

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050426.D
 Acq On : 7 Aug 2018 12:57
 Operator : MD\SY
 Sample : VN0807MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 10:47:10 AM

Quant Time: Aug 08 05:46:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	638774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	936429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	848017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	431360	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	424364	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
35) Dibromofluoromethane	7.59	113	378938	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.09	98	1416449	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	455489	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	138084	19.47	ug/l	100
3) Chloromethane	2.06	50	170277	19.43	ug/l	99
4) Vinyl Chloride	2.18	62	181007	19.72	ug/l	97
5) Bromomethane	2.56	94	103254	23.29	ug/l	95
6) Chloroethane	2.70	64	108033	19.10	ug/l	99
7) Trichlorofluoromethane	3.01	101	235098	19.83	ug/l	99
8) Diethyl Ether	3.41	74	79981	18.40	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	143457	19.58	ug/l	99
10) Methyl Iodide	3.95	142	65758	20.37	ug/l	99
11) Tert butyl alcohol	4.80	59	52905	77.17	ug/l #	90
12) 1,1-Dichloroethene	3.73	96	130599	18.91	ug/l	98
13) Acrolein	3.61	56	70036	88.82	ug/l	98
14) Allyl chloride	4.32	41	202689	18.28	ug/l	100
15) Acrylonitrile	4.99	53	255973	89.13	ug/l	100
16) Acetone	3.82	43	229570	89.97	ug/l	100
17) Carbon Disulfide	4.05	76	397880	17.72	ug/l	99
18) Methyl Acetate	4.33	43	122350	18.38	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	360292	18.38	ug/l	99
20) Methylene Chloride	4.55	84	157686	19.31	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	141700	18.96	ug/l	99
22) Diisopropyl ether	5.96	45	452645	19.98	ug/l	97
23) Vinyl Acetate	5.90	43	1507681	93.27	ug/l	100
24) 1,1-Dichloroethane	5.85	63	268939	19.35	ug/l	100
25) 2-Butanone	6.84	43	368614	87.16	ug/l	100
26) 2,2-Dichloropropane	6.83	77	218811	19.09	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	159692	19.28	ug/l	99
28) Bromochloromethane	7.20	49	122983	19.22	ug/l	99
29) Tetrahydrofuran	7.22	42	193699	85.57	ug/l	99
30) Chloroform	7.38	83	277445	19.96	ug/l	97
31) Cyclohexane	7.66	56	231649	18.54	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	233769	19.59	ug/l	100
36) 1,1-Dichloropropene	7.80	75	203777	19.81	ug/l	99
37) Ethyl Acetate	6.94	43	136183	18.38	ug/l	100
38) Carbon Tetrachloride	7.78	117	205807	19.17	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	207878	18.51	ug/l	99
40) Benzene	8.04	78	631395	19.96	ug/l	99
41) Methacrylonitrile	7.18	41	71718	18.20	ug/l #	77
42) 1,2-Dichloroethane	8.13	62	200086	19.92	ug/l	99
43) Isopropyl Acetate	8.17	43	239060	18.69	ug/l	99
44) Trichloroethene	8.84	130	163145	19.19	ug/l	96
45) 1,2-Dichloropropane	9.12	63	165307	19.88	ug/l	99
46) Dibromomethane	9.21	93	97880	19.06	ug/l	96
47) Bromodichloromethane	9.41	83	205709	19.34	ug/l	100
48) Methyl methacrylate	9.20	41	113172	17.65	ug/l	98
49) 1,4-Dioxane	9.20	88	31961	323.43	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	833629	90.50	ug/l	100
52) Toluene	10.16	92	381619	20.08	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	200796	18.80	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	233867	19.62	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	144078	19.42	ug/l	98
56) Ethyl methacrylate	10.43	69	168908	17.25	ug/l	99
57) 1,3-Dichloropropane	10.71	76	238566	19.59	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	410922	88.89	ug/l	99
59) 2-Hexanone	10.75	43	560545	87.19	ug/l	100
60) Dibromochloromethane	10.90	129	157338	19.25	ug/l	98
61) 1,2-Dibromoethane	11.01	107	138375	18.92	ug/l	97
64) Tetrachloroethene	10.63	164	161820	20.42	ug/l	99
65) Chlorobenzene	11.44	112	405730	19.08	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	155419	20.09	ug/l	99
67) Ethyl Benzene	11.51	91	674899	19.64	ug/l	99
68) m/p-Xylenes	11.62	106	530030	40.51	ug/l	100
69) o-Xylene	11.95	106	247779	19.66	ug/l	99
70) Styrene	11.97	104	410274	20.02	ug/l	99
71) Bromoform	12.13	173	106564	18.84	ug/l #	99
73) Isopropylbenzene	12.25	105	655502	20.24	ug/l	100
74) N-amyl acetate	12.07	43	187576	17.87	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	179198	19.18	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	141671m	18.14	ug/l	
77) Bromobenzene	12.53	156	173840	20.04	ug/l	100
78) n-propylbenzene	12.59	91	751572	20.51	ug/l	100
79) 2-Chlorotoluene	12.68	91	459174	20.28	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	548988	20.89	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	44619	20.08	ug/l	96
82) 4-Chlorotoluene	12.78	91	459962	20.38	ug/l	98
83) tert-Butylbenzene	12.99	119	458481	19.99	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	559891	21.03	ug/l	99
85) sec-Butylbenzene	13.17	105	620190	20.29	ug/l	99
86) p-Isopropyltoluene	13.29	119	531154	20.28	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	300764	19.47	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	292861	18.98	ug/l	98
89) n-Butylbenzene	13.62	91	413951	18.56	ug/l	99
90) Hexachloroethane	13.88	117	91603	19.67	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	297549	19.21	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26209	16.52	ug/l	99

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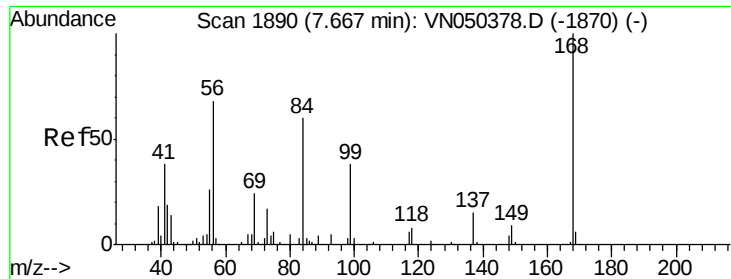
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	137886	17.48	ug/l	100
94) Hexachlorobutadiene	15.01	225	87665	19.34	ug/l	100
95) Naphthalene	15.14	128	283617	16.22	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	136619	17.13	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Instrument :

MSVOA_N

ClientSampled :

VN0807MBS01

Tot Ion:168 Resp: 638774

Ion Ratio Lower Upper

168 100

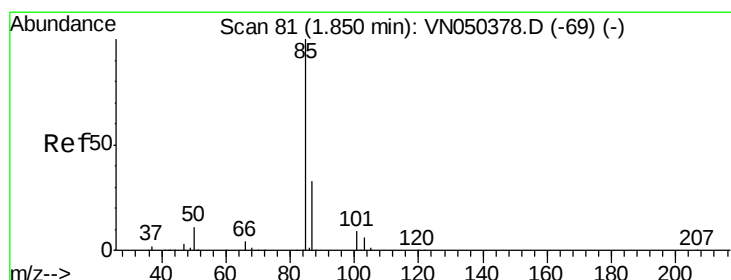
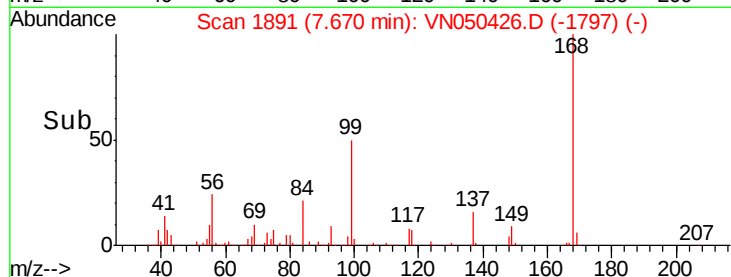
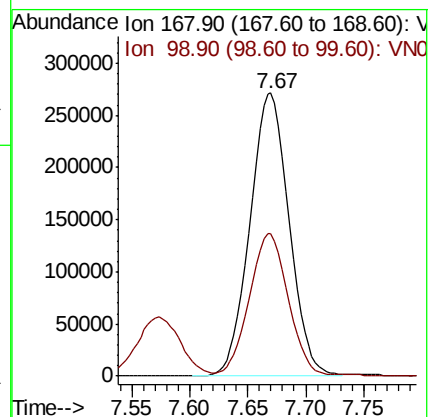
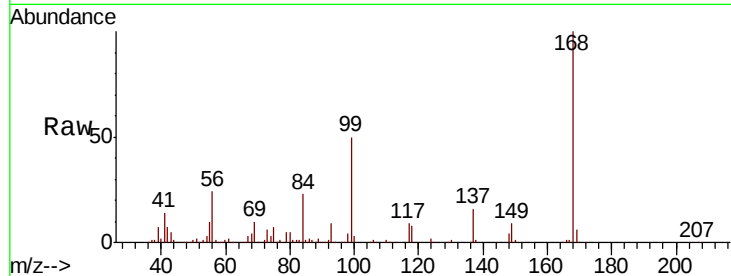
99 49.8 40.0 60.0

Manual Integrations

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8/8/2018 10:47:10 AM



#2

Dichlorodifluoromethane

Concen: 19.47 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050426.D

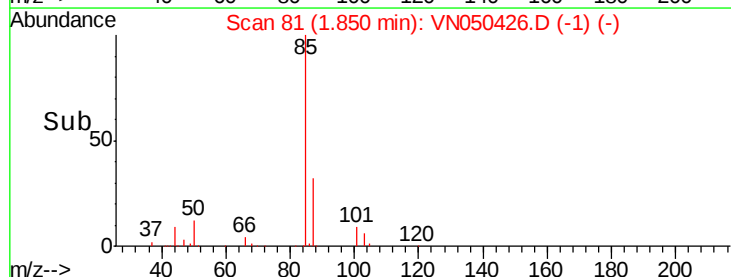
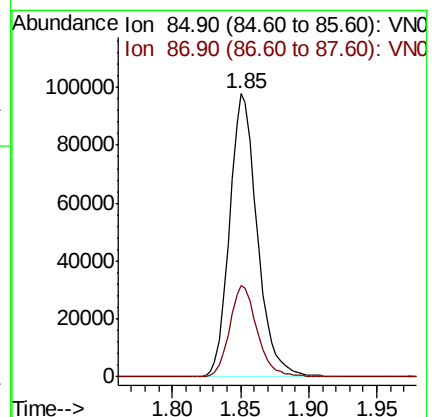
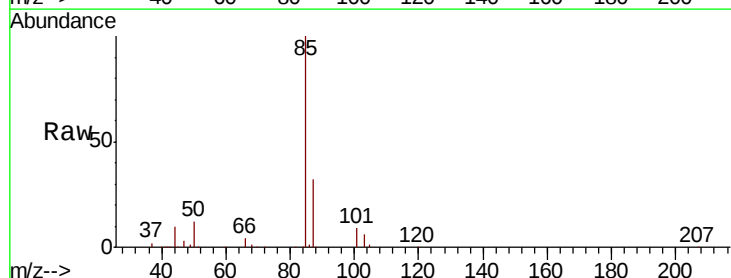
Acq: 7 Aug 2018 12:57

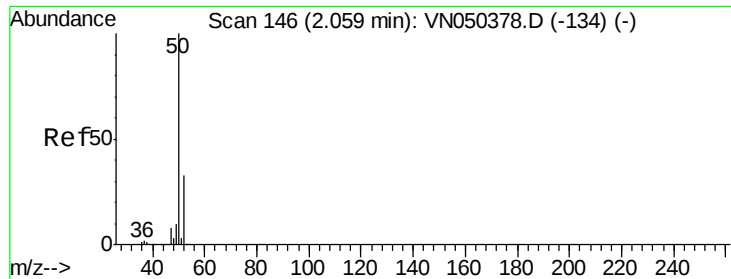
Tgt Ion: 85 Resp: 138084

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3





#3

Chloromethane

Concen: 19.43 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBS01

Tot Ion: 50 Resp: 170277

Ion Ratio Lower Upper

50 100

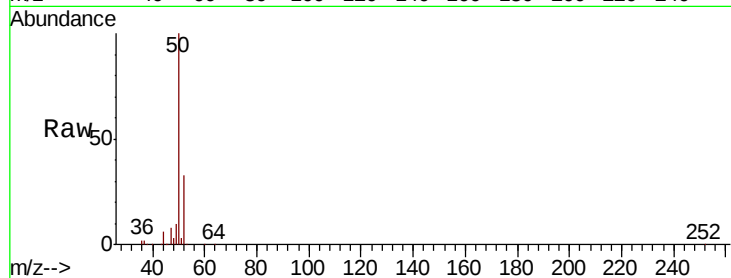
52 32.9 25.9 38.9

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

150000

100000

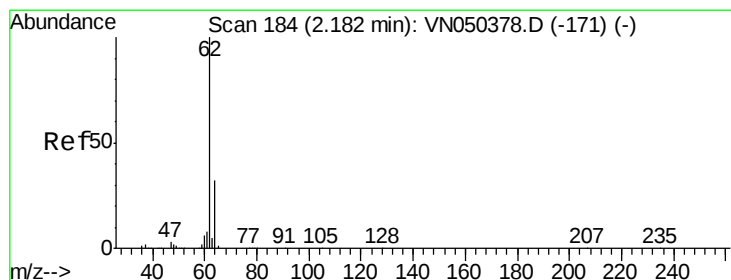
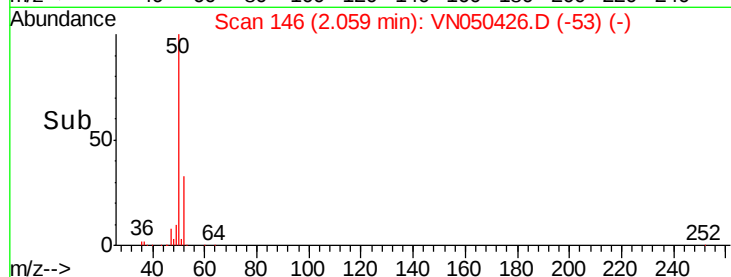
50000

0

2.06

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 19.72 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050426.D

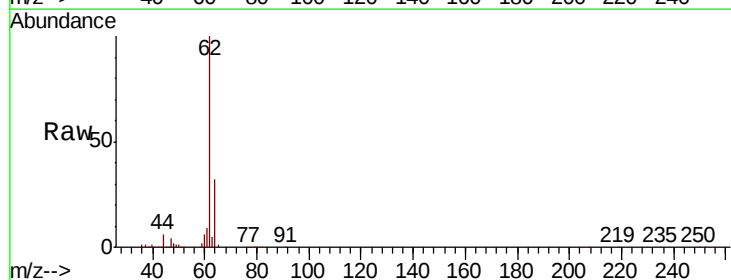
Acq: 7 Aug 2018 12:57

Tgt Ion: 62 Resp: 181007

Ion Ratio Lower Upper

62 100

64 32.4 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

100000

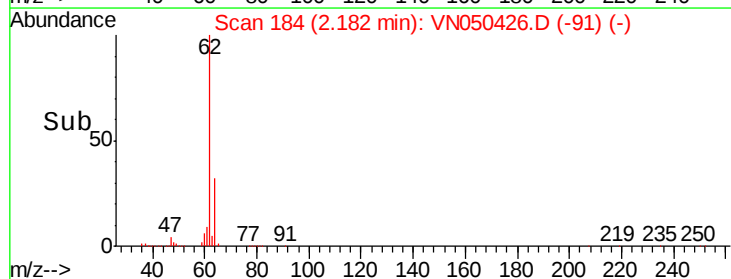
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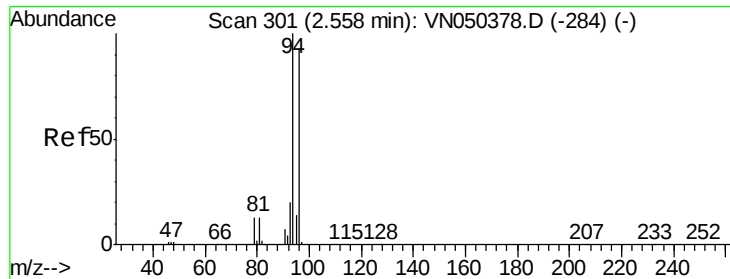
0

2.18

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 23.29 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBS01

Tot Ion: 94 Resp: 103254

Ion Ratio Lower Upper

94 100

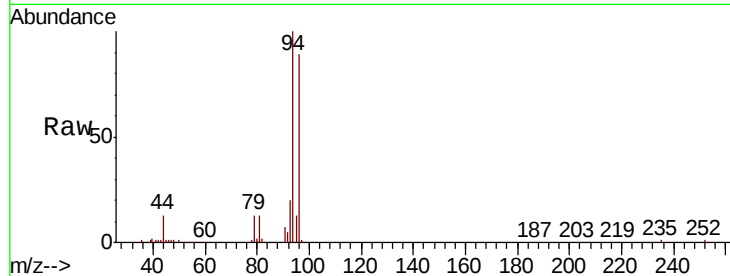
96 88.9 74.6 112.0

Manual Integrations

APPROVED

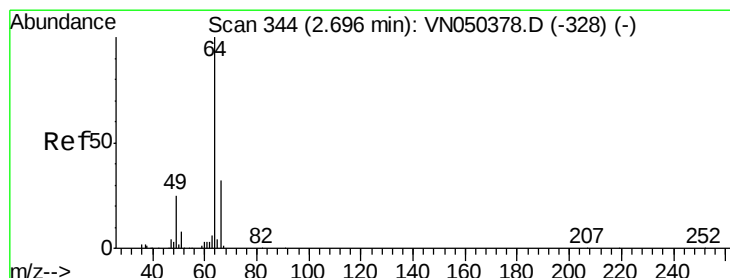
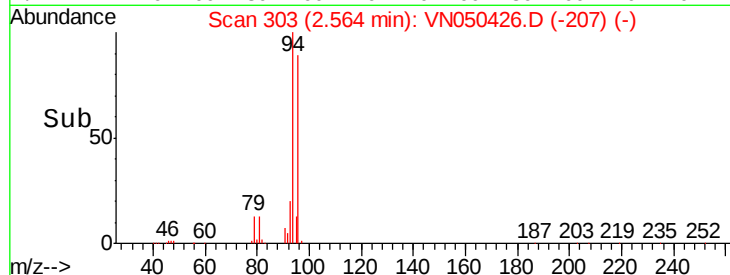
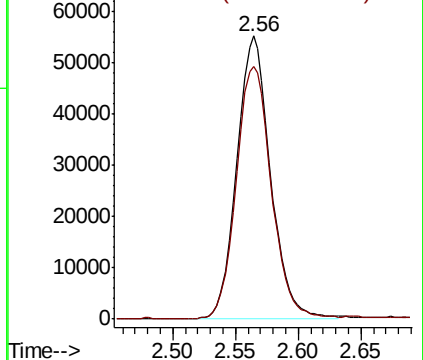
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.10 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050426.D

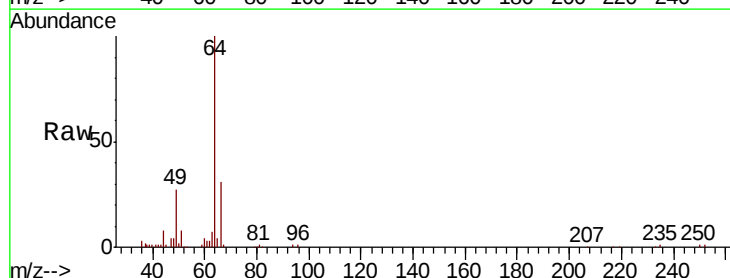
Acq: 7 Aug 2018 12:57

Tgt Ion: 64 Resp: 108033

Ion Ratio Lower Upper

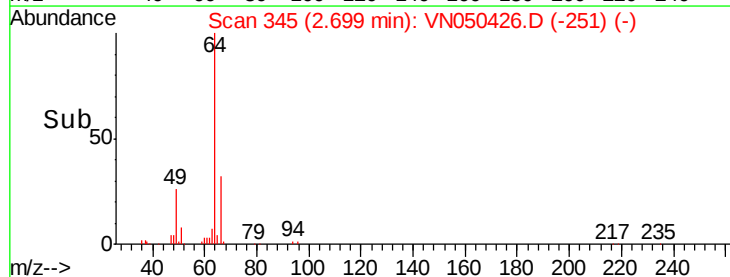
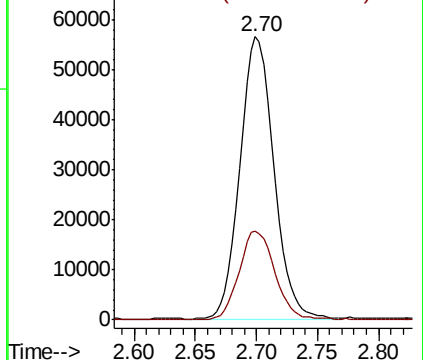
64 100

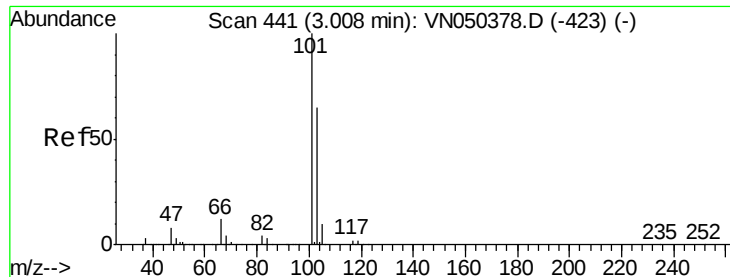
66 31.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

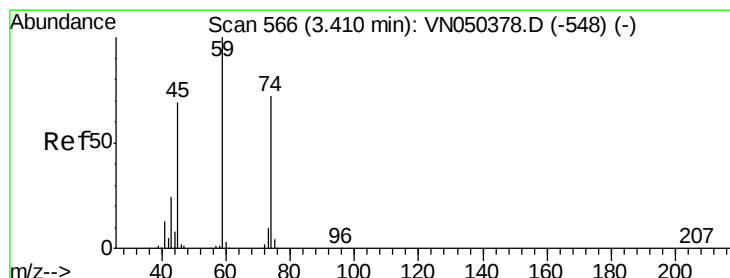
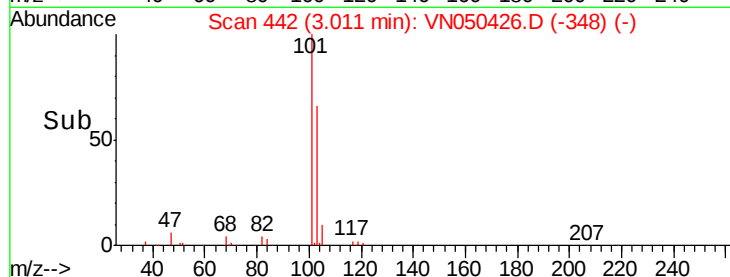
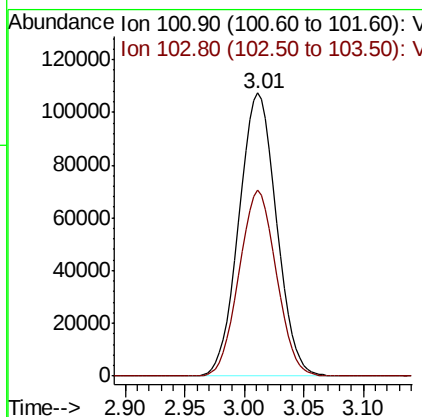
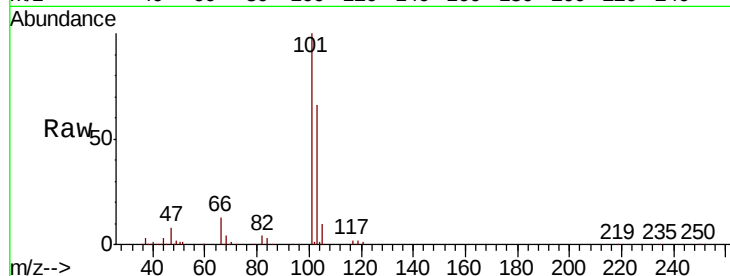
Trichlorofluoromethane
Concen: 19.83 ug/l
RT: 3.01 min Scan# 442
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
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ClientSampleId :
VN0807MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.7	77.5

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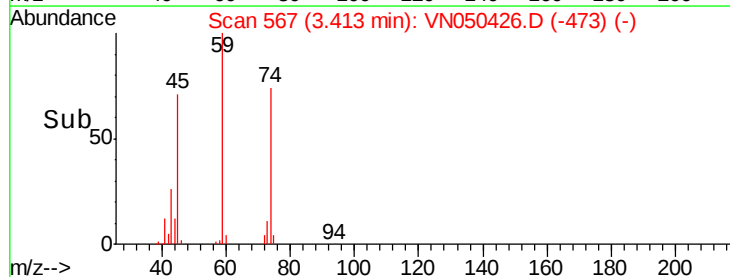
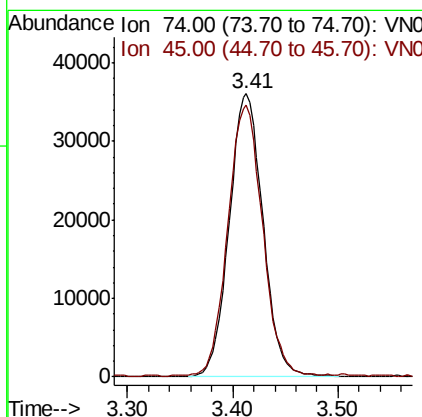
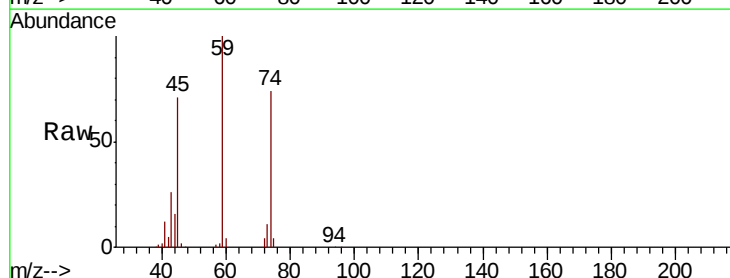
MMDadoda
8/8/2018 10:47:10 AM

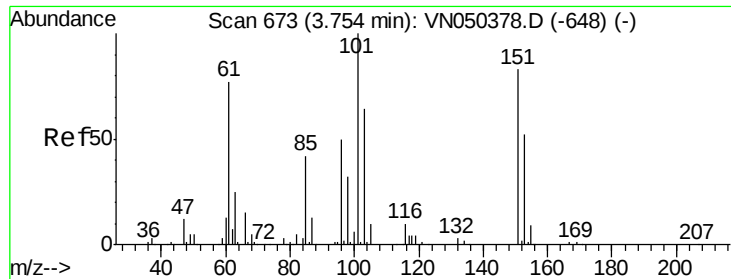


#8

Diethyl Ether
Concen: 18.40 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.58 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Instrument :

MSVOA_N

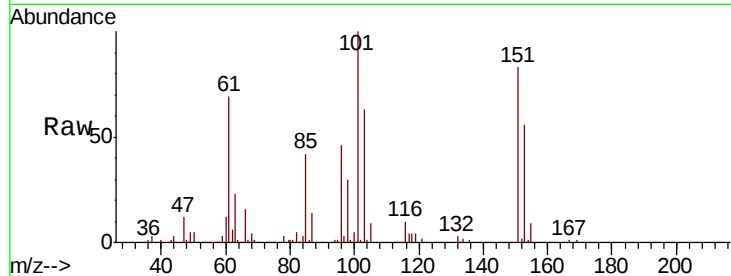
ClientSampled :

VN0807MBS01

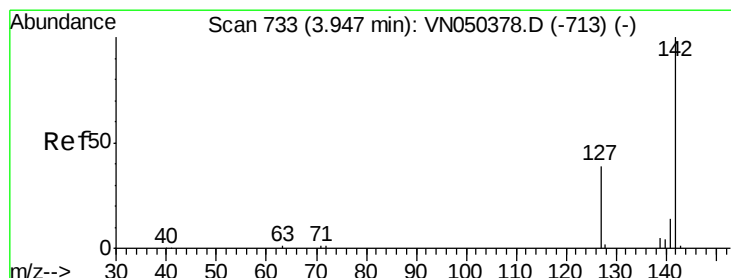
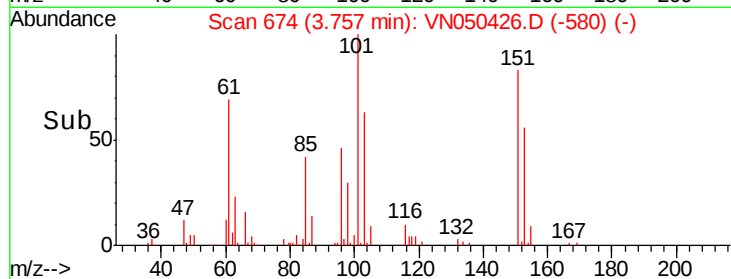
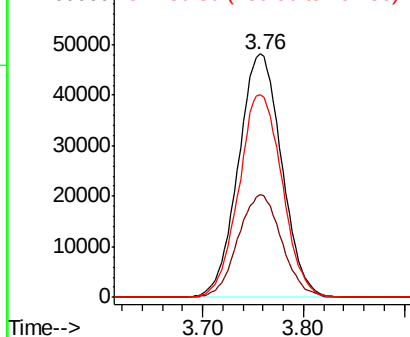
Tot Ion:	101	Resp:	143457
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.2
151	83.6	66.3	99.5

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



#10

Methyl Iodide

Concen: 20.37 ug/l

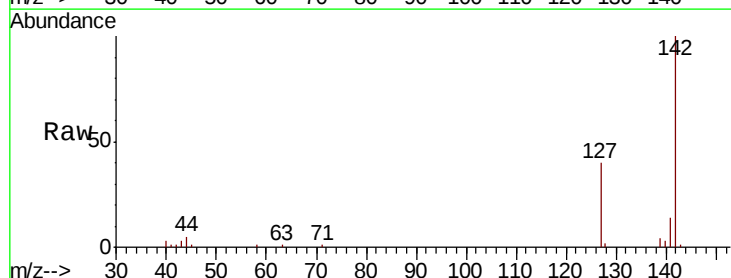
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

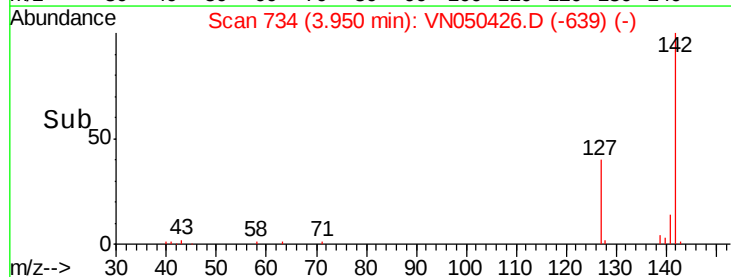
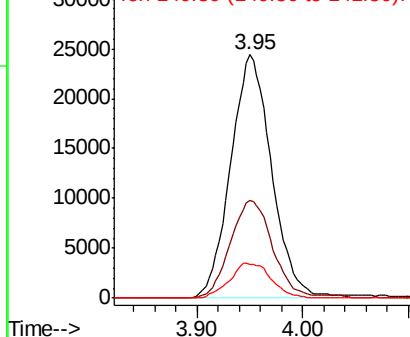
Lab File: VN050426.D

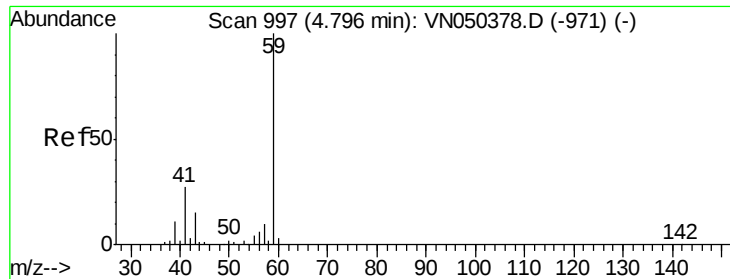
Acq: 7 Aug 2018 12:57

Tgt Ion:	142	Resp:	65758
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.4	50.2
141	14.6	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





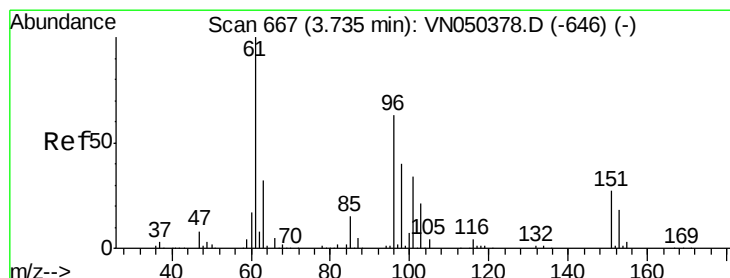
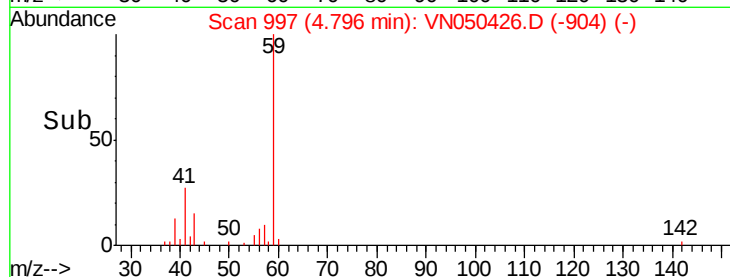
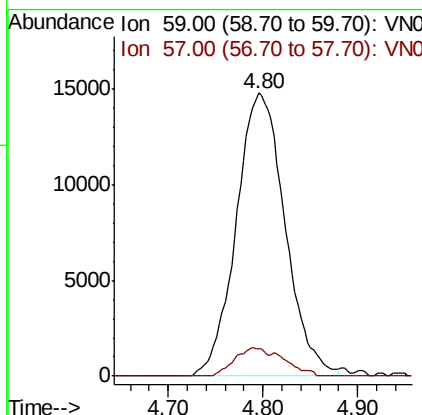
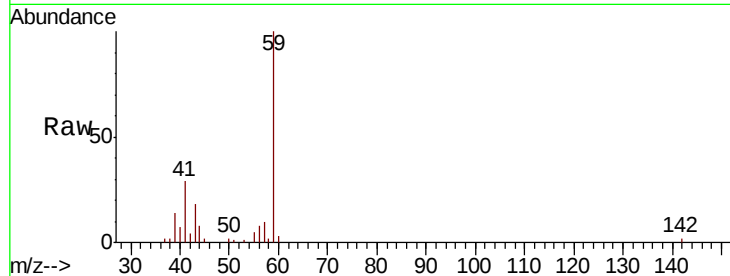
#11
Tert butyl alcohol
Concen: 77.17 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0807MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.8	8.5	12.7#

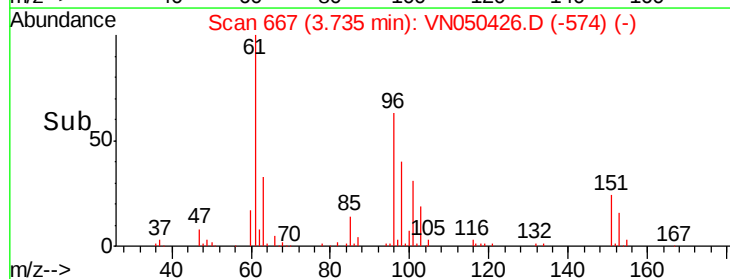
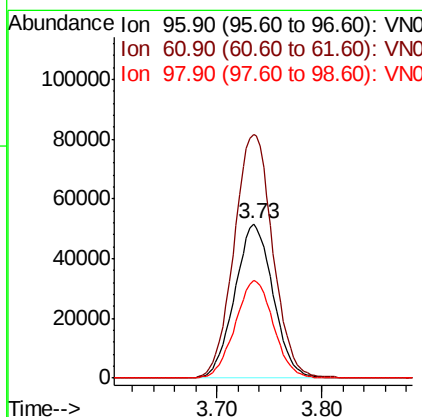
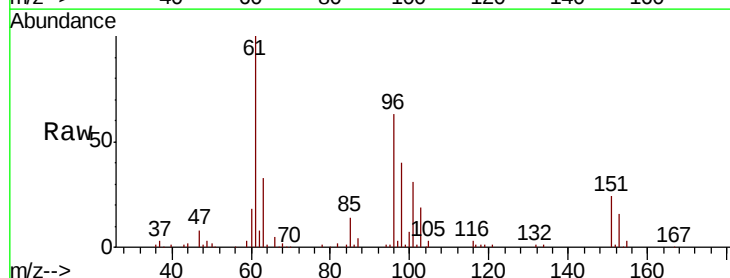
Manual Integrations
APPROVED

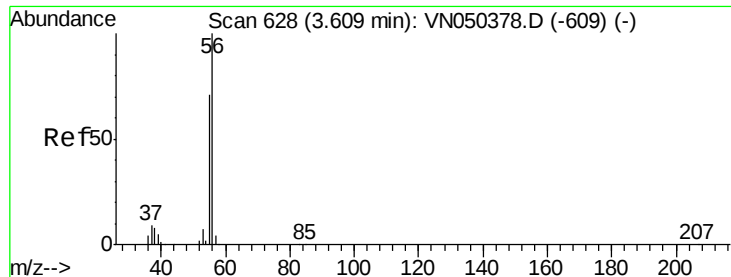
MMDadoda
8/8/2018 10:47:10 AM



#12
1,1-Dichloroethene
Concen: 18.91 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.6	124.4	186.6
98	63.1	48.3	72.5





#13

Acrolein

Concen: 88.82 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBS01

Tot Ion: 56 Resp: 70036

Ion Ratio Lower Upper

56 100

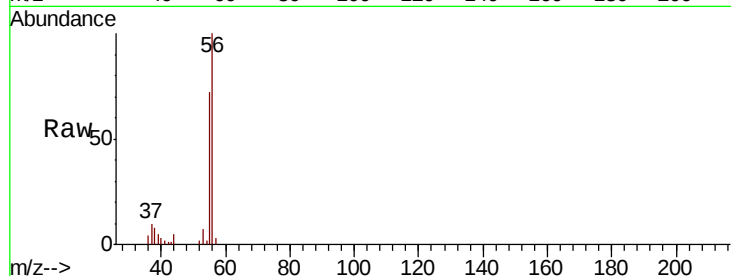
55 71.5 55.8 83.6

Manual Integrations

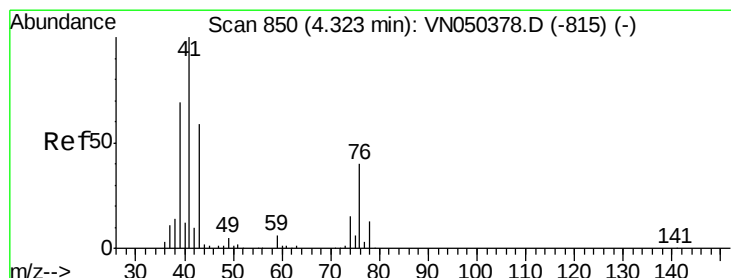
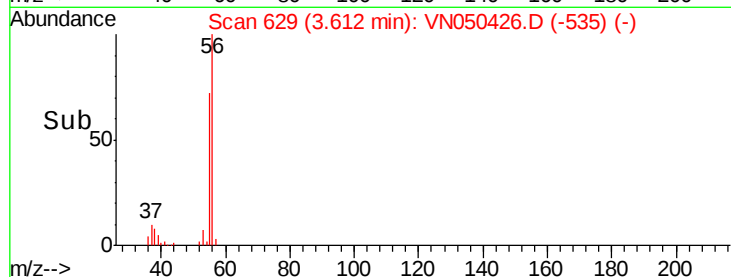
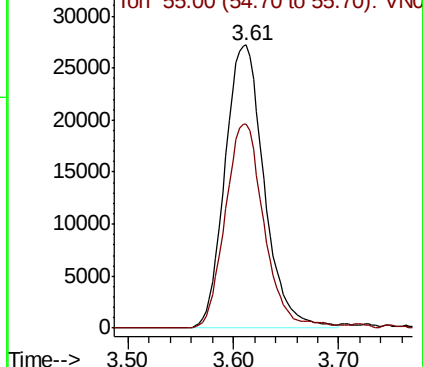
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Abundance Ion 56.00 (55.70 to 56.70): VN050378.D (-609) (-)



#14

Allyl chloride

Concen: 18.28 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

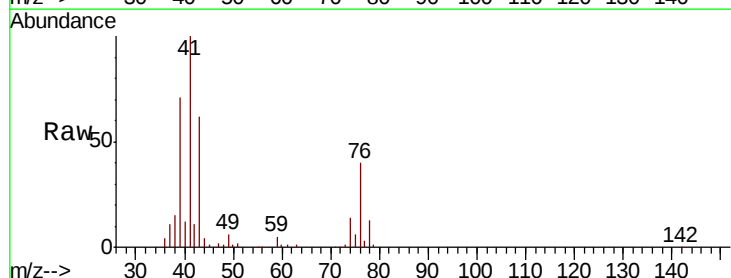
Tgt Ion: 41 Resp: 202689

Ion Ratio Lower Upper

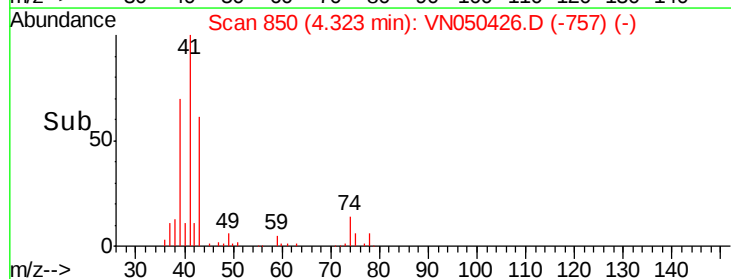
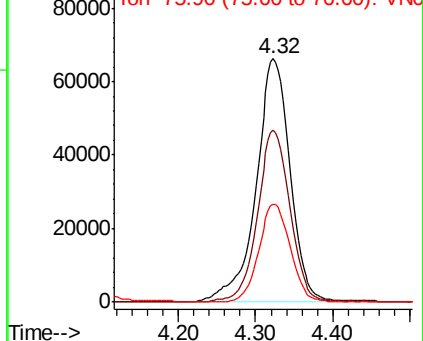
41 100

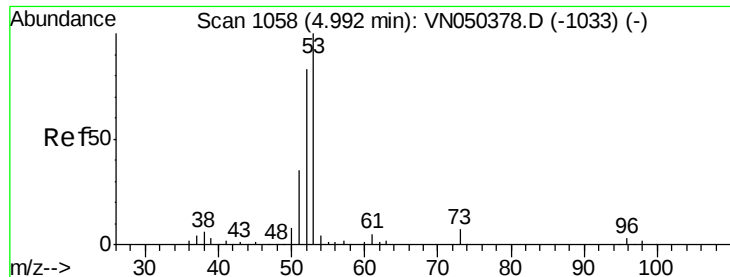
39 67.5 54.2 81.4

76 36.6 29.0 43.6



Abundance Ion 41.00 (40.70 to 41.70): VN050378.D (-815) (-)





#15

Acrylonitrile

Concen: 89.13 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Instrument :

MSVOA_N

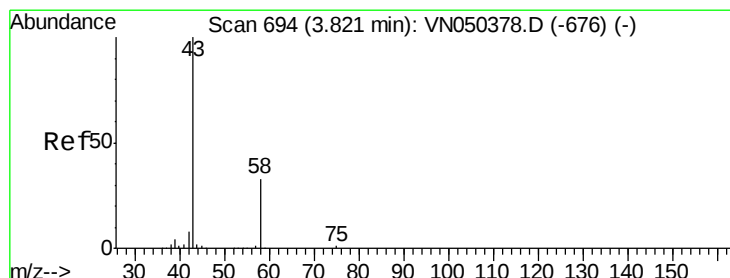
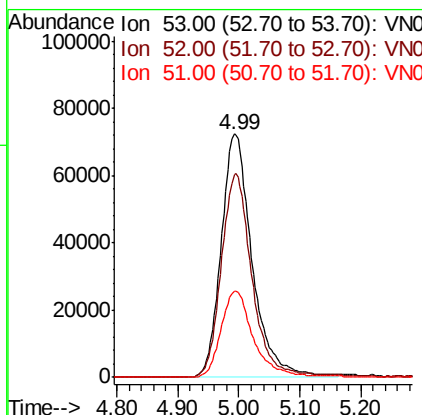
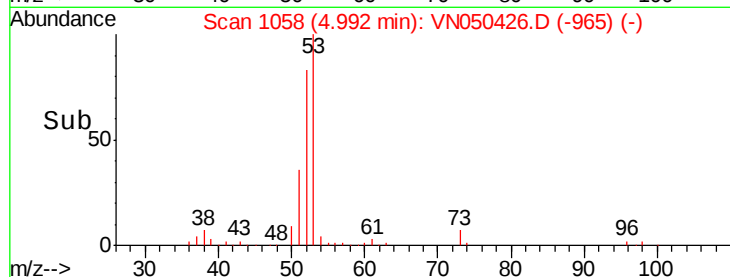
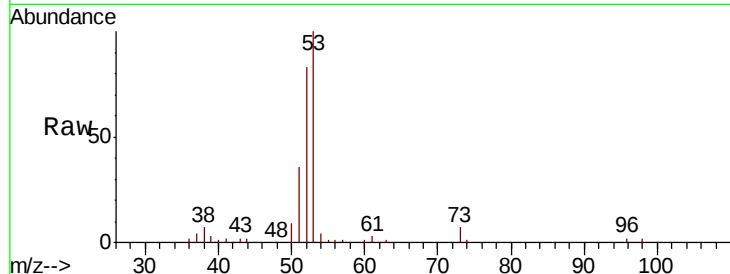
ClientSampleId :

VN0807MBS01

Tot Ion:	53	Resp:	255973
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	37.0	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 89.97 ug/l

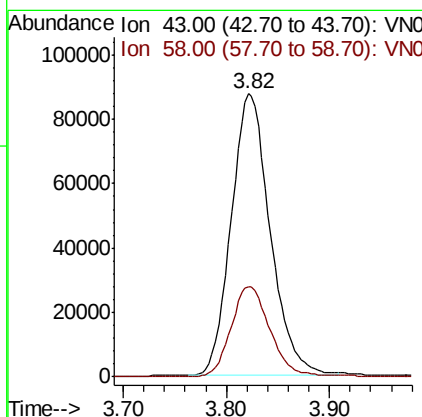
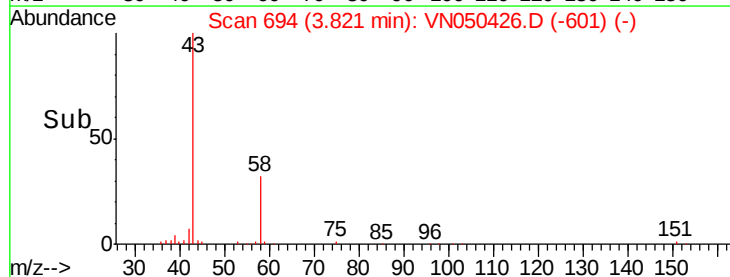
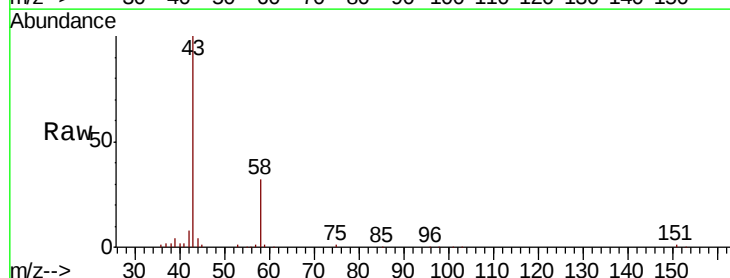
RT: 3.82 min Scan# 694

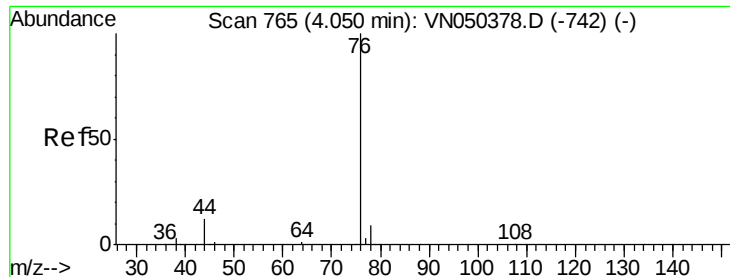
Delta R.T. 0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Tgt Ion:	43	Resp:	229570
Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.8	38.8





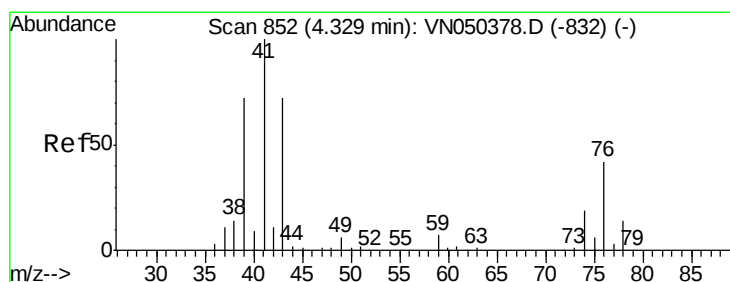
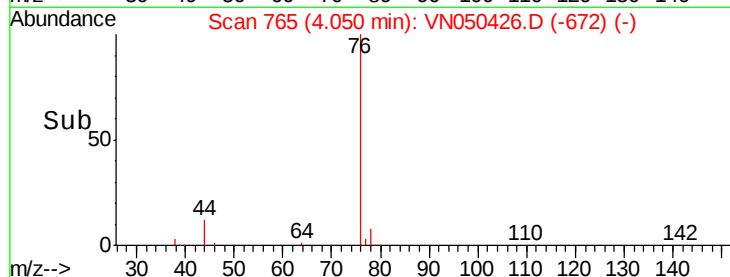
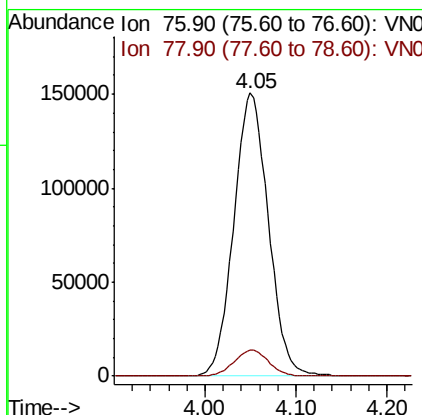
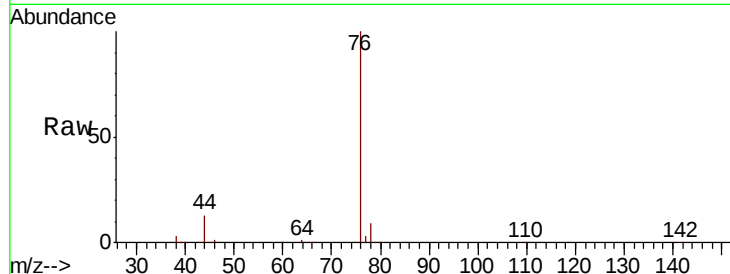
#17
Carbon Disulfide
Concen: 17.72 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0807MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

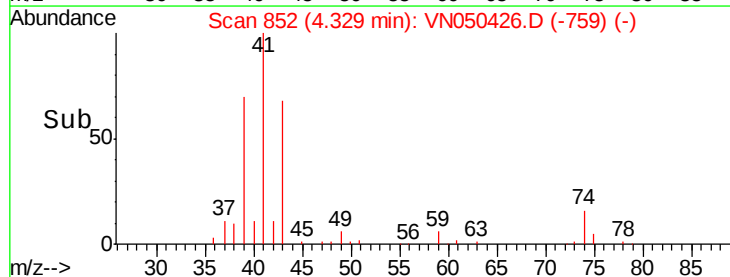
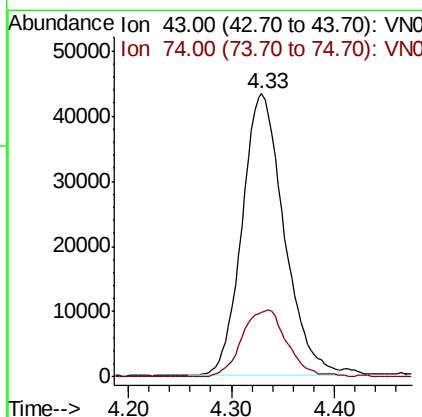
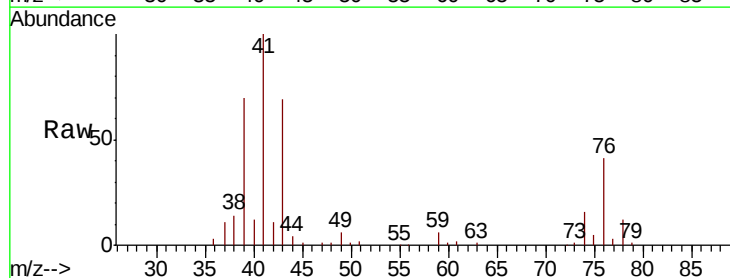
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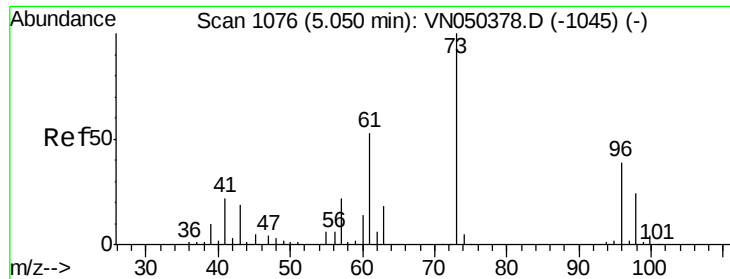
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#18
Methyl Acetate
Concen: 18.38 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.2	28.8





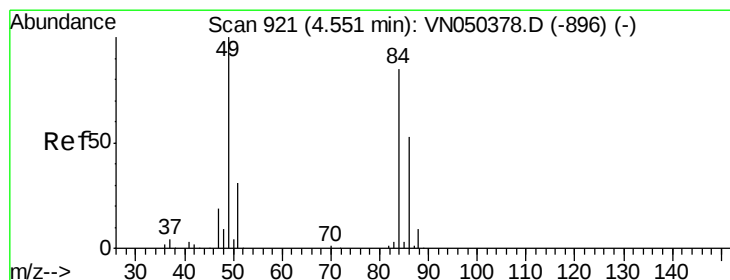
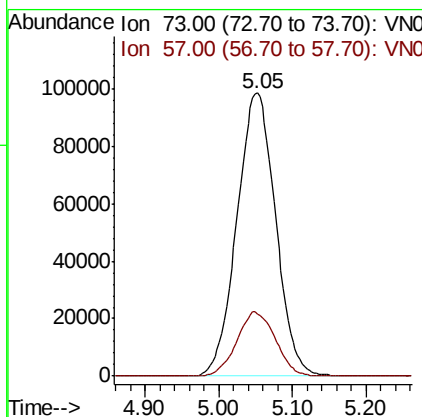
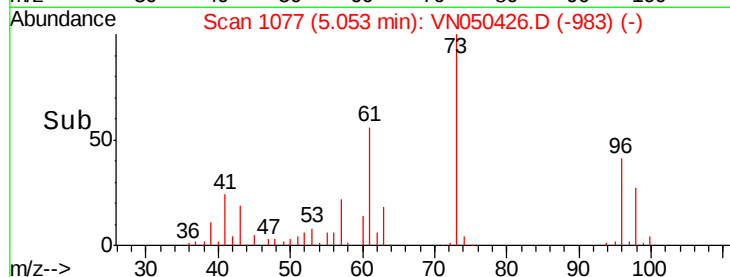
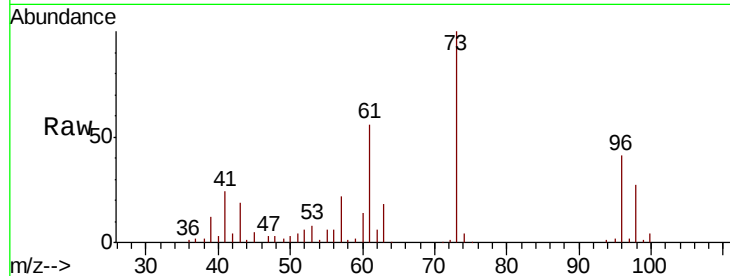
#19
Methvl tert-butvl Ether
Concen: 18.38 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0807MBS01

Tot Ion: 73 Resp: 360292
Ion Ratio Lower Upper
73 100
57 22.1 18.0 27.0

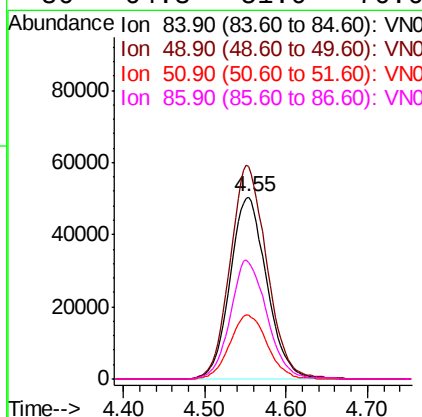
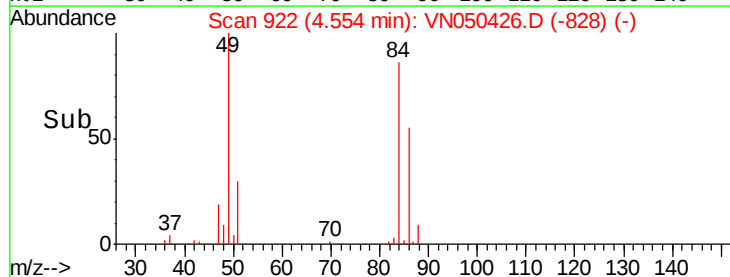
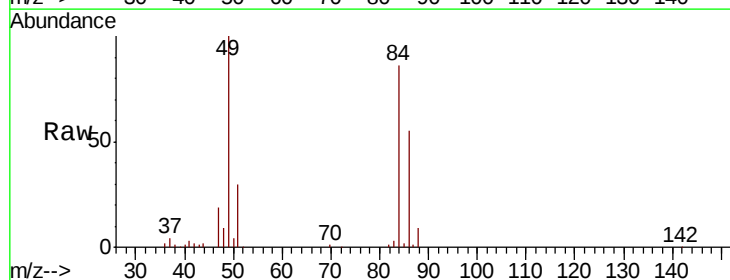
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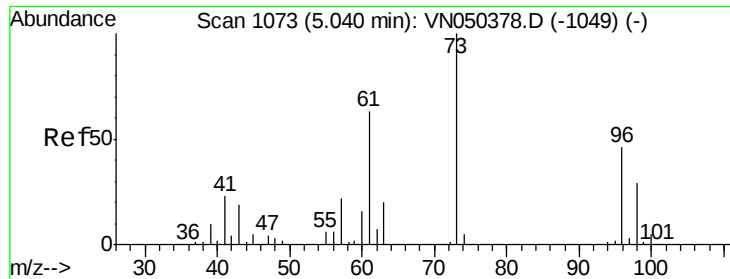
MMDadoda
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#20
Methylene Chloride
Concen: 19.31 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion: 84 Resp: 157686
Ion Ratio Lower Upper
84 100
49 116.5 94.8 142.2
51 34.9 28.3 42.5
86 64.3 51.0 76.6





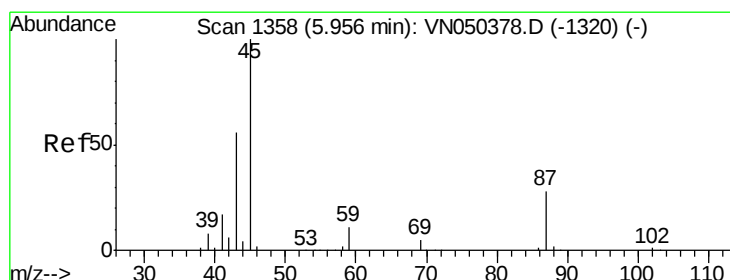
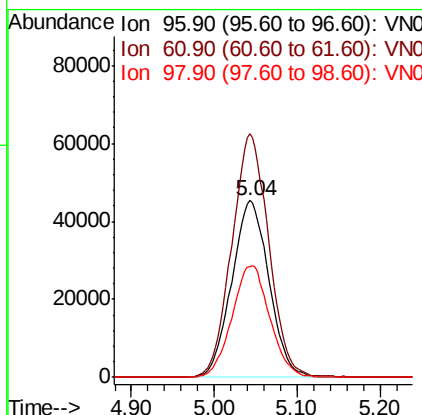
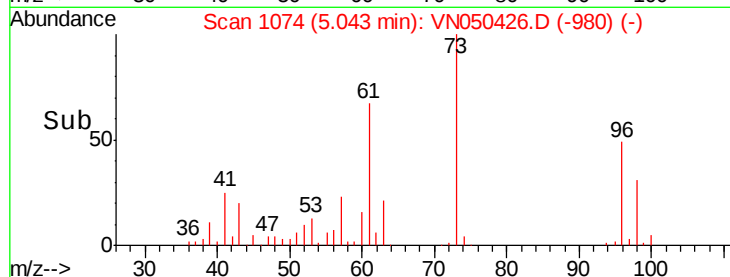
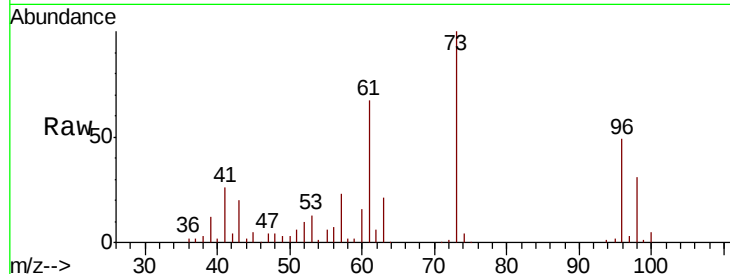
#21
trans-1,2-Dichloroethene
Concen: 18.96 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0807MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	110.7	166.1
98	62.7	51.6	77.4

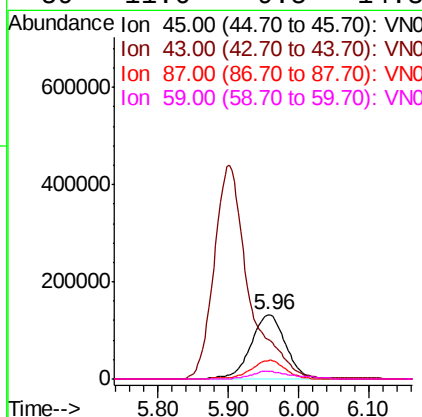
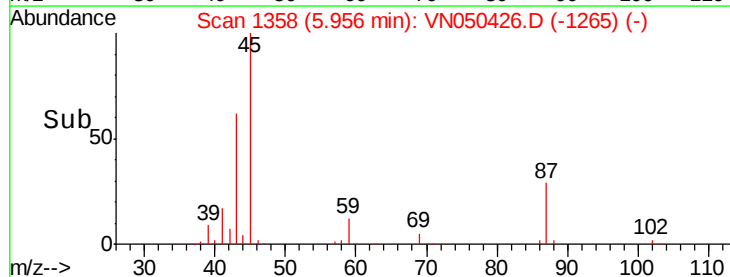
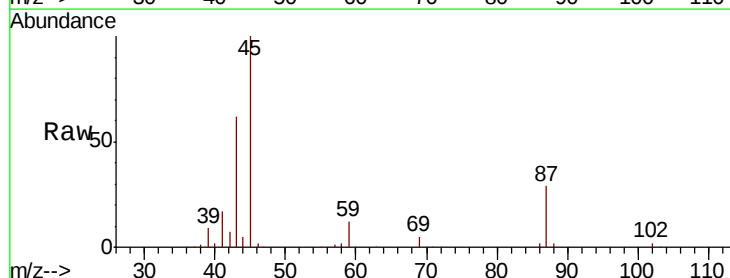
Manual Integrations
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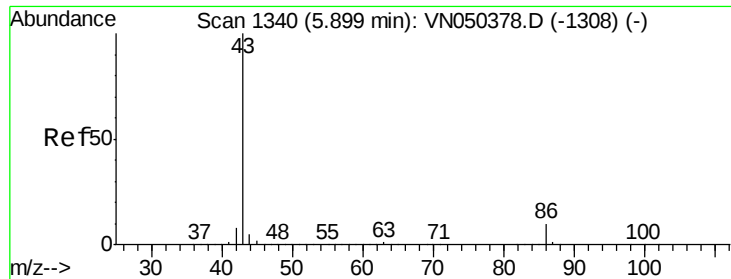
MMDadoda
8/8/2018 10:47:10 AM



#22
Diisopropyl ether
Concen: 19.98 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.2	45.7	68.5
87	28.7	22.7	34.1
59	11.6	9.5	14.3





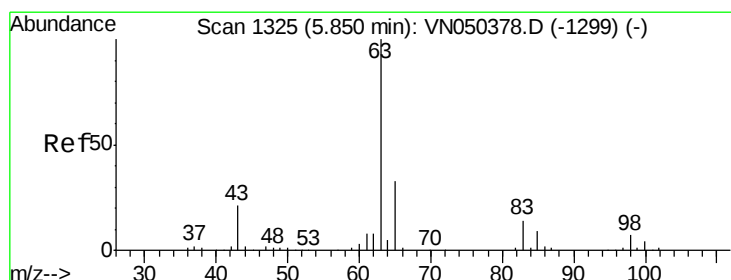
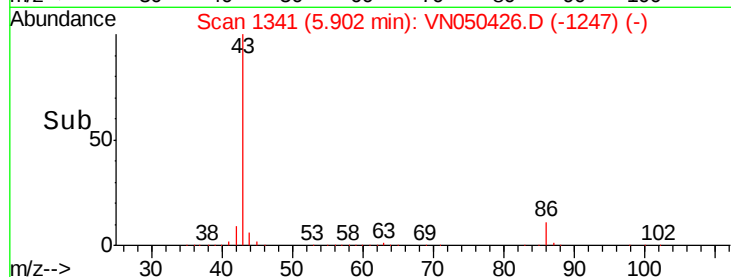
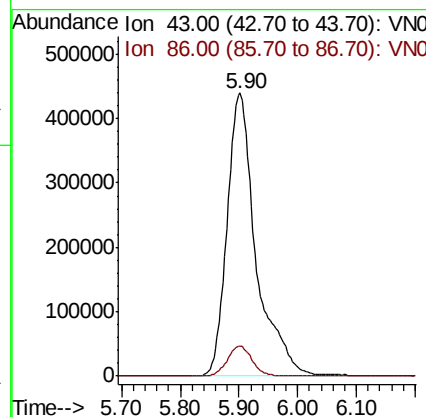
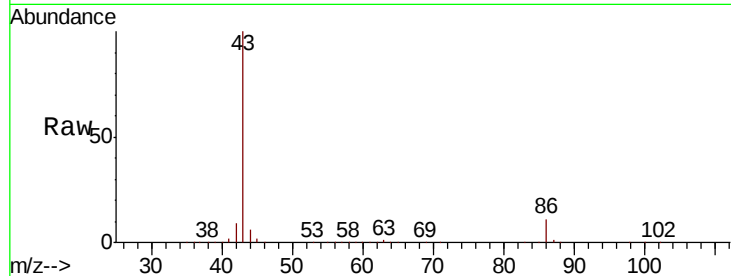
#23
 Vinyl Acetate
 Concen: 93.27 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0807MBS01

Tot Ion: 43 Resp: 1507681
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.6 13.0

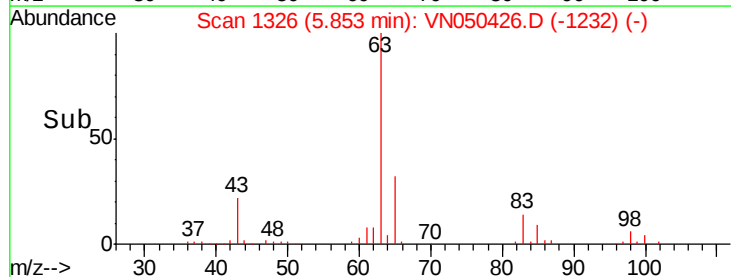
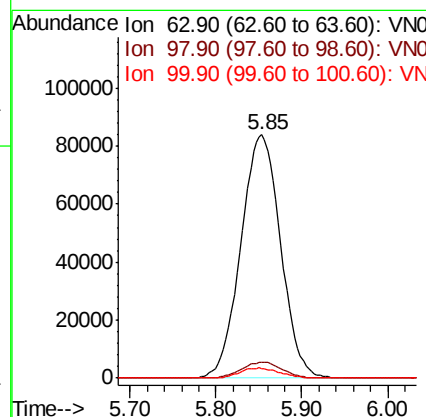
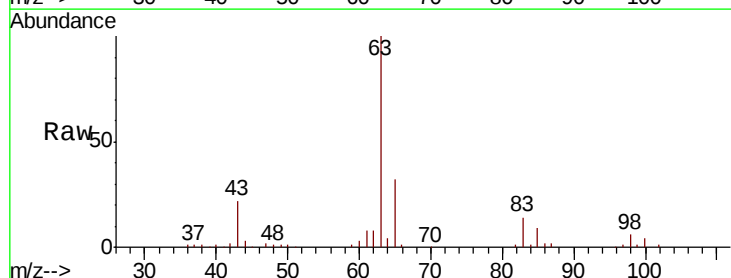
Manual Integrations
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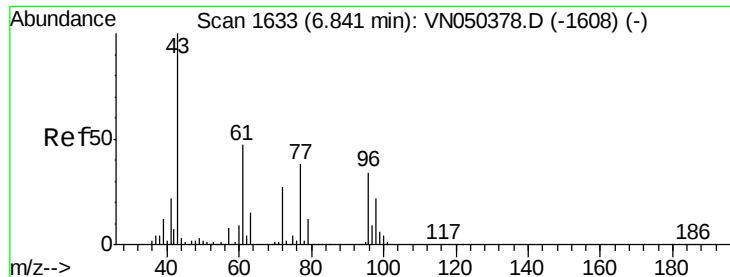
MMDadoda
 8/8/2018 10:47:10 AM



#24
 1,1-Dichloroethane
 Concen: 19.35 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Tgt Ion: 63 Resp: 268939
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.3 9.8
 100 4.1 2.1 6.3





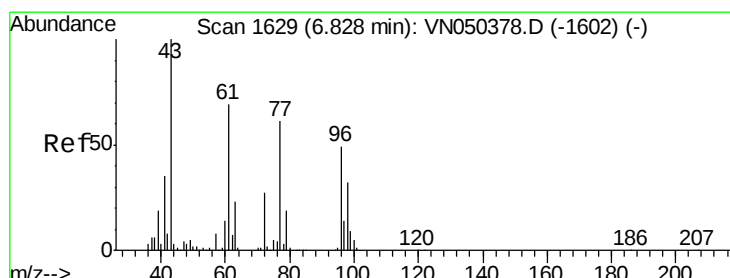
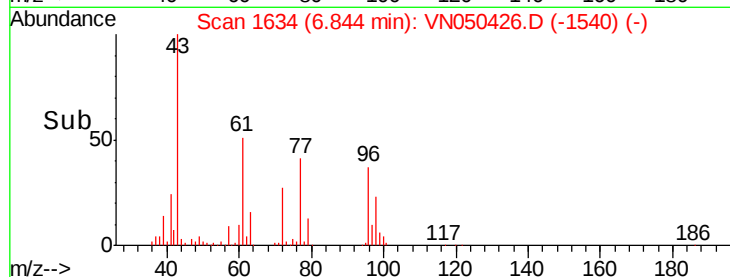
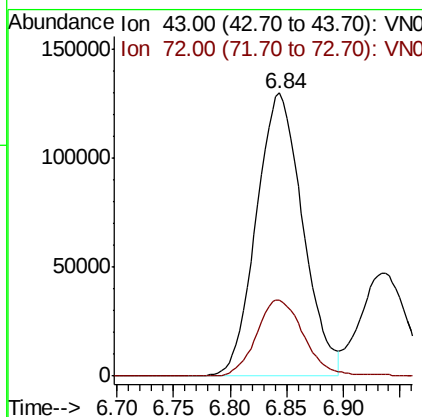
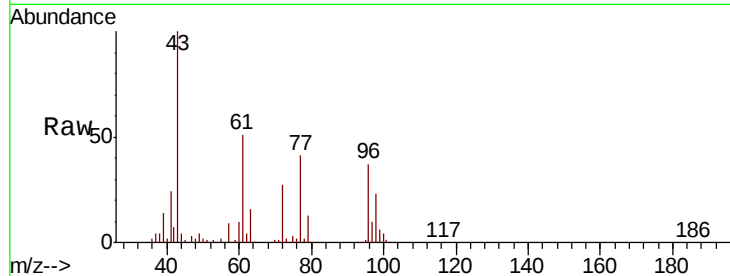
#25
2-Butanone
Concen: 87.16 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0807MBS01

Tot Ion: 43 Resp: 368614
Ion Ratio Lower Upper
43 100
72 26.7 21.5 32.3

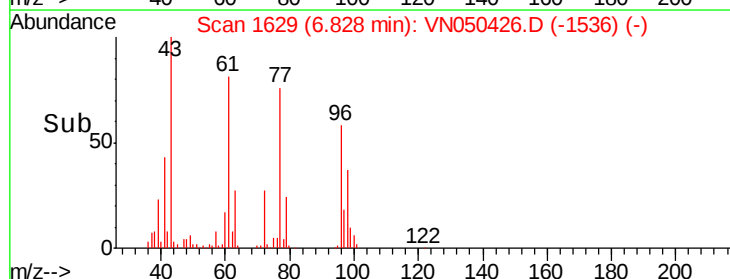
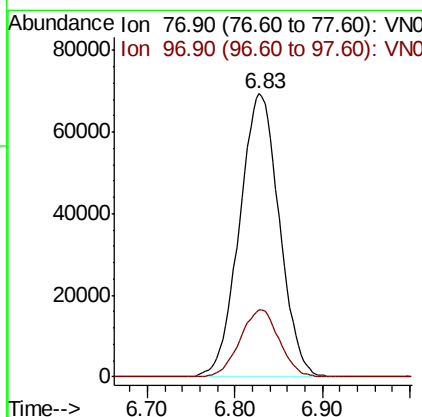
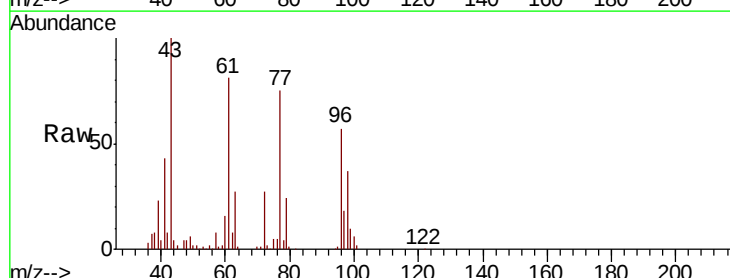
Manual Integrations
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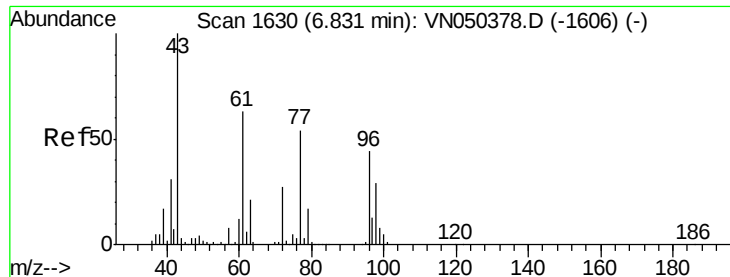
MMDadoda
8/8/2018 10:47:10 AM



#26
2,2-Dichloropropane
Concen: 19.09 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion: 77 Resp: 218811
Ion Ratio Lower Upper
77 100
97 23.4 11.8 35.3





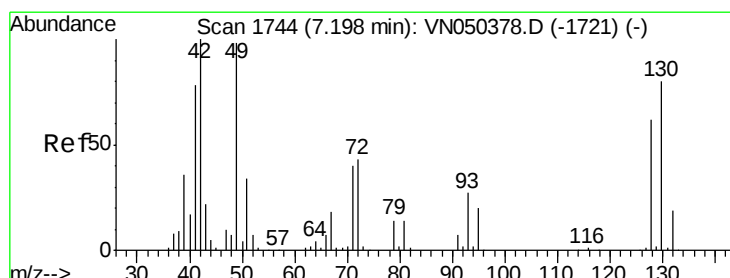
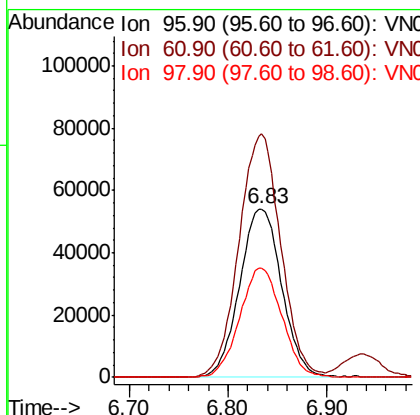
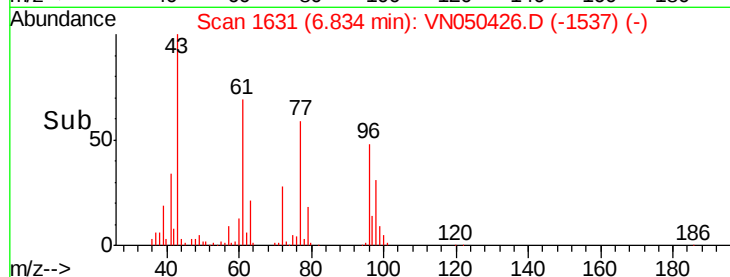
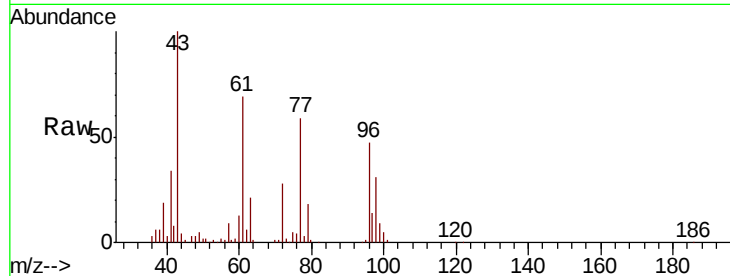
#27
 cis-1,2-Dichloroethene
 Concen: 19.28 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0807MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.5	0.0	285.0	
98	65.0	0.0	129.2	

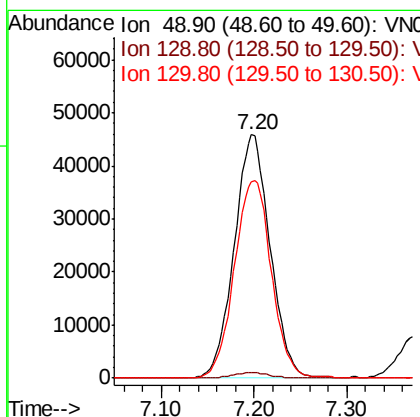
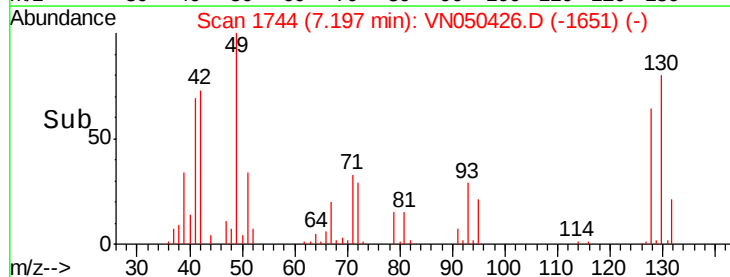
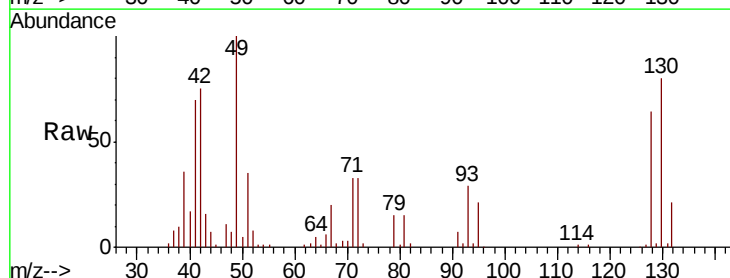
Manual Integrations
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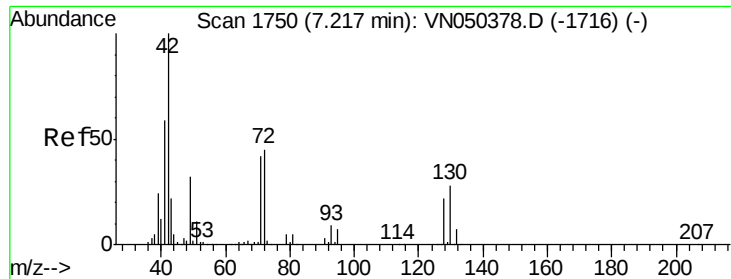
MMDadoda
 8/8/2018 10:47:10 AM



#28
 Bromochloromethane
 Concen: 19.22 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.0	
130	83.7	66.3	99.5	





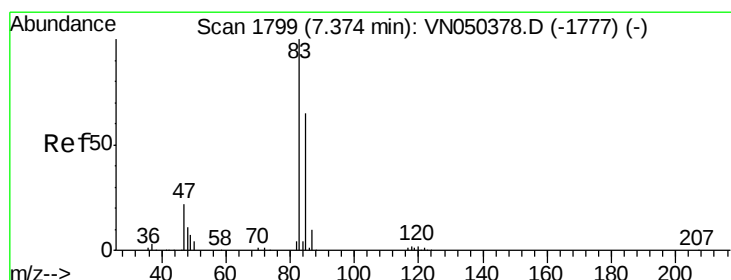
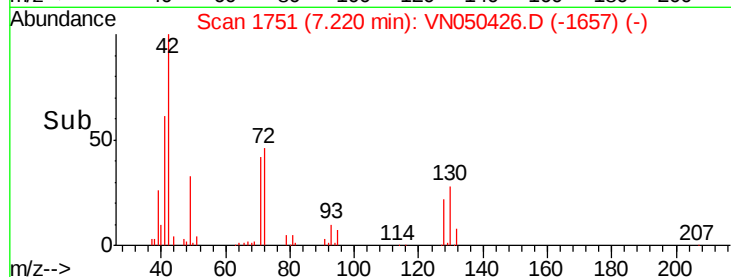
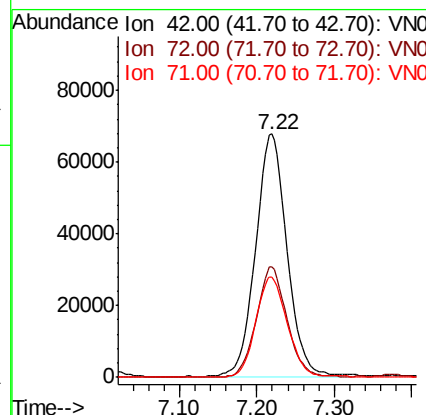
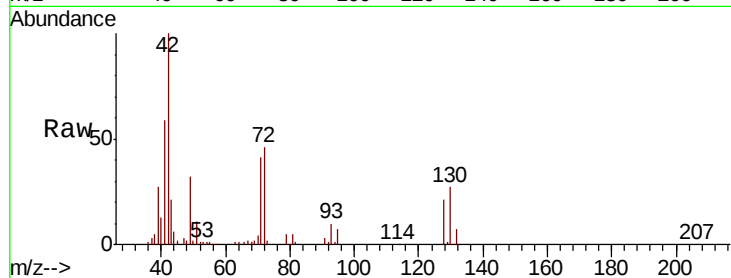
#29
Tetrahydrofuran
Concen: 85.57 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0807MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.9	53.9
71	41.0	33.7	50.5

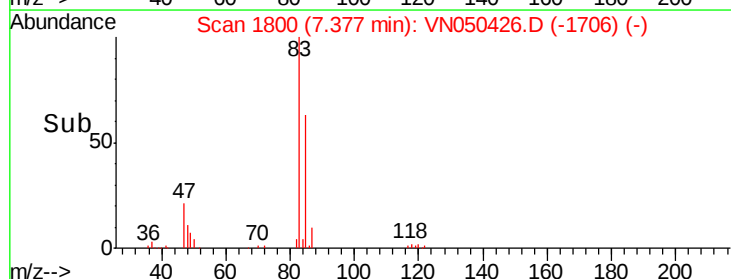
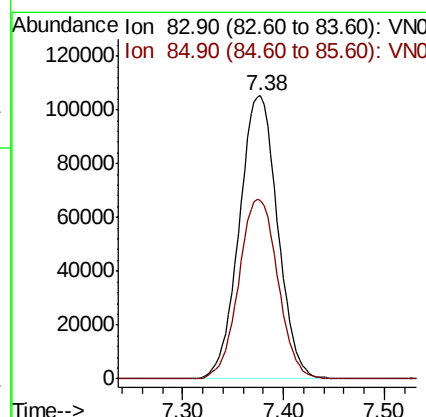
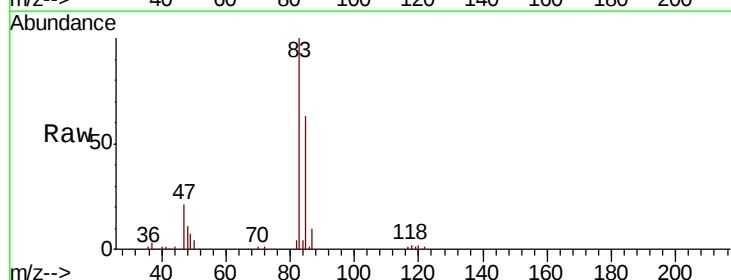
Manual Integrations
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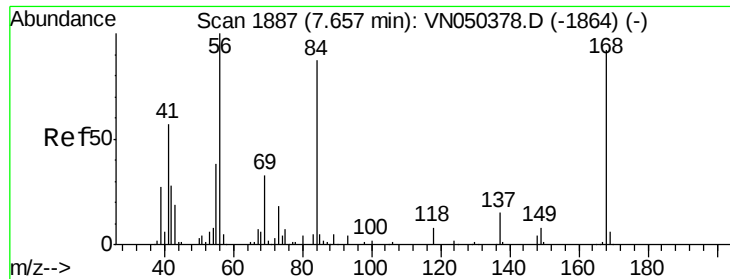
MMDadoda
8/8/2018 10:47:10 AM



#30
Chloroform
Concen: 19.96 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.5	78.7





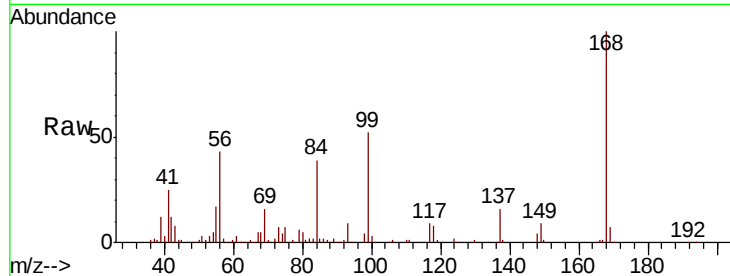
#31
Cyclohexane
Concen: 18.54 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0807MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	26.2	39.4
84	88.7	67.4	101.0

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8/8/2018 10:47:10 AM

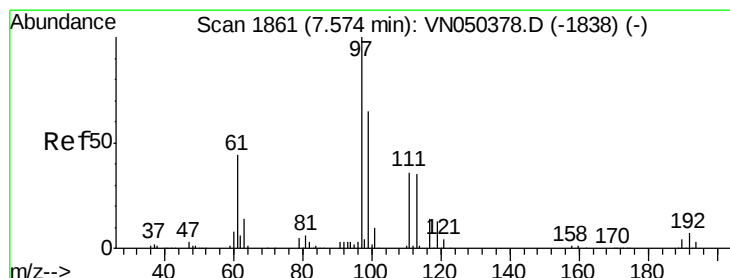
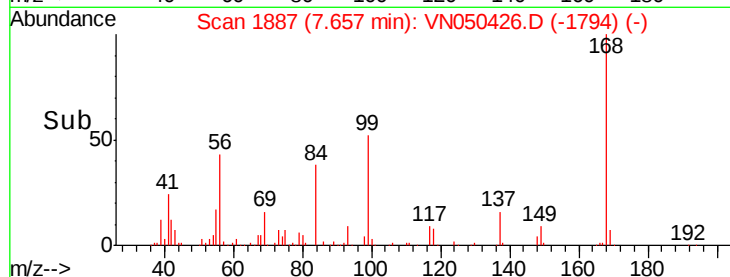
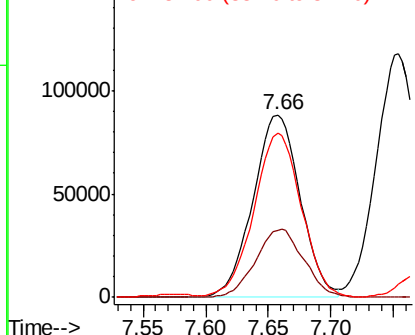


Abundance

Ion 56.00 (55.70 to 56.70): VNO

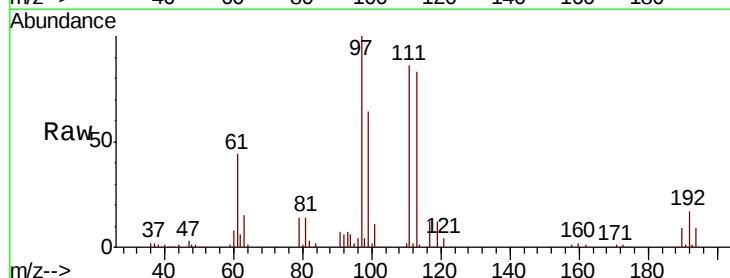
Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32
1,1,1-Trichloroethane
Concen: 19.59 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	44.0	35.4	53.0

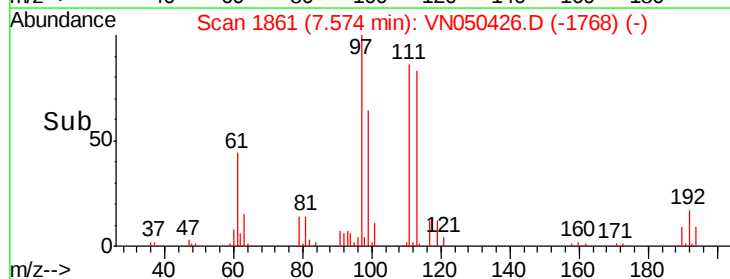
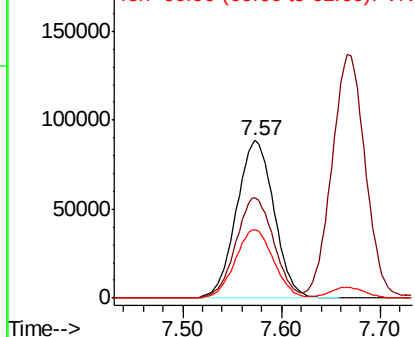


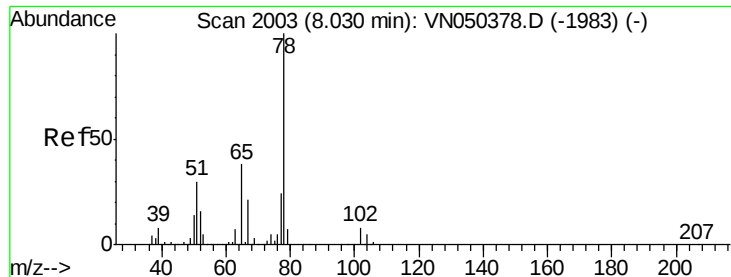
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 49.72 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBS01

Tot Ion: 65 Resp: 424364

Ion Ratio Lower Upper

65 100

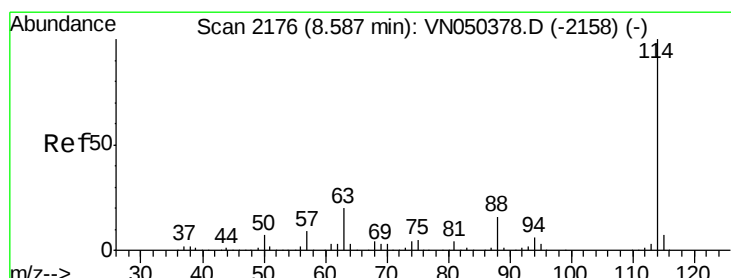
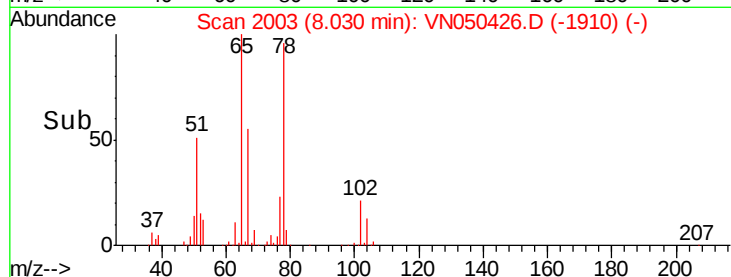
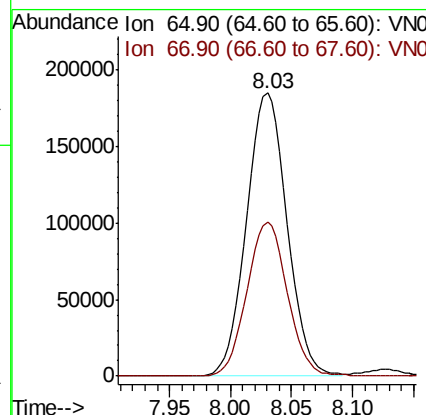
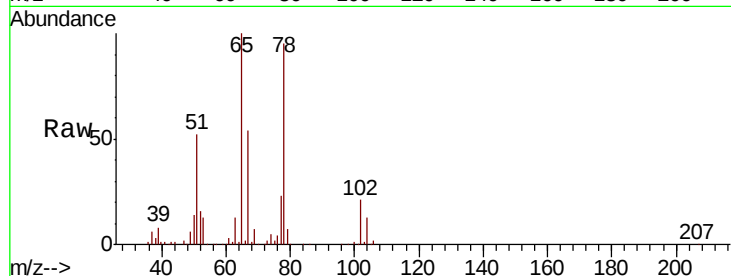
67 54.4 0.0 108.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

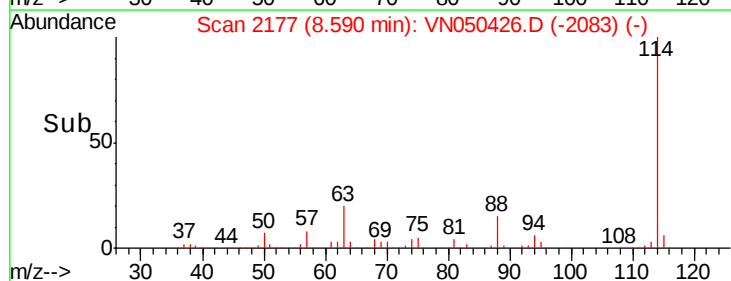
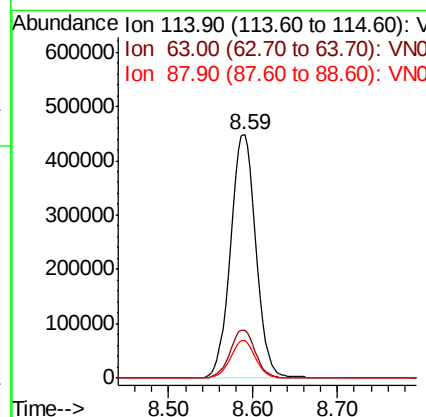
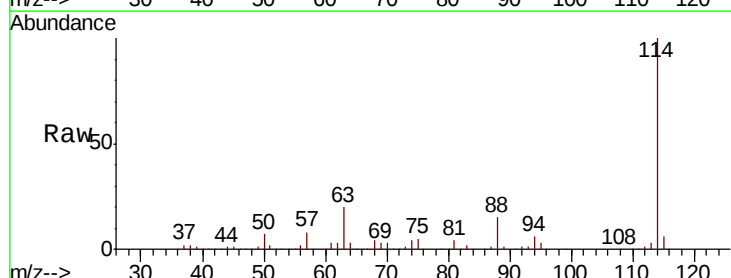
Tgt Ion: 114 Resp: 936429

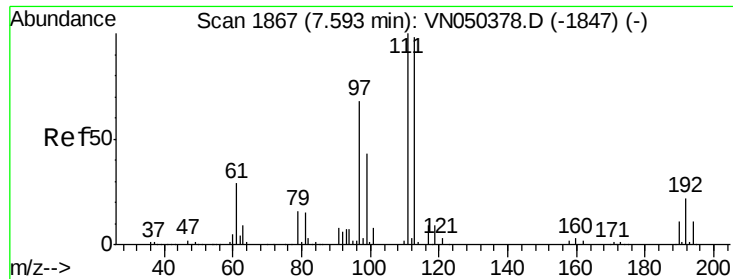
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 15.2 0.0 31.2





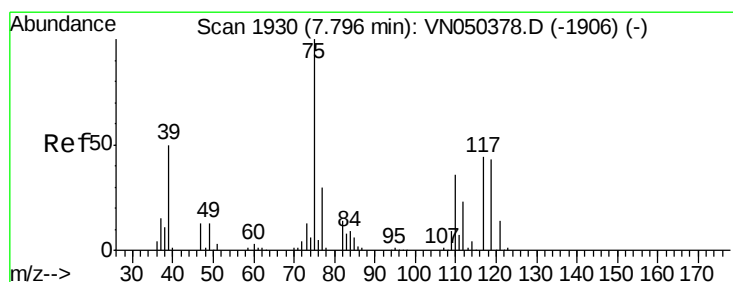
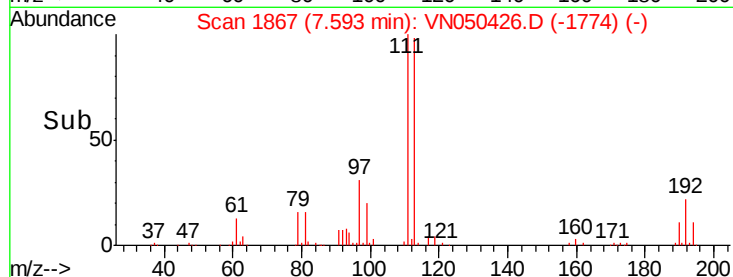
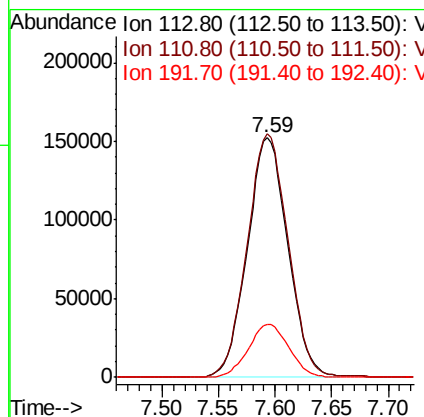
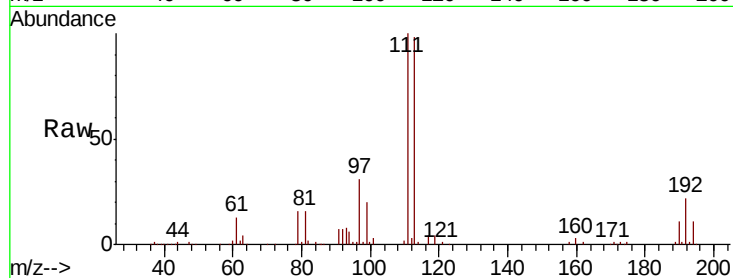
#35
Dibromofluoromethane
Concen: 50.43 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0807MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	80.7	121.1	
192	22.3	17.8	26.6	

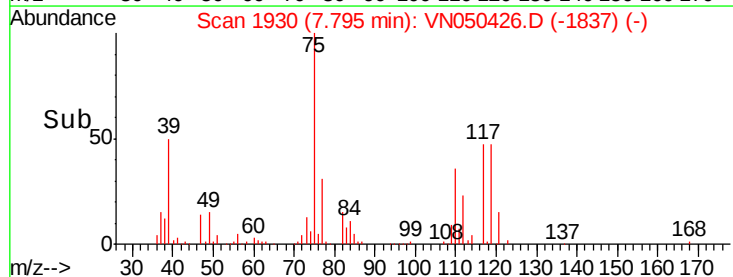
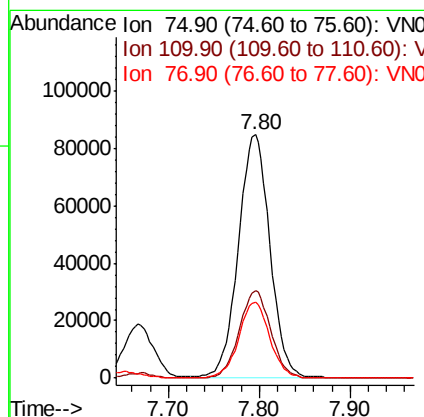
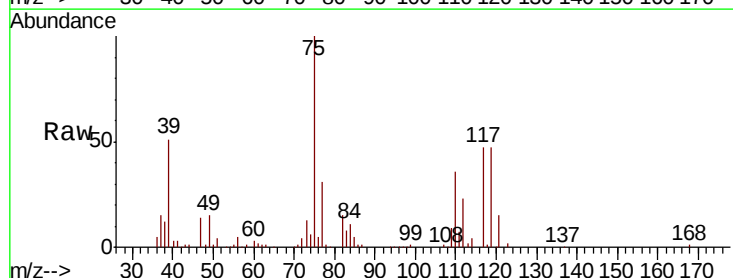
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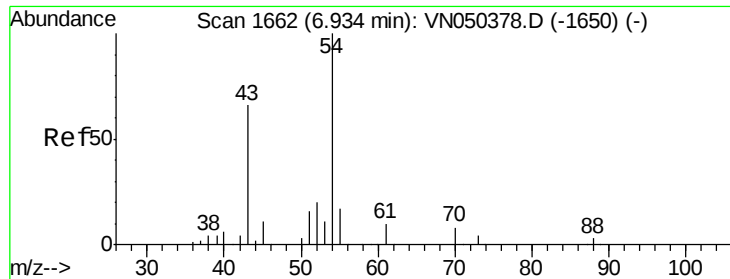
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.81 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.0	18.4	55.2	
77	31.0	25.3	37.9	





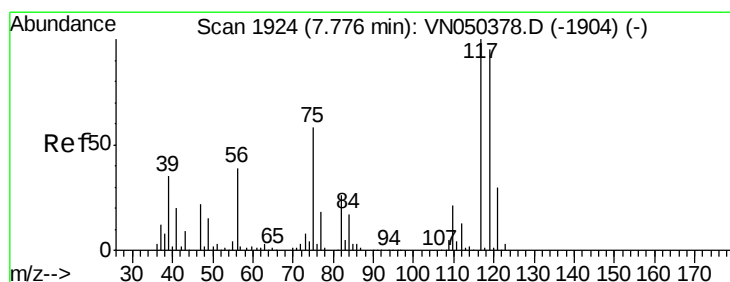
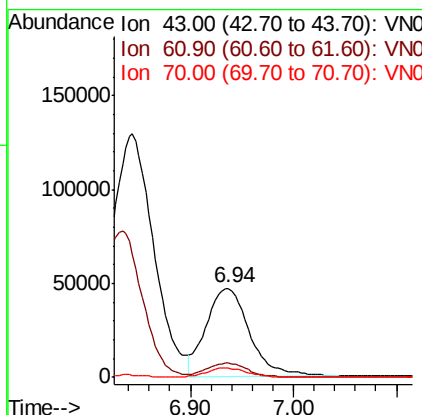
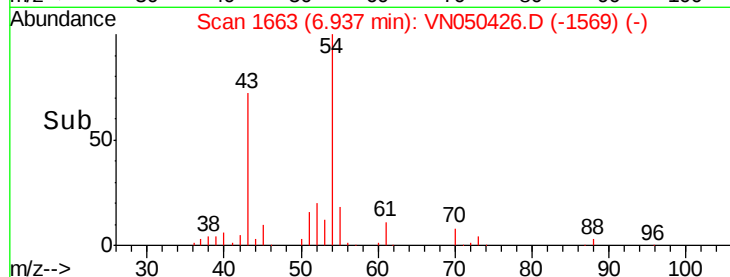
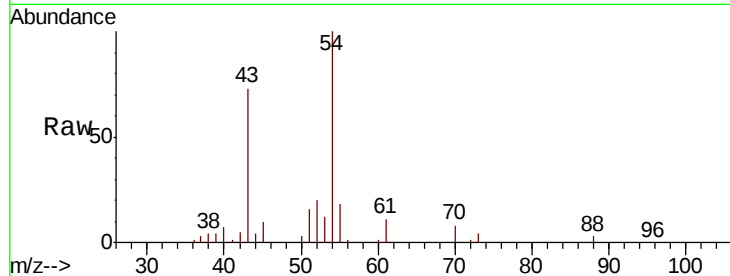
#37
Ethyl Acetate
Concen: 18.38 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0807MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.8
70	10.5	8.4	12.6

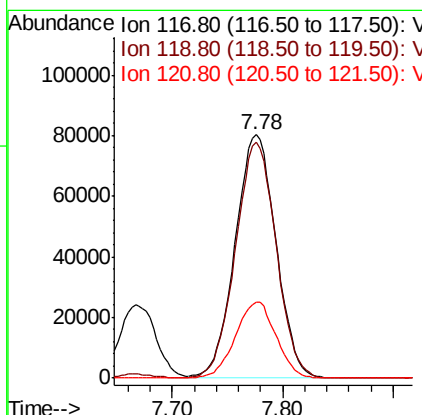
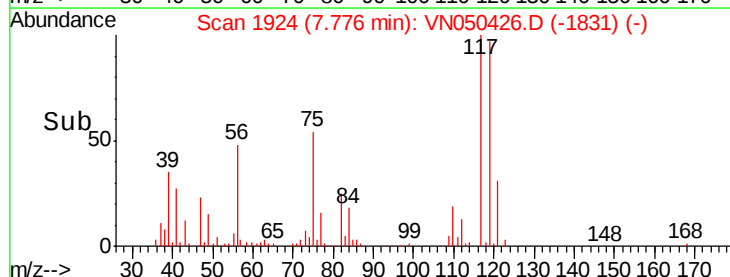
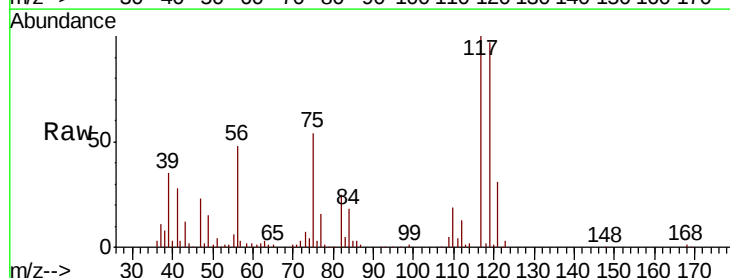
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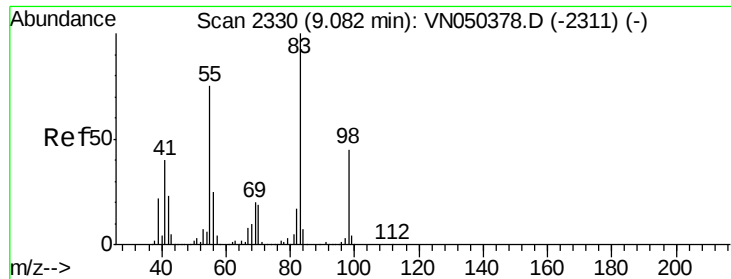
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#38
Carbon Tetrachloride
Concen: 19.17 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.4	116.0
121	31.2	23.9	35.9





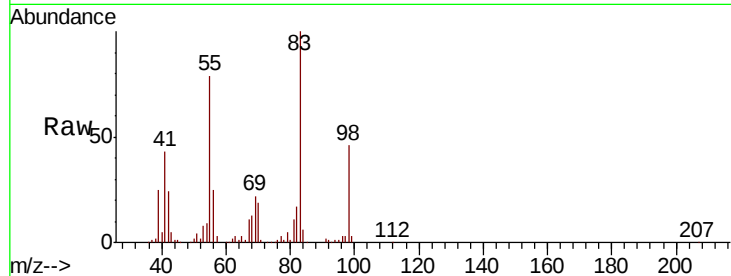
#39
Methvlcvclohexane
Concen: 18.51 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0807MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	207878		
55	78.5		61.8	92.8
98	46.4		36.5	54.7

Manual Integrations
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8/8/2018 10:47:10 AM

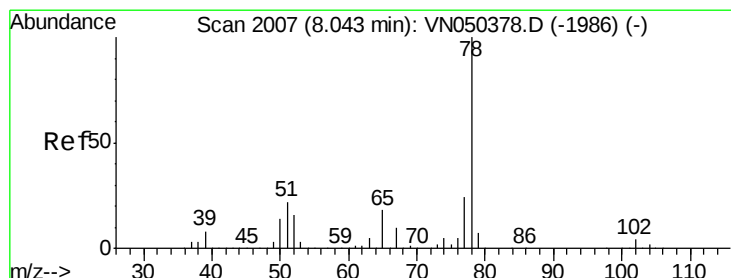
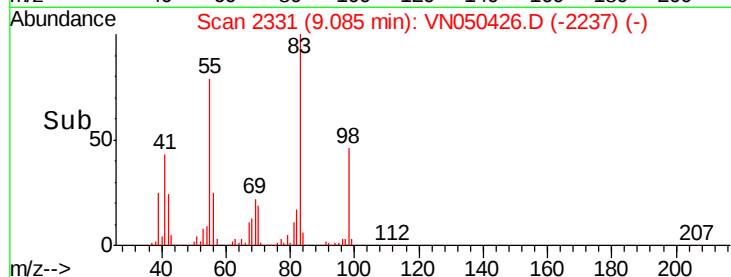
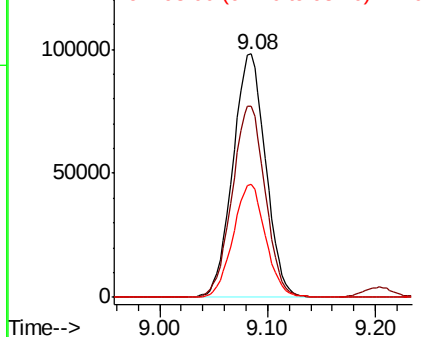


Abundance

Ion 83.00 (82.70 to 83.70): VN0

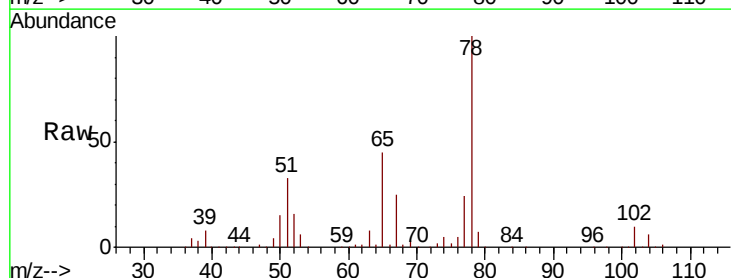
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 19.96 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

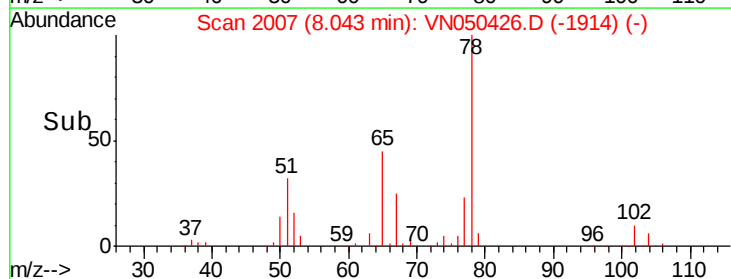
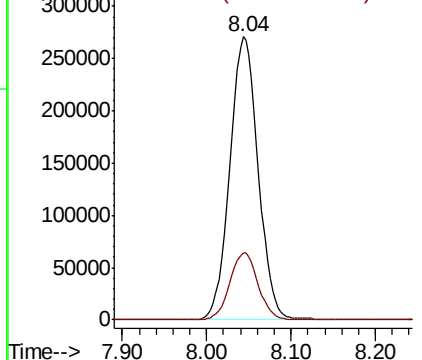
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	631395		
77	23.7		18.7	28.1

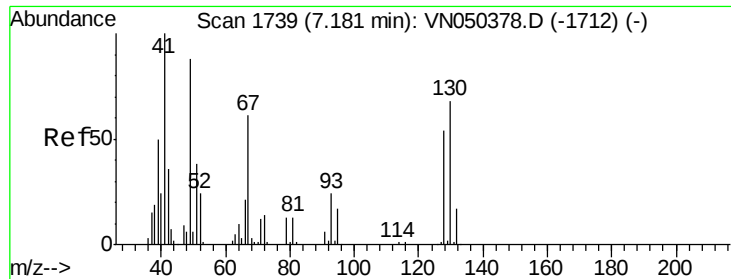


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





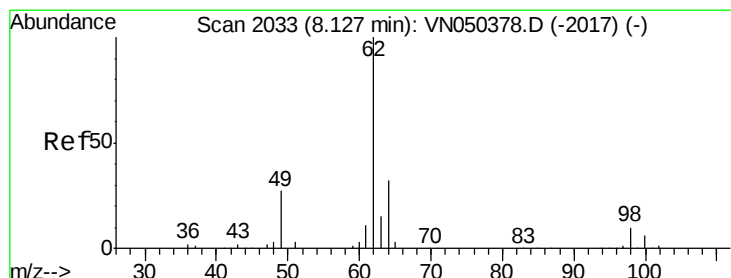
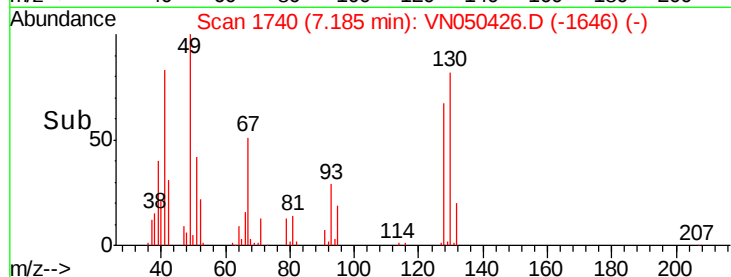
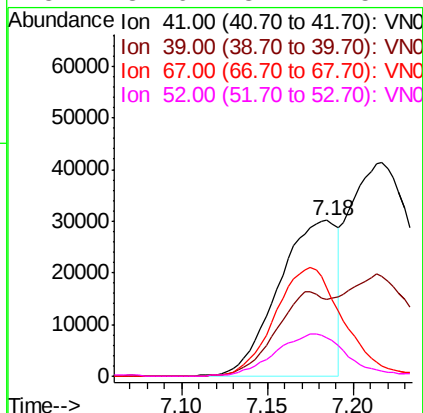
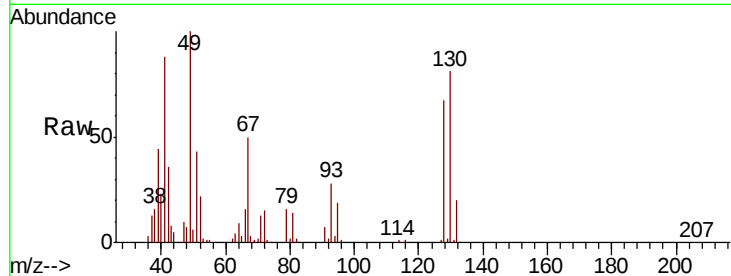
#41
Methacrylonitrile
Concen: 18.20 ug/l
RT: 7.18 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0807MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.6	55.8	83.6#
67	81.4	84.3	126.5#
52	34.6	34.2	51.2

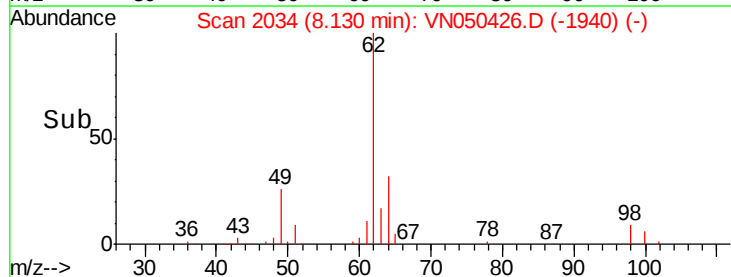
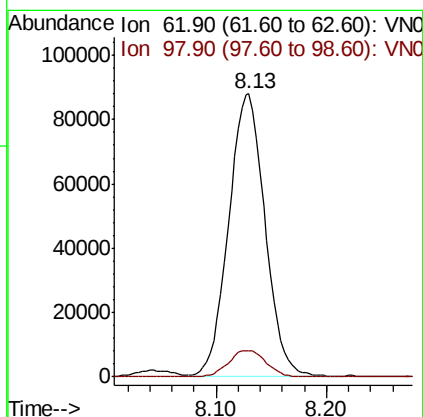
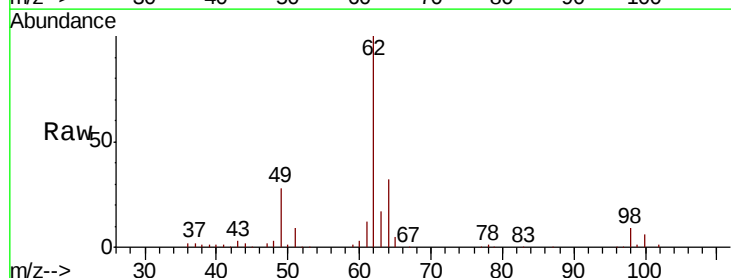
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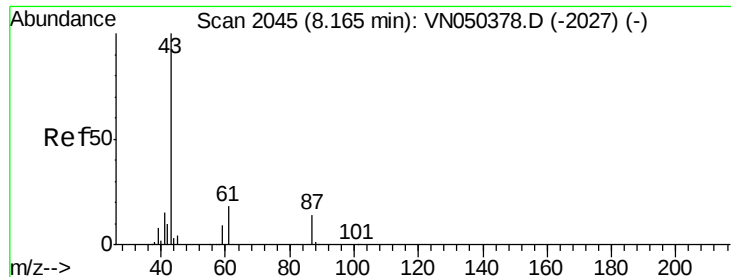
MMDadoda
8/8/2018 10:47:10 AM



#42
1,2-Dichloroethane
Concen: 19.92 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.8





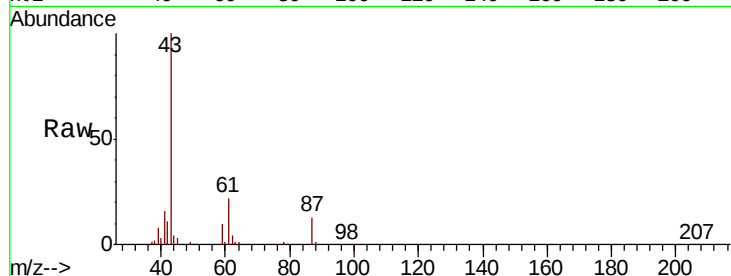
#43
Isopropyl Acetate
Concen: 18.69 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0807MBS01

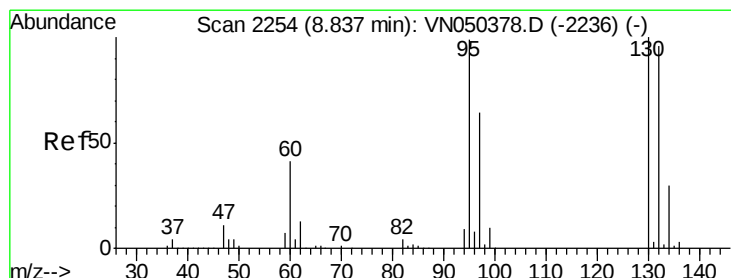
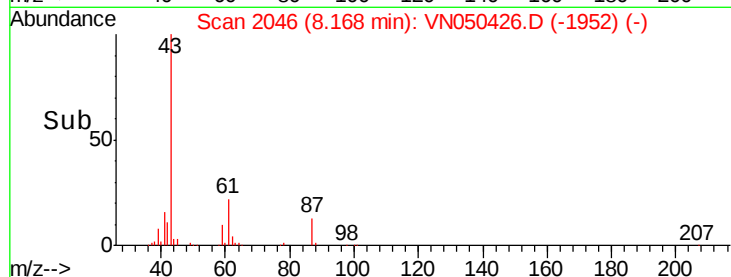
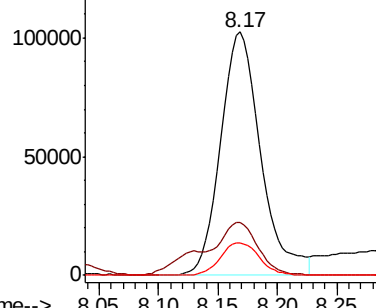
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.8	23.6
87	13.2	10.3	15.5

Manual Integrations
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MMDadoda
8/8/2018 10:47:10 AM

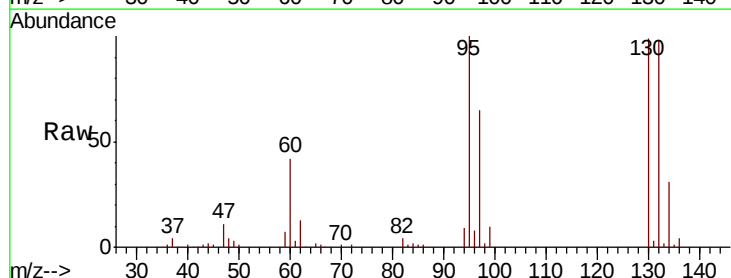


Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2027) (-)
Ion 61.00 (60.70 to 61.70): VN050378.D (-2027) (-)
Ion 87.00 (86.70 to 87.70): VN050378.D (-2027) (-)

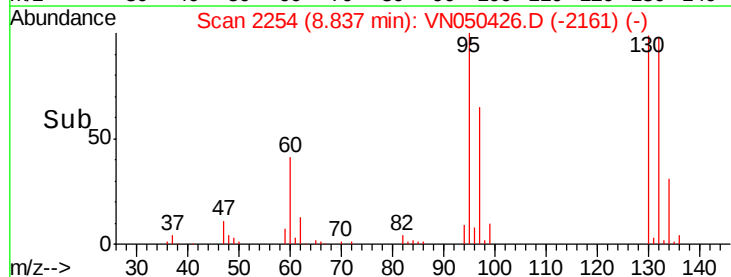
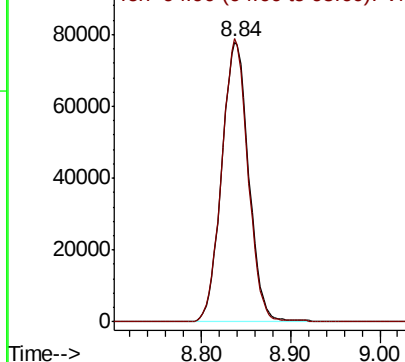


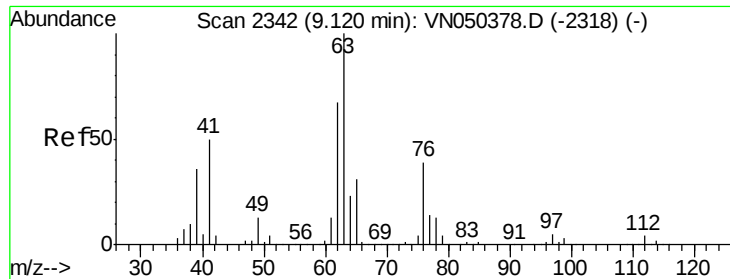
#44
Trichloroethene
Concen: 19.19 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050378.D (-2236) (-)
Ion 94.90 (94.60 to 95.60): VN050378.D (-2236) (-)





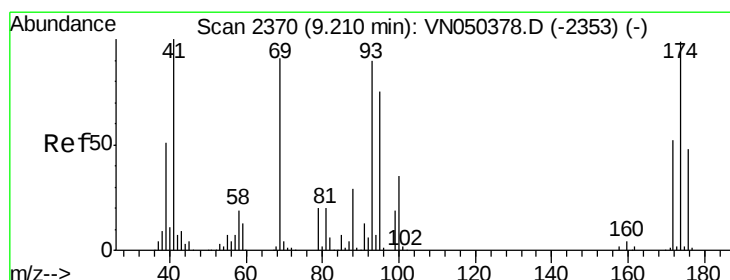
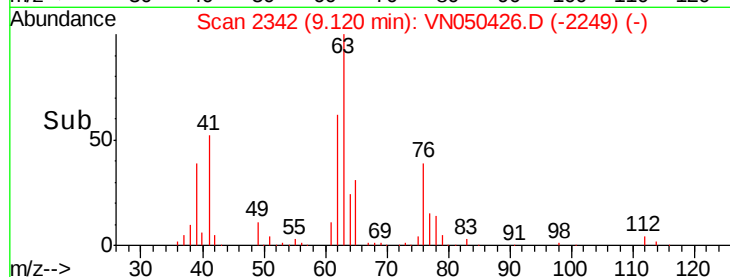
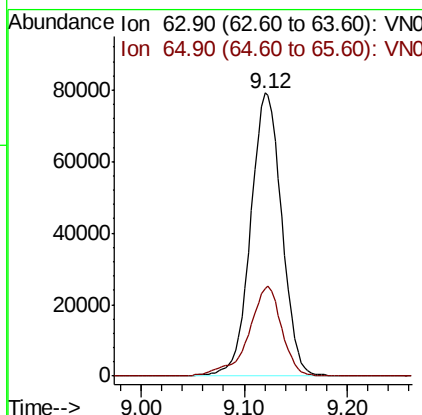
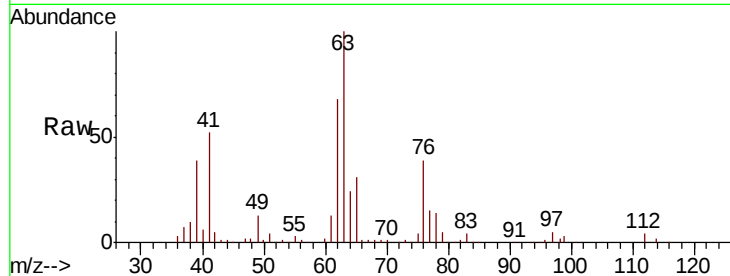
#45
 1,2-Dichloropropane
 Concen: 19.88 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0807MBS01

Tot Ion: 63 Resp: 165307
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.5 38.3

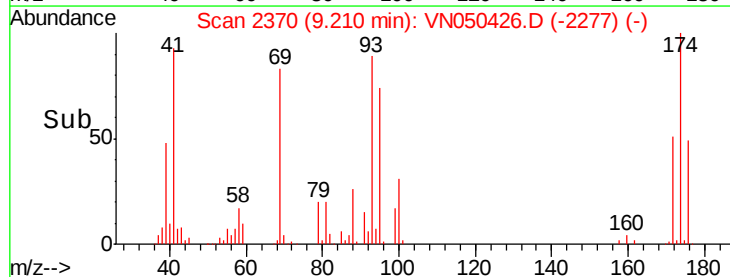
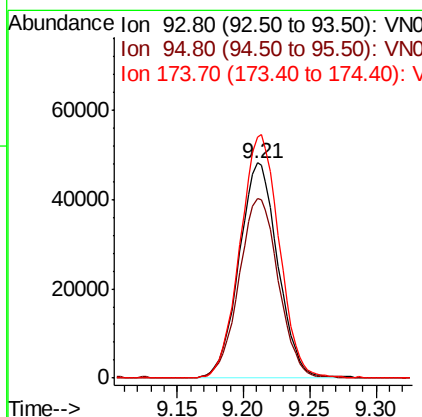
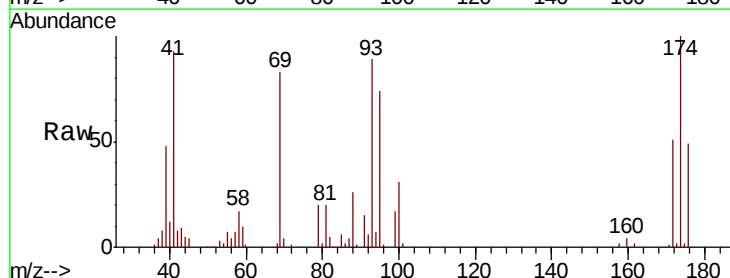
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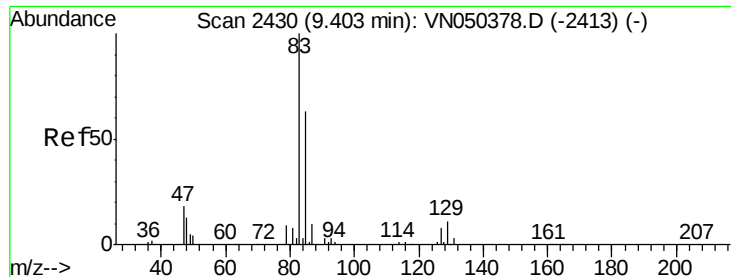
MMDadoda
 8/8/2018 10:47:10 AM



#46
 Dibromomethane
 Concen: 19.06 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Tgt Ion: 93 Resp: 97880
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.6 100.0
 174 114.4 87.1 130.7





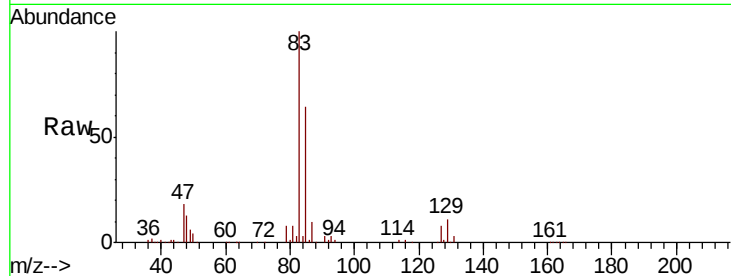
#47
Bromodichloromethane
Concen: 19.34 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0807MBS01

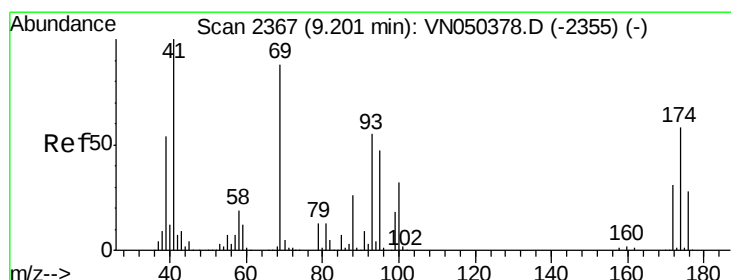
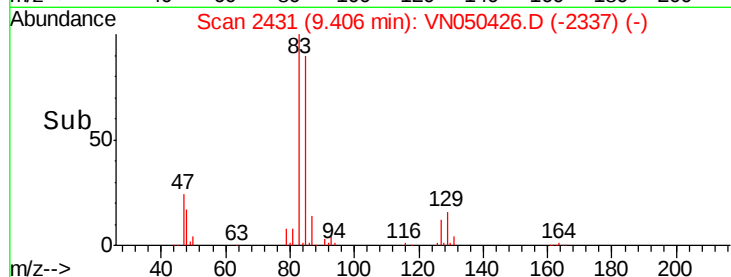
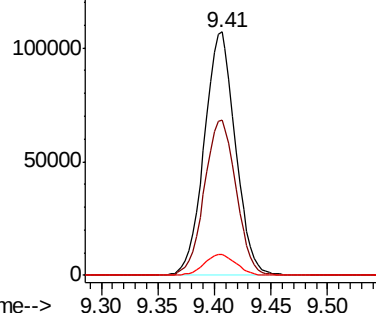
Tot Ion	Ratio	Resp	Lower	Upper
83	100	205709		
85	63.6		51.1	76.7
127	8.4		7.0	10.4

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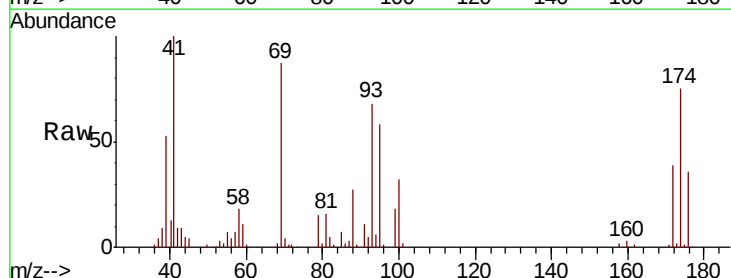


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

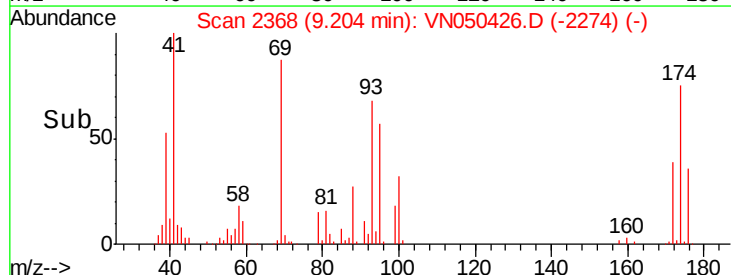
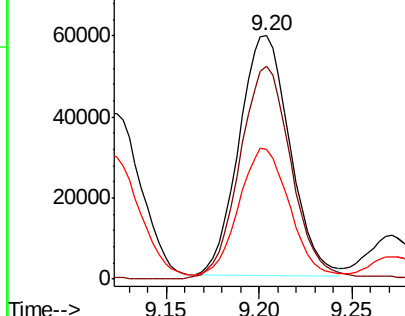


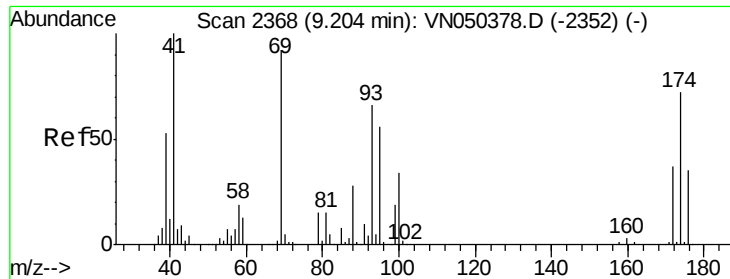
#48
Methyl methacrylate
Concen: 17.65 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	113172		
69	90.6		70.6	105.8
39	55.1		43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





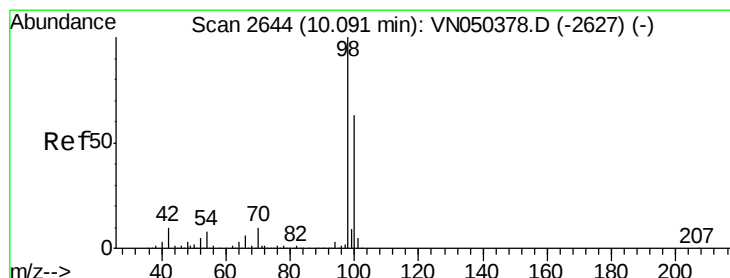
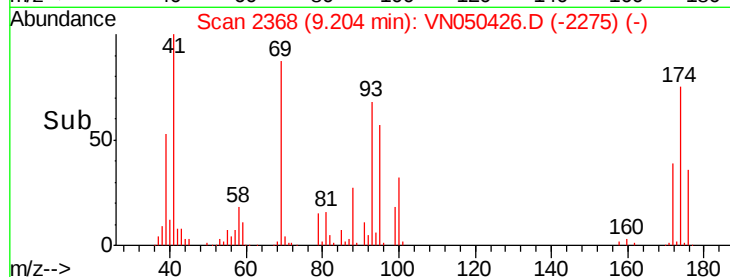
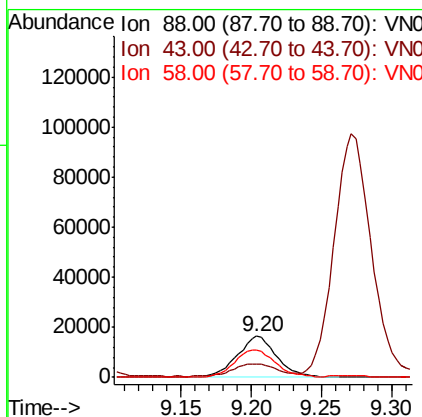
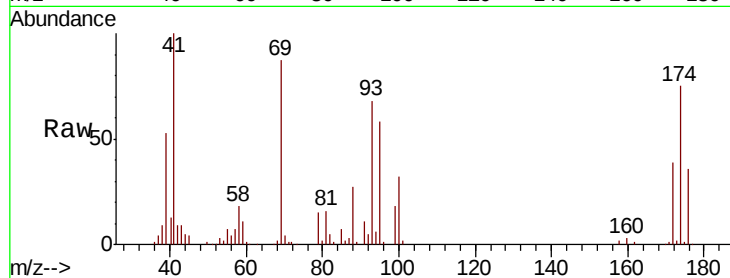
#49
 1,4-Dioxane
 Concen: 323.43 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.9	40.3
58	70.4	57.3	85.9

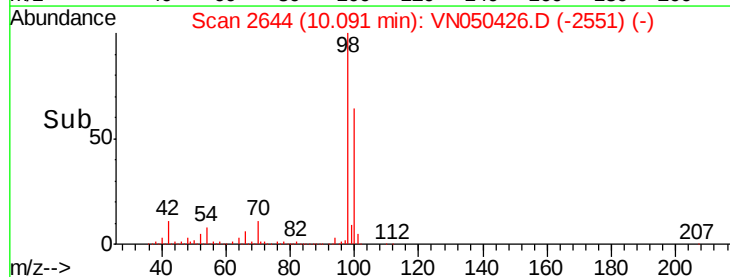
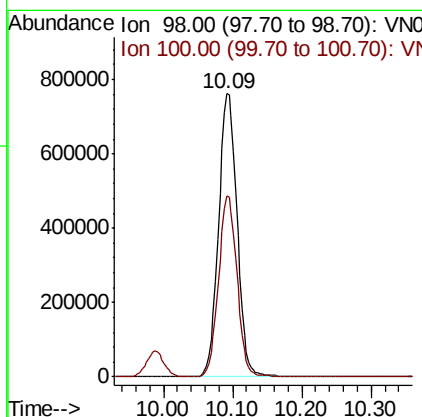
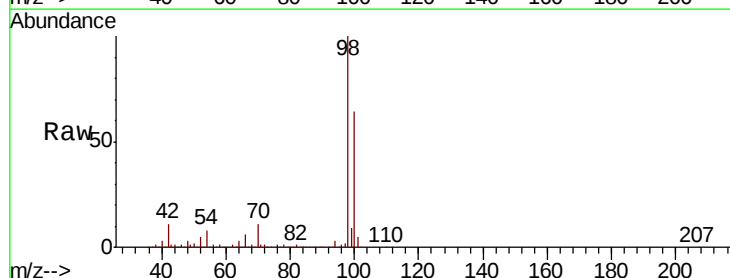
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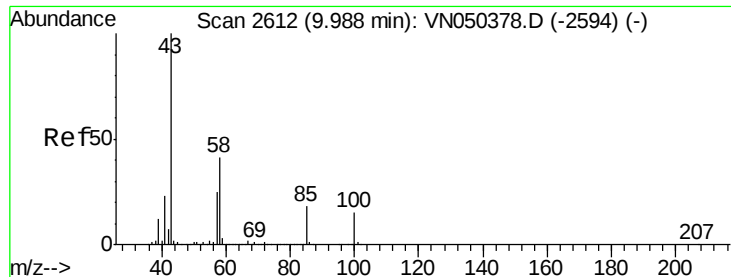
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#50
 Toluene-d8
 Concen: 50.14 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.7	76.1





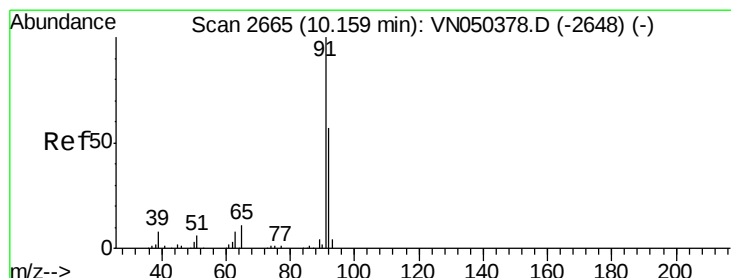
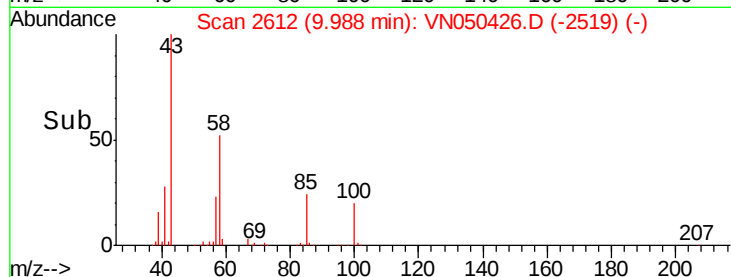
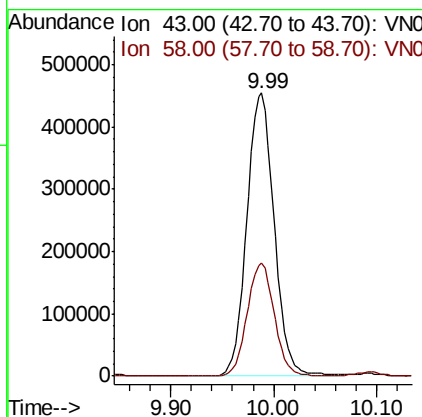
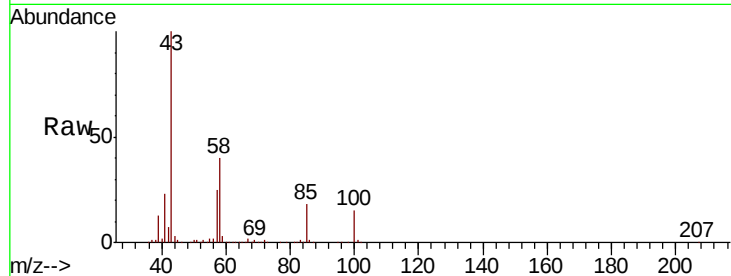
#51
 4-Methyl-2-Pentanone
 Concen: 90.50 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. -0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0807MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.9	47.9

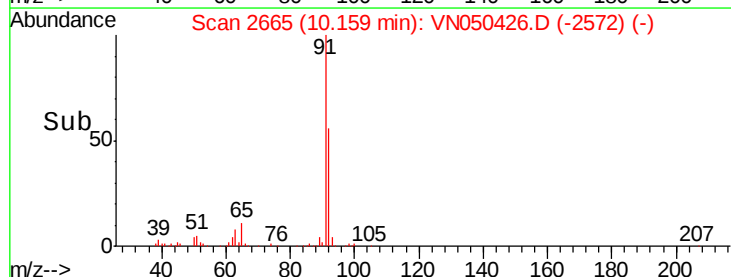
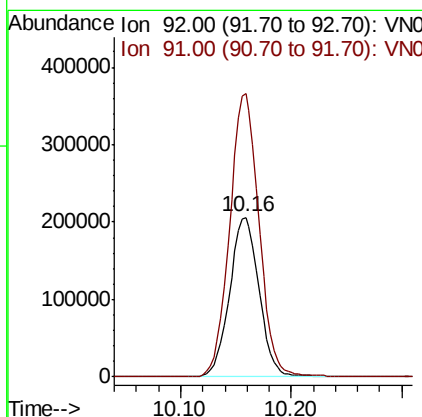
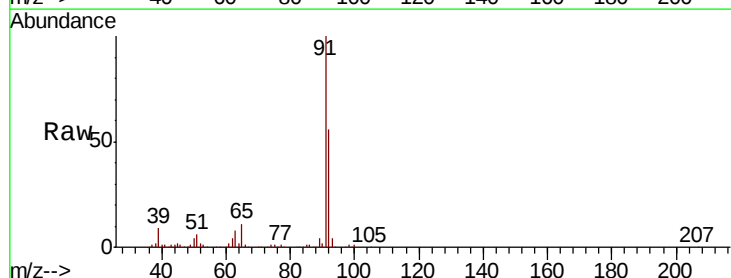
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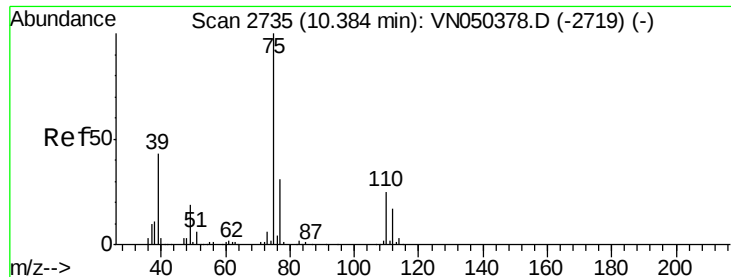
MMDadoda
 8/8/2018 10:47:10 AM



#52
 Toluene
 Concen: 20.08 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. -0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.1	140.3	210.5





#53

t-1,3-Dichloropropene

Concen: 18.80 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Instrument :

MSVOA_N

ClientSampled :

VN0807MBS01

Tot Ion: 75 Resp: 200796

Ion Ratio Lower Upper

75 100

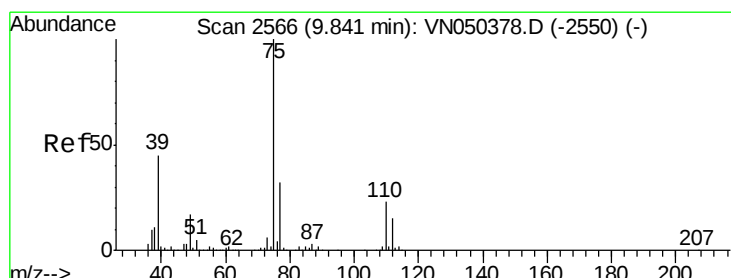
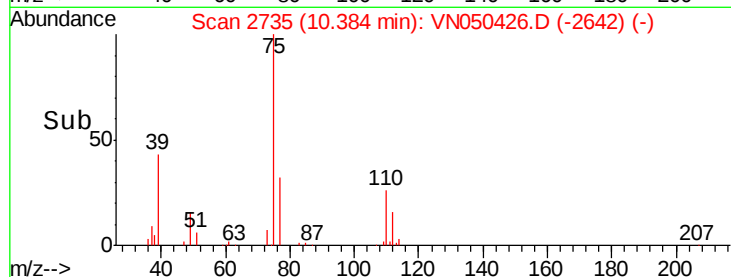
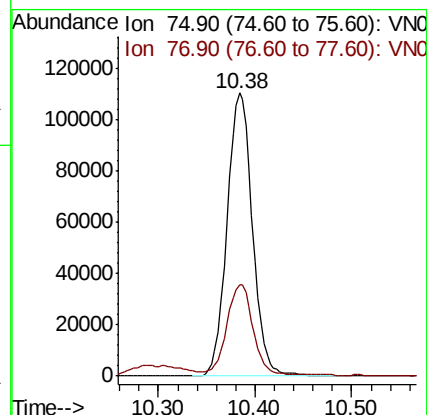
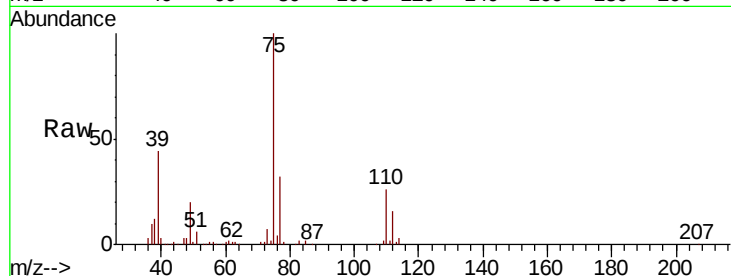
77 31.9 24.9 37.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.62 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

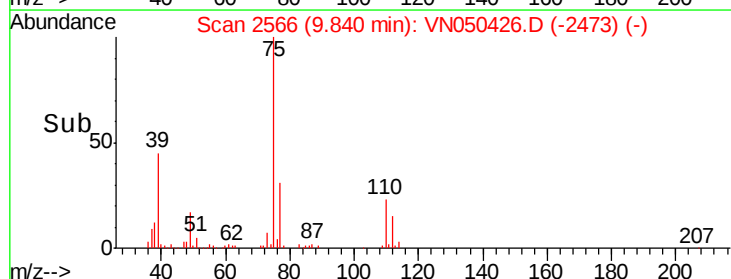
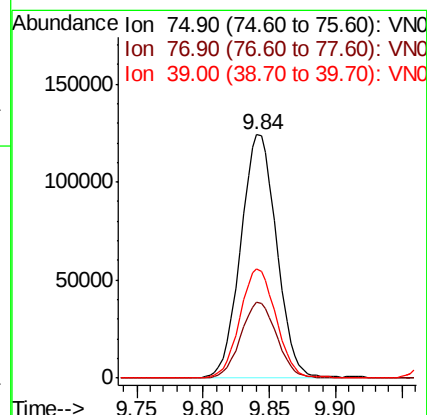
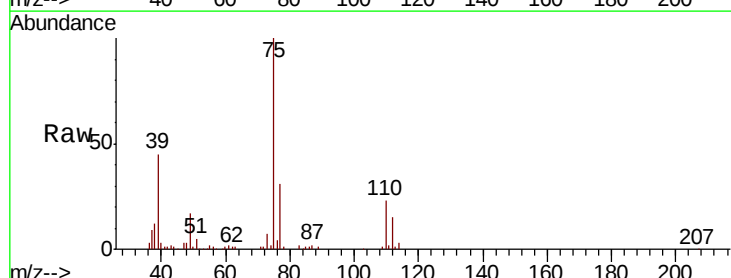
Tgt Ion: 75 Resp: 233867

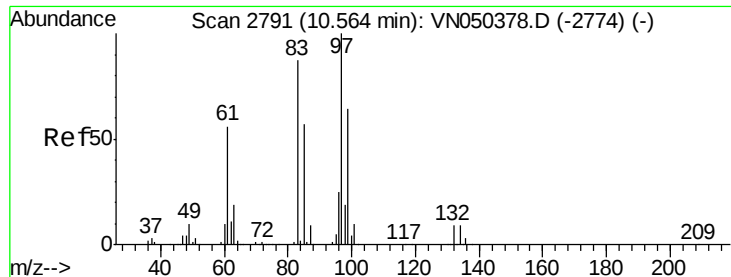
Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3

39 44.9 36.6 55.0





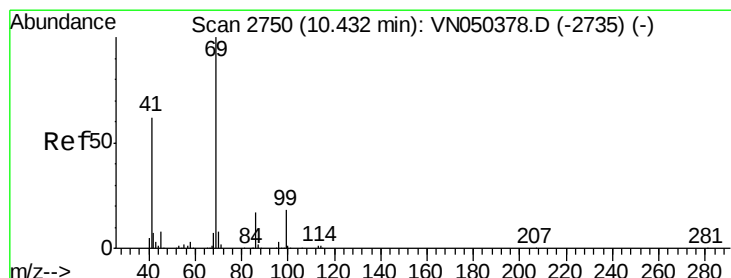
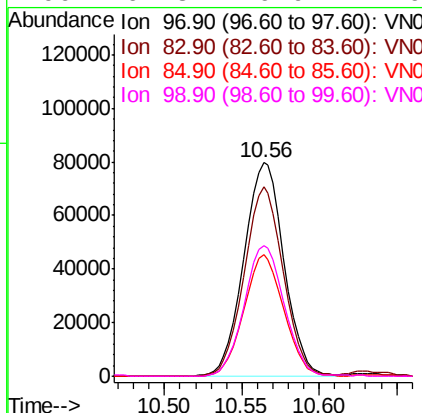
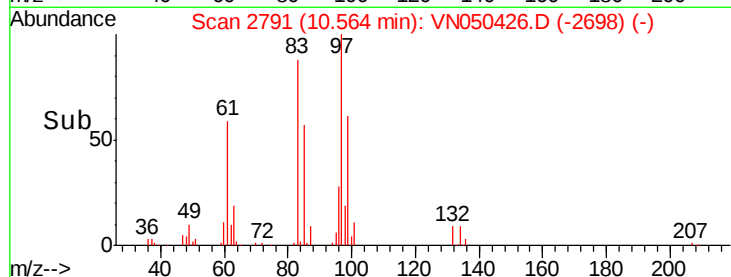
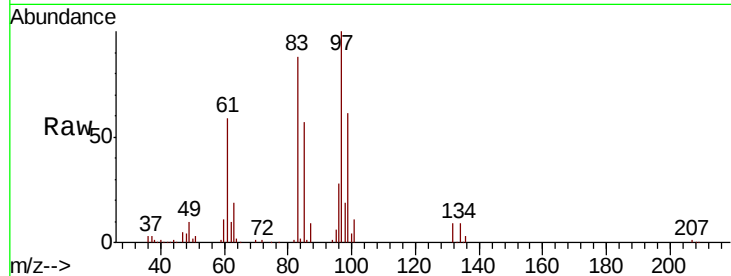
#55
 1,1,2-Trichloroethane
 Concen: 19.42 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0807MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		144078		
83	88.5	69.2	103.8		
85	57.0	44.0	66.0		
99	61.3	49.9	74.9		

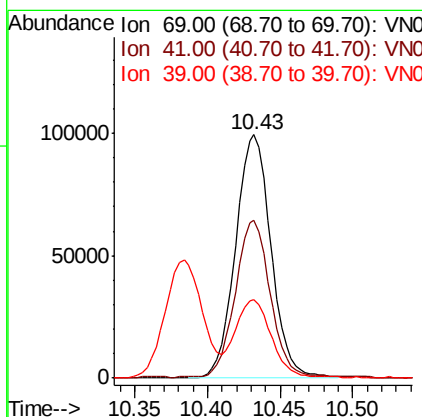
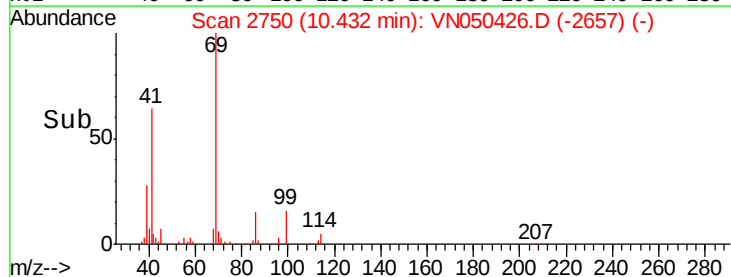
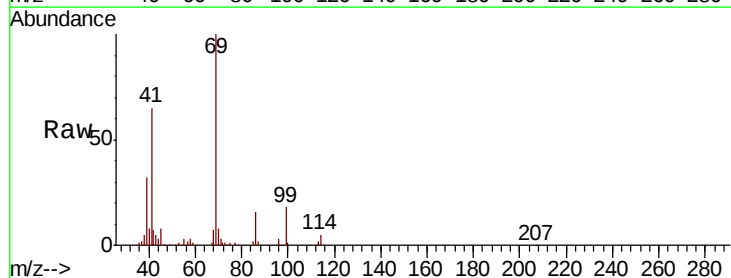
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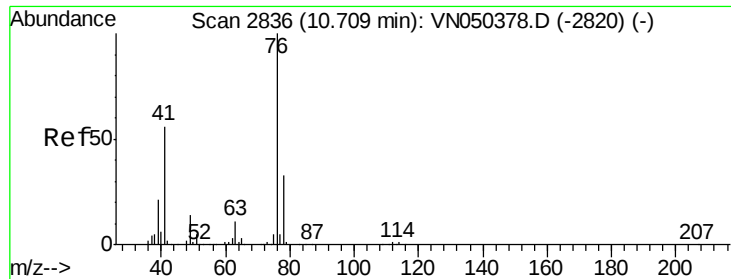
MMDadoda
 8/8/2018 10:47:10 AM



#56
 Ethyl methacrylate
 Concen: 17.25 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		168908		
41	63.3	51.0	76.4		
39	32.6	26.6	40.0		





#57

1,3-Dichloropropane

Concen: 19.59 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Instrument :

MSVOA_N

ClientSampled :

VN0807MBS01

Tot Ion: 76 Resp: 238566

Ion Ratio Lower Upper

76 100

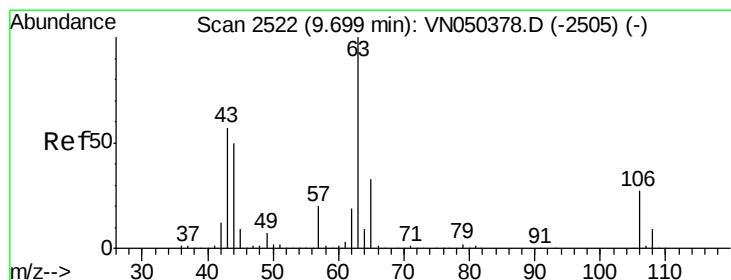
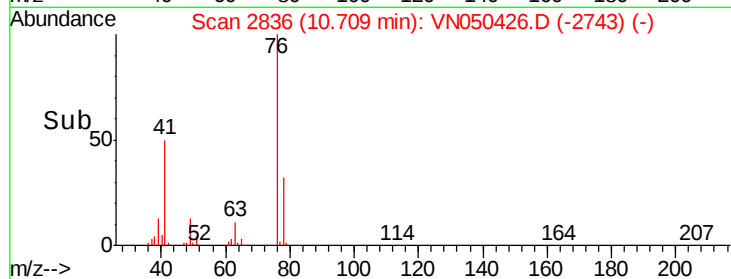
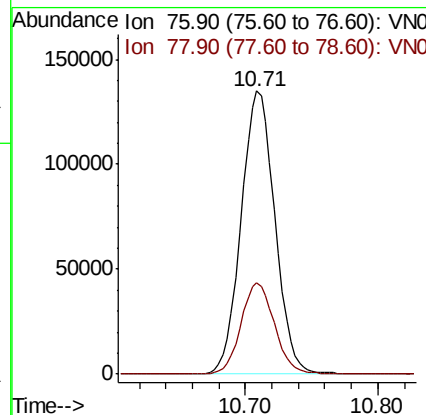
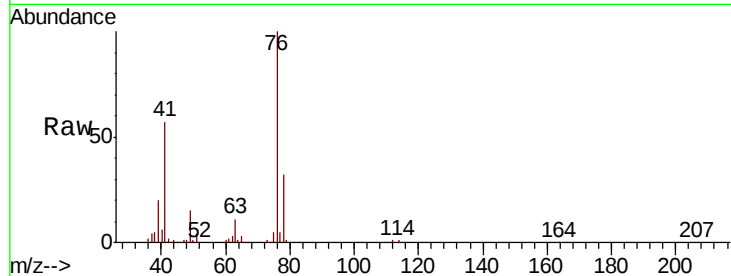
78 32.1 25.7 38.5

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8/8/2018 10:47:10 AM



#58

2-Chloroethyl Vinyl ether

Concen: 88.89 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VN050426.D

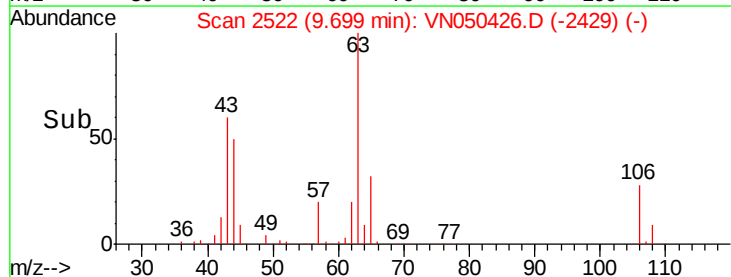
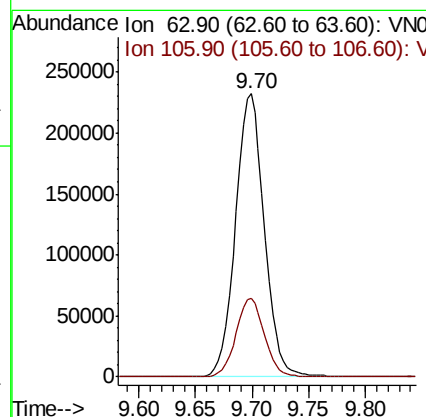
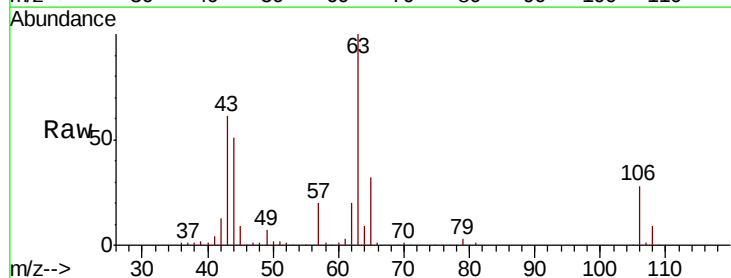
Acq: 7 Aug 2018 12:57

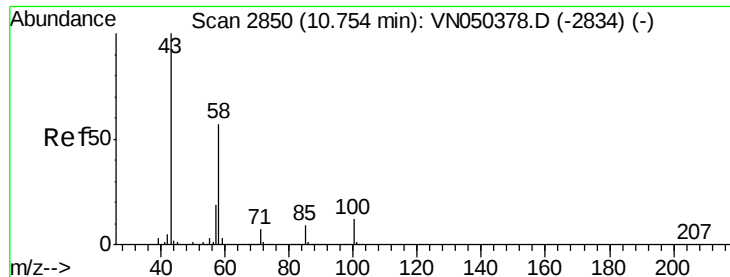
Tgt Ion: 63 Resp: 410922

Ion Ratio Lower Upper

63 100

106 27.4 21.7 32.5





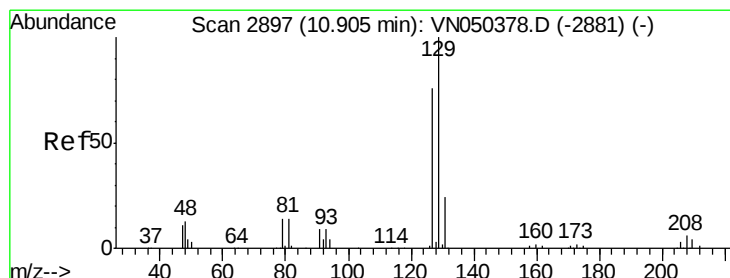
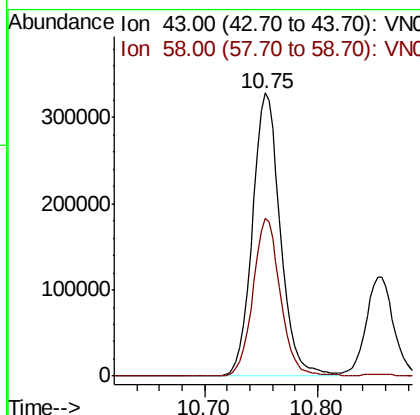
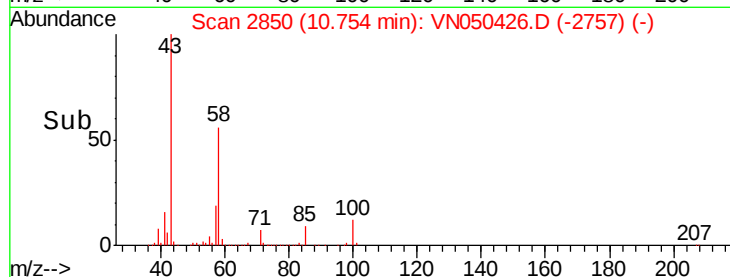
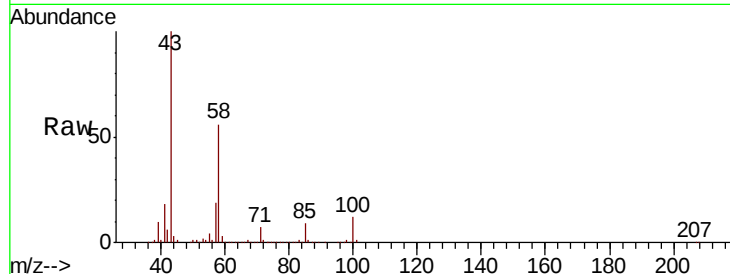
#59
2-Hexanone
Concen: 87.19 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0807MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	27.6	82.7

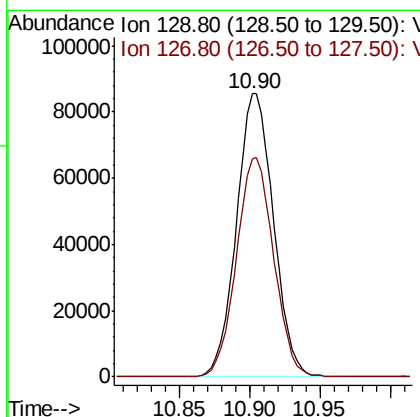
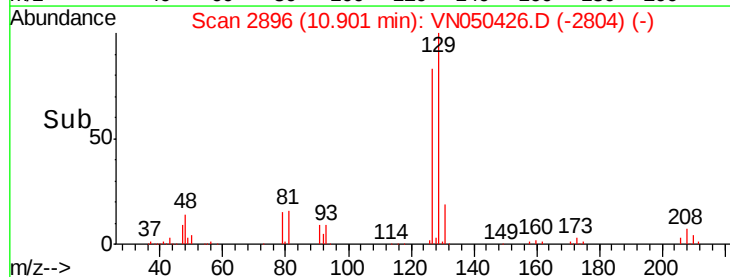
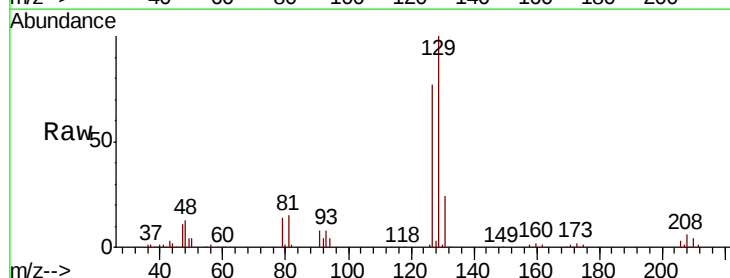
Manual Integrations
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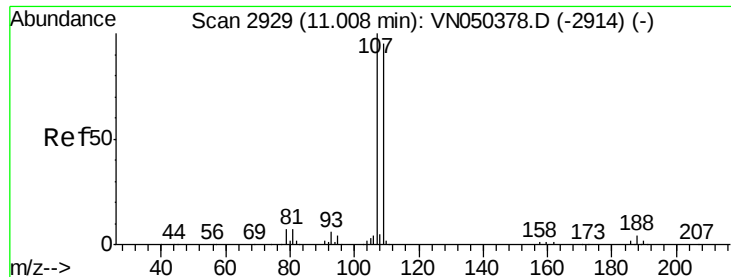
MMDadoda
8/8/2018 10:47:10 AM



#60
Dibromochloromethane
Concen: 19.25 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.0	113.9





#61

1,2-Dibromoethane

Concen: 18.92 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBS01

Tot Ion: 107 Resp: 138375

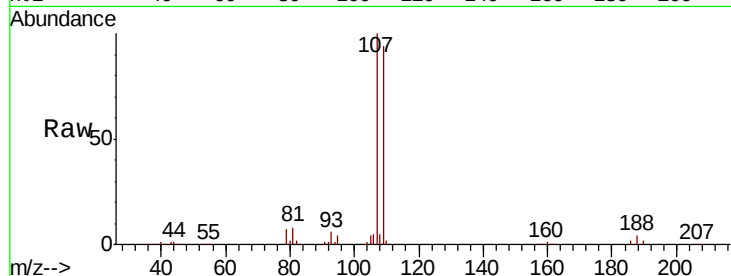
Ion Ratio Lower Upper

107 100

109 96.5 74.6 112.0

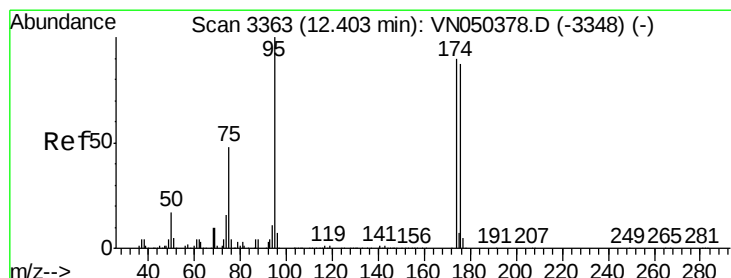
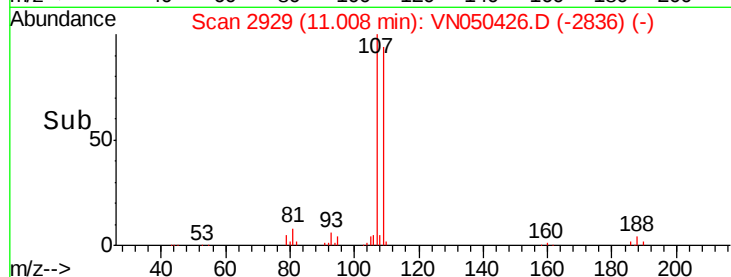
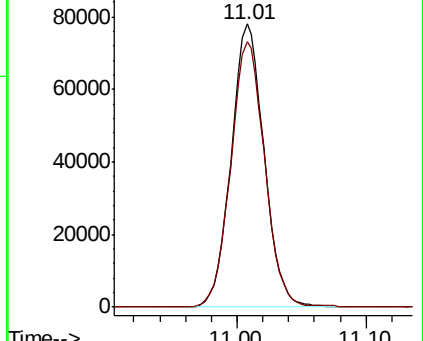
Manual Integrations
APPROVED

MMDadoda
8/8/2018 10:47:10 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.31 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

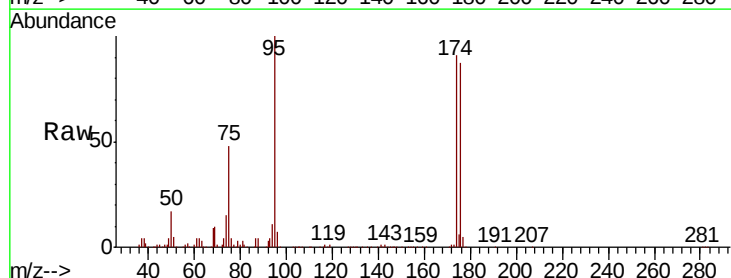
Tgt Ion: 95 Resp: 455489

Ion Ratio Lower Upper

95 100

174 90.3 0.0 178.2

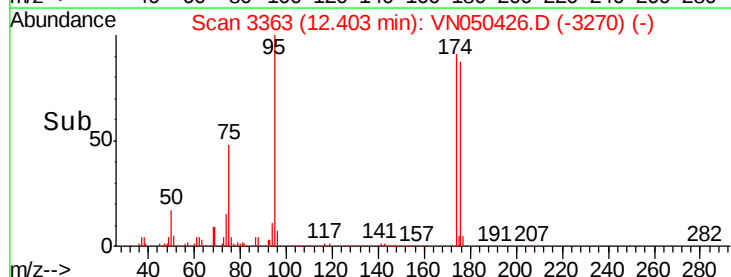
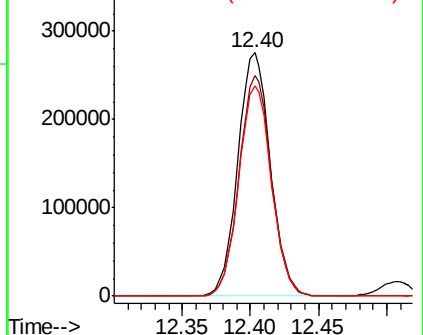
176 86.7 0.0 173.4

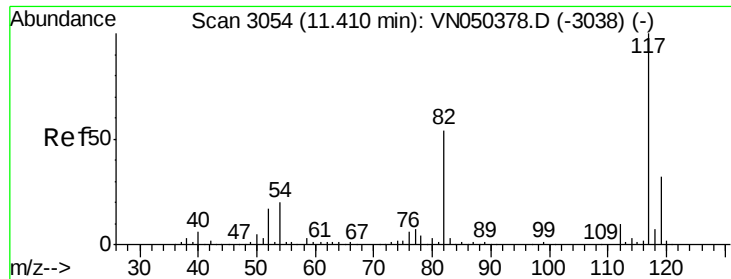


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





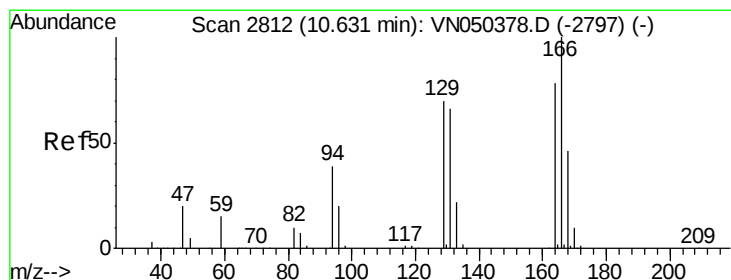
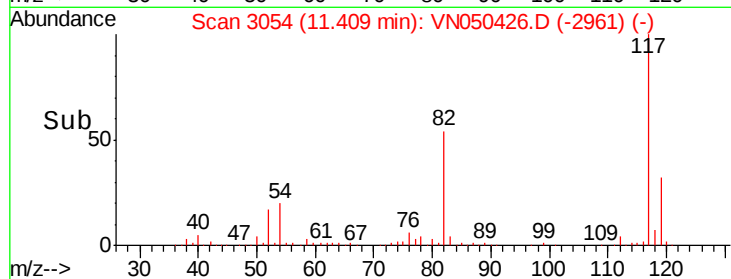
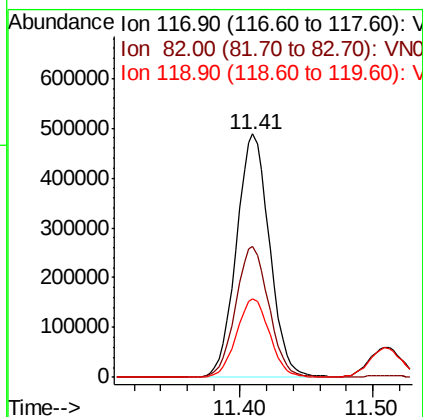
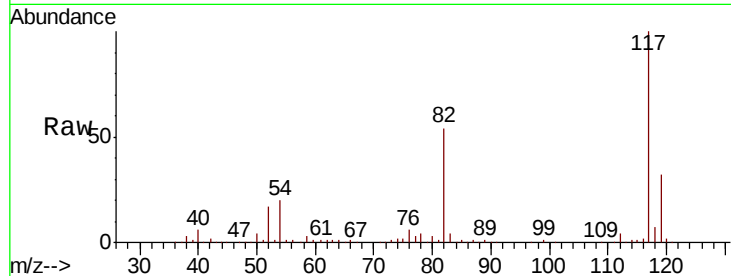
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0807MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.7	65.5
119	32.3	26.1	39.1

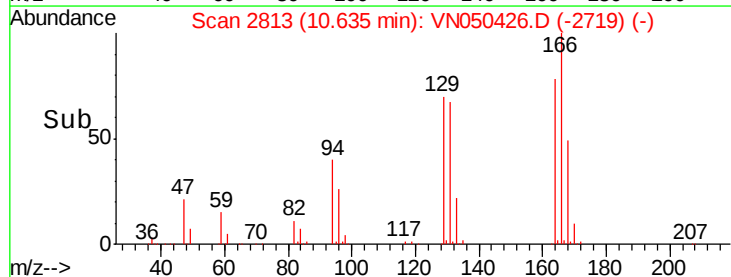
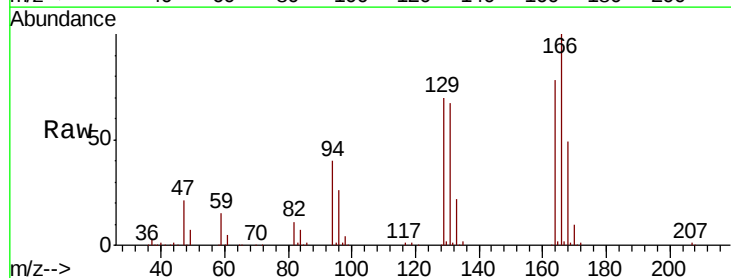
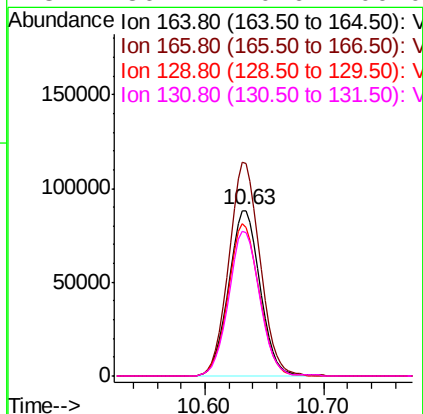
Manual Integrations
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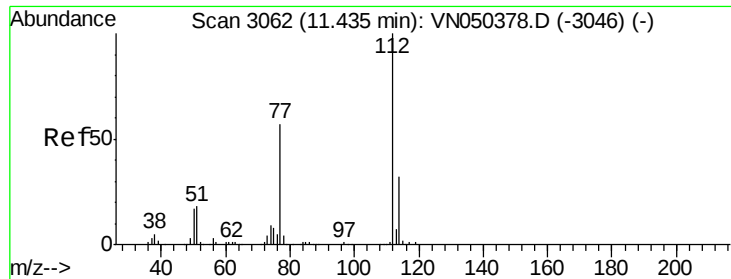
MMDadoda
8/8/2018 10:47:10 AM



#64
Tetrachloroethene
Concen: 20.42 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	102.1	153.1
129	89.9	73.2	109.8
131	86.4	70.6	106.0





#65

Chlorobenzene

Concen: 19.08 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Instrument :

MSVOA_N

ClientSampled :

VN0807MBS01

Tot Ion:112 Resp: 405730

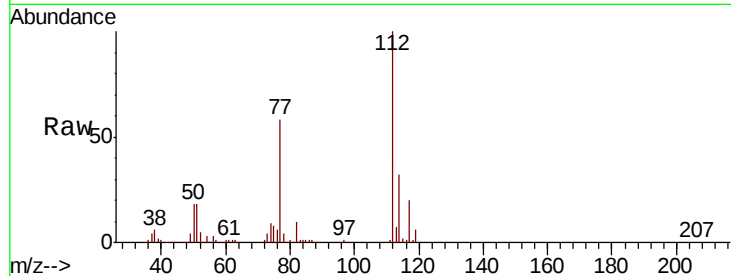
Ion Ratio Lower Upper

112 100

114 32.3 25.6 38.4

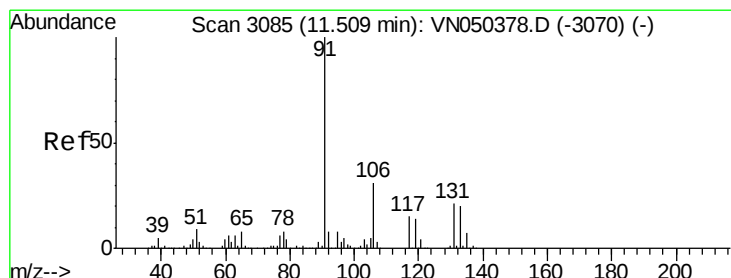
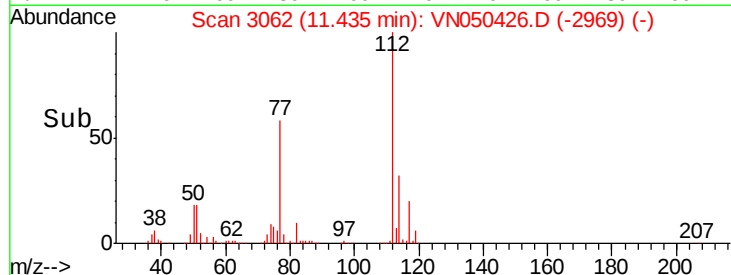
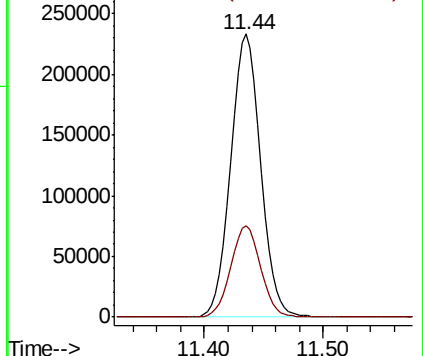
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.09 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

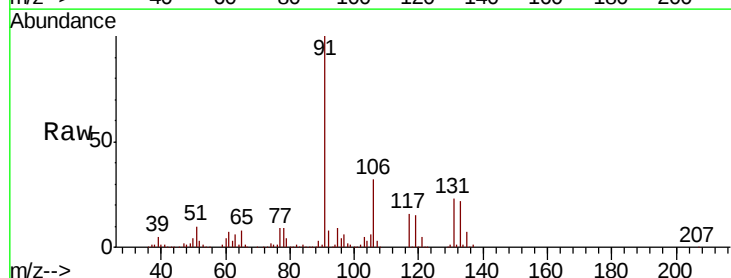
Tgt Ion:131 Resp: 155419

Ion Ratio Lower Upper

131 100

133 93.5 47.3 141.9

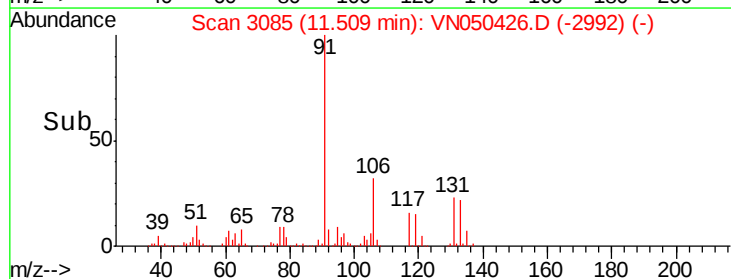
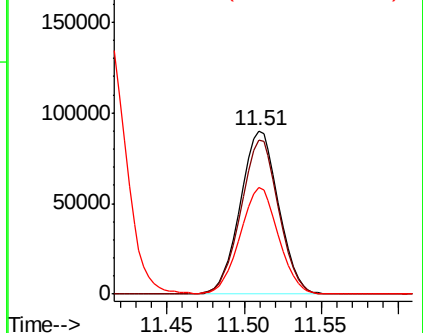
119 65.2 32.9 98.7

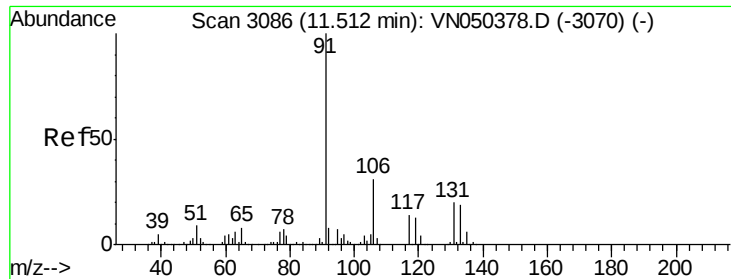


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





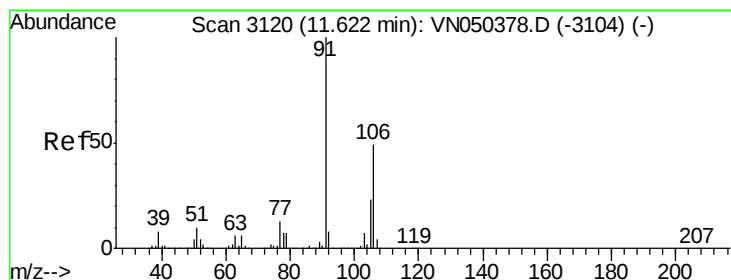
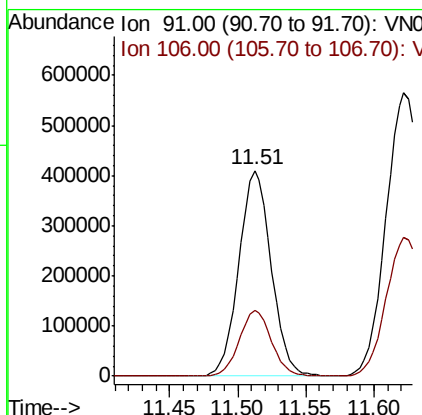
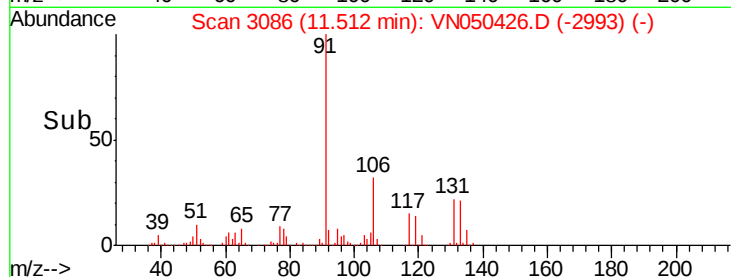
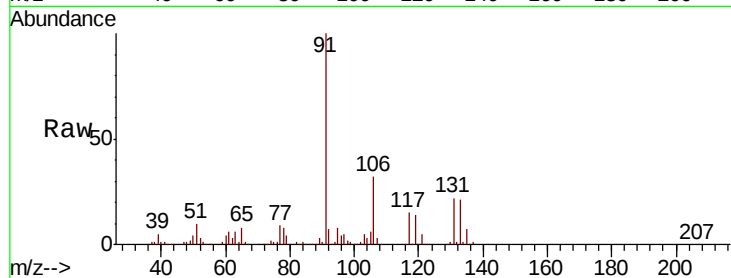
#67
Ethyl Benzene
Concen: 19.64 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0807MBS01

Tot Ion: 91 Resp: 674899
Ion Ratio Lower Upper
91 100
106 32.0 25.0 37.4

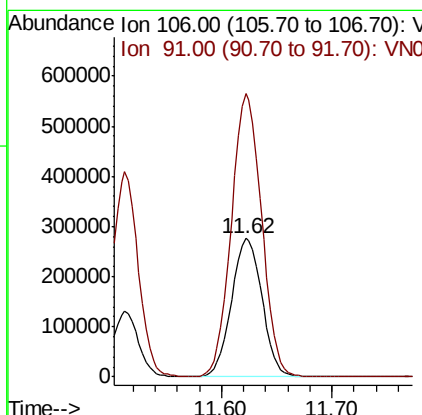
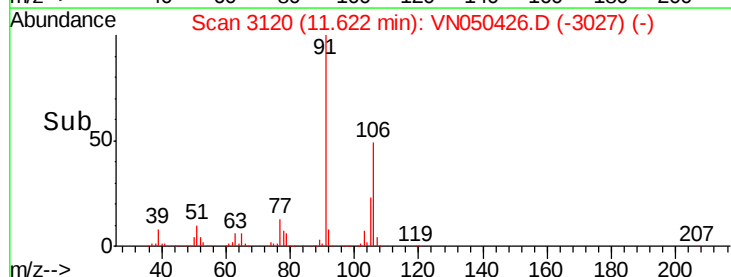
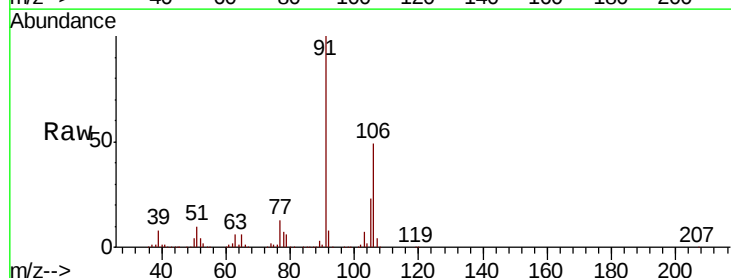
Manual Integrations
APPROVED

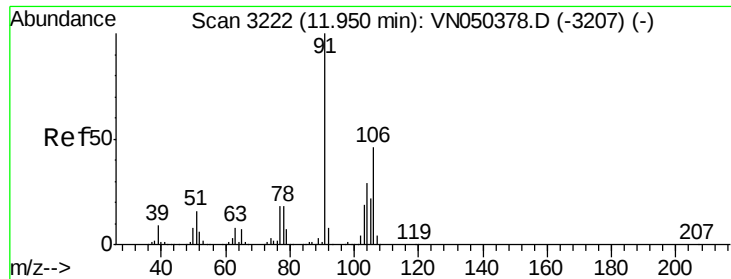
MMDadoda
8/8/2018 10:47:10 AM



#68
m/p-Xylenes
Concen: 40.51 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion: 106 Resp: 530030
Ion Ratio Lower Upper
106 100
91 202.1 162.2 243.2





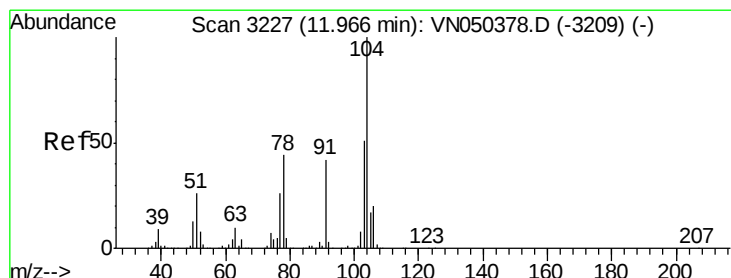
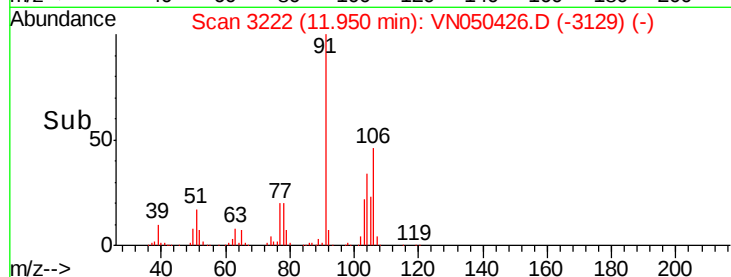
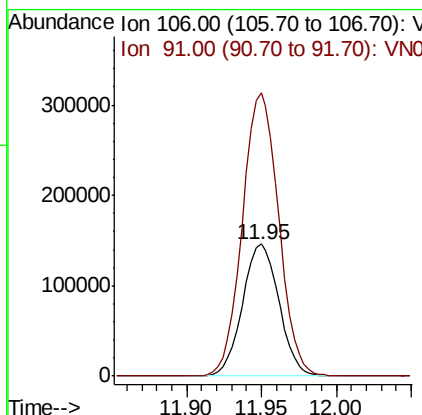
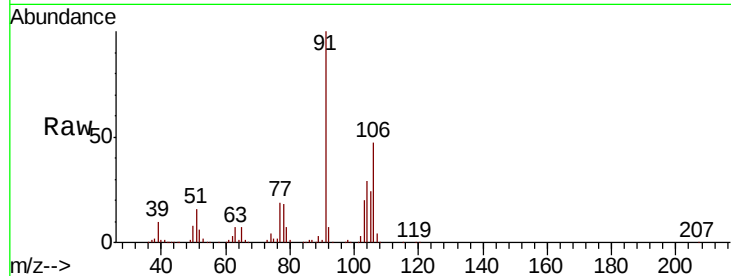
#69
o-Xylene
Concen: 19.66 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0807MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.0	107.7	323.1

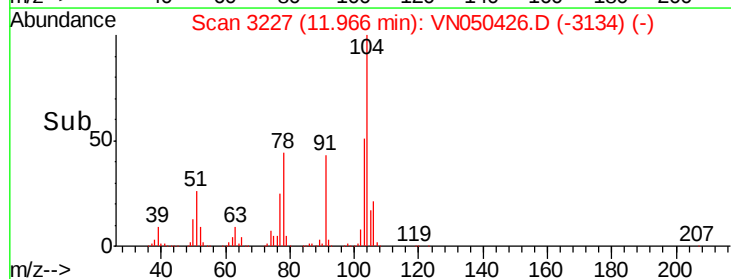
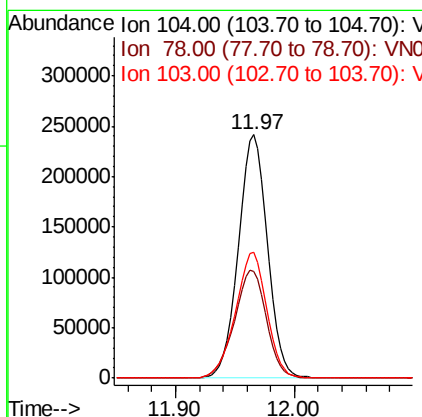
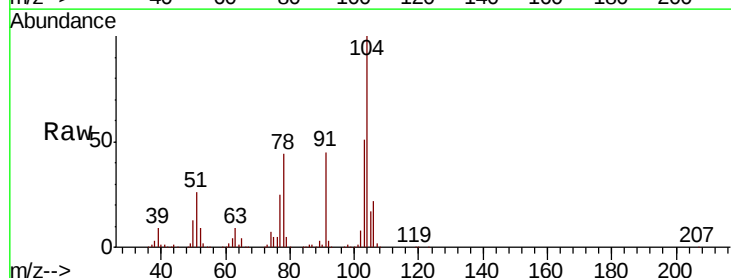
Manual Integrations
APPROVED

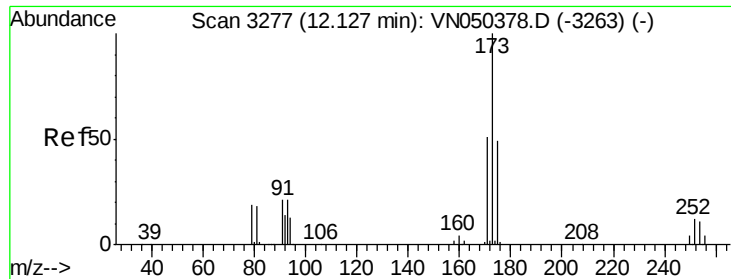
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#70
Styrene
Concen: 20.02 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.3	58.9
103	55.4	45.0	67.6





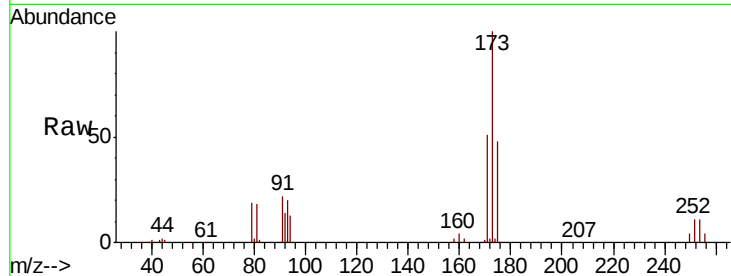
#71
Bromoform
Concen: 18.84 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0807MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.2
254	0.0	0.2	0.2#

Manual Integrations
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8/8/2018 10:47:10 AM

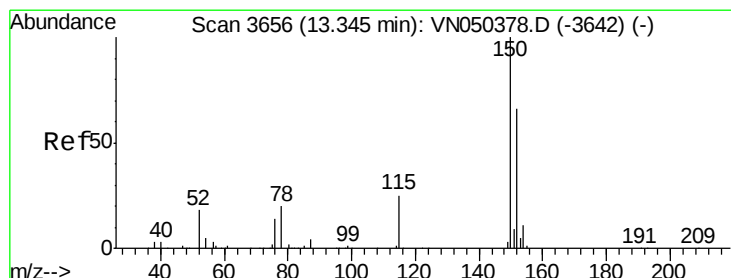
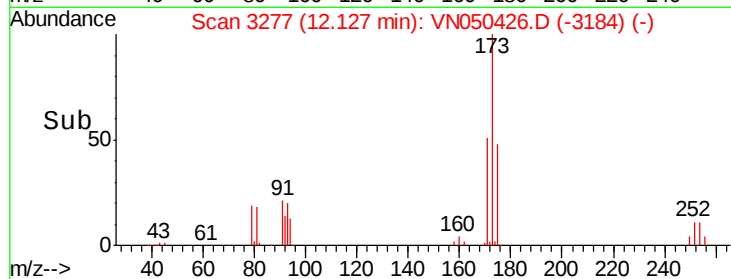
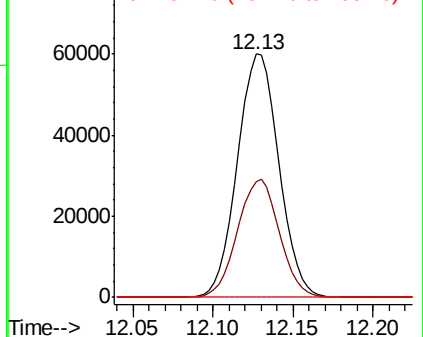


Abundance

Ion 172.70 (172.40 to 173.40): V

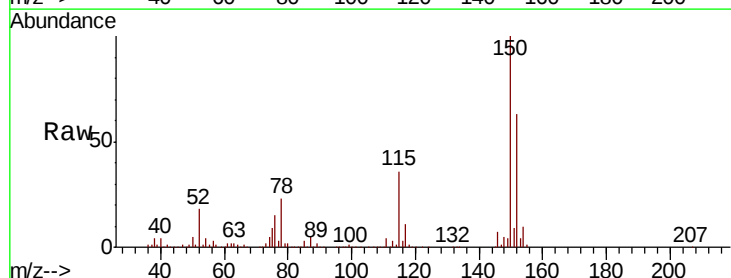
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	27.8	83.3
150	164.8	0.0	348.6

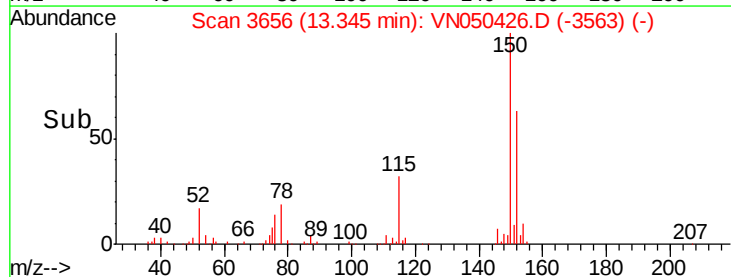
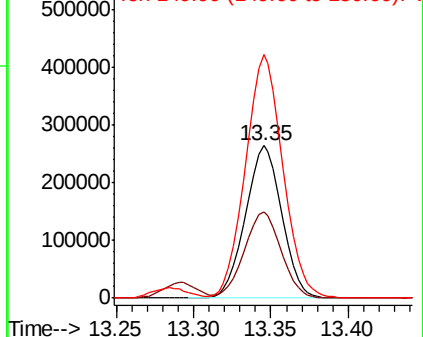


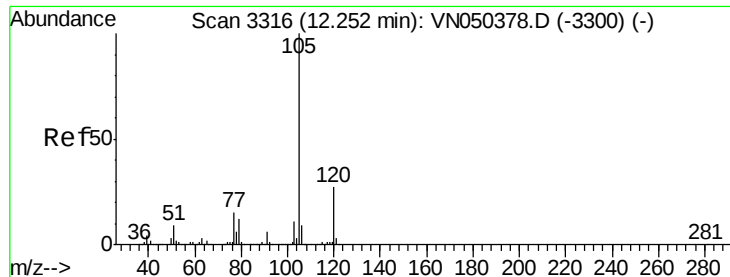
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.24 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBS01

Tot Ion: 105 Resp: 655502

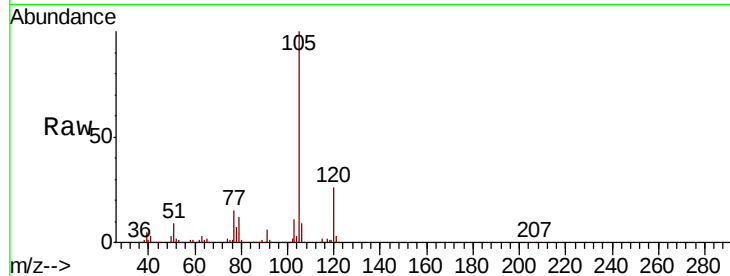
Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8

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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

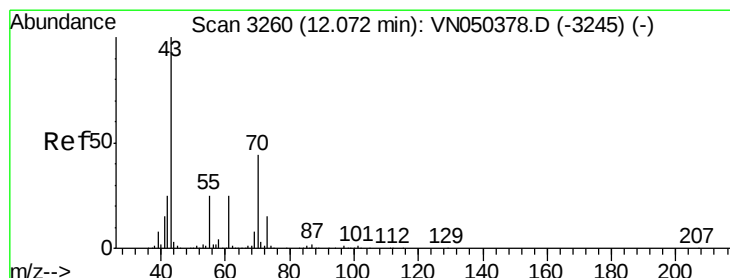
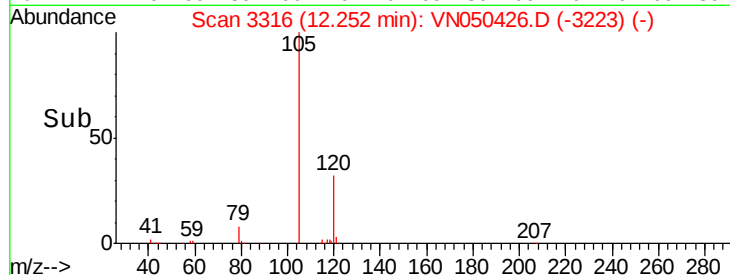
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 17.87 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Tgt Ion: 43 Resp: 187576

Ion Ratio Lower Upper

43 100

70 43.6 34.4 51.6

55 27.4 20.8 31.2

61 24.4 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

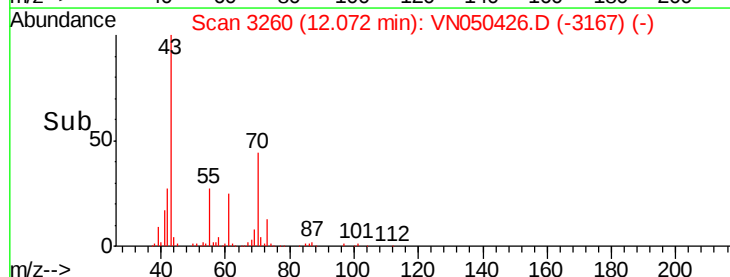
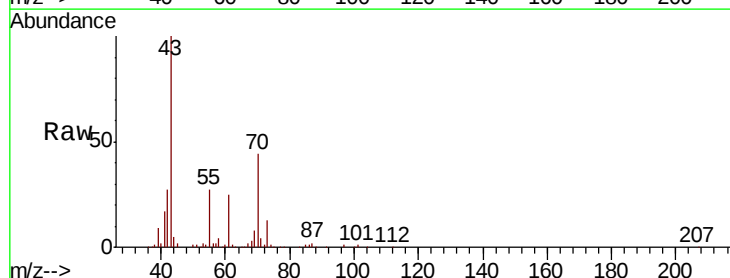
150000

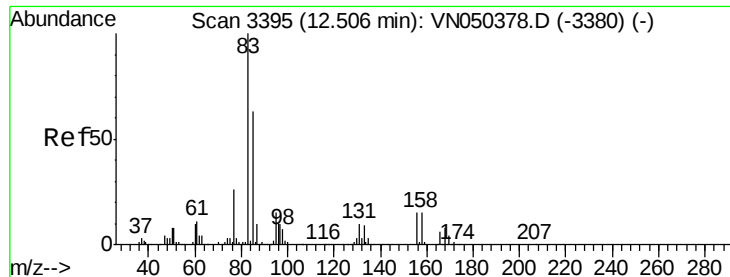
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.18 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Instrument :

MSVOA_N

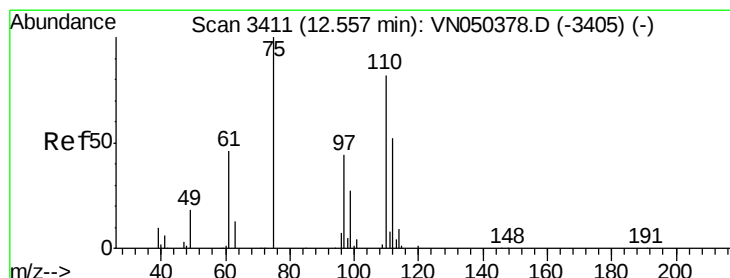
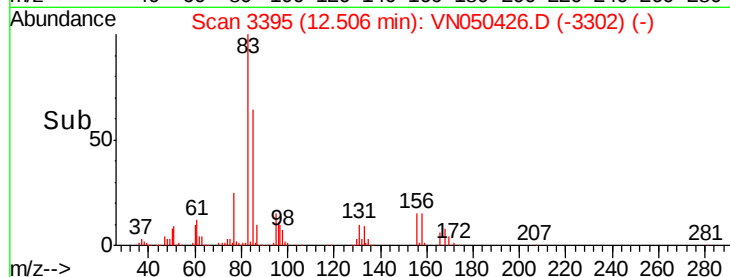
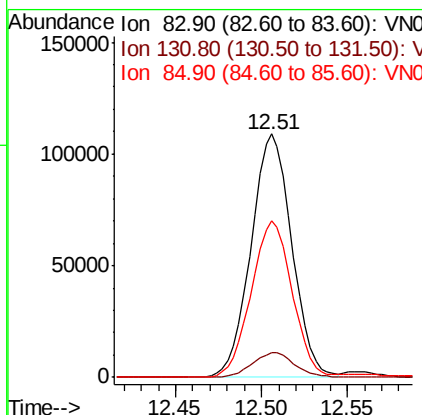
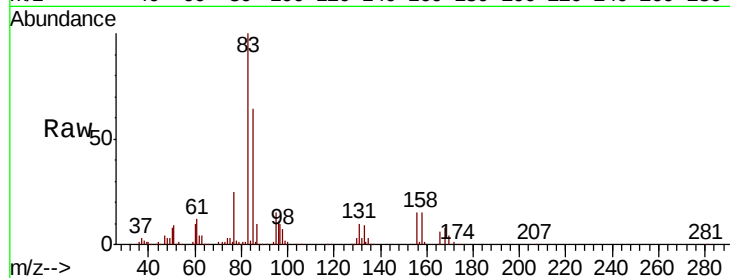
ClientSampleId :

VN0807MBS01

Tot Ion	83	Resp	179198
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	64.7	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.14 ug/l m

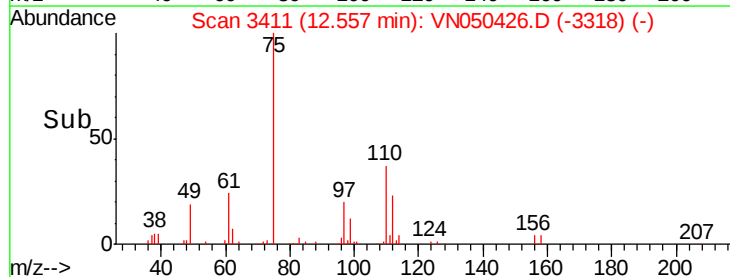
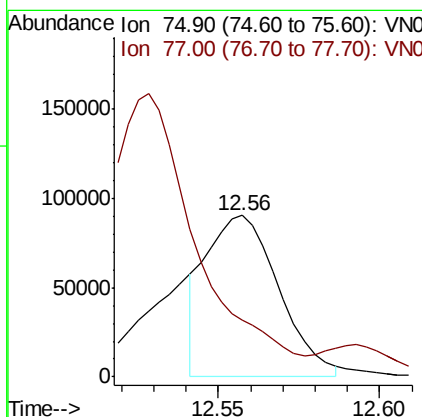
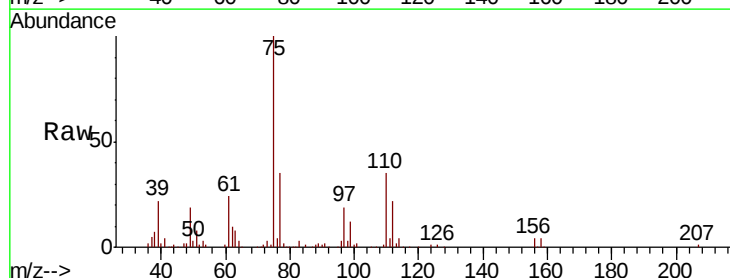
RT: 12.56 min Scan# 3411

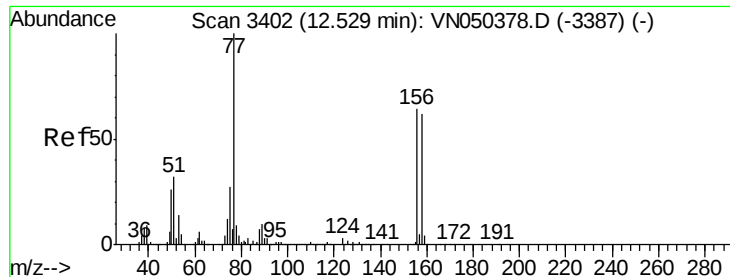
Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Tgt Ion	75	Resp	141671
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.04 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Instrument :

MSVOA_N

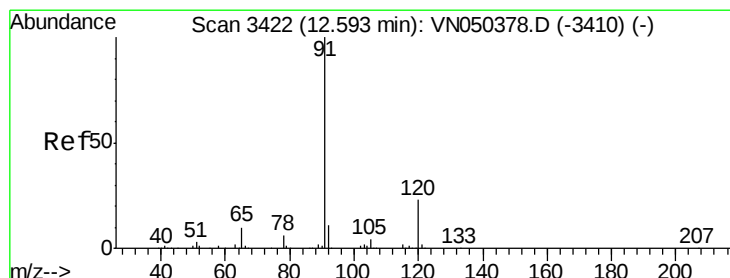
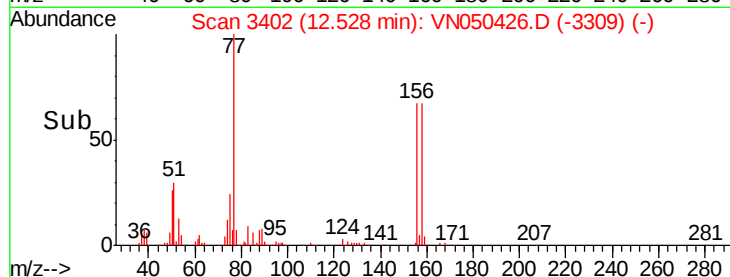
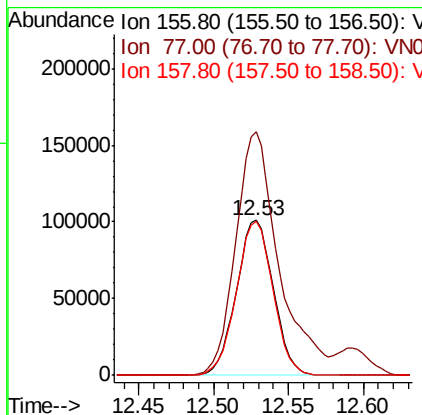
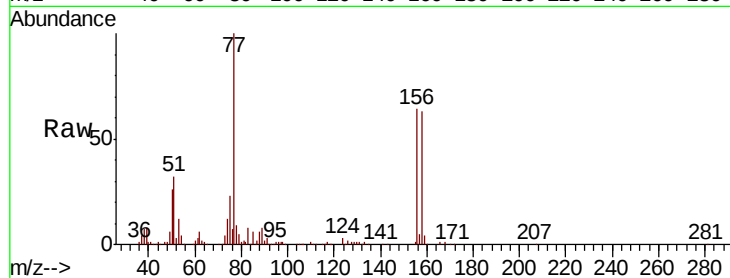
ClientSampled :

VN0807MBS01

Tot Ion:	156	Resp:	173840
Ion Ratio	Lower	Upper	
156	100		
77	183.6	91.7	275.1
158	98.2	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.51 ug/l

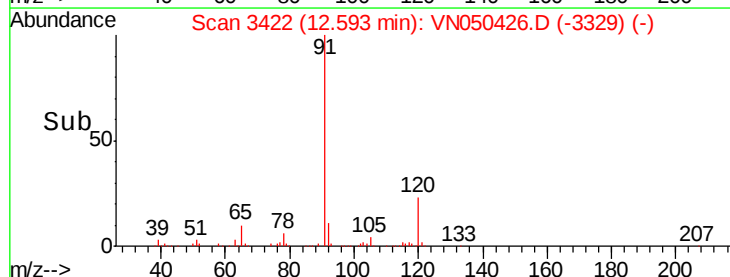
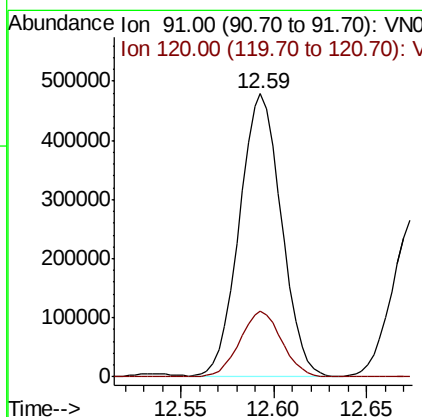
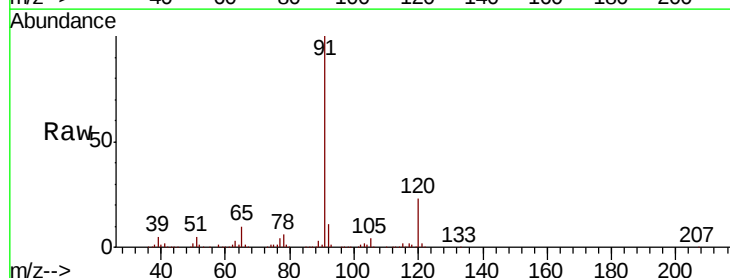
RT: 12.59 min Scan# 3422

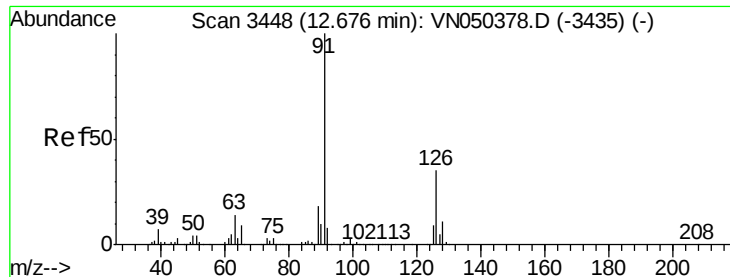
Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Tgt Ion:	91	Resp:	751572
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.6	34.7





#79

2-Chlorotoluene

Concen: 20.28 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Instrument :

MSVOA_N

ClientSampled :

VN0807MBS01

Tot Ion: 91 Resp: 459174

Ion Ratio Lower Upper

91 100

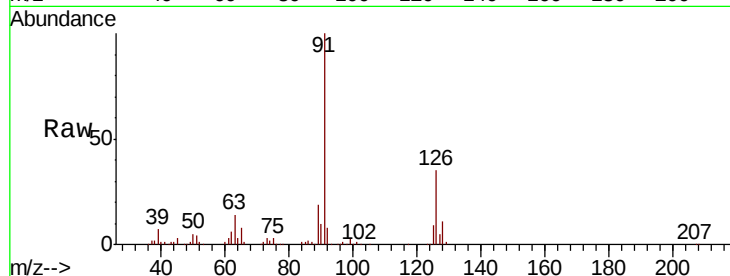
126 35.5 17.6 52.8

Manual Integrations

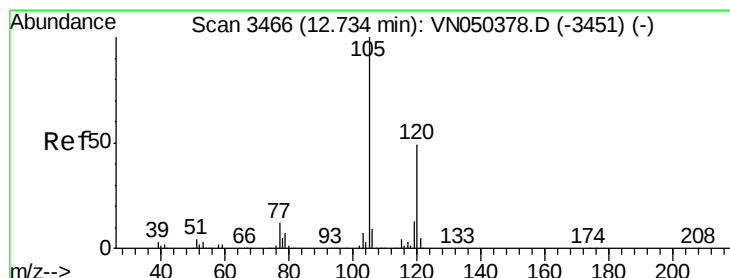
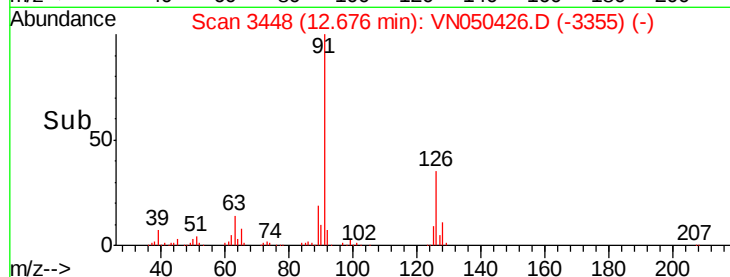
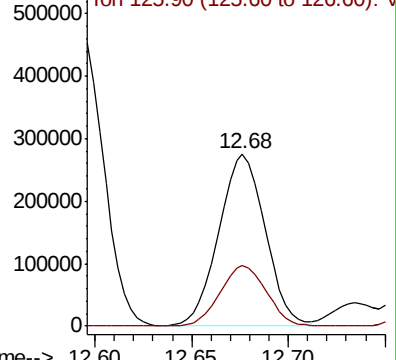
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Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.89 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050426.D

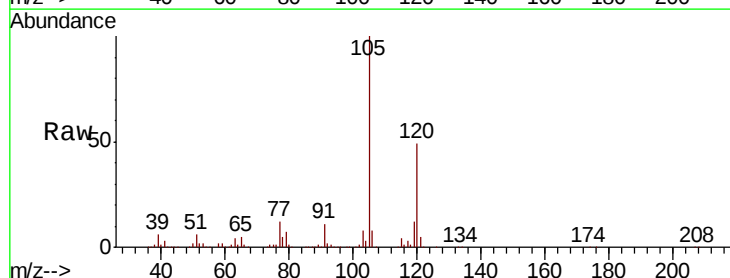
Acq: 7 Aug 2018 12:57

Tgt Ion:105 Resp: 548988

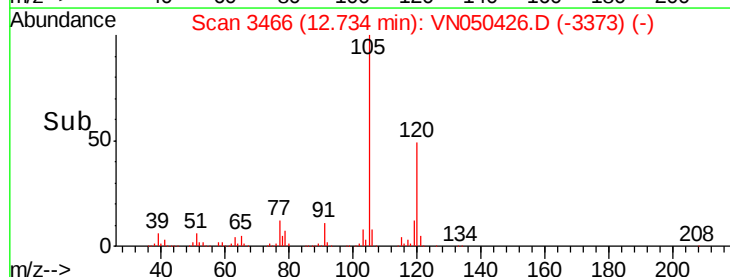
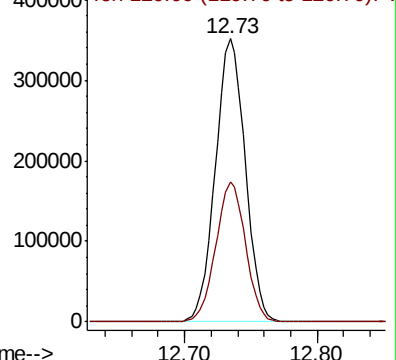
Ion Ratio Lower Upper

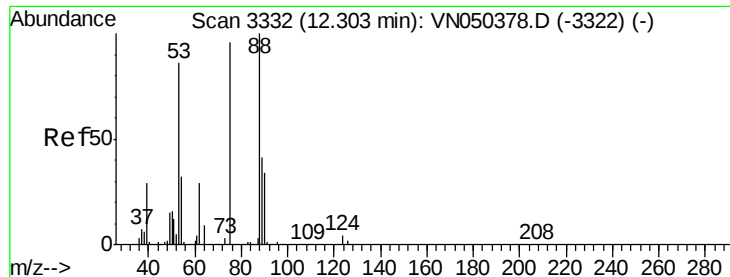
105 100

120 49.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050378.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.08 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBS01

Tot Ion: 75 Resp: 44619

Ion Ratio Lower Upper

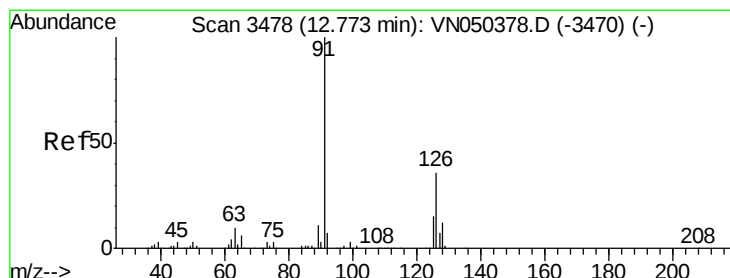
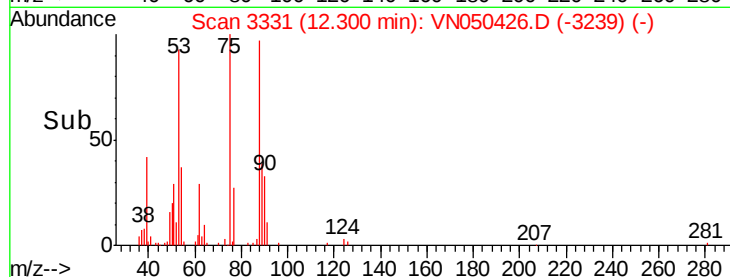
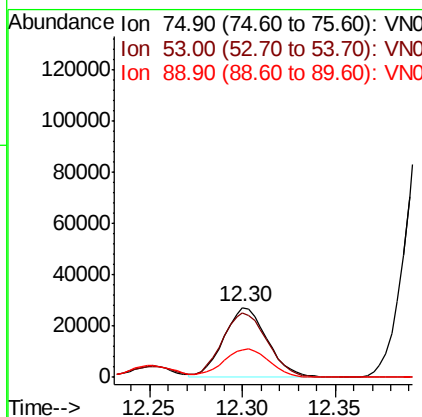
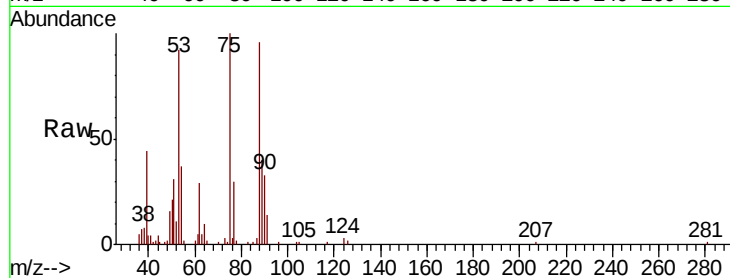
75 100

53 96.1 73.5 110.3

89 42.5 36.0 54.0

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#82

4-Chlorotoluene

Concen: 20.38 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050426.D

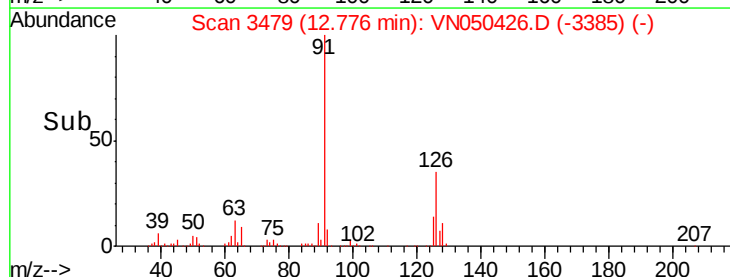
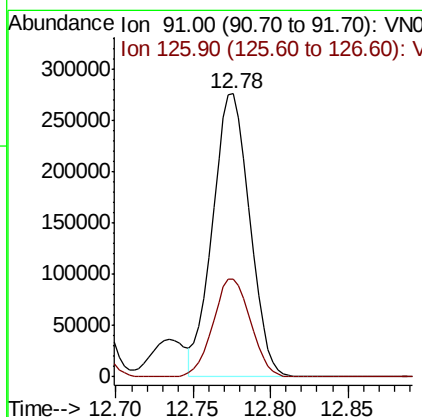
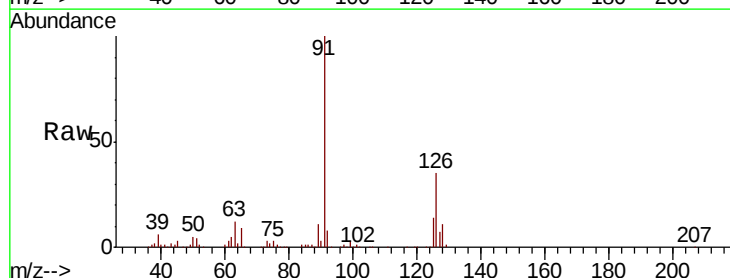
Acq: 7 Aug 2018 12:57

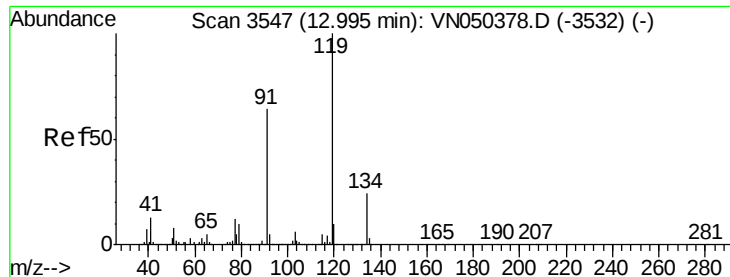
Tgt Ion: 91 Resp: 459962

Ion Ratio Lower Upper

91 100

126 35.2 17.0 51.0





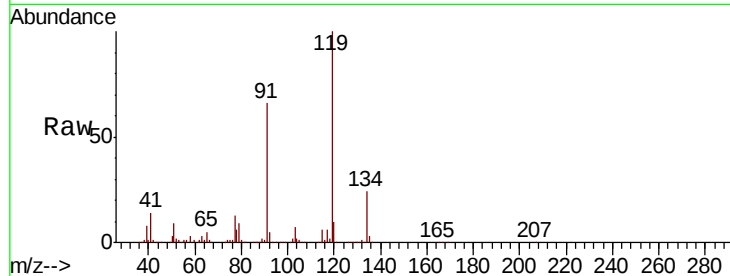
#83
 tert-Butylbenzene
 Concen: 19.99 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0807MBS01

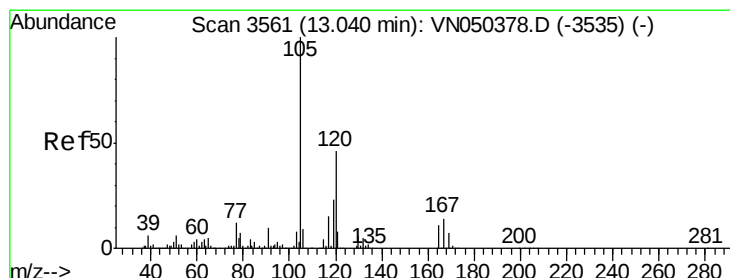
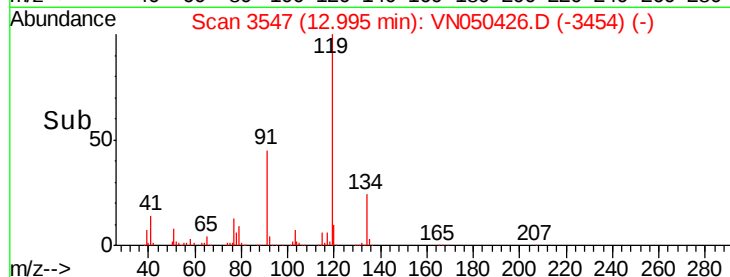
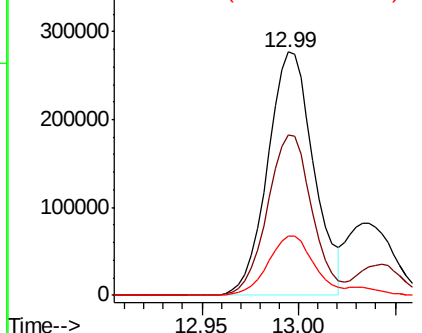
Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.1	96.3
134	24.3	13.2	39.5

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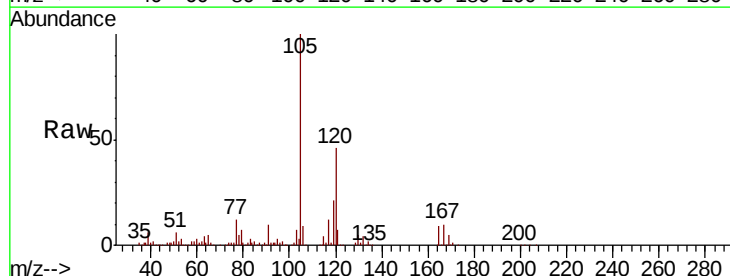


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

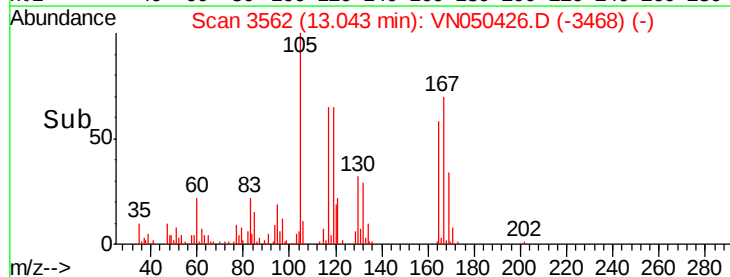
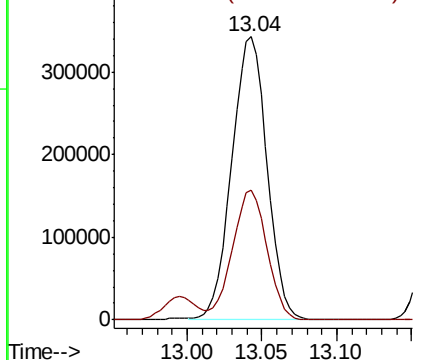


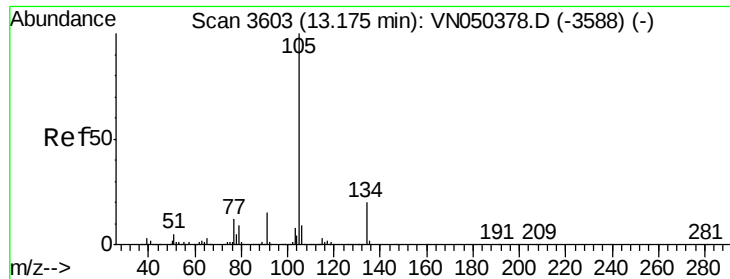
#84
 1,2,4-Trimethylbenzene
 Concen: 21.03 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.9	68.7



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





#85

sec-Butylbenzene

Concen: 20.29 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBS01

Tot Ion:105 Resp: 620190

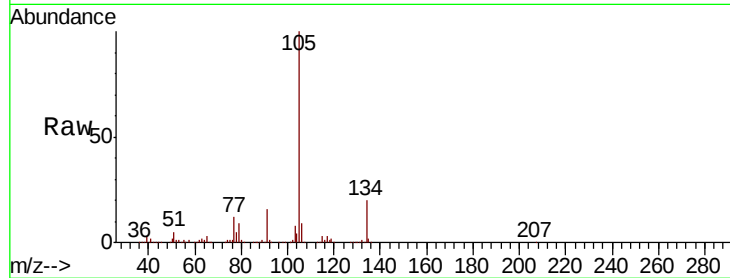
Ion Ratio Lower Upper

105 100

134 19.8 10.1 30.1

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

Ion 134.00 (133.70 to 134.70): V

13.17

400000

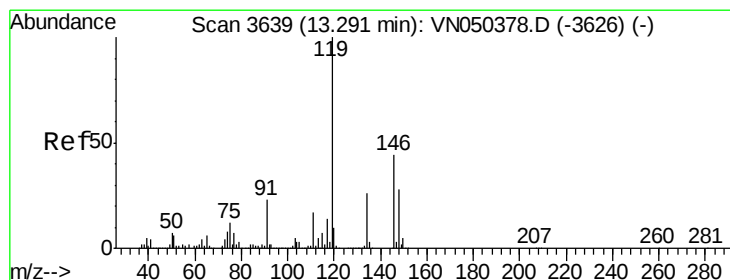
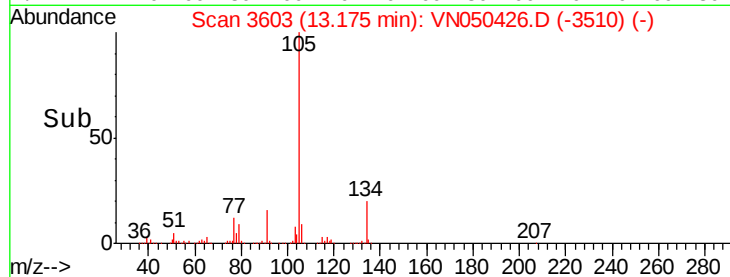
300000

200000

100000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 20.28 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050426.D

Acq: 7 Aug 2018 12:57

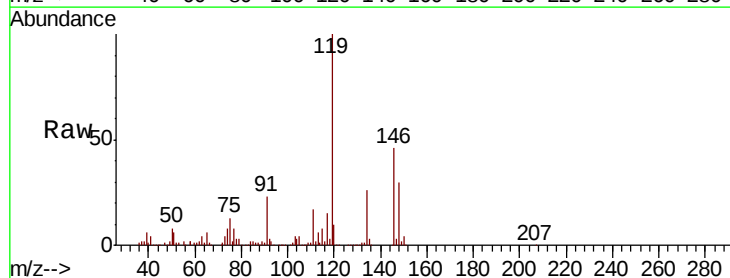
Tgt Ion:119 Resp: 531154

Ion Ratio Lower Upper

119 100

134 26.6 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

13.29

400000

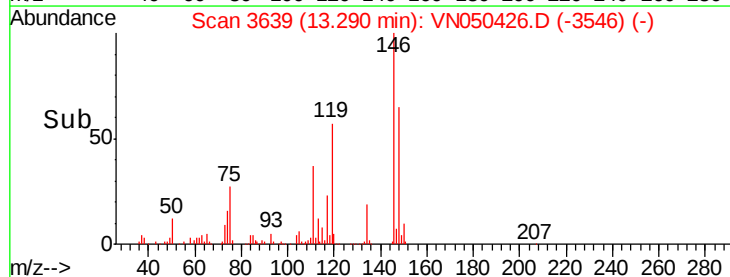
300000

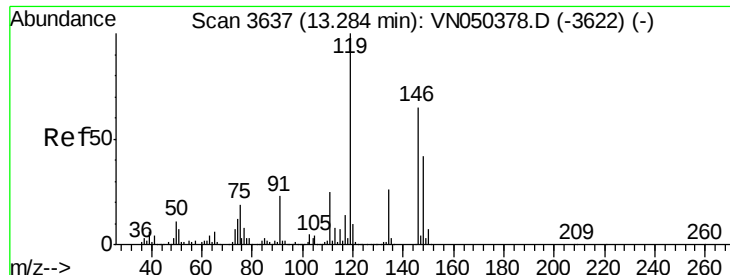
200000

100000

0

Time--> 13.25 13.30 13.35





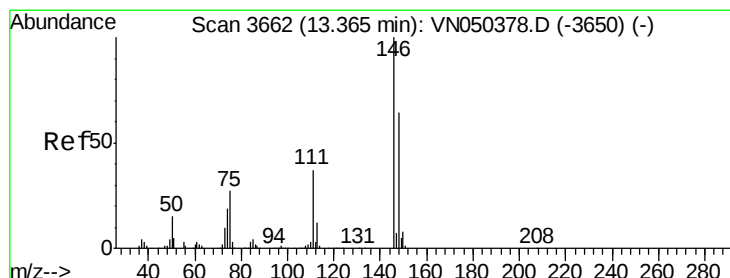
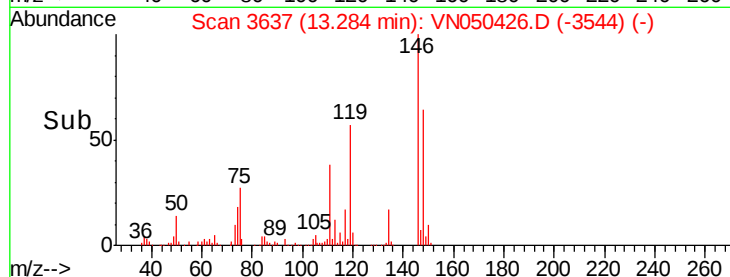
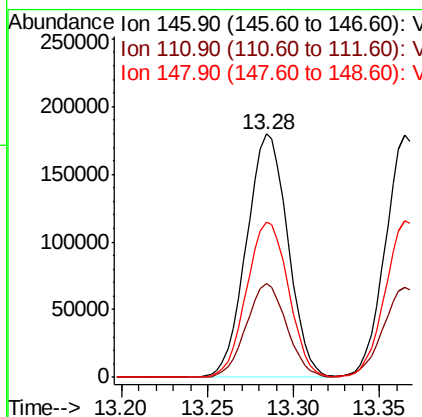
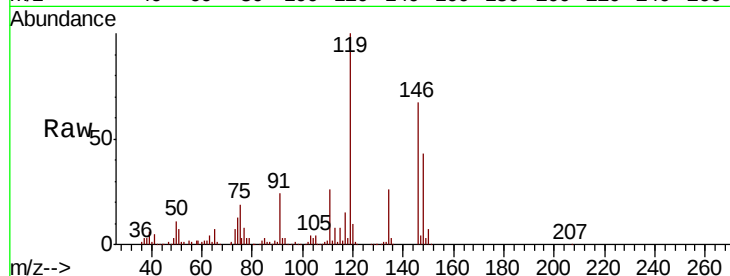
#87
 1,3-Dichlorobenzene
 Concen: 19.47 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	300764		
111	37.6	18.8	56.4	
148	64.6	31.9	95.9	

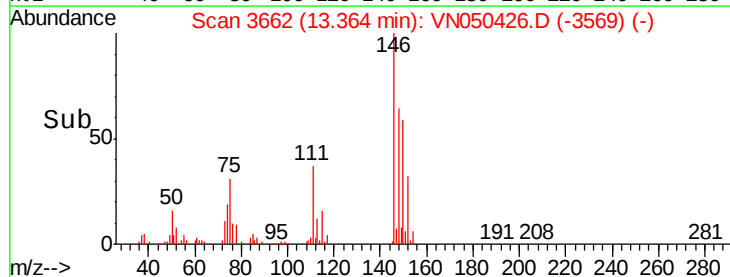
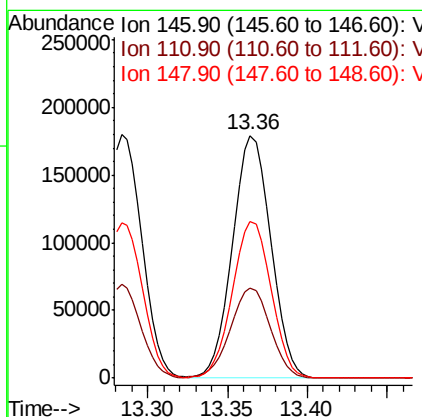
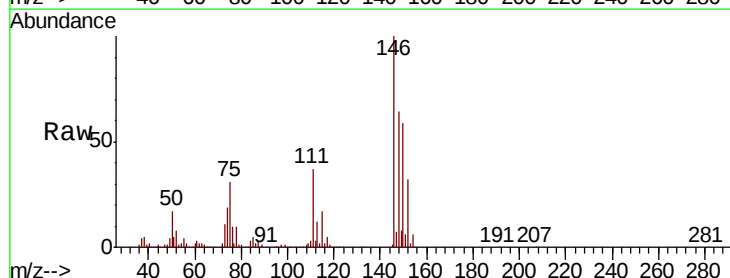
Manual Integrations
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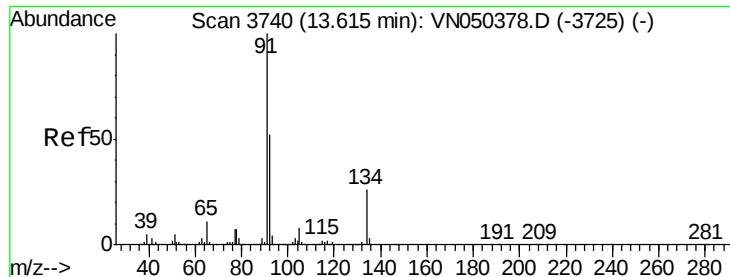
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 18.98 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	292861		
111	38.7	18.3	54.9	
148	65.2	31.9	95.9	





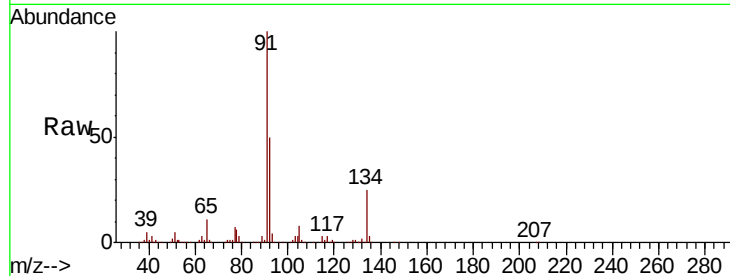
#89
n-Butylbenzene
Concen: 18.56 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0807MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	50.4	25.8	77.4	
134	25.1	12.8	38.4	

Manual Integrations
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MMDadoda
8/8/2018 10:47:10 AM

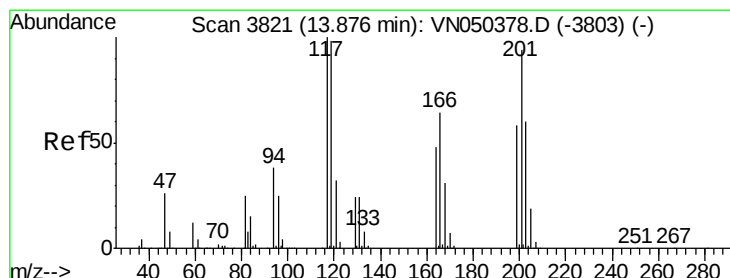
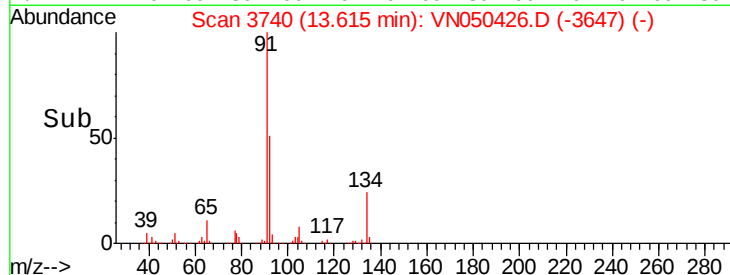
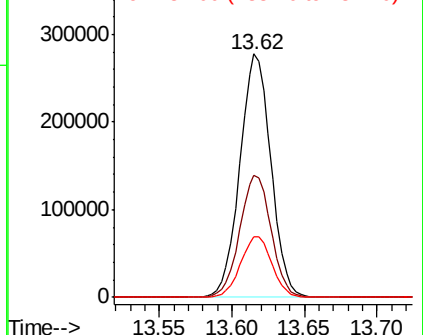


Abundance

Ion 91.00 (90.70 to 91.70): VN050378.D (-3725) (-)

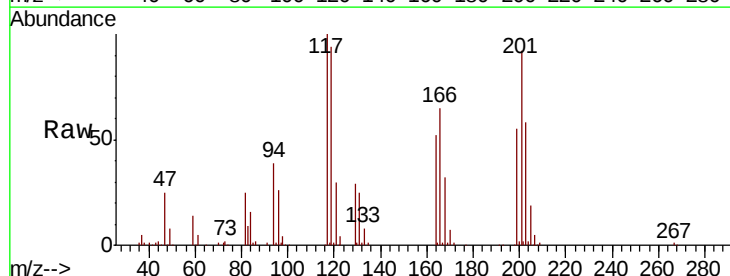
Ion 92.00 (91.70 to 92.70): VN050378.D (-3725) (-)

Ion 134.00 (133.70 to 134.70): VN050378.D (-3725) (-)



#90
Hexachloroethane
Concen: 19.67 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

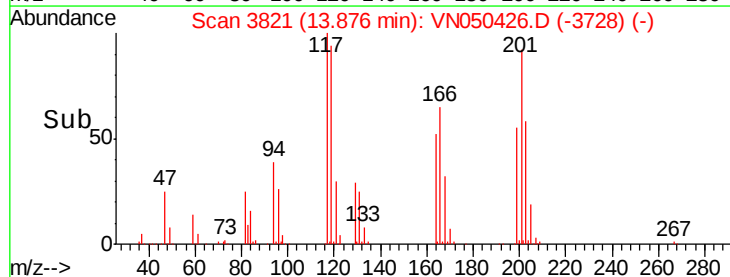
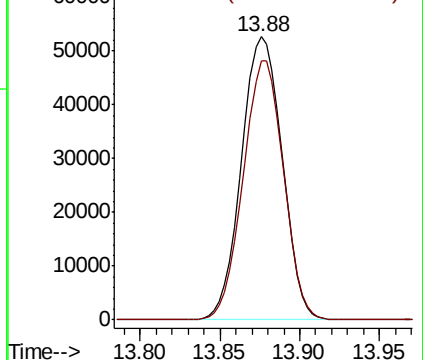
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	90.8	45.6	136.8	

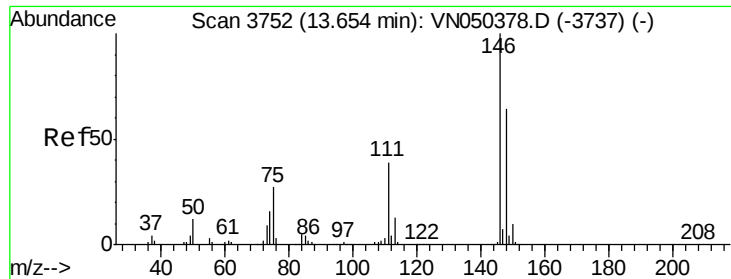


Abundance

Ion 116.80 (116.50 to 117.50): VN050378.D (-3803) (-)

Ion 200.70 (200.40 to 201.40): VN050378.D (-3803) (-)





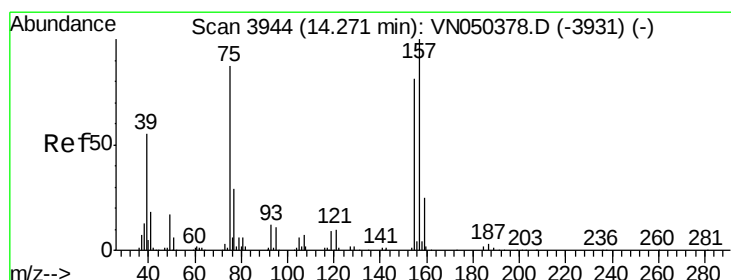
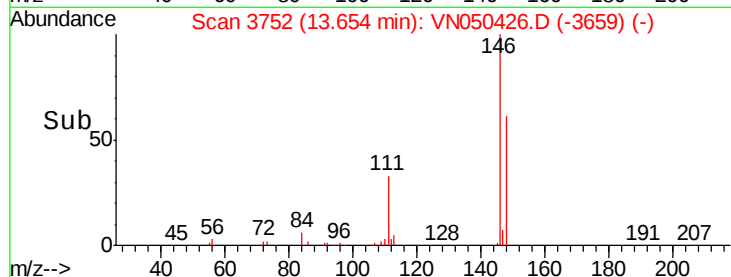
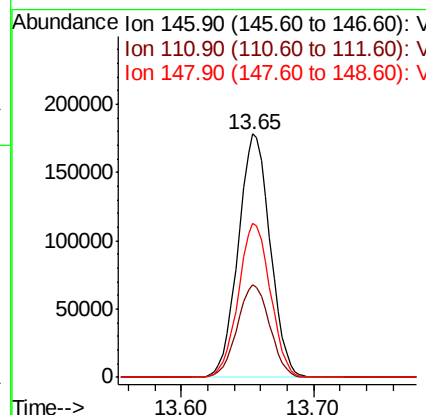
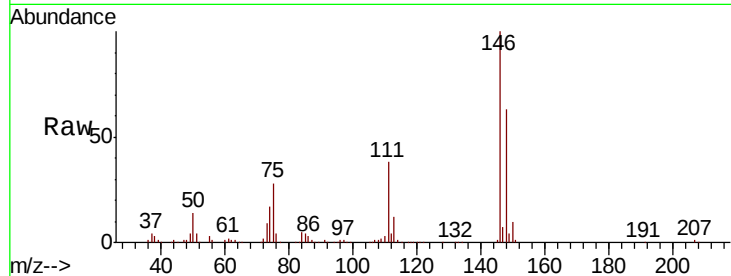
#91
 1,2-Dichlorobenzene
 Concen: 19.21 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.7
148	63.3	32.1	96.3

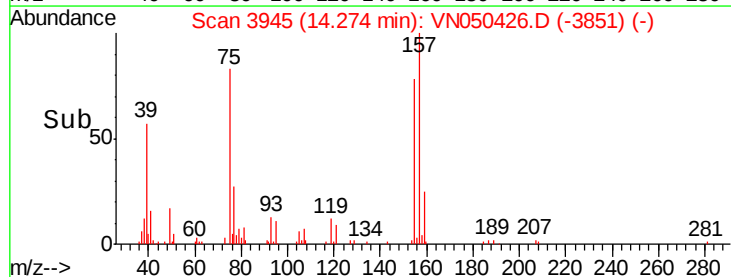
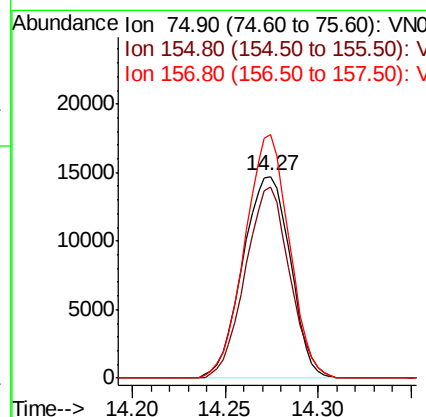
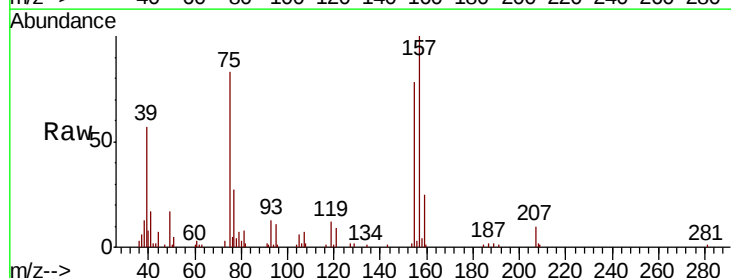
Manual Integrations
 APPROVED

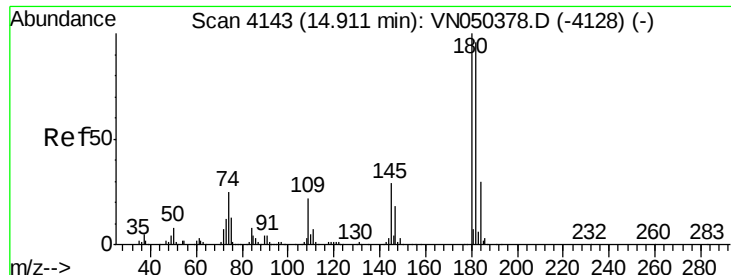
MMDadoda
 8/8/2018 10:47:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.52 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	44.8	134.4
157	113.0	57.2	171.6





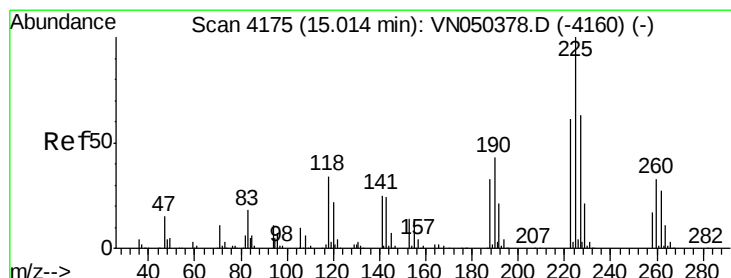
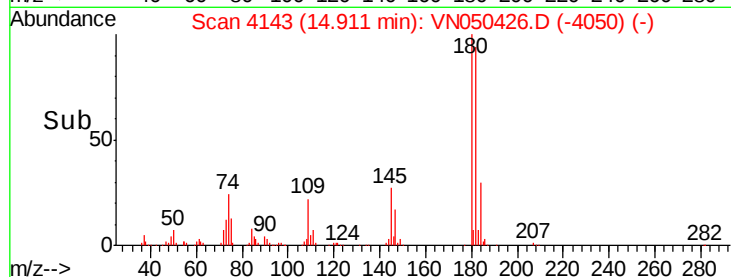
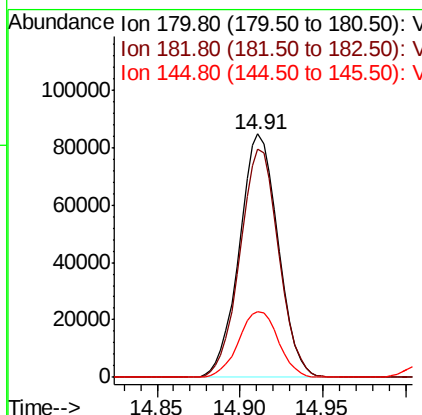
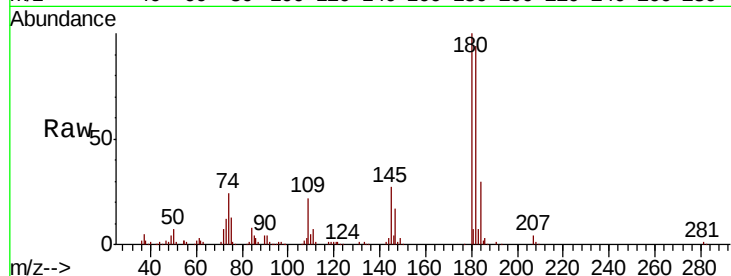
#93
 1,2,4-Trichlorobenzene
 Concen: 17.48 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0807MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.6	46.7	140.1	
145	28.0	13.8	41.4	

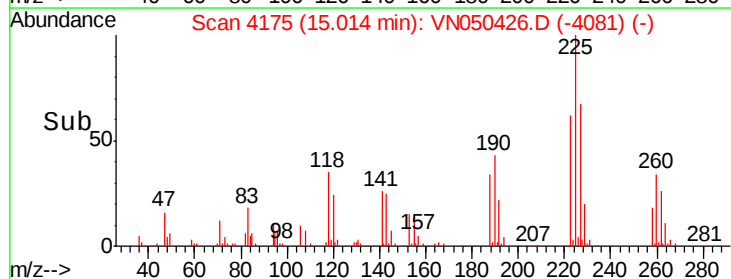
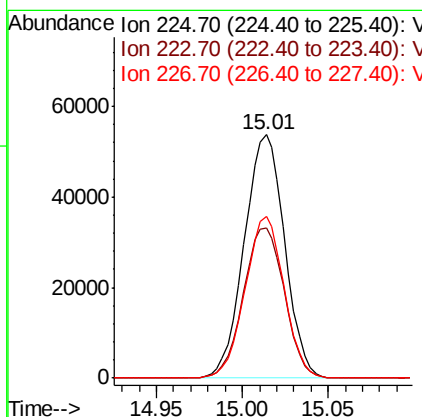
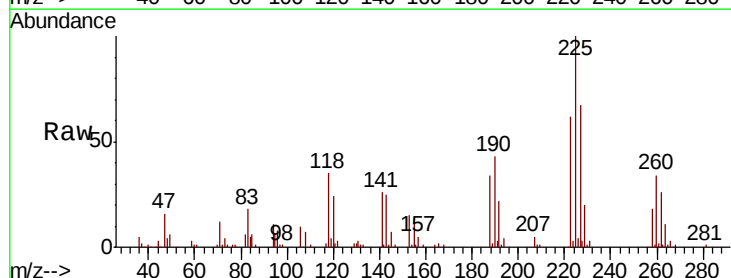
Manual Integrations
 APPROVED

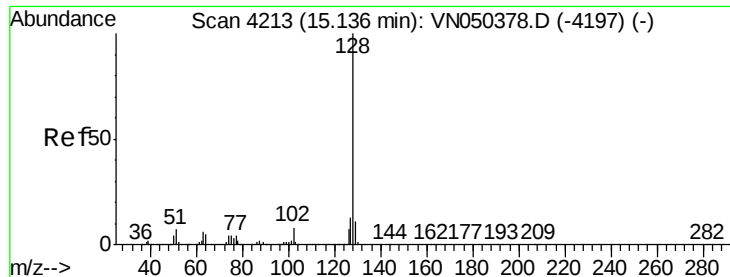
MMDadoda
 8/8/2018 10:47:10 AM



#94
 Hexachlorobutadiene
 Concen: 19.34 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050426.D
 Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.4	94.2	
227	64.1	32.1	96.5	





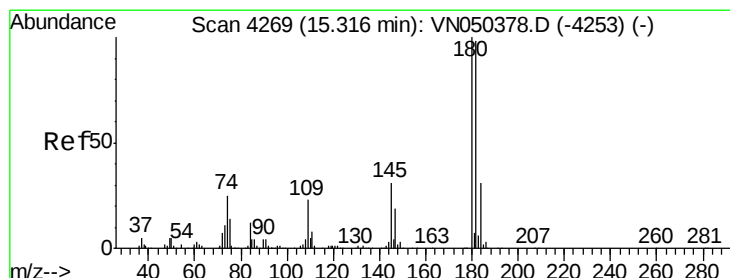
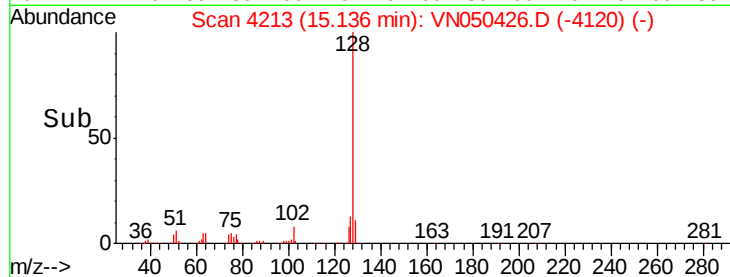
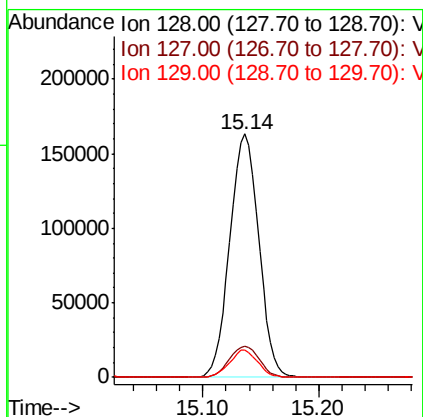
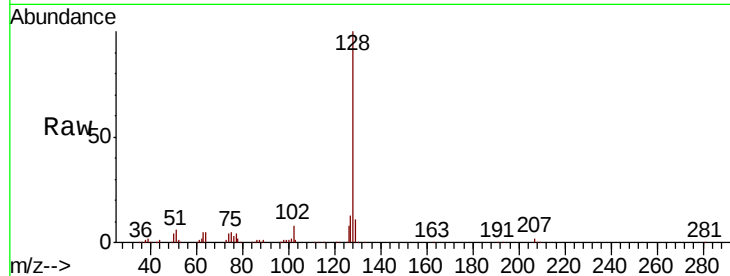
#95
Naphthalene
Concen: 16.22 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0807MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/8/2018 10:47:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.13 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050426.D
Acq: 7 Aug 2018 12:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.1	144.4
145	30.7	15.3	45.9

