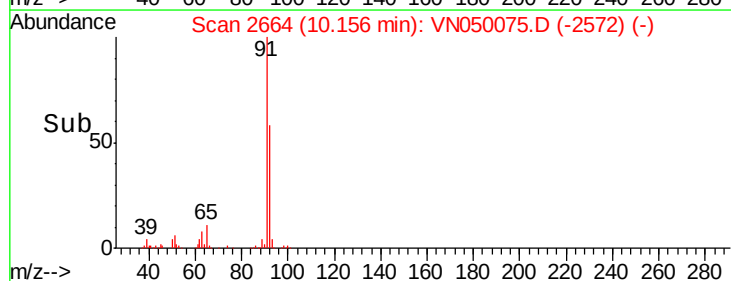
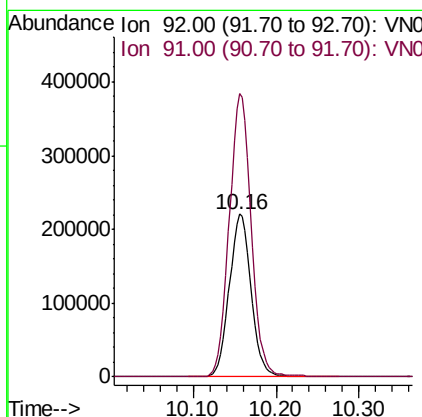
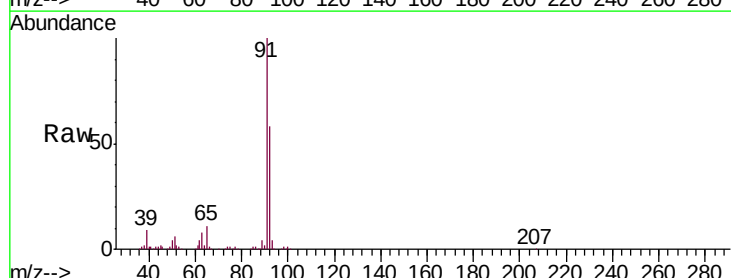
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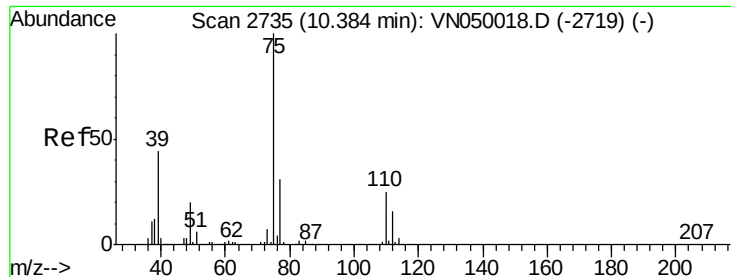
MMDadoda
7/27/2018 12:15:29 PM



#52
Toluene
Concen: 19.99 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Tgt Ion	92	Resp	405747
Ion Ratio	100	Lower	Upper
92	100		
91	174.8	140.3	210.5





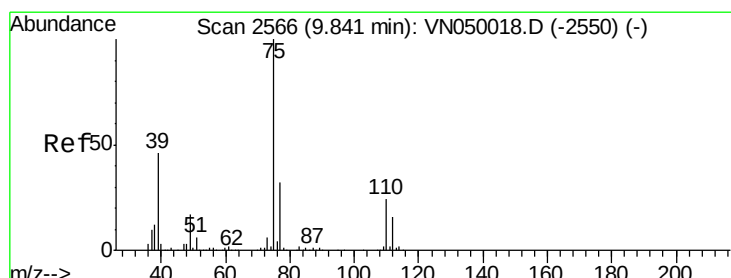
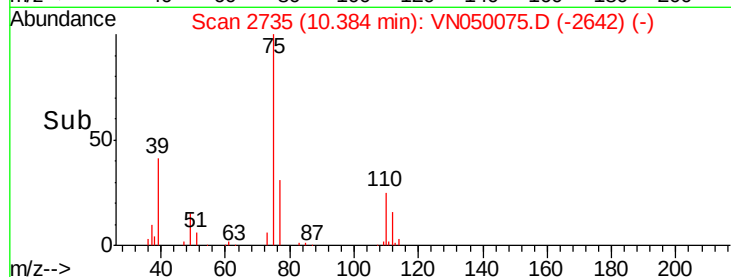
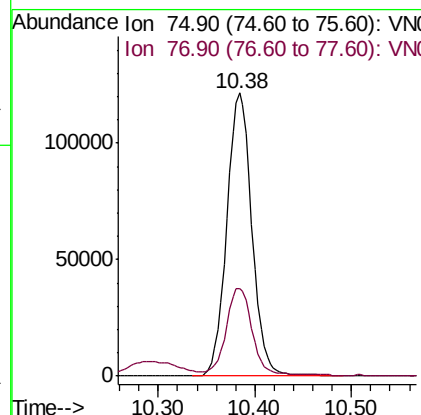
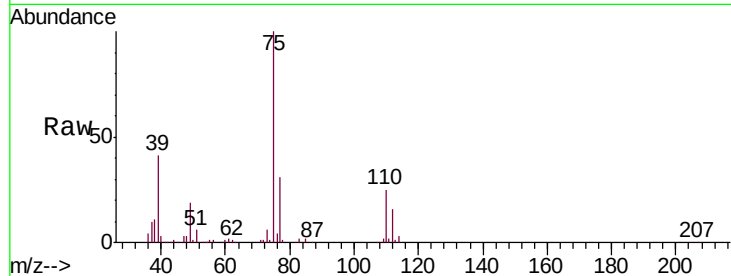
#53
t-1,3-Dichloropropene
Concen: 19.45 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Instrument :
MSVOA_N
ClientSampled :
VN0726WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.9	37.3

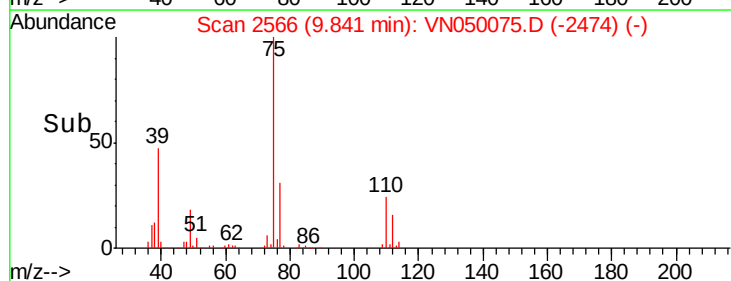
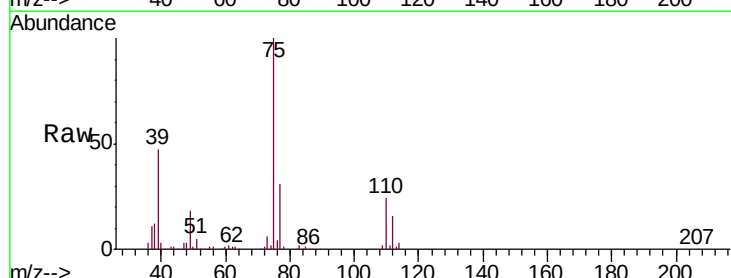
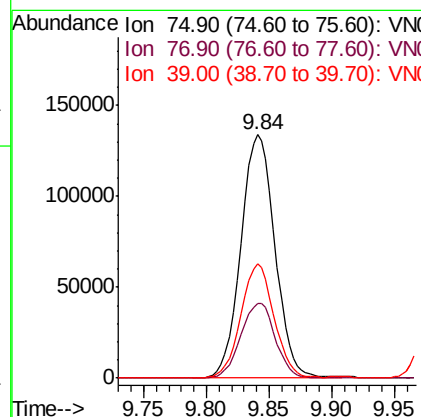
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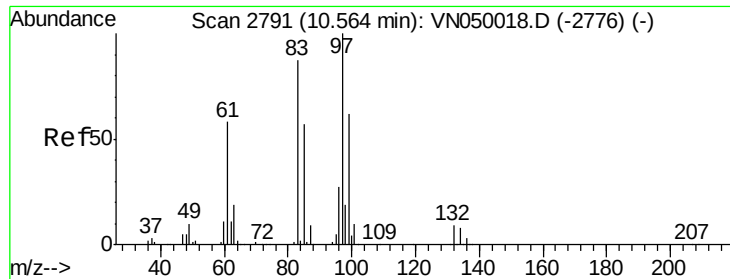
MMDadoda
7/27/2018 12:15:29 PM



#54
cis-1,3-Dichloropropene
Concen: 19.64 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.5	38.3
39	46.8	36.6	55.0





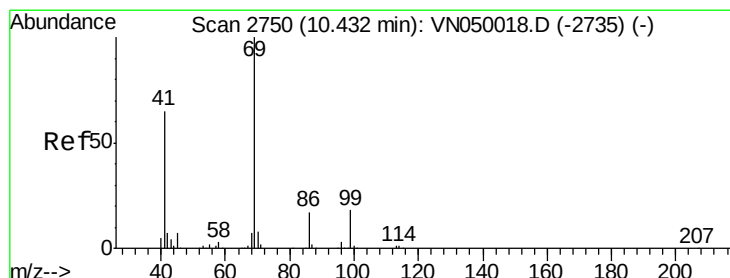
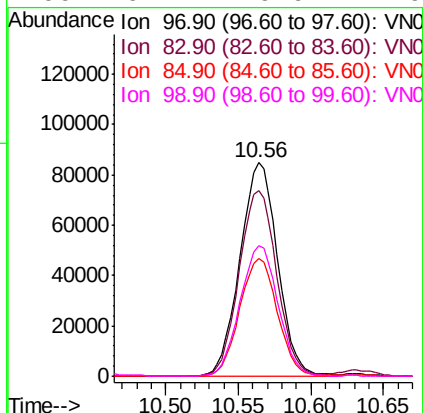
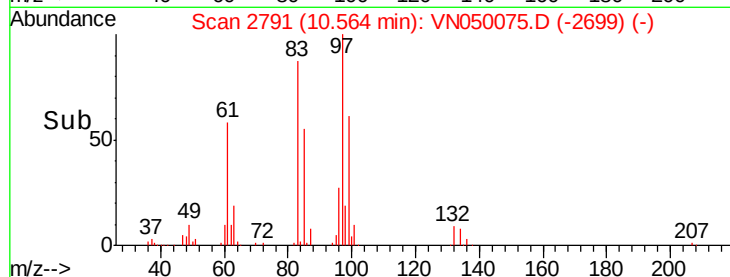
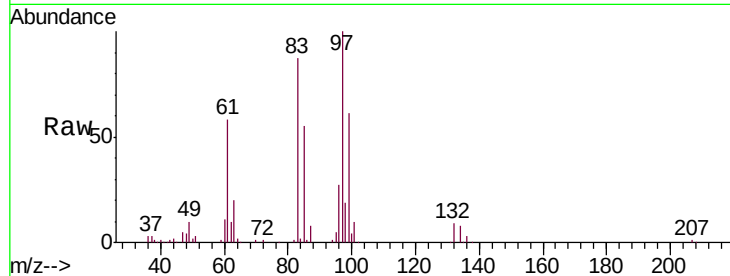
#55
 1,1,2-Trichloroethane
 Concen: 19.08 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.2	103.8
85	55.2	44.0	66.0
99	61.2	49.9	74.9

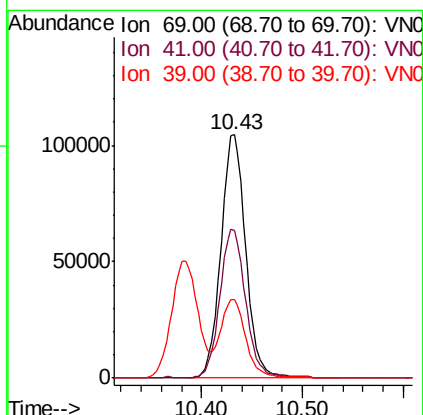
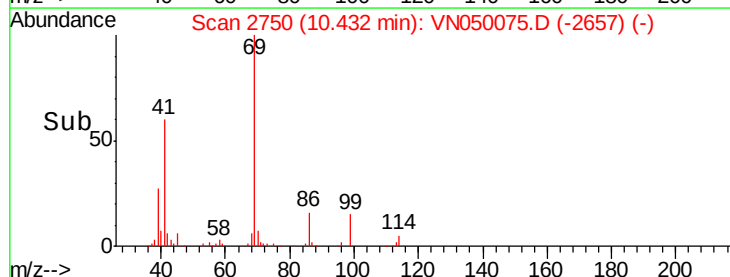
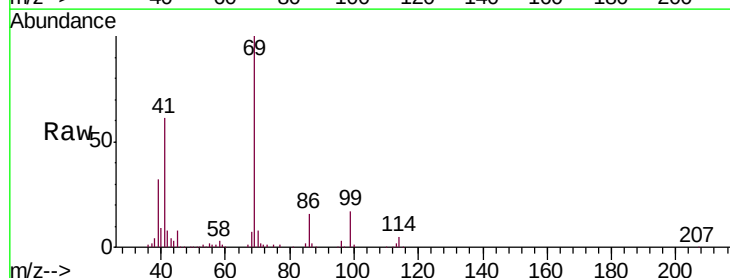
Manual Integrations
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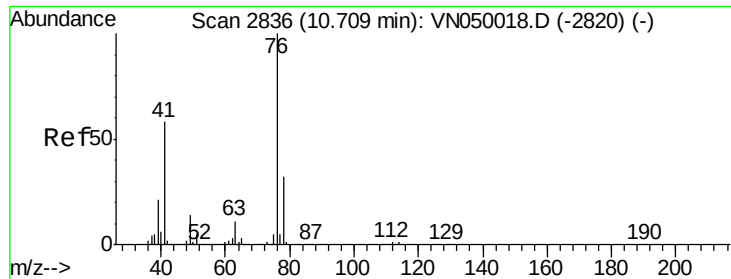
MMDadoda
 7/27/2018 12:15:29 PM



#56
 Ethyl methacrylate
 Concen: 17.88 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.6	51.0	76.4
39	32.1	26.6	40.0





#57

1,3-Dichloropropane

Concen: 18.99 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampled :

VN0726WBS01

Tot Ion: 76 Resp: 249081

Ion Ratio Lower Upper

76 100

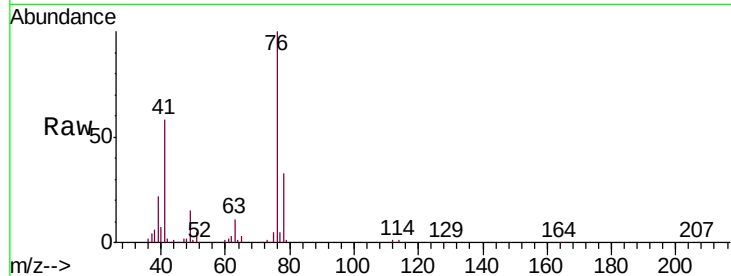
78 32.5 25.7 38.5

Manual Integrations

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7/27/2018 12:15:29 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

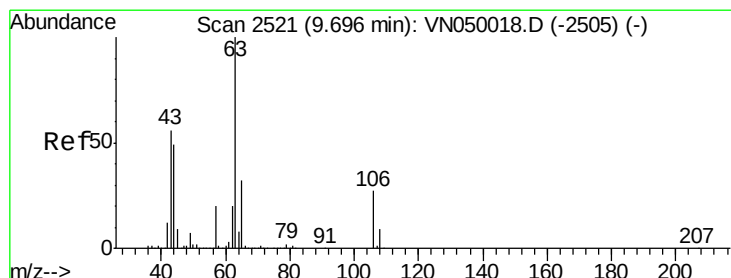
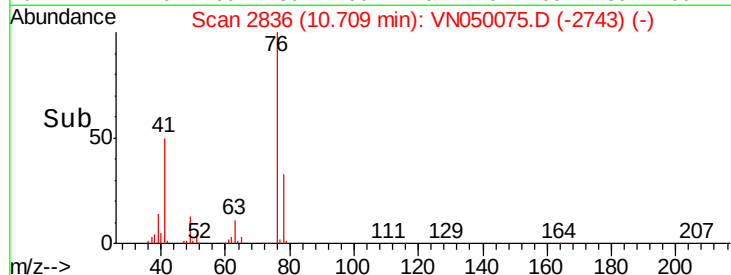
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 86.83 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050075.D

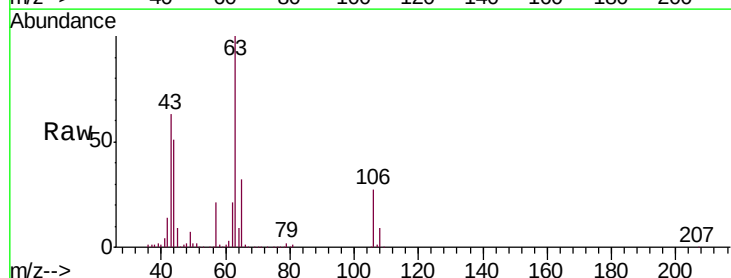
Acq: 26 Jul 2018 12:03

Tgt Ion: 63 Resp: 413172

Ion Ratio Lower Upper

63 100

106 27.0 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

250000

200000

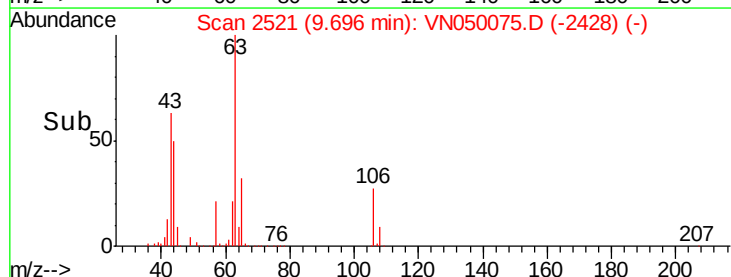
150000

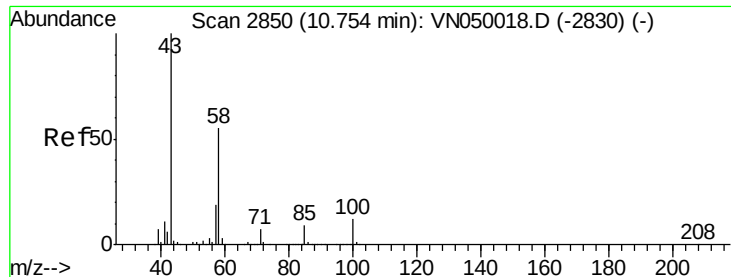
100000

50000

0

Time--> 9.60 9.70 9.80





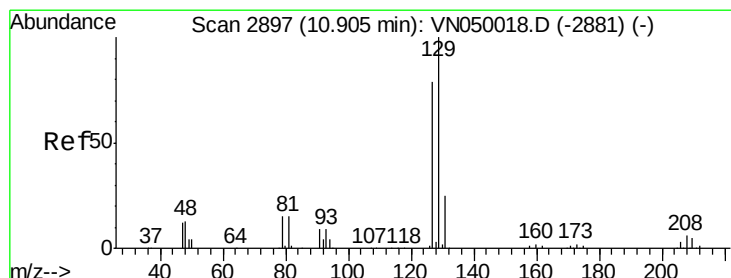
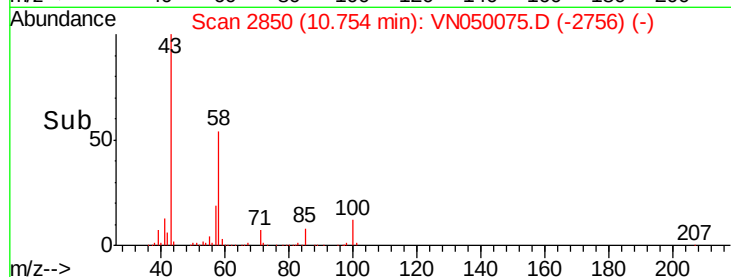
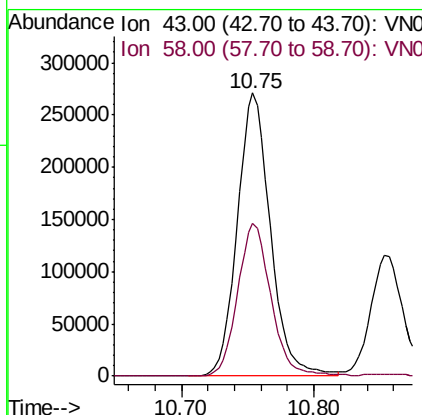
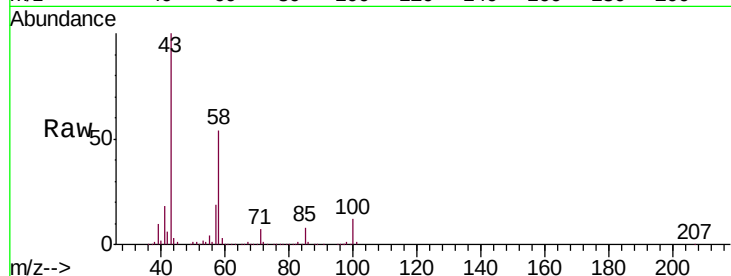
#59
2-Hexanone
Concen: 85.60 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion: 43 Resp: 467509
Ion Ratio Lower Upper
43 100
58 54.6 27.6 82.7

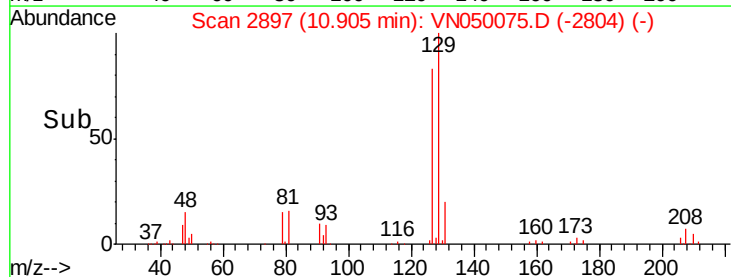
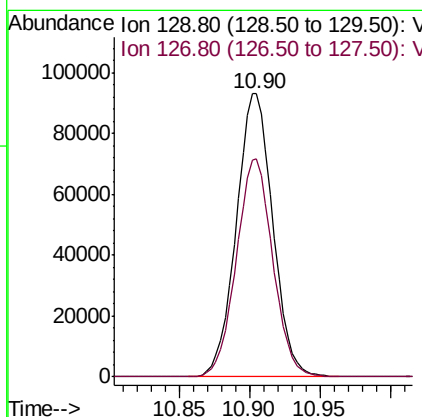
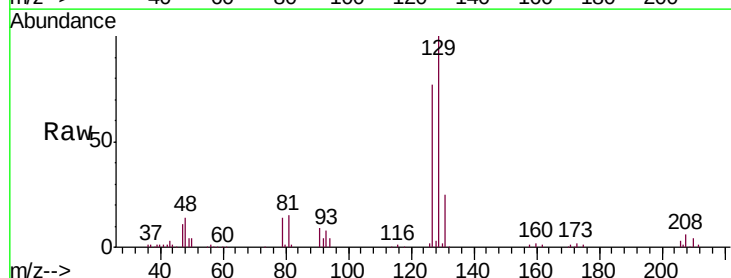
Manual Integrations
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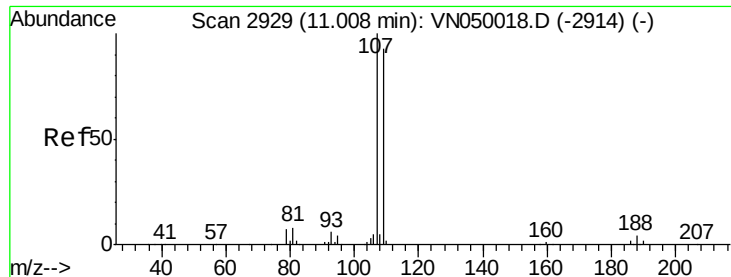
MMDadoda
7/27/2018 12:15:29 PM



#60
Dibromochloromethane
Concen: 18.96 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Tgt Ion: 129 Resp: 169055
Ion Ratio Lower Upper
129 100
127 76.8 38.0 113.9





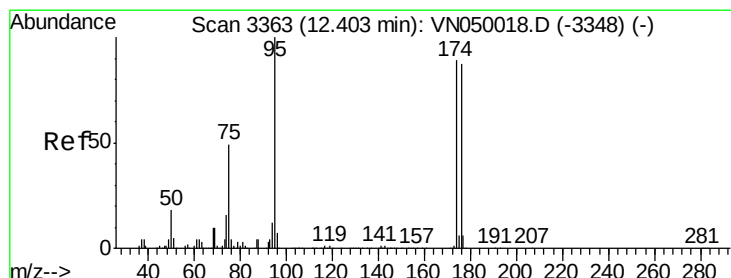
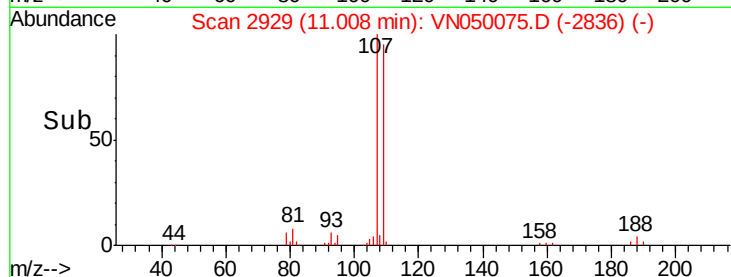
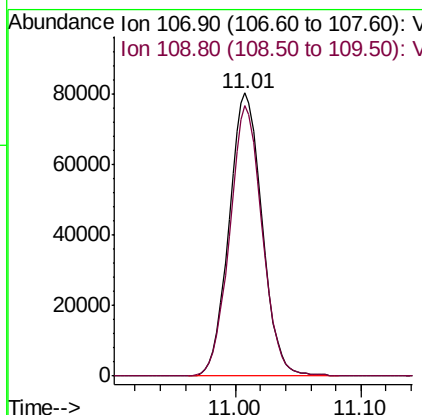
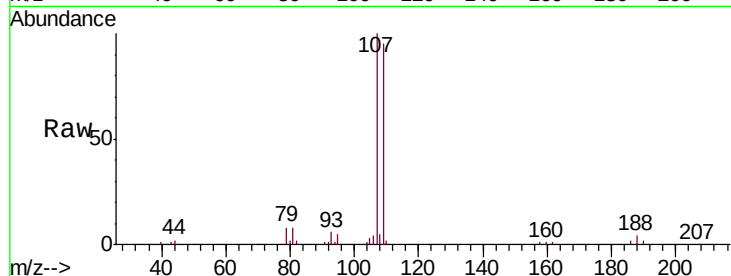
#61
 1,2-Dibromoethane
 Concen: 18.36 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.6	112.0

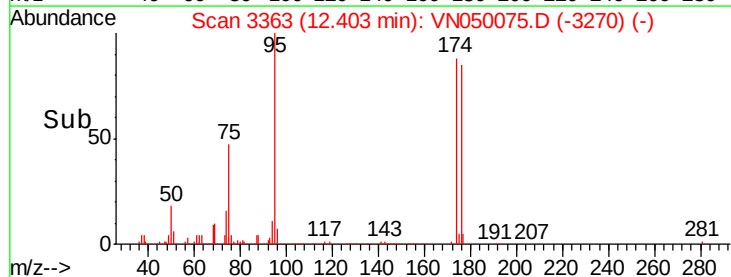
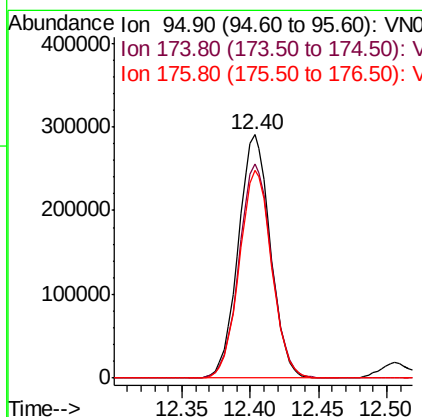
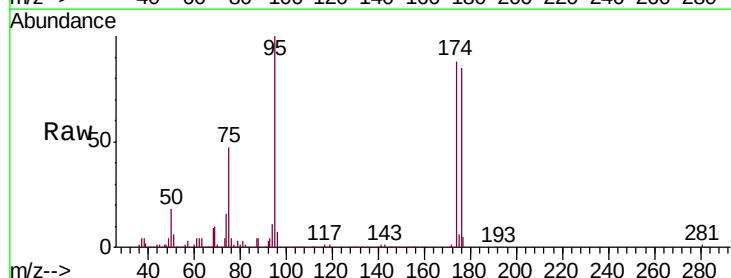
Manual Integrations
 APPROVED

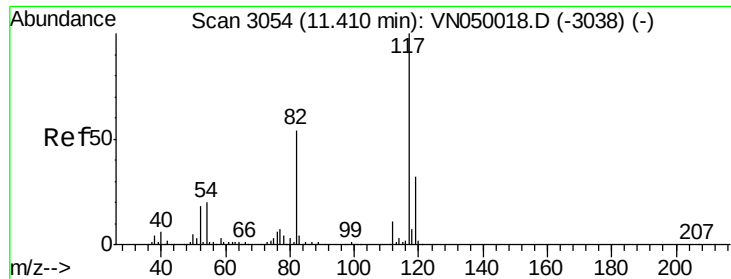
MMDadoda
 7/27/2018 12:15:29 PM



#62
 4-Bromofluorobenzene
 Concen: 47.83 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	178.2
176	86.1	0.0	173.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

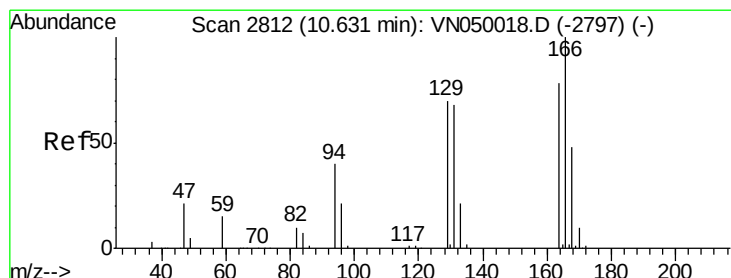
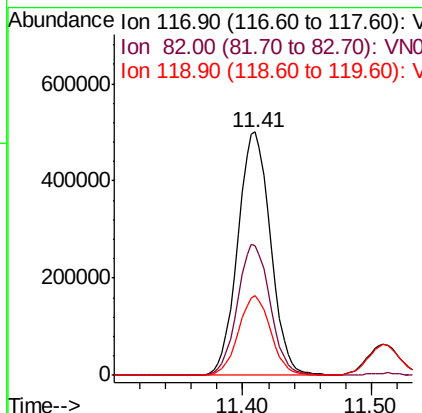
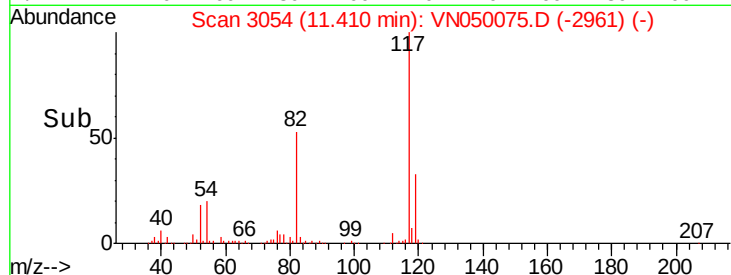
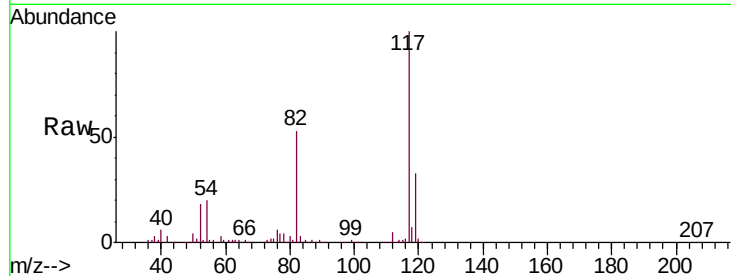
ClientSampleId :

VN0726WBS01

Tot Ion:	117	Resp:	887087
Ion Ratio		Lower	Upper
117	100		
82	53.5	43.7	65.5
119	32.6	26.1	39.1

Manual Integrations
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#64

Tetrachloroethene

Concen: 19.84 ug/l

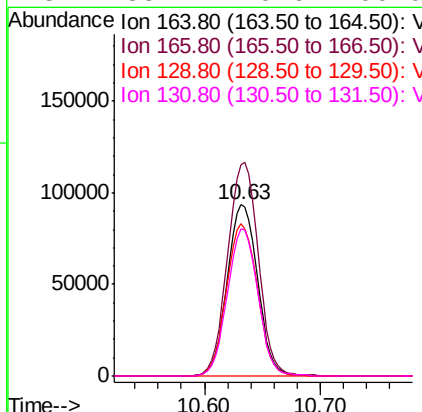
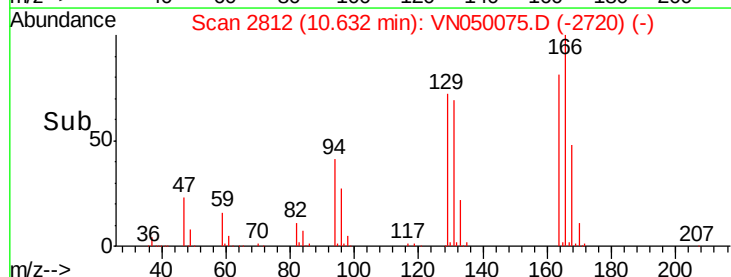
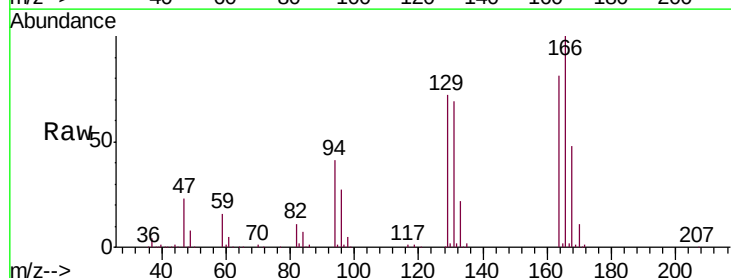
RT: 10.63 min Scan# 2812

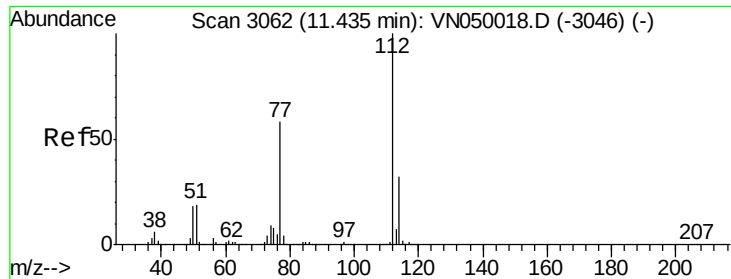
Delta R.T. -0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Tgt Ion:	164	Resp:	169242
Ion Ratio		Lower	Upper
164	100		
166	123.6	102.1	153.1
129	88.8	73.2	109.8
131	85.7	70.6	106.0





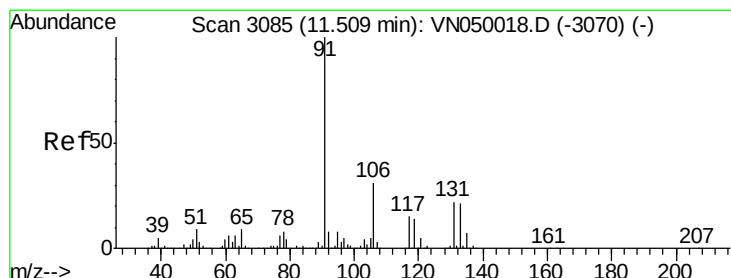
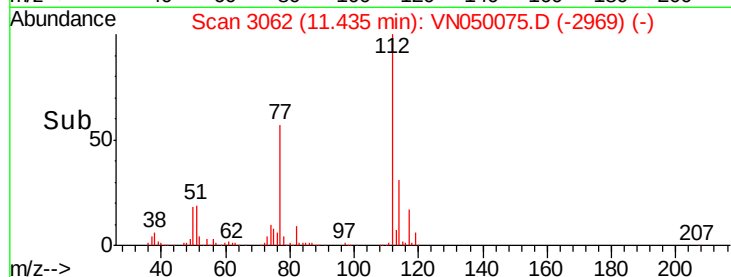
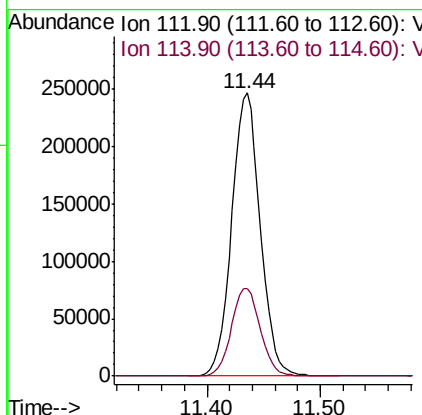
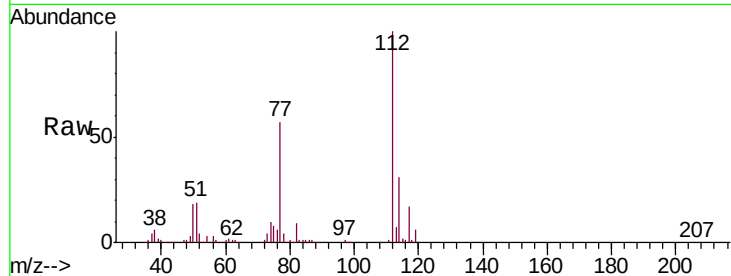
#65
Chlorobenzene
Concen: 19.28 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Instrument :
MSVOA_N
ClientSampled :
VN0726WBS01

Tot Ion:112 Resp: 431960
Ion Ratio Lower Upper
112 100
114 31.1 25.6 38.4

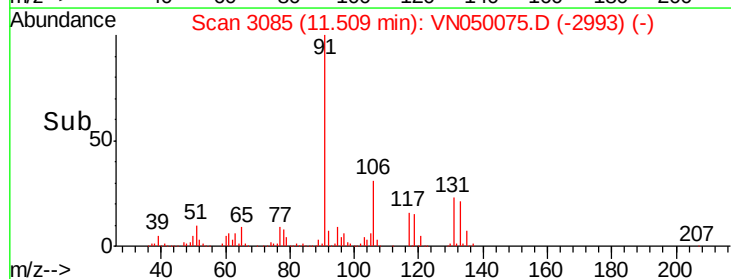
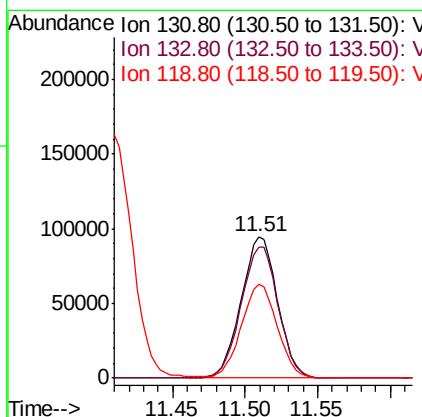
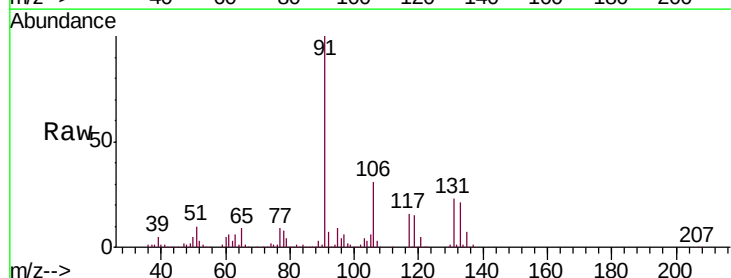
Manual Integrations
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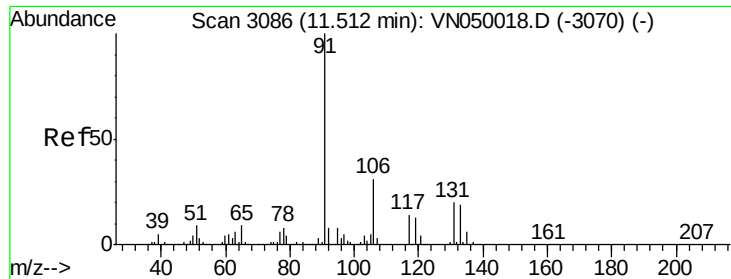
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.15 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Tgt Ion:131 Resp: 164863
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.9
119 66.1 32.9 98.7





#67

Ethyl Benzene

Concen: 19.91 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampled :

VN0726WBS01

Tot Ion: 91 Resp: 716824

Ion Ratio Lower Upper

91 100

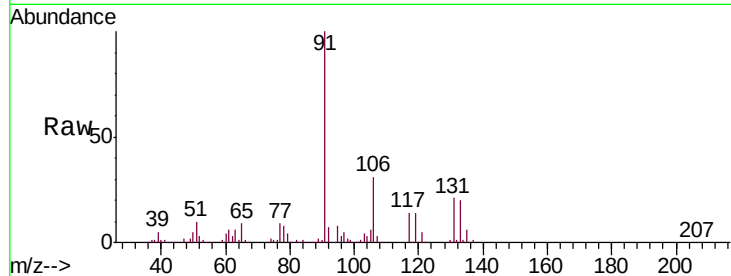
106 31.1 25.0 37.4

Manual Integrations

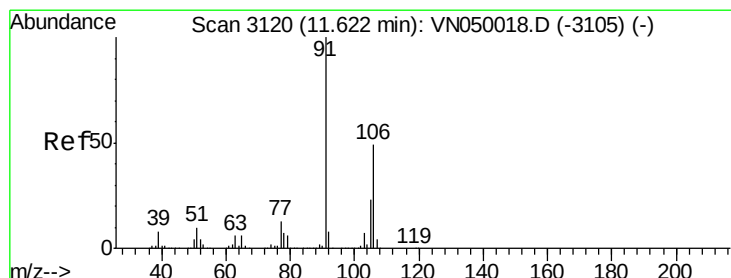
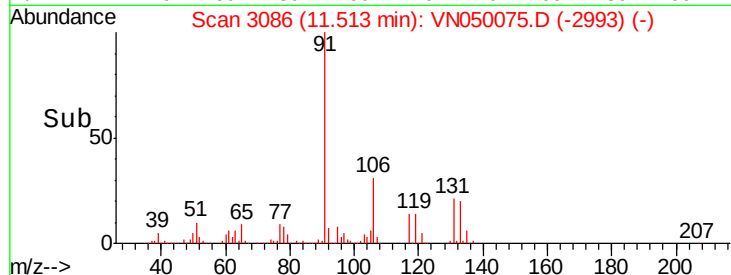
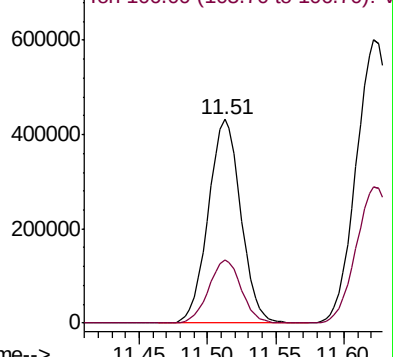
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Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3070) (-)



#68

m/p-Xylenes

Concen: 40.78 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050075.D

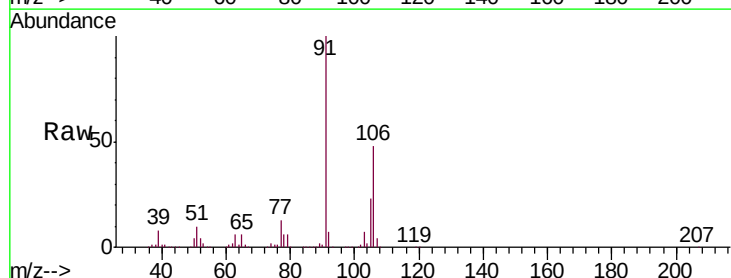
Acq: 26 Jul 2018 12:03

Tgt Ion: 106 Resp: 555155

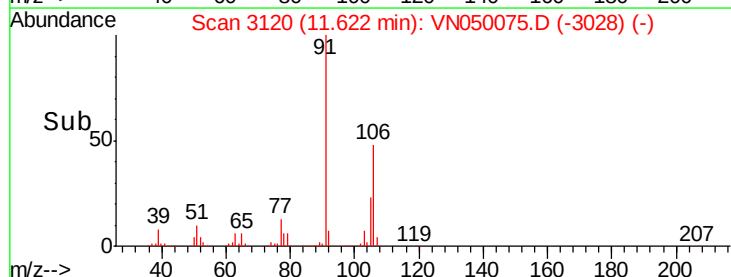
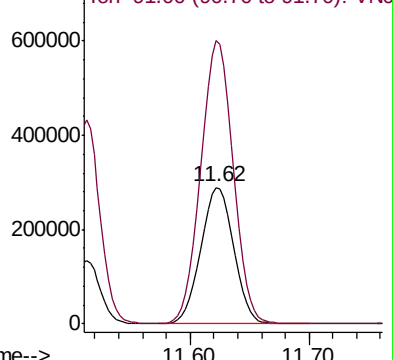
Ion Ratio Lower Upper

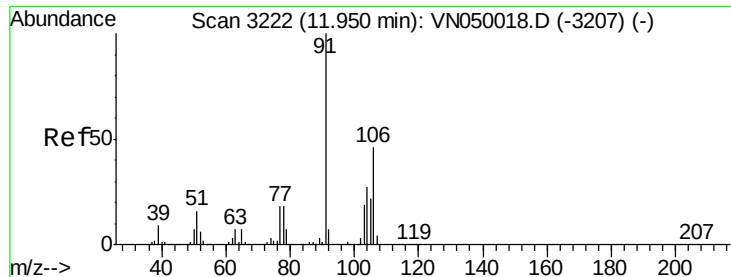
106 100

91 204.6 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): VN050018.D (-3105) (-)





#69

o-Xylene

Concen: 20.11 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampled :

VN0726WBS01

Tot Ion:106 Resp: 260941

Ion Ratio Lower Upper

106 100

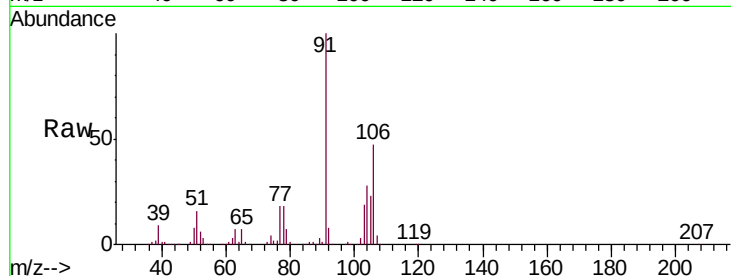
91 216.0 107.7 323.1

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

400000

300000

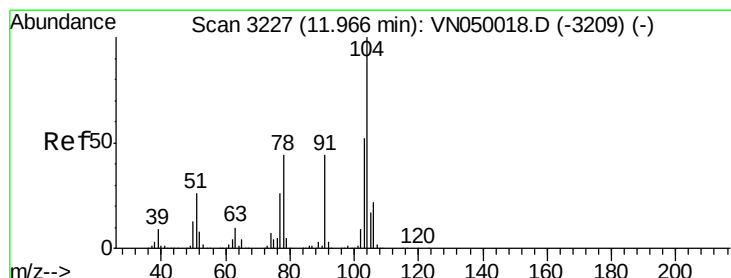
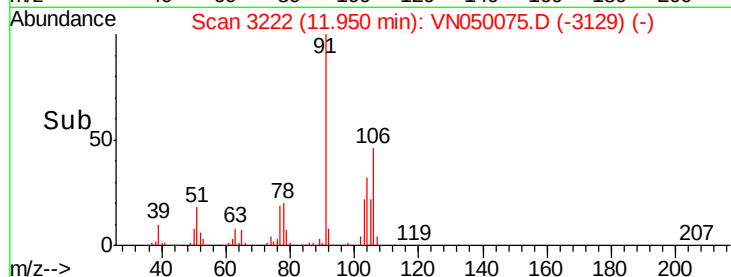
200000

100000

0

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 18.65 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

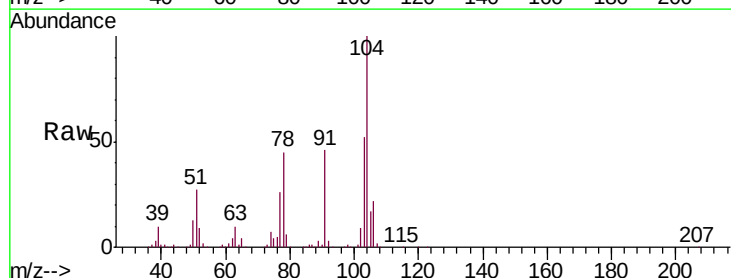
Tgt Ion:104 Resp: 416926

Ion Ratio Lower Upper

104 100

78 50.0 39.3 58.9

103 56.7 45.0 67.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

300000

250000

200000

150000

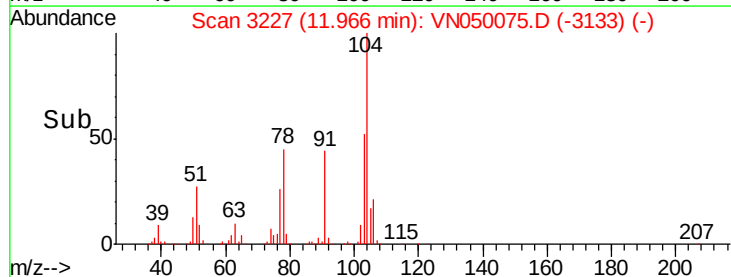
100000

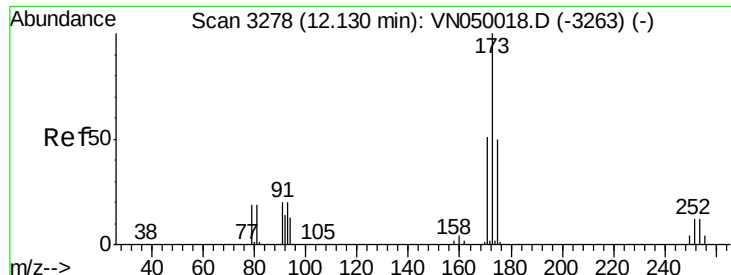
50000

0

11.90 11.97 12.00

Time-->





#71

Bromoform

Concen: 18.56 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampled :

VN0726WBS01

Tot Ion:173 Resp: 116247

Ion Ratio Lower Upper

173 100

175 48.8 24.1 72.2

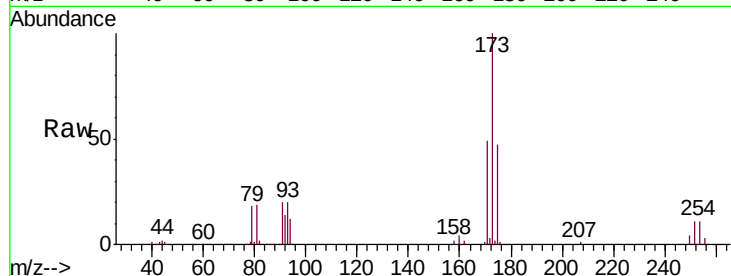
254 0.0 0.2 0.2#

Manual Integrations

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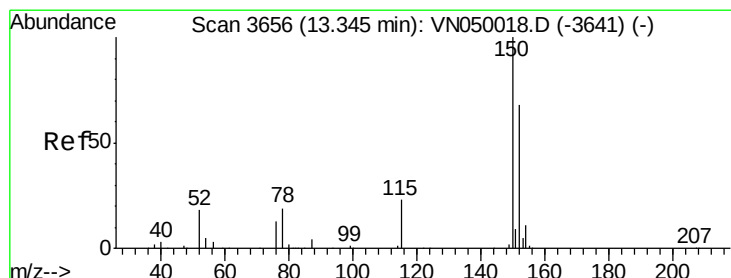
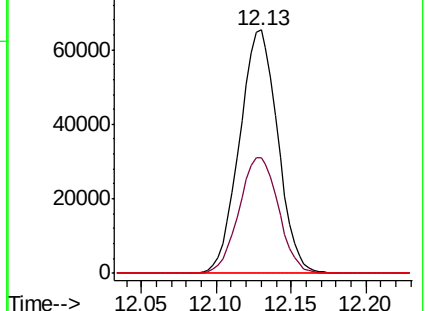
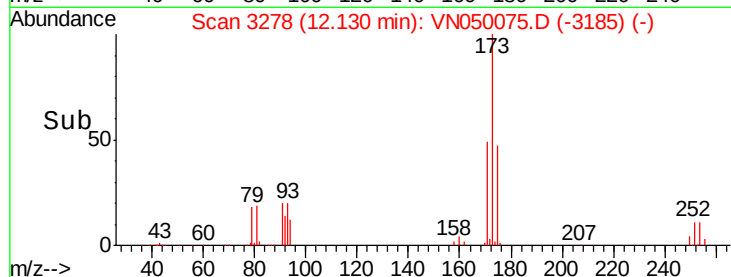
7/27/2018 12:15:29 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

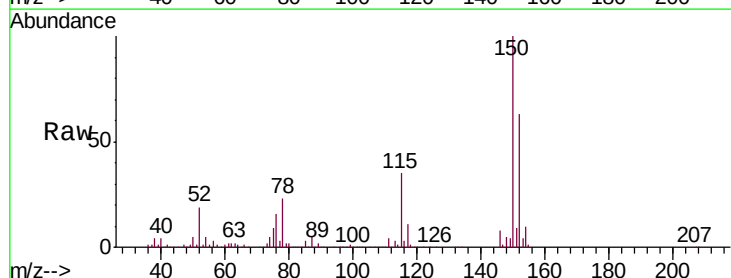
Tgt Ion:152 Resp: 446794

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.3

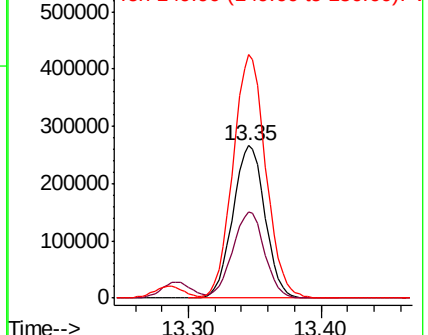
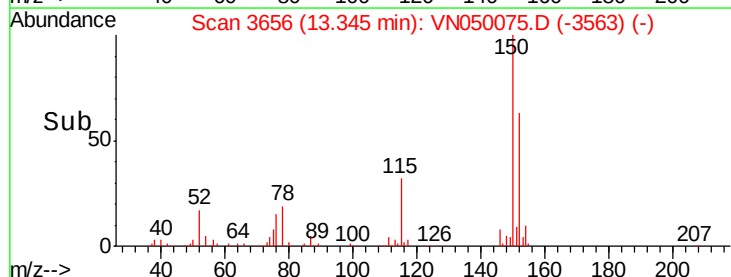
150 163.4 0.0 348.6

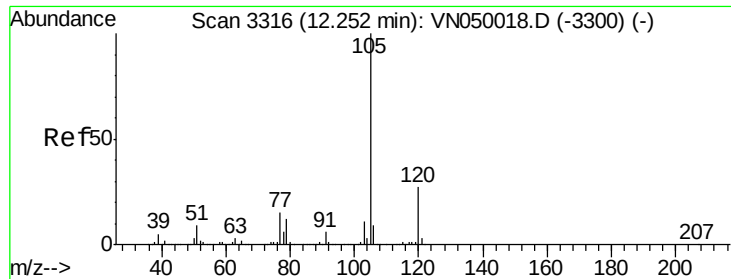


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.19 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampled :

VN0726WBS01

Tot Ion: 105 Resp: 699631

Ion Ratio Lower Upper

105 100

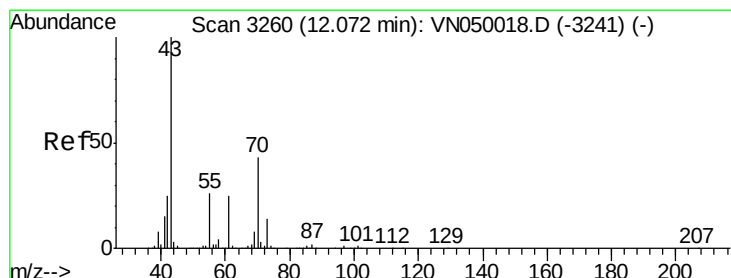
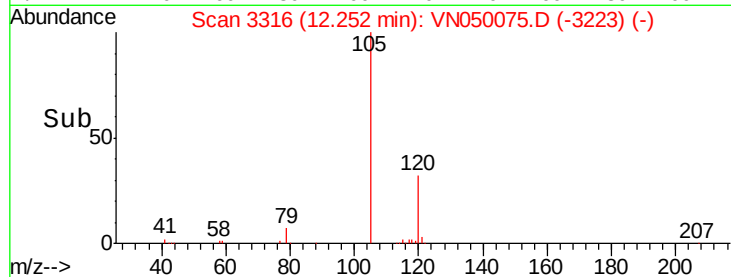
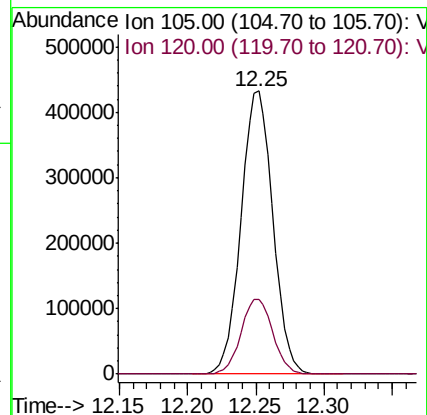
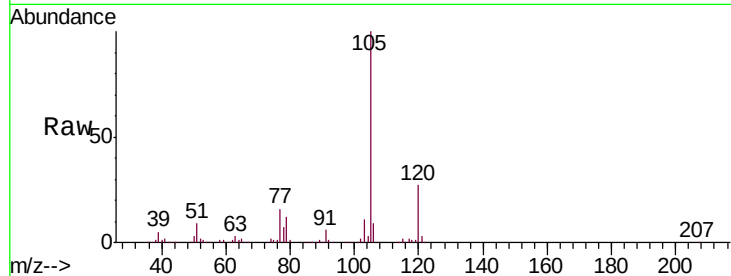
120 26.5 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.81 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Tgt Ion: 43 Resp: 188667

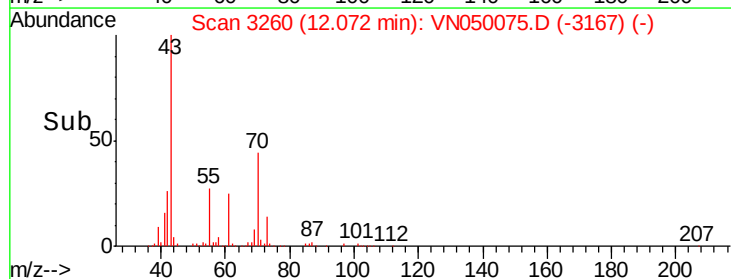
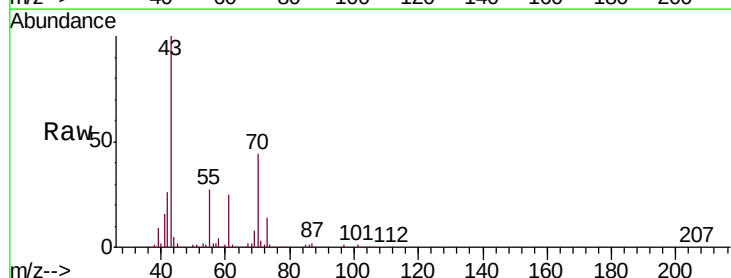
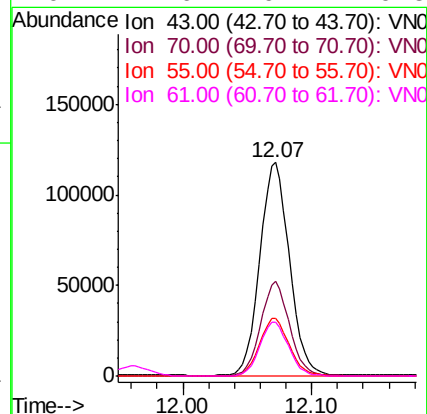
Ion Ratio Lower Upper

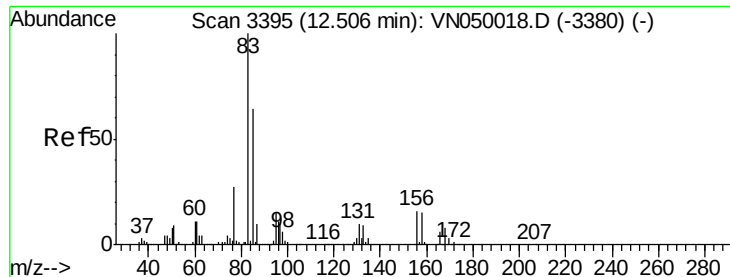
43 100

70 43.3 34.4 51.6

55 27.4 20.8 31.2

61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.13 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampled :

VN0726WBS01

Tot Ion: 83 Resp: 187127
Ion Ratio Lower Upper

83 100

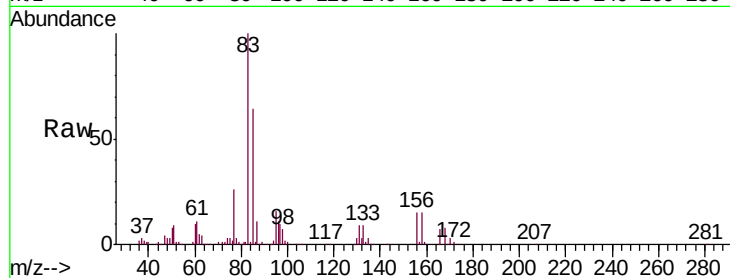
131 10.0 5.1 15.3

85 63.3 32.3 96.8

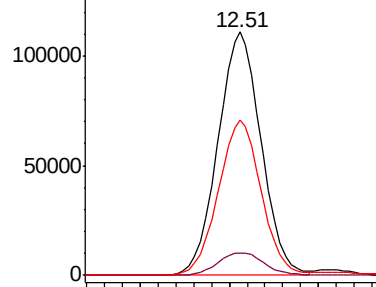
Manual Integrations
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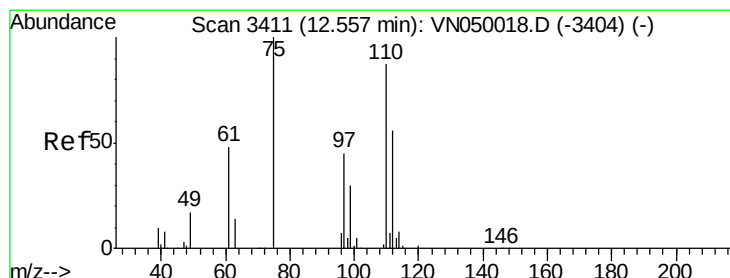
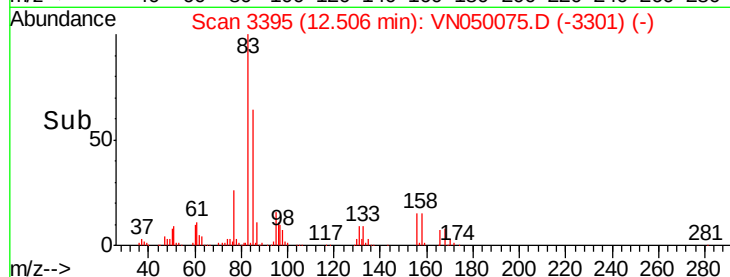
7/27/2018 12:15:29 PM



Abundance Ion 82.90 (82.60 to 83.60): VNO
150000 Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



Time-->



#76

1,2,3-Trichloropropane

Concen: 19.48 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

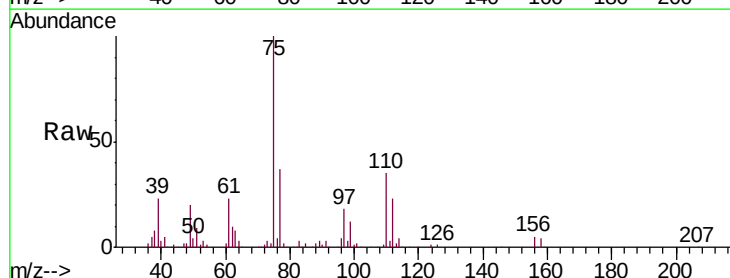
Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

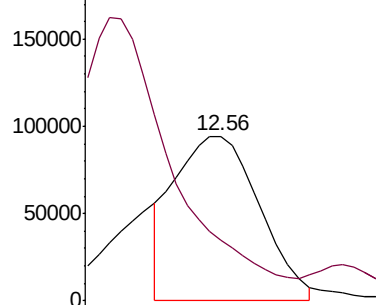
Tgt Ion: 75 Resp: 161766
Ion Ratio Lower Upper

75 100

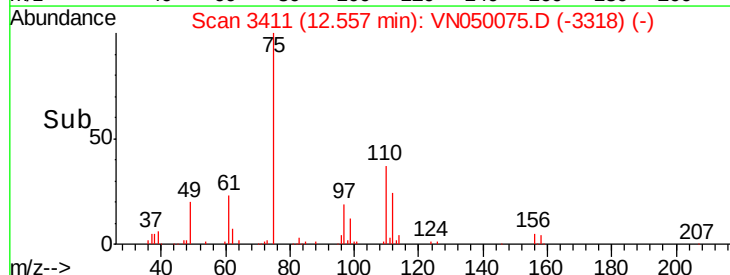
77 0.0 0.0 0.0

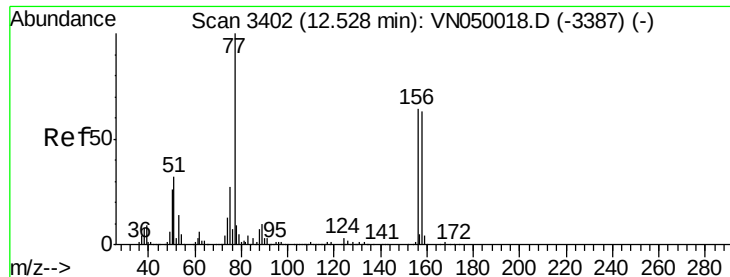


Abundance Ion 74.90 (74.60 to 75.60): VNO
150000 Ion 77.00 (76.70 to 77.70): VNO



Time-->





#77

Bromobenzene

Concen: 18.85 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

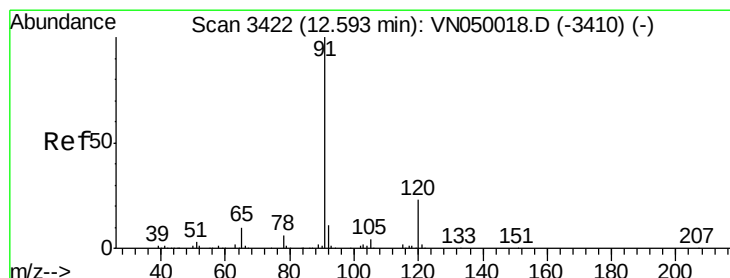
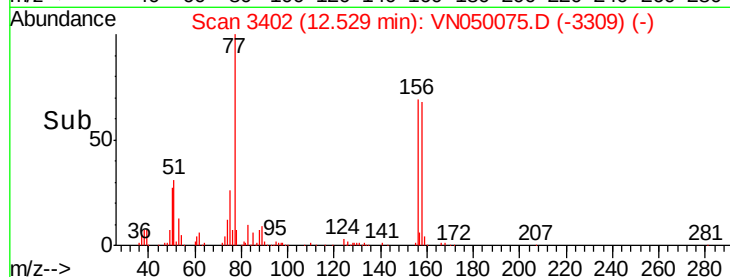
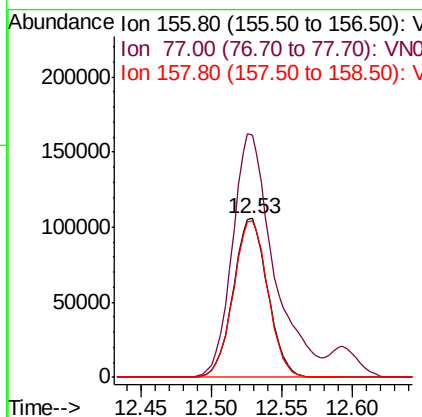
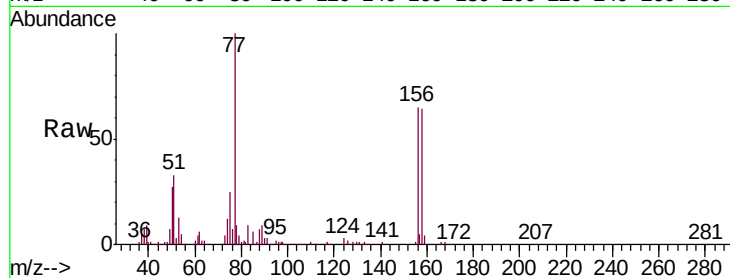
ClientSampleId :

VN0726WBS01

Tot Ion:	156	Resp:	181005
Ion Ratio	Lower	Upper	
156	100		
77	184.7	91.7	275.1
158	98.8	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.85 ug/l

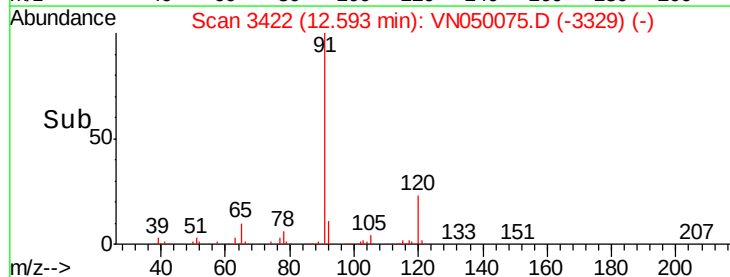
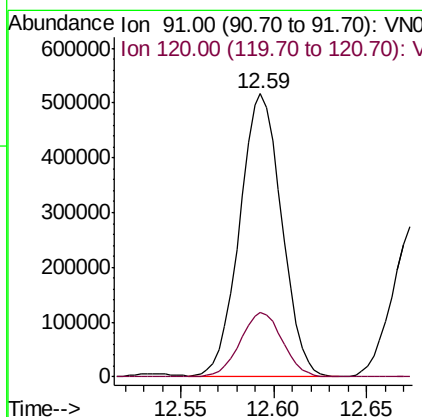
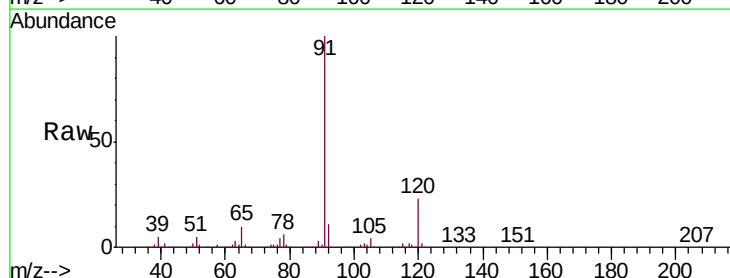
RT: 12.59 min Scan# 3422

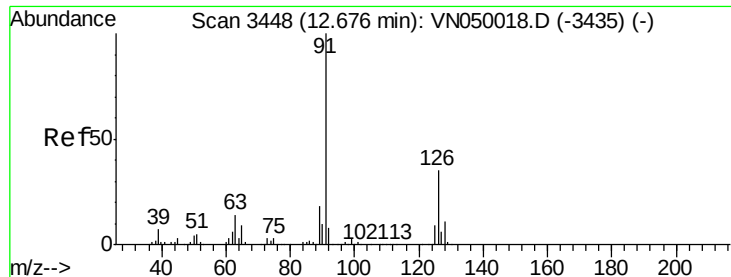
Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Tgt Ion:	91	Resp:	807558
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.6	34.7





#79

2-Chlorotoluene

Concen: 20.29 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampled :

VN0726WBS01

Tot Ion: 91 Resp: 486991

Ion Ratio Lower Upper

91 100

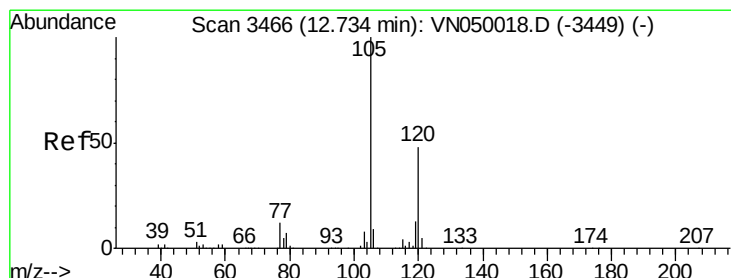
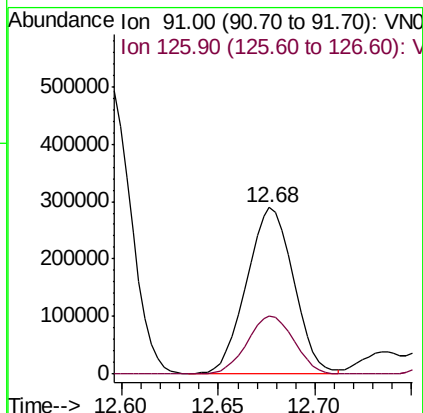
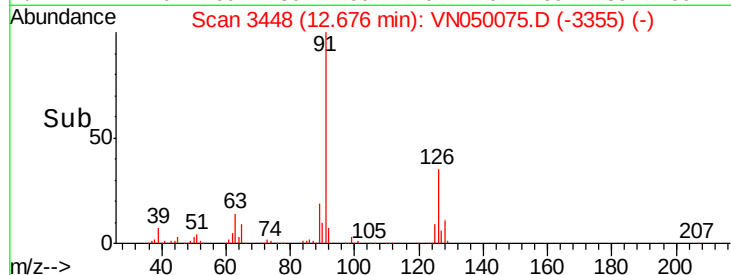
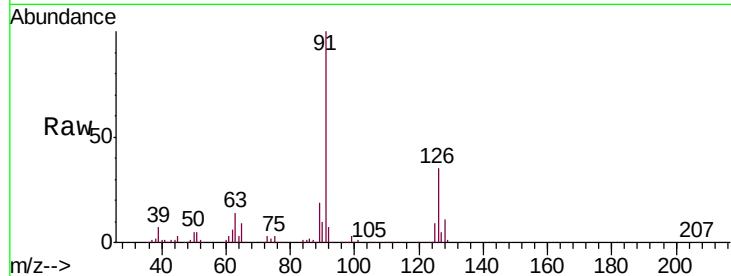
126 35.0 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.35 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050075.D

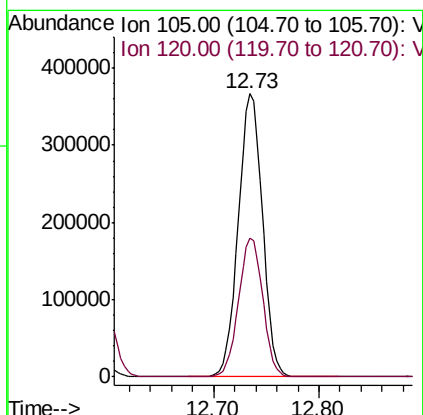
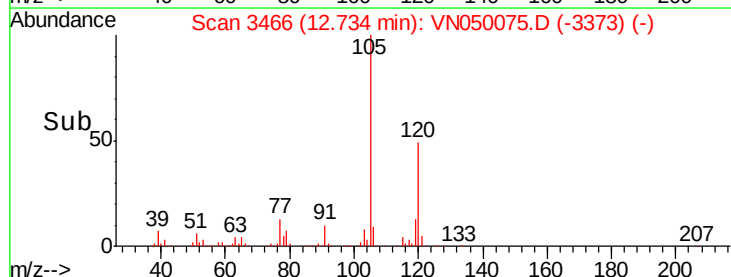
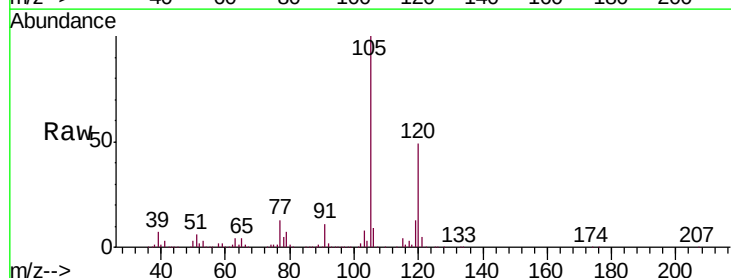
Acq: 26 Jul 2018 12:03

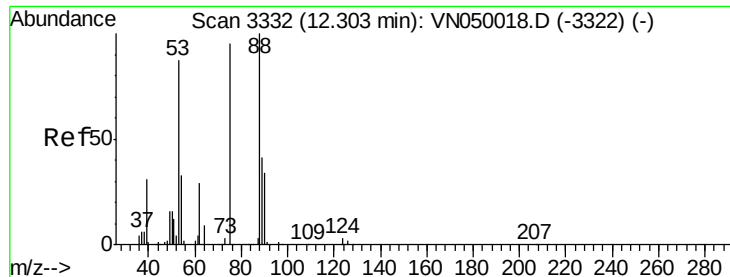
Tgt Ion: 105 Resp: 581804

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.52 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion: 75 Resp: 48492

Ion Ratio Lower Upper

75 100

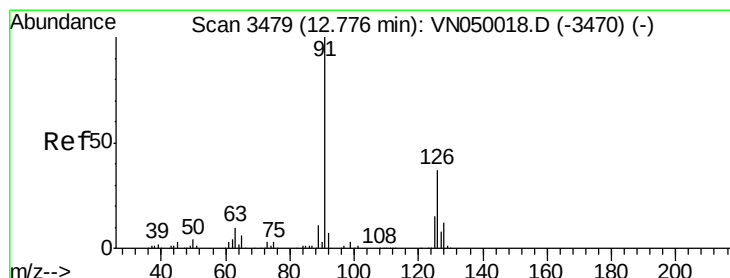
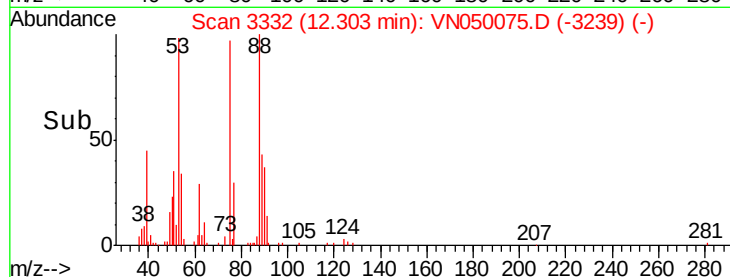
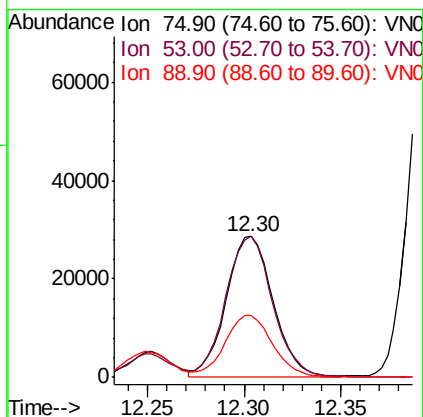
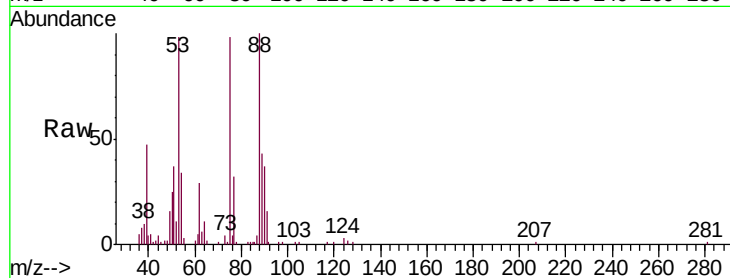
53 100.0 73.5 110.3

89 44.5 36.0 54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.40 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050075.D

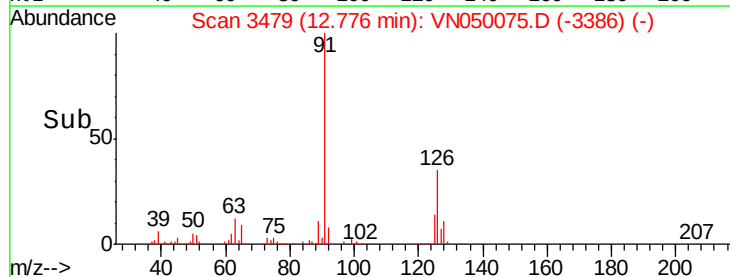
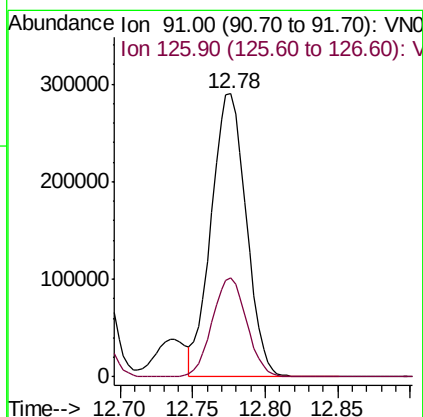
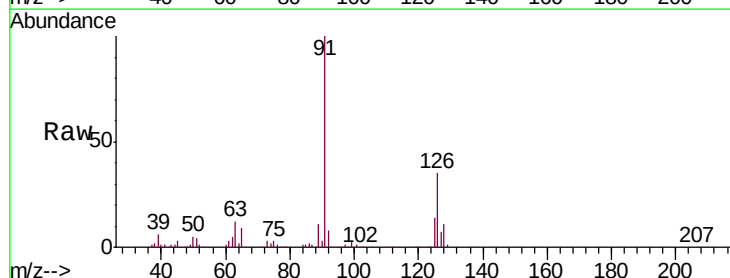
Acq: 26 Jul 2018 12:03

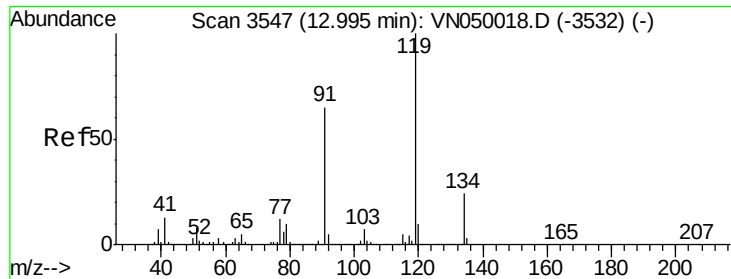
Tgt Ion: 91 Resp: 484995

Ion Ratio Lower Upper

91 100

126 34.5 17.0 51.0





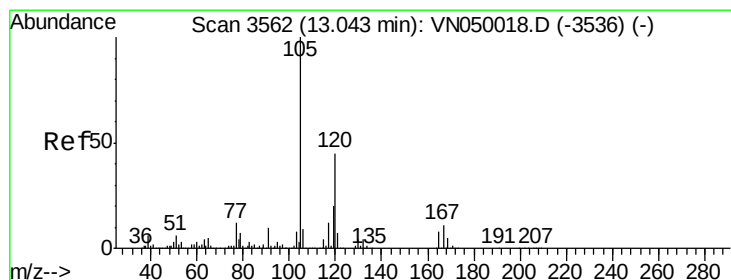
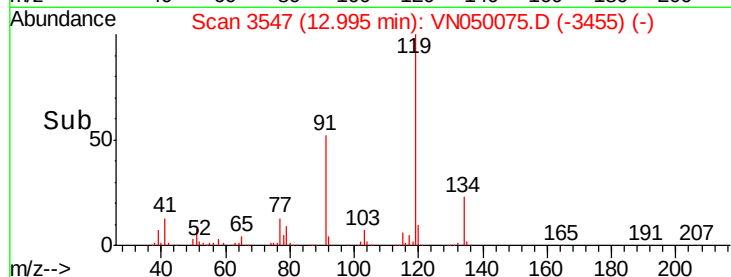
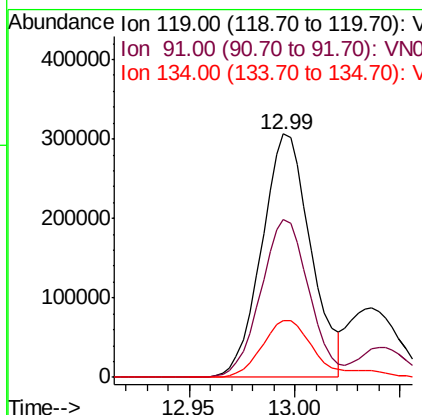
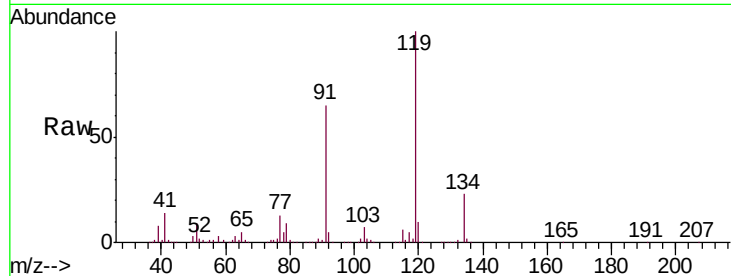
#83
 tert-Butylbenzene
 Concen: 20.81 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Instrument :
 MSVOA_N
 ClientSampled :
 VN0726WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.1	96.3
134	26.1	13.2	39.5

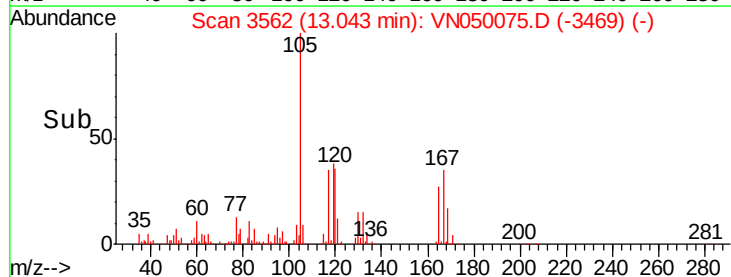
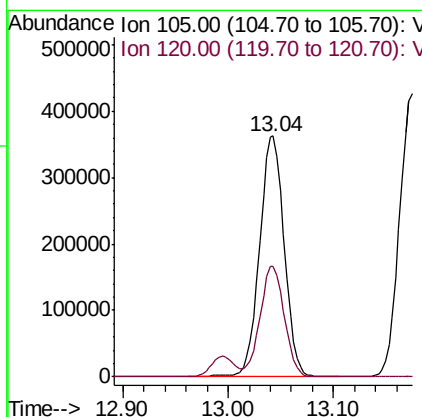
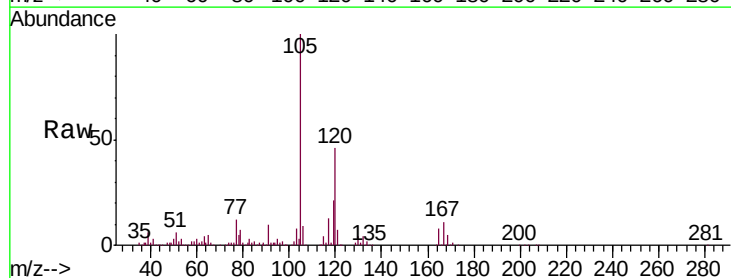
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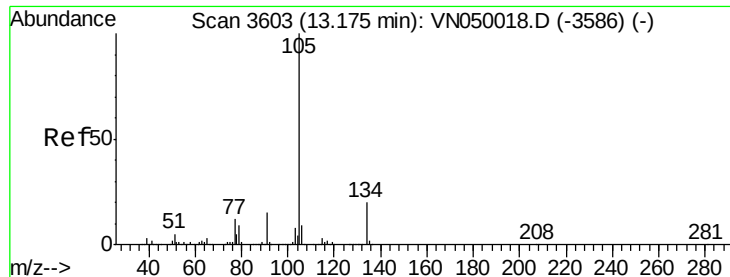
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.53 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.9	68.7





#85

sec-Butylbenzene

Concen: 21.04 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion:105 Resp: 668742

Ion Ratio Lower Upper

105 100

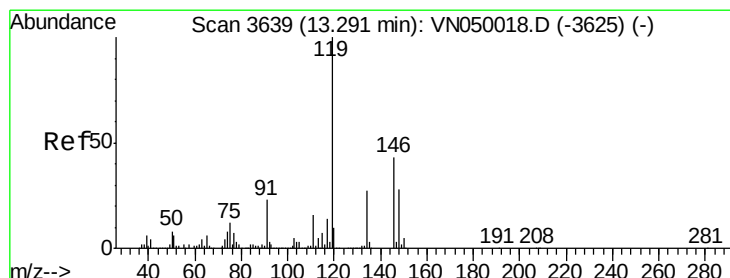
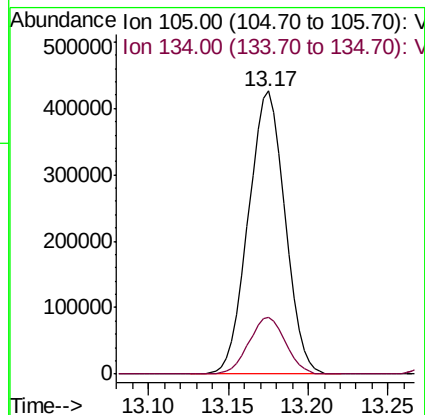
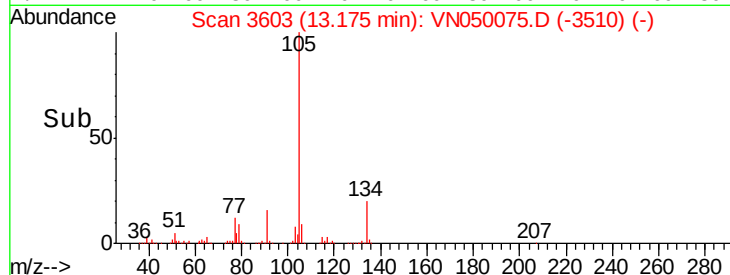
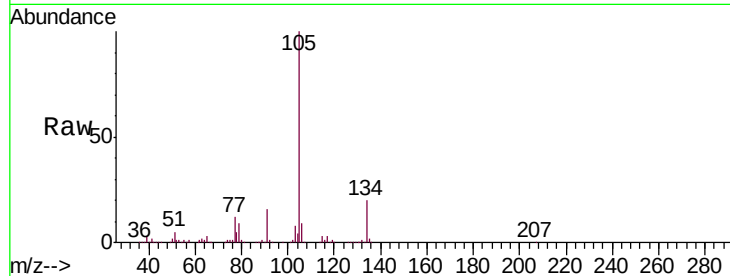
134 20.1 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.35 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

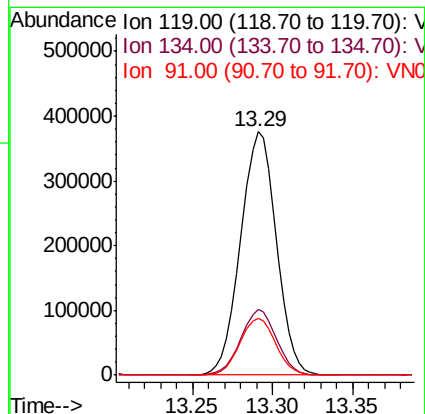
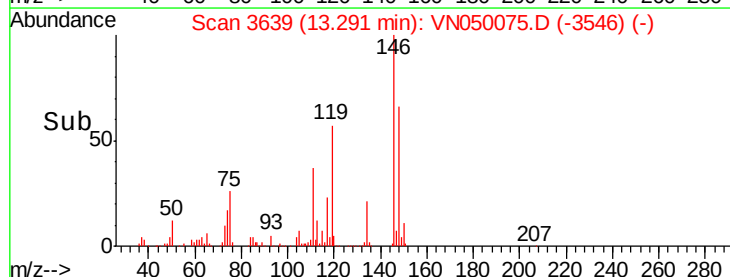
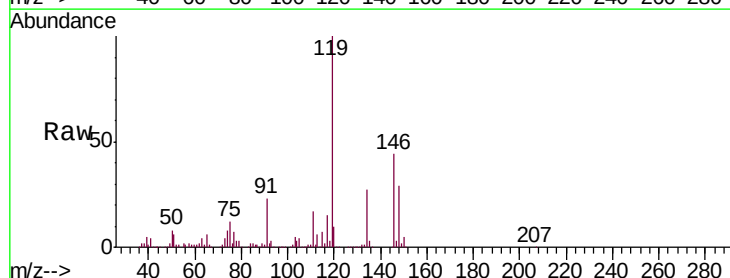
Tgt Ion:119 Resp: 571644

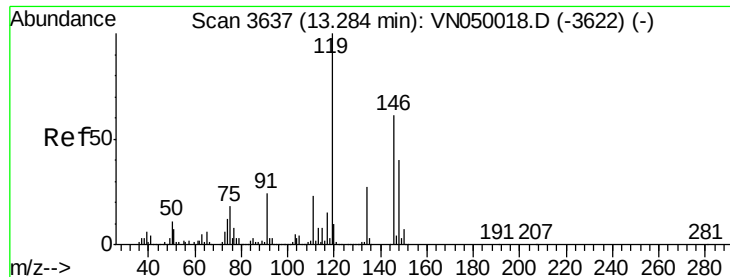
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 23.2 11.4 34.2





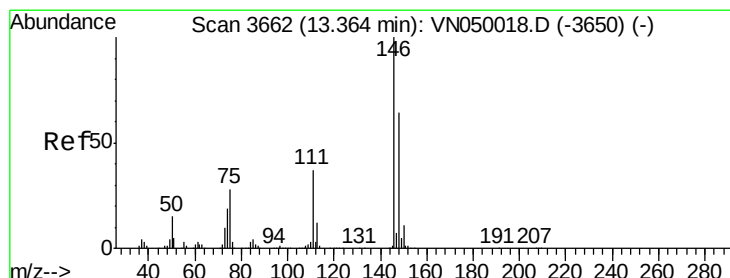
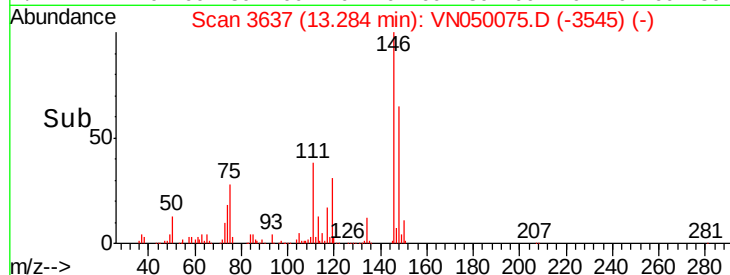
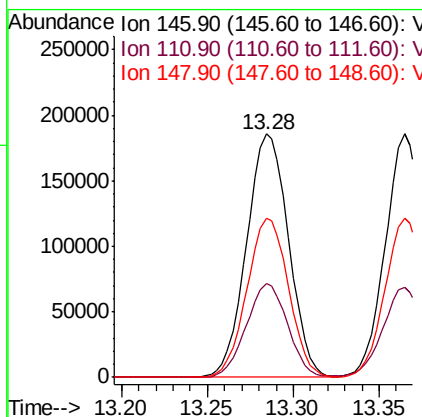
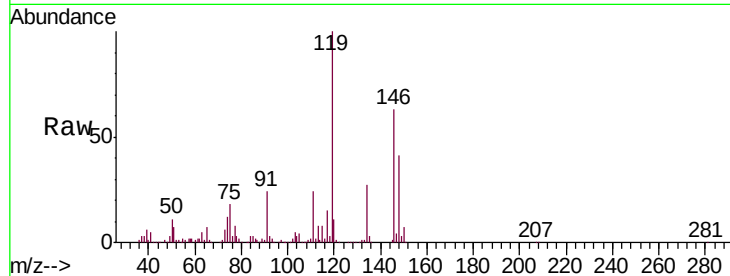
#87
 1,3-Dichlorobenzene
 Concen: 19.28 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	64.9	31.9	95.9

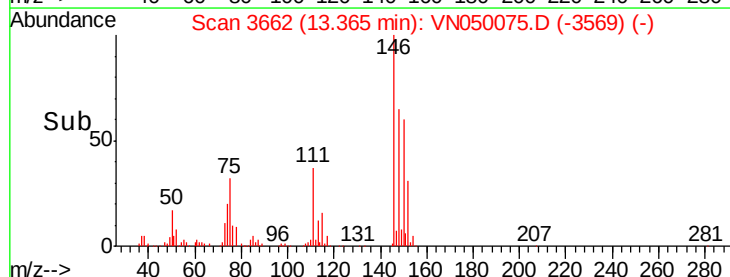
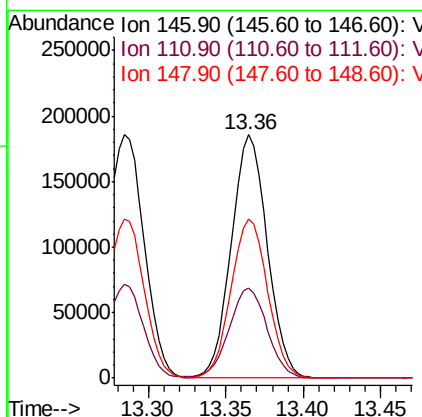
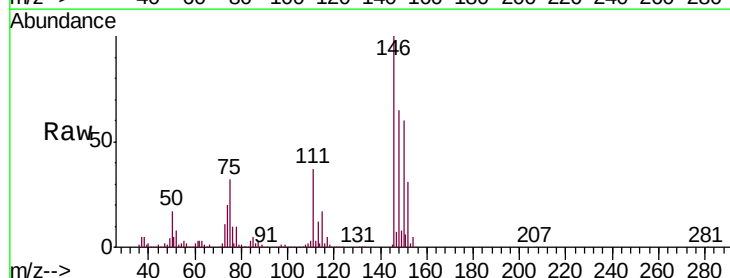
Manual Integrations
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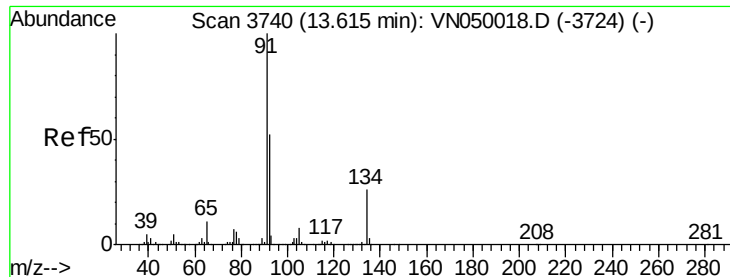
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 18.92 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.3	54.9
148	66.5	31.9	95.9





#89

n-Butylbenzene

Concen: 20.43 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

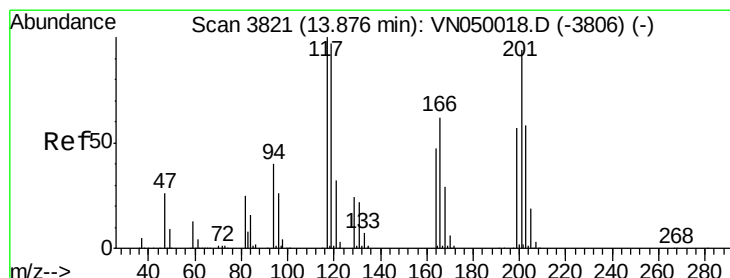
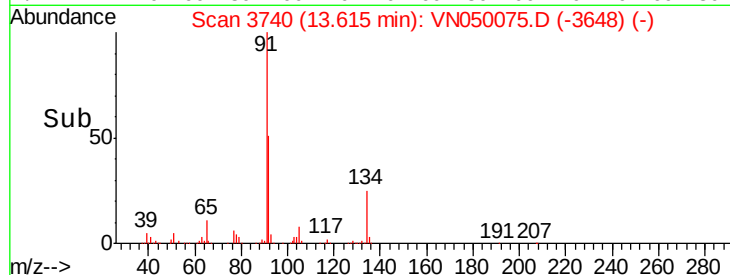
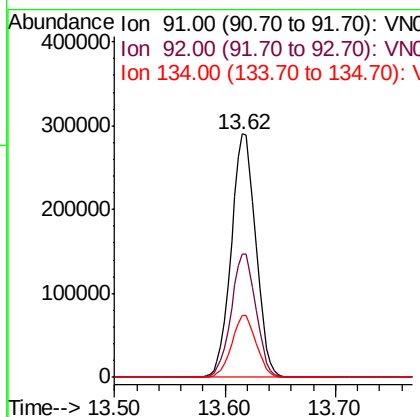
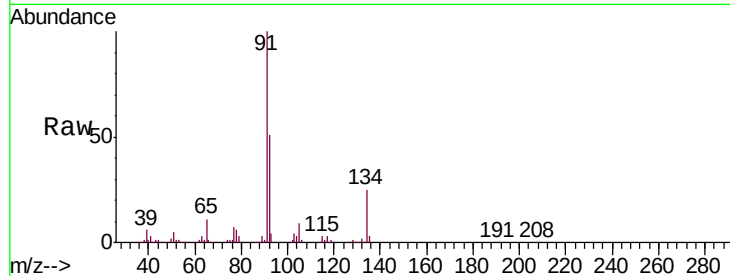
ClientSampled :

VN0726WBS01

Tot Ion:	91	Resp:	449835
Ion Ratio	Lower	Upper	
91	100		
92	51.1	25.8	77.4
134	25.1	12.8	38.4

Manual Integrations
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#90

Hexachloroethane

Concen: 18.80 ug/l

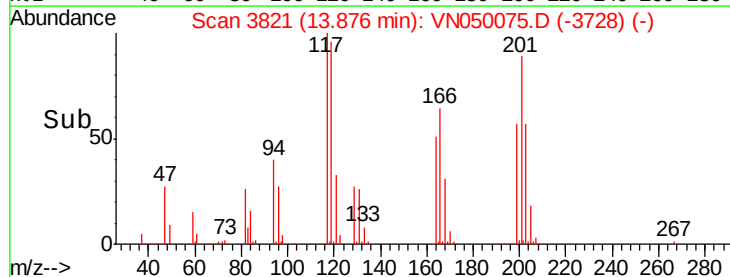
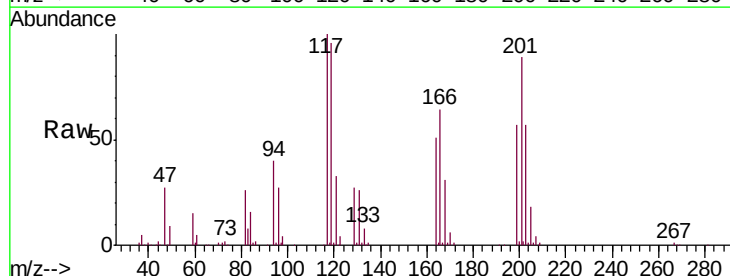
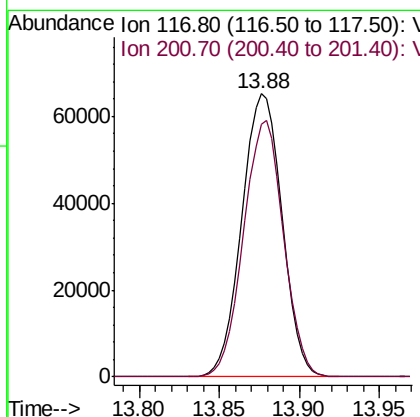
RT: 13.88 min Scan# 3821

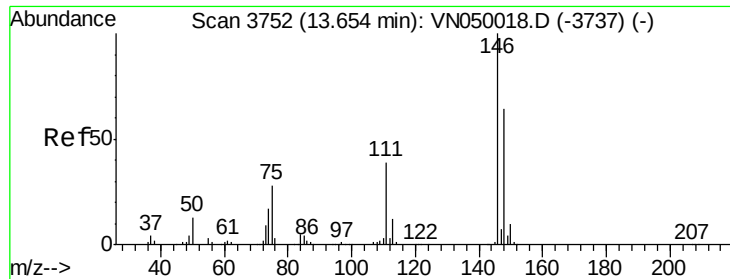
Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Tgt Ion:	117	Resp:	111818
Ion Ratio	Lower	Upper	
117	100		
201	90.0	45.6	136.8





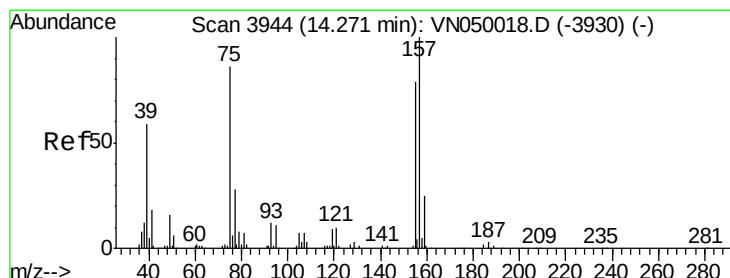
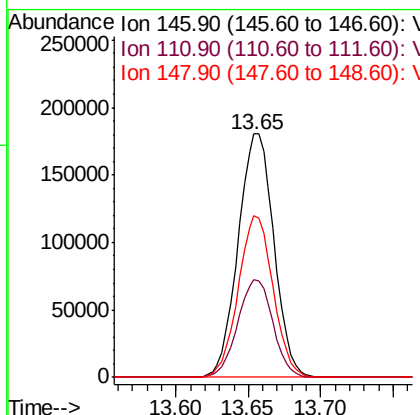
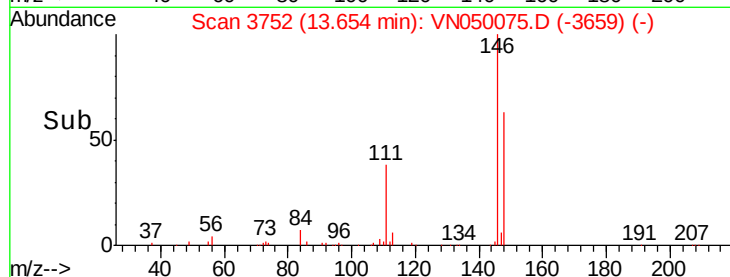
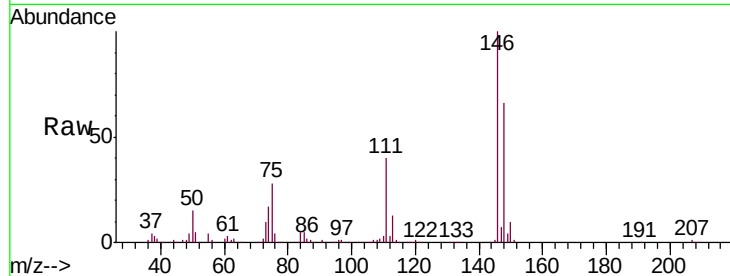
#91
 1,2-Dichlorobenzene
 Concen: 19.01 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	64.4	32.1	96.3

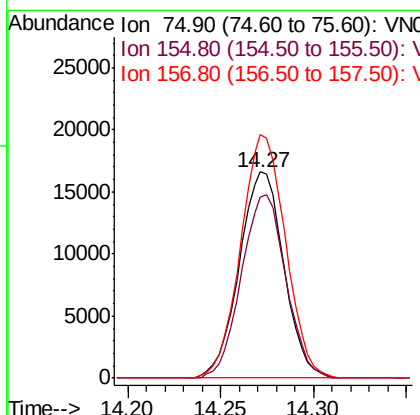
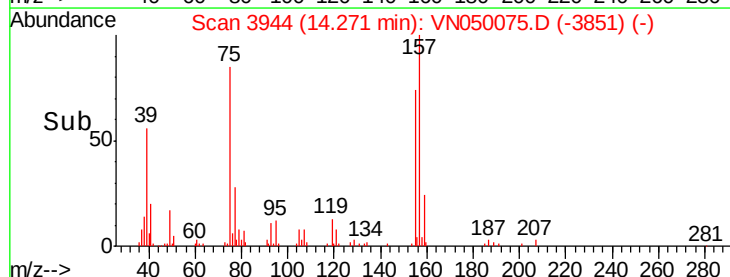
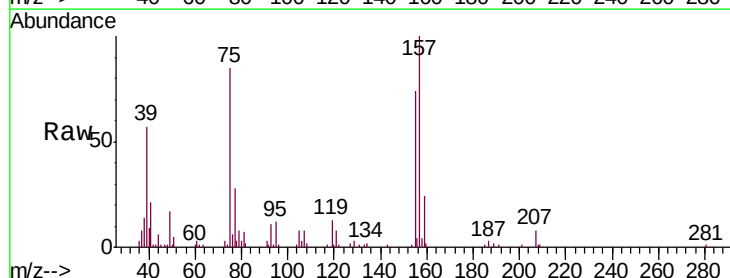
Manual Integrations
 APPROVED

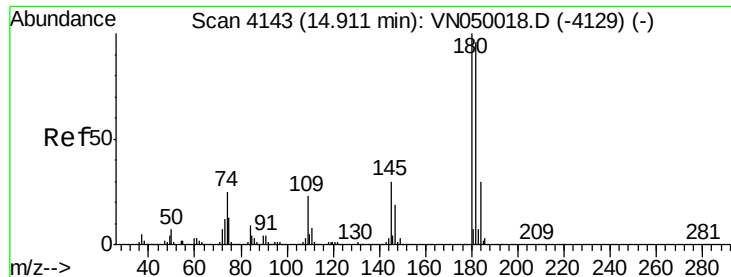
MMDadoda
 7/27/2018 12:15:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.46 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050075.D
 Acq: 26 Jul 2018 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	44.8	134.4
157	118.8	57.2	171.6





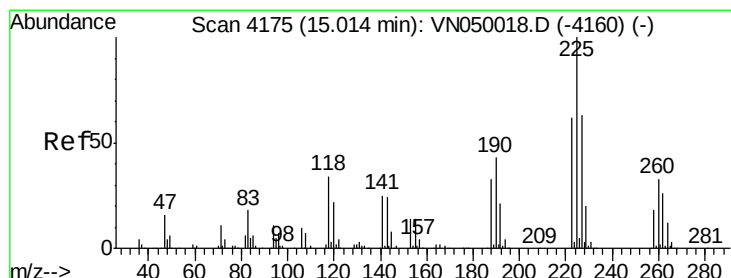
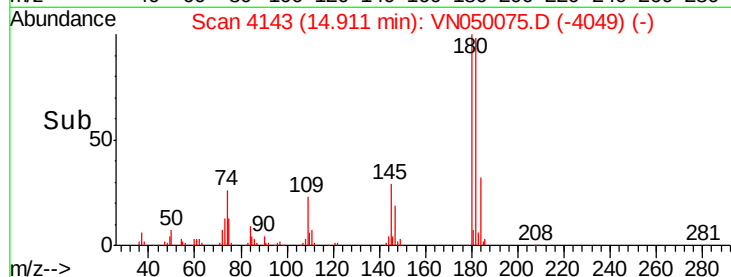
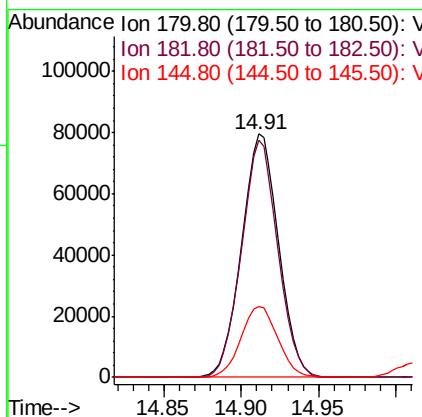
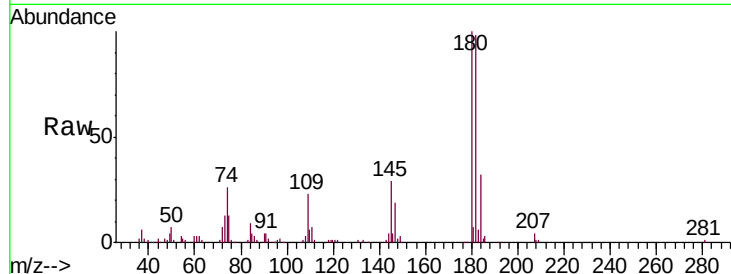
#93
1,2,4-Trichlorobenzene
Concen: 17.43 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. 0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Instrument :
MSVOA_N
ClientSampled :
VN0726WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.7	140.1
145	29.0	13.8	41.4

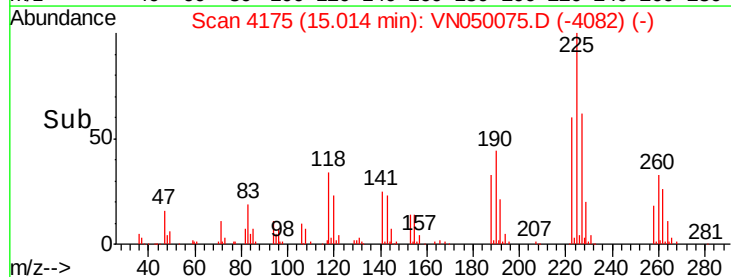
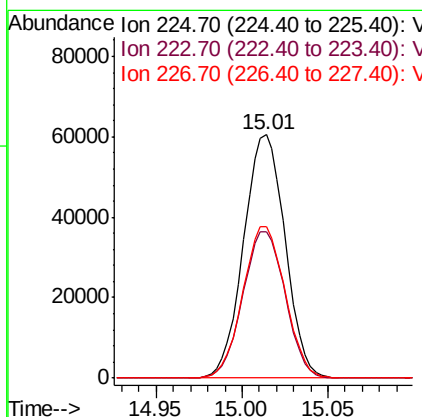
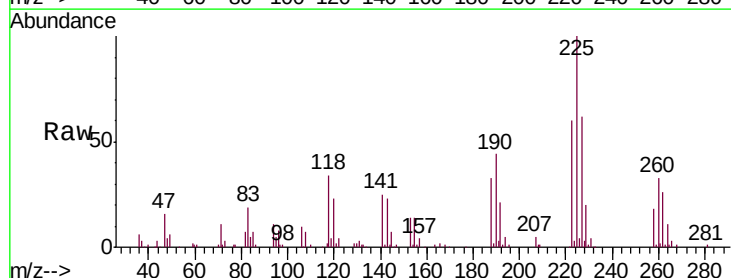
Manual Integrations
APPROVED

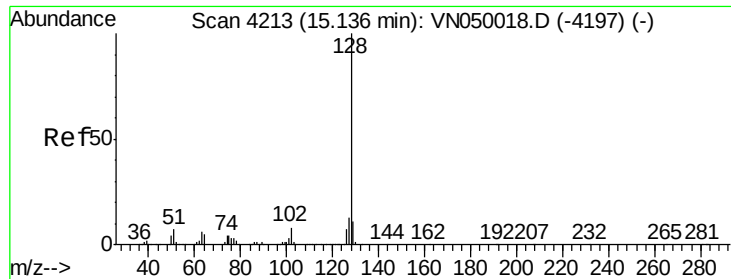
MMDadoda
7/27/2018 12:15:29 PM



#94
Hexachlorobutadiene
Concen: 20.30 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN050075.D
Acq: 26 Jul 2018 12:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.4	94.2
227	63.6	32.1	96.5





#95

Naphthalene

Concen: 16.20 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Instrument :

MSVOA_N

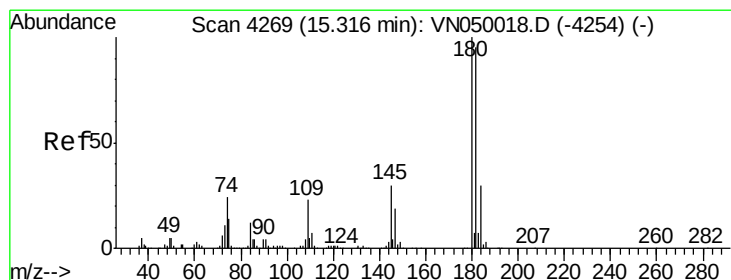
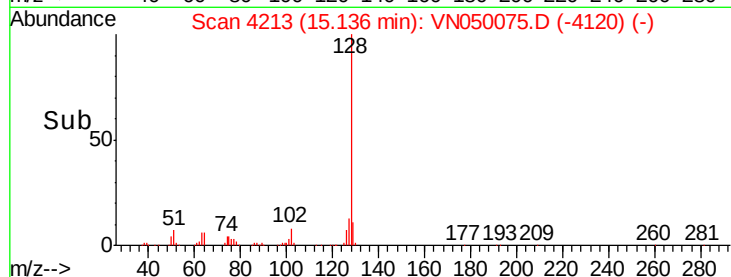
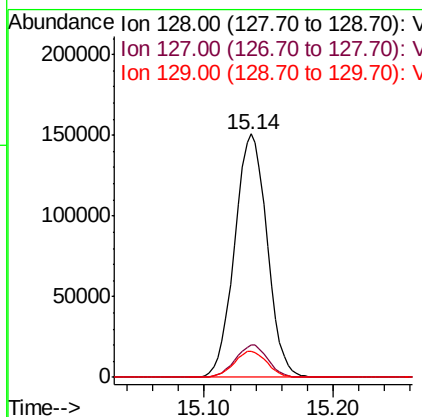
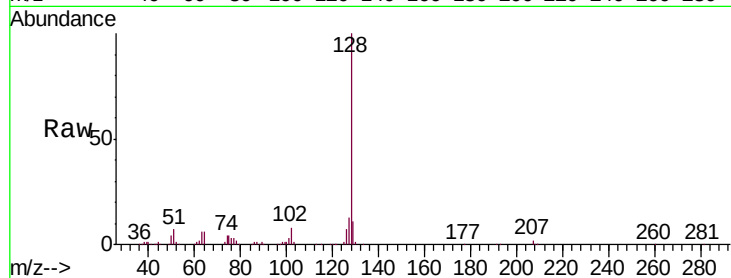
ClientSampleId :

VN0726WBS01

Tot Ion:	128	Resp:	263853
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/27/2018 12:15:29 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.90 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050075.D

Acq: 26 Jul 2018 12:03

Tgt Ion:	180	Resp:	138039
Ion Ratio	Lower	Upper	
180	100		
182	94.3	48.1	144.4
145	29.7	15.3	45.9

