

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049225.D
 Acq On : 14 Jun 2018 14:07
 Operator : MD\SY
 Sample : VN0614WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/15/2018 1:15:22 PM

Quant Time: Jun 15 04:31:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 05:15:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	926923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1494308	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1347478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	624390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	761489	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	7.59	113	625475	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.09	98	2410649	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.40	95	770272	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	245240	18.368	ug/l	100
3) Chloromethane	2.06	50	243506	17.849	ug/l	99
4) Vinyl Chloride	2.18	62	244237	17.459	ug/l	98
5) Bromomethane	2.57	94	91891	10.749	ug/l	96
6) Chloroethane	2.70	64	161732	17.120	ug/l	99
7) Trichlorofluoromethane	3.01	101	358830	18.218	ug/l	97
8) Diethyl Ether	3.41	74	99159	13.557	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	169918	13.327	ug/l	99
10) Methyl Iodide	3.95	142	93414	7.535	ug/l	100
11) Tert butyl alcohol	4.80	59	60871	74.612	ug/l	100
12) 1,1-Dichloroethene	3.73	96	155511	13.432	ug/l	97
13) Acrolein	3.61	56	65079	58.588	ug/l	97
14) Allyl chloride	4.32	41	268288	12.340	ug/l	98
15) Acrylonitrile	4.99	53	297844	67.829	ug/l	98
16) Acetone	3.82	43	231007	64.594	ug/l	96
17) Carbon Disulfide	4.05	76	495247	12.539	ug/l	100
18) Methyl Acetate	4.33	43	165663	14.001	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	465570	14.759	ug/l	100
20) Methylene Chloride	4.55	84	195208	13.441	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	171618	13.372	ug/l	99
22) Diisopropyl ether	5.96	45	691345	15.931	ug/l	99
23) Vinyl Acetate	5.90	43	2003237	69.833	ug/l	99
24) 1,1-Dichloroethane	5.85	63	362704	14.025	ug/l	99
25) 2-Butanone	6.84	43	498802	97.405	ug/l	98
26) 2,2-Dichloropropane	6.82	77	207686	10.710	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	272445	19.492	ug/l	94
28) Bromochloromethane	7.20	49	240999	19.635	ug/l	98
29) Tetrahydrofuran	7.22	42	343177	104.168	ug/l	98
30) Chloroform	7.37	83	478584	19.260	ug/l	98
31) Cyclohexane	7.66	56	450199	20.002	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	407363	19.033	ug/l	98
36) 1,1-Dichloropropene	7.79	75	368256	19.725	ug/l	99
37) Ethyl Acetate	6.94	43	237151	20.122	ug/l	99
38) Carbon Tetrachloride	7.77	117	356228	18.940	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	362793	18.811	ug/l	98
40) Benzene	8.04	78	1095287	19.363	ug/l	99
41) Methacrylonitrile	7.17	41	135453	20.315	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	356365	19.090	ug/l	97
43) Isopropyl Acetate	8.17	43	448319	20.689	ug/l	98
44) Trichloroethene	8.84	130	271568	19.227	ug/l	98
45) 1,2-Dichloropropane	9.12	63	303061	19.479	ug/l	97
46) Dibromomethane	9.21	93	164420	19.129	ug/l	97
47) Bromodichloromethane	9.40	83	364627	18.834	ug/l	98
48) Methyl methacrylate	9.20	41	194901	18.407	ug/l	91
49) 1,4-Dioxane	9.20	88	48810	390.353	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1144285	99.153	ug/l	98
52) Toluene	10.16	92	648121	19.693	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	317490	17.249	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	370946	17.391	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	231965	19.206	ug/l	98
56) Ethyl methacrylate	10.43	69	285991	19.642	ug/l	94
57) 1,3-Dichloropropane	10.71	76	405758	19.591	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	447208	89.785	ug/l	100
59) 2-Hexanone	10.75	43	706059	98.186	ug/l	98
60) Dibromochloromethane	10.90	129	252186	18.828	ug/l	100
61) 1,2-Dibromoethane	11.01	107	222041	19.878	ug/l	97
64) Tetrachloroethene	10.63	164	299277	22.167	ug/l	99
65) Chlorobenzene	11.44	112	672779	19.354	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	251102	18.991	ug/l	99
67) Ethyl Benzene	11.51	91	1190402	19.850	ug/l	97
68) m/p-Xylenes	11.62	106	897699	40.935	ug/l	99
69) o-Xylene	11.95	106	431141	20.415	ug/l	97
70) Styrene	11.97	104	687534	20.563	ug/l	98
71) Bromoform	12.13	173	158540	19.184	ug/l #	99
73) Isopropylbenzene	12.25	105	1143003	19.059	ug/l	99
74) N-amyl acetate	12.07	43	313238	18.335	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	277592	21.017	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	228341m	20.744	ug/l	
77) Bromobenzene	12.53	156	272722	20.560	ug/l	97
78) n-propylbenzene	12.59	91	1301004	19.528	ug/l	99
79) 2-Chlorotoluene	12.68	91	799102	19.019	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	929054	20.204	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	55499	14.851	ug/l	95
82) 4-Chlorotoluene	12.78	91	782761	19.641	ug/l	100
83) tert-Butylbenzene	12.99	119	764827	19.308	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	934229	20.440	ug/l	100
85) sec-Butylbenzene	13.17	105	1041684	19.725	ug/l	99
86) p-Isopropyltoluene	13.29	119	842282	19.693	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	459728	19.594	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	436595	18.893	ug/l	98
89) n-Butylbenzene	13.62	91	648096	18.329	ug/l	99
90) Hexachloroethane	13.88	117	172146	18.837	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	452575	19.609	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39306	18.842	ug/l	95

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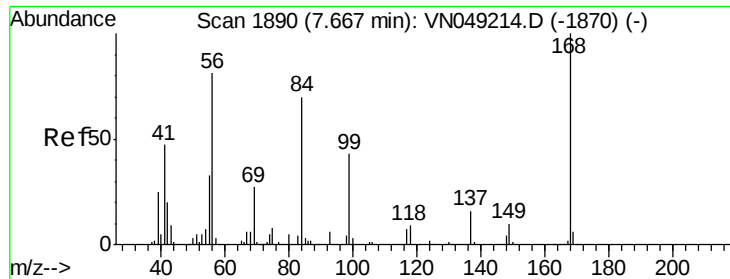
Manual Integrations
APPROVED

MMDadoda
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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)
93) 1,2,4-Trichlorobenzene	14.91	180	147639	17.971	ug/l	100
94) Hexachlorobutadiene	15.01	225	124020	17.769	ug/l	98
95) Naphthalene	15.14	128	328947	18.942	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	160403	17.598	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion:168 Resp: 926923

Ion Ratio Lower Upper

168 100

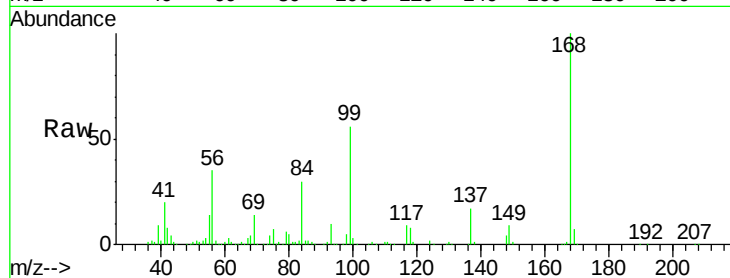
99 55.6 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

300000

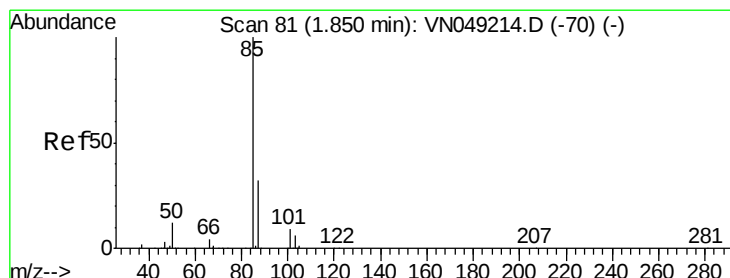
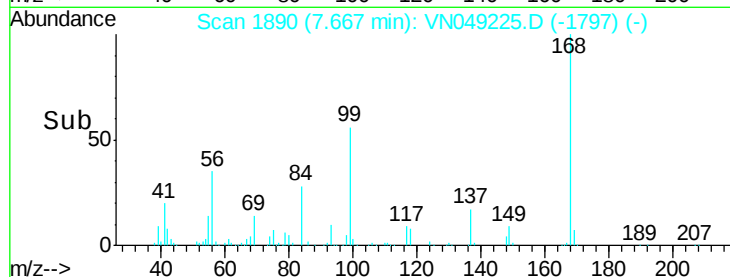
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.368 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049225.D

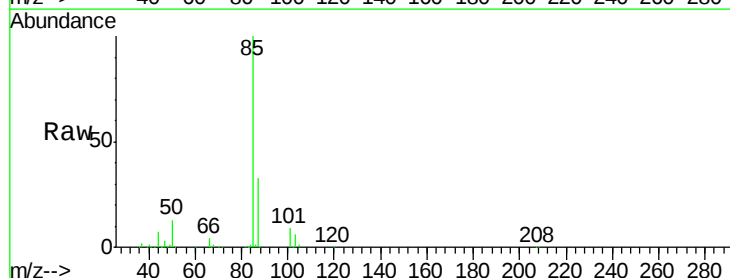
Acq: 14 Jun 2018 14:07

Tgt Ion: 85 Resp: 245240

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

200000

150000

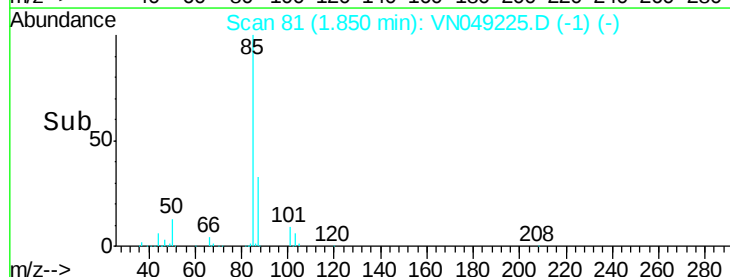
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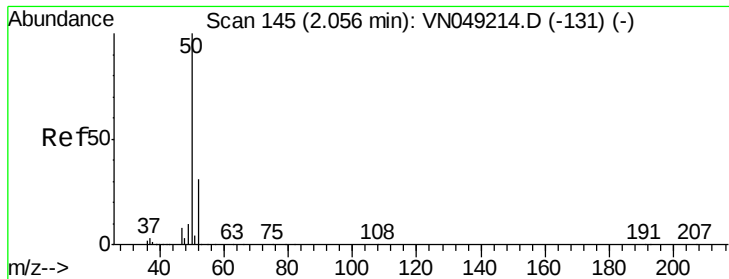
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.849 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 50 Resp: 243506

Ion Ratio Lower Upper

50 100

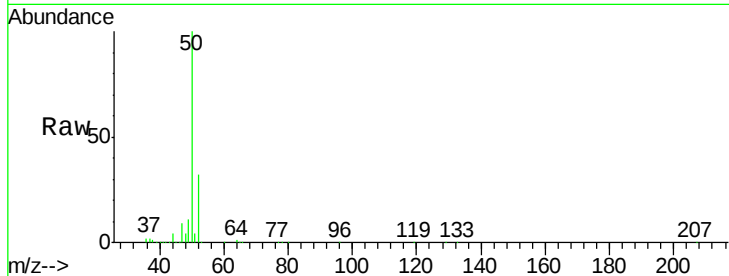
52 32.2 25.2 37.8

Manual Integrations

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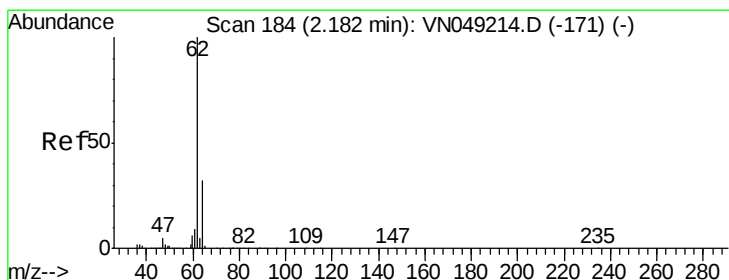
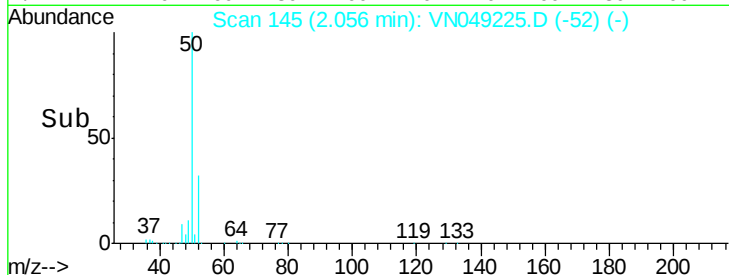
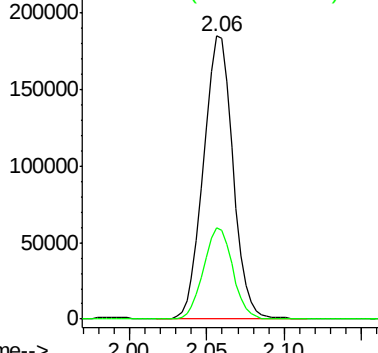
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.459 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049225.D

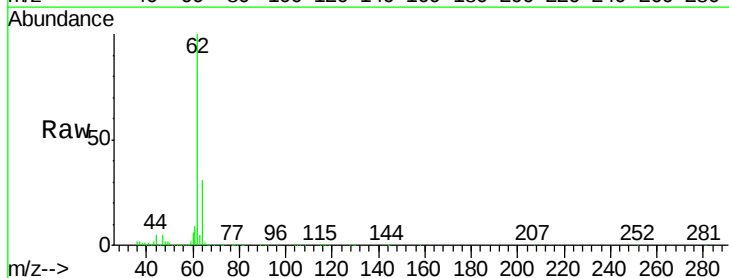
Acq: 14 Jun 2018 14:07

Tgt Ion: 62 Resp: 244237

Ion Ratio Lower Upper

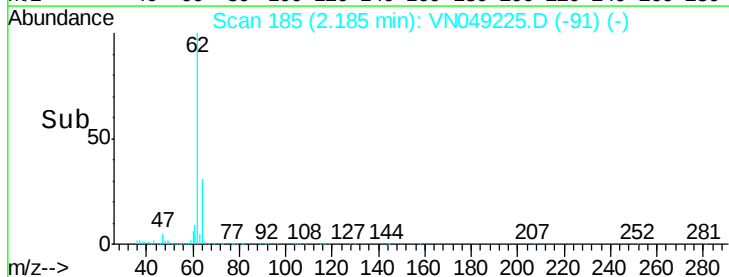
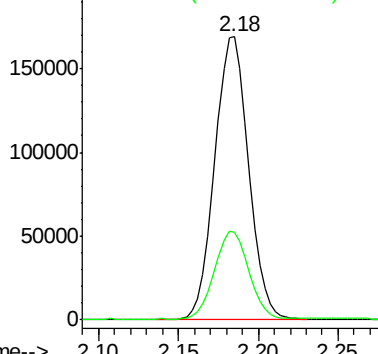
62 100

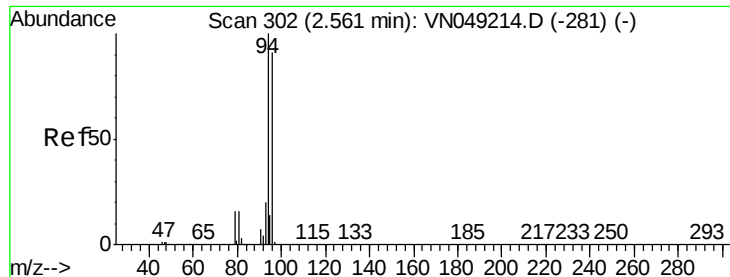
64 30.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 10.749 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 94 Resp: 91891

Ion Ratio Lower Upper

94 100

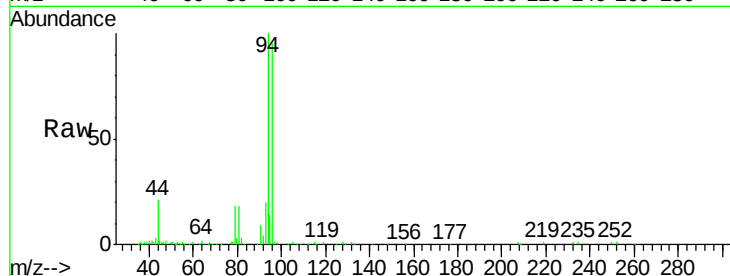
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Manual Integrations

APPROVED

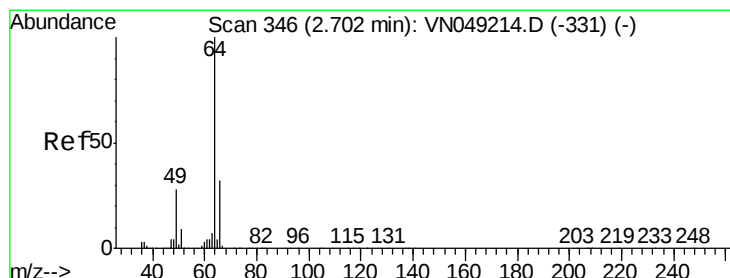
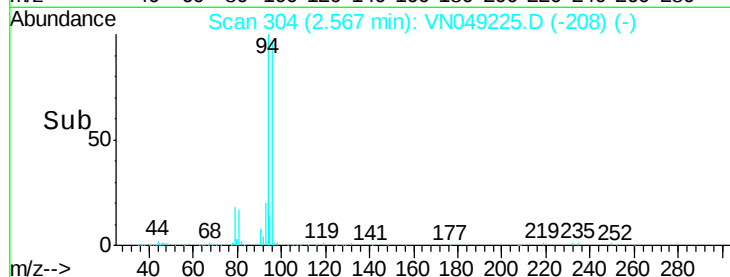
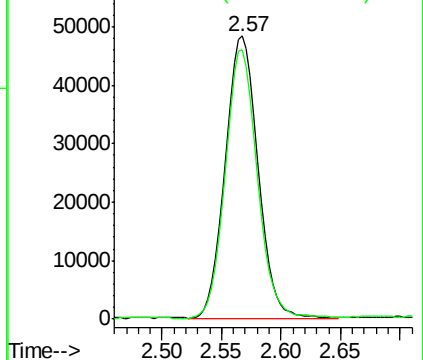
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.120 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049225.D

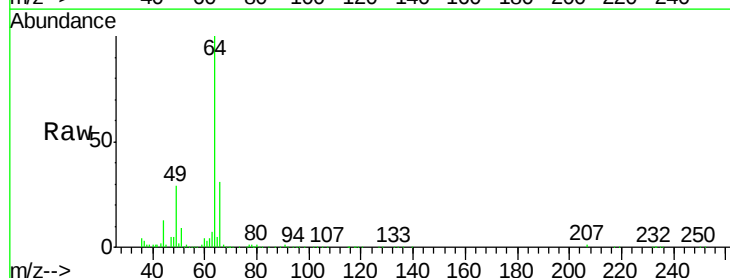
Acq: 14 Jun 2018 14:07

Tgt Ion: 64 Resp: 161732

Ion Ratio Lower Upper

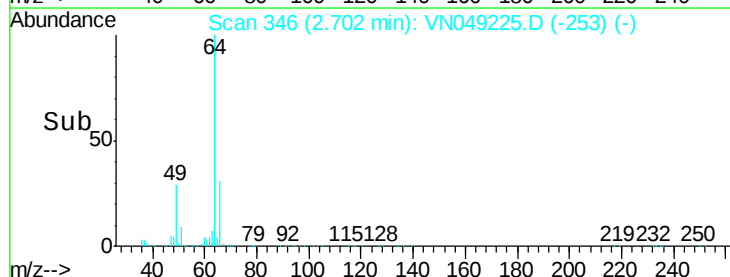
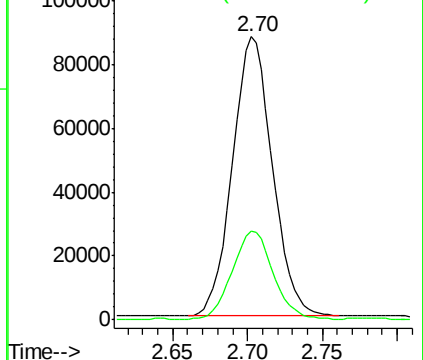
64 100

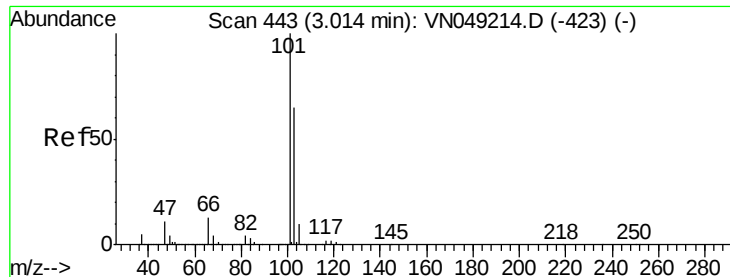
66 31.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

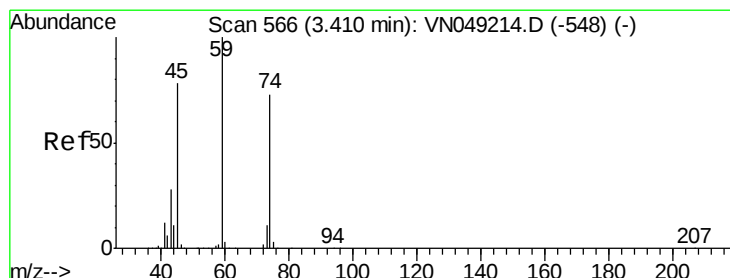
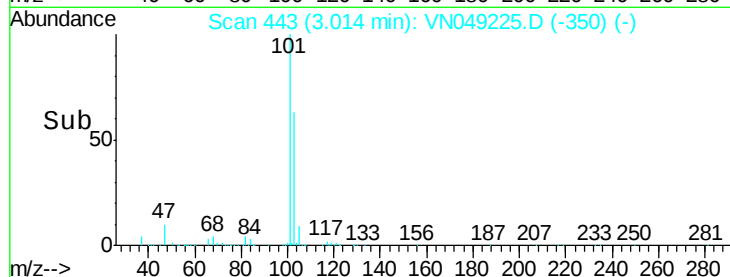
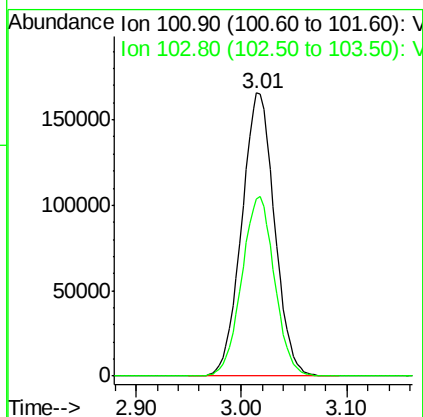
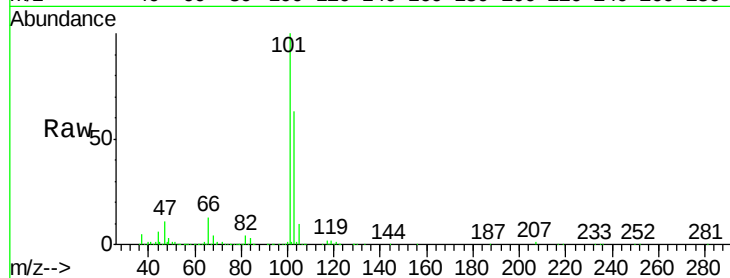
Trichlorofluoromethane
 Concen: 18.218 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN049225.D
 Acq: 14 Jun 2018 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.7	77.5

Manual Integrations
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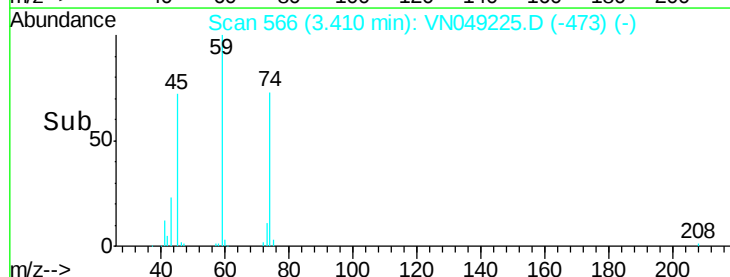
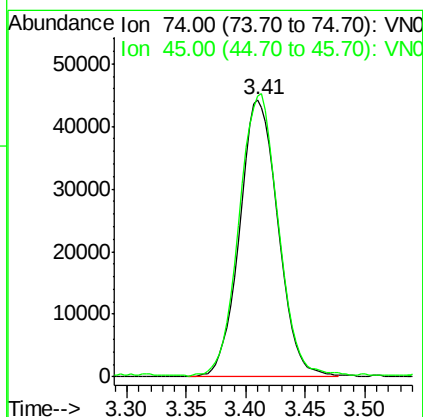
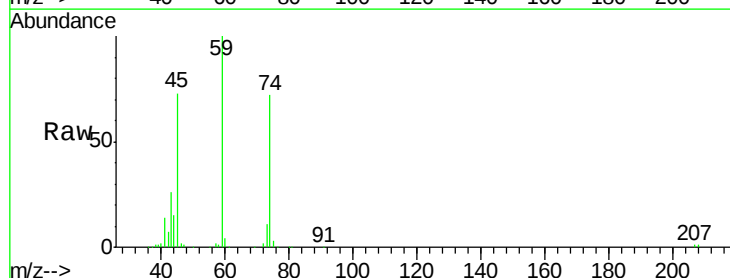
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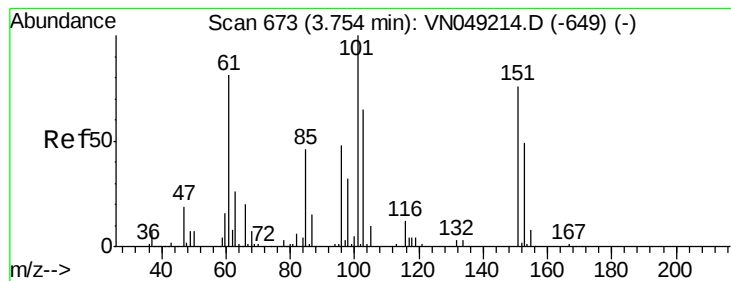


#8

Diethyl Ether
 Concen: 13.557 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049225.D
 Acq: 14 Jun 2018 14:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.4	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.327 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

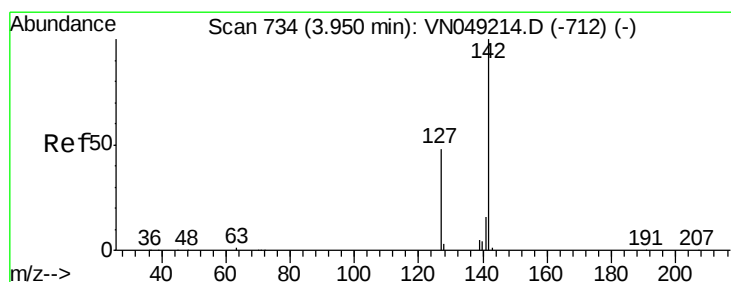
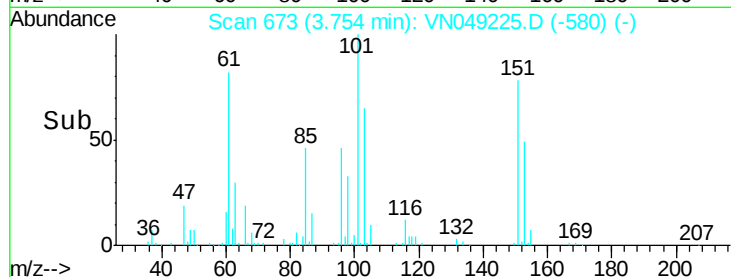
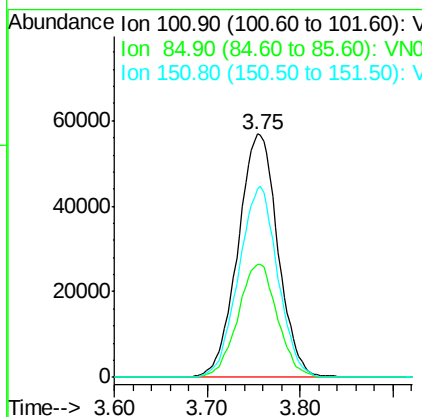
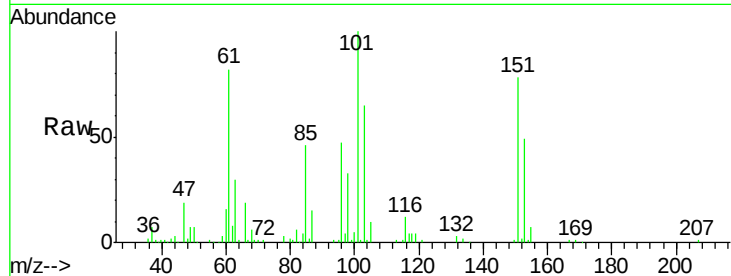
ClientSampleId :

VN0614WBS01

Tot Ion:	101	Resp:	169918
Ion Ratio	Lower	Upper	
101	100		
85	45.9	37.6	56.4
151	76.7	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 7.535 ug/l

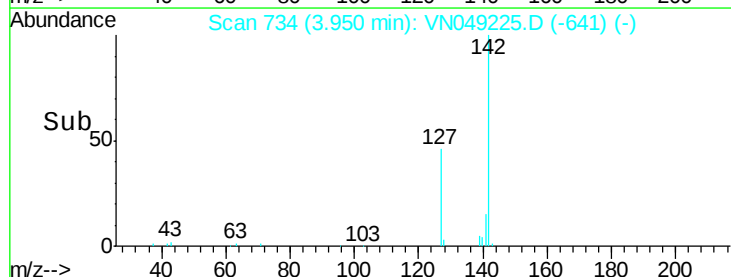
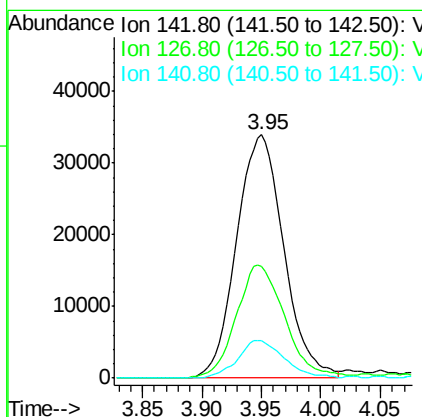
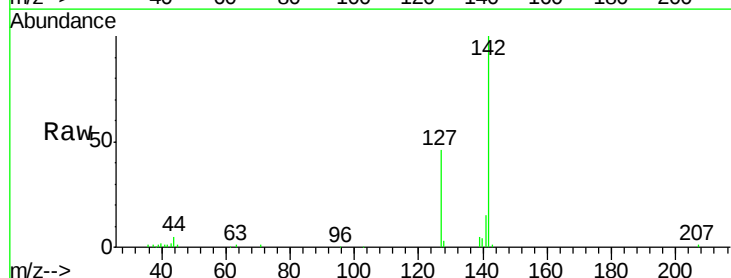
RT: 3.95 min Scan# 734

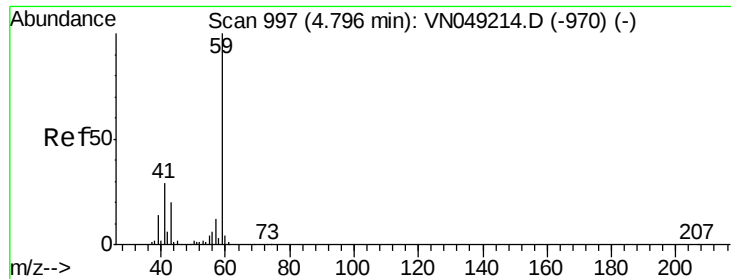
Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Tgt Ion:	142	Resp:	93414
Ion Ratio	Lower	Upper	
142	100		
127	47.6	38.2	57.4
141	15.3	11.9	17.9





#11

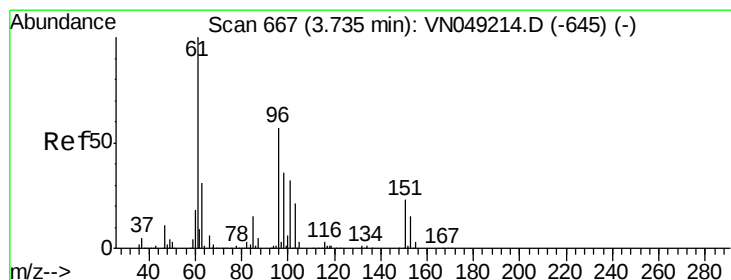
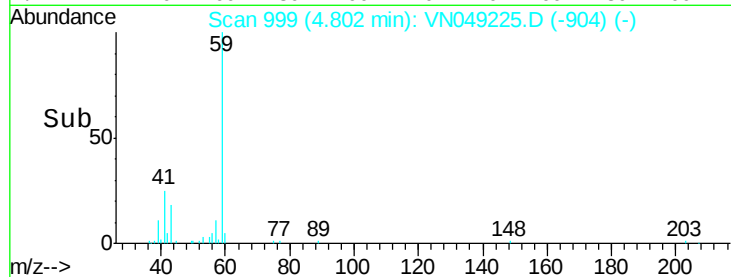
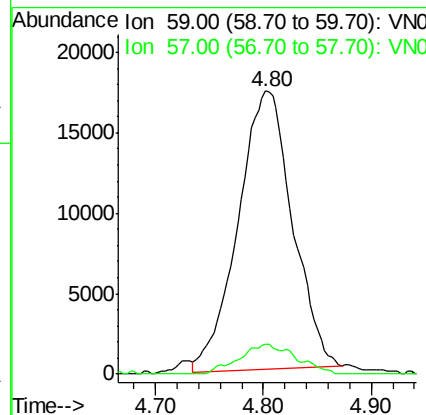
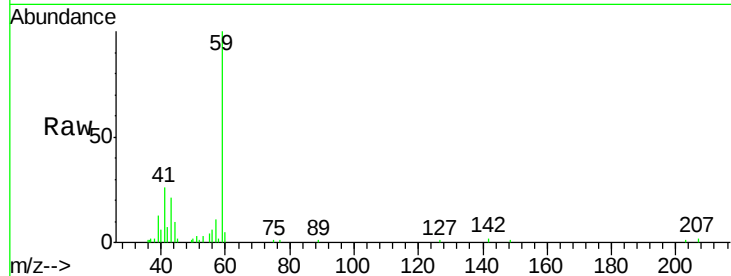
Tert butyl alcohol
Concen: 74.612 ug/l
RT: 4.80 min Scan# 999
Delta R.T. 0.01 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	59	Resp	60871
Ion Ratio	100	Lower	Upper
57	11.2	9.0	13.6

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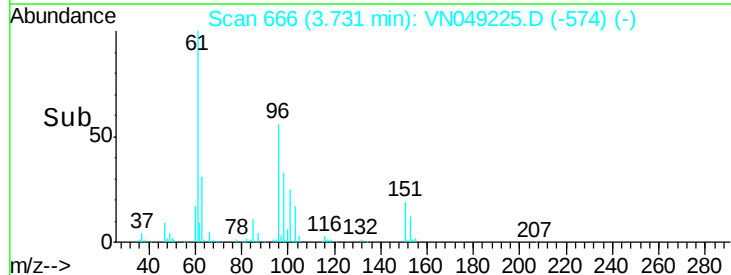
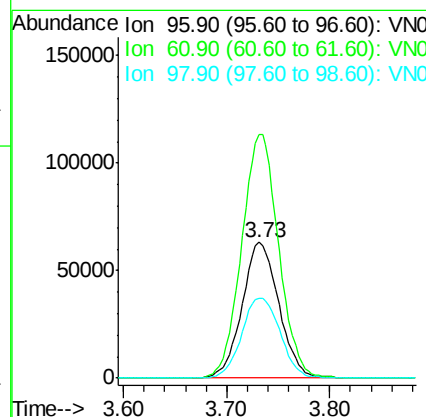
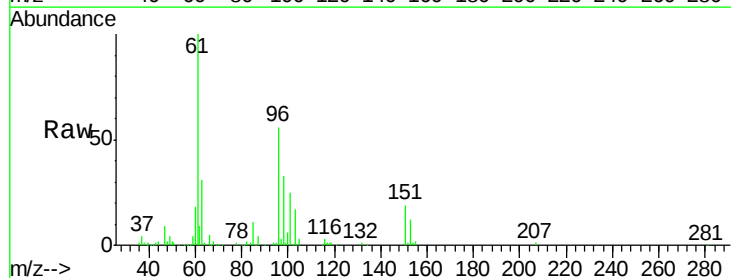
MMDadoda
6/15/2018 1:15:22 PM

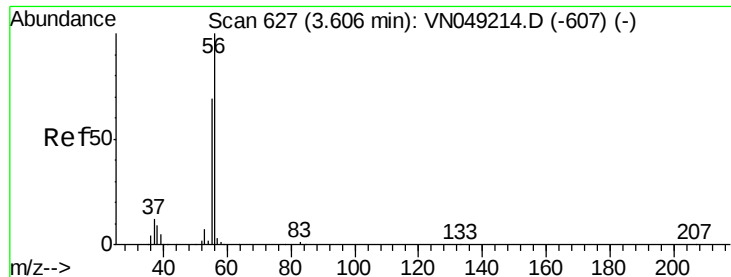


#12

1,1-Dichloroethene
Concen: 13.432 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Tgt Ion	96	Resp	155511
Ion Ratio	100	Lower	Upper
61	179.6	141.0	211.4
98	58.5	50.4	75.6





#13

Acrolein

Concen: 58.588 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 56 Resp: 65079

Ion Ratio Lower Upper

56 100

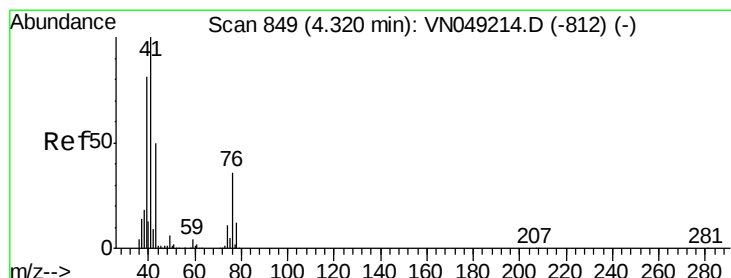
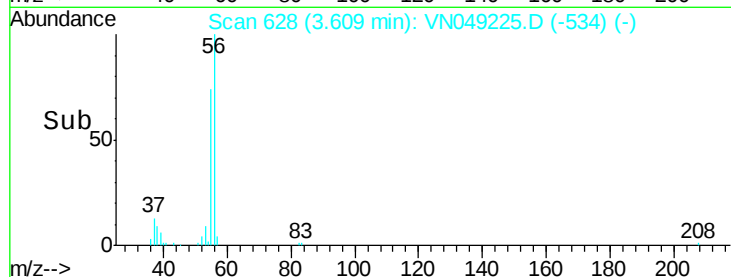
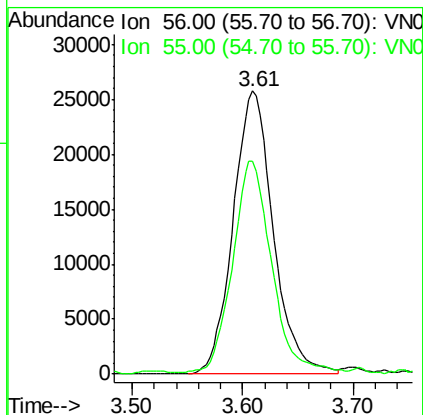
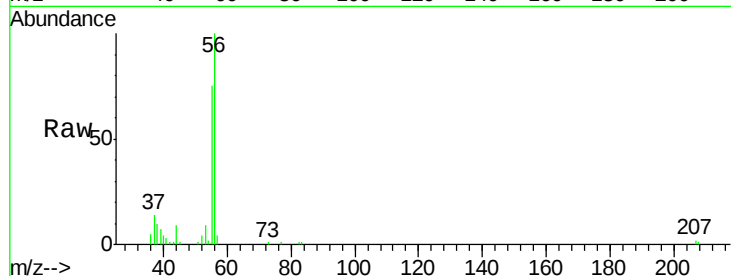
55 73.9 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 12.340 ug/l

RT: 4.32 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

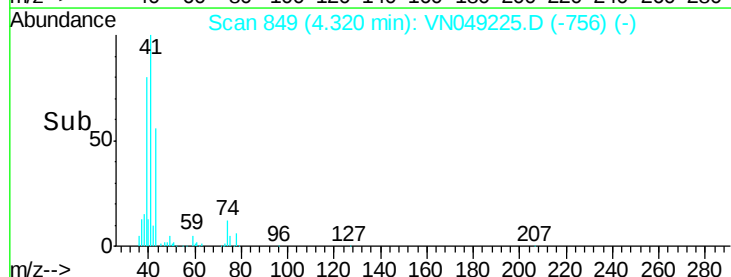
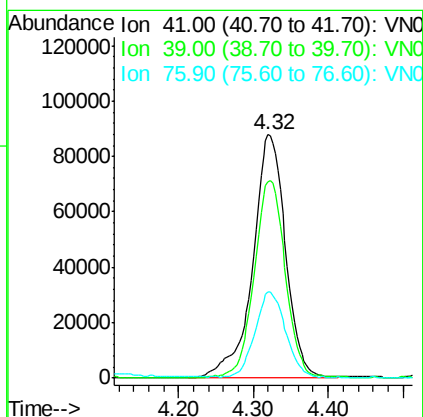
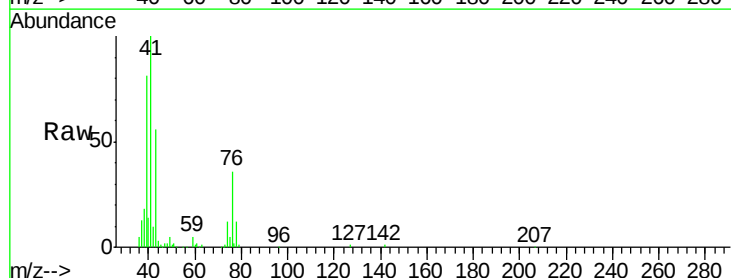
Tgt Ion: 41 Resp: 268288

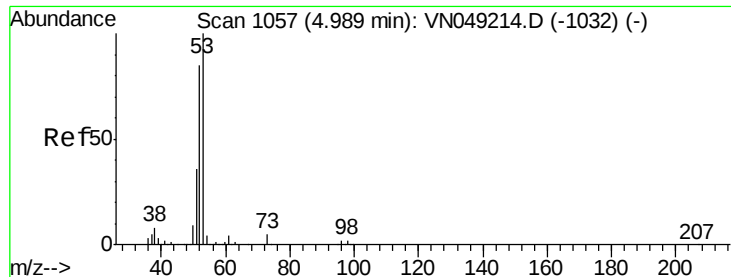
Ion Ratio Lower Upper

41 100

39 77.3 62.5 93.7

76 32.3 27.1 40.7





#15

Acrylonitrile

Concen: 67.829 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

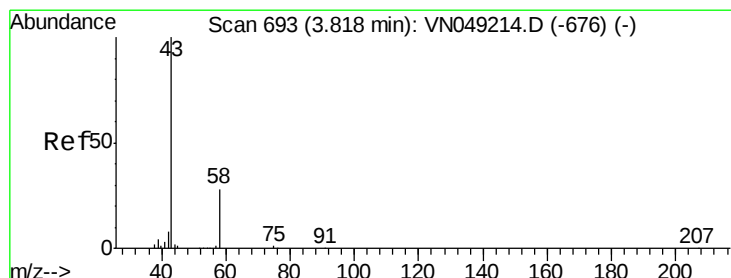
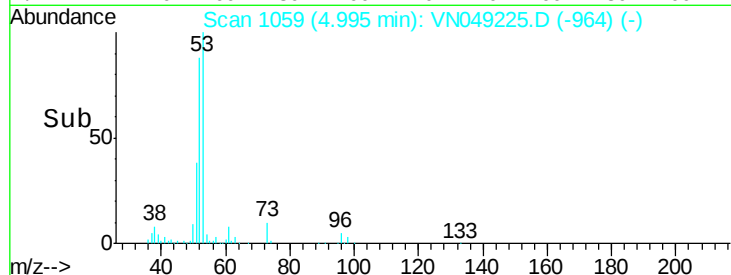
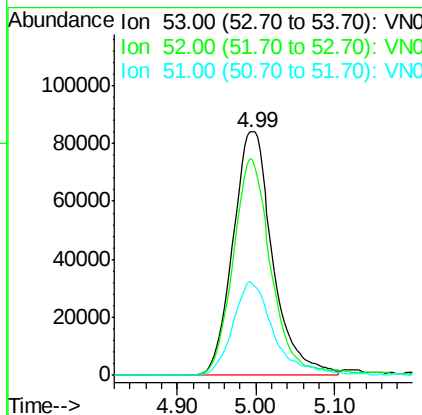
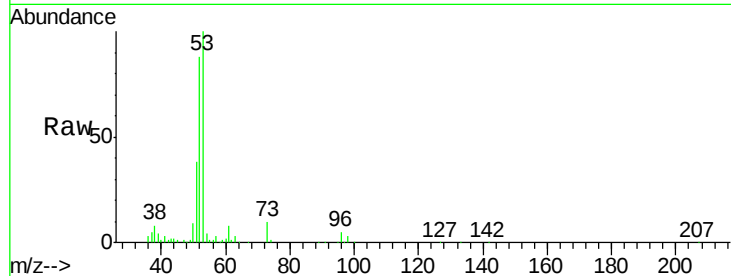
ClientSampled :

VN0614WBS01

Tot Ion:	53	Resp:	297844
Ion Ratio	Lower	Upper	
53	100		
52	84.1	66.6	100.0
51	39.3	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 64.594 ug/l

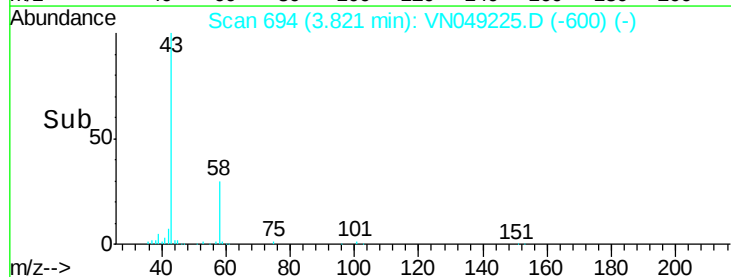
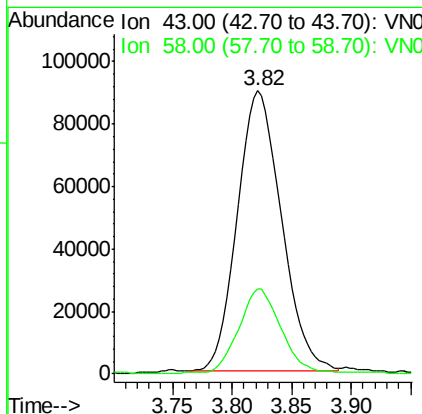
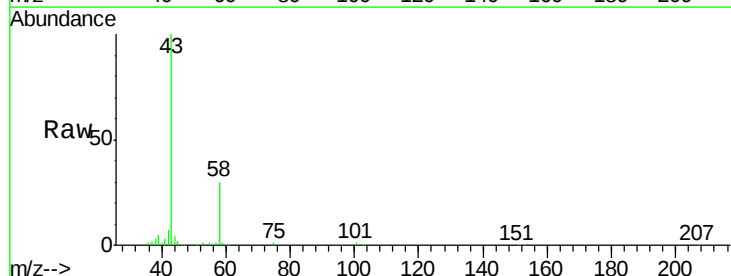
RT: 3.82 min Scan# 694

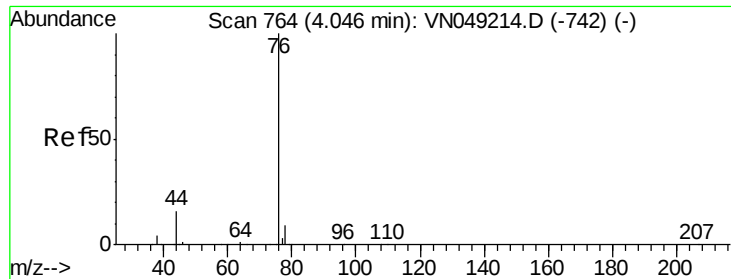
Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Tgt Ion:	43	Resp:	231007
Ion Ratio	Lower	Upper	
43	100		
58	29.9	22.4	33.6





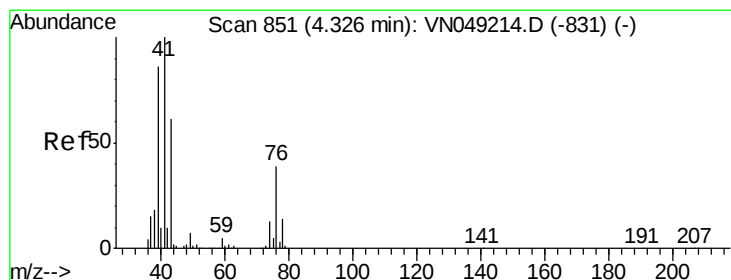
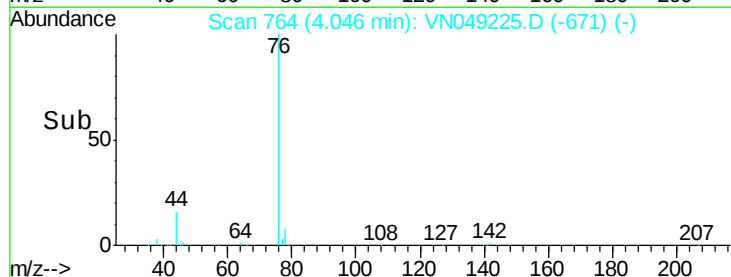
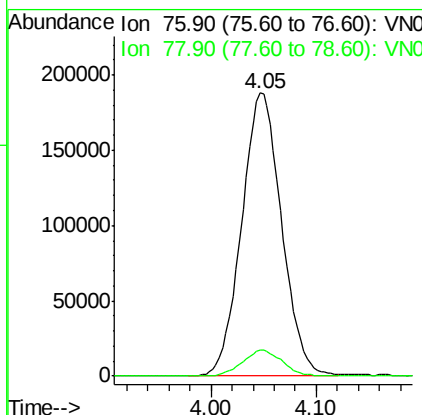
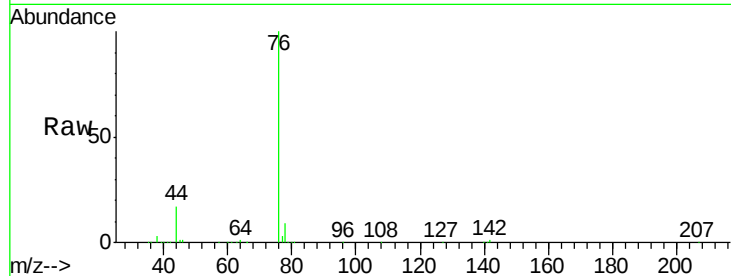
#17
Carbon Disulfide
Concen: 12.539 ug/l
RT: 4.05 min Scan# 764
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

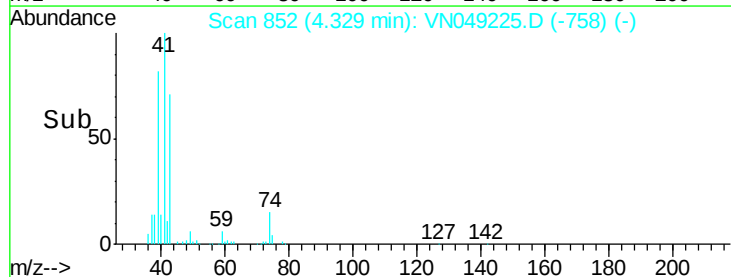
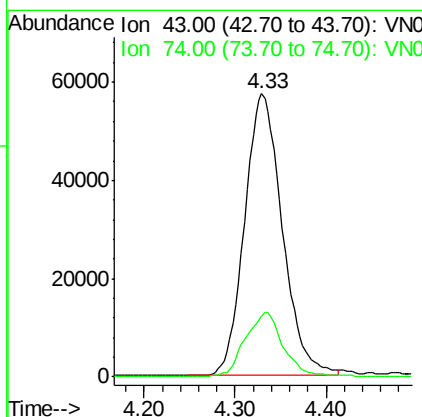
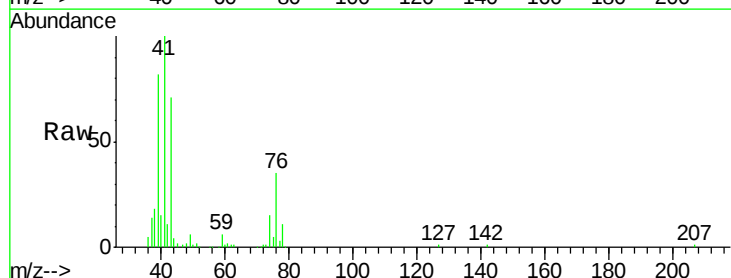
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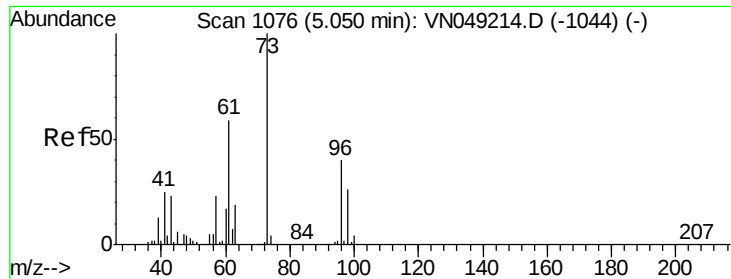
MMDadoda
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#18
Methyl Acetate
Concen: 14.001 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.4	26.0





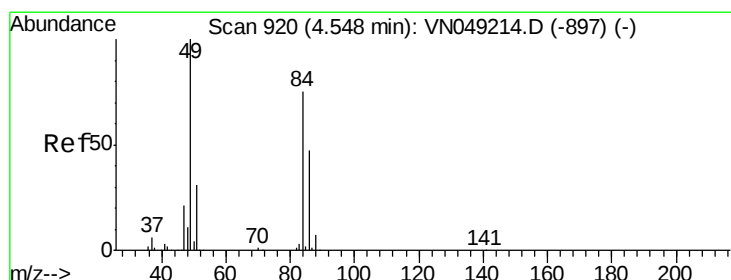
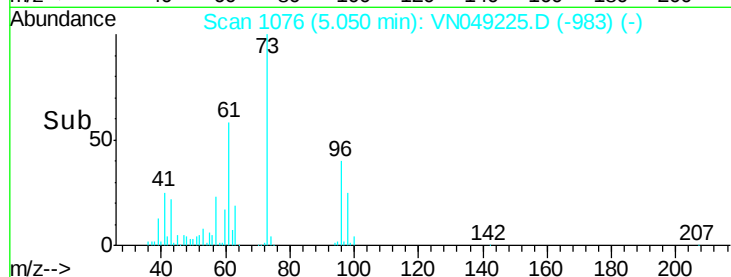
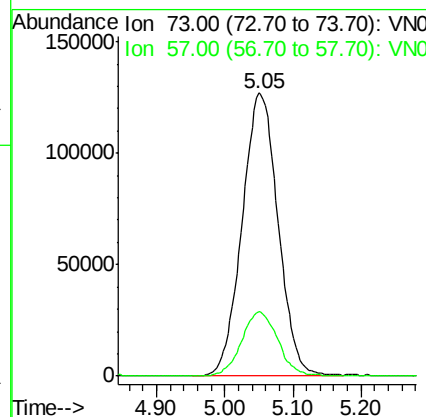
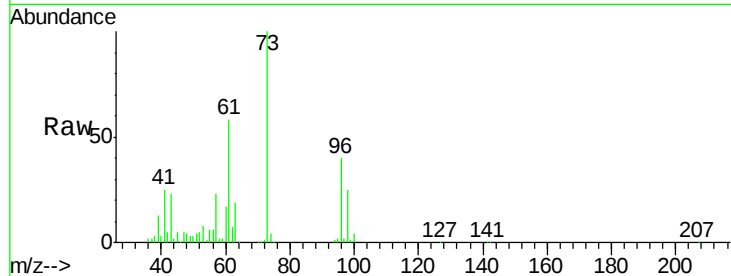
#19
Methvl tert-butvl Ether
Concen: 14.759 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion: 73 Resp: 465570
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.4

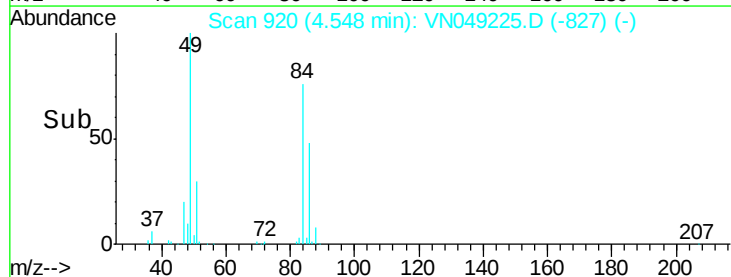
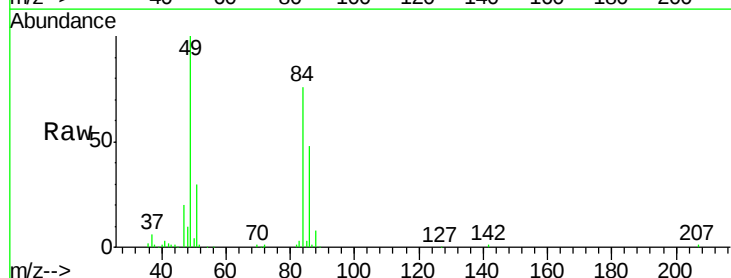
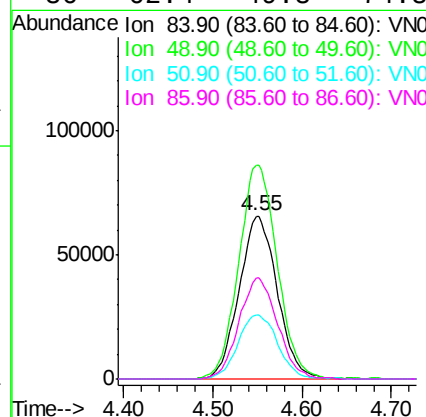
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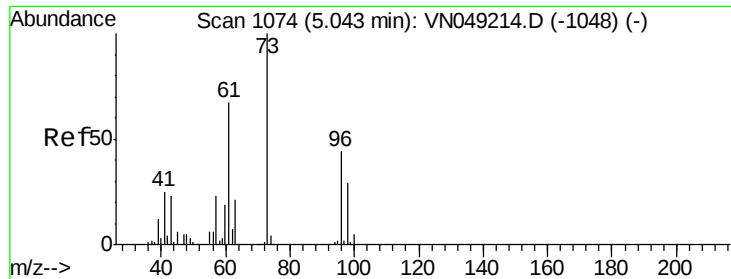
MMDadoda
6/15/2018 1:15:22 PM



#20
Methylene Chloride
Concen: 13.441 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Tgt Ion: 84 Resp: 195208
Ion Ratio Lower Upper
84 100
49 131.0 106.9 160.3
51 39.2 32.7 49.1
86 62.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 13.372 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 96 Resp: 171618

Ion Ratio Lower Upper

96 100

61 151.4 121.3 181.9

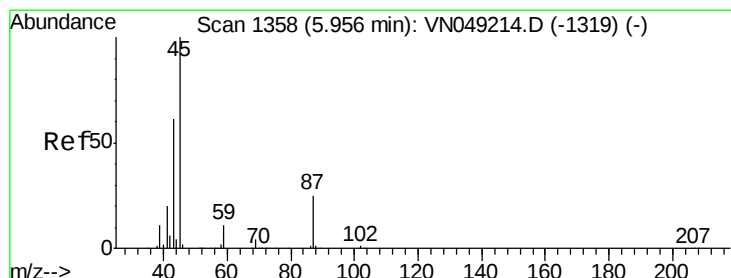
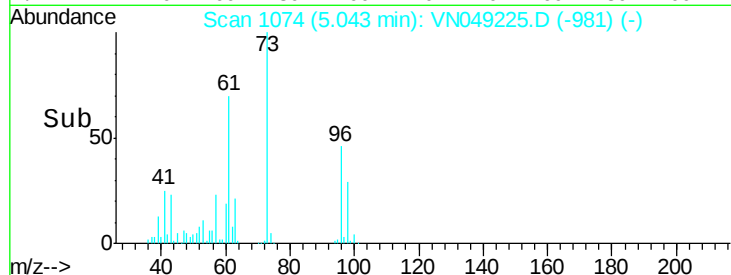
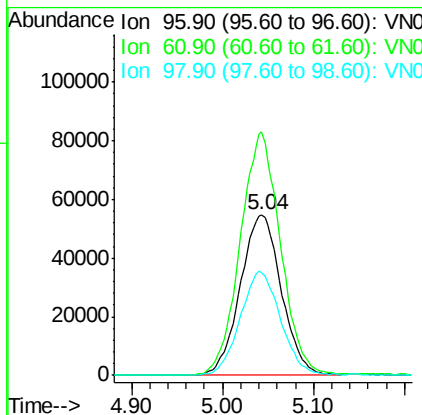
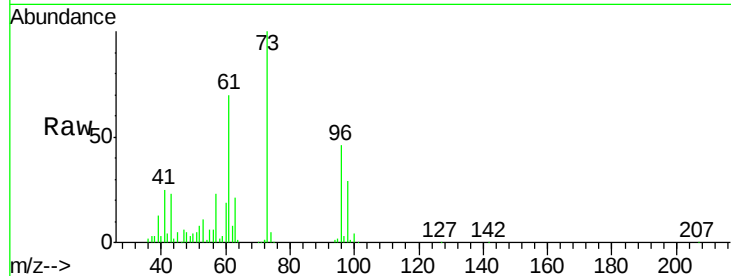
98 63.6 52.0 78.0

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#22

Diisopropyl ether

Concen: 15.931 ug/l

RT: 5.96 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Tgt Ion: 45 Resp: 691345

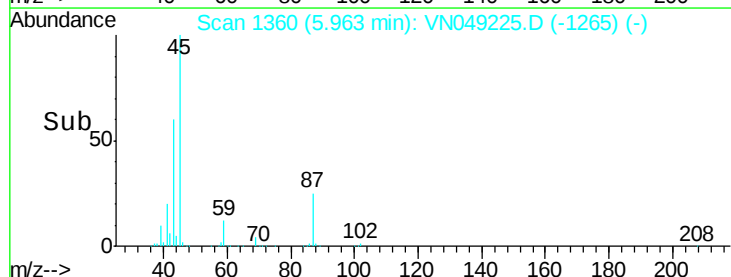
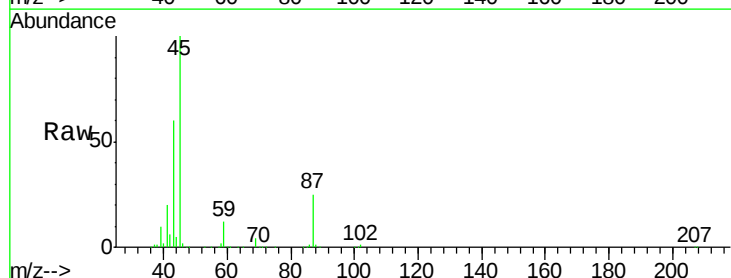
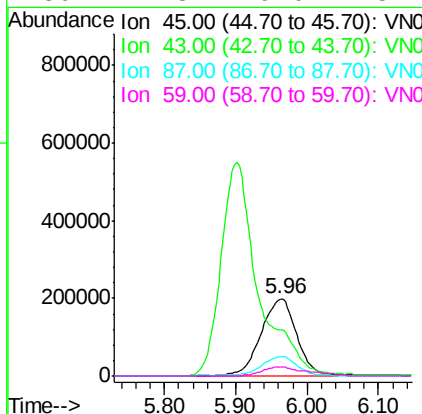
Ion Ratio Lower Upper

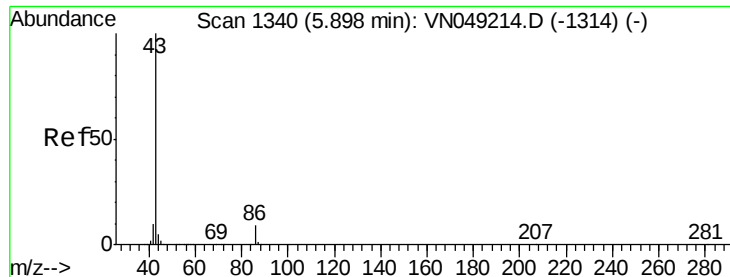
45 100

43 59.6 48.6 72.8

87 24.7 20.2 30.2

59 11.3 9.0 13.4





#23

Vinyl Acetate

Concen: 69.833 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 43 Resp: 2003237

Ion Ratio Lower Upper

43 100

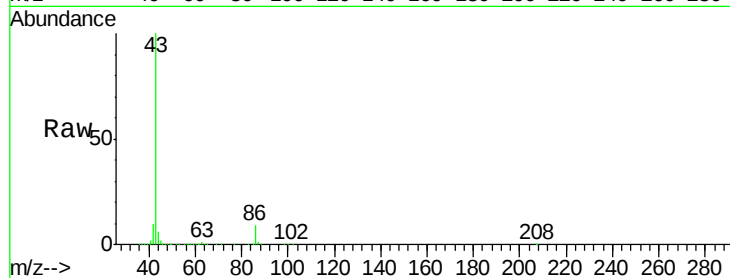
86 9.2 7.2 10.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

600000

500000

400000

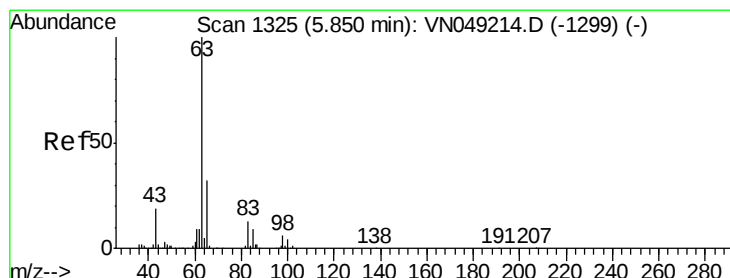
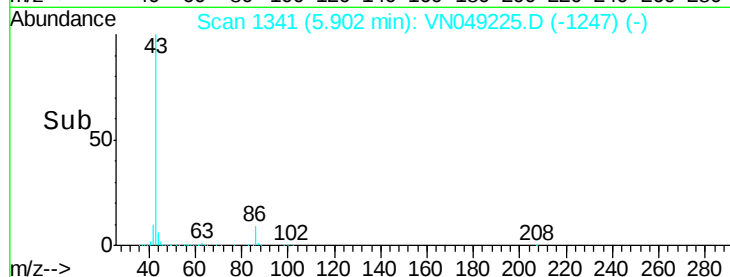
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 14.025 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

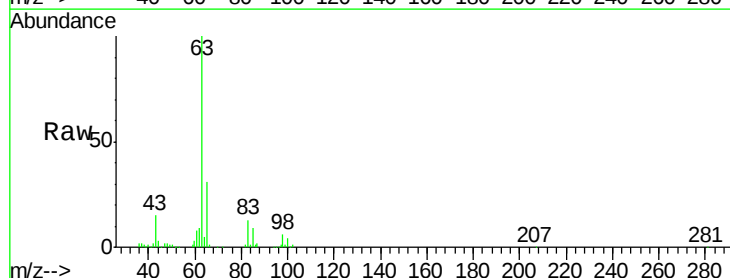
Tgt Ion: 63 Resp: 362704

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 3.5 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

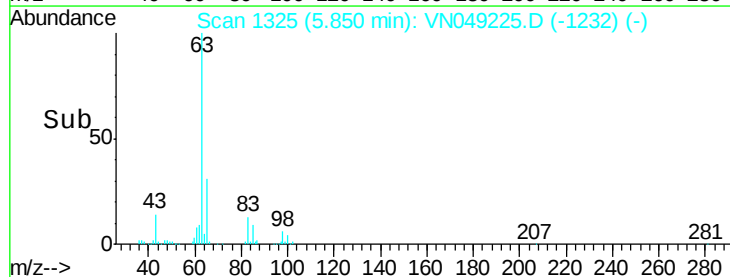
150000

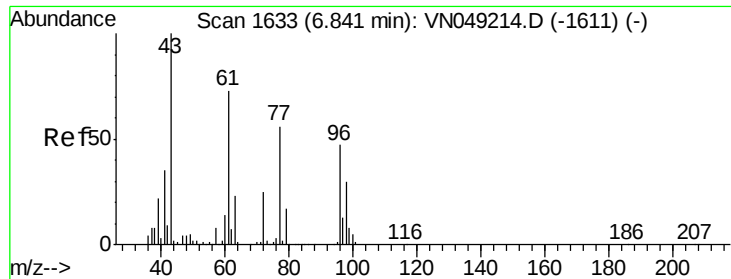
100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 97.405 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 43 Resp: 498802

Ion Ratio Lower Upper

43 100

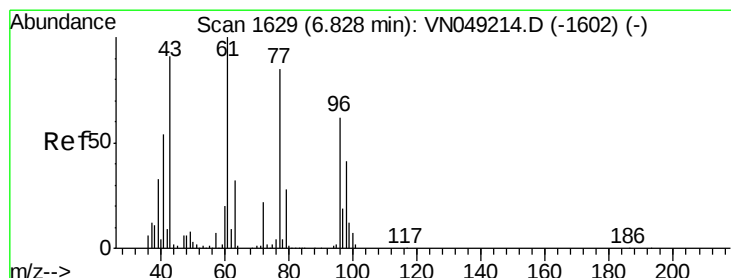
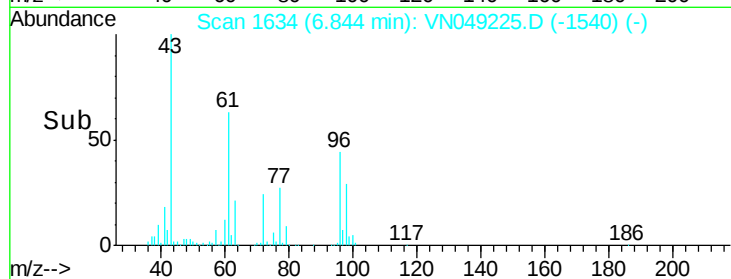
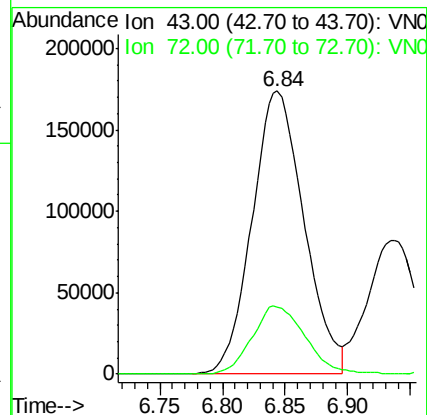
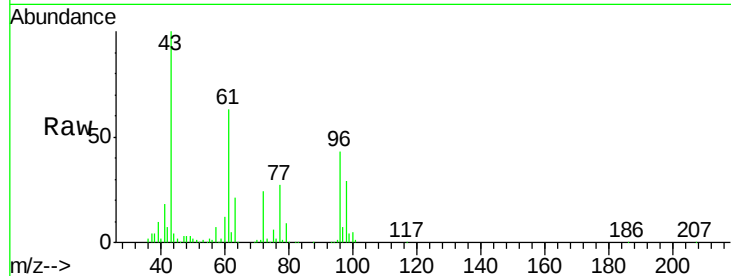
72 24.0 20.2 30.2

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 10.710 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN049225.D

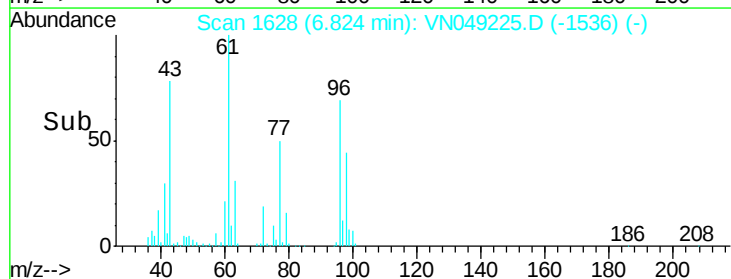
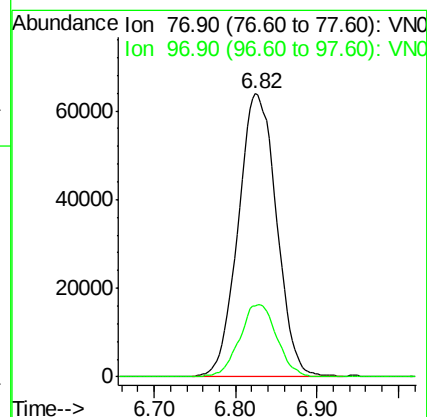
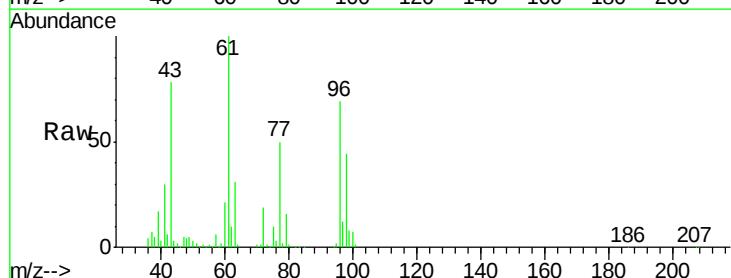
Acq: 14 Jun 2018 14:07

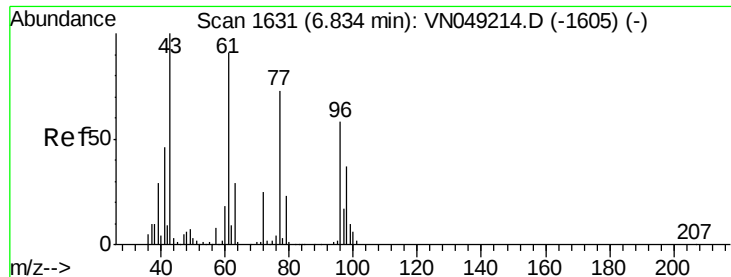
Tgt Ion: 77 Resp: 207686

Ion Ratio Lower Upper

77 100

97 24.7 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.492 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

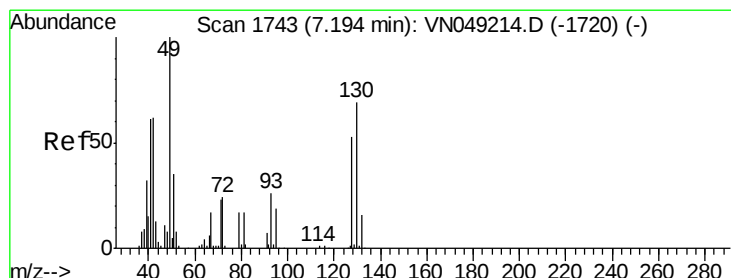
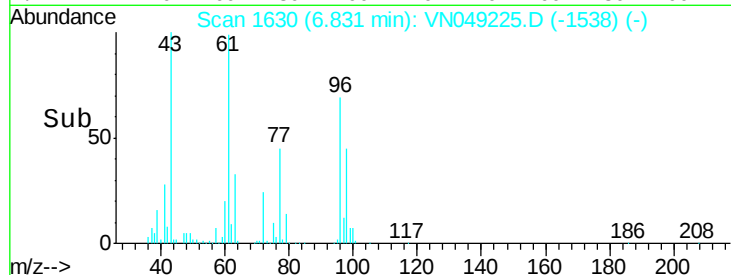
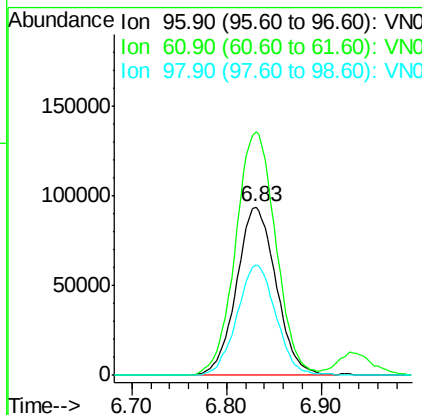
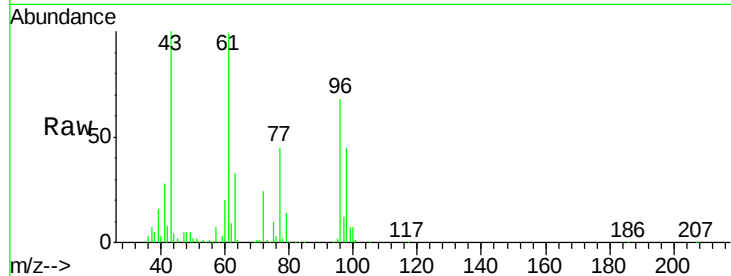
ClientSampleId :

VN0614WBS01

Tot Ion:	96	Resp:	272445
Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	316.4
98	64.6	0.0	128.4

Manual Integrations
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6/15/2018 1:15:22 PM



#28

Bromochloromethane

Concen: 19.635 ug/l

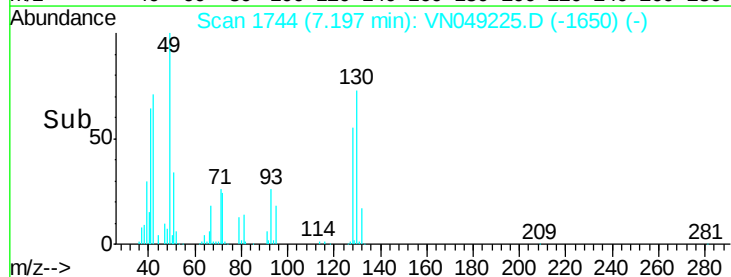
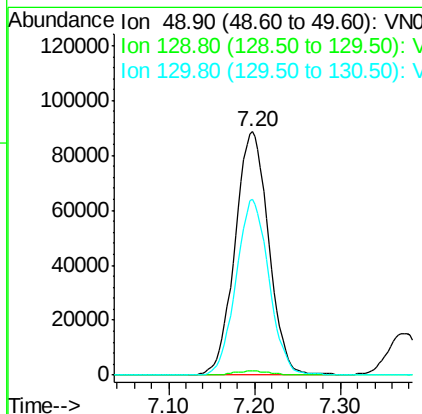
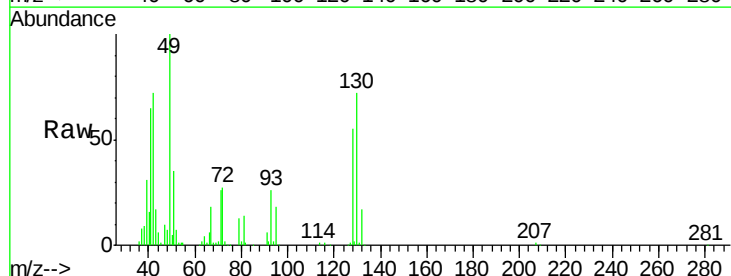
RT: 7.20 min Scan# 1744

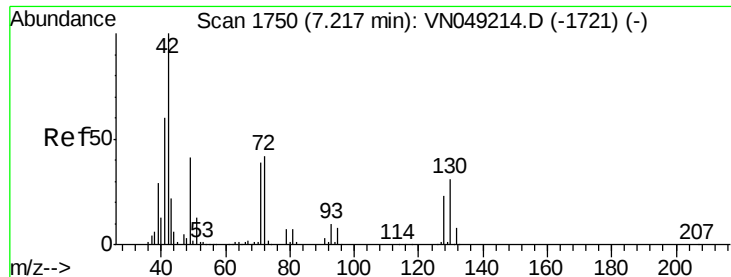
Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Tgt Ion:	49	Resp:	240999
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	70.4	54.9	82.3





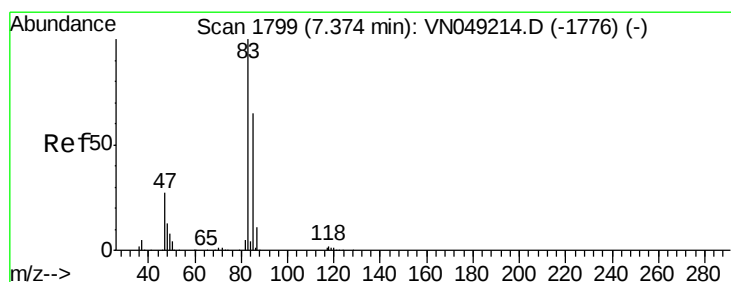
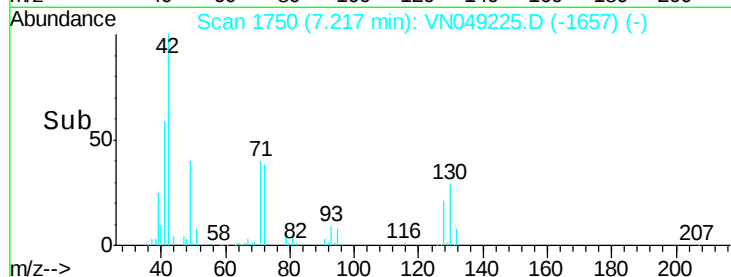
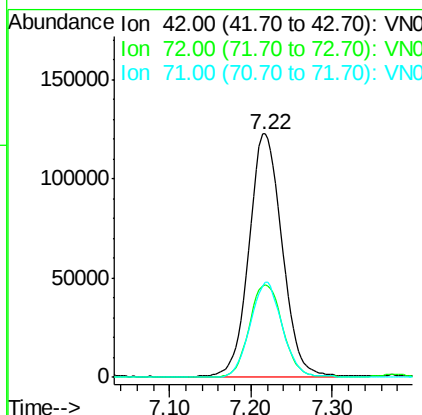
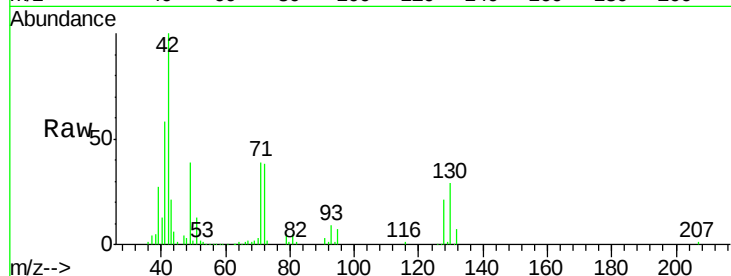
#29
Tetrahydrofuran
Concen: 104.168 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	32.2	48.4
71	38.2	30.5	45.7

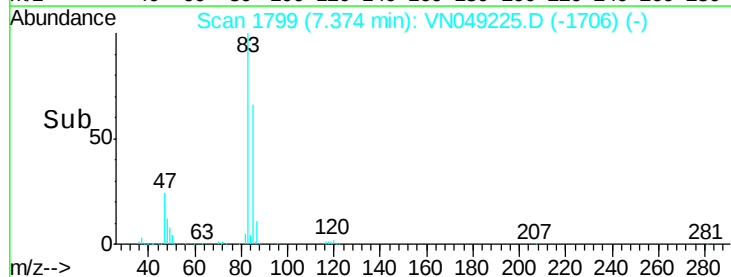
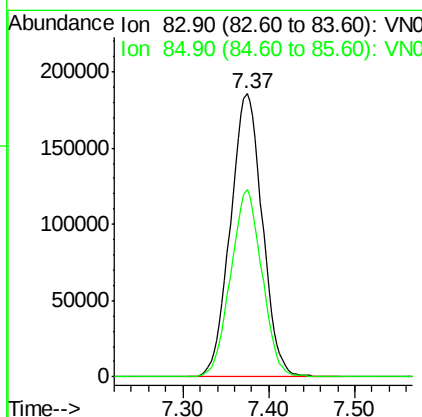
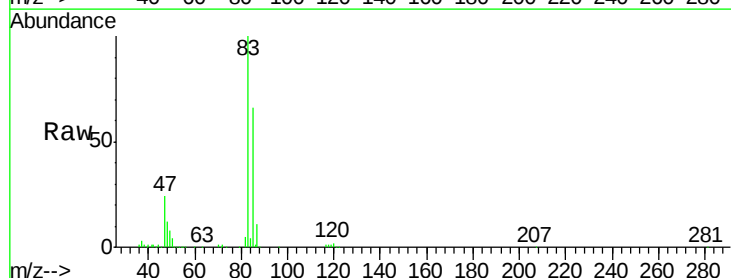
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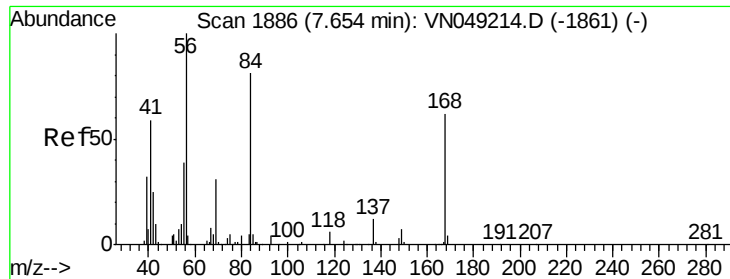
MMDadoda
6/15/2018 1:15:22 PM



#30
Chloroform
Concen: 19.260 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.7	77.5





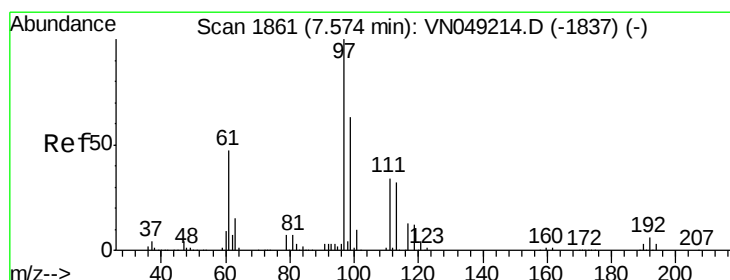
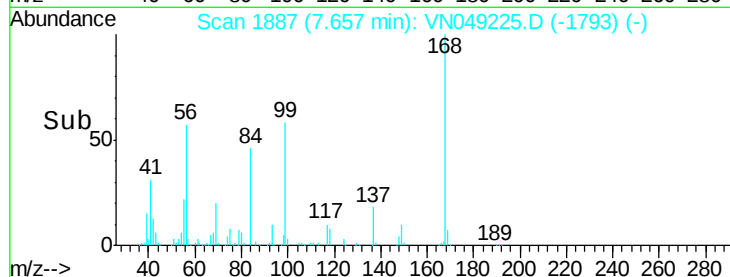
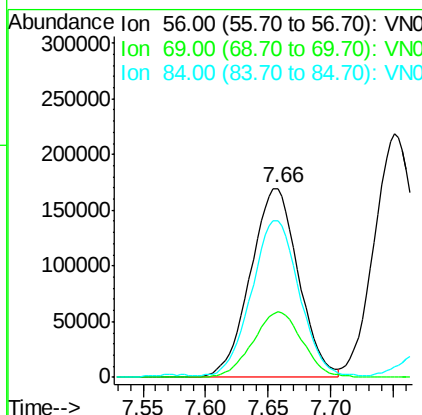
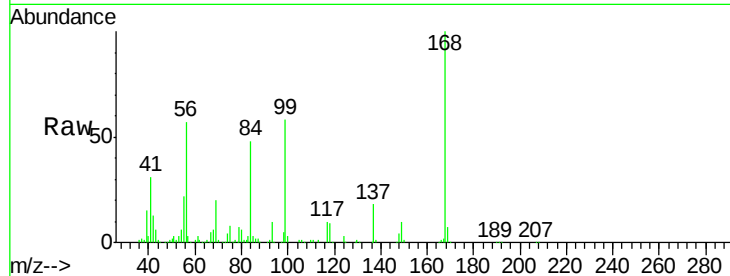
#31
Cyclohexane
Concen: 20.002 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	25.0	37.4
84	82.0	64.6	96.8

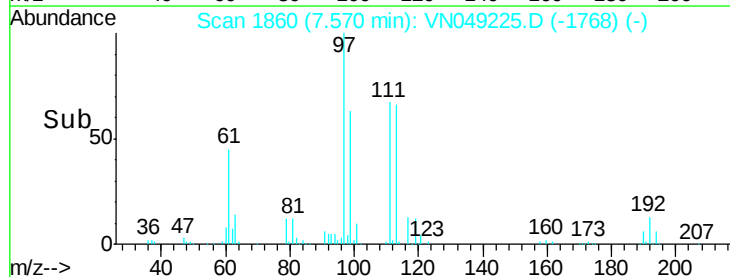
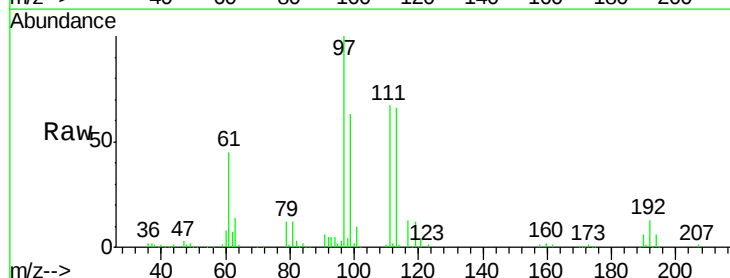
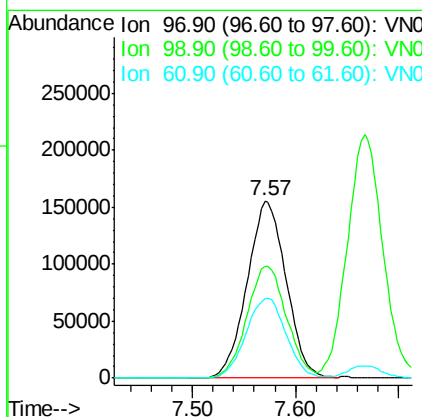
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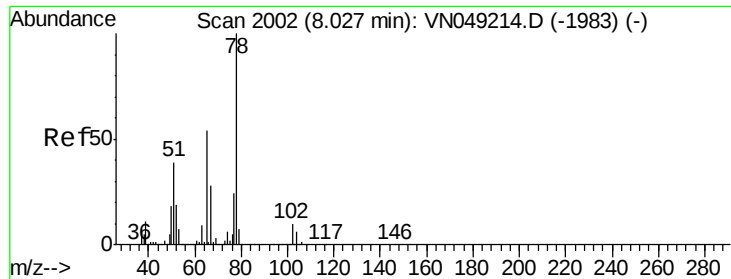
MMDadoda
6/15/2018 1:15:22 PM



#32
1,1,1-Trichloroethane
Concen: 19.033 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.5	75.7
61	46.4	37.9	56.9





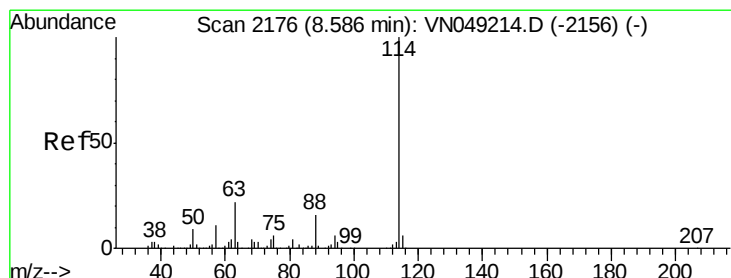
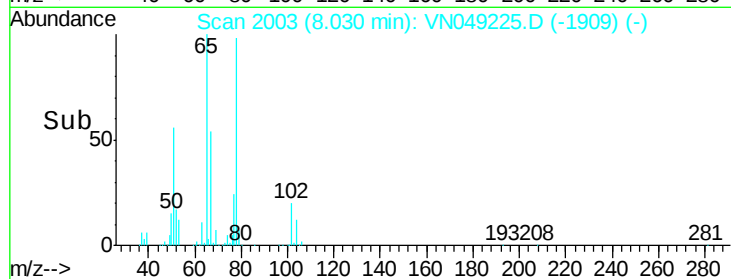
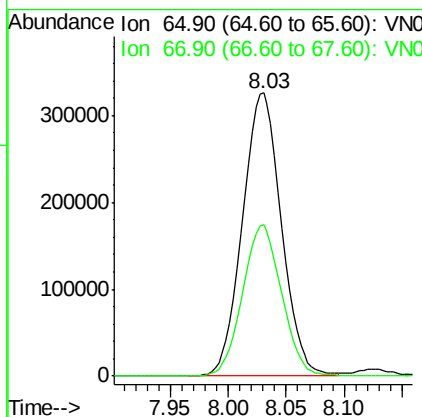
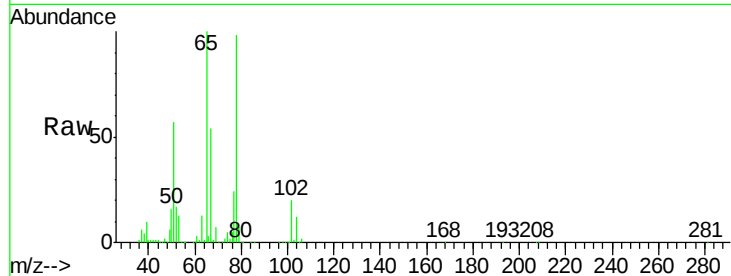
#33
 1,2-Dichloroethane-d4
 Concen: 50.879 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049225.D
 Acq: 14 Jun 2018 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	103.8

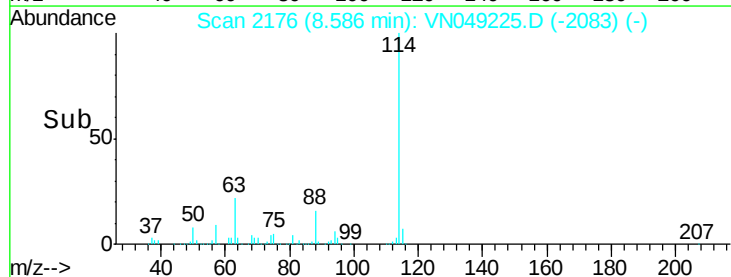
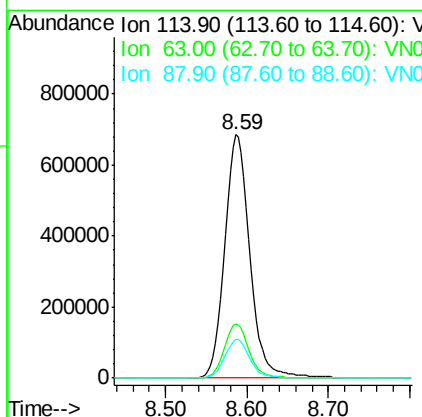
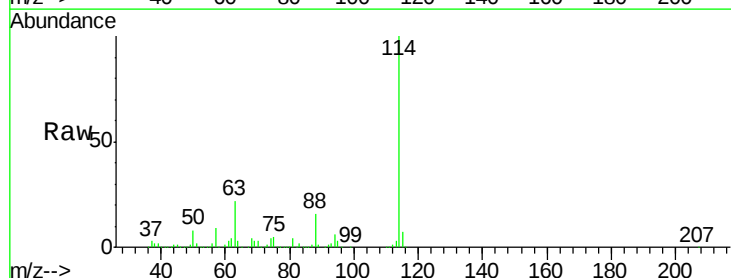
Manual Integrations
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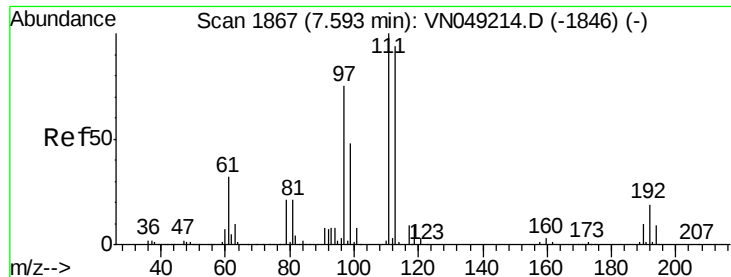
MMDadoda
 6/15/2018 1:15:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049225.D
 Acq: 14 Jun 2018 14:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.4
88	15.9	0.0	31.4





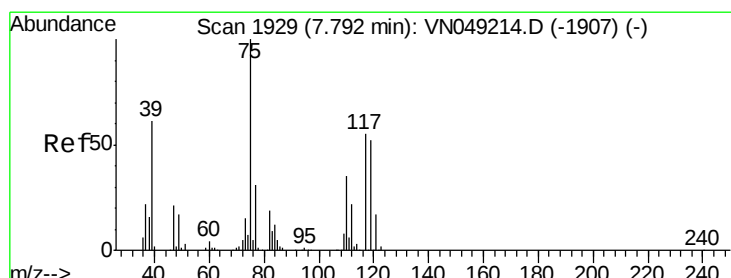
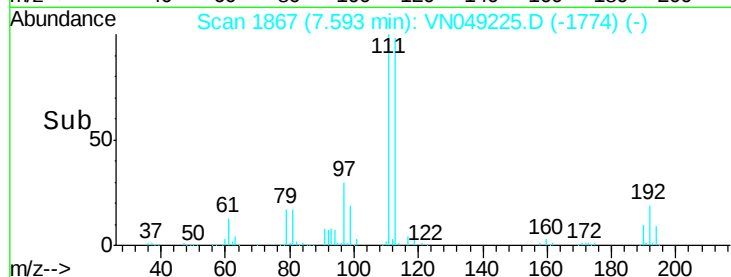
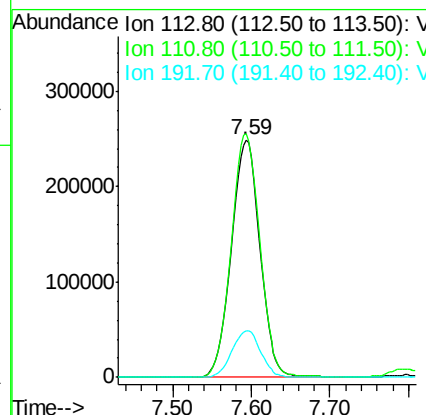
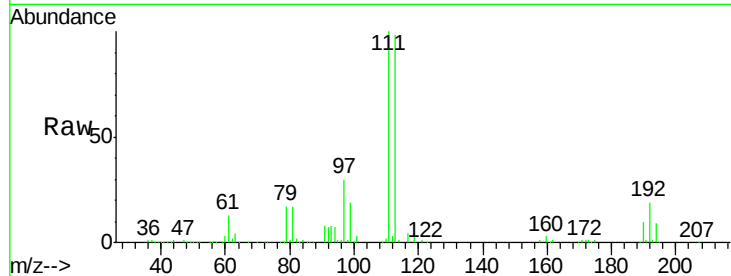
#35
 Dibromofluoromethane
 Concen: 50.572 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049225.D
 Acq: 14 Jun 2018 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	625475		
111	102.4	82.4	123.6	
192	19.9	15.0	22.6	

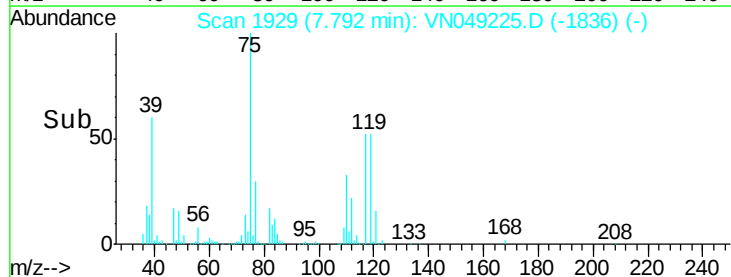
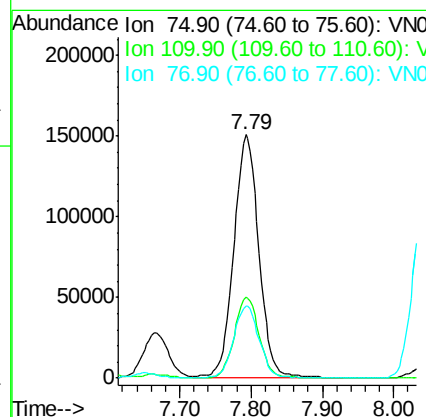
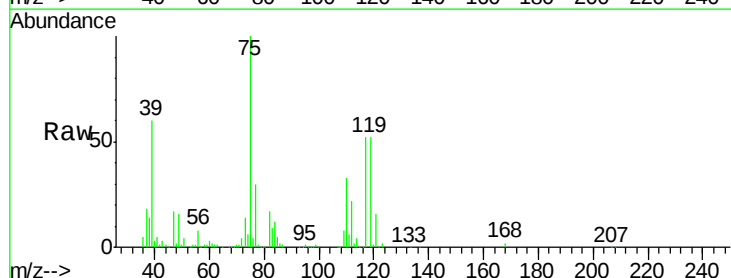
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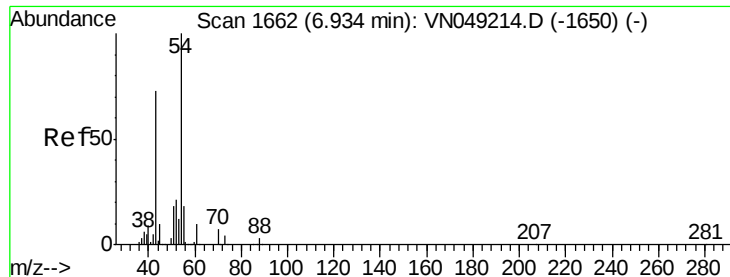
MMDadoda
 6/15/2018 1:15:22 PM



#36
 1,1-Dichloropropene
 Concen: 19.725 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049225.D
 Acq: 14 Jun 2018 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	368256		
110	33.3	17.0	50.9	
77	29.8	24.4	36.6	





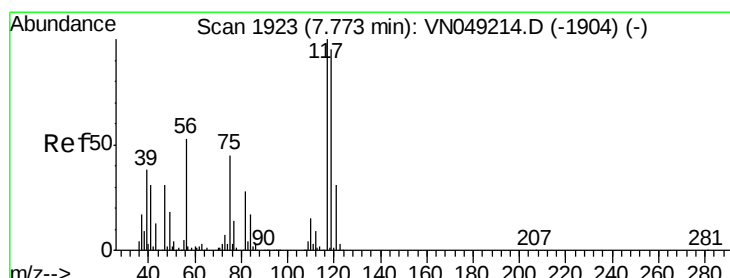
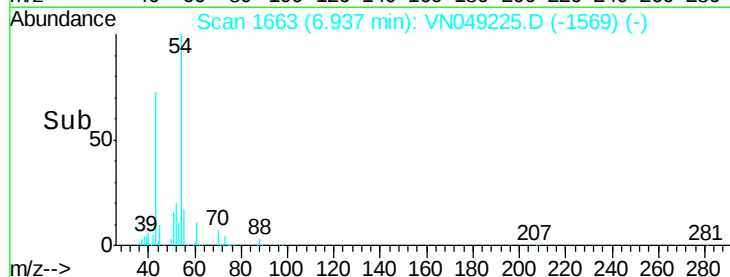
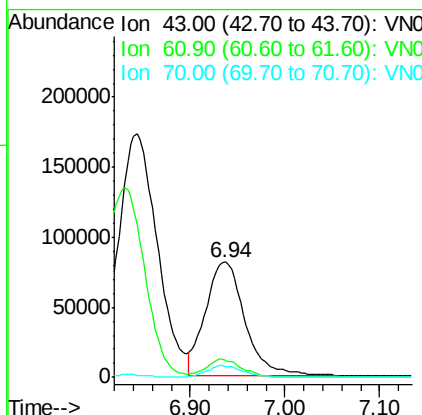
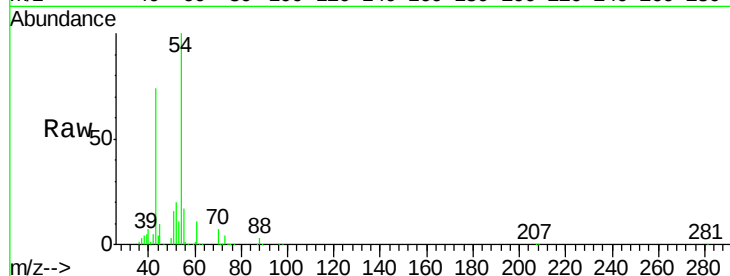
#37
Ethyl Acetate
Concen: 20.122 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampleID :
VN0614WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	9.5	7.2	10.8

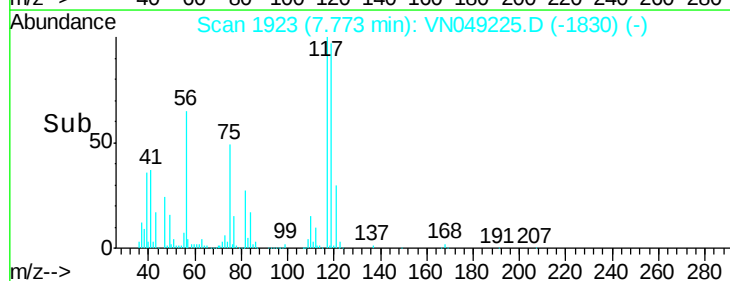
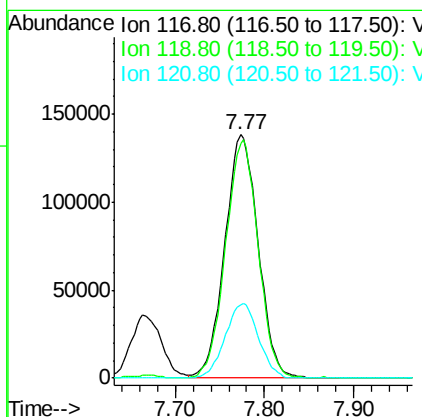
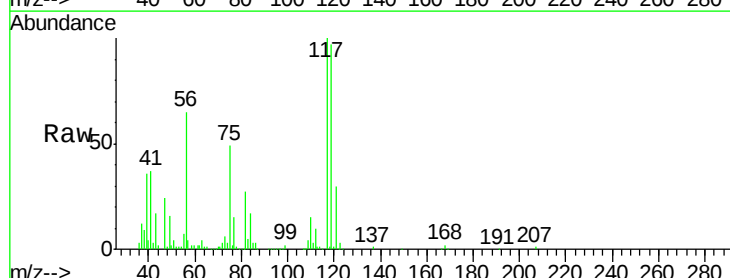
Manual Integrations
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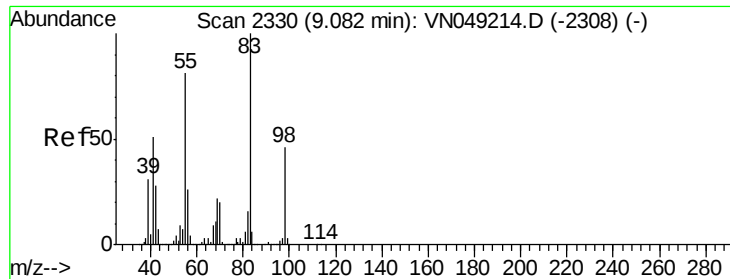
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6/15/2018 1:15:22 PM



#38
Carbon Tetrachloride
Concen: 18.940 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.6	113.4
121	30.2	24.7	37.1





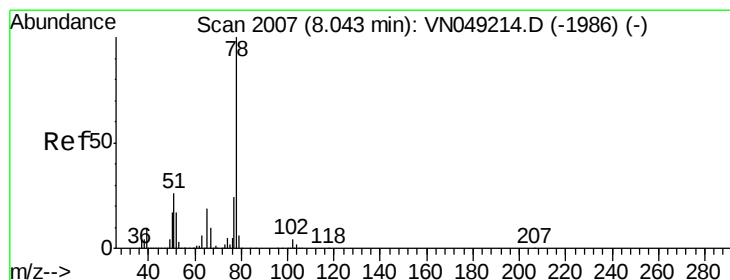
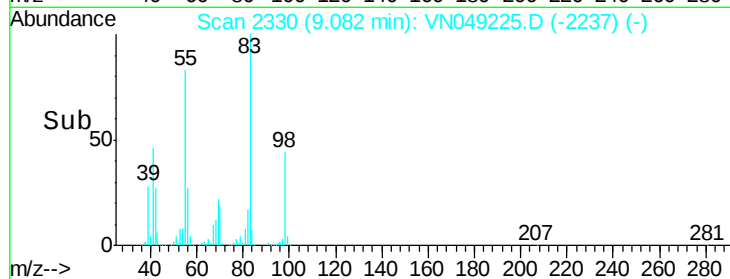
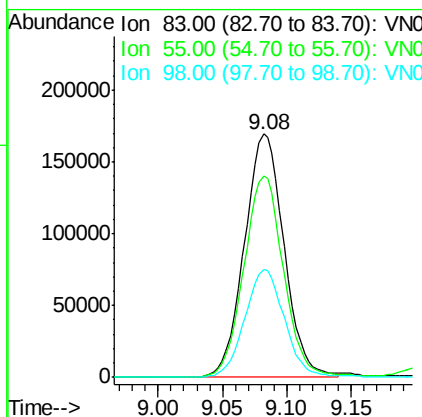
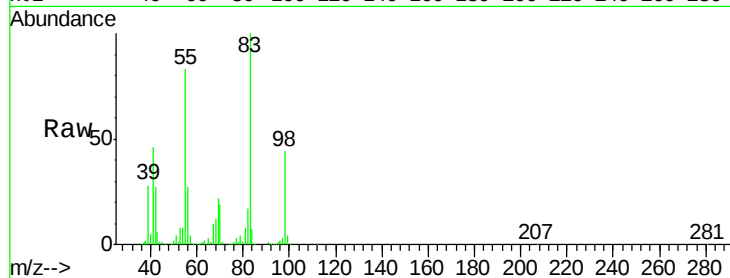
#39
Methvlcvclohexane
Concen: 18.811 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.8	65.1	97.7
98	44.4	36.5	54.7

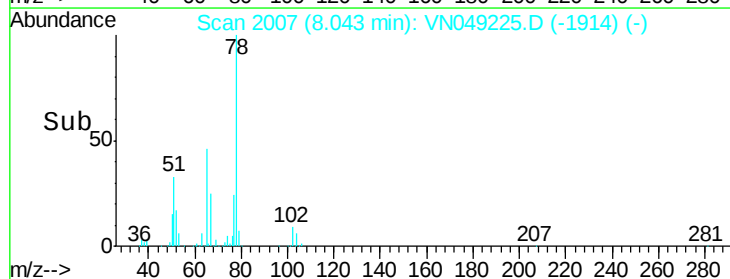
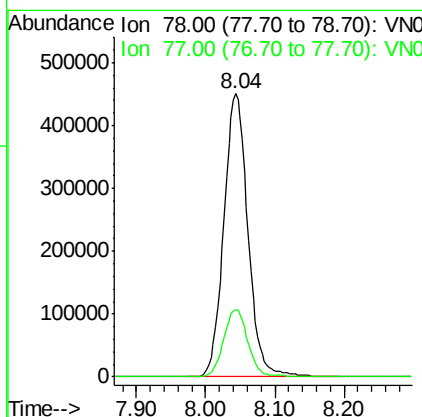
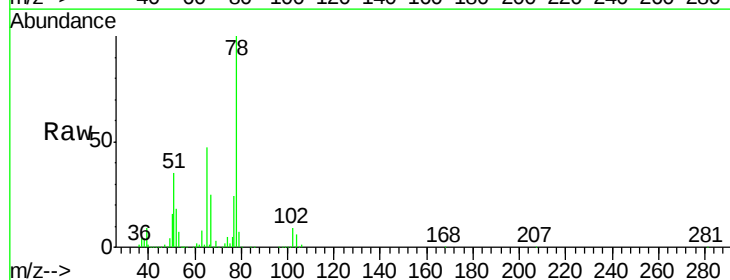
Manual Integrations
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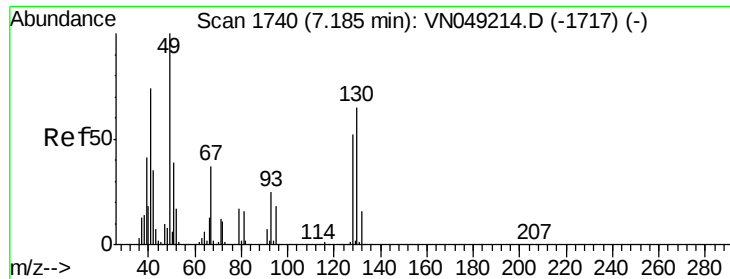
MMDadoda
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#40
Benzene
Concen: 19.363 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0





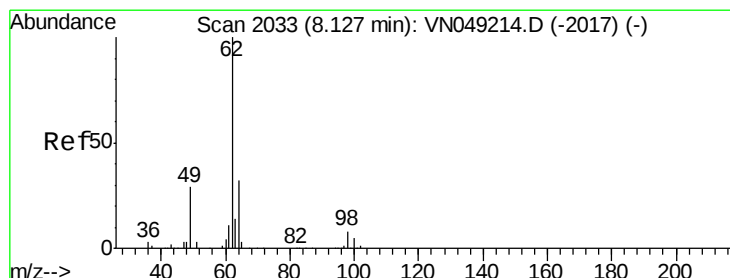
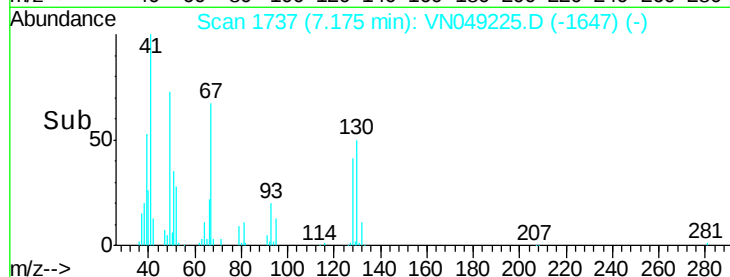
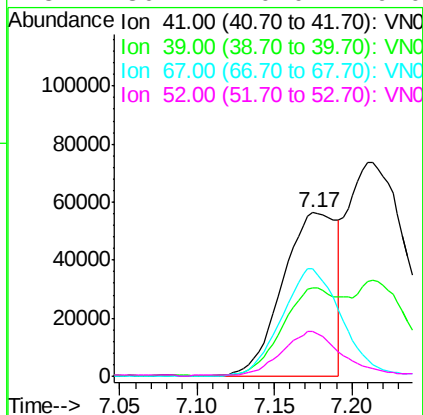
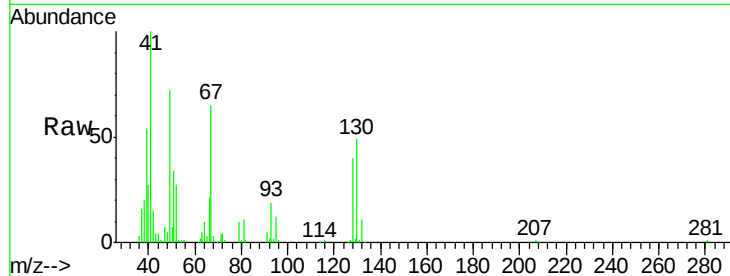
#41
Methacrylonitrile
Concen: 20.315 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.8	0.0	0.0#	
67	74.3	0.0	0.0#	
52	30.2	0.0	0.0#	

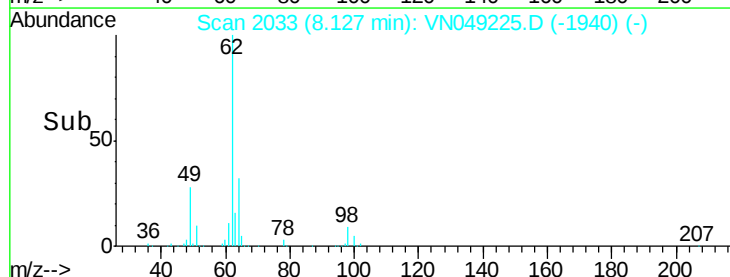
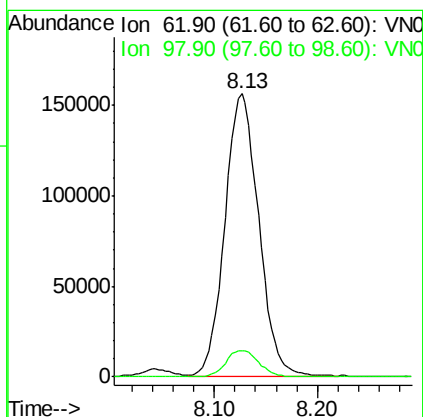
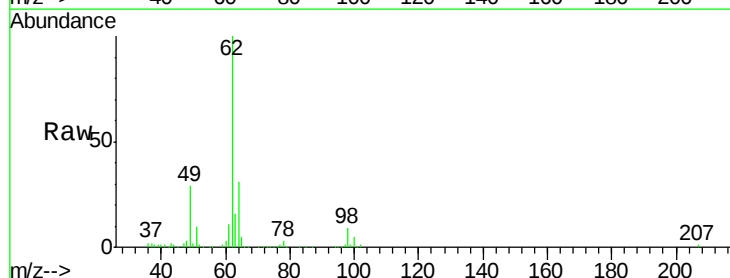
Manual Integrations
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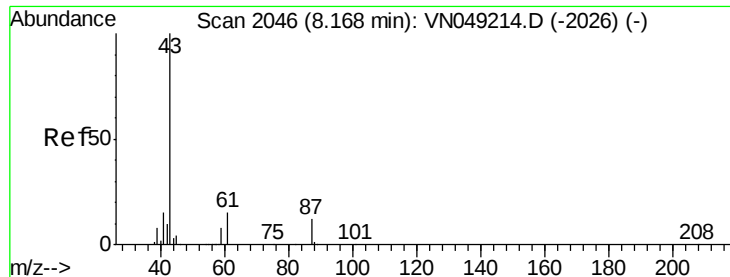
MMDadoda
6/15/2018 1:15:22 PM



#42
1,2-Dichloroethane
Concen: 19.090 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	16.2	





#43

Isopropyl Acetate

Concen: 20.689 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

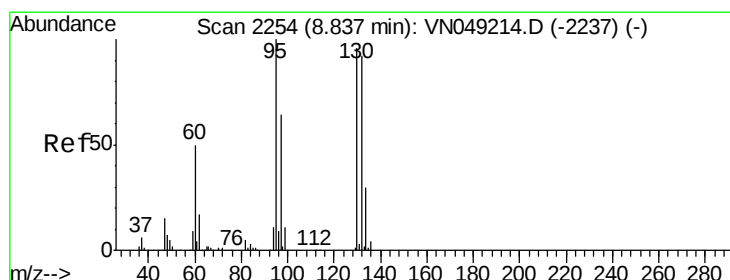
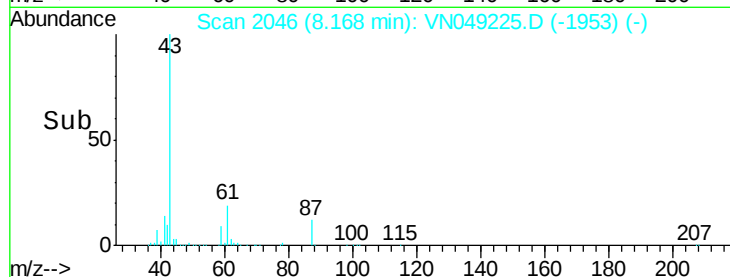
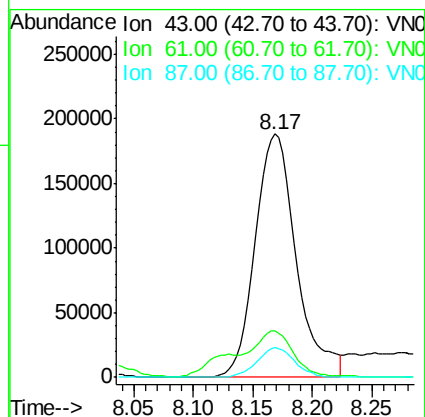
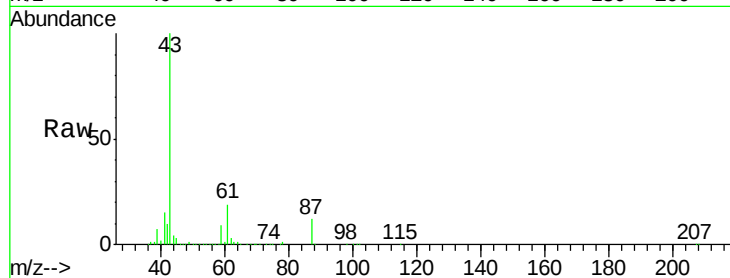
ClientSampleId :

VN0614WBS01

Tot Ion:	43	Resp:	448319
Ion	Ratio	Lower	Upper
43	100		
61	16.7	14.2	21.4
87	11.4	9.4	14.0

Manual Integrations
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#44

Trichloroethene

Concen: 19.227 ug/l

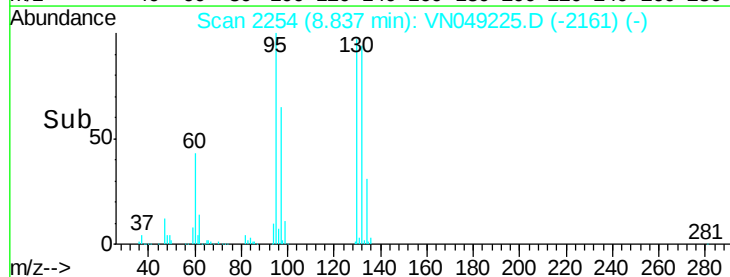
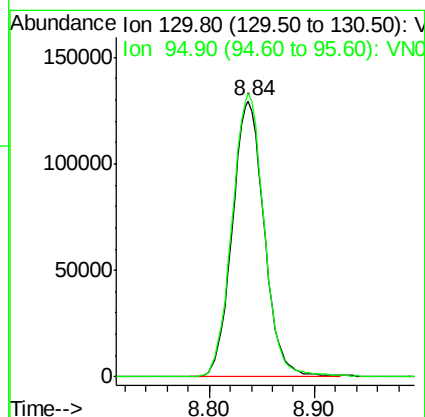
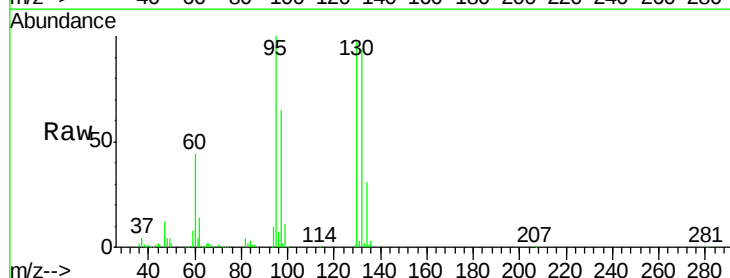
RT: 8.84 min Scan# 2254

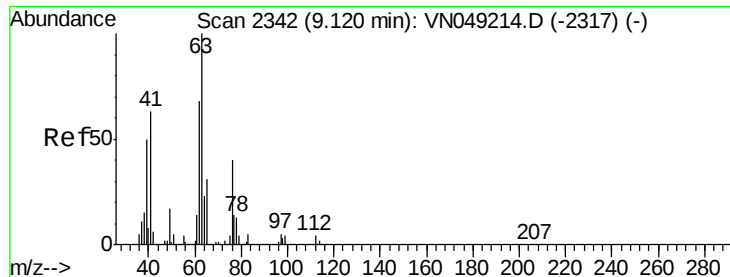
Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Tgt Ion:	130	Resp:	271568
Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	208.6





#45

1,2-Dichloropropane

Concen: 19.479 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 63 Resp: 303061

Ion Ratio Lower Upper

63 100

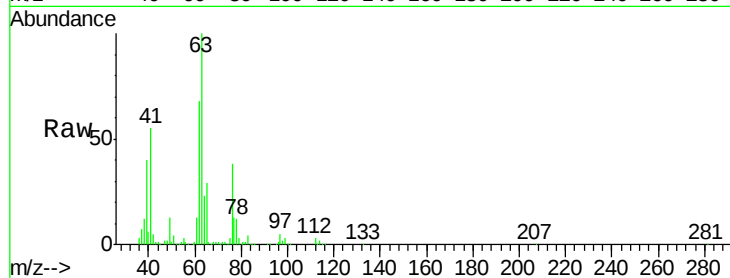
65 29.3 24.8 37.2

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

150000

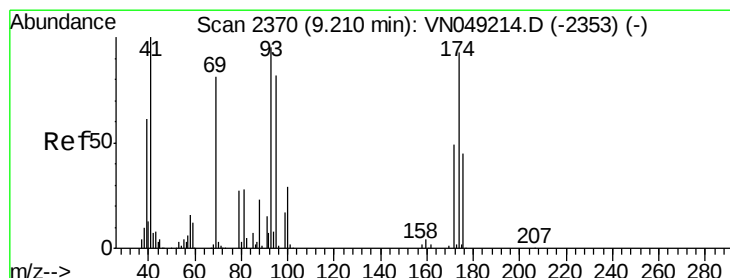
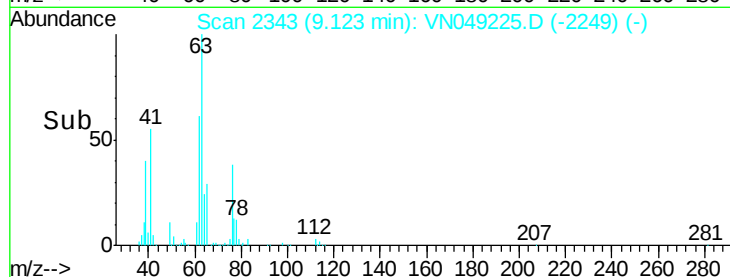
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 19.129 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

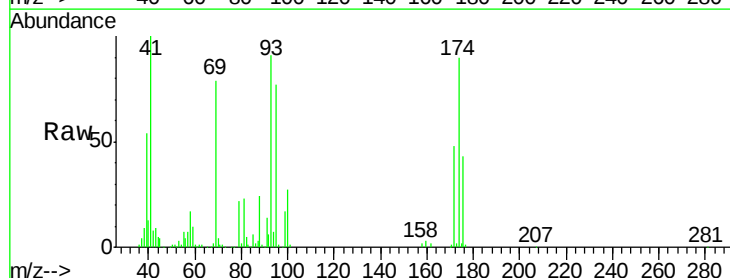
Tgt Ion: 93 Resp: 164420

Ion Ratio Lower Upper

93 100

95 83.9 67.2 100.8

174 99.2 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

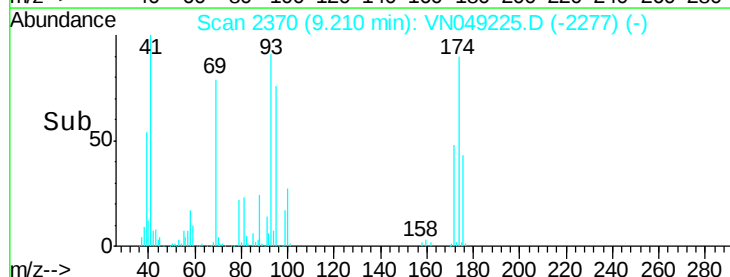
40000

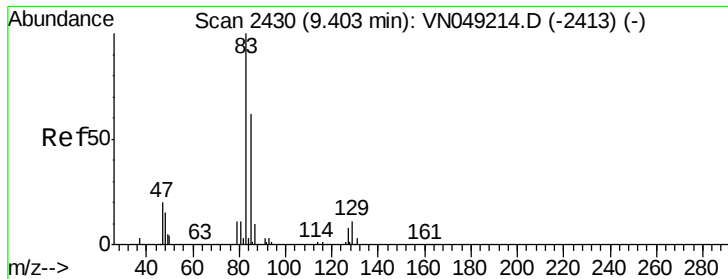
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 18.834 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

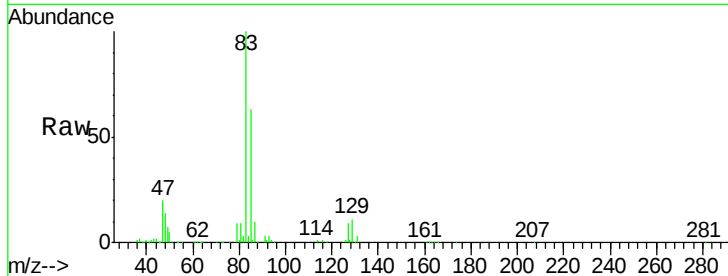
ClientSampleId :

VN0614WBS01

Tot Ion:	83	Resp:	364627
Ion Ratio	Lower	Upper	
83	100		
85	63.4	49.4	74.0
127	8.5	6.3	9.5

Manual Integrations
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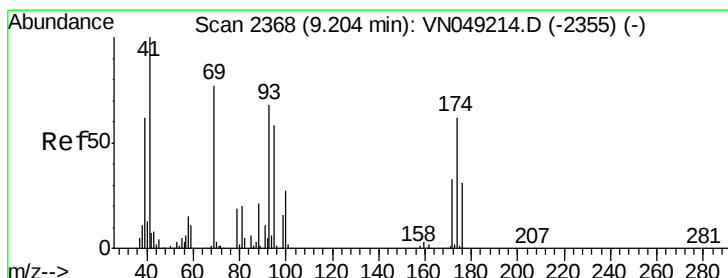
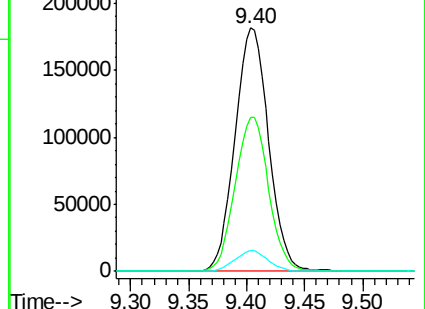
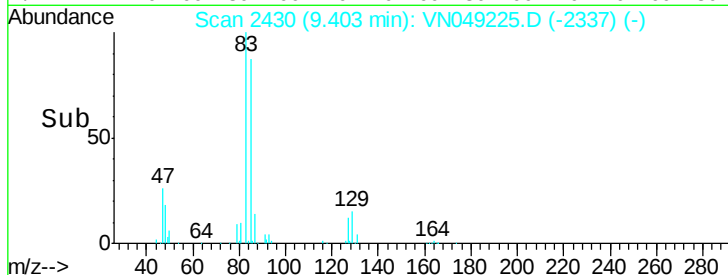


Abundance Ion 82.90 (82.60 to 83.60): VN049225.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049225.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049225.D (-2337) (-)

Time-->



#48

Methyl methacrylate

Concen: 18.407 ug/l

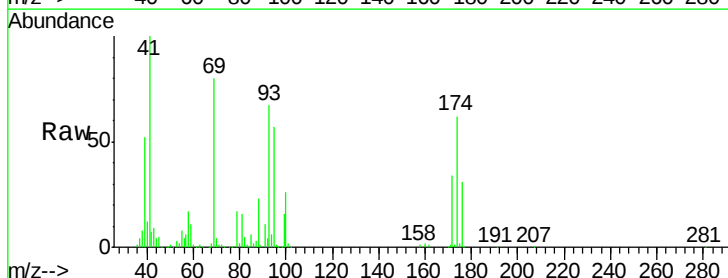
RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Tgt Ion:	41	Resp:	194901
Ion Ratio	Lower	Upper	
41	100		
69	86.8	62.0	93.0
39	58.4	50.6	75.8

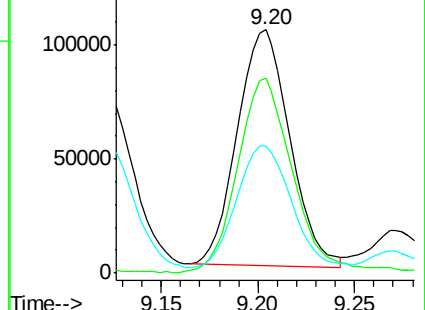
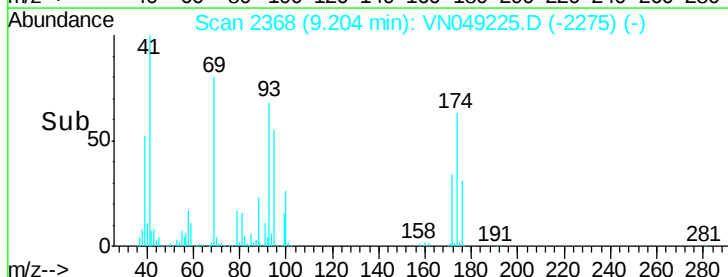


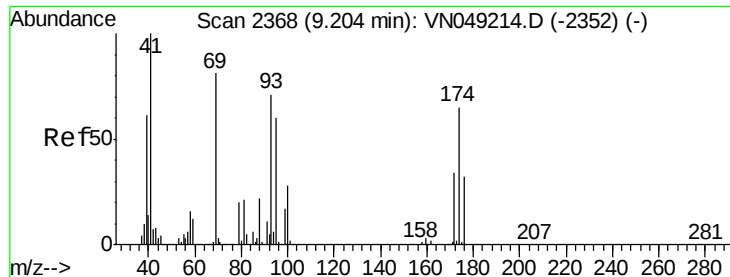
Abundance Ion 41.00 (40.70 to 41.70): VN049225.D (-2275) (-)

Ion 69.00 (68.70 to 69.70): VN049225.D (-2275) (-)

Ion 39.00 (38.70 to 39.70): VN049225.D (-2275) (-)

Time-->





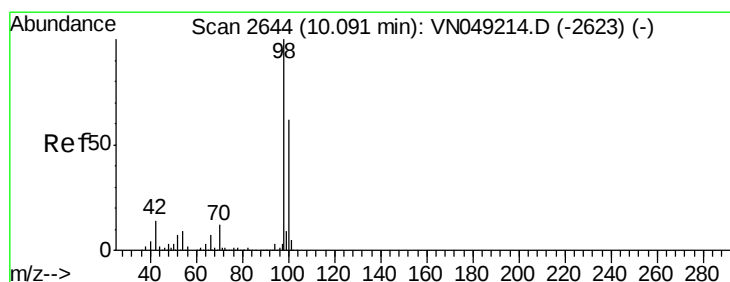
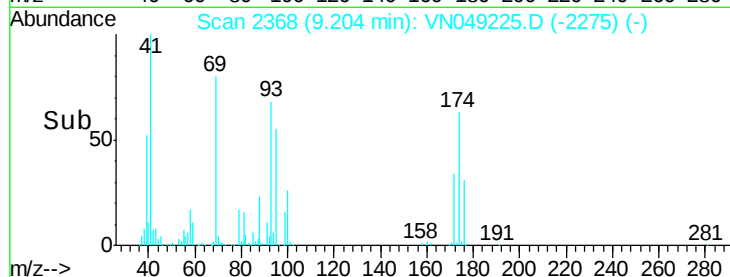
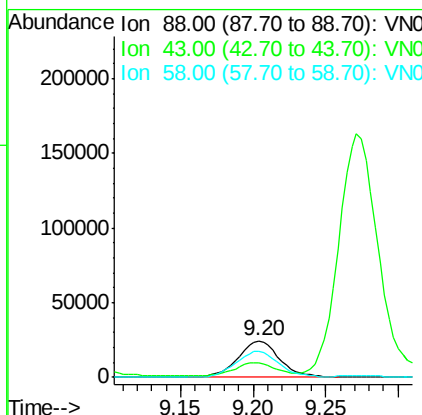
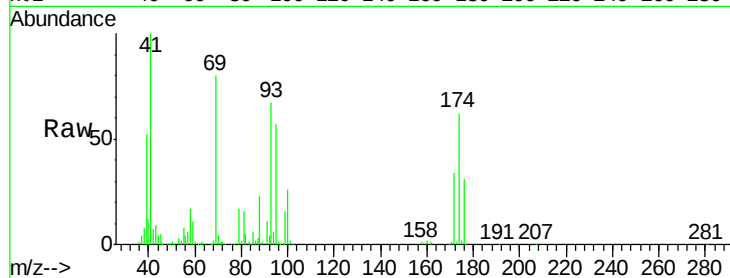
#49
1,4-Dioxane
Concen: 390.353 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	30.9	46.3
58	75.1	58.9	88.3

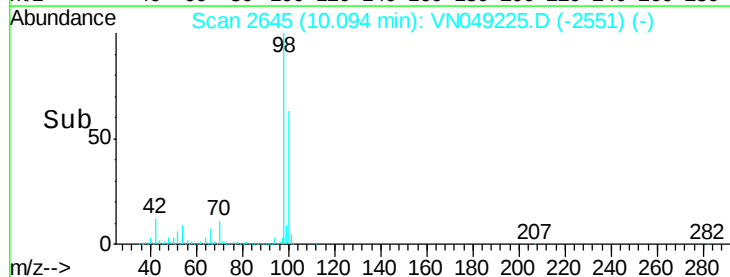
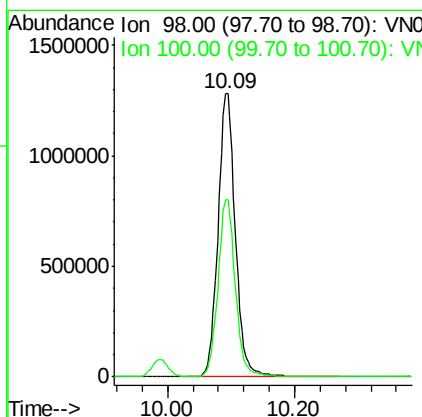
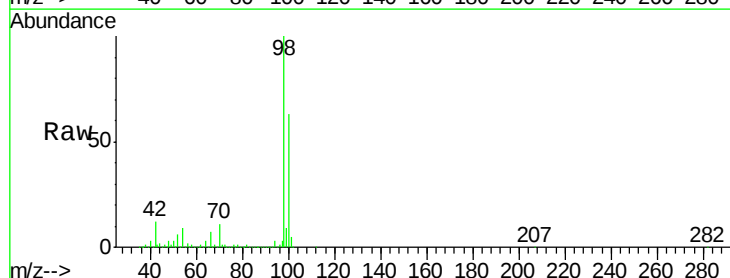
Manual Integrations
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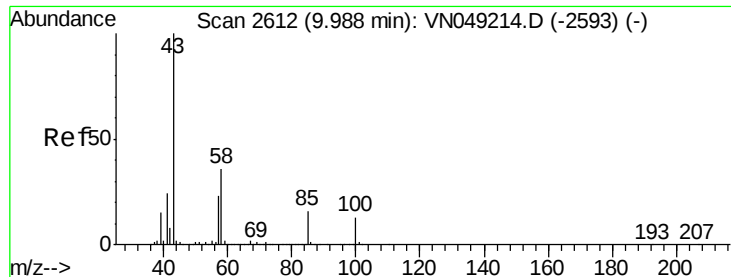
MMDadoda
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#50
Toluene-d8
Concen: 50.103 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	49.8	74.8





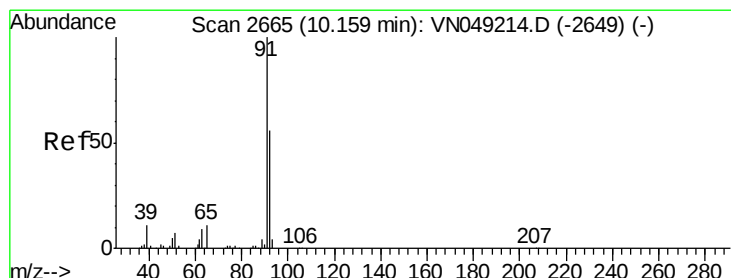
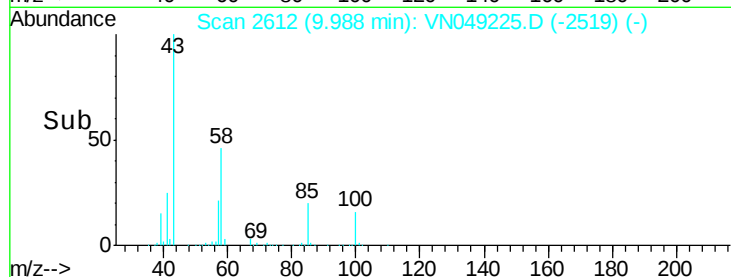
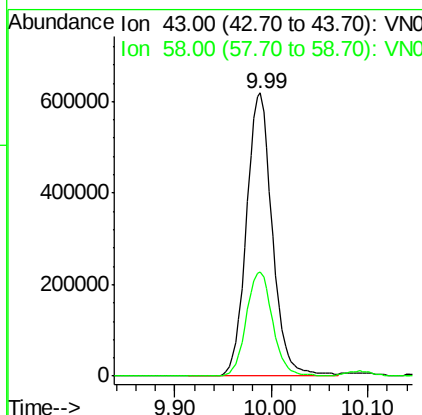
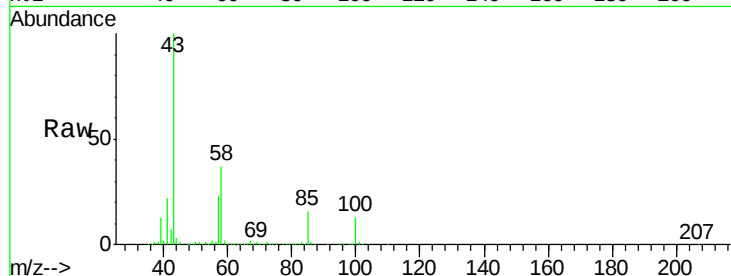
#51
4-Methyl-2-Pentanone
Concen: 99.153 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion: 43 Resp: 1144285
Ion Ratio Lower Upper
43 100
58 37.6 29.0 43.6

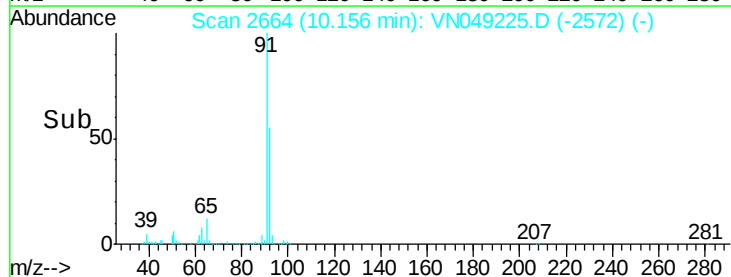
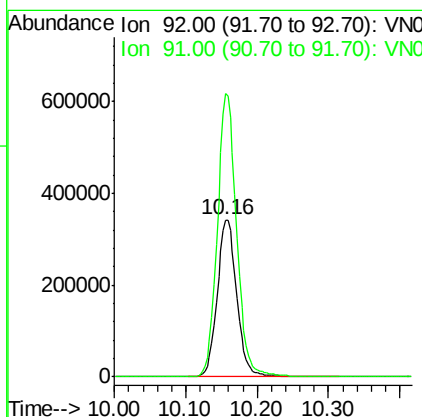
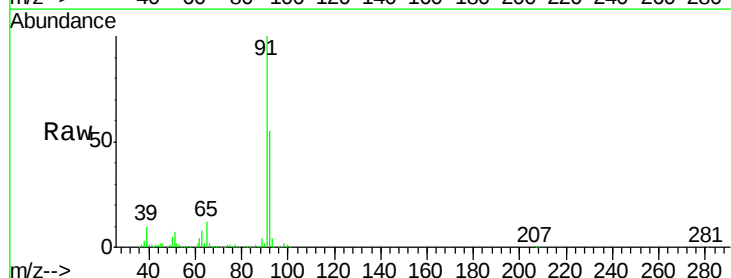
Manual Integrations
APPROVED

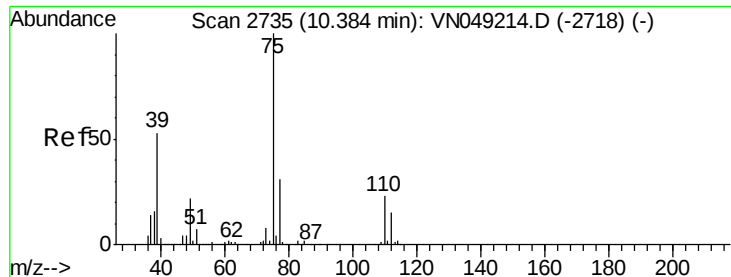
MMDadoda
6/15/2018 1:15:22 PM



#52
Toluene
Concen: 19.693 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Tgt Ion: 92 Resp: 648121
Ion Ratio Lower Upper
92 100
91 178.1 143.4 215.2





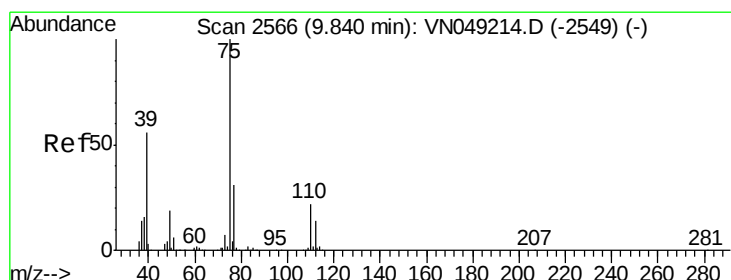
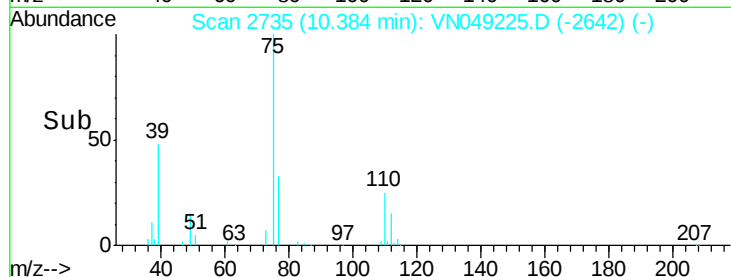
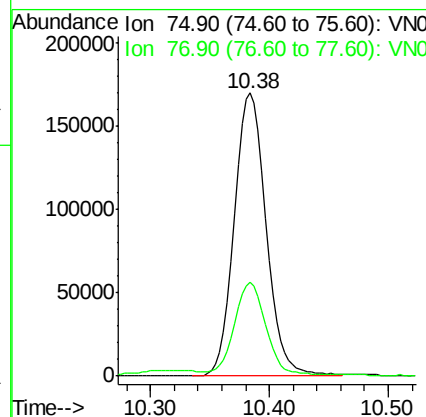
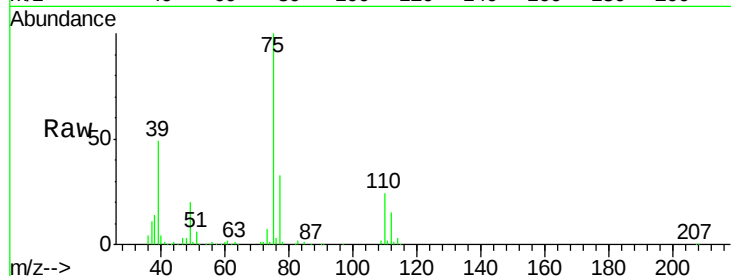
#53
t-1,3-Dichloropropene
Concen: 17.249 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.2	37.8

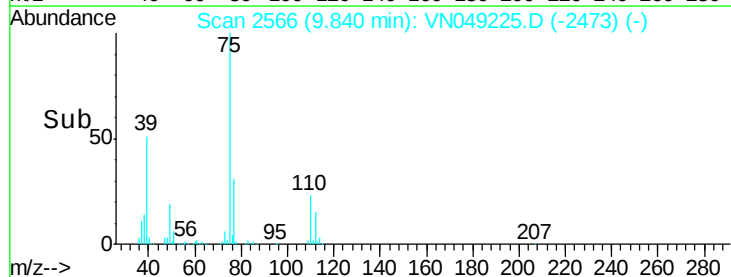
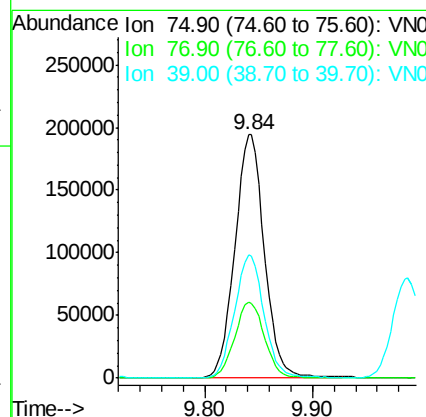
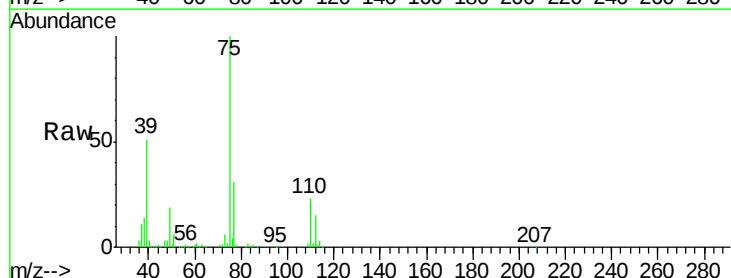
Manual Integrations
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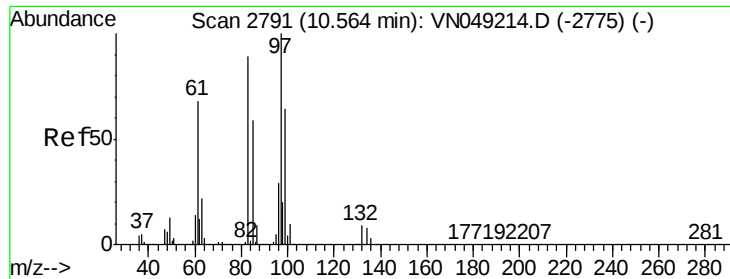
MMDadoda
6/15/2018 1:15:22 PM



#54
cis-1,3-Dichloropropene
Concen: 17.391 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.8	37.2
39	50.7	45.1	67.7





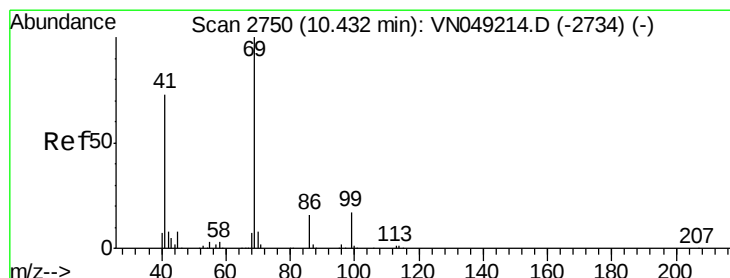
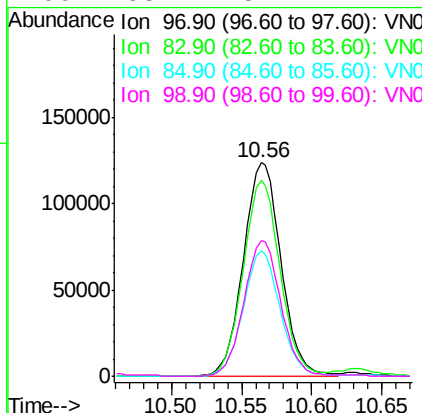
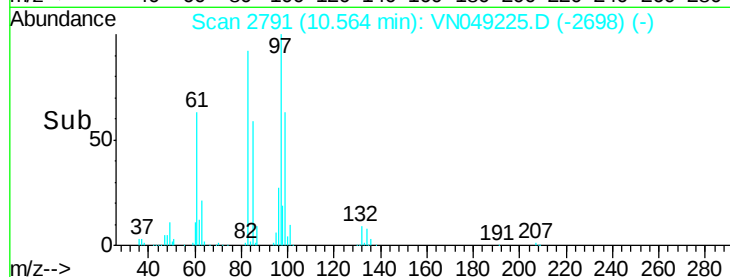
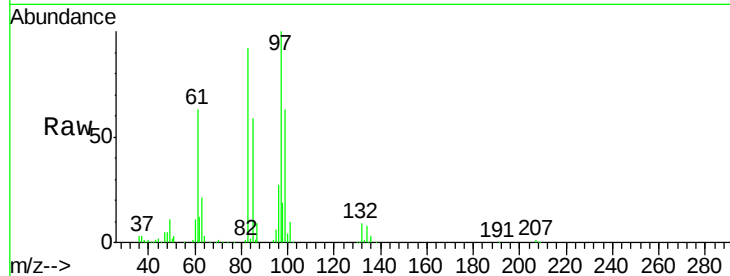
#55
 1,1,2-Trichloroethane
 Concen: 19.206 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049225.D
 Acq: 14 Jun 2018 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		231965		
83	92.0	71.5	107.3		
85	59.0	47.0	70.4		
99	63.1	51.4	77.2		

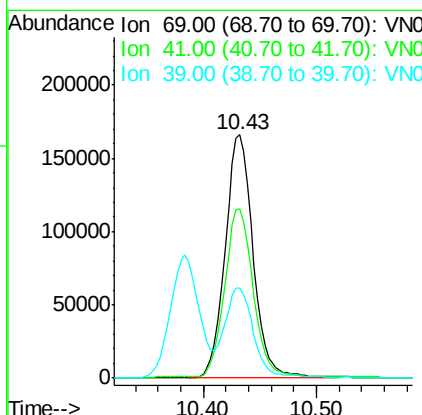
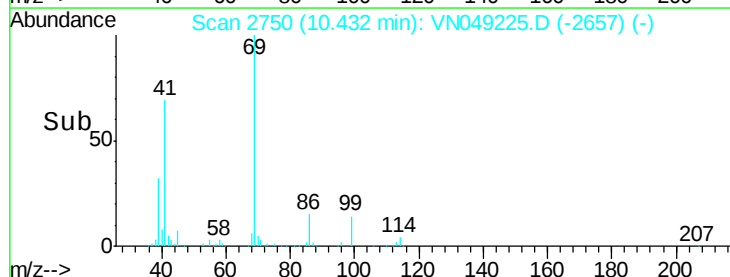
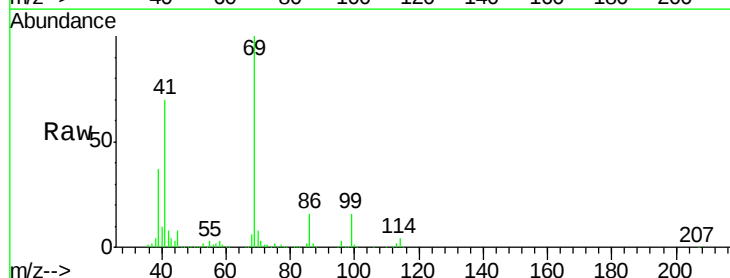
Manual Integrations
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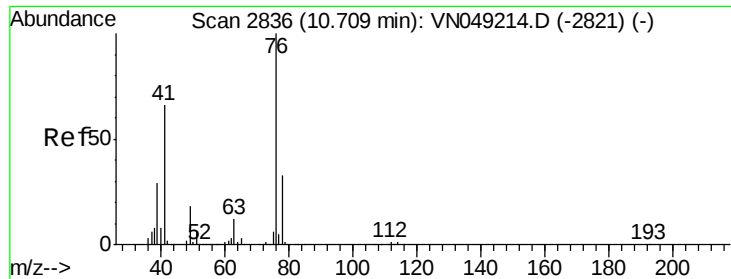
MMDadoda
 6/15/2018 1:15:22 PM



#56
 Ethyl methacrylate
 Concen: 19.642 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049225.D
 Acq: 14 Jun 2018 14:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		285991		
41	70.3	58.4	87.6		
39	37.8	35.5	53.3		





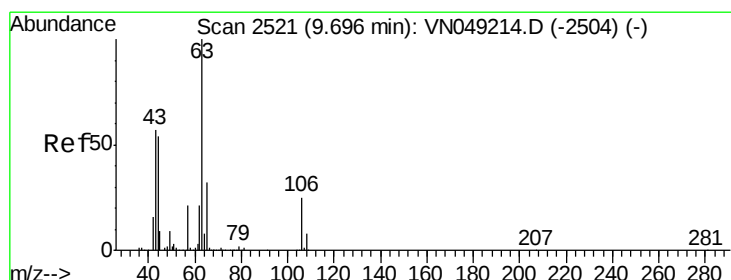
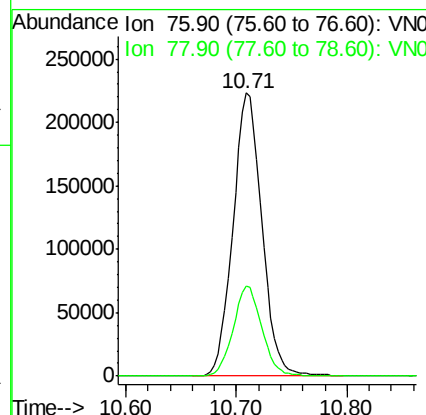
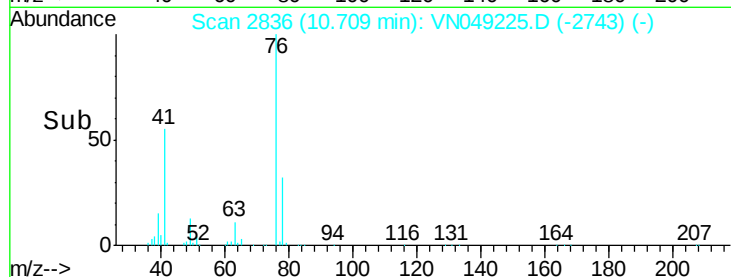
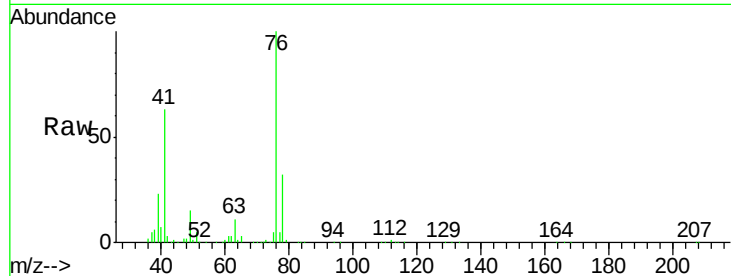
#57
 1,3-Dichloropropane
 Concen: 19.591 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049225.D
 Acq: 14 Jun 2018 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion: 76 Resp: 405758
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.3 39.5

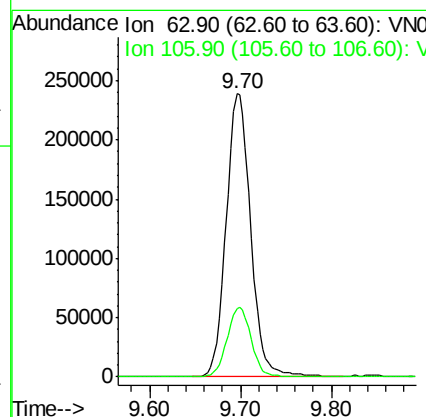
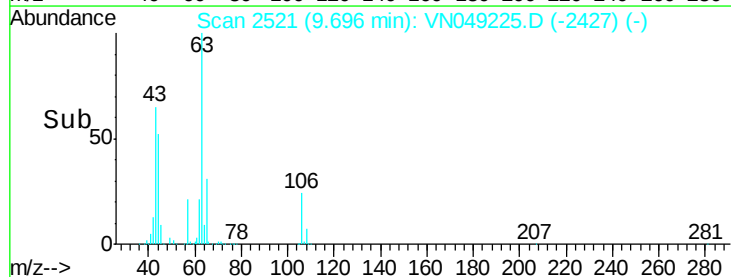
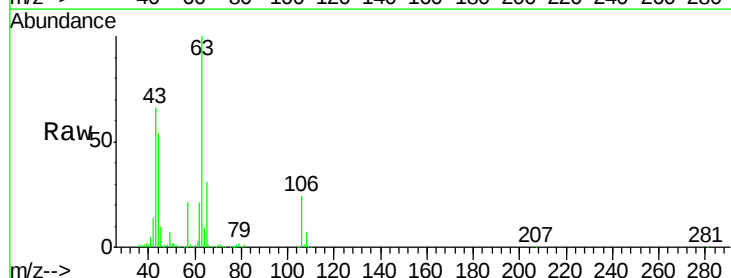
Manual Integrations
 APPROVED

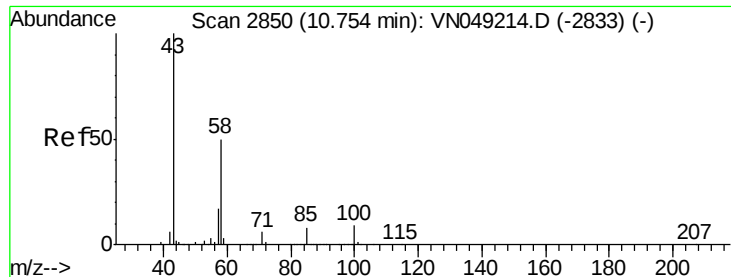
MMDadoda
 6/15/2018 1:15:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.785 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049225.D
 Acq: 14 Jun 2018 14:07

Tgt Ion: 63 Resp: 447208
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.4 29.2





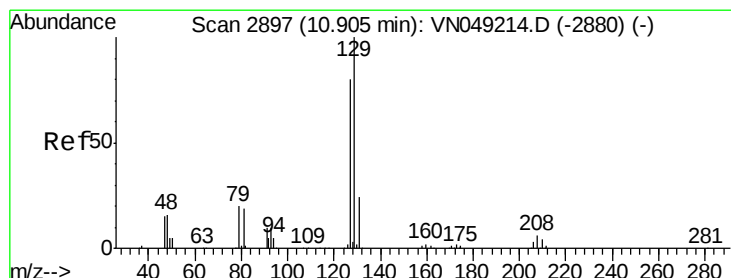
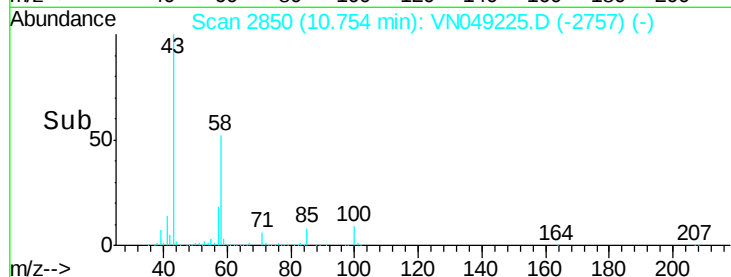
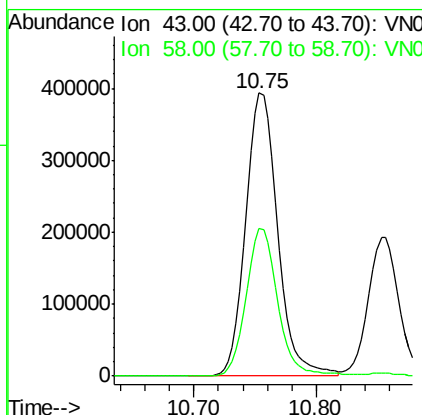
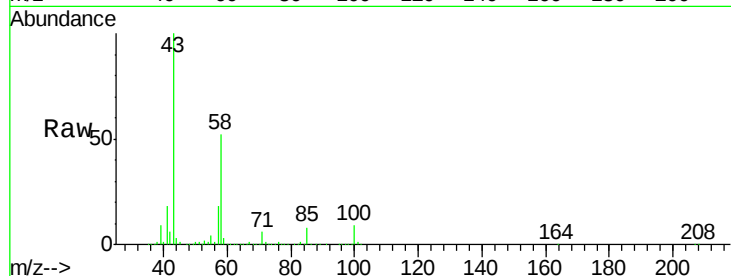
#59
2-Hexanone
Concen: 98.186 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion: 43 Resp: 706059
Ion Ratio Lower Upper
43 100
58 51.7 25.2 75.6

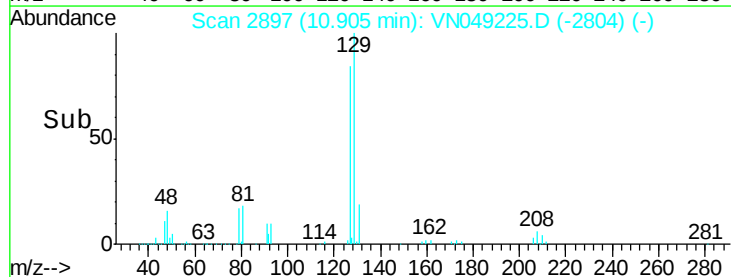
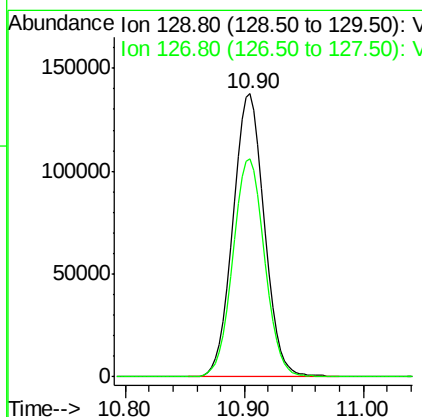
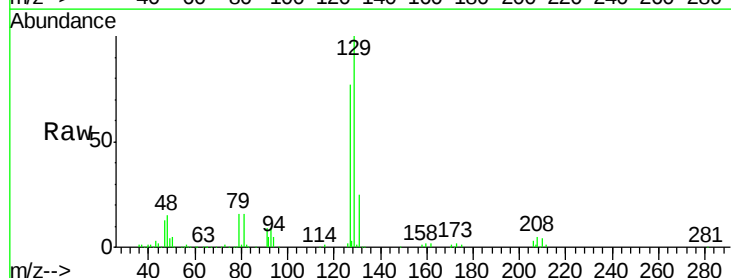
Manual Integrations
APPROVED

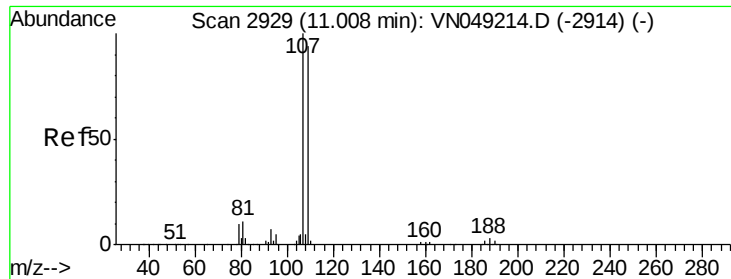
MMDadoda
6/15/2018 1:15:22 PM



#60
Dibromochloromethane
Concen: 18.828 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Tgt Ion: 129 Resp: 252186
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.878 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion:107 Resp: 222041

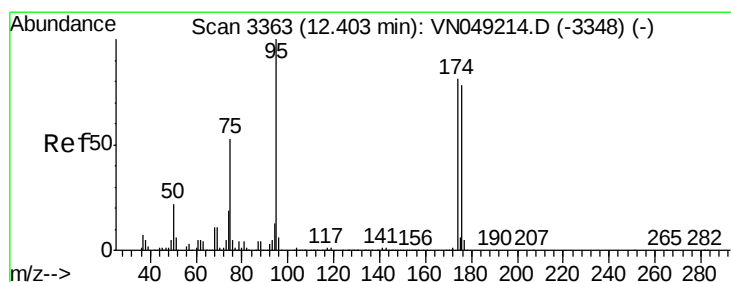
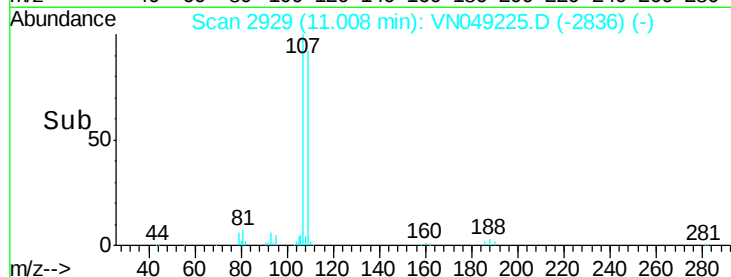
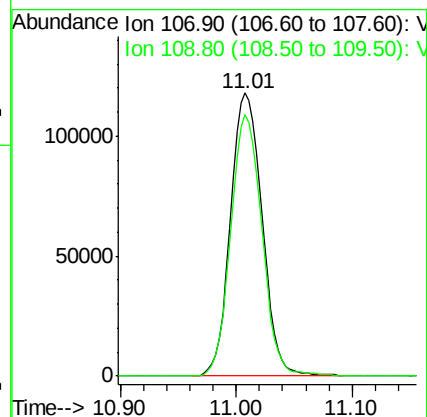
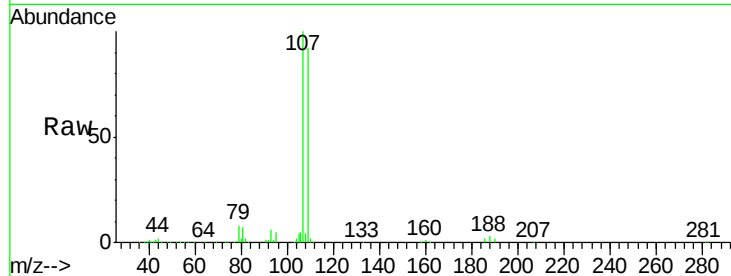
Ion Ratio Lower Upper

107 100

109 91.4 75.4 113.2

Manual Integrations
APPROVED

MMDadoda
6/15/2018 1:15:22 PM



#62

4-Bromofluorobenzene

Concen: 48.237 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

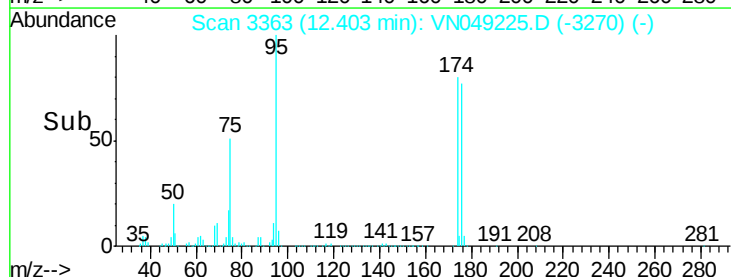
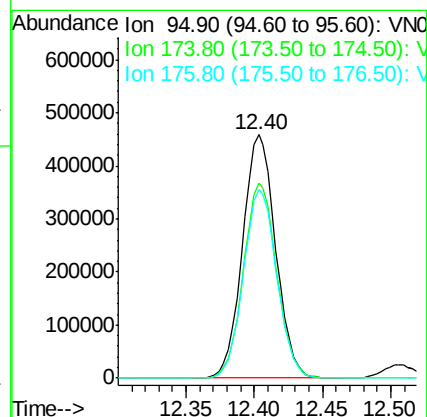
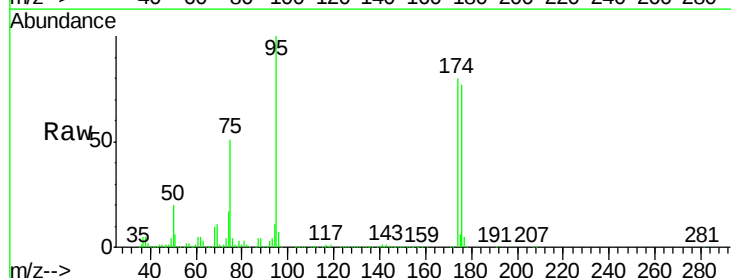
Tgt Ion: 95 Resp: 770272

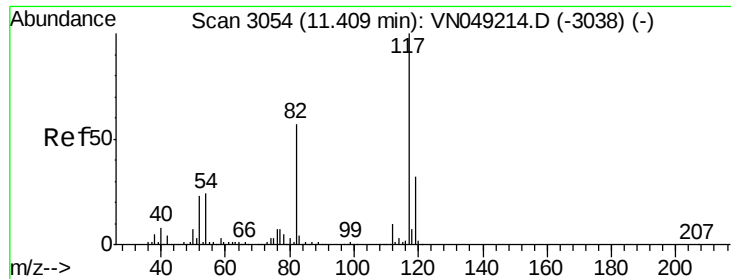
Ion Ratio Lower Upper

95 100

174 80.9 0.0 165.6

176 78.2 0.0 157.4





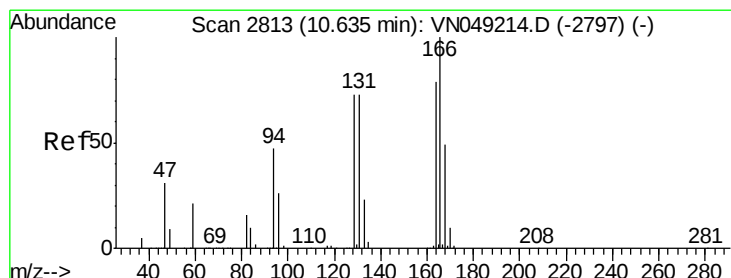
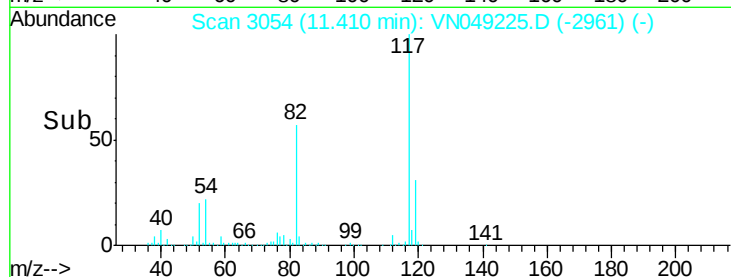
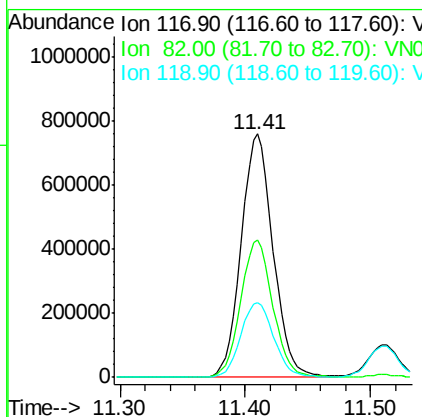
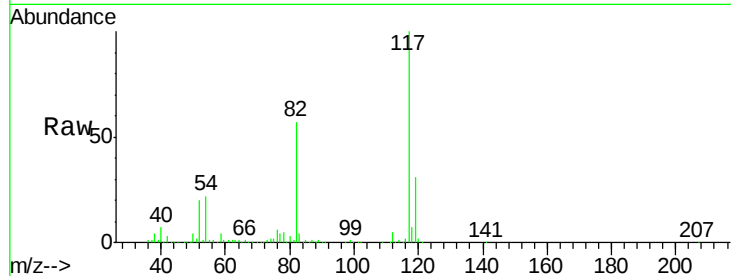
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion:117 Resp: 1347478
Ion Ratio Lower Upper
117 100
82 56.5 45.9 68.9
119 30.8 25.5 38.3

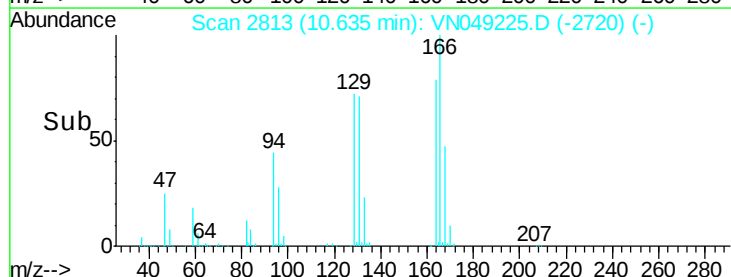
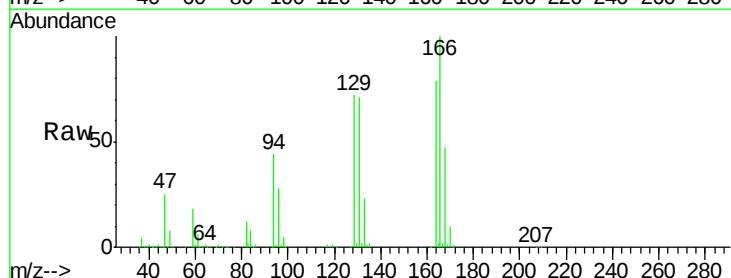
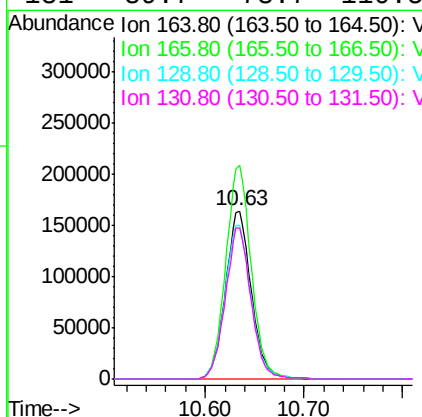
Manual Integrations
APPROVED

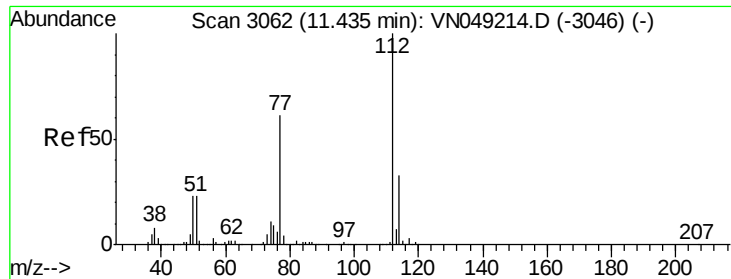
MMDadoda
6/15/2018 1:15:22 PM



#64
Tetrachloroethene
Concen: 22.167 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Tgt Ion:164 Resp: 299277
Ion Ratio Lower Upper
164 100
166 126.9 101.4 152.2
129 91.5 74.1 111.1
131 89.7 73.7 110.5





#65

Chlorobenzene

Concen: 19.354 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion:112 Resp: 672779

Ion Ratio Lower Upper

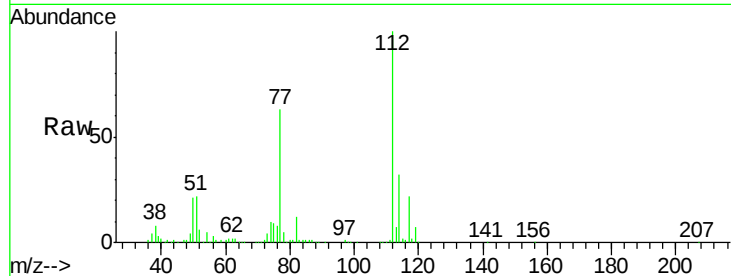
112 100

114 32.0 26.2 39.4

Manual Integrations
APPROVED

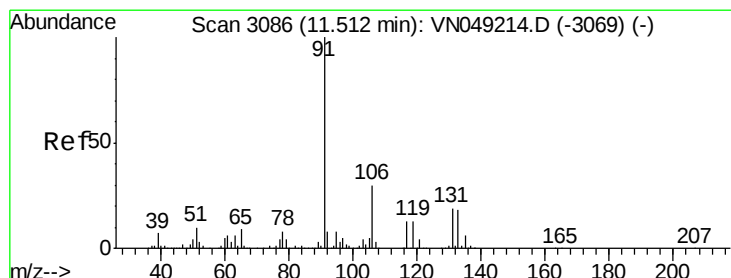
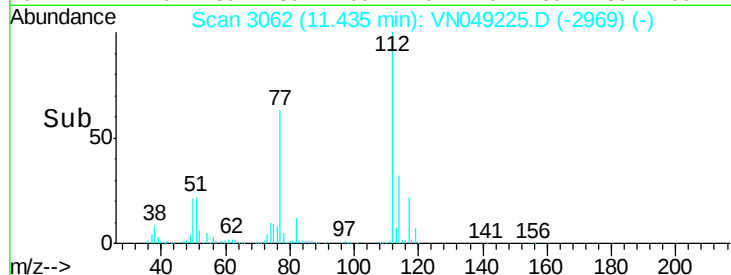
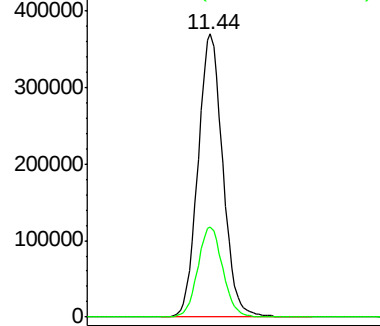
MMDadoda

6/15/2018 1:15:22 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.991 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

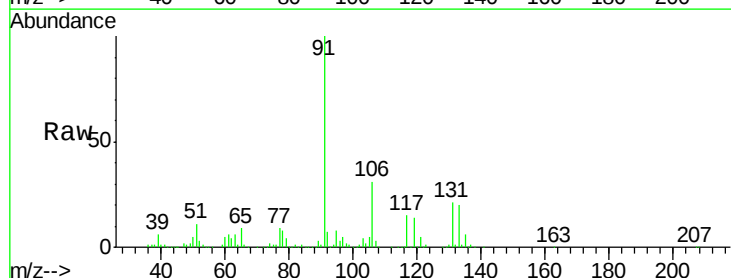
Tgt Ion:131 Resp: 251102

Ion Ratio Lower Upper

131 100

133 95.1 48.0 144.2

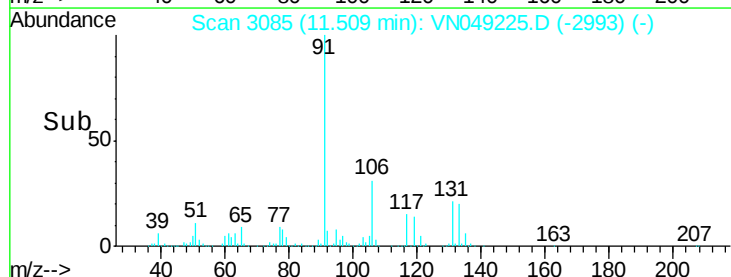
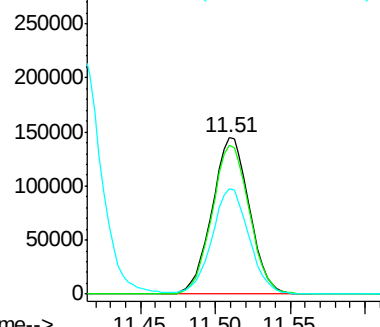
119 66.6 33.6 100.8

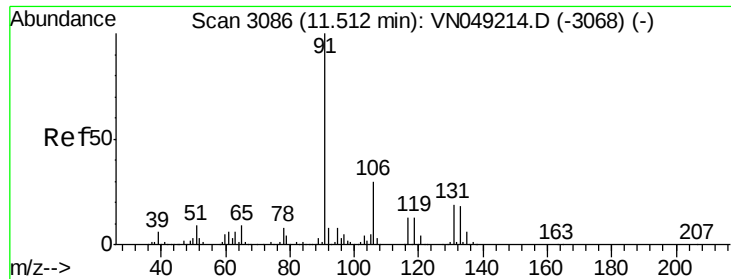


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





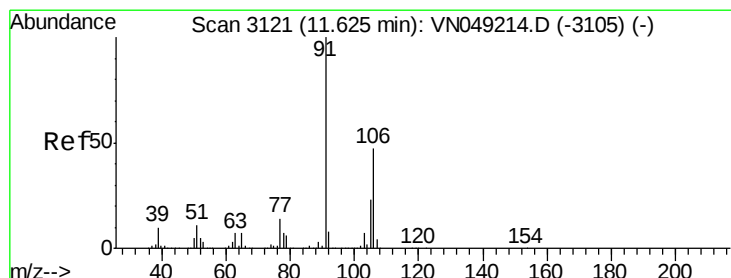
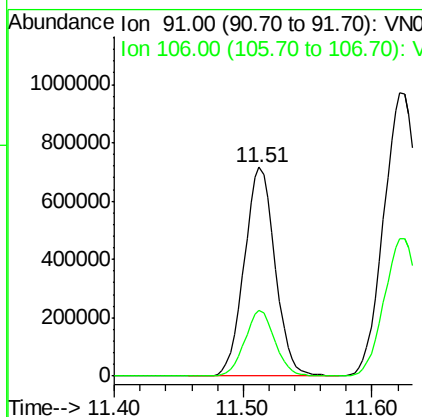
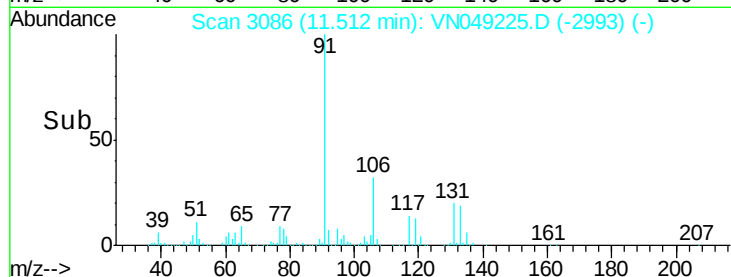
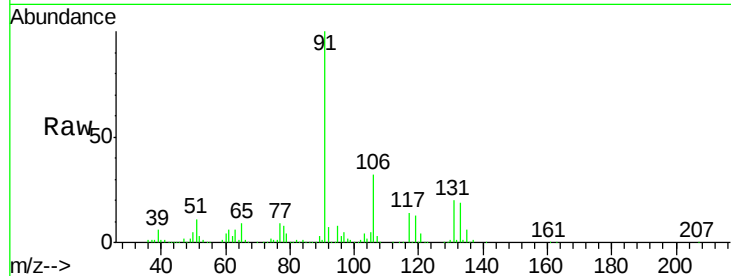
#67
Ethyl Benzene
Concen: 19.850 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampled :
VN0614WBS01

Tot Ion: 91 Resp: 1190402
Ion Ratio Lower Upper
91 100
106 31.5 23.9 35.9

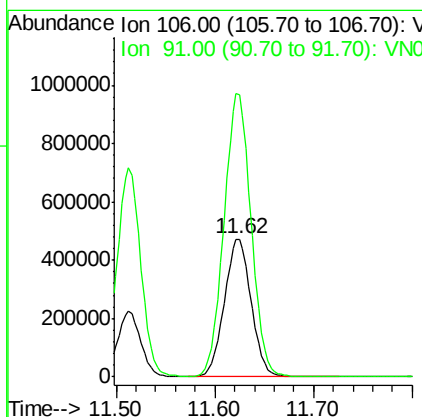
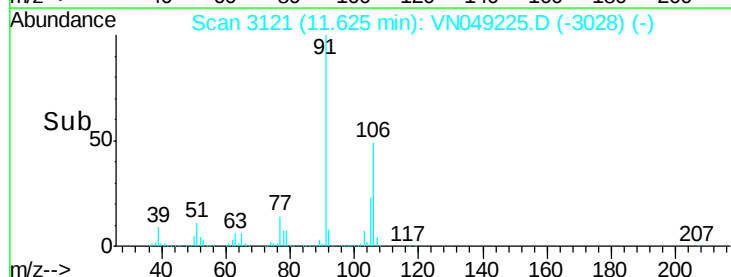
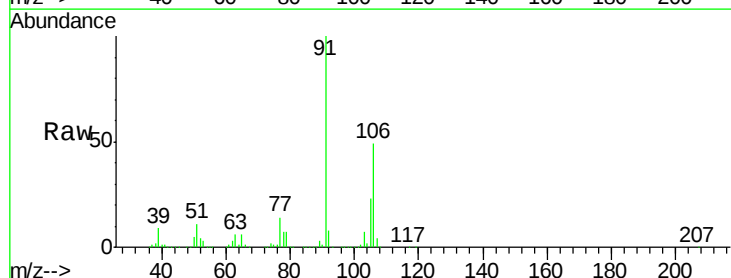
Manual Integrations
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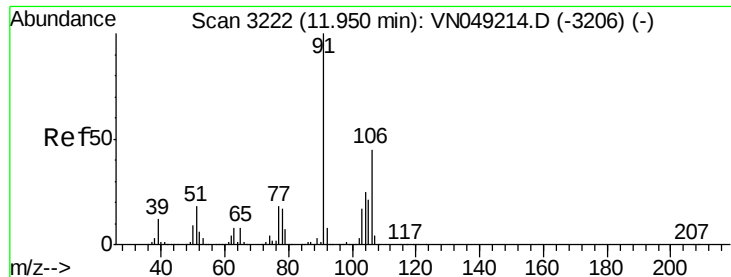
MMDadoda
6/15/2018 1:15:22 PM



#68
m/p-Xylenes
Concen: 40.935 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Tgt Ion: 106 Resp: 897699
Ion Ratio Lower Upper
106 100
91 207.6 167.3 250.9





#69

o-Xylene

Concen: 20.415 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion:106 Resp: 431141

Ion Ratio Lower Upper

106 100

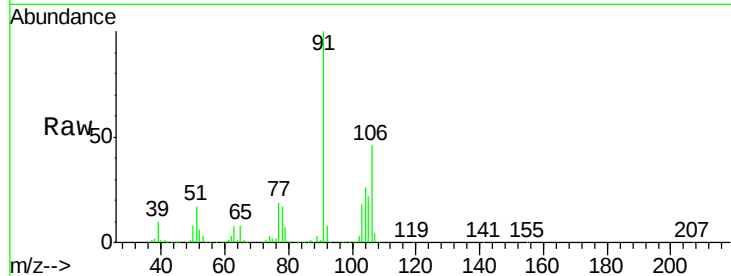
91 217.5 111.0 333.0

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

500000

400000

300000

200000

100000

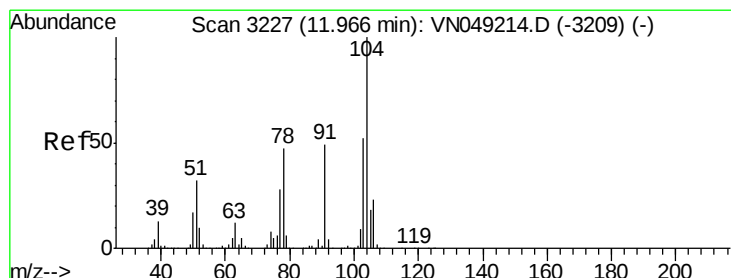
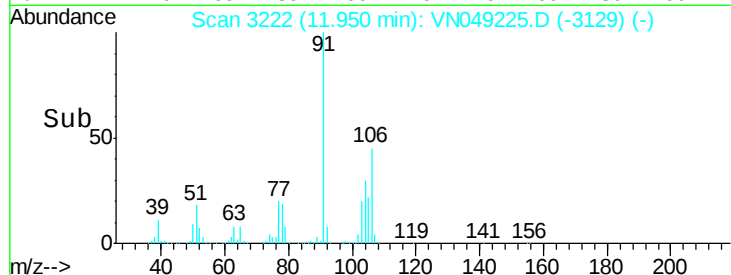
0

11.90

11.95

12.00

Time-->



#70

Styrene

Concen: 20.563 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

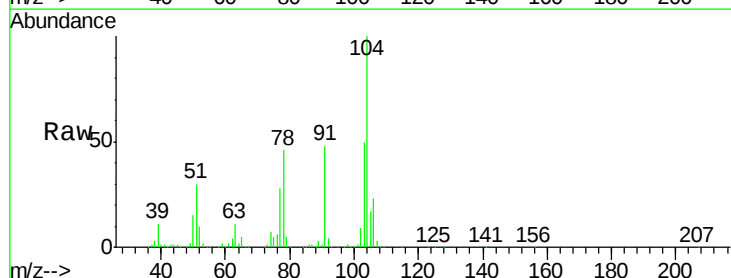
Tgt Ion:104 Resp: 687534

Ion Ratio Lower Upper

104 100

78 50.9 41.6 62.4

103 55.0 45.4 68.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

500000

400000

300000

200000

100000

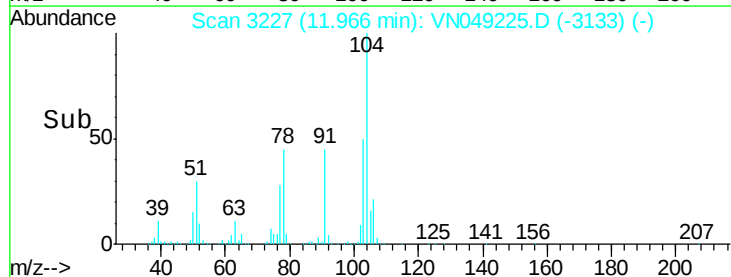
0

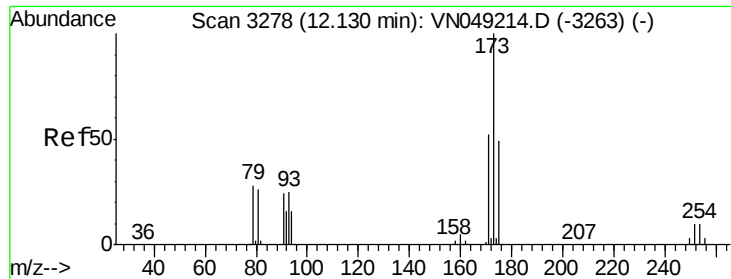
11.90

11.97

12.00

Time-->





#71

Bromoform

Concen: 19.184 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

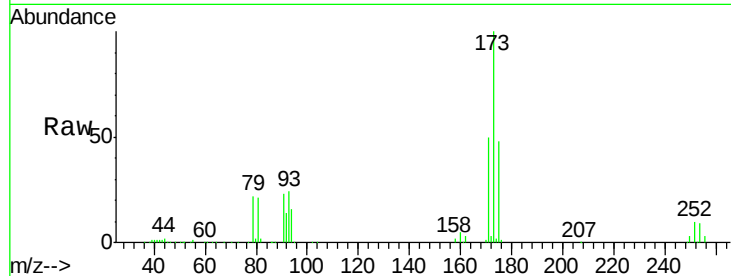
ClientSampleId :

VN0614WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	48.0	24.5	73.5		
254	0.0	0.1	0.1#		

Manual Integrations
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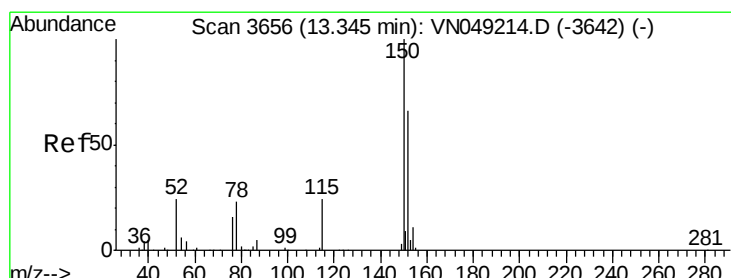
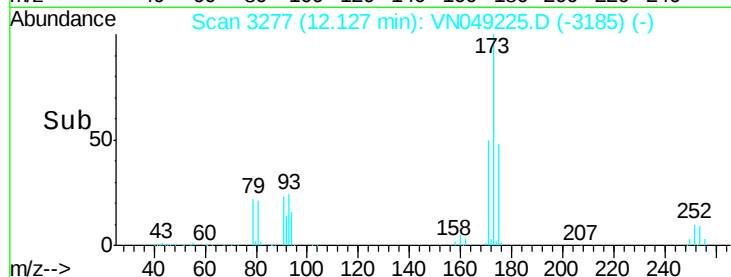
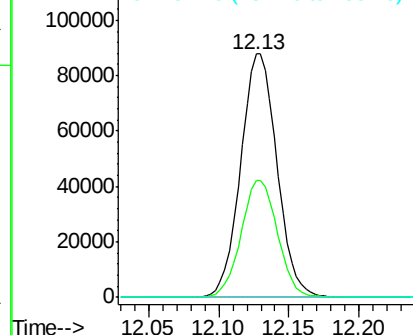


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

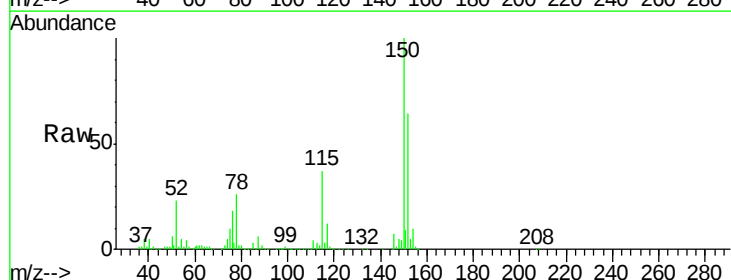
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	58.6	28.7	86.1		
150	163.4	0.0	351.0		

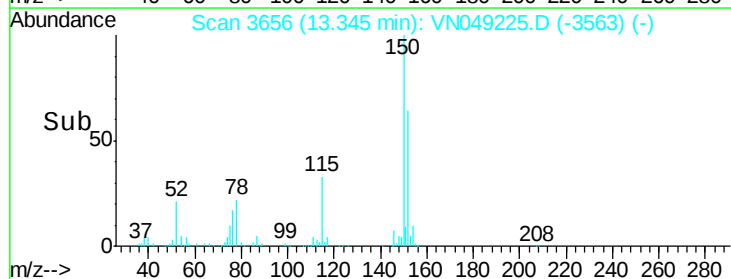
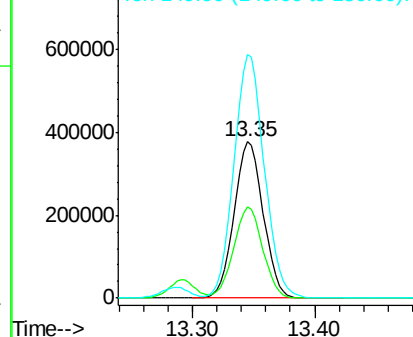


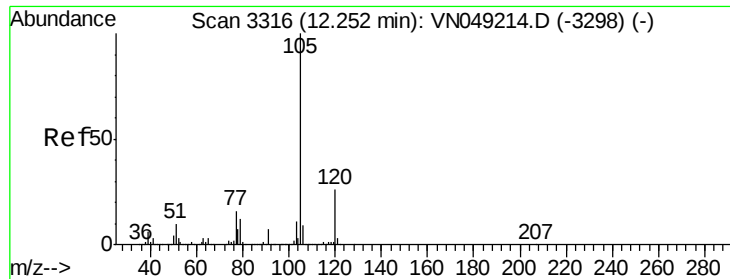
Abundance

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: 19.059 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion:105 Resp: 1143003

Ion Ratio Lower Upper

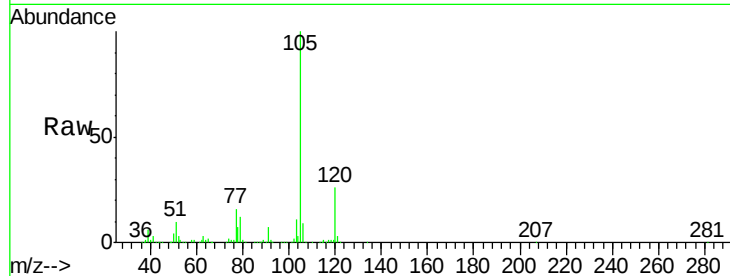
105 100

120 25.8 12.8 38.3

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

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

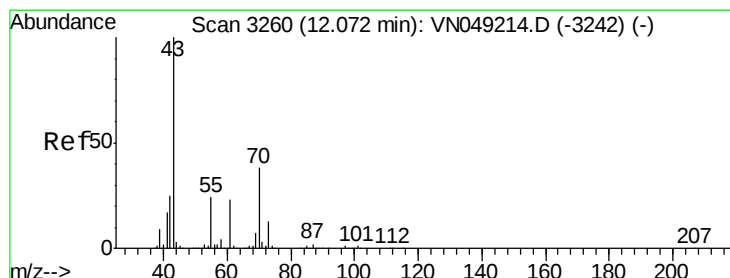
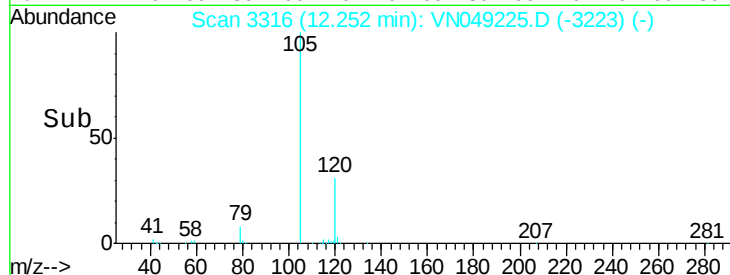
200000

0

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 18.335 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Tgt Ion: 43 Resp: 313238

Ion Ratio Lower Upper

43 100

70 39.5 30.3 45.5

55 25.5 19.4 29.2

61 22.5 17.8 26.6

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

250000

200000

150000

100000

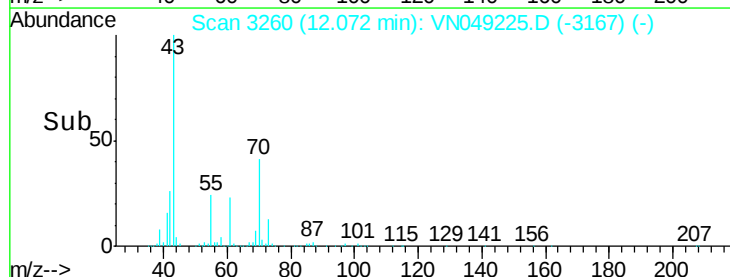
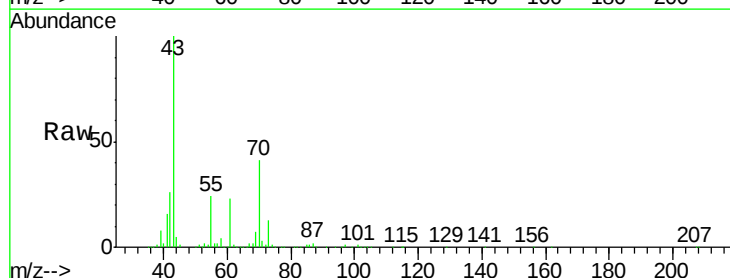
50000

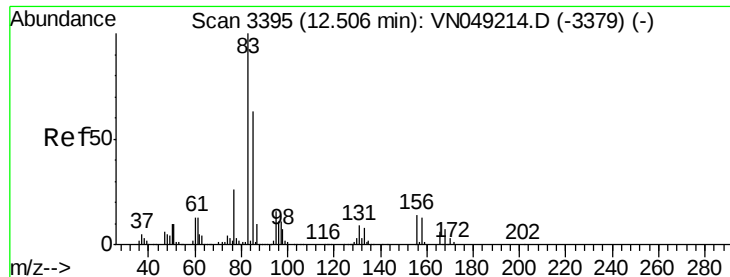
0

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.017 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 83 Resp: 277592

Ion Ratio Lower Upper

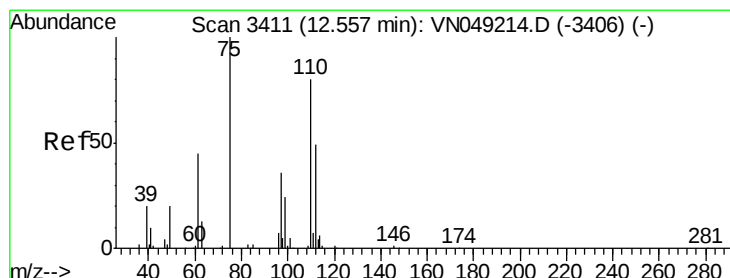
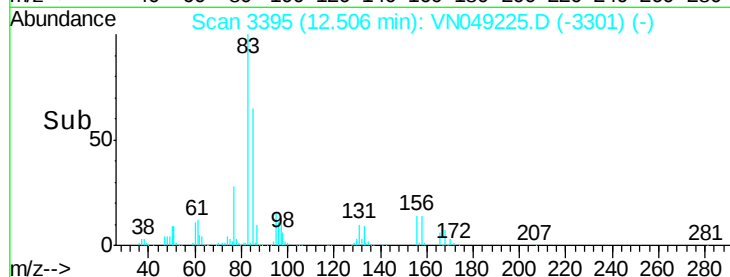
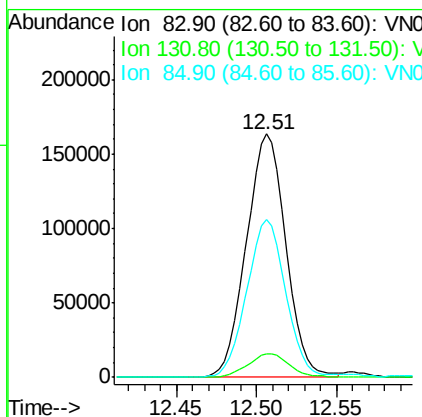
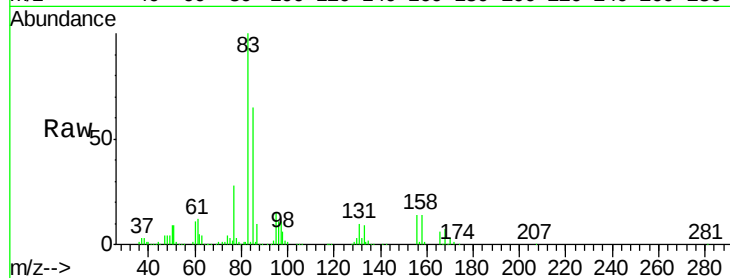
83 100

131 10.1 5.0 15.0

85 63.7 32.0 96.0

Manual Integrations
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6/15/2018 1:15:22 PM



#76

1,2,3-Trichloropropane

Concen: 20.744 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049225.D

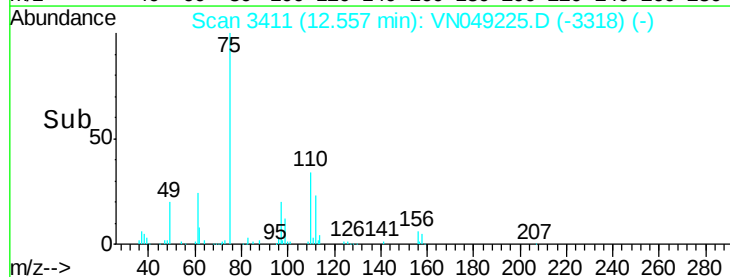
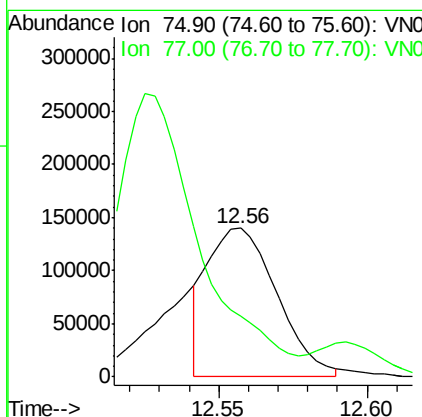
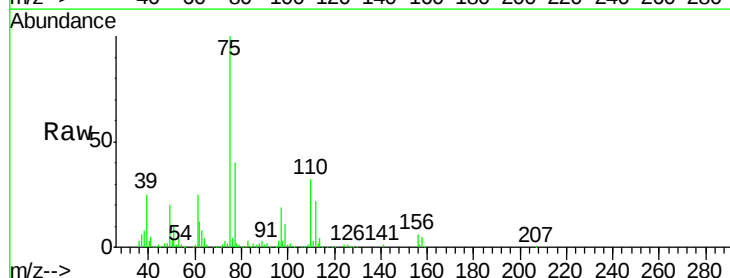
Acq: 14 Jun 2018 14:07

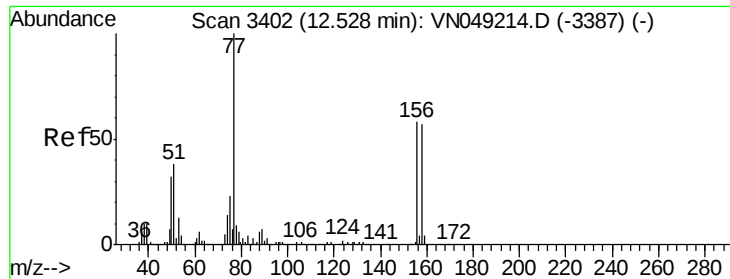
Tgt Ion: 75 Resp: 228341

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.560 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

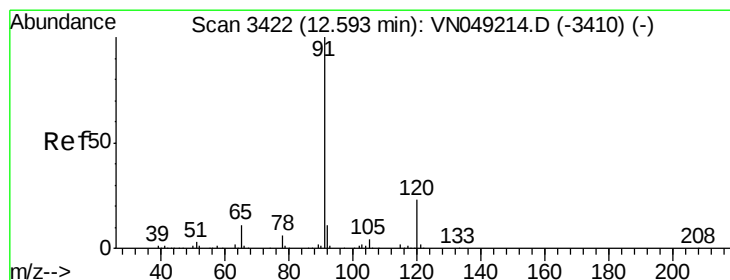
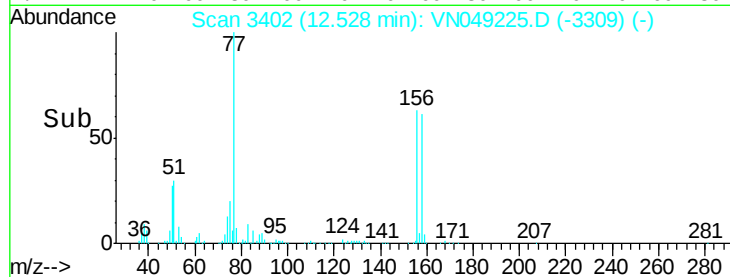
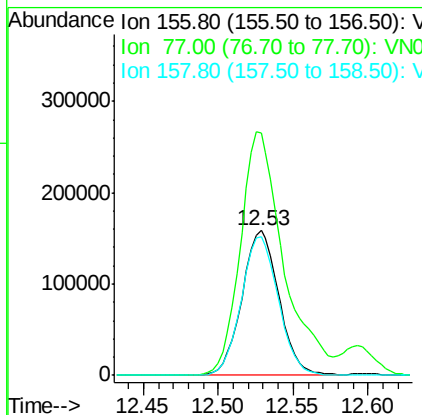
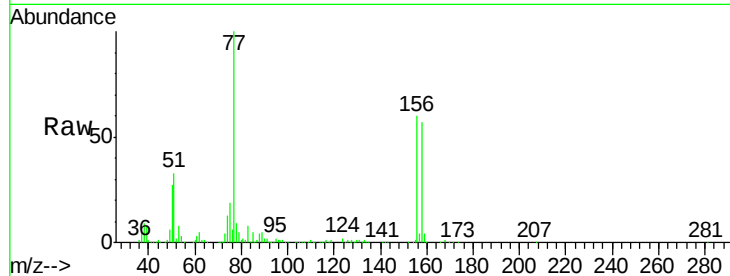
ClientSampleId :

VN0614WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	196.7	100.8	302.4	
158	95.8	49.3	147.9	

Manual Integrations
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6/15/2018 1:15:22 PM



#78

n-propylbenzene

Concen: 19.528 ug/l

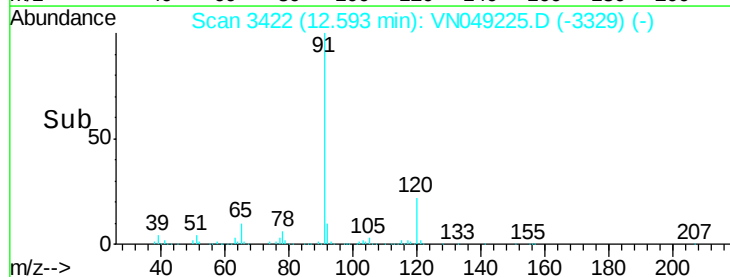
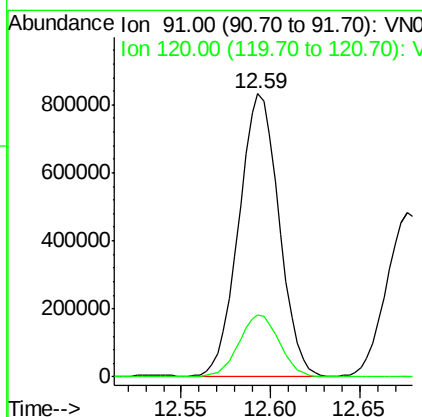
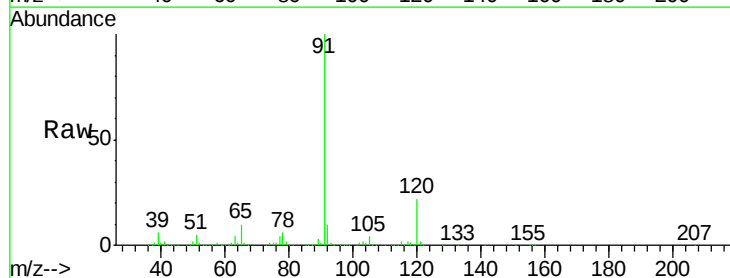
RT: 12.59 min Scan# 3422

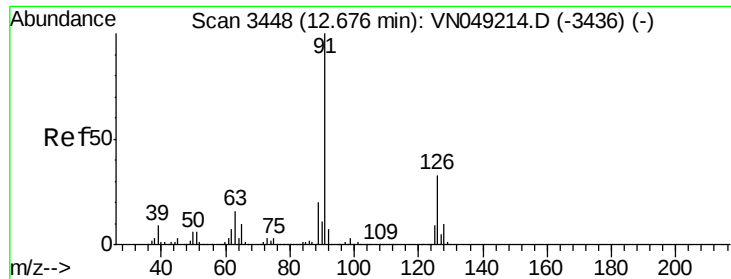
Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.0	11.2	33.5	





#79

2-Chlorotoluene

Concen: 19.019 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 91 Resp: 799102

Ion Ratio Lower Upper

91 100

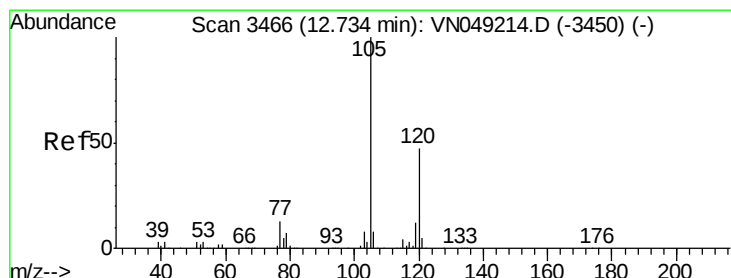
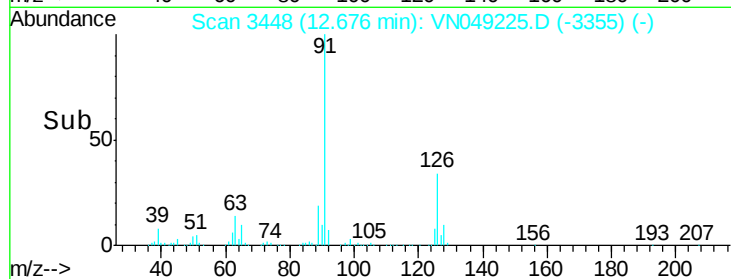
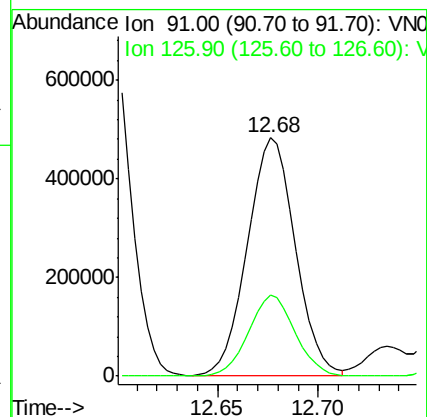
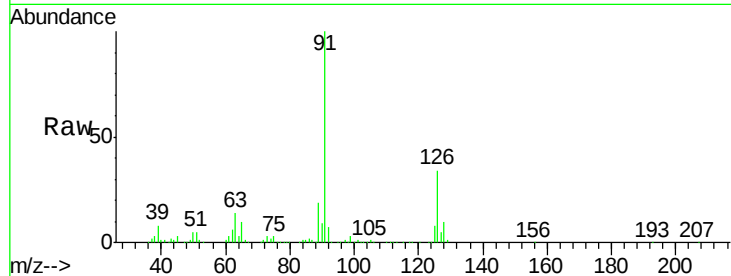
126 33.3 16.6 49.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.204 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049225.D

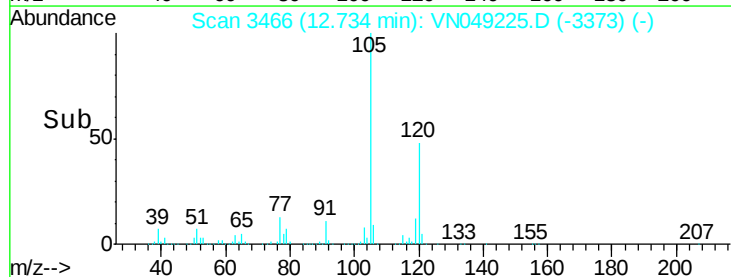
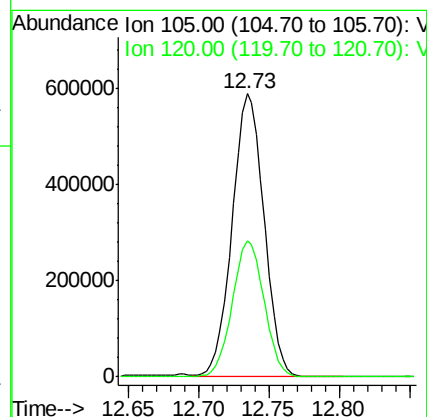
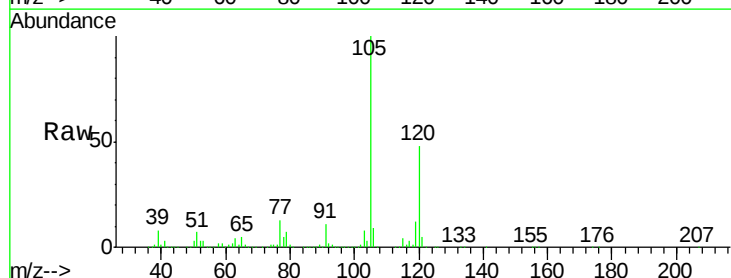
Acq: 14 Jun 2018 14:07

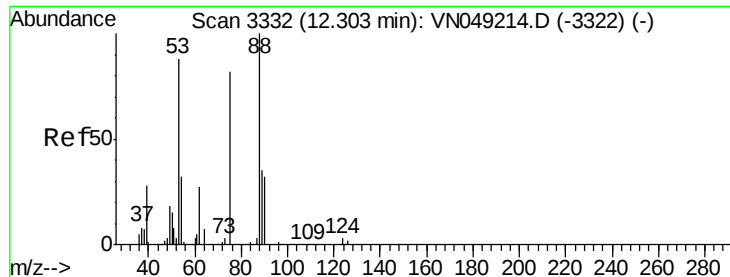
Tgt Ion: 105 Resp: 929054

Ion Ratio Lower Upper

105 100

120 48.0 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 14.851 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion: 75 Resp: 55499

Ion Ratio Lower Upper

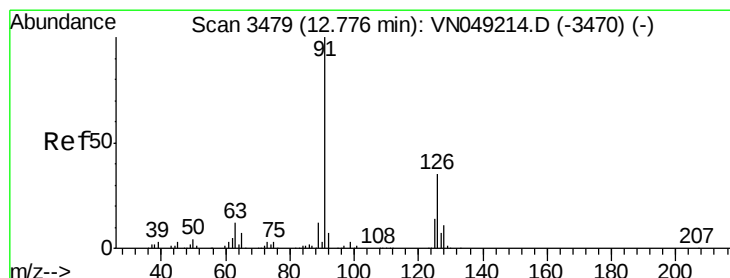
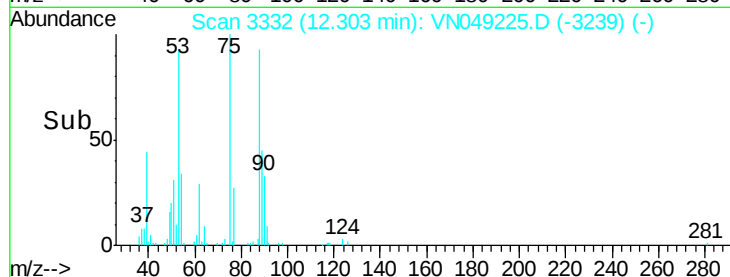
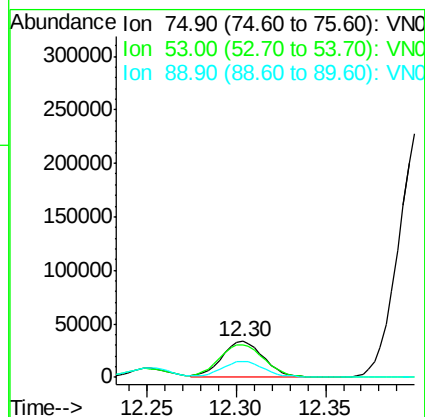
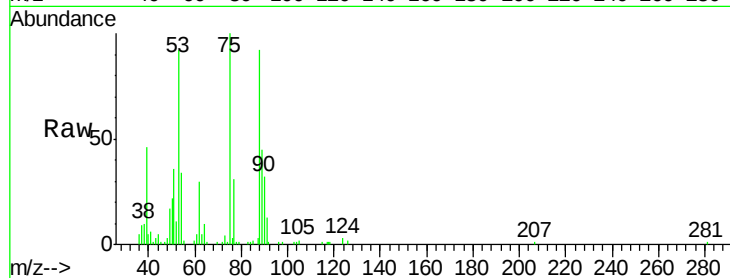
75 100

53 96.1 82.7 124.1

89 44.9 36.5 54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.641 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049225.D

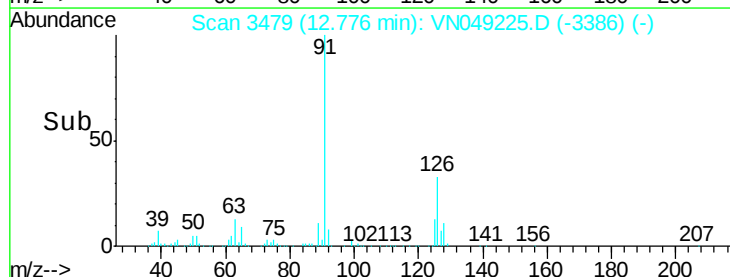
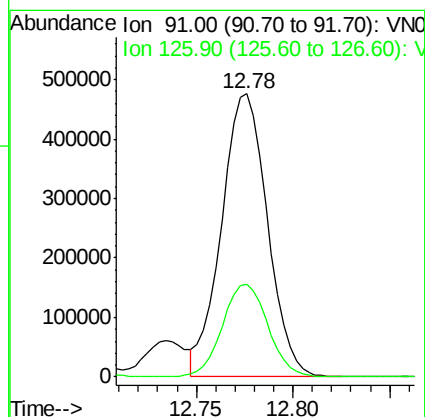
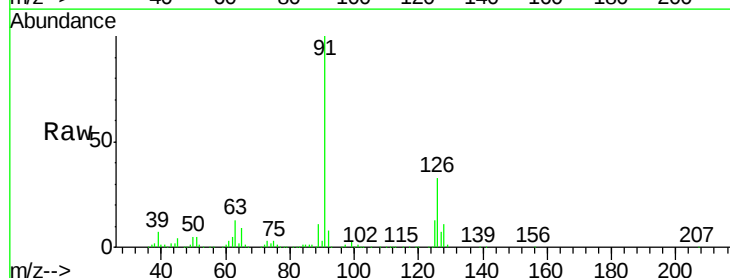
Acq: 14 Jun 2018 14:07

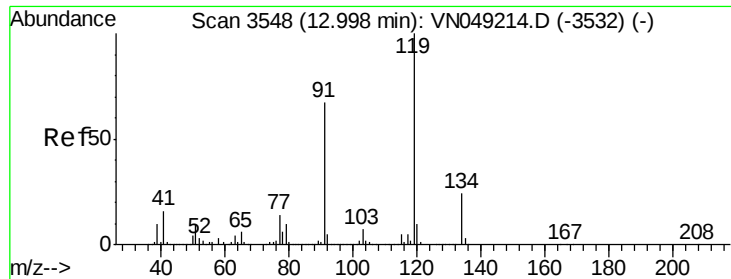
Tgt Ion: 91 Resp: 782761

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.1





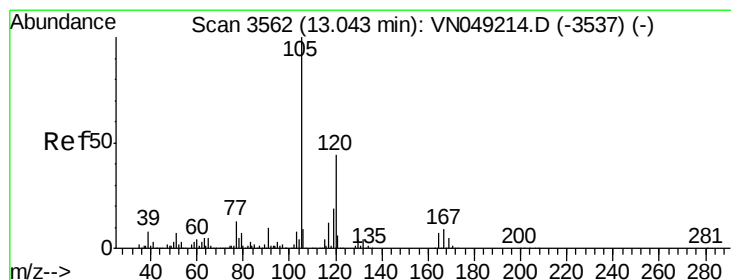
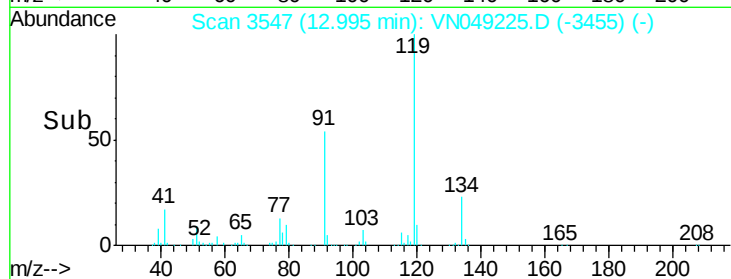
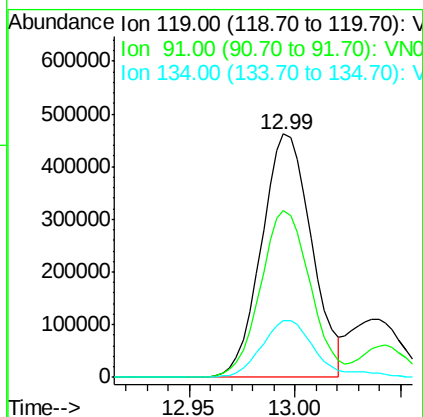
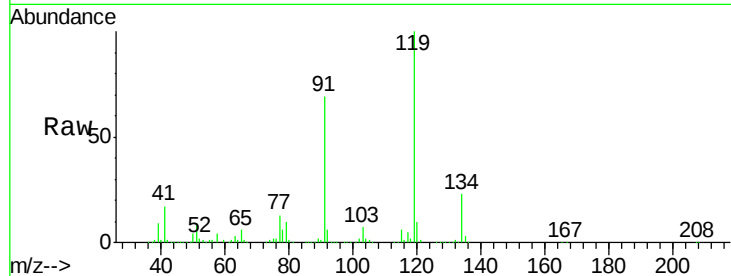
#83
tert-Butylbenzene
Concen: 19.308 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	33.7	101.0
134	25.3	12.9	38.6

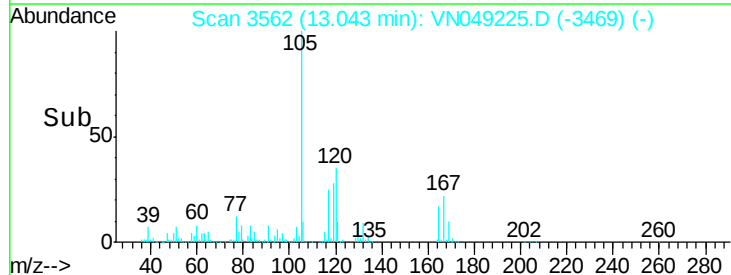
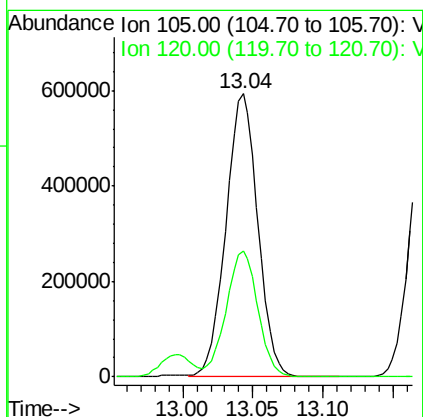
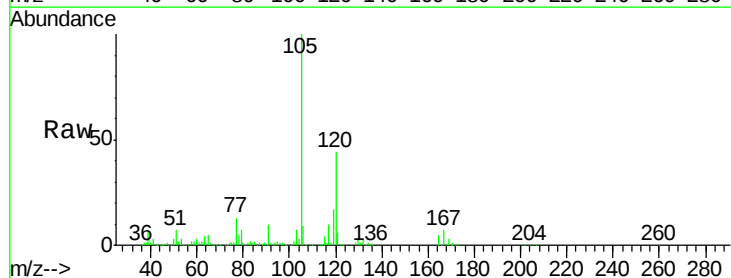
Manual Integrations
APPROVED

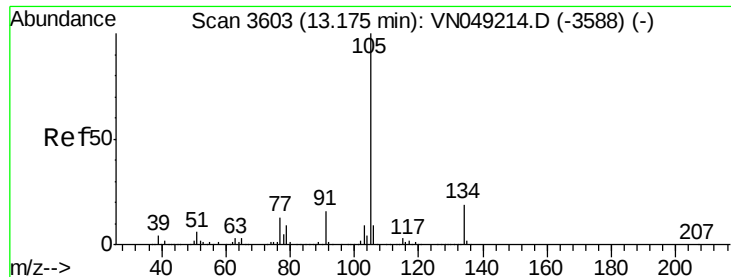
MMDadoda
6/15/2018 1:15:22 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.440 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.2	66.6





#85

sec-Butylbenzene

Concen: 19.725 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBS01

Tot Ion:105 Resp: 1041684

Ion Ratio Lower Upper

105 100

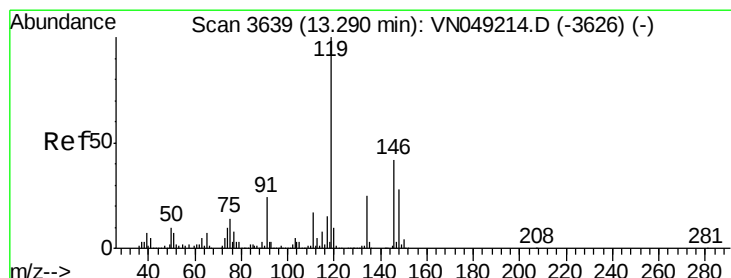
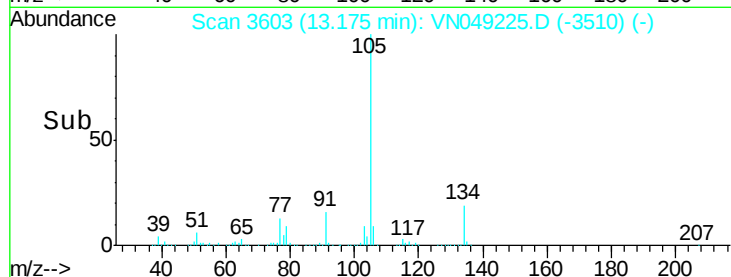
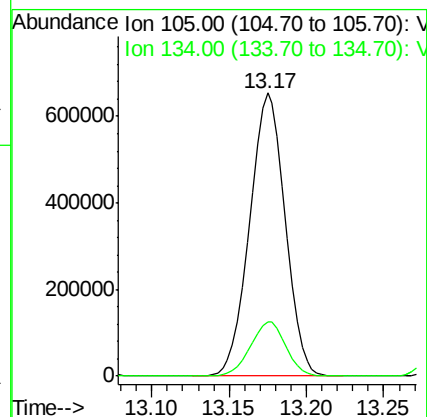
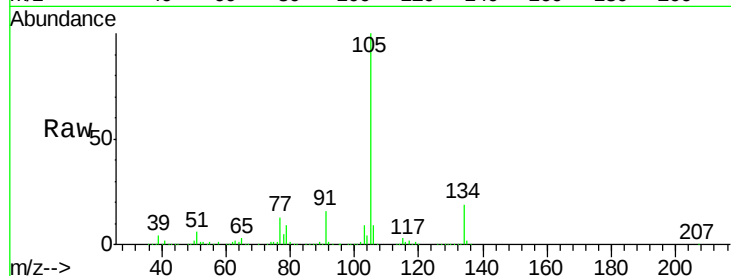
134 19.2 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.693 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

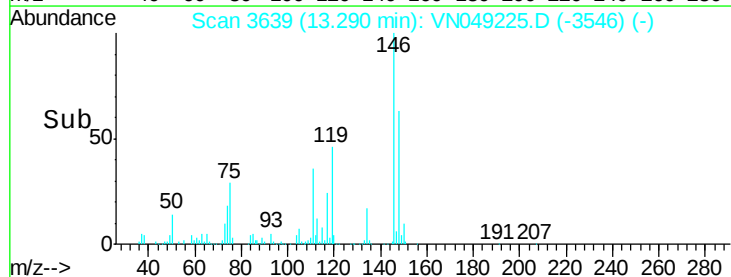
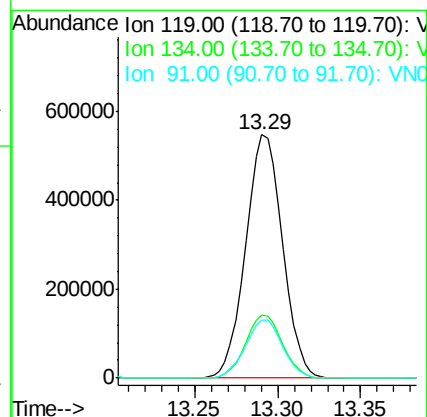
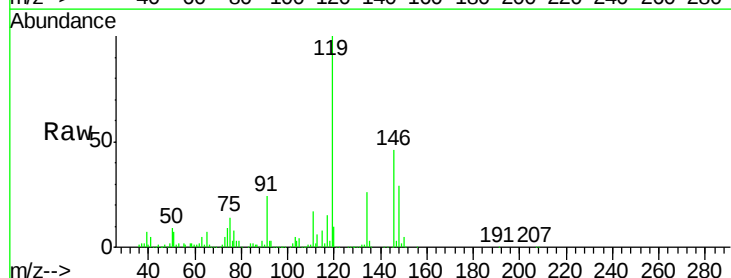
Tgt Ion:119 Resp: 842282

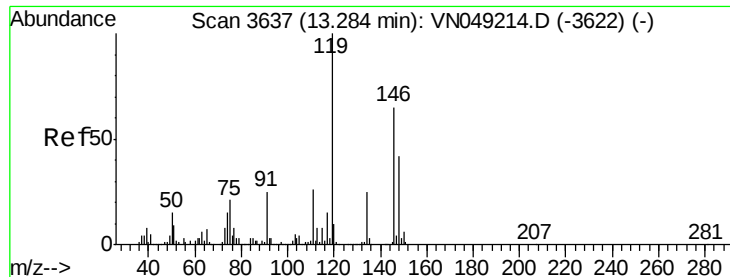
Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.6

91 24.2 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 19.594 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN049225.D

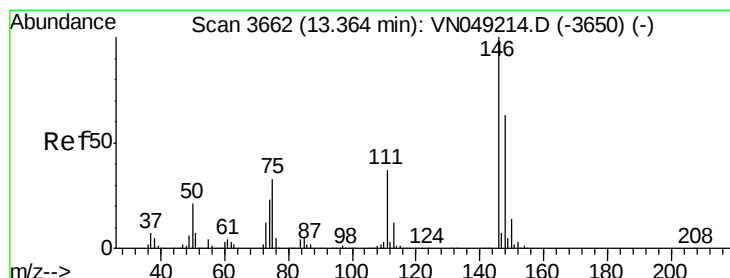
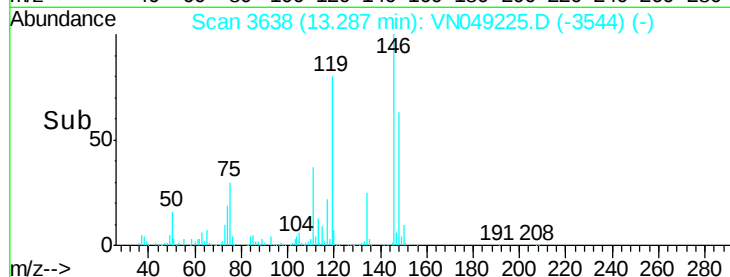
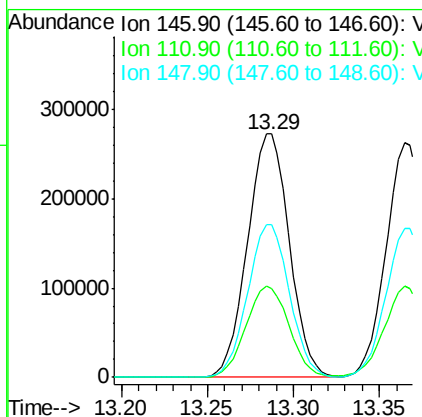
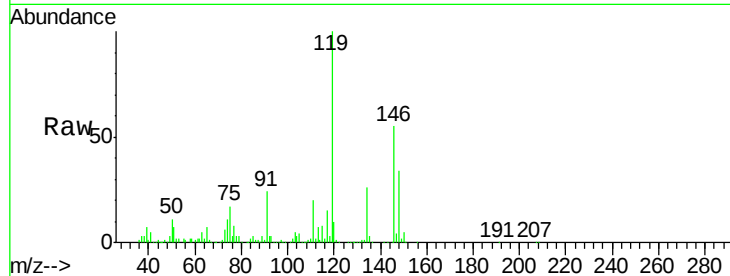
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.9	59.6
148	62.7	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.893 ug/l

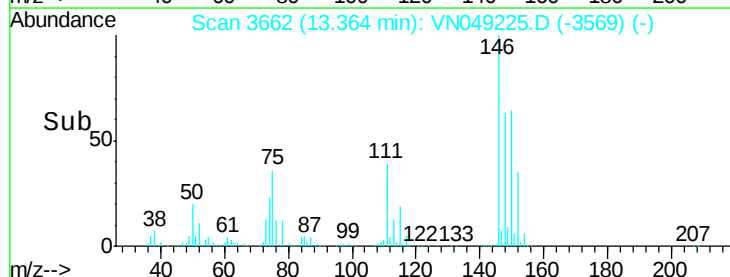
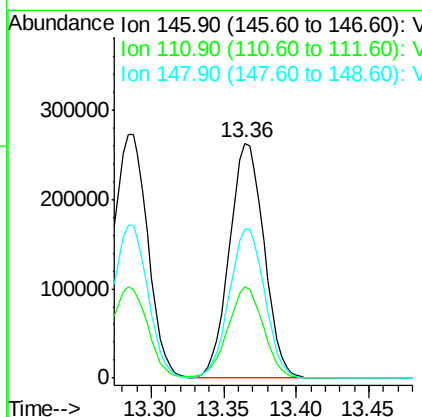
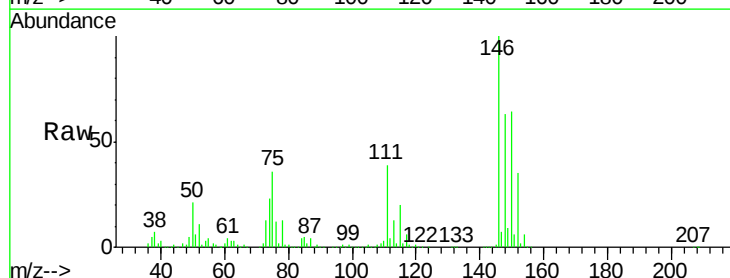
RT: 13.36 min Scan# 3662

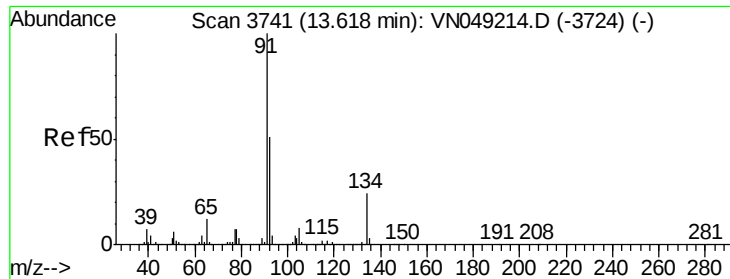
Delta R.T. 0.00 min

Lab File: VN049225.D

Acq: 14 Jun 2018 14:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.1	57.1
148	65.0	32.0	96.2





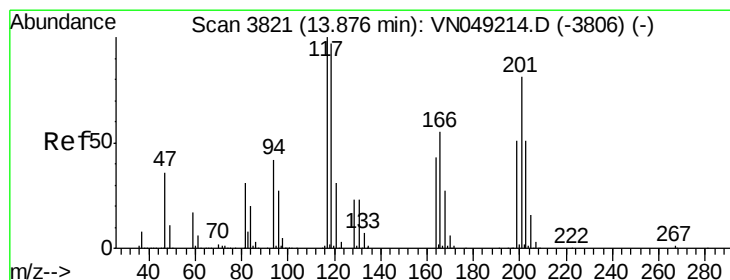
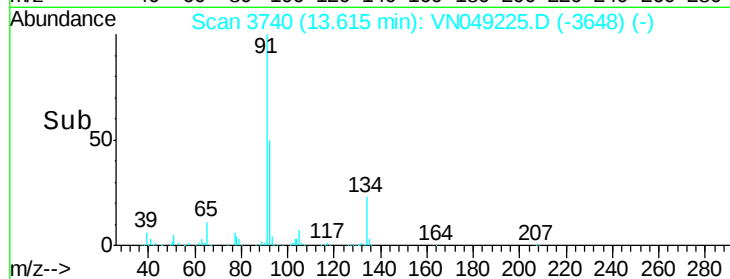
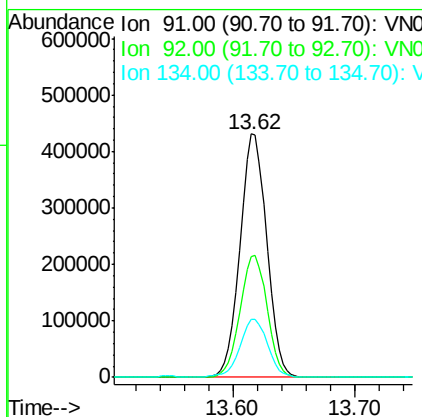
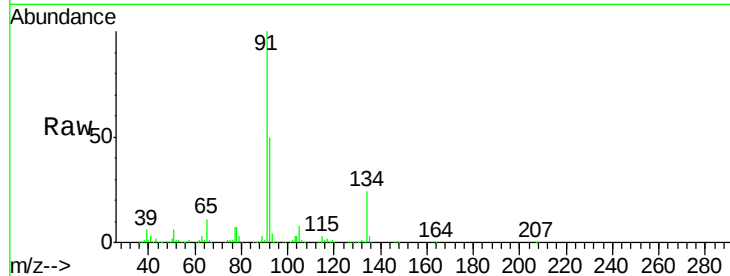
#89
n-Butylbenzene
Concen: 18.329 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.1	75.4
134	24.7	12.0	36.0

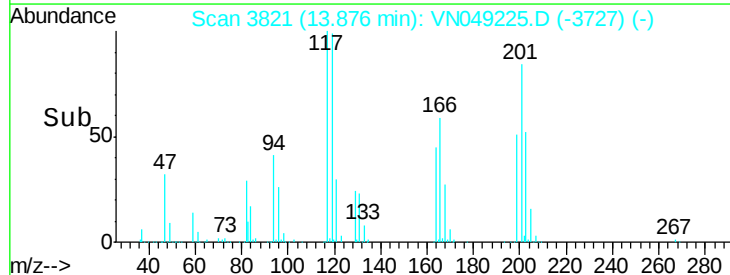
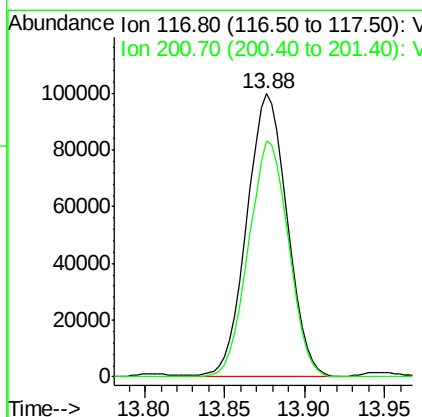
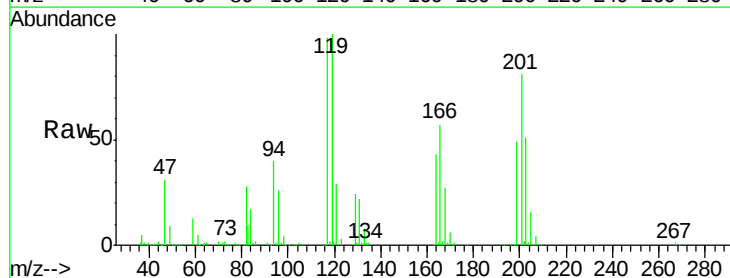
Manual Integrations
APPROVED

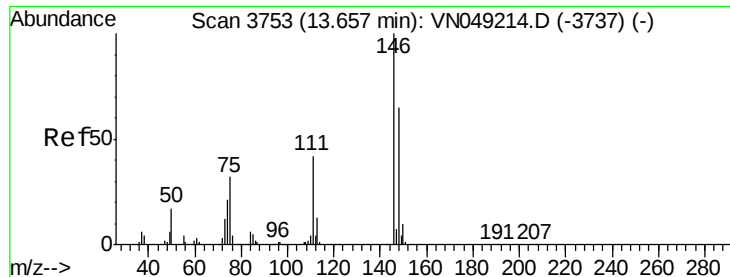
MMDadoda
6/15/2018 1:15:22 PM



#90
Hexachloroethane
Concen: 18.837 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.8	40.1	120.2





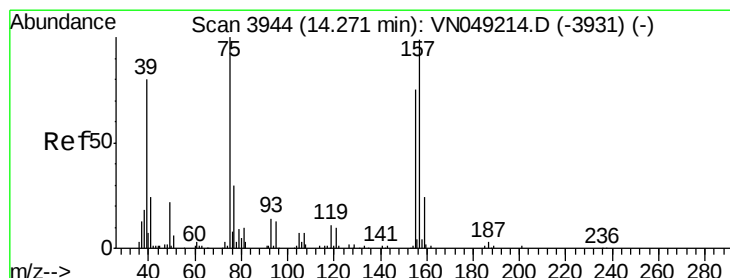
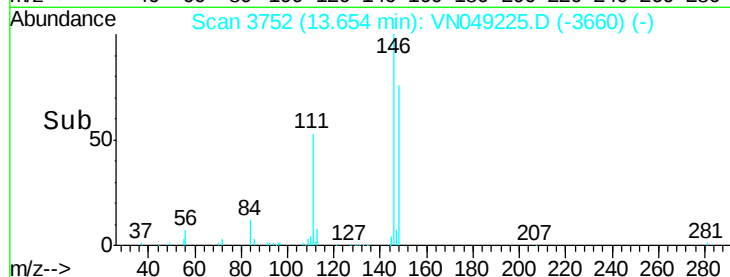
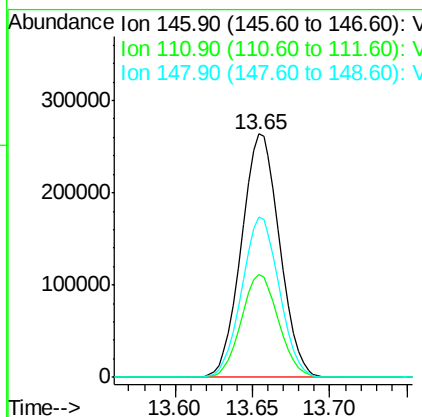
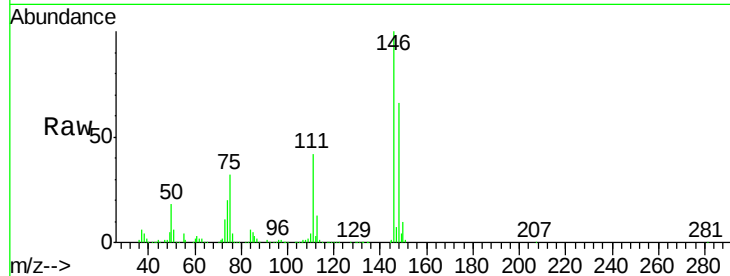
#91
 1,2-Dichlorobenzene
 Concen: 19.609 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049225.D
 Acq: 14 Jun 2018 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	452575		
111	41.3	20.8	62.2	
148	64.6	32.0	96.2	

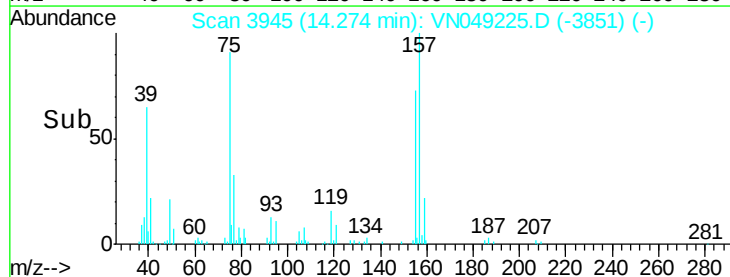
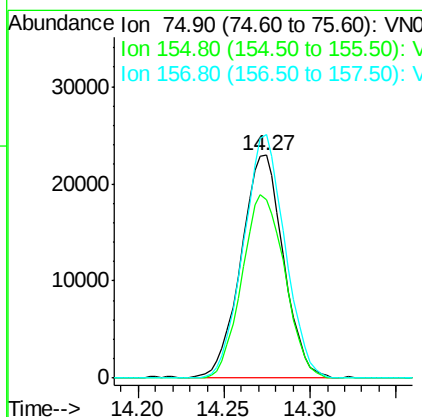
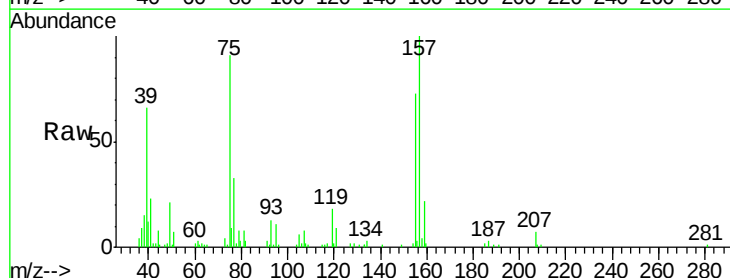
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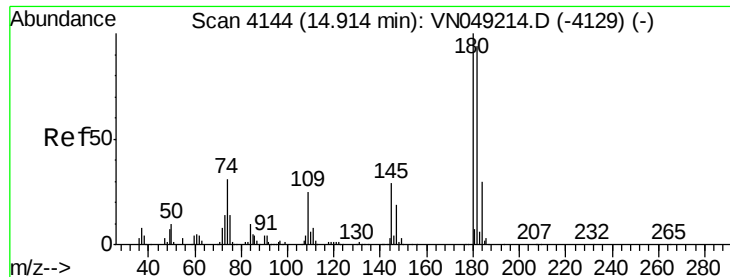
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.842 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049225.D
 Acq: 14 Jun 2018 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	39306		
155	82.5	38.8	116.3	
157	106.9	51.0	153.1	





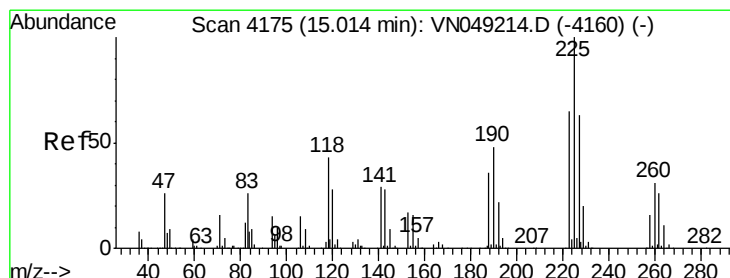
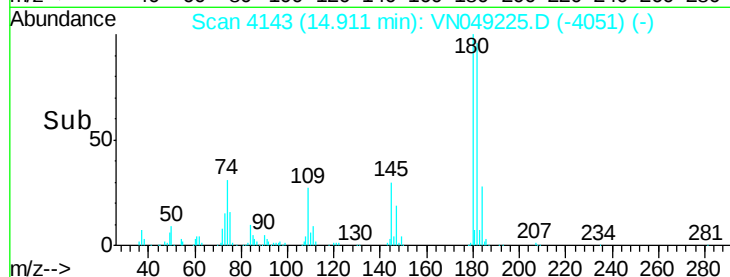
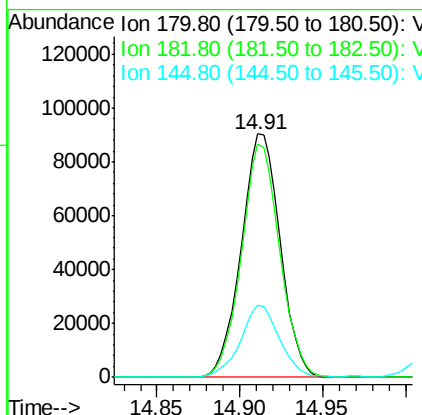
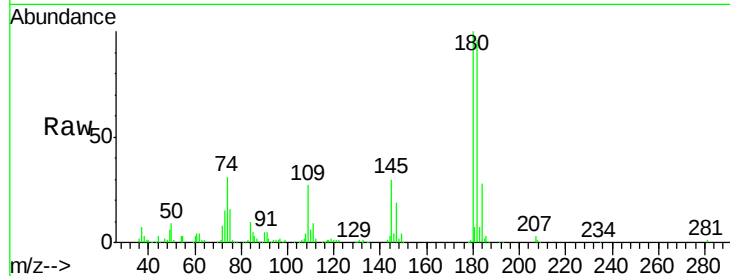
#93
 1,2,4-Trichlorobenzene
 Concen: 17.971 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049225.D
 Acq: 14 Jun 2018 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	147639		
182	94.2	46.9	140.8	
145	29.0	14.7	44.1	

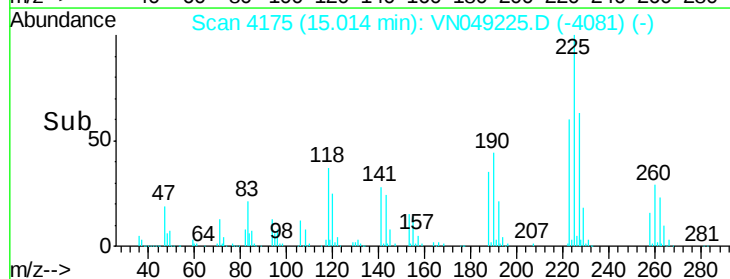
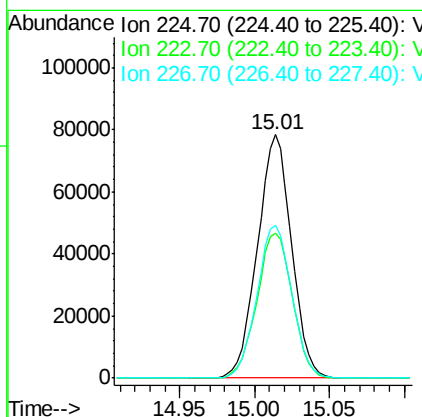
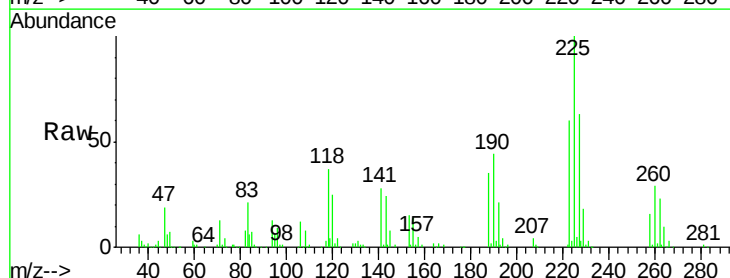
Manual Integrations
 APPROVED

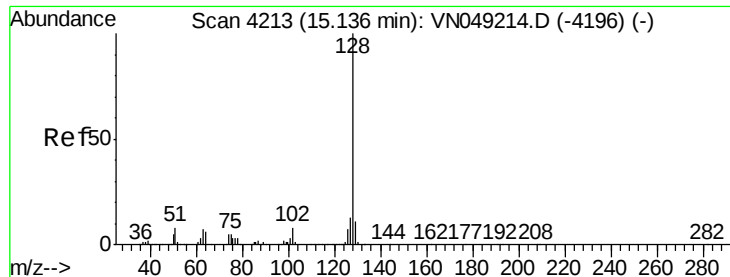
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#94
 Hexachlorobutadiene
 Concen: 17.769 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049225.D
 Acq: 14 Jun 2018 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	124020		
223	61.9	32.1	96.3	
227	64.1	31.8	95.3	





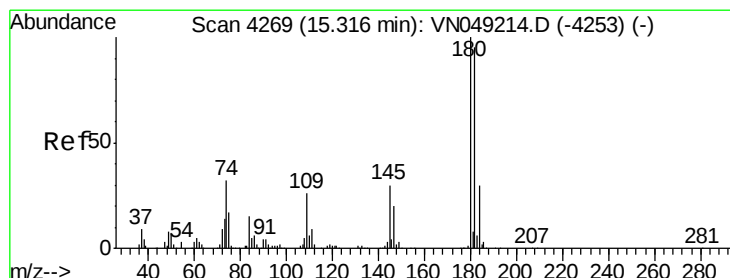
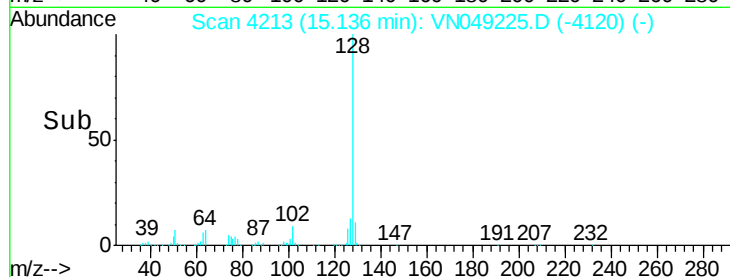
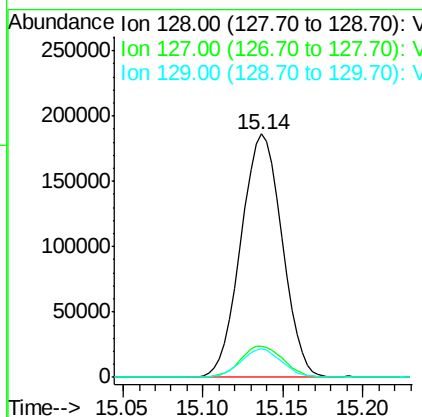
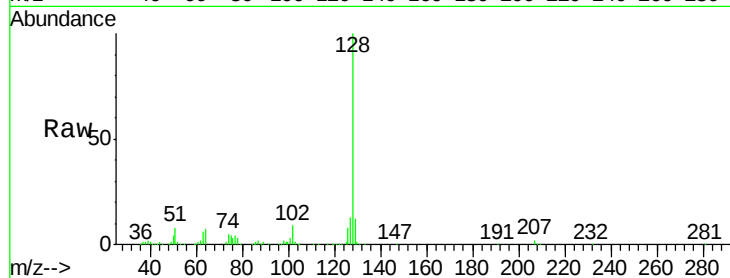
#95
Naphthalene
Concen: 18.942 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	11.7	8.5	12.7

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 17.598 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN049225.D
Acq: 14 Jun 2018 14:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	47.3	141.8
145	31.4	15.6	46.7

