

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050160.D
 Acq On : 28 Jul 2018 4:39
 Operator : MD\SY
 Sample : VN0727WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 1:37:21 PM

Quant Time: Jul 30 02:12:47 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	598947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	922297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	810062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	392126	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	430635	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
35) Dibromofluoromethane	7.59	113	387640	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.09	98	1386133	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.40	95	444923	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	176993	20.566	ug/l	100
3) Chloromethane	2.06	50	176880	18.908	ug/l	100
4) Vinyl Chloride	2.18	62	186076	18.889	ug/l	97
5) Bromomethane	2.56	94	74787	12.927	ug/l	100
6) Chloroethane	2.70	64	110220	18.630	ug/l	98
7) Trichlorofluoromethane	3.01	101	246340	19.303	ug/l	97
8) Diethyl Ether	3.41	74	83335	19.588	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	147707	19.247	ug/l	98
10) Methyl Iodide	3.95	142	98677	10.018	ug/l	99
11) Tert butyl alcohol	4.80	59	52873	85.990	ug/l #	84
12) 1,1-Dichloroethene	3.74	96	134891	19.540	ug/l	97
13) Acrolein	3.61	56	22101	44.737	ug/l	93
14) Allyl chloride	4.32	41	200208	18.704	ug/l	99
15) Acrylonitrile	5.00	53	251102	93.604	ug/l	98
16) Acetone	3.82	43	194142	95.953	ug/l	99
17) Carbon Disulfide	4.05	76	385271	18.218	ug/l	99
18) Methyl Acetate	4.33	43	171888	21.523	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	374576	20.361	ug/l	99
20) Methylene Chloride	4.55	84	157502	20.517	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	145282	19.861	ug/l	95
22) Diisopropyl ether	5.96	45	458168	21.587	ug/l	98
23) Vinyl Acetate	5.90	43	1440020	96.008	ug/l	98
24) 1,1-Dichloroethane	5.85	63	280989	20.246	ug/l	99
25) 2-Butanone	6.84	43	283268	88.869	ug/l	99
26) 2,2-Dichloropropane	6.83	77	121066	11.466	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	161033	20.451	ug/l	95
28) Bromochloromethane	7.20	49	130332	20.588	ug/l	100
29) Tetrahydrofuran	7.22	42	189610	92.056	ug/l	99
30) Chloroform	7.37	83	284563	20.092	ug/l	97
31) Cyclohexane	7.66	56	226274	19.617	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	237325	19.590	ug/l	99
36) 1,1-Dichloropropene	7.80	75	201969	19.437	ug/l	98
37) Ethyl Acetate	6.94	43	128463	17.732	ug/l	98
38) Carbon Tetrachloride	7.78	117	211054	19.142	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	197222	18.450	ug/l	99
40) Benzene	8.04	78	623110	19.707	ug/l	98
41) Methacrylonitrile	7.18	41	72953	21.020	ug/l #	77
42) 1,2-Dichloroethane	8.13	62	203981	19.337	ug/l	99
43) Isopropyl Acetate	8.17	43	277301	19.619	ug/l	94
44) Trichloroethene	8.84	130	161399	18.996	ug/l	98
45) 1,2-Dichloropropane	9.12	63	166979	19.938	ug/l	99
46) Dibromomethane	9.21	93	99066	19.050	ug/l	98
47) Bromodichloromethane	9.40	83	211571	19.277	ug/l	98
48) Methyl methacrylate	9.20	41	115557	18.521	ug/l	99
49) 1,4-Dioxane	9.20	88	29475	347.133	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	658542	92.468	ug/l	99
52) Toluene	10.16	92	374485	20.064	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	184801	17.844	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	219339	18.531	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	143990	19.450	ug/l	99
56) Ethyl methacrylate	10.43	69	167745	18.078	ug/l	98
57) 1,3-Dichloropropane	10.71	76	234917	19.487	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	378465	86.548	ug/l	100
59) 2-Hexanone	10.75	43	419239	83.627	ug/l	99
60) Dibromochloromethane	10.90	129	156869	19.138	ug/l	99
61) 1,2-Dibromoethane	11.01	107	137022	18.654	ug/l	100
64) Tetrachloroethene	10.63	164	156293	20.068	ug/l	97
65) Chlorobenzene	11.44	112	399082	19.503	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	153072	19.470	ug/l	98
67) Ethyl Benzene	11.51	91	659640	20.068	ug/l	99
68) m/p-Xylenes	11.63	106	509400	40.973	ug/l	99
69) o-Xylene	11.95	106	244893	20.663	ug/l	100
70) Styrene	11.97	104	387553	18.969	ug/l	99
71) Bromoform	12.13	173	104793	18.323	ug/l #	98
73) Isopropylbenzene	12.25	105	650206	21.380	ug/l	100
74) N-amyl acetate	12.07	43	171679	18.471	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	175187	20.525	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	156356m	21.456	ug/l	
77) Bromobenzene	12.53	156	169615	20.123	ug/l	100
78) n-propylbenzene	12.59	91	724070	21.301	ug/l	99
79) 2-Chlorotoluene	12.68	91	452522	21.478	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	533708	22.311	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35284	15.357	ug/l	92
82) 4-Chlorotoluene	12.78	91	437404	20.965	ug/l	98
83) tert-Butylbenzene	12.99	119	449934	21.553	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	538971	22.353	ug/l	100
85) sec-Butylbenzene	13.17	105	596283	21.377	ug/l	100
86) p-Isopropyltoluene	13.29	119	505228	21.496	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	284580	19.917	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	278066	19.966	ug/l	98
89) n-Butylbenzene	13.62	91	386187	19.982	ug/l	99
90) Hexachloroethane	13.88	117	100265	19.212	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	290989	20.372	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25292	18.148	ug/l	98

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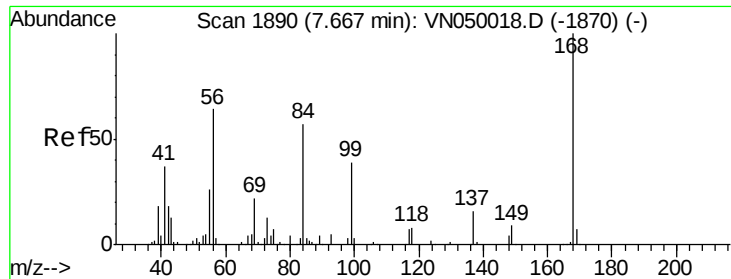
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	117282	17.613	ug/l	95
94) Hexachlorobutadiene	15.01	225	83366	19.065	ug/l	99
95) Naphthalene	15.14	128	253752	17.334	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	124641	18.354	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050160.D

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ClientSampleId :

VN0727WBSD03

Tot Ion:168 Resp: 598947

Ion Ratio Lower Upper

168 100

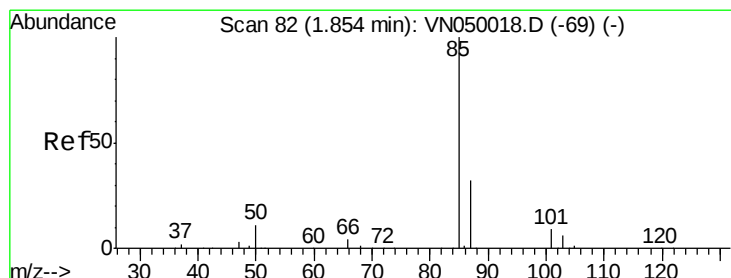
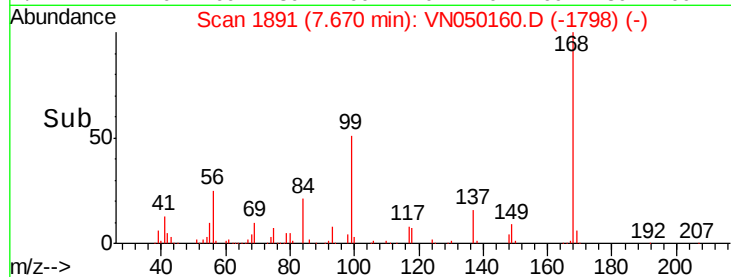
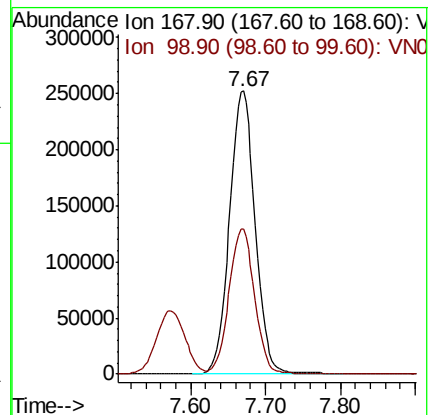
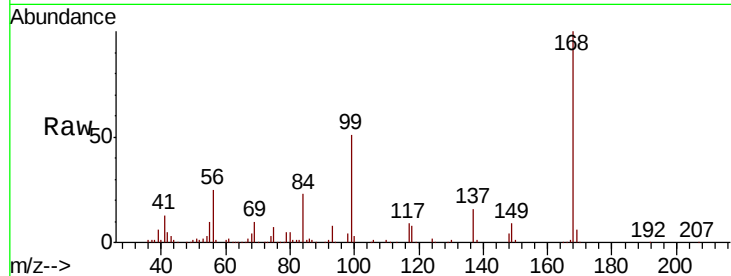
99 51.1 40.0 60.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.566 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050160.D

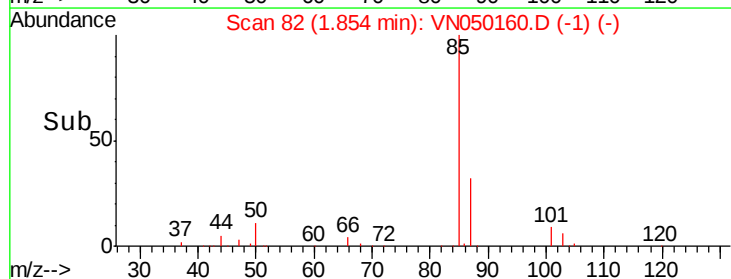
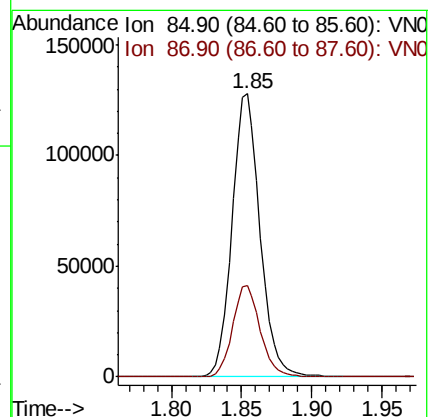
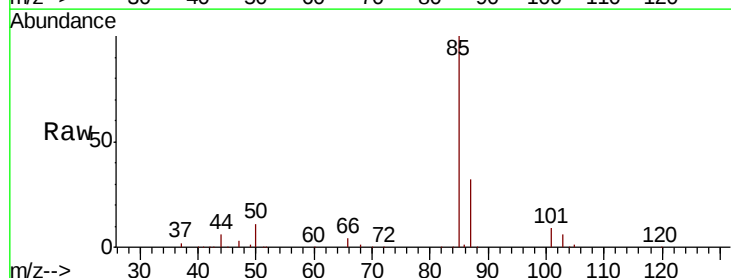
Acq: 28 Jul 2018 4:39

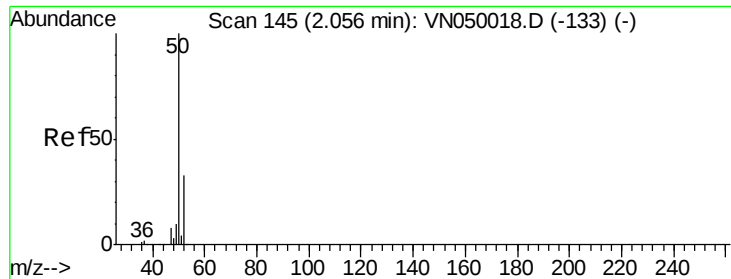
Tgt Ion: 85 Resp: 176993

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3





#3

Chloromethane

Concen: 18.908 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

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ClientSampleId :

VN0727WBSD03

Tot Ion: 50 Resp: 176880

Ion Ratio Lower Upper

50 100

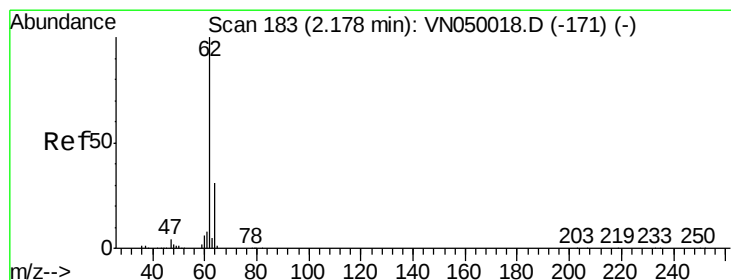
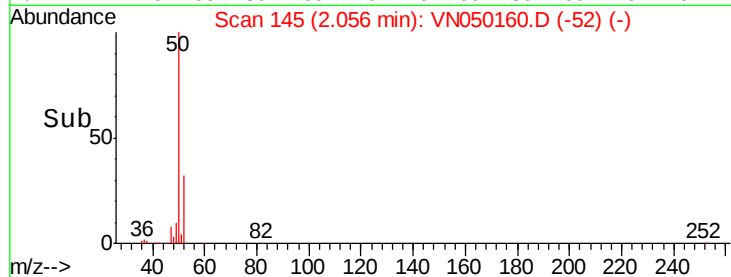
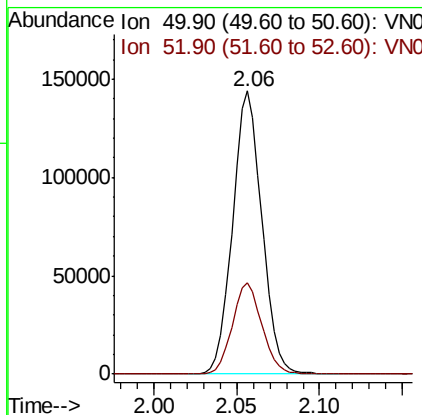
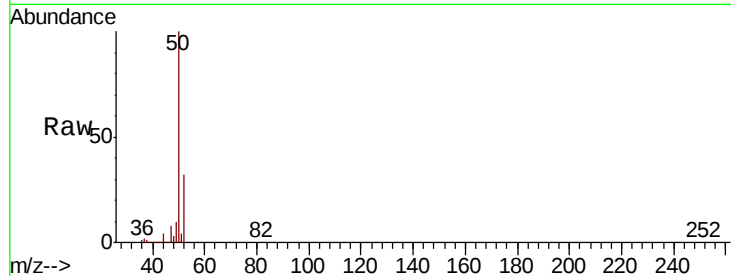
52 32.3 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.889 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050160.D

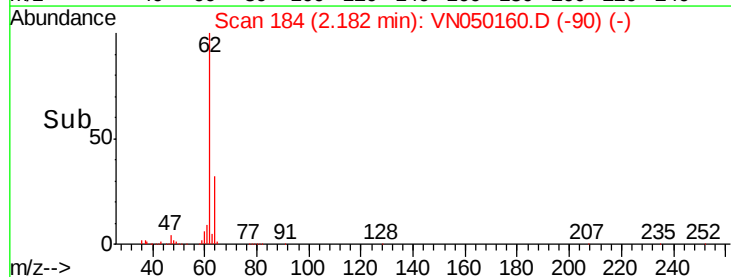
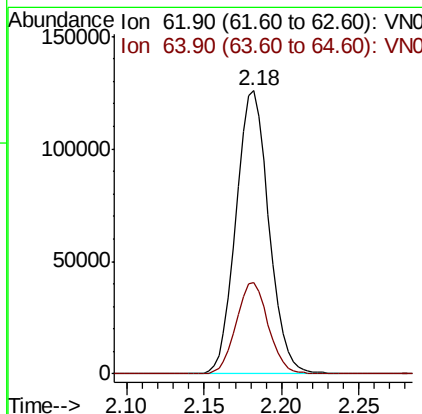
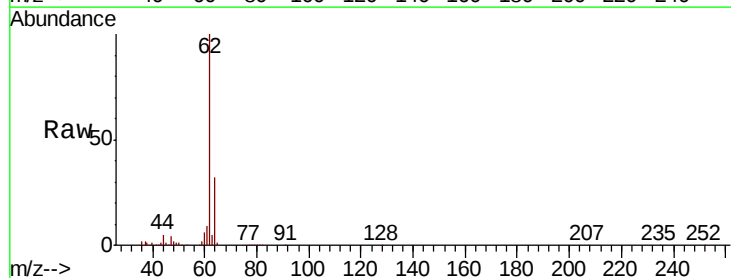
Acq: 28 Jul 2018 4:39

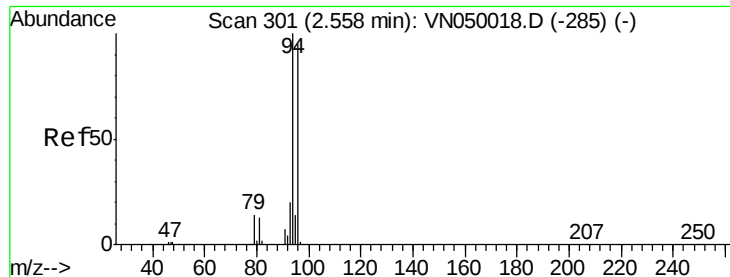
Tgt Ion: 62 Resp: 186076

Ion Ratio Lower Upper

62 100

64 32.4 24.7 37.1





#5

Bromomethane

Concen: 12.927 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 74787

Ion Ratio Lower Upper

94 100

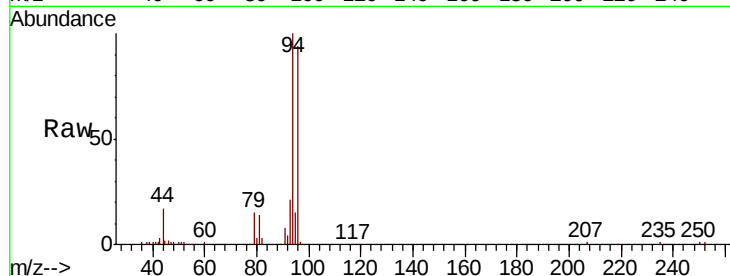
96 93.3 74.6 112.0

Manual Integrations

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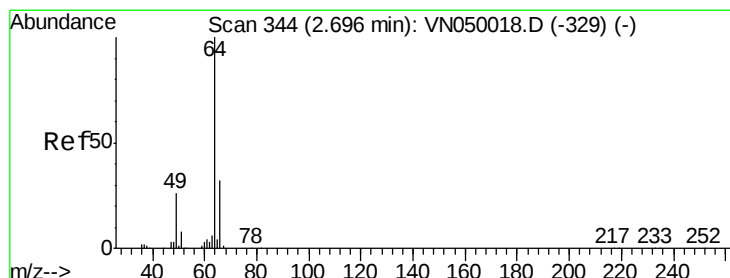
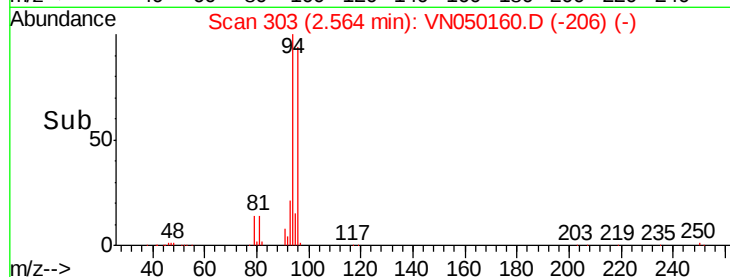
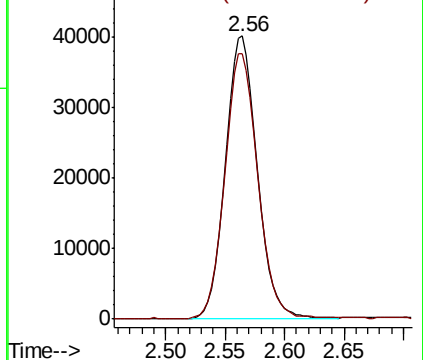
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.630 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050160.D

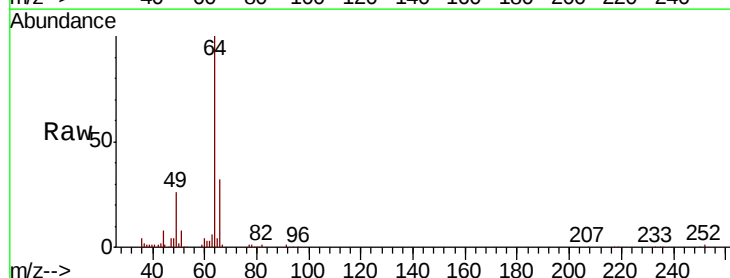
Acq: 28 Jul 2018 4:39

Tgt Ion: 64 Resp: 110220

Ion Ratio Lower Upper

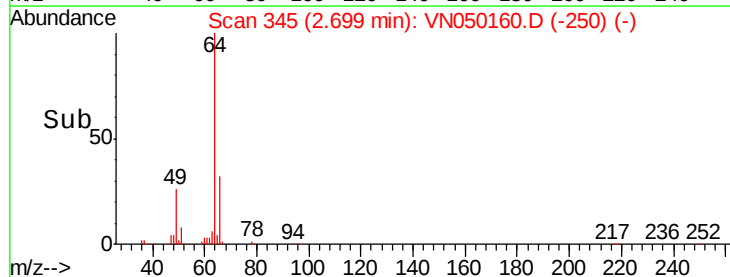
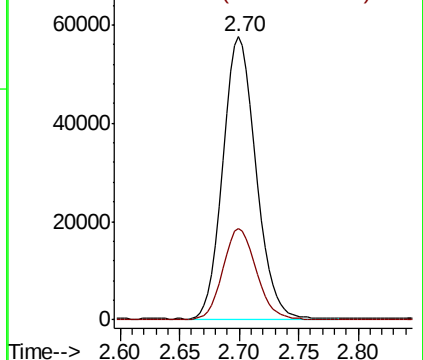
64 100

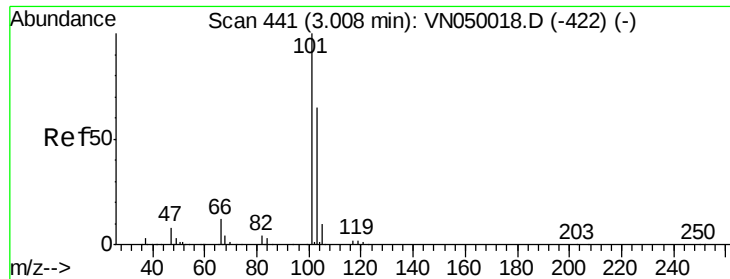
66 32.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

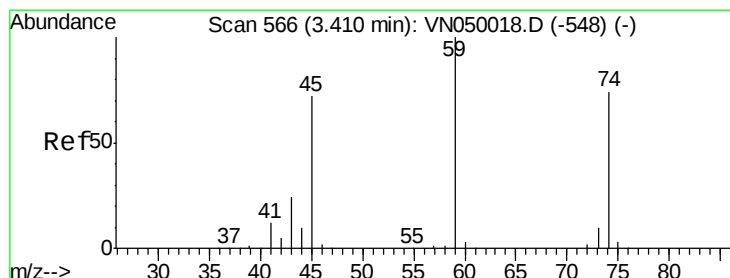
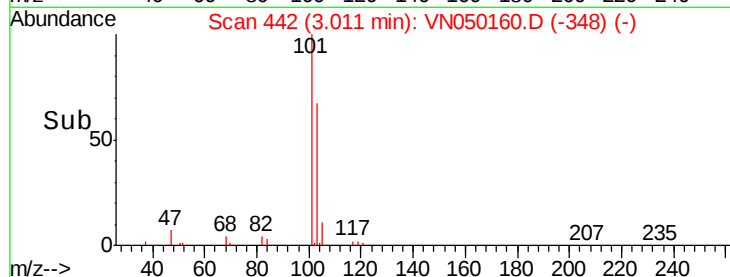
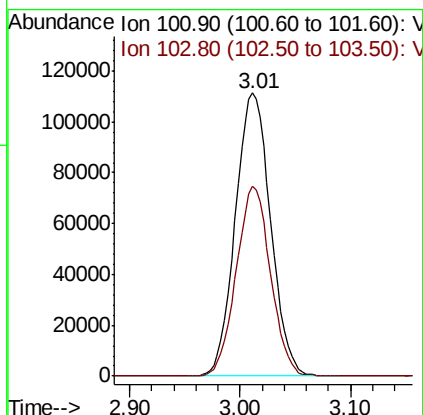
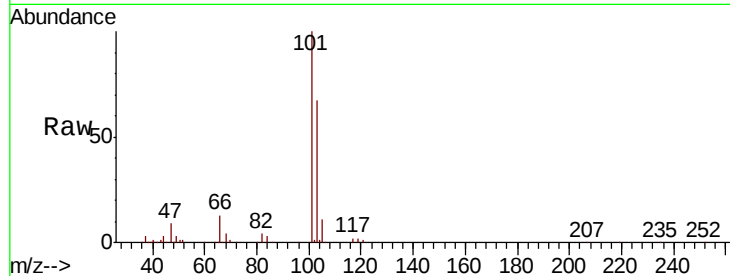
Trichlorofluoromethane
Concen: 19.303 ug/l
RT: 3.01 min Scan# 442
Delta R.T. 0.00 min
Lab File: VN050160.D
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Tot Ion:101 Resp: 246340
Ion Ratio Lower Upper
101 100
103 66.9 51.7 77.5

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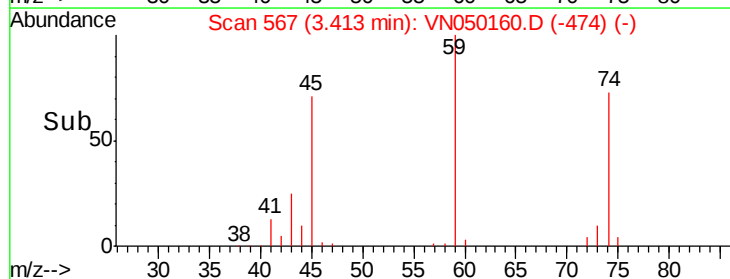
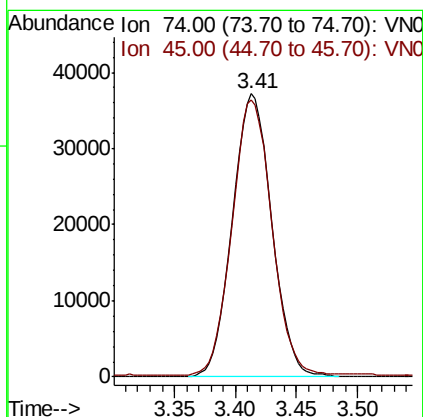
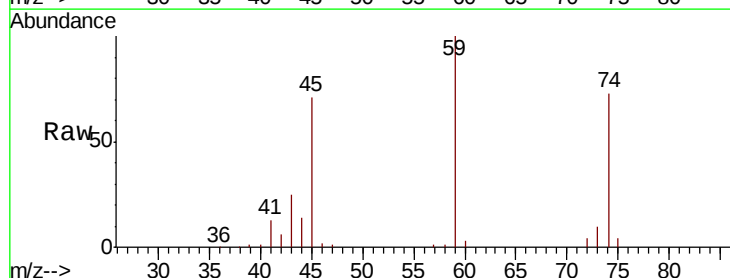
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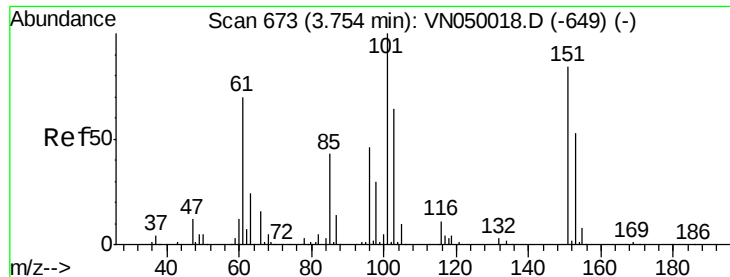


#8

Diethyl Ether
Concen: 19.588 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion: 74 Resp: 83335
Ion Ratio Lower Upper
74 100
45 98.5 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.247 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

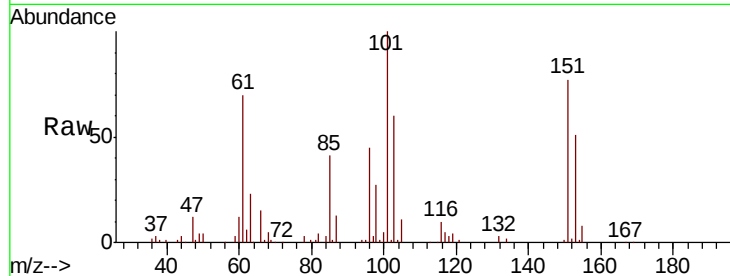
ClientSampleId :

VN0727WBSD03

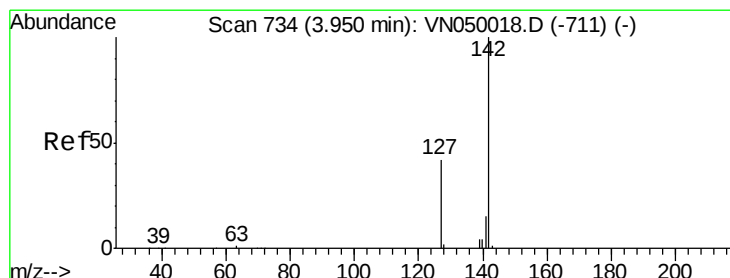
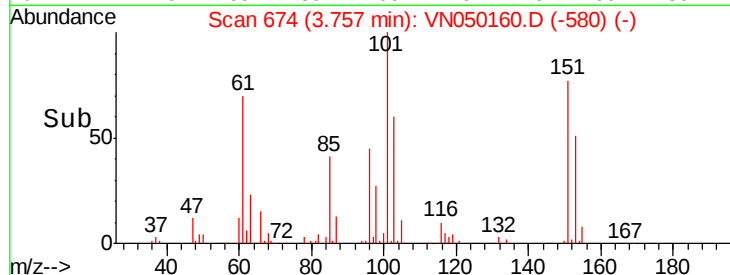
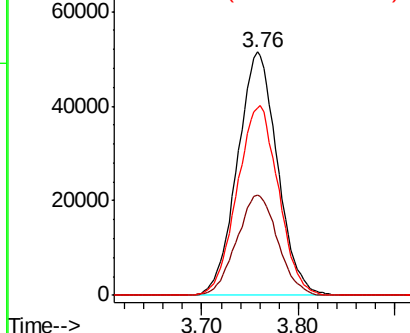
Tot Ion:	101	Resp:	147707
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.2
151	80.4	66.3	99.5

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



#10

Methyl Iodide

Concen: 10.018 ug/l

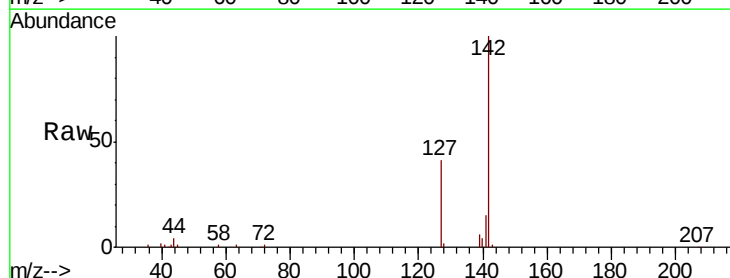
RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

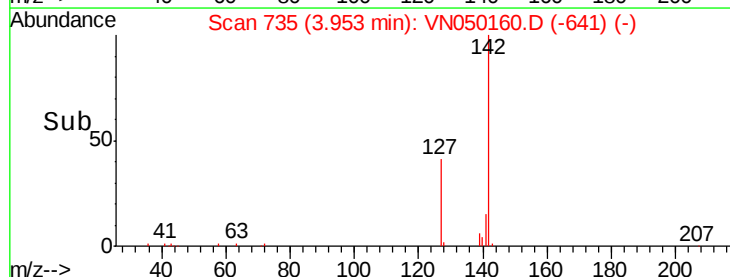
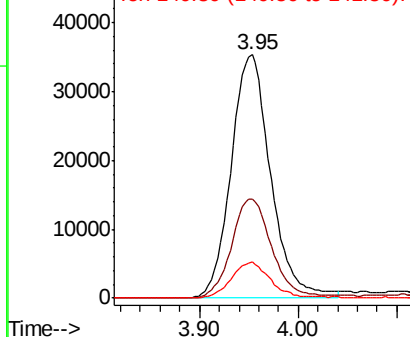
Lab File: VN050160.D

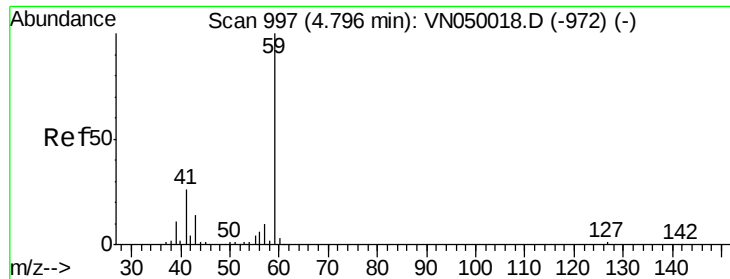
Acq: 28 Jul 2018 4:39

Tgt Ion:	142	Resp:	98677
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.4	50.2
141	14.3	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

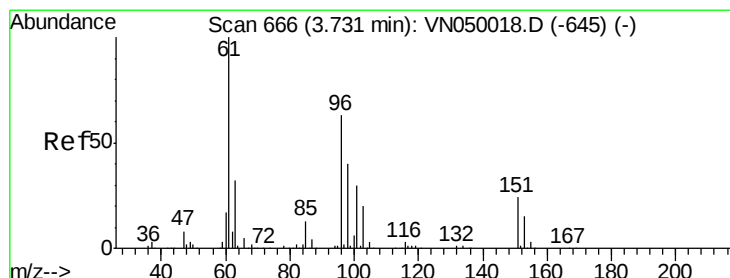
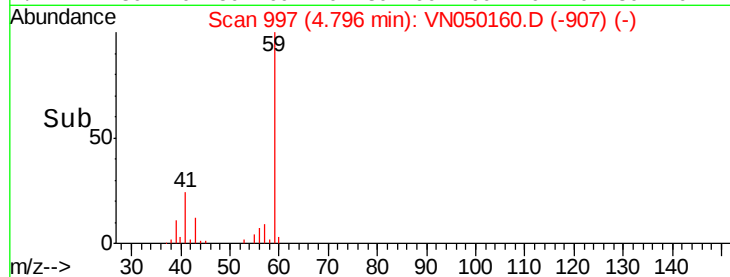
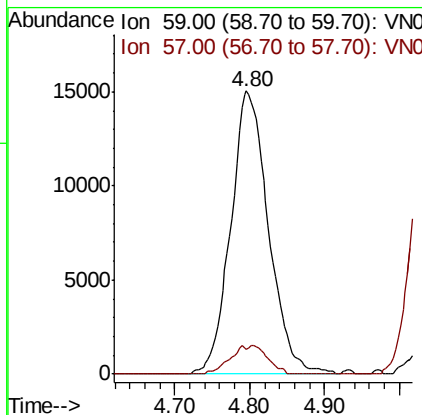
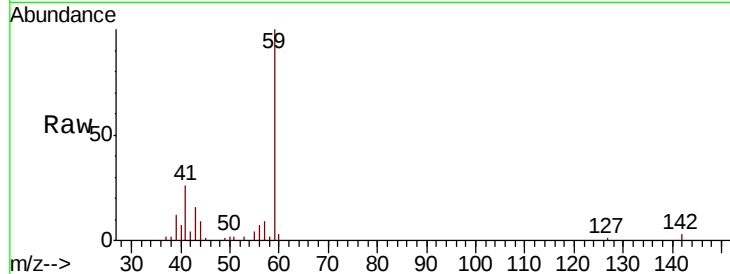
Tert butyl alcohol
 Concen: 85.990 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. -0.01 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.7	8.5	12.7#

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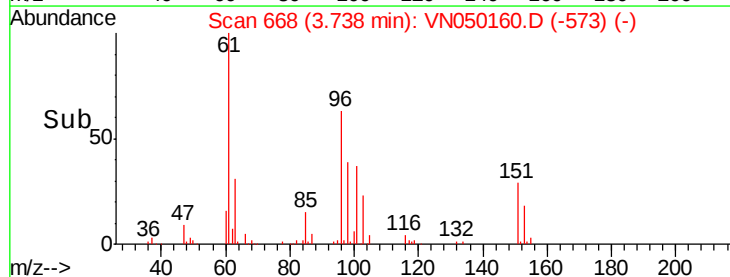
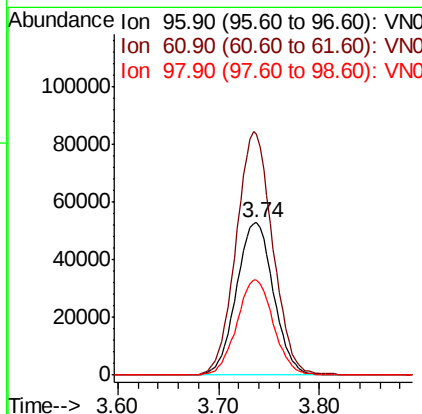
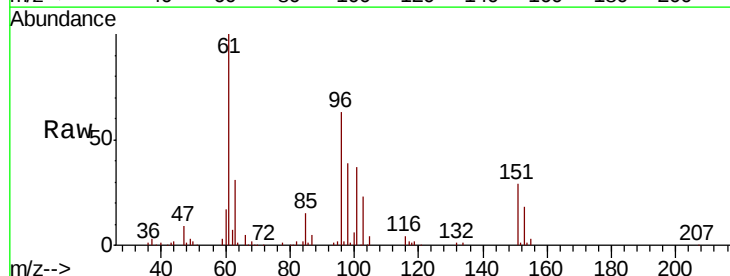
MMDadoda
 7/30/2018 1:37:21 PM

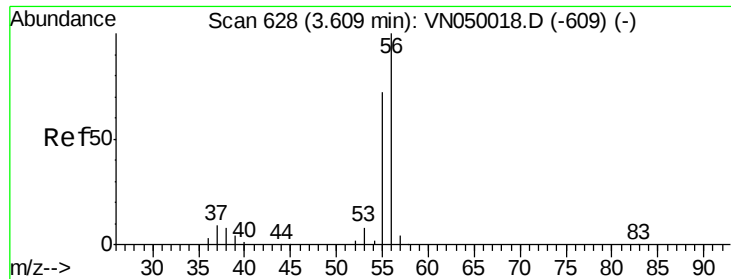


#12

1,1-Dichloroethene
 Concen: 19.540 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	124.4	186.6
98	62.3	48.3	72.5





#13

Acrolein

Concen: 44.737 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD03

Tot Ion: 56 Resp: 22101

Ion Ratio Lower Upper

56 100

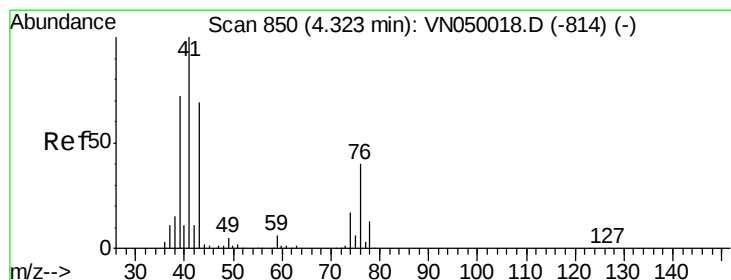
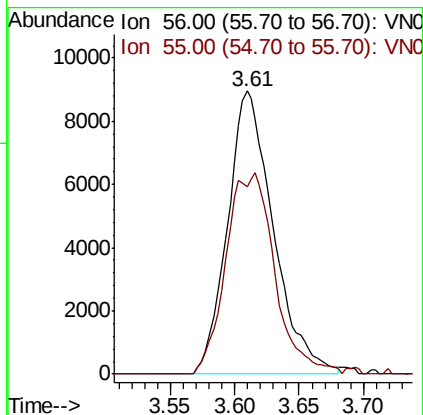
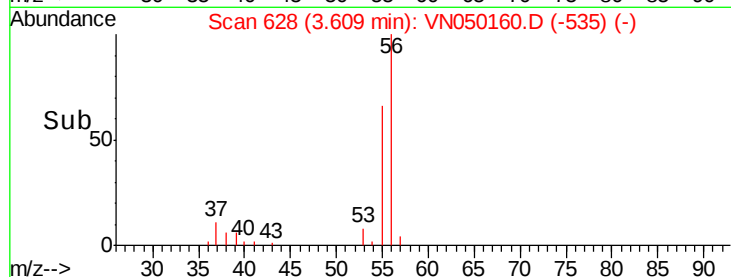
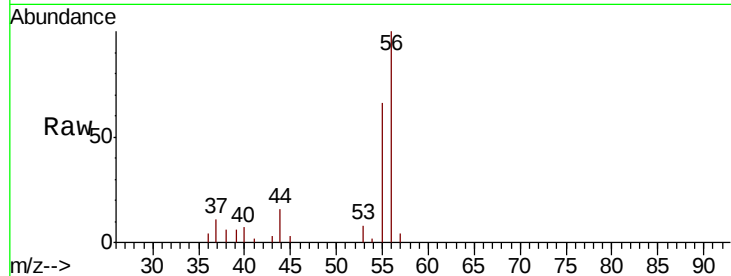
55 75.6 55.8 83.6

Manual Integrations

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#14

Allyl chloride

Concen: 18.704 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

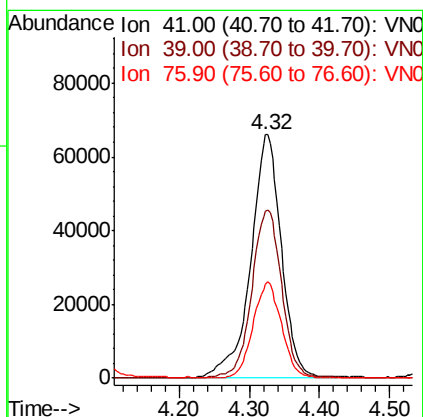
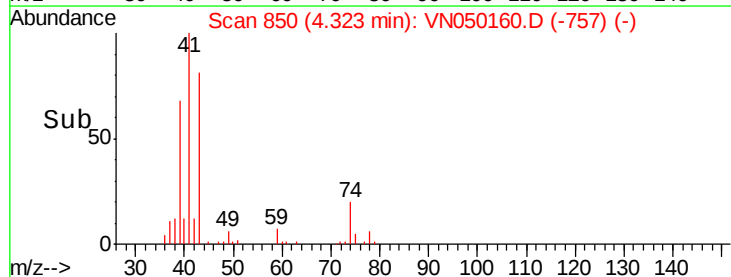
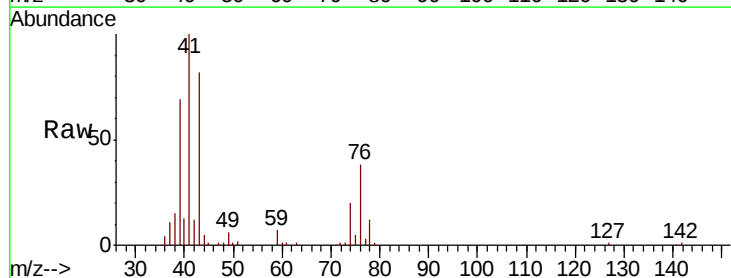
Tgt Ion: 41 Resp: 200208

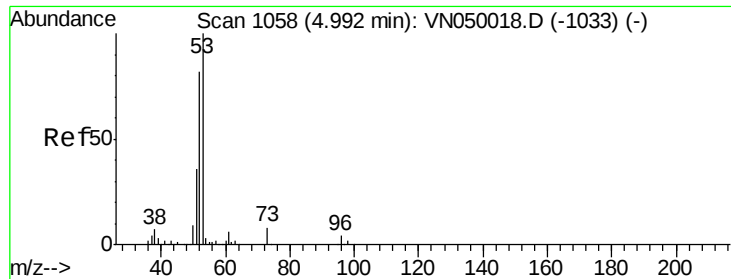
Ion Ratio Lower Upper

41 100

39 67.2 54.2 81.4

76 35.9 29.0 43.6





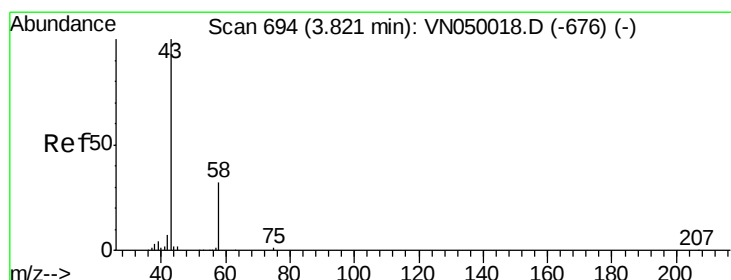
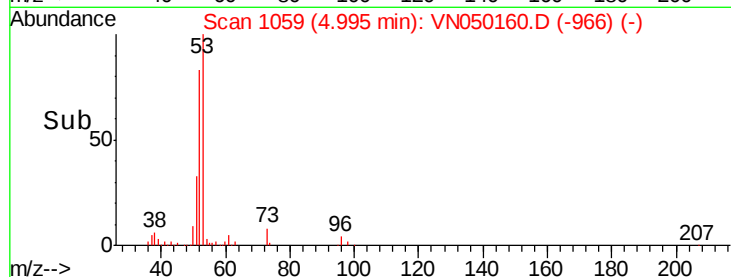
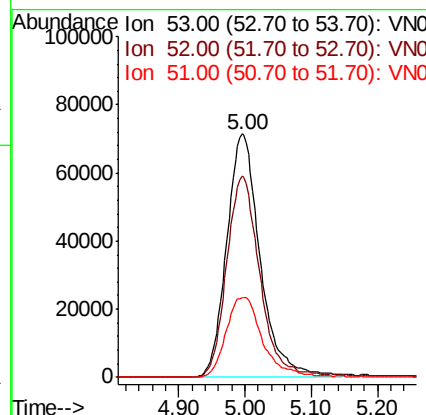
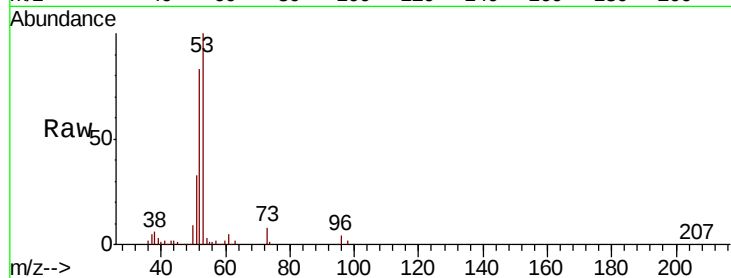
#15
 Acrylonitrile
 Concen: 93.604 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.2	99.2
51	35.3	29.3	43.9

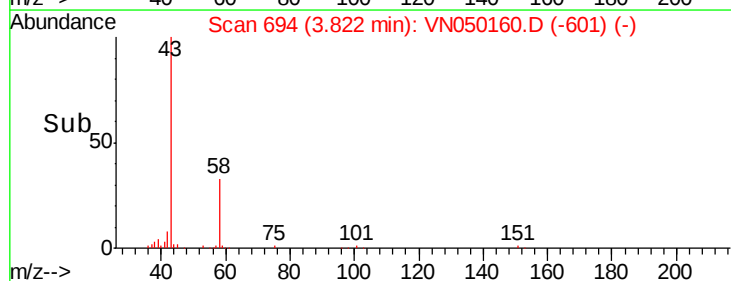
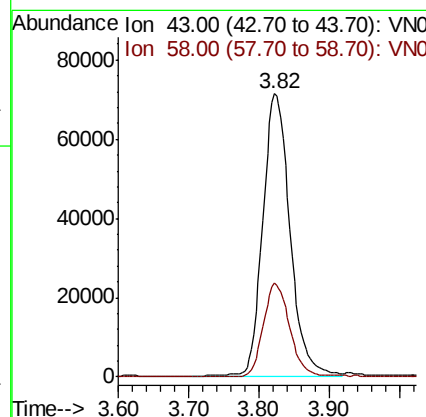
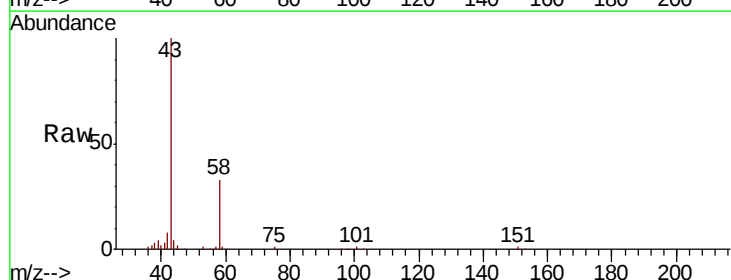
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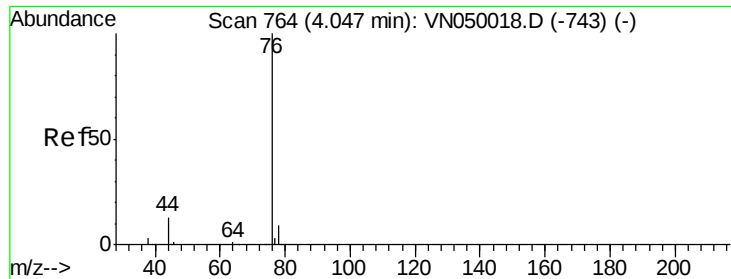
MMDadoda
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#16
 Acetone
 Concen: 95.953 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.8	38.8





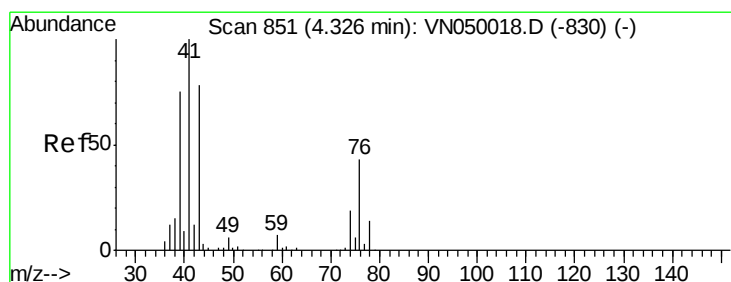
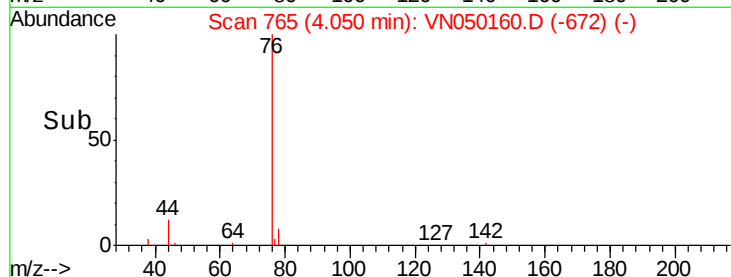
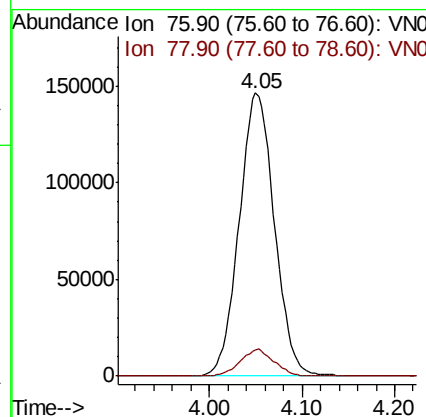
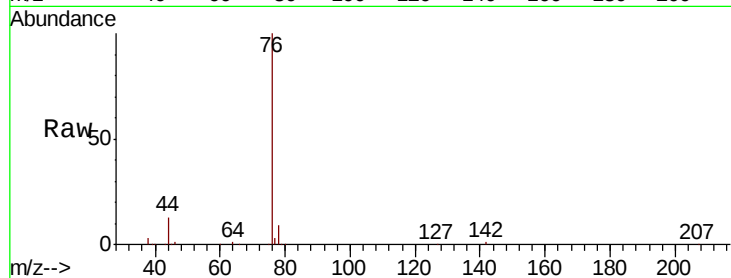
#17
Carbon Disulfide
Concen: 18.218 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

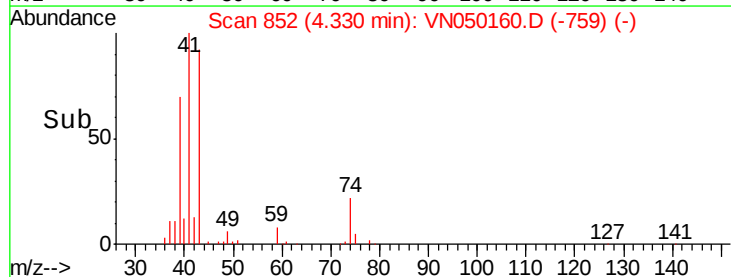
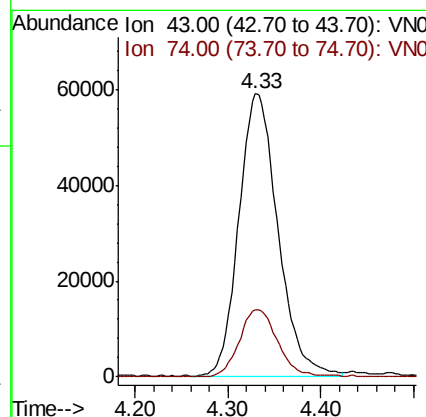
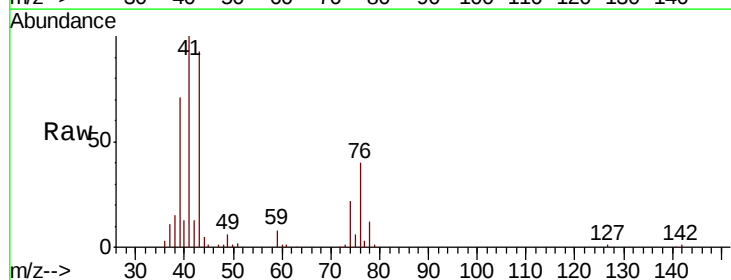
Manual Integrations
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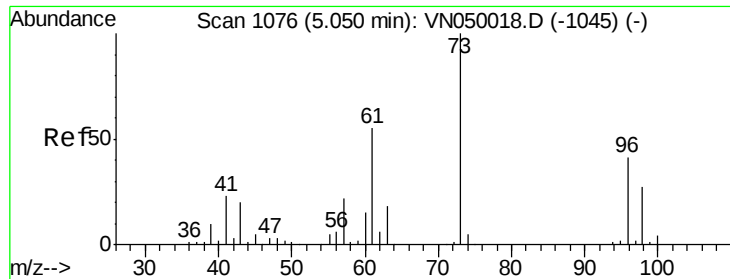
MMDadoda
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#18
Methyl Acetate
Concen: 21.523 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.2	28.8





#19

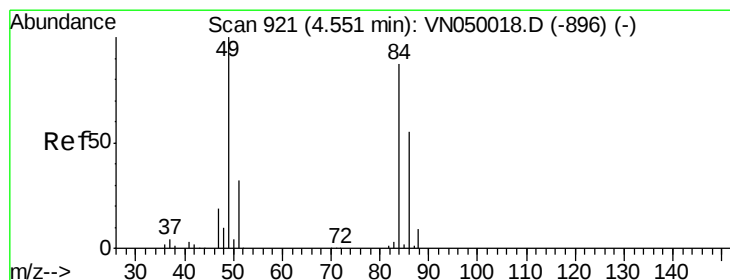
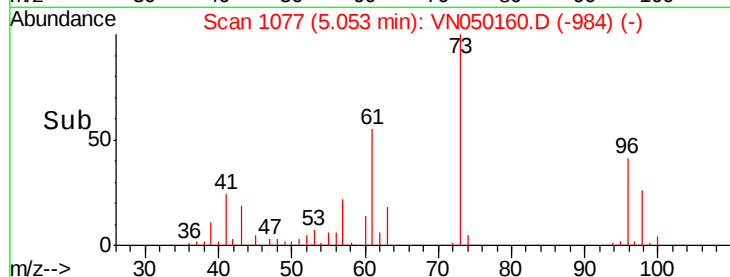
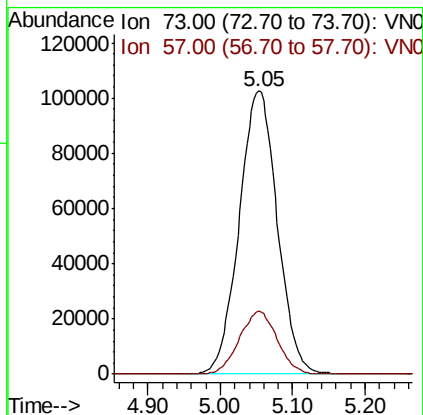
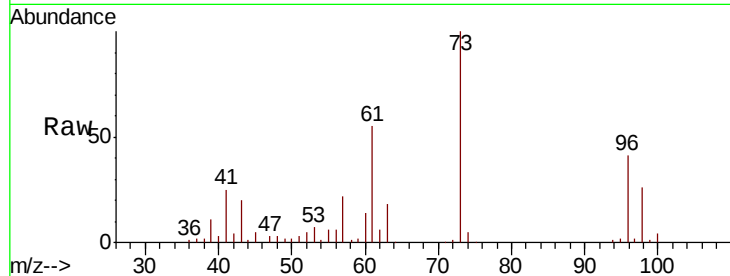
Methyl tert-butyl Ether
 Concen: 20.361 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

Tot Ion: 73 Resp: 374576
 Ion Ratio Lower Upper
 73 100
 57 22.2 18.0 27.0

Manual Integrations
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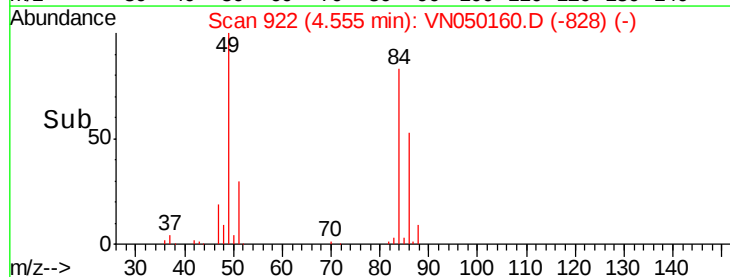
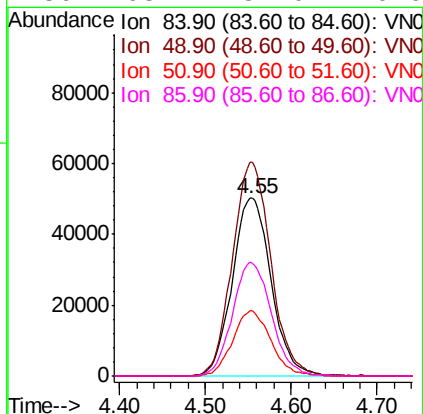
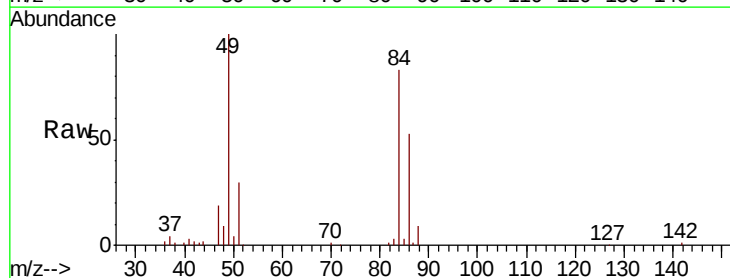
MMDadoda
 7/30/2018 1:37:21 PM

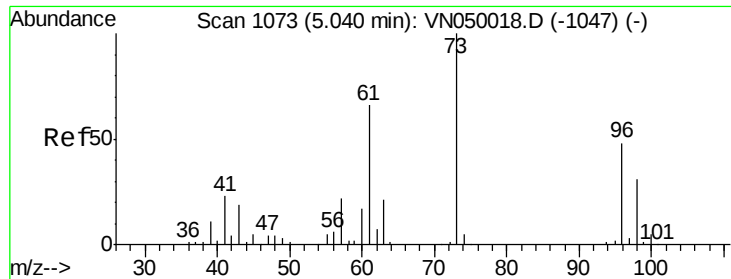


#20

Methylene Chloride
 Concen: 20.517 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion: 84 Resp: 157502
 Ion Ratio Lower Upper
 84 100
 49 120.3 94.8 142.2
 51 36.6 28.3 42.5
 86 63.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.861 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD03

Tot Ion: 96 Resp: 145282

Ion Ratio Lower Upper

96 100

61 132.6 110.7 166.1

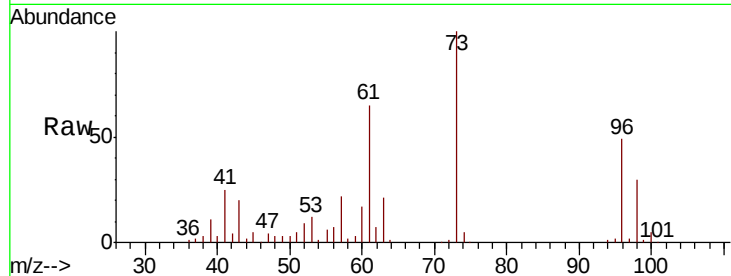
98 60.9 51.6 77.4

Manual Integrations

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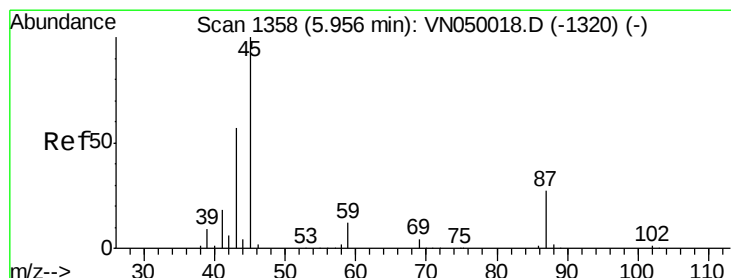
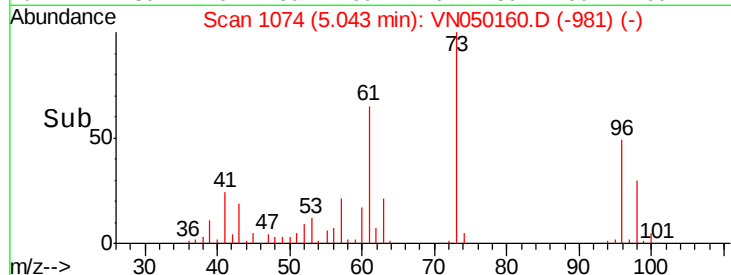
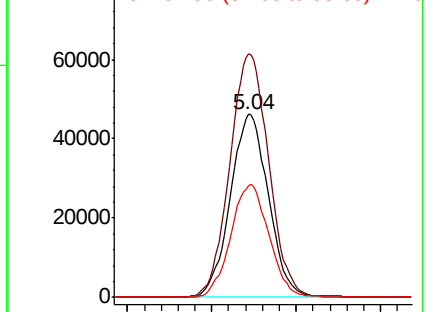


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.587 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Tgt Ion: 45 Resp: 458168

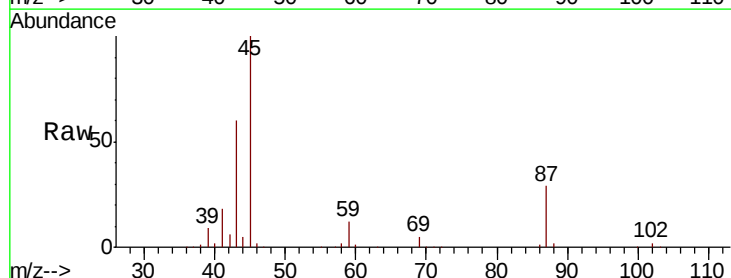
Ion Ratio Lower Upper

45 100

43 58.8 45.7 68.5

87 28.6 22.7 34.1

59 11.6 9.5 14.3



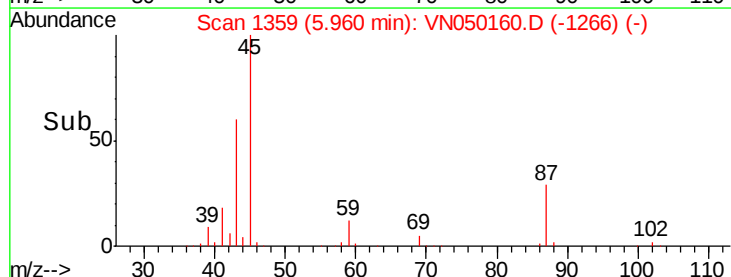
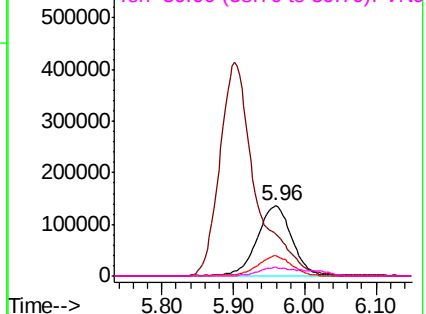
Abundance

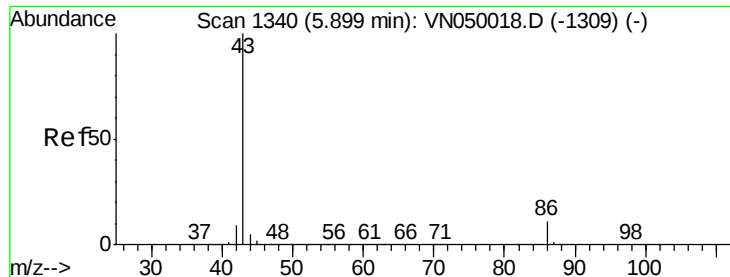
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 96.008 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD03

Tot Ion: 43 Resp: 1440020

Ion Ratio Lower Upper

43 100

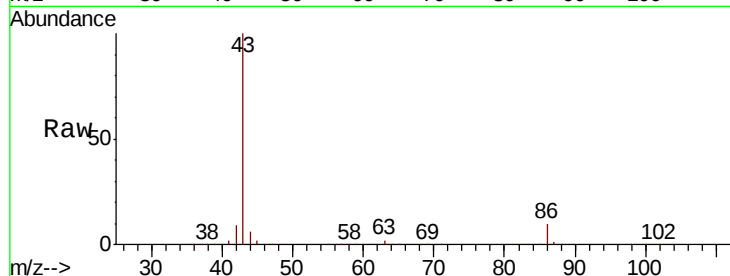
86 10.2 8.6 13.0

Manual Integrations

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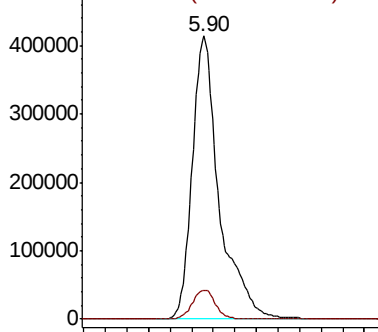
MMDadoda

7/30/2018 1:37:21 PM

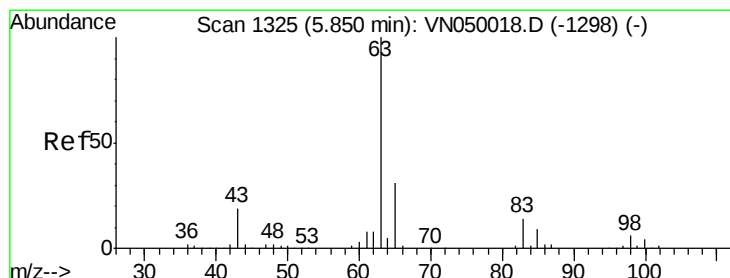
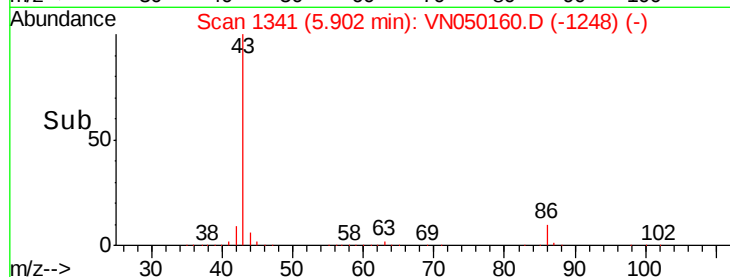


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.246 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

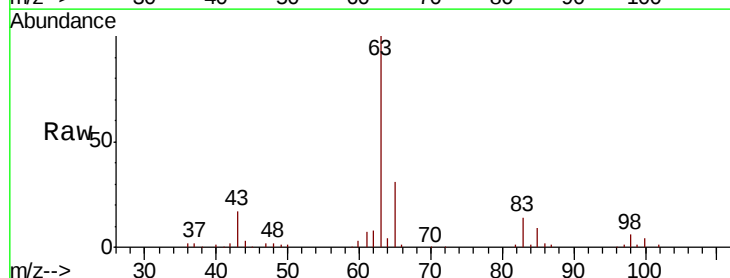
Tgt Ion: 63 Resp: 280989

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

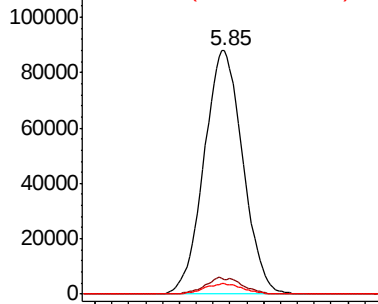
100 4.2 2.1 6.3



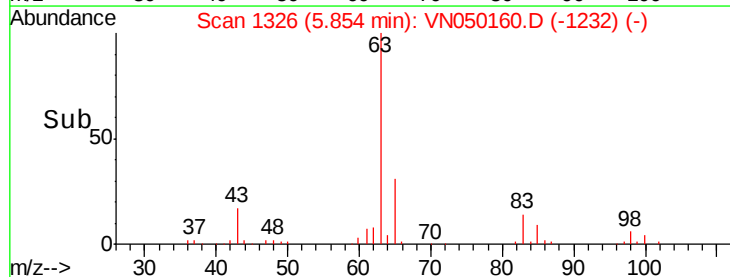
Abundance Ion 62.90 (62.60 to 63.60): VN0

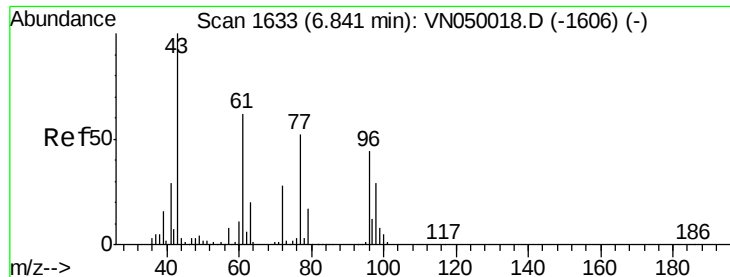
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 88.869 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD03

Tot Ion: 43 Resp: 283268

Ion Ratio Lower Upper

43 100

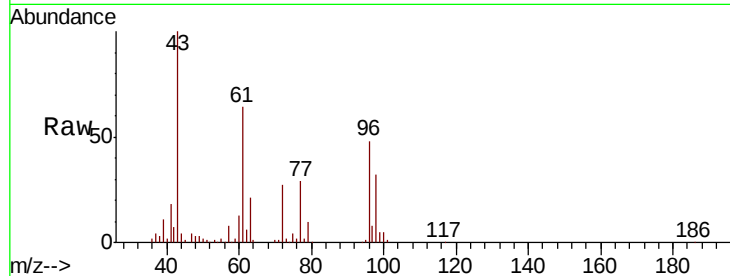
72 27.4 21.5 32.3

Manual Integrations

APPROVED

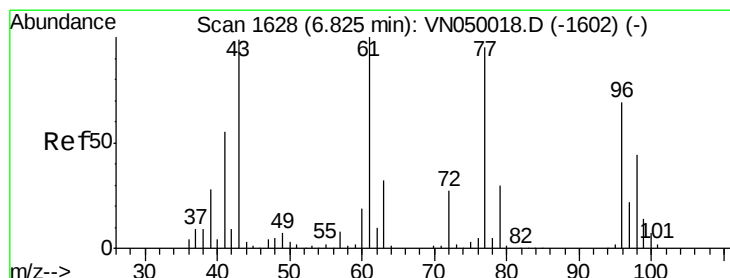
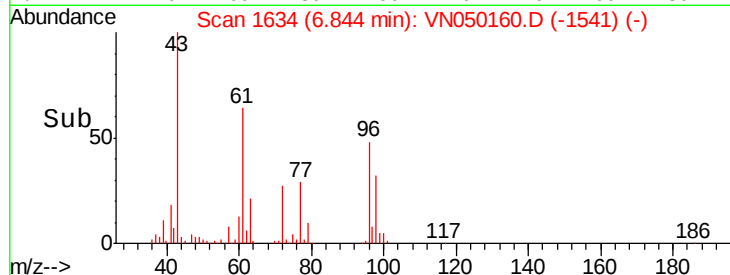
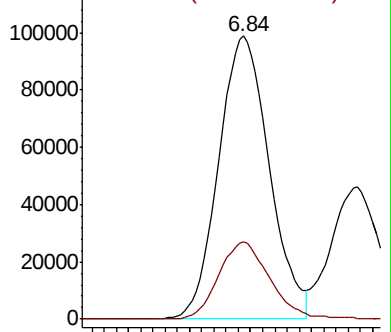
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 11.466 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050160.D

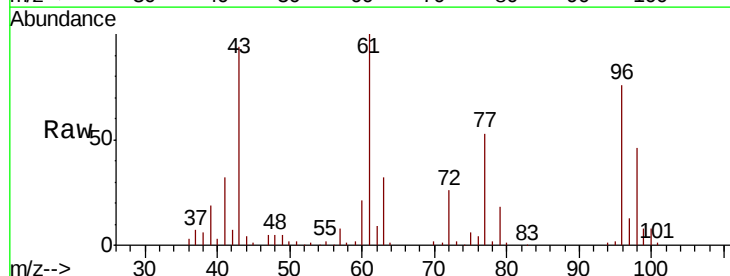
Acq: 28 Jul 2018 4:39

Tgt Ion: 77 Resp: 121066

Ion Ratio Lower Upper

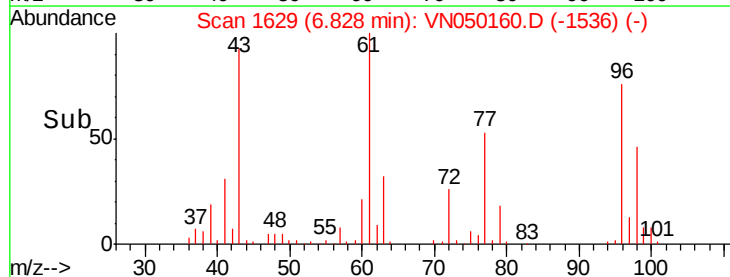
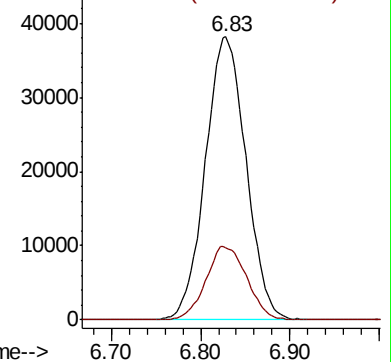
77 100

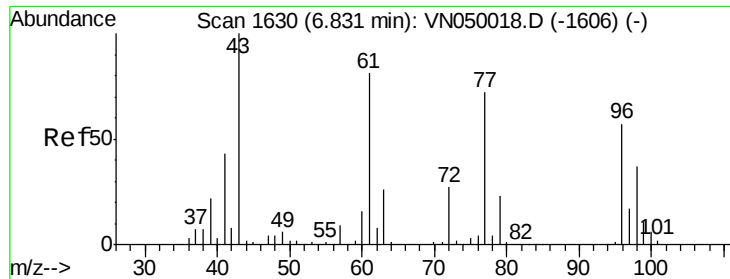
97 26.0 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





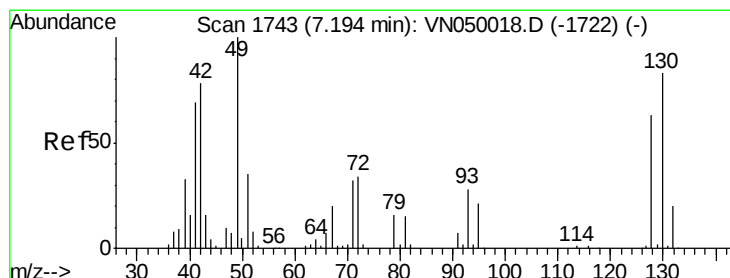
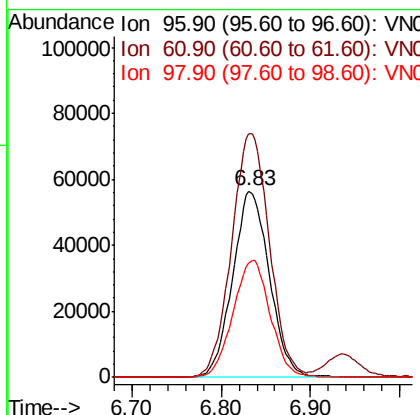
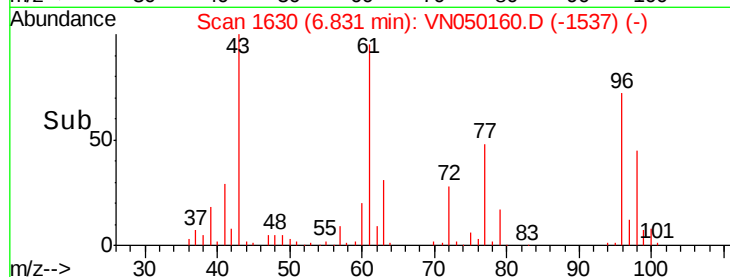
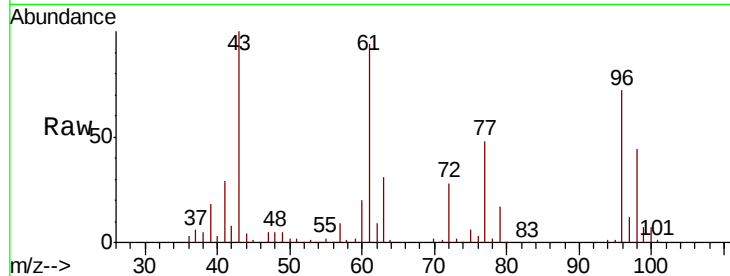
#27
 cis-1,2-Dichloroethene
 Concen: 20.451 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.9	0.0	285.0
98	63.8	0.0	129.2

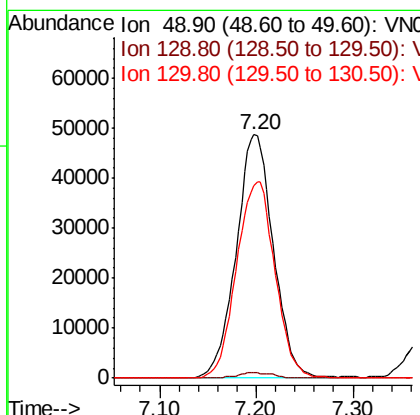
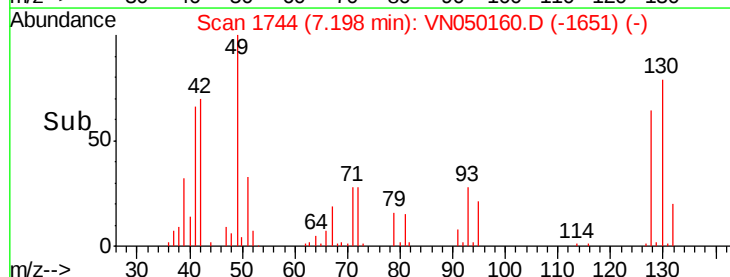
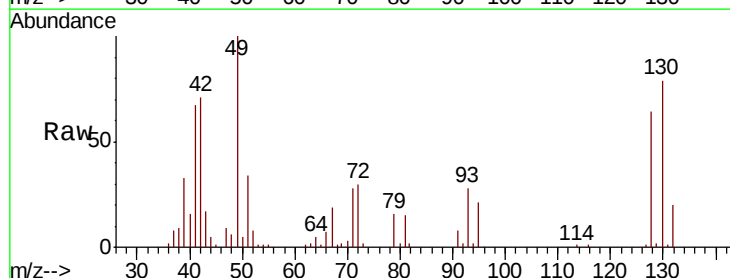
Manual Integrations
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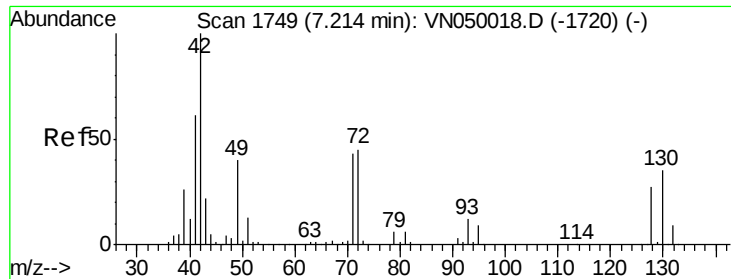
MMDadoda
 7/30/2018 1:37:21 PM



#28
 Bromochloromethane
 Concen: 20.588 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	83.1	66.3	99.5





#29

Tetrahydrofuran

Concen: 92.056 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

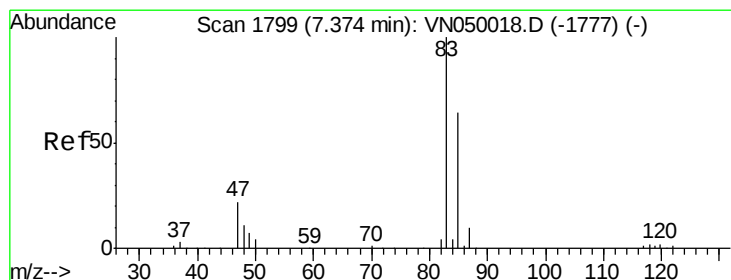
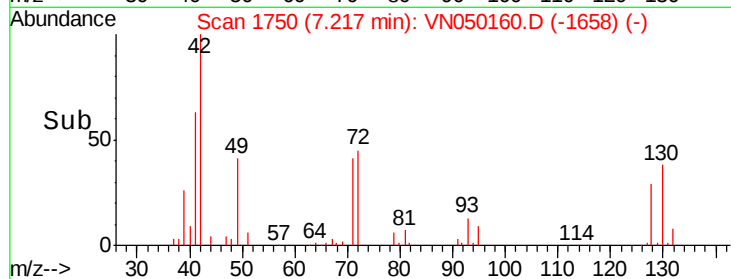
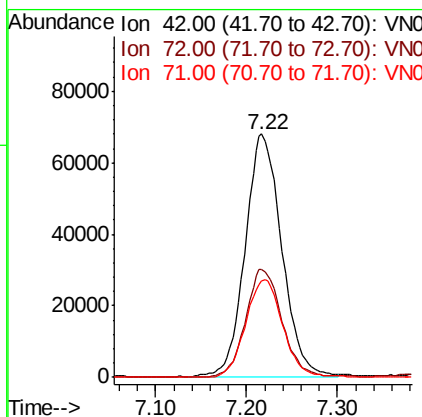
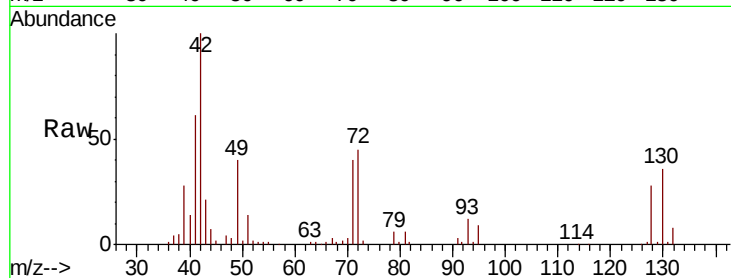
ClientSampleId :

VN0727WBSD03

Tot Ion:	42	Resp:	189610
Ion Ratio		Lower	Upper
42	100		
72	44.2	35.9	53.9
71	40.9	33.7	50.5

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#30

Chloroform

Concen: 20.092 ug/l

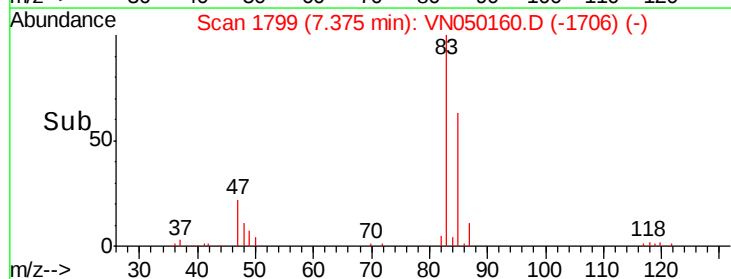
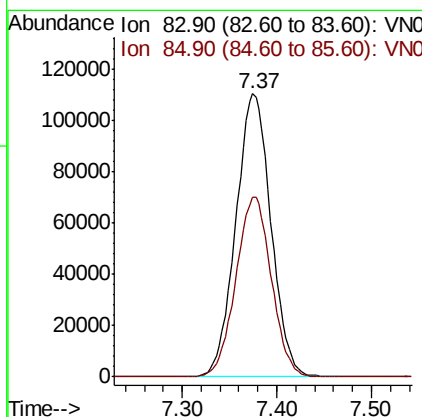
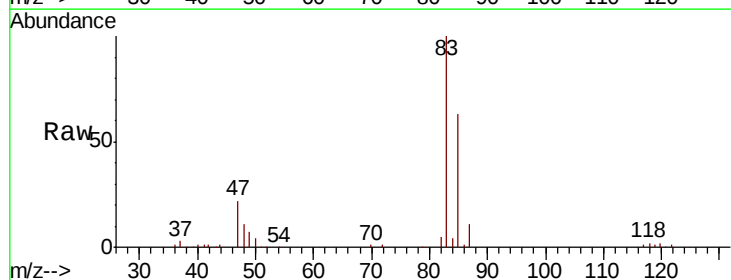
RT: 7.37 min Scan# 1799

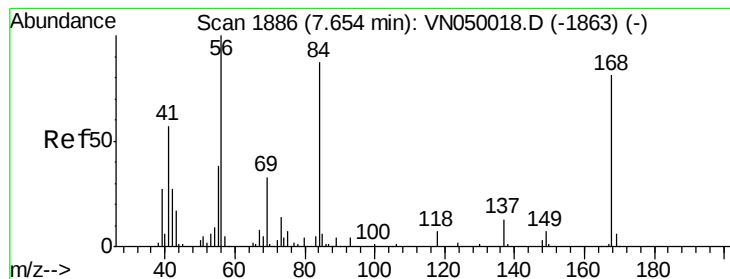
Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Tgt Ion:	83	Resp:	284563
Ion Ratio		Lower	Upper
83	100		
85	63.3	52.5	78.7





#31

Cyclohexane

Concen: 19.617 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD03

Tot Ion: 56 Resp: 226274

Ion Ratio Lower Upper

56 100

69 36.6 26.2 39.4

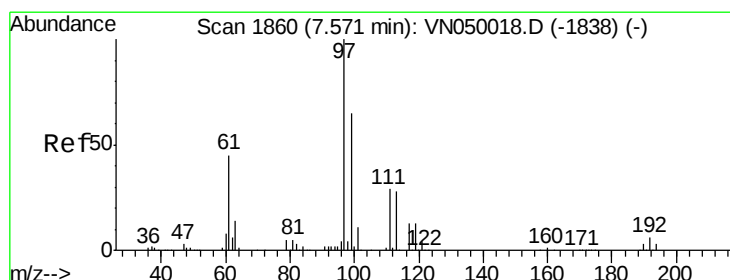
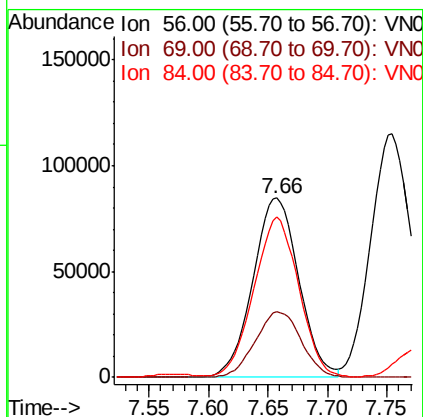
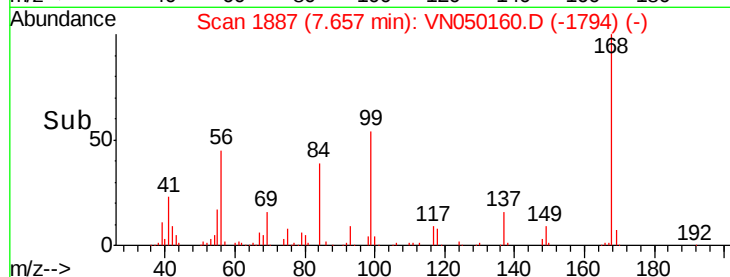
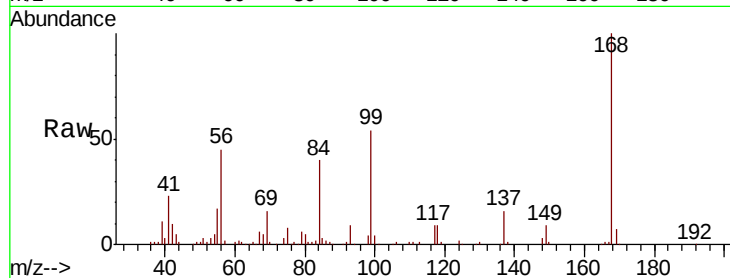
84 88.4 67.4 101.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.590 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

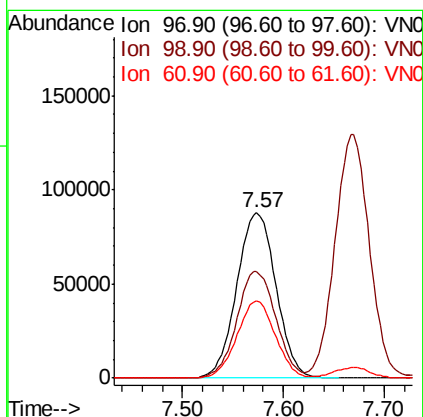
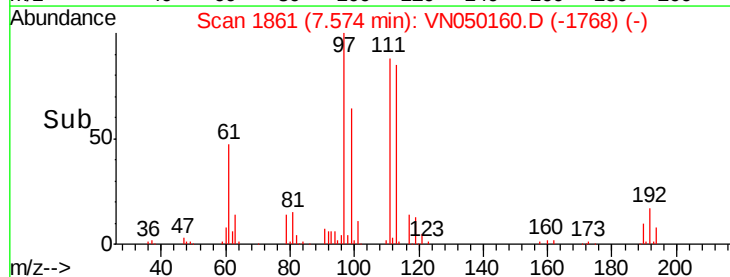
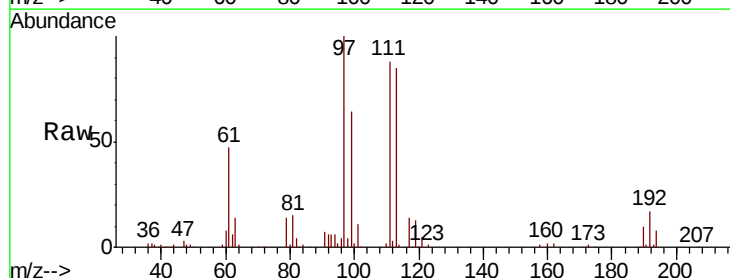
Tgt Ion: 97 Resp: 237325

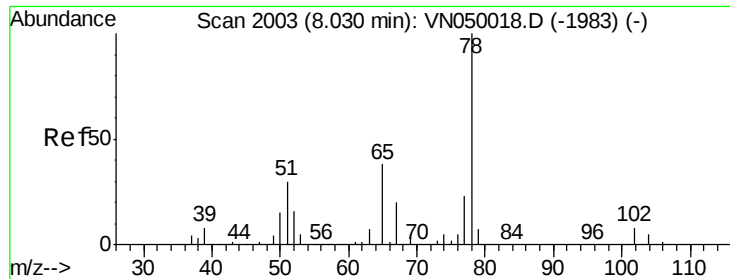
Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.0

61 45.6 35.4 53.0





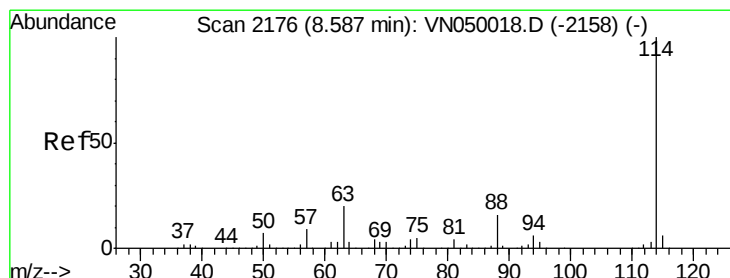
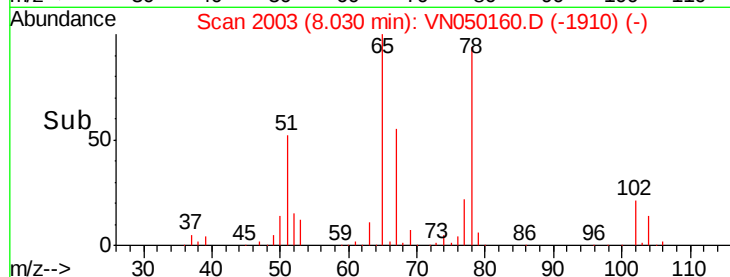
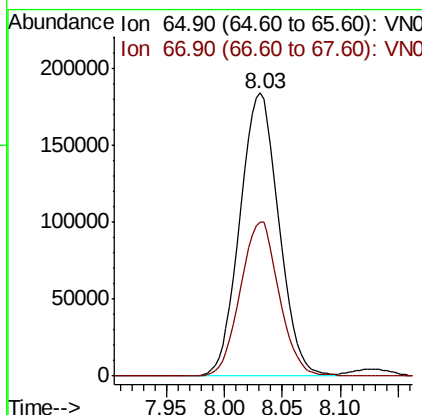
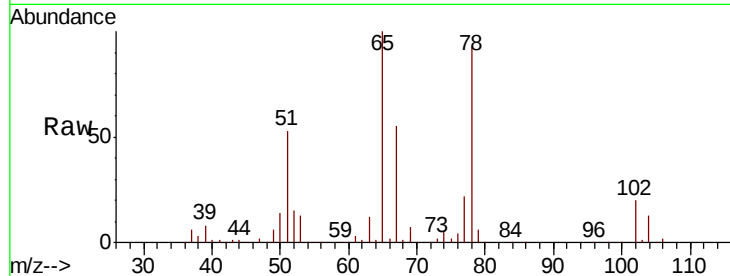
#33
 1,2-Dichloroethane-d4
 Concen: 51.532 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

Tot Ion: 65 Resp: 430635
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.4

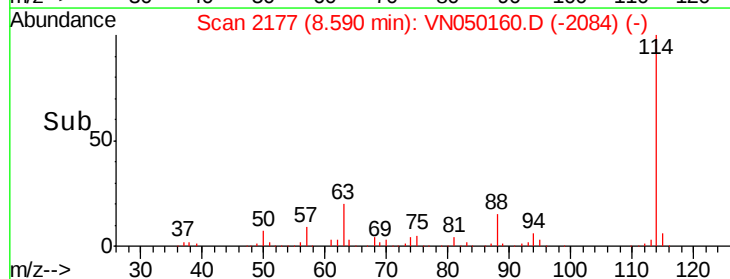
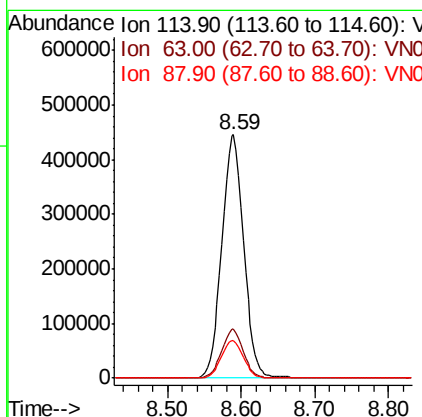
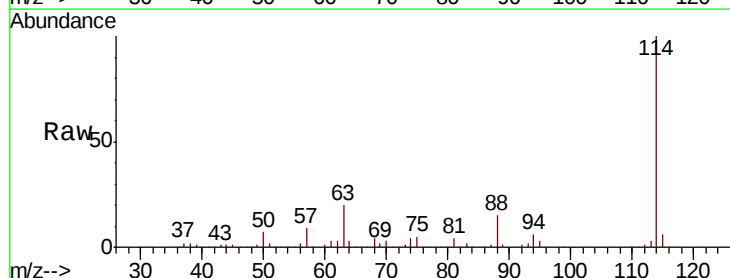
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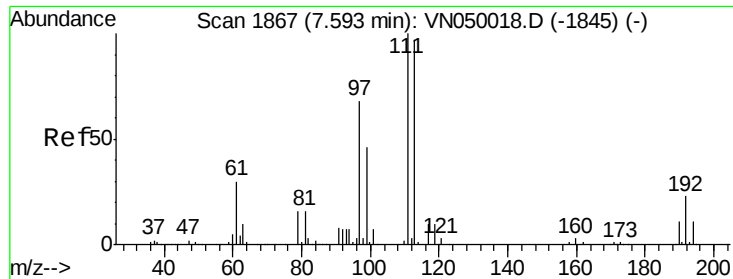
MMDadoda
 7/30/2018 1:37:21 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion: 114 Resp: 922297
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.3 0.0 31.2





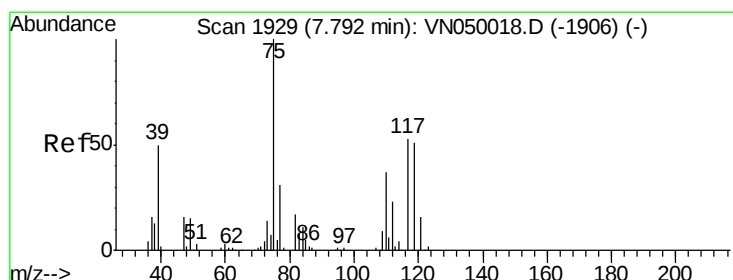
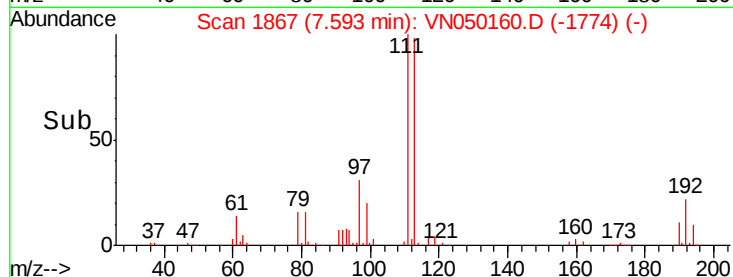
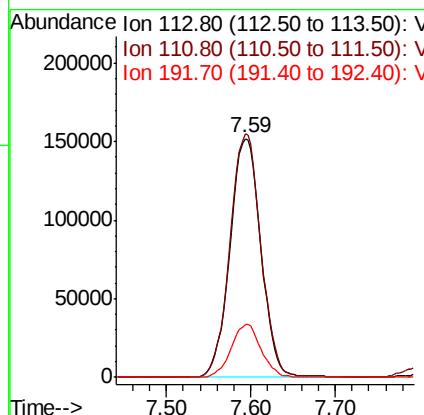
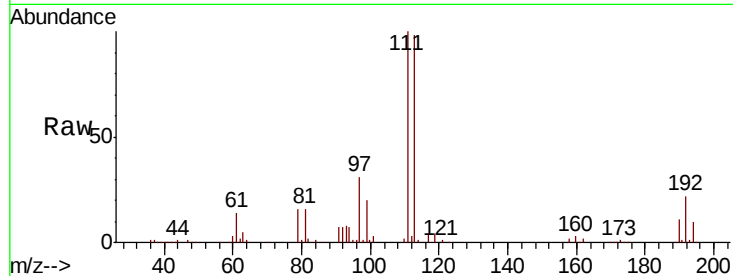
#35
 Dibromofluoromethane
 Concen: 51.477 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	80.7	121.1	
192	21.7	17.8	26.6	

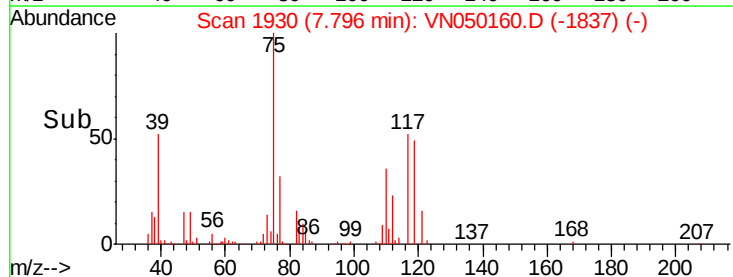
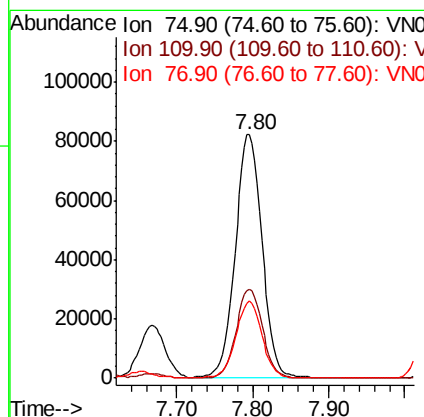
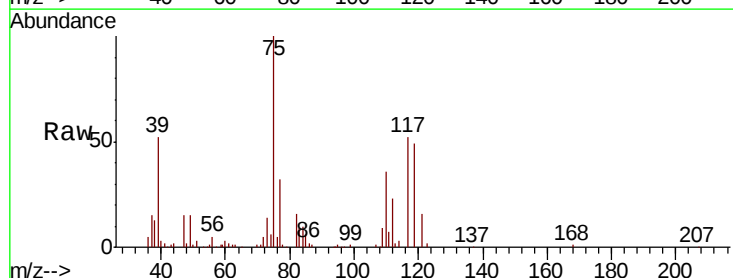
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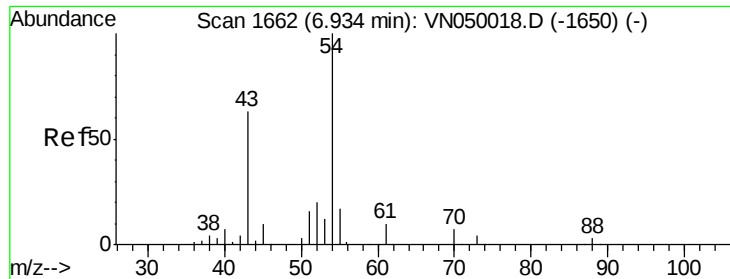
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#36
 1,1-Dichloropropene
 Concen: 19.437 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.7	18.4	55.2	
77	30.9	25.3	37.9	





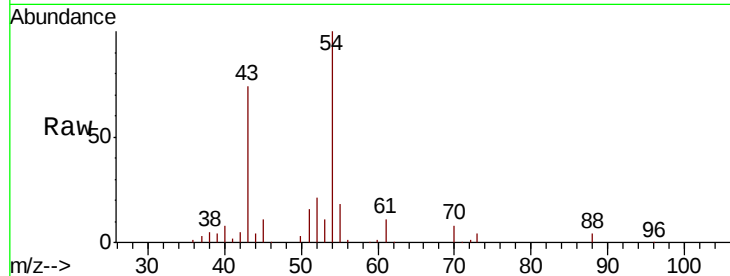
#37
Ethyl Acetate
Concen: 17.732 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

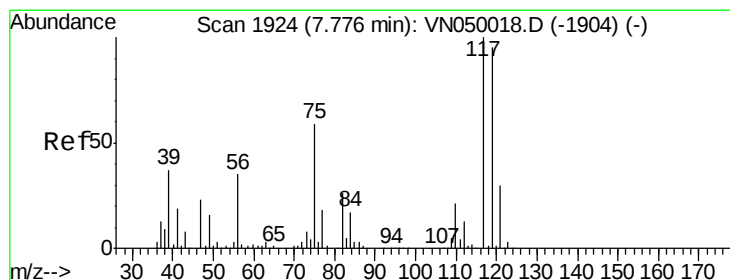
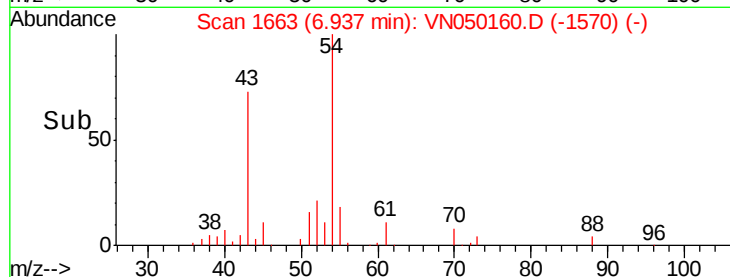
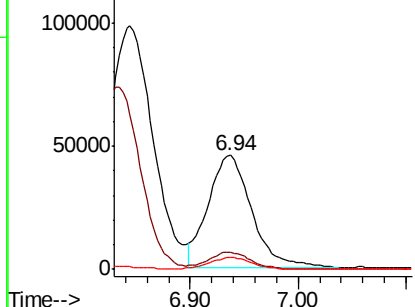
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.8	17.8
70	10.3	8.4	12.6

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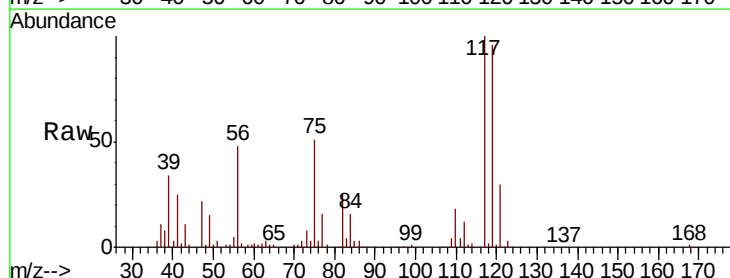


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

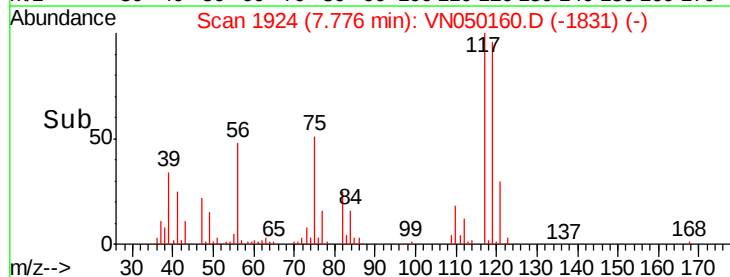
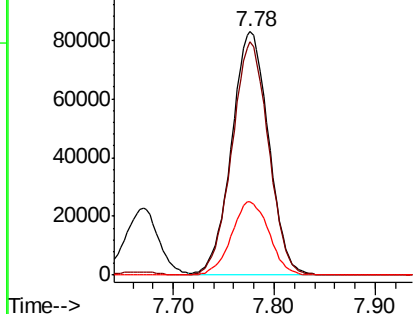


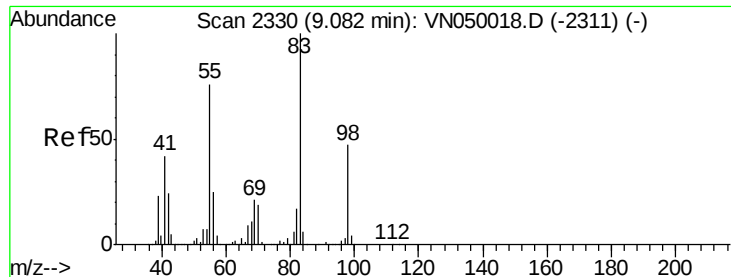
#38
Carbon Tetrachloride
Concen: 19.142 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.4	116.0
121	30.3	23.9	35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





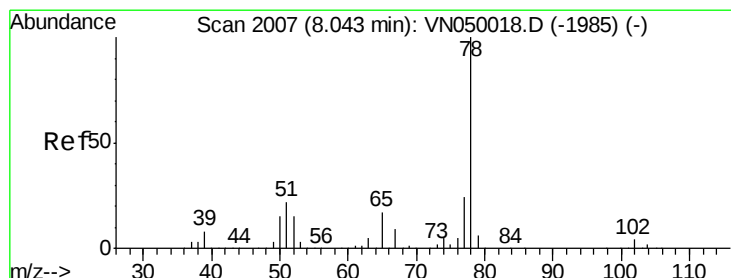
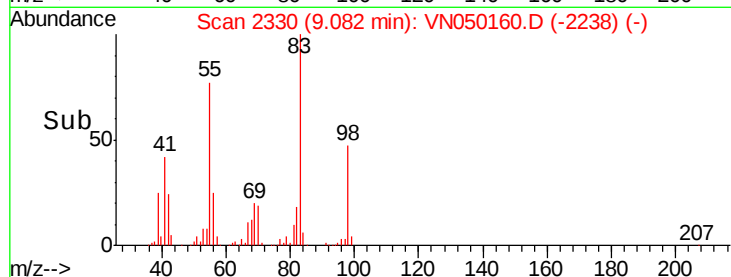
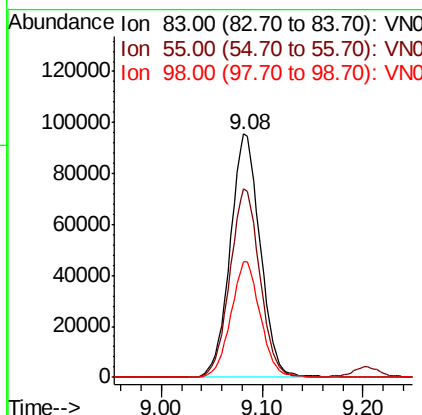
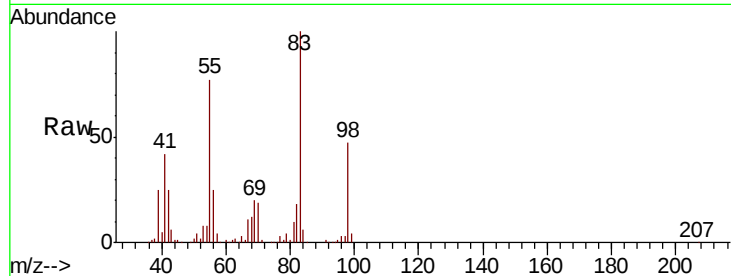
#39
Methvlcvclohexane
Concen: 18.450 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	61.8	92.8
98	47.4	36.5	54.7

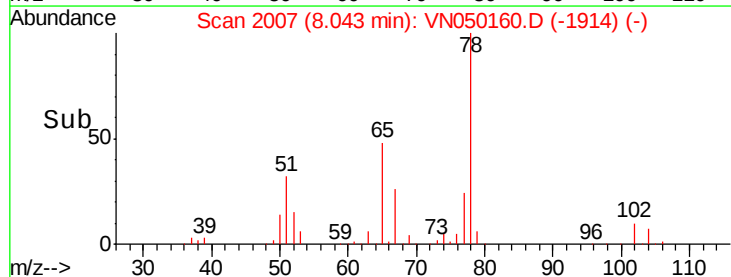
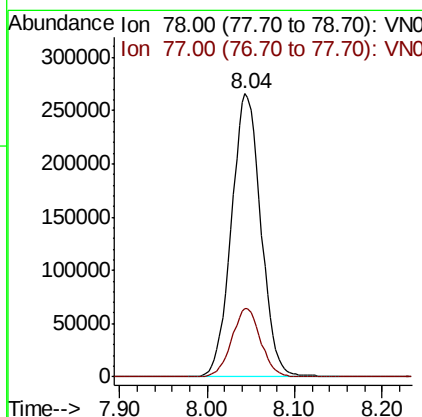
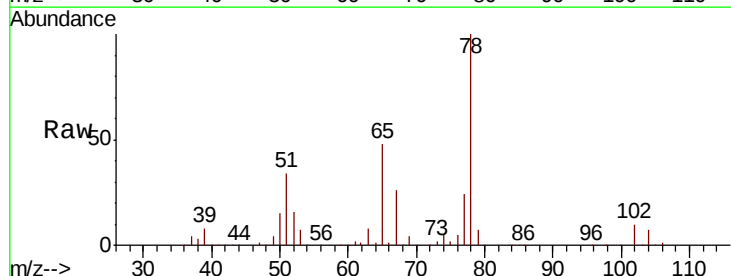
Manual Integrations
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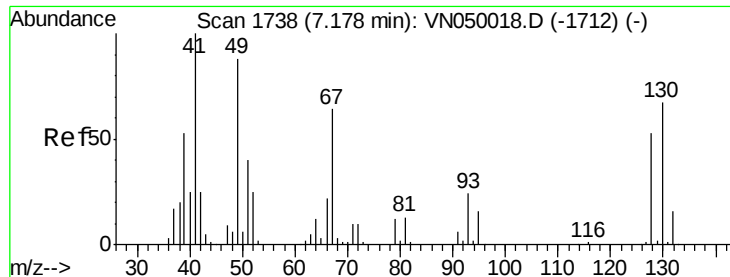
MMDadoda
7/30/2018 1:37:21 PM



#40
Benzene
Concen: 19.707 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.7	28.1





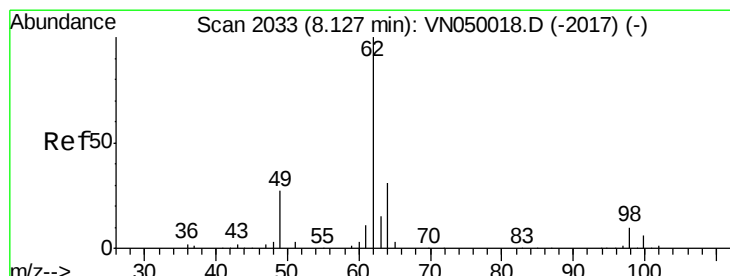
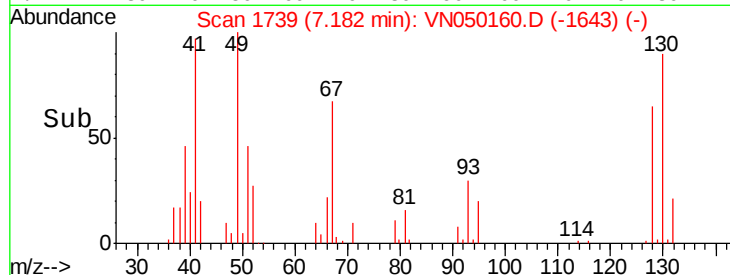
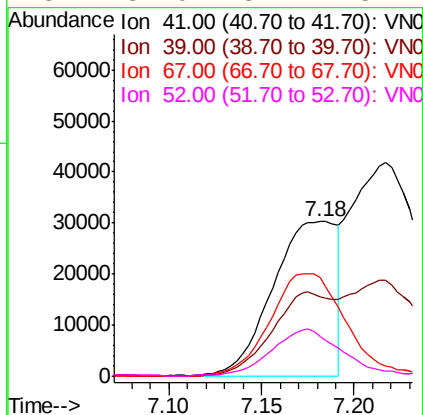
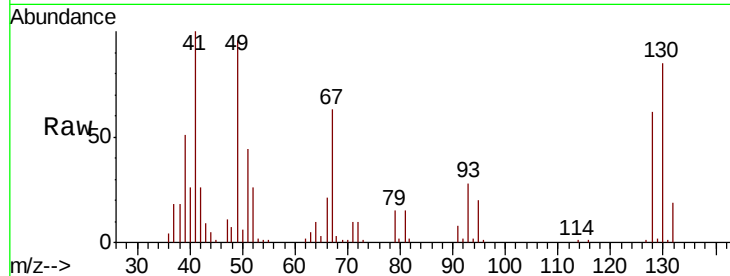
#41
Methacrylonitrile
Concen: 21.020 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.9	55.8	83.6#
67	79.3	84.3	126.5#
52	34.0	34.2	51.2#

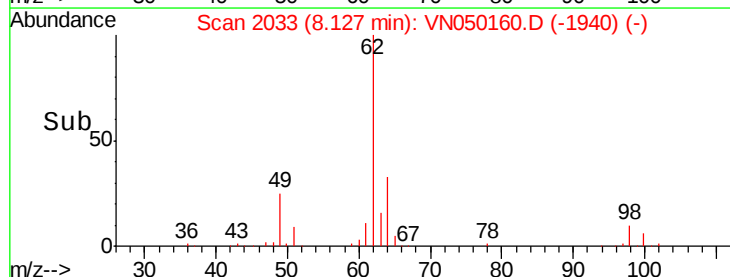
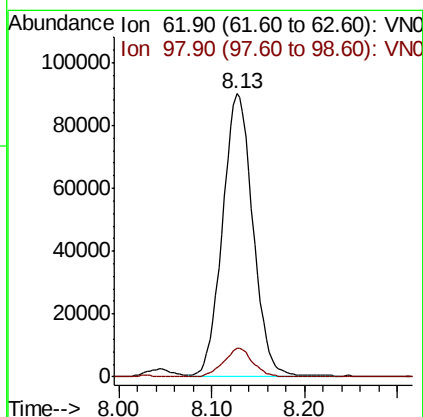
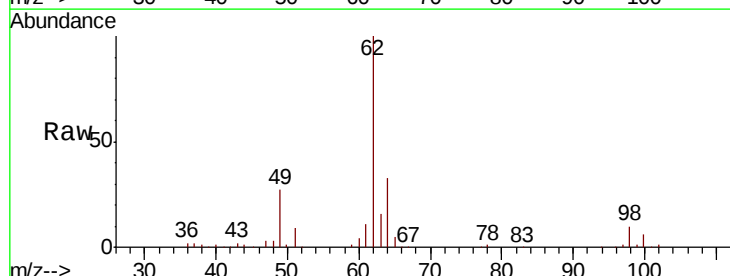
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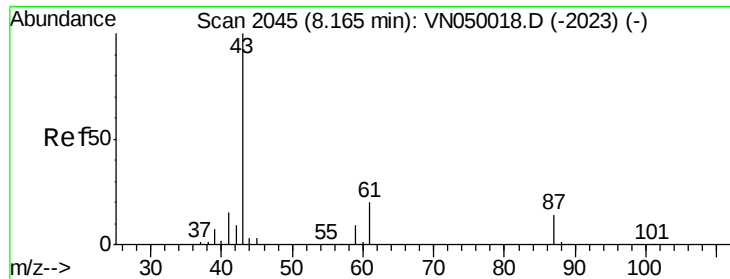
MMDadoda
7/30/2018 1:37:21 PM



#42
1,2-Dichloroethane
Concen: 19.337 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.8





#43

Isopropyl Acetate

Concen: 19.619 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

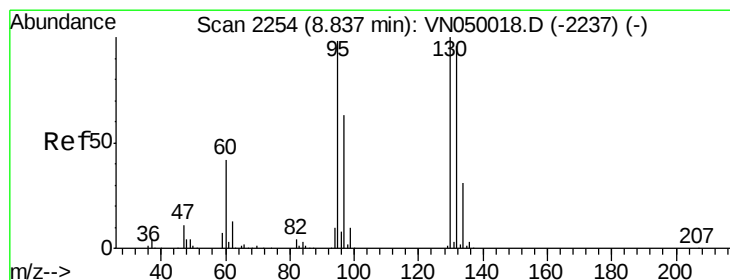
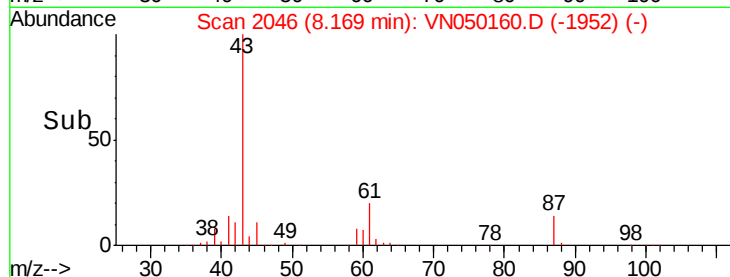
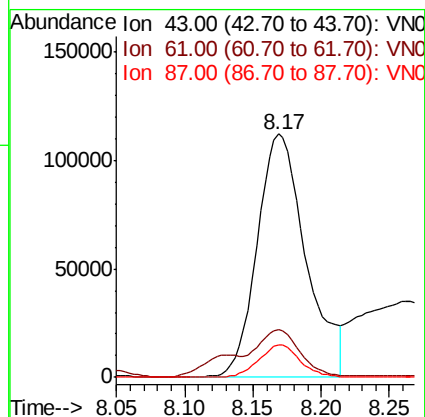
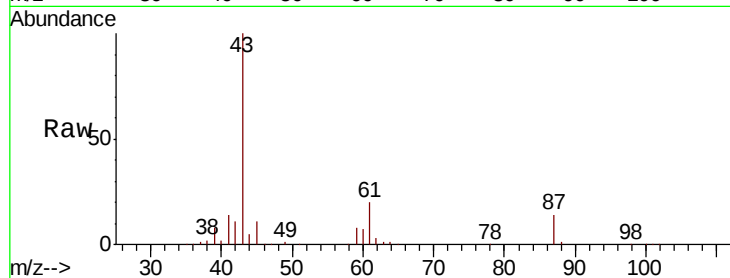
ClientSampleId :

VN0727WBSD03

Tot Ion:	43	Resp:	277301
Ion	Ratio	Lower	Upper
43	100		
61	16.7	15.8	23.6
87	11.3	10.3	15.5

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#44

Trichloroethene

Concen: 18.996 ug/l

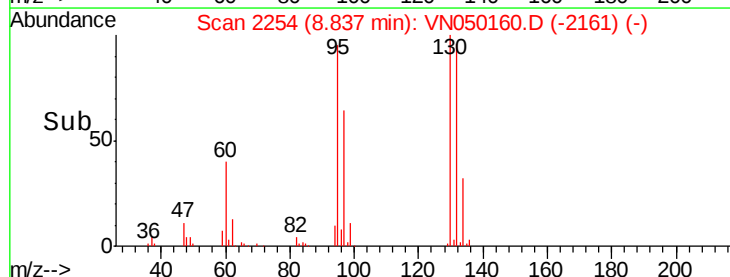
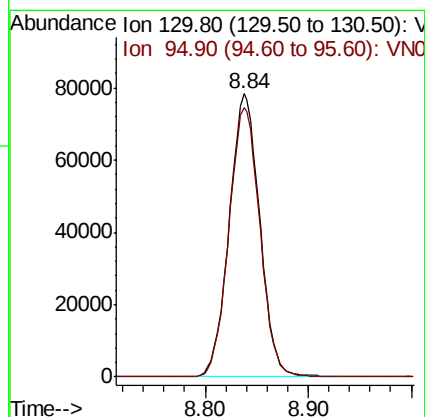
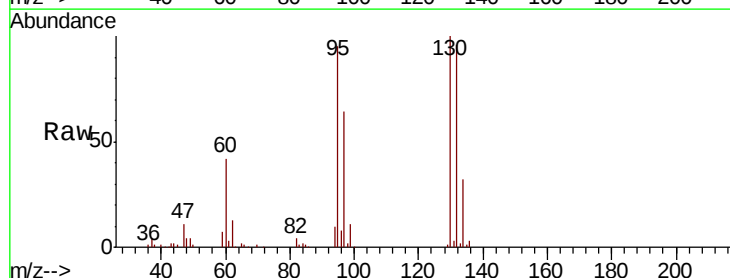
RT: 8.84 min Scan# 2254

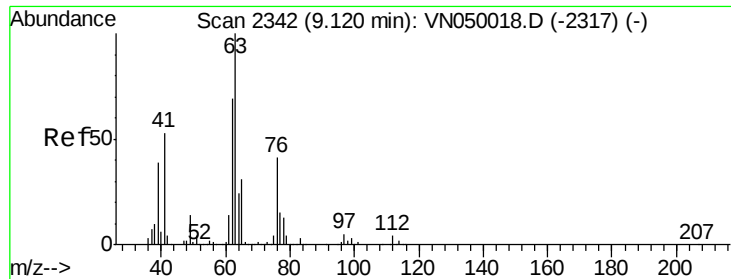
Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Tgt Ion:	130	Resp:	161399
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	194.6





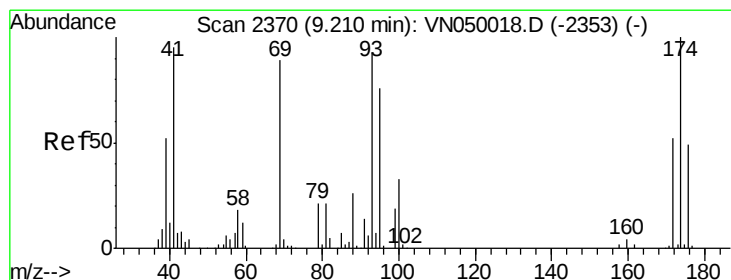
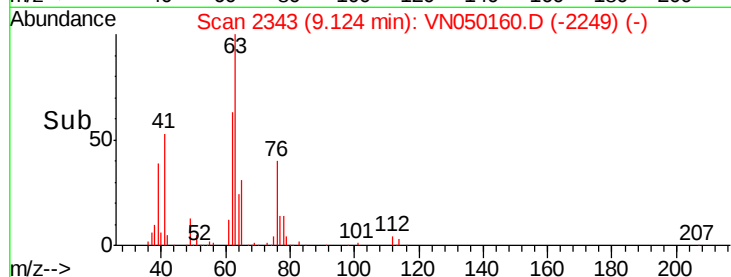
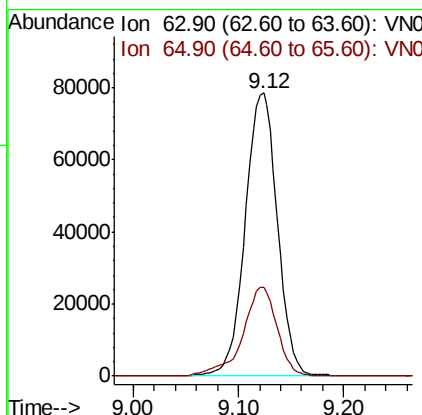
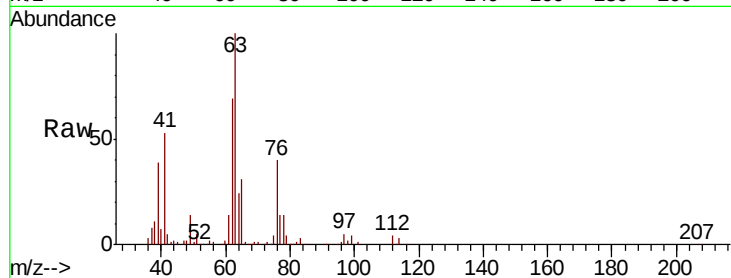
#45
 1,2-Dichloropropane
 Concen: 19.938 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

Tot Ion: 63 Resp: 166979
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.5 38.3

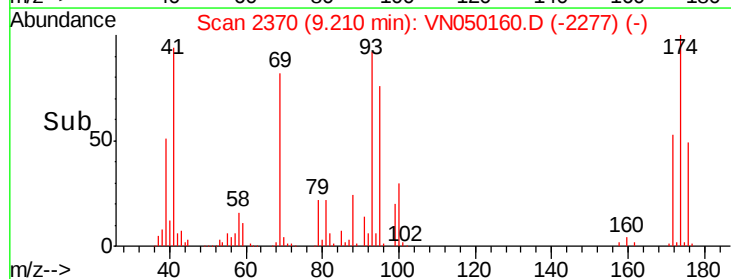
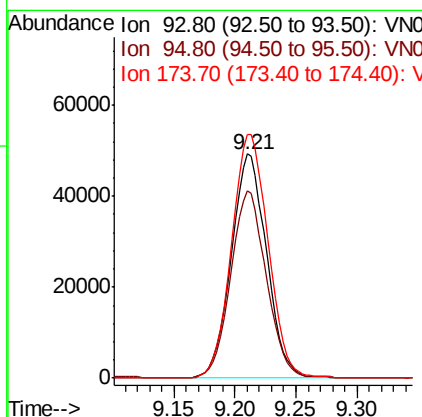
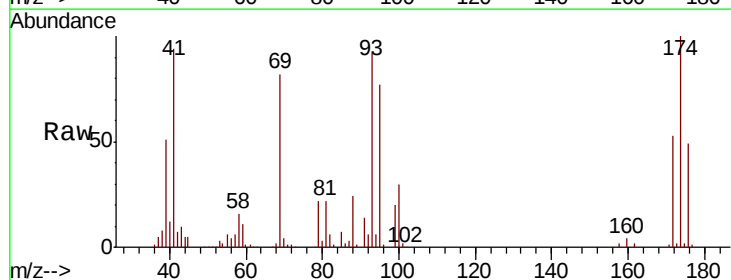
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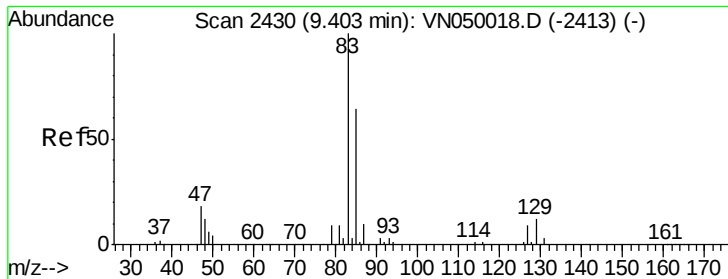
MMDadoda
 7/30/2018 1:37:21 PM



#46
 Dibromomethane
 Concen: 19.050 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion: 93 Resp: 99066
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.6 100.0
 174 112.5 87.1 130.7





#47

Bromodichloromethane

Concen: 19.277 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

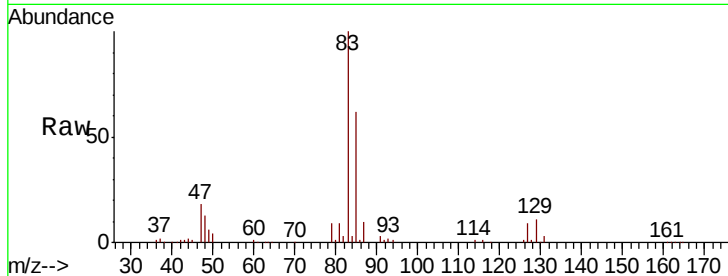
ClientSampleId :

VN0727WBSD03

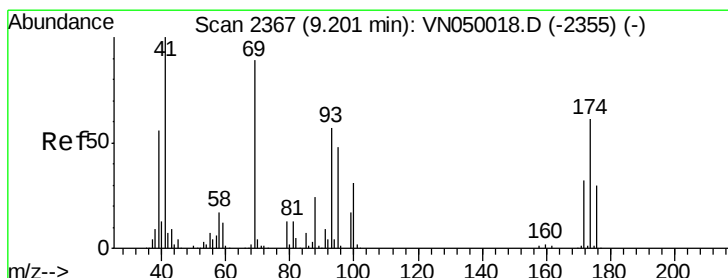
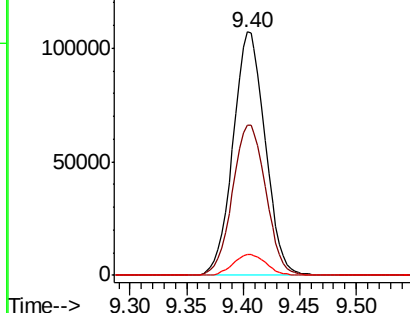
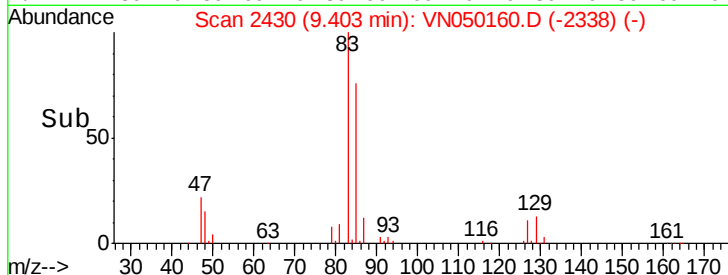
Tot Ion:	83	Resp:	211571
Ion Ratio	Lower	Upper	
83	100		
85	61.8	51.1	76.7
127	8.7	7.0	10.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN050160.D (-2338) (-)



#48

Methyl methacrylate

Concen: 18.521 ug/l

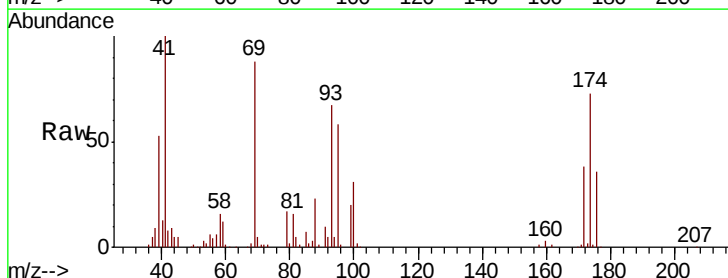
RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

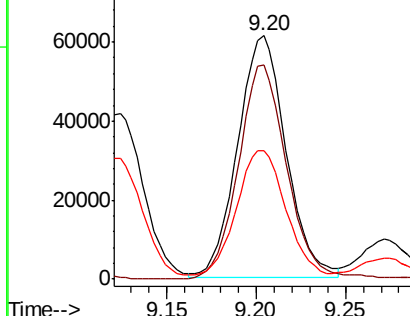
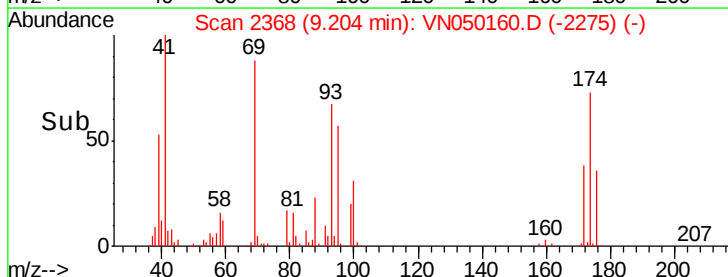
Lab File: VN050160.D

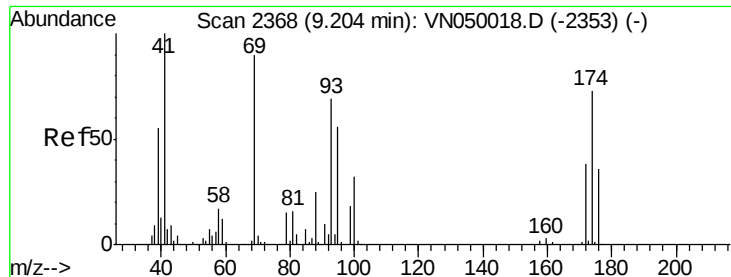
Acq: 28 Jul 2018 4:39

Tgt Ion:	41	Resp:	115557
Ion Ratio	Lower	Upper	
41	100		
69	89.6	70.6	105.8
39	55.1	43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VN050160.D (-2275) (-)





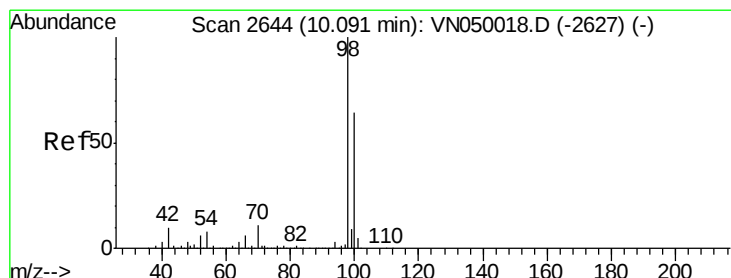
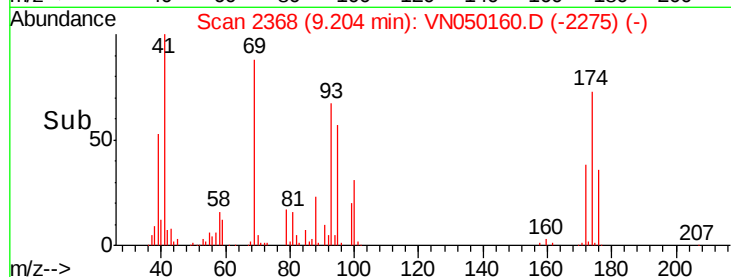
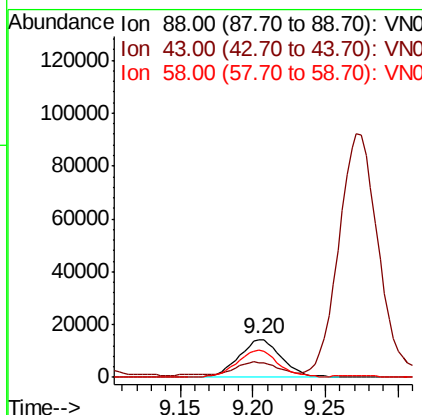
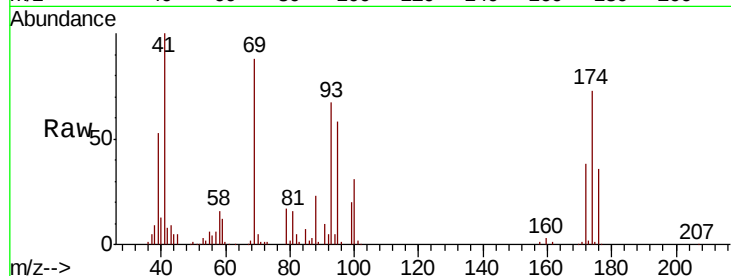
#49
1,4-Dioxane
Concen: 347.133 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	26.9	40.3
58	69.8	57.3	85.9

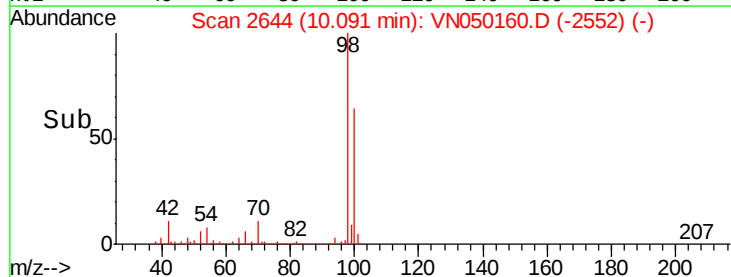
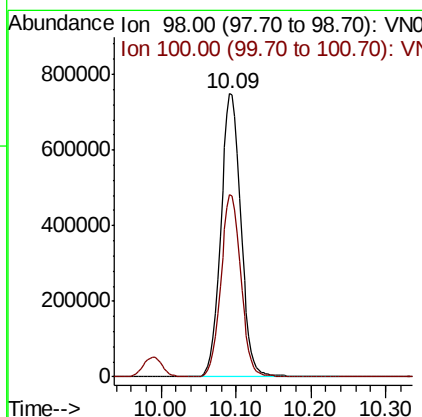
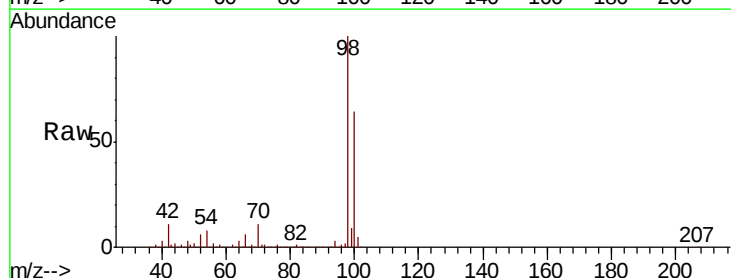
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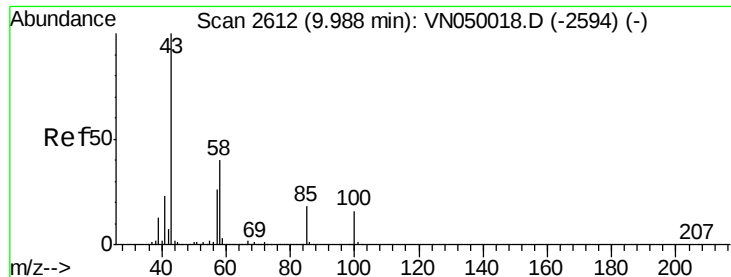
MMDadoda
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#50
Toluene-d8
Concen: 50.069 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.7	76.1





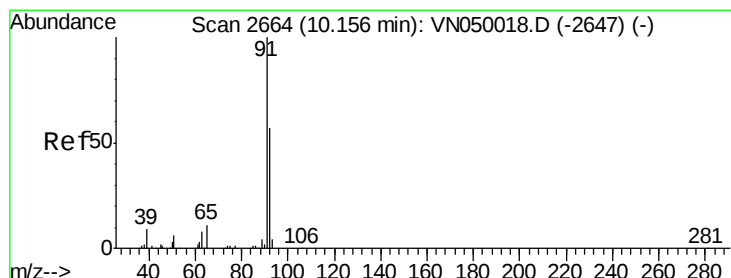
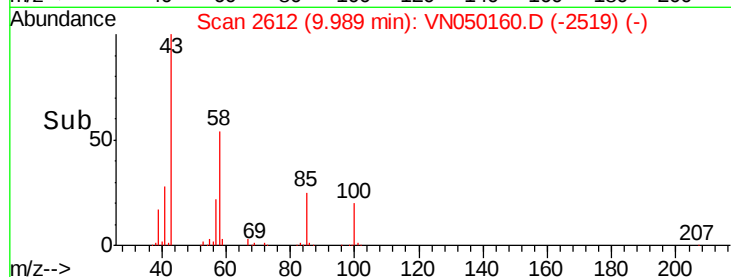
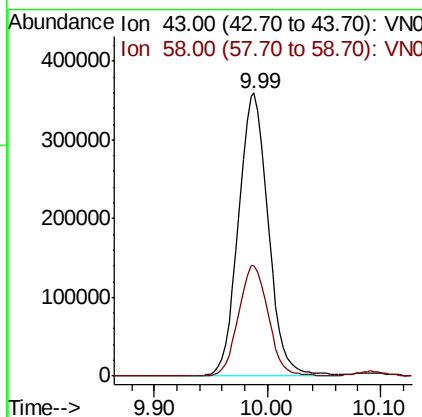
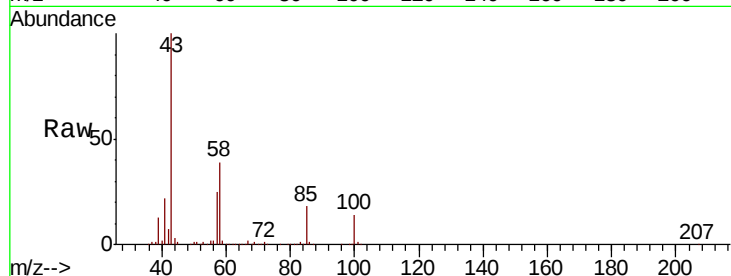
#51
4-Methyl-2-Pentanone
Concen: 92.468 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

Tot Ion	43	Resp	658542
Ion Ratio	100	Lower	Upper
43	100		
58	39.4	31.9	47.9

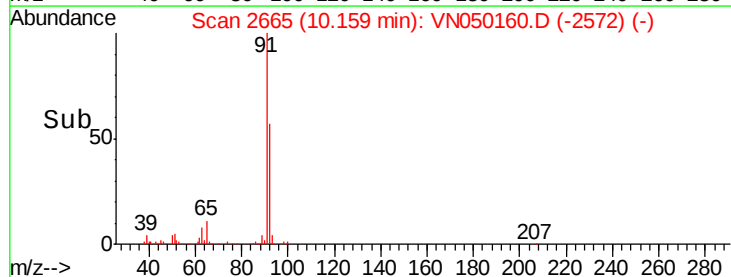
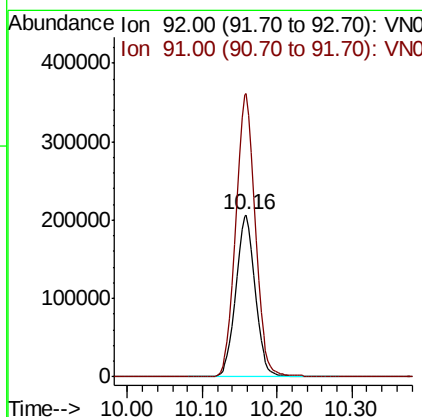
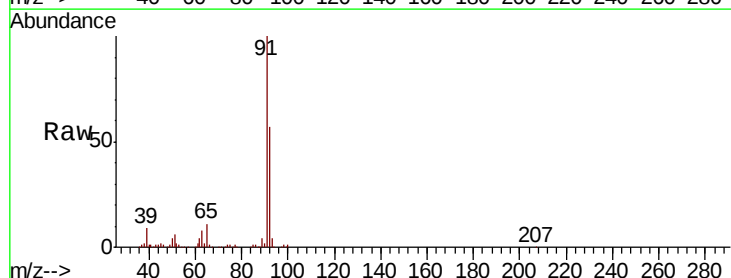
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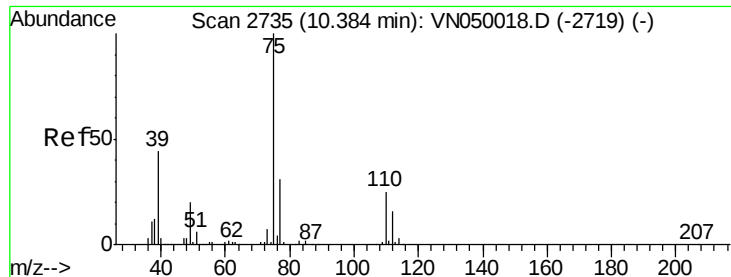
MMDadoda
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#52
Toluene
Concen: 20.064 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion	92	Resp	374485
Ion Ratio	100	Lower	Upper
92	100		
91	175.8	140.3	210.5





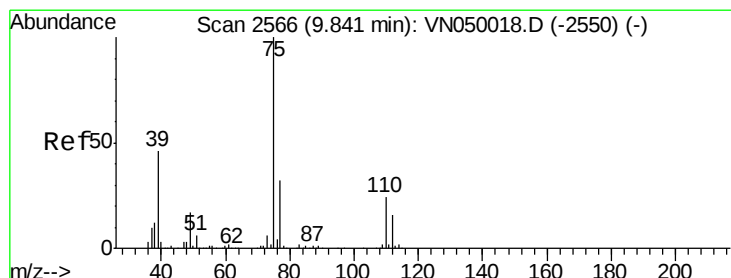
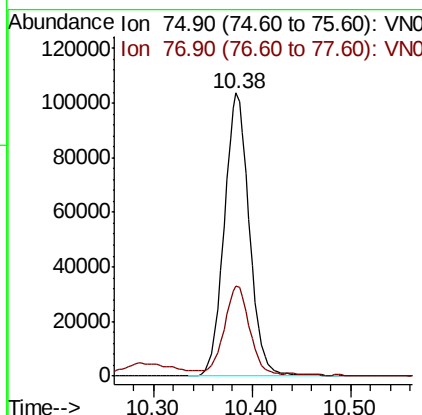
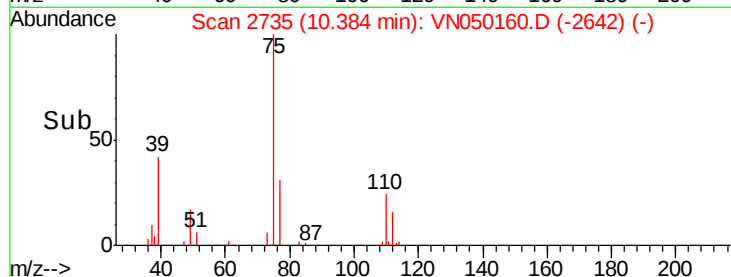
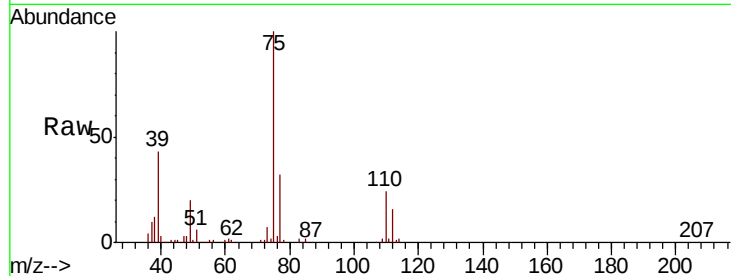
#53
t-1,3-Dichloropropene
Concen: 17.844 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.9	37.3

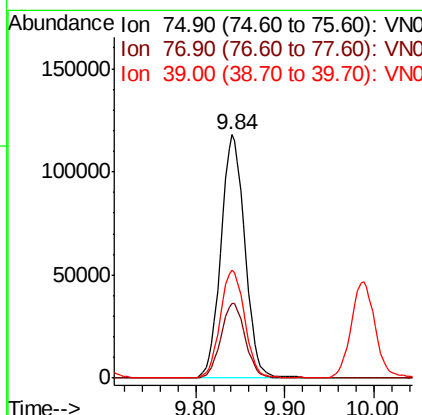
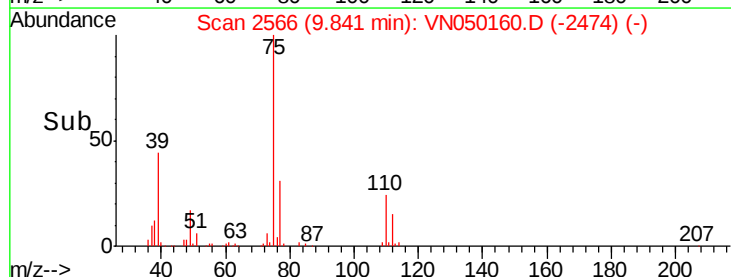
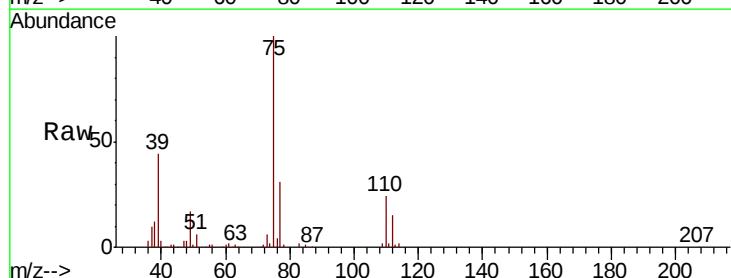
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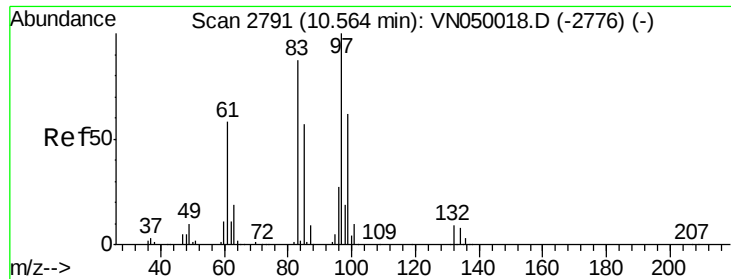
MMDadoda
7/30/2018 1:37:21 PM



#54
cis-1,3-Dichloropropene
Concen: 18.531 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.5	38.3
39	44.2	36.6	55.0





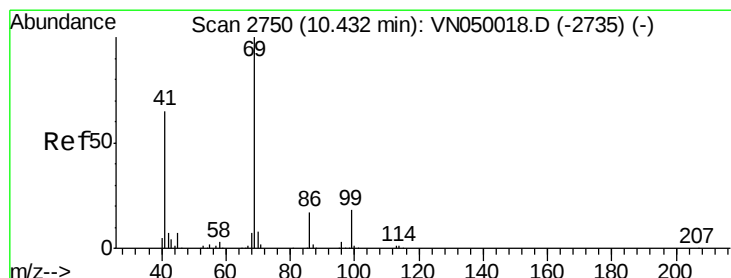
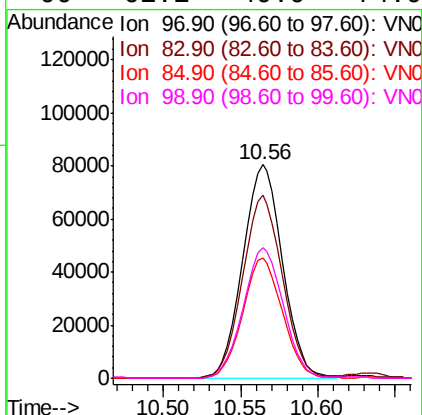
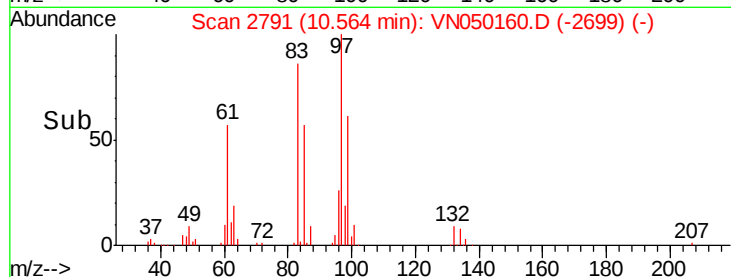
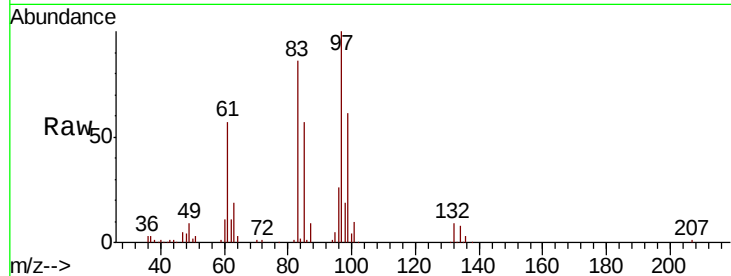
#55
 1,1,2-Trichloroethane
 Concen: 19.450 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

Tot Ion:	97	Resp:	143990
Ion	Ratio	Lower	Upper
97	100		
83	85.8	69.2	103.8
85	56.6	44.0	66.0
99	61.1	49.9	74.9

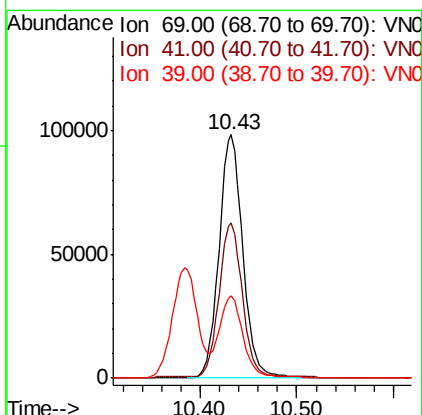
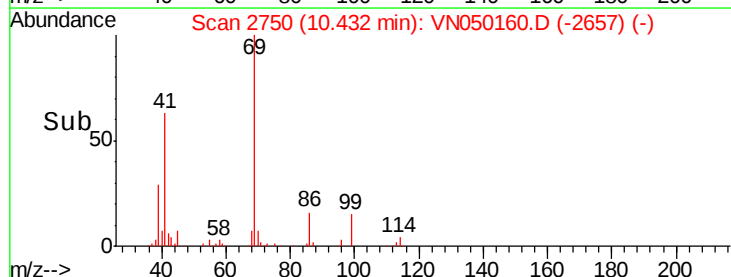
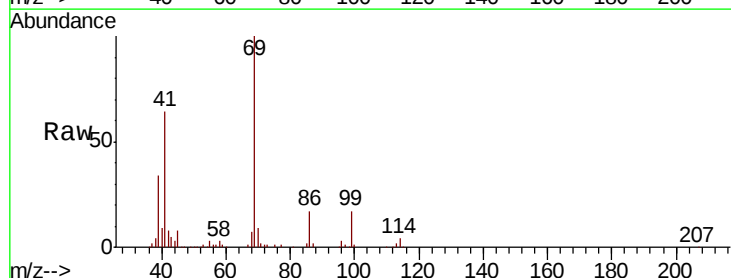
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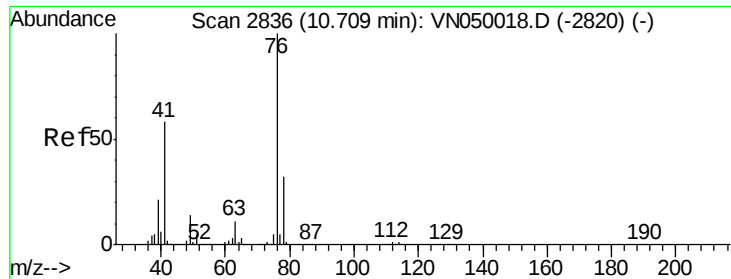
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#56
 Ethyl methacrylate
 Concen: 18.078 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion:	69	Resp:	167745
Ion	Ratio	Lower	Upper
69	100		
41	61.7	51.0	76.4
39	33.8	26.6	40.0





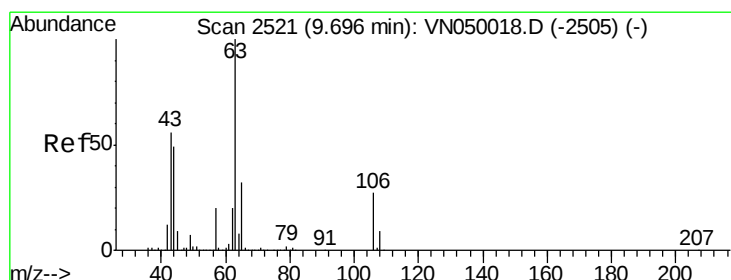
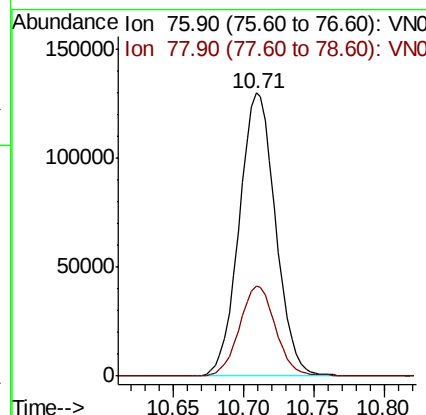
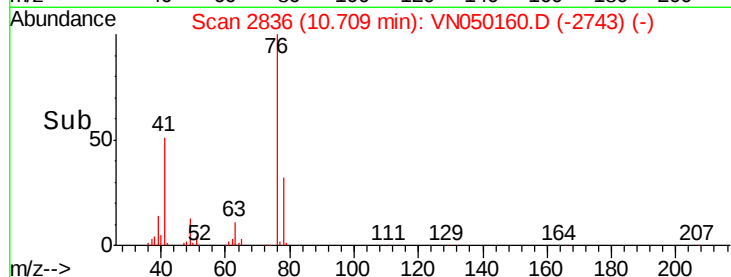
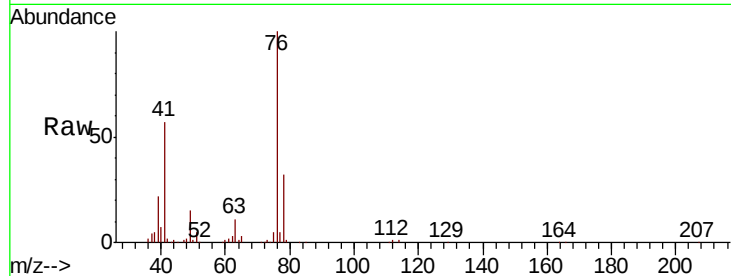
#57
 1,3-Dichloropropane
 Concen: 19.487 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.7	38.5

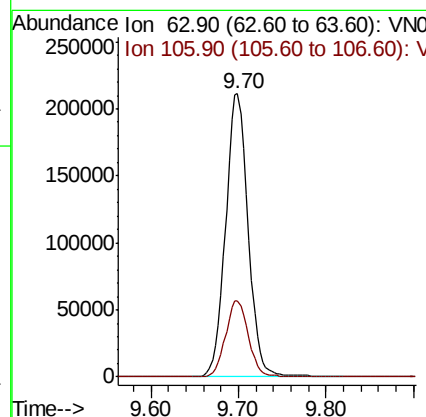
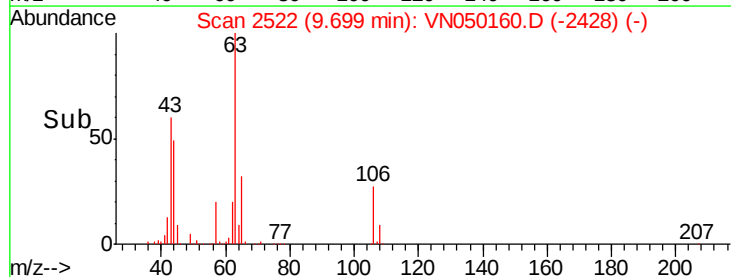
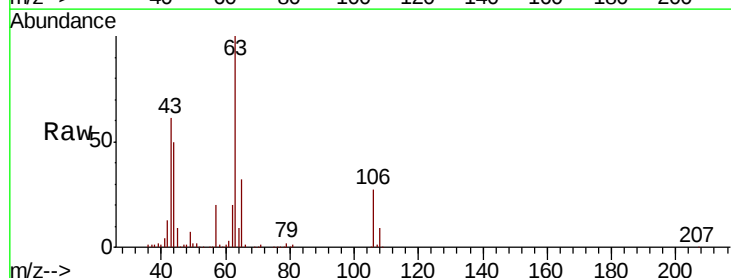
Manual Integrations
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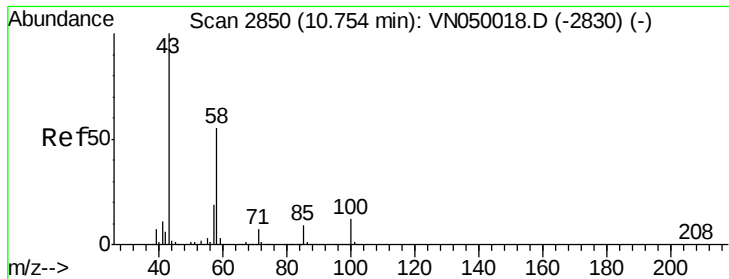
MMDadoda
 7/30/2018 1:37:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.548 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.7	32.5





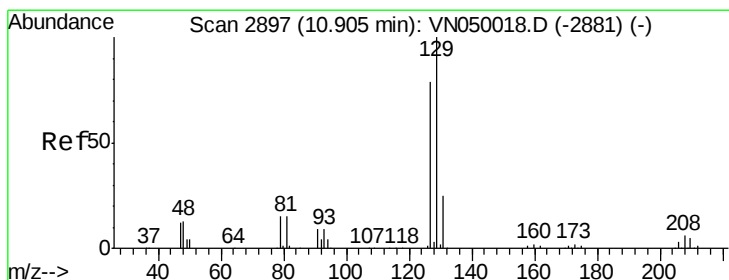
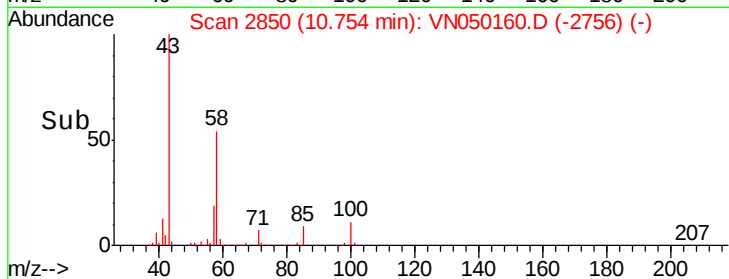
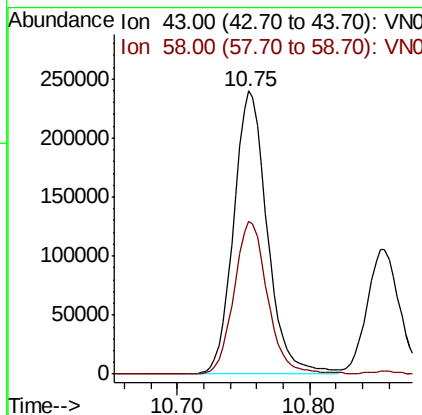
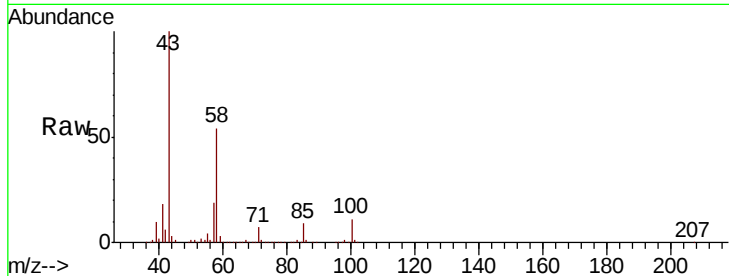
#59
2-Hexanone
Concen: 83.627 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

Tot Ion: 43 Resp: 419239
Ion Ratio Lower Upper
43 100
58 54.2 27.6 82.7

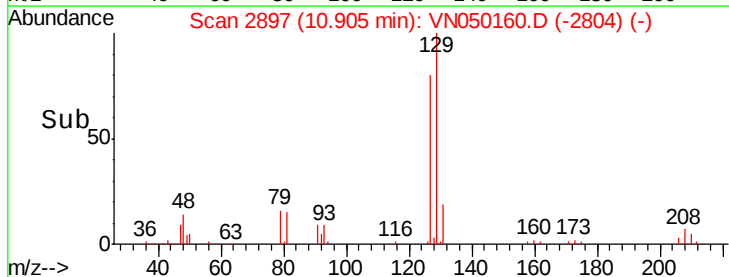
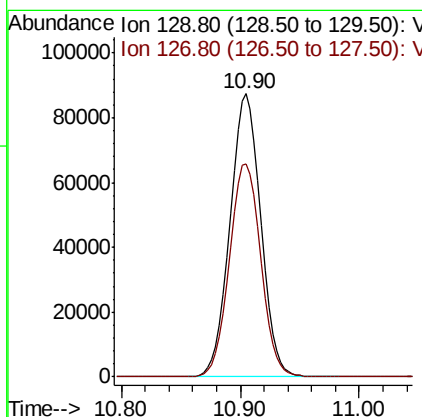
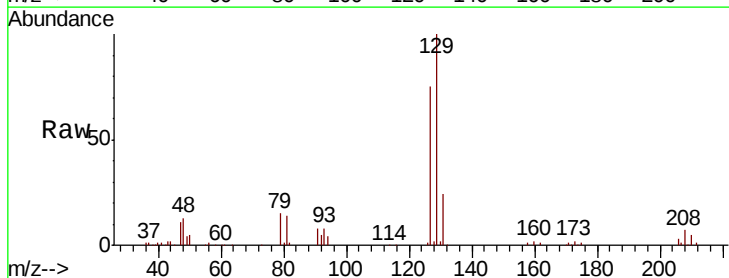
Manual Integrations
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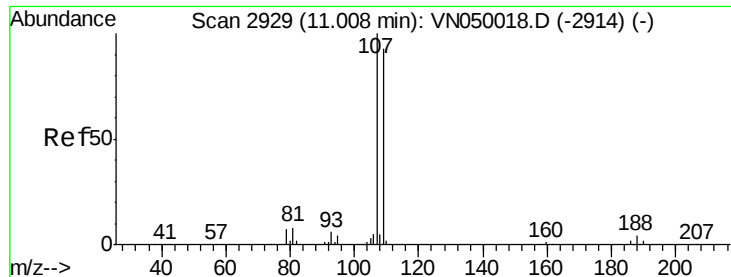
MMDadoda
7/30/2018 1:37:21 PM



#60
Dibromochloromethane
Concen: 19.138 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion: 129 Resp: 156869
Ion Ratio Lower Upper
129 100
127 76.7 38.0 113.9





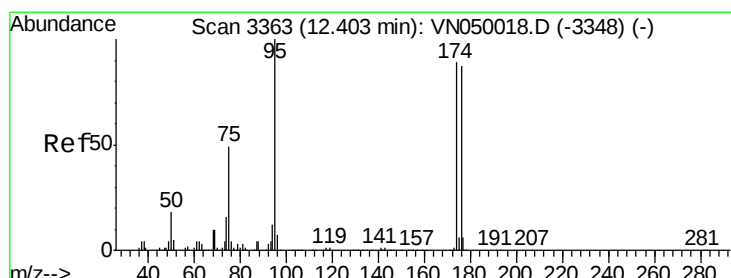
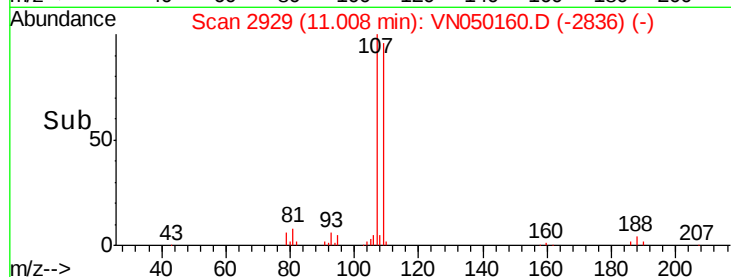
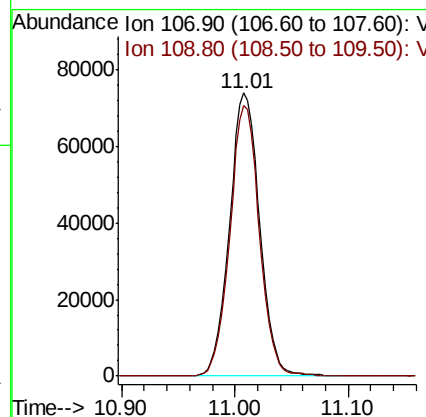
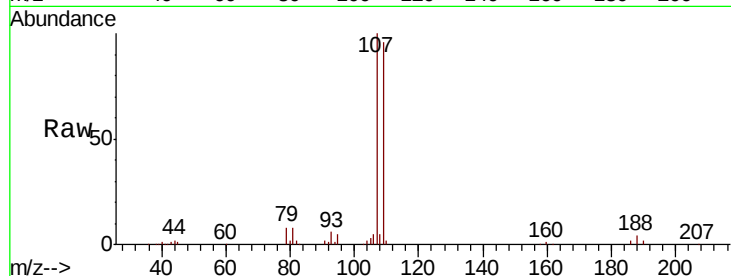
#61
 1,2-Dibromoethane
 Concen: 18.654 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	74.6	112.0

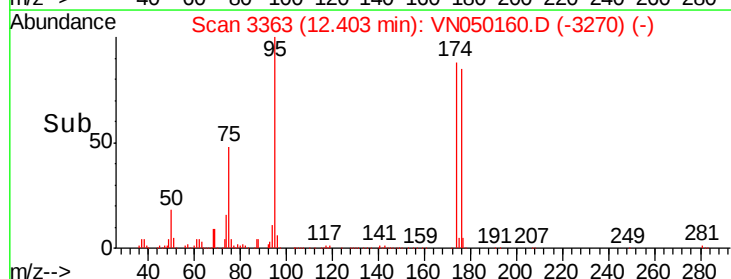
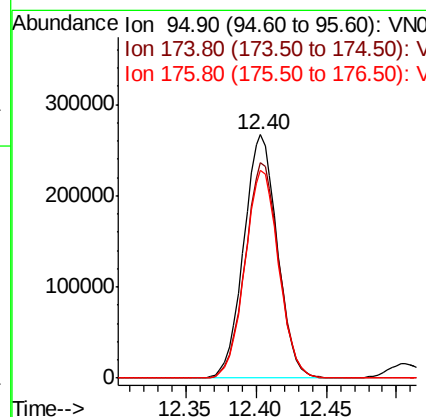
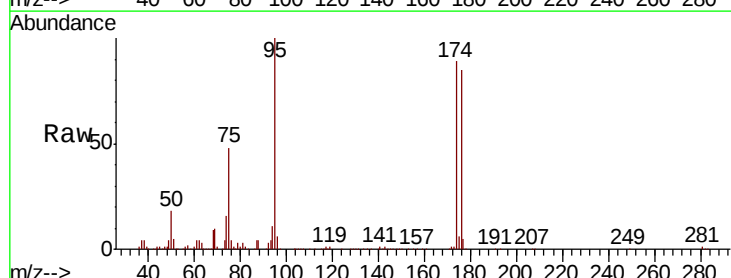
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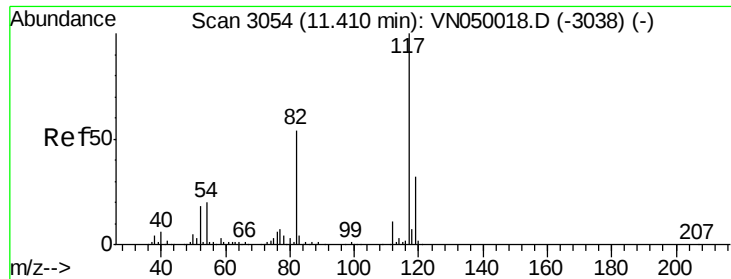
MMDadoda
 7/30/2018 1:37:21 PM



#62
 4-Bromofluorobenzene
 Concen: 48.808 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	178.2
176	85.9	0.0	173.4





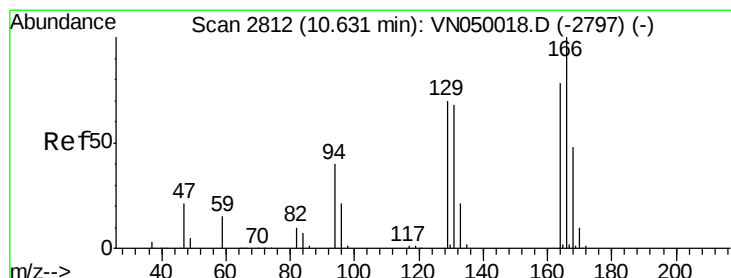
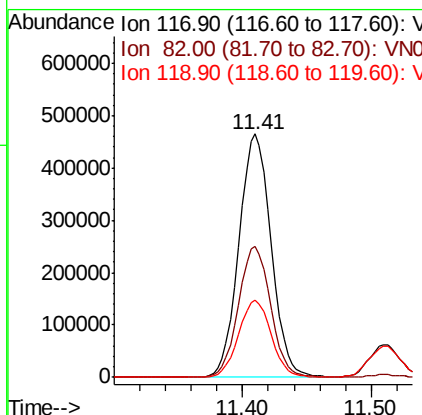
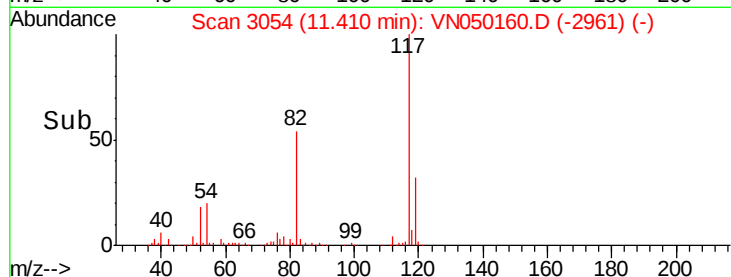
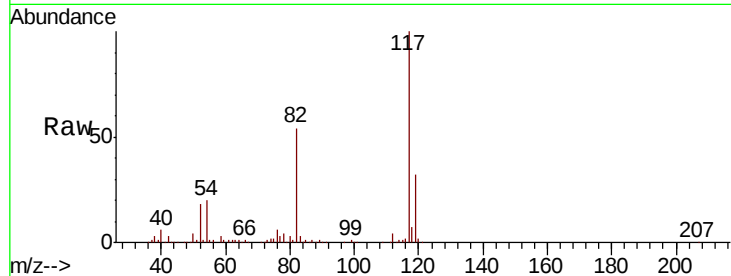
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.7	65.5
119	31.6	26.1	39.1

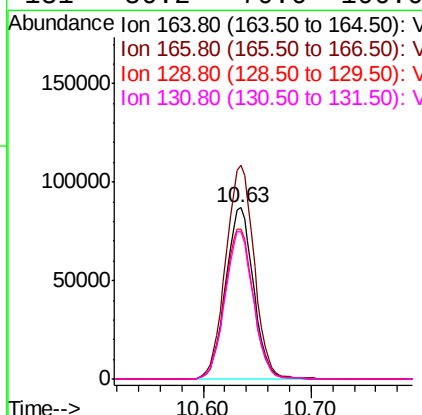
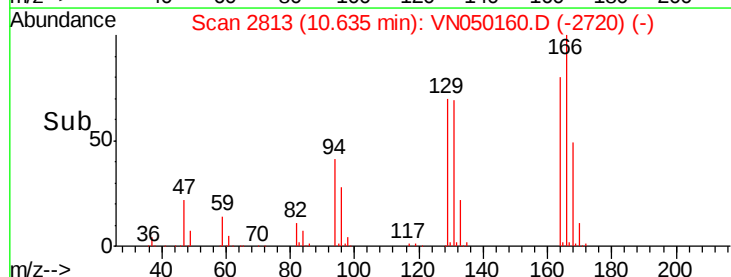
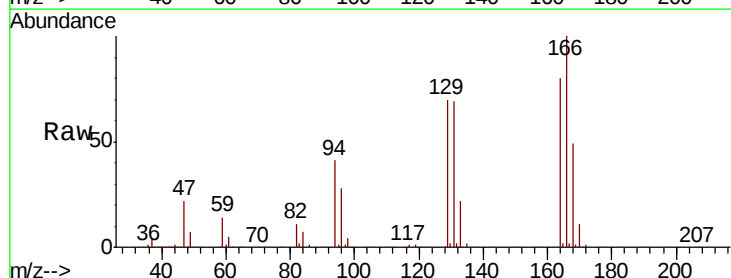
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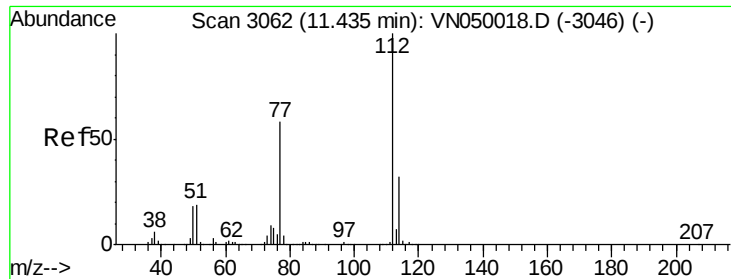
MMDadoda
7/30/2018 1:37:21 PM



#64
Tetrachloroethene
Concen: 20.068 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	102.1	153.1
129	87.2	73.2	109.8
131	86.2	70.6	106.0





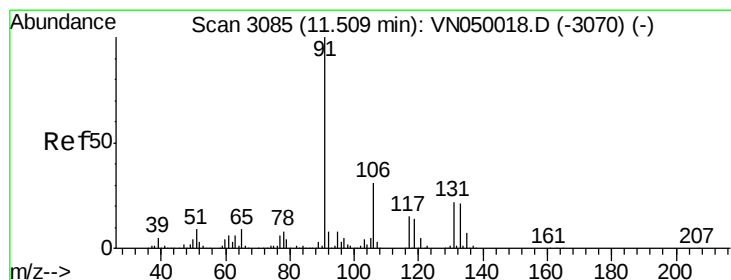
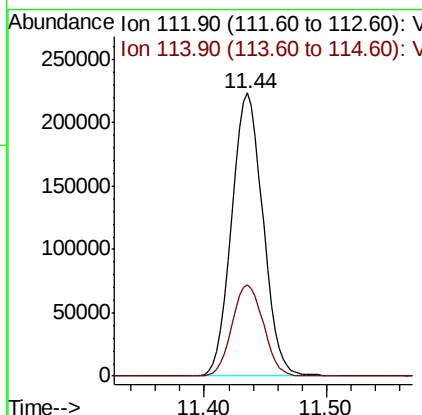
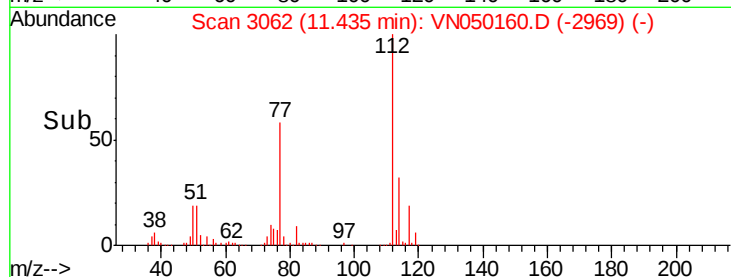
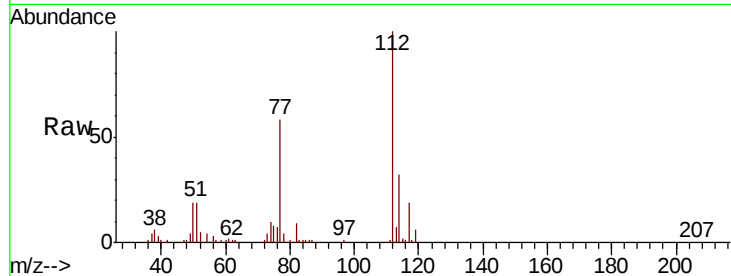
#65
Chlorobenzene
Concen: 19.503 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
112	100	399082		
114	32.1	25.6	38.4	

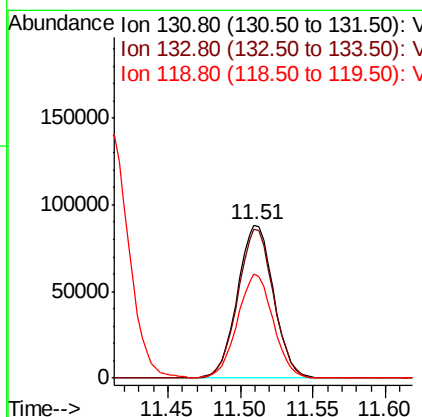
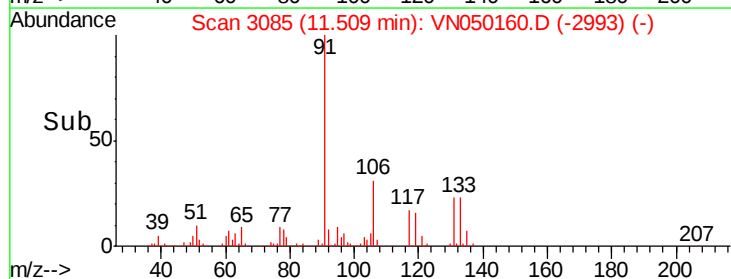
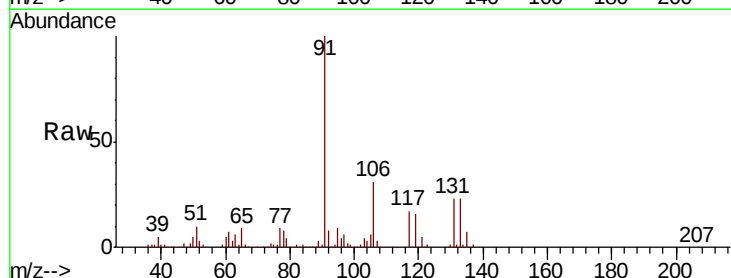
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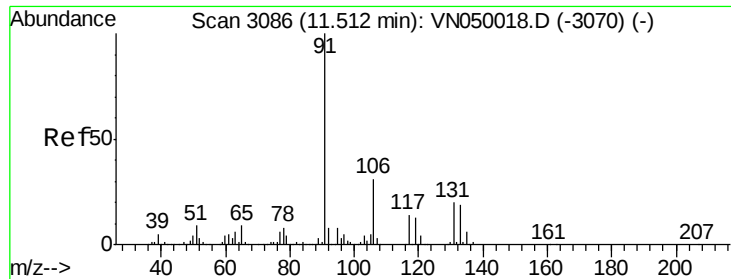
MMDadoda
7/30/2018 1:37:21 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.470 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	153072		
133	96.2	47.3	141.9	
119	67.1	32.9	98.7	





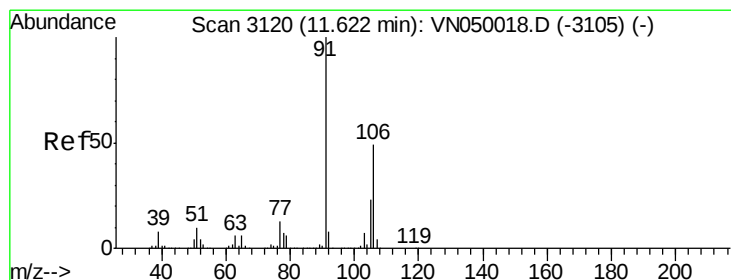
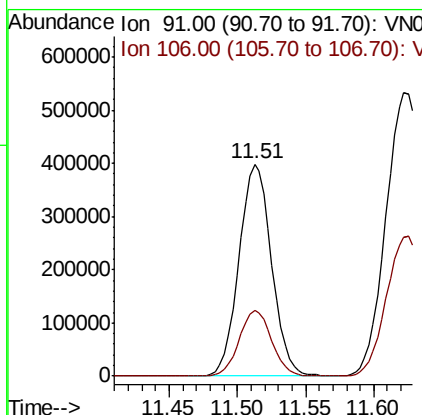
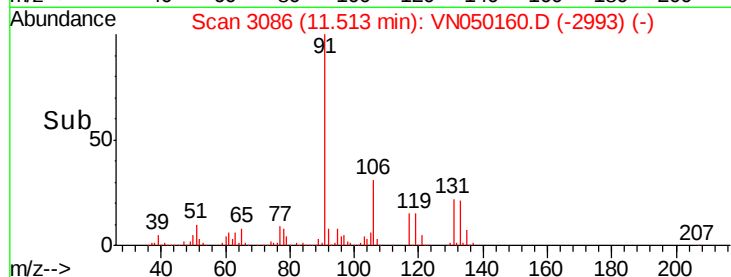
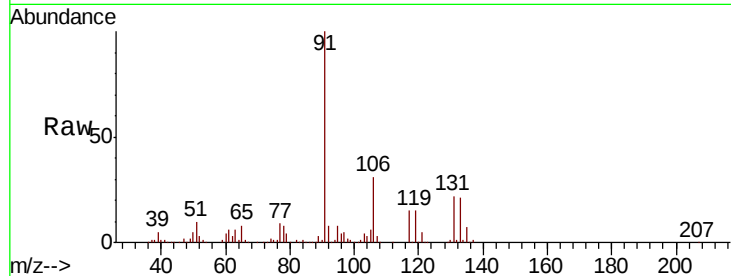
#67
Ethyl Benzene
Concen: 20.068 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

Tot Ion: 91 Resp: 659640
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.4

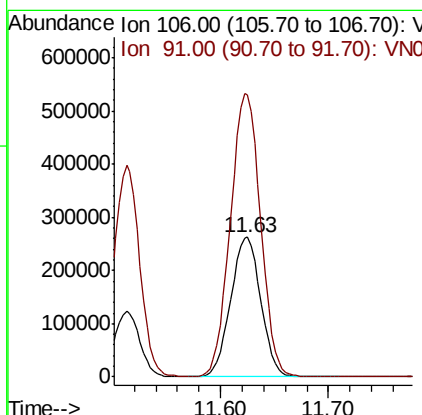
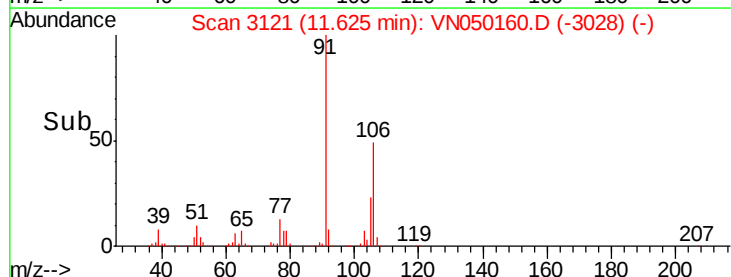
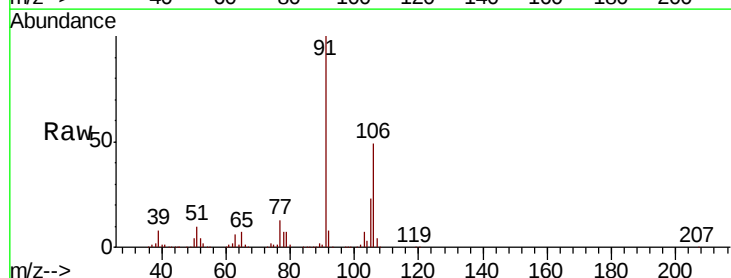
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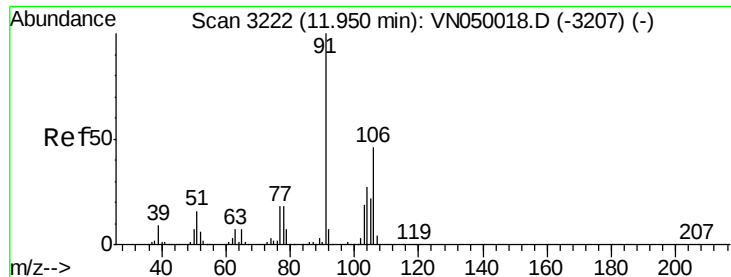
MMDadoda
7/30/2018 1:37:21 PM



#68
m/p-Xylenes
Concen: 40.973 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion: 106 Resp: 509400
Ion Ratio Lower Upper
106 100
91 203.6 162.2 243.2





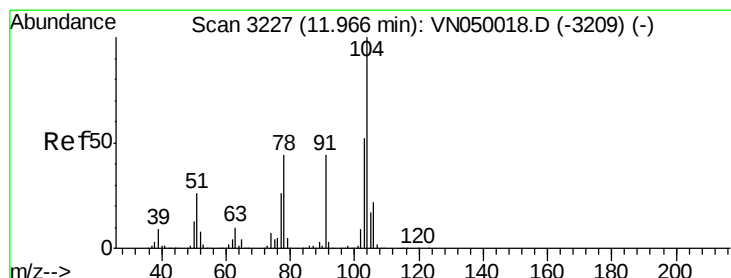
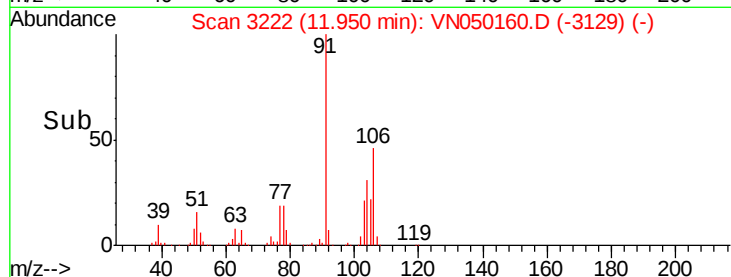
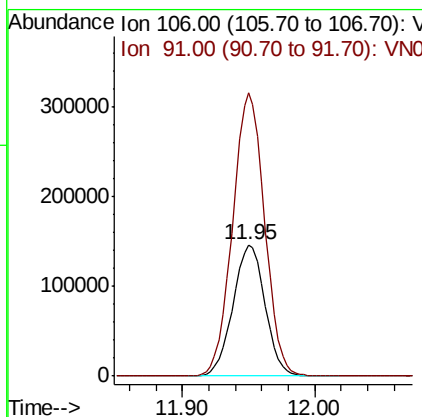
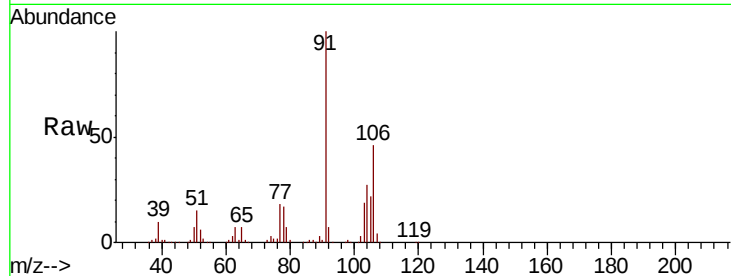
#69
o-Xylene
Concen: 20.663 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

Tot Ion:106 Resp: 244893
Ion Ratio Lower Upper
106 100
91 215.2 107.7 323.1

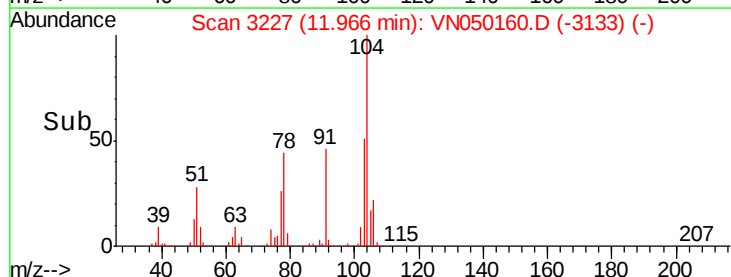
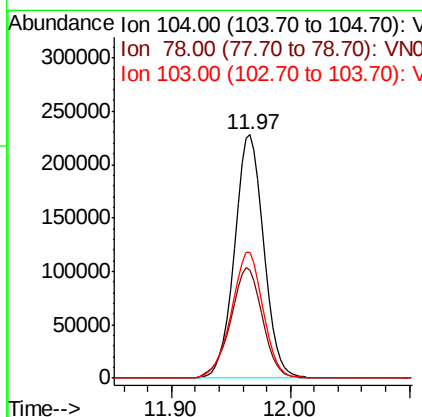
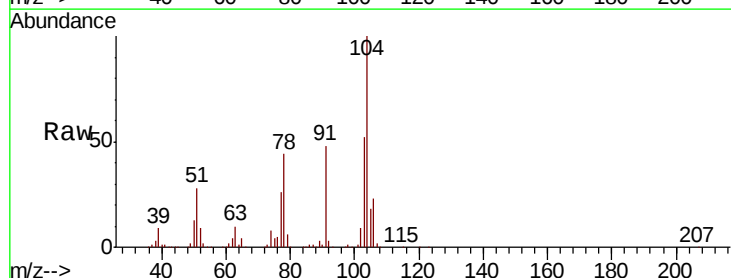
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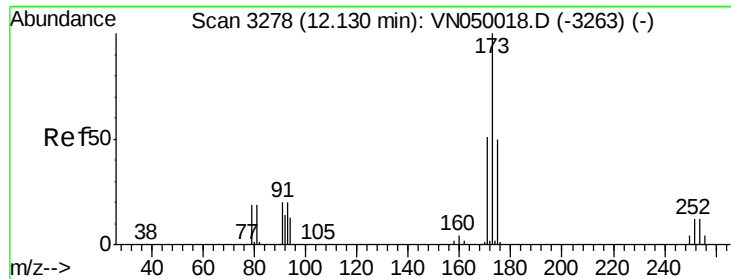
MMDadoda
7/30/2018 1:37:21 PM



#70
Styrene
Concen: 18.969 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion:104 Resp: 387553
Ion Ratio Lower Upper
104 100
78 49.7 39.3 58.9
103 56.2 45.0 67.6





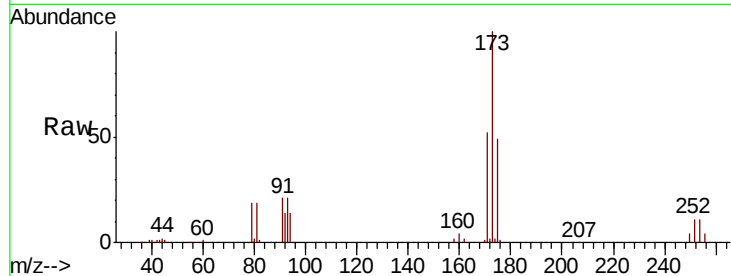
#71
Bromoform
Concen: 18.323 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.1	72.2
254	0.0	0.2	0.2

Manual Integrations
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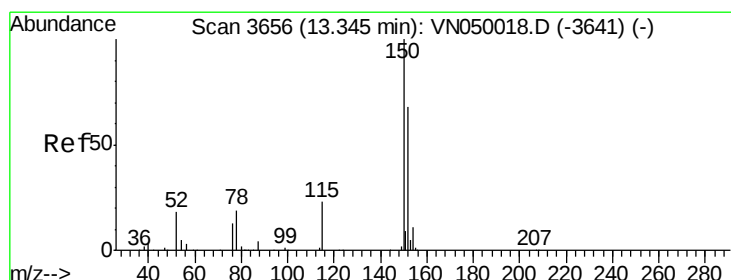
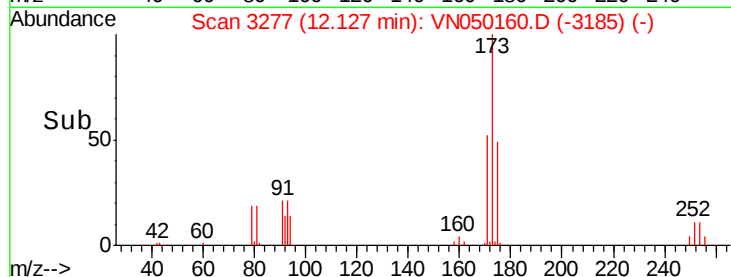
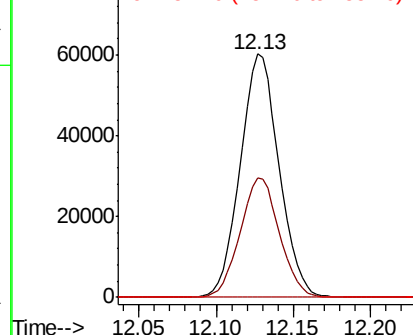


Abundance

Ion 172.70 (172.40 to 173.40): V

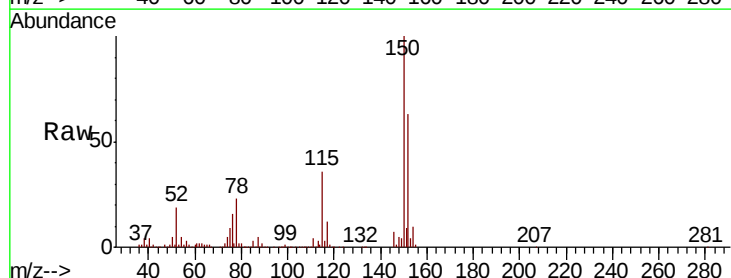
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	27.8	83.3
150	164.0	0.0	348.6

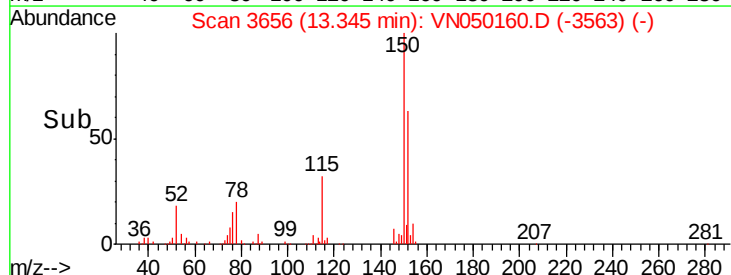
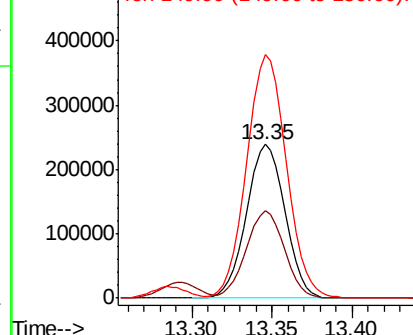


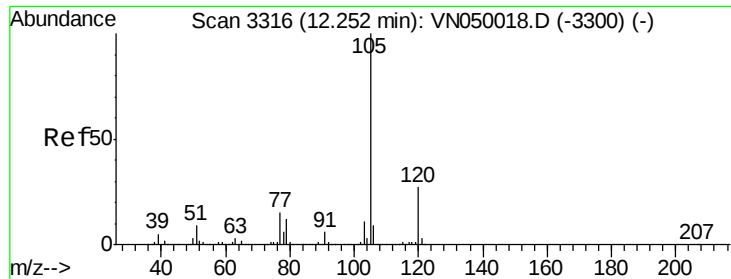
Abundance

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: 21.380 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD03

Tot Ion: 105 Resp: 650206

Ion Ratio Lower Upper

105 100

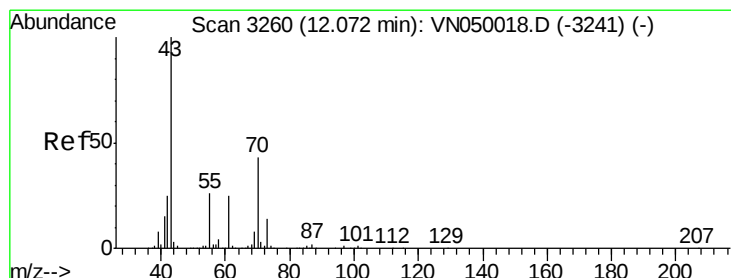
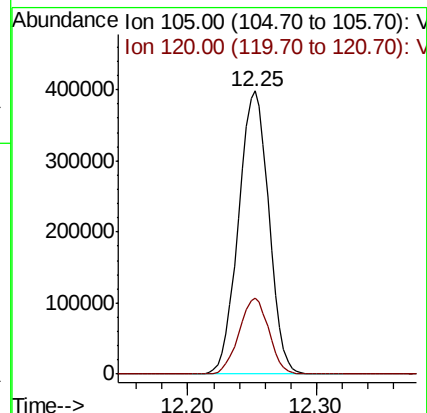
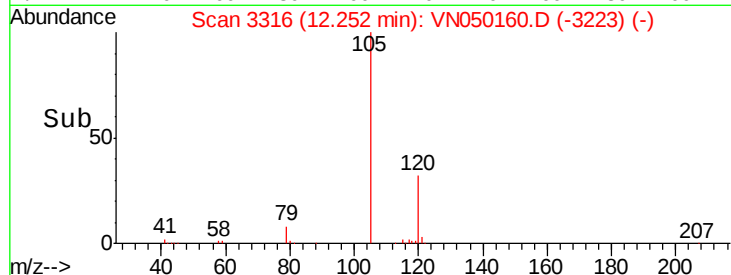
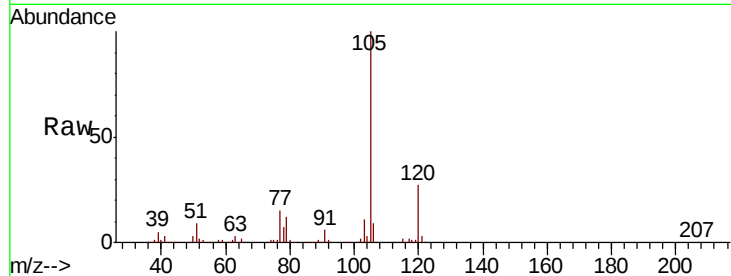
120 26.4 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.471 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Tgt Ion: 43 Resp: 171679

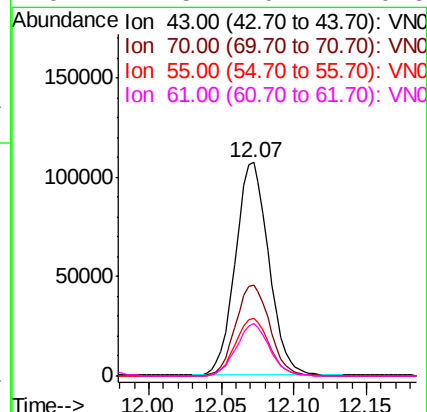
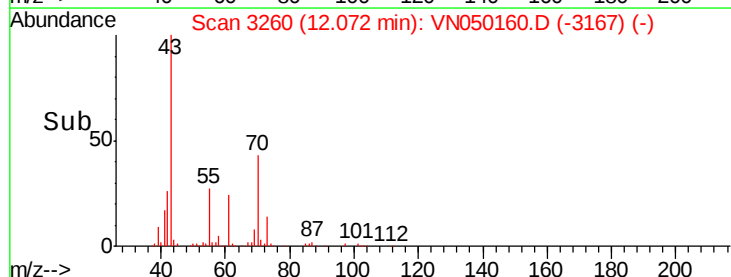
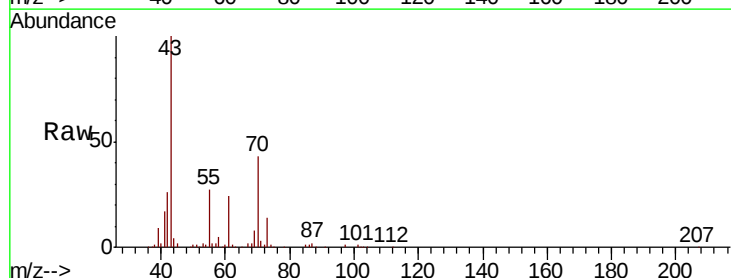
Ion Ratio Lower Upper

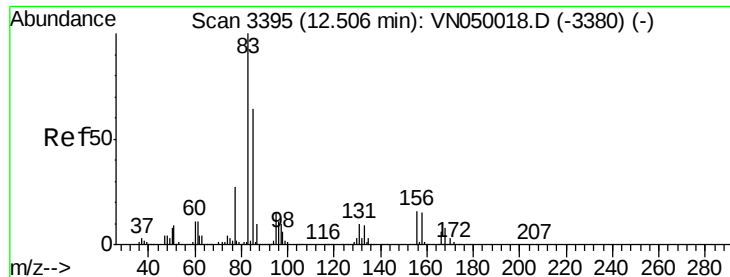
43 100

70 43.8 34.4 51.6

55 27.6 20.8 31.2

61 24.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.525 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

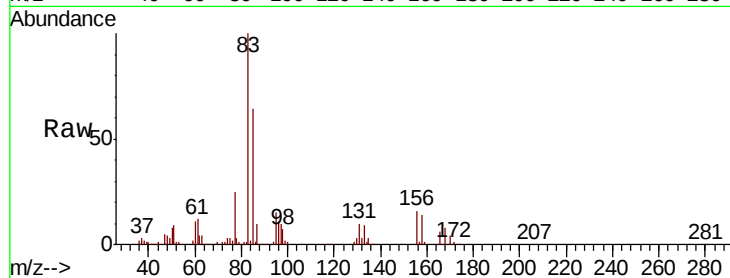
ClientSampleId :

VN0727WBSD03

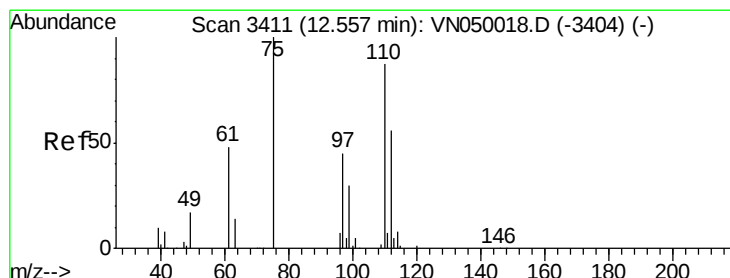
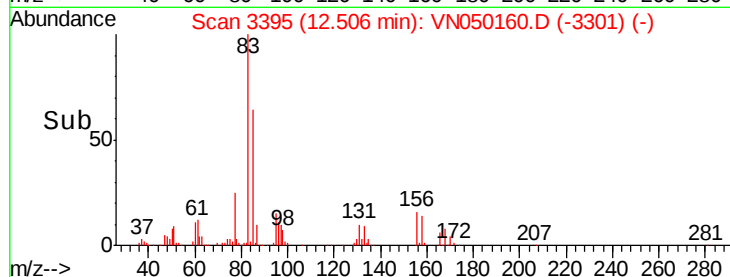
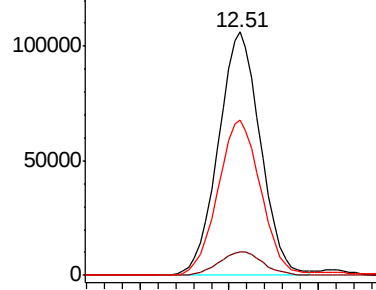
Tot Ion:	83	Resp:	175187
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	65.0	32.3	96.8

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Abundance Ion 82.90 (82.60 to 83.60): VN050018.D (-3380) (-)



#76

1,2,3-Trichloropropane

Concen: 21.456 ug/l m

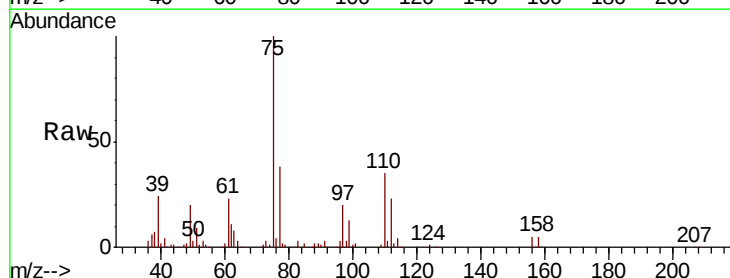
RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

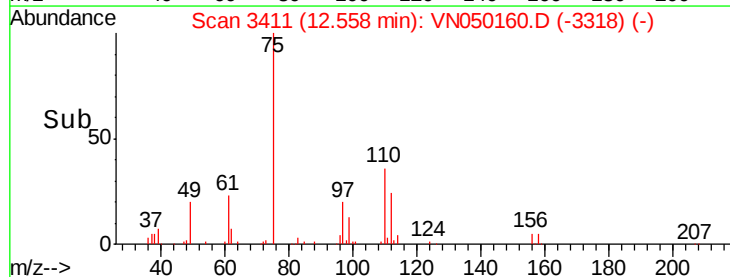
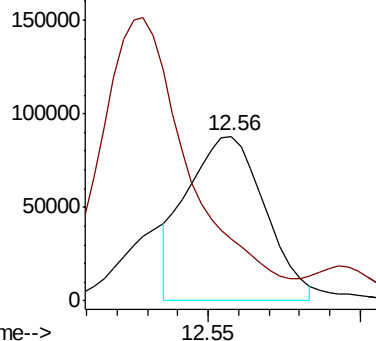
Lab File: VN050160.D

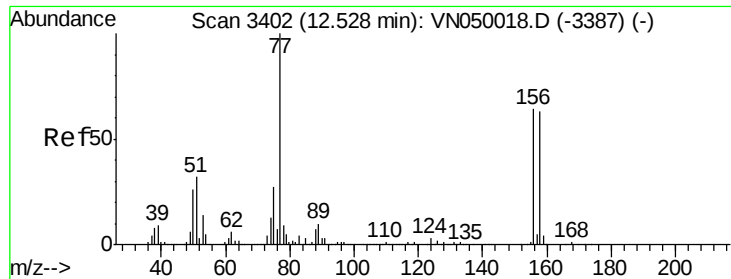
Acq: 28 Jul 2018 4:39

Tgt Ion:	75	Resp:	156356
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3404) (-)





#77

Bromobenzene

Concen: 20.123 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

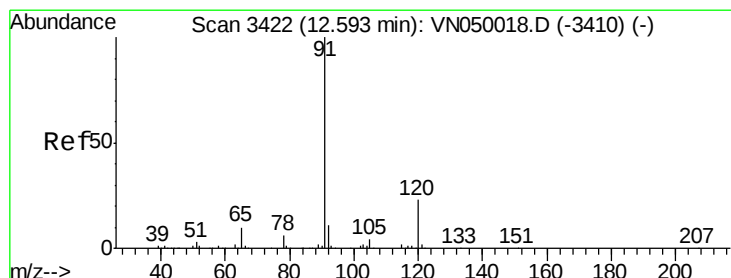
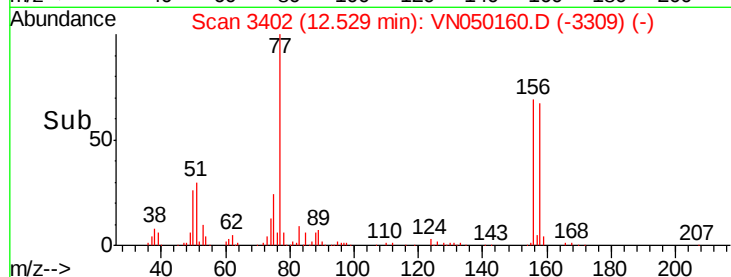
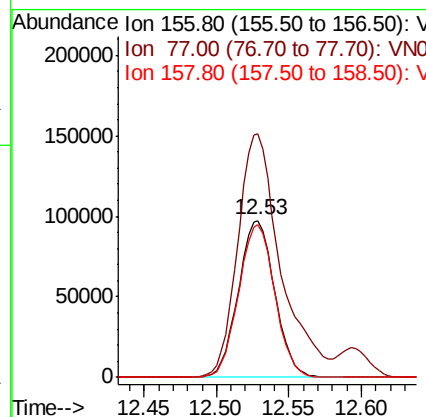
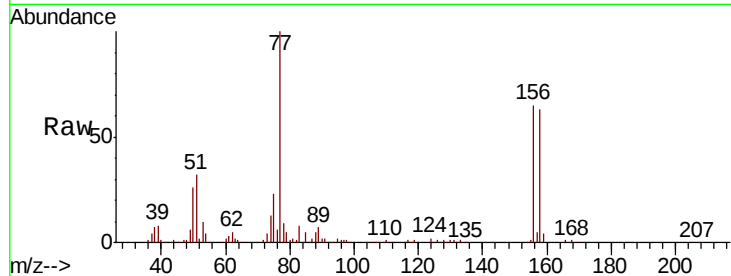
ClientSampleId :

VN0727WBSD03

Tot Ion:	156	Resp:	169615
Ion Ratio	Lower	Upper	
156	100		
77	183.2	91.7	275.1
158	96.9	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 21.301 ug/l

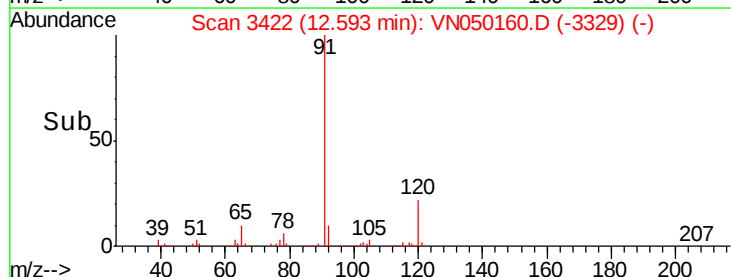
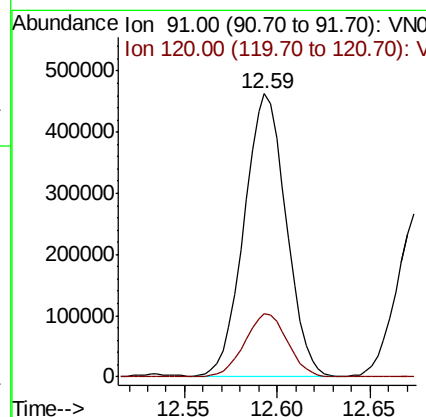
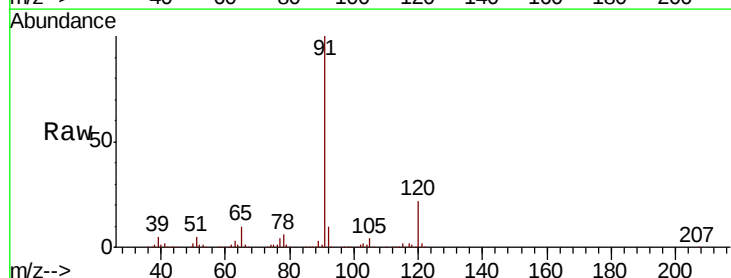
RT: 12.59 min Scan# 3422

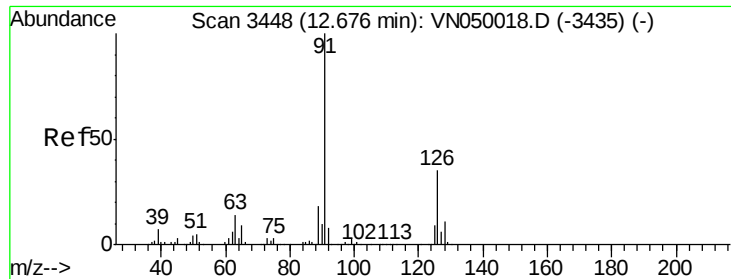
Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Tgt Ion:	91	Resp:	724070
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.6	34.7





#79

2-Chlorotoluene

Concen: 21.478 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampled :

VN0727WBSD03

Tot Ion: 91 Resp: 452522

Ion Ratio Lower Upper

91 100

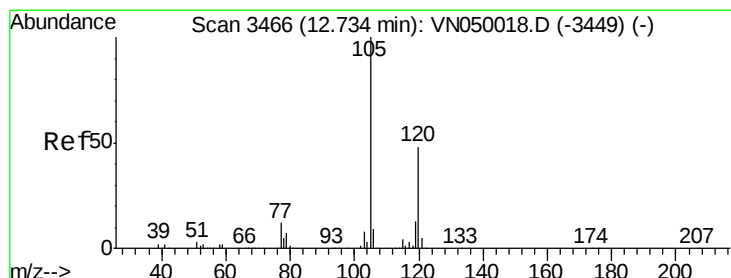
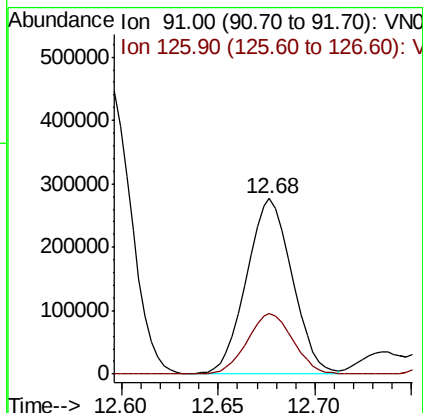
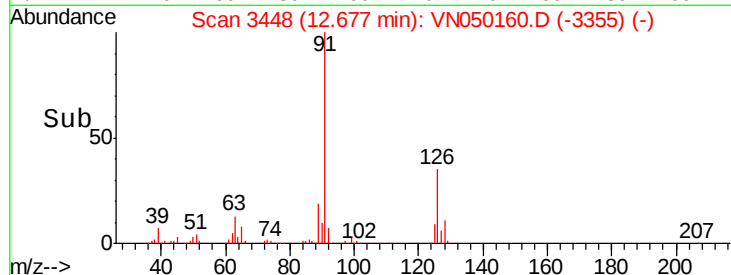
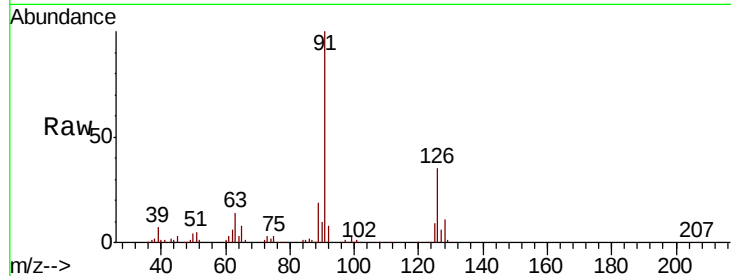
126 34.9 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.311 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050160.D

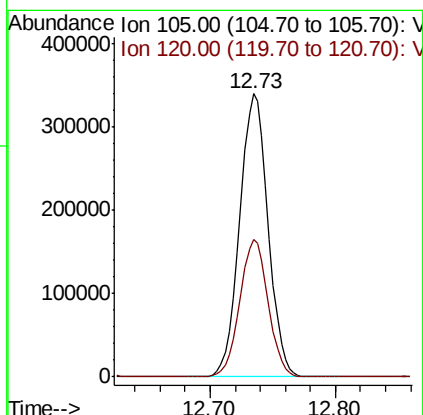
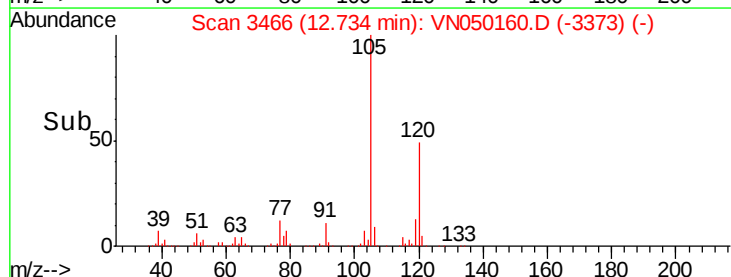
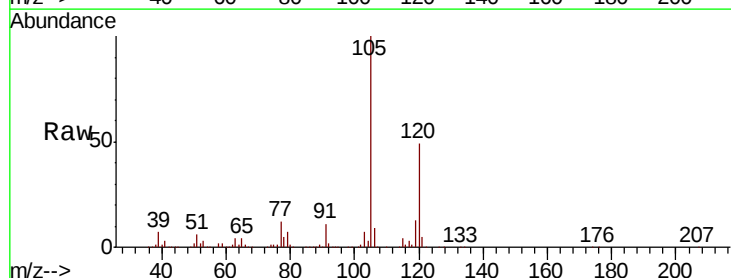
Acq: 28 Jul 2018 4:39

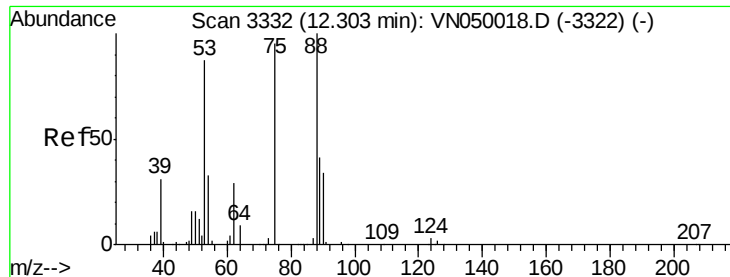
Tgt Ion: 105 Resp: 533708

Ion Ratio Lower Upper

105 100

120 48.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 15.357 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

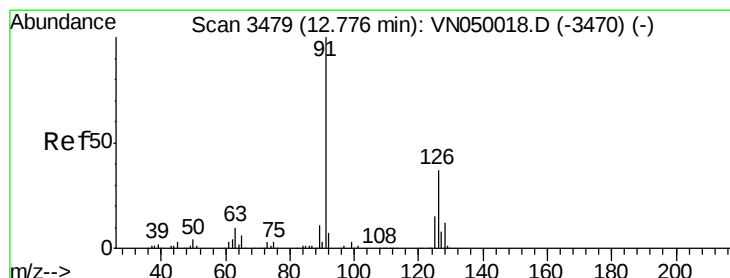
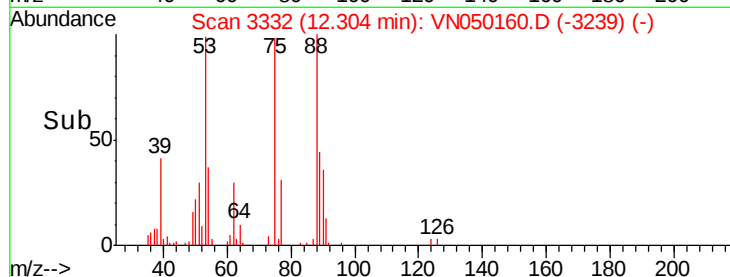
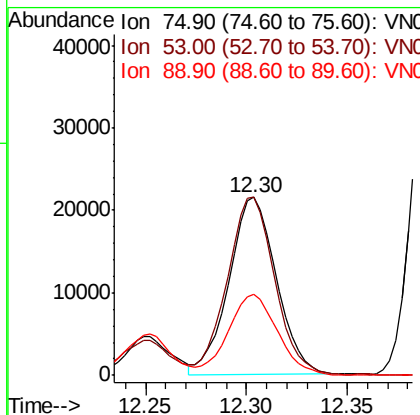
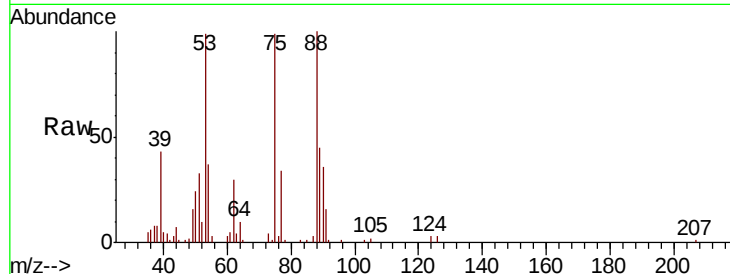
ClientSampleId :

VN0727WBSD03

Tot Ion:	75	Resp:	35284
Ion	Ratio	Lower	Upper
75	100		
53	101.7	73.5	110.3
89	47.5	36.0	54.0

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#82

4-Chlorotoluene

Concen: 20.965 ug/l

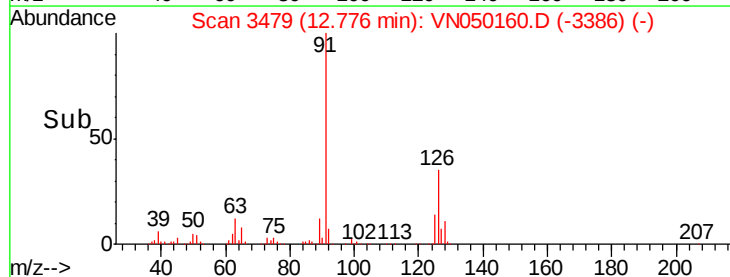
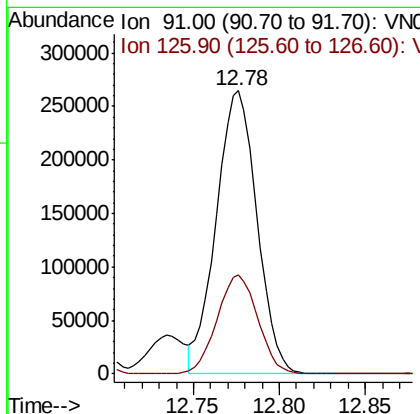
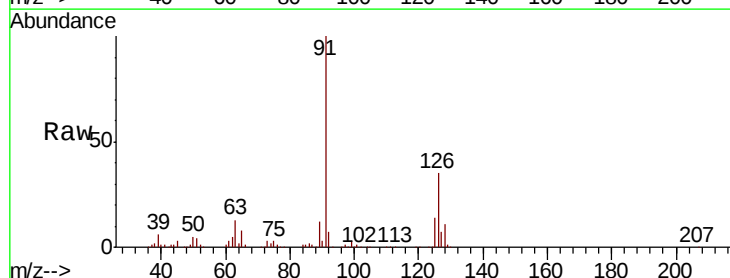
RT: 12.78 min Scan# 3479

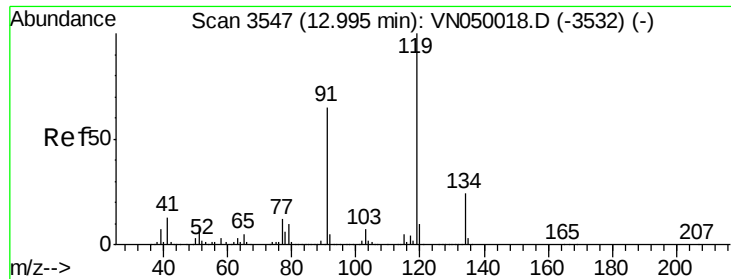
Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Tgt Ion:	91	Resp:	437404
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.0	51.0





#83

tert-Butylbenzene

Concen: 21.553 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

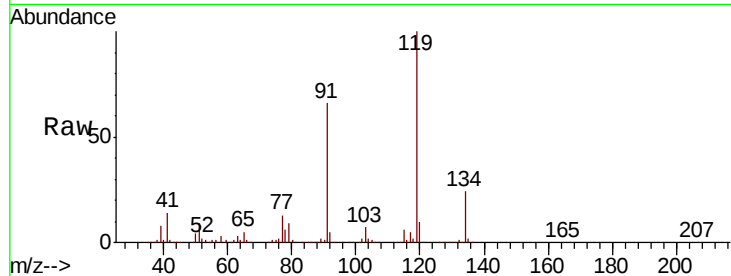
ClientSampleId :

VN0727WBSD03

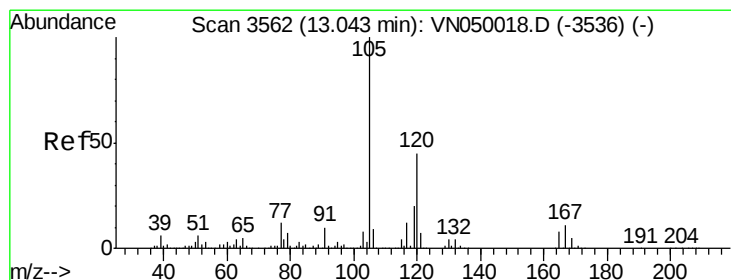
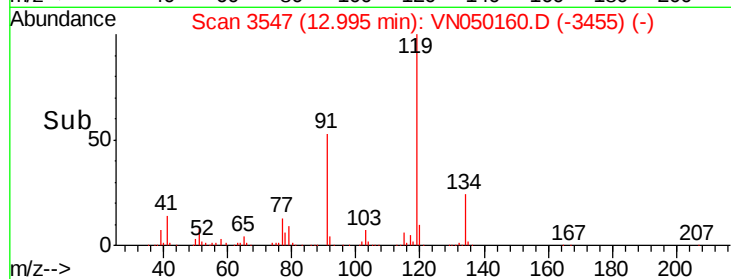
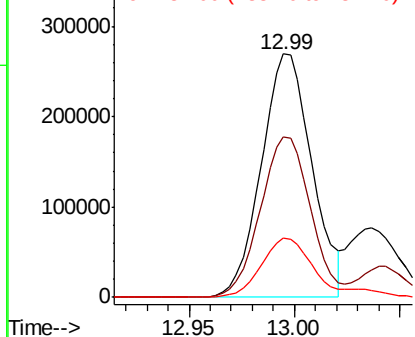
Tot Ion:	119	Resp:	449934
Ion Ratio	Lower	Upper	
119	100		
91	65.2	32.1	96.3
134	26.5	13.2	39.5

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.353 ug/l

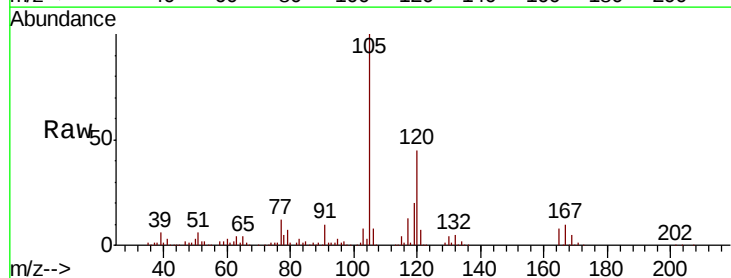
RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

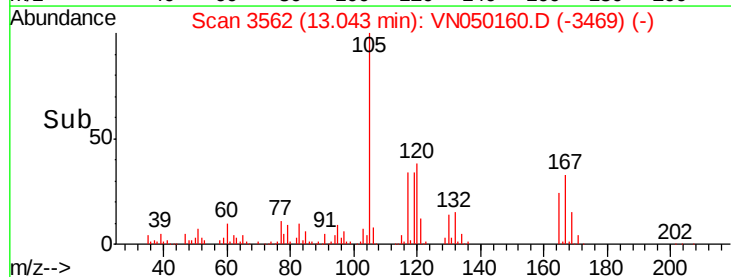
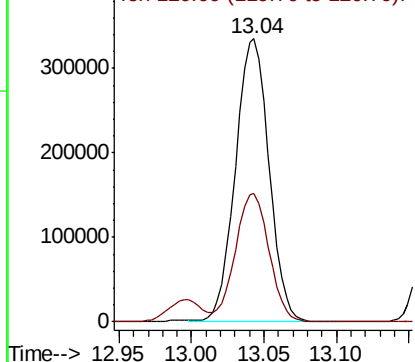
Lab File: VN050160.D

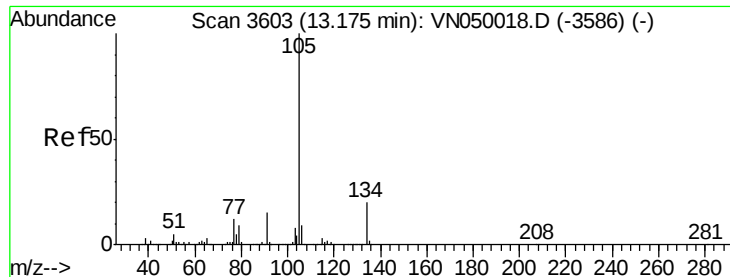
Acq: 28 Jul 2018 4:39

Tgt Ion:	105	Resp:	538971
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.9	68.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.377 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD03

Tot Ion:105 Resp: 596283

Ion Ratio Lower Upper

105 100

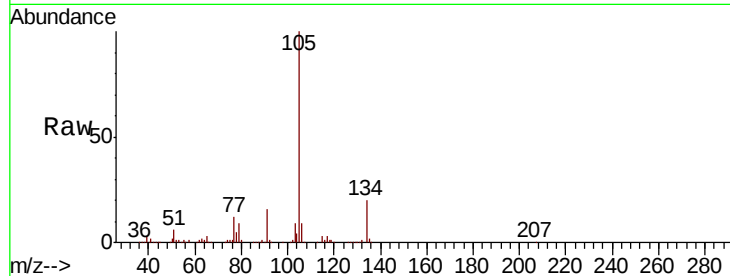
134 20.2 10.1 30.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

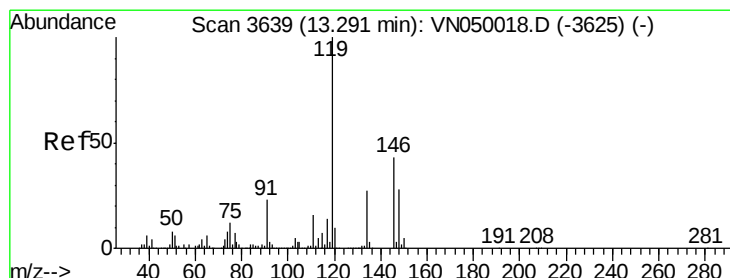
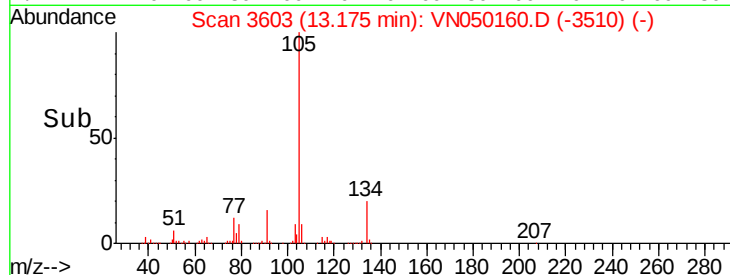
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.496 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

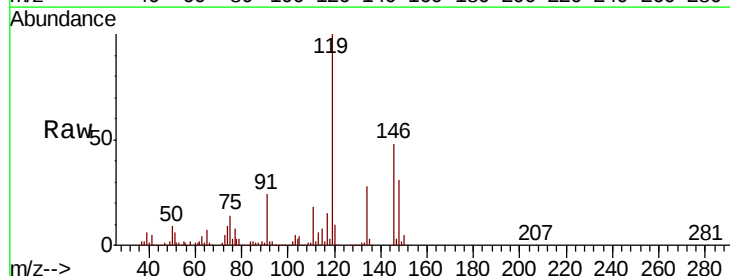
Tgt Ion:119 Resp: 505228

Ion Ratio Lower Upper

119 100

134 27.2 13.3 39.8

91 23.0 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

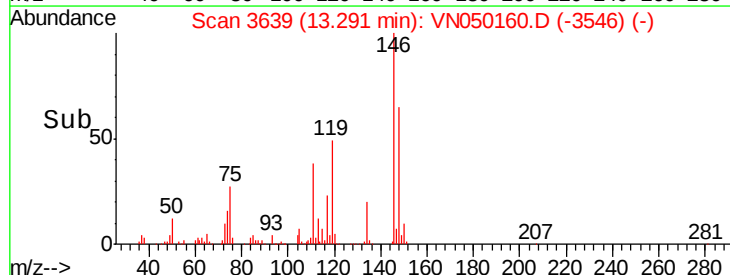
300000

200000

100000

0

Time-->





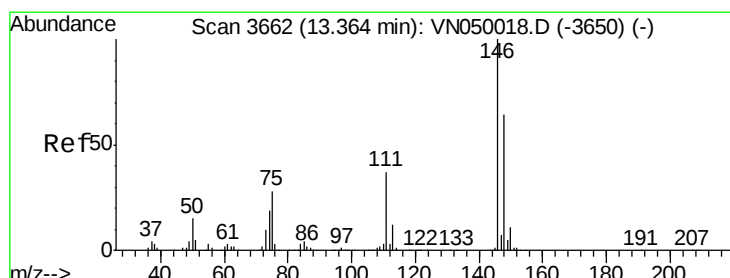
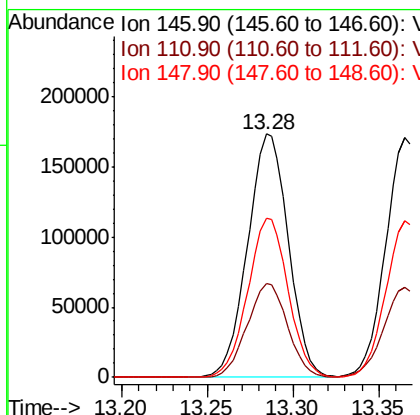
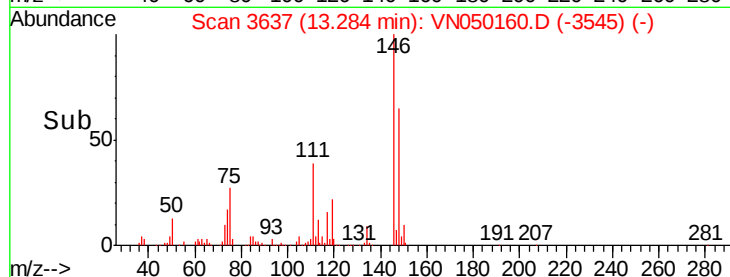
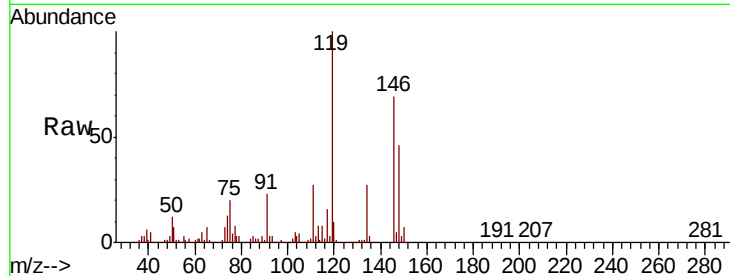
#87
 1,3-Dichlorobenzene
 Concen: 19.917 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
146	100	284580		
111	38.2	18.8	56.4	
148	64.6	31.9	95.9	

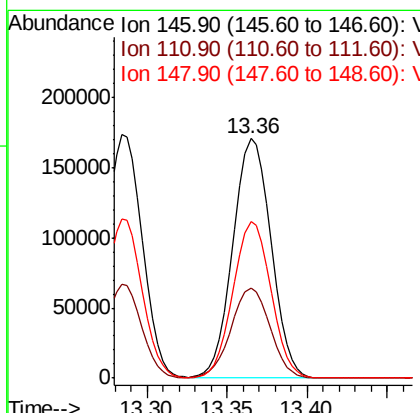
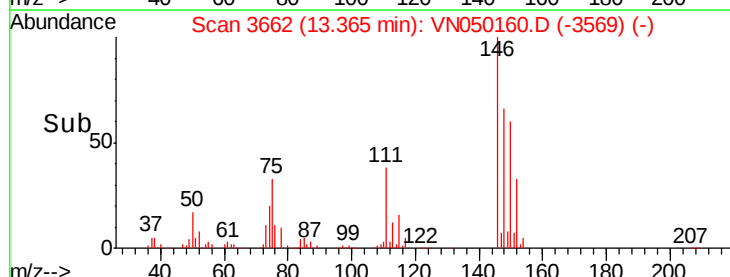
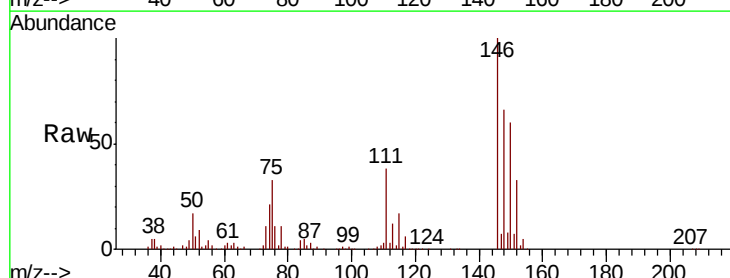
Manual Integrations
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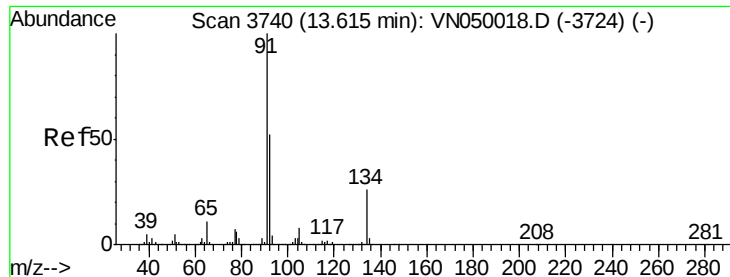
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 19.966 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	278066		
111	38.5	18.3	54.9	
148	64.8	31.9	95.9	





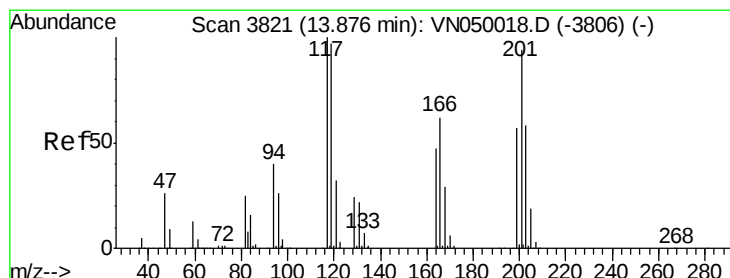
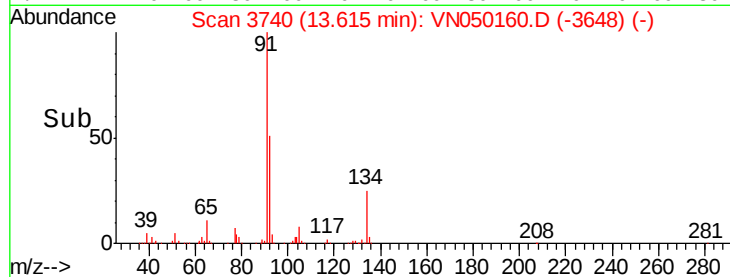
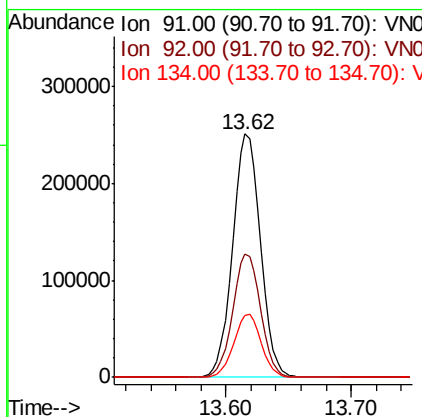
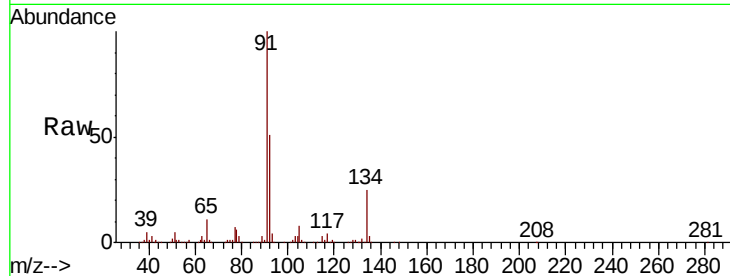
#89
n-Butylbenzene
Concen: 19.982 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	25.8	77.4
134	25.5	12.8	38.4

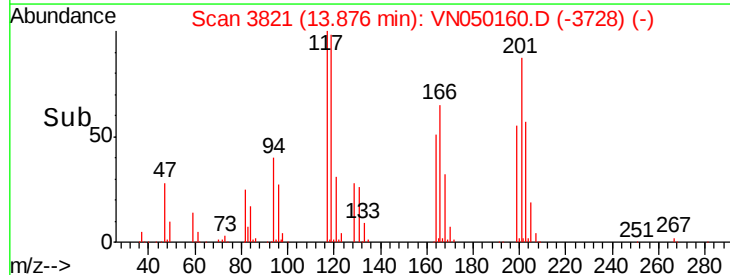
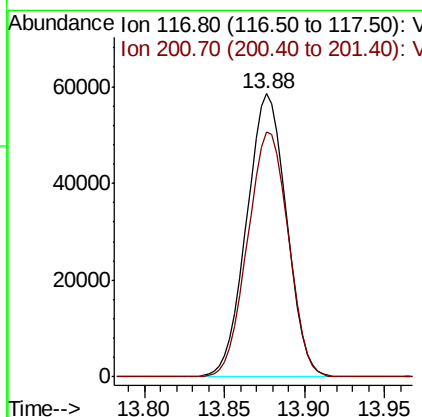
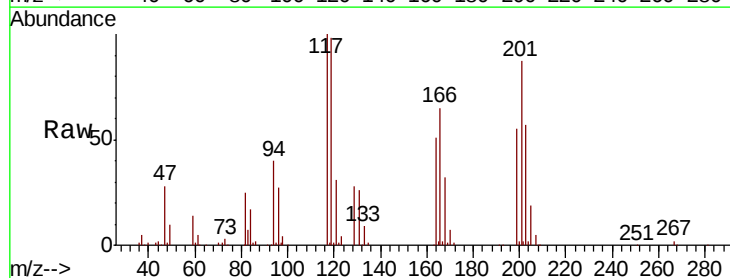
Manual Integrations
APPROVED

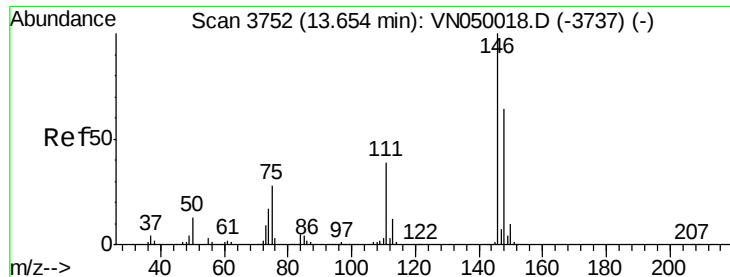
MMDadoda
7/30/2018 1:37:21 PM



#90
Hexachloroethane
Concen: 19.212 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	45.6	136.8





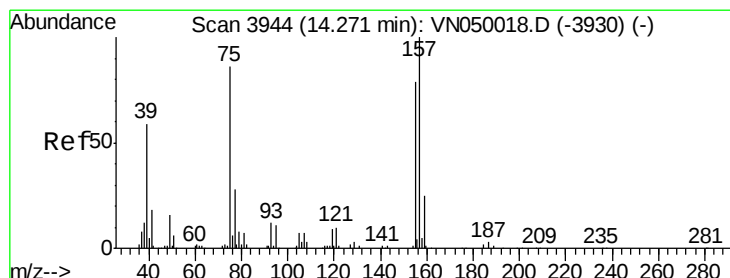
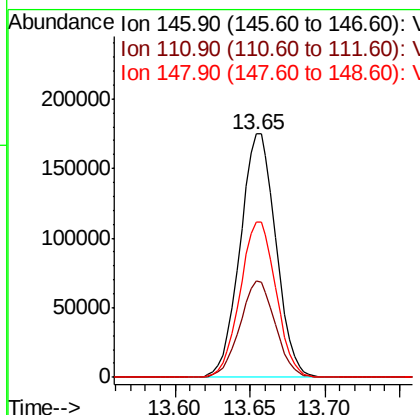
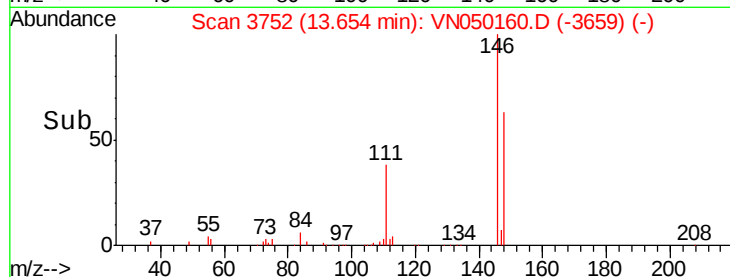
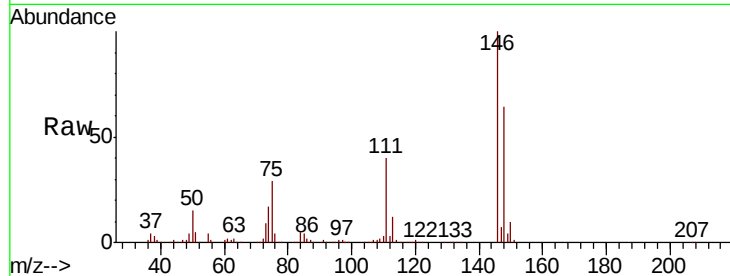
#91
 1,2-Dichlorobenzene
 Concen: 20.372 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	64.0	32.1	96.3

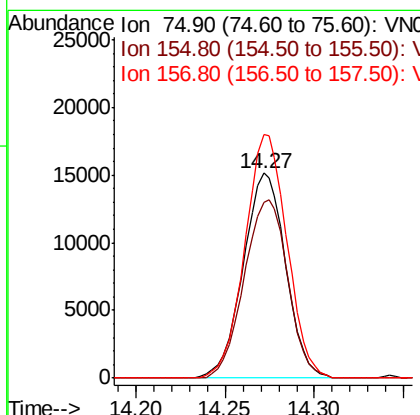
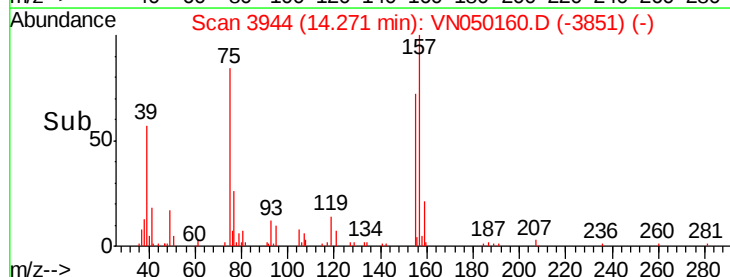
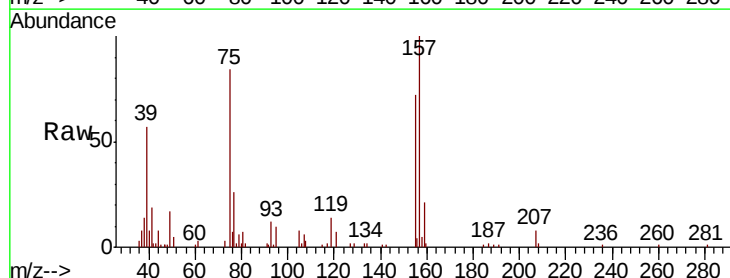
Manual Integrations
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 7/30/2018 1:37:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.148 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	44.8	134.4
157	117.6	57.2	171.6





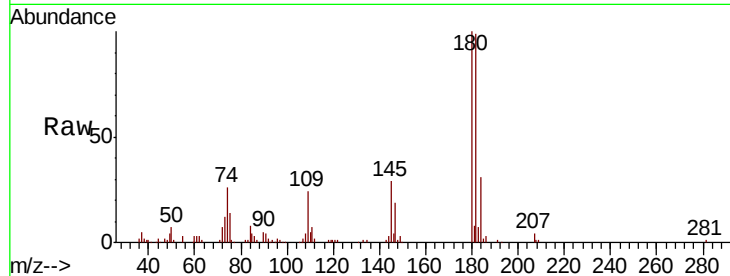
#93
 1,2,4-Trichlorobenzene
 Concen: 17.613 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	117282		
182	98.5	46.7	140.1	
145	29.0	13.8	41.4	

Manual Integrations
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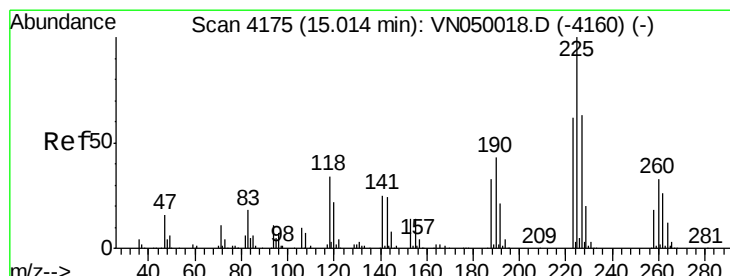
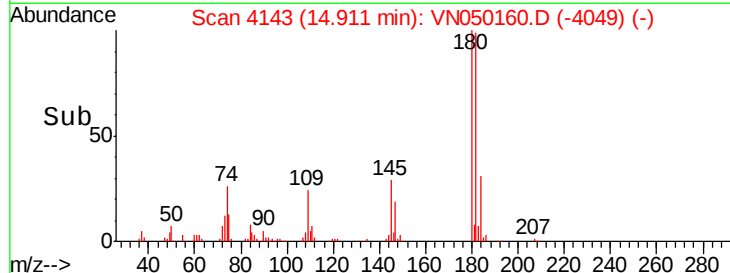
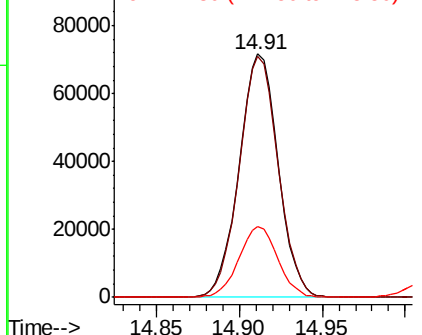


Abundance

Ion 179.80 (179.50 to 180.50): V

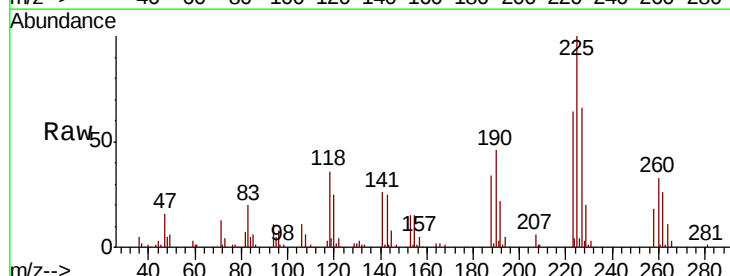
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.065 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	83366		
223	62.5	31.4	94.2	
227	65.9	32.1	96.5	

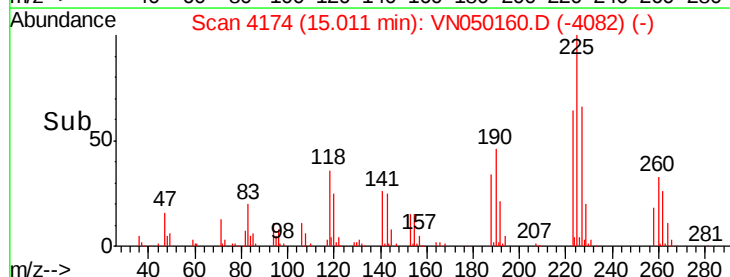
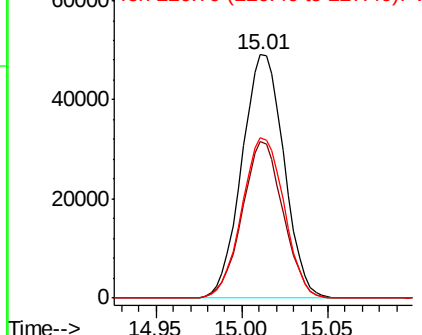


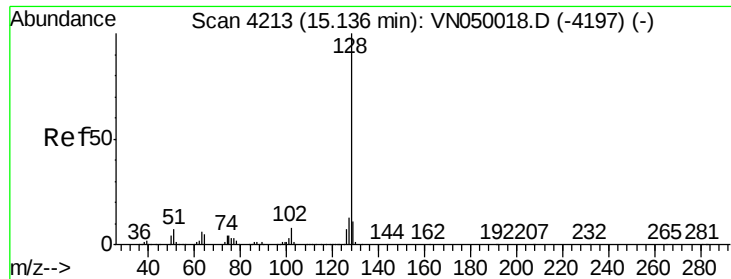
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.334 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

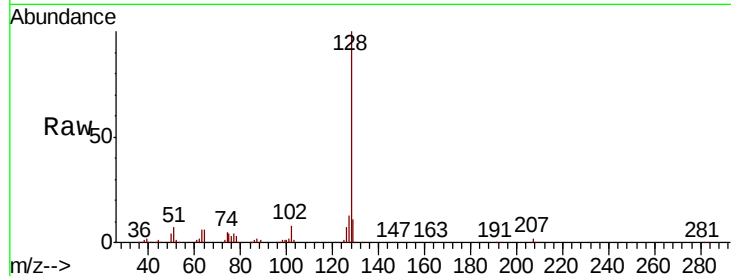
ClientSampleId :

VN0727WBSD03

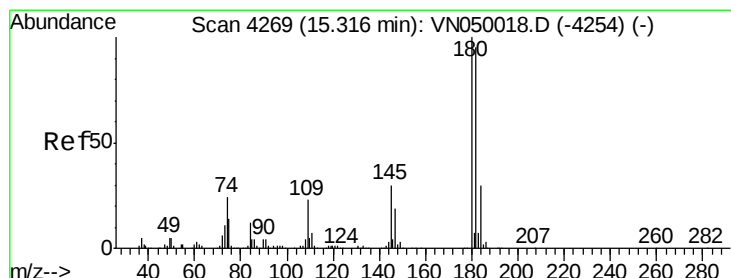
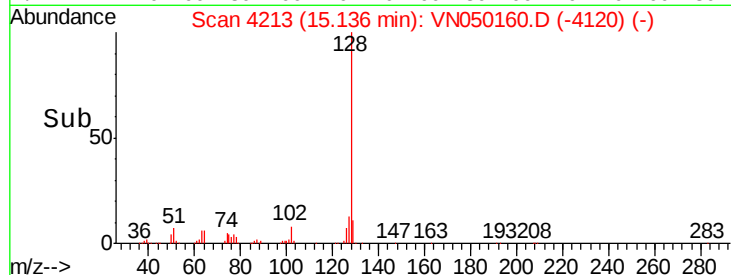
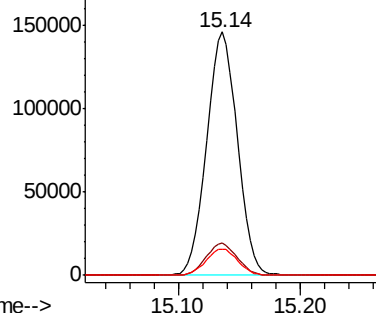
Tot Ion:	128	Resp:	253752
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	11.1	8.8	13.2

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.354 ug/l

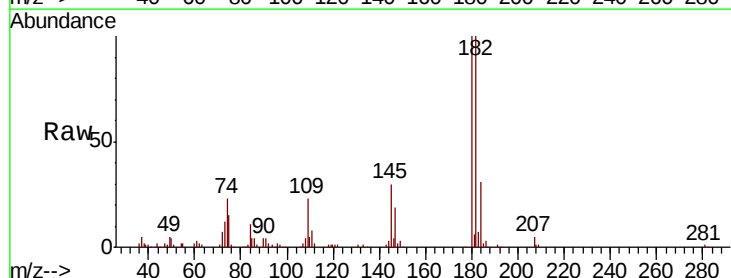
RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Tgt Ion:	180	Resp:	124641
Ion Ratio	Lower	Upper	
180	100		
182	98.7	48.1	144.4
145	30.7	15.3	45.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

