

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050512.D
 Acq On : 10 Aug 2018 12:54
 Operator : MD\SY
 Sample : VN0810WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/13/2018 11:05:38 AM

Quant Time: Aug 10 23:50:10 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	695977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1017347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	909544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	451928	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	446939	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
35) Dibromofluoromethane	7.59	113	416815	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.09	98	1506494	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.40	95	487789	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	144750	18.74	ug/l	100
3) Chloromethane	2.06	50	179552	18.75	ug/l	99
4) Vinyl Chloride	2.18	62	193780	19.38	ug/l	97
5) Bromomethane	2.57	94	105091	21.77	ug/l	97
6) Chloroethane	2.70	64	118506	19.23	ug/l	100
7) Trichlorofluoromethane	3.01	101	258618	20.02	ug/l	98
8) Diethyl Ether	3.41	74	89970	19.00	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	159535	19.99	ug/l	98
10) Methyl Iodide	3.95	142	79660	22.65	ug/l	97
11) Tert butyl alcohol	4.80	59	53042	71.01	ug/l	99
12) 1,1-Dichloroethene	3.73	96	145743	19.37	ug/l	99
13) Acrolein	3.61	56	43066	56.68	ug/l	96
14) Allyl chloride	4.33	41	223251	18.48	ug/l	97
15) Acrylonitrile	5.00	53	262628	83.93	ug/l	99
16) Acetone	3.82	43	245662	88.35	ug/l	98
17) Carbon Disulfide	4.05	76	419062	17.13	ug/l	100
18) Methyl Acetate	4.33	43	135821	18.73	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	401824	18.82	ug/l	99
20) Methylene Chloride	4.55	84	170005	19.09	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	155643	19.12	ug/l	97
22) Diisopropyl ether	5.96	45	497130	20.14	ug/l	99
23) Vinyl Acetate	5.90	43	1618533	91.90	ug/l	100
24) 1,1-Dichloroethane	5.85	63	301608	19.91	ug/l	99
25) 2-Butanone	6.84	43	373829	81.13	ug/l	98
26) 2,2-Dichloropropane	6.83	77	239731	19.20	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	178647	19.80	ug/l	99
28) Bromochloromethane	7.20	49	143757	20.62	ug/l	97
29) Tetrahydrofuran	7.22	42	197657	80.14	ug/l	99
30) Chloroform	7.37	83	308807	20.39	ug/l	98
31) Cyclohexane	7.66	56	255448	18.77	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	258924	19.91	ug/l	99
36) 1,1-Dichloropropene	7.80	75	223181	19.97	ug/l	99
37) Ethyl Acetate	6.93	43	137992	17.14	ug/l	99
38) Carbon Tetrachloride	7.78	117	230383	19.76	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	226502	18.56	ug/l	99
40) Benzene	8.04	78	692050	20.14	ug/l	100
41) Methacrylonitrile	7.18	41	63808m	14.91	ug/l	
42) 1,2-Dichloroethane	8.13	62	216876	19.88	ug/l	100
43) Isopropyl Acetate	8.17	43	236620	17.03	ug/l	97
44) Trichloroethene	8.84	130	181539	19.66	ug/l	99
45) 1,2-Dichloropropane	9.12	63	179374	19.85	ug/l	97
46) Dibromomethane	9.21	93	107668	19.30	ug/l	98
47) Bromodichloromethane	9.40	83	229065	19.82	ug/l	100
48) Methyl methacrylate	9.20	41	121668	17.47	ug/l	98
49) 1,4-Dioxane	9.20	88	31506	293.47	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	849197	84.85	ug/l	99
52) Toluene	10.16	92	416086	20.16	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	216810	18.69	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	254650	19.66	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	154701	19.20	ug/l	98
56) Ethyl methacrylate	10.43	69	182167	17.14	ug/l	98
57) 1,3-Dichloropropane	10.71	76	256240	19.37	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	416774	83.48	ug/l	98
59) 2-Hexanone	10.75	43	549244	78.64	ug/l	99
60) Dibromochloromethane	10.90	129	169791	19.12	ug/l	98
61) 1,2-Dibromoethane	11.01	107	149657	18.84	ug/l	99
64) Tetrachloroethene	10.63	164	169390	19.93	ug/l	99
65) Chlorobenzene	11.44	112	450519	19.76	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	171425	20.66	ug/l	99
67) Ethyl Benzene	11.51	91	745268	20.22	ug/l	100
68) m/p-Xylenes	11.62	106	583486	41.58	ug/l	100
69) o-Xylene	11.95	106	276641	20.47	ug/l	99
70) Styrene	11.97	104	449850	20.47	ug/l	99
71) Bromoform	12.13	173	115261	19.00	ug/l #	99
73) Isopropylbenzene	12.25	105	731933	21.58	ug/l	99
74) N-amyl acetate	12.07	43	189455	17.23	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	188619	19.27	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	140477m	17.17	ug/l	
77) Bromobenzene	12.53	156	191044	21.02	ug/l	98
78) n-propylbenzene	12.59	91	822604	21.42	ug/l	100
79) 2-Chlorotoluene	12.68	91	500679	21.11	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	595237	21.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	43452	18.66	ug/l	99
82) 4-Chlorotoluene	12.77	91	505629	21.38	ug/l	99
83) tert-Butylbenzene	12.99	119	504091	20.98	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	611855	21.93	ug/l	100
85) sec-Butylbenzene	13.17	105	666468	20.81	ug/l	100
86) p-Isopropyltoluene	13.29	119	569596	20.76	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	331408	20.47	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	320274	19.81	ug/l	98
89) n-Butylbenzene	13.62	91	436849	18.70	ug/l	99
90) Hexachloroethane	13.88	117	99258	20.34	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	323990	19.97	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25601	15.41	ug/l	97

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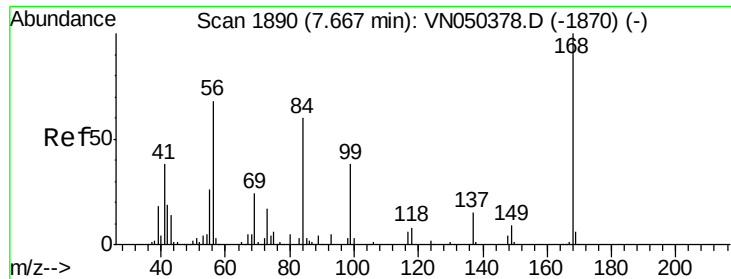
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	141141	17.08	ug/l	97
94) Hexachlorobutadiene	15.01	225	98120	20.77	ug/l	97
95) Naphthalene	15.13	128	285790	15.73	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	140310	16.79	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBSD01

Tot Ion:168 Resp: 695977

Ion Ratio Lower Upper

168 100

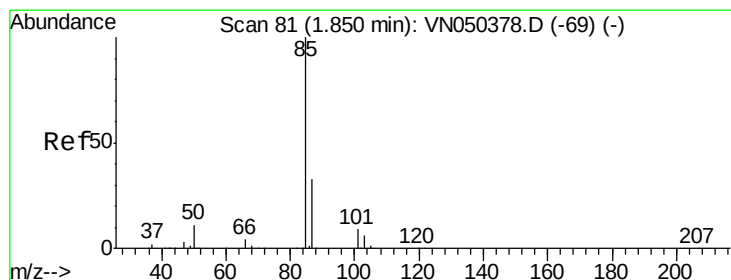
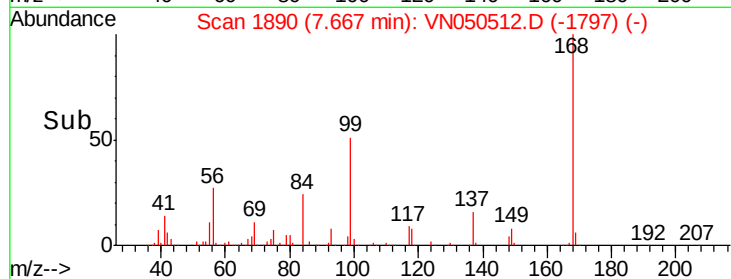
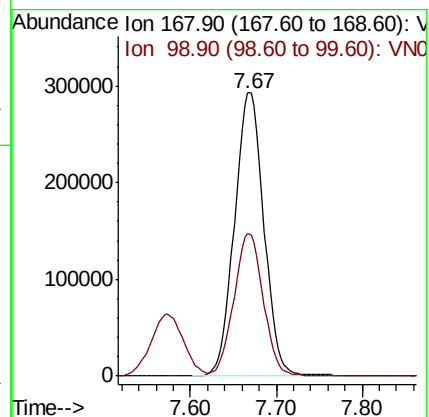
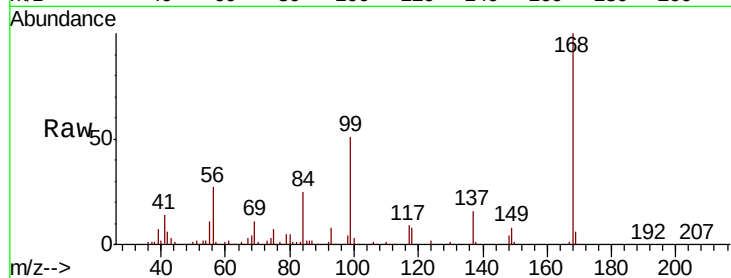
99 50.4 40.0 60.0

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#2

Dichlorodifluoromethane

Concen: 18.74 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050512.D

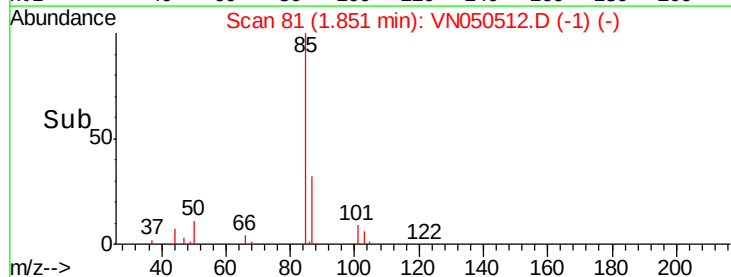
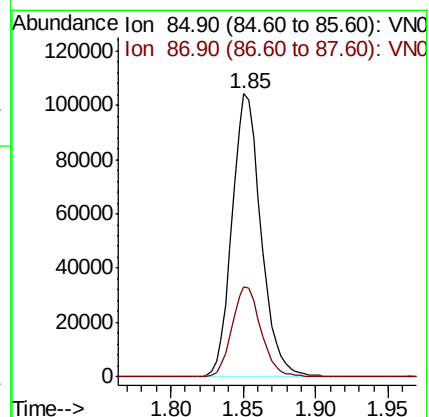
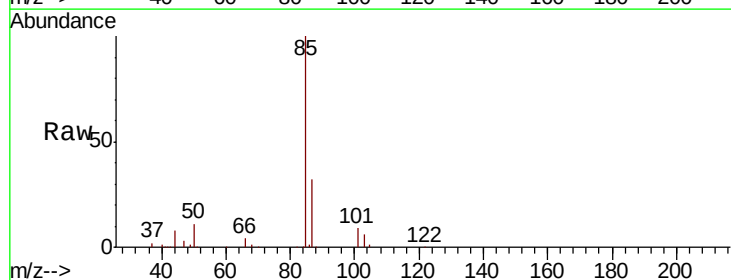
Acq: 10 Aug 2018 12:54

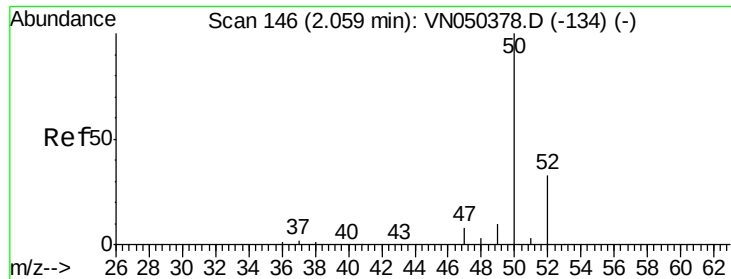
Tgt Ion: 85 Resp: 144750

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3





#3

Chloromethane

Concen: 18.75 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBSD01

Tot Ion: 50 Resp: 179552

Ion Ratio Lower Upper

50 100

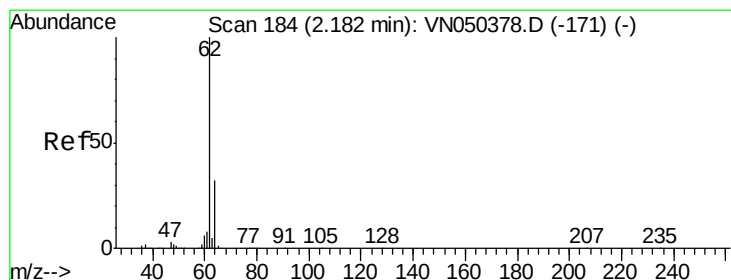
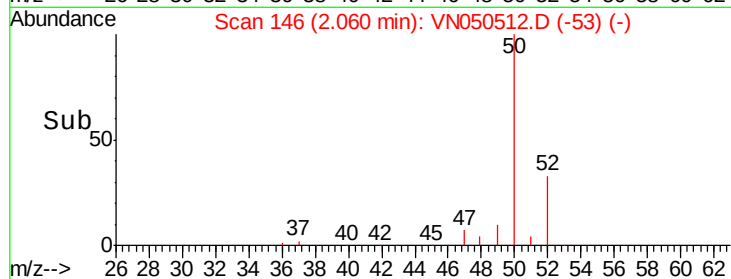
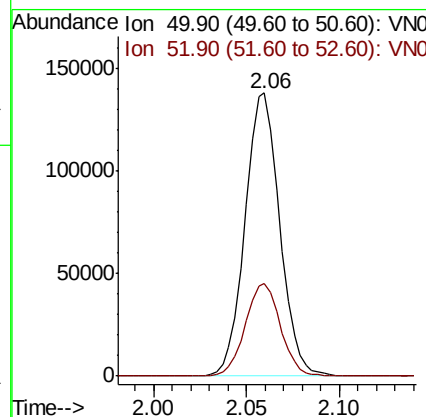
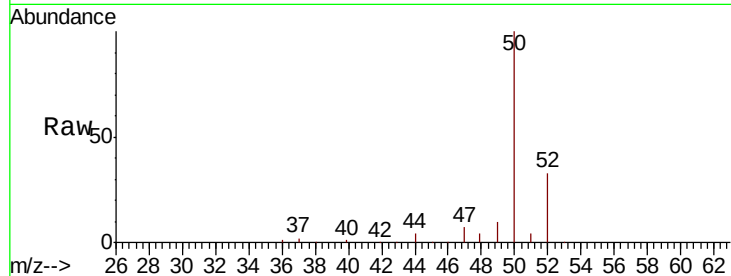
52 32.9 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.38 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050512.D

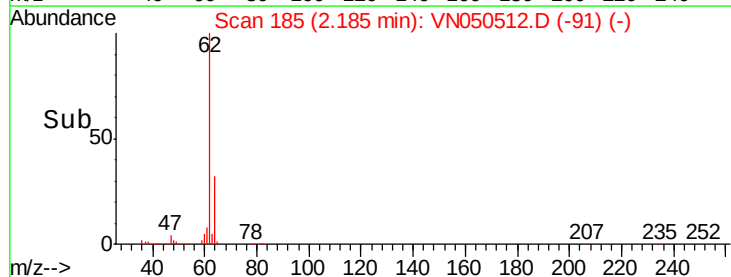
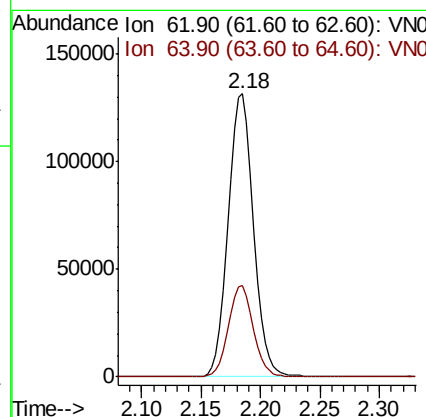
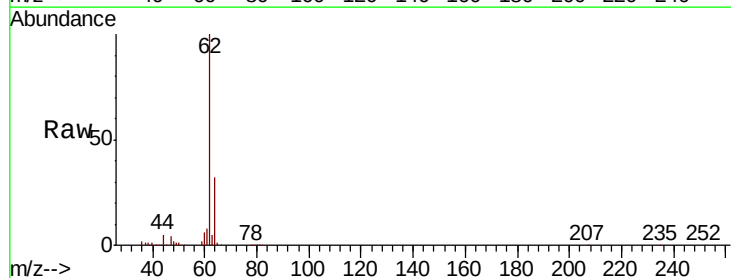
Acq: 10 Aug 2018 12:54

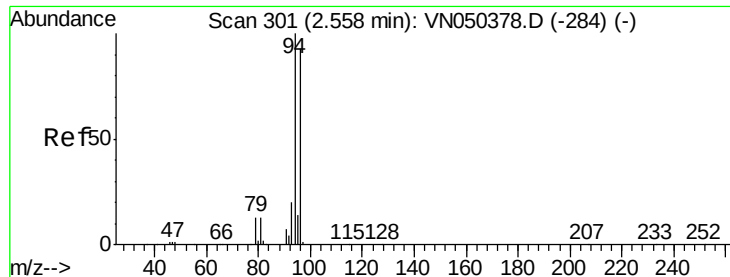
Tgt Ion: 62 Resp: 193780

Ion Ratio Lower Upper

62 100

64 32.4 24.7 37.1





#5

Bromomethane

Concen: 21.77 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBSD01

Tot Ion: 94 Resp: 105091

Ion Ratio Lower Upper

94 100

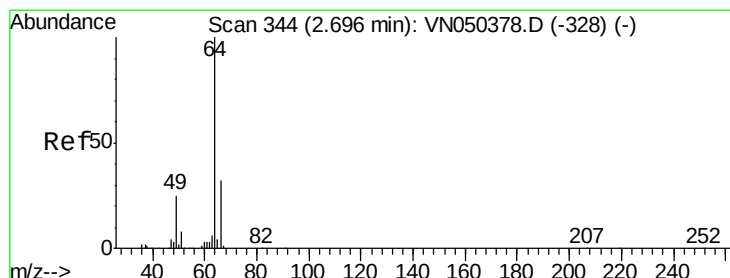
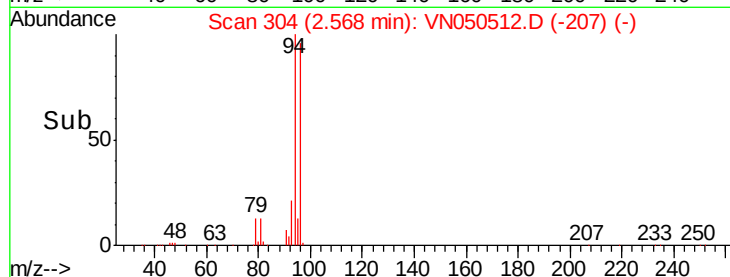
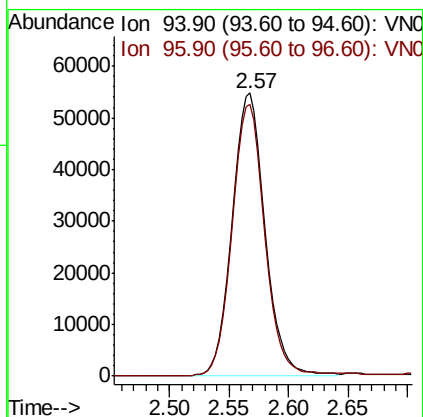
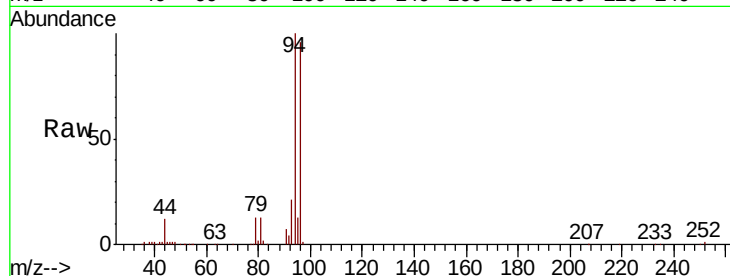
96 96.1 74.6 112.0

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#6

Chloroethane

Concen: 19.23 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VN050512.D

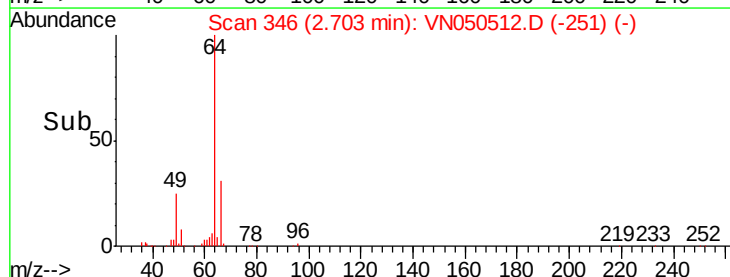
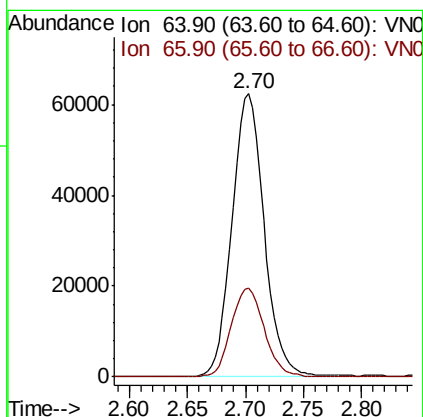
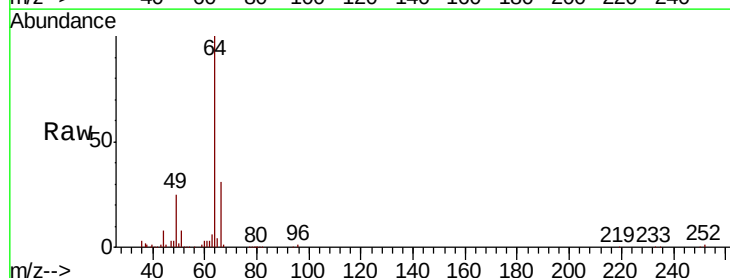
Acq: 10 Aug 2018 12:54

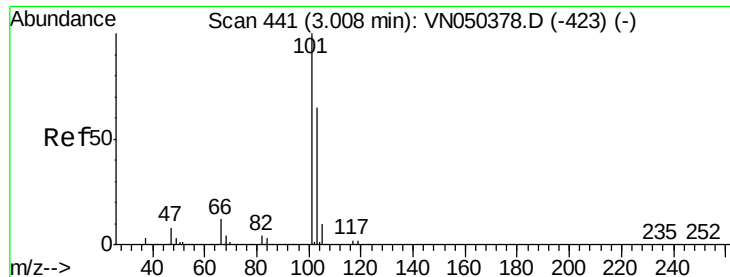
Tgt Ion: 64 Resp: 118506

Ion Ratio Lower Upper

64 100

66 31.5 25.3 37.9





#7

Trichlorofluoromethane

Concen: 20.02 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.01 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

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ClientSampleId :

VN0810WBSD01

Tot Ion:101 Resp: 258618

Ion Ratio Lower Upper

101 100

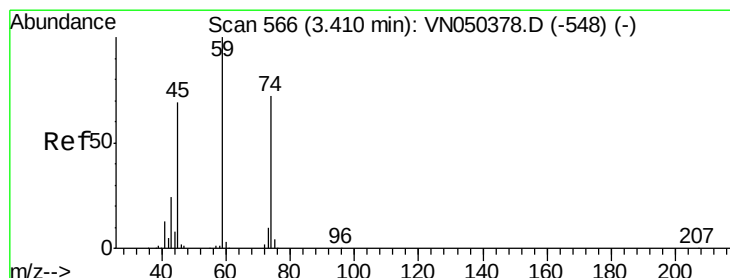
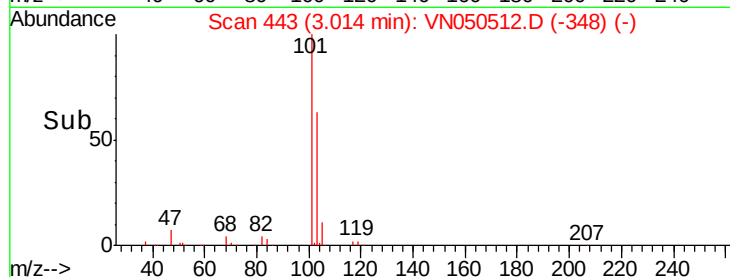
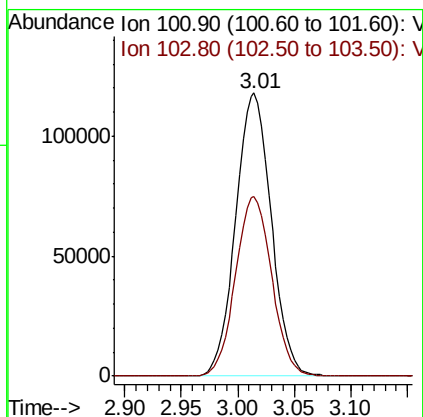
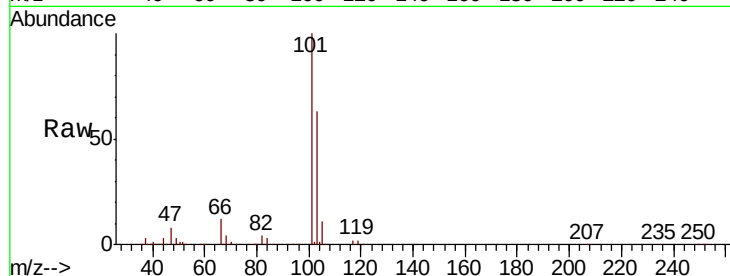
103 63.3 51.7 77.5

Manual Integrations

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#8

Diethyl Ether

Concen: 19.00 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050512.D

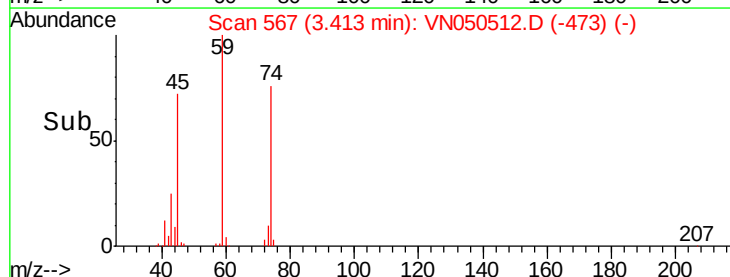
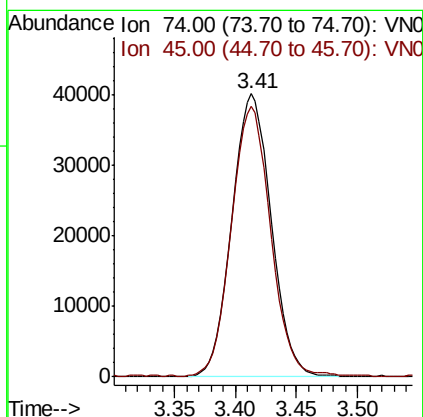
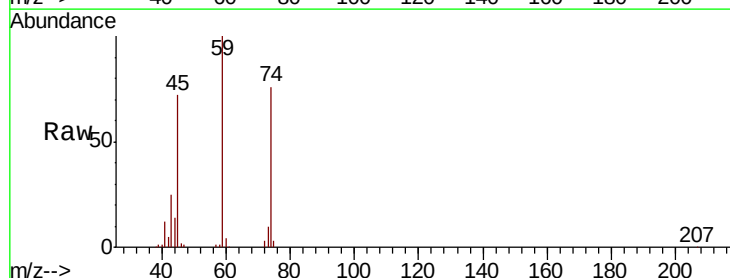
Acq: 10 Aug 2018 12:54

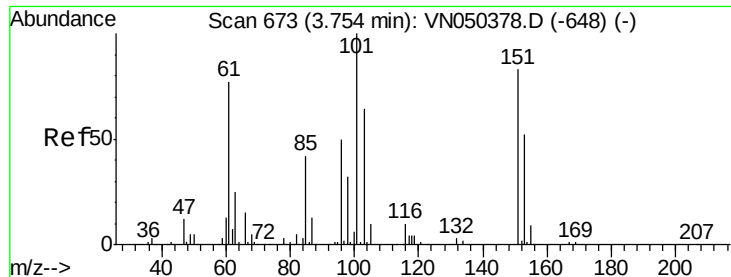
Tgt Ion: 74 Resp: 89970

Ion Ratio Lower Upper

74 100

45 95.8 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.99 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

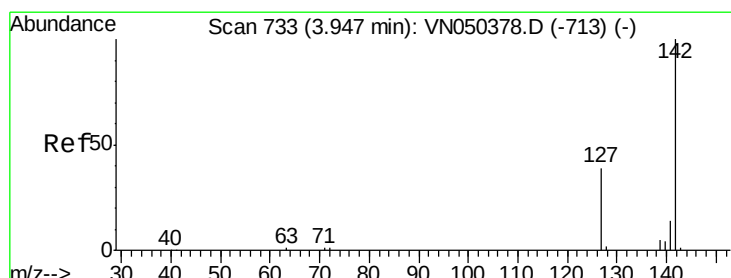
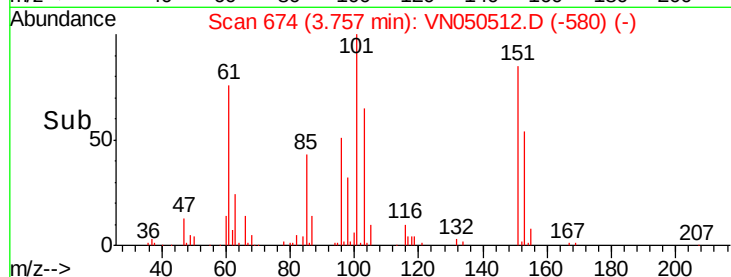
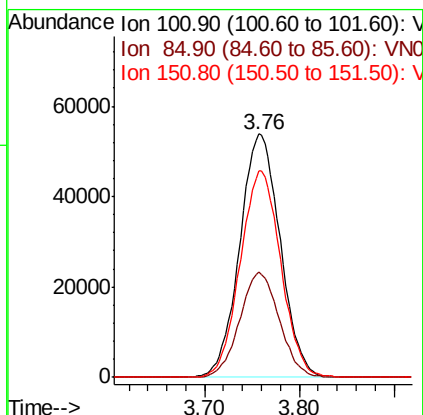
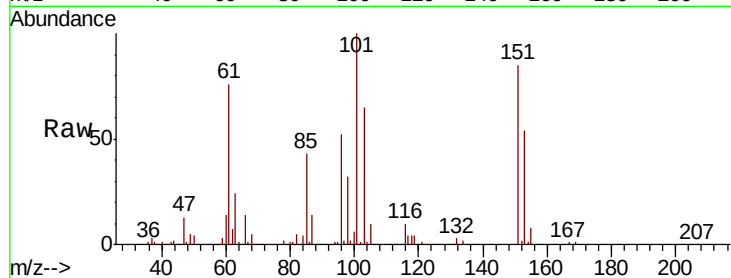
ClientSampled :

VN0810WBSD01

Tot Ion:	101	Resp:	159535
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.2
151	85.3	66.3	99.5

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#10

Methyl Iodide

Concen: 22.65 ug/l

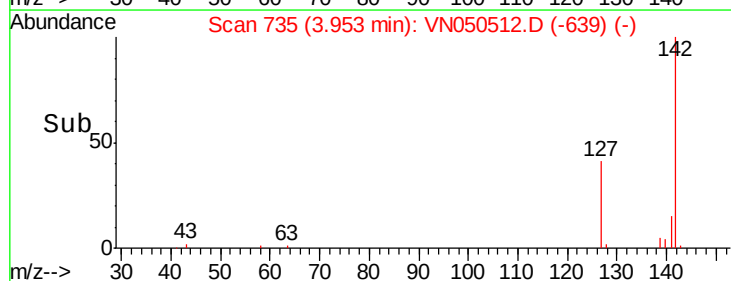
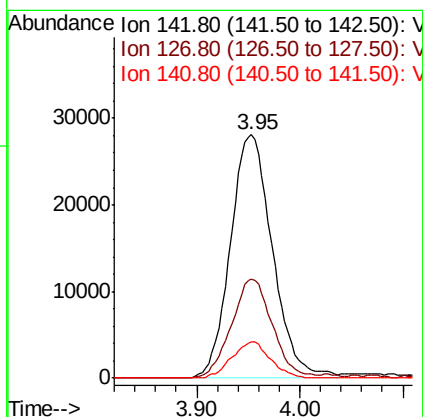
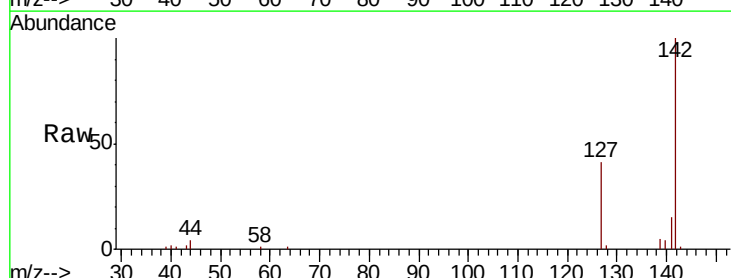
RT: 3.95 min Scan# 735

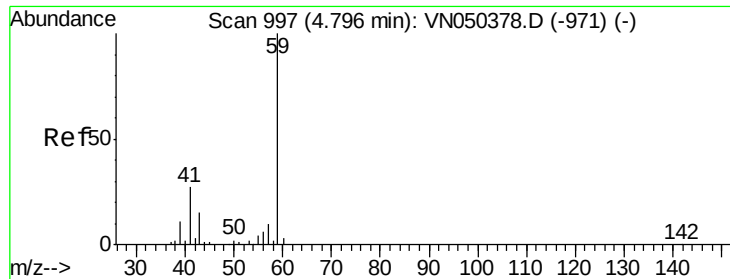
Delta R.T. 0.01 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Tgt Ion:	142	Resp:	79660
Ion Ratio	Lower	Upper	
142	100		
127	39.7	33.4	50.2
141	13.6	11.6	17.4





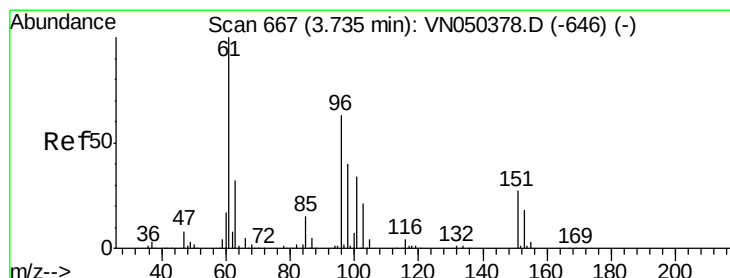
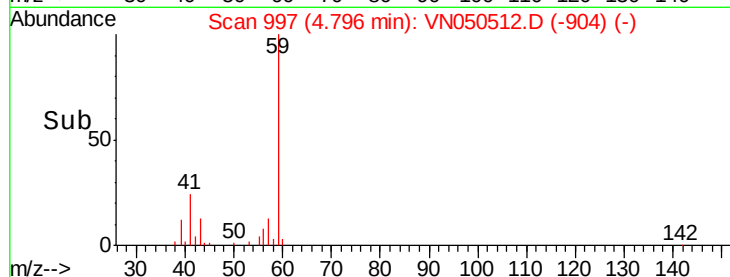
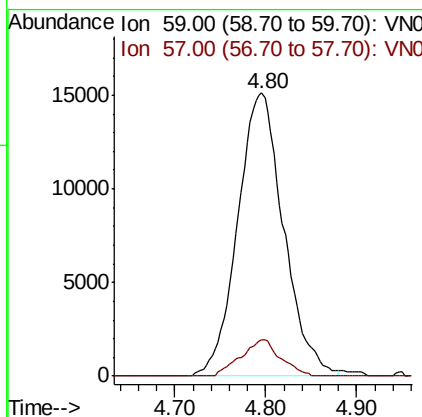
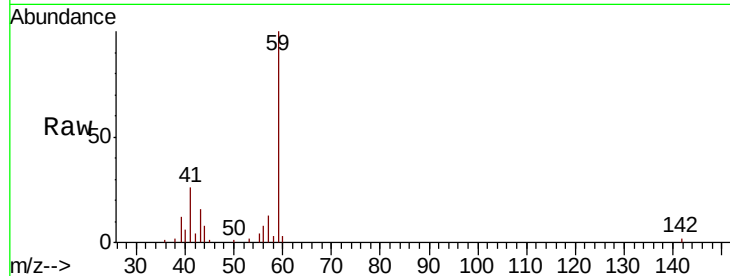
#11
Tert butyl alcohol
Concen: 71.01 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.5	12.7

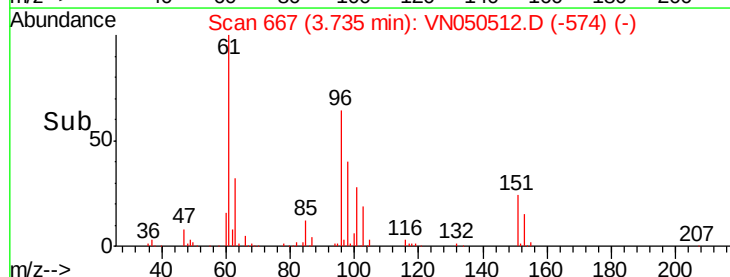
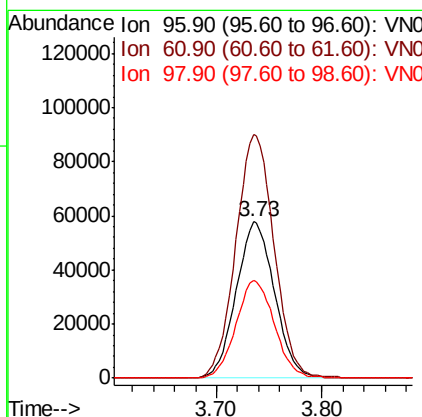
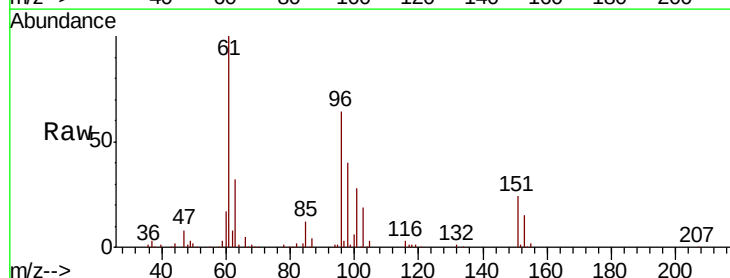
Manual Integrations
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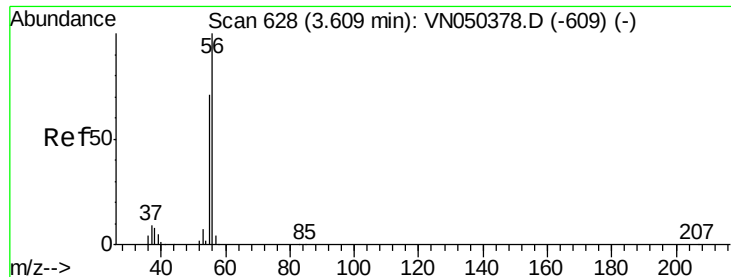
MMDadoda
8/13/2018 11:05:38 AM



#12
1,1-Dichloroethene
Concen: 19.37 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.0	124.4	186.6
98	62.7	48.3	72.5





#13

Acrolein

Concen: 56.68 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBSD01

Tot Ion: 56 Resp: 43066

Ion Ratio Lower Upper

56 100

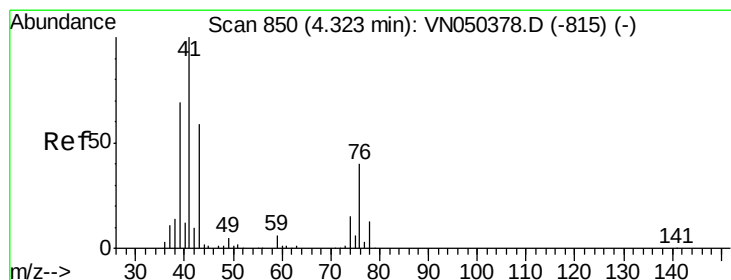
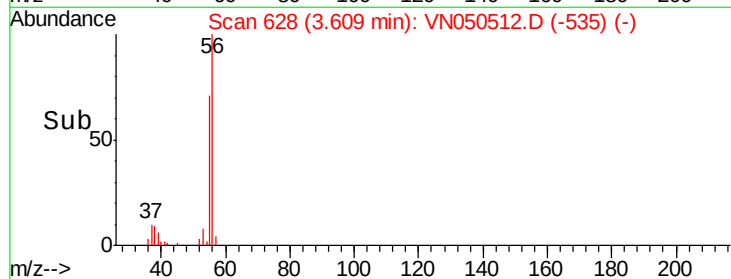
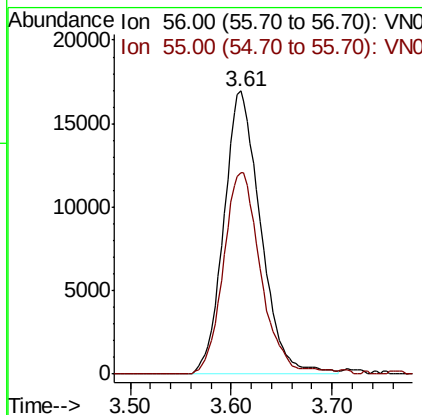
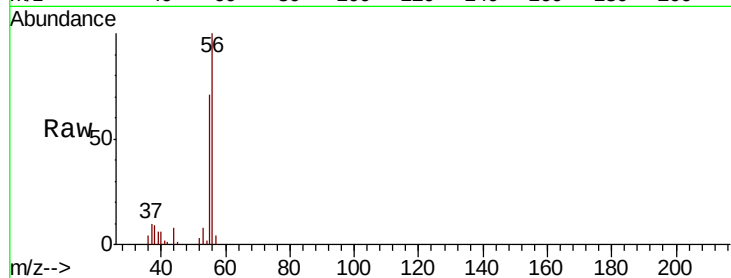
55 72.8 55.8 83.6

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#14

Allyl chloride

Concen: 18.48 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

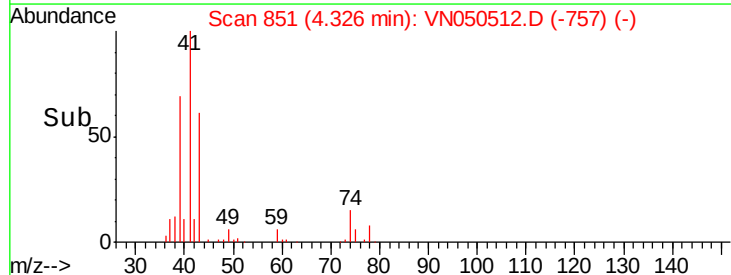
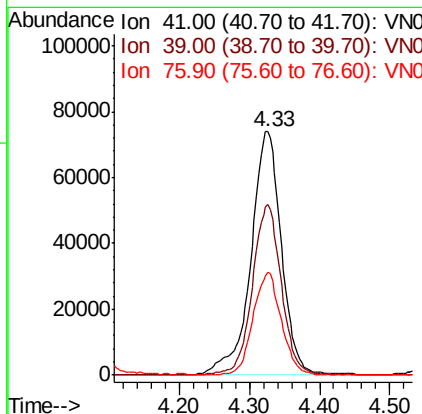
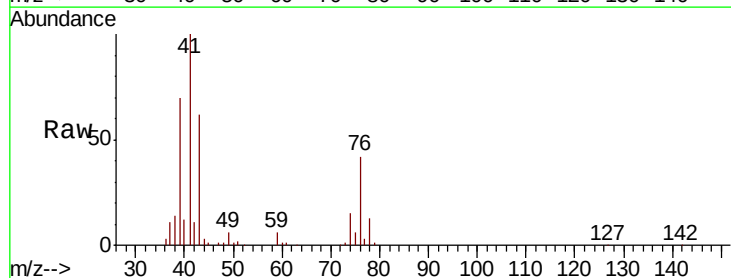
Tgt Ion: 41 Resp: 223251

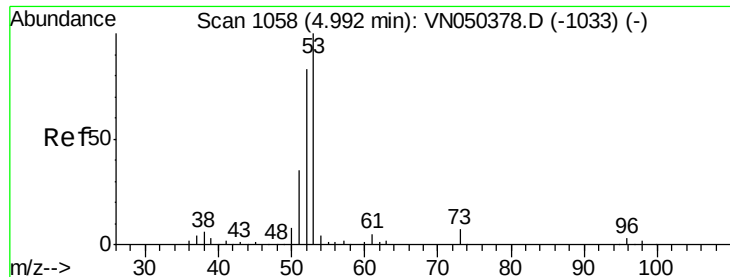
Ion Ratio Lower Upper

41 100

39 66.4 54.2 81.4

76 38.8 29.0 43.6





#15

Acrylonitrile

Concen: 83.93 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

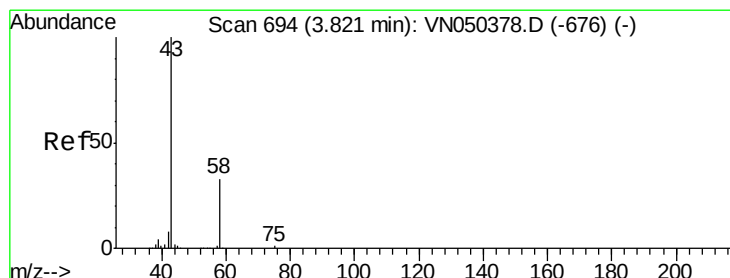
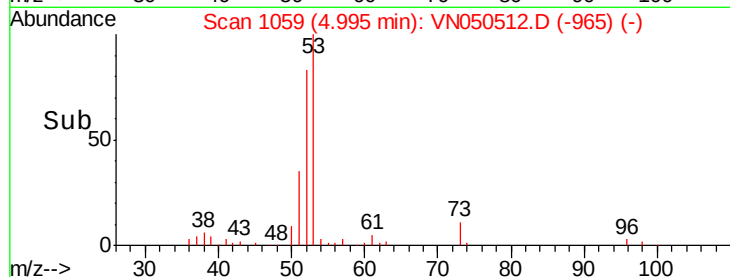
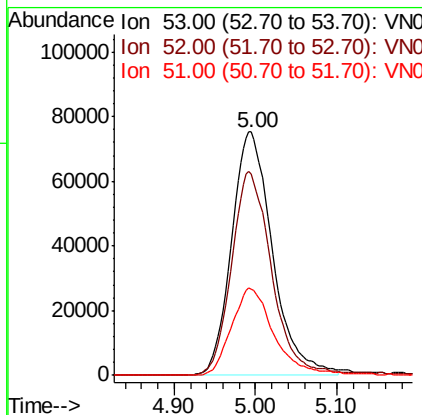
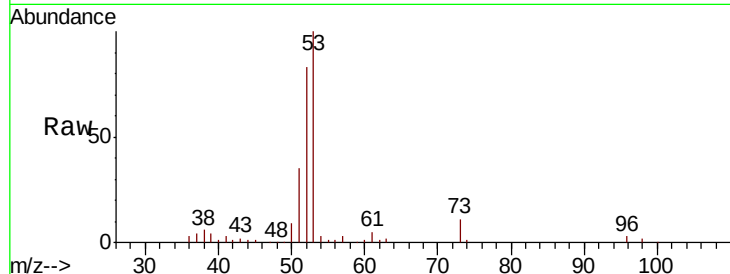
ClientSampleId :

VN0810WBSD01

Tot Ion:	53	Resp:	262628
Ion Ratio	Lower	Upper	
53	100		
52	81.8	66.2	99.2
51	37.4	29.3	43.9

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#16

Acetone

Concen: 88.35 ug/l

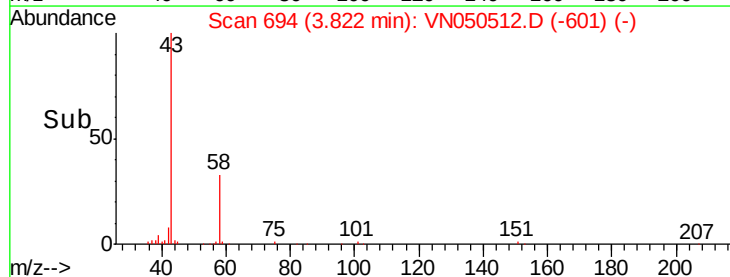
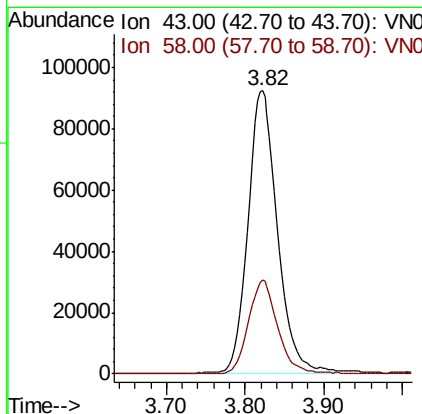
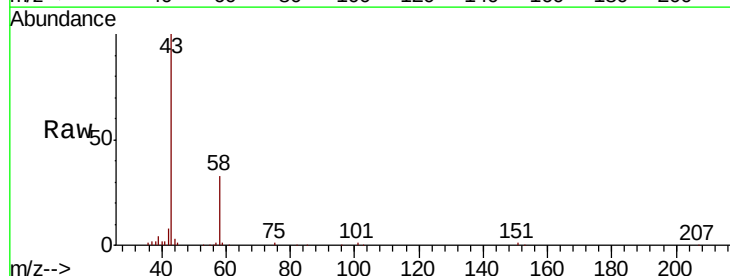
RT: 3.82 min Scan# 694

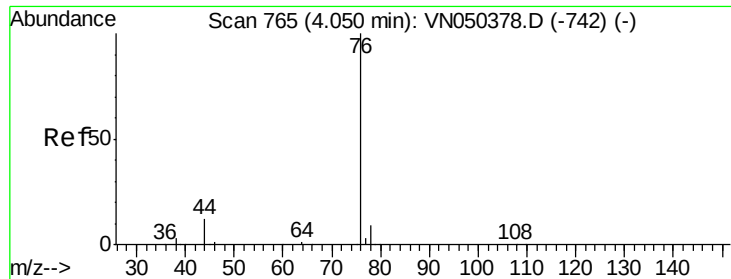
Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Tgt Ion:	43	Resp:	245662
Ion Ratio	Lower	Upper	
43	100		
58	33.3	25.8	38.8





#17

Carbon Disulfide

Concen: 17.13 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

ClientSampled :

VN0810WBSD01

Tot Ion: 76 Resp: 419062

Ion Ratio Lower Upper

76 100

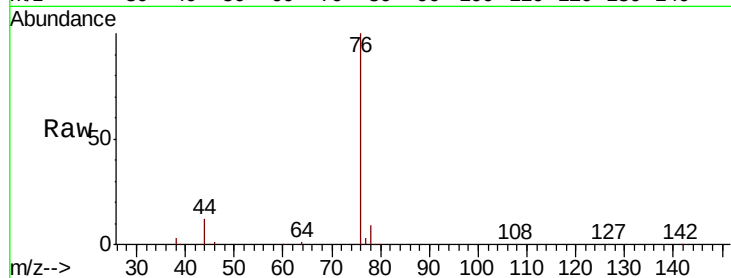
78 9.2 7.3 10.9

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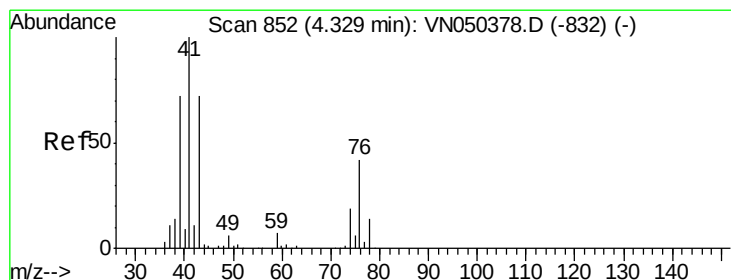
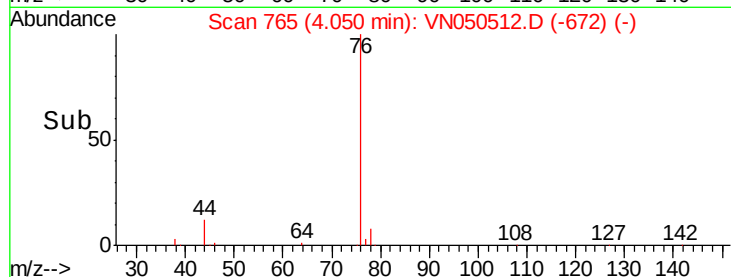
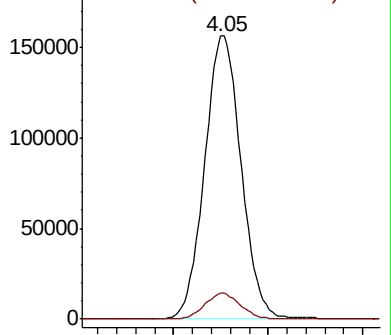
MMDadoda

8/13/2018 11:05:38 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.73 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050512.D

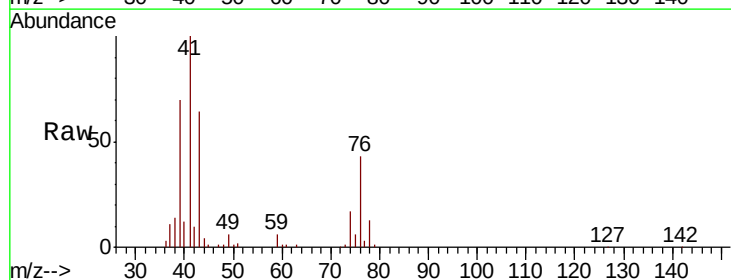
Acq: 10 Aug 2018 12:54

Tgt Ion: 43 Resp: 135821

Ion Ratio Lower Upper

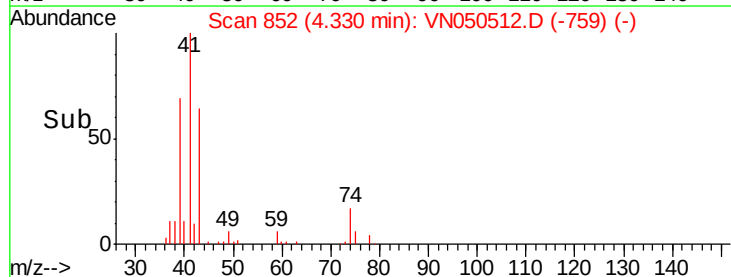
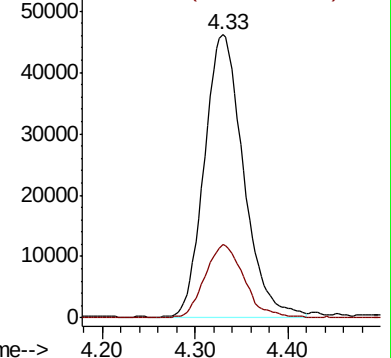
43 100

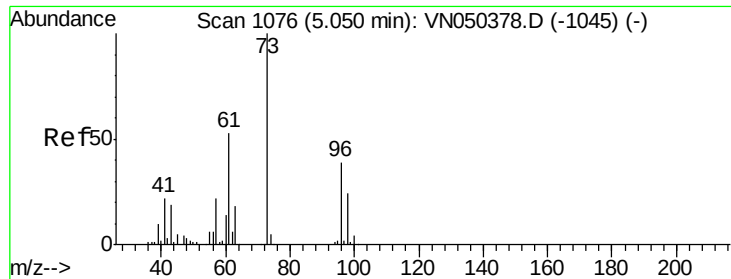
74 25.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





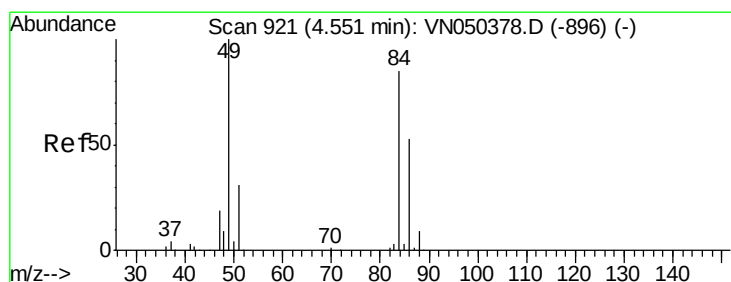
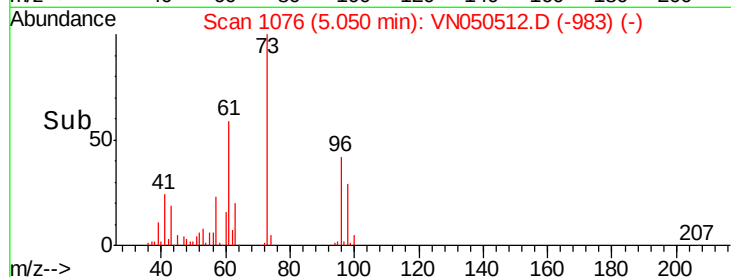
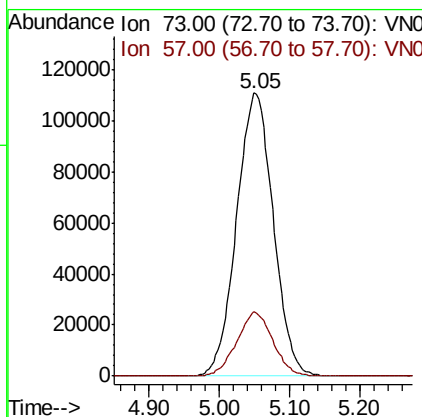
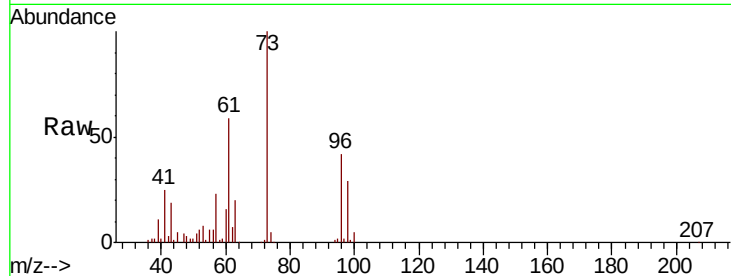
#19
Methvl tert-butvl Ether
Concen: 18.82 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBSD01

Tot Ion: 73 Resp: 401824
Ion Ratio Lower Upper
73 100
57 22.8 18.0 27.0

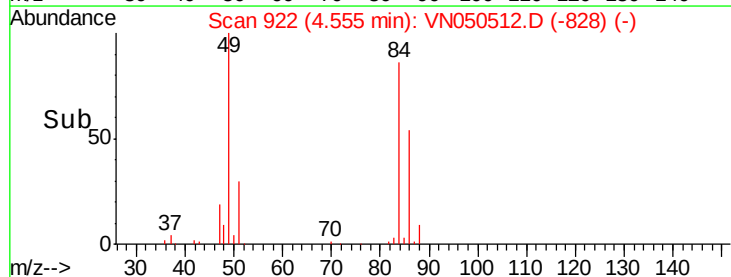
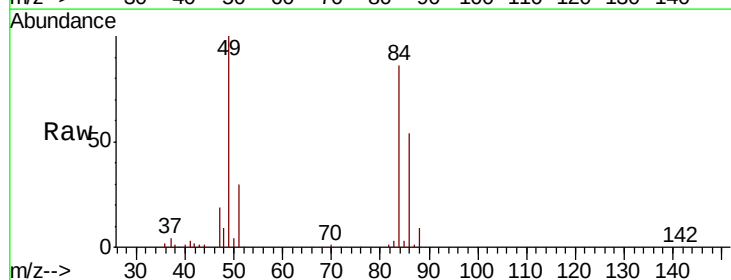
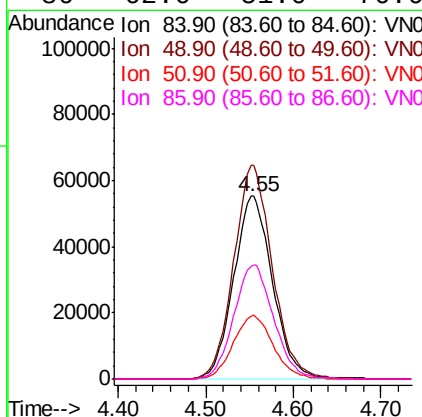
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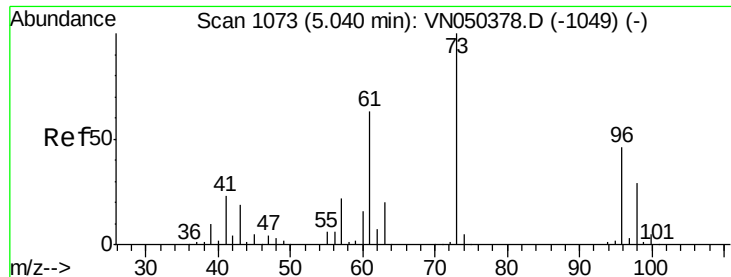
MMDadoda
8/13/2018 11:05:38 AM



#20
Methylene Chloride
Concen: 19.09 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Tgt Ion: 84 Resp: 170005
Ion Ratio Lower Upper
84 100
49 116.9 94.8 142.2
51 34.9 28.3 42.5
86 62.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.12 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

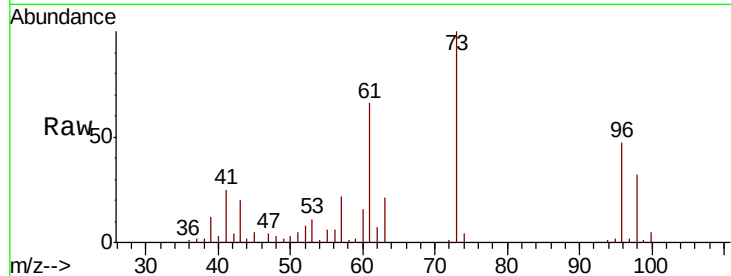
ClientSampleId :

VN0810WBSD01

Tot Ion:	96	Resp:	155643
Ion	Ratio	Lower	Upper
96	100		
61	140.7	110.7	166.1
98	67.7	51.6	77.4

Manual Integrations
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MMDadoda
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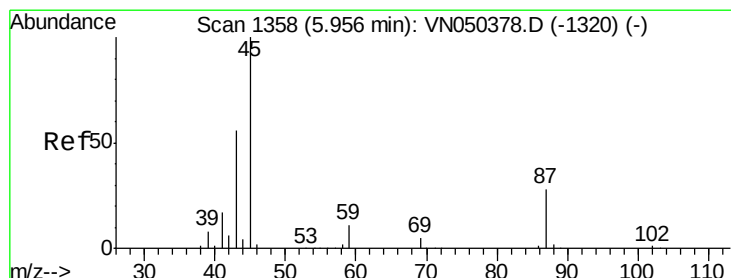
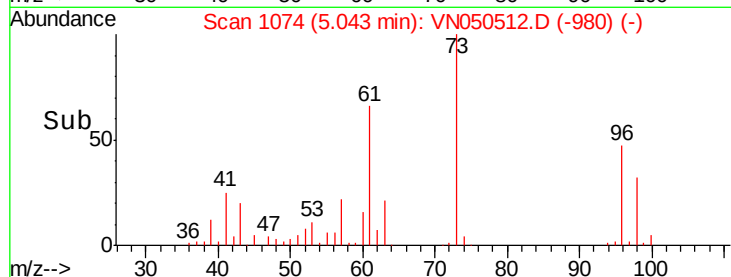
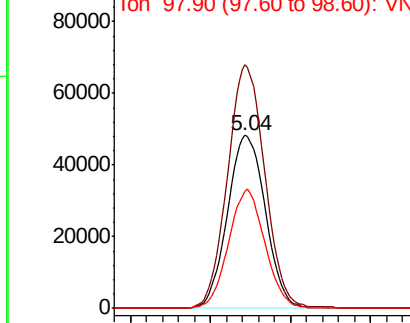


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 20.14 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Tgt Ion:	45	Resp:	497130
Ion	Ratio	Lower	Upper
45	100		
43	58.3	45.7	68.5
87	29.2	22.7	34.1
59	12.0	9.5	14.3

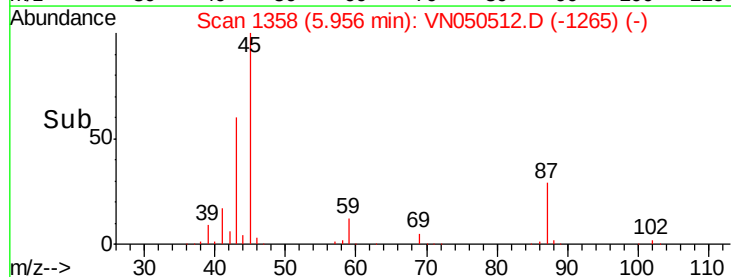
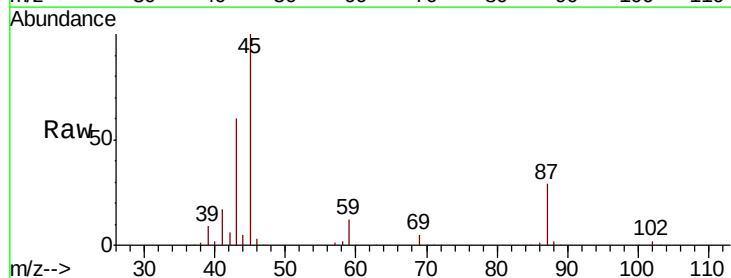
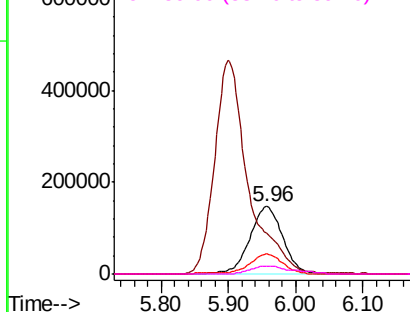
Abundance

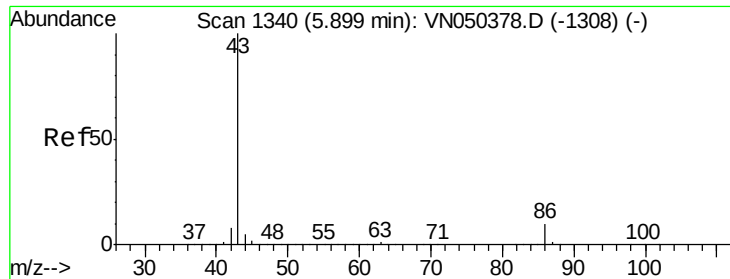
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 91.90 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBSD01

Tot Ion: 43 Resp: 1618533

Ion Ratio Lower Upper

43 100

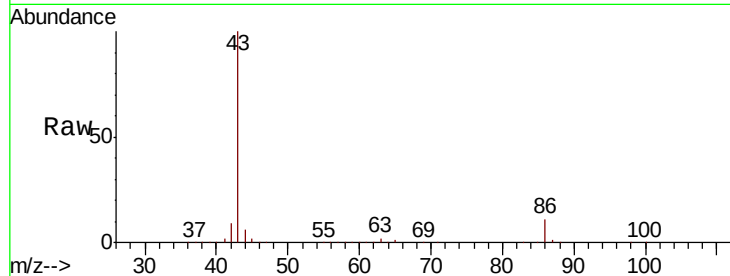
86 10.8 8.6 13.0

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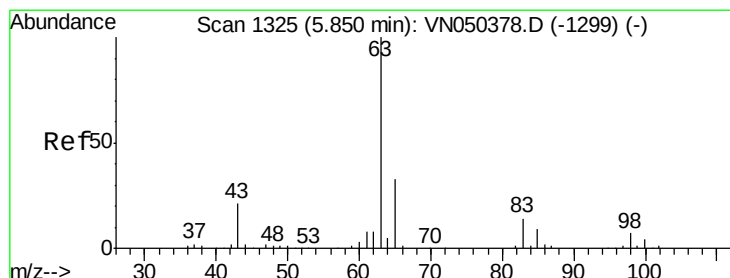
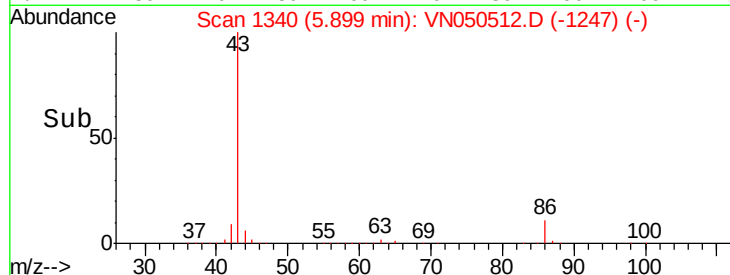
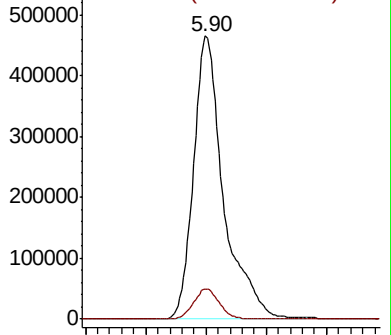
MMDadoda

8/13/2018 11:05:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.91 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

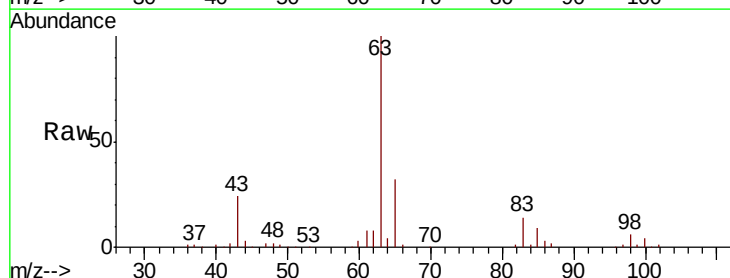
Tgt Ion: 63 Resp: 301608

Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.8

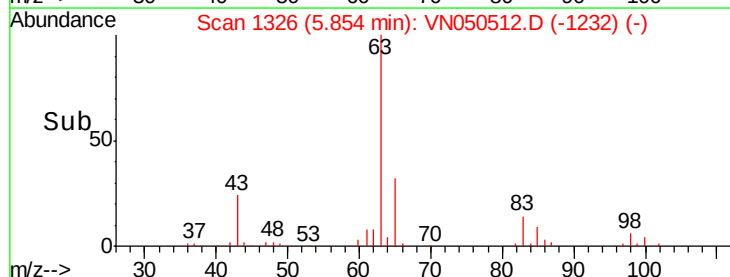
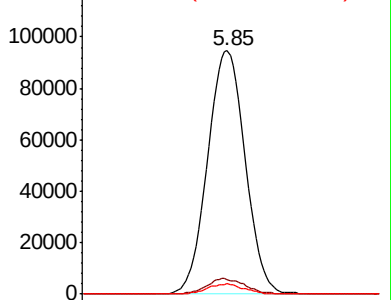
100 4.3 2.1 6.3

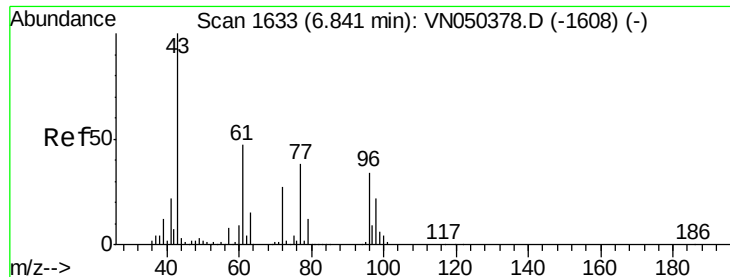


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





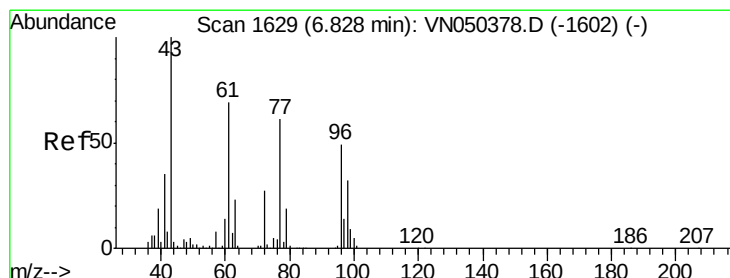
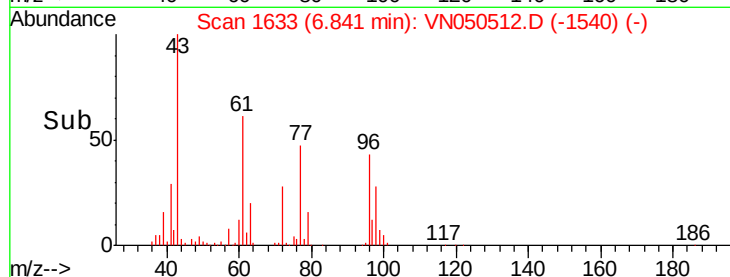
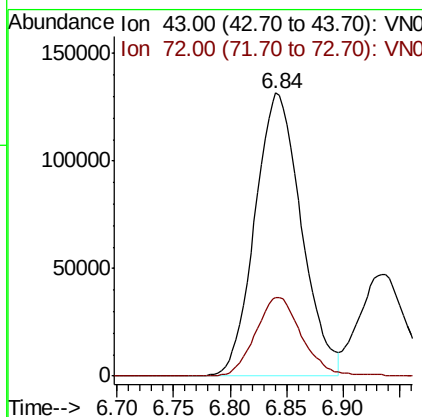
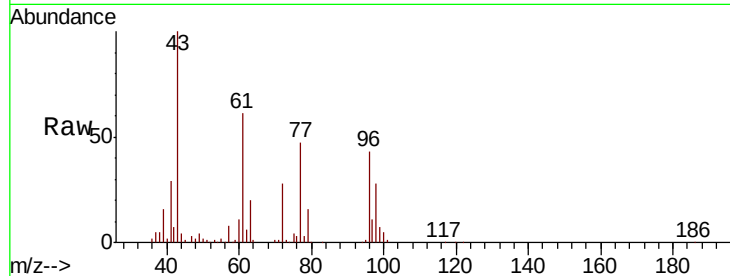
#25
2-Butanone
Concen: 81.13 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBSD01

Tot Ion: 43 Resp: 373829
Ion Ratio Lower Upper
43 100
72 27.7 21.5 32.3

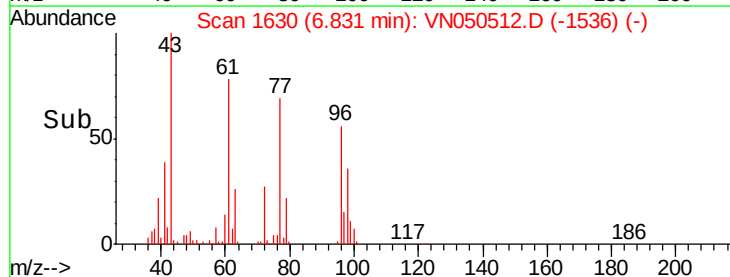
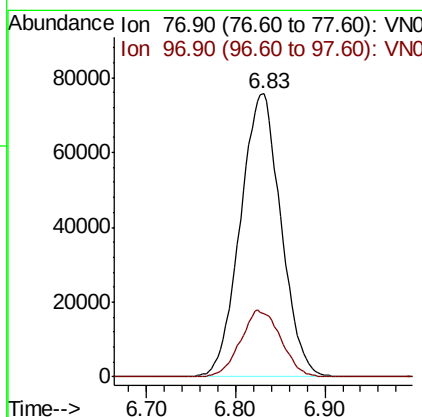
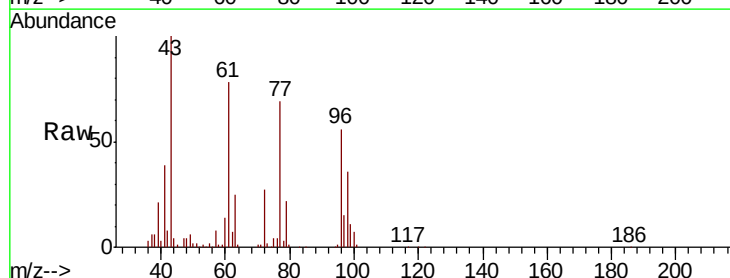
Manual Integrations
APPROVED

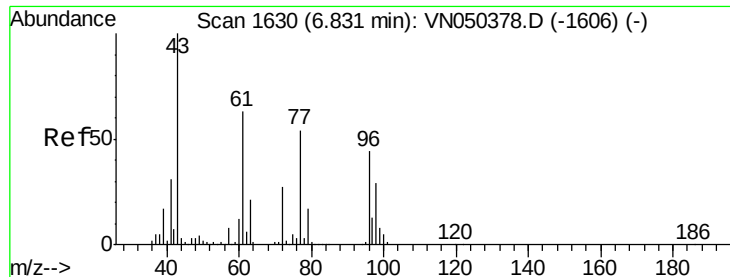
MMDadoda
8/13/2018 11:05:38 AM



#26
2,2-Dichloropropane
Concen: 19.20 ug/l
RT: 6.83 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Tgt Ion: 77 Resp: 239731
Ion Ratio Lower Upper
77 100
97 23.4 11.8 35.3





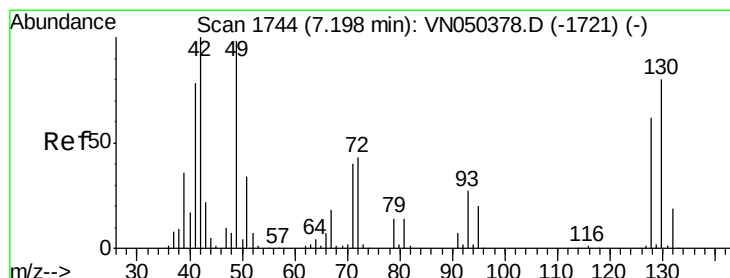
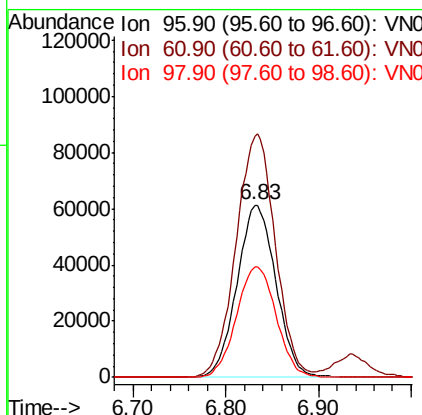
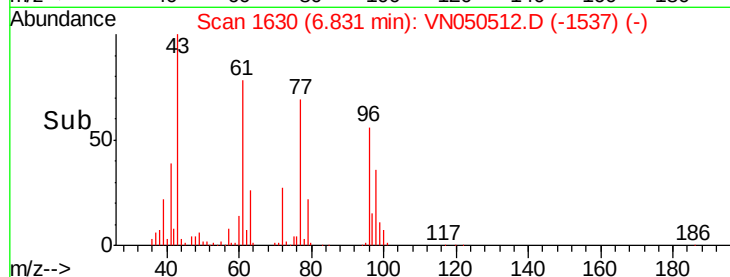
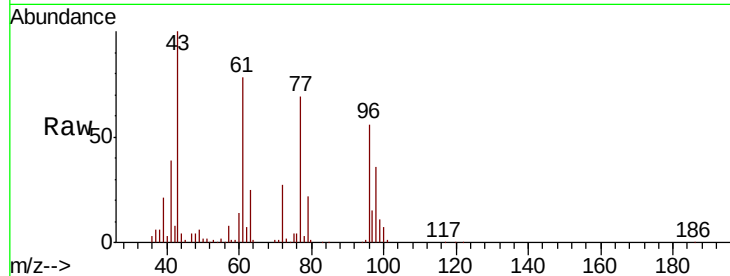
#27
 cis-1,2-Dichloroethene
 Concen: 19.80 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050512.D
 Acq: 10 Aug 2018 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	178647		
61	142.1	0.0	285.0	
98	65.6	0.0	129.2	

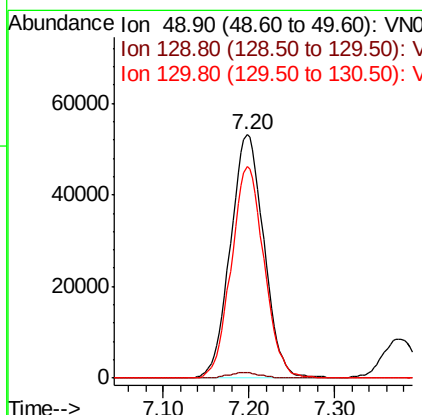
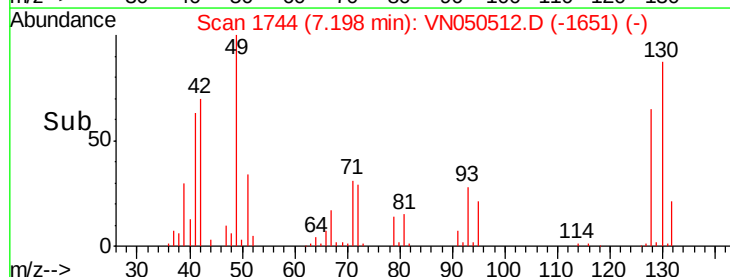
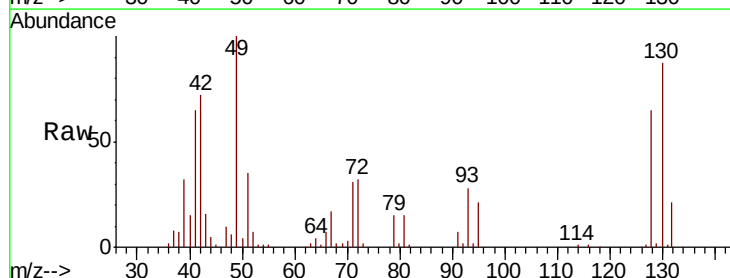
Manual Integrations
 APPROVED

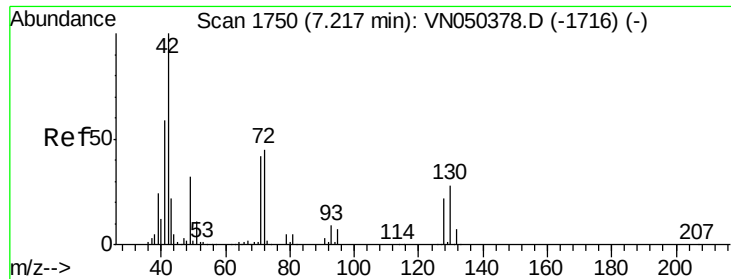
MMDadoda
 8/13/2018 11:05:38 AM



#28
 Bromochloromethane
 Concen: 20.62 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050512.D
 Acq: 10 Aug 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	143757		
129	2.1	0.0	4.0	
130	85.2	66.3	99.5	





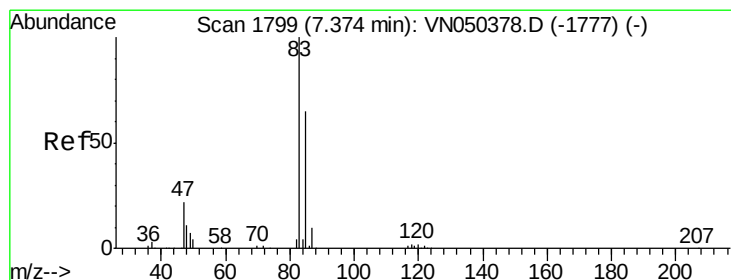
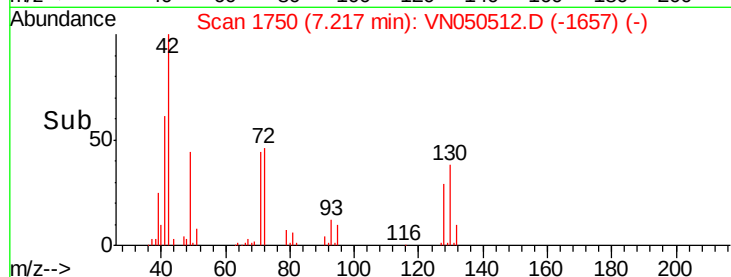
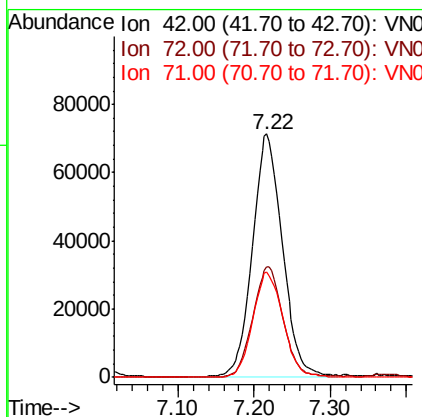
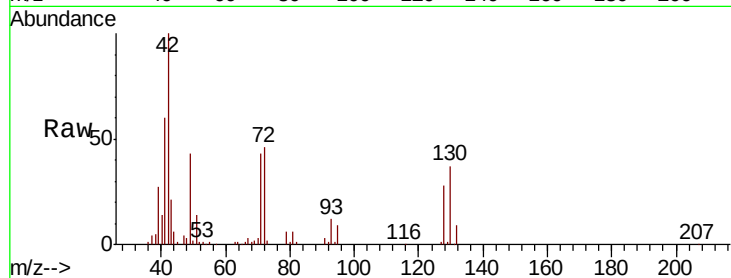
#29
Tetrahydrofuran
Concen: 80.14 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	35.9	53.9
71	43.2	33.7	50.5

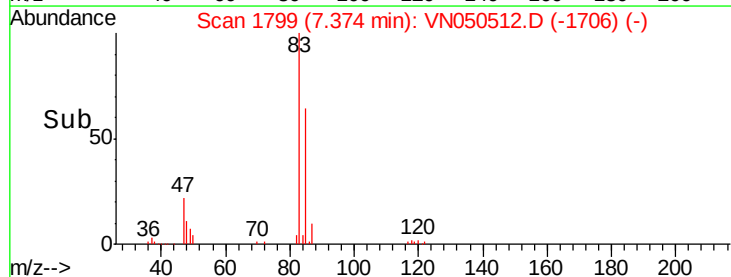
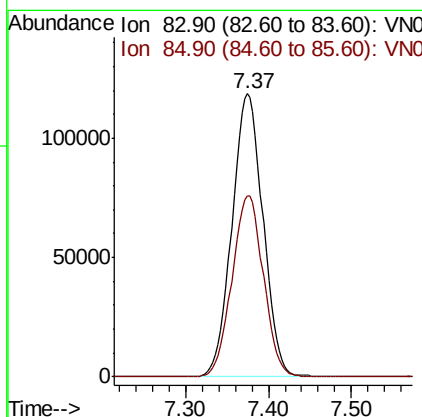
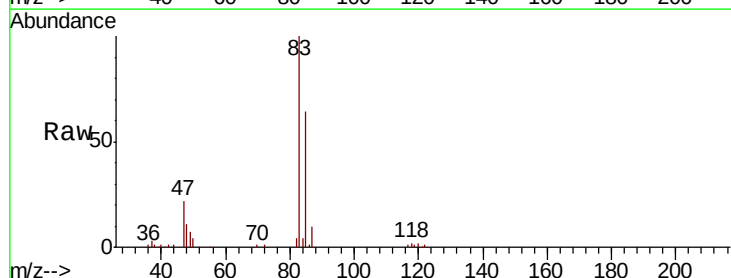
Manual Integrations
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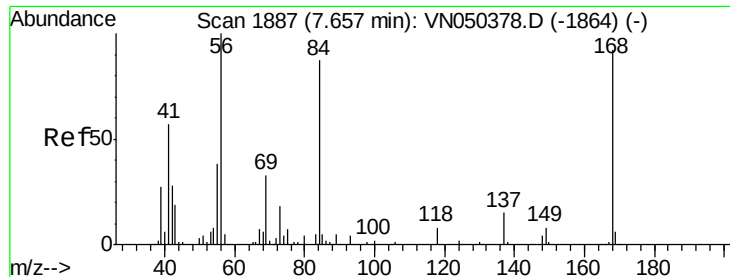
MMDadoda
8/13/2018 11:05:38 AM



#30
Chloroform
Concen: 20.39 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.5	78.7





#31

Cyclohexane

Concen: 18.77 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

ClientSampled :

VN0810WBSD01

Tot Ion: 56 Resp: 255448

Ion Ratio Lower Upper

56 100

69 38.1 26.2 39.4

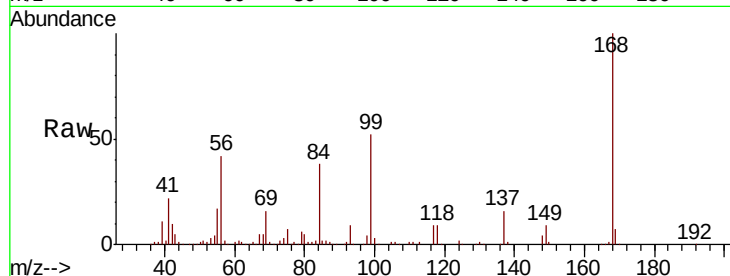
84 89.9 67.4 101.0

Manual Integrations

APPROVED

MMDadoda

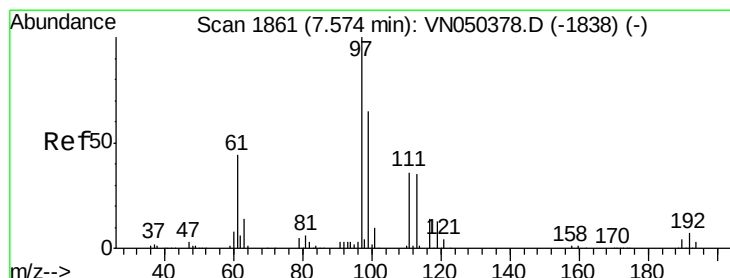
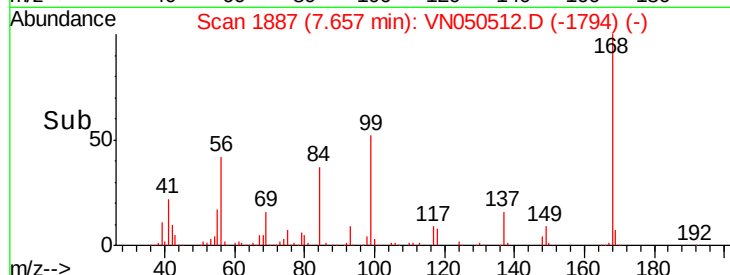
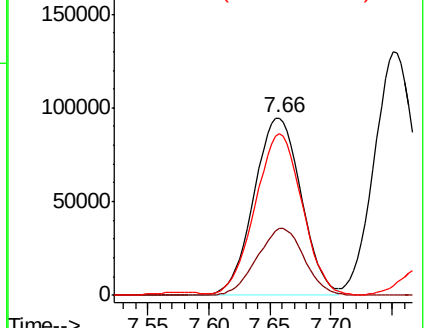
8/13/2018 11:05:38 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.91 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

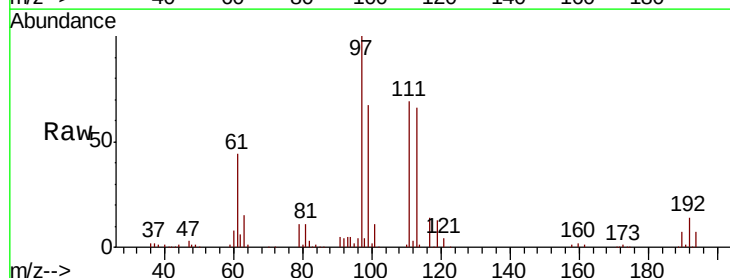
Tgt Ion: 97 Resp: 258924

Ion Ratio Lower Upper

97 100

99 66.1 51.4 77.0

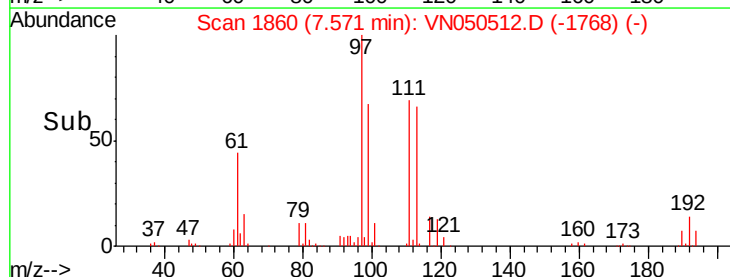
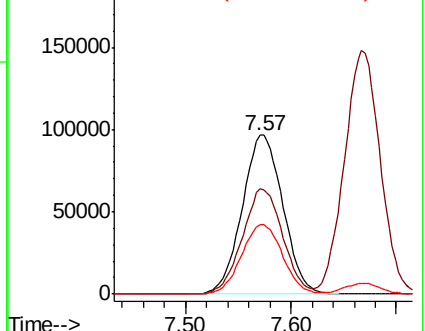
61 44.2 35.4 53.0

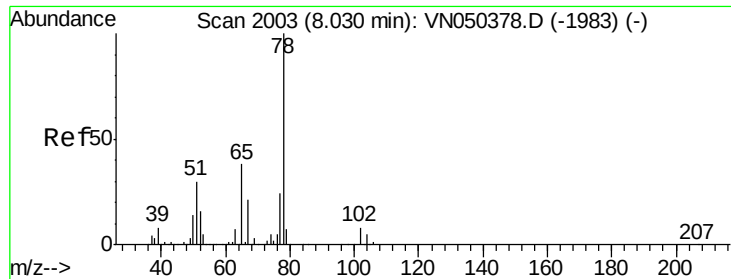


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





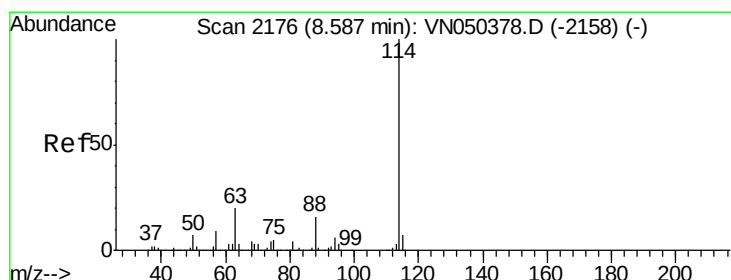
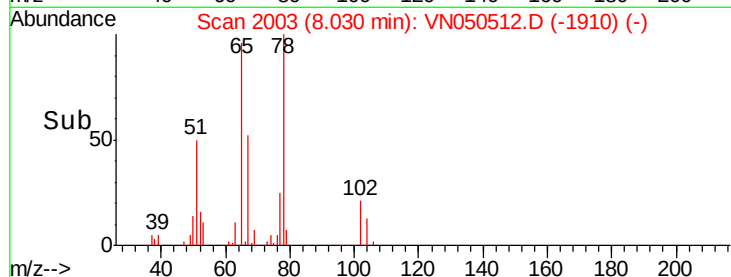
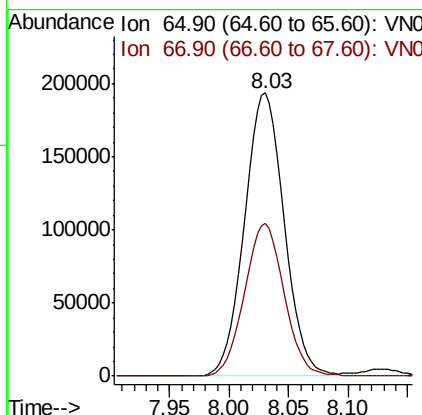
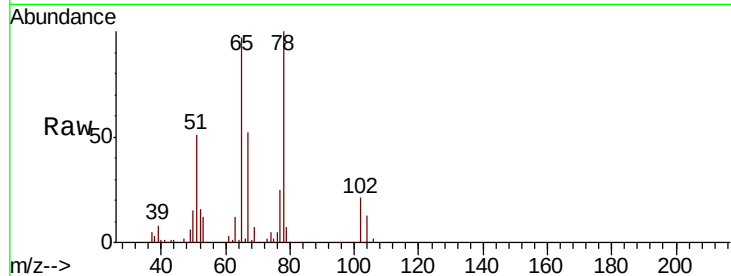
#33
 1,2-Dichloroethane-d4
 Concen: 48.06 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050512.D
 Acq: 10 Aug 2018 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.9	0.0	108.4	

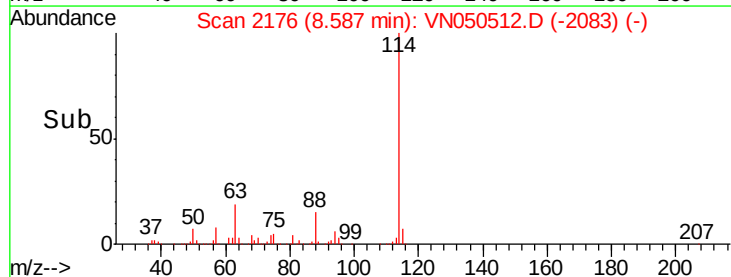
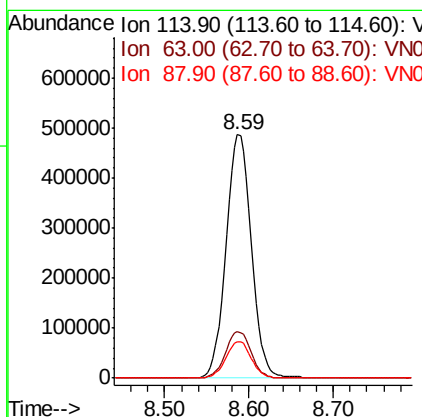
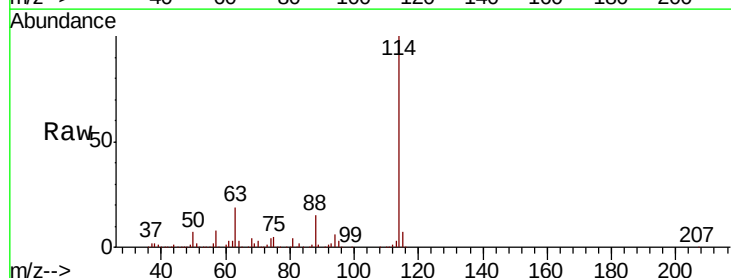
Manual Integrations
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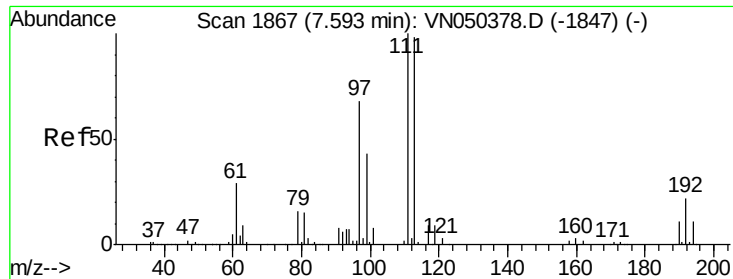
MMDadoda
 8/13/2018 11:05:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050512.D
 Acq: 10 Aug 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	40.0	
88	15.0	0.0	31.2	





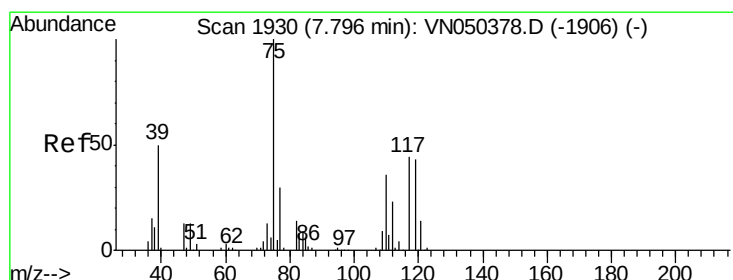
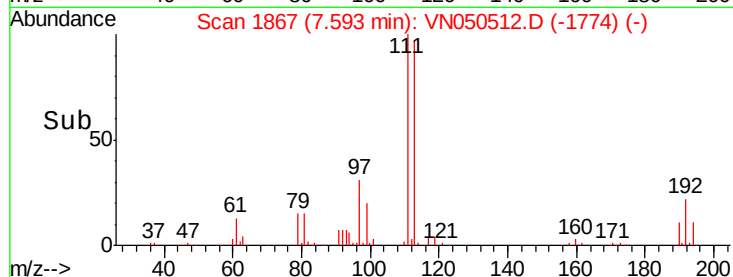
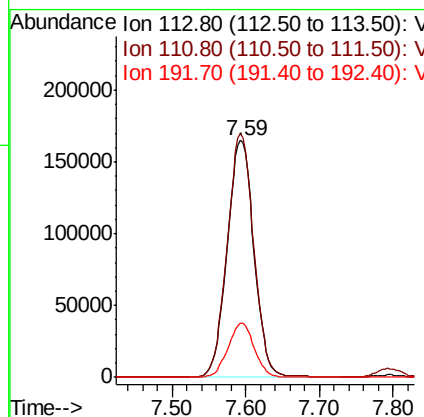
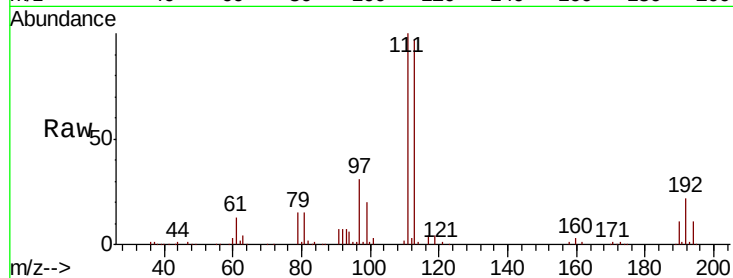
#35
 Dibromofluoromethane
 Concen: 51.06 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050512.D
 Acq: 10 Aug 2018 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	416815		
111	101.8	80.7	121.1	
192	22.4	17.8	26.6	

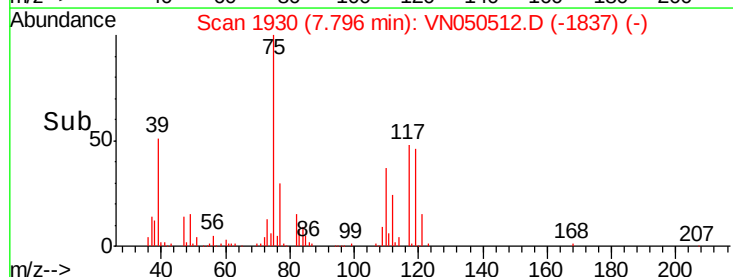
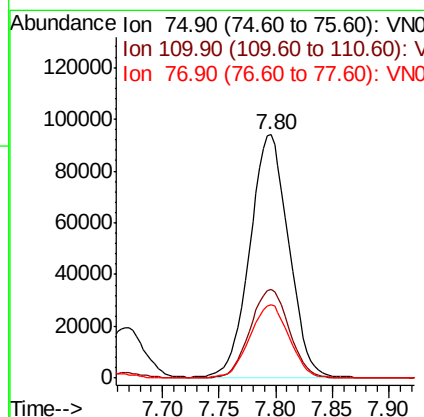
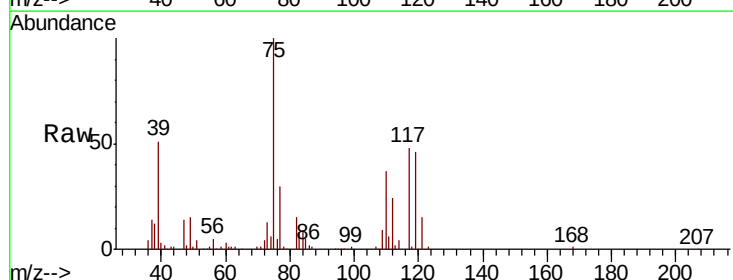
Manual Integrations
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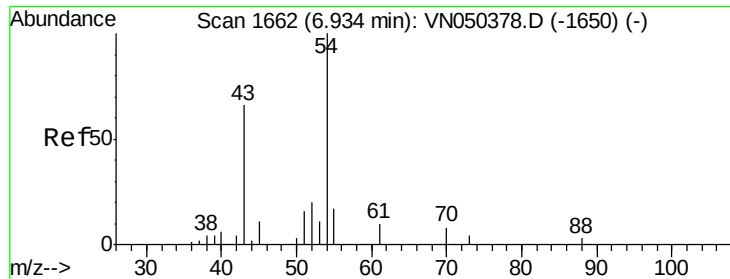
MMDadoda
 8/13/2018 11:05:38 AM



#36
 1,1-Dichloropropene
 Concen: 19.97 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050512.D
 Acq: 10 Aug 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	223181		
110	37.0	18.4	55.2	
77	31.1	25.3	37.9	





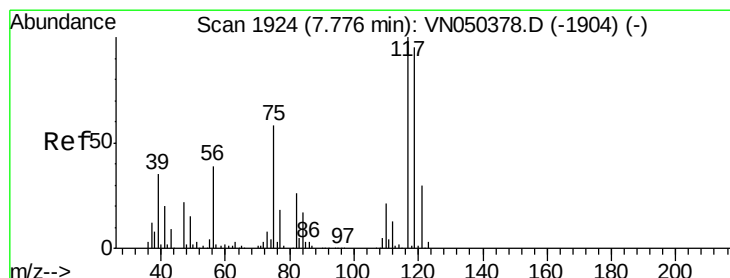
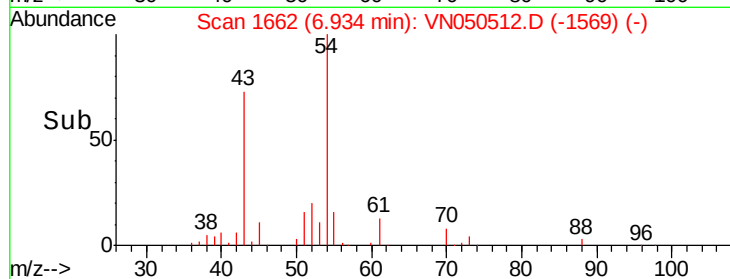
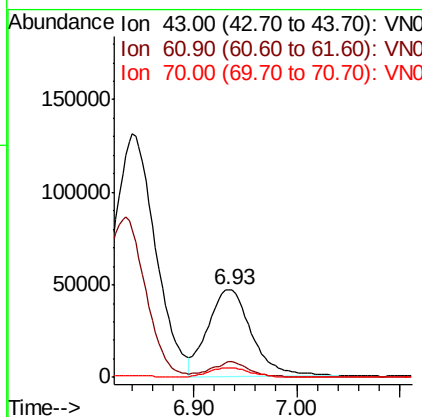
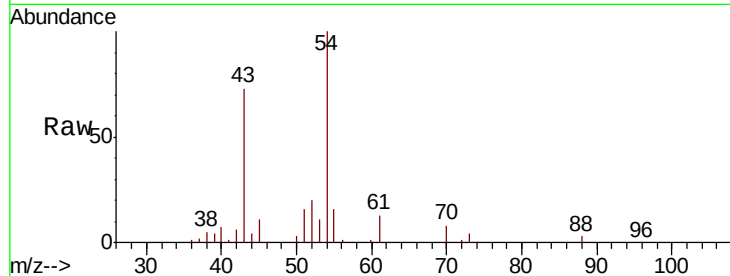
#37
Ethyl Acetate
Concen: 17.14 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Instrument :
MSVOA_N
ClientSampled :
VN0810WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	11.0	8.4	12.6

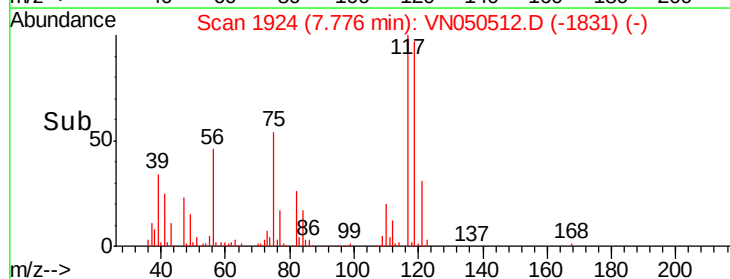
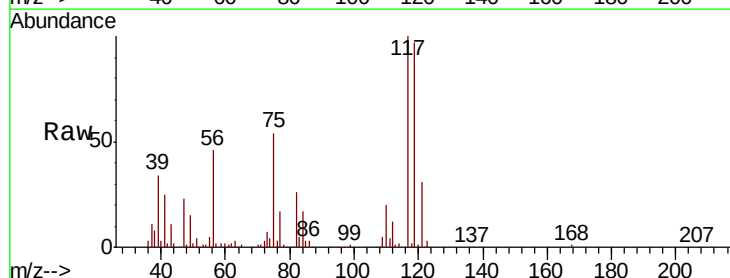
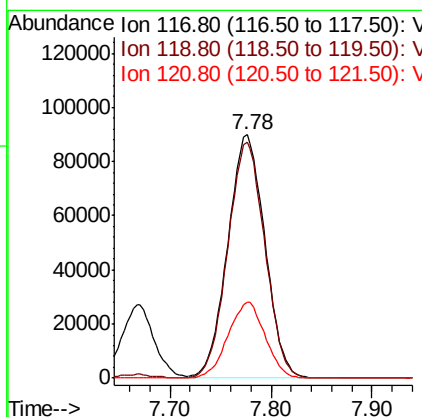
Manual Integrations
APPROVED

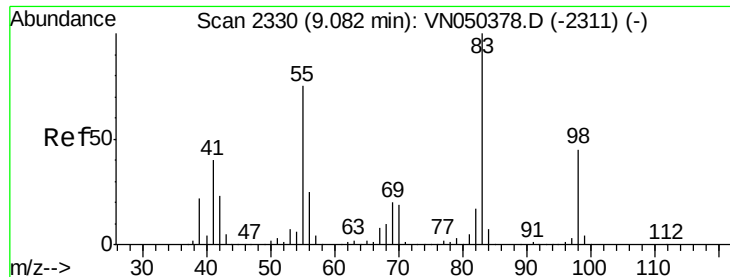
MMDadoda
8/13/2018 11:05:38 AM



#38
Carbon Tetrachloride
Concen: 19.76 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.4	116.0
121	31.3	23.9	35.9





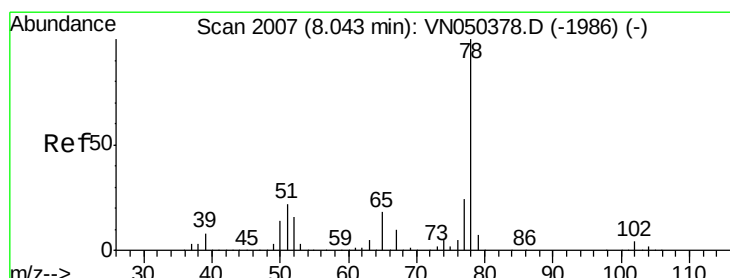
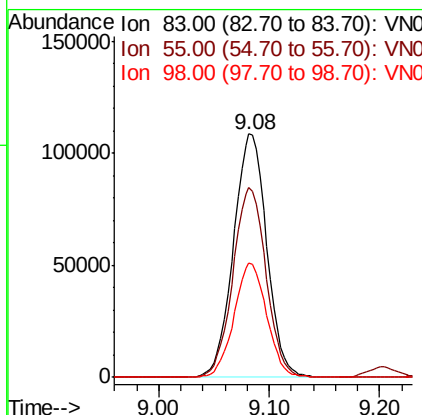
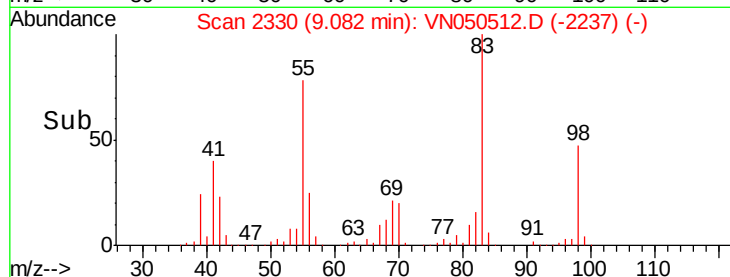
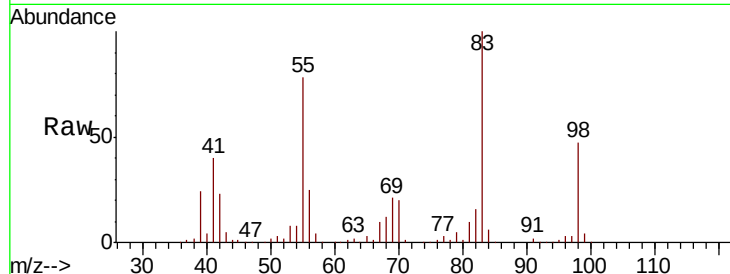
#39
Methylvlcyclohexane
Concen: 18.56 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Instrument :
MSVOA_N
ClientSampled :
VN0810WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.8	92.8
98	46.8	36.5	54.7

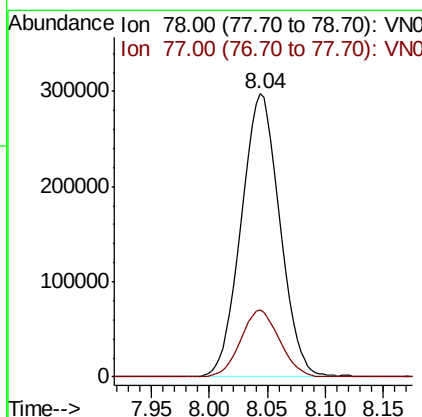
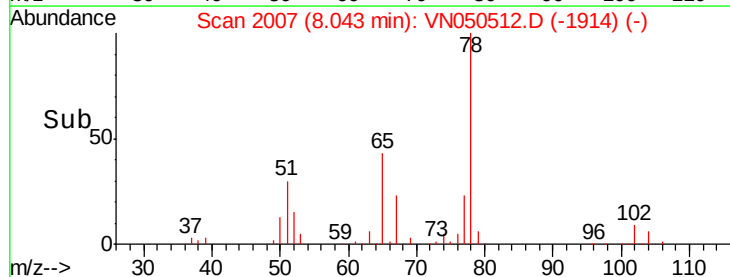
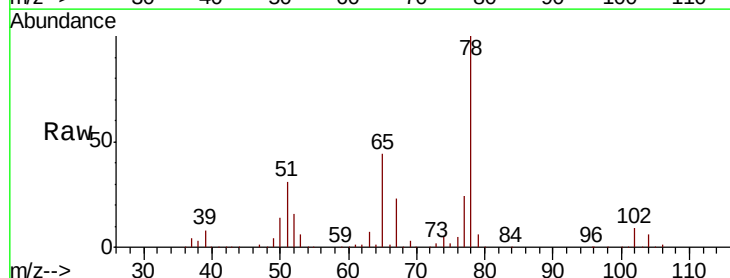
Manual Integrations
APPROVED

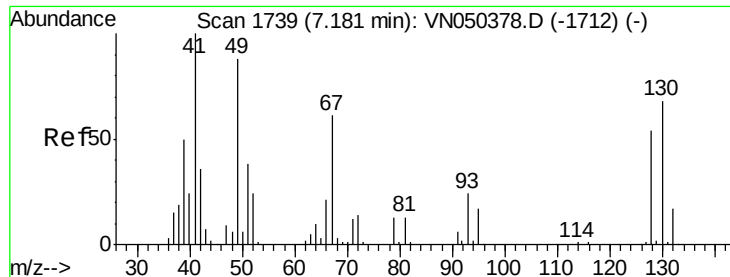
MMDadoda
8/13/2018 11:05:38 AM



#40
Benzene
Concen: 20.14 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1





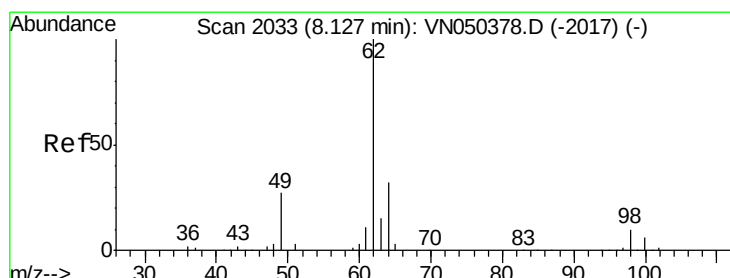
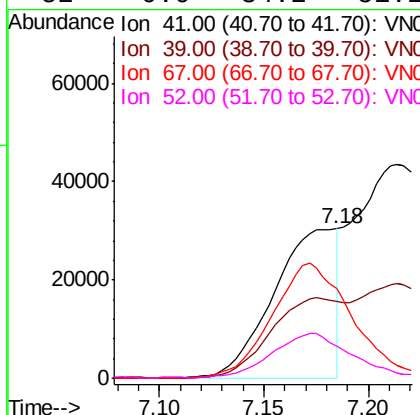
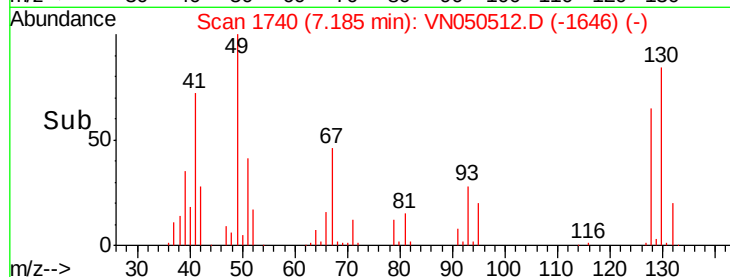
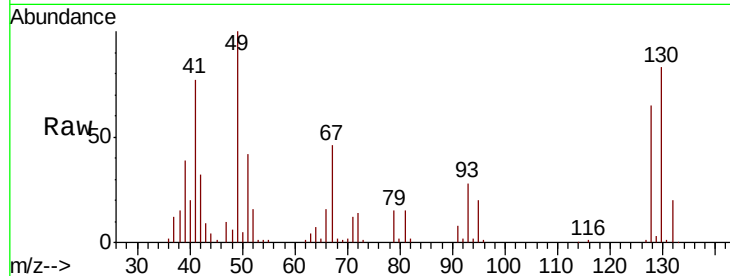
#41
Methacrylonitrile
Concen: 14.91 ug/l m
RT: 7.18 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBSD01

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

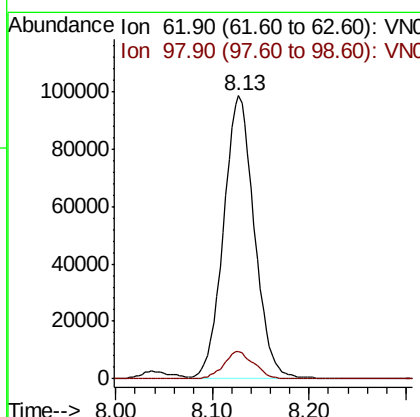
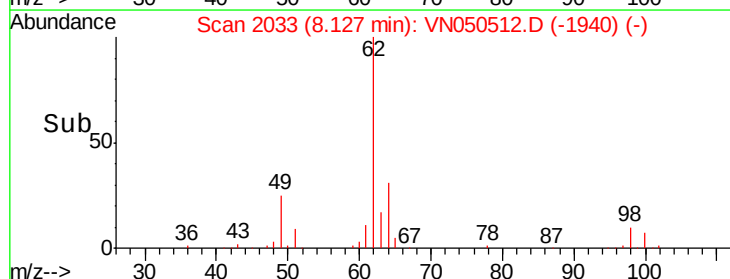
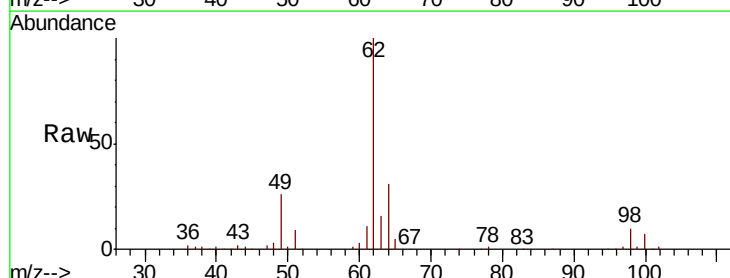
Manual Integrations
APPROVED

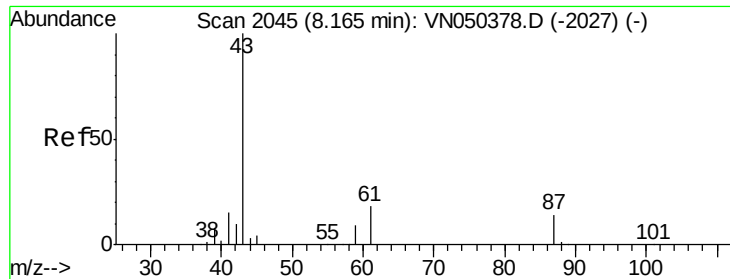
MMDadoda
8/13/2018 11:05:38 AM



#42
1,2-Dichloroethane
Concen: 19.88 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.8





#43

Isopropyl Acetate

Concen: 17.03 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

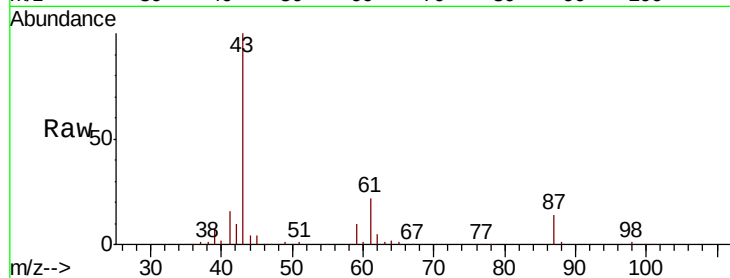
ClientSampleId :

VN0810WBSD01

Tot Ion:	43	Resp:	236620
Ion	Ratio	Lower	Upper
43	100		
61	21.0	15.8	23.6
87	14.1	10.3	15.5

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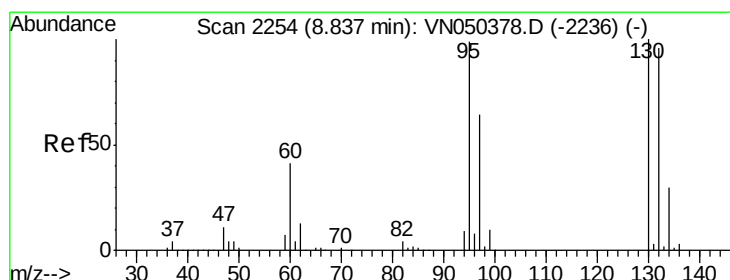
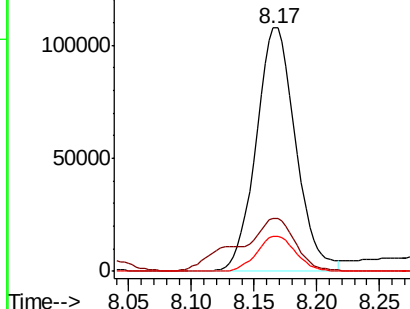
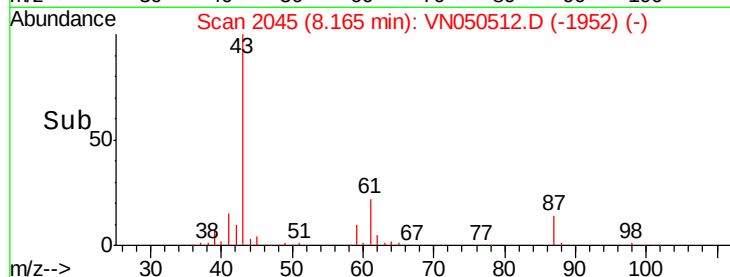


Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050378.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050378.D (-2027) (-)

Time-->



#44

Trichloroethene

Concen: 19.66 ug/l

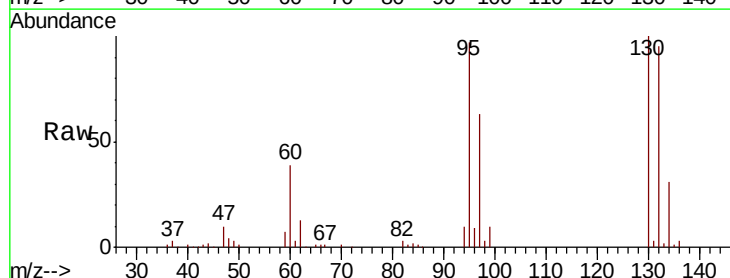
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

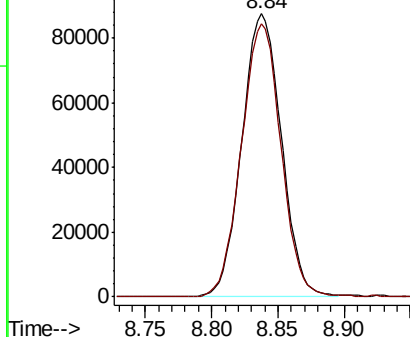
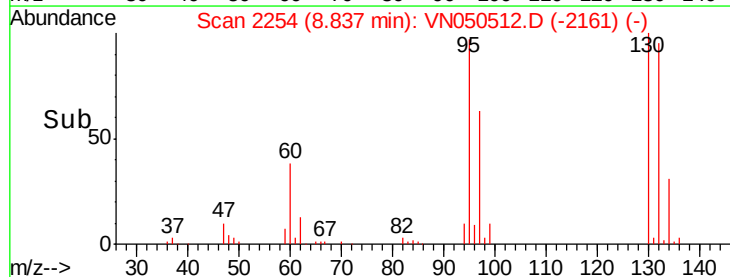
Tgt Ion:	130	Resp:	181539
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	194.6

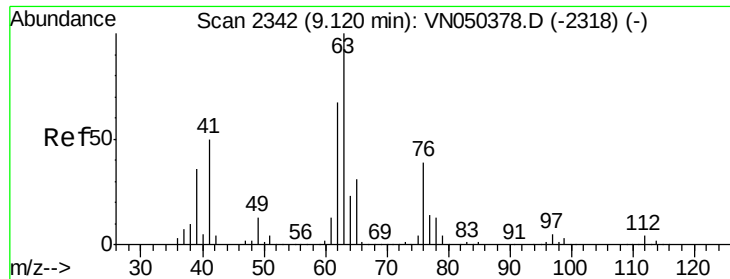


Abundance Ion 129.80 (129.50 to 130.50): VN050378.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050378.D (-2236) (-)

Time-->





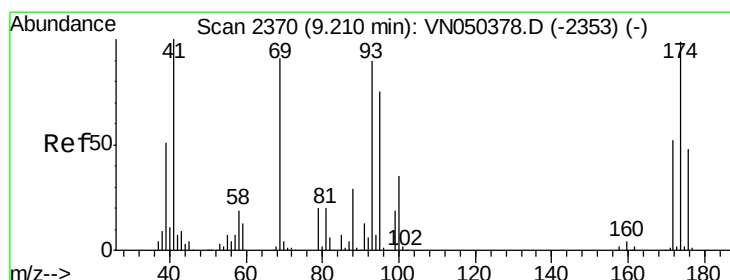
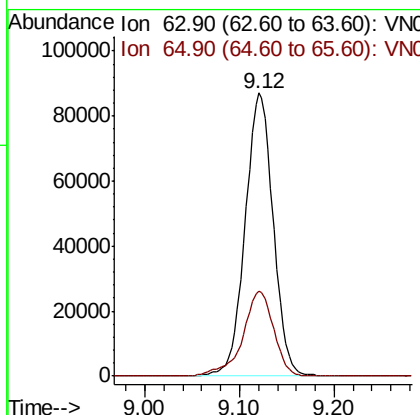
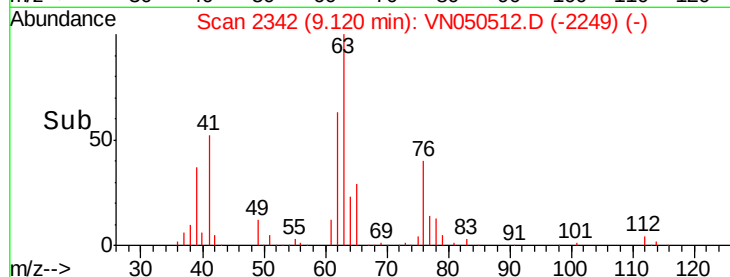
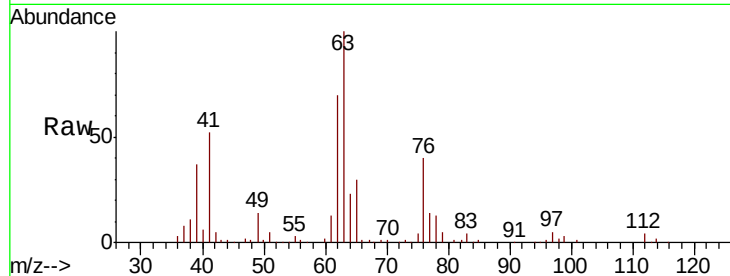
#45
 1,2-Dichloropropane
 Concen: 19.85 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050512.D
 Acq: 10 Aug 2018 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.5	38.3

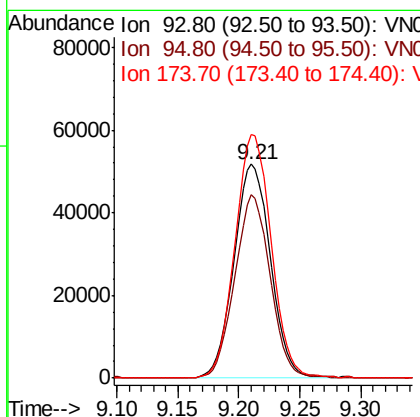
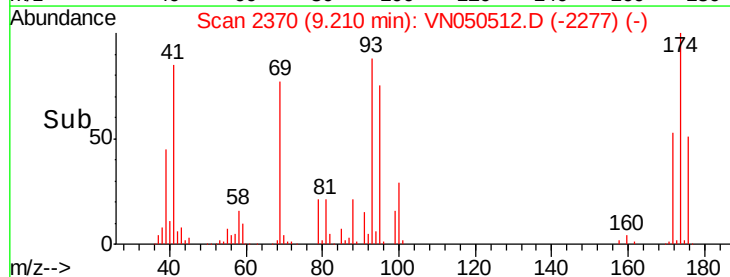
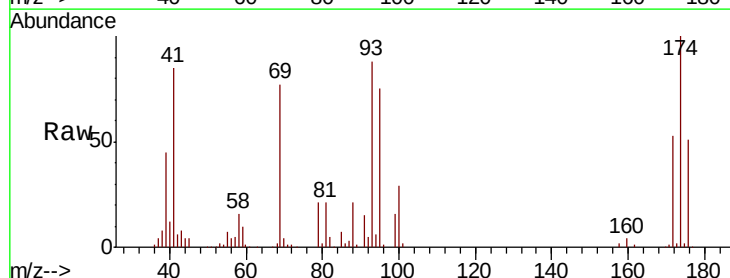
Manual Integrations
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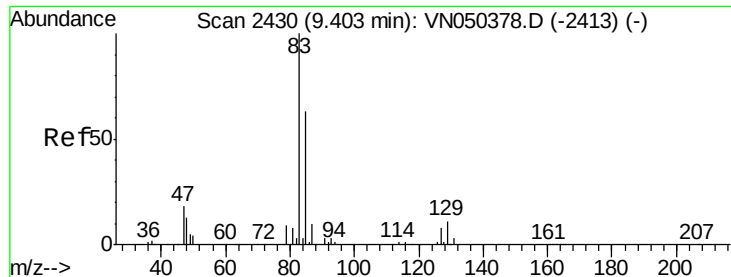
MMDadoda
 8/13/2018 11:05:38 AM



#46
 Dibromomethane
 Concen: 19.30 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050512.D
 Acq: 10 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.6	100.0
174	112.7	87.1	130.7





#47

Bromodichloromethane

Concen: 19.82 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

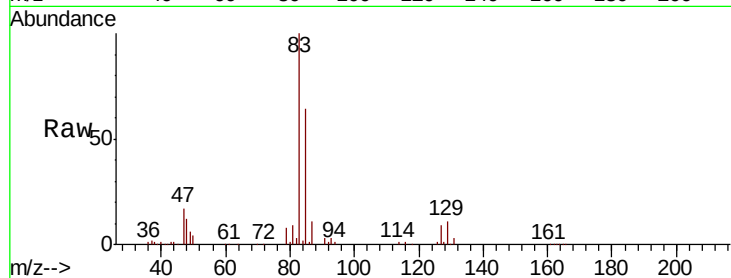
ClientSampleId :

VN0810WBSD01

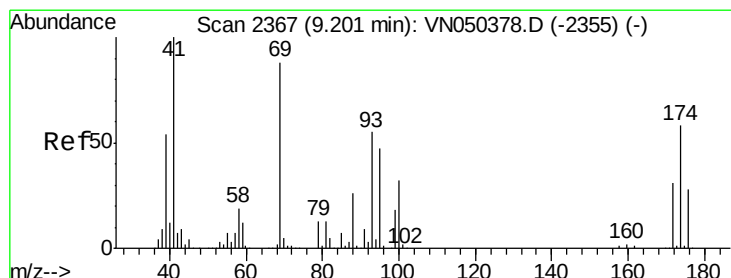
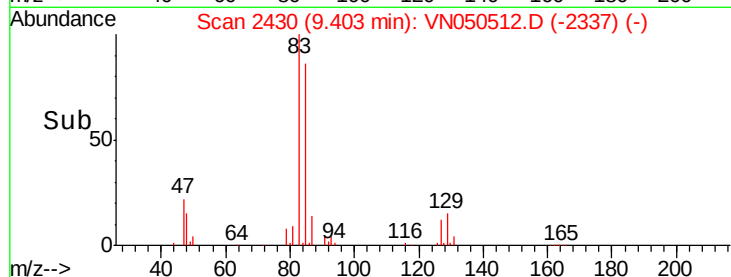
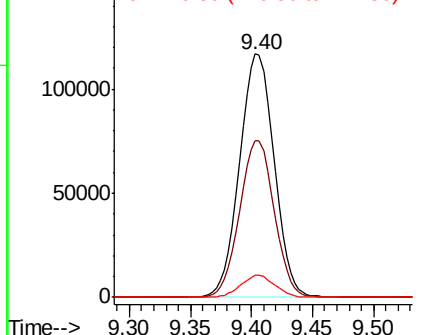
Tot Ion	83	Resp	229065
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.1	76.7
127	8.9	7.0	10.4

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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): V



#48

Methyl methacrylate

Concen: 17.47 ug/l

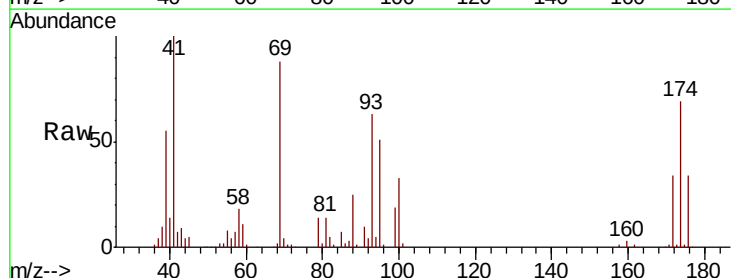
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

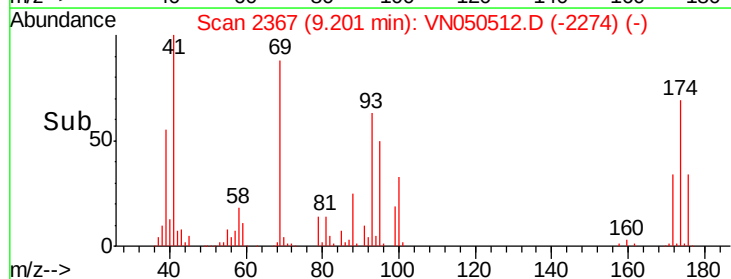
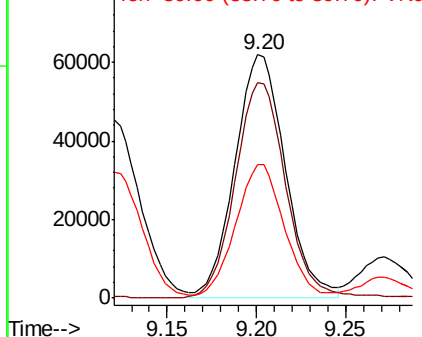
Lab File: VN050512.D

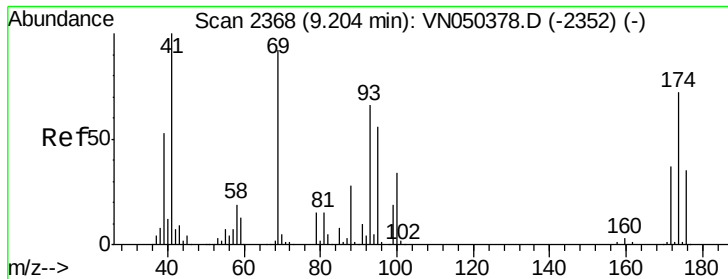
Acq: 10 Aug 2018 12:54

Tgt Ion	41	Resp	121668
Ion Ratio	Lower	Upper	
41	100		
69	89.5	70.6	105.8
39	53.0	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





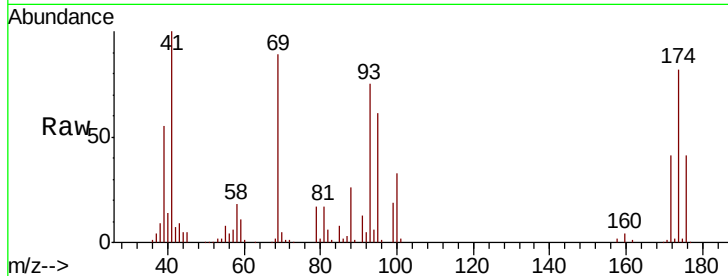
#49
1,4-Dioxane
Concen: 293.47 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	26.9	40.3
58	73.0	57.3	85.9

Manual Integrations
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MMDadoda
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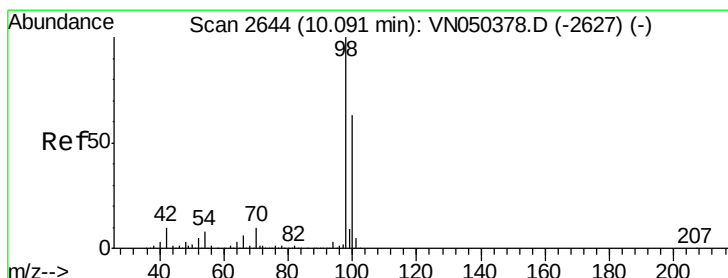
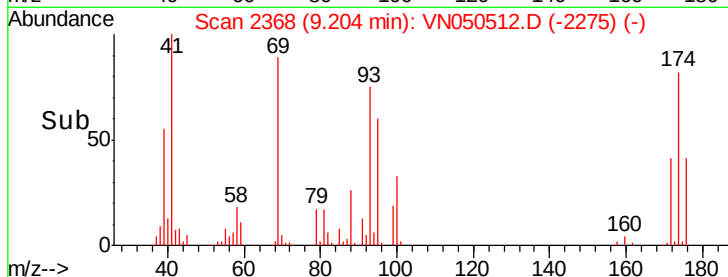
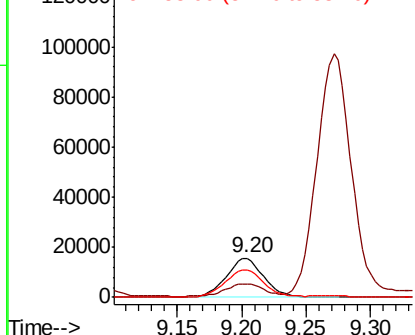


Abundance

Ion 88.00 (87.70 to 88.70): VN0

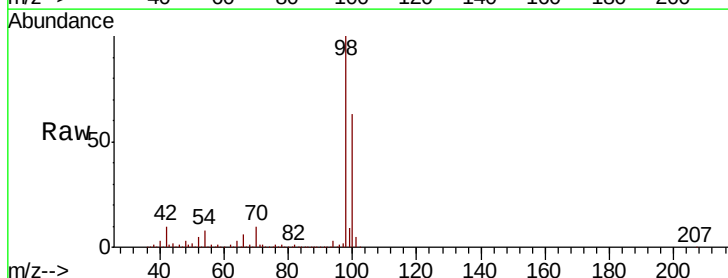
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 49.08 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

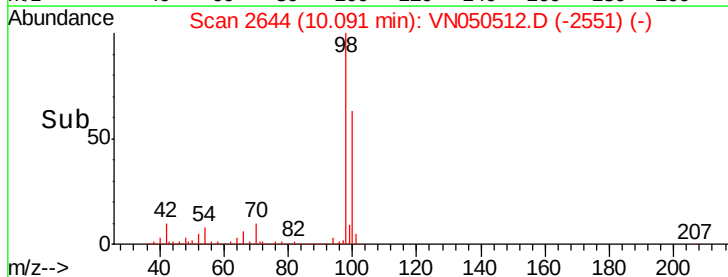
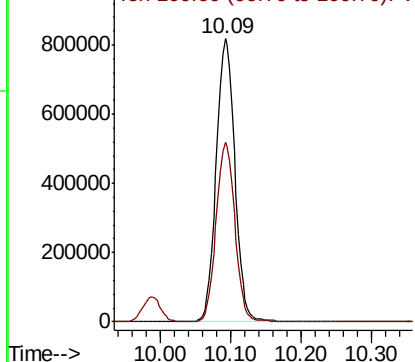
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.7	76.1

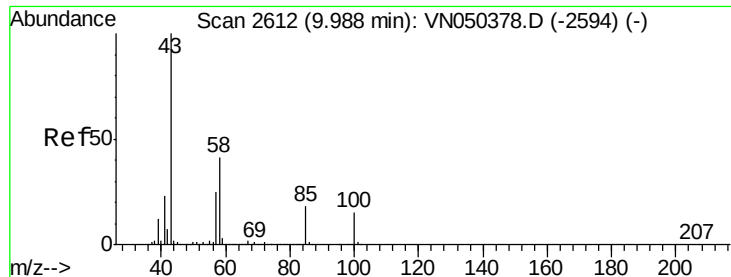


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 84.85 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

ClientSampleID :

VN0810WBSD01

Tot Ion: 43 Resp: 849197

Ion Ratio Lower Upper

43 100

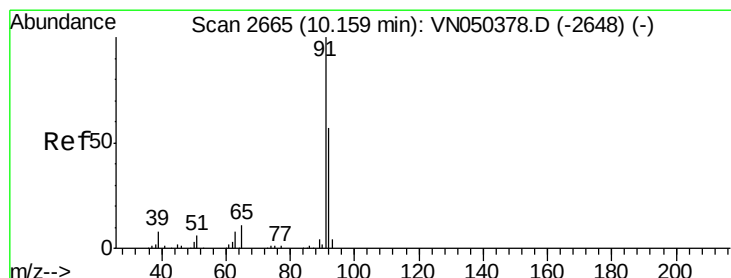
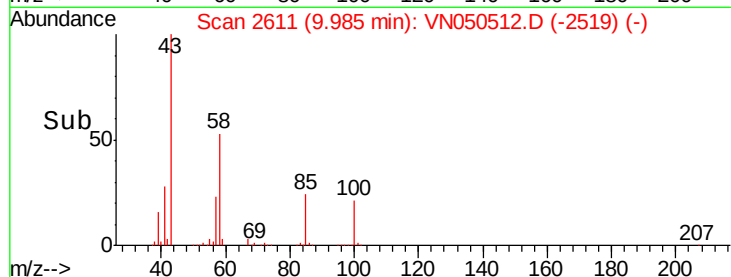
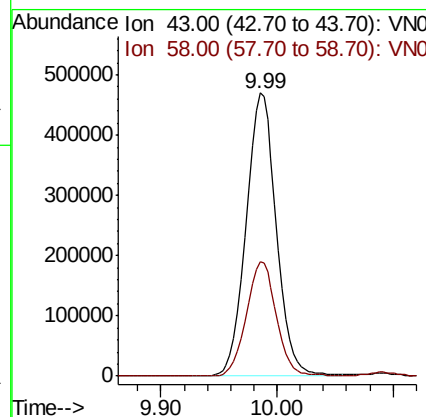
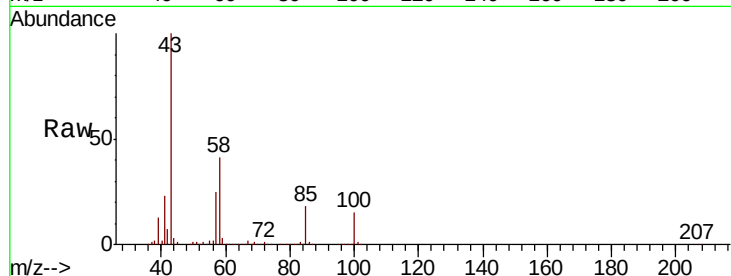
58 40.3 31.9 47.9

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#52

Toluene

Concen: 20.16 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050512.D

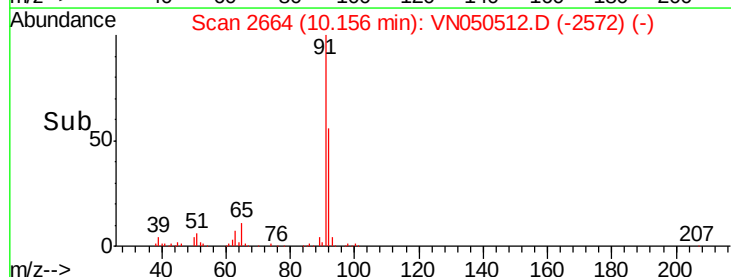
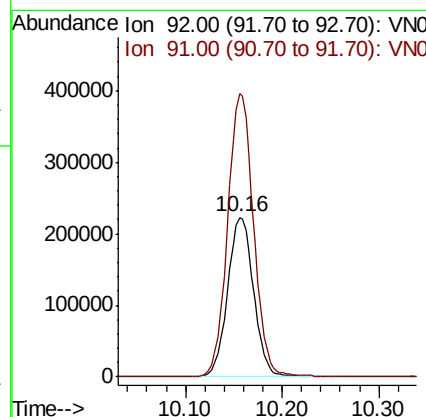
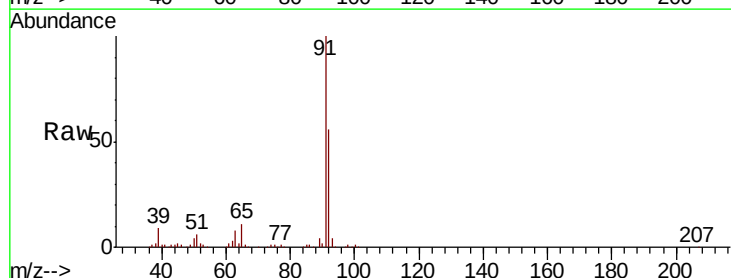
Acq: 10 Aug 2018 12:54

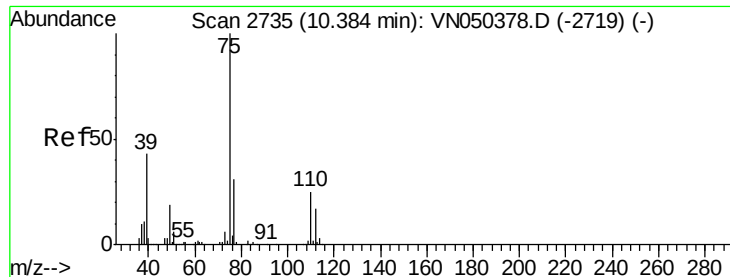
Tgt Ion: 92 Resp: 416086

Ion Ratio Lower Upper

92 100

91 177.1 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 18.69 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

ClientSampled :

VN0810WBSD01

Tot Ion: 75 Resp: 216810

Ion Ratio Lower Upper

75 100

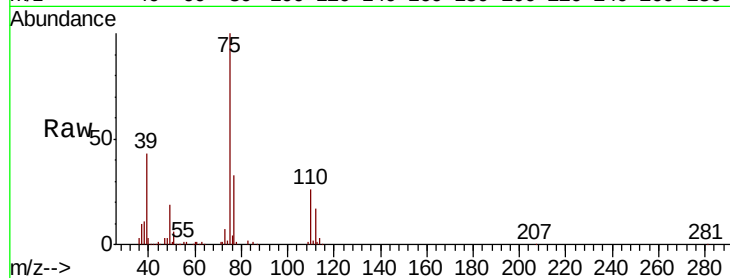
77 32.8 24.9 37.3

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

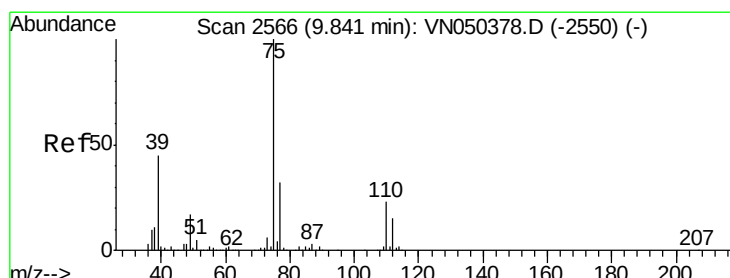
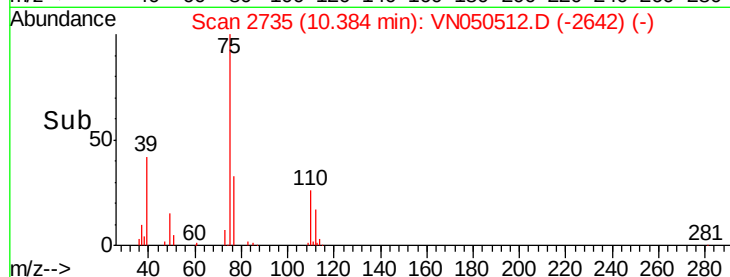
10.38

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.66 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

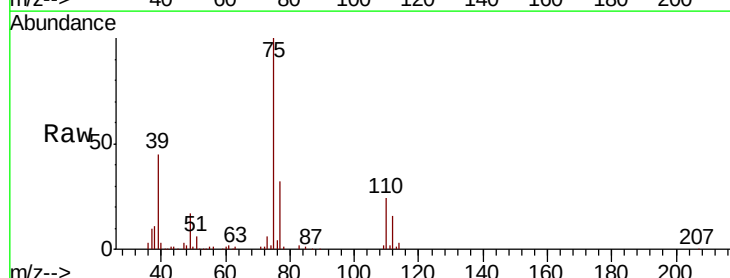
Tgt Ion: 75 Resp: 254650

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 44.4 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

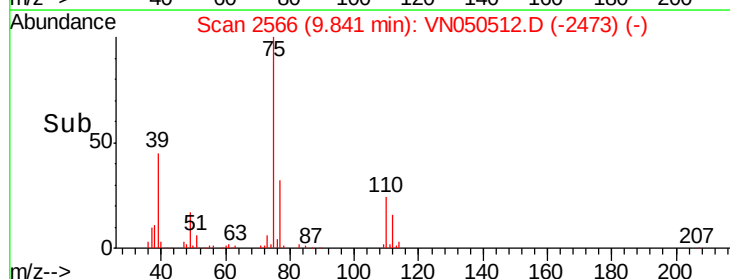
150000

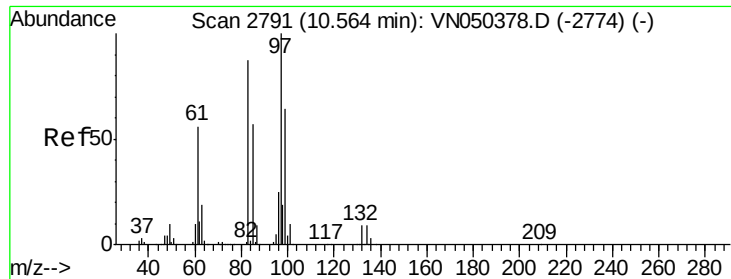
100000

50000

0

Time-->





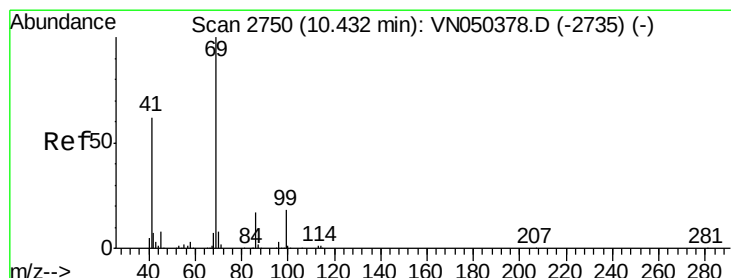
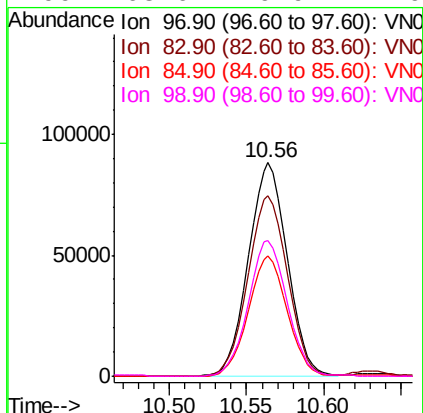
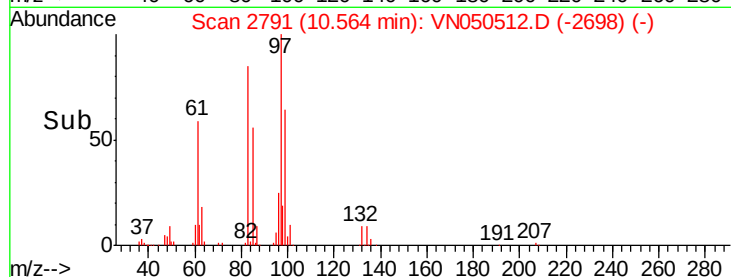
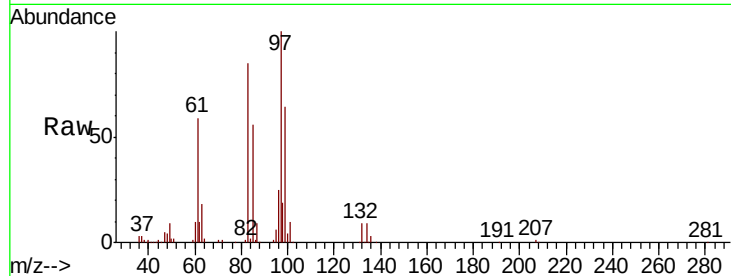
#55
 1,1,2-Trichloroethane
 Concen: 19.20 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050512.D
 Acq: 10 Aug 2018 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		154701		
83	84.7	69.2	103.8		
85	56.1	44.0	66.0		
99	63.6	49.9	74.9		

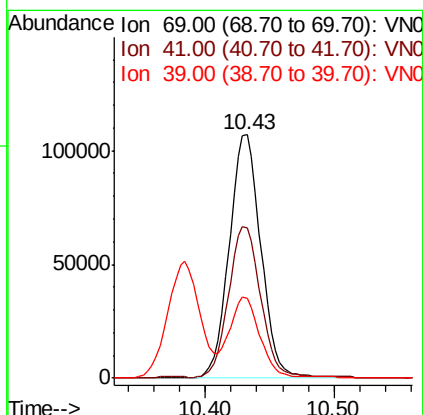
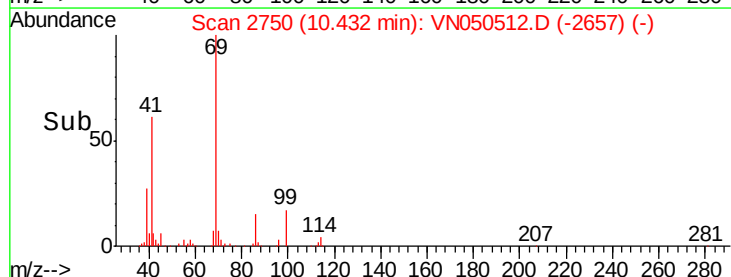
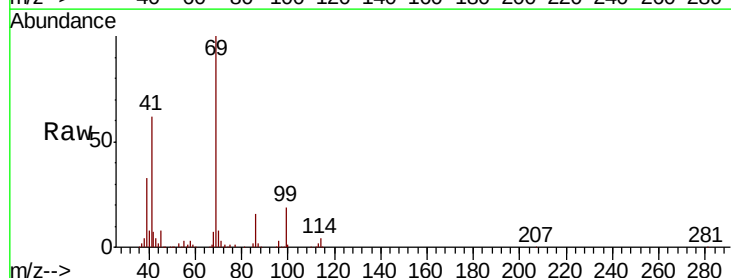
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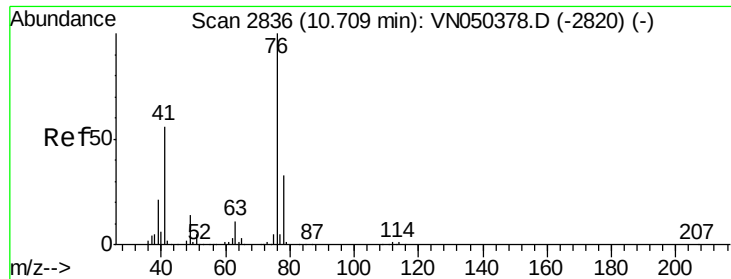
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#56
 Ethyl methacrylate
 Concen: 17.14 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050512.D
 Acq: 10 Aug 2018 12:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		182167		
41	62.4	51.0	76.4		
39	32.2	26.6	40.0		





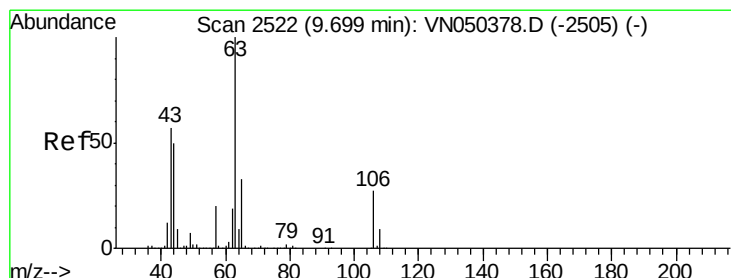
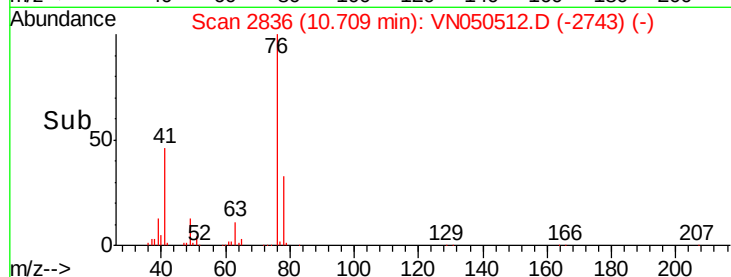
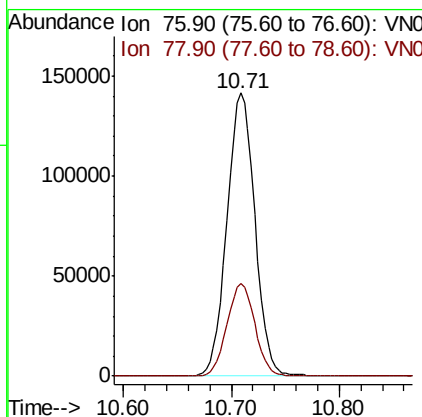
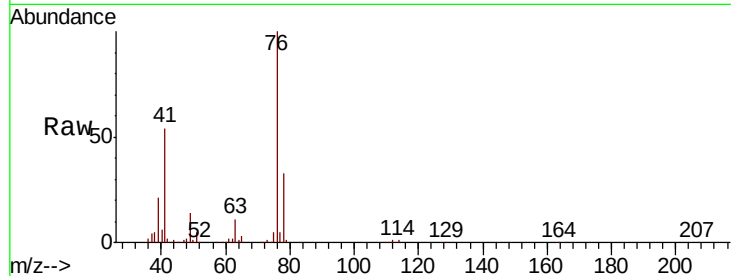
#57
 1,3-Dichloropropane
 Concen: 19.37 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050512.D
 Acq: 10 Aug 2018 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBSD01

Tot Ion: 76 Resp: 256240
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5

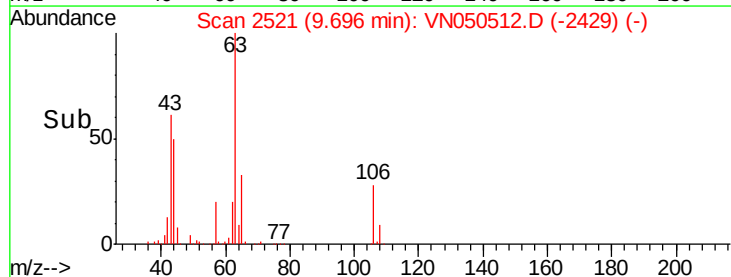
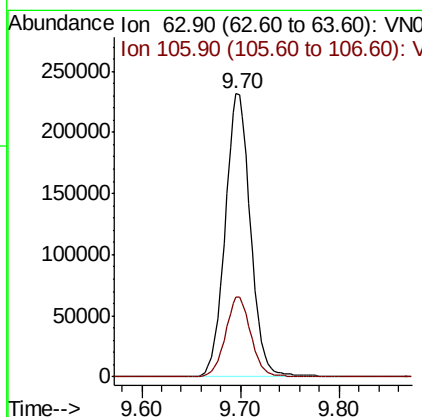
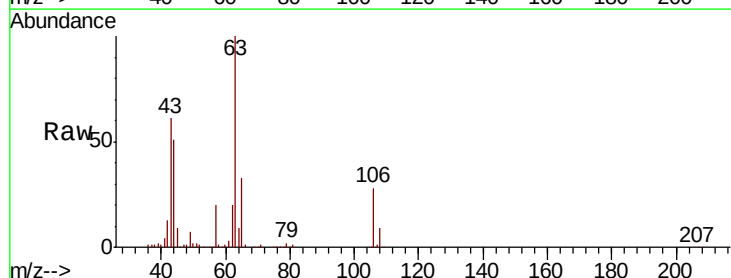
Manual Integrations
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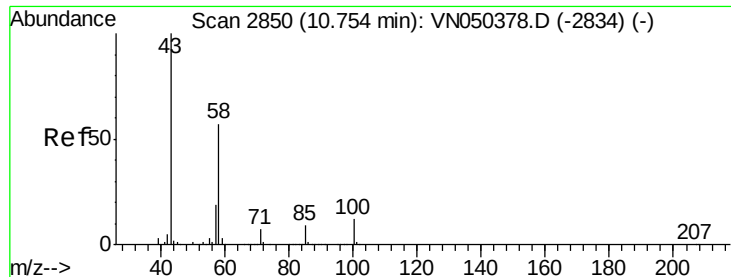
MMDadoda
 8/13/2018 11:05:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.48 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050512.D
 Acq: 10 Aug 2018 12:54

Tgt Ion: 63 Resp: 416774
 Ion Ratio Lower Upper
 63 100
 106 28.2 21.7 32.5





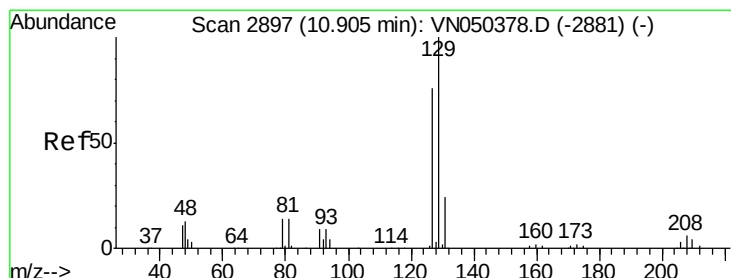
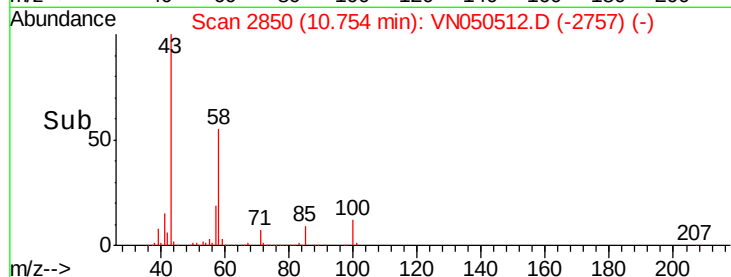
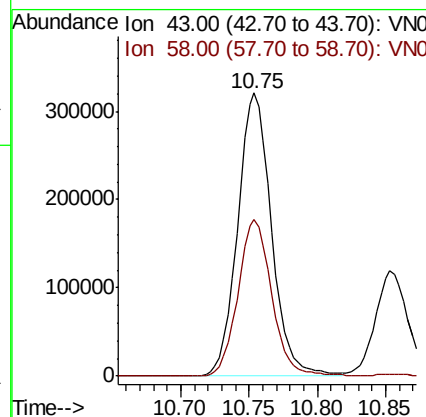
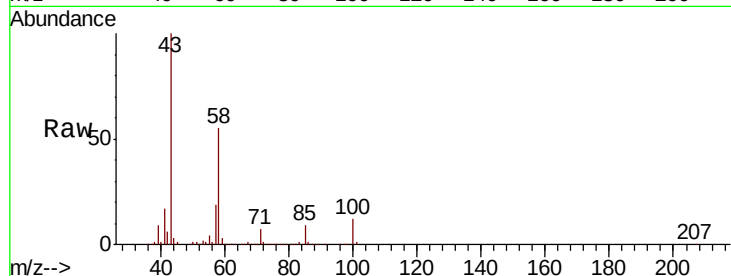
#59
2-Hexanone
Concen: 78.64 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Instrument :
MSVOA_N
ClientSampled :
VN0810WBSD01

Tot Ion: 43 Resp: 549244
Ion Ratio Lower Upper
43 100
58 55.5 27.6 82.7

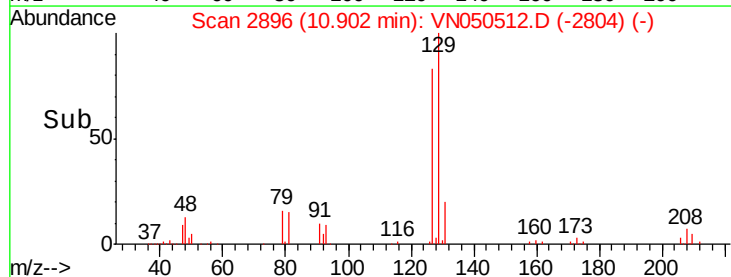
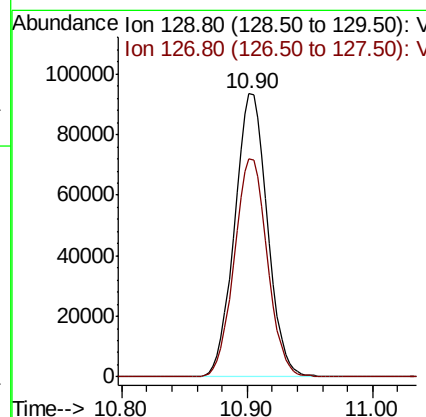
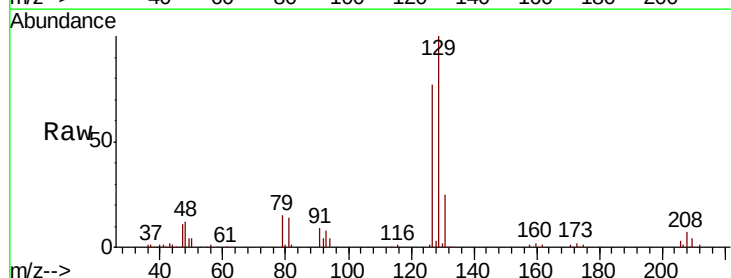
Manual Integrations
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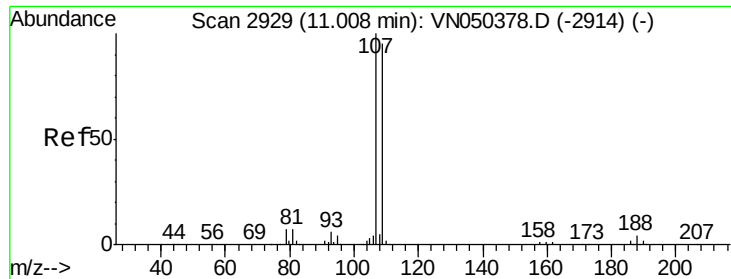
MMDadoda
8/13/2018 11:05:38 AM



#60
Dibromochloromethane
Concen: 19.12 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Tgt Ion: 129 Resp: 169791
Ion Ratio Lower Upper
129 100
127 77.5 38.0 113.9





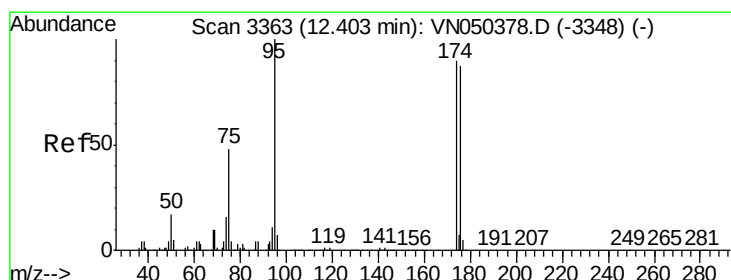
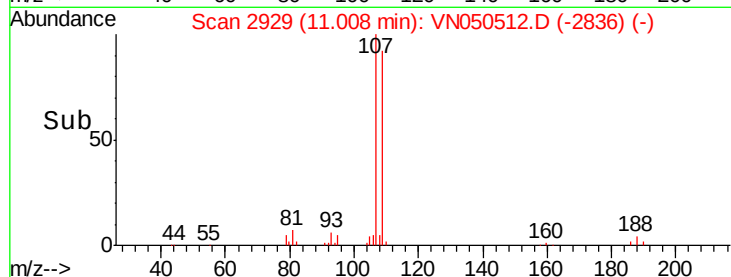
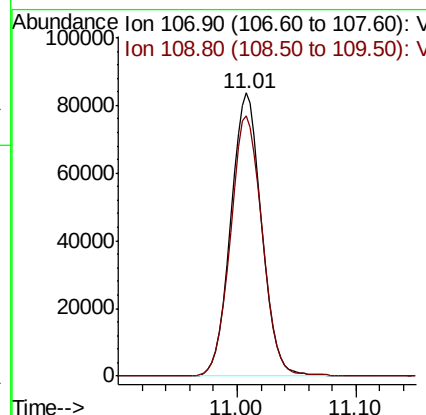
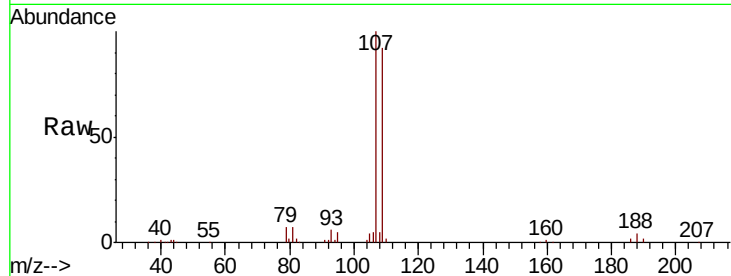
#61
 1,2-Dibromoethane
 Concen: 18.84 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050512.D
 Acq: 10 Aug 2018 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.6	112.0

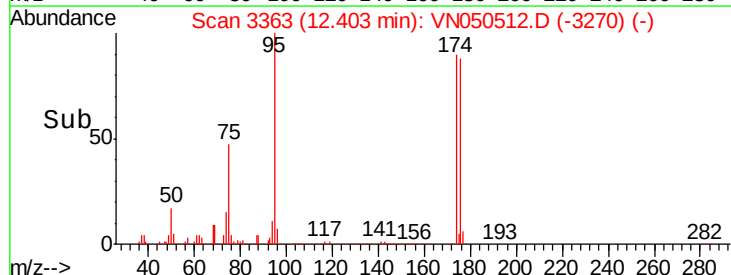
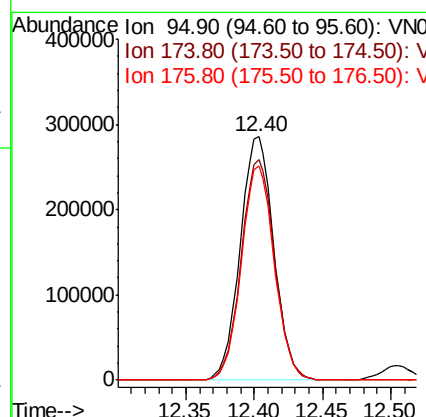
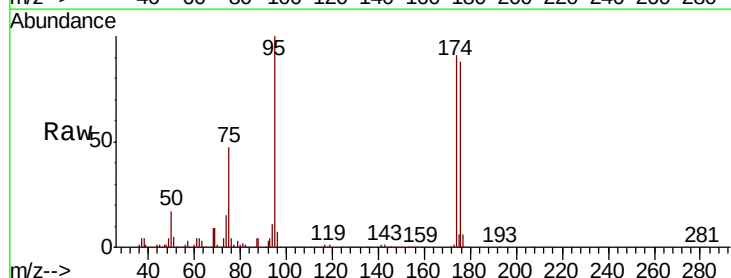
Manual Integrations
 APPROVED

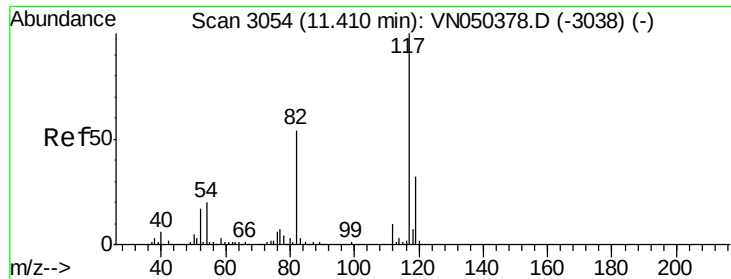
MMDadoda
 8/13/2018 11:05:38 AM



#62
 4-Bromofluorobenzene
 Concen: 46.63 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050512.D
 Acq: 10 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	178.2
176	86.5	0.0	173.4





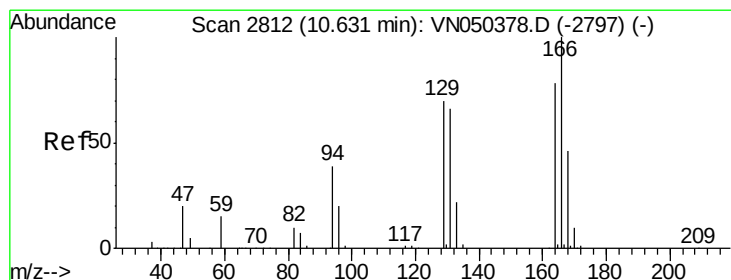
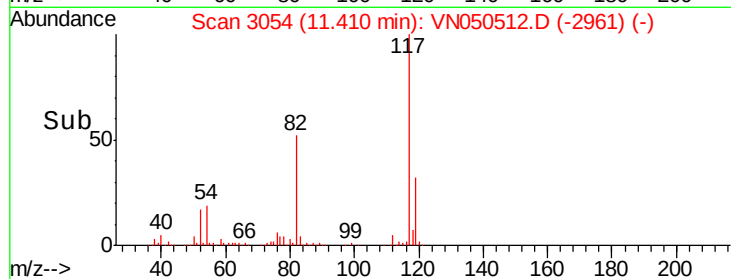
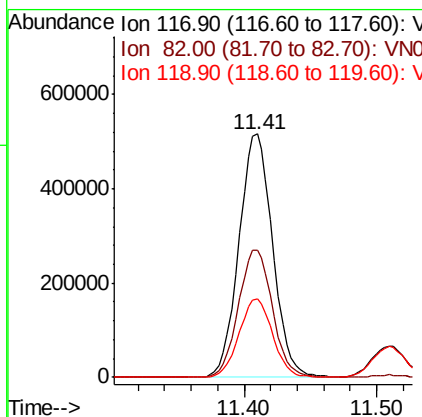
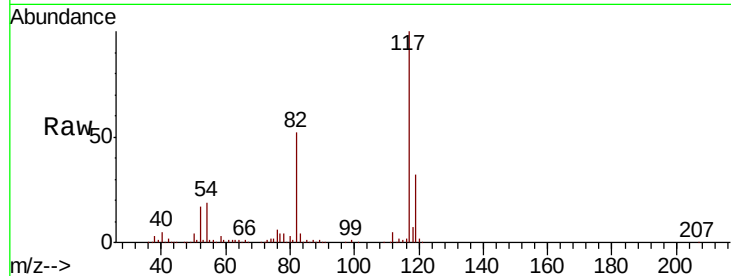
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Instrument :
MSVOA_N
ClientSampled :
VN0810WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	43.7	65.5
119	32.0	26.1	39.1

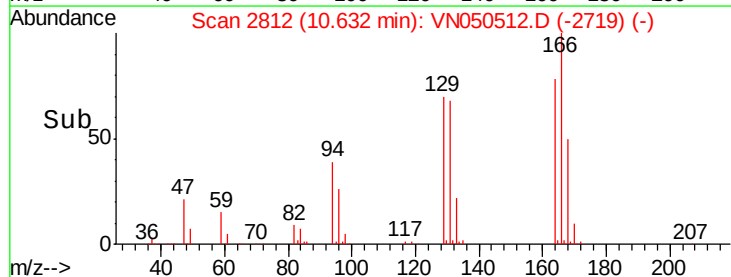
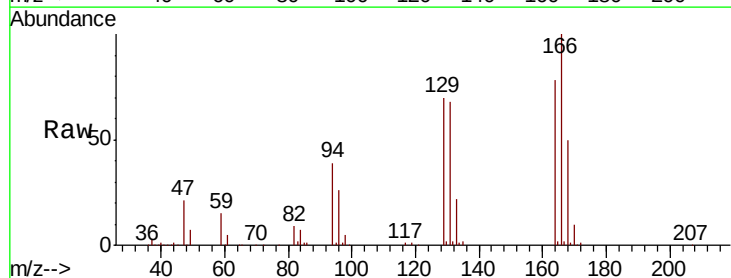
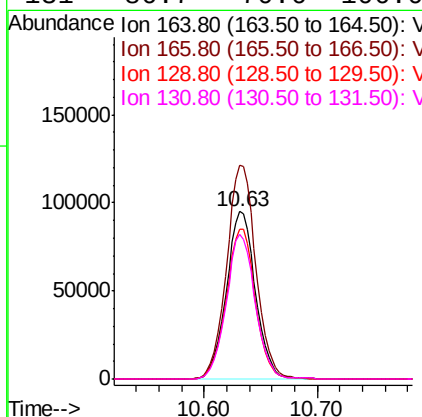
Manual Integrations
APPROVED

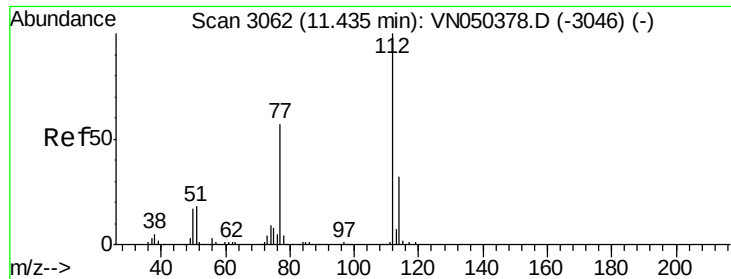
MMDadoda
8/13/2018 11:05:38 AM



#64
Tetrachloroethene
Concen: 19.93 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.1	153.1
129	89.8	73.2	109.8
131	86.7	70.6	106.0





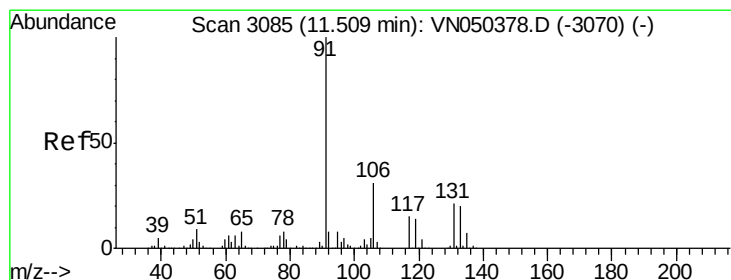
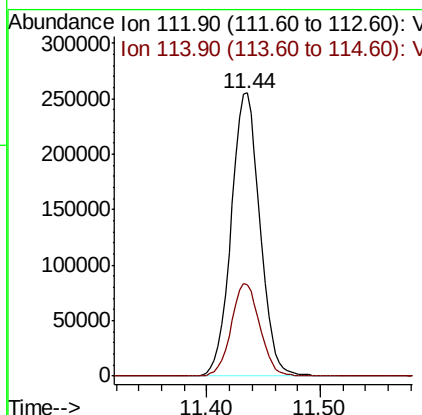
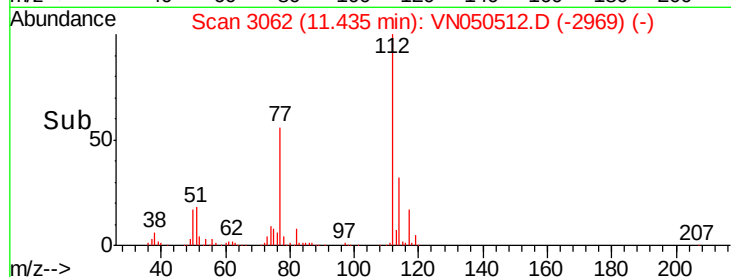
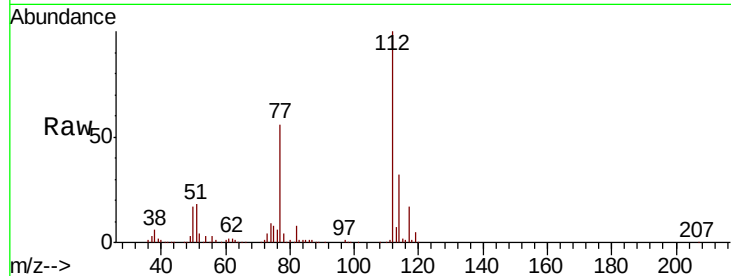
#65
Chlorobenzene
Concen: 19.76 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Instrument :
MSVOA_N
ClientSampled :
VN0810WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.6	38.4

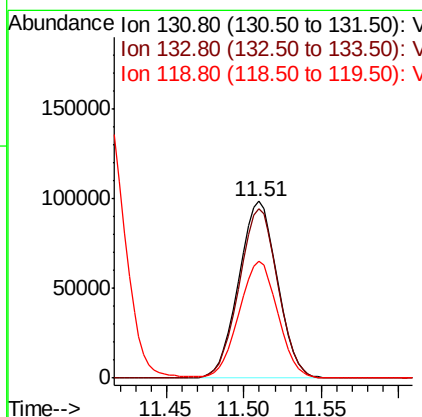
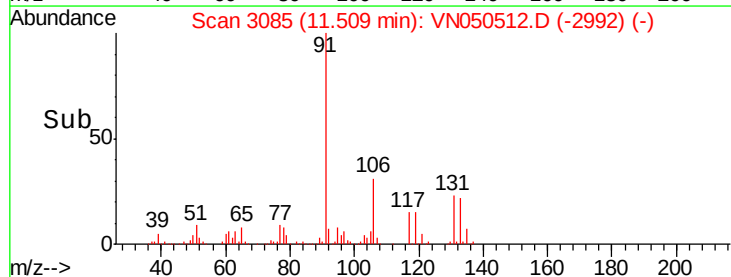
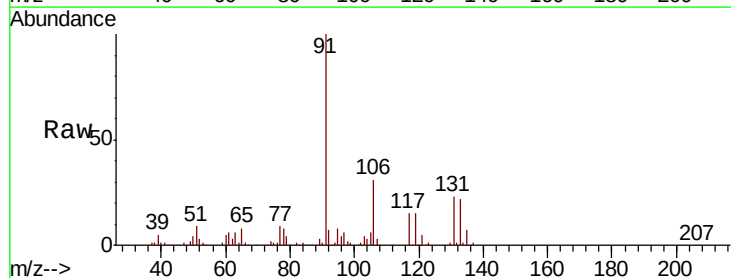
Manual Integrations
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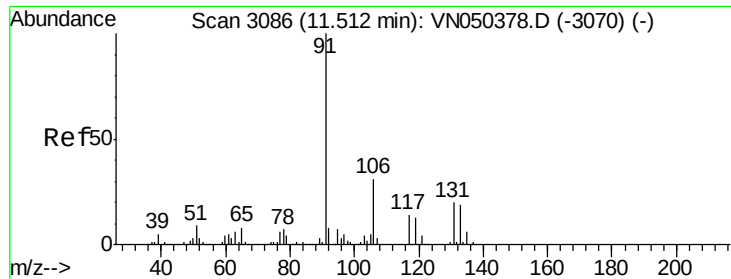
MMDadoda
8/13/2018 11:05:38 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.66 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.3	141.9
119	66.3	32.9	98.7





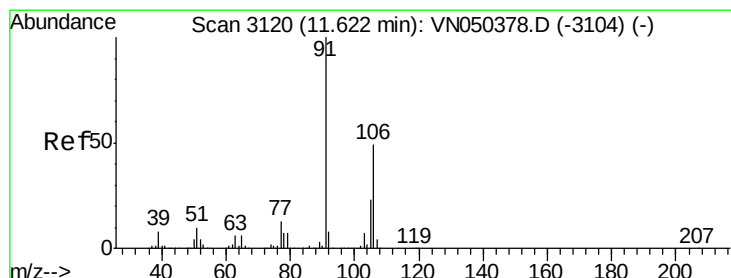
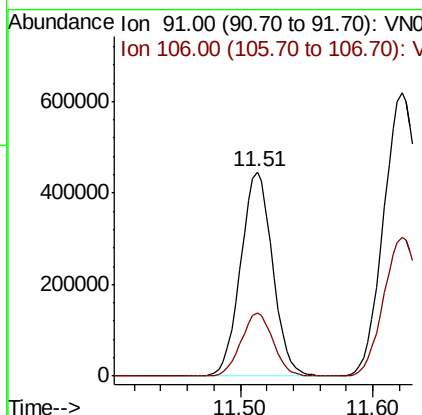
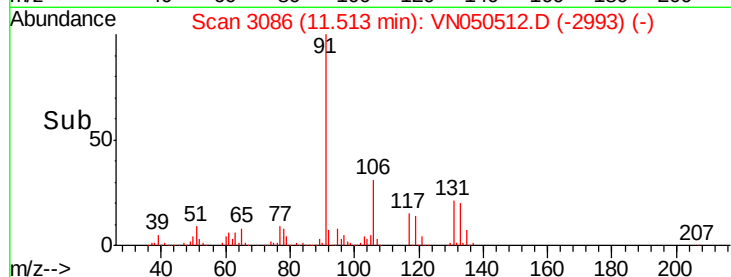
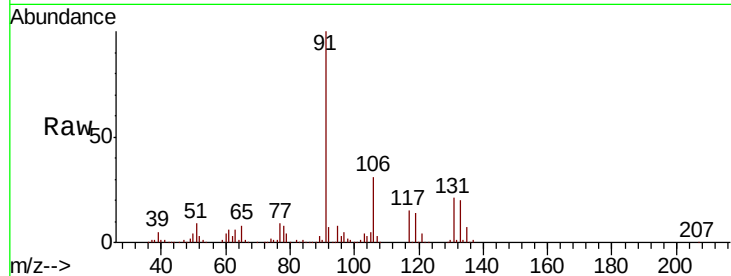
#67
Ethyl Benzene
Concen: 20.22 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Instrument :
MSVOA_N
ClientSampled :
VN0810WBSD01

Tot Ion: 91 Resp: 745268
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

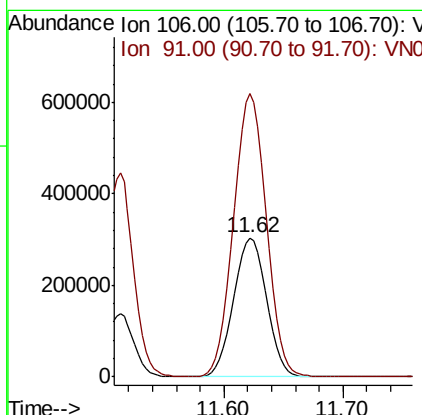
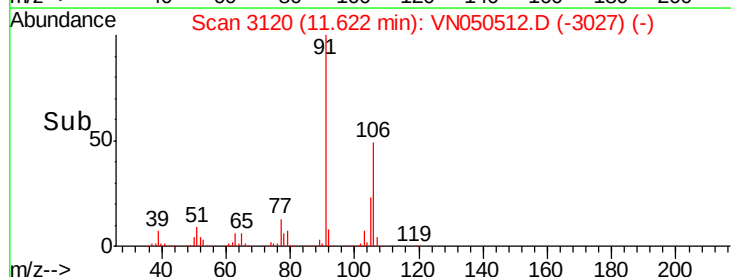
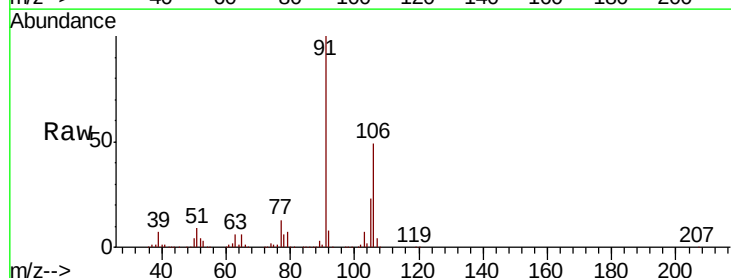
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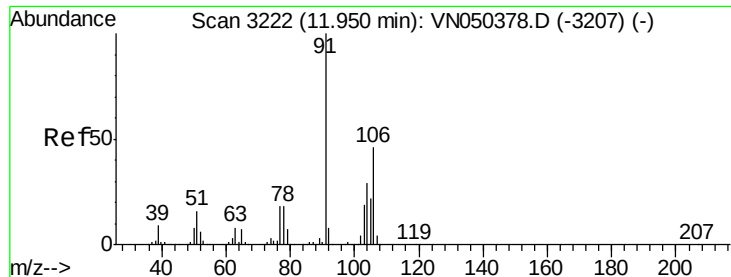
MMDadoda
8/13/2018 11:05:38 AM



#68
m/p-Xylenes
Concen: 41.58 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Tgt Ion: 106 Resp: 583486
Ion Ratio Lower Upper
106 100
91 202.4 162.2 243.2





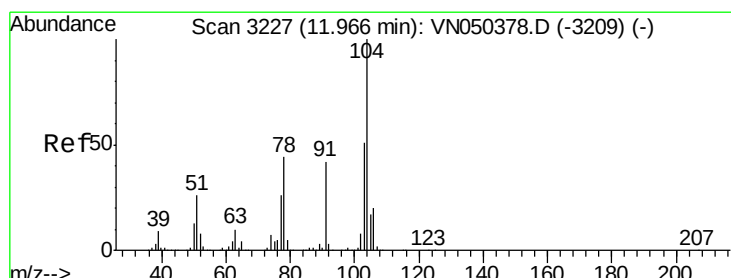
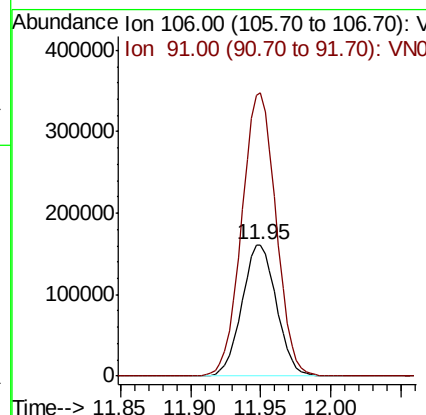
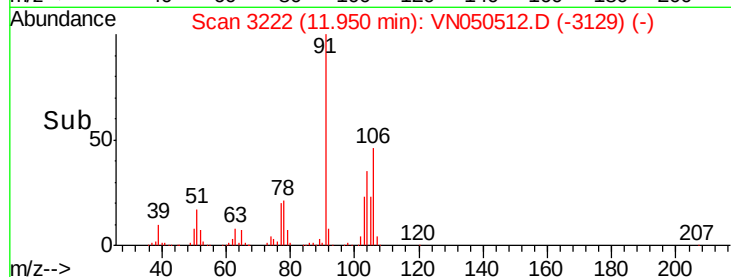
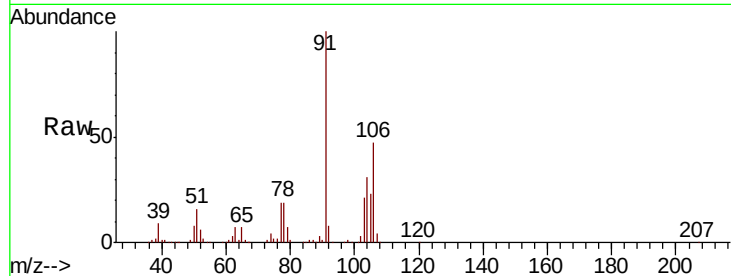
#69
o-Xylene
Concen: 20.47 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Instrument :
MSVOA_N
ClientSampled :
VN0810WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		276641		
91	214.3	107.7	323.1		

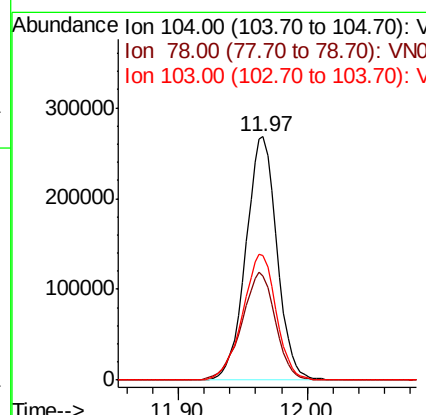
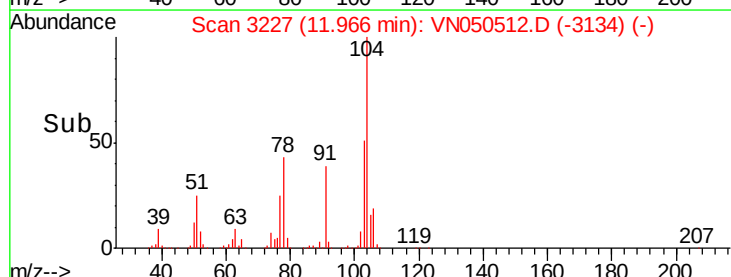
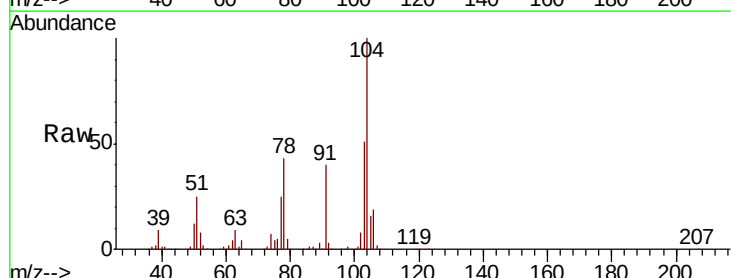
Manual Integrations
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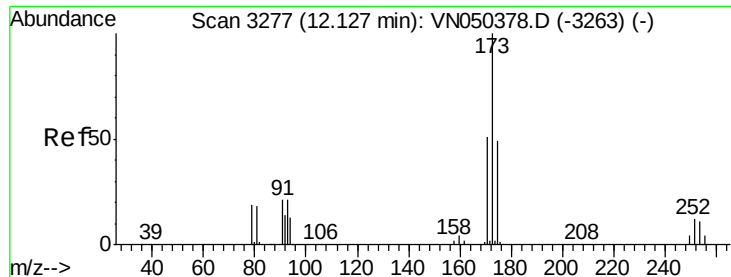
MMDadoda
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#70
Styrene
Concen: 20.47 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		449850		
78	48.3	39.3	58.9		
103	55.9	45.0	67.6		





#71

Bromoform

Concen: 19.00 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBSD01

Tot Ion:173 Resp: 115261

Ion Ratio Lower Upper

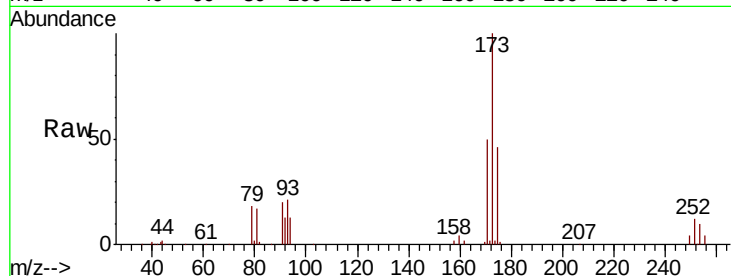
173 100

175 47.6 24.1 72.2

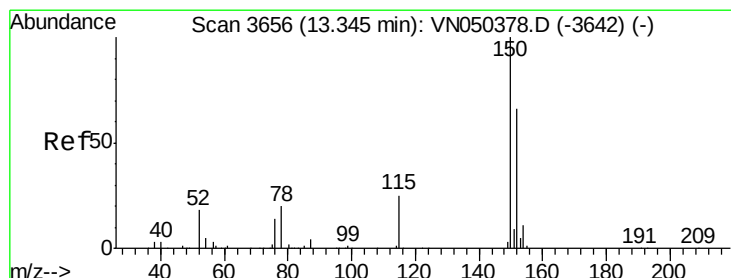
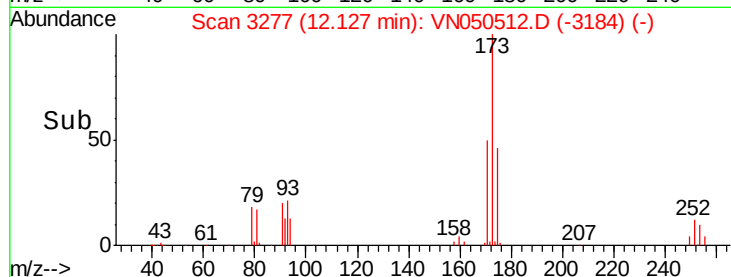
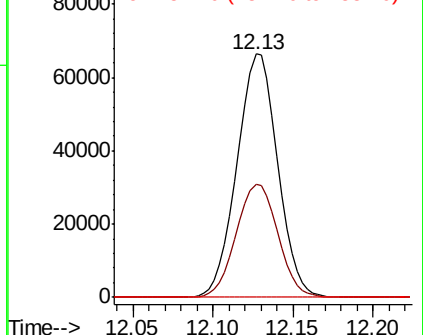
254 0.1 0.2 0.2#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

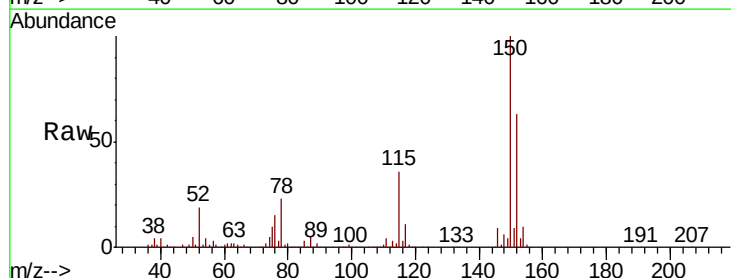
Tgt Ion:152 Resp: 451928

Ion Ratio Lower Upper

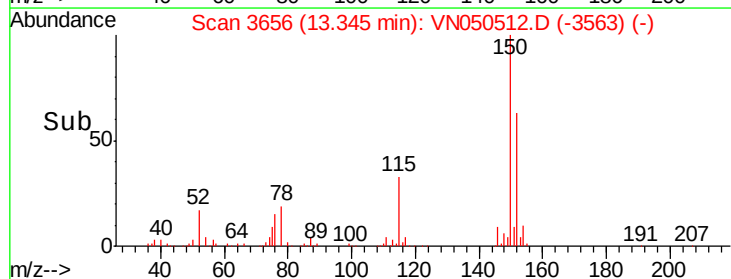
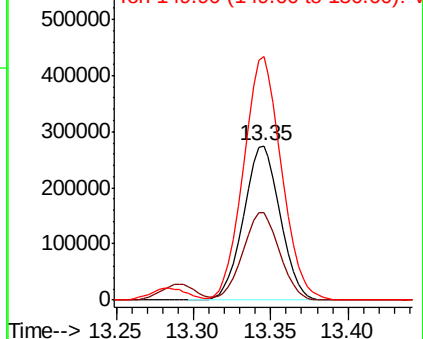
152 100

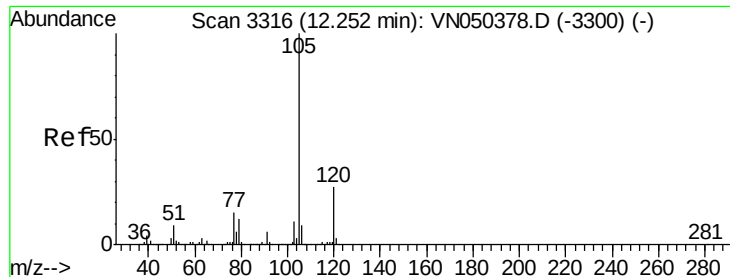
115 56.8 27.8 83.3

150 164.3 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.58 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBSD01

Tot Ion: 105 Resp: 731933

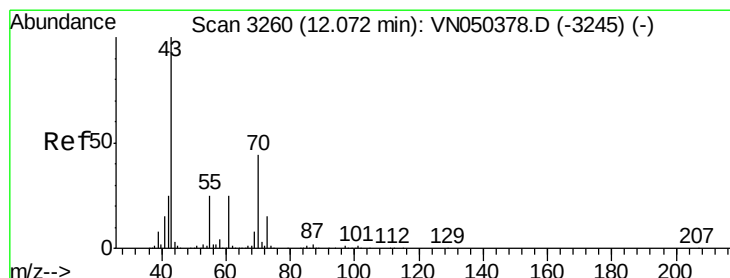
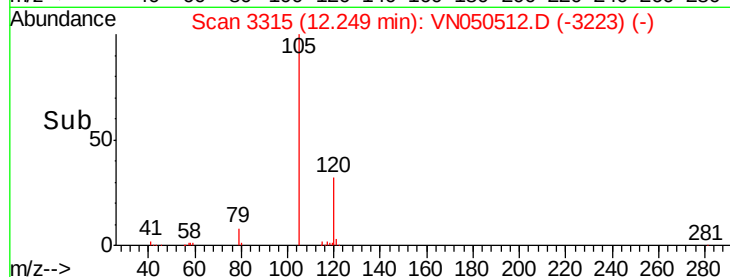
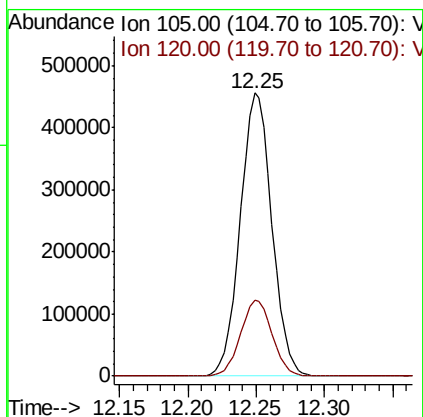
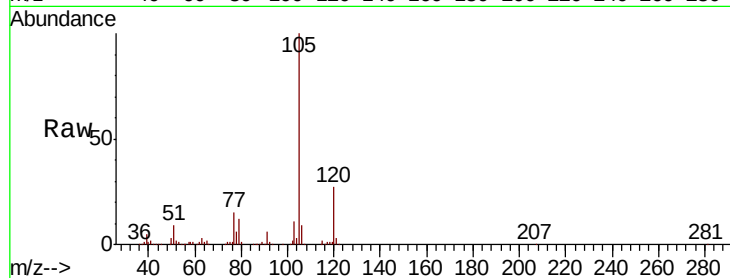
Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 17.23 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Tgt Ion: 43 Resp: 189455

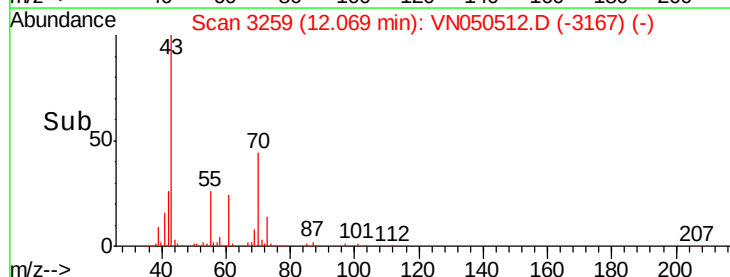
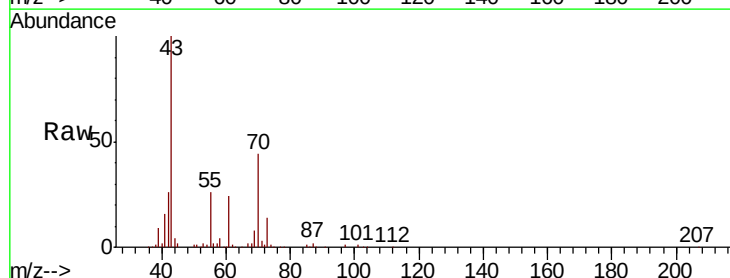
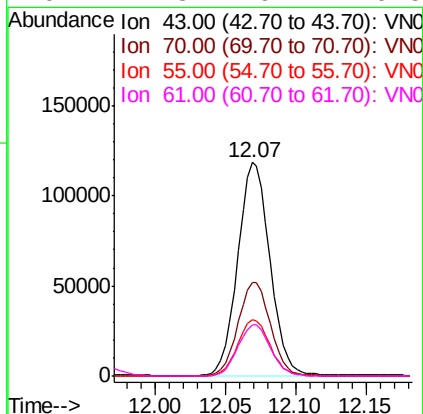
Ion Ratio Lower Upper

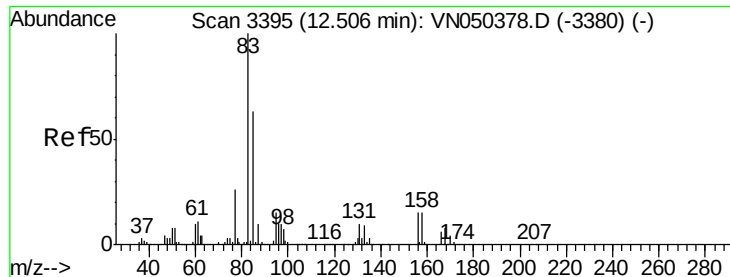
43 100

70 44.3 34.4 51.6

55 26.9 20.8 31.2

61 24.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.27 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

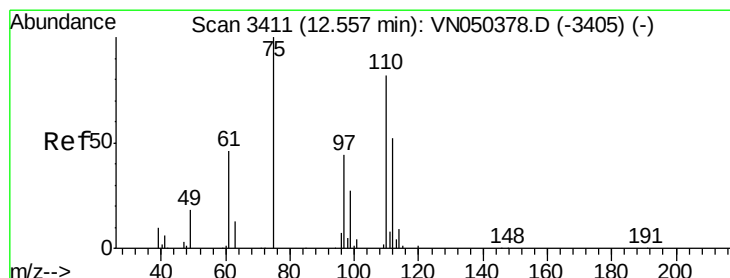
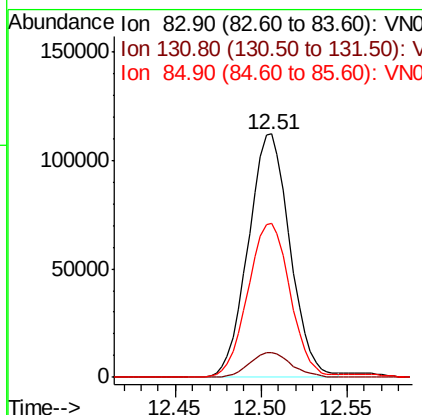
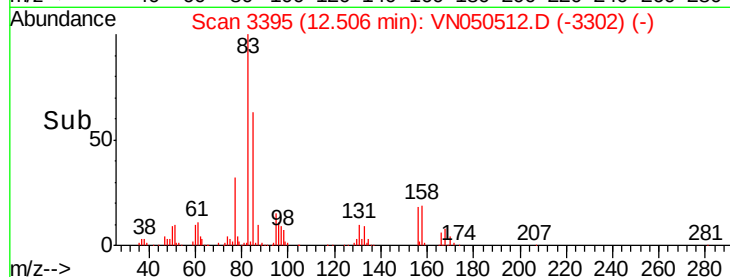
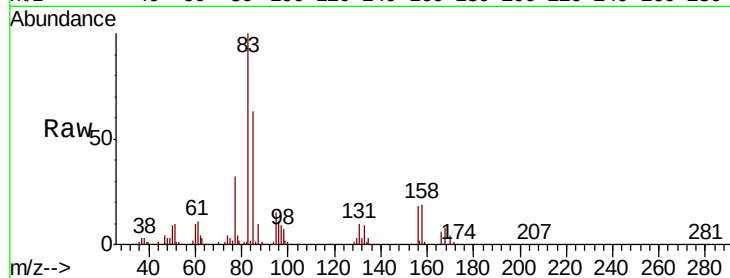
ClientSampleId :

VN0810WBSD01

Tot Ion:	83	Resp:	188619
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.3
85	64.0	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.17 ug/l m

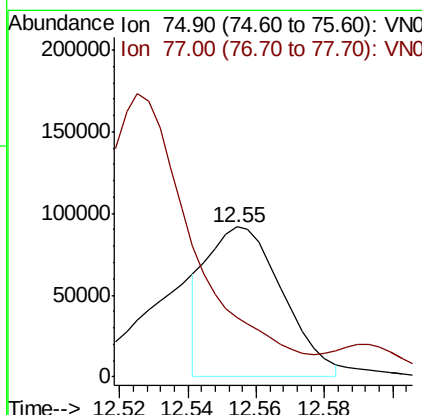
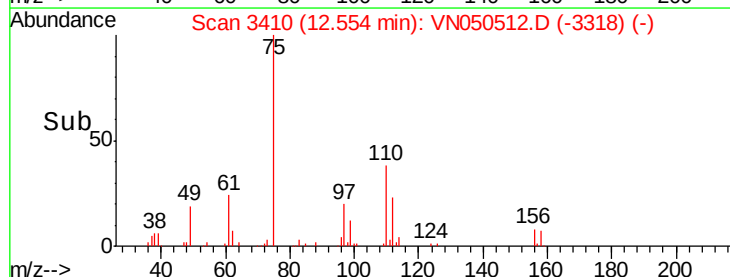
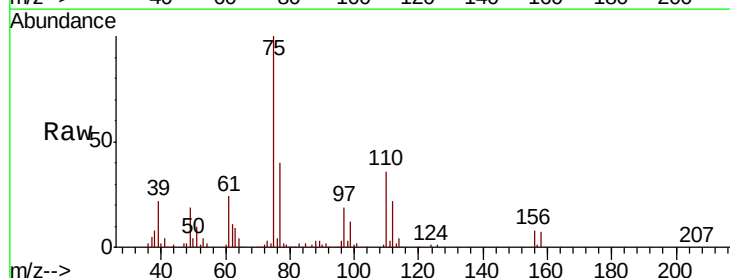
RT: 12.55 min Scan# 3410

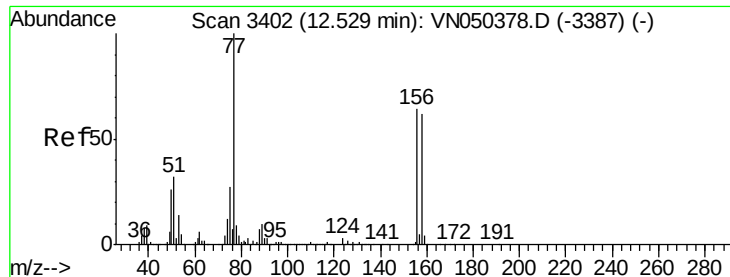
Delta R.T. -0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Tgt Ion:	75	Resp:	140477
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.02 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

ClientSampled :

VN0810WBSD01

Tot Ion:156 Resp: 191044

Ion Ratio Lower Upper

156 100

77 179.5 91.7 275.1

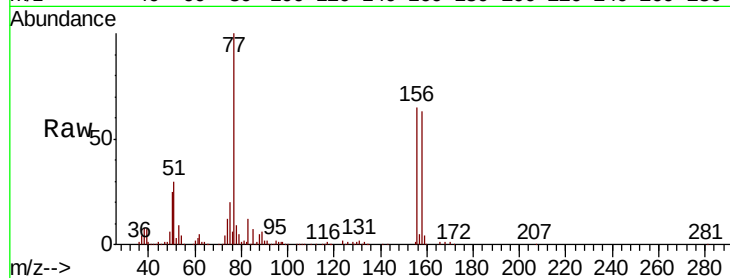
158 98.4 48.9 146.6

Manual Integrations

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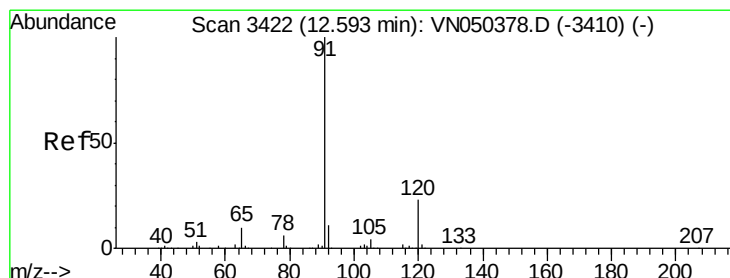
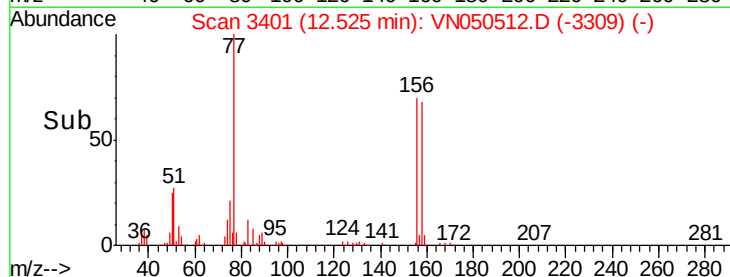
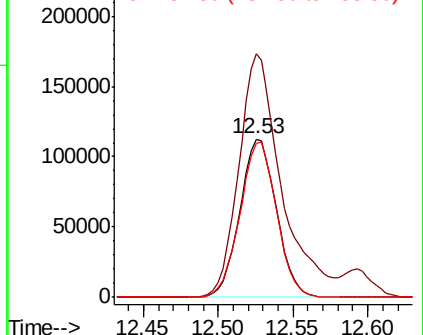
8/13/2018 11:05:38 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.42 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050512.D

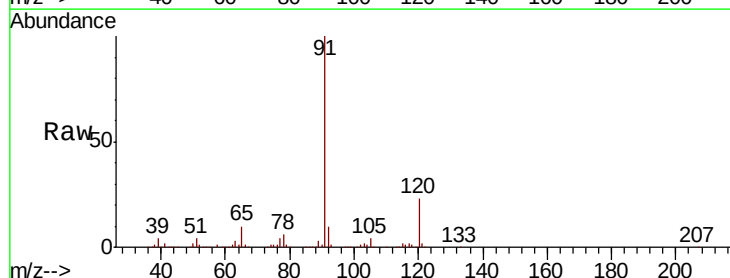
Acq: 10 Aug 2018 12:54

Tgt Ion: 91 Resp: 822604

Ion Ratio Lower Upper

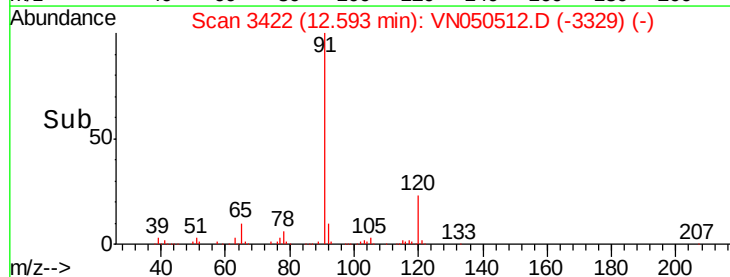
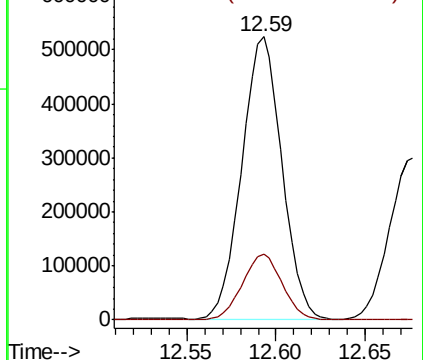
91 100

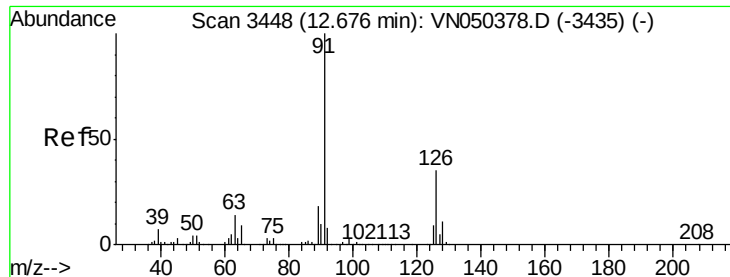
120 23.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.11 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

ClientSampled :

VN0810WBSD01

Tot Ion: 91 Resp: 500679

Ion Ratio Lower Upper

91 100

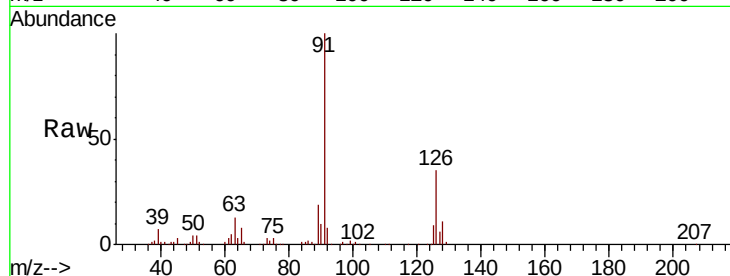
126 35.8 17.6 52.8

Manual Integrations

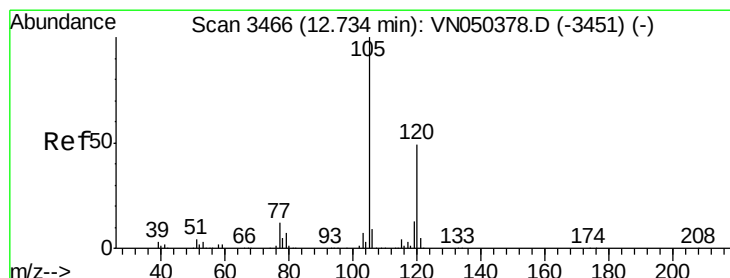
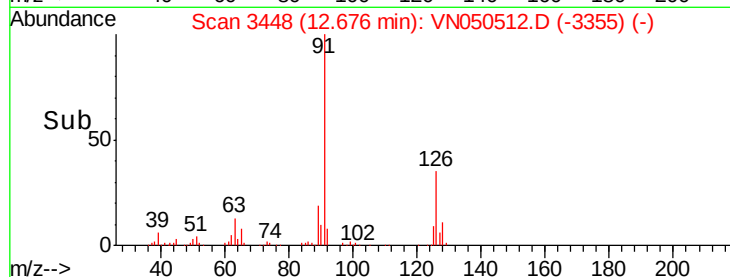
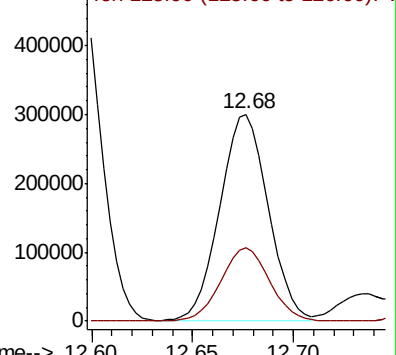
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Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.61 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050512.D

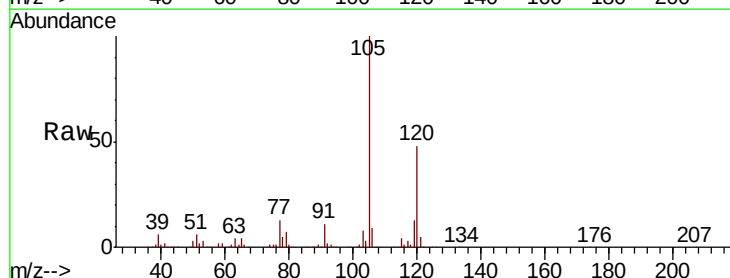
Acq: 10 Aug 2018 12:54

Tgt Ion: 105 Resp: 595237

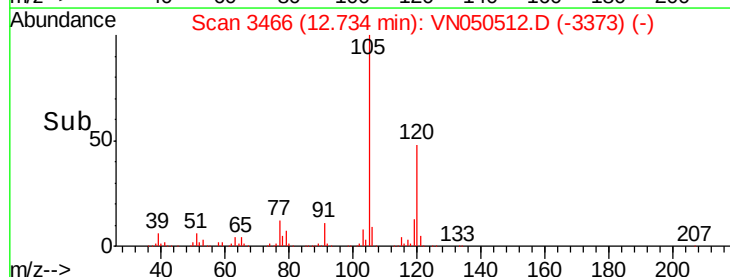
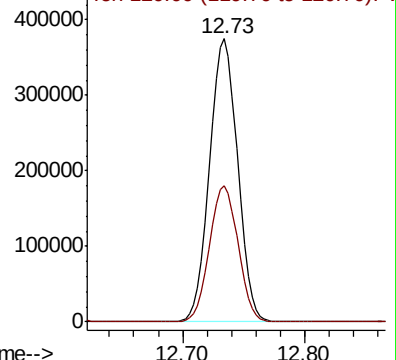
Ion Ratio Lower Upper

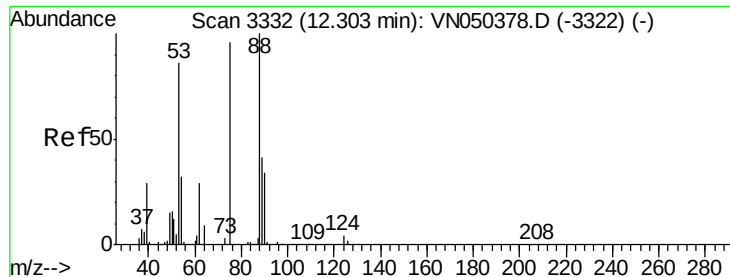
105 100

120 49.0 24.4 73.2



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.66 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

ClientSampled :

VN0810WBSD01

Tot Ion: 75 Resp: 43452

Ion Ratio Lower Upper

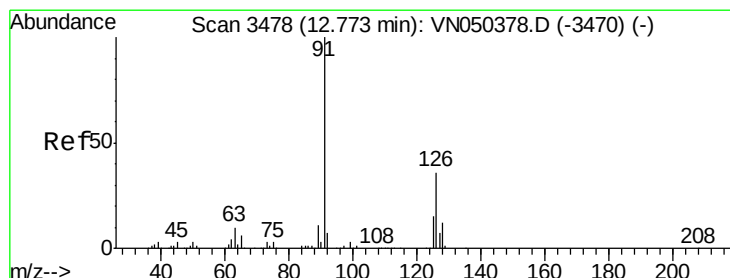
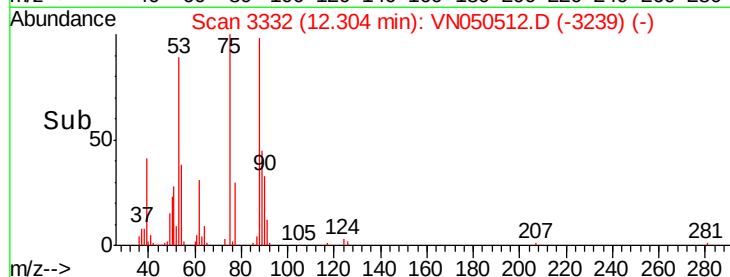
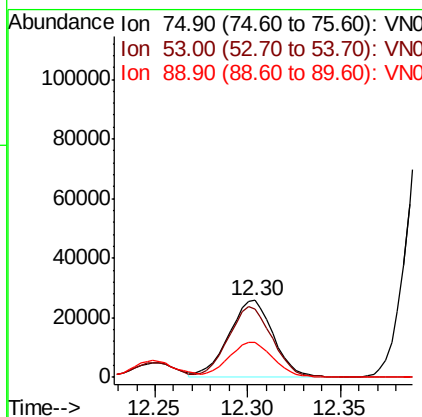
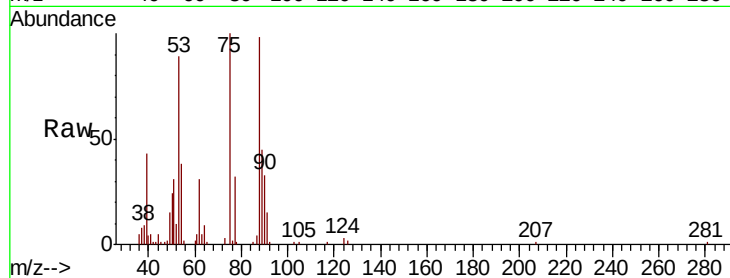
75 100

53 90.7 73.5 110.3

89 45.1 36.0 54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.38 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050512.D

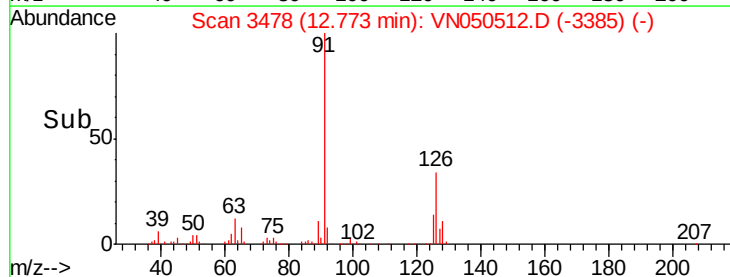
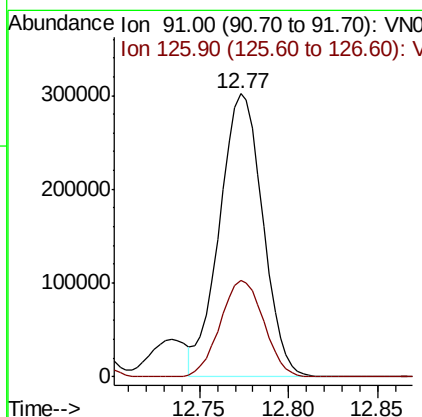
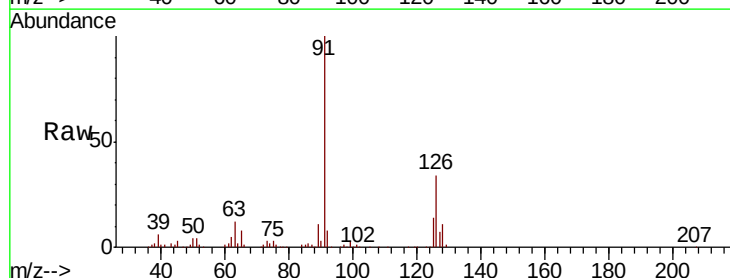
Acq: 10 Aug 2018 12:54

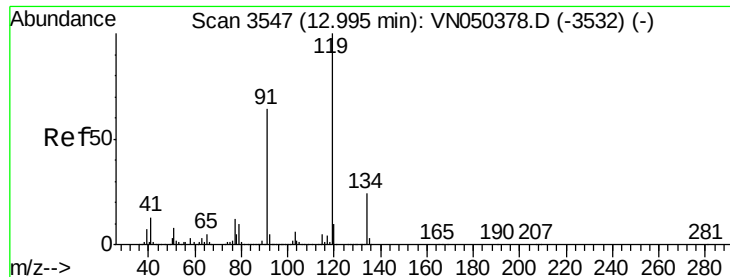
Tgt Ion: 91 Resp: 505629

Ion Ratio Lower Upper

91 100

126 34.5 17.0 51.0





#83

tert-Butylbenzene

Concen: 20.98 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

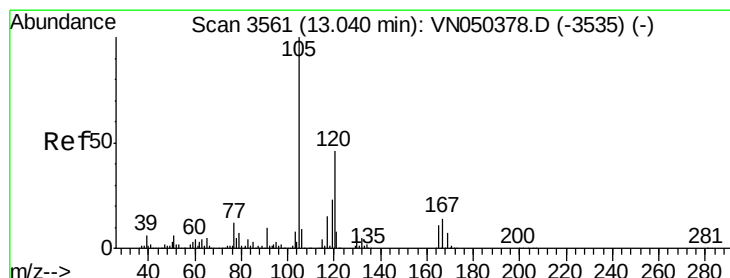
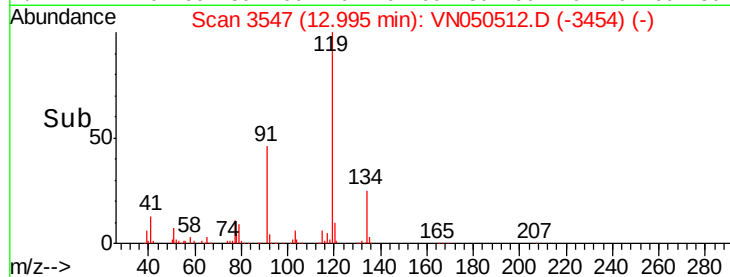
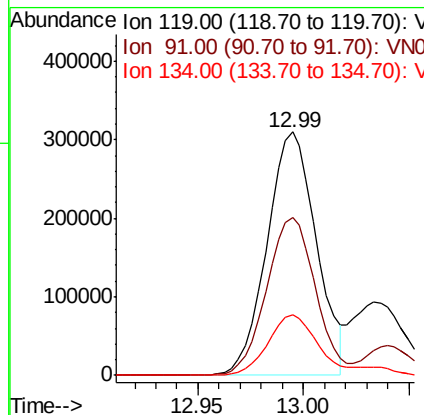
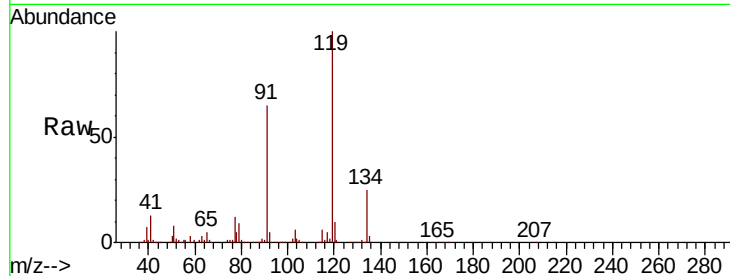
ClientSampleId :

VN0810WBSD01

Tot Ion:	119	Resp:	504091
Ion Ratio	Lower	Upper	
119	100		
91	64.1	32.1	96.3
134	27.4	13.2	39.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.93 ug/l

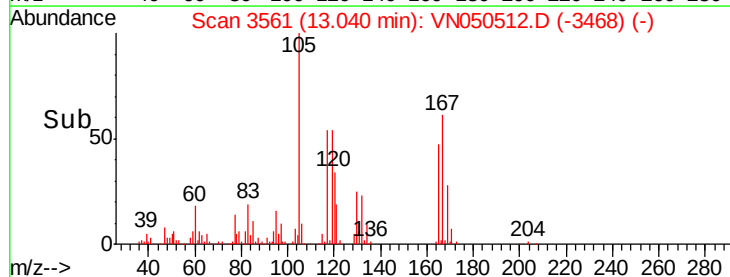
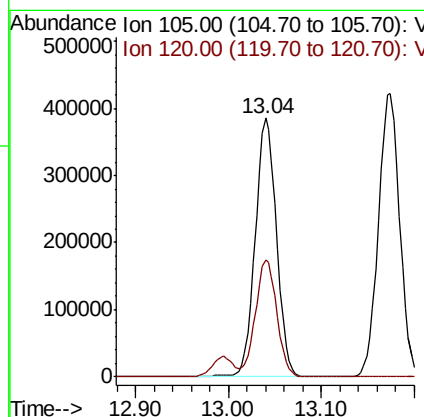
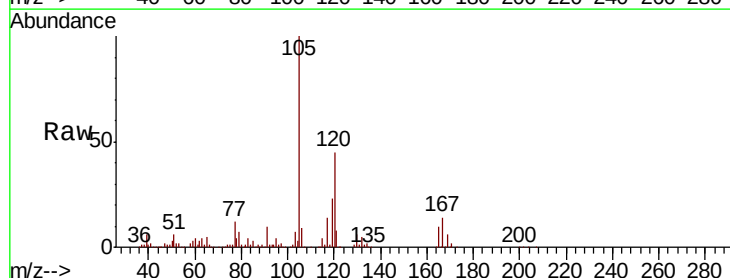
RT: 13.04 min Scan# 3561

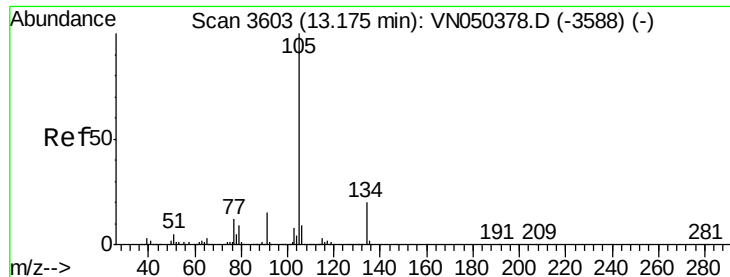
Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Tgt Ion:	105	Resp:	611855
Ion Ratio	Lower	Upper	
105	100		
120	45.6	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.81 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBSD01

Tot Ion:105 Resp: 666468

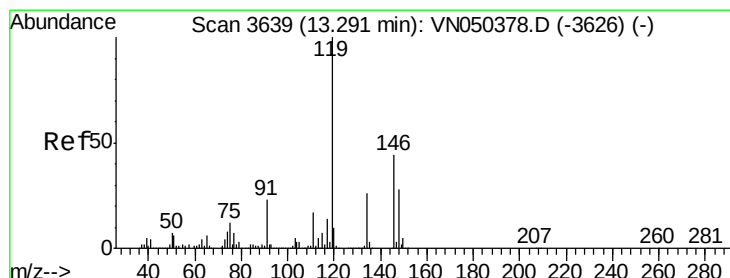
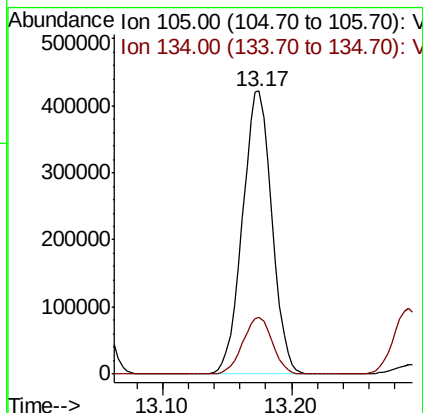
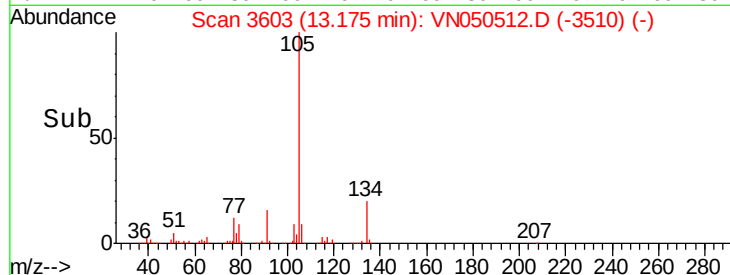
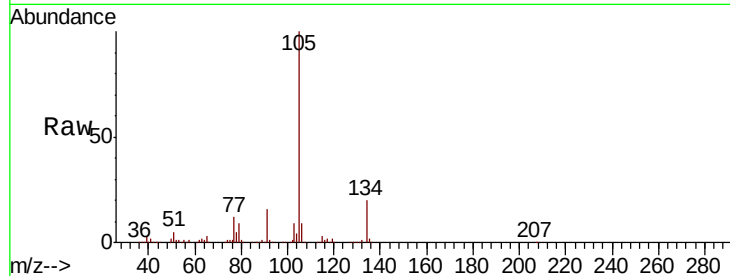
Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 20.76 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

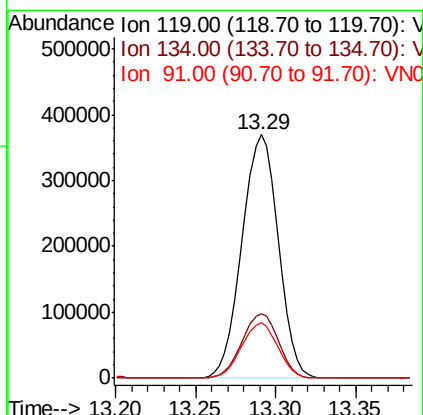
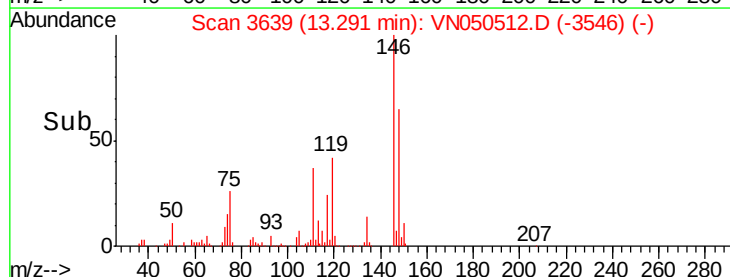
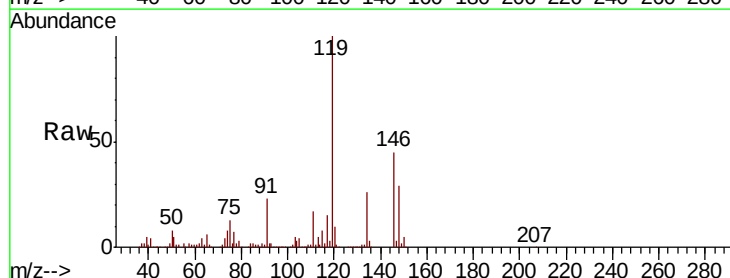
Tgt Ion:119 Resp: 569596

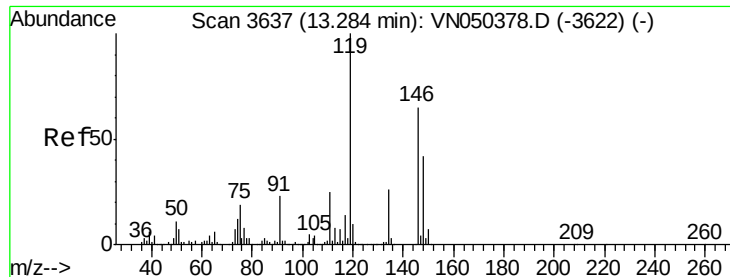
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 22.7 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 20.47 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

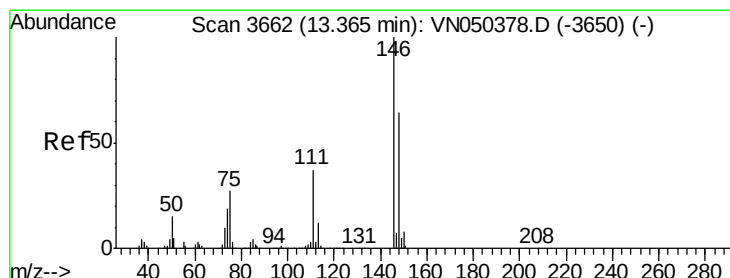
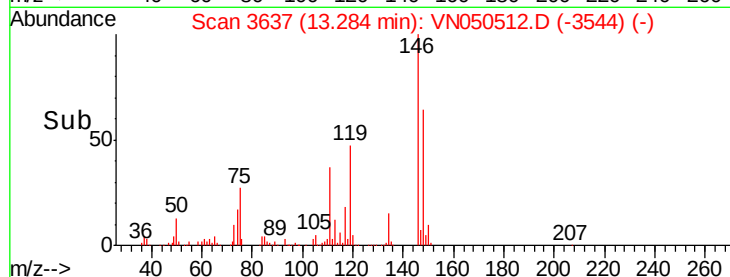
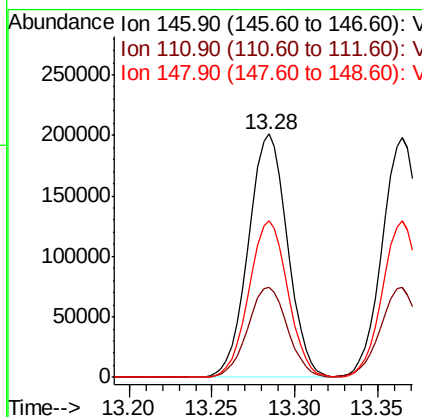
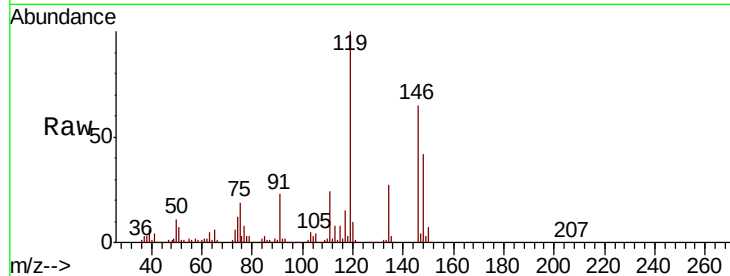
ClientSampleId :

VN0810WBSD01

Tot Ion:	146	Resp:	331408
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.8	56.4
148	64.0	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.81 ug/l

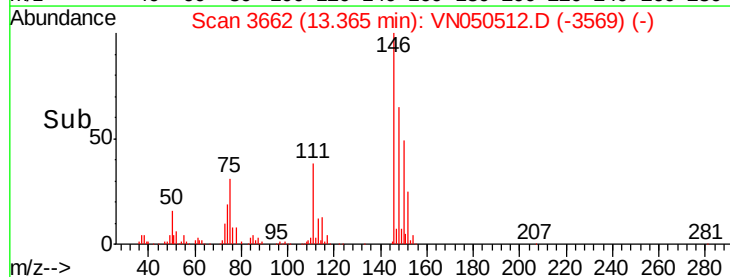
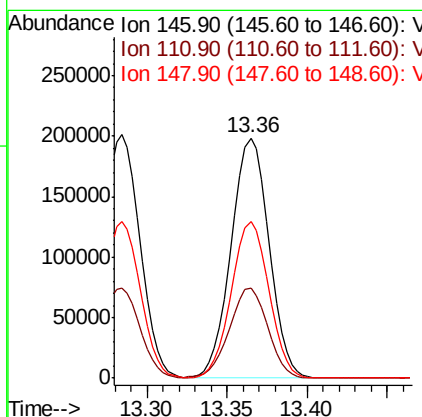
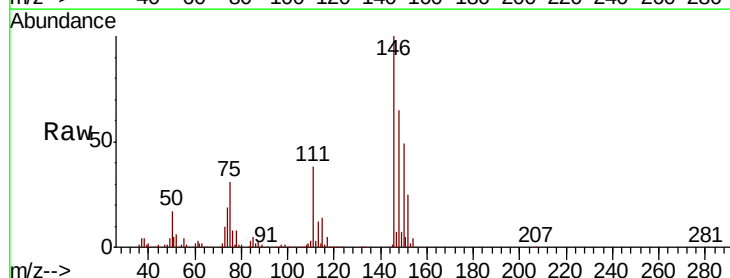
RT: 13.36 min Scan# 3662

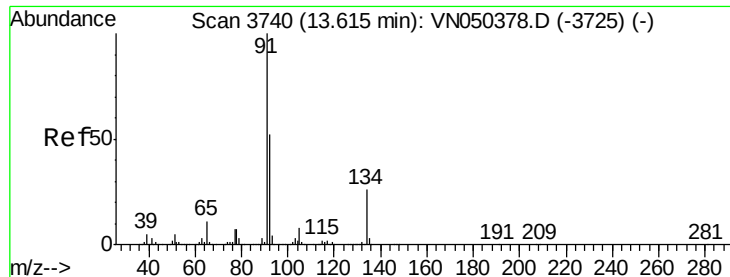
Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Tgt Ion:	146	Resp:	320274
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.3	54.9
148	64.8	31.9	95.9





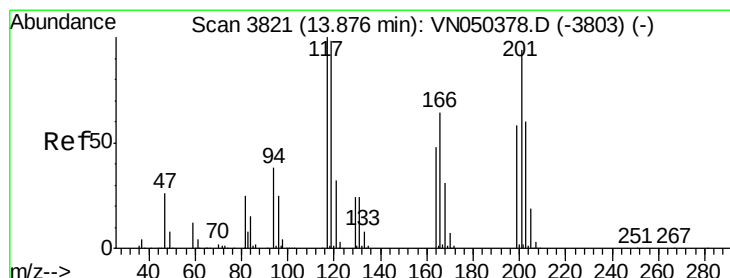
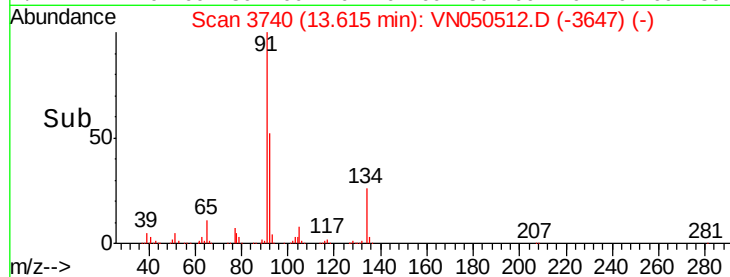
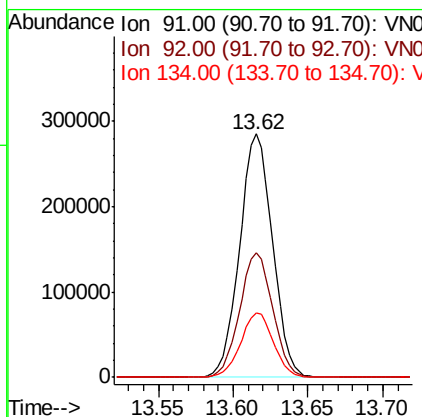
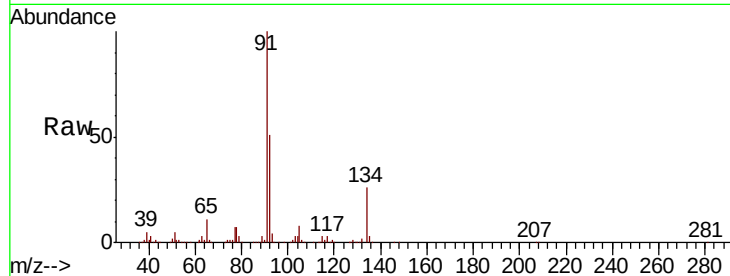
#89
n-Butylbenzene
Concen: 18.70 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Instrument :
MSVOA_N
ClientSampled :
VN0810WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.8	77.4
134	26.2	12.8	38.4

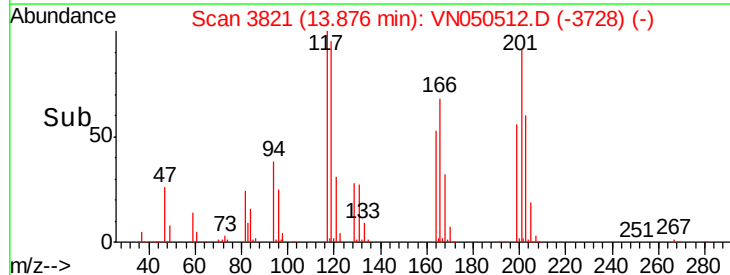
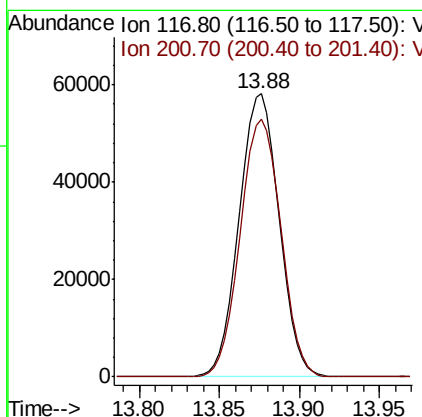
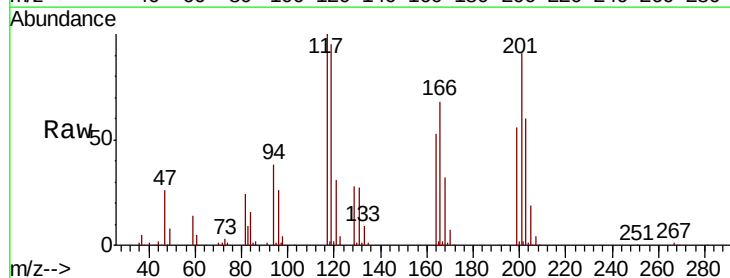
Manual Integrations
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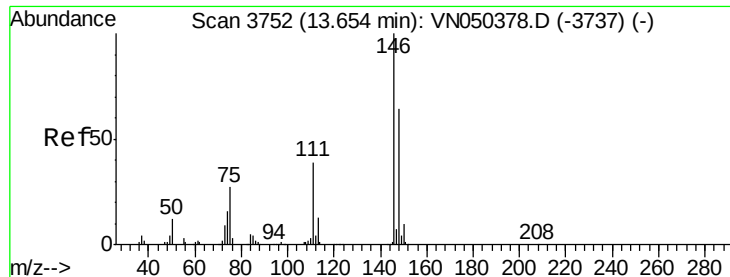
MMDadoda
8/13/2018 11:05:38 AM



#90
Hexachloroethane
Concen: 20.34 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050512.D
Acq: 10 Aug 2018 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.5	45.6	136.8





#91

1,2-Dichlorobenzene

Concen: 19.97 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

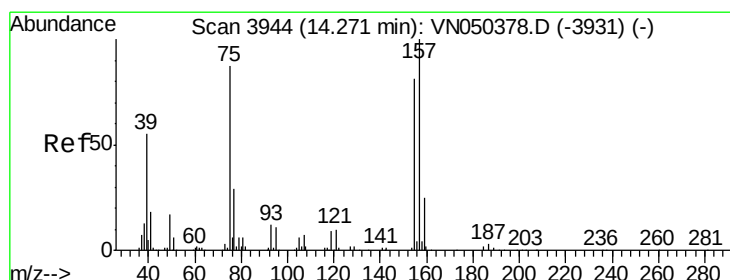
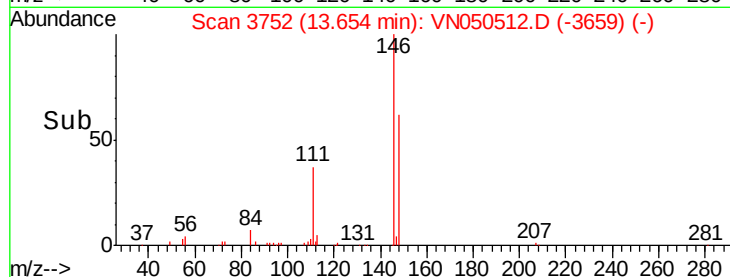
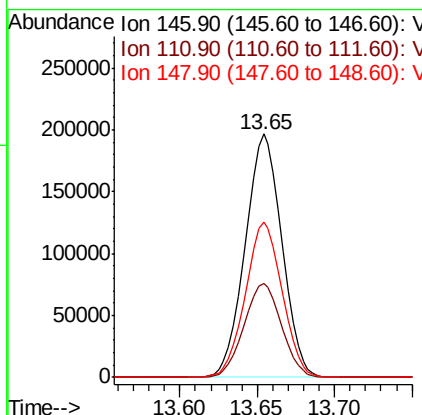
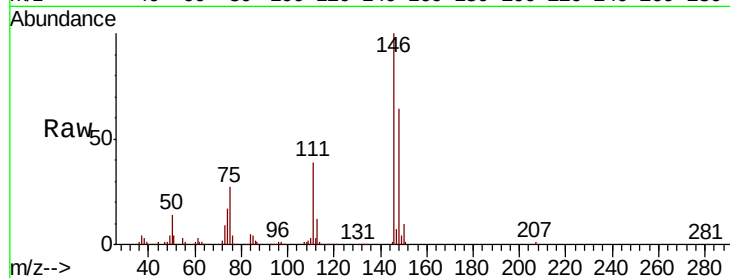
ClientSampleId :

VN0810WBSD01

Tot Ion:	146	Resp:	323990
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.6	58.7
148	63.9	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 15.41 ug/l

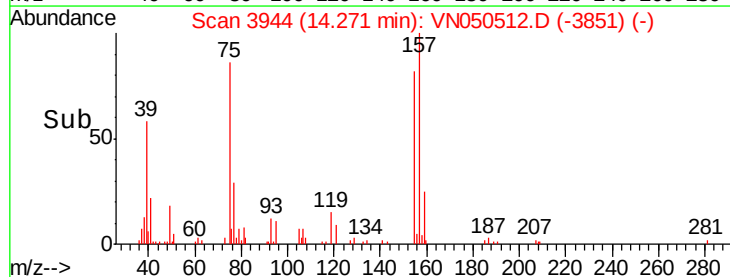
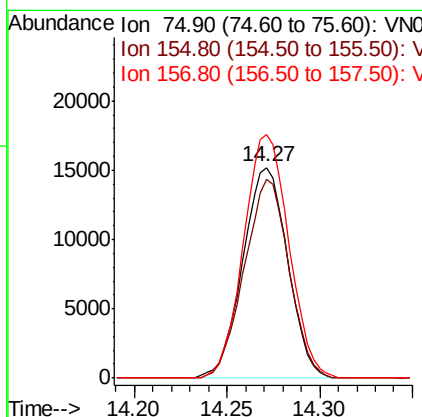
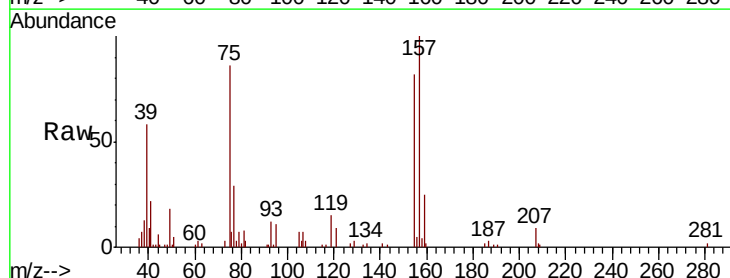
RT: 14.27 min Scan# 3944

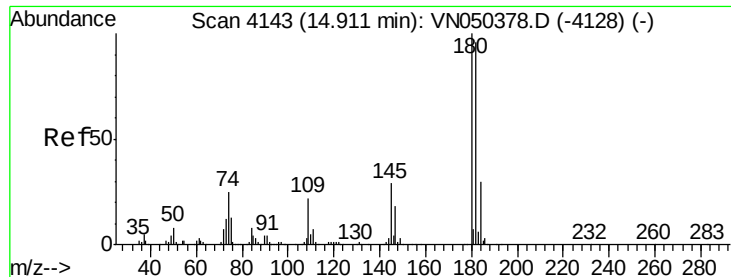
Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Tgt Ion:	75	Resp:	25601
Ion Ratio	Lower	Upper	
75	100		
155	94.1	44.8	134.4
157	116.8	57.2	171.6





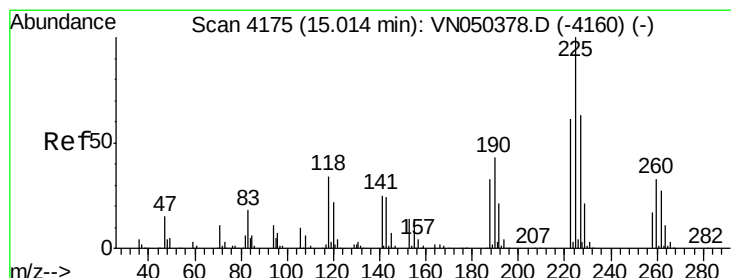
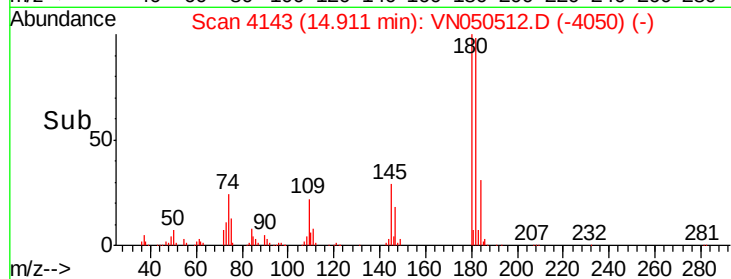
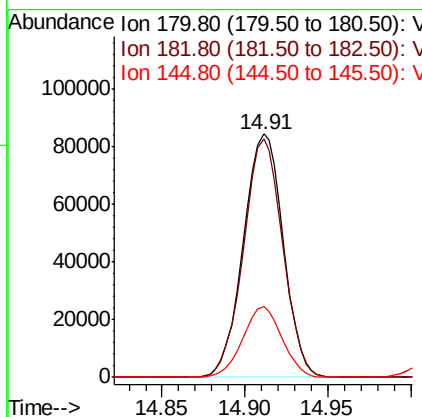
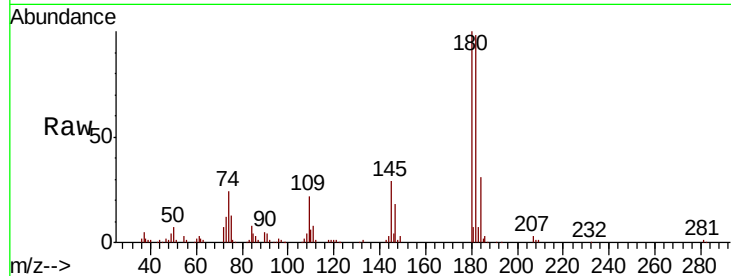
#93
 1,2,4-Trichlorobenzene
 Concen: 17.08 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050512.D
 Acq: 10 Aug 2018 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBSD01

Tot Ion:	180	Resp:	141141
Ion Ratio	Lower	Upper	
180	100		
182	96.6	46.7	140.1
145	28.7	13.8	41.4

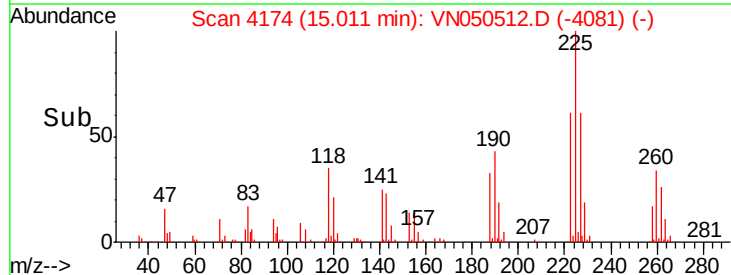
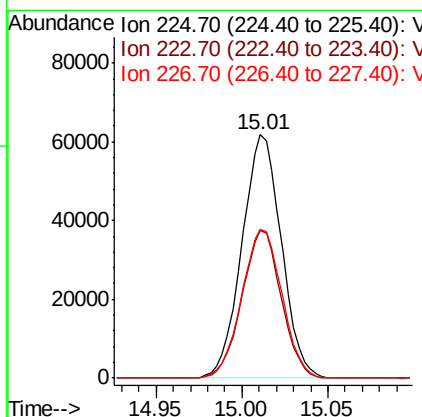
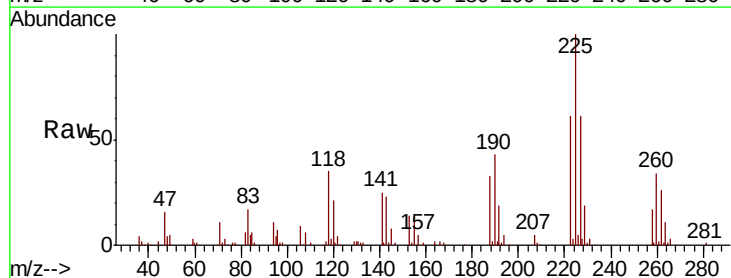
Manual Integrations
 APPROVED

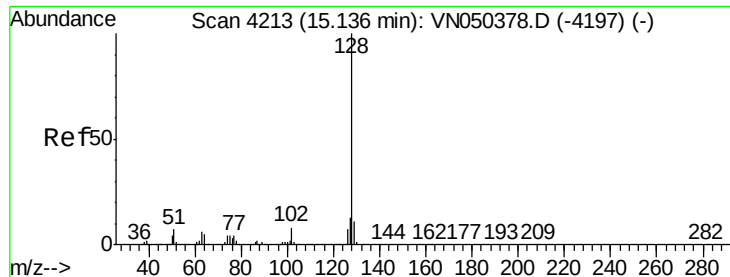
MMDadoda
 8/13/2018 11:05:38 AM



#94
 Hexachlorobutadiene
 Concen: 20.77 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050512.D
 Acq: 10 Aug 2018 12:54

Tgt Ion:	225	Resp:	98120
Ion Ratio	Lower	Upper	
225	100		
223	60.3	31.4	94.2
227	62.3	32.1	96.5





#95

Naphthalene

Concen: 15.73 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Instrument :

MSVOA_N

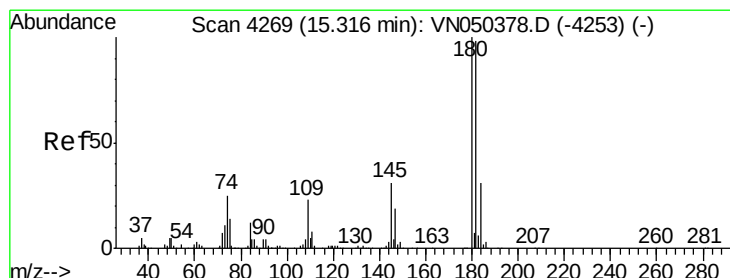
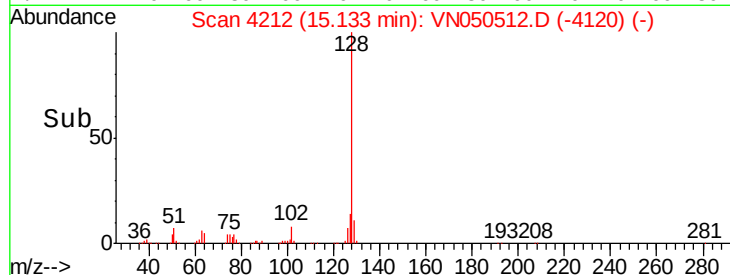
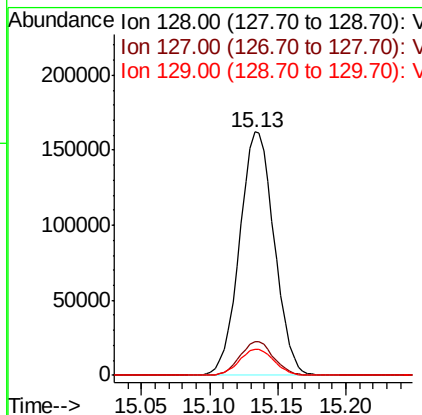
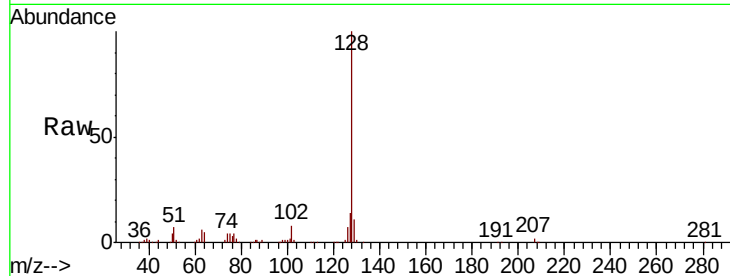
ClientSampled :

VN0810WBSD01

Tot Ion:	128	Resp:	285790
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/13/2018 11:05:38 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.79 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050512.D

Acq: 10 Aug 2018 12:54

Tgt Ion:	180	Resp:	140310
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.1	144.4
145	30.3	15.3	45.9

