

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050178.D
 Acq On : 30 Jul 2018 11:26
 Operator : MD\SY
 Sample : VN0730WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:20:17 PM

Quant Time: Jul 31 01:24:33 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	665594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	975345	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	862506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	426940	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	439996	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
35) Dibromofluoromethane	7.59	113	401488	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.09	98	1473121	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.40	95	473671	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	188997	19.76	ug/l	100
3) Chloromethane	2.06	50	175765	16.91	ug/l	99
4) Vinyl Chloride	2.18	62	189885	17.35	ug/l	99
5) Bromomethane	2.56	94	69855	10.70	ug/l	96
6) Chloroethane	2.70	64	114548	17.42	ug/l	97
7) Trichlorofluoromethane	3.01	101	264106	18.62	ug/l	99
8) Diethyl Ether	3.41	74	84205	17.81	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	162544	19.06	ug/l	99
10) Methyl Iodide	3.95	142	86883	7.94	ug/l	99
11) Tert butyl alcohol	4.80	59	49167	71.96	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	141923	18.50	ug/l	97
13) Acrolein	3.61	56	20026	36.48	ug/l	96
14) Allyl chloride	4.32	41	221207	18.60	ug/l	99
15) Acrylonitrile	4.99	53	241661	81.06	ug/l	99
16) Acetone	3.82	43	207769	92.24	ug/l	98
17) Carbon Disulfide	4.05	76	409113	17.41	ug/l	99
18) Methyl Acetate	4.33	43	170182	18.99	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	367216	17.96	ug/l	98
20) Methylene Chloride	4.55	84	160058	18.65	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	149498	18.39	ug/l	99
22) Diisopropyl ether	5.95	45	465841	19.75	ug/l	95
23) Vinyl Acetate	5.90	43	1456267	87.37	ug/l	99
24) 1,1-Dichloroethane	5.85	63	288959	18.74	ug/l	99
25) 2-Butanone	6.84	43	295325	83.37	ug/l	100
26) 2,2-Dichloropropane	6.82	77	243372	20.74	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	167883	19.19	ug/l	98
28) Bromochloromethane	7.20	49	134174	19.07	ug/l	98
29) Tetrahydrofuran	7.21	42	178005	77.77	ug/l	99
30) Chloroform	7.37	83	293556	18.65	ug/l	99
31) Cyclohexane	7.65	56	247165	19.28	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	246977	18.35	ug/l	99
36) 1,1-Dichloropropene	7.79	75	217028	19.75	ug/l	99
37) Ethyl Acetate	6.93	43	121036	15.80	ug/l	99
38) Carbon Tetrachloride	7.77	117	221444	18.99	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	224990	19.90	ug/l	98
40) Benzene	8.04	78	648405	19.39	ug/l	100
41) Methacrylonitrile	7.18	41	69406	19.19	ug/l #	81
42) 1,2-Dichloroethane	8.12	62	207136	18.57	ug/l	100
43) Isopropyl Acetate	8.17	43	260327	17.29	ug/l	96
44) Trichloroethene	8.84	130	168898	18.80	ug/l	99
45) 1,2-Dichloropropane	9.12	63	171949	19.41	ug/l	98
46) Dibromomethane	9.21	93	101055	18.38	ug/l	98
47) Bromodichloromethane	9.40	83	218657	18.84	ug/l	98
48) Methyl methacrylate	9.20	41	109383	16.58	ug/l	96
49) 1,4-Dioxane	9.20	88	28610	318.62	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	624858	82.97	ug/l	99
52) Toluene	10.16	92	394187	19.97	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	211477	19.31	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	244144	19.50	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	143612	18.34	ug/l	98
56) Ethyl methacrylate	10.43	69	165036	16.96	ug/l	98
57) 1,3-Dichloropropane	10.71	76	239335	18.77	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	381810	82.96	ug/l	99
59) 2-Hexanone	10.75	43	412417	78.15	ug/l	99
60) Dibromochloromethane	10.90	129	158581	18.29	ug/l	98
61) 1,2-Dibromoethane	11.01	107	135538	17.45	ug/l	98
64) Tetrachloroethene	10.63	164	159715	19.26	ug/l	99
65) Chlorobenzene	11.44	112	421988	19.37	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	160590	19.18	ug/l	98
67) Ethyl Benzene	11.51	91	701873	20.05	ug/l	100
68) m/p-Xylenes	11.62	106	543129	41.03	ug/l	99
69) o-Xylene	11.95	106	257716	20.42	ug/l	99
70) Styrene	11.97	104	406514	18.70	ug/l	100
71) Bromoform	12.13	173	105826	17.38	ug/l #	99
73) Isopropylbenzene	12.25	105	694232	20.97	ug/l	100
74) N-amyl acetate	12.07	43	165644	16.37	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	174308	18.60	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	144633m	18.23	ug/l	
77) Bromobenzene	12.53	156	177267	19.32	ug/l	99
78) n-propylbenzene	12.59	91	797910	21.56	ug/l	100
79) 2-Chlorotoluene	12.68	91	481912	21.01	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	575078	22.08	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42801	17.11	ug/l	99
82) 4-Chlorotoluene	12.77	91	480159	21.14	ug/l	100
83) tert-Butylbenzene	12.99	119	492632	21.67	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	580787	22.12	ug/l	99
85) sec-Butylbenzene	13.17	105	662176	21.80	ug/l	100
86) p-Isopropyltoluene	13.29	119	561867	21.96	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	308617	19.84	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	295585	19.49	ug/l	99
89) n-Butylbenzene	13.62	91	439550	20.89	ug/l	99
90) Hexachloroethane	13.88	117	107968	19.00	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	301803	19.41	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25122	16.48	ug/l	98

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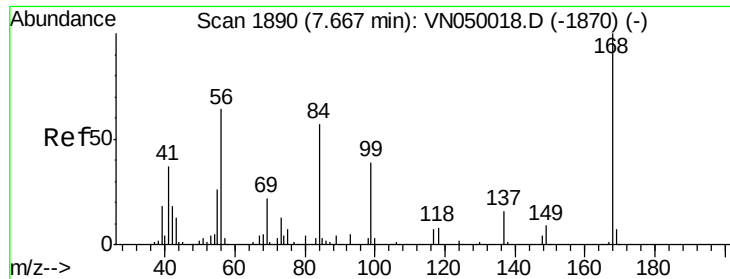
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	126701	17.50	ug/l	99
94) Hexachlorobutadiene	15.01	225	97811	20.54	ug/l	100
95) Naphthalene	15.14	128	235837	15.44	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	129802	17.65	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

Tot Ion:168 Resp: 665594

Ion Ratio Lower Upper

168 100

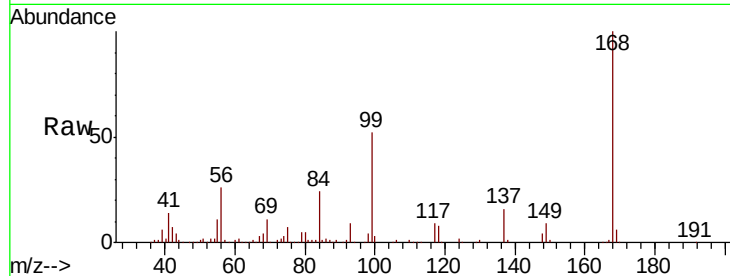
99 51.4 40.0 60.0

Manual Integrations

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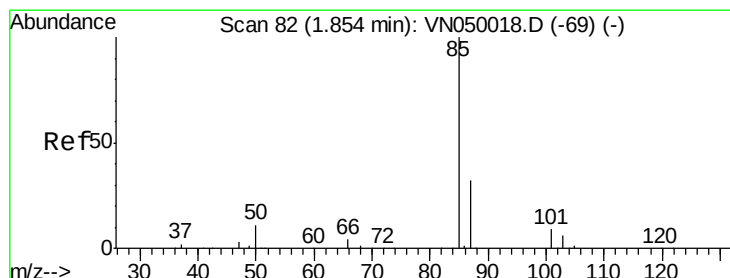
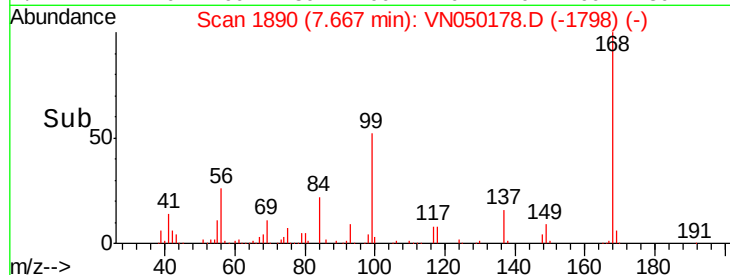
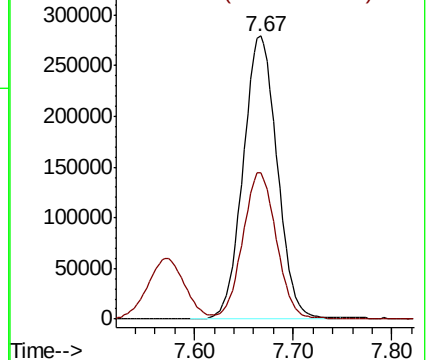
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.76 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050178.D

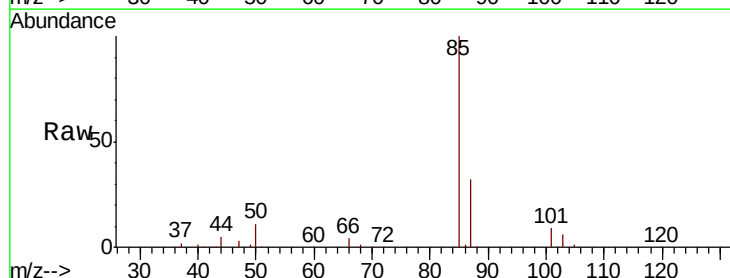
Acq: 30 Jul 2018 11:26

Tgt Ion: 85 Resp: 188997

Ion Ratio Lower Upper

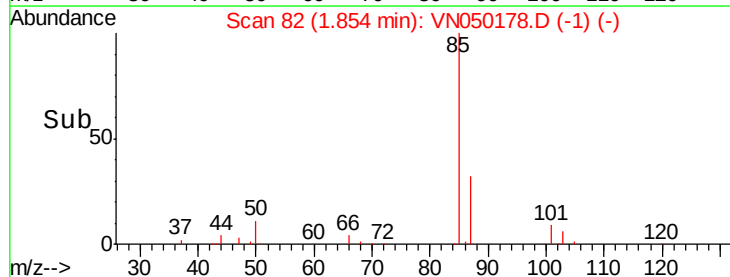
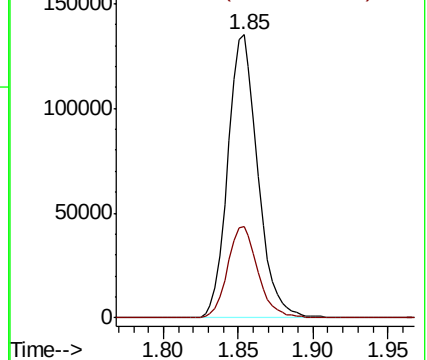
85 100

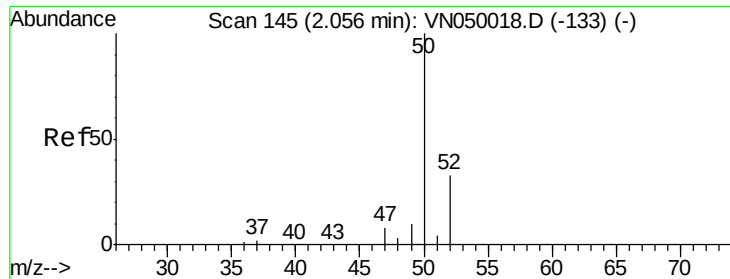
87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 16.91 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

Tot Ion: 50 Resp: 175765

Ion Ratio Lower Upper

50 100

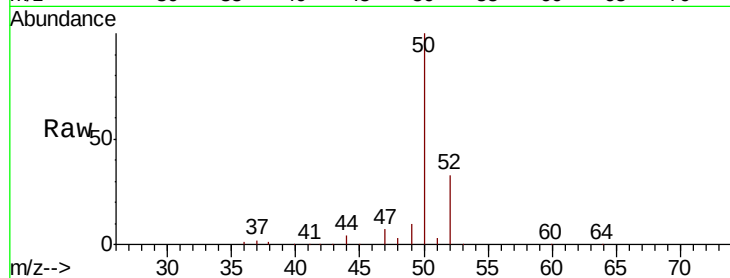
52 33.2 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

150000

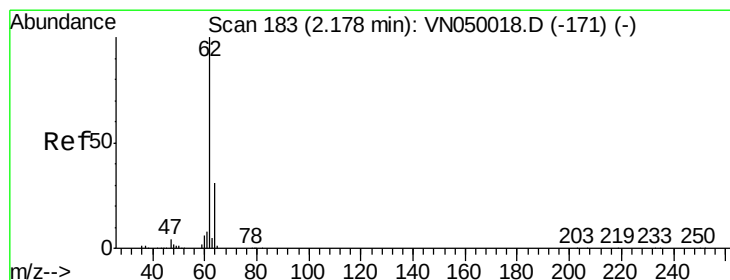
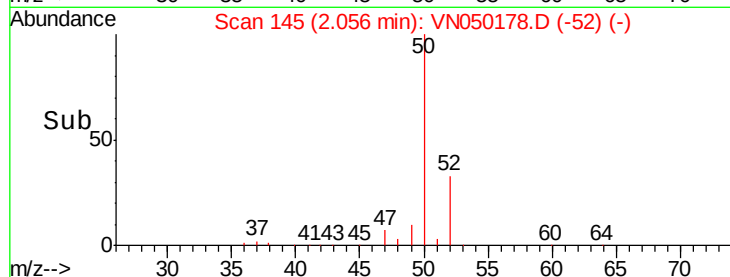
100000

50000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 17.35 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050178.D

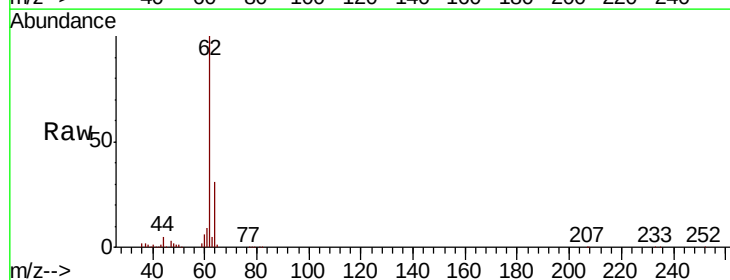
Acq: 30 Jul 2018 11:26

Tgt Ion: 62 Resp: 189885

Ion Ratio Lower Upper

62 100

64 31.5 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

150000

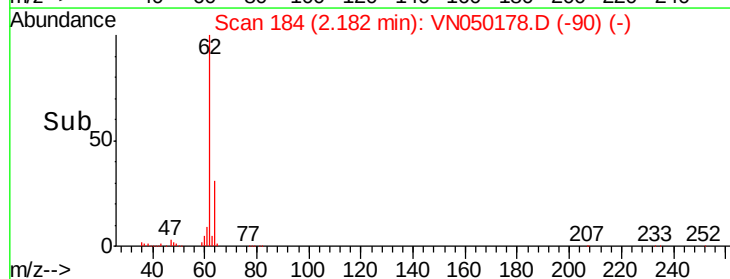
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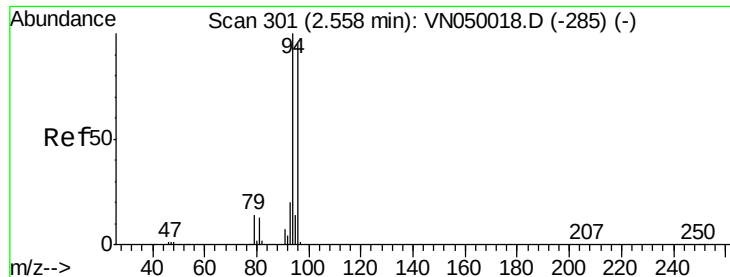
50000

0

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 10.70 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

Tot Ion: 94 Resp: 69855

Ion Ratio Lower Upper

94 100

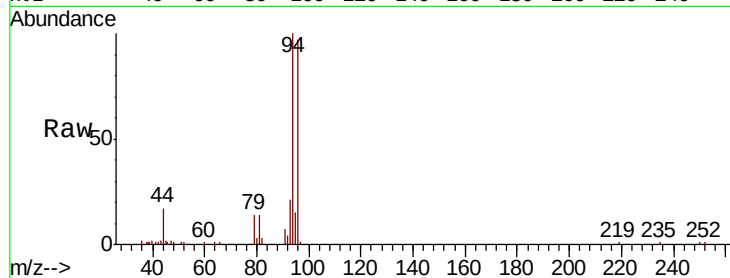
96 96.8 74.6 112.0

Manual Integrations

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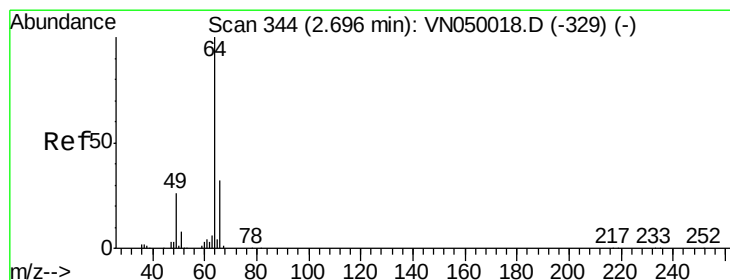
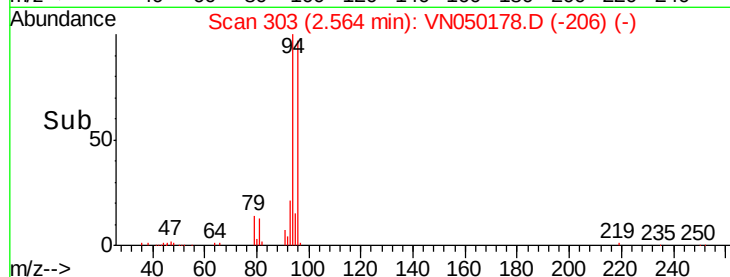
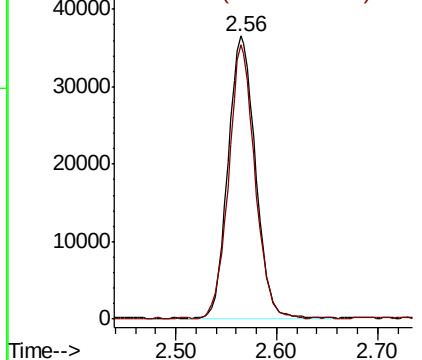
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.42 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050178.D

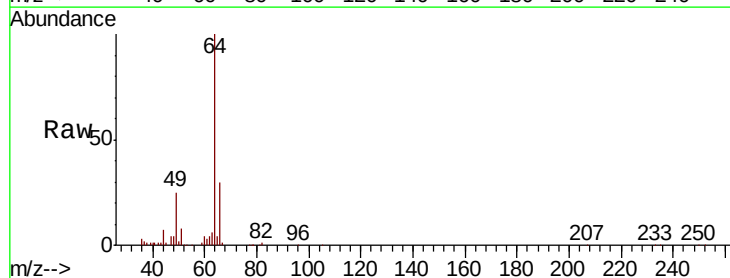
Acq: 30 Jul 2018 11:26

Tgt Ion: 64 Resp: 114548

Ion Ratio Lower Upper

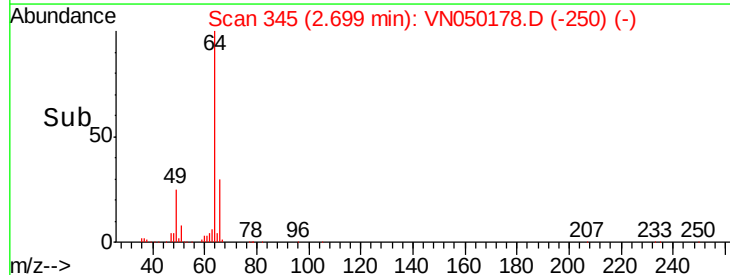
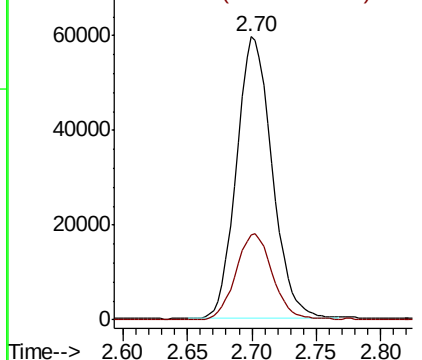
64 100

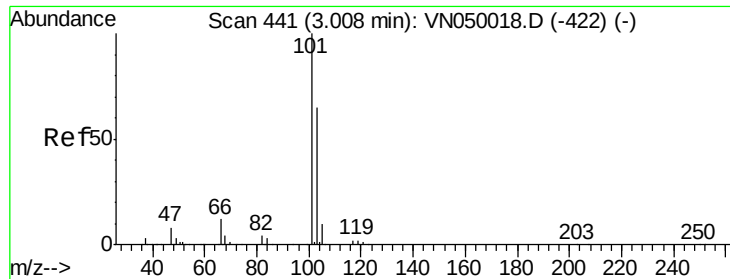
66 30.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

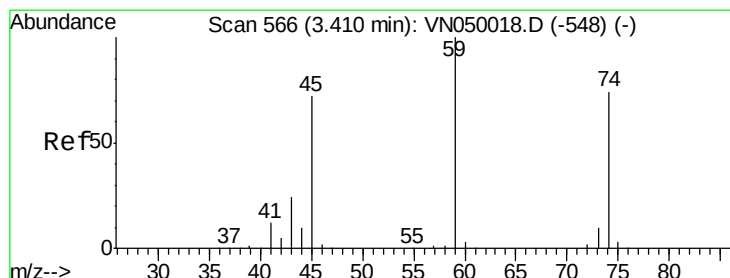
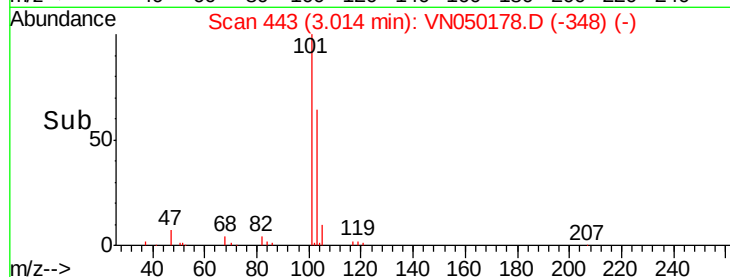
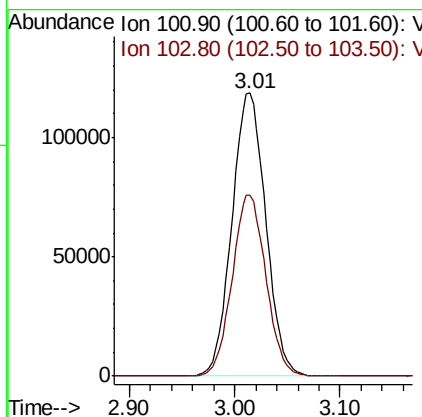
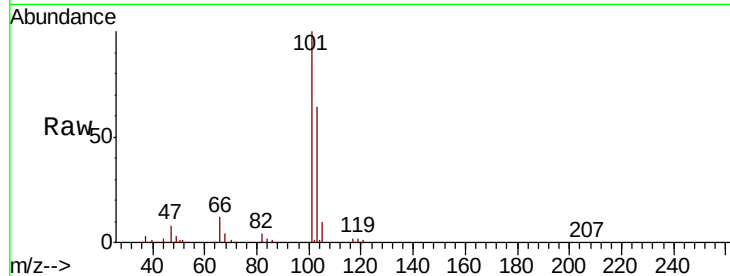
Trichlorofluoromethane
 Concen: 18.62 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Instrument :
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 ClientSampleId :
 VN0730WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.7	77.5

Manual Integrations
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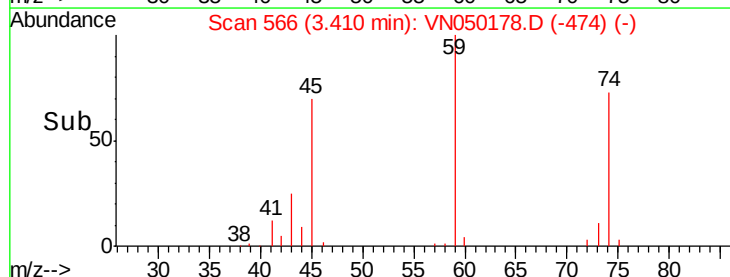
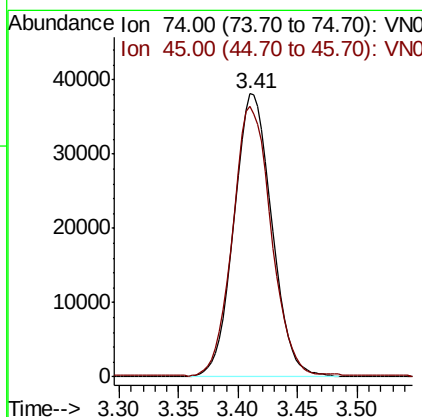
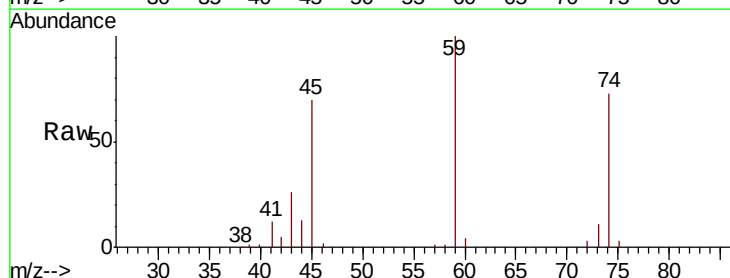
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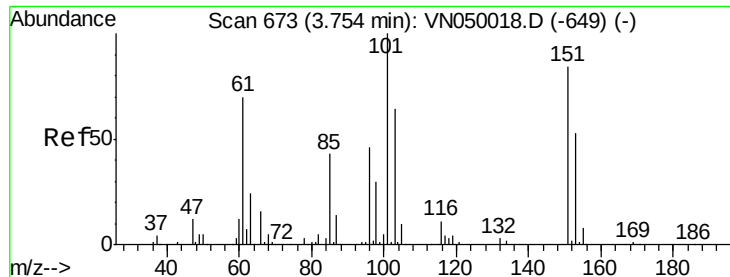


#8

Diethyl Ether
 Concen: 17.81 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	47.6	142.8





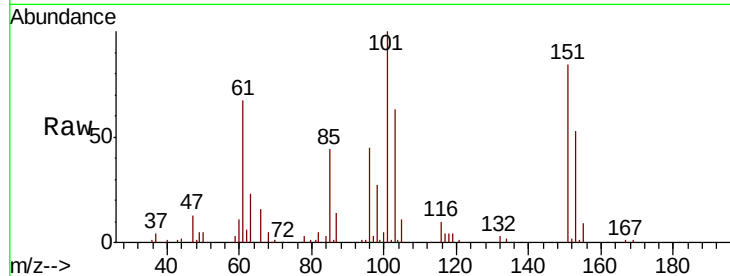
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.06 ug/l
RT: 3.76 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampled :
VN0730WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	162544		
85	43.9	34.2	51.2	
151	83.9	66.3	99.5	

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7/31/2018 3:20:17 PM

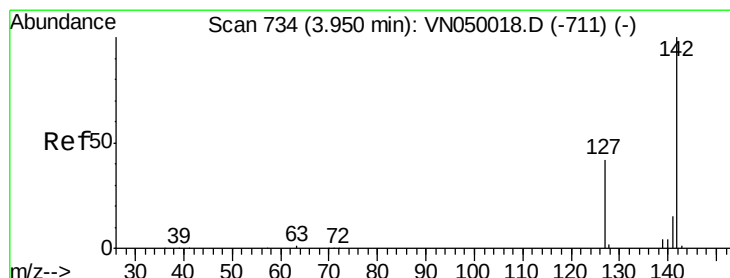
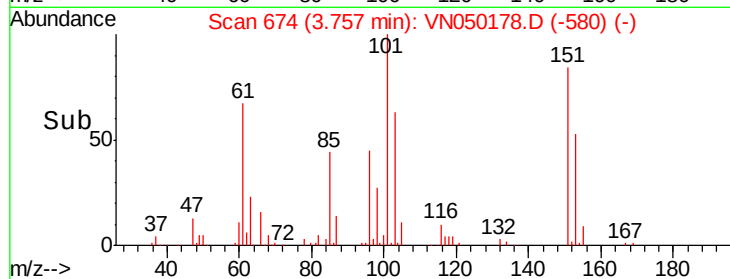
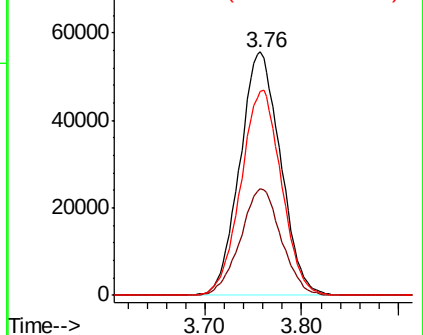


Abundance

Ion 100.90 (100.60 to 101.60): V

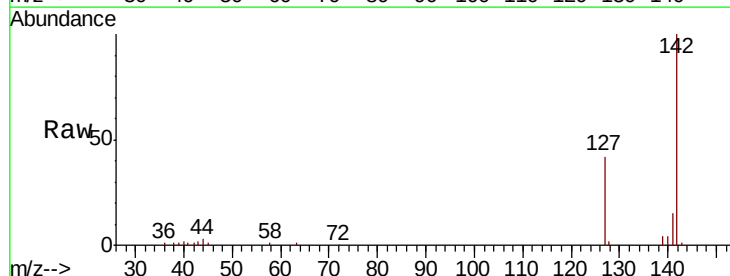
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 7.94 ug/l
RT: 3.95 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	86883		
127	41.4	33.4	50.2	
141	14.4	11.6	17.4	

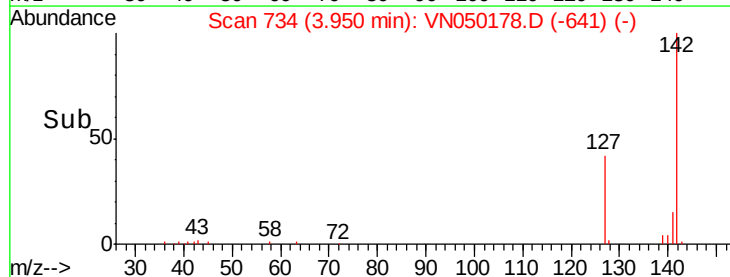
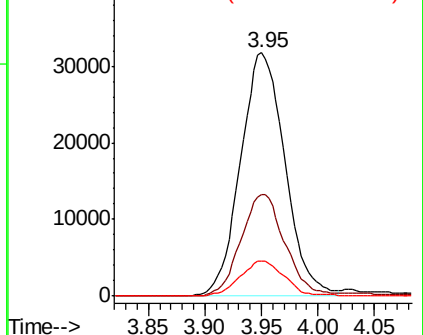


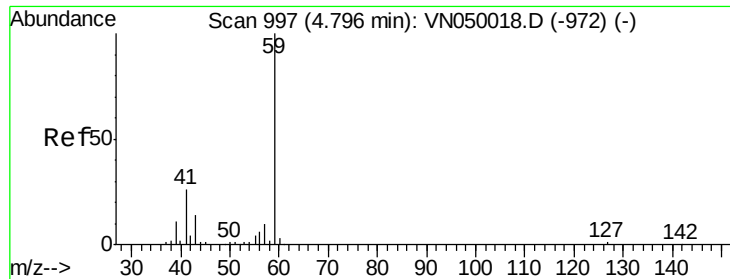
Abundance

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





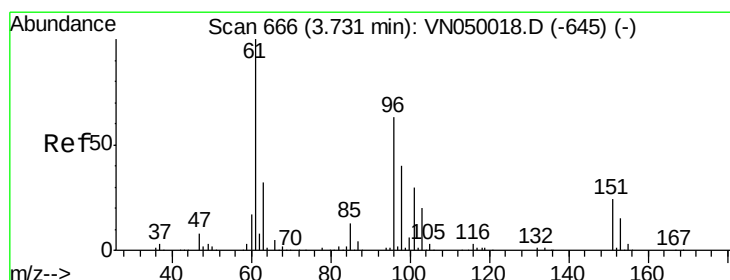
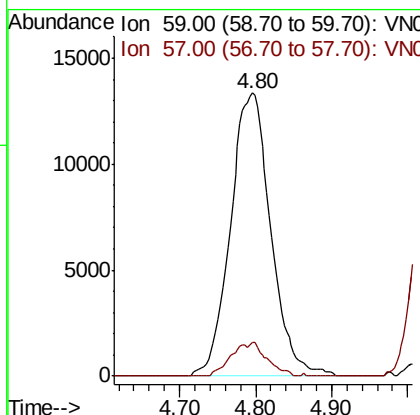
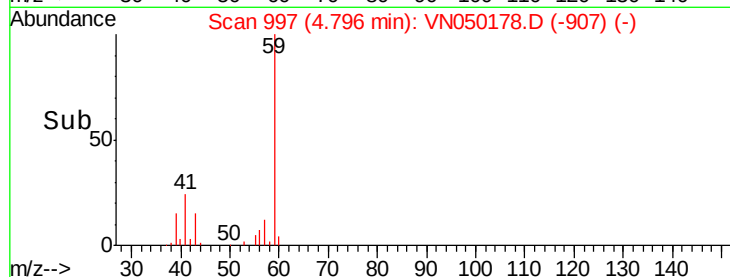
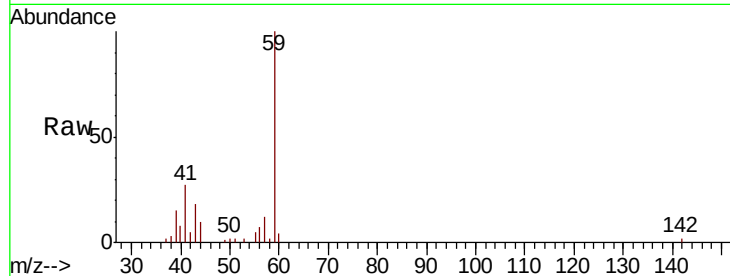
#11
Tert butyl alcohol
Concen: 71.96 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.01 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.2	8.5	12.7#

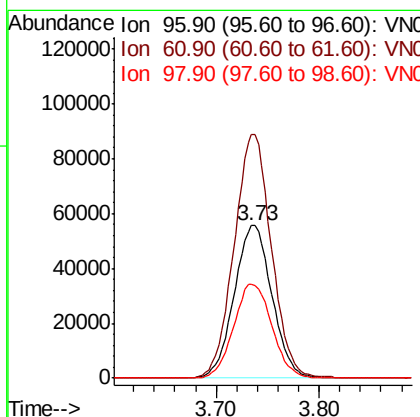
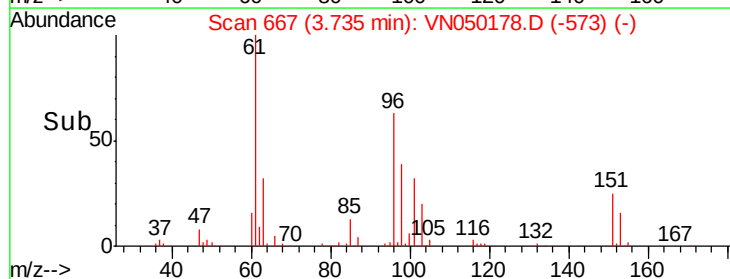
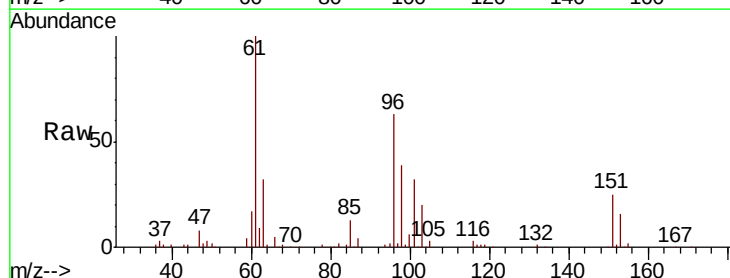
Manual Integrations
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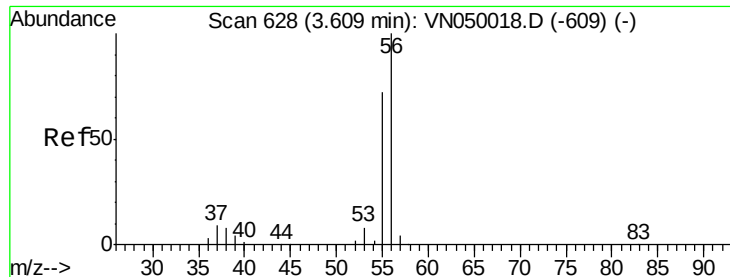
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.50 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.0	124.4	186.6
98	61.9	48.3	72.5





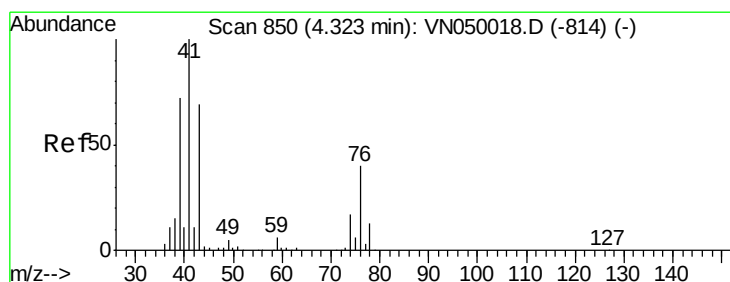
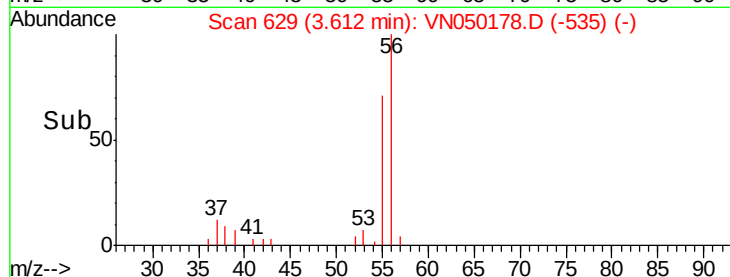
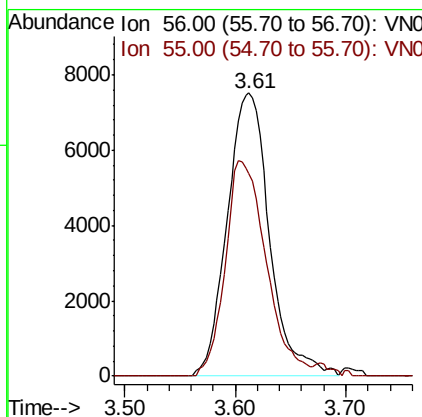
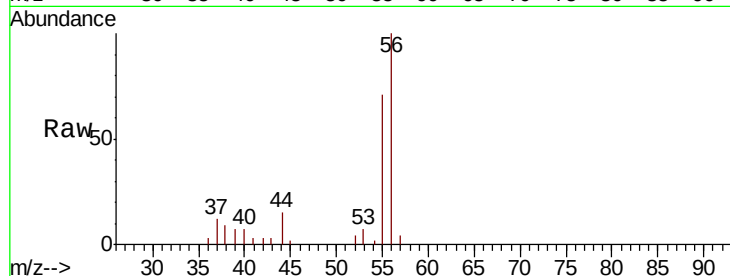
#13
 Acrolein
 Concen: 36.48 ug/l
 RT: 3.61 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.3	55.8	83.6

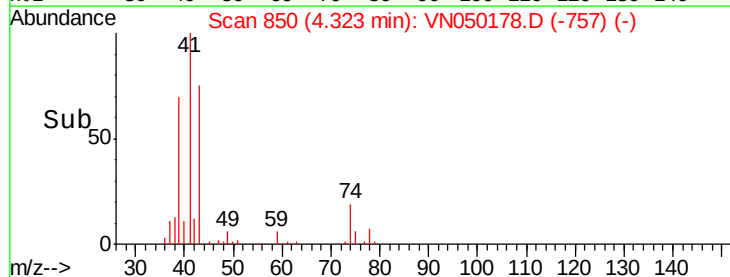
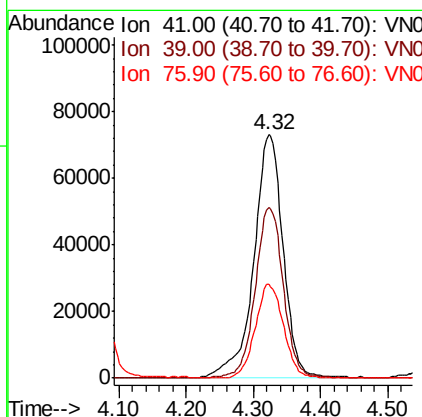
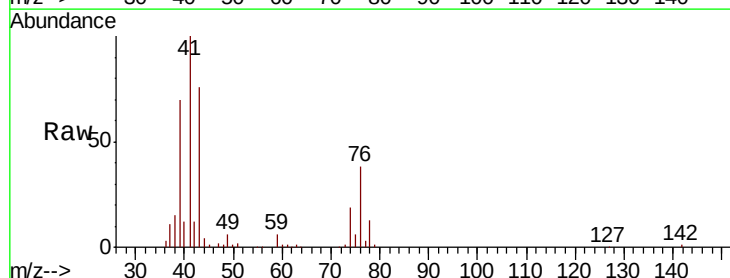
Manual Integrations
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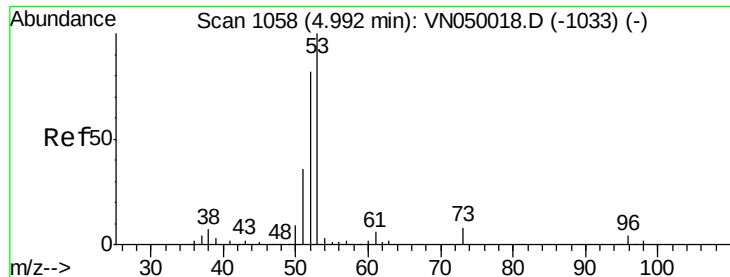
MMDadoda
 7/31/2018 3:20:17 PM



#14
 Allyl chloride
 Concen: 18.60 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.4	54.2	81.4
76	37.1	29.0	43.6





#15

Acrylonitrile

Concen: 81.06 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

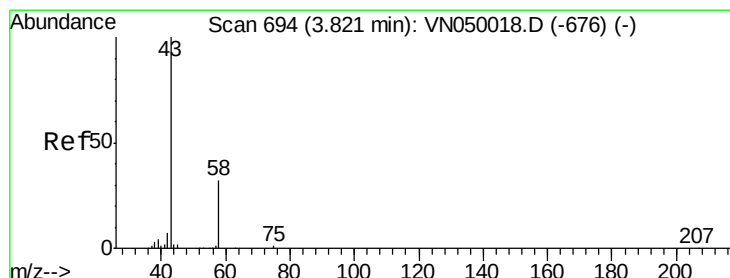
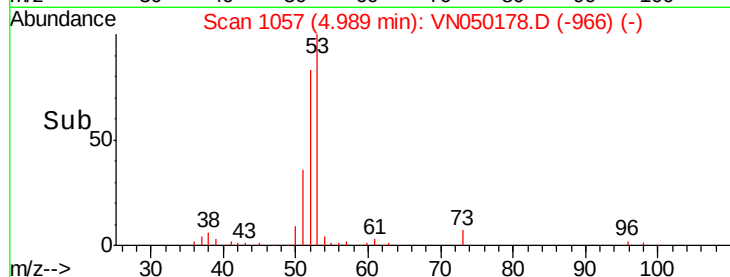
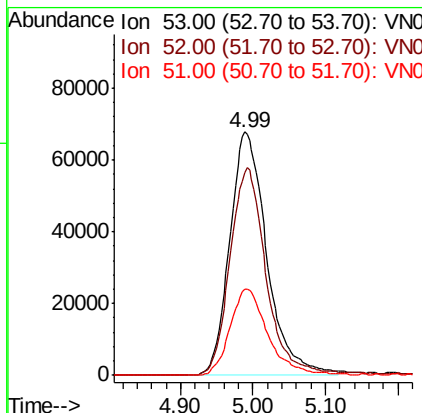
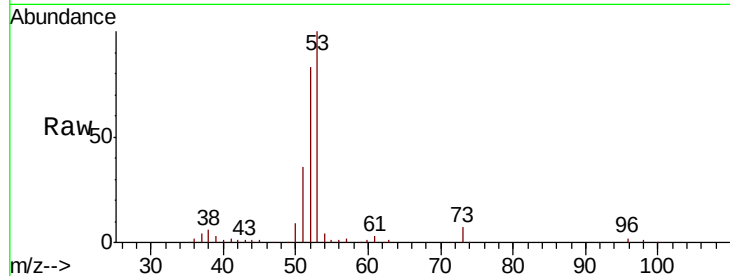
ClientSampleId :

VN0730WBS01

Tot Ion:	53	Resp:	241661
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	36.2	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 92.24 ug/l

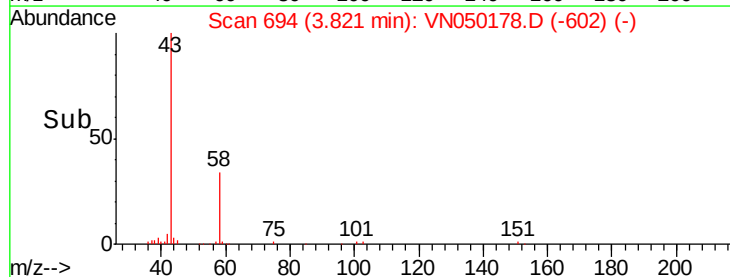
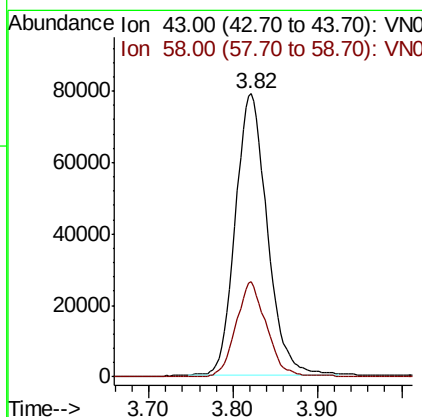
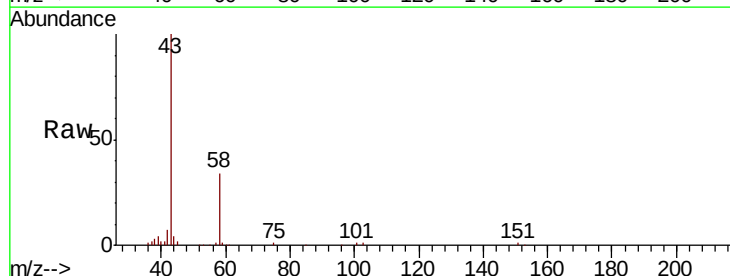
RT: 3.82 min Scan# 694

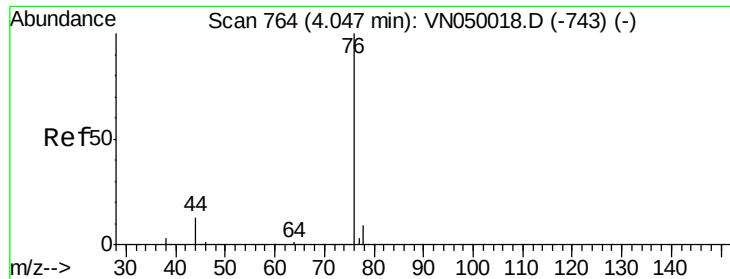
Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Tgt Ion:	43	Resp:	207769
Ion	Ratio	Lower	Upper
43	100		
58	33.6	25.8	38.8





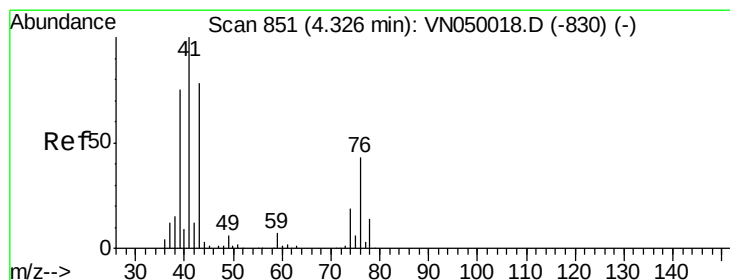
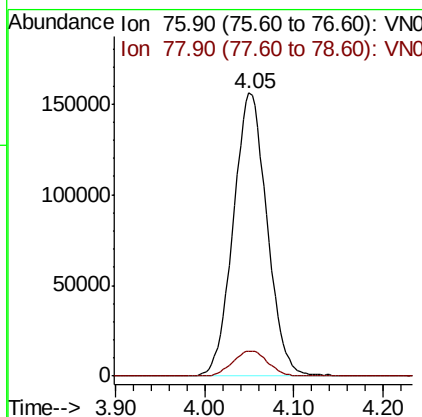
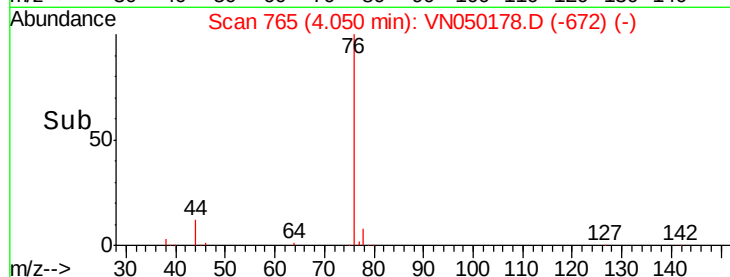
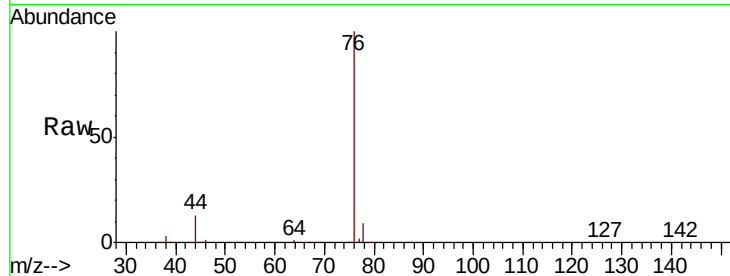
#17
Carbon Disulfide
Concen: 17.41 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

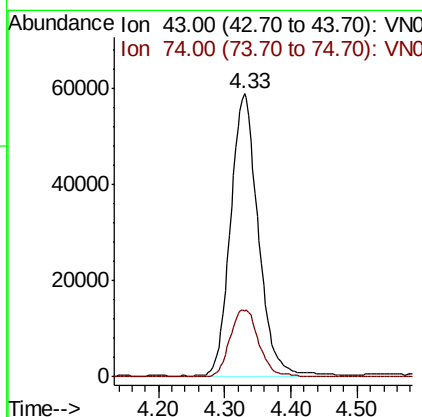
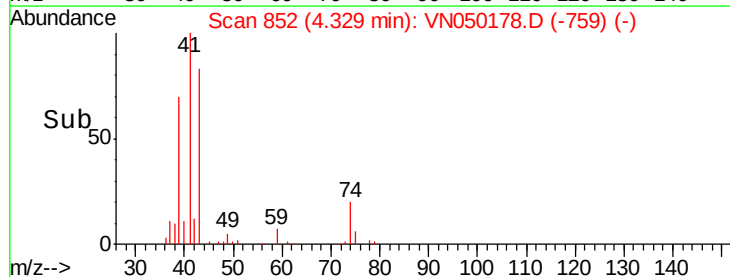
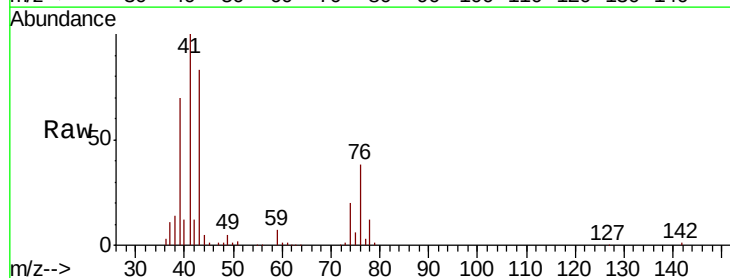
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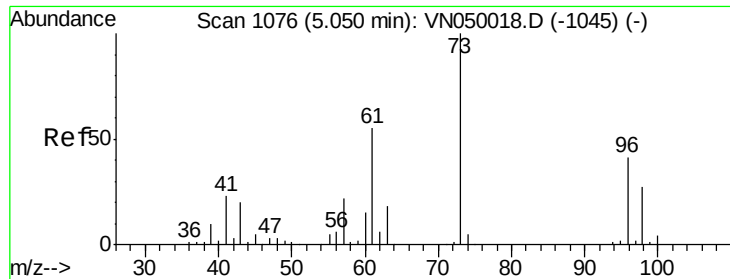
MMDadoda
7/31/2018 3:20:17 PM



#18
Methyl Acetate
Concen: 18.99 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.2	28.8





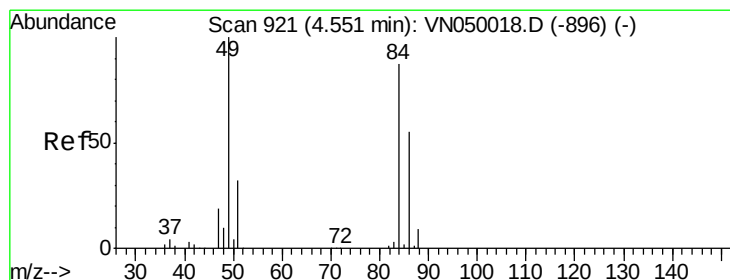
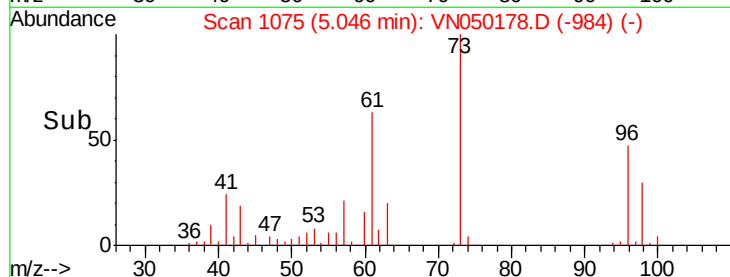
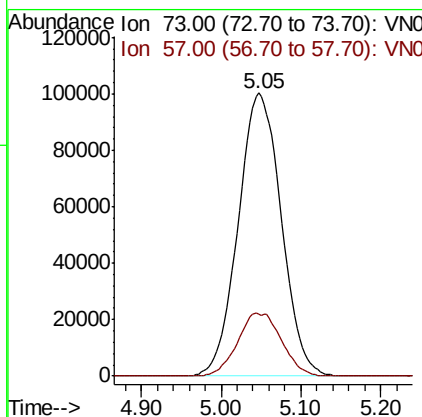
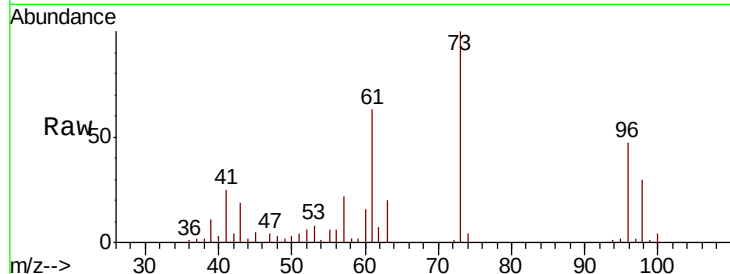
#19
Methyl tert-butyl Ether
Concen: 17.96 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

Tot Ion: 73 Resp: 367216
Ion Ratio Lower Upper
73 100
57 21.8 18.0 27.0

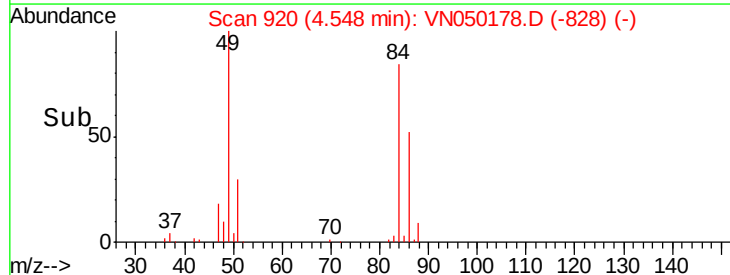
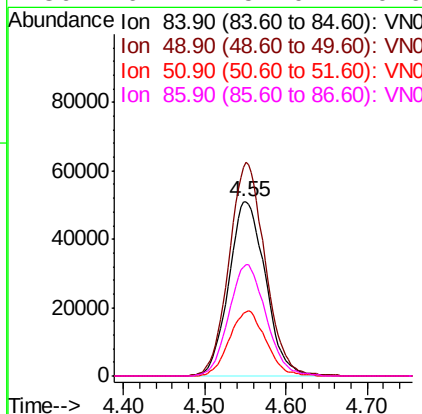
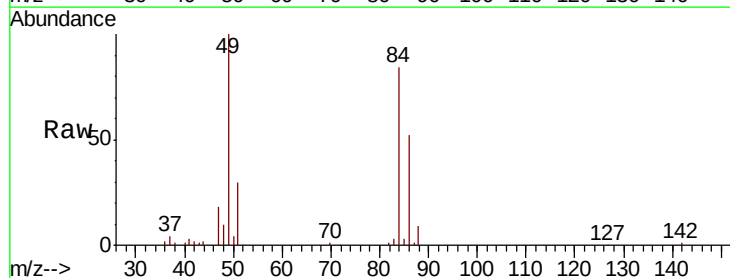
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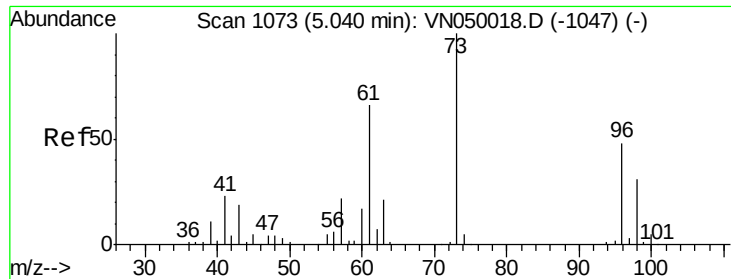
MMDadoda
7/31/2018 3:20:17 PM



#20
Methylene Chloride
Concen: 18.65 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion: 84 Resp: 160058
Ion Ratio Lower Upper
84 100
49 119.6 94.8 142.2
51 35.7 28.3 42.5
86 62.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.39 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

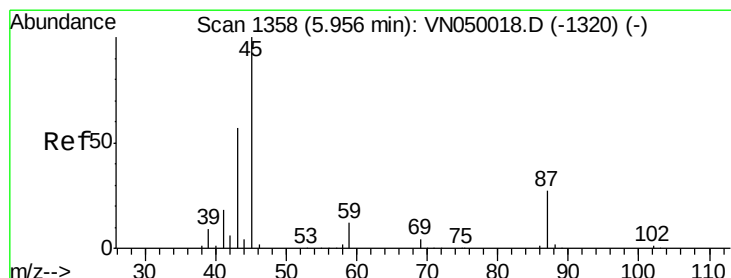
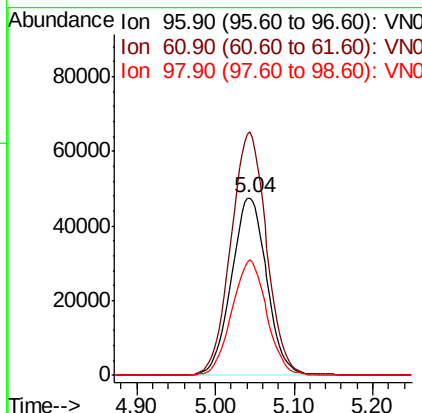
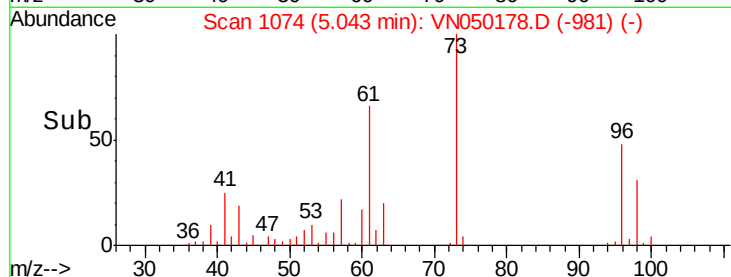
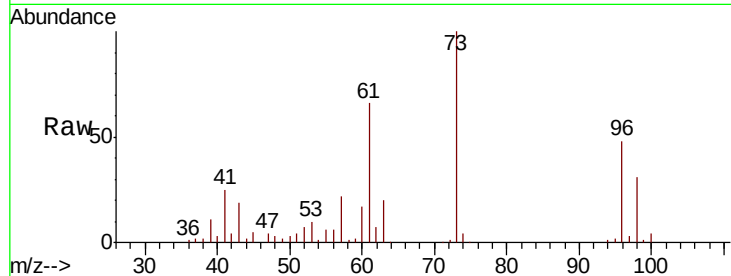
ClientSampled :

VN0730WBS01

Tot Ion:	96	Resp:	149498
Ion	Ratio	Lower	Upper
96	100		
61	137.5	110.7	166.1
98	65.0	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.75 ug/l

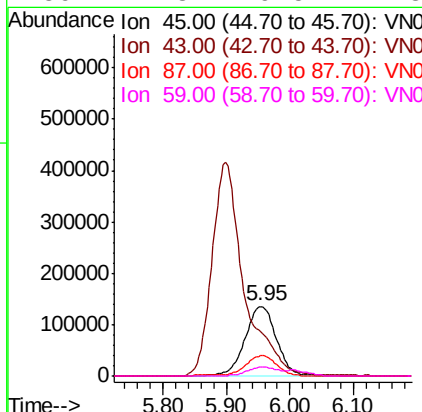
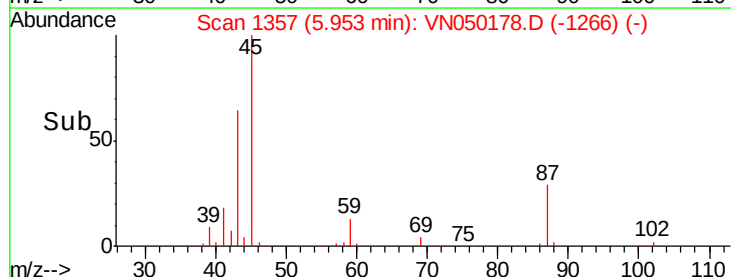
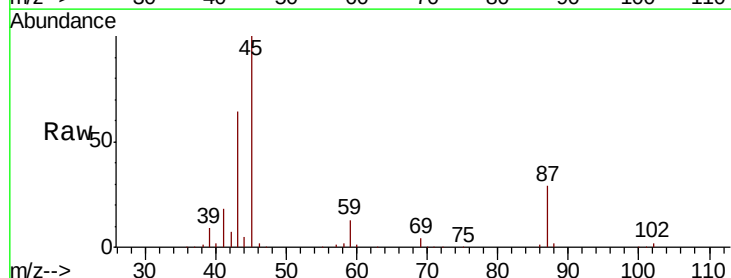
RT: 5.95 min Scan# 1357

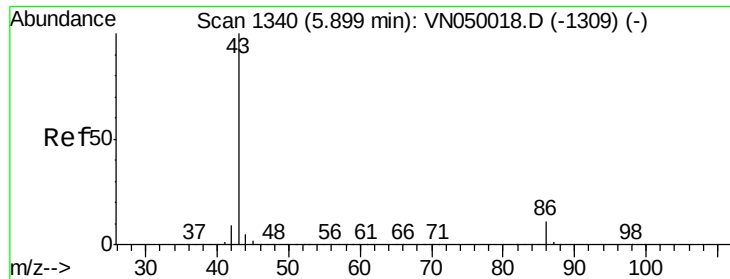
Delta R.T. -0.01 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Tgt Ion:	45	Resp:	465841
Ion	Ratio	Lower	Upper
45	100		
43	62.4	45.7	68.5
87	29.3	22.7	34.1
59	12.8	9.5	14.3





#23

Vinyl Acetate

Concen: 87.37 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

Tot Ion: 43 Resp: 1456267

Ion Ratio Lower Upper

43 100

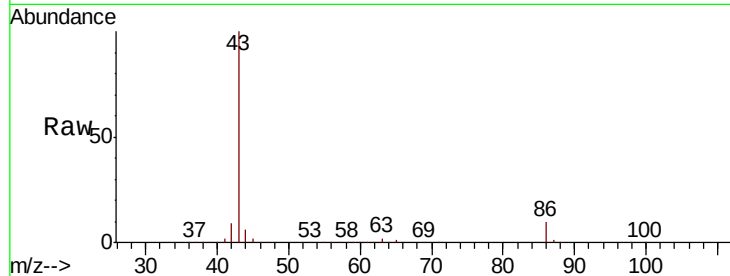
86 10.5 8.6 13.0

Manual Integrations

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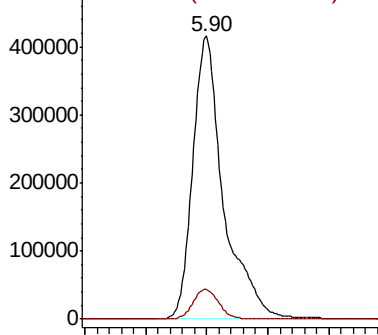
MMDadoda

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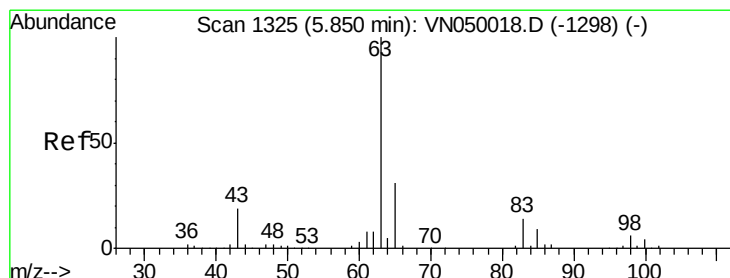
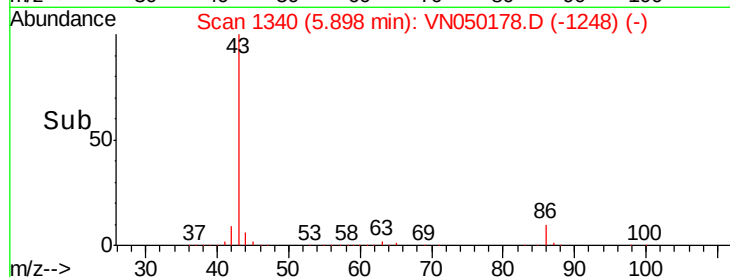


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 18.74 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

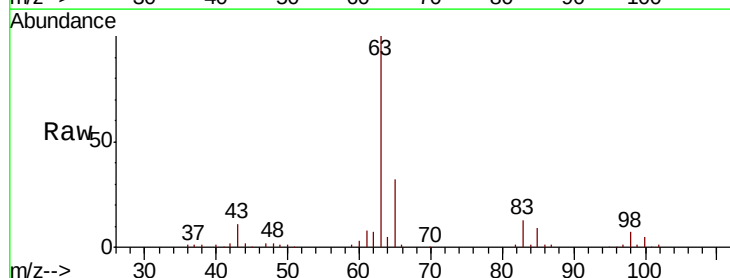
Tgt Ion: 63 Resp: 288959

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

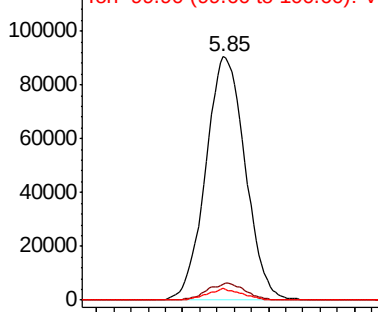
100 4.7 2.1 6.3



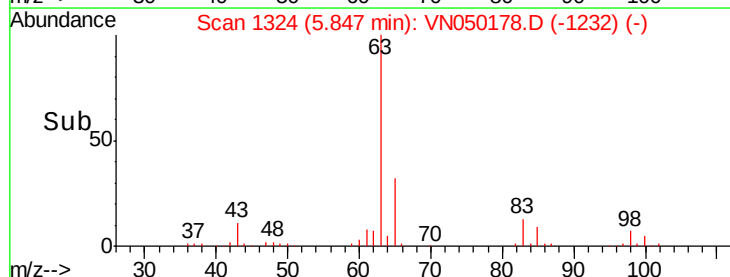
Abundance Ion 62.90 (62.60 to 63.60): VN0

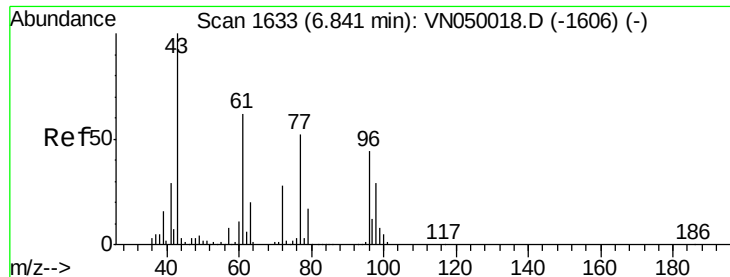
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 83.37 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.01 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

Tot Ion: 43 Resp: 295325

Ion Ratio Lower Upper

43 100

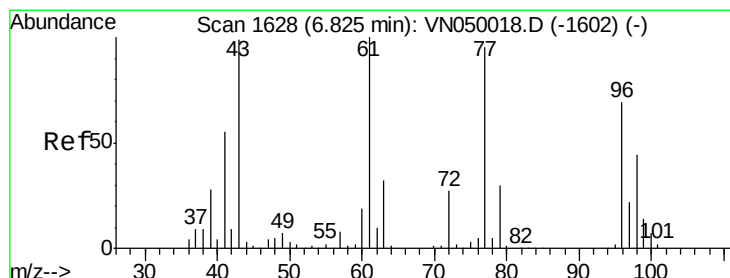
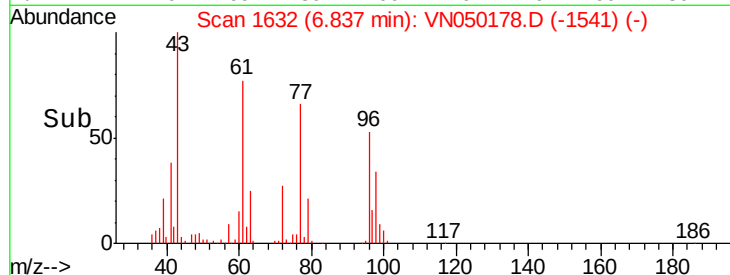
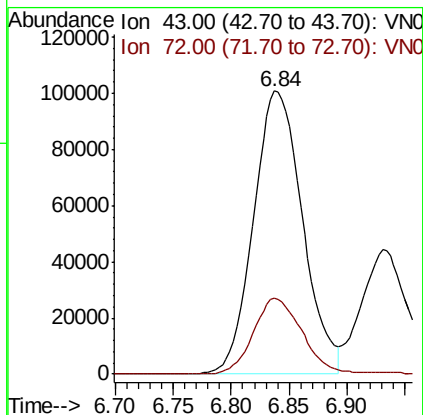
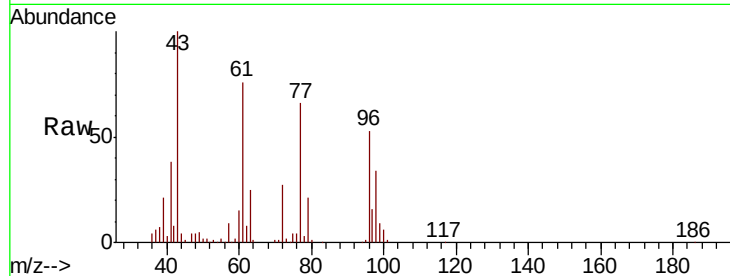
72 26.9 21.5 32.3

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 20.74 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050178.D

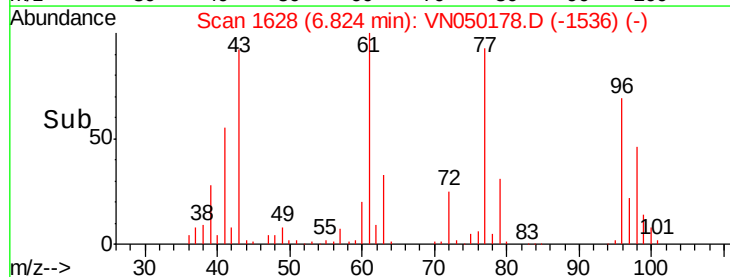
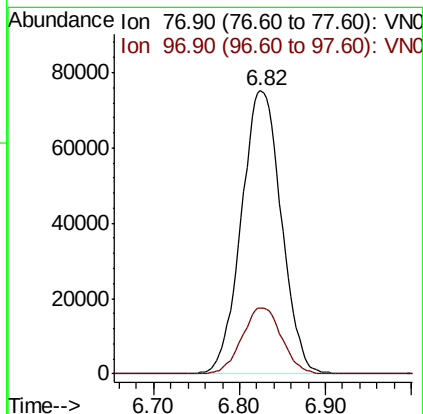
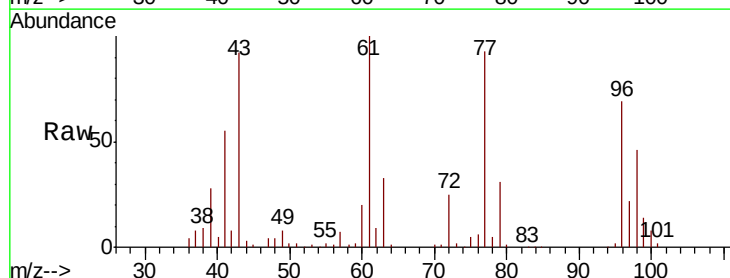
Acq: 30 Jul 2018 11:26

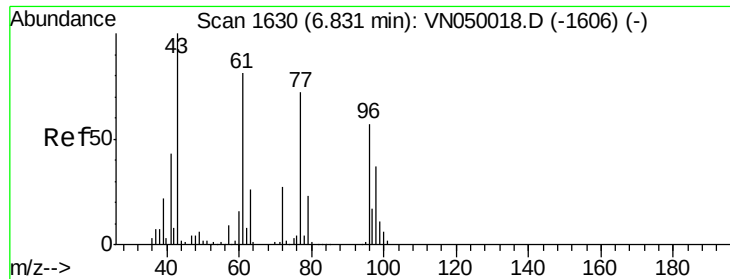
Tgt Ion: 77 Resp: 243372

Ion Ratio Lower Upper

77 100

97 23.2 11.8 35.3





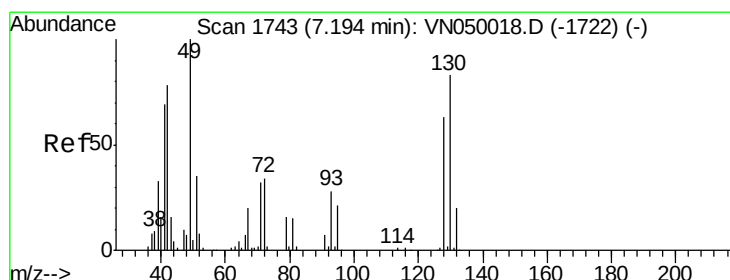
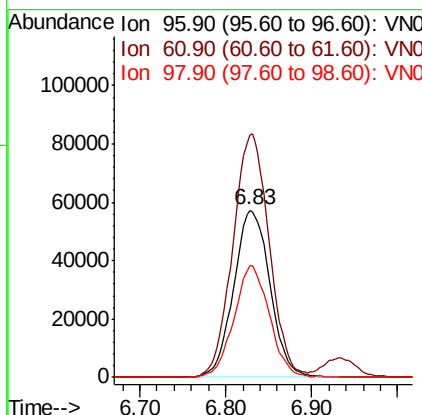
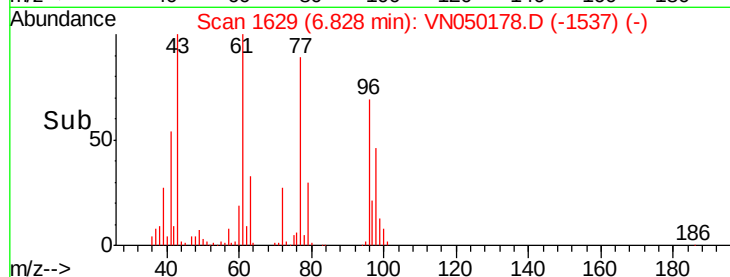
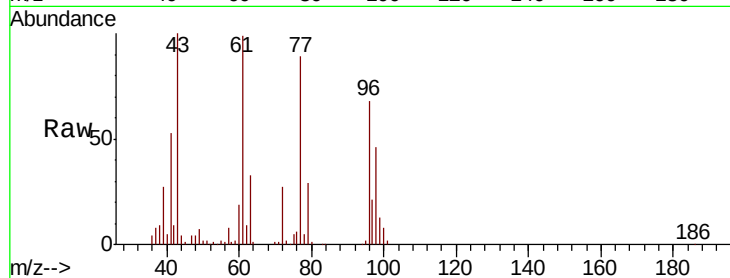
#27
 cis-1,2-Dichloroethene
 Concen: 19.19 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	285.0
98	65.1	0.0	129.2

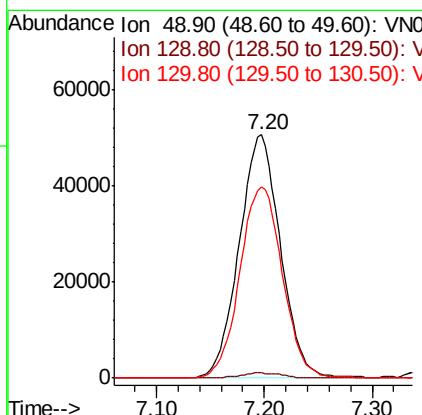
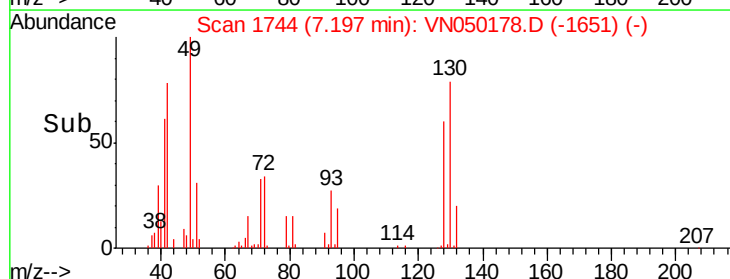
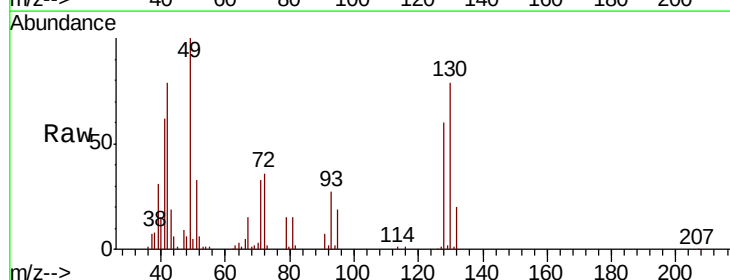
Manual Integrations
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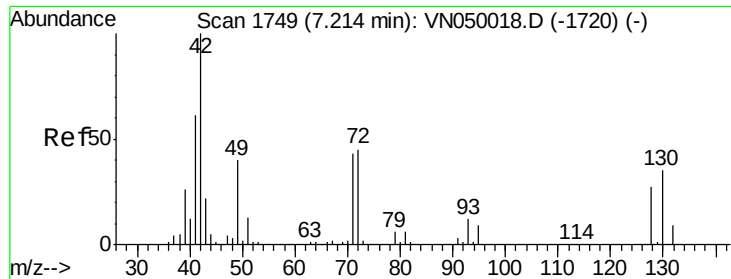
MMDadoda
 7/31/2018 3:20:17 PM



#28
 Bromochloromethane
 Concen: 19.07 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	81.1	66.3	99.5





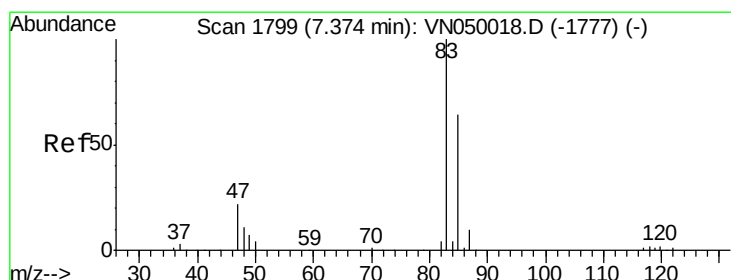
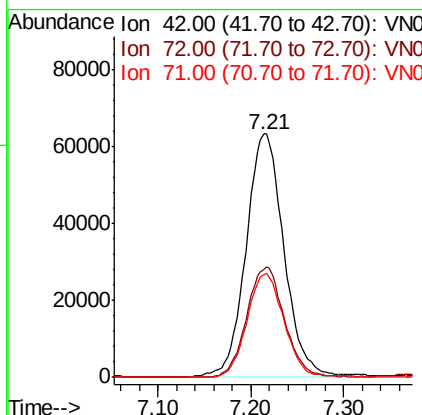
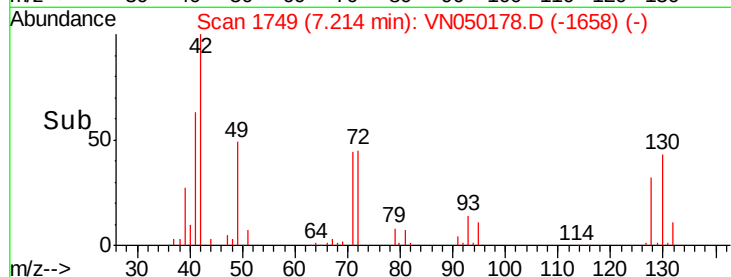
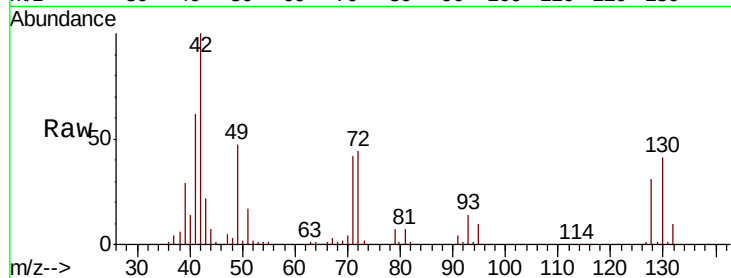
#29
Tetrahydrofuran
Concen: 77.77 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.9	53.9
71	42.0	33.7	50.5

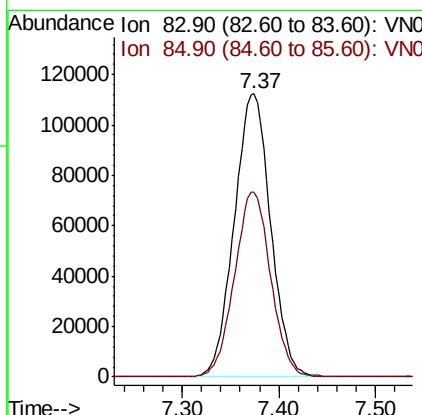
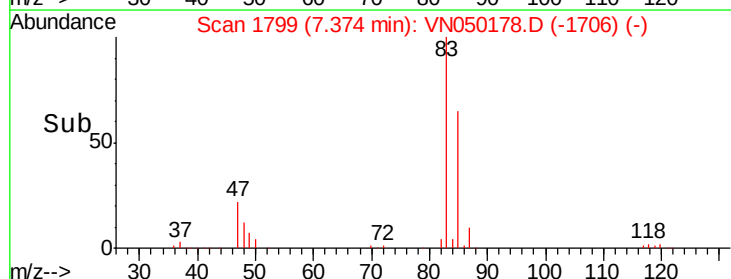
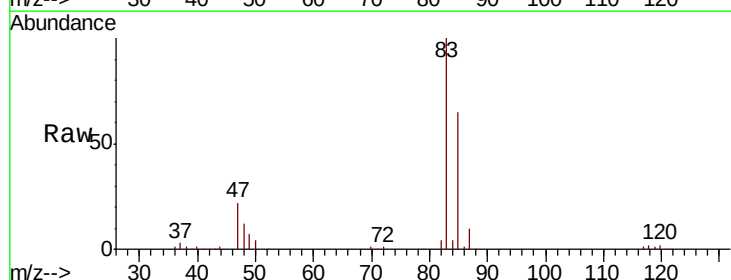
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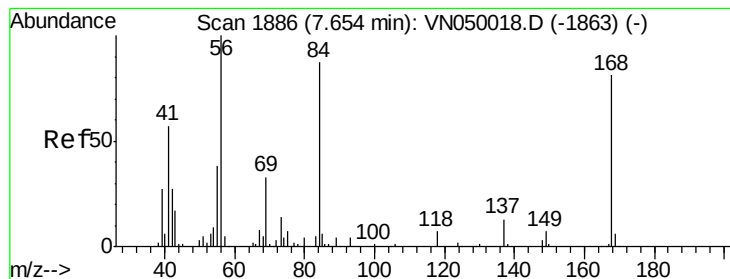
MMDadoda
7/31/2018 3:20:17 PM



#30
Chloroform
Concen: 18.65 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.5	78.7





#31

Cyclohexane

Concen: 19.28 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

Tot Ion: 56 Resp: 247165

Ion Ratio Lower Upper

56 100

69 35.0 26.2 39.4

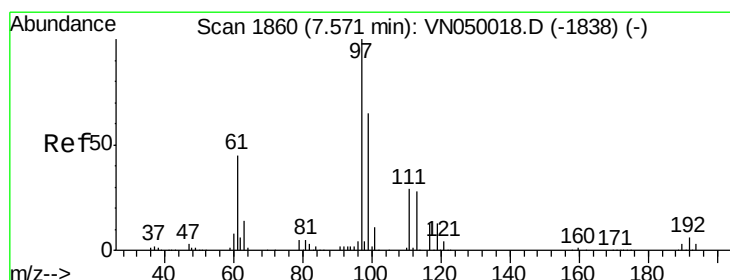
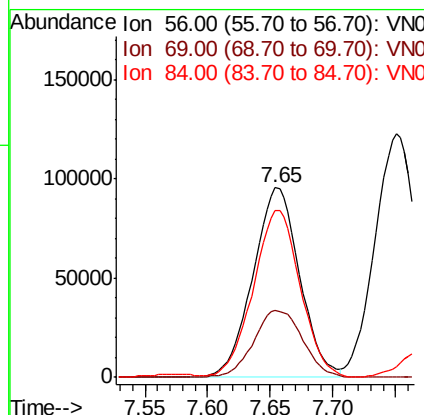
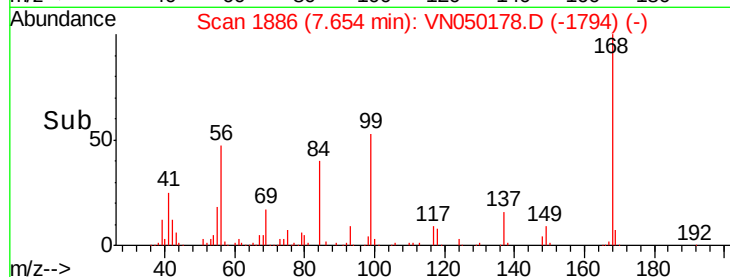
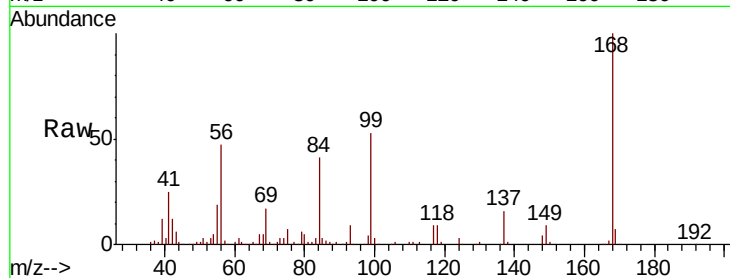
84 86.8 67.4 101.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 18.35 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

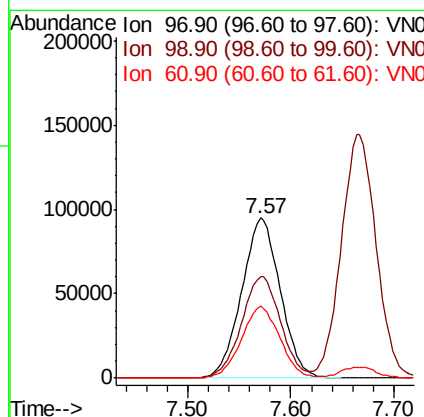
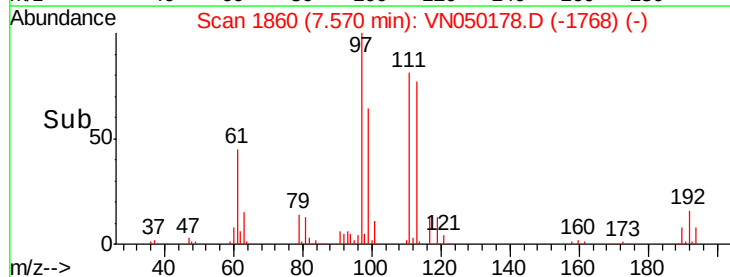
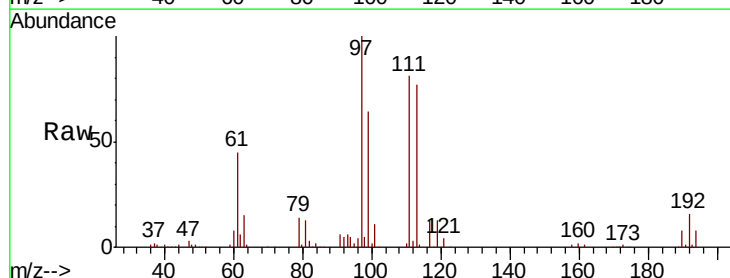
Tgt Ion: 97 Resp: 246977

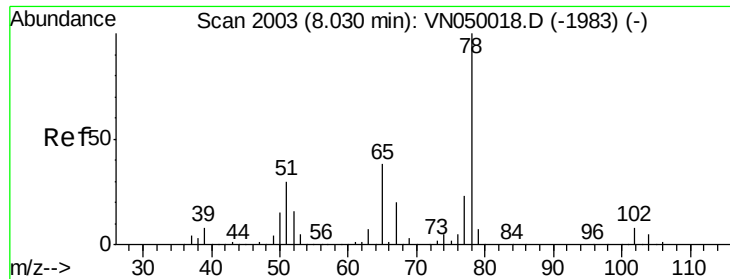
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 44.8 35.4 53.0





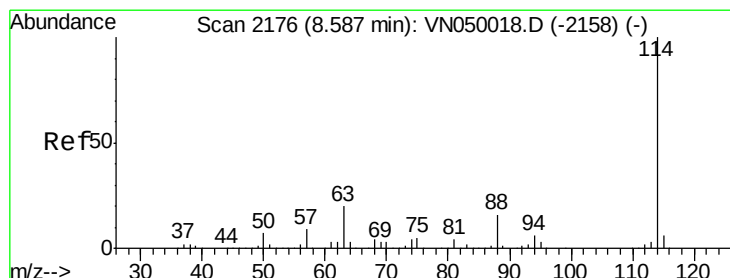
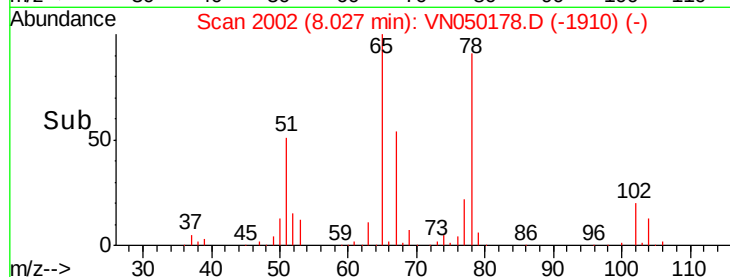
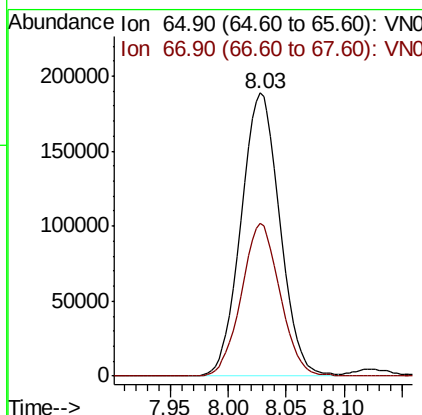
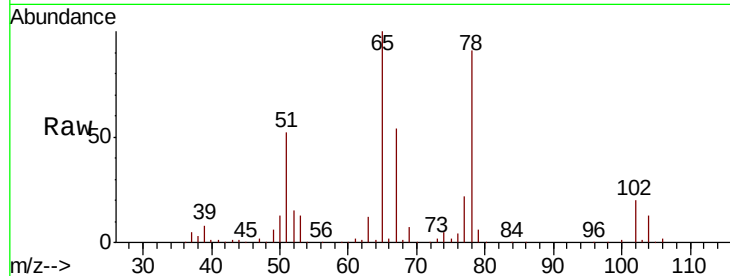
#33
 1,2-Dichloroethane-d4
 Concen: 47.38 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	108.4	

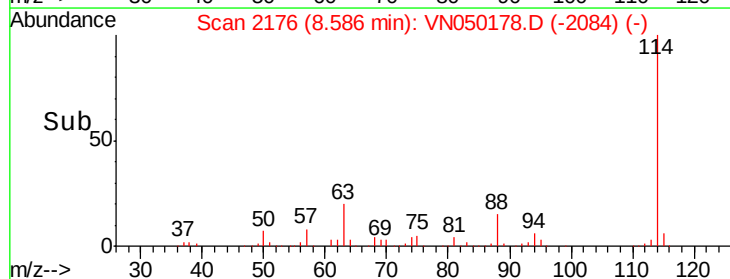
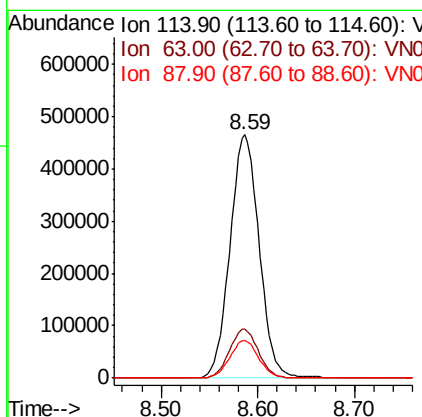
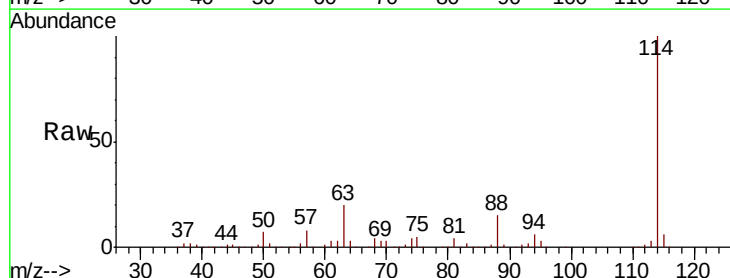
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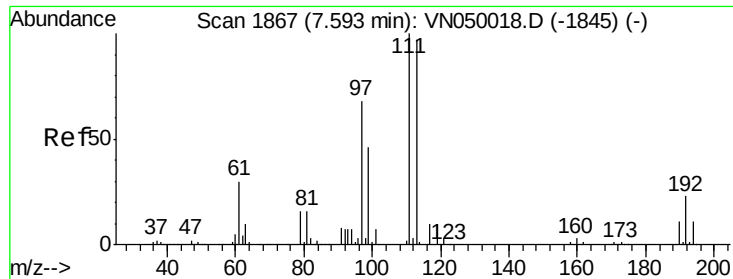
MMDadoda
 7/31/2018 3:20:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	40.0	
88	15.4	0.0	31.2	





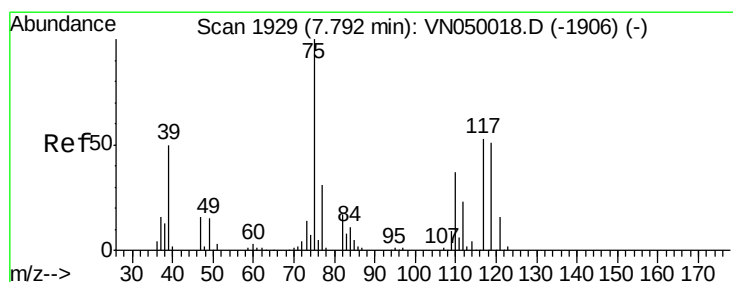
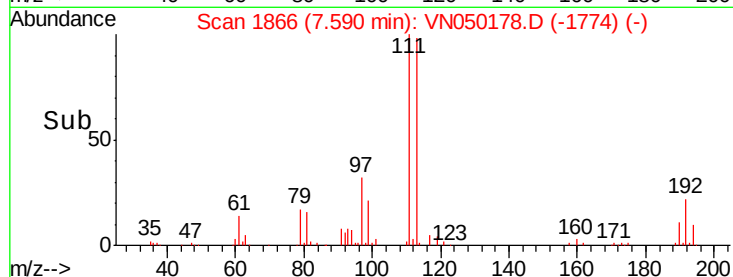
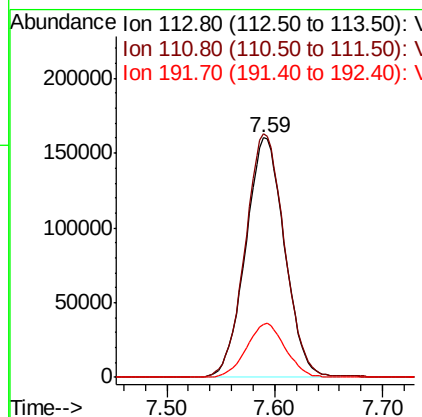
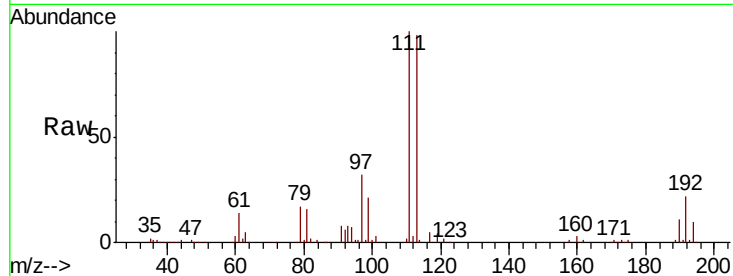
#35
Dibromofluoromethane
Concen: 50.42 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.3	80.7	121.1	
192	22.4	17.8	26.6	

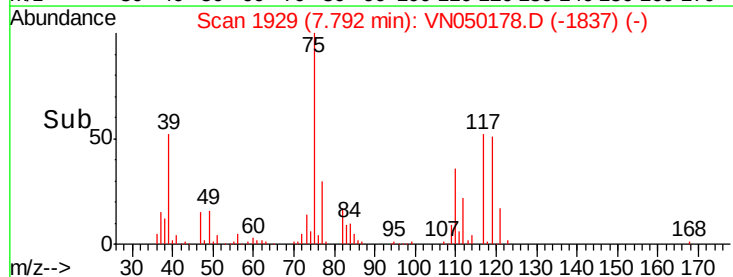
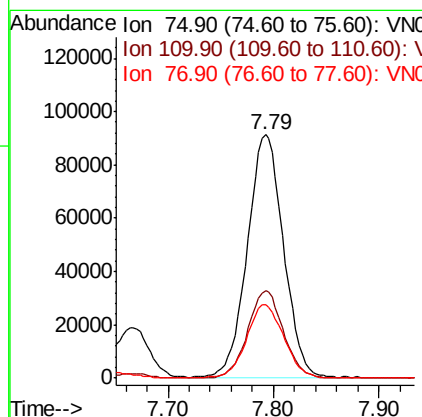
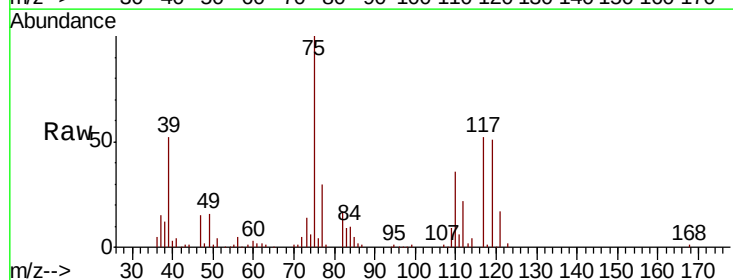
Manual Integrations
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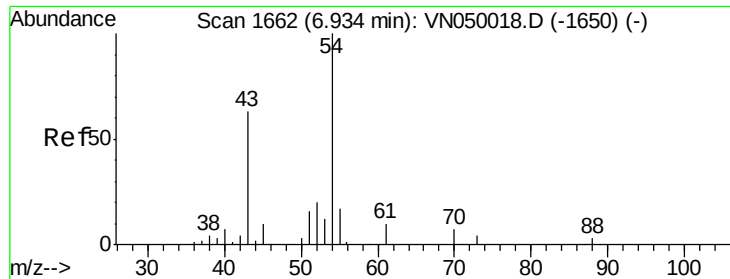
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.75 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.7	18.4	55.2	
77	31.4	25.3	37.9	





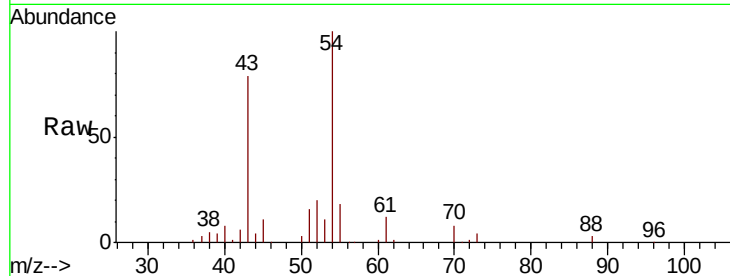
#37
Ethyl Acetate
Concen: 15.80 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampled :
VN0730WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.8	17.8
70	10.6	8.4	12.6

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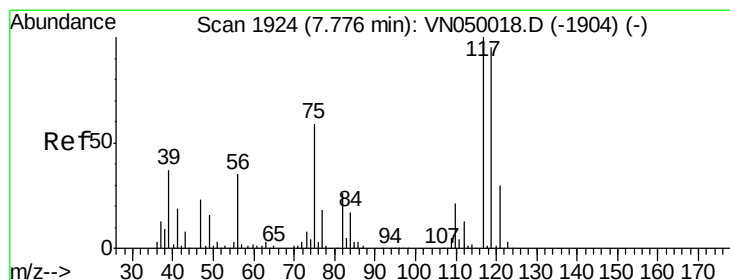
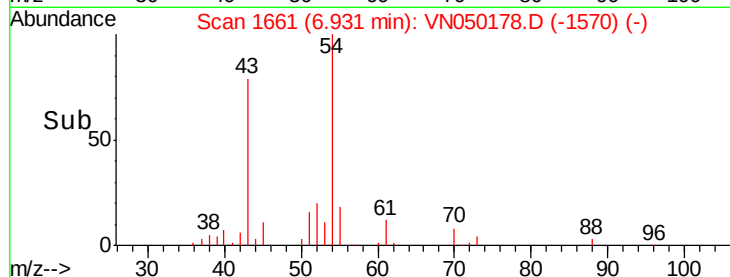
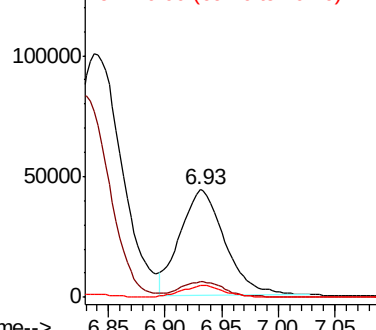


Abundance

Ion 43.00 (42.70 to 43.70): VN050018.D (-1650) (-)

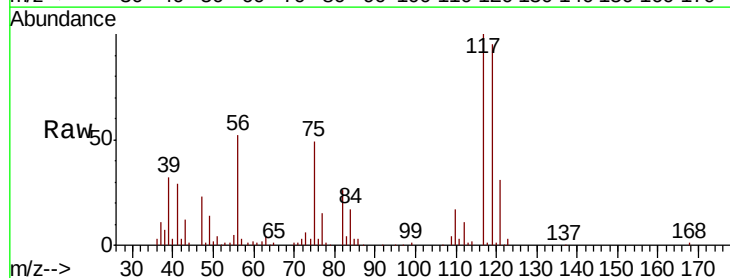
Ion 60.90 (60.60 to 61.60): VN050018.D (-1650) (-)

Ion 70.00 (69.70 to 70.70): VN050018.D (-1650) (-)



#38
Carbon Tetrachloride
Concen: 18.99 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.4	116.0
121	30.9	23.9	35.9

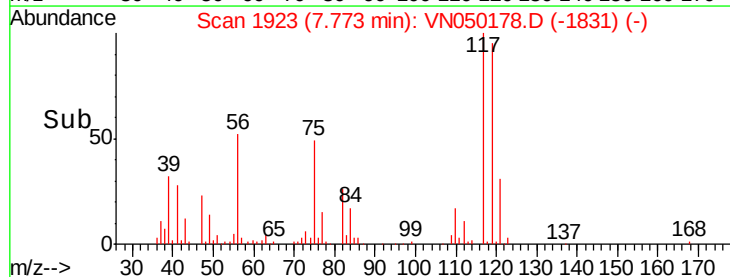
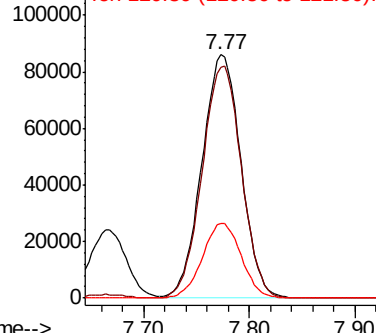


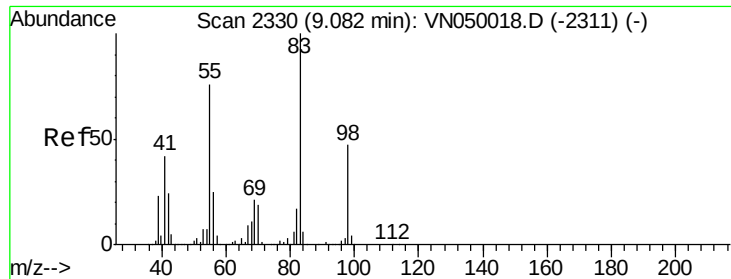
Abundance

Ion 116.80 (116.50 to 117.50): VN050018.D (-1904) (-)

Ion 118.80 (118.50 to 119.50): VN050018.D (-1904) (-)

Ion 120.80 (120.50 to 121.50): VN050018.D (-1904) (-)





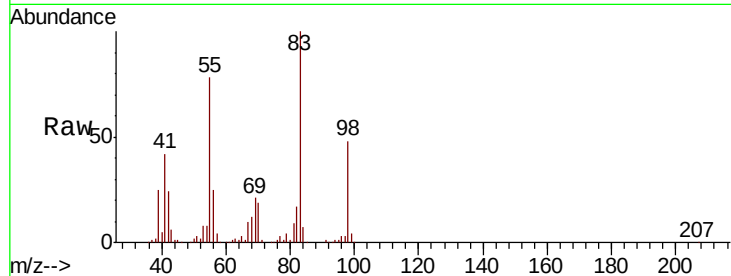
#39
Methylvlcyclohexane
Concen: 19.90 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	224990		
55	77.9		61.8	92.8
98	47.9		36.5	54.7

Manual Integrations
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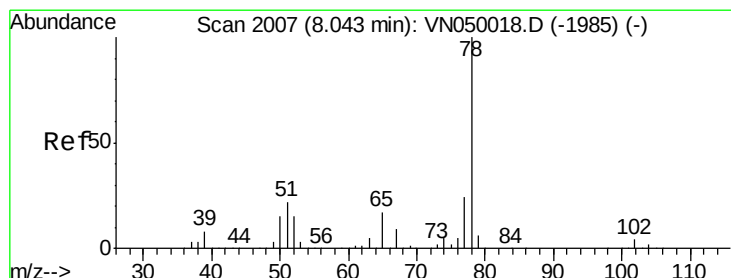
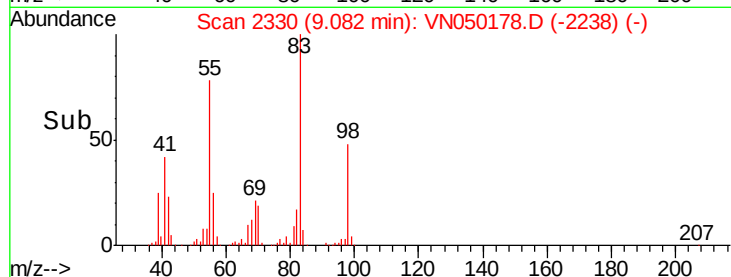
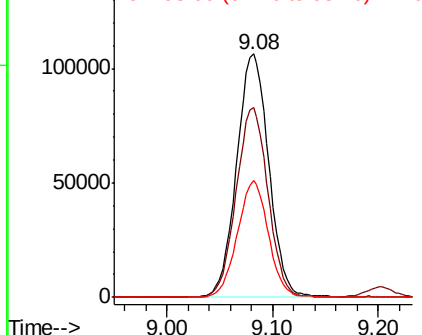


Abundance

Ion 83.00 (82.70 to 83.70): VN0

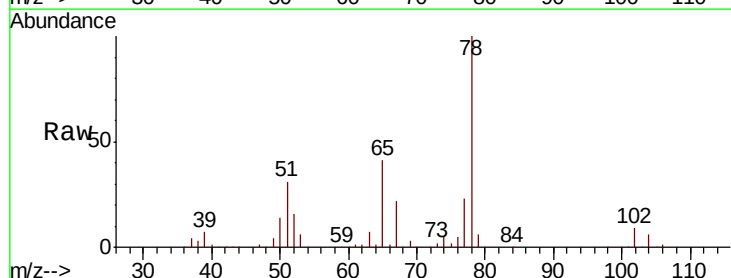
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 19.39 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

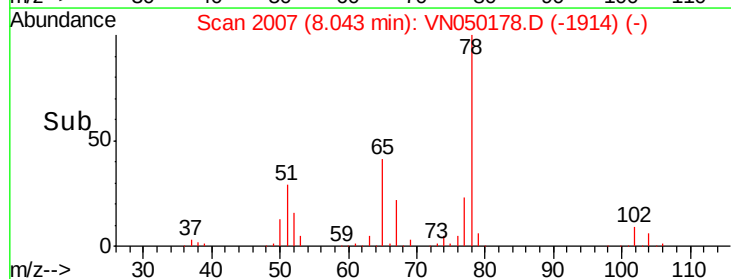
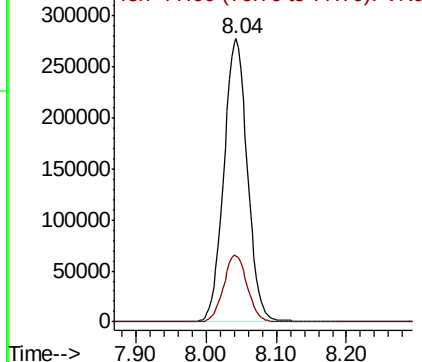
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	648405		
77	23.4		18.7	28.1

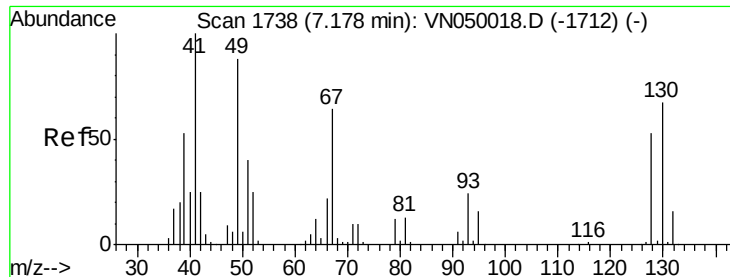


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 19.19 ug/l

RT: 7.18 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

Tot Ion: 41 Resp: 69406

Ion Ratio Lower Upper

41 100

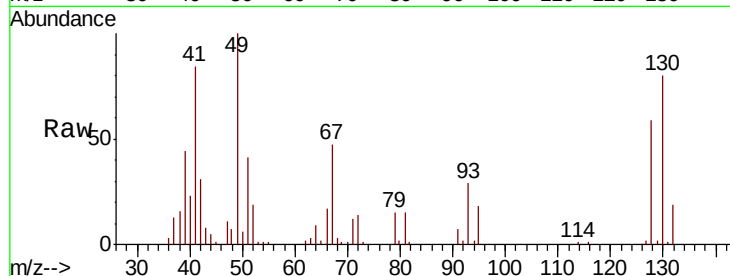
39 57.8 55.8 83.6

67 81.3 84.3 126.5#

52 34.2 34.2 51.2

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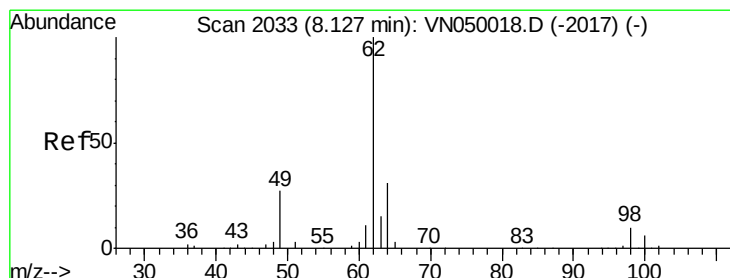
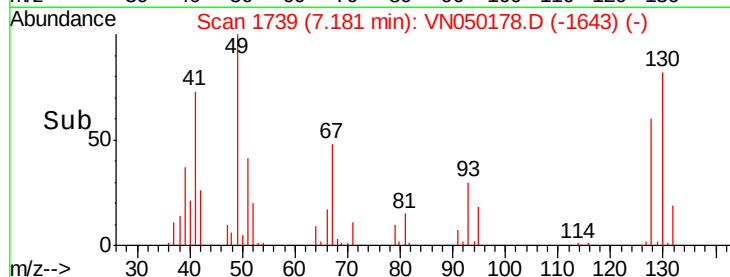
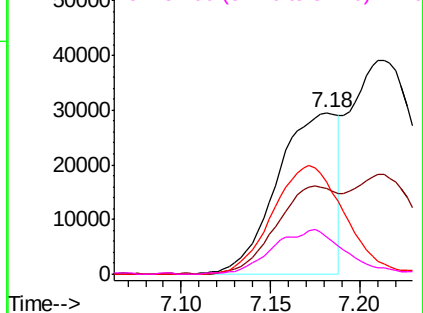
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 18.57 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. -0.00 min

Lab File: VN050178.D

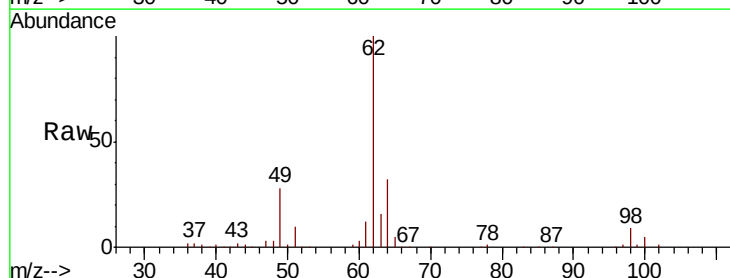
Acq: 30 Jul 2018 11:26

Tgt Ion: 62 Resp: 207136

Ion Ratio Lower Upper

62 100

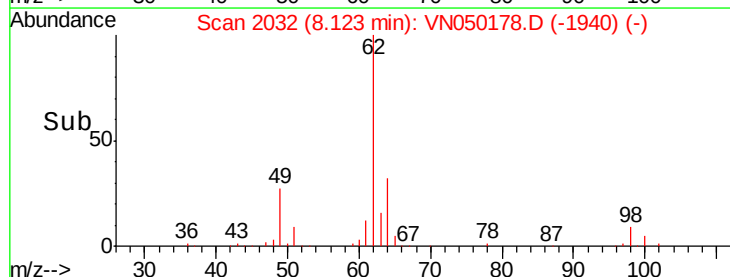
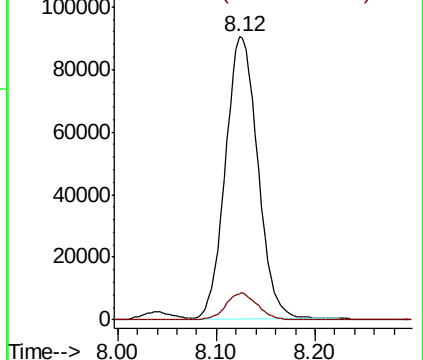
98 9.4 0.0 18.8

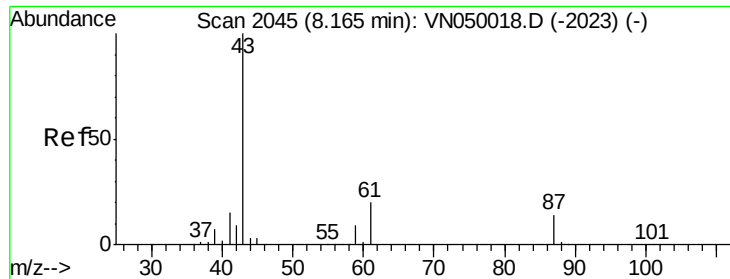


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 17.29 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

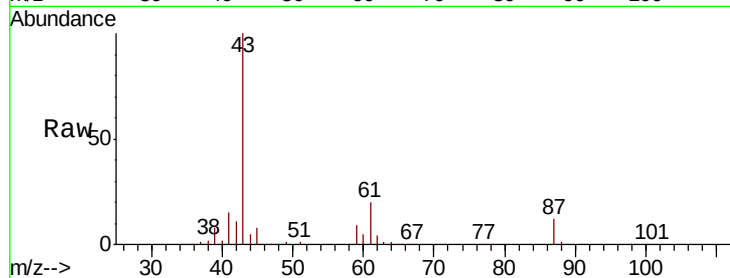
ClientSampleId :

VN0730WBS01

Tot Ion:	43	Resp:	260327
Ion	Ratio	Lower	Upper
43	100		
61	17.8	15.8	23.6
87	11.5	10.3	15.5

Manual Integrations
APPROVED

MMDadoda
7/31/2018 3:20:17 PM

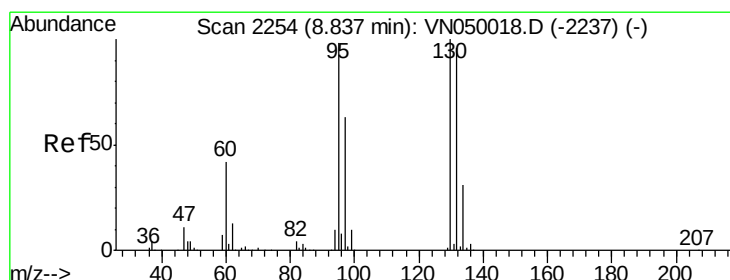
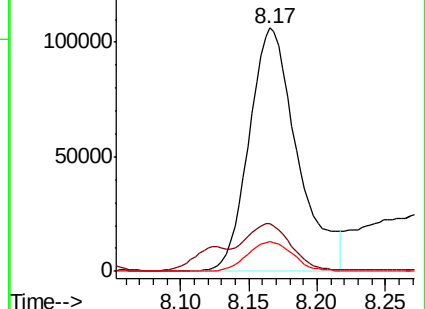
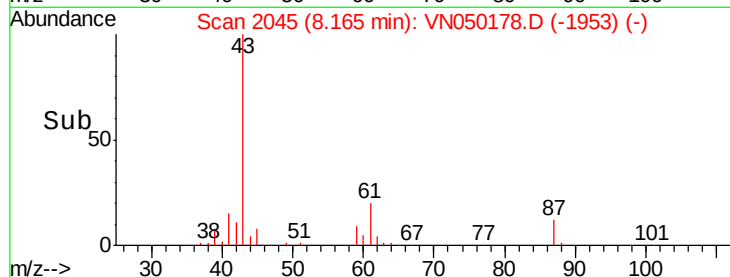


Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)

Time-->



#44

Trichloroethene

Concen: 18.80 ug/l

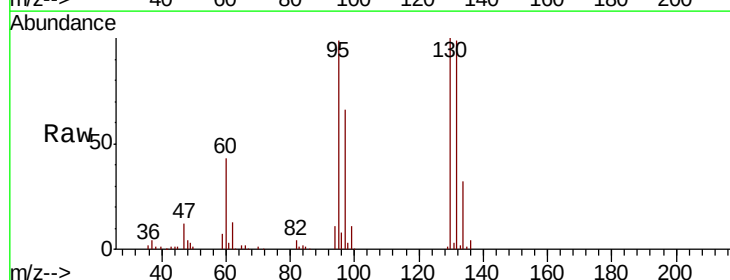
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

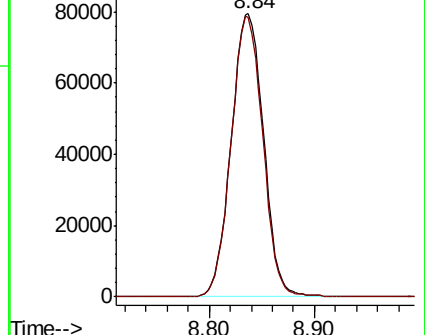
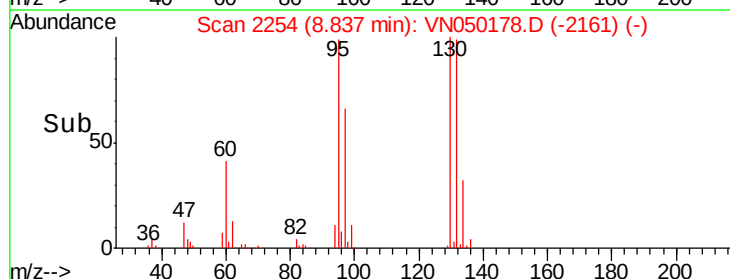
Tgt Ion:	130	Resp:	168898
Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	194.6

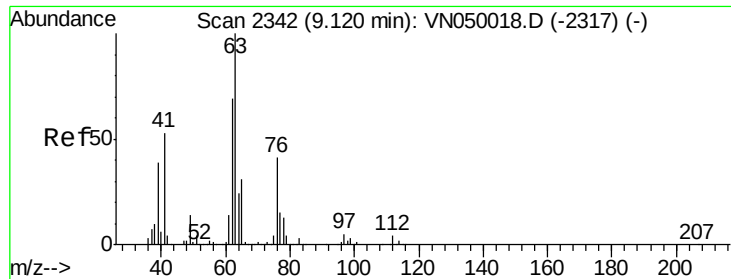


Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)

Time-->





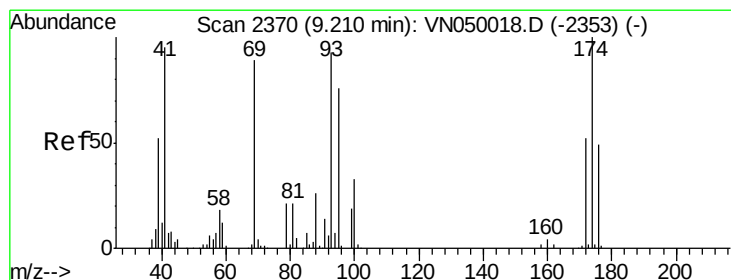
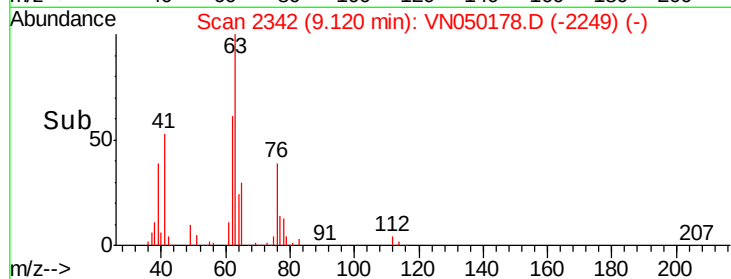
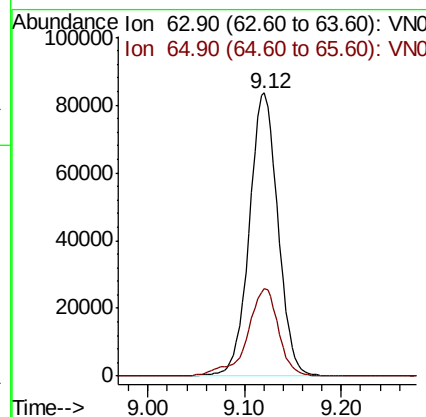
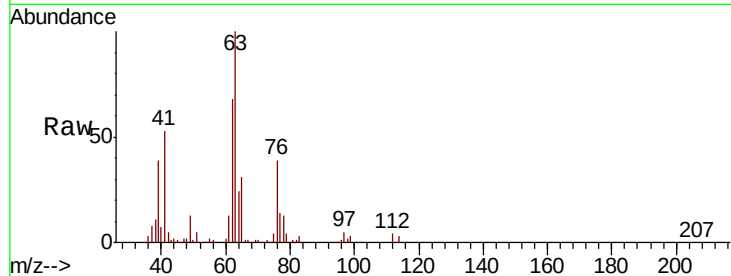
#45
 1,2-Dichloropropane
 Concen: 19.41 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

Tot Ion	63	Resp	171949
Ion Ratio	Lower	Upper	
63	100		
65	30.8	25.5	38.3

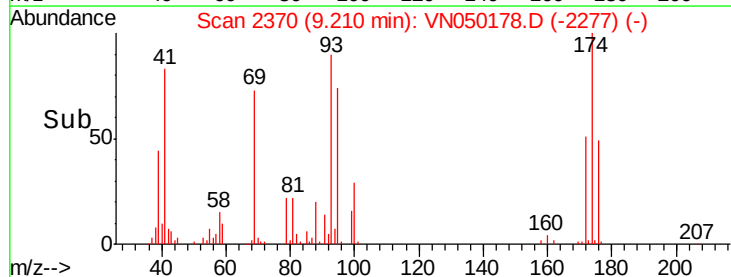
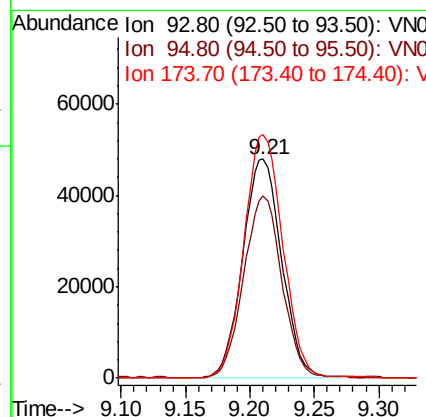
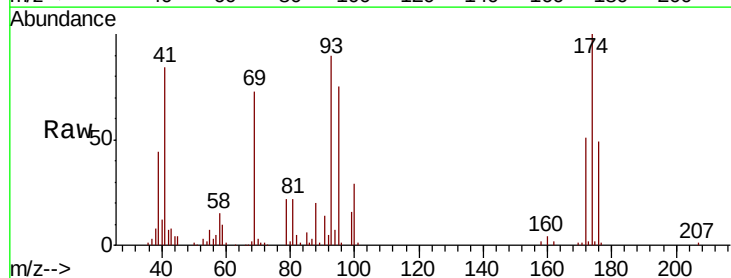
Manual Integrations
 APPROVED

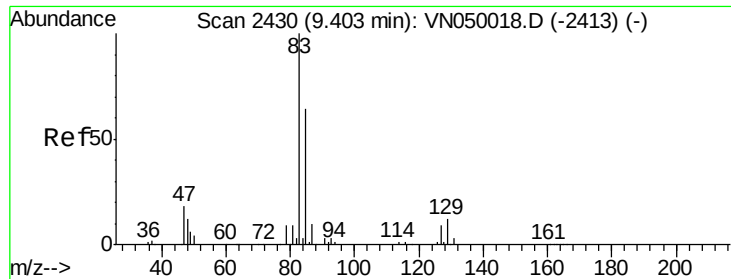
MMDadoda
 7/31/2018 3:20:17 PM



#46
 Dibromomethane
 Concen: 18.38 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion	93	Resp	101055
Ion Ratio	Lower	Upper	
93	100		
95	82.0	66.6	100.0
174	110.9	87.1	130.7





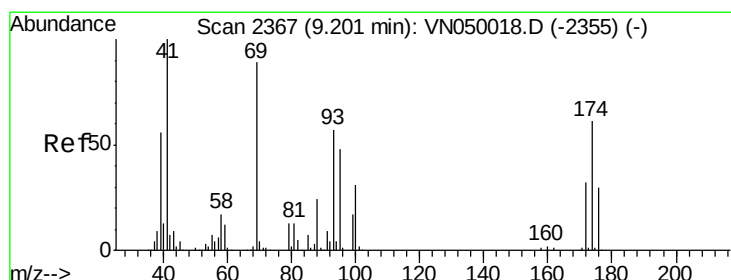
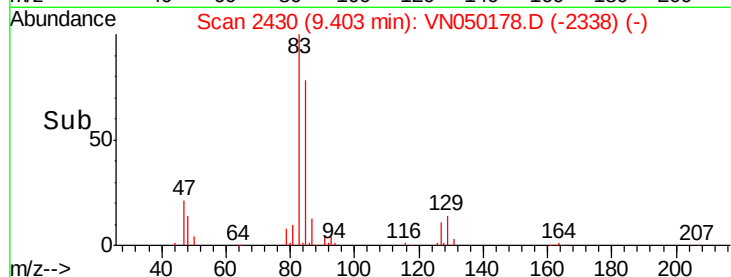
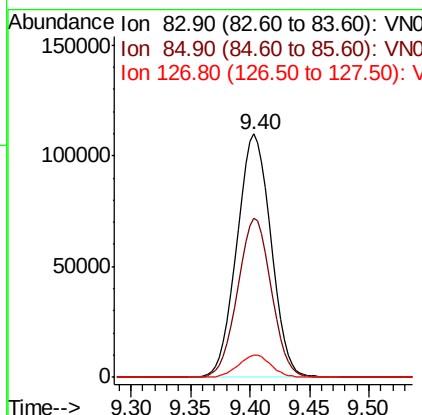
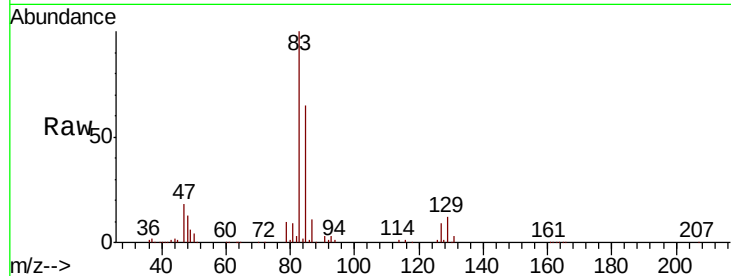
#47
 Bromodichloromethane
 Concen: 18.84 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.1	76.7
127	9.1	7.0	10.4

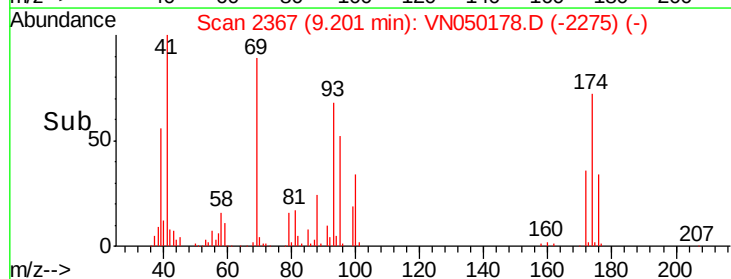
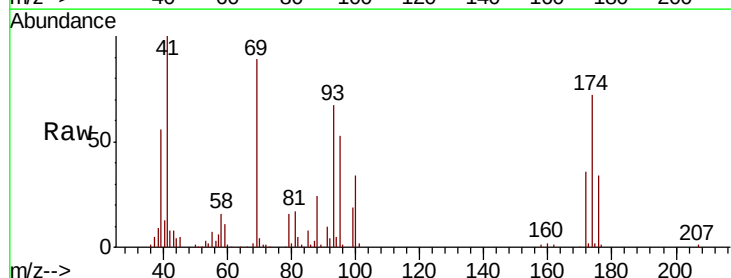
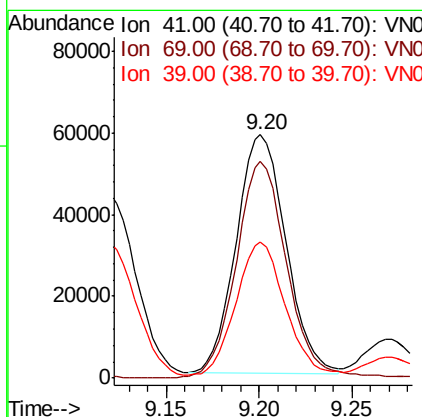
Manual Integrations
 APPROVED

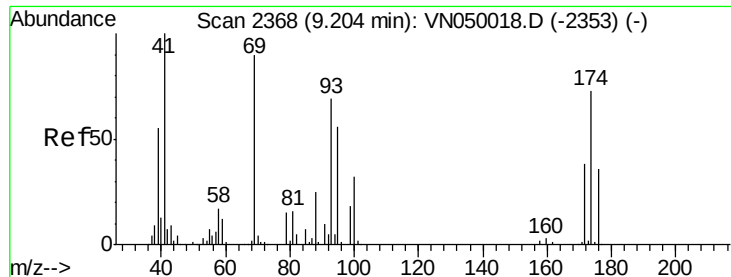
MMDadoda
 7/31/2018 3:20:17 PM



#48
 Methyl methacrylate
 Concen: 16.58 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.3	70.6	105.8
39	56.9	43.9	65.9





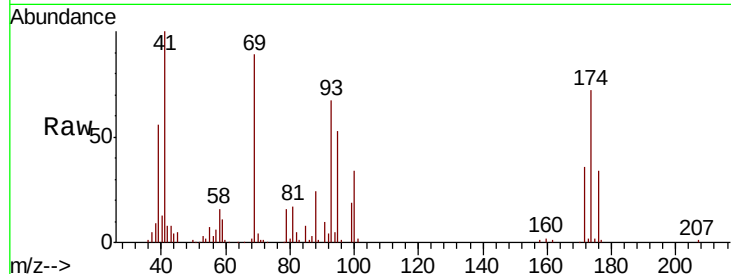
#49
1,4-Dioxane
Concen: 318.62 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	26.9	40.3
58	70.2	57.3	85.9

Manual Integrations
APPROVED

MMDadoda
7/31/2018 3:20:17 PM

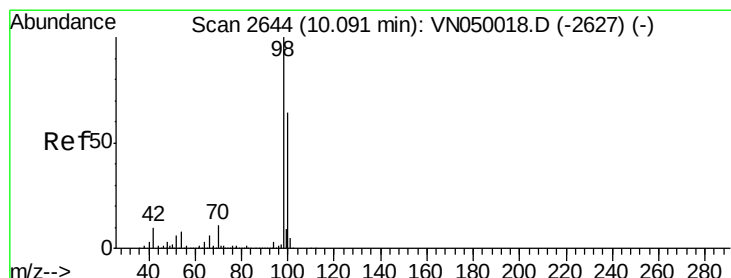
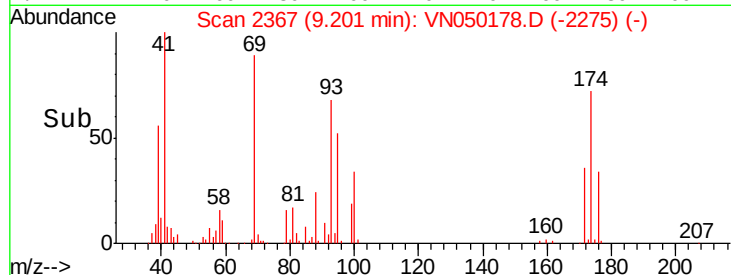
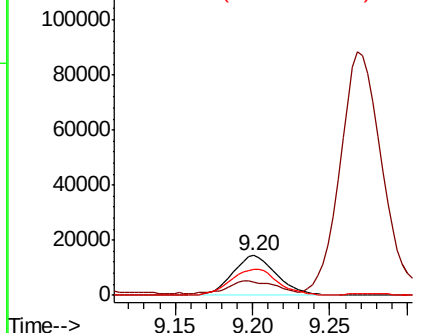


Abundance

Ion 88.00 (87.70 to 88.70): VN0

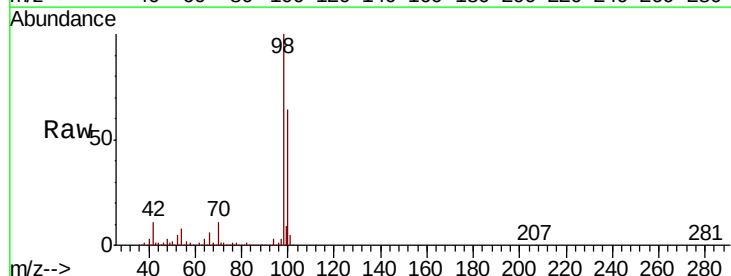
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 50.32 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

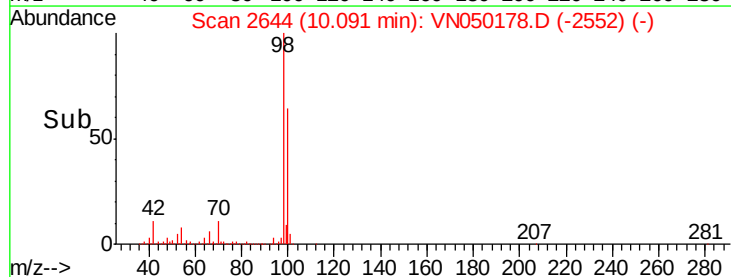
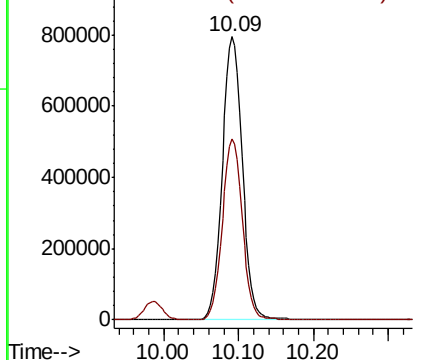
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.7	76.1

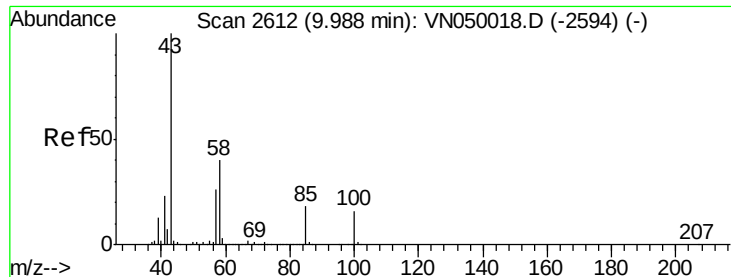


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





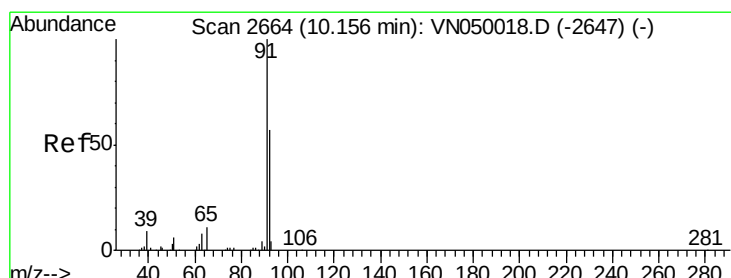
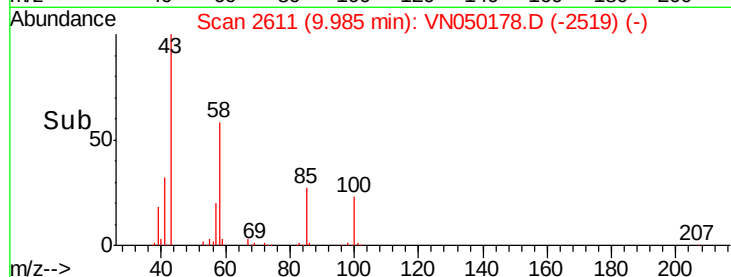
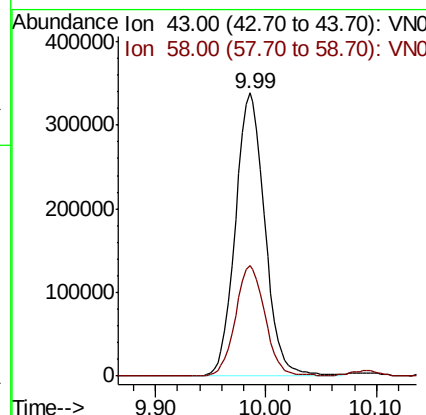
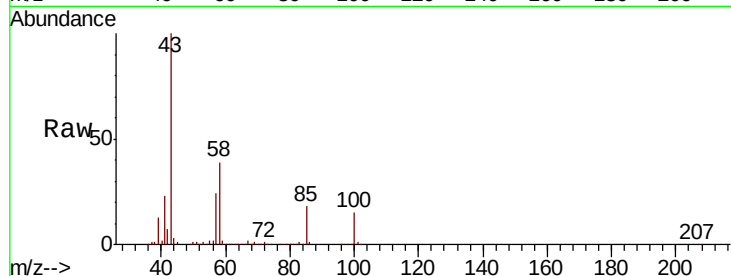
#51
4-Methyl-2-Pentanone
Concen: 82.97 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.9	47.9

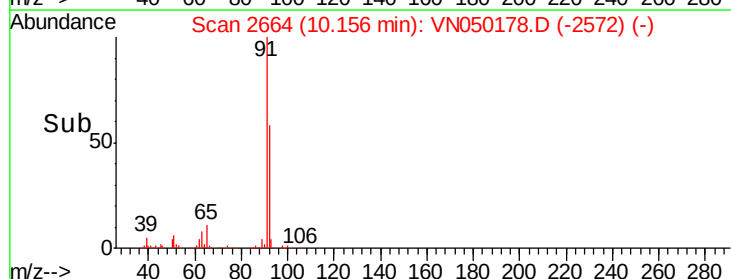
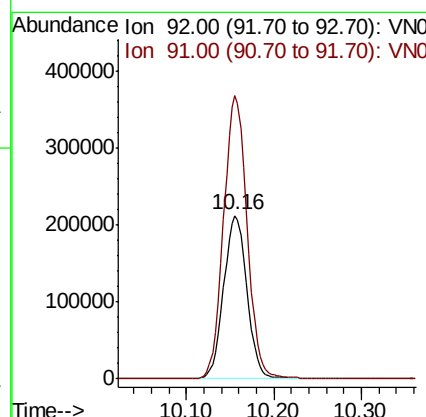
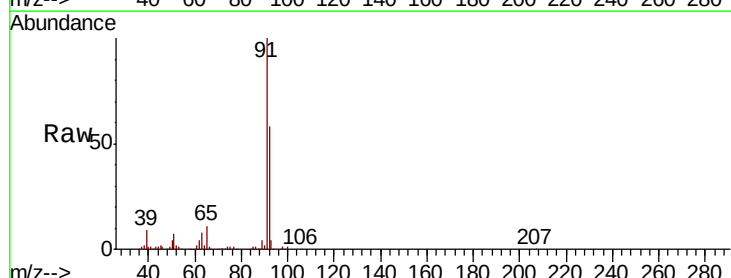
Manual Integrations
APPROVED

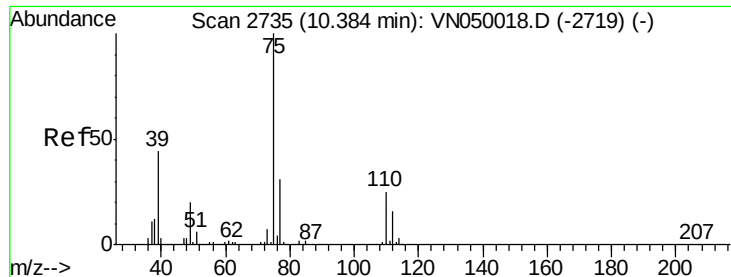
MMDadoda
7/31/2018 3:20:17 PM



#52
Toluene
Concen: 19.97 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.9	140.3	210.5





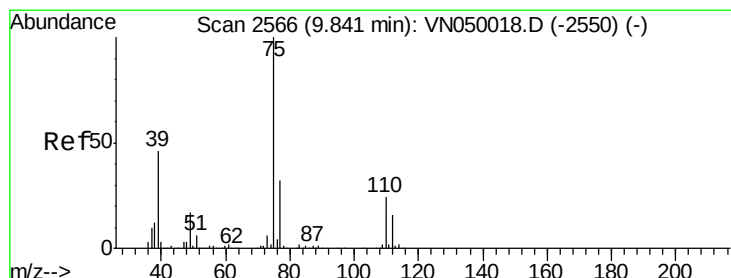
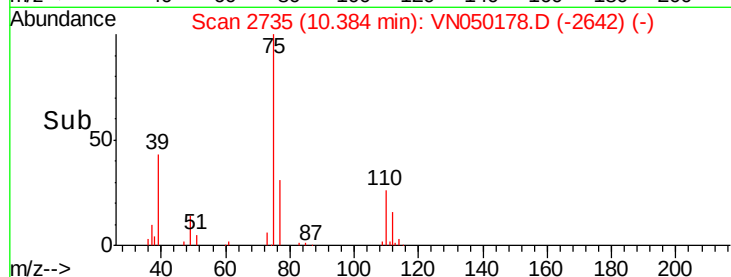
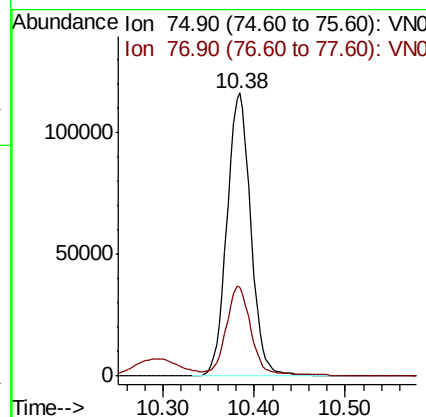
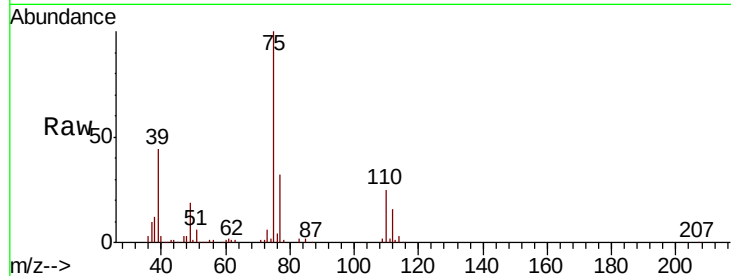
#53
t-1,3-Dichloropropene
Concen: 19.31 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampled :
VN0730WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.9	37.3

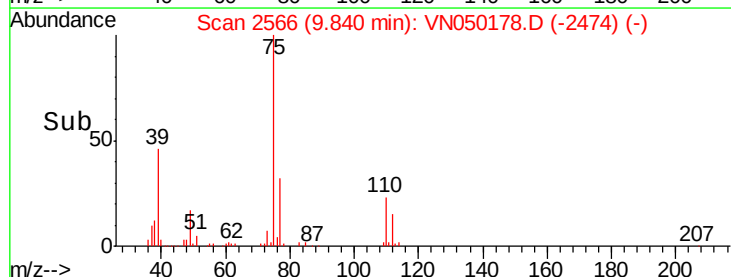
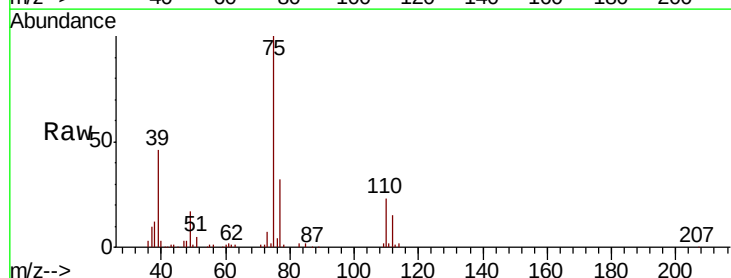
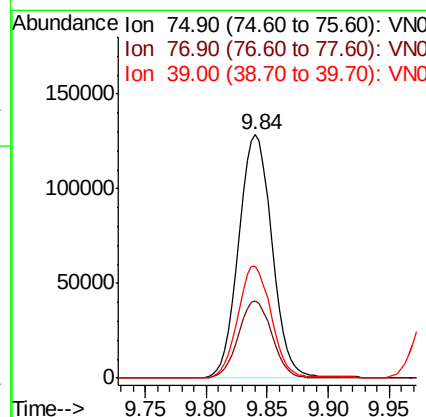
Manual Integrations
APPROVED

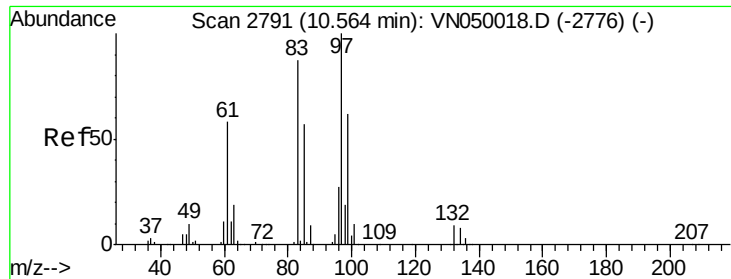
MMDadoda
7/31/2018 3:20:17 PM



#54
cis-1,3-Dichloropropene
Concen: 19.50 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3
39	45.9	36.6	55.0





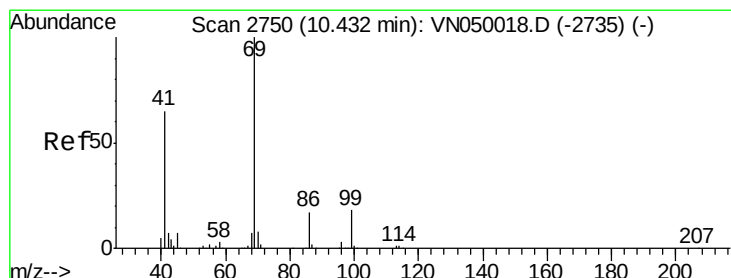
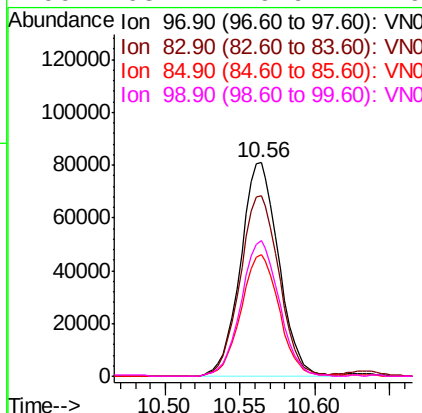
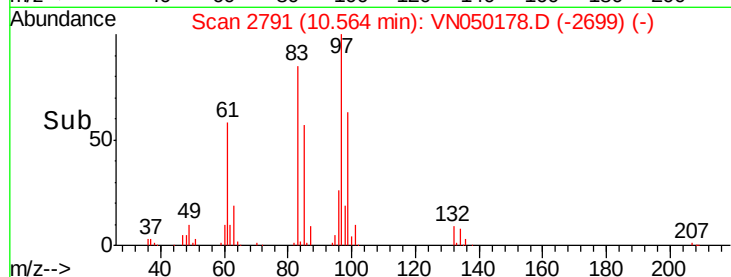
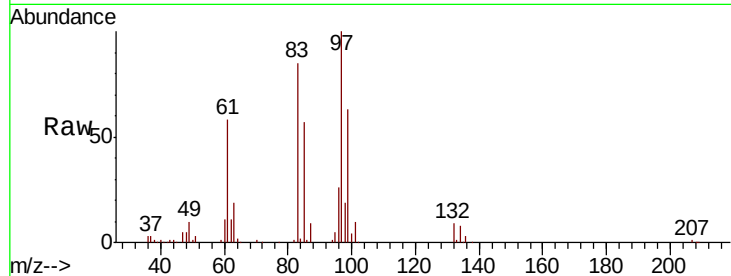
#55
 1,1,2-Trichloroethane
 Concen: 18.34 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		143612		
83	84.8	69.2	103.8		
85	57.2	44.0	66.0		
99	63.2	49.9	74.9		

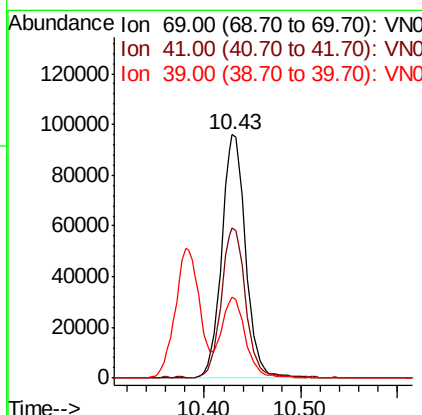
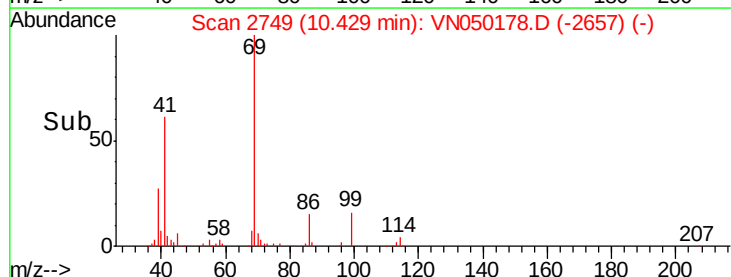
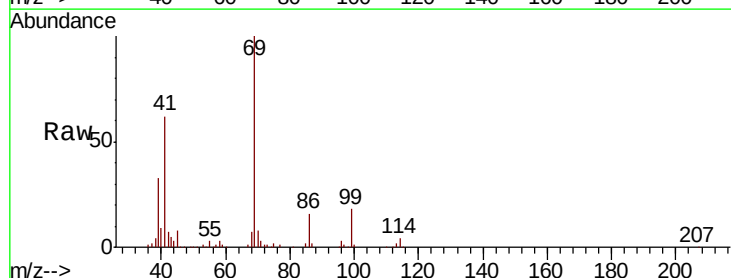
Manual Integrations
 APPROVED

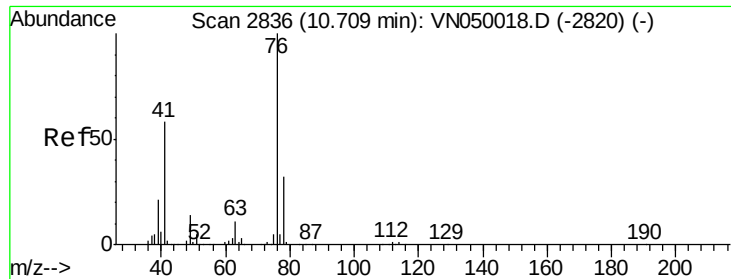
MMDadoda
 7/31/2018 3:20:17 PM



#56
 Ethyl methacrylate
 Concen: 16.96 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		165036		
41	61.6	51.0	76.4		
39	32.4	26.6	40.0		





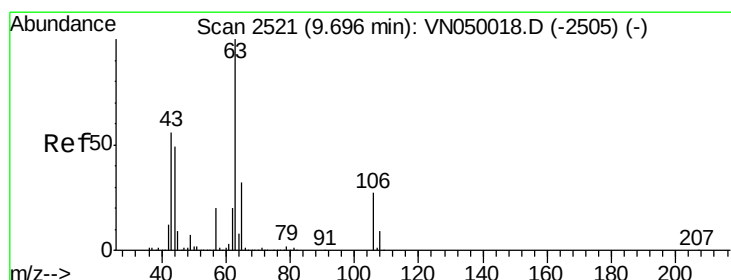
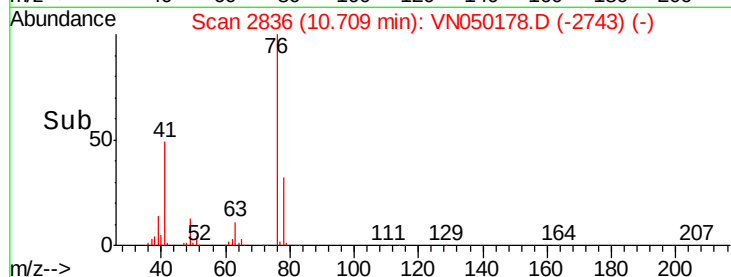
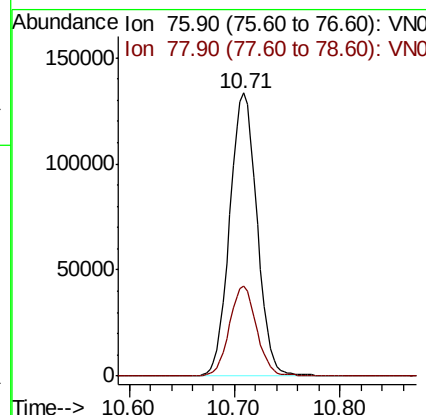
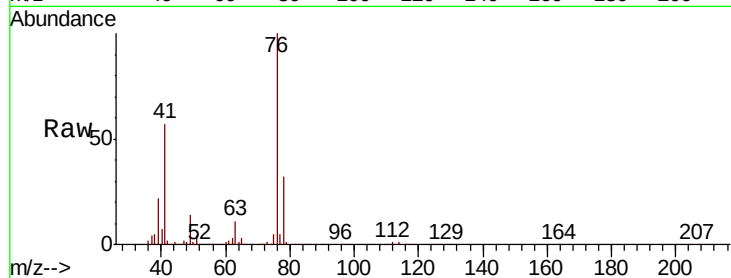
#57
 1,3-Dichloropropane
 Concen: 18.77 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.7	38.5

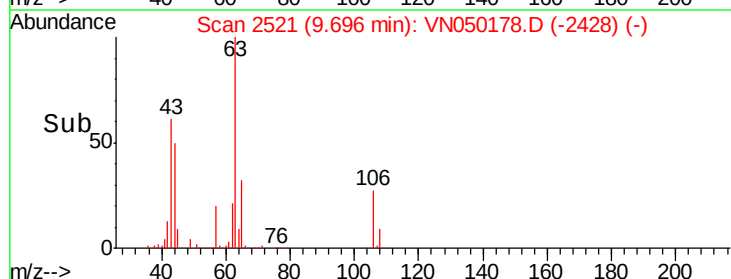
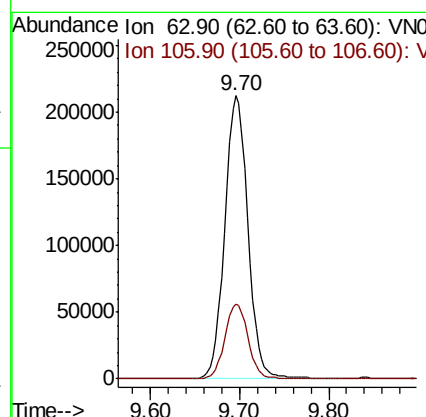
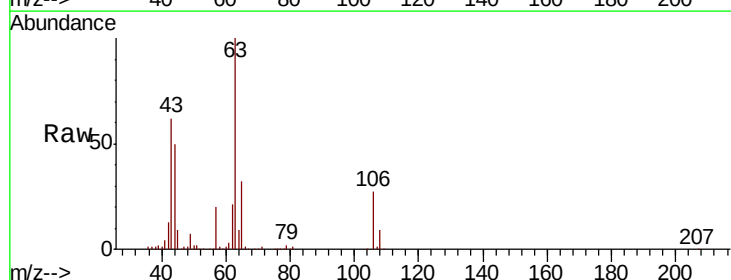
Manual Integrations
 APPROVED

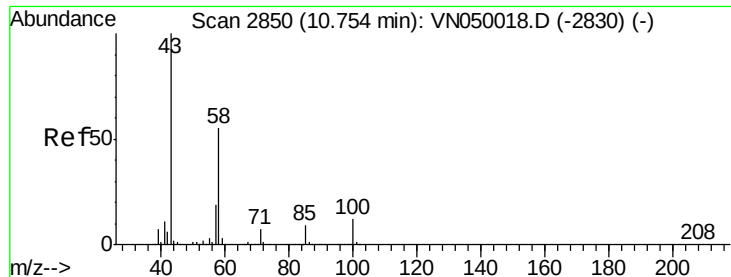
MMDadoda
 7/31/2018 3:20:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.96 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.7	32.5





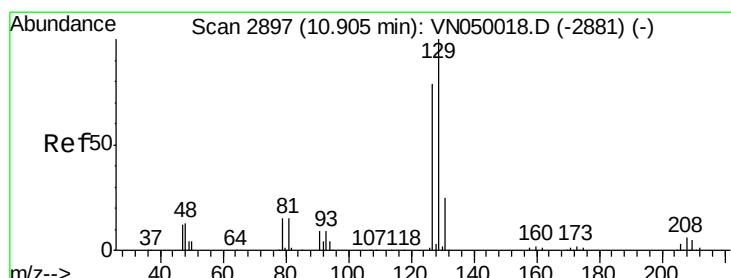
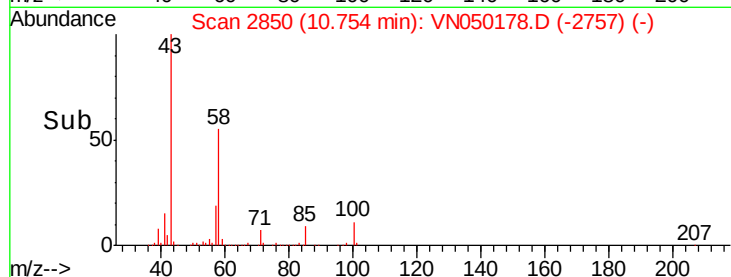
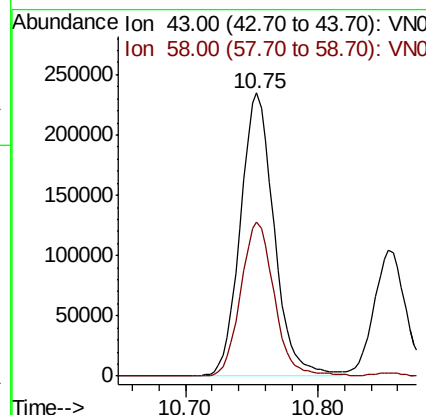
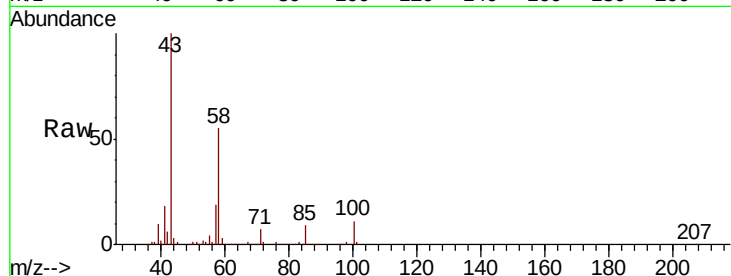
#59
2-Hexanone
Concen: 78.15 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampled :
VN0730WBS01

Tot Ion	43	Resp	412417
Ion Ratio	100	Lower	Upper
43	100		
58	54.4	27.6	82.7

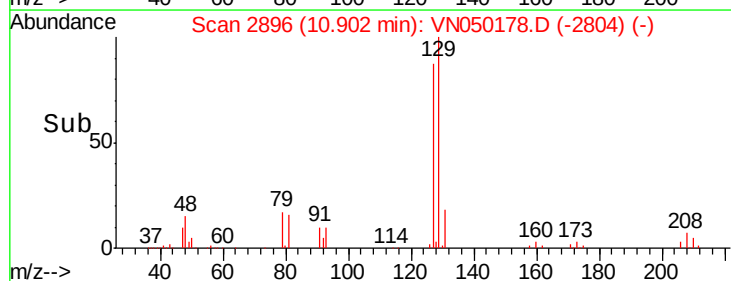
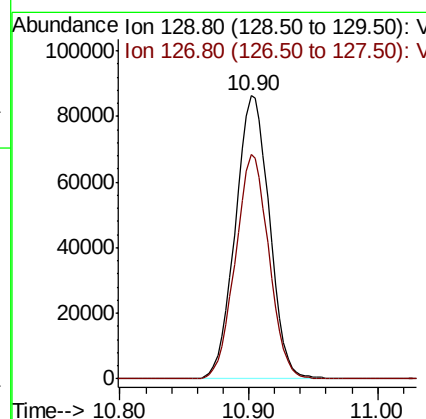
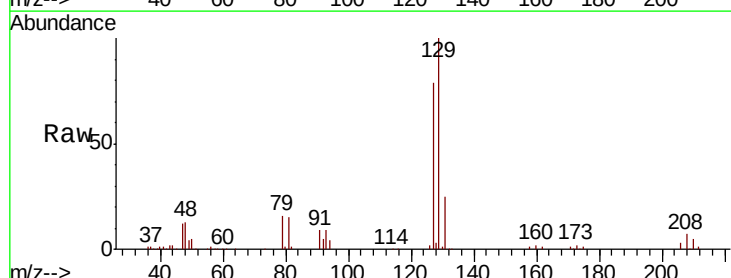
Manual Integrations
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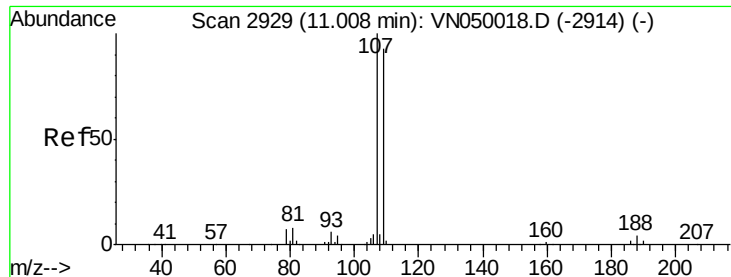
MMDadoda
7/31/2018 3:20:17 PM



#60
Dibromochloromethane
Concen: 18.29 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion	129	Resp	158581
Ion Ratio	100	Lower	Upper
129	100		
127	77.9	38.0	113.9





#61

1,2-Dibromoethane

Concen: 17.45 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

Tot Ion: 107 Resp: 135538

Ion Ratio Lower Upper

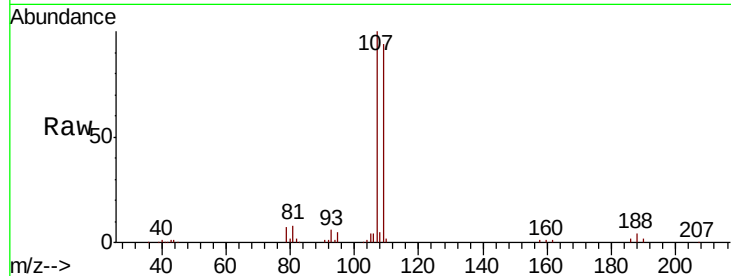
107 100

109 95.7 74.6 112.0

Manual Integrations
APPROVED

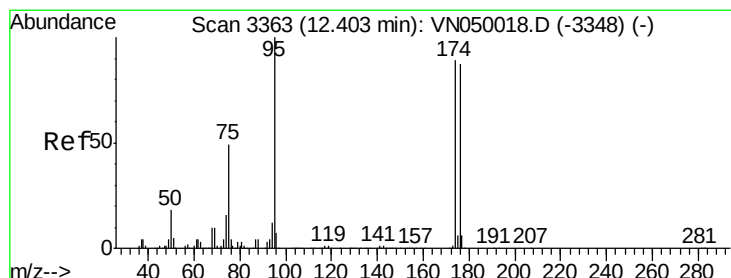
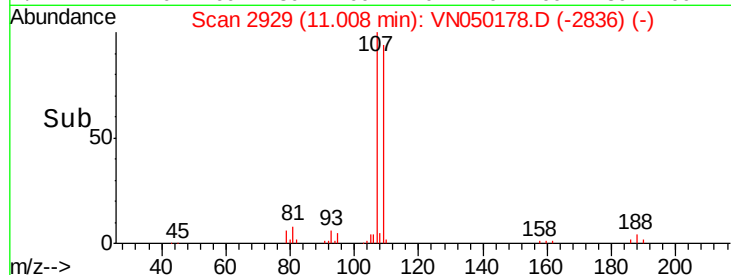
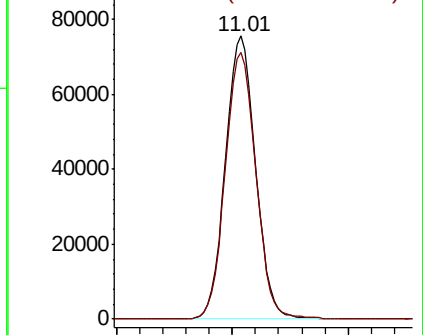
MMDadoda

7/31/2018 3:20:17 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.14 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

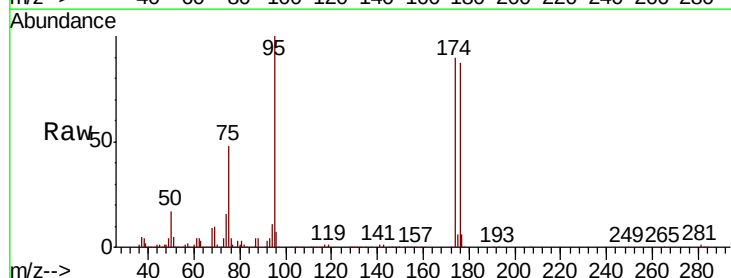
Tgt Ion: 95 Resp: 473671

Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.2

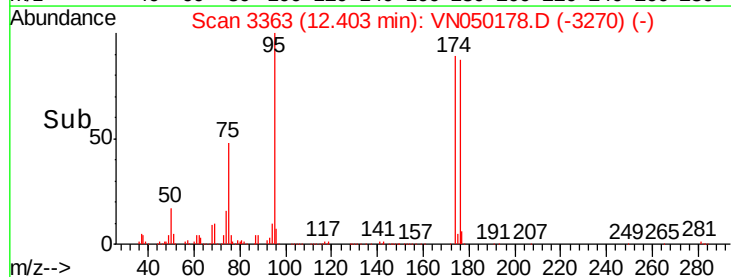
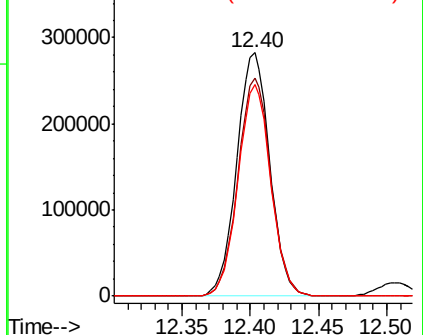
176 86.3 0.0 173.4

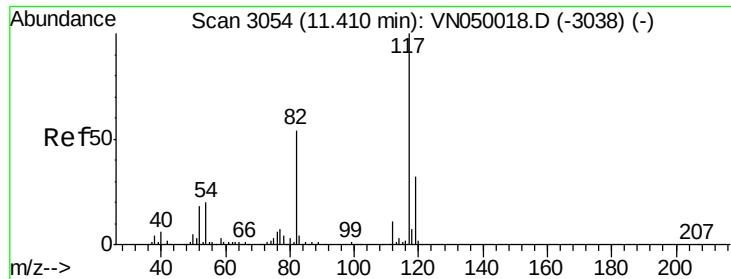


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





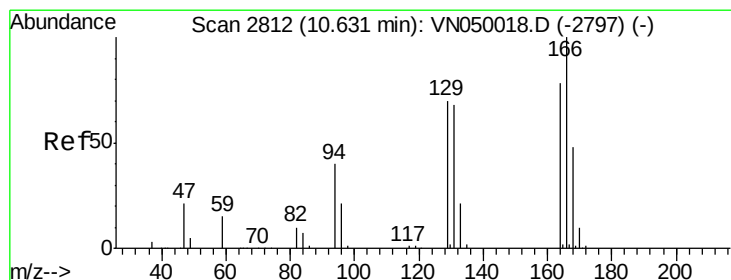
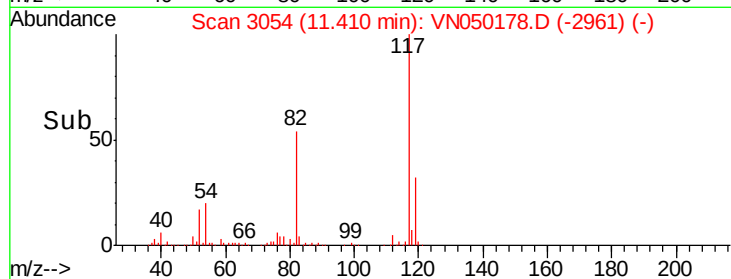
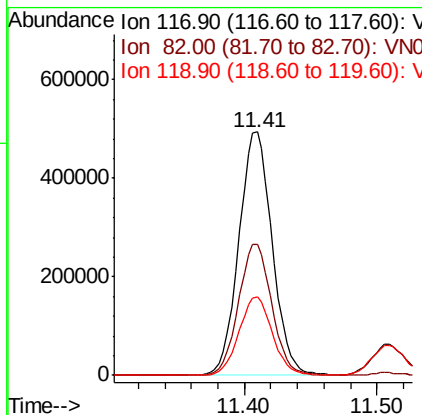
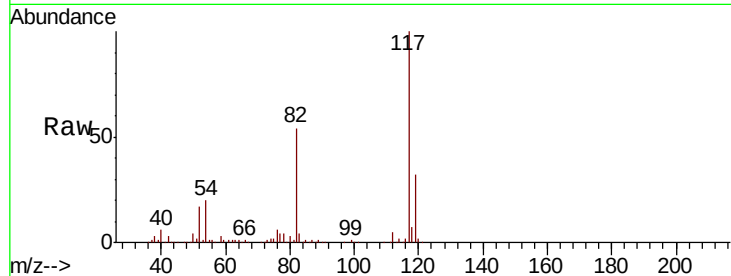
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.7	65.5
119	32.5	26.1	39.1

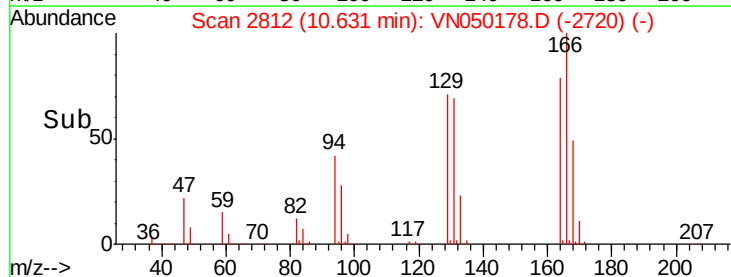
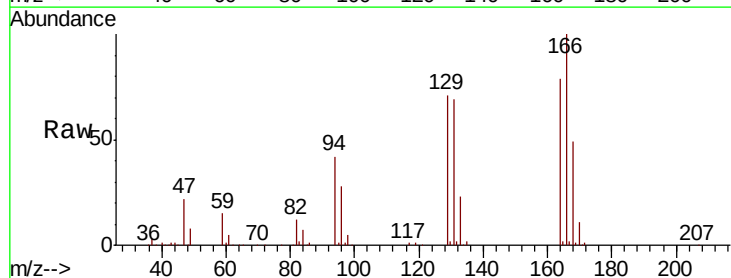
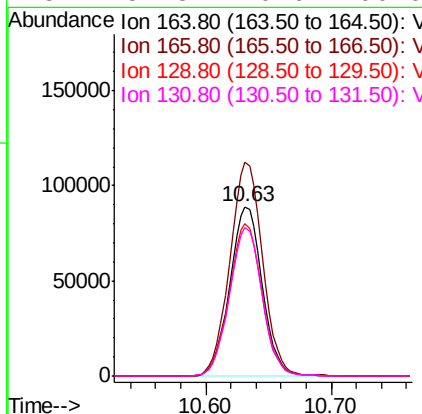
Manual Integrations
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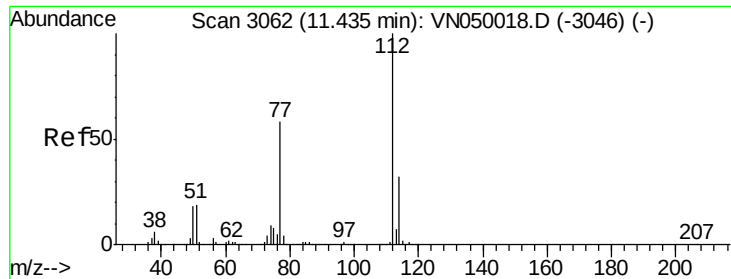
MMDadoda
7/31/2018 3:20:17 PM



#64
Tetrachloroethene
Concen: 19.26 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	102.1	153.1
129	90.0	73.2	109.8
131	87.3	70.6	106.0





#65

Chlorobenzene

Concen: 19.37 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampled :

VN0730WBS01

Tot Ion:112 Resp: 421988

Ion Ratio Lower Upper

112 100

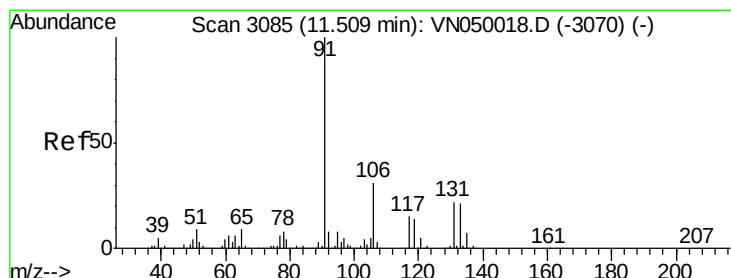
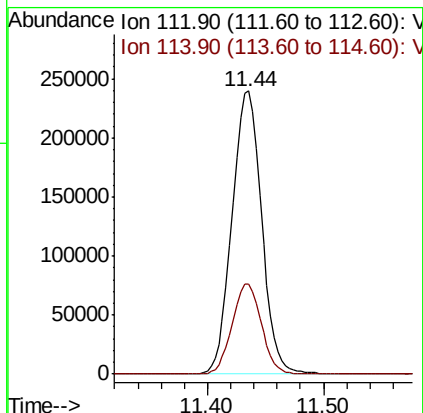
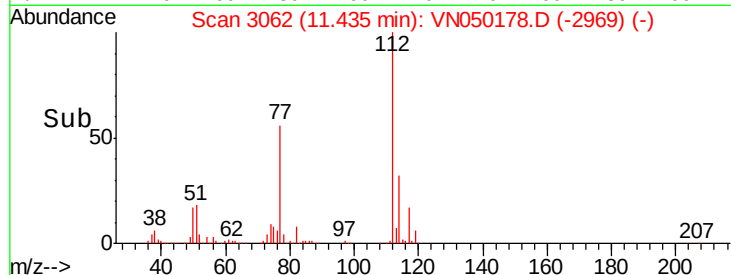
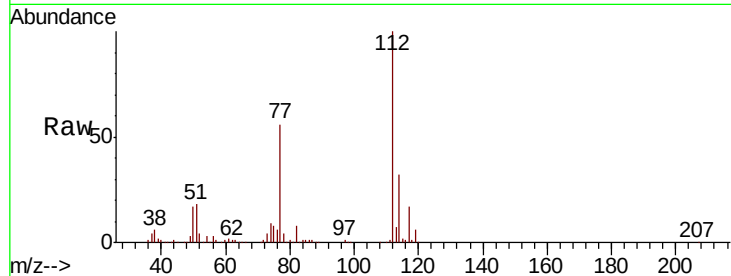
114 31.8 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.18 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

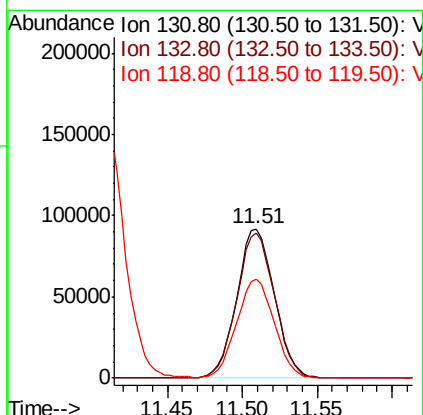
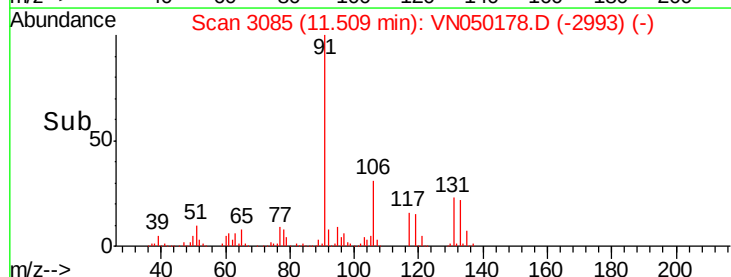
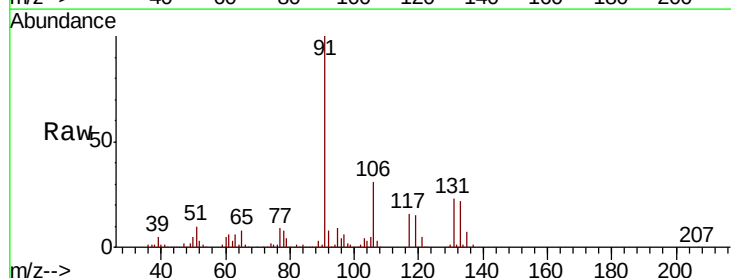
Tgt Ion:131 Resp: 160590

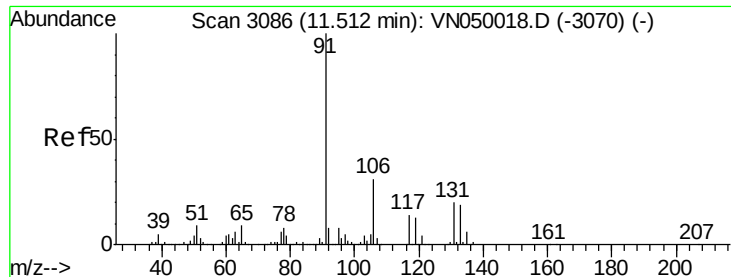
Ion Ratio Lower Upper

131 100

133 97.6 47.3 141.9

119 66.6 32.9 98.7





#67

Ethyl Benzene

Concen: 20.05 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampled :

VN0730WBS01

Tot Ion: 91 Resp: 701873

Ion Ratio Lower Upper

91 100

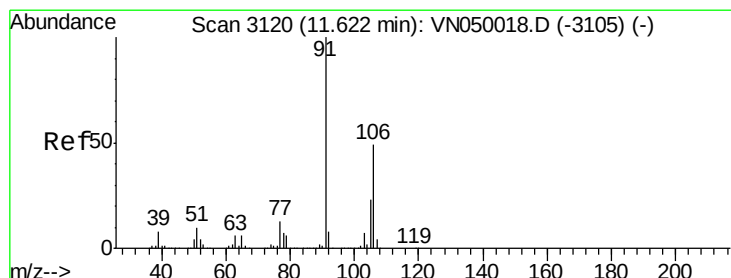
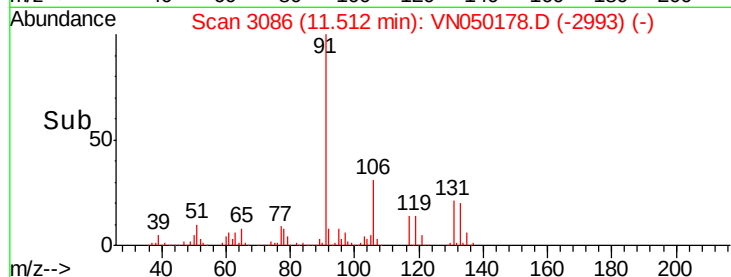
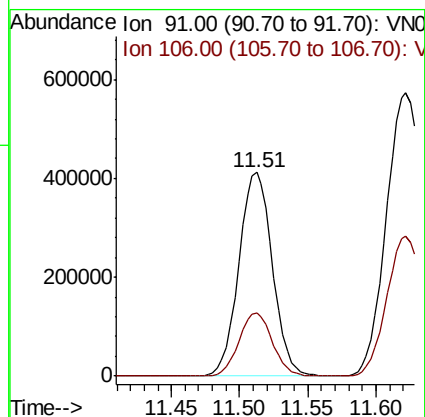
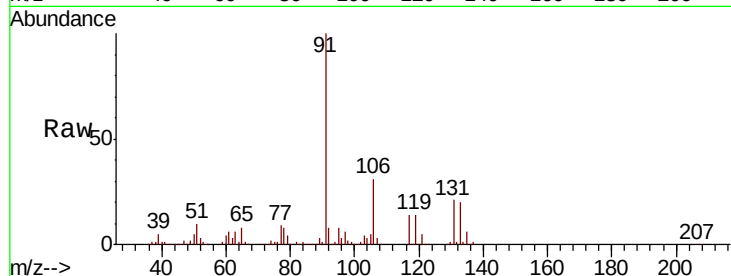
106 31.3 25.0 37.4

Manual Integrations

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7/31/2018 3:20:17 PM



#68

m/p-Xylenes

Concen: 41.03 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050178.D

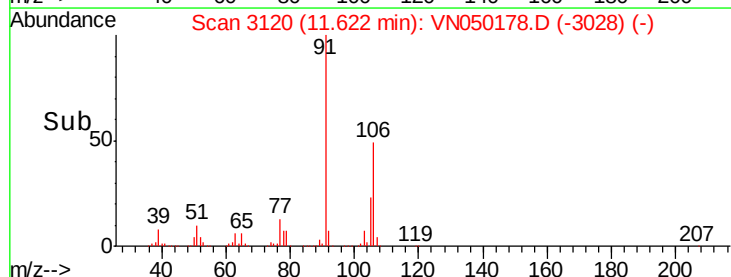
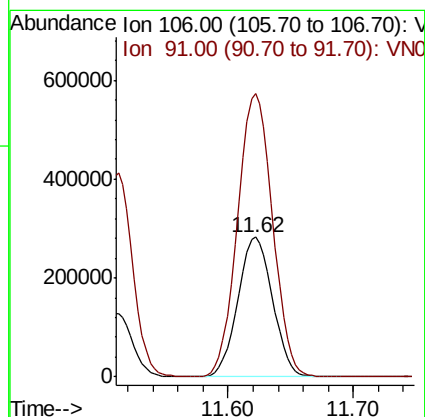
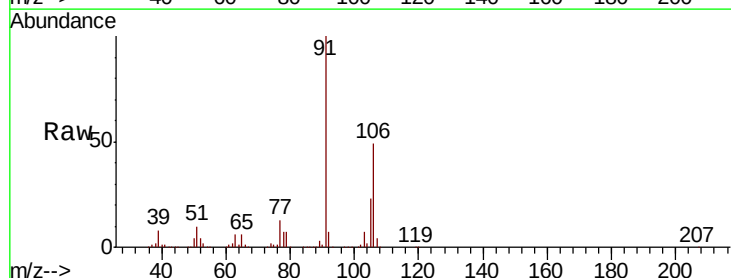
Acq: 30 Jul 2018 11:26

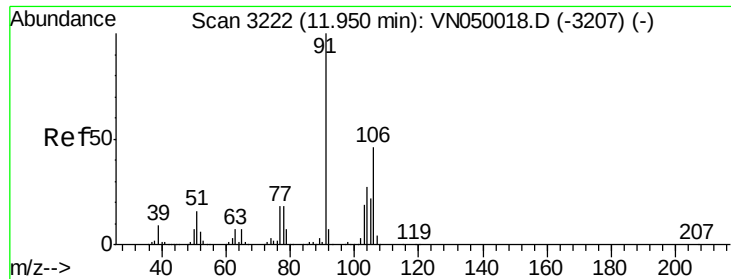
Tgt Ion: 106 Resp: 543129

Ion Ratio Lower Upper

106 100

91 204.5 162.2 243.2





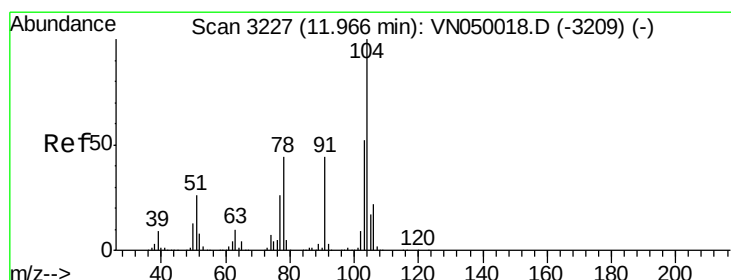
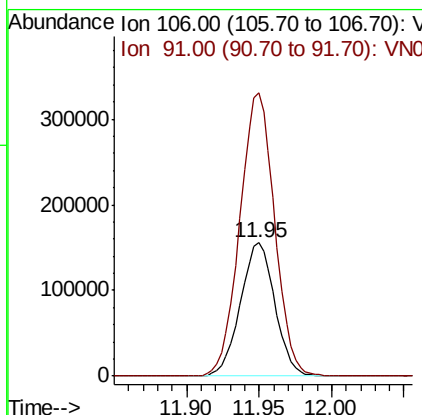
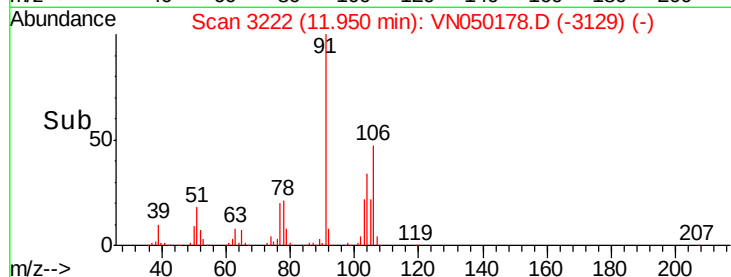
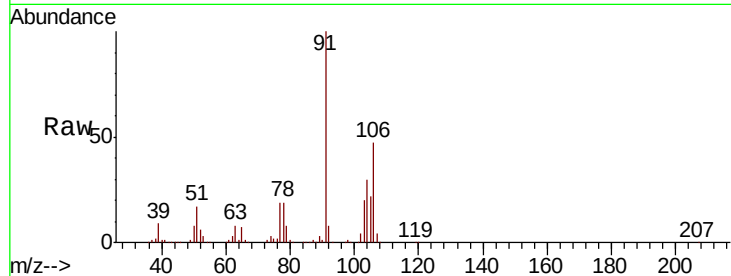
#69
o-Xylene
Concen: 20.42 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.3	107.7	323.1

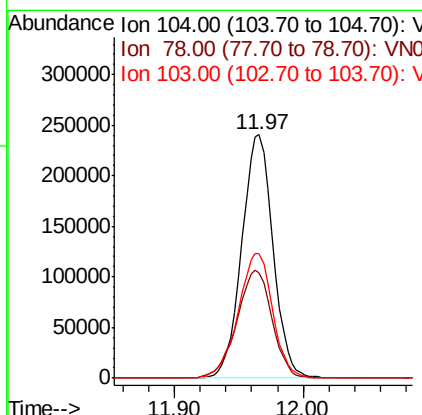
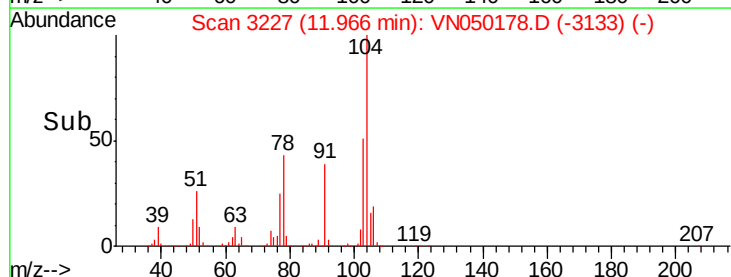
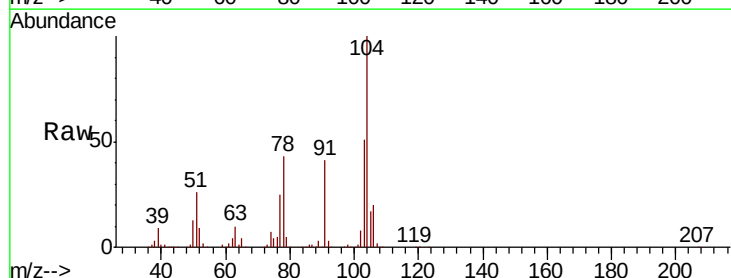
Manual Integrations
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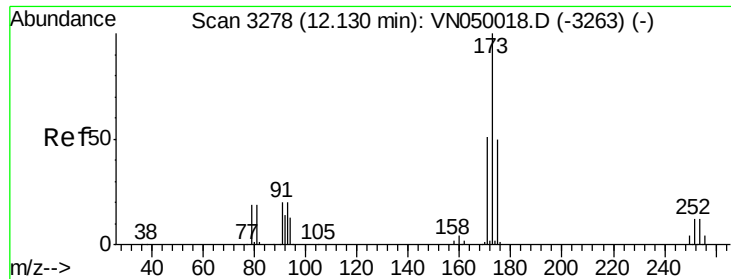
MMDadoda
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#70
Styrene
Concen: 18.70 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.6	39.3	58.9
103	56.4	45.0	67.6





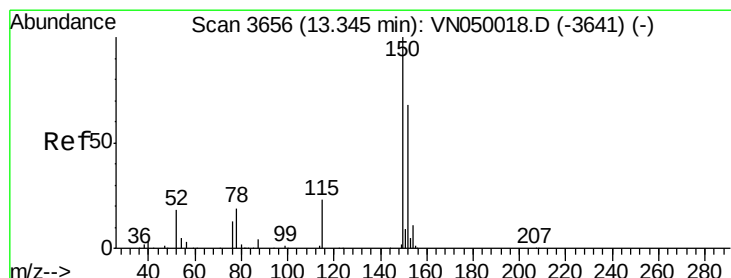
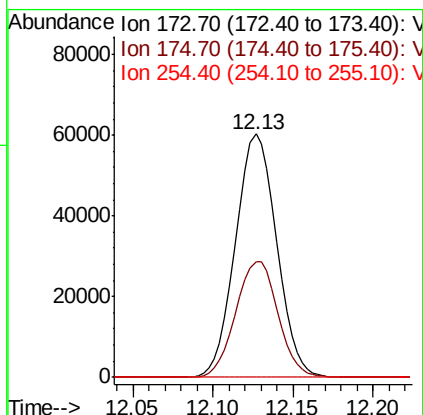
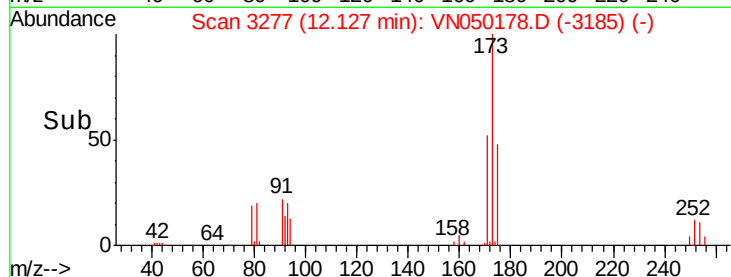
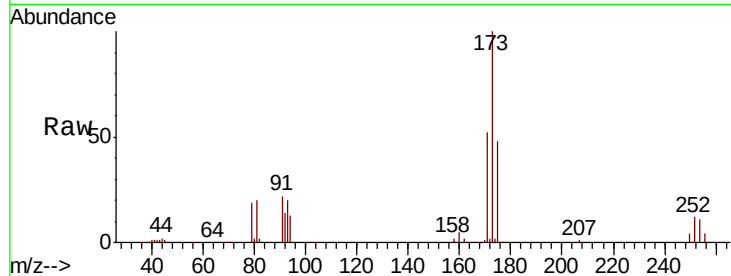
#71
Bromoform
Concen: 17.38 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.2
254	0.0	0.2	0.2#

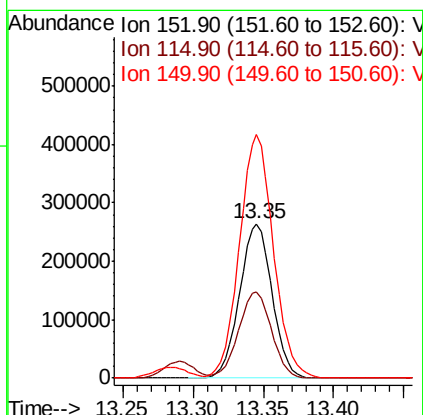
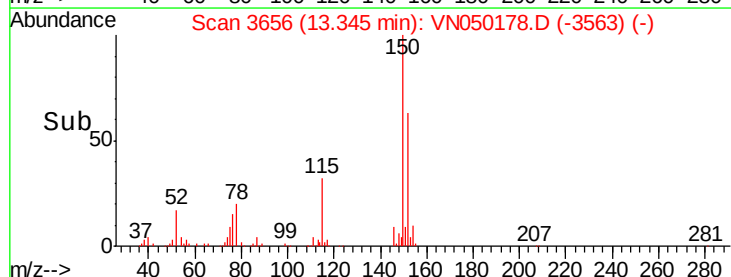
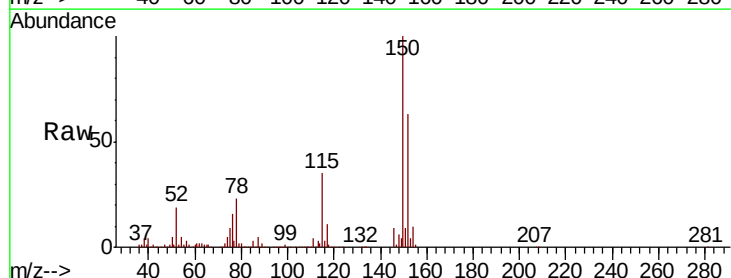
Manual Integrations
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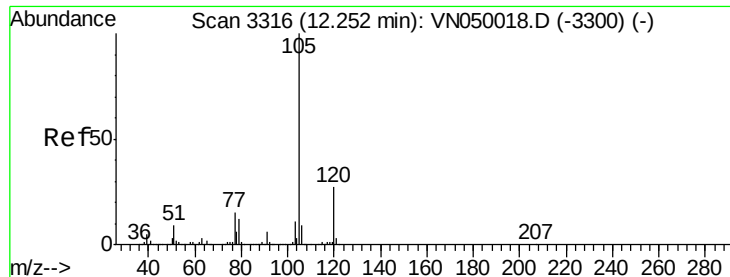
MMDadoda
7/31/2018 3:20:17 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.8	83.3
150	164.5	0.0	348.6





#73

Isopropylbenzene

Concen: 20.97 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampled :

VN0730WBS01

Tot Ion:105 Resp: 694232

Ion Ratio Lower Upper

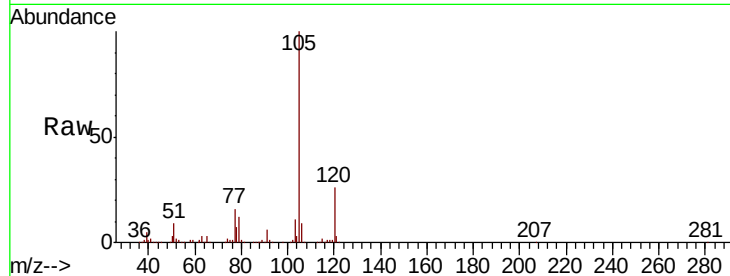
105 100

120 26.5 13.3 39.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

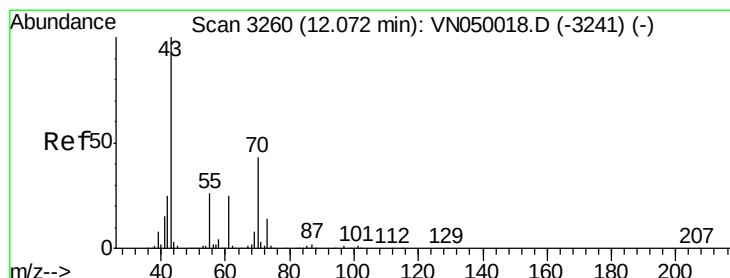
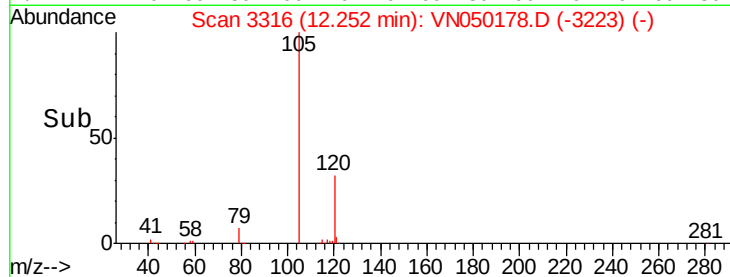
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 16.37 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Tgt Ion: 43 Resp: 165644

Ion Ratio Lower Upper

43 100

70 43.2 34.4 51.6

55 26.9 20.8 31.2

61 24.2 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

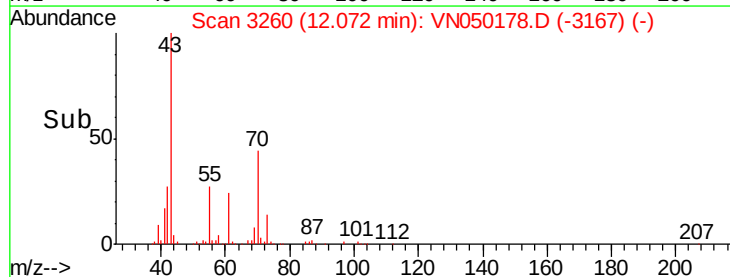
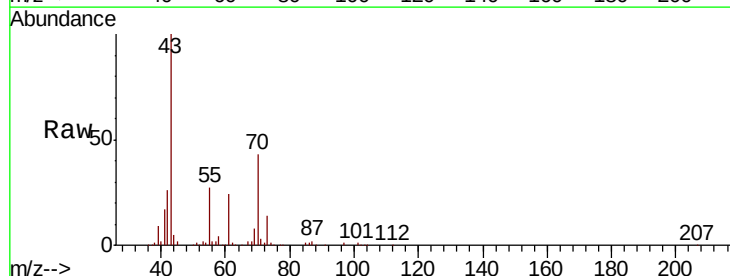
150000

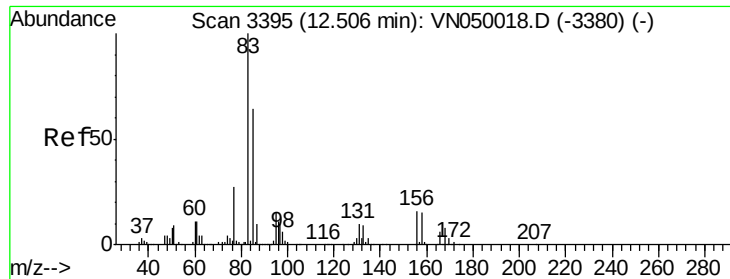
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.60 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

Tot Ion: 83 Resp: 174308

Ion Ratio Lower Upper

83 100

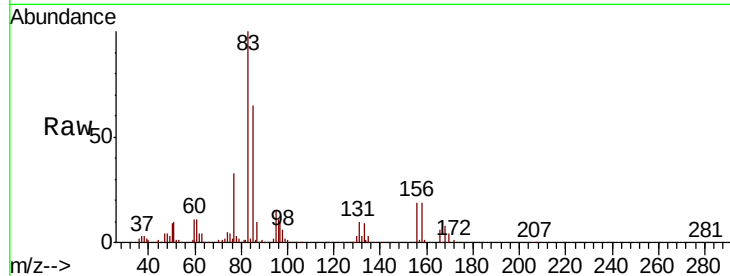
131 10.0 5.1 15.3

85 64.3 32.3 96.8

Manual Integrations
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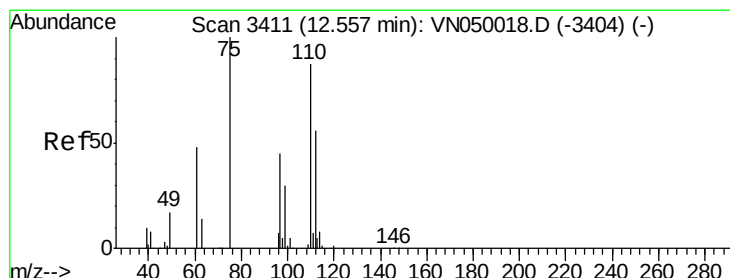
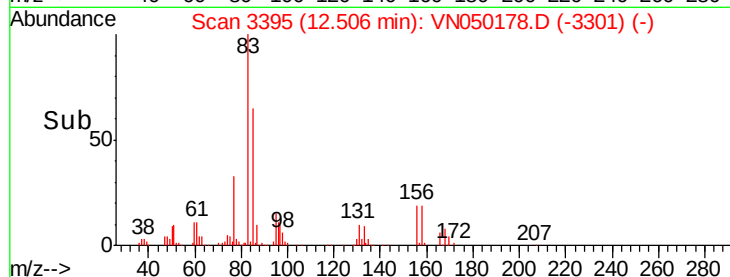
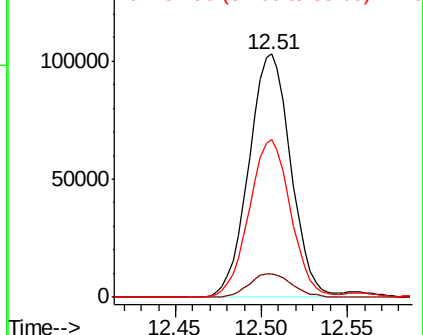
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 18.23 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050178.D

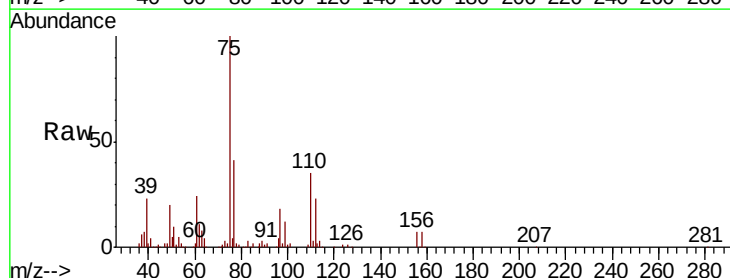
Acq: 30 Jul 2018 11:26

Tgt Ion: 75 Resp: 144633

Ion Ratio Lower Upper

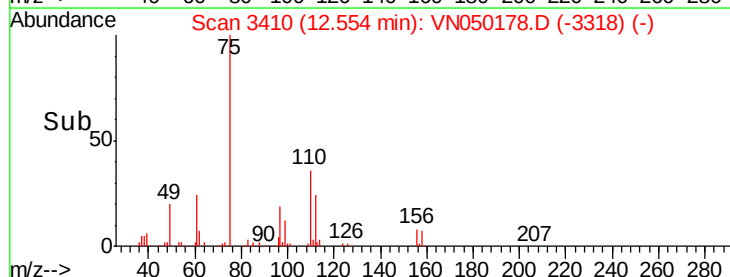
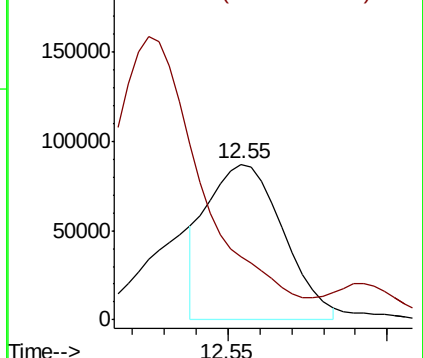
75 100

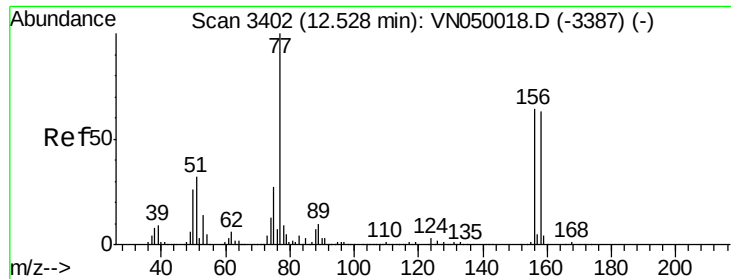
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.32 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

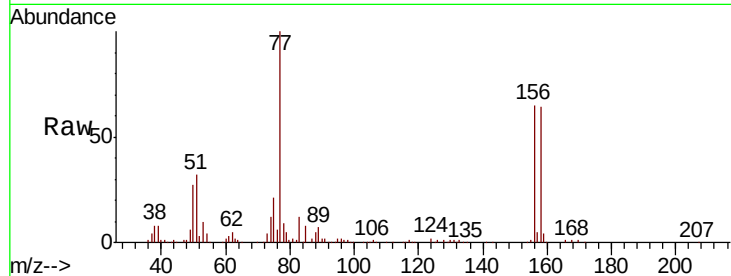
ClientSampleId :

VN0730WBS01

Tot Ion:	156	Resp:	177267
Ion Ratio	Lower	Upper	
156	100		
77	182.4	91.7	275.1
158	98.3	48.9	146.6

Manual Integrations
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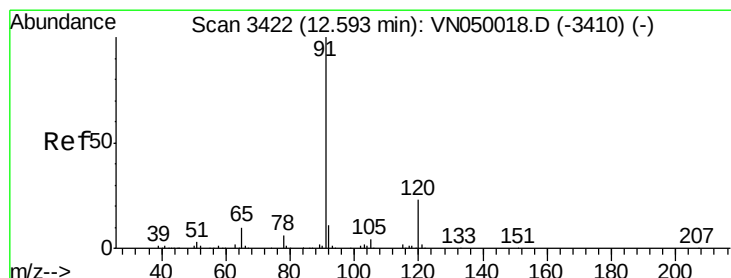
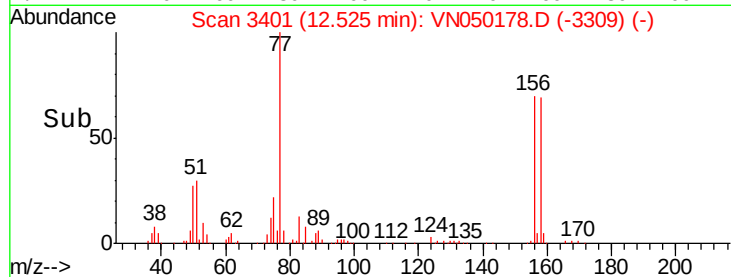
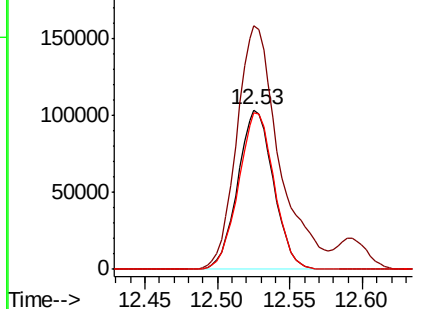
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.56 ug/l

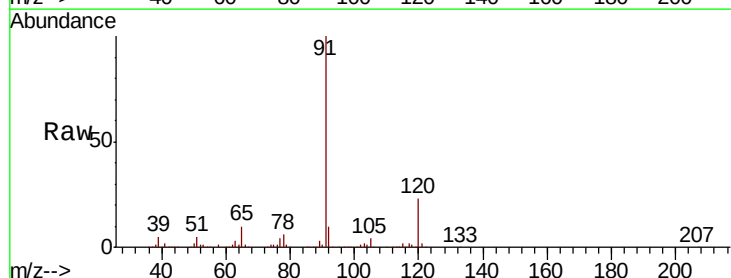
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050178.D

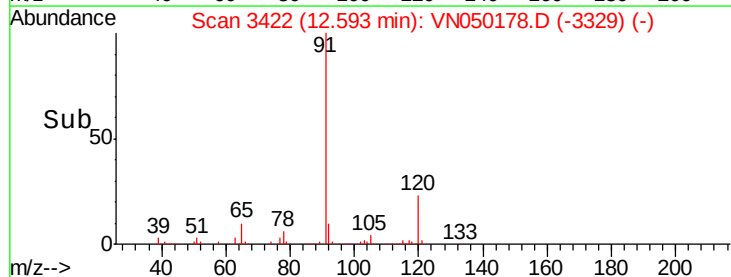
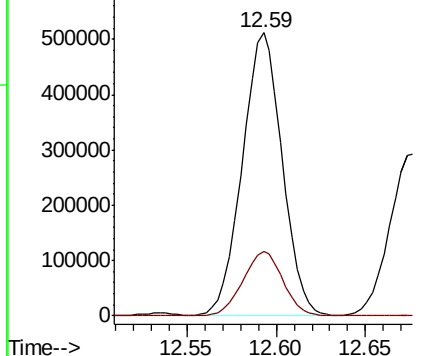
Acq: 30 Jul 2018 11:26

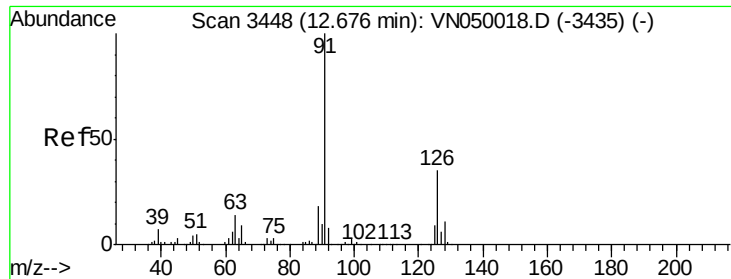
Tgt Ion:	91	Resp:	797910
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.6	34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.01 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

Tot Ion: 91 Resp: 481912

Ion Ratio Lower Upper

91 100

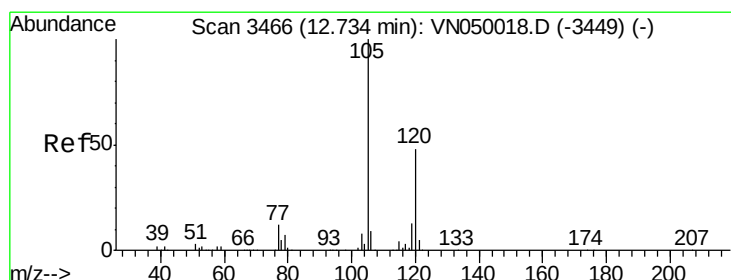
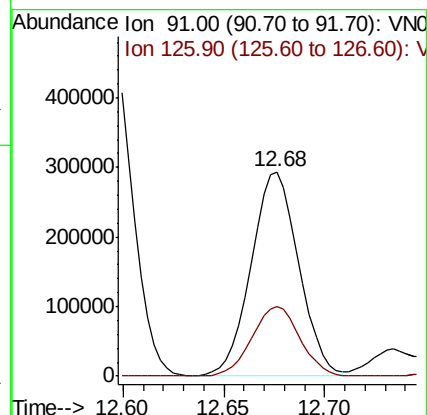
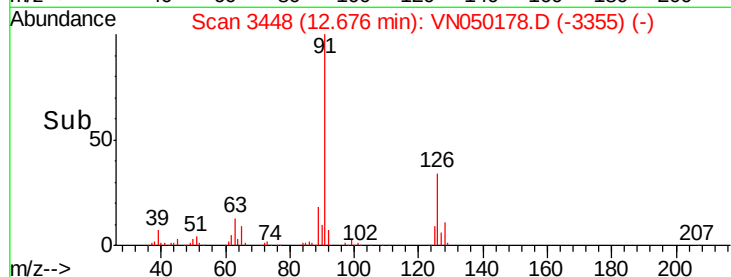
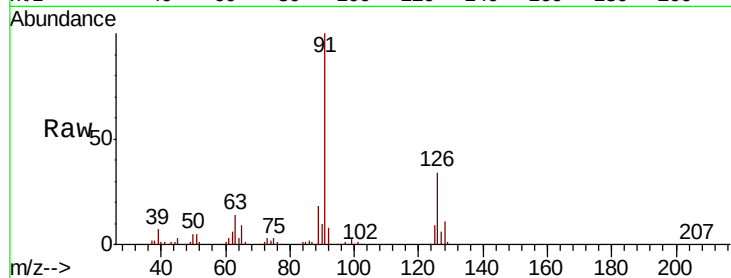
126 34.6 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.08 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050178.D

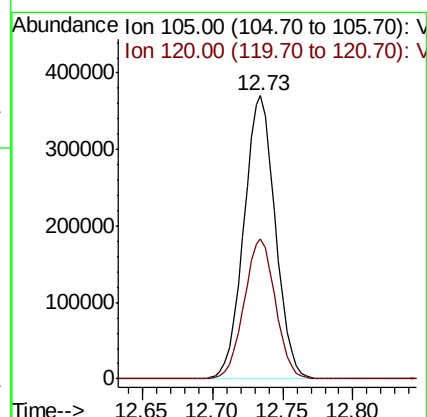
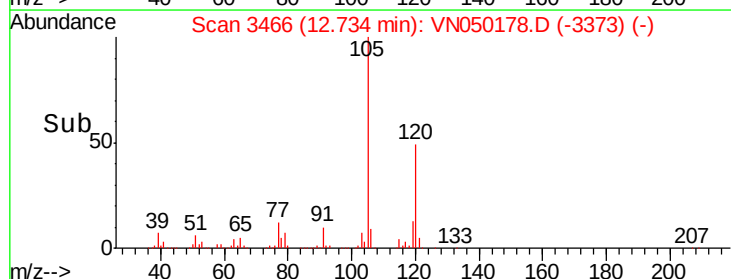
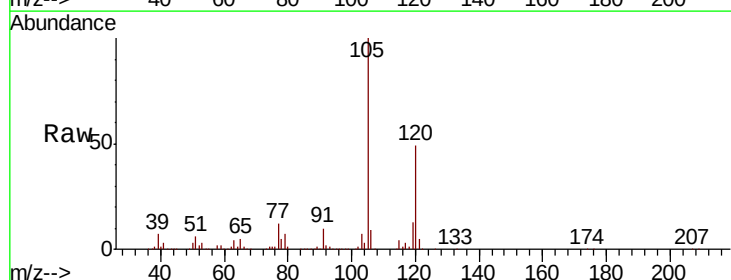
Acq: 30 Jul 2018 11:26

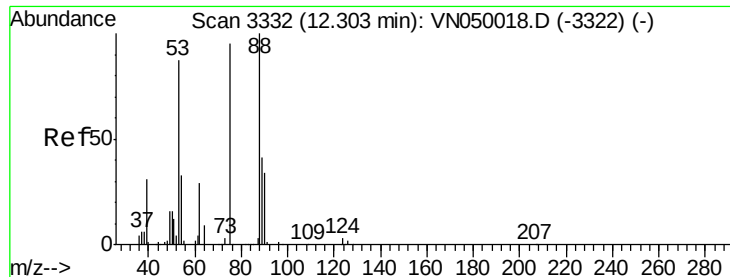
Tgt Ion: 105 Resp: 575078

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.11 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

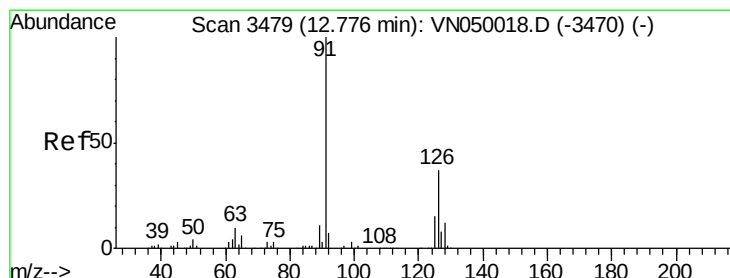
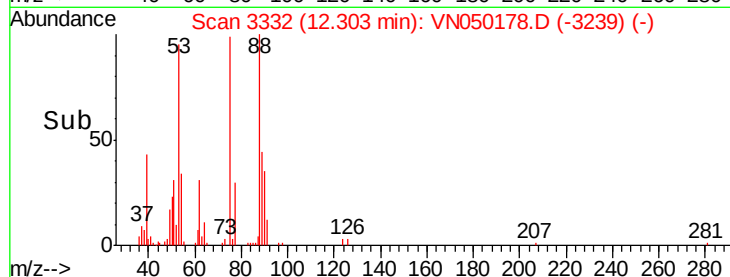
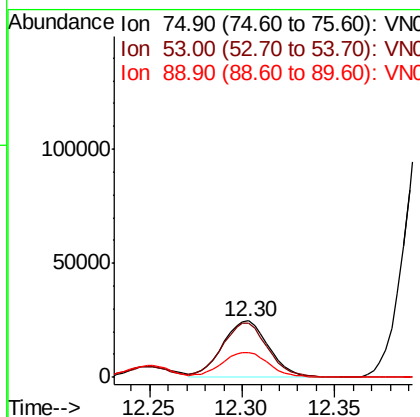
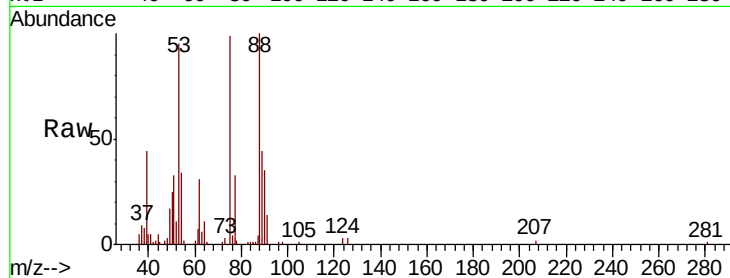
ClientSampled :

VN0730WBS01

Tot Ion:	75	Resp:	42801
Ion Ratio	Lower	Upper	
75	100		
53	93.4	73.5	110.3
89	45.4	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.14 ug/l

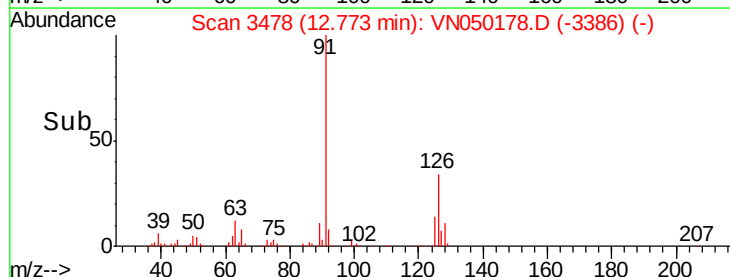
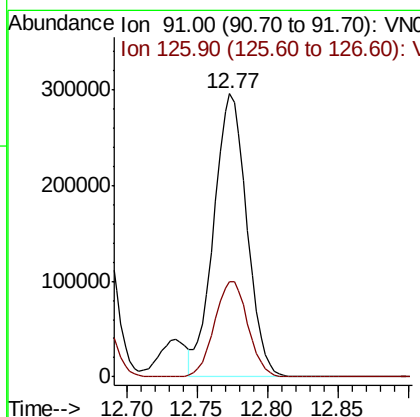
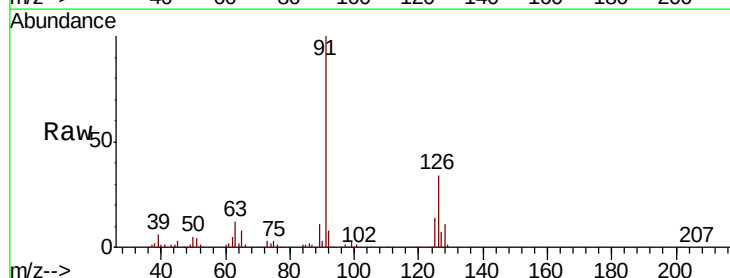
RT: 12.77 min Scan# 3478

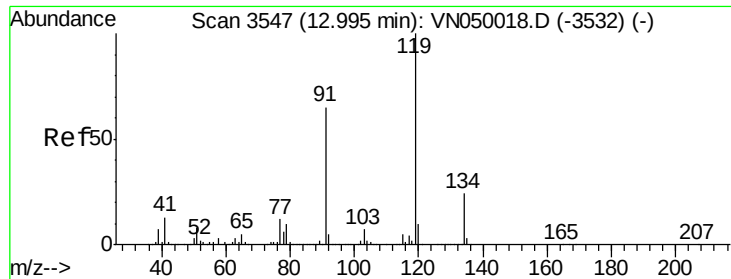
Delta R.T. -0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Tgt Ion:	91	Resp:	480159
Ion Ratio	Lower	Upper	
91	100		
126	34.1	17.0	51.0





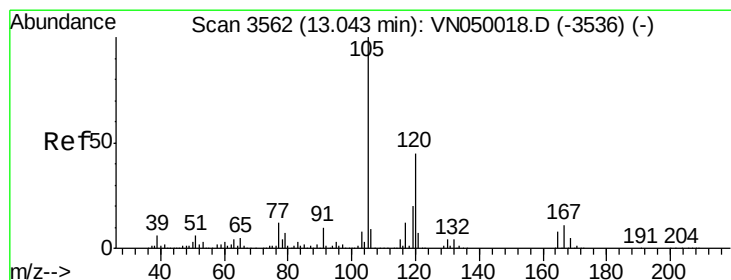
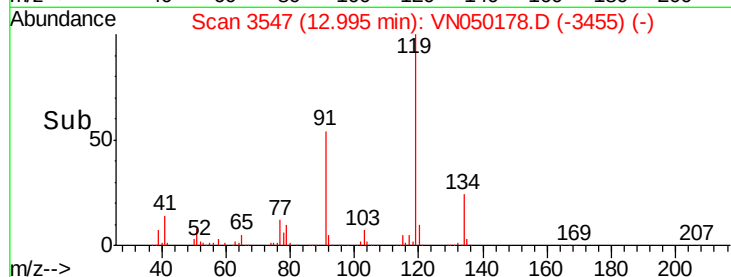
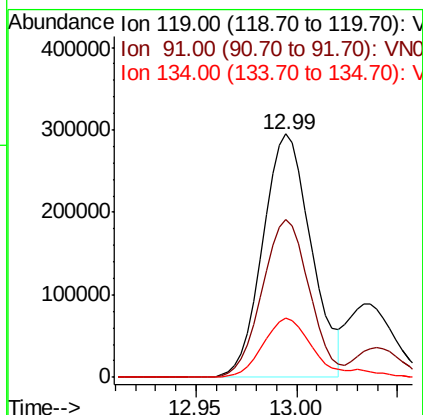
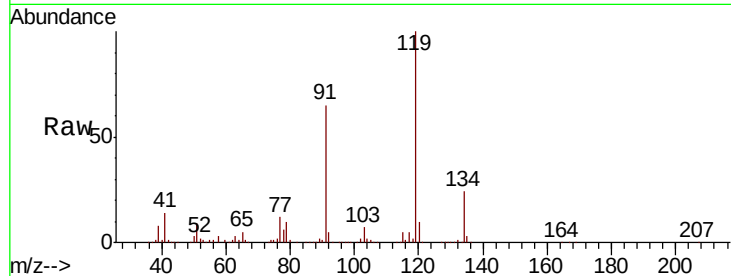
#83
 tert-Butylbenzene
 Concen: 21.67 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	492632		
91	63.4	32.1	96.3	
134	26.2	13.2	39.5	

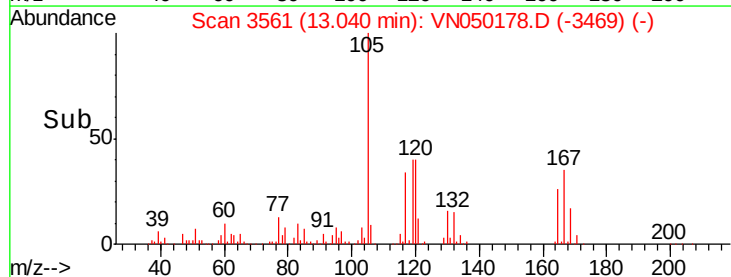
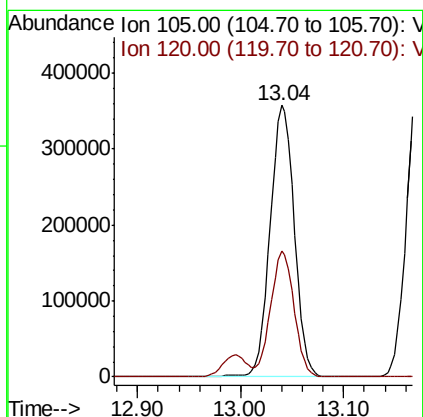
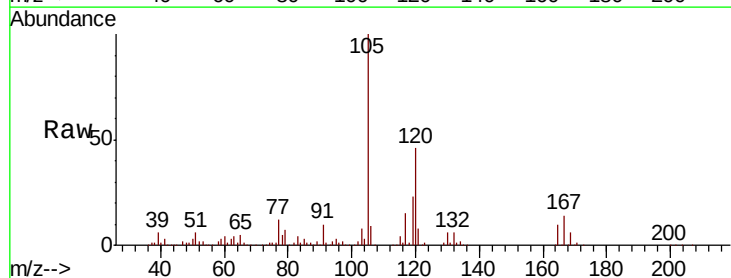
Manual Integrations
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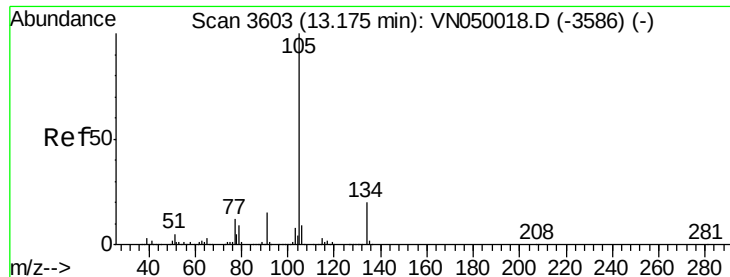
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.12 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	580787		
120	45.3	22.9	68.7	





#85

sec-Butylbenzene

Concen: 21.80 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBS01

Tot Ion:105 Resp: 662176

Ion Ratio Lower Upper

105 100

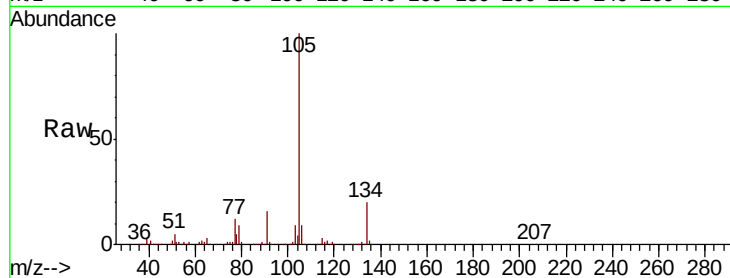
134 20.3 10.1 30.1

Manual Integrations

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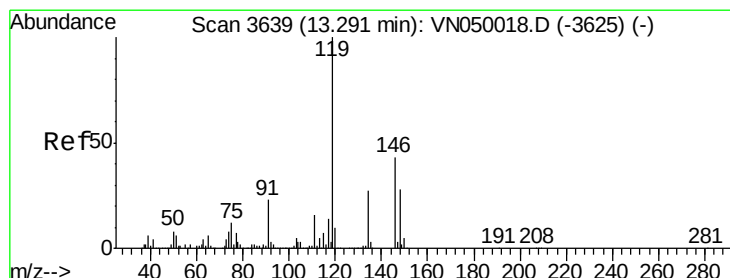
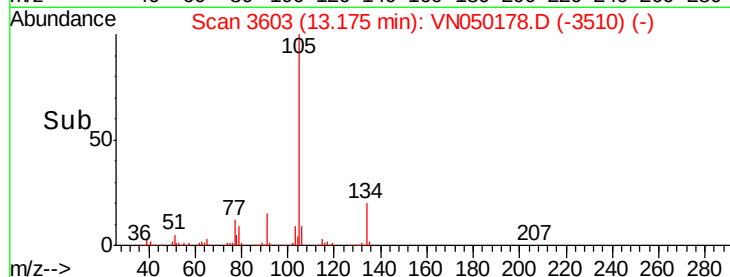
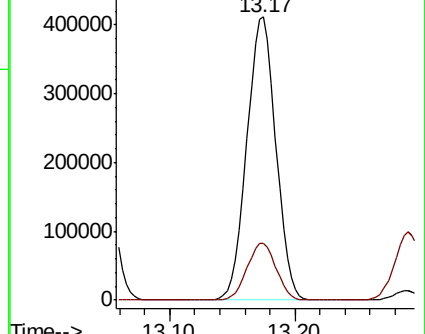
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.96 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050178.D

Acq: 30 Jul 2018 11:26

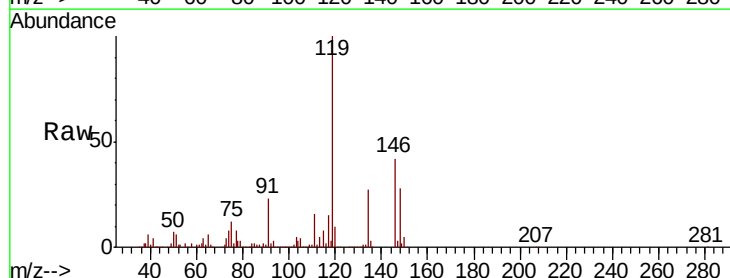
Tgt Ion:119 Resp: 561867

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

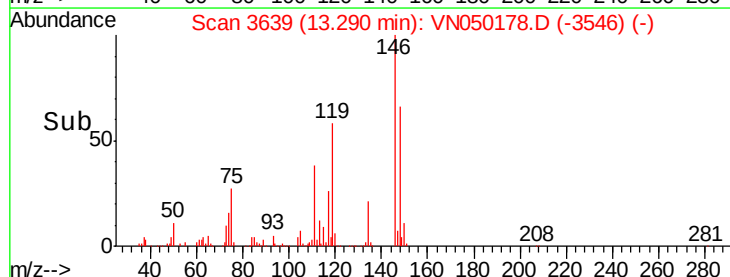
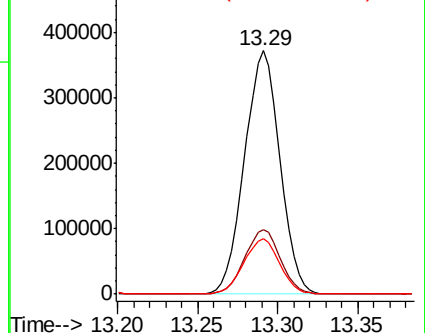
91 23.3 11.4 34.2

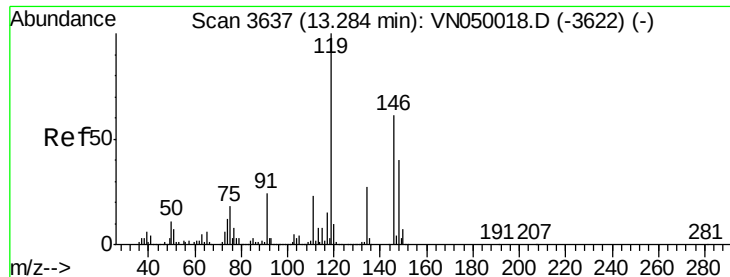


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





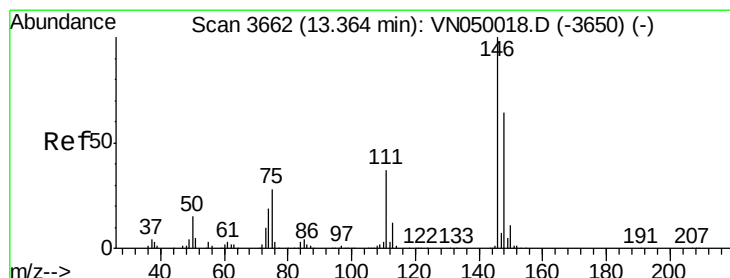
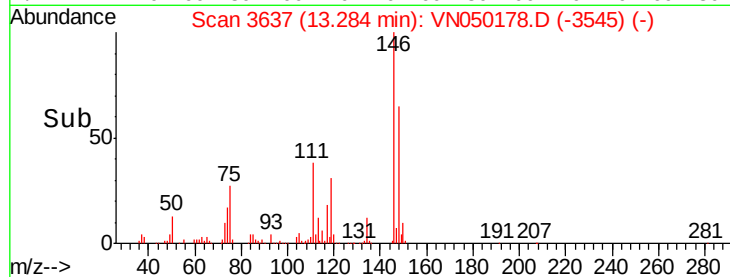
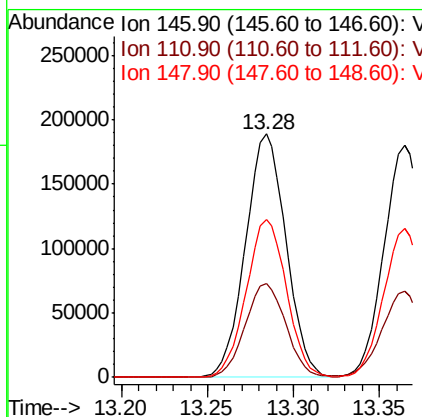
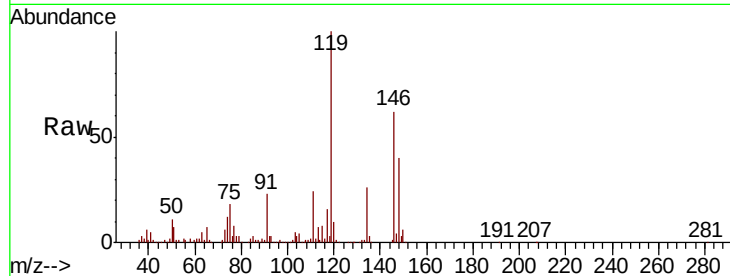
#87
 1,3-Dichlorobenzene
 Concen: 19.84 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	308617		
111	38.6	18.8	56.4	
148	64.3	31.9	95.9	

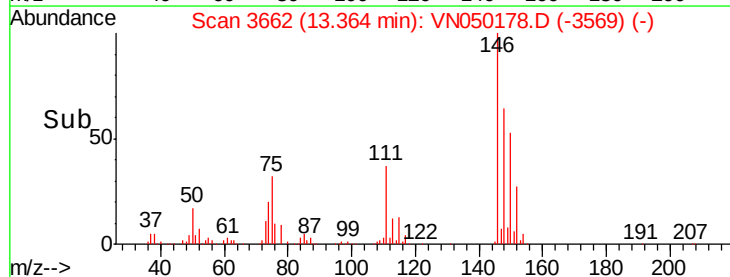
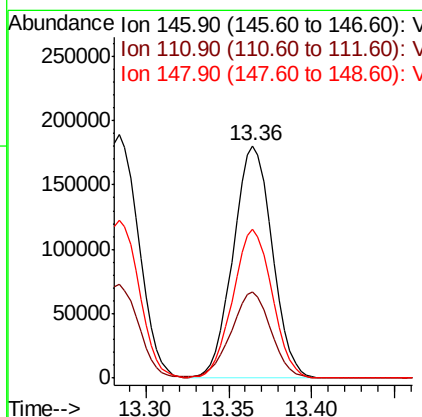
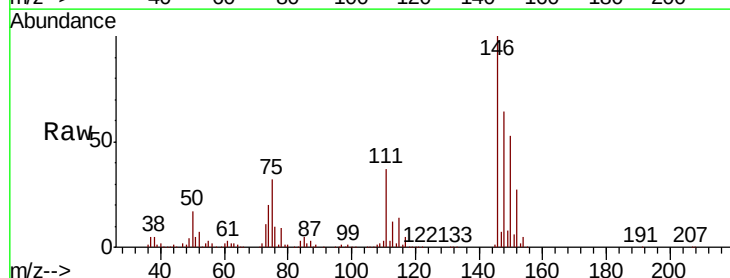
Manual Integrations
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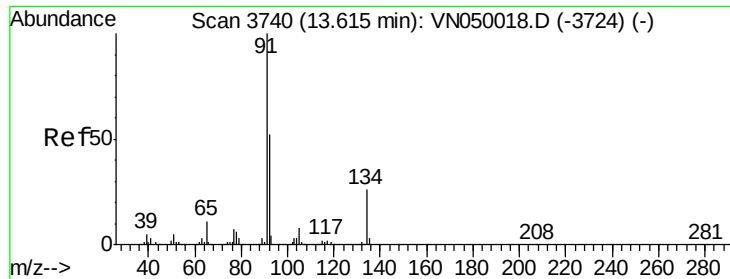
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#88
 1,4-Dichlorobenzene
 Concen: 19.49 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	295585		
111	38.1	18.3	54.9	
148	64.4	31.9	95.9	





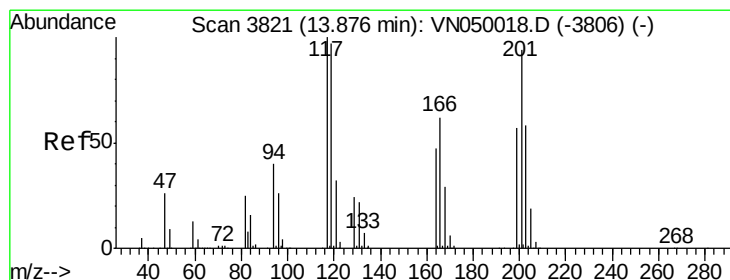
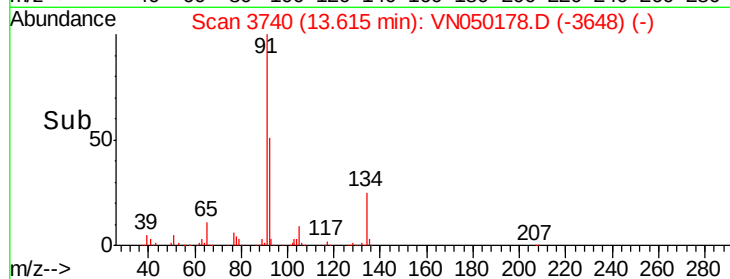
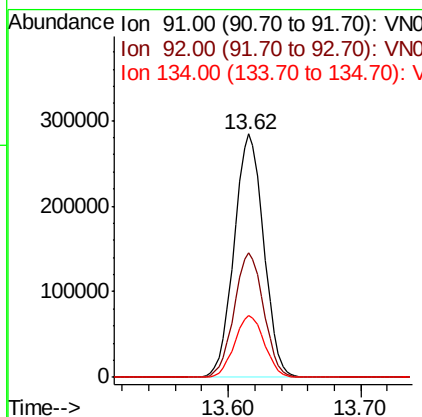
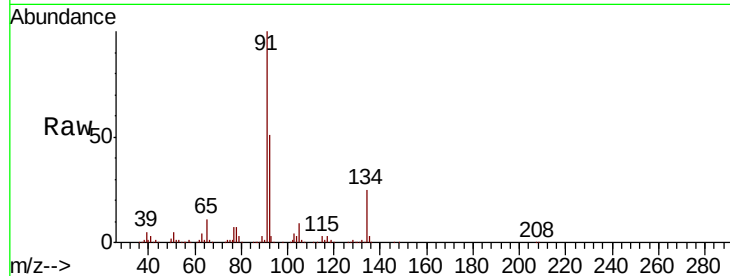
#89
n-Butylbenzene
Concen: 20.89 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.8	77.4
134	25.6	12.8	38.4

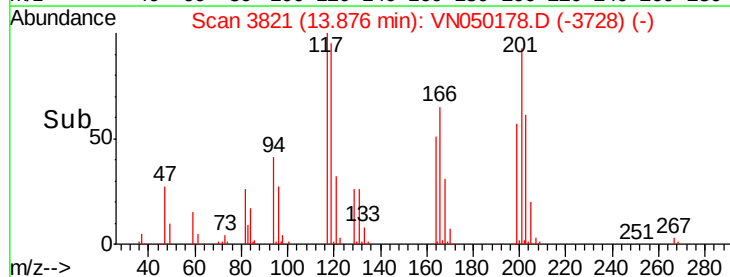
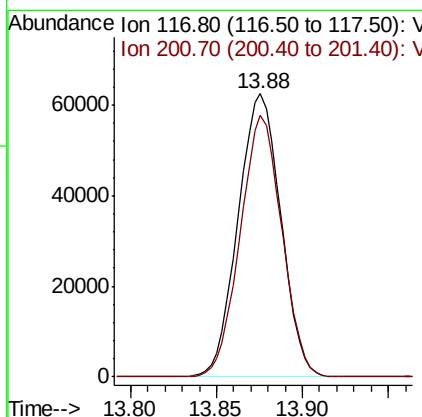
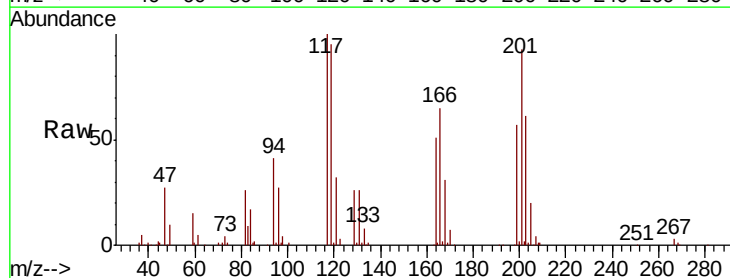
Manual Integrations
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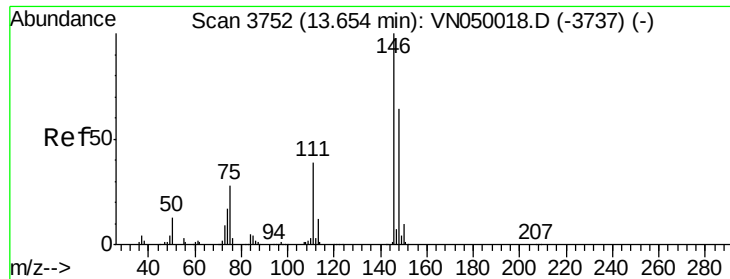
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#90
Hexachloroethane
Concen: 19.00 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.6	45.6	136.8





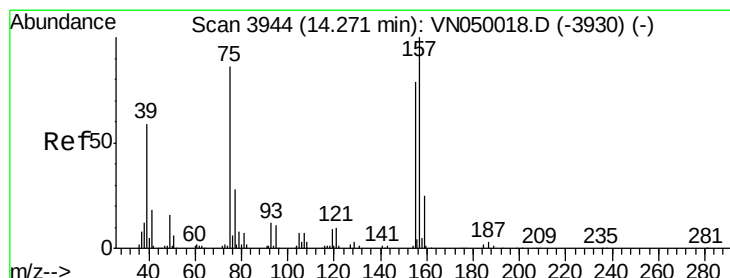
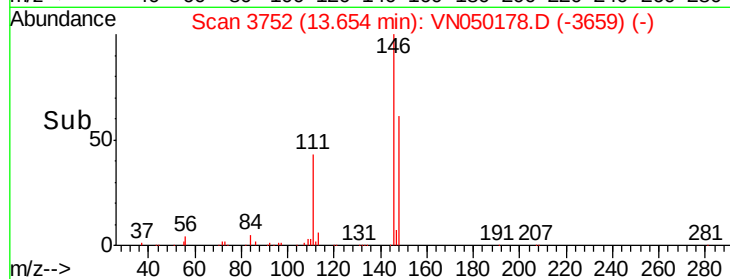
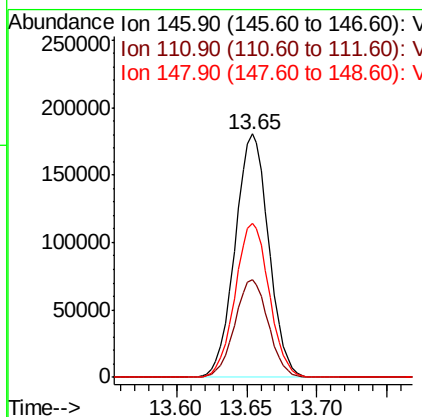
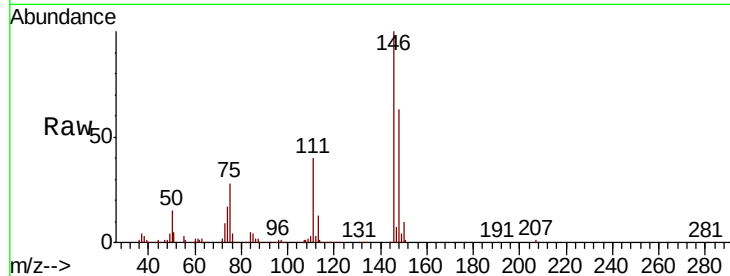
#91
 1,2-Dichlorobenzene
 Concen: 19.41 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.7
148	63.9	32.1	96.3

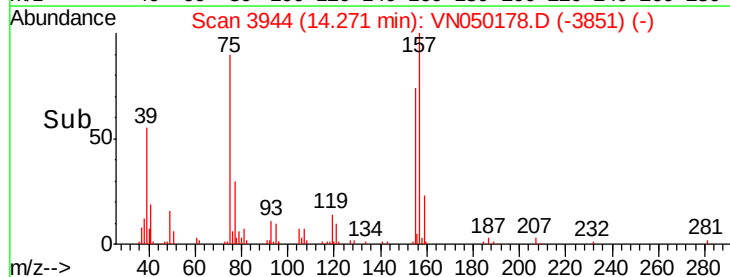
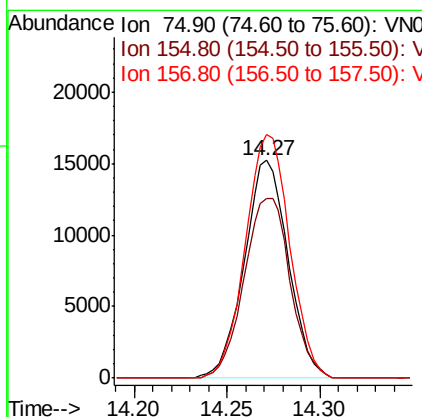
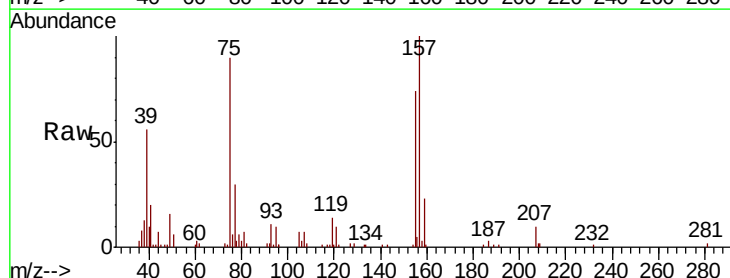
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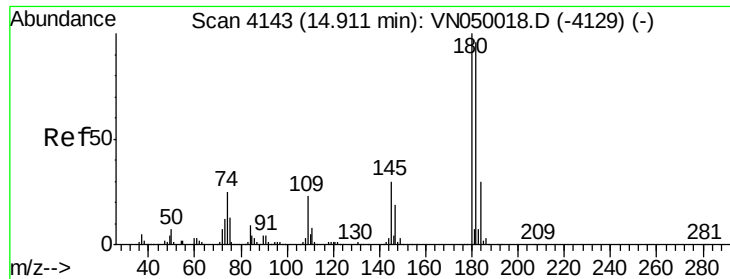
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.48 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	44.8	134.4
157	113.1	57.2	171.6





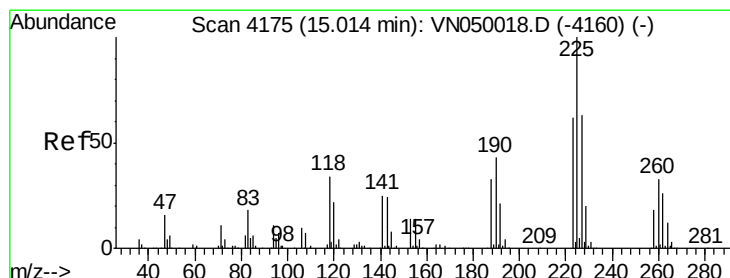
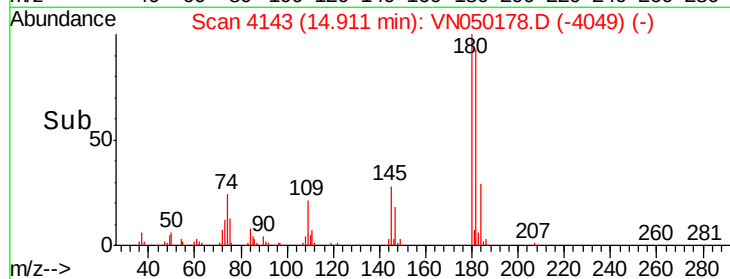
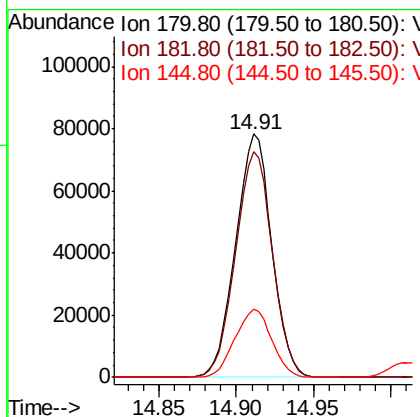
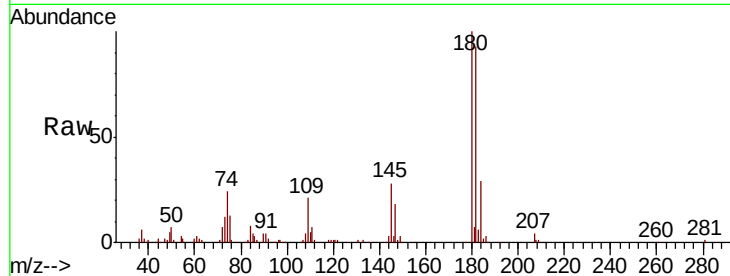
#93
 1,2,4-Trichlorobenzene
 Concen: 17.50 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	126701		
182	94.8	46.7	140.1	
145	28.4	13.8	41.4	

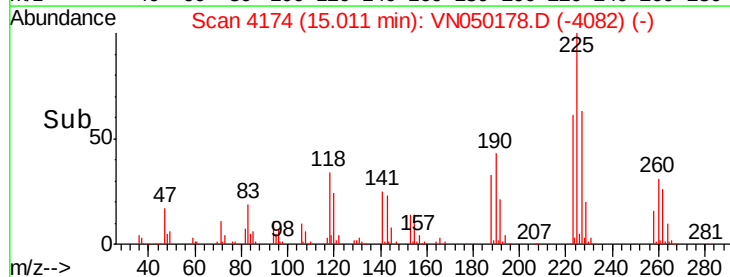
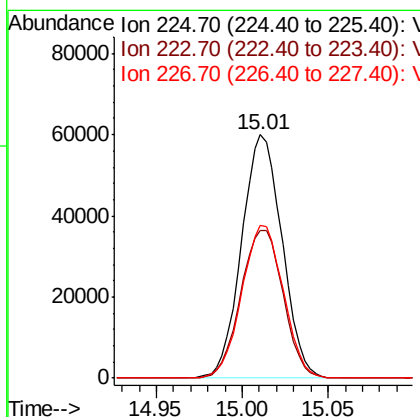
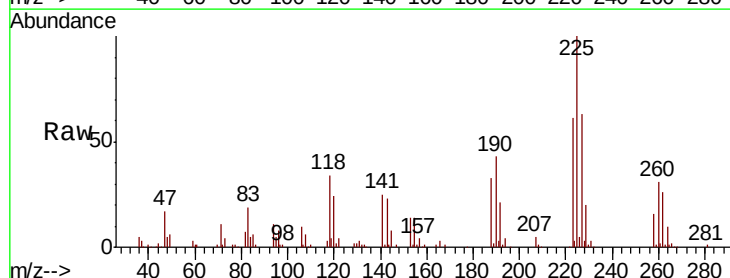
Manual Integrations
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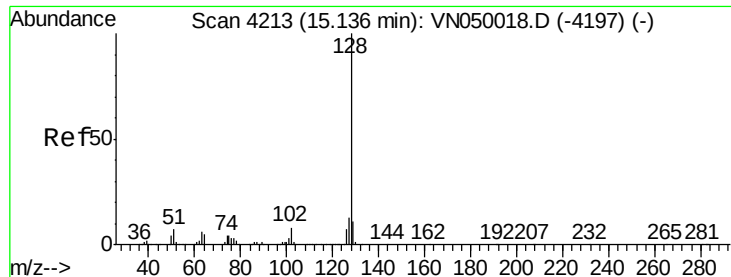
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#94
 Hexachlorobutadiene
 Concen: 20.54 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050178.D
 Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97811		
223	63.4	31.4	94.2	
227	64.4	32.1	96.5	





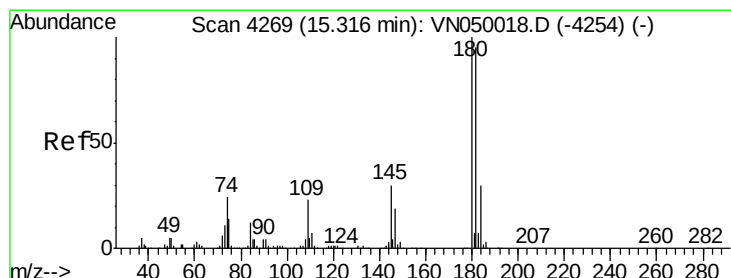
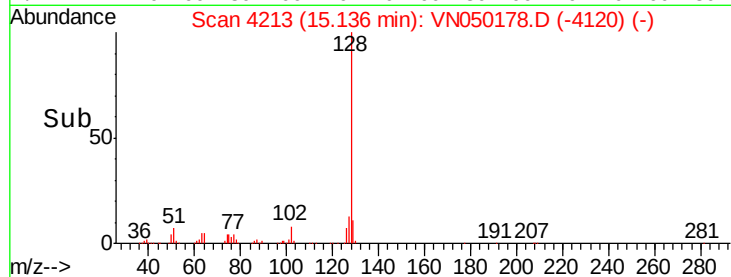
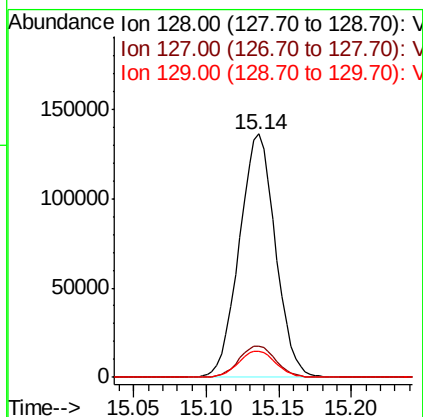
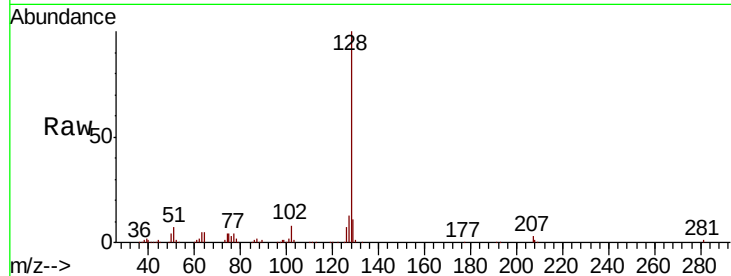
#95
Naphthalene
Concen: 15.44 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	235837		
127	13.2	10.4	15.6	
129	11.1	8.8	13.2	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 17.65 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050178.D
Acq: 30 Jul 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	129802		
182	95.8	48.1	144.4	
145	29.9	15.3	45.9	

