

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050159.D
 Acq On : 28 Jul 2018 4:14
 Operator : MD\SY
 Sample : VN0727WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 1:37:20 PM

Quant Time: Jul 30 02:11:01 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	593430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	909306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	809168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	398224	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	422237	51.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.00%		
35) Dibromofluoromethane	7.59	113	377607	50.86	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.72%		
50) Toluene-d8	10.09	98	1385319	50.75	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.50%		
62) 4-Bromofluorobenzene	12.40	95	440837	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.10%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	173566	20.356	ug/l	99
3) Chloromethane	2.06	50	169583	18.297	ug/l	99
4) Vinyl Chloride	2.18	62	181194	18.564	ug/l	98
5) Bromomethane	2.56	94	70169	12.187	ug/l	100
6) Chloroethane	2.70	64	108743	18.551	ug/l	97
7) Trichlorofluoromethane	3.01	101	239145	18.913	ug/l	99
8) Diethyl Ether	3.41	74	79436	18.845	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	143770	18.909	ug/l	99
10) Methyl Iodide	3.95	142	91309	9.357	ug/l	100
11) Tert butyl alcohol	4.80	59	50353	82.653	ug/l #	92
12) 1,1-Dichloroethene	3.73	96	126362	18.475	ug/l	96
13) Acrolein	3.61	56	21378	43.676	ug/l	98
14) Allyl chloride	4.33	41	192004	18.104	ug/l	98
15) Acrylonitrile	5.00	53	239585	90.141	ug/l	99
16) Acetone	3.82	43	180747	89.897	ug/l	99
17) Carbon Disulfide	4.05	76	367496	17.539	ug/l	100
18) Methyl Acetate	4.33	43	165085	20.812	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	351062	19.260	ug/l	100
20) Methylene Chloride	4.55	84	153086	20.103	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	136889	18.888	ug/l	99
22) Diisopropyl ether	5.96	45	440008	20.924	ug/l	95
23) Vinyl Acetate	5.90	43	1369938	92.185	ug/l	99
24) 1,1-Dichloroethane	5.85	63	269263	19.581	ug/l	99
25) 2-Butanone	6.84	43	276282	87.483	ug/l	99
26) 2,2-Dichloropropane	6.82	77	120463	11.515	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	152638	19.565	ug/l	96
28) Bromochloromethane	7.20	49	120423	19.200	ug/l	99
29) Tetrahydrofuran	7.22	42	179906	88.157	ug/l	99
30) Chloroform	7.37	83	273237	19.472	ug/l	96
31) Cyclohexane	7.66	56	216683	18.958	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	230897	19.236	ug/l	99
36) 1,1-Dichloropropene	7.80	75	195991	19.131	ug/l	99
37) Ethyl Acetate	6.93	43	126096	17.654	ug/l	99
38) Carbon Tetrachloride	7.78	117	201436	18.531	ug/l	99

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Quant Time: Jul 30 02:11:01 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	190501	18.076	ug/l	99
40) Benzene	8.04	78	599317	19.225	ug/l	99
41) Methacrylonitrile	7.18	41	67888	19.994	ug/l #	77
42) 1,2-Dichloroethane	8.13	62	195279	18.777	ug/l	100
43) Isopropyl Acetate	8.17	43	262682	18.805	ug/l	94
44) Trichloroethene	8.84	130	155181	18.525	ug/l	99
45) 1,2-Dichloropropane	9.12	63	161495	19.559	ug/l	96
46) Dibromomethane	9.21	93	96235	18.770	ug/l	99
47) Bromodichloromethane	9.41	83	205964	19.034	ug/l	100
48) Methyl methacrylate	9.20	41	111424	18.114	ug/l	100
49) 1,4-Dioxane	9.20	88	28364	338.821	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	631894	89.994	ug/l	99
52) Toluene	10.16	92	366836	19.935	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	178571	17.488	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	210683	18.054	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	141581	19.397	ug/l	98
56) Ethyl methacrylate	10.43	69	161712	17.722	ug/l	99
57) 1,3-Dichloropropane	10.71	76	228971	19.265	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	369064	85.697	ug/l	99
59) 2-Hexanone	10.75	43	408049	82.624	ug/l	98
60) Dibromochloromethane	10.90	129	151084	18.696	ug/l	99
61) 1,2-Dibromoethane	11.01	107	132503	18.297	ug/l	99
64) Tetrachloroethene	10.63	164	152389	19.588	ug/l	99
65) Chlorobenzene	11.44	112	396075	19.378	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147617	18.796	ug/l	97
67) Ethyl Benzene	11.51	91	643337	19.594	ug/l	100
68) m/p-Xylenes	11.62	106	505804	40.728	ug/l	99
69) o-Xylene	11.95	106	240050	20.276	ug/l	99
70) Styrene	11.97	104	381314	18.699	ug/l	99
71) Bromoform	12.13	173	105155	18.407	ug/l #	99
73) Isopropylbenzene	12.25	105	634356	20.540	ug/l	99
74) N-amyl acetate	12.07	43	169677	17.976	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	172397	19.832	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	144569m	19.534	ug/l	
77) Bromobenzene	12.53	156	166334	19.432	ug/l	99
78) n-propylbenzene	12.59	91	718222	20.806	ug/l	100
79) 2-Chlorotoluene	12.68	91	443187	20.713	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	522418	21.504	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35260	15.112	ug/l	93
82) 4-Chlorotoluene	12.78	91	440316	20.781	ug/l	99
83) tert-Butylbenzene	13.00	119	441718	20.835	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	529662	21.631	ug/l	100
85) sec-Butylbenzene	13.17	105	591471	20.880	ug/l	100
86) p-Isopropyltoluene	13.29	119	495861	20.774	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	282713	19.483	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	274385	19.400	ug/l	99
89) n-Butylbenzene	13.62	91	372013	18.953	ug/l	99
90) Hexachloroethane	13.88	117	100594	18.980	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	284248	19.596	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25589	18.077	ug/l	98

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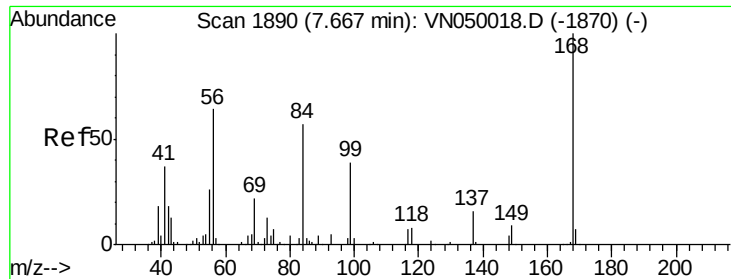
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	113758	16.961	ug/l	98
94) Hexachlorobutadiene	15.01	225	81806	18.422	ug/l	99
95) Naphthalene	15.14	128	231176	16.004	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	118705	17.349	ug/l	100

(#) = 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: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

Tot Ion:168 Resp: 593430

Ion Ratio Lower Upper

168 100

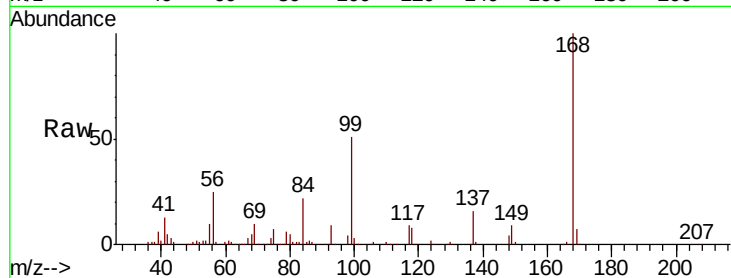
99 50.6 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

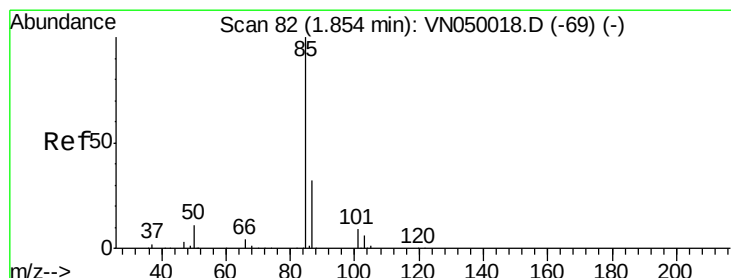
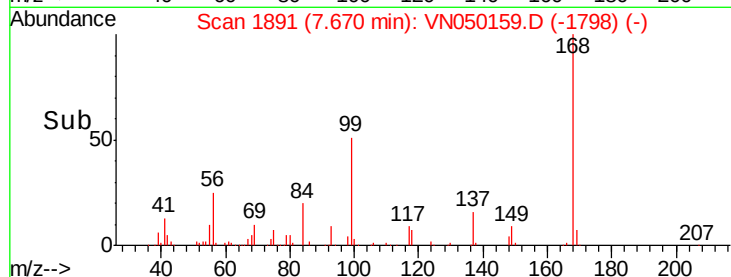
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.356 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050159.D

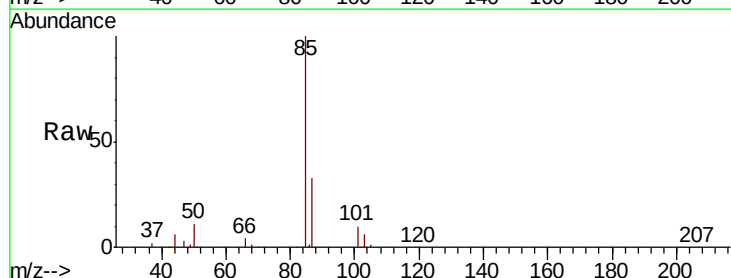
Acq: 28 Jul 2018 4:14

Tgt Ion: 85 Resp: 173566

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

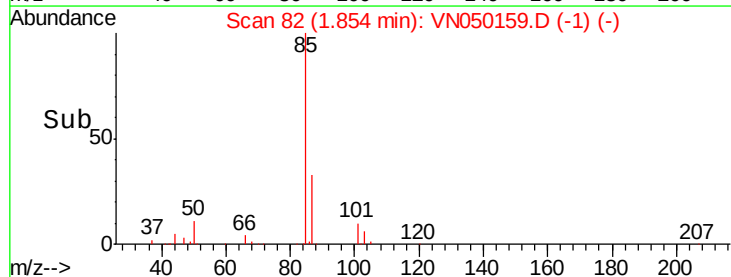
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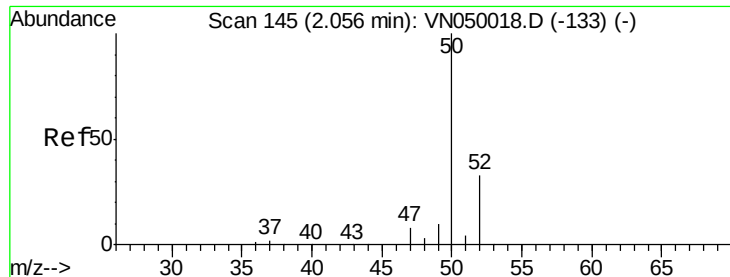
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.297 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

Tot Ion: 50 Resp: 169583

Ion Ratio Lower Upper

50 100

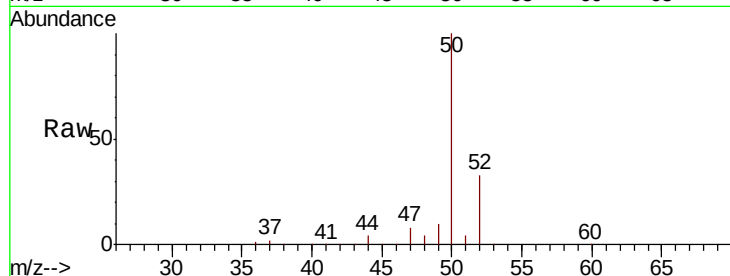
52 33.2 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

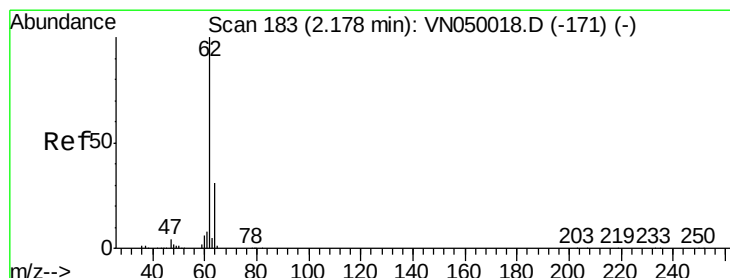
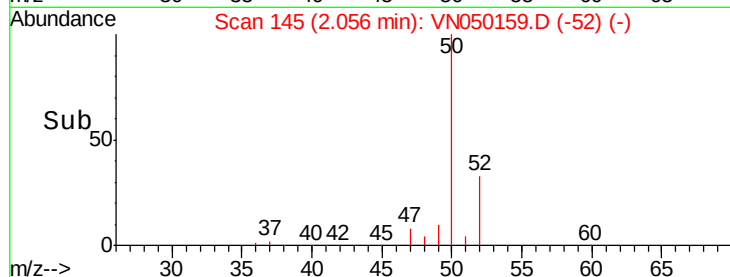
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 18.564 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050159.D

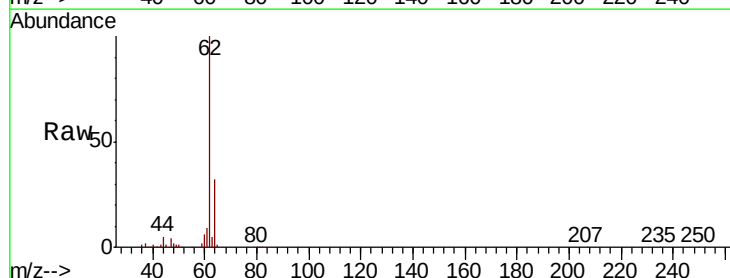
Acq: 28 Jul 2018 4:14

Tgt Ion: 62 Resp: 181194

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

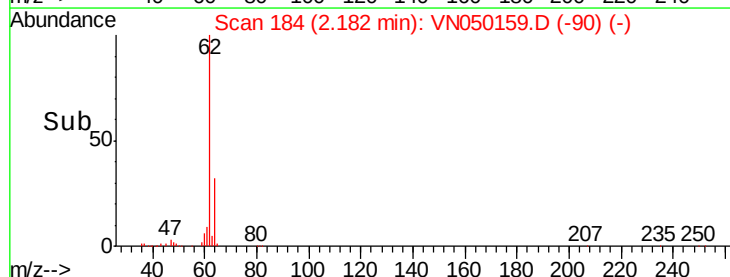
2.18

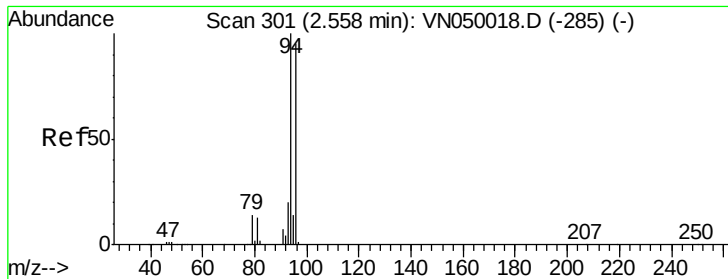
100000

50000

0

Time-->





#5

Bromomethane

Concen: 12.187 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

Tot Ion: 94 Resp: 70169

Ion Ratio Lower Upper

94 100

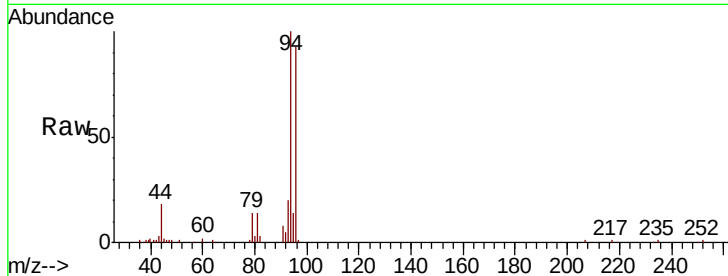
96 93.4 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

40000

30000

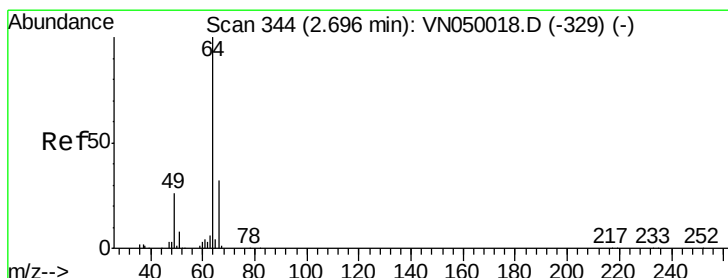
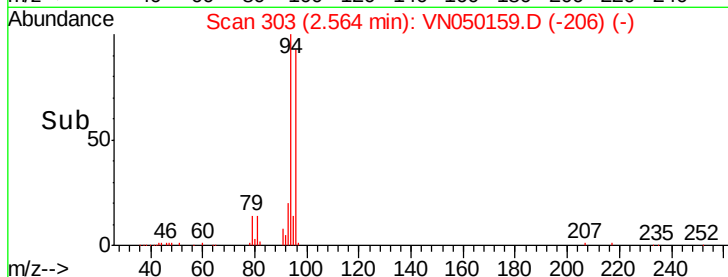
20000

10000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.551 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050159.D

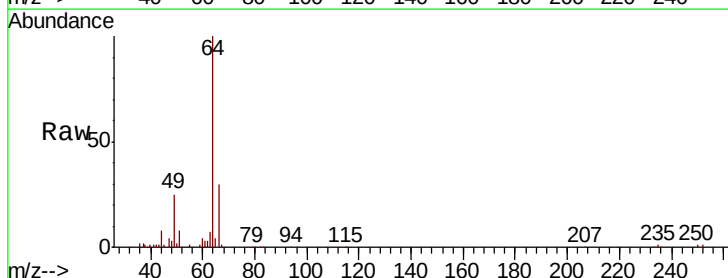
Acq: 28 Jul 2018 4:14

Tgt Ion: 64 Resp: 108743

Ion Ratio Lower Upper

64 100

66 29.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

60000

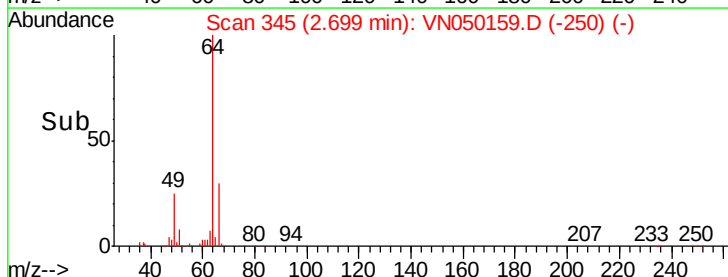
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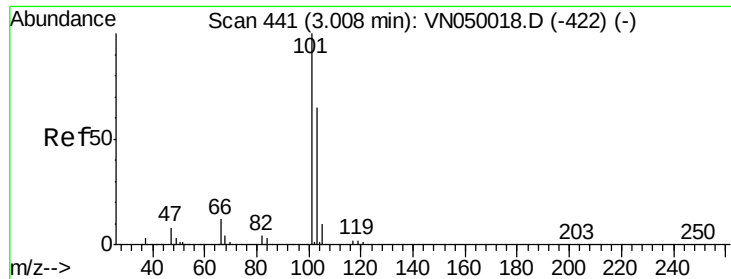
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Time-->

2.60 2.65 2.70 2.75 2.80





#7

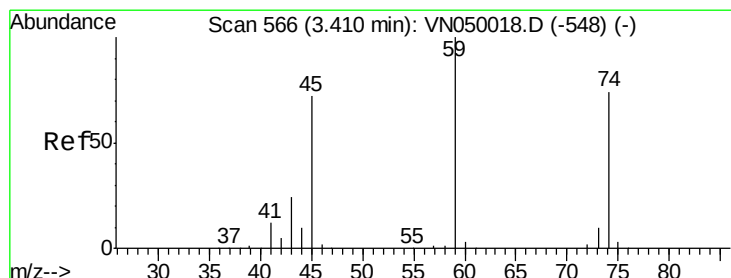
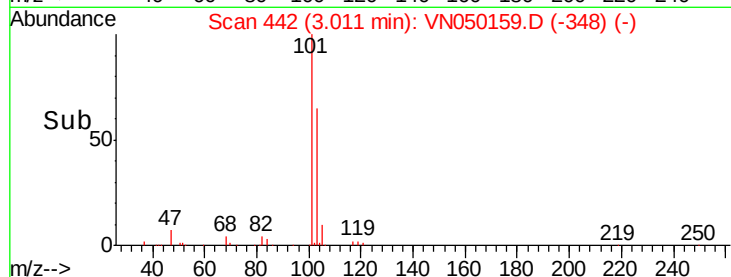
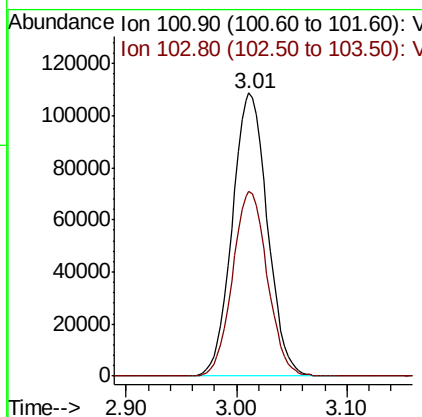
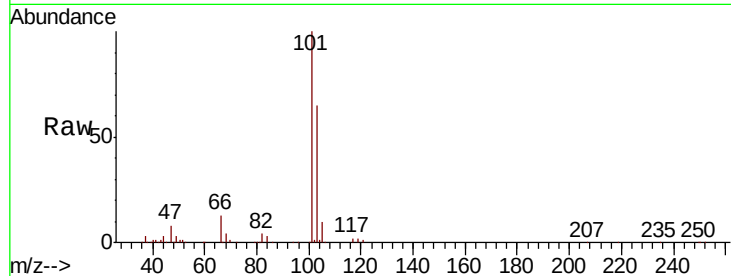
Trichlorofluoromethane
Concen: 18.913 ug/l
RT: 3.01 min Scan# 442
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
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VN0727WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		239145		
103	65.4	51.7	77.5		

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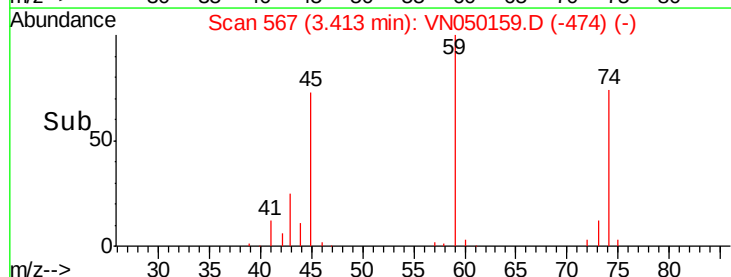
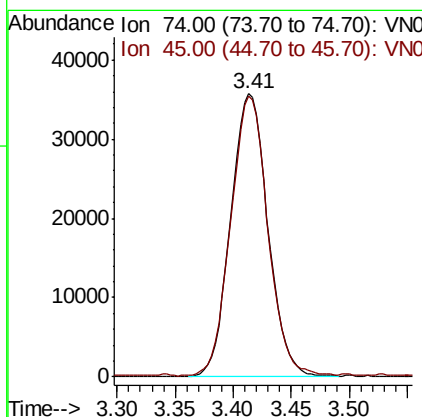
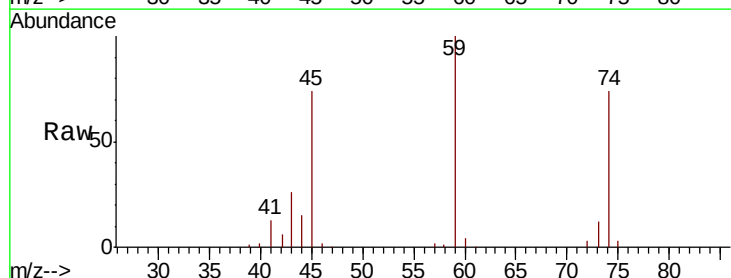
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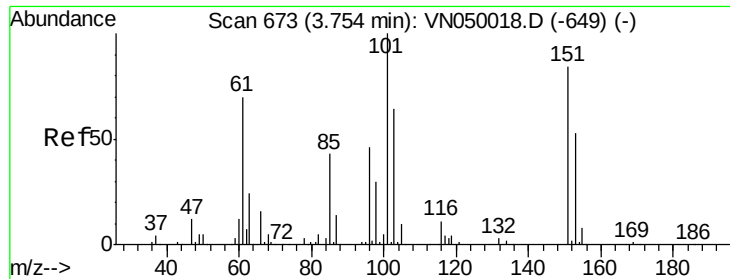


#8

Diethyl Ether
Concen: 18.845 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		79436		
45	100.0	47.6	142.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.909 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

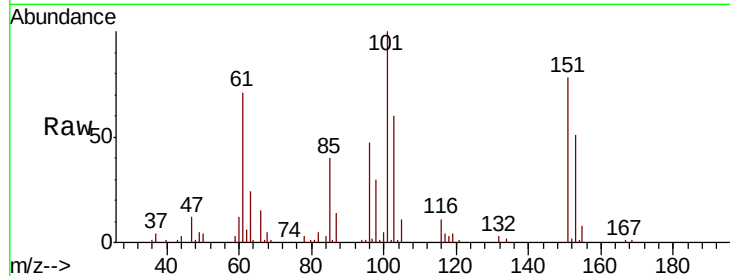
ClientSampleId :

VN0727WBS03

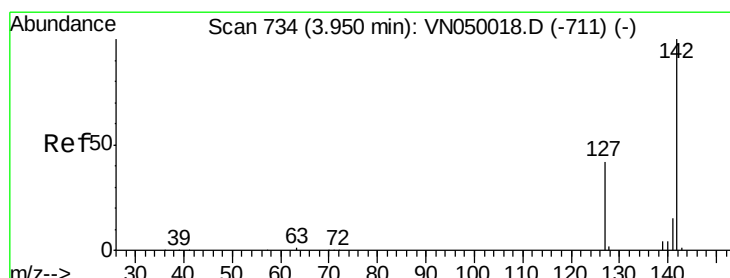
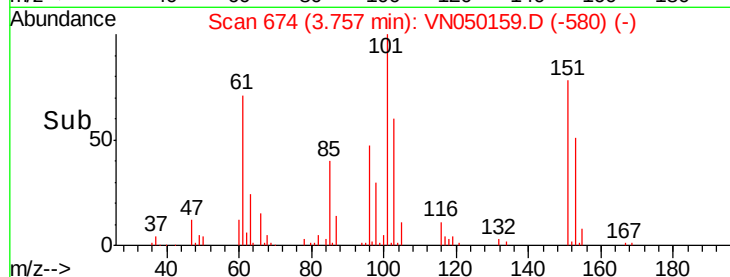
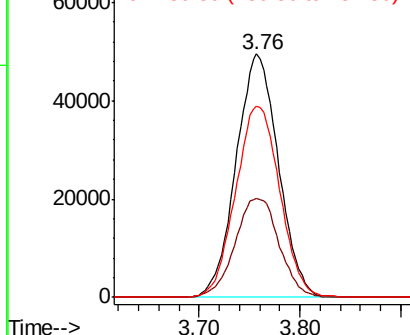
Tot Ion:	101	Resp:	143770
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.2
151	82.3	66.3	99.5

Manual Integrations
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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: 9.357 ug/l

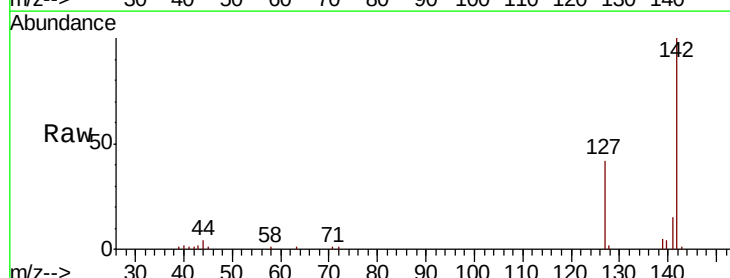
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

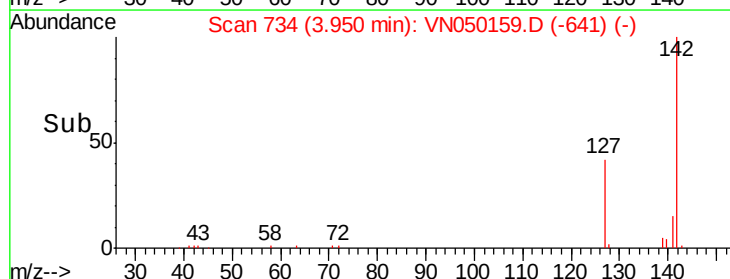
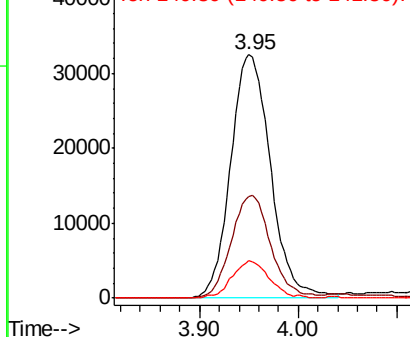
Lab File: VN050159.D

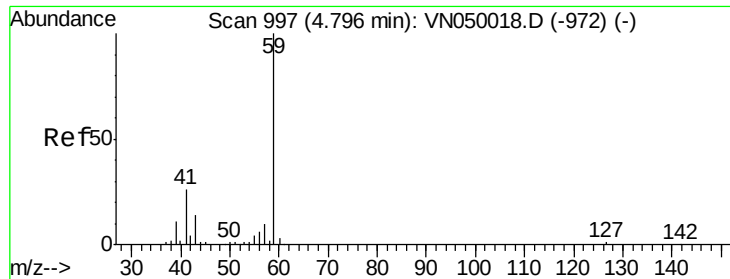
Acq: 28 Jul 2018 4:14

Tgt Ion:	142	Resp:	91309
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.4	50.2
141	13.9	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





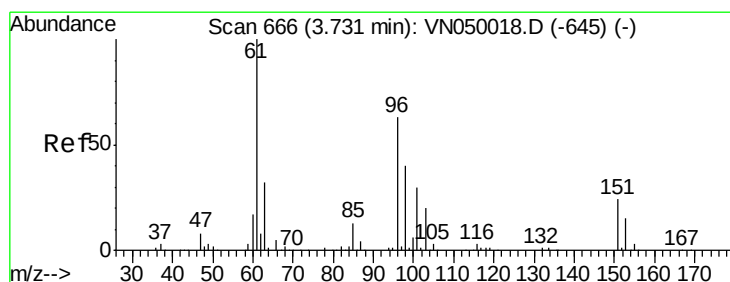
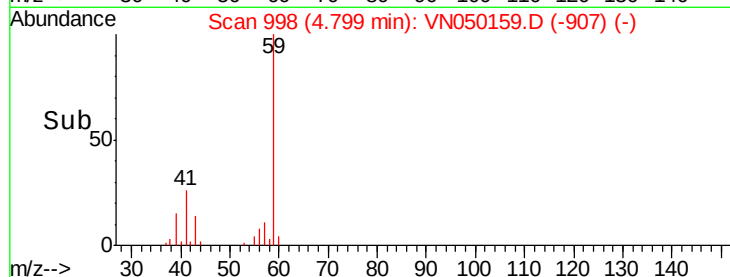
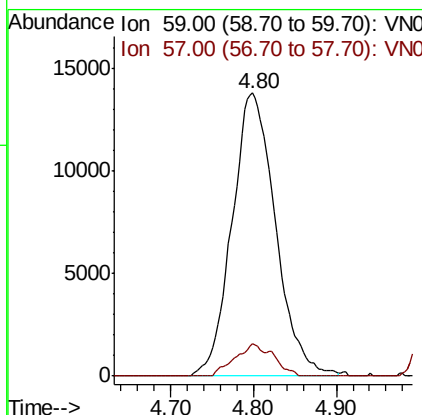
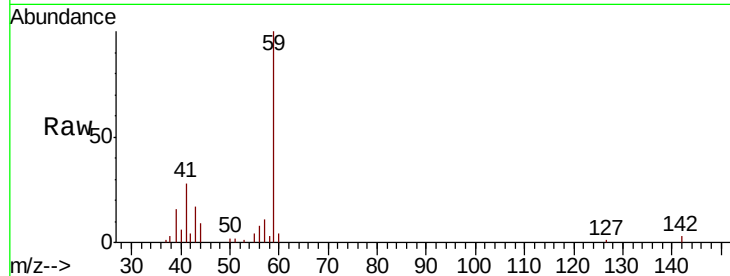
#11
Tert butyl alcohol
Concen: 82.653 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.4	8.5	12.7#

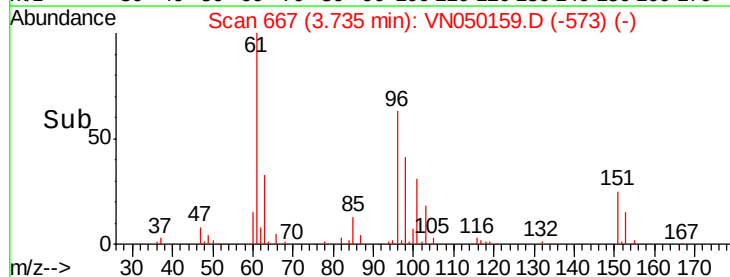
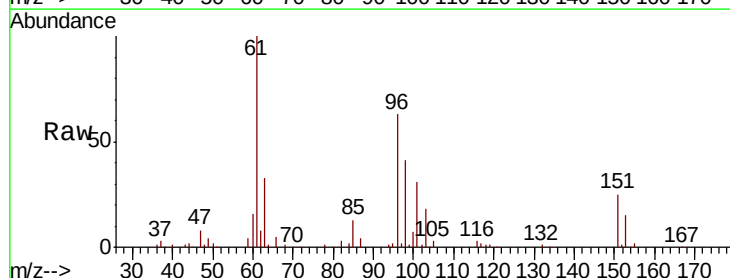
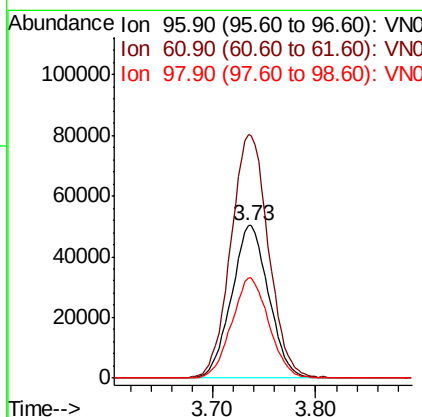
Manual Integrations
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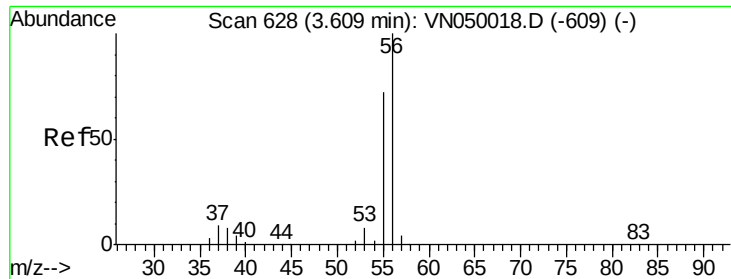
MMDadoda
7/30/2018 1:37:20 PM



#12
1,1-Dichloroethene
Concen: 18.475 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.0	124.4	186.6
98	65.8	48.3	72.5





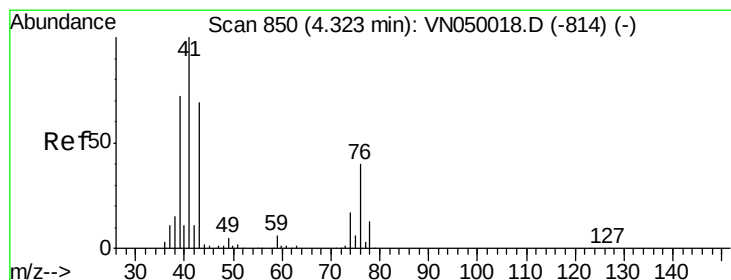
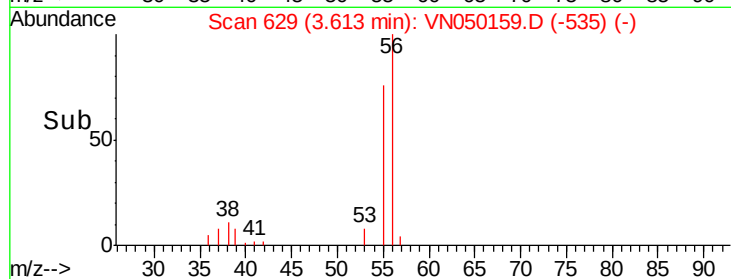
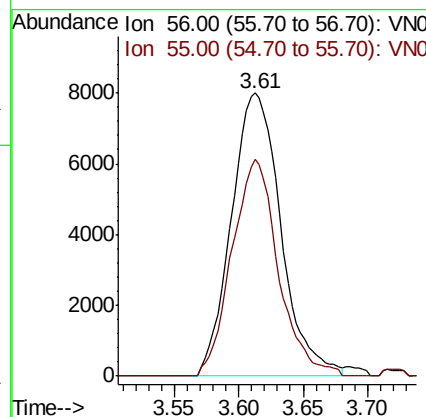
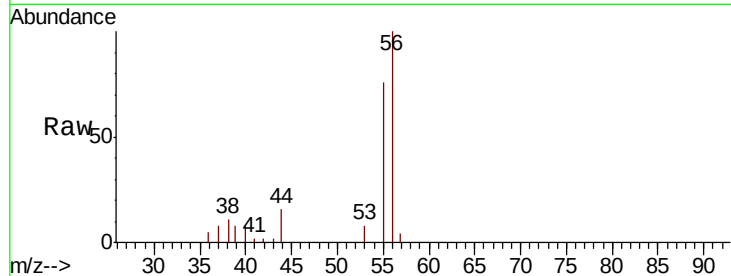
#13
 Acrolein
 Concen: 43.676 ug/l
 RT: 3.61 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.6	55.8	83.6

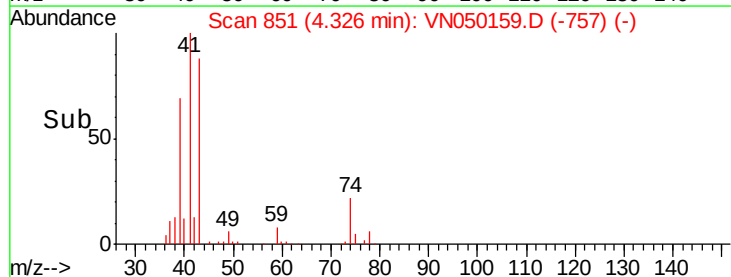
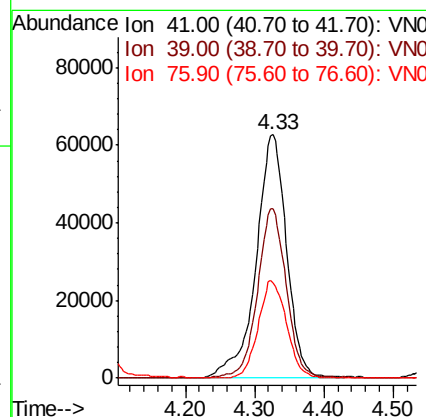
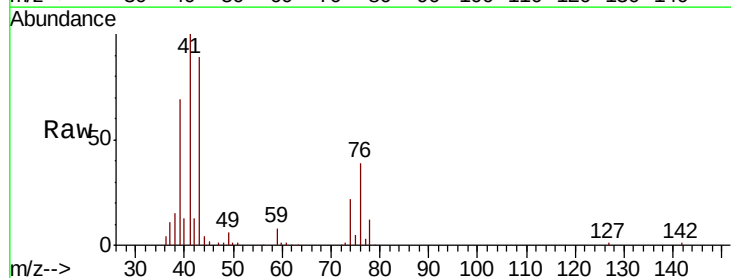
Manual Integrations
 APPROVED

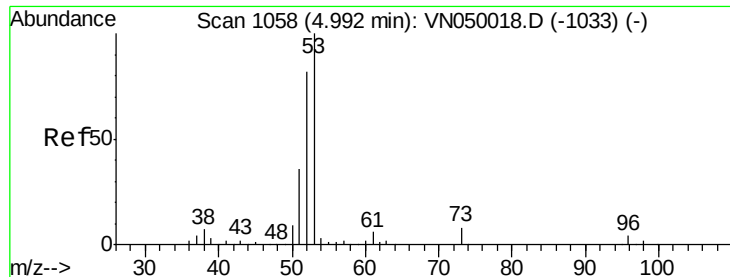
MMDadoda
 7/30/2018 1:37:20 PM



#14
 Allyl chloride
 Concen: 18.104 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.3	54.2	81.4
76	37.0	29.0	43.6





#15

Acrylonitrile

Concen: 90.141 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

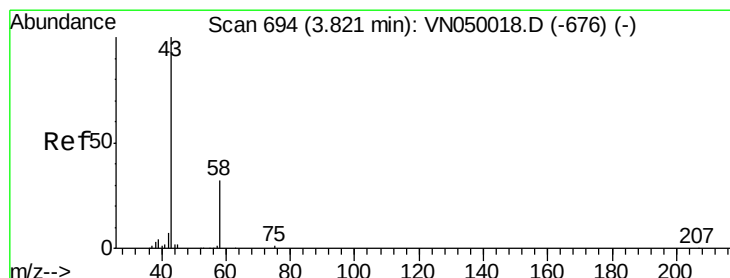
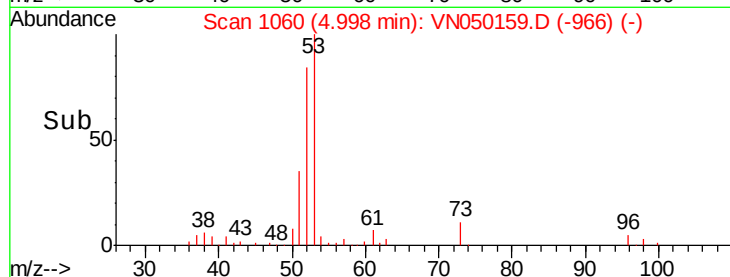
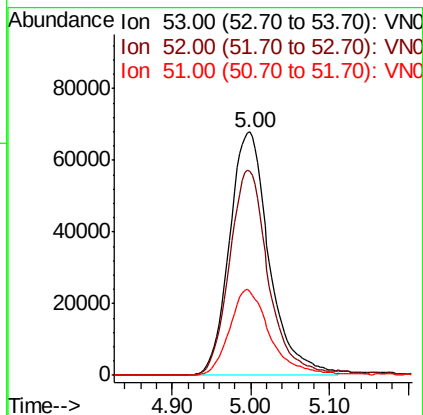
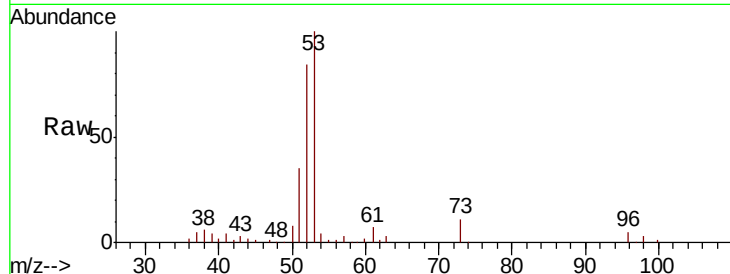
ClientSampleId :

VN0727WBS03

Tot Ion:	53	Resp:	239585
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.2	99.2
51	35.9	29.3	43.9

Manual Integrations
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7/30/2018 1:37:20 PM



#16

Acetone

Concen: 89.897 ug/l

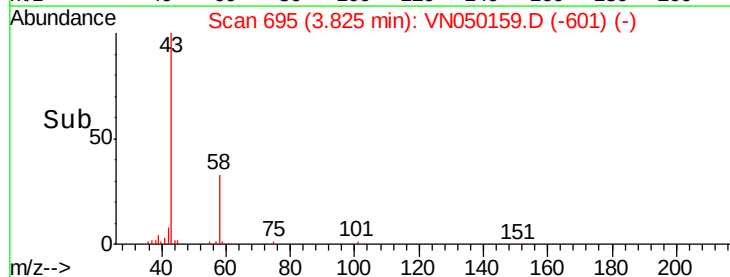
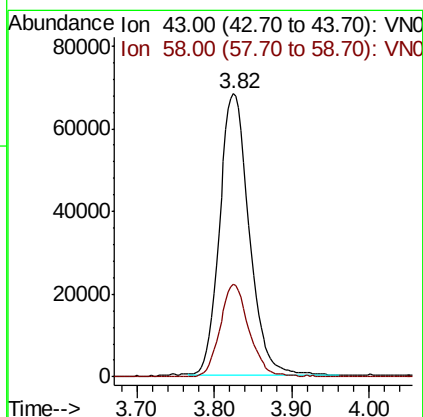
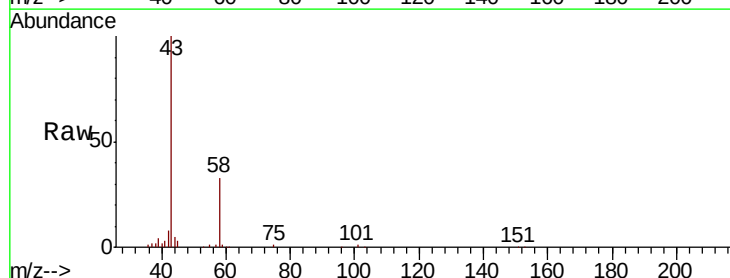
RT: 3.82 min Scan# 695

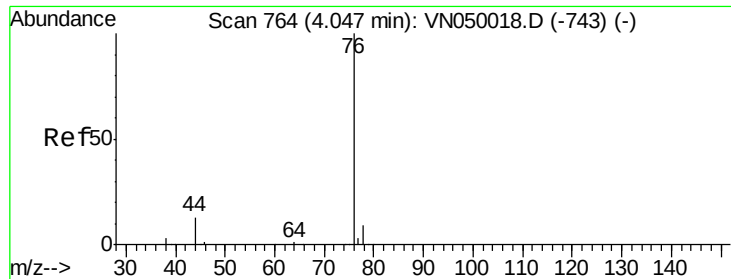
Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Tgt Ion:	43	Resp:	180747
Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.8	38.8





#17

Carbon Disulfide

Concen: 17.539 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

Tot Ion: 76 Resp: 367496

Ion Ratio Lower Upper

76 100

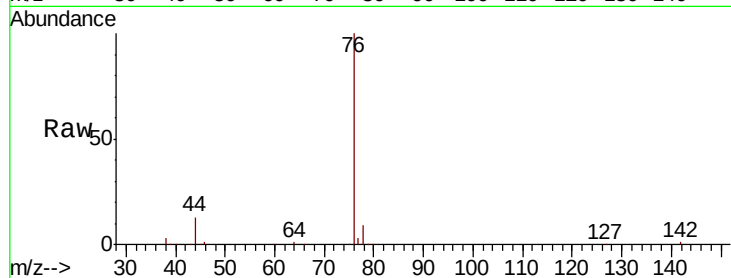
78 9.2 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

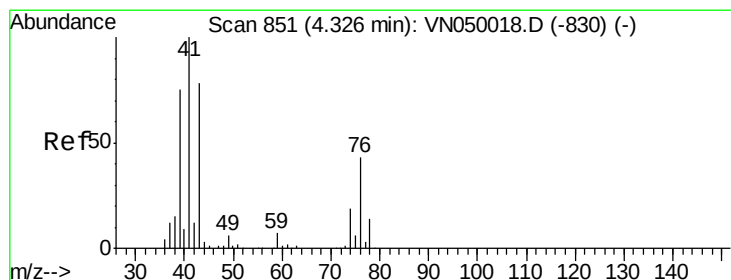
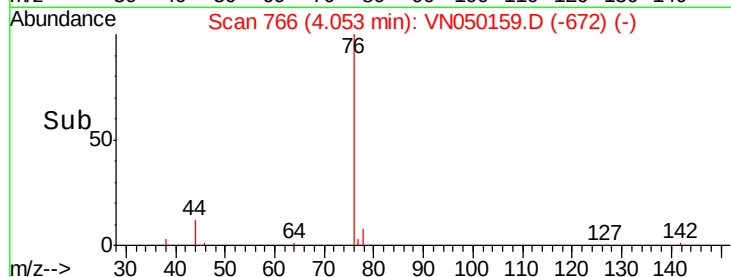
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.812 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN050159.D

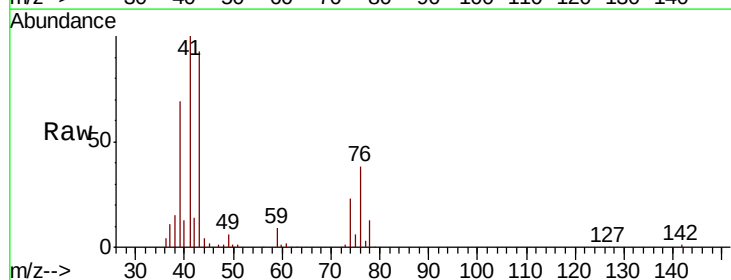
Acq: 28 Jul 2018 4:14

Tgt Ion: 43 Resp: 165085

Ion Ratio Lower Upper

43 100

74 25.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

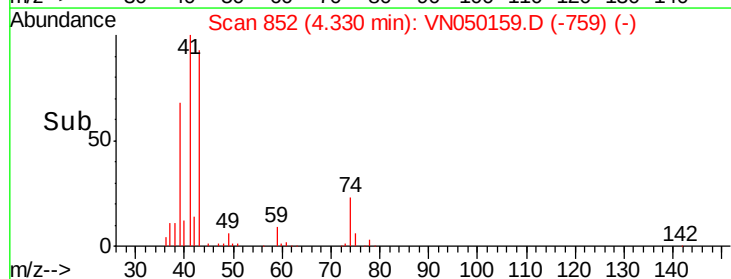
60000

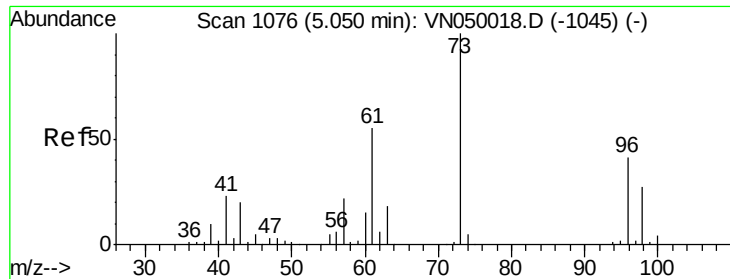
40000

20000

0

Time-->





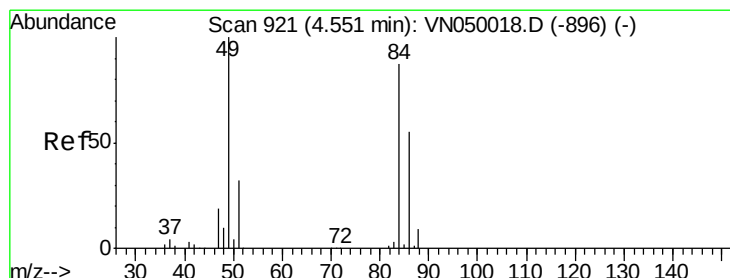
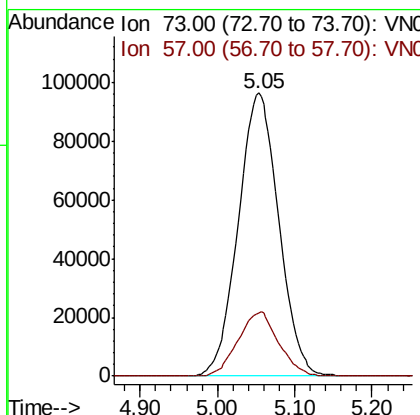
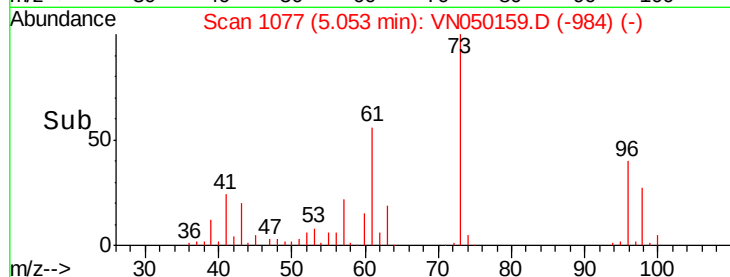
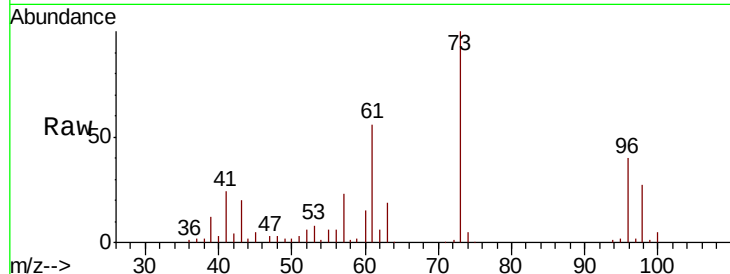
#19
Methvl tert-butvl Ether
Concen: 19.260 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion: 73 Resp: 351062
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0

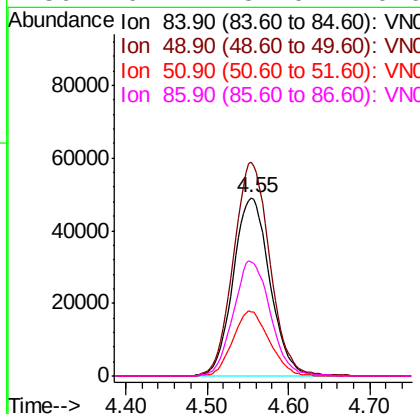
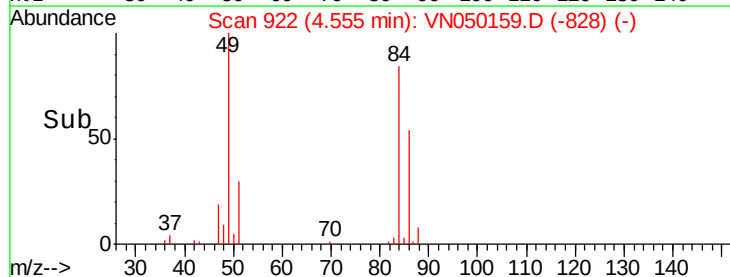
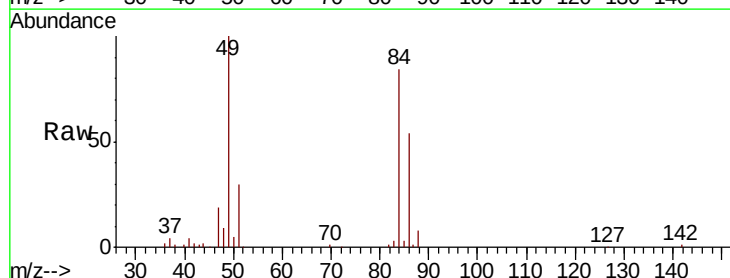
Manual Integrations
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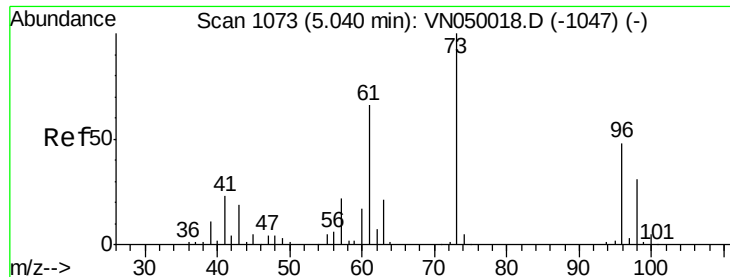
MMDadoda
7/30/2018 1:37:20 PM



#20
Methylene Chloride
Concen: 20.103 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion: 84 Resp: 153086
Ion Ratio Lower Upper
84 100
49 119.7 94.8 142.2
51 36.2 28.3 42.5
86 64.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.888 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

Tot Ion: 96 Resp: 136889

Ion Ratio Lower Upper

96 100

61 136.9 110.7 166.1

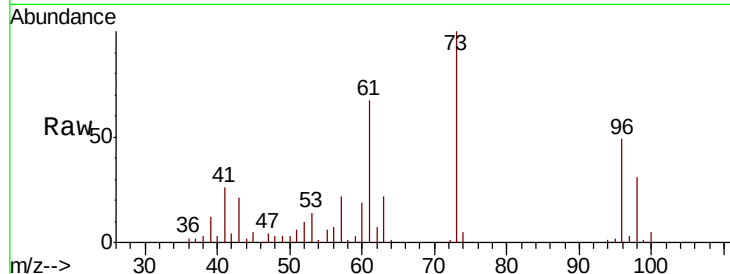
98 64.5 51.6 77.4

Manual Integrations

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MMDadoda

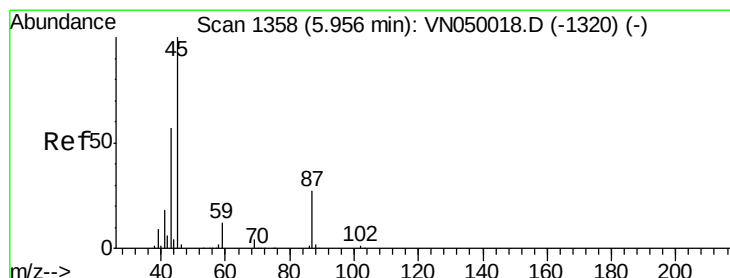
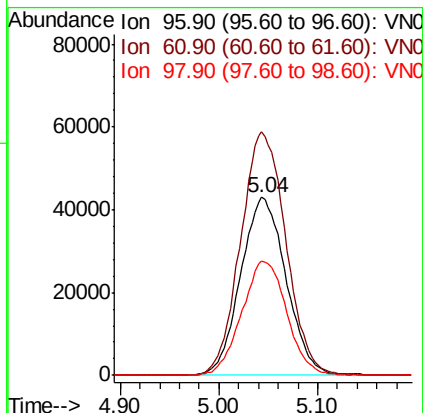
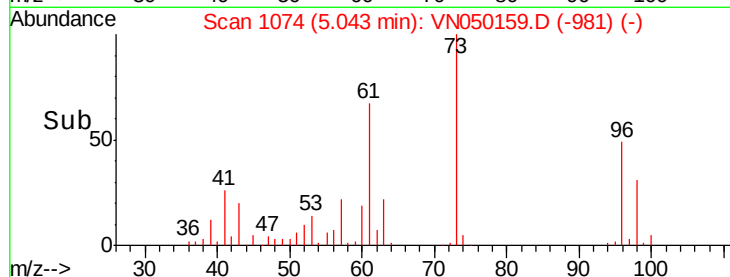
7/30/2018 1:37:20 PM



Abundance Ion 95.90 (95.60 to 96.60): VN050018.D (-1047) (-)

Ion 60.90 (60.60 to 61.60): VN050018.D (-1047) (-)

Ion 97.90 (97.60 to 98.60): VN050018.D (-1047) (-)



#22

Diisopropyl ether

Concen: 20.924 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Tgt Ion: 45 Resp: 440008

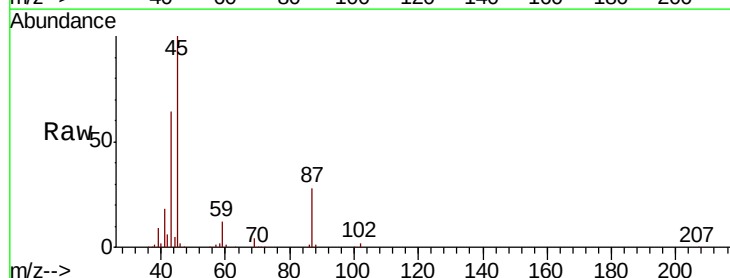
Ion Ratio Lower Upper

45 100

43 63.1 45.7 68.5

87 28.1 22.7 34.1

59 11.6 9.5 14.3

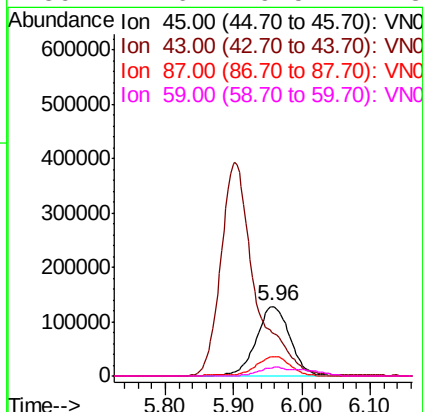
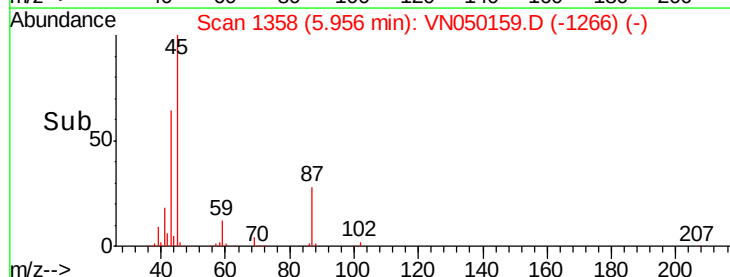


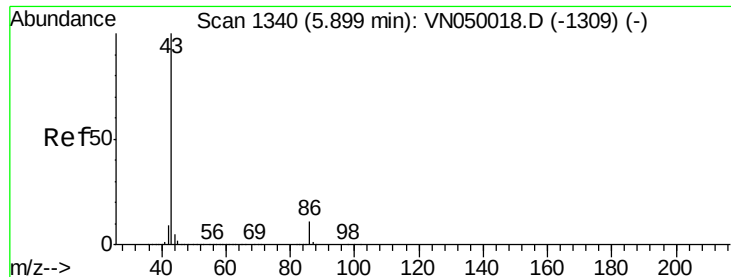
Abundance Ion 45.00 (44.70 to 45.70): VN050018.D (-1320) (-)

Ion 43.00 (42.70 to 43.70): VN050018.D (-1320) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-1320) (-)

Ion 59.00 (58.70 to 59.70): VN050018.D (-1320) (-)





#23

Vinyl Acetate

Concen: 92.185 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampled :

VN0727WBS03

Tot Ion: 43 Resp: 1369938

Ion Ratio Lower Upper

43 100

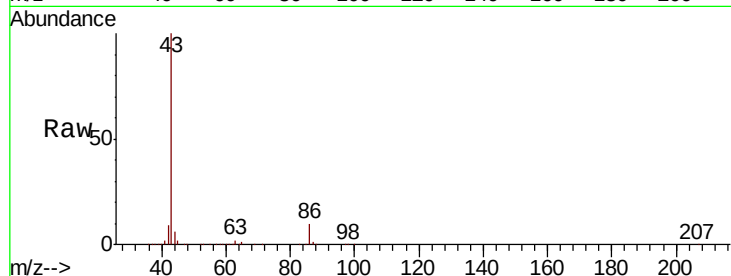
86 10.3 8.6 13.0

Manual Integrations

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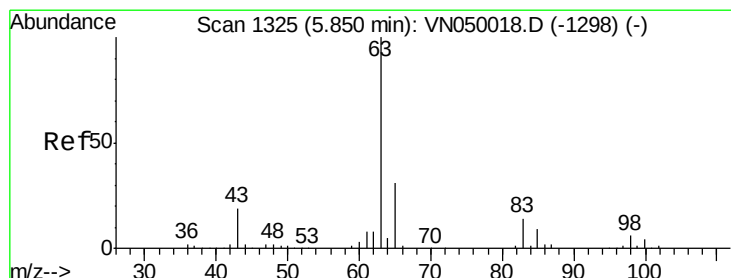
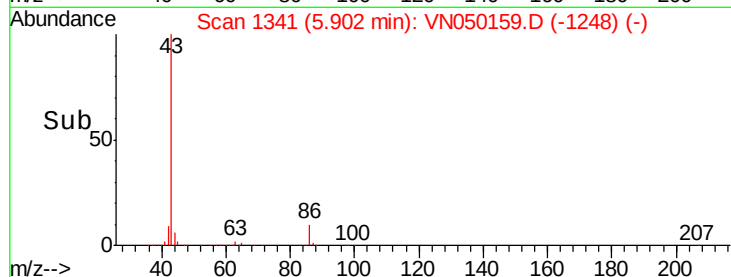
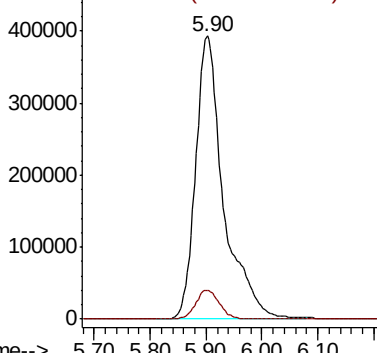
MMDadoda

7/30/2018 1:37:20 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.581 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

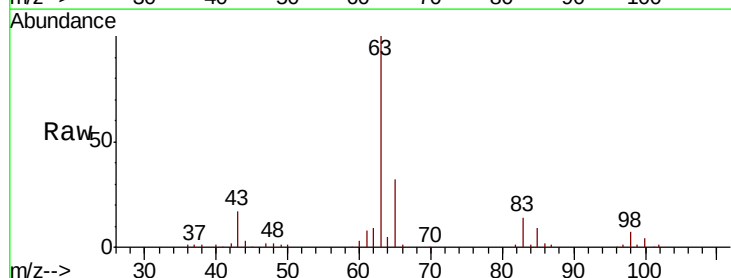
Tgt Ion: 63 Resp: 269263

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

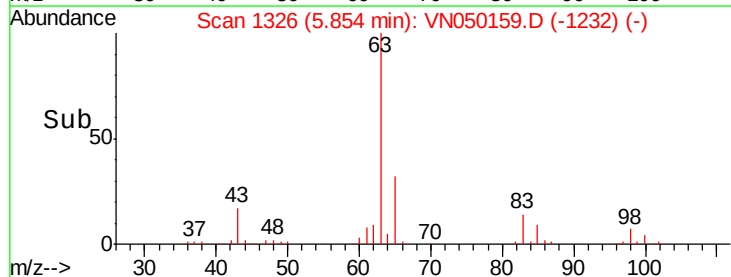
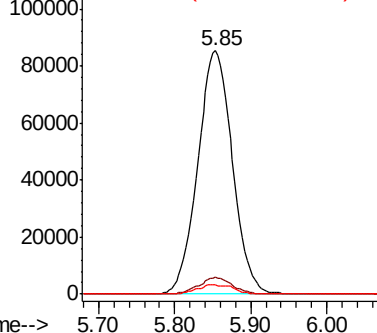
100 3.7 2.1 6.3

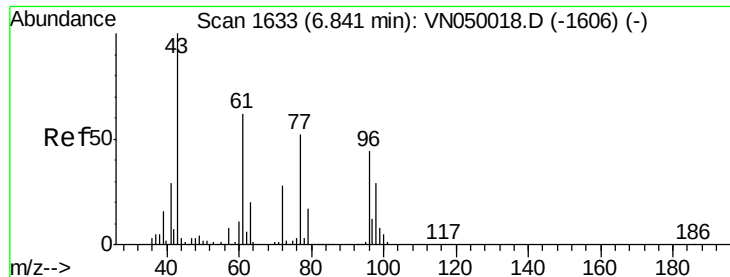


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





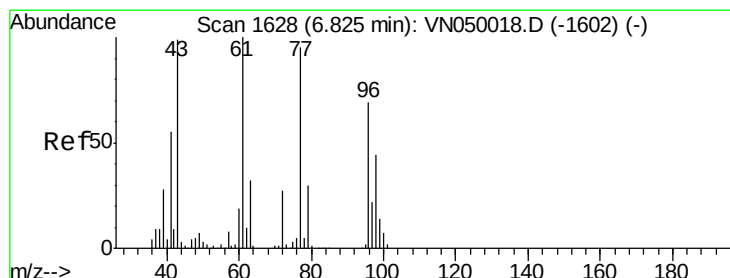
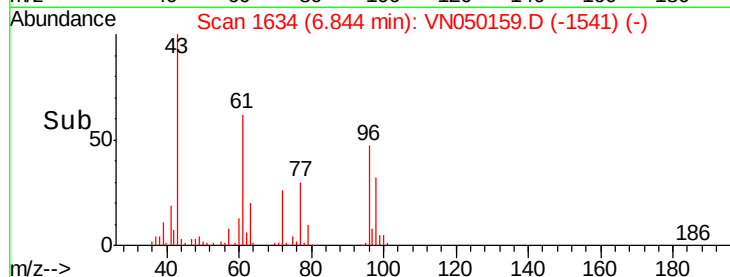
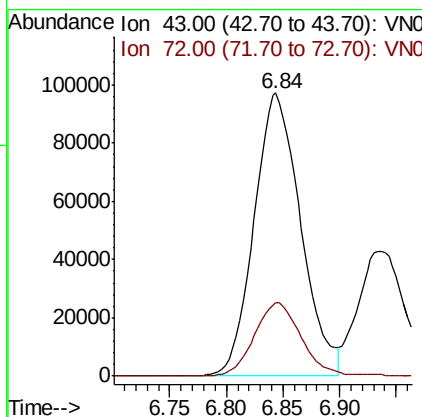
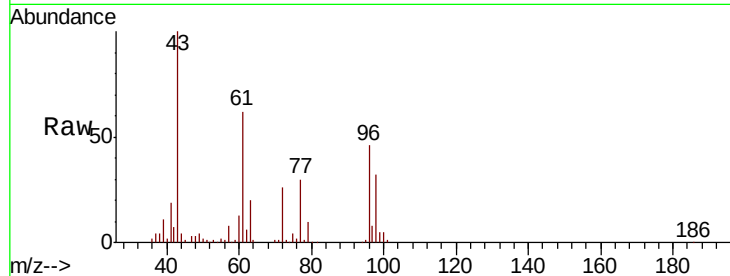
#25
2-Butanone
Concen: 87.483 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion: 43 Resp: 276282
Ion Ratio Lower Upper
43 100
72 26.2 21.5 32.3

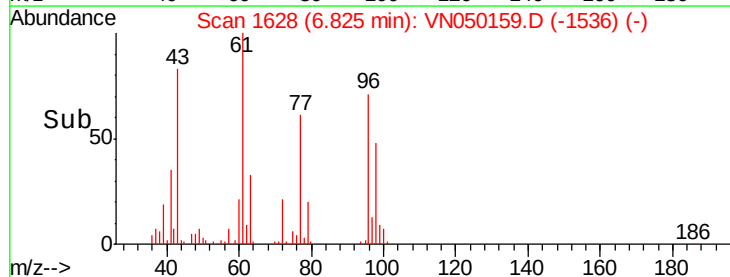
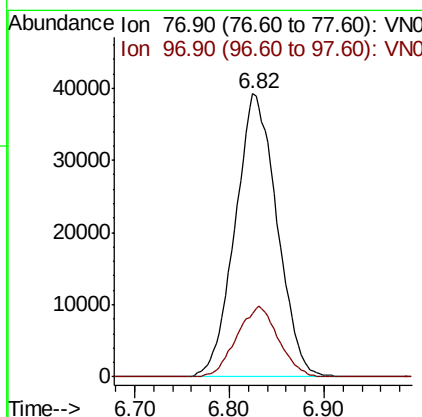
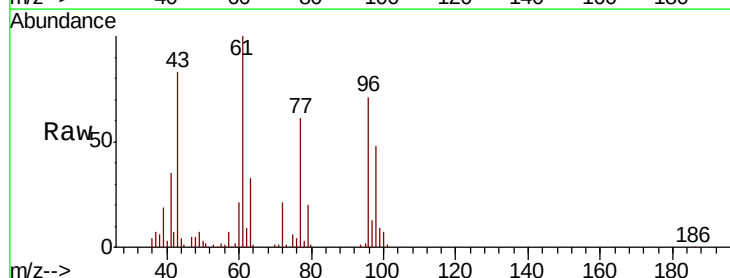
Manual Integrations
APPROVED

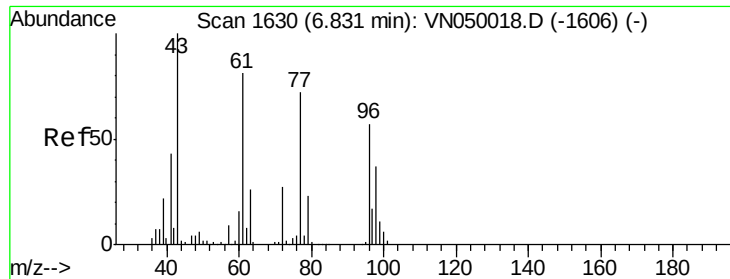
MMDadoda
7/30/2018 1:37:20 PM



#26
2,2-Dichloropropane
Concen: 11.515 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion: 77 Resp: 120463
Ion Ratio Lower Upper
77 100
97 24.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.565 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

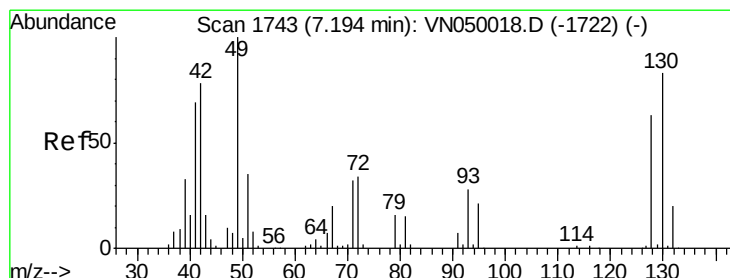
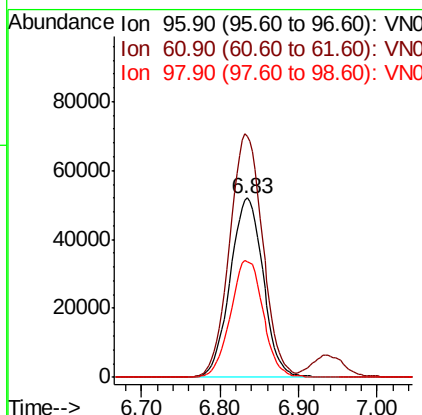
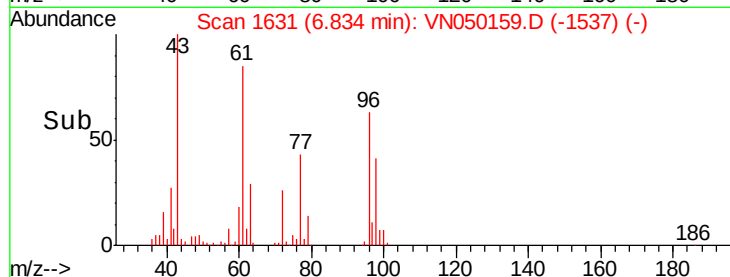
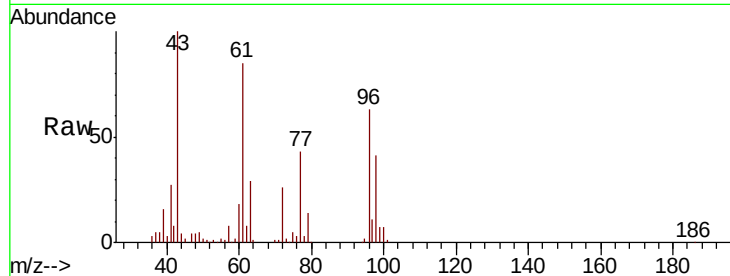
ClientSampleId :

VN0727WBS03

Tot Ion:	96	Resp:	152638
Ion Ratio	Lower	Upper	
96	100		
61	136.1	0.0	285.0
98	64.6	0.0	129.2

Manual Integrations
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7/30/2018 1:37:20 PM



#28

Bromochloromethane

Concen: 19.200 ug/l

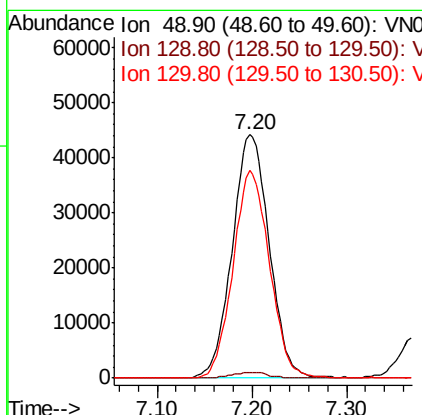
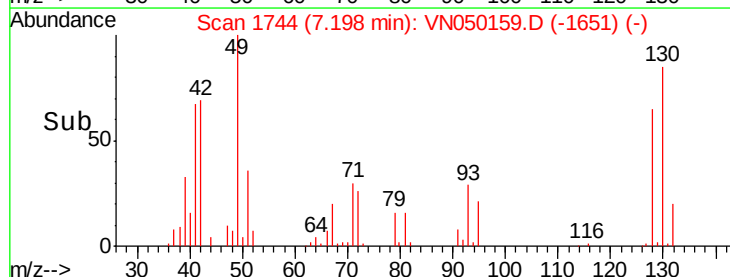
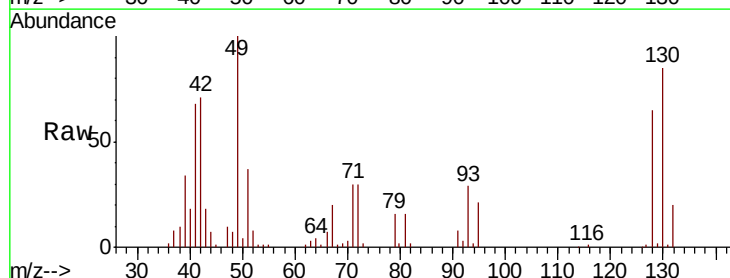
RT: 7.20 min Scan# 1744

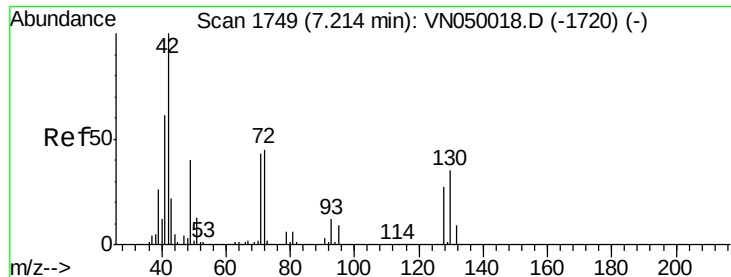
Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Tgt Ion:	49	Resp:	120423
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.0
130	83.6	66.3	99.5





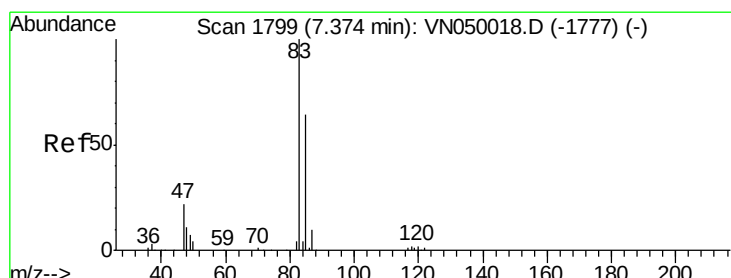
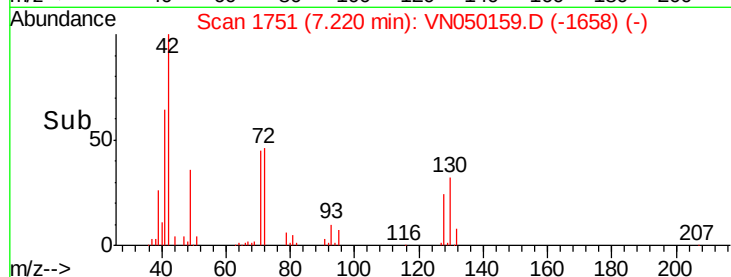
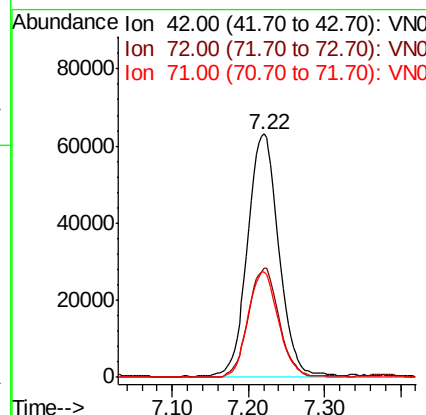
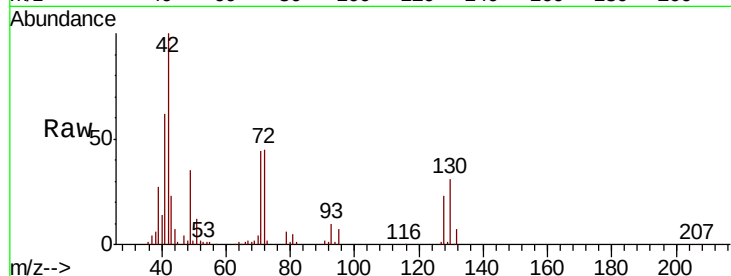
#29
Tetrahydrofuran
Concen: 88.157 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.9	53.9
71	42.7	33.7	50.5

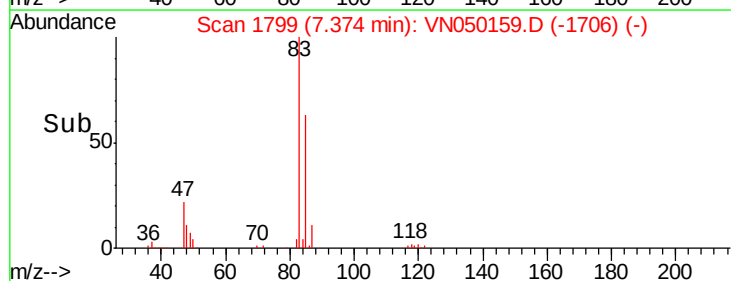
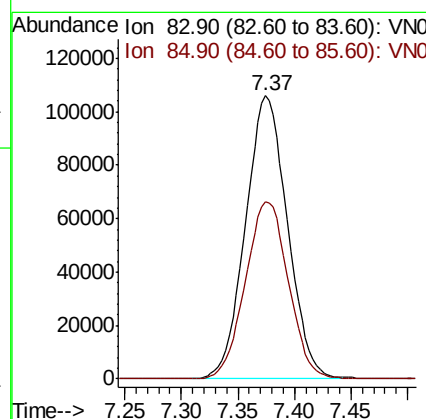
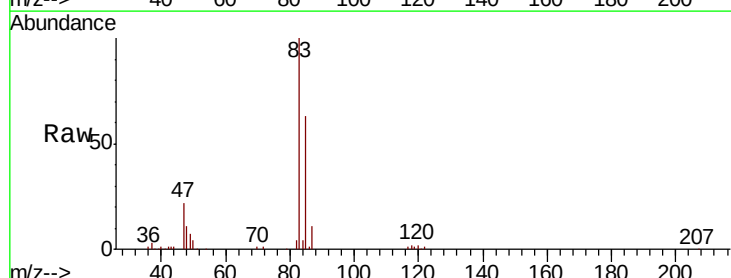
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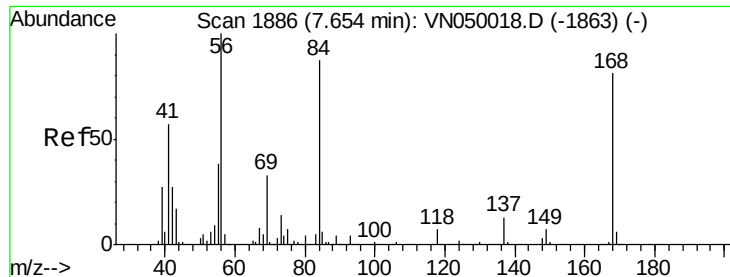
MMDadoda
7/30/2018 1:37:20 PM



#30
Chloroform
Concen: 19.472 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.5	78.7





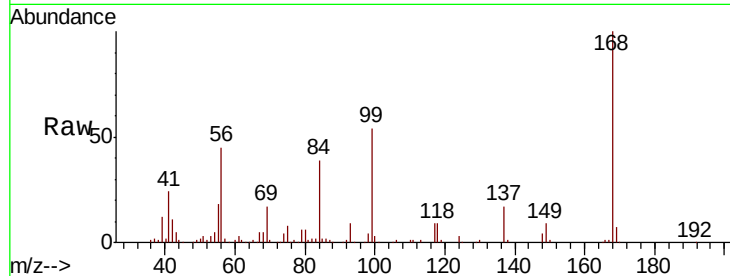
#31
Cyclohexane
Concen: 18.958 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampled :
VN0727WBS03

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	26.2	39.4
84	84.3	67.4	101.0

Manual Integrations
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7/30/2018 1:37:20 PM

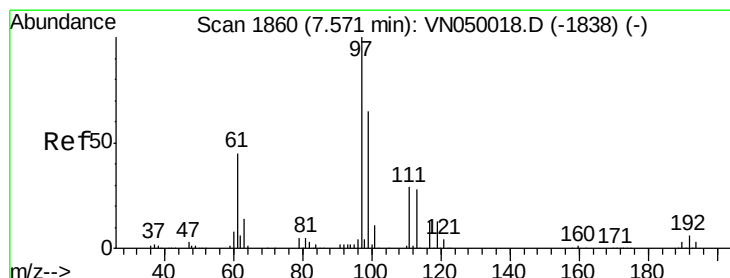
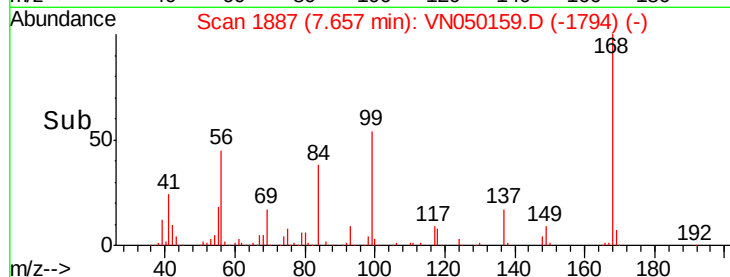
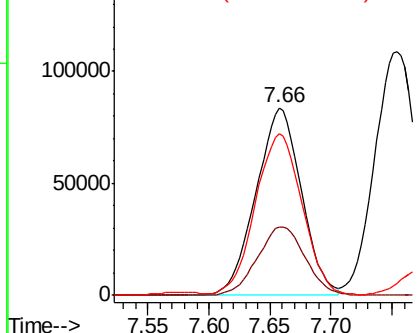


Abundance

Ion 56.00 (55.70 to 56.70): VNC

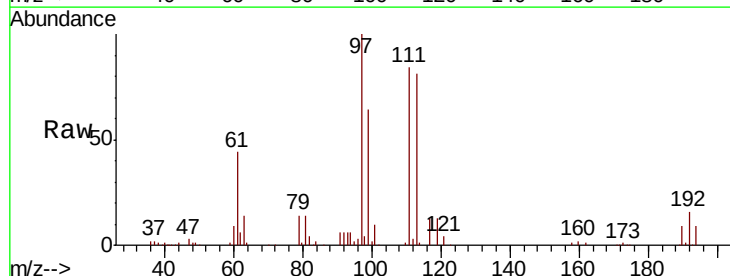
Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32
1,1,1-Trichloroethane
Concen: 19.236 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.0
61	44.9	35.4	53.0

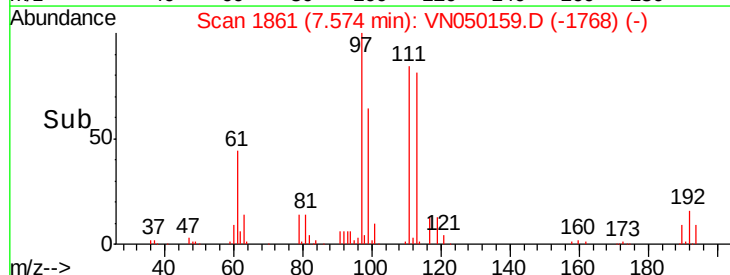
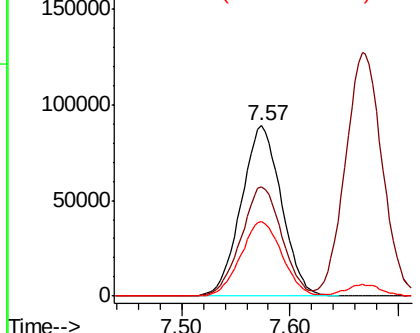


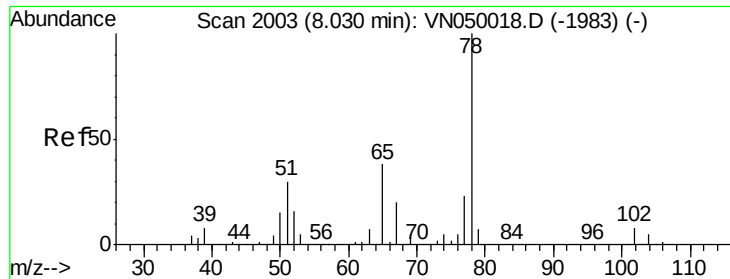
Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





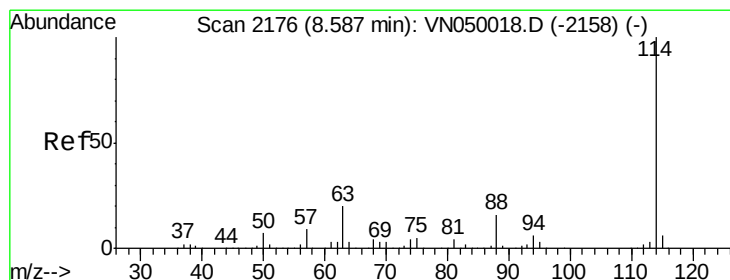
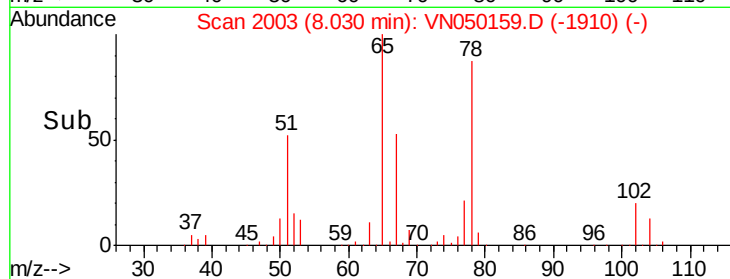
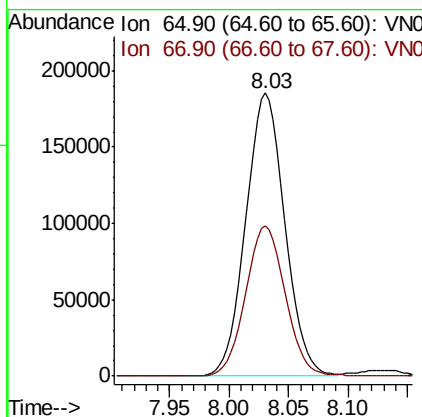
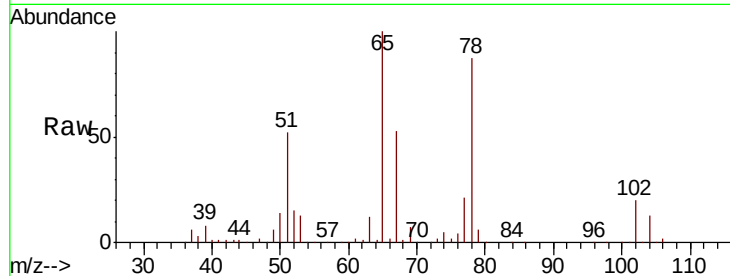
#33
 1,2-Dichloroethane-d4
 Concen: 50.997 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

Tot Ion: 65 Resp: 422237
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.4

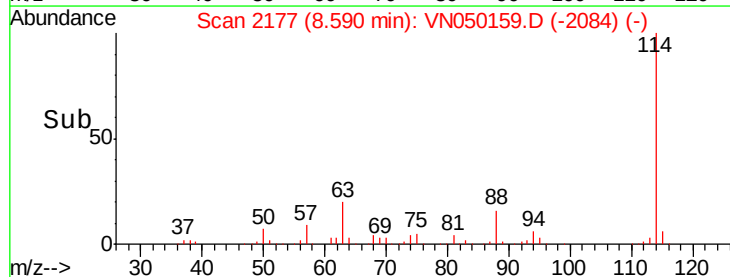
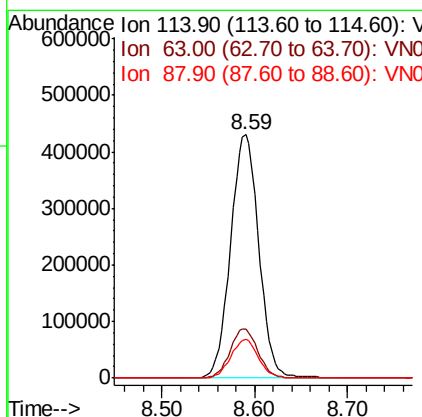
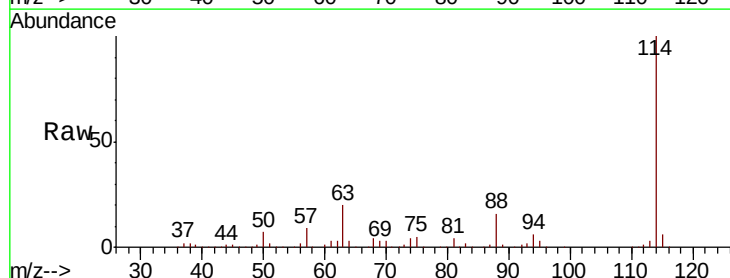
Manual Integrations
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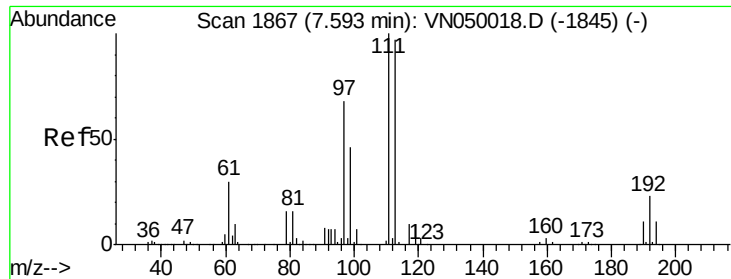
MMDadoda
 7/30/2018 1:37:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion: 114 Resp: 909306
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.8 0.0 31.2





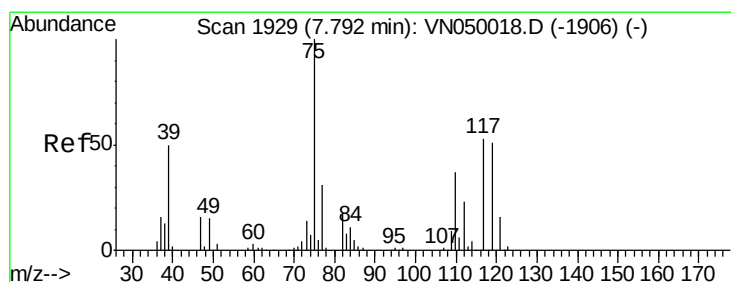
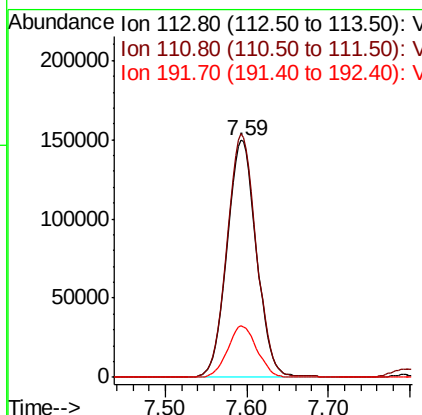
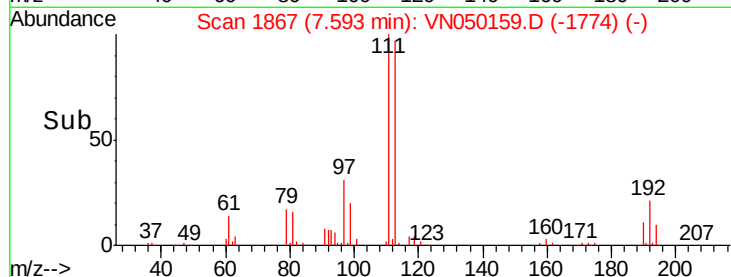
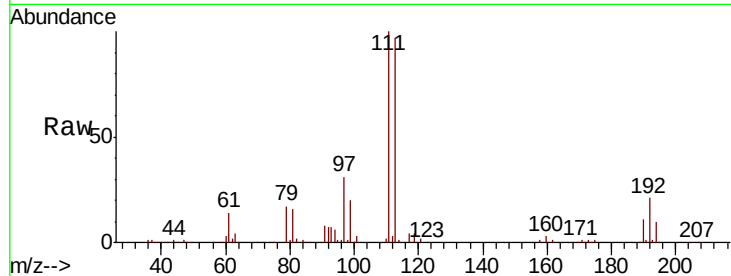
#35
 Dibromofluoromethane
 Concen: 50.861 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	377607		
111	101.9	80.7	121.1	
192	21.5	17.8	26.6	

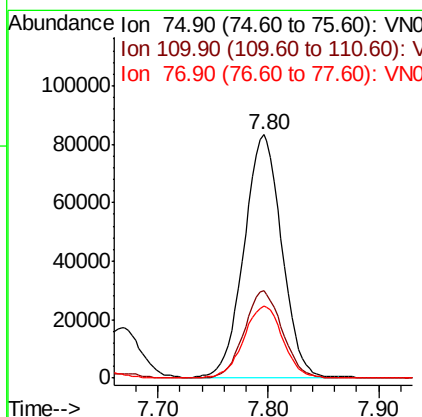
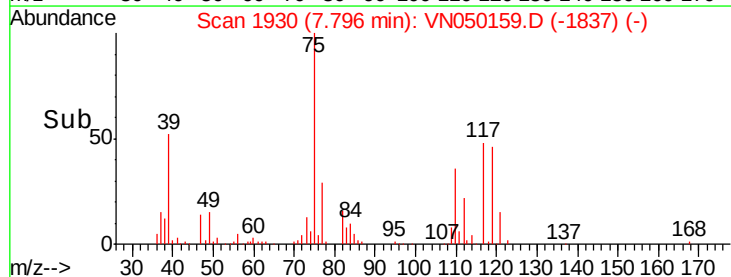
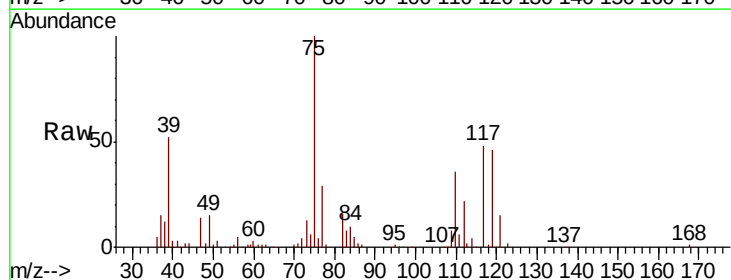
Manual Integrations
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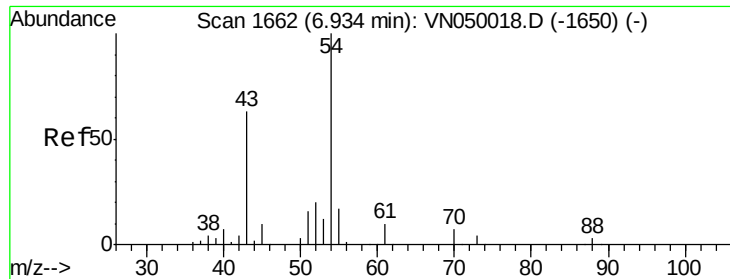
MMDadoda
 7/30/2018 1:37:20 PM



#36
 1,1-Dichloropropene
 Concen: 19.131 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	195991		
110	36.3	18.4	55.2	
77	31.2	25.3	37.9	





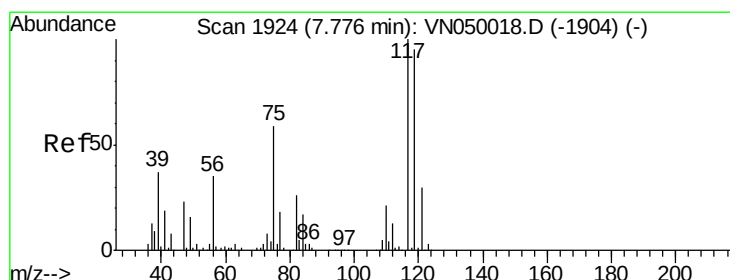
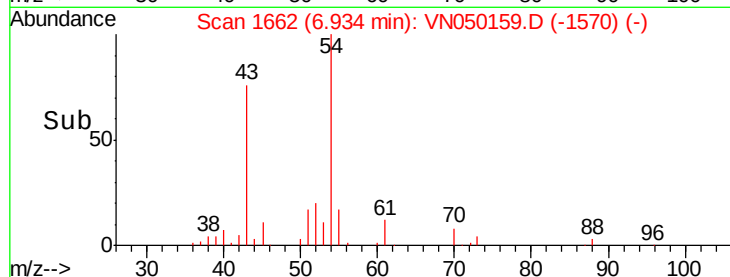
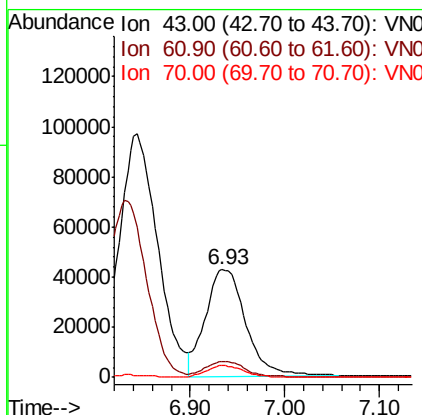
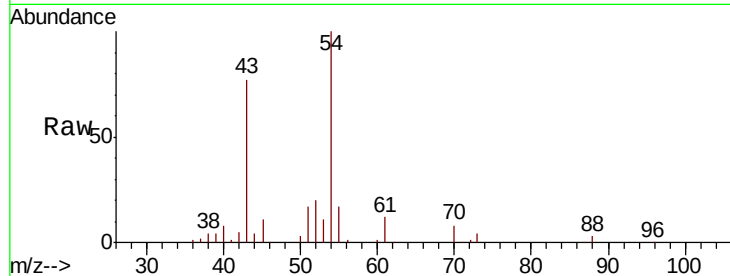
#37
Ethyl Acetate
Concen: 17.654 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampled :
VN0727WS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.8	17.8
70	10.6	8.4	12.6

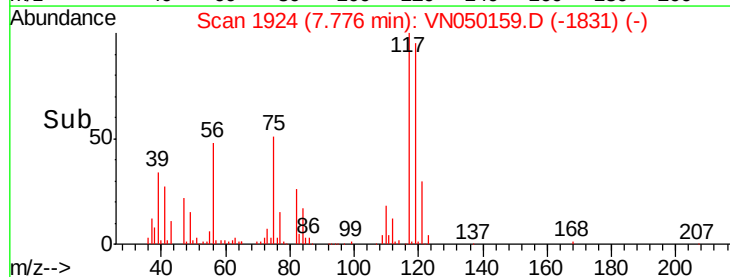
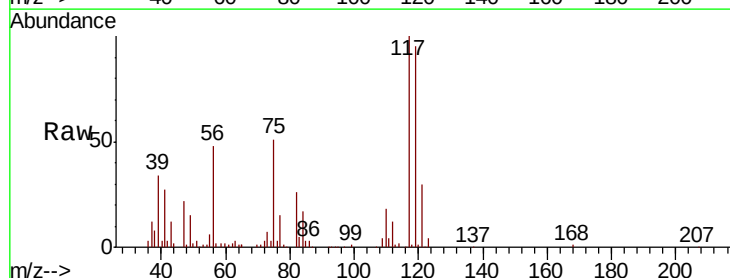
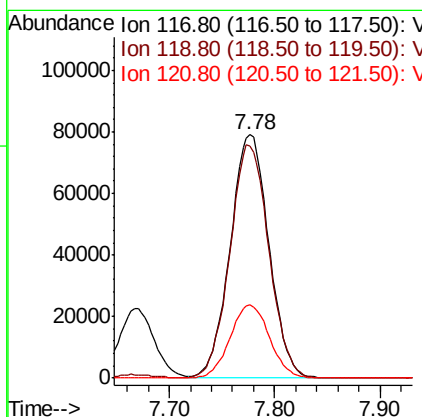
Manual Integrations
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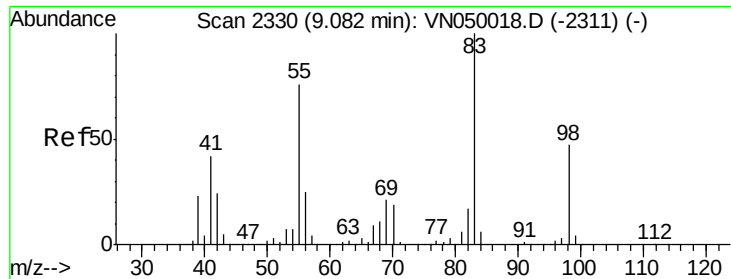
MMDadoda
7/30/2018 1:37:20 PM



#38
Carbon Tetrachloride
Concen: 18.531 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.4	116.0
121	30.0	23.9	35.9





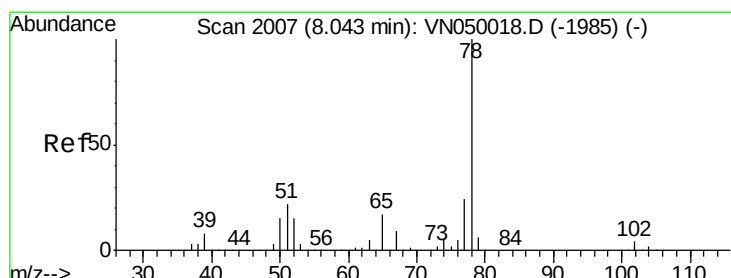
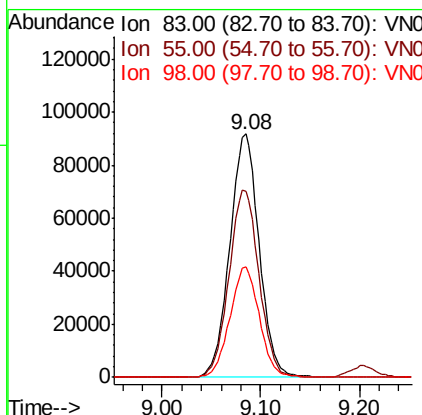
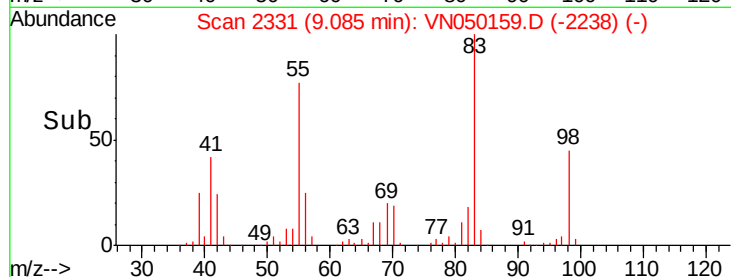
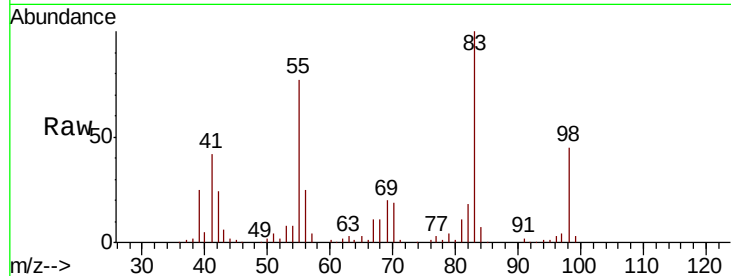
#39
Methylvlcyclohexane
Concen: 18.076 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion	83.00	Resp	190501
Ion Ratio	100	Lower	Upper
83	100		
55	76.6	61.8	92.8
98	45.1	36.5	54.7

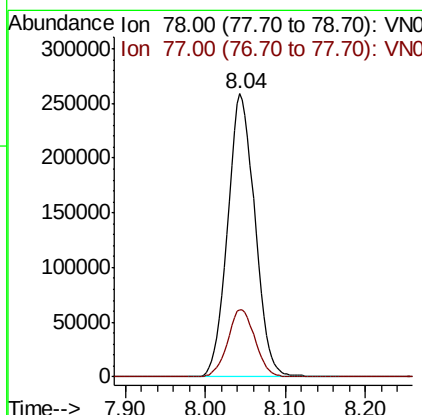
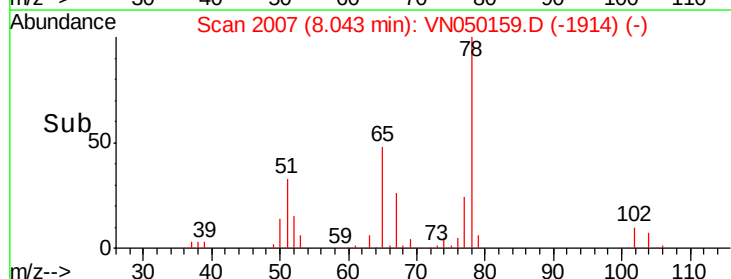
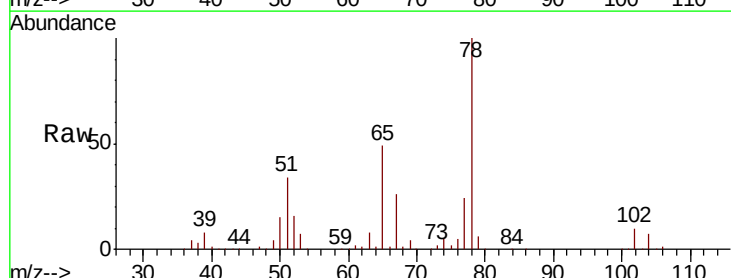
Manual Integrations
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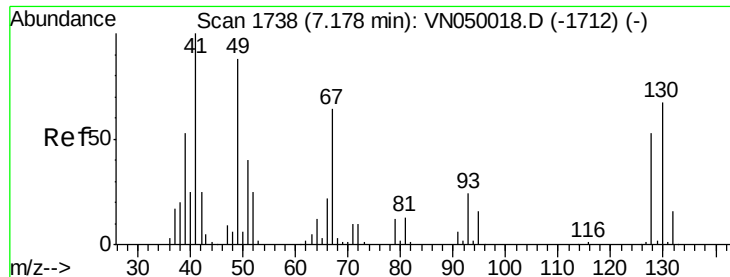
MMDadoda
7/30/2018 1:37:20 PM



#40
Benzene
Concen: 19.225 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion	78.00	Resp	599317
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	18.7	28.1





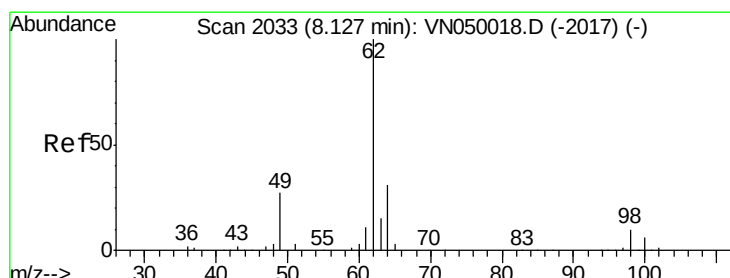
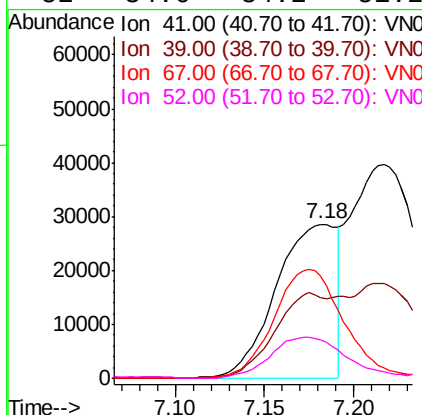
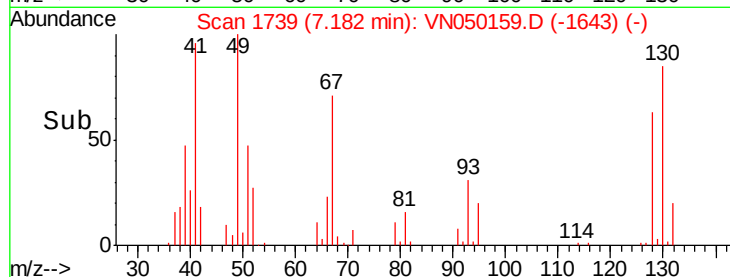
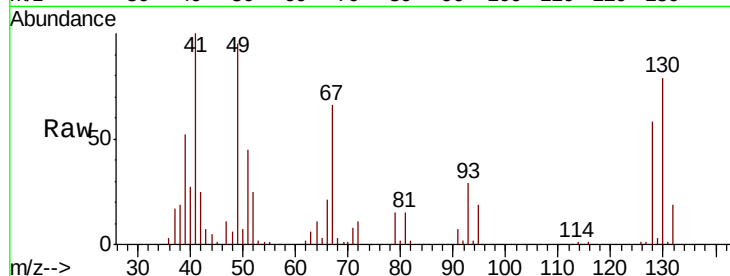
#41
Methacrylonitrile
Concen: 19.994 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.1	55.8	83.6#
67	80.9	84.3	126.5#
52	34.6	34.2	51.2

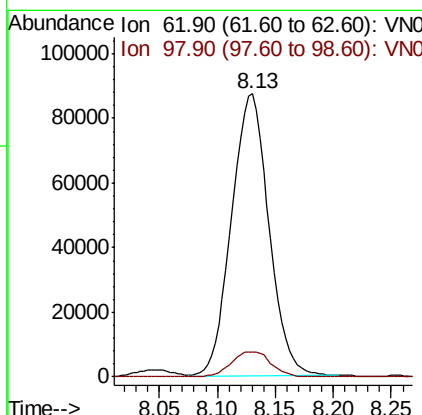
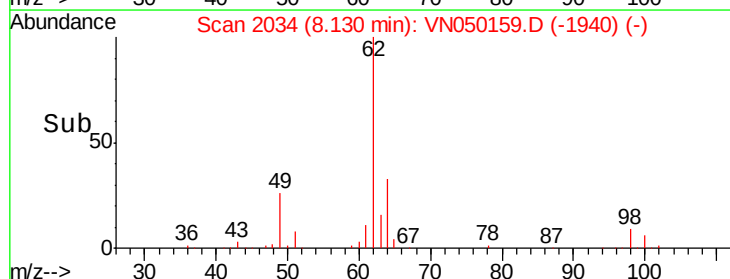
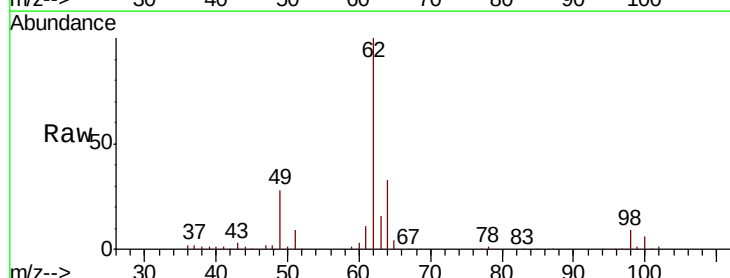
Manual Integrations
APPROVED

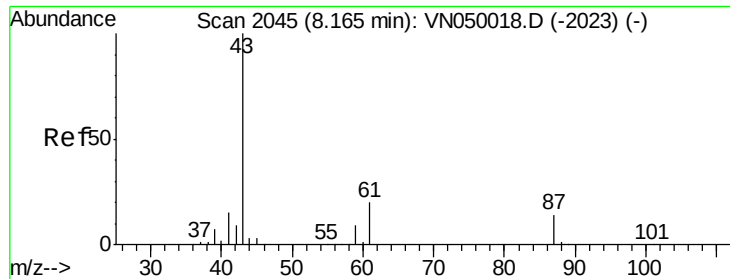
MMDadoda
7/30/2018 1:37:20 PM



#42
1,2-Dichloroethane
Concen: 18.777 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.8





#43

Isopropyl Acetate

Concen: 18.805 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

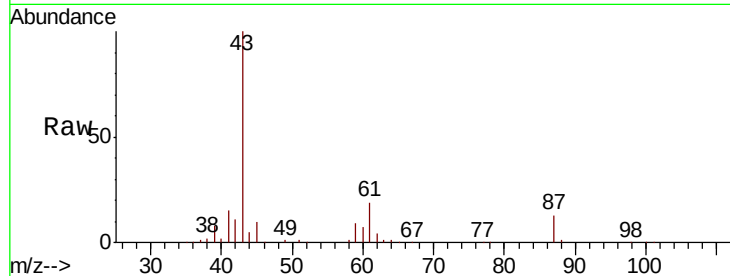
ClientSampleId :

VN0727WBS03

Tot Ion:	43	Resp:	262682
Ion	Ratio	Lower	Upper
43	100		
61	16.0	15.8	23.6
87	11.6	10.3	15.5

Manual Integrations
APPROVED

MMDadoda
7/30/2018 1:37:20 PM

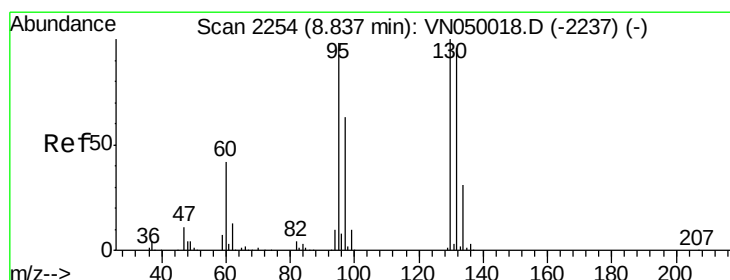
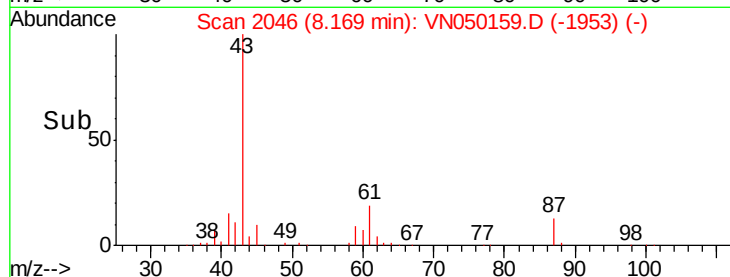
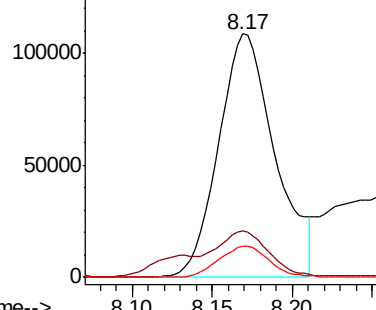


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 18.525 ug/l

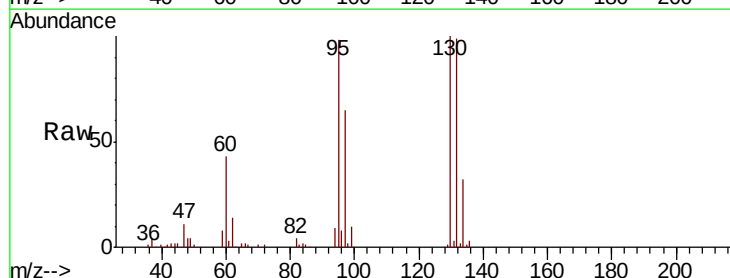
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

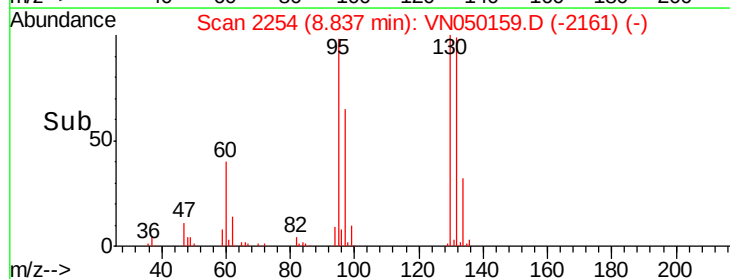
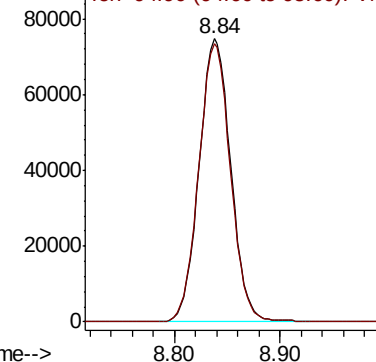
Tgt Ion:	130	Resp:	155181
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	194.6

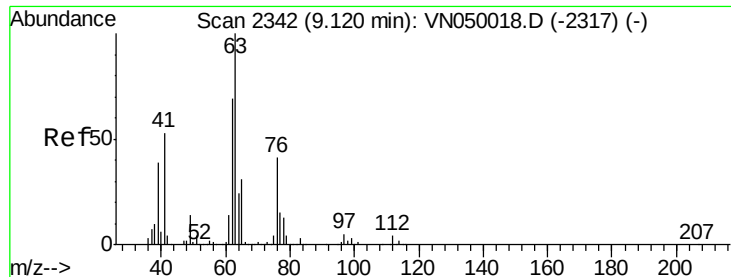


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 19.559 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

Tot Ion: 63 Resp: 161495

Ion Ratio Lower Upper

63 100

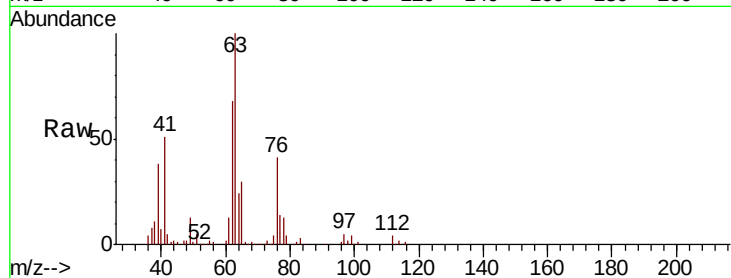
65 29.9 25.5 38.3

Manual Integrations

APPROVED

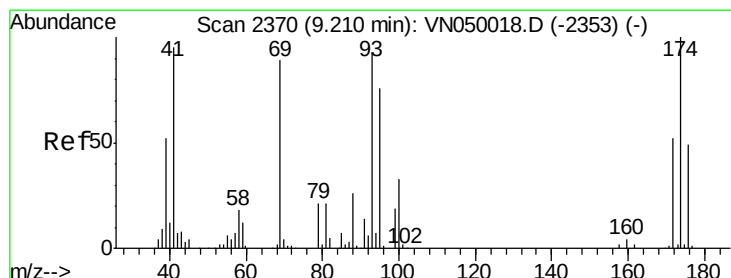
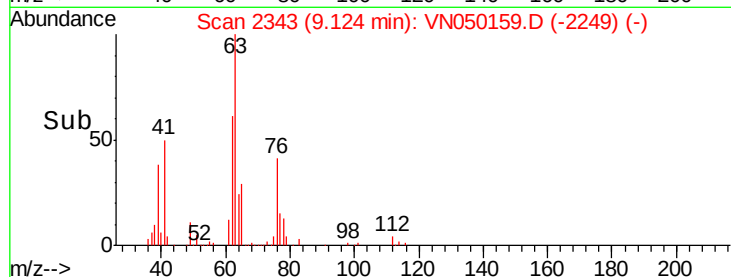
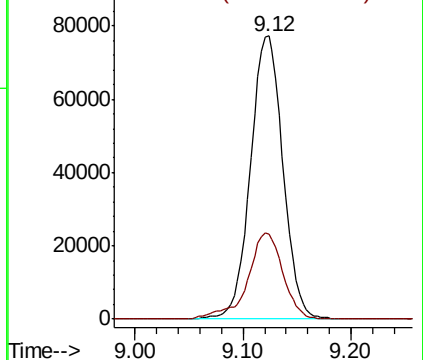
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.770 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

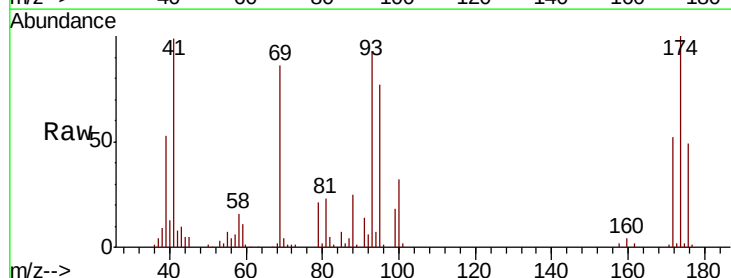
Tgt Ion: 93 Resp: 96235

Ion Ratio Lower Upper

93 100

95 83.5 66.6 100.0

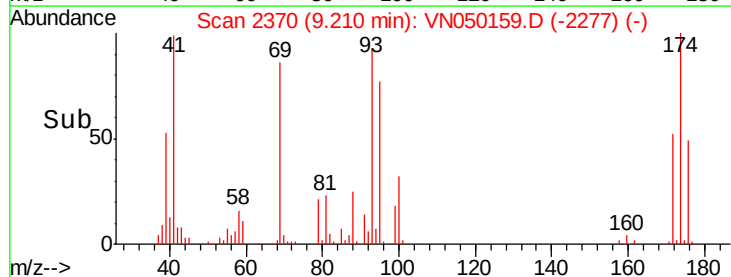
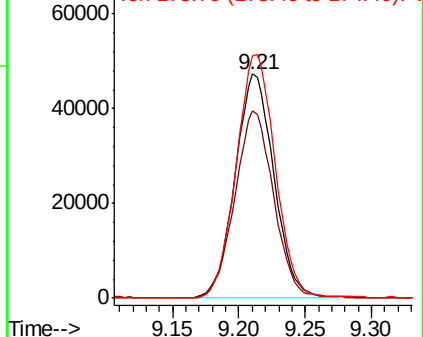
174 109.8 87.1 130.7

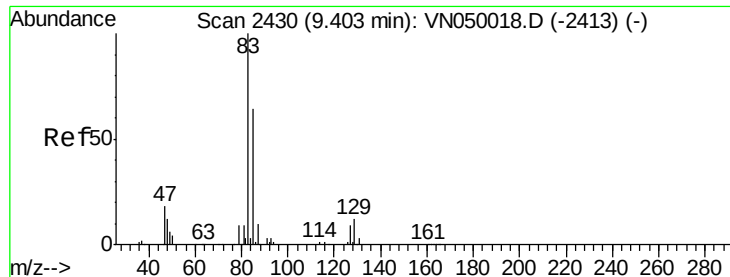


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.034 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

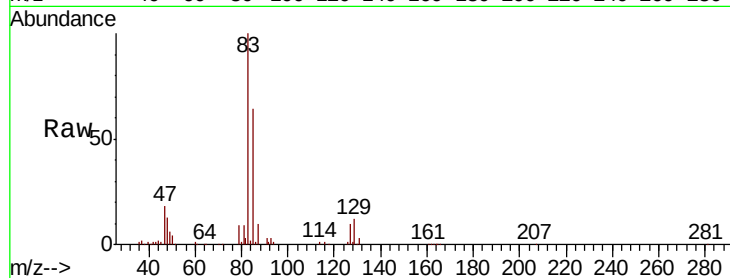
ClientSampleId :

VN0727WBS03

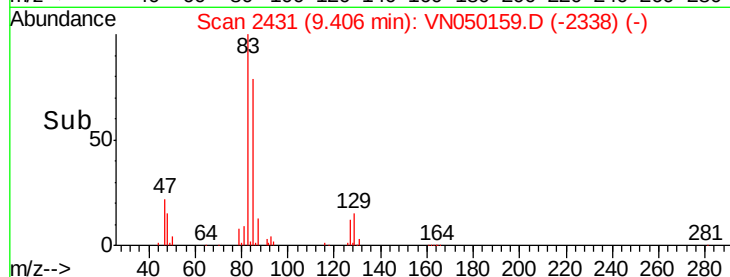
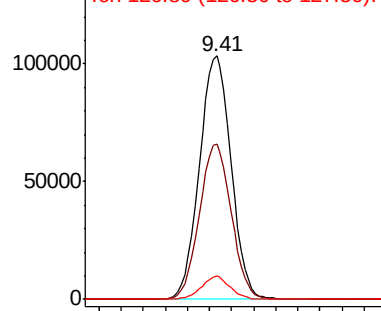
Tot Ion:	83	Resp:	205964
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.1	76.7
127	9.5	7.0	10.4

Manual Integrations
APPROVED

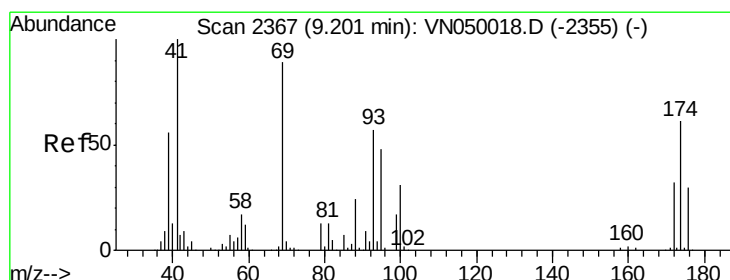
MMDadoda
7/30/2018 1:37:20 PM



Abundance Ion 82.90 (82.60 to 83.60): VN050018.D (-2413) (-)



Time-->



#48

Methyl methacrylate

Concen: 18.114 ug/l

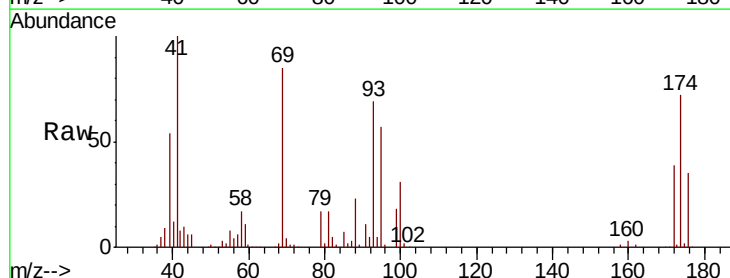
RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

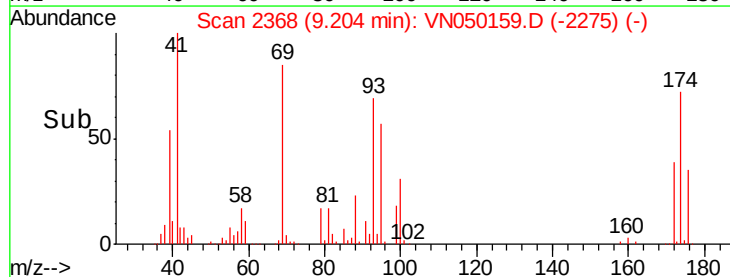
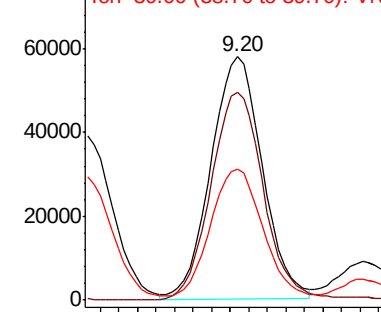
Lab File: VN050159.D

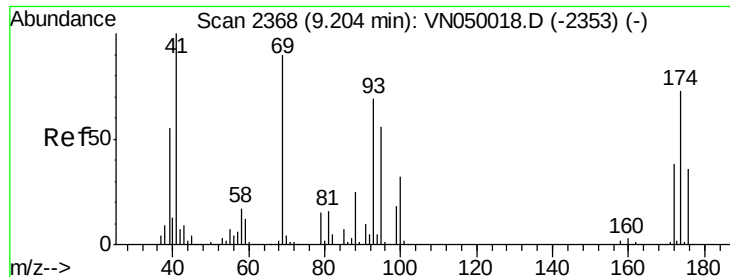
Acq: 28 Jul 2018 4:14

Tgt Ion:	41	Resp:	111424
Ion	Ratio	Lower	Upper
41	100		
69	88.3	70.6	105.8
39	55.5	43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VN050018.D (-2355) (-)





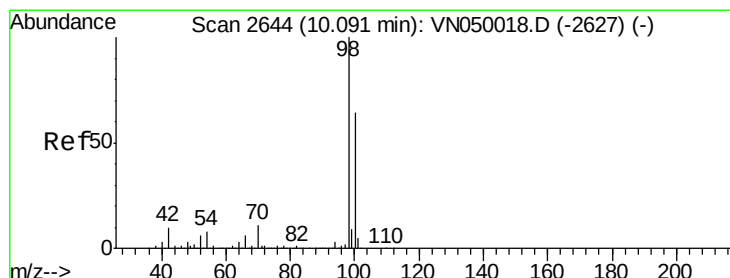
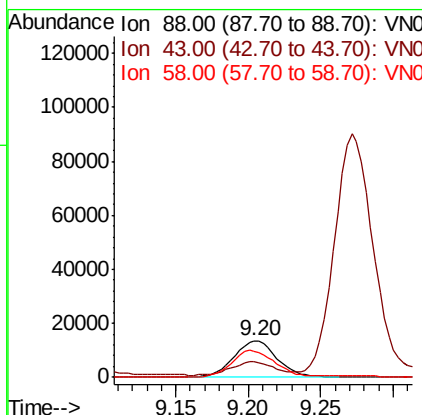
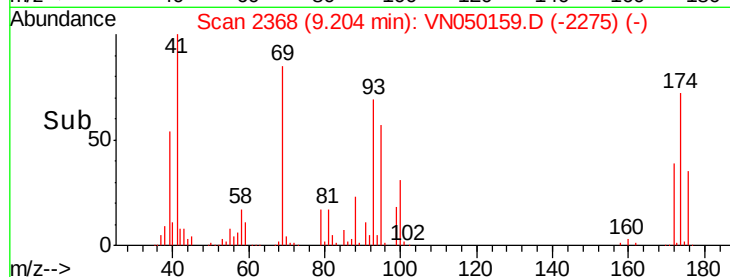
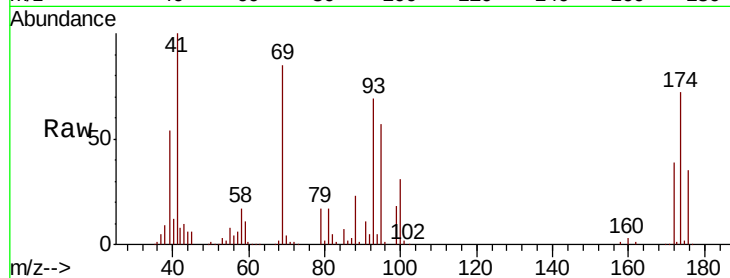
#49
1,4-Dioxane
Concen: 338.821 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	26.9	40.3
58	73.0	57.3	85.9

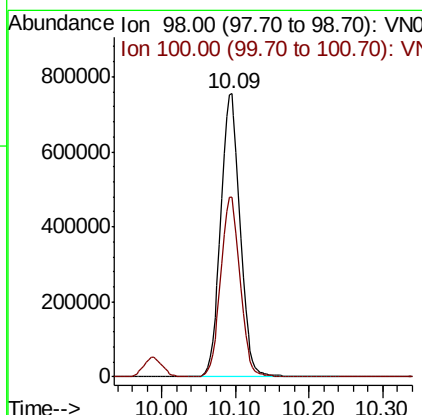
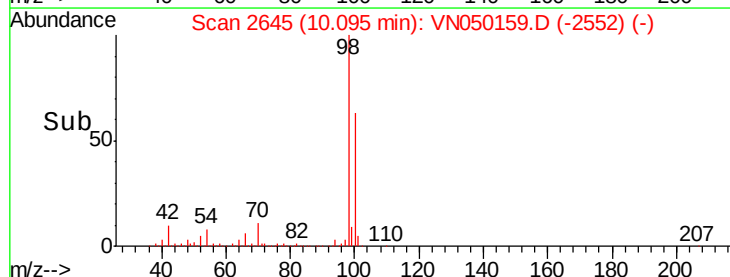
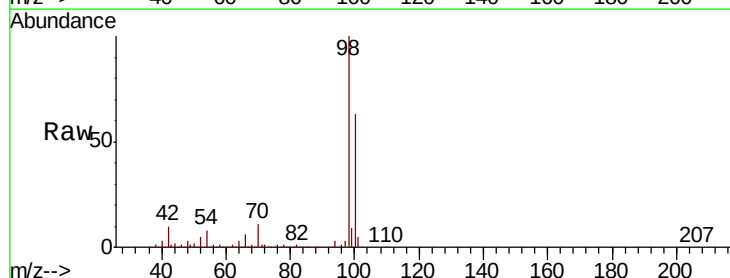
Manual Integrations
APPROVED

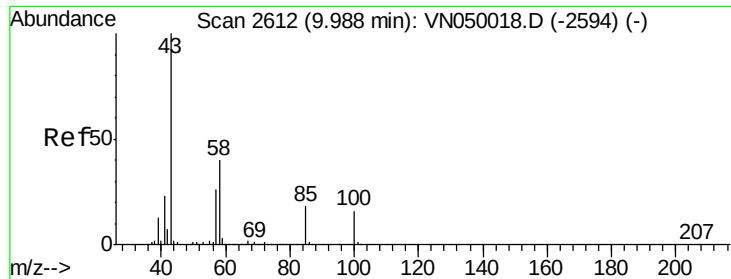
MMDadoda
7/30/2018 1:37:20 PM



#50
Toluene-d8
Concen: 50.754 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.7	76.1





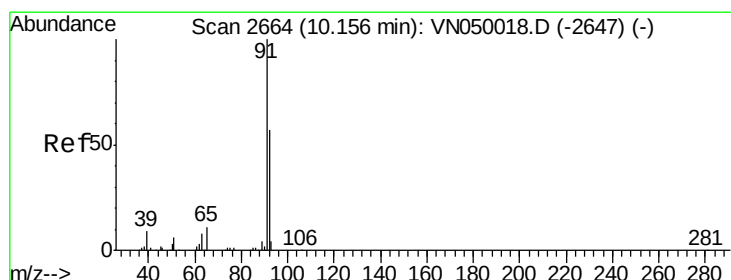
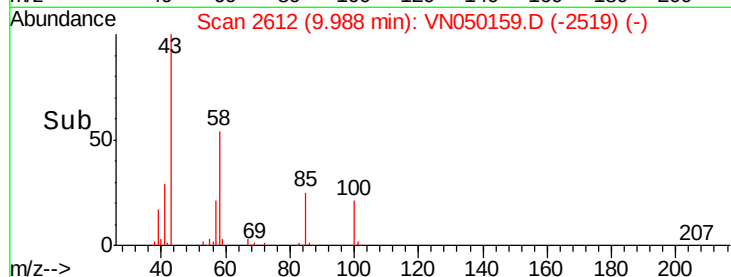
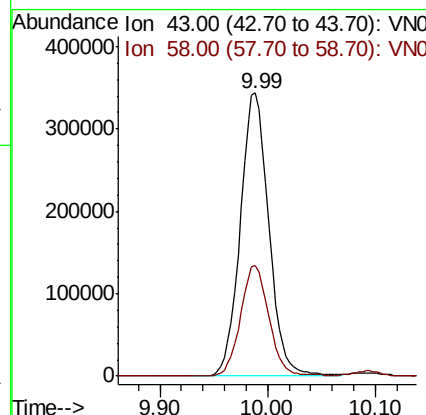
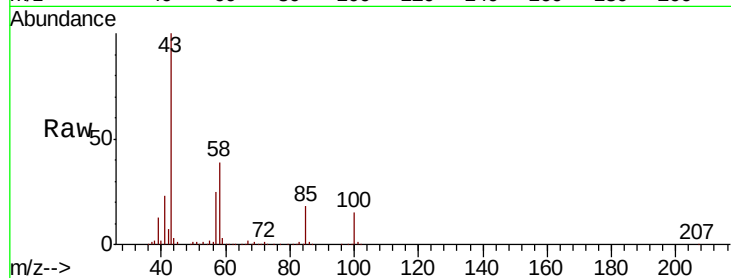
#51
4-Methyl-2-Pentanone
Concen: 89.994 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.9	47.9

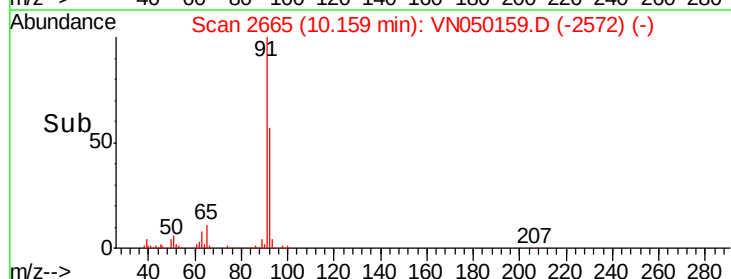
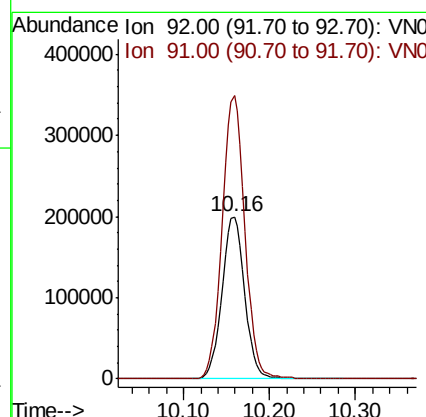
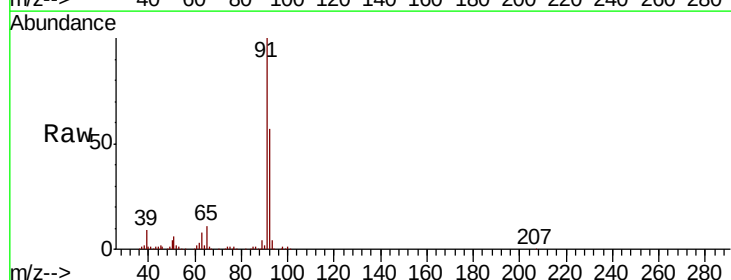
Manual Integrations
APPROVED

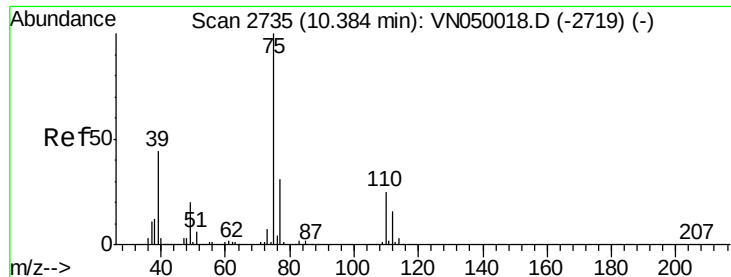
MMDadoda
7/30/2018 1:37:20 PM



#52
Toluene
Concen: 19.935 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.2	140.3	210.5





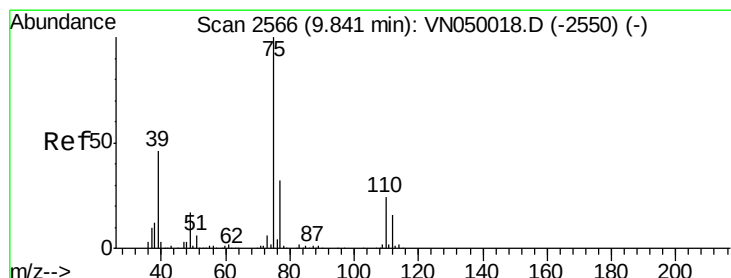
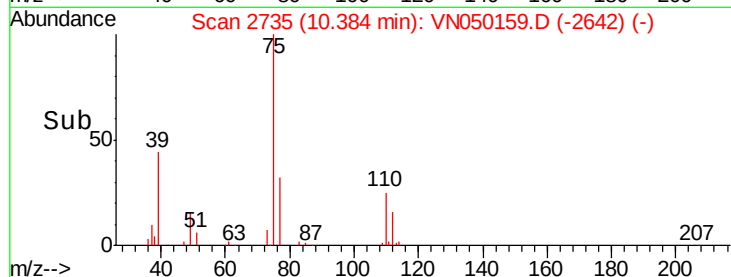
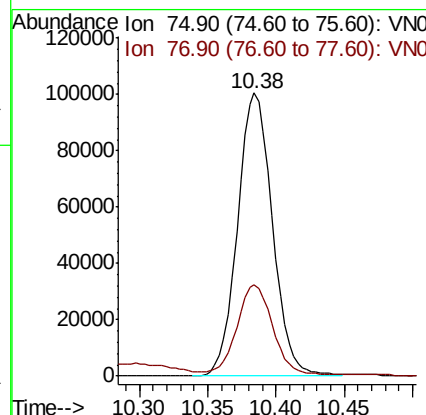
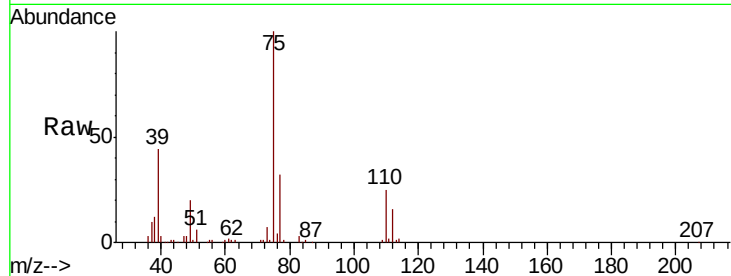
#53
t-1,3-Dichloropropene
Concen: 17.488 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampled :
VN0727WBS03

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.9	37.3

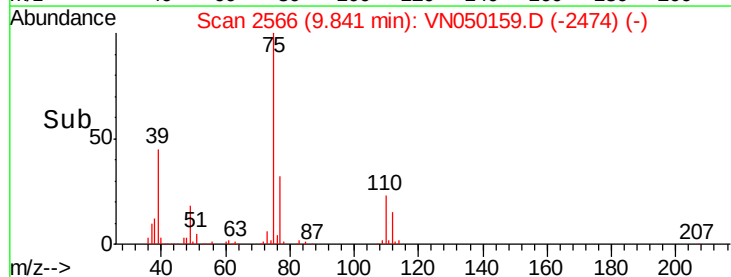
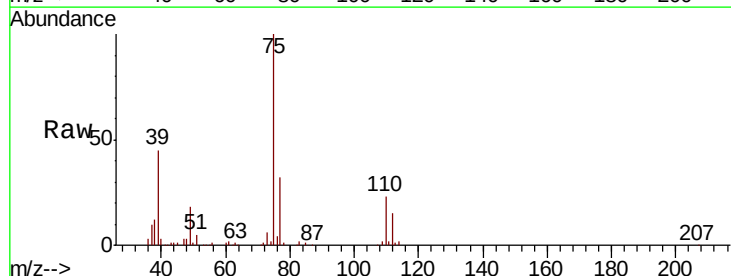
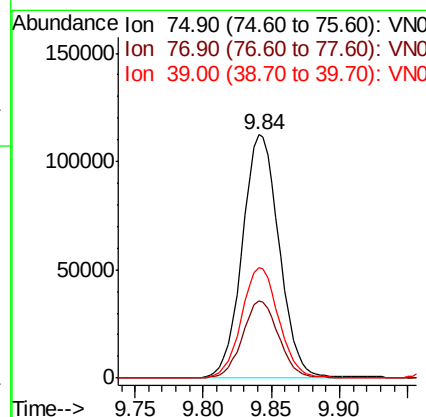
Manual Integrations
APPROVED

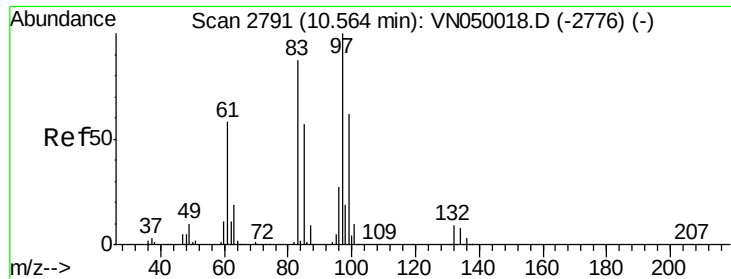
MMDadoda
7/30/2018 1:37:20 PM



#54
cis-1,3-Dichloropropene
Concen: 18.054 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3
39	45.3	36.6	55.0





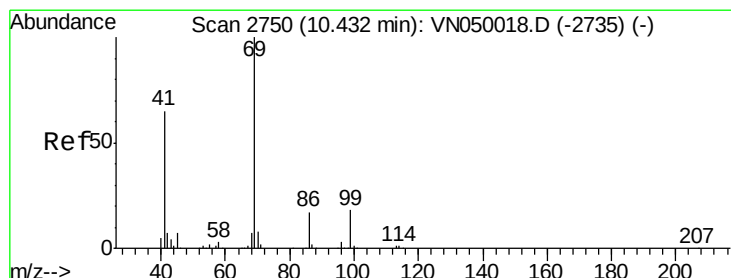
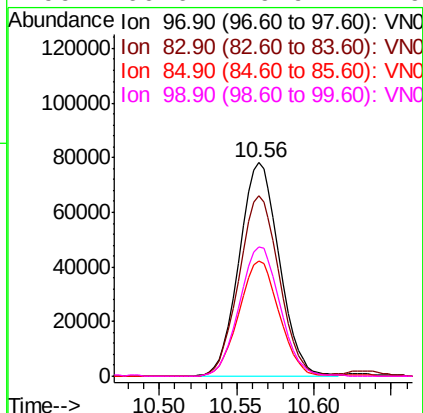
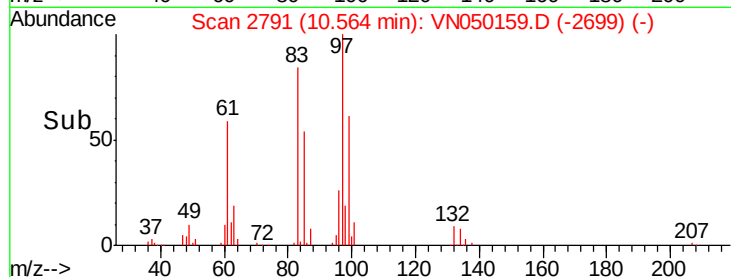
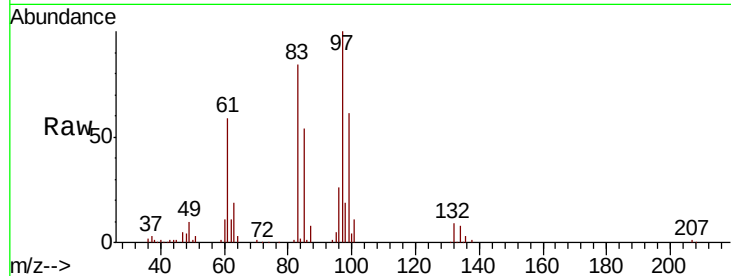
#55
 1,1,2-Trichloroethane
 Concen: 19.397 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	84.4	69.2	103.8		
85	54.2	44.0	66.0		
99	60.6	49.9	74.9		

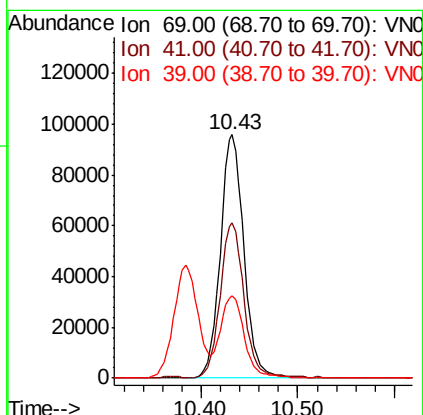
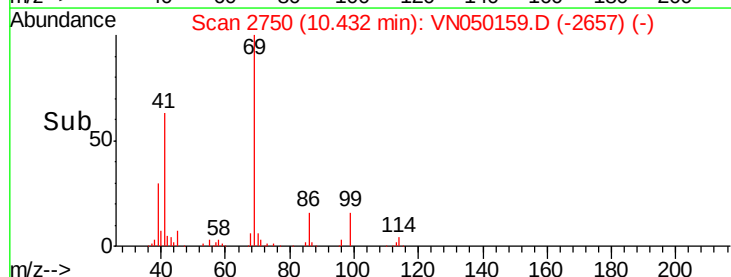
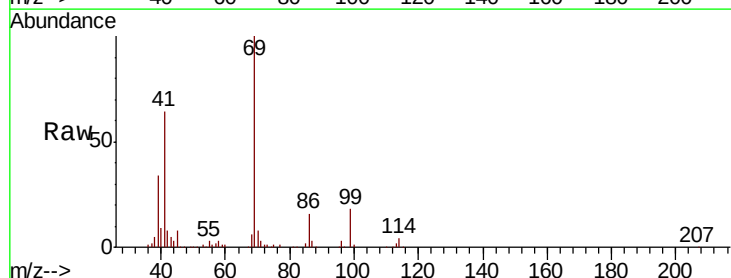
Manual Integrations
 APPROVED

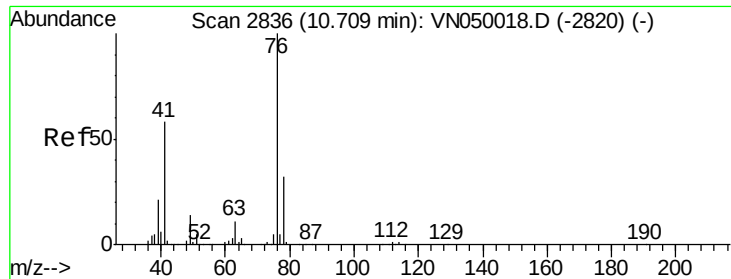
MMDadoda
 7/30/2018 1:37:20 PM



#56
 Ethyl methacrylate
 Concen: 17.722 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	63.4	51.0	76.4		
39	34.1	26.6	40.0		





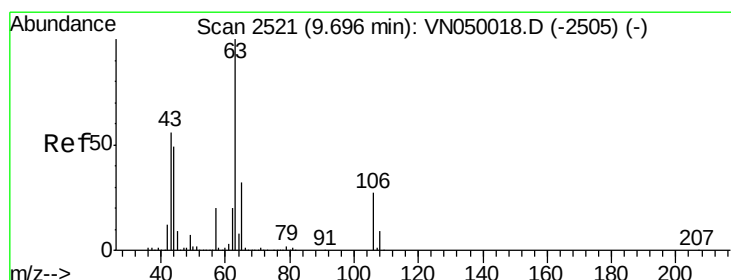
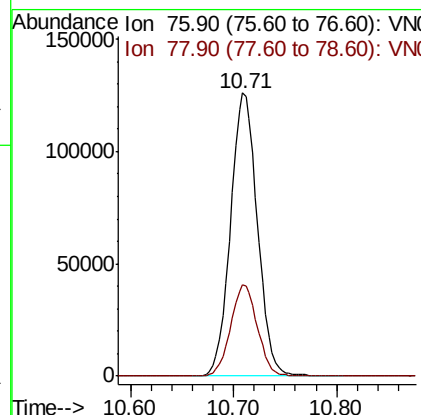
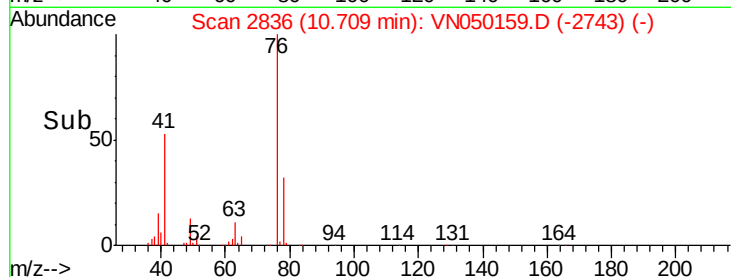
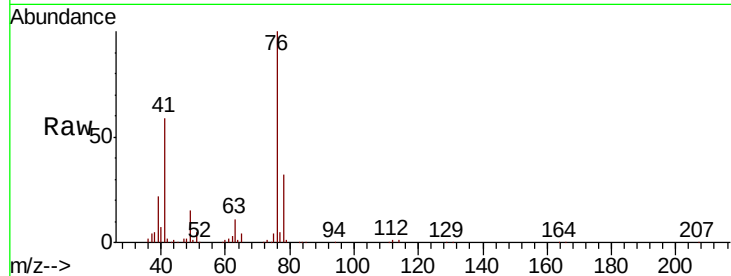
#57
 1,3-Dichloropropane
 Concen: 19.265 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0727WBS03

Tot Ion: 76 Resp: 228971
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

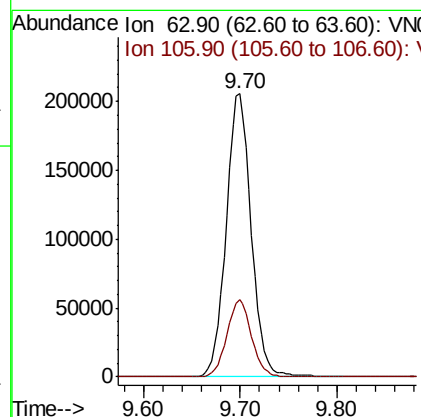
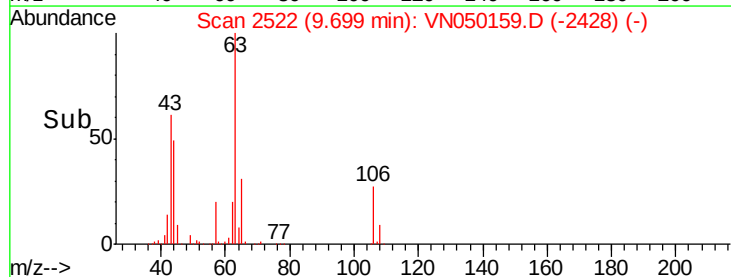
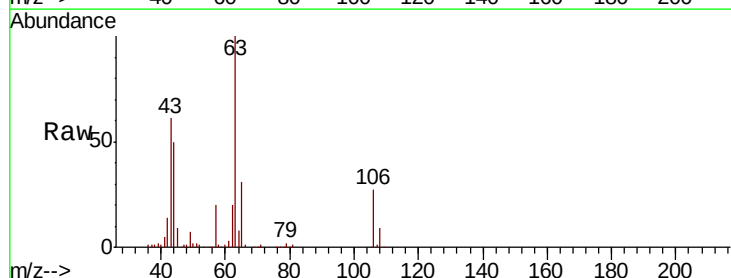
Manual Integrations
 APPROVED

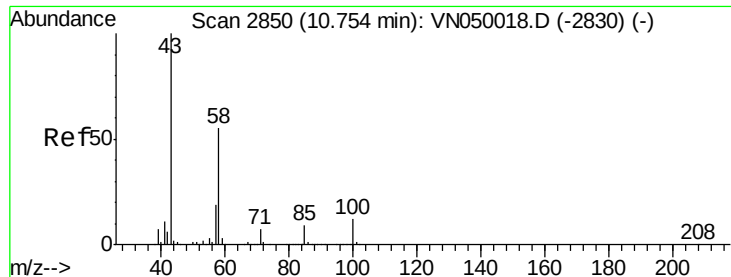
MMDadoda
 7/30/2018 1:37:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.697 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion: 63 Resp: 369064
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.7 32.5





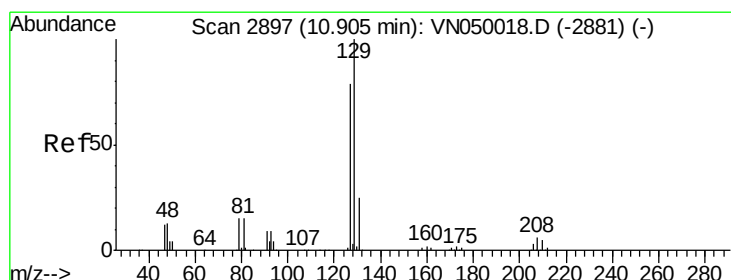
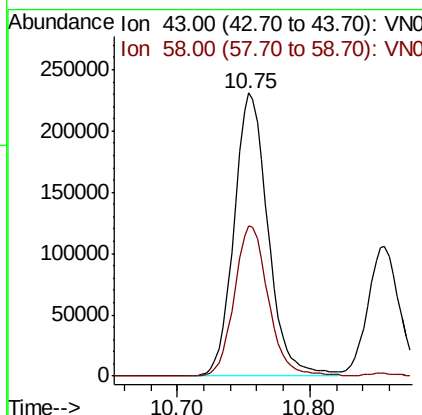
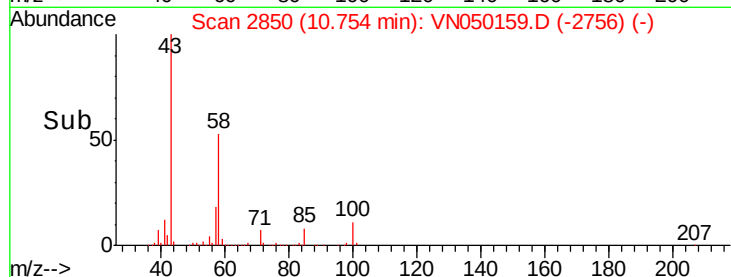
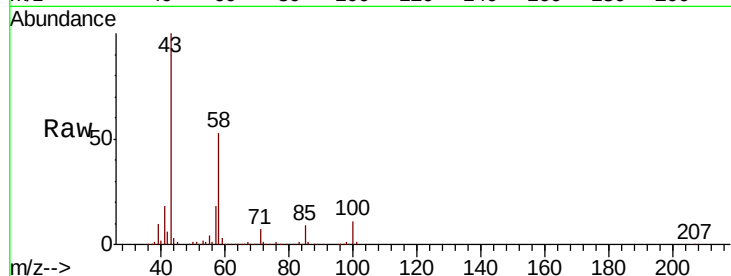
#59
2-Hexanone
Concen: 82.624 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion: 43 Resp: 408049
Ion Ratio Lower Upper
43 100
58 53.5 27.6 82.7

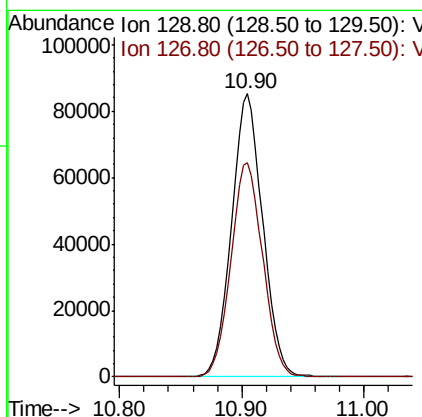
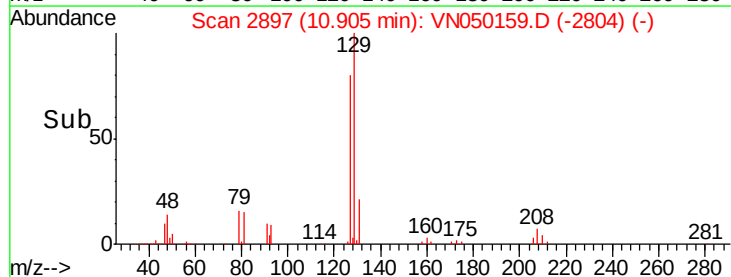
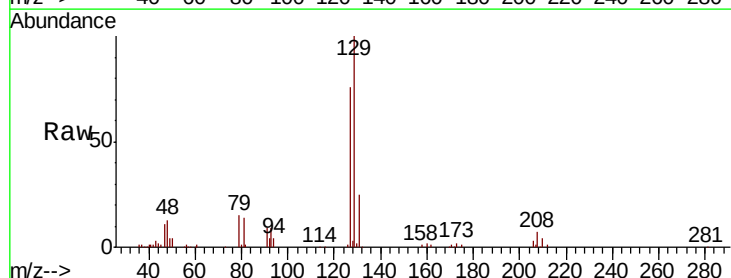
Manual Integrations
APPROVED

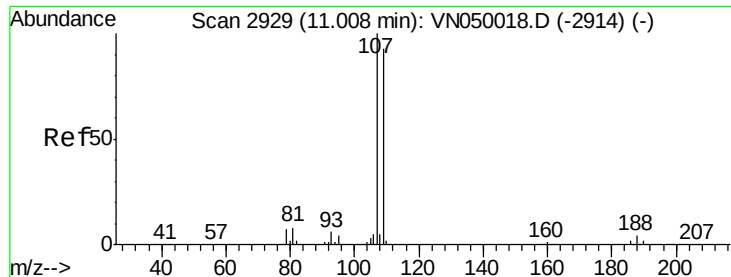
MMDadoda
7/30/2018 1:37:20 PM



#60
Dibromochloromethane
Concen: 18.696 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion: 129 Resp: 151084
Ion Ratio Lower Upper
129 100
127 77.1 38.0 113.9





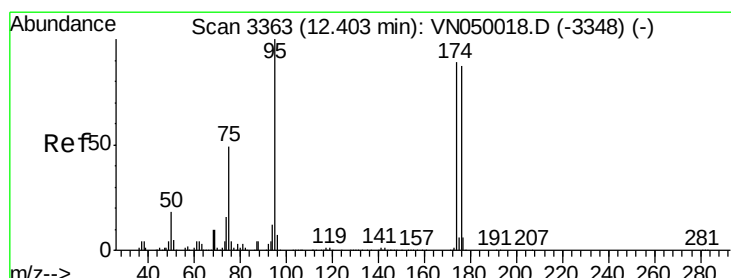
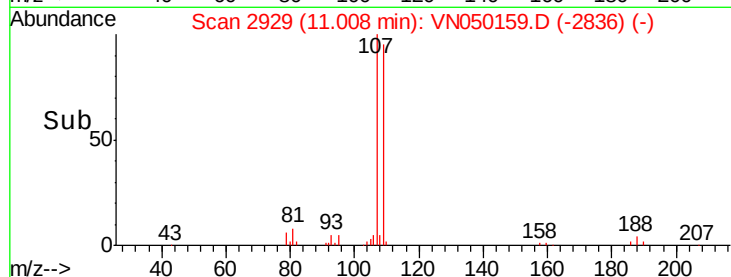
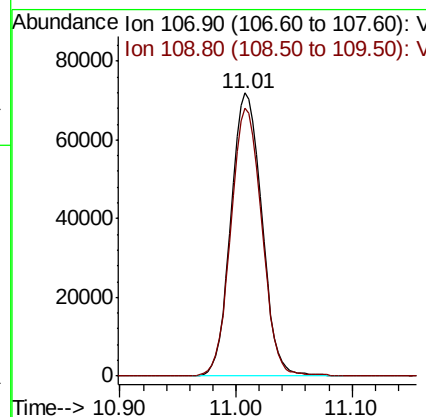
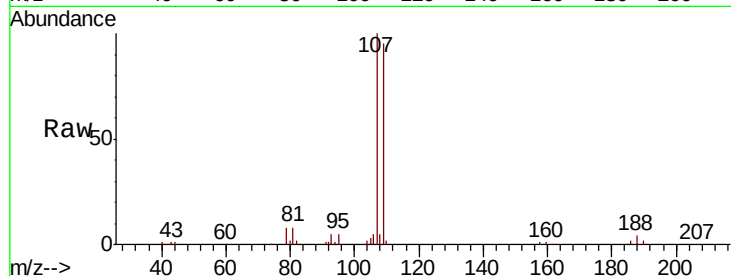
#61
 1,2-Dibromoethane
 Concen: 18.297 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

Tot Ion: 107 Resp: 132503
 Ion Ratio Lower Upper
 107 100
 109 94.7 74.6 112.0

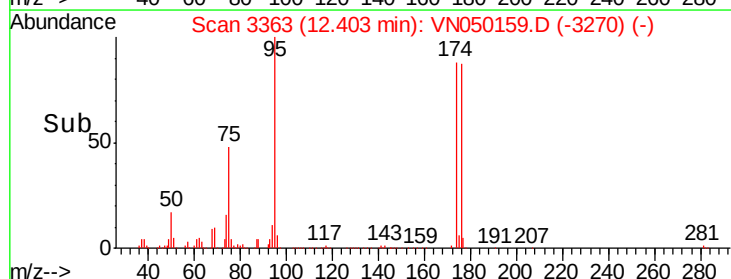
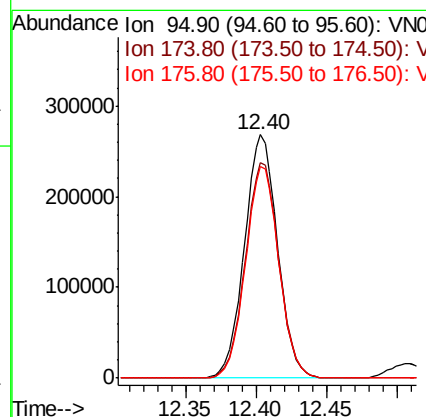
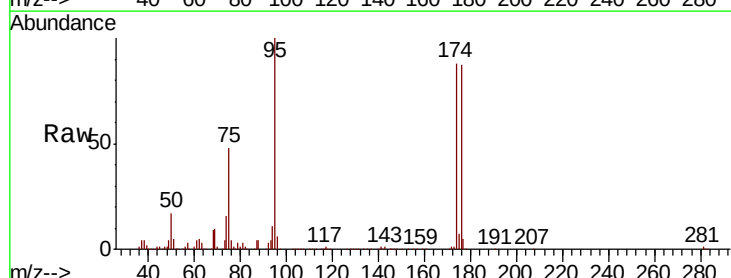
Manual Integrations
 APPROVED

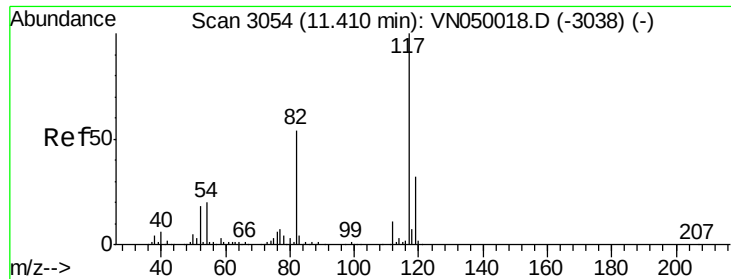
MMDadoda
 7/30/2018 1:37:20 PM



#62
 4-Bromofluorobenzene
 Concen: 49.050 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion: 95 Resp: 440837
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 178.2
 176 87.6 0.0 173.4





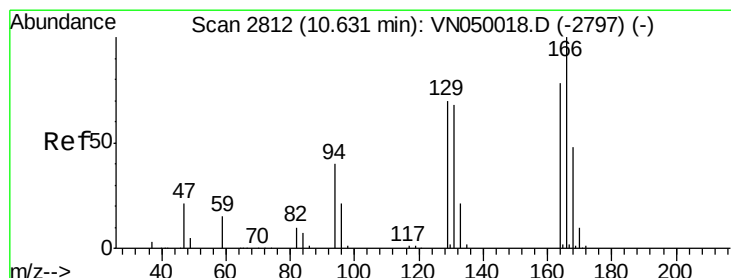
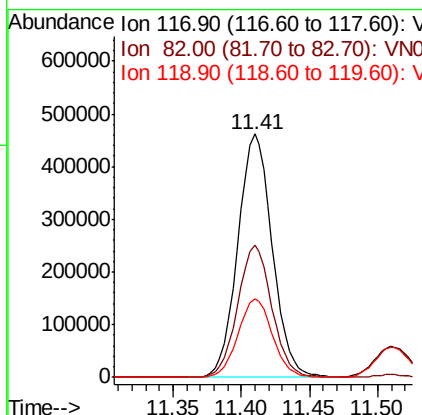
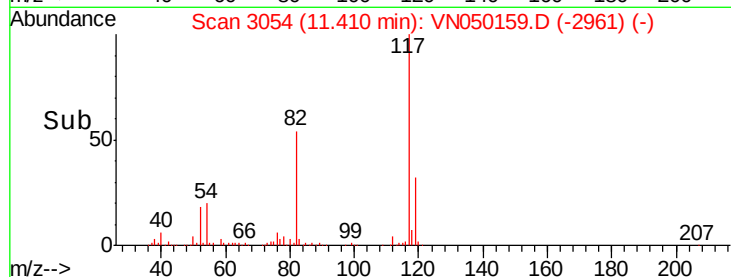
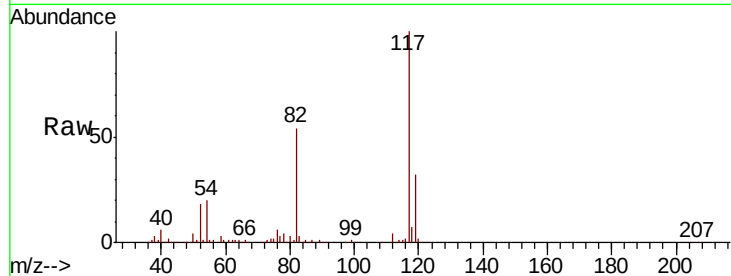
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.7	65.5
119	32.2	26.1	39.1

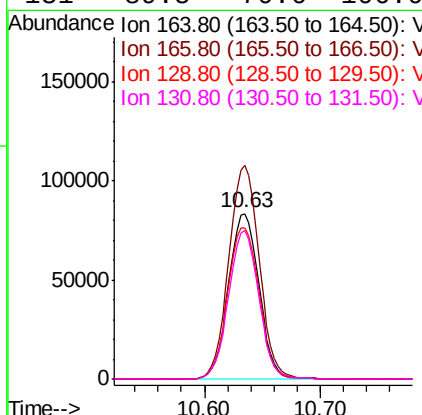
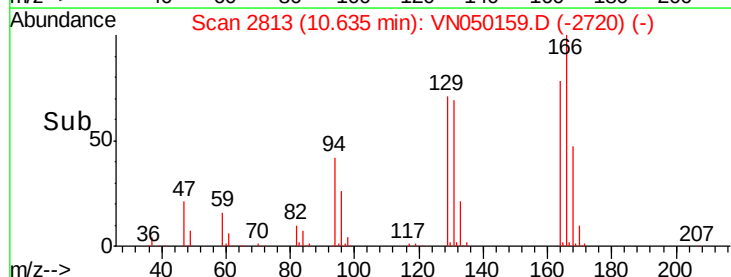
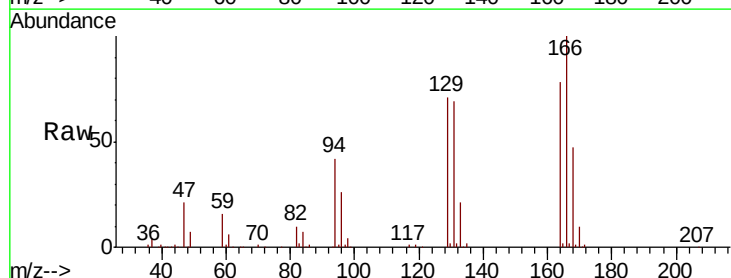
Manual Integrations
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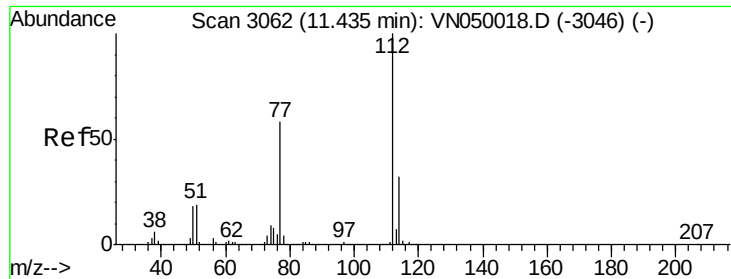
MMDadoda
7/30/2018 1:37:20 PM



#64
Tetrachloroethene
Concen: 19.588 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.1	153.1
129	91.2	73.2	109.8
131	89.5	70.6	106.0





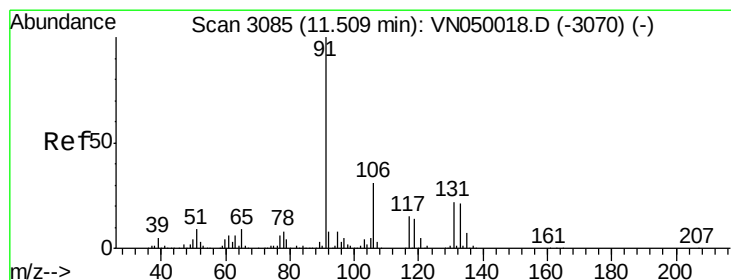
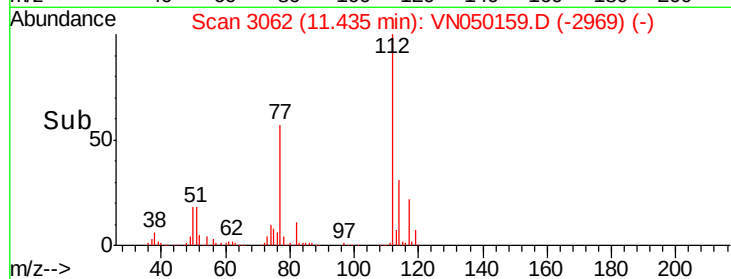
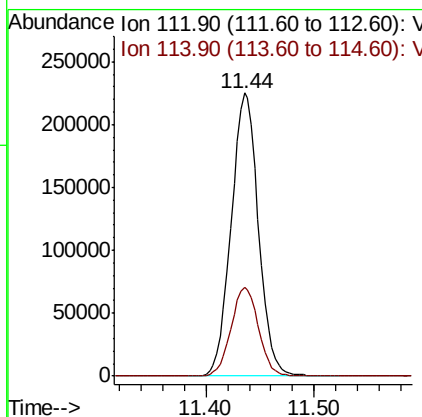
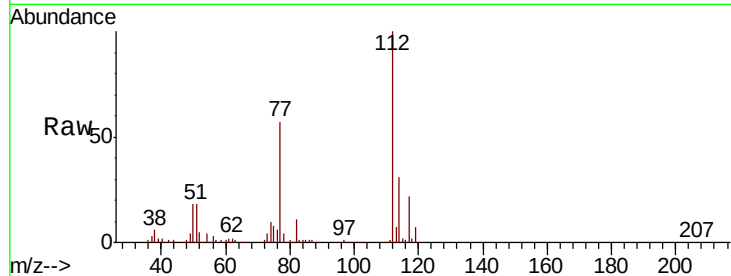
#65
Chlorobenzene
Concen: 19.378 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampled :
VN0727WBS03

Tot Ion:112 Resp: 396075
Ion Ratio Lower Upper
112 100
114 31.3 25.6 38.4

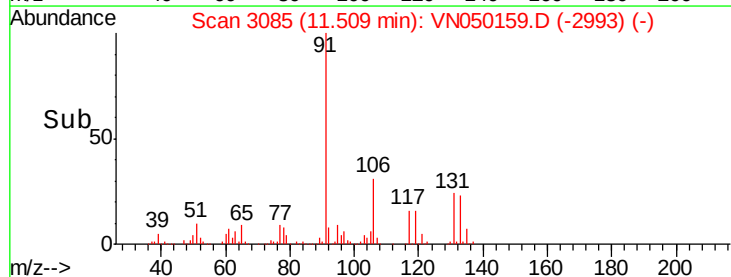
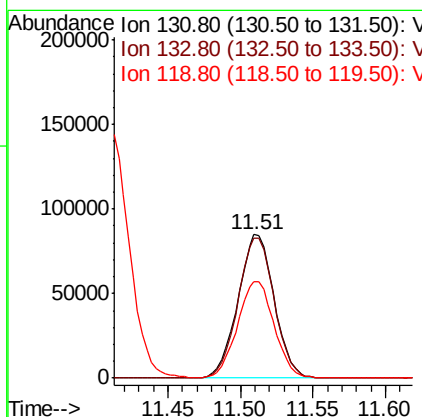
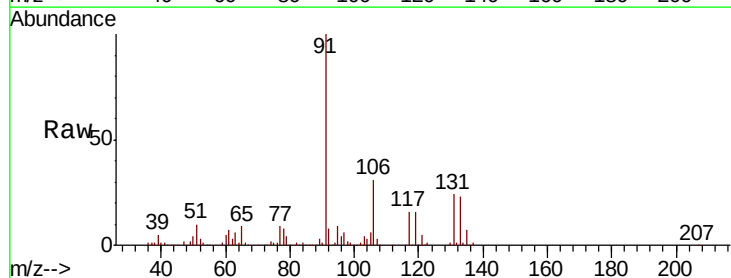
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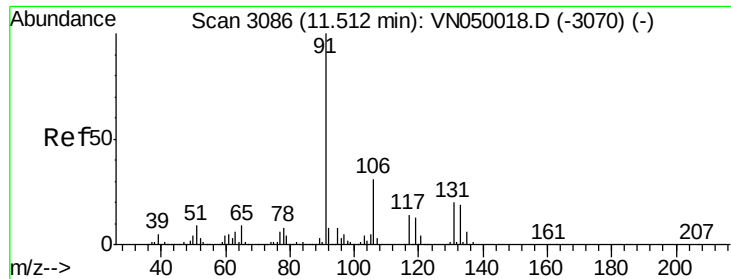
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.796 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion:131 Resp: 147617
Ion Ratio Lower Upper
131 100
133 97.5 47.3 141.9
119 68.0 32.9 98.7





#67

Ethyl Benzene

Concen: 19.594 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

Tot Ion: 91 Resp: 643337

Ion Ratio Lower Upper

91 100

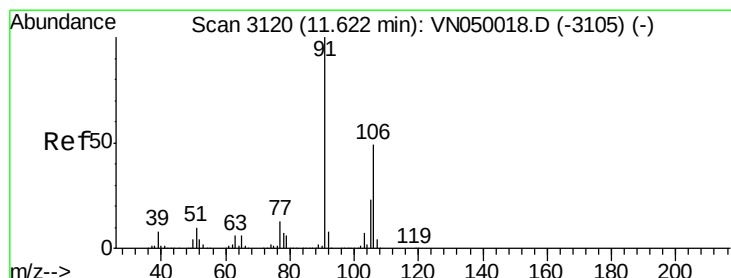
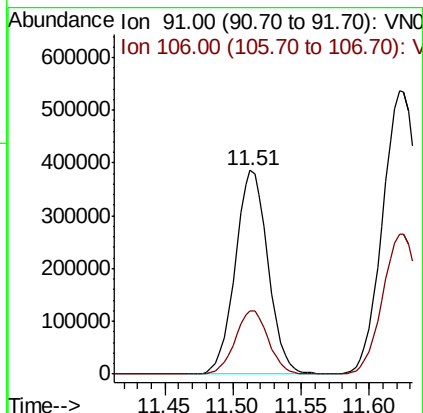
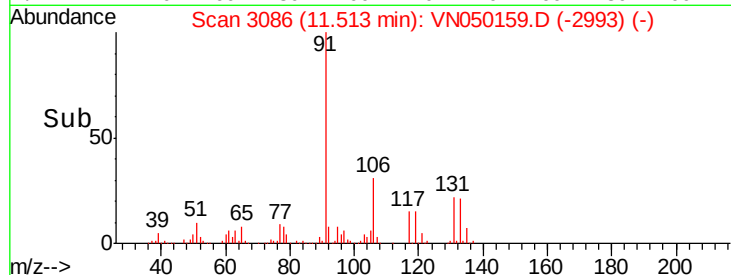
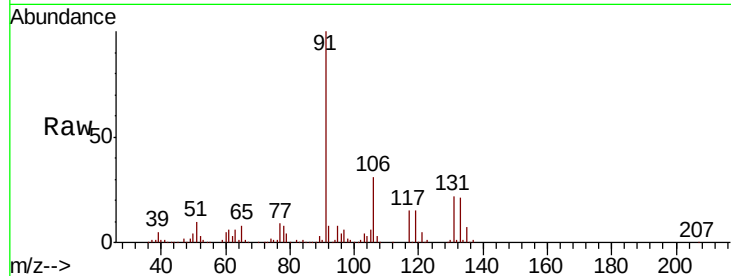
106 31.2 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.728 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050159.D

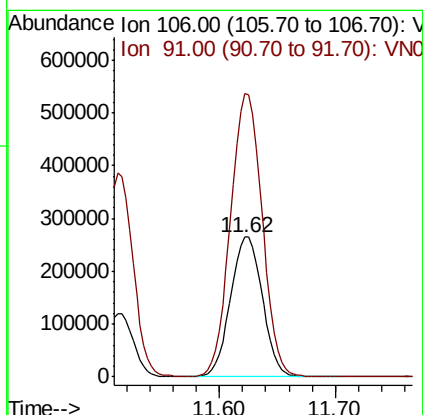
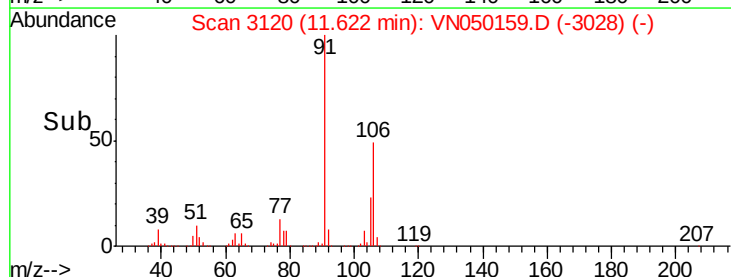
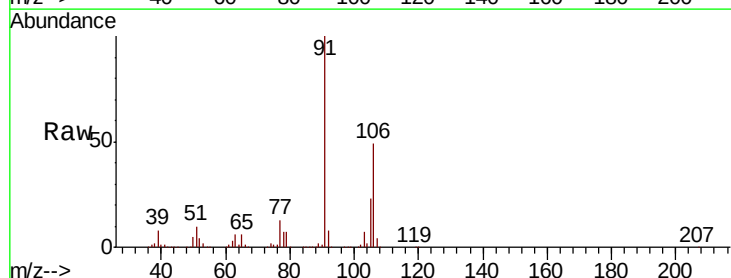
Acq: 28 Jul 2018 4:14

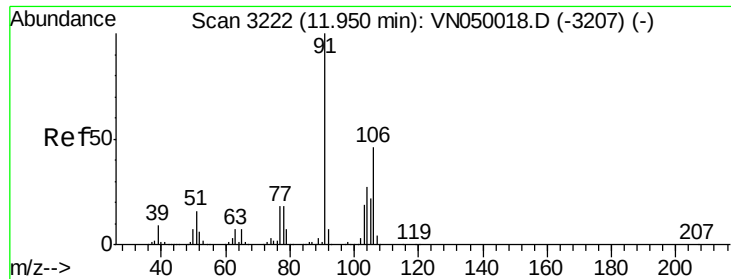
Tgt Ion: 106 Resp: 505804

Ion Ratio Lower Upper

106 100

91 200.9 162.2 243.2





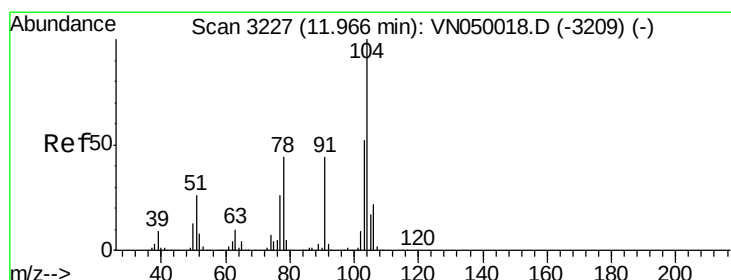
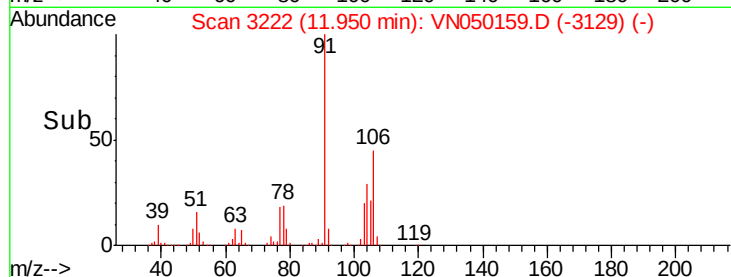
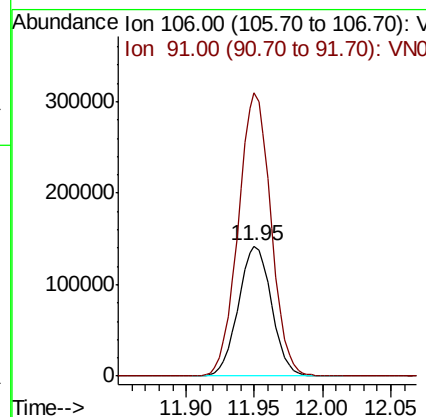
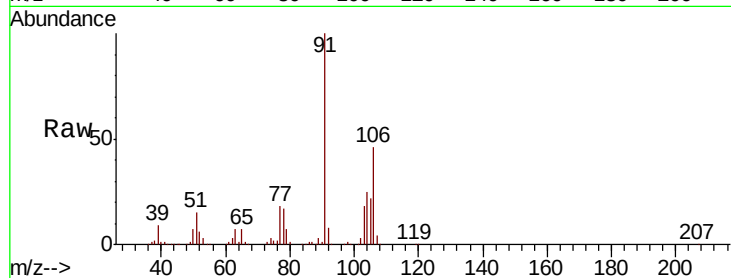
#69
o-Xylene
Concen: 20.276 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.5	107.7	323.1

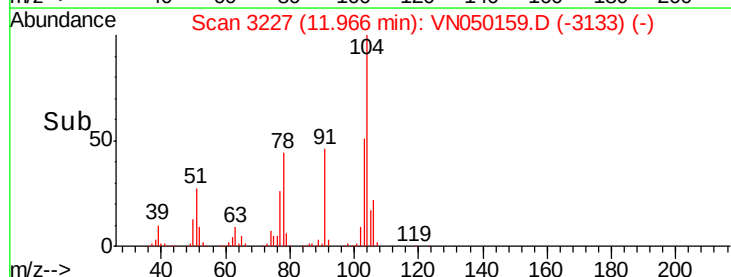
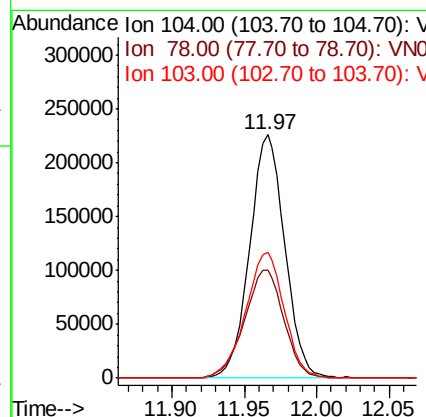
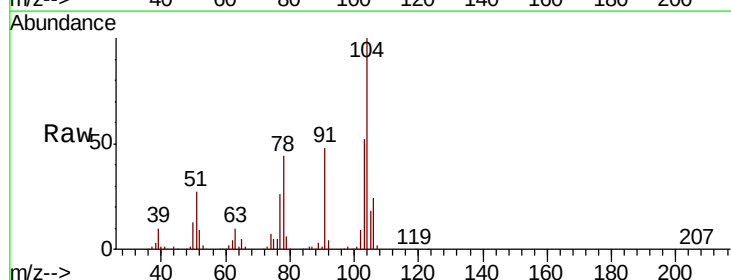
Manual Integrations
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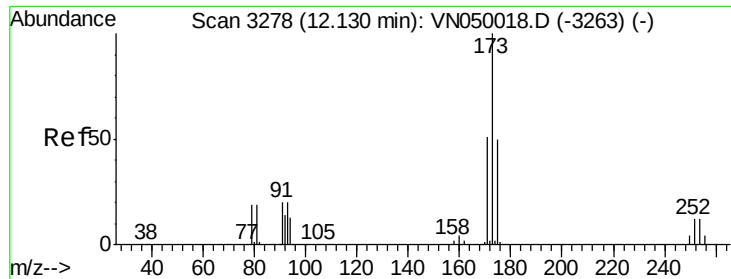
MMDadoda
7/30/2018 1:37:20 PM



#70
Styrene
Concen: 18.699 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.9	39.3	58.9
103	56.8	45.0	67.6





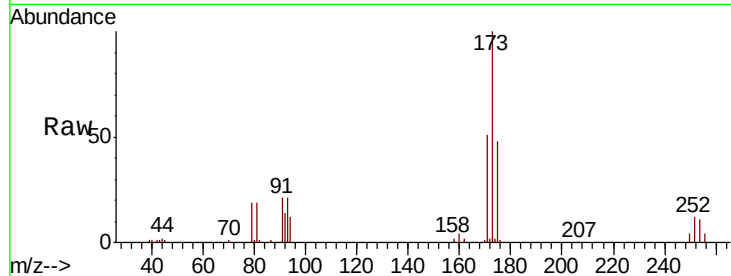
#71
Bromoform
Concen: 18.407 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.1	72.2
254	0.0	0.2	0.2#

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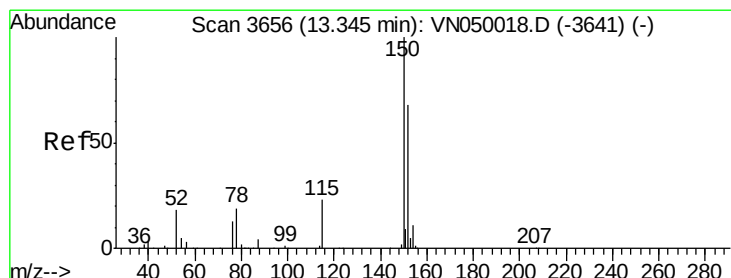
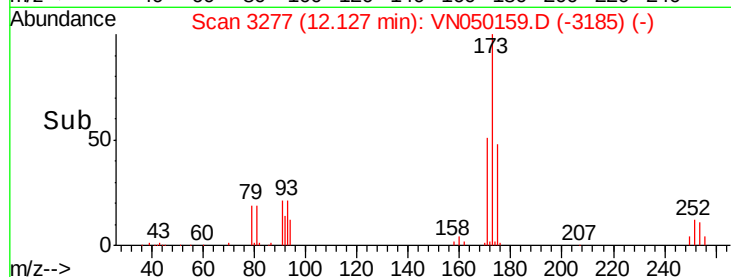
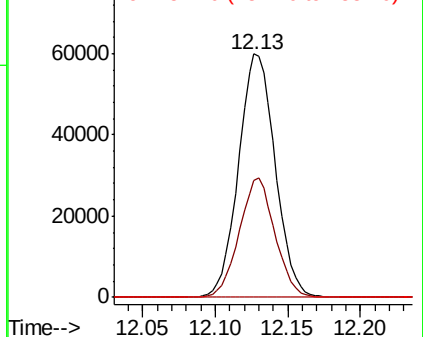


Abundance

Ion 172.70 (172.40 to 173.40): V

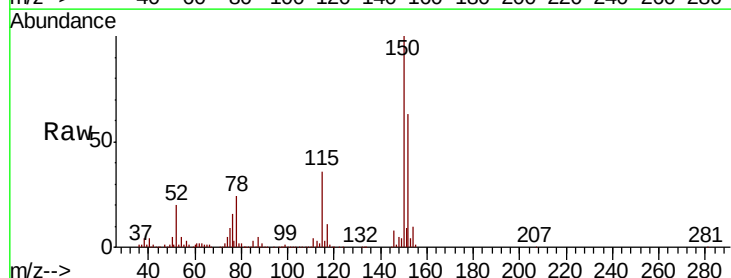
Ion 174.70 (174.40 to 175.40): V

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: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	27.8	83.3
150	163.9	0.0	348.6

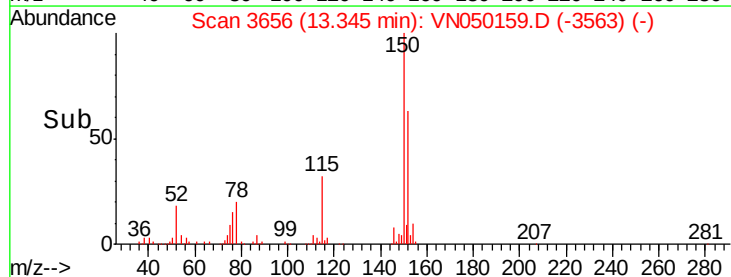
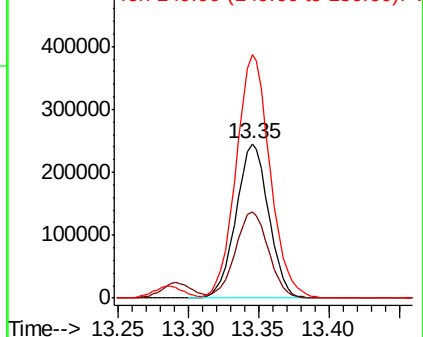


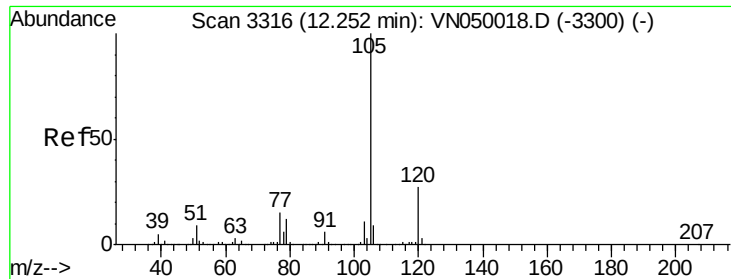
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.540 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

Tot Ion:105 Resp: 634356

Ion Ratio Lower Upper

105 100

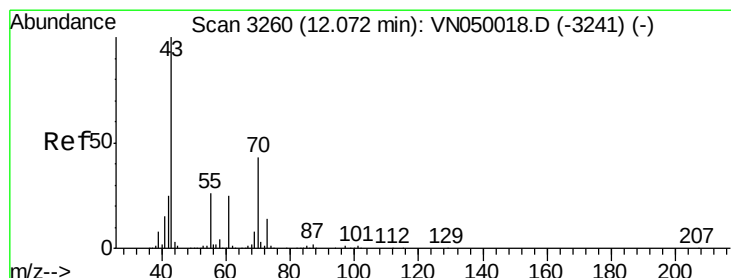
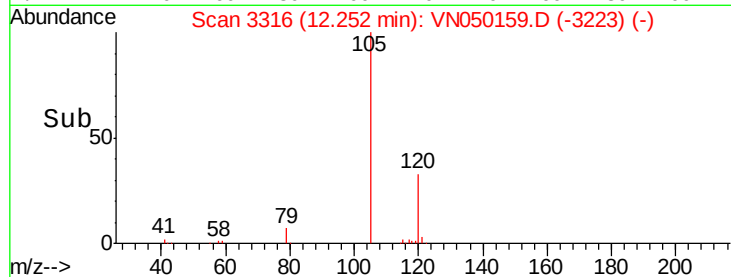
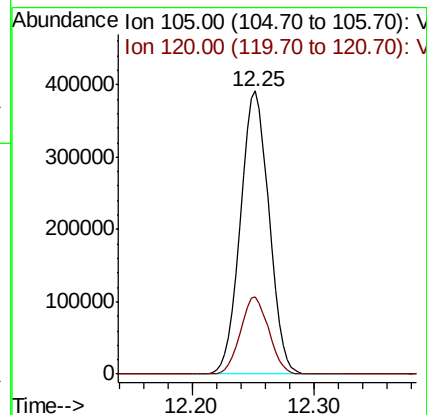
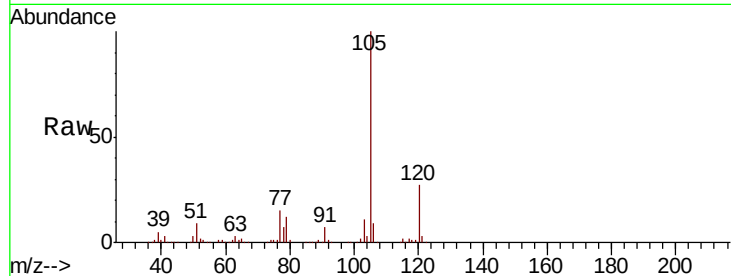
120 27.0 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.976 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Tgt Ion: 43 Resp: 169677

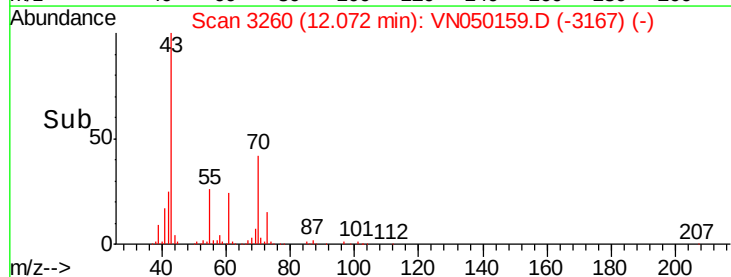
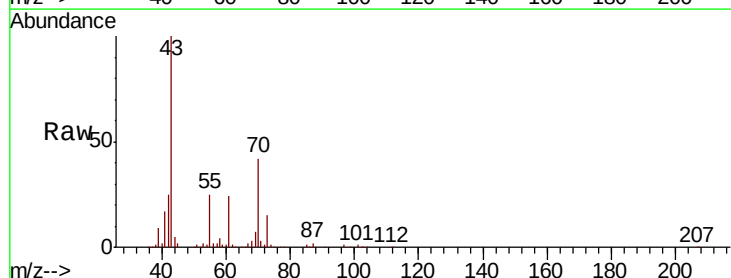
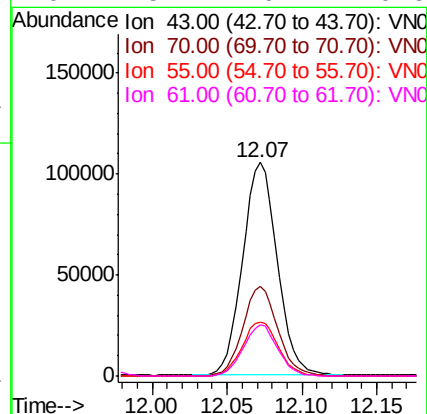
Ion Ratio Lower Upper

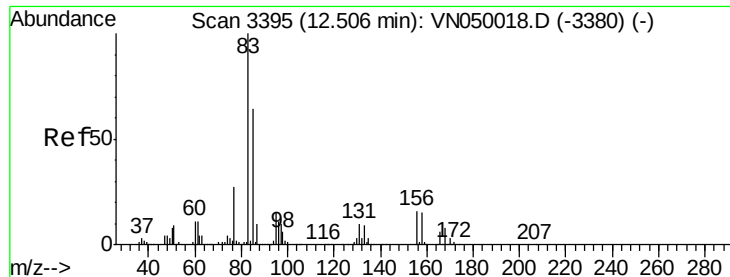
43 100

70 42.3 34.4 51.6

55 26.7 20.8 31.2

61 23.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.832 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

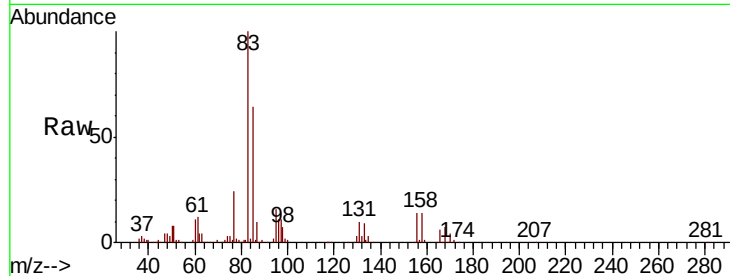
ClientSampled :

VN0727WBS03

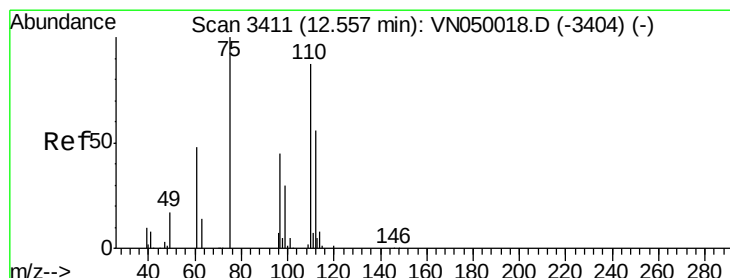
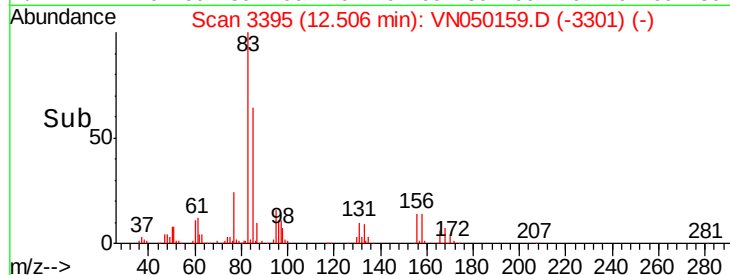
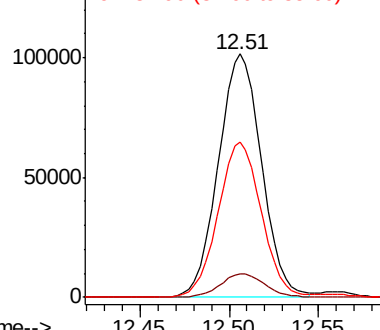
Tot Ion:	83	Resp:	172397
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.3
85	63.6	32.3	96.8

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



#76

1,2,3-Trichloropropane

Concen: 19.534 ug/l m

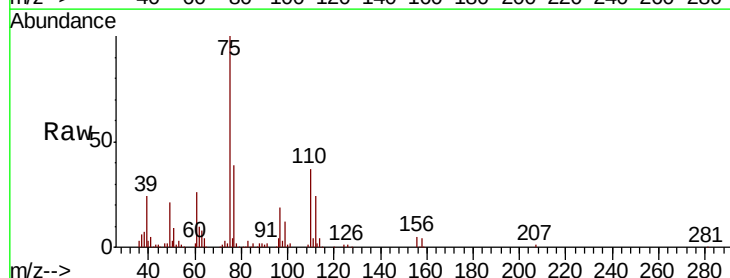
RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

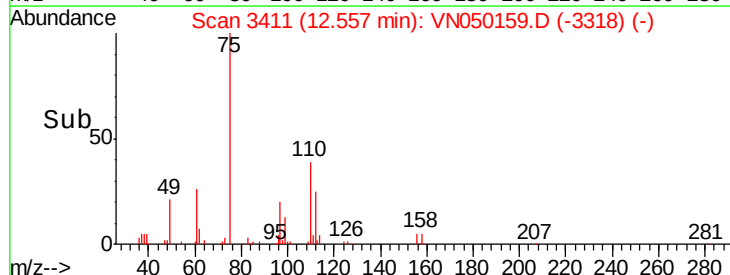
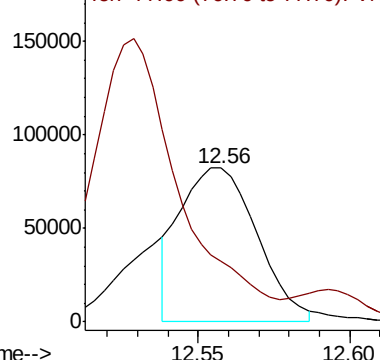
Lab File: VN050159.D

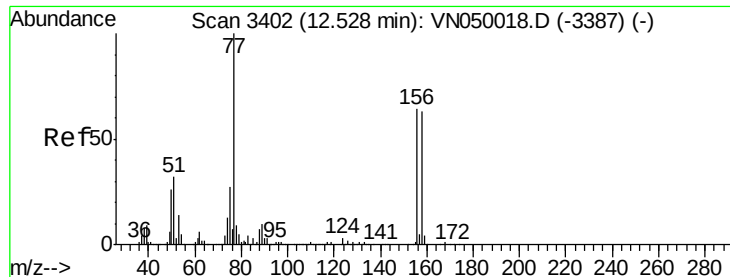
Acq: 28 Jul 2018 4:14

Tgt Ion:	75	Resp:	144569
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: 19.432 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

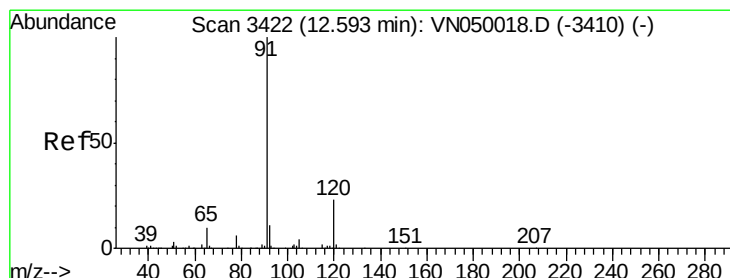
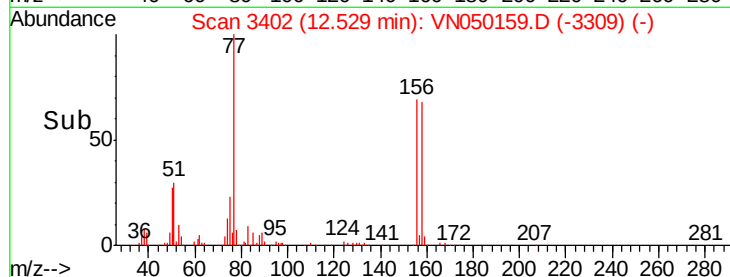
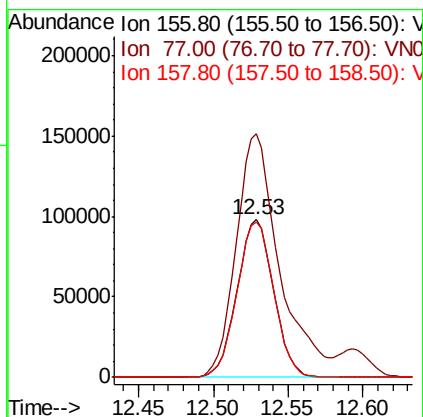
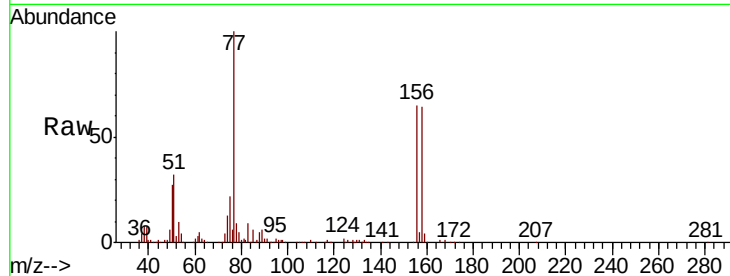
ClientSampleId :

VN0727WBS03

Tot Ion:	156	Resp:	166334
Ion Ratio	Lower	Upper	
156	100		
77	183.1	91.7	275.1
158	99.5	48.9	146.6

Manual Integrations
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7/30/2018 1:37:20 PM



#78

n-propylbenzene

Concen: 20.806 ug/l

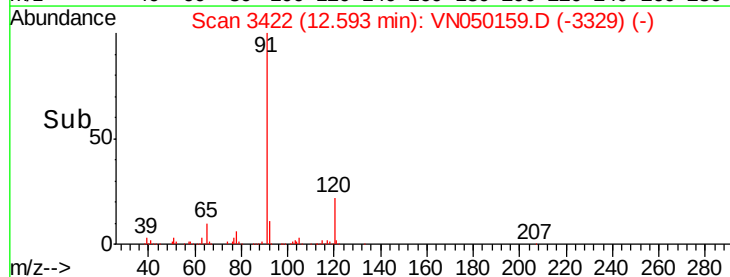
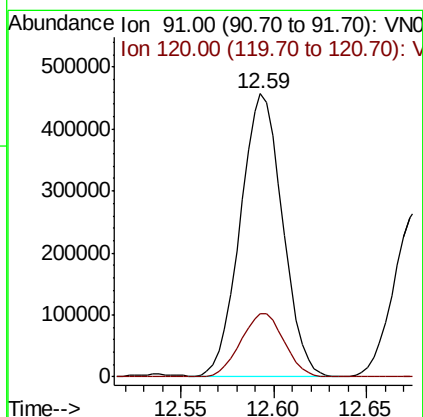
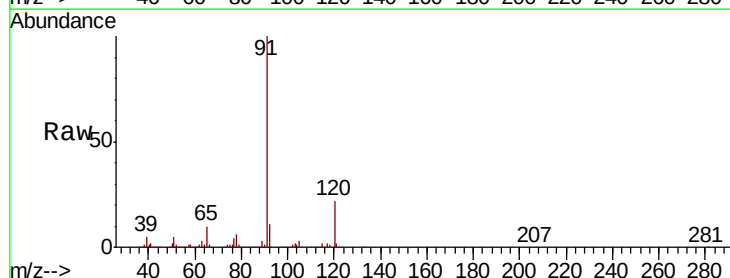
RT: 12.59 min Scan# 3422

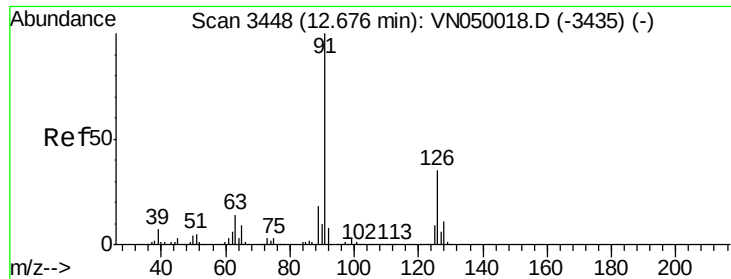
Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Tgt Ion:	91	Resp:	718222
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.6	34.7





#79

2-Chlorotoluene

Concen: 20.713 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

Tot Ion: 91 Resp: 443187

Ion Ratio Lower Upper

91 100

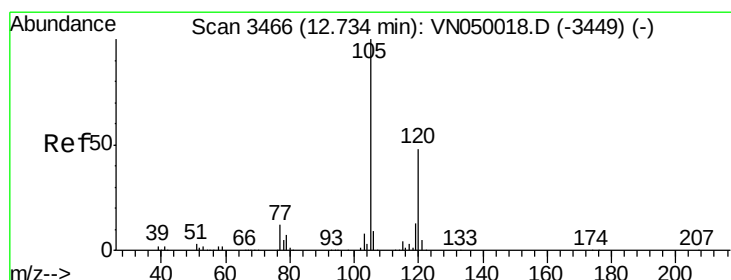
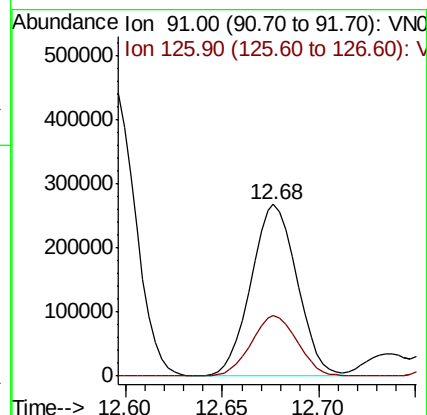
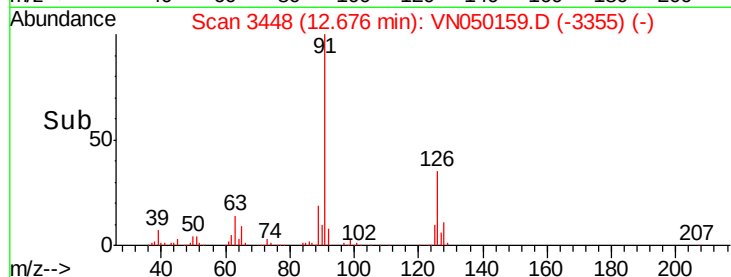
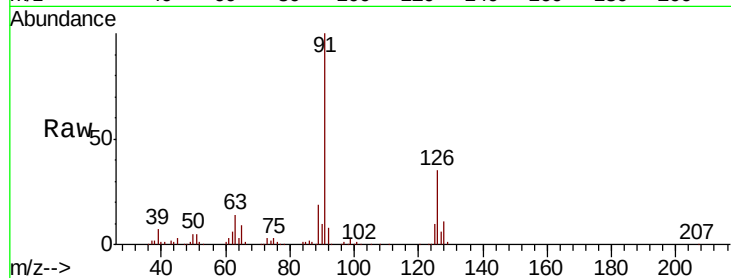
126 35.5 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.504 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050159.D

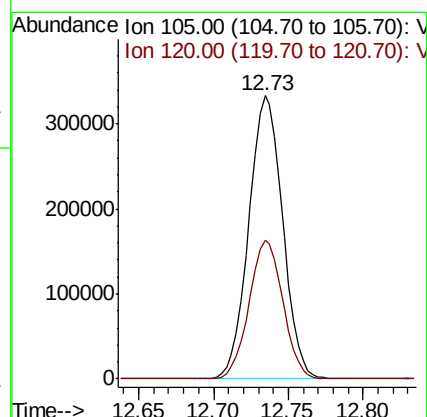
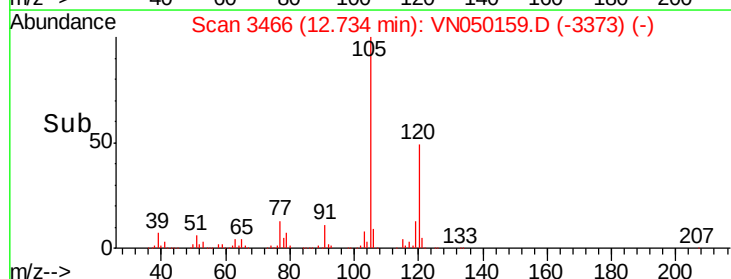
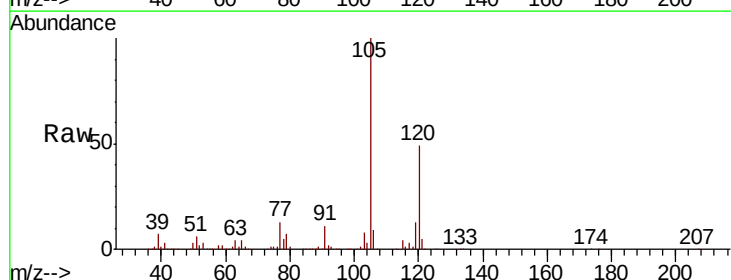
Acq: 28 Jul 2018 4:14

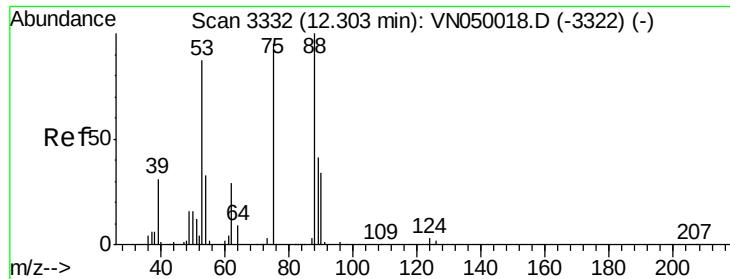
Tgt Ion: 105 Resp: 522418

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.2





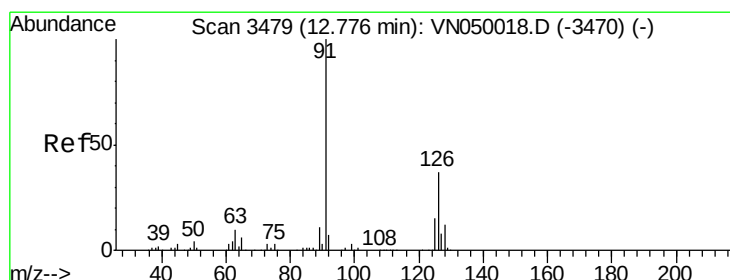
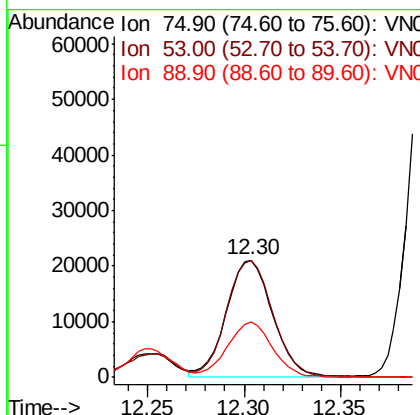
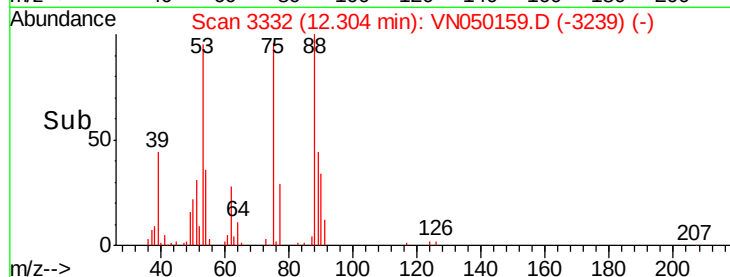
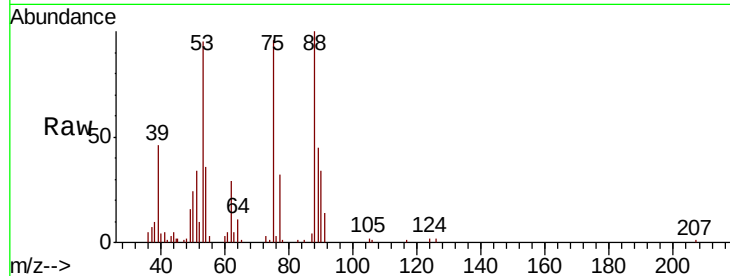
#81
trans-1,4-Dichloro-2-butene
Concen: 15.112 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.5	73.5	110.3
89	45.9	36.0	54.0

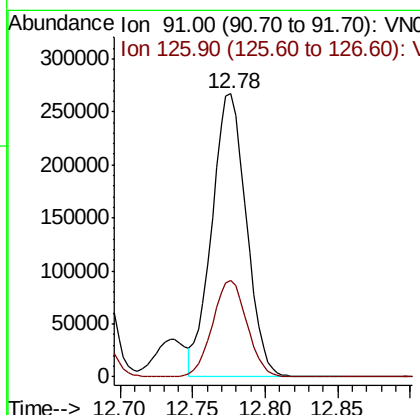
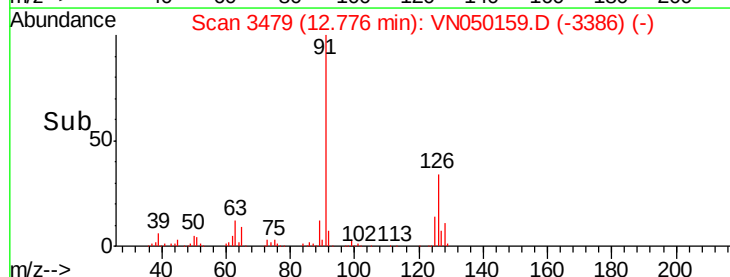
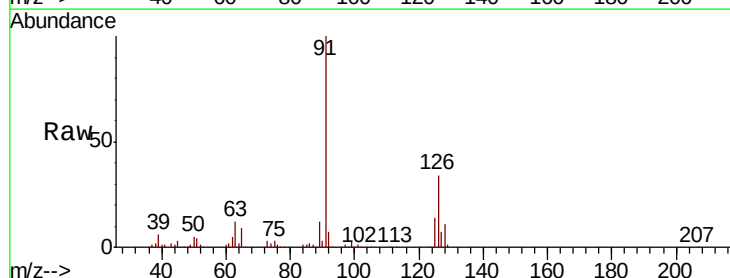
Manual Integrations
APPROVED

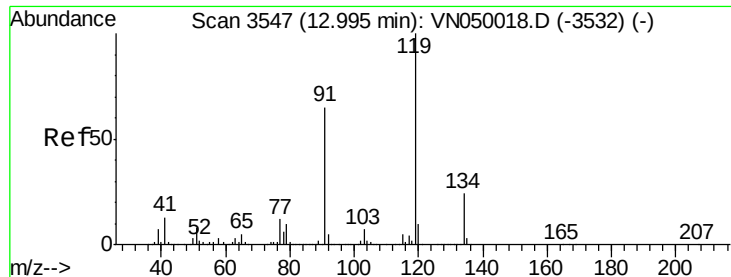
MMDadoda
7/30/2018 1:37:20 PM



#82
4-Chlorotoluene
Concen: 20.781 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.0	51.0





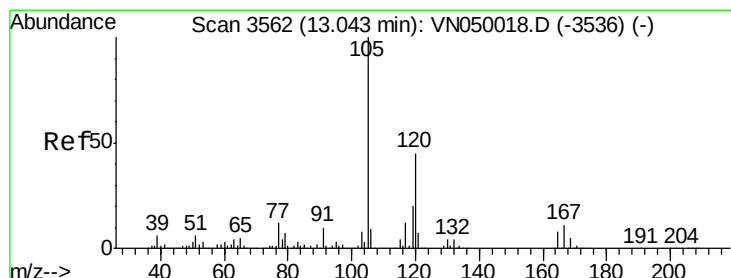
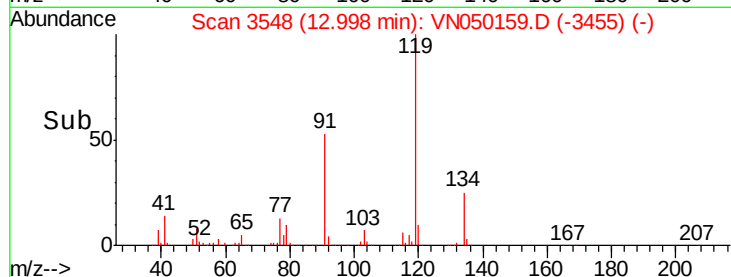
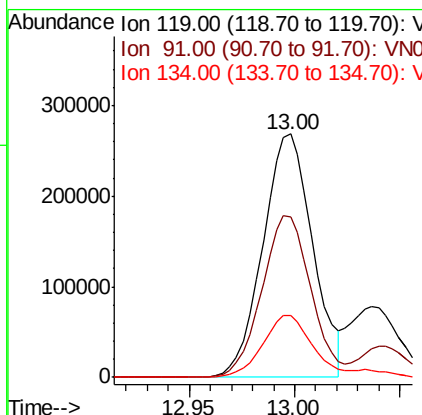
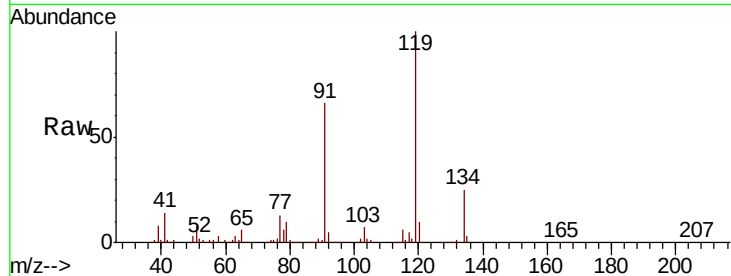
#83
 tert-Butylbenzene
 Concen: 20.835 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.1	96.3
134	25.3	13.2	39.5

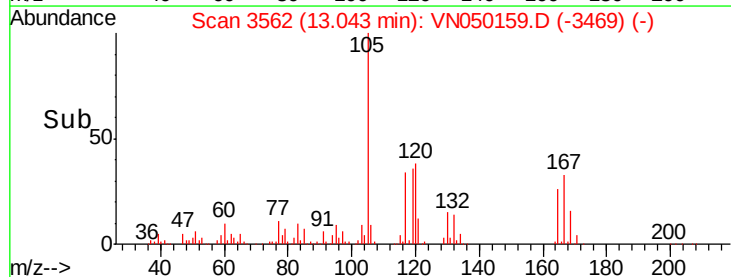
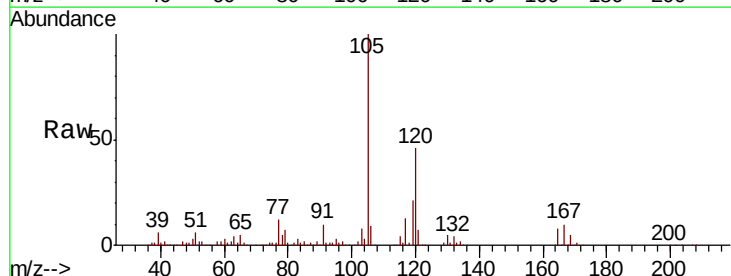
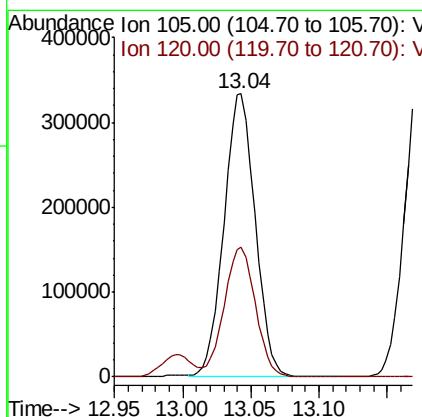
Manual Integrations
 APPROVED

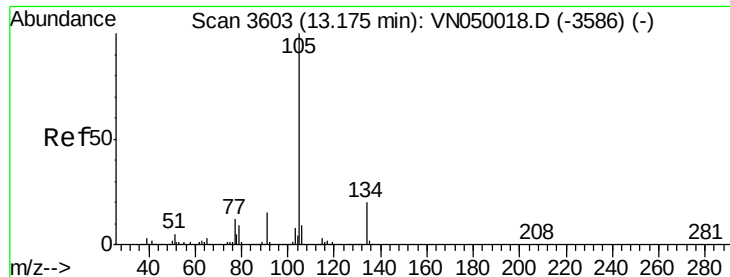
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 7/30/2018 1:37:20 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.631 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.880 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS03

Tot Ion:105 Resp: 591471

Ion Ratio Lower Upper

105 100

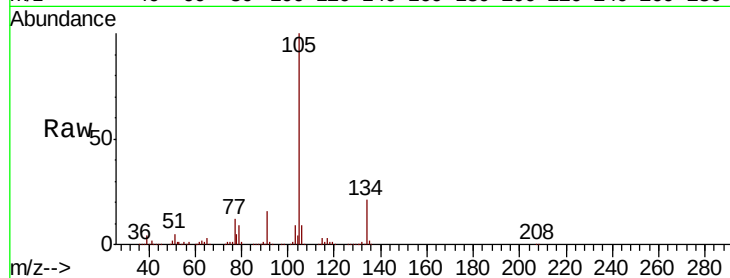
134 20.2 10.1 30.1

Manual Integrations

APPROVED

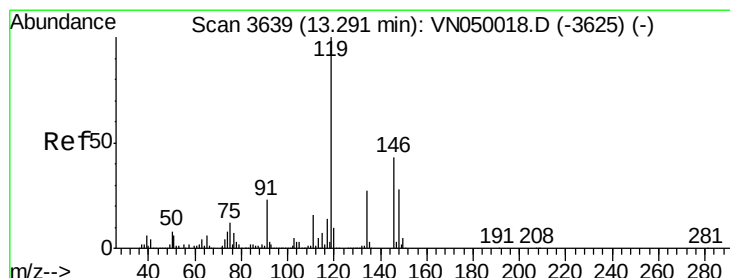
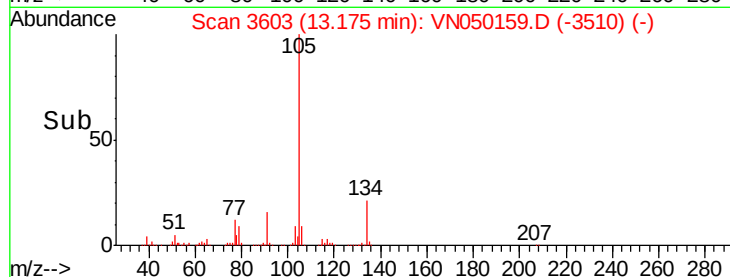
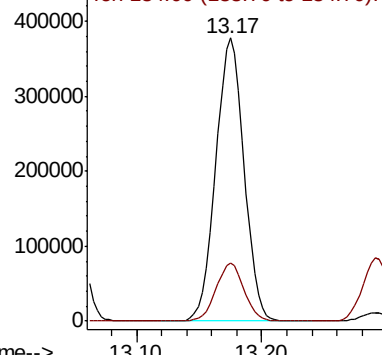
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.774 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

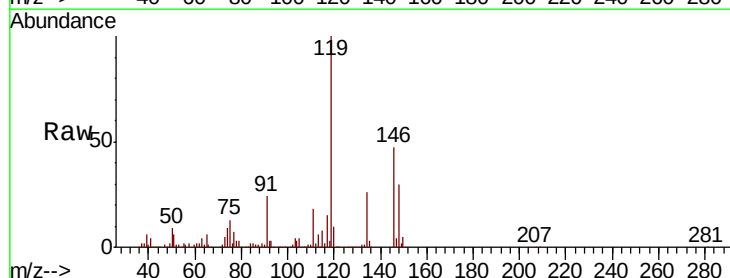
Tgt Ion:119 Resp: 495861

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

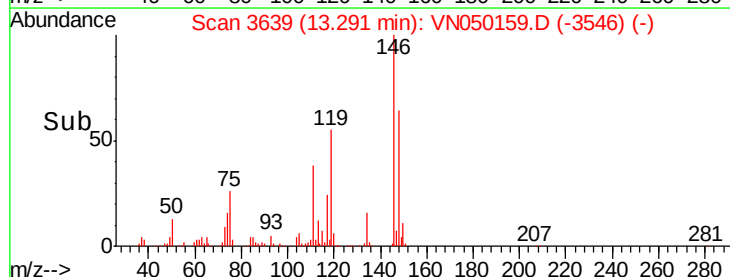
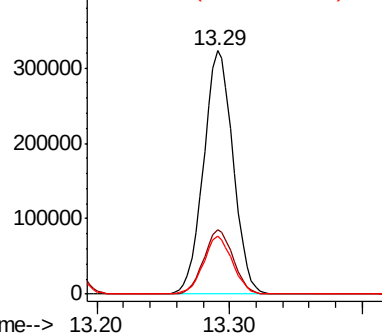
91 23.3 11.4 34.2

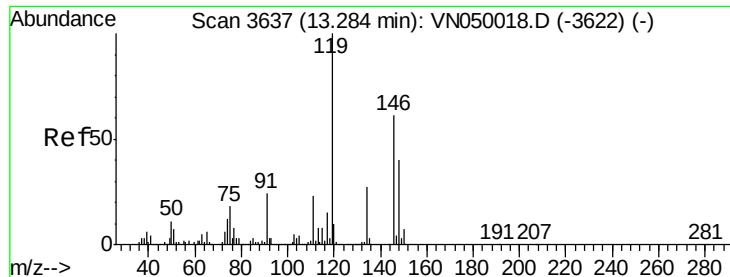


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





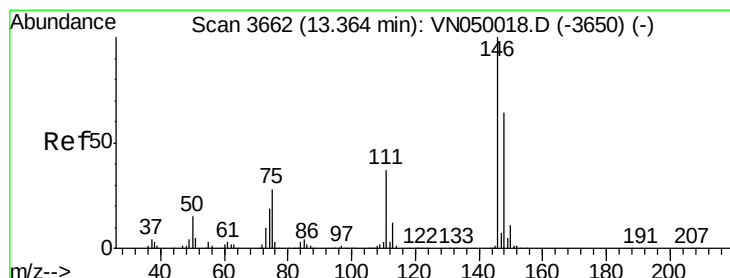
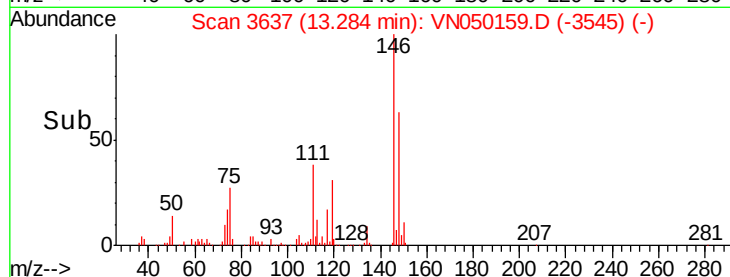
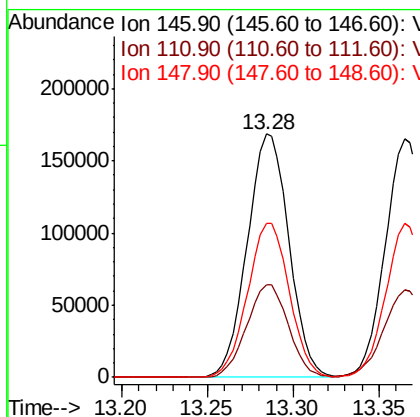
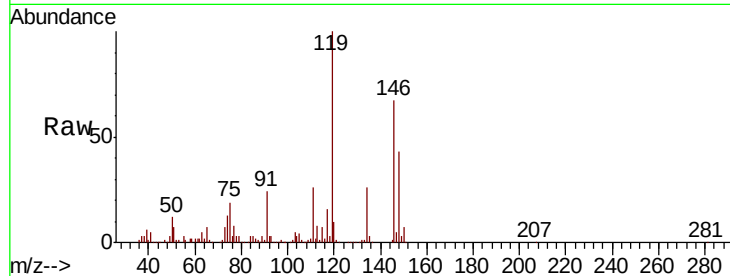
#87
 1,3-Dichlorobenzene
 Concen: 19.483 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

Tot Ion	Ratio	Resp	Lower	Upper
146	100	282713		
111	38.1	18.8	56.4	
148	63.6	31.9	95.9	

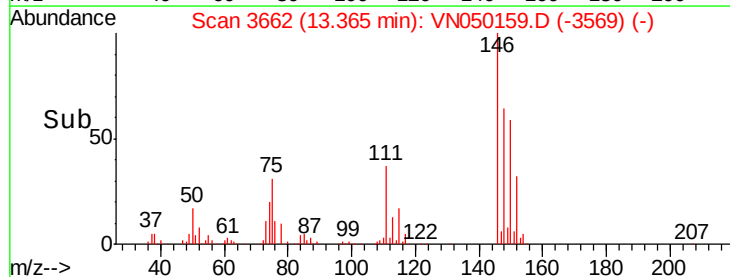
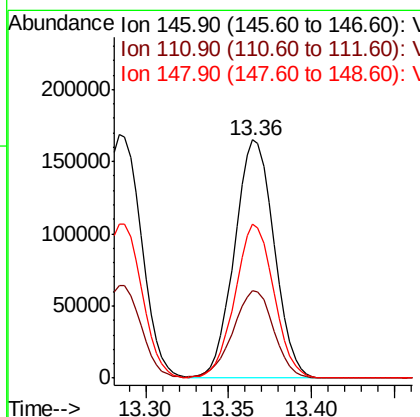
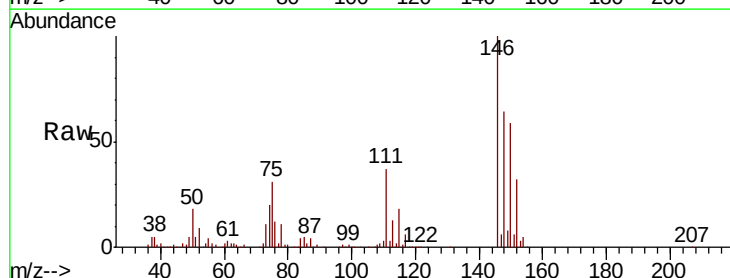
Manual Integrations
 APPROVED

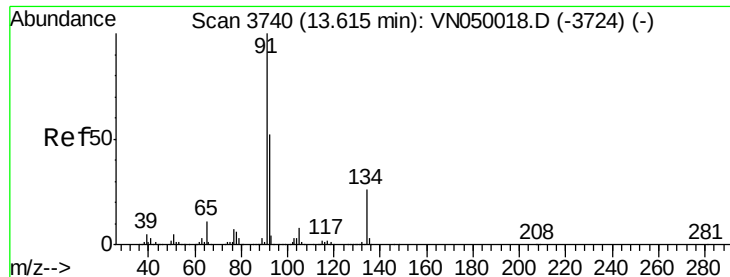
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 7/30/2018 1:37:20 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.400 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	274385		
111	37.9	18.3	54.9	
148	63.4	31.9	95.9	





#89

n-Butylbenzene

Concen: 18.953 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Instrument :

MSVOA_N

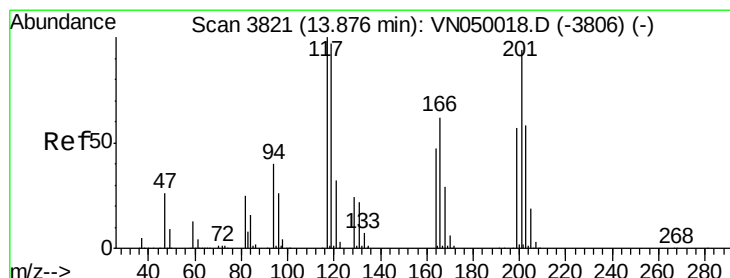
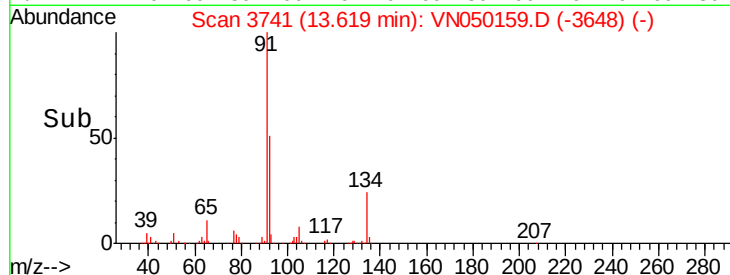
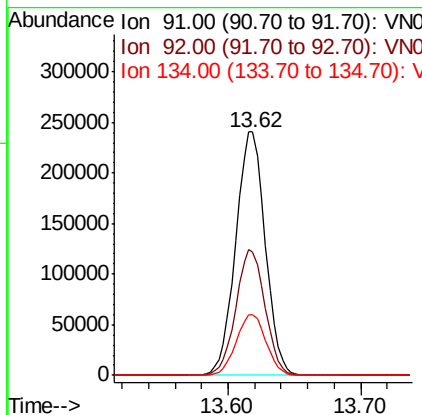
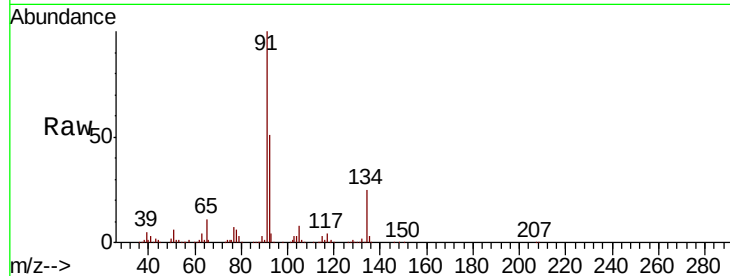
ClientSampleId :

VN0727WBS03

Tot Ion:	91	Resp:	372013
Ion Ratio	Lower	Upper	
91	100		
92	50.9	25.8	77.4
134	25.2	12.8	38.4

Manual Integrations
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7/30/2018 1:37:20 PM



#90

Hexachloroethane

Concen: 18.980 ug/l

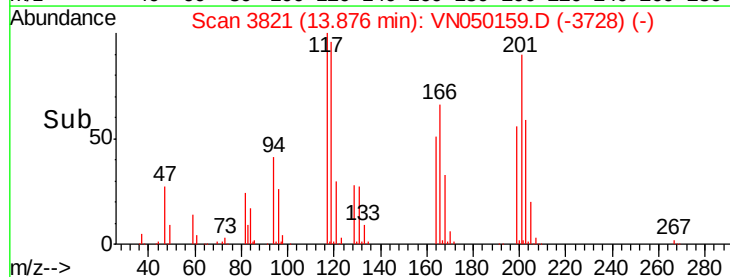
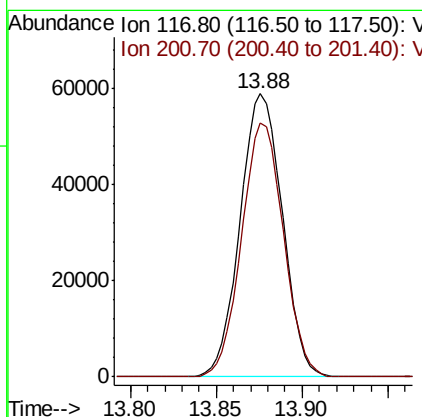
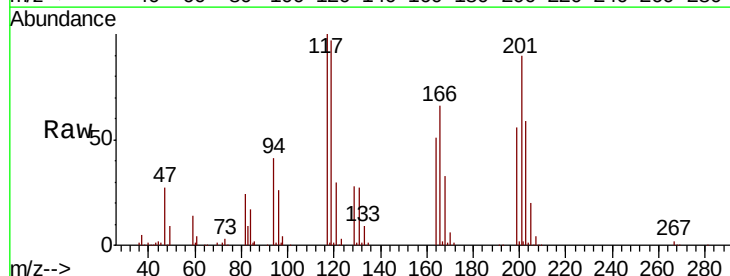
RT: 13.88 min Scan# 3821

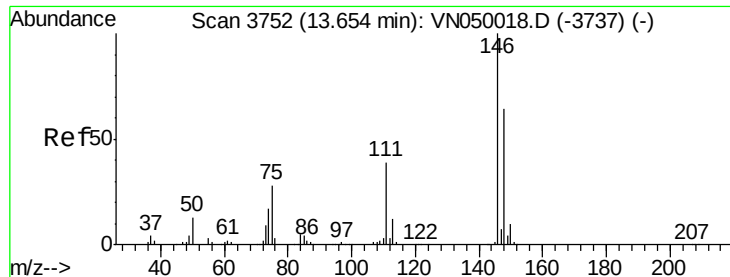
Delta R.T. 0.00 min

Lab File: VN050159.D

Acq: 28 Jul 2018 4:14

Tgt Ion:	117	Resp:	100594
Ion Ratio	Lower	Upper	
117	100		
201	88.7	45.6	136.8





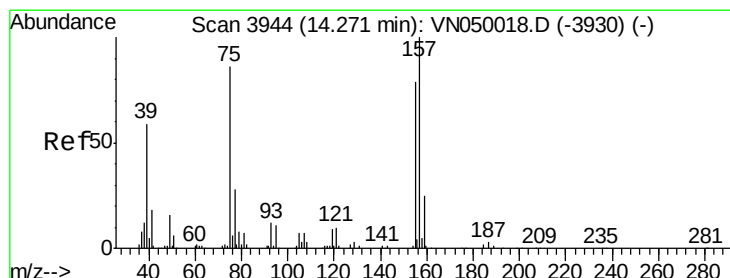
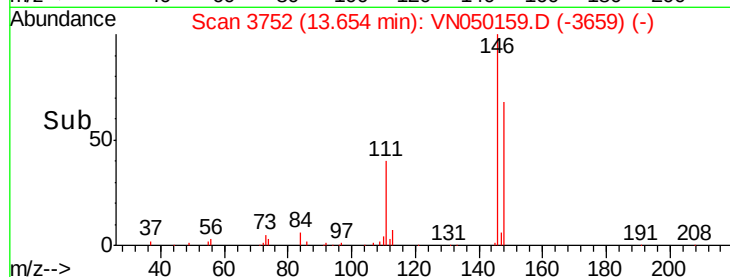
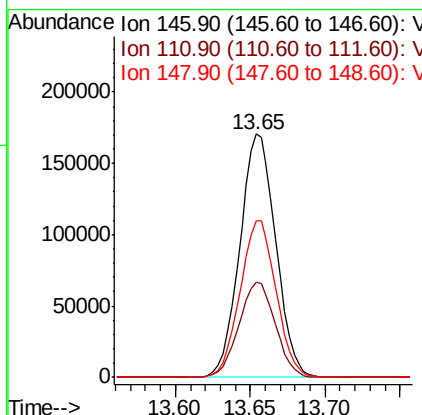
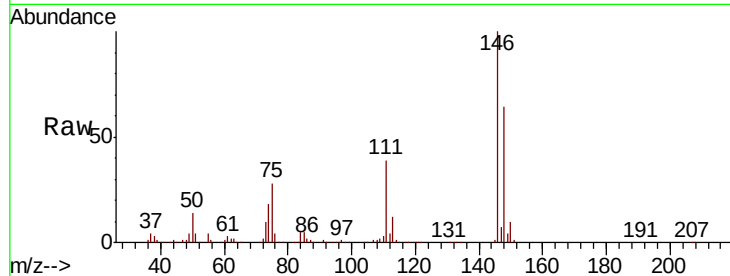
#91
 1,2-Dichlorobenzene
 Concen: 19.596 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.7
148	64.4	32.1	96.3

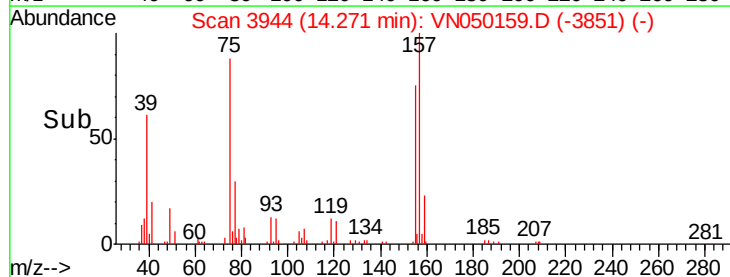
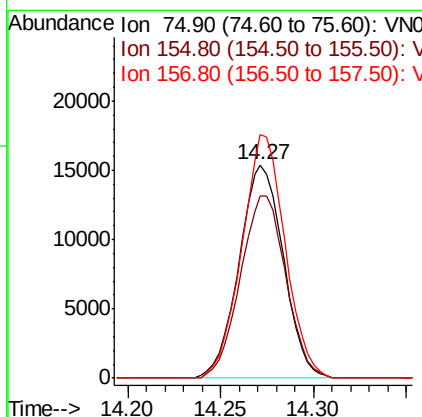
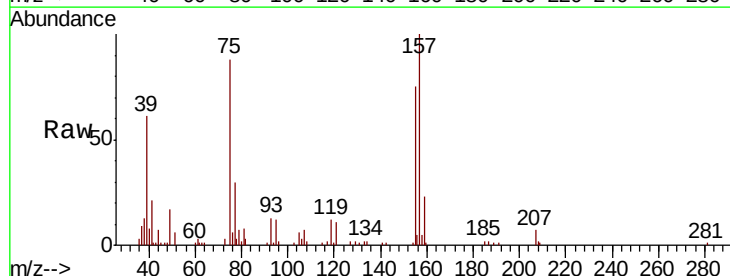
Manual Integrations
 APPROVED

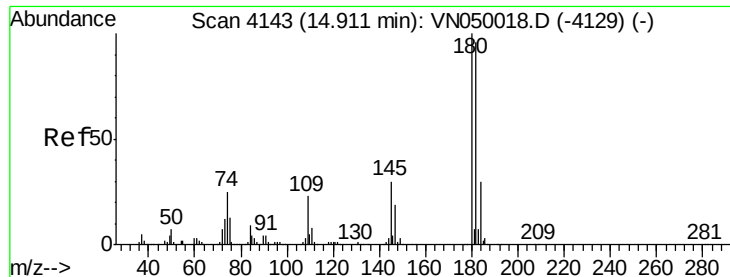
MMDadoda
 7/30/2018 1:37:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.077 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	44.8	134.4
157	111.7	57.2	171.6





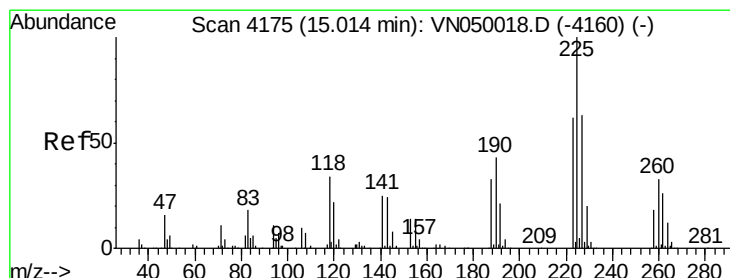
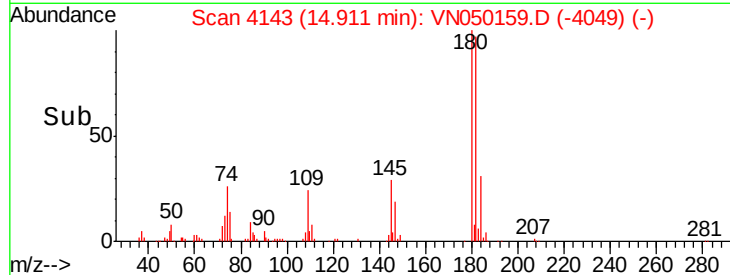
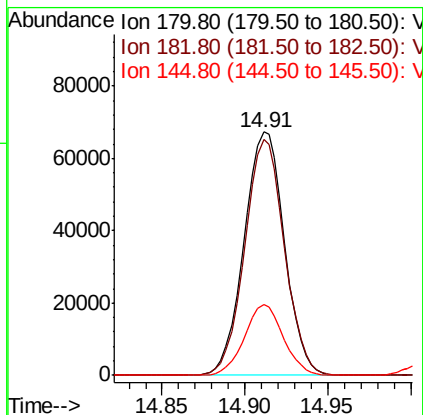
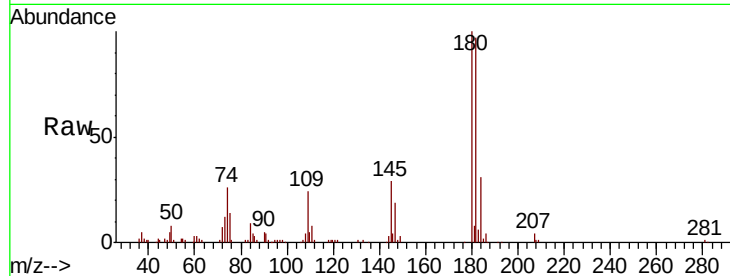
#93
 1,2,4-Trichlorobenzene
 Concen: 16.961 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0727WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	46.7	140.1	
145	28.0	13.8	41.4	

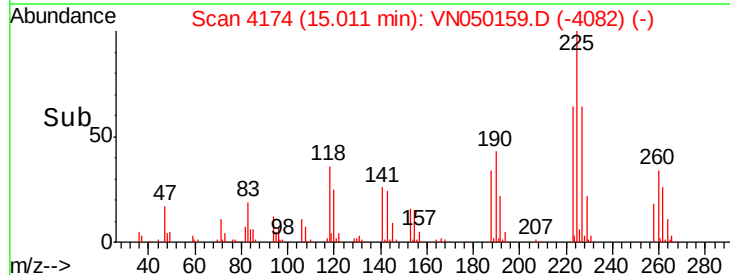
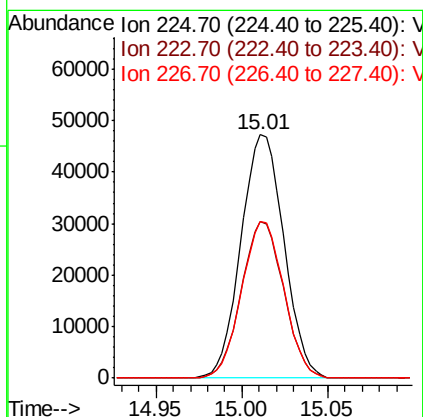
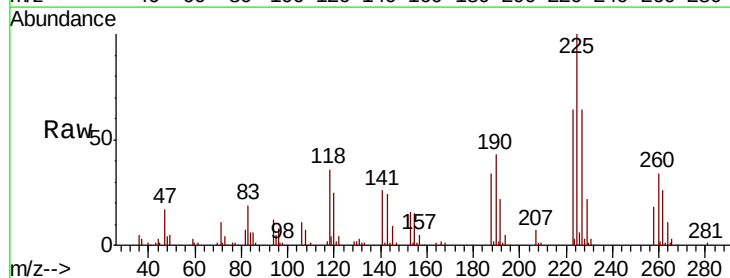
Manual Integrations
 APPROVED

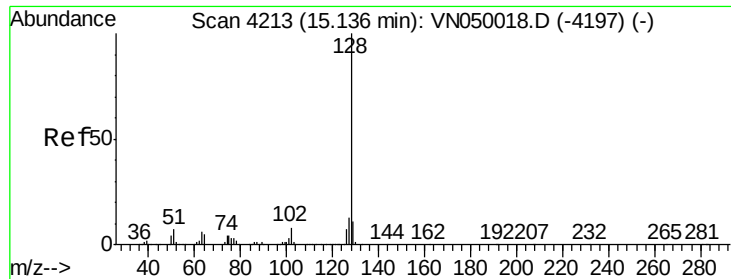
MMDadoda
 7/30/2018 1:37:20 PM



#94
 Hexachlorobutadiene
 Concen: 18.422 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050159.D
 Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	31.4	94.2	
227	63.3	32.1	96.5	





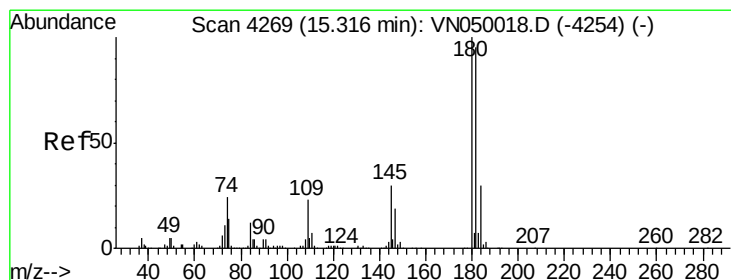
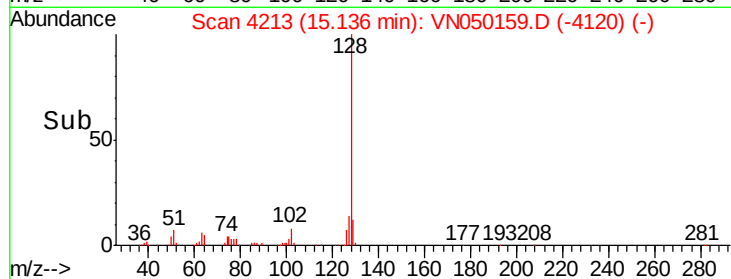
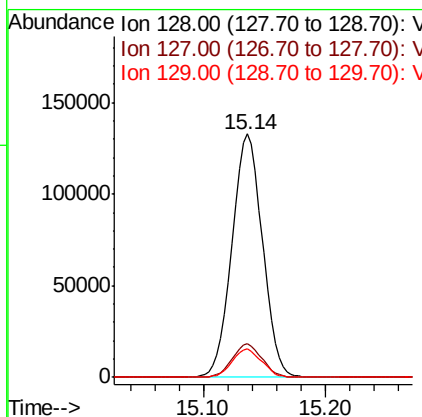
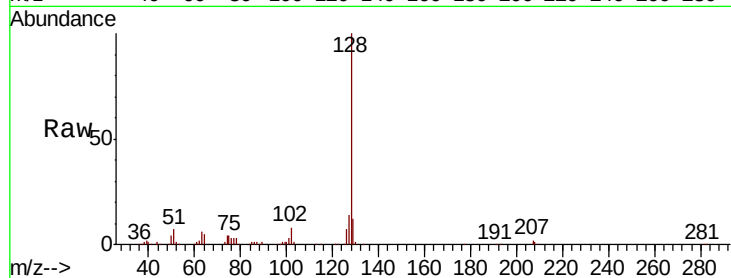
#95
Naphthalene
Concen: 16.004 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS03

Tot Ion	Ratio	Resp	Lower	Upper
128	100	231176		
127	13.4	10.4	15.6	
129	11.3	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
7/30/2018 1:37:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.349 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050159.D
Acq: 28 Jul 2018 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	118705		
182	96.6	48.1	144.4	
145	30.4	15.3	45.9	

