

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049235.D
 Acq On : 14 Jun 2018 18:25
 Operator : MD\SY
 Sample : VN0614WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/15/2018 1:15:28 PM

Quant Time: Jun 15 05:43:11 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	880469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1401572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1272432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	605913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	687084	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
35) Dibromofluoromethane	7.59	113	563325	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	10.09	98	2143280	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
62) 4-Bromofluorobenzene	12.40	95	696050	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	233990	18.450	ug/l	99
3) Chloromethane	2.06	50	230731	17.805	ug/l	99
4) Vinyl Chloride	2.18	62	239271	18.006	ug/l	100
5) Bromomethane	2.57	94	104528	12.950	ug/l	97
6) Chloroethane	2.70	64	160428	17.878	ug/l	94
7) Trichlorofluoromethane	3.01	101	339713	18.157	ug/l	98
8) Diethyl Ether	3.41	74	144523	20.801	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	241468	19.937	ug/l	98
10) Methyl Iodide	3.95	142	183107	15.549	ug/l	94
11) Tert butyl alcohol	4.81	59	86754	111.948	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	221754	20.165	ug/l	99
13) Acrolein	3.61	56	105397	99.891	ug/l	100
14) Allyl chloride	4.32	41	413063	20.001	ug/l	91
15) Acrylonitrile	5.00	53	437862	104.977	ug/l	100
16) Acetone	3.82	43	349208	102.797	ug/l	95
17) Carbon Disulfide	4.05	76	700065	18.660	ug/l	100
18) Methyl Acetate	4.33	43	230147	21.489	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	625393	20.871	ug/l	98
20) Methylene Chloride	4.55	84	262008	18.992	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	233812	19.178	ug/l	98
22) Diisopropyl ether	5.96	45	857705	20.807	ug/l	99
23) Vinyl Acetate	5.90	43	2863043	105.072	ug/l	99
24) 1,1-Dichloroethane	5.85	63	492955	20.067	ug/l	98
25) 2-Butanone	6.84	43	515616	106.001	ug/l	100
26) 2,2-Dichloropropane	6.82	77	378624	20.554	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	266589	20.079	ug/l	98
28) Bromochloromethane	7.20	49	228709	19.616	ug/l	98
29) Tetrahydrofuran	7.22	42	339105	108.363	ug/l	99
30) Chloroform	7.37	83	471853	19.991	ug/l	100
31) Cyclohexane	7.66	56	435873	20.394	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	397451	19.550	ug/l	99
36) 1,1-Dichloropropene	7.79	75	354619	20.251	ug/l	99
37) Ethyl Acetate	6.94	43	231169	20.912	ug/l	99
38) Carbon Tetrachloride	7.77	117	342132	19.394	ug/l	97

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 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)
39) Methylcyclohexane	9.09	83	359857	19.894	ug/l	99
40) Benzene	8.04	78	1056530	19.914	ug/l	99
41) Methacrylonitrile	7.18	41	130400	20.851	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	344185	19.657	ug/l	98
43) Isopropyl Acetate	8.17	43	441329	21.714	ug/l	98
44) Trichloroethene	8.84	130	256763	19.382	ug/l	98
45) 1,2-Dichloropropane	9.12	63	289308	19.826	ug/l	100
46) Dibromomethane	9.21	93	162779	20.191	ug/l	97
47) Bromodichloromethane	9.40	83	359957	19.823	ug/l	97
48) Methyl methacrylate	9.20	41	192426	19.376	ug/l	92
49) 1,4-Dioxane	9.20	88	46256	394.404	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1146714	105.938	ug/l	98
52) Toluene	10.16	92	632011	20.475	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	342309	19.828	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	408165	20.402	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	227622	20.093	ug/l	97
56) Ethyl methacrylate	10.43	69	286600	20.986	ug/l	94
57) 1,3-Dichloropropane	10.71	76	391270	20.141	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	447492	94.906	ug/l	100
59) 2-Hexanone	10.76	43	711690	105.517	ug/l	98
60) Dibromochloromethane	10.90	129	245760	19.562	ug/l	100
61) 1,2-Dibromoethane	11.01	107	212550	20.287	ug/l	98
64) Tetrachloroethene	10.63	164	257955	20.234	ug/l	97
65) Chlorobenzene	11.44	112	648628	19.760	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	247249	19.802	ug/l	98
67) Ethyl Benzene	11.51	91	1152809	20.357	ug/l	99
68) m/p-Xylenes	11.62	106	877401	42.370	ug/l	97
69) o-Xylene	11.95	106	413380	20.728	ug/l	100
70) Styrene	11.97	104	660017	20.904	ug/l	100
71) Bromoform	12.13	173	155793	19.964	ug/l #	99
73) Isopropylbenzene	12.25	105	1111740	19.103	ug/l	98
74) N-amyl acetate	12.07	43	318769	19.228	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	271491	21.205	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	250023m	23.713	ug/l	
77) Bromobenzene	12.53	156	264618	20.557	ug/l	98
78) n-propylbenzene	12.59	91	1272523	19.683	ug/l	100
79) 2-Chlorotoluene	12.68	91	774647	18.999	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	901537	20.204	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	69329	19.117	ug/l	94
82) 4-Chlorotoluene	12.78	91	752843	19.466	ug/l	100
83) tert-Butylbenzene	13.00	119	747894	19.456	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	900881	20.312	ug/l	99
85) sec-Butylbenzene	13.17	105	1011477	19.738	ug/l	99
86) p-Isopropyltoluene	13.29	119	841051	20.264	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	442106	19.418	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	431365	19.236	ug/l	99
89) n-Butylbenzene	13.62	91	633705	18.457	ug/l	99
90) Hexachloroethane	13.88	117	173592	19.644	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	442024	19.736	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39257	19.393	ug/l	98

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Manual Integrations
APPROVED

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	141556	17.809	ug/l	100
94) Hexachlorobutadiene	15.01	225	123781	18.276	ug/l	99
95) Naphthalene	15.14	128	314163	18.728	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	156027	17.640	ug/l	99

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

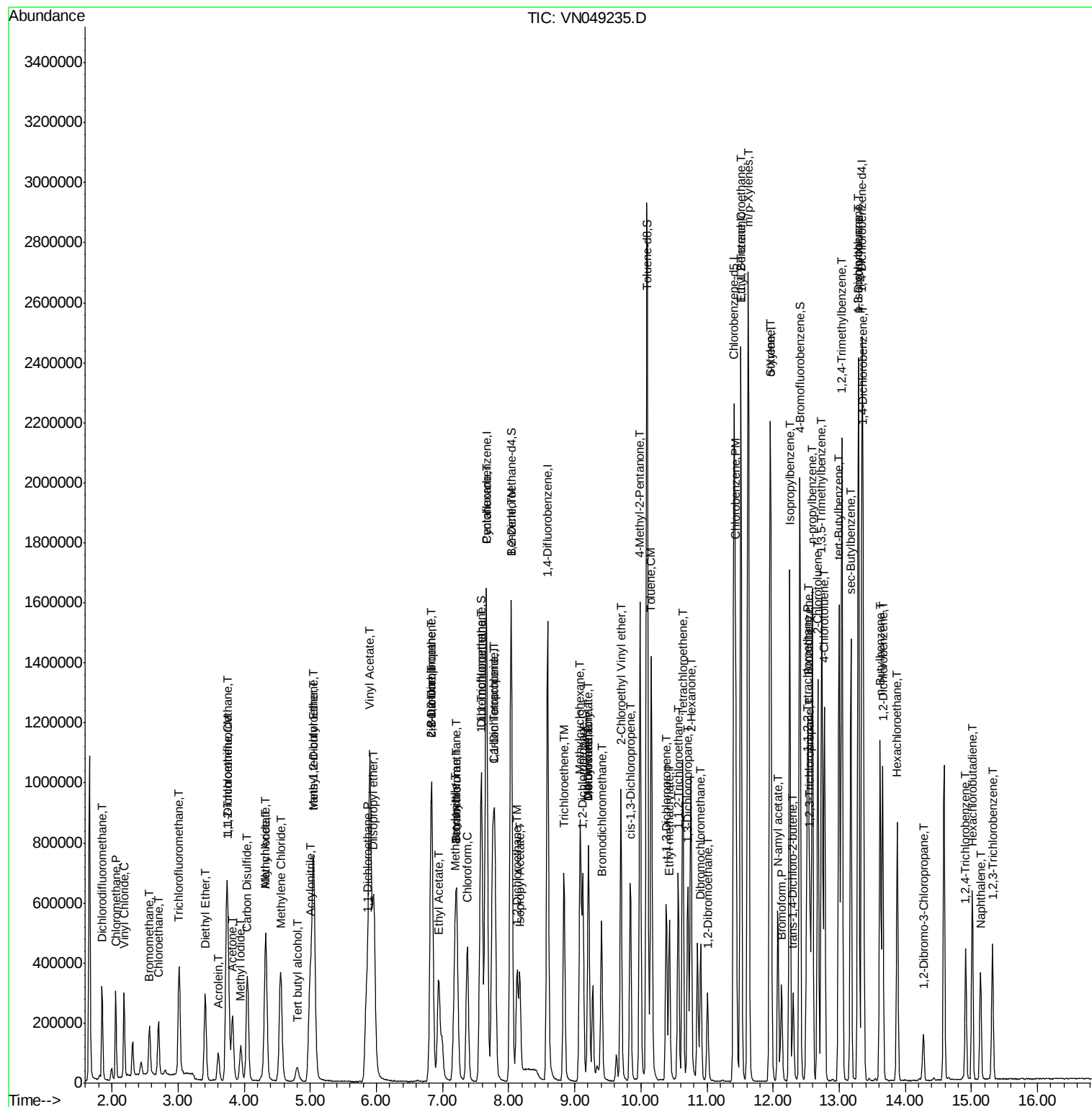
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 Data File : VN049235.D
 Acq On : 14 Jun 2018 18:25
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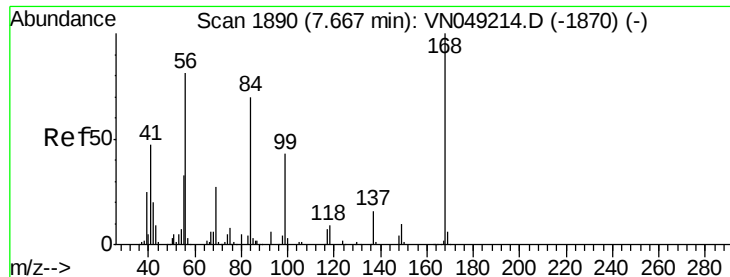
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion:168 Resp: 880469

Ion Ratio Lower Upper

168 100

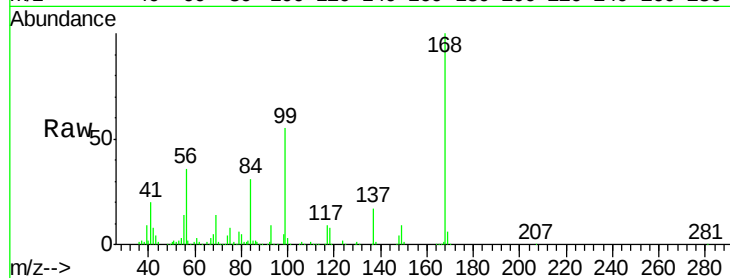
99 54.2 45.8 68.6

Manual Integrations

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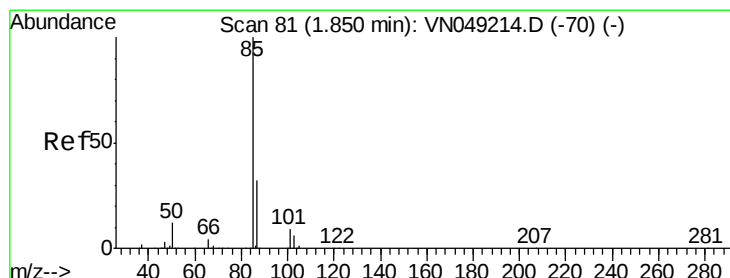
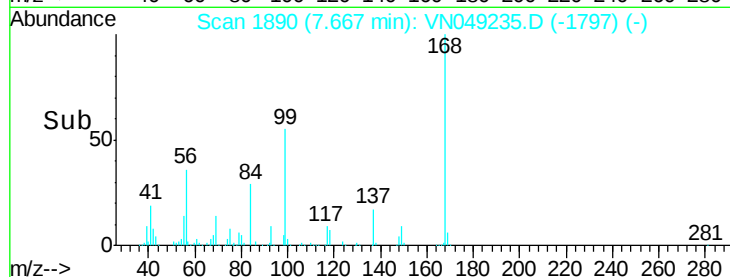
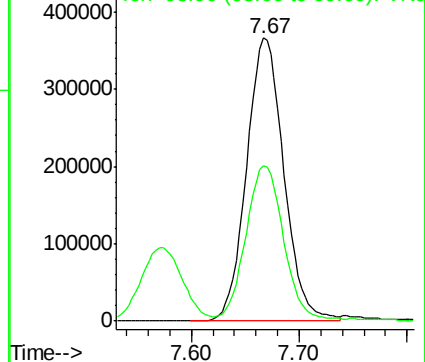
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6/15/2018 1:15:28 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.450 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049235.D

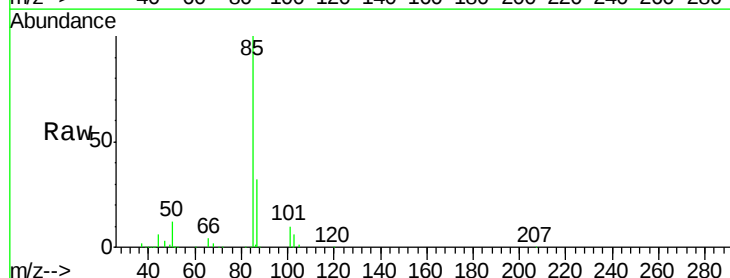
Acq: 14 Jun 2018 18:25

Tgt Ion: 85 Resp: 233990

Ion Ratio Lower Upper

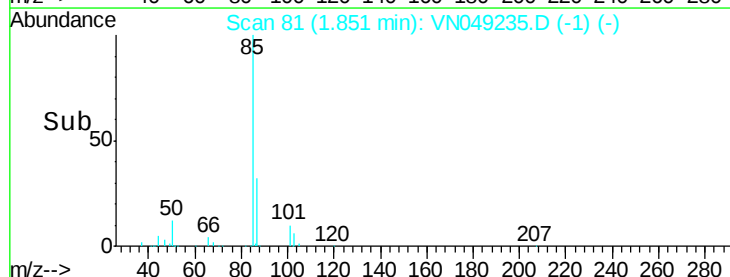
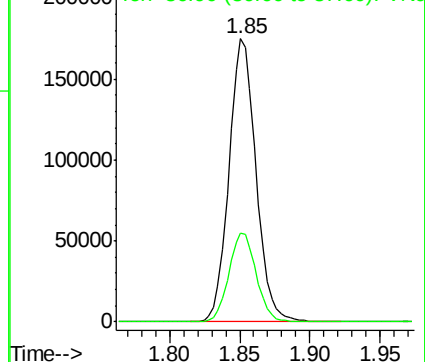
85 100

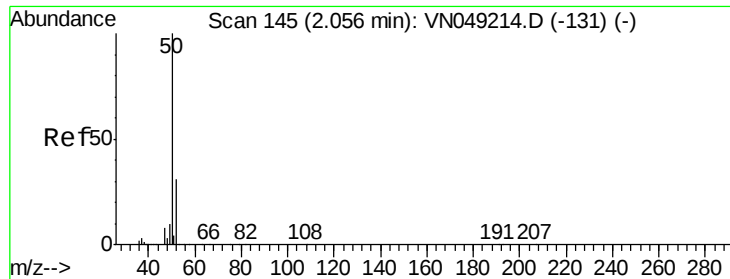
87 31.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.805 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion: 50 Resp: 230731

Ion Ratio Lower Upper

50 100

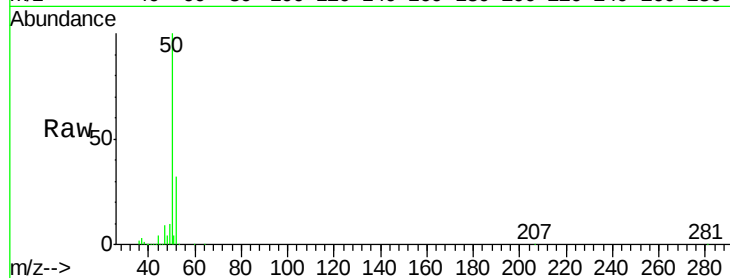
52 32.2 25.2 37.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

200000

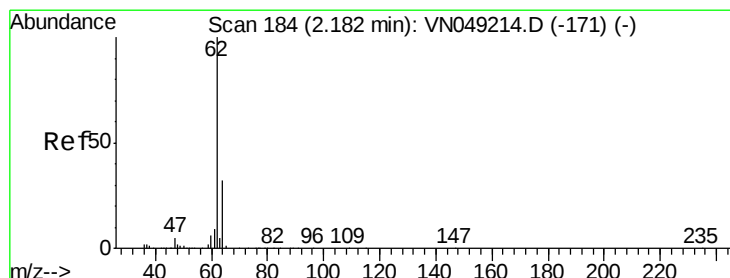
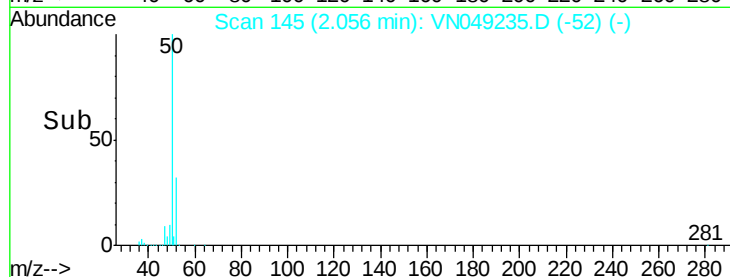
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100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 18.006 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049235.D

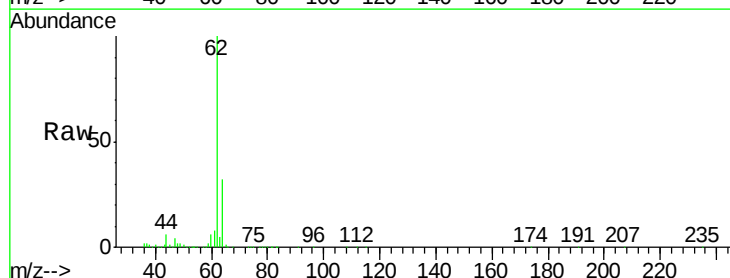
Acq: 14 Jun 2018 18:25

Tgt Ion: 62 Resp: 239271

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

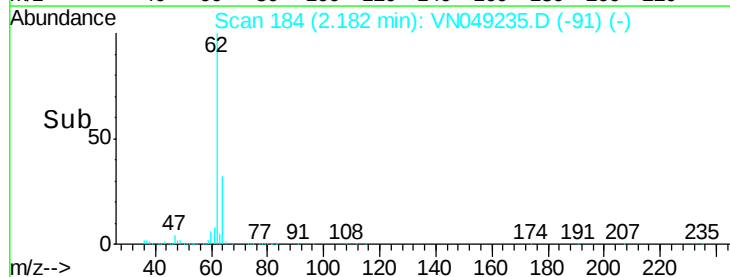
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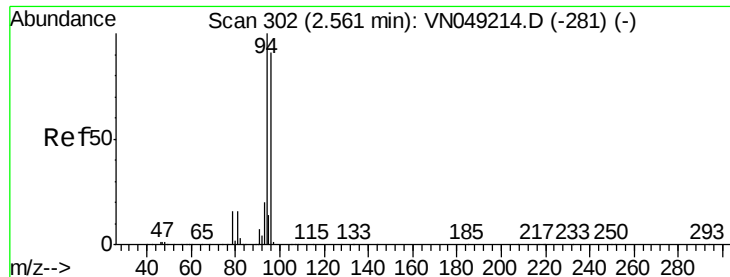
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50000

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Time-->





#5

Bromomethane

Concen: 12.950 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion: 94 Resp: 104528

Ion Ratio Lower Upper

94 100

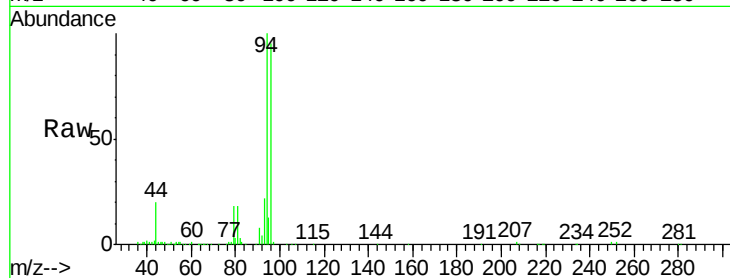
96 94.3 72.8 109.2

Manual Integrations

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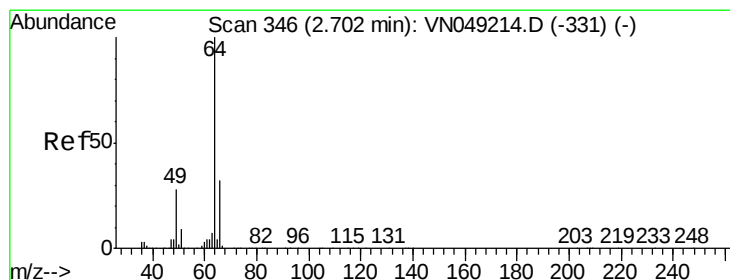
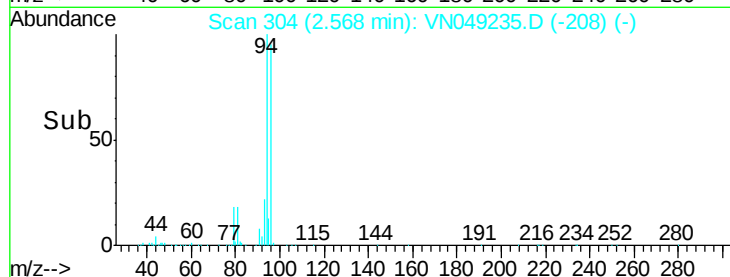
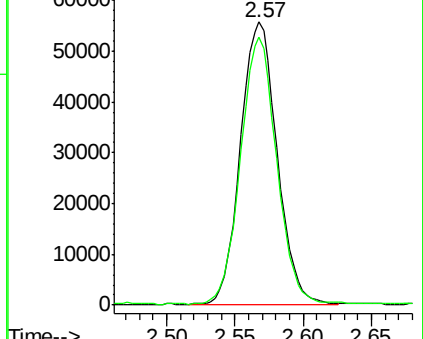
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.878 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049235.D

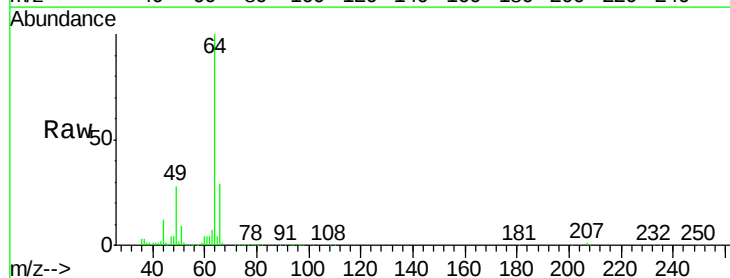
Acq: 14 Jun 2018 18:25

Tgt Ion: 64 Resp: 160428

Ion Ratio Lower Upper

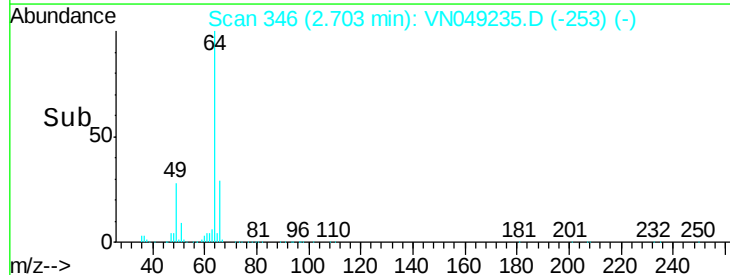
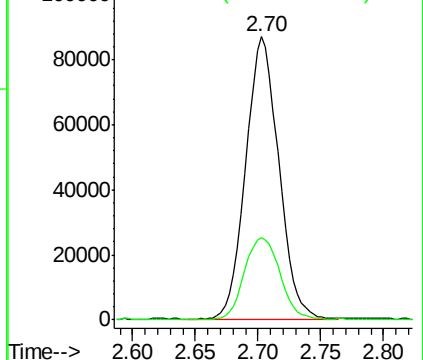
64 100

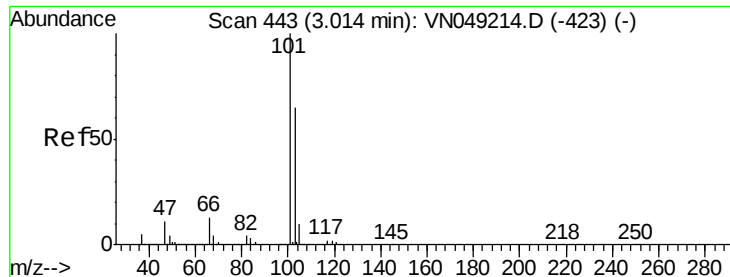
66 28.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

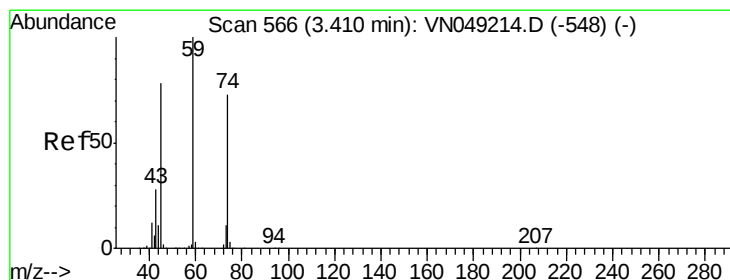
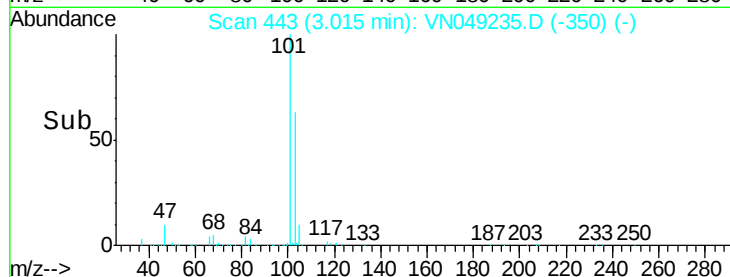
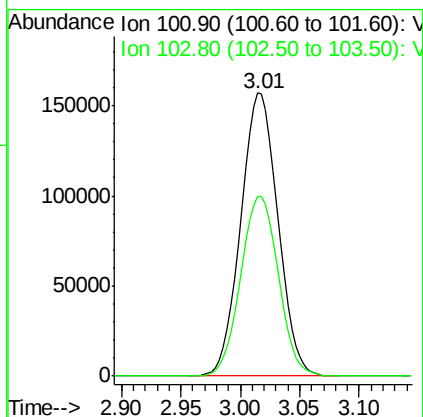
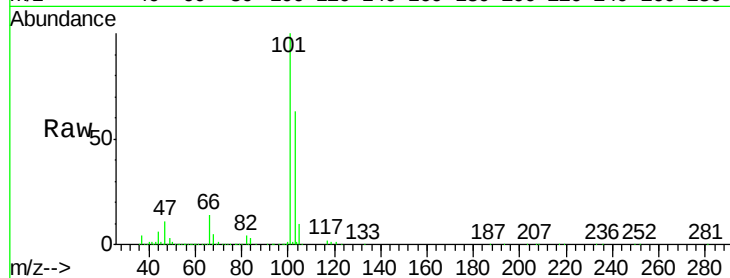
Trichlorofluoromethane
Concen: 18.157 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.7	77.5

Manual Integrations
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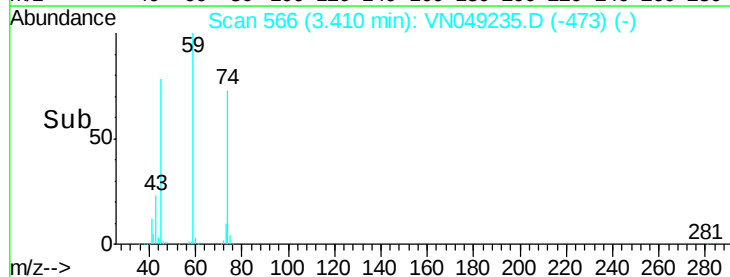
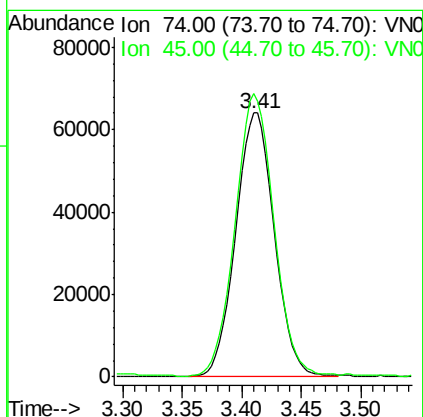
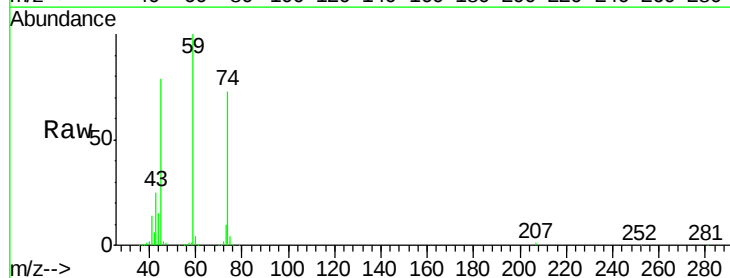
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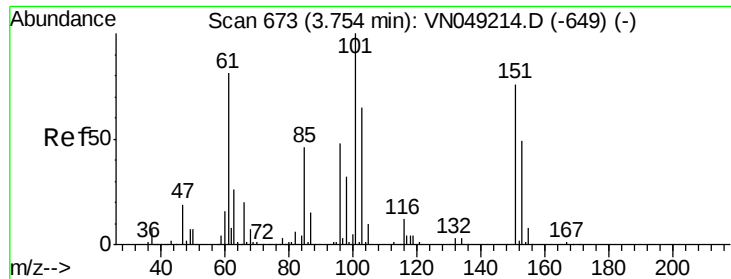


#8

Diethyl Ether
Concen: 20.801 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.8	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.937 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

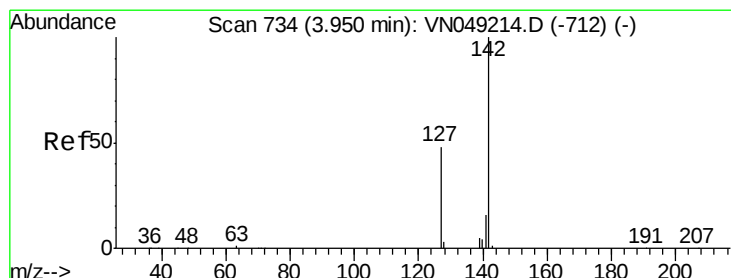
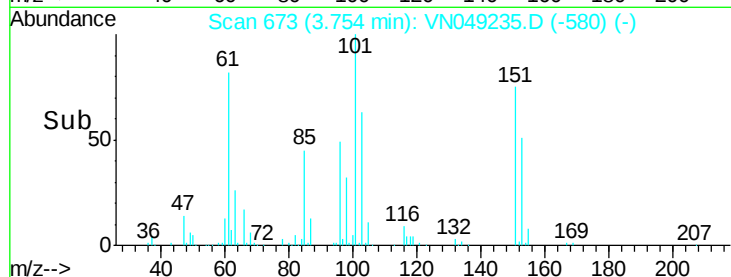
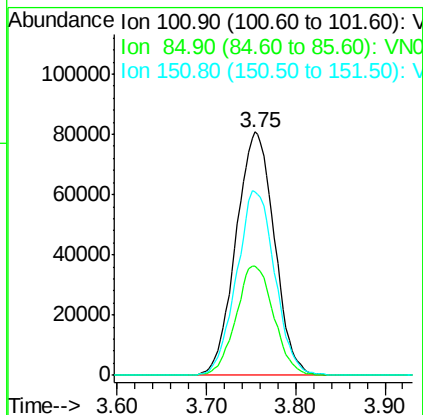
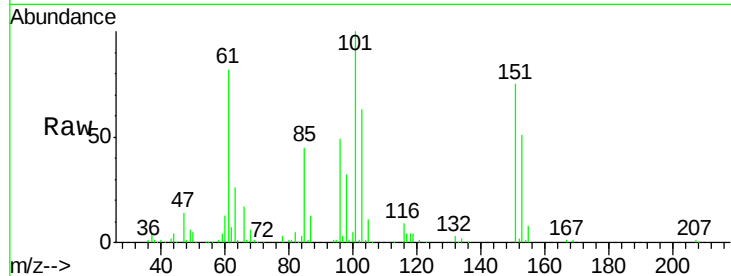
ClientSampleId :

VN0614WBSD01

Tot Ion:	101	Resp:	241468
Ion Ratio	Lower	Upper	
101	100		
85	44.2	37.6	56.4
151	75.7	61.1	91.7

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#10

Methyl Iodide

Concen: 15.549 ug/l

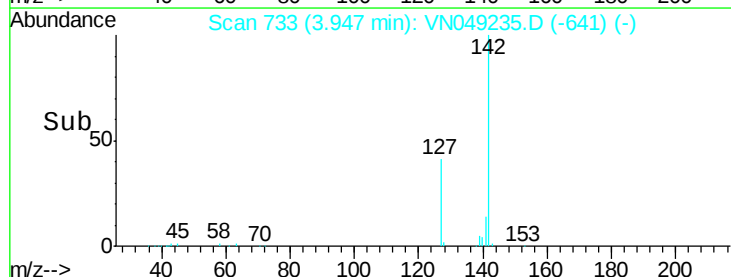
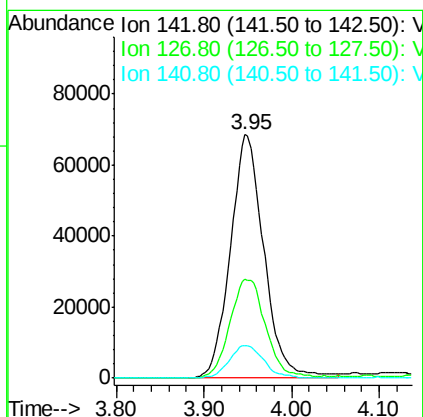
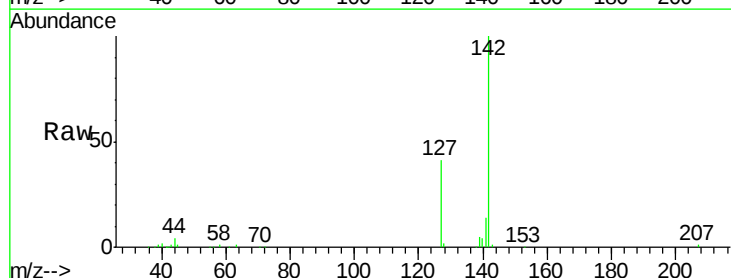
RT: 3.95 min Scan# 733

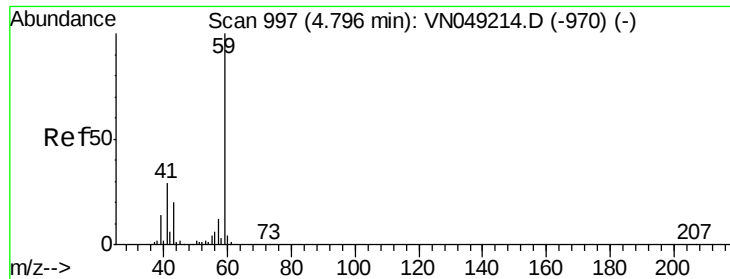
Delta R.T. -0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Tgt Ion:	142	Resp:	183107
Ion Ratio	Lower	Upper	
142	100		
127	43.2	38.2	57.4
141	13.9	11.9	17.9





#11

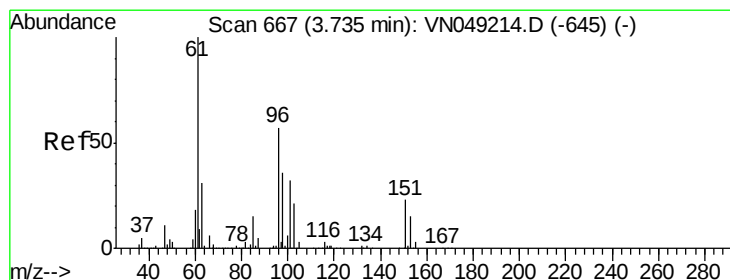
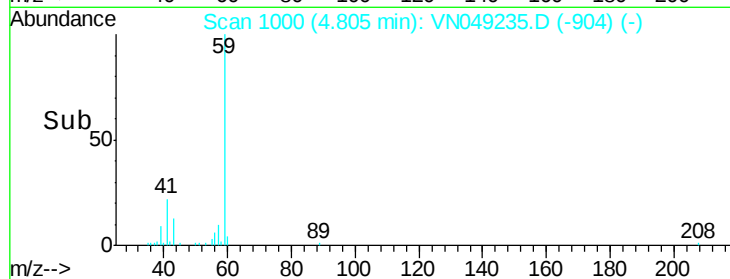
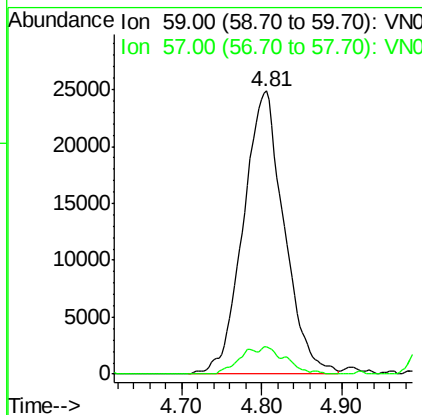
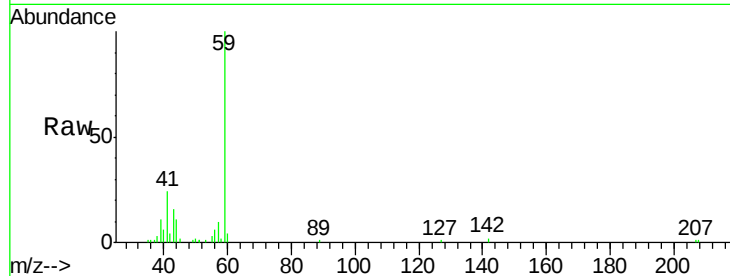
Tert butyl alcohol
Concen: 111.948 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.6#

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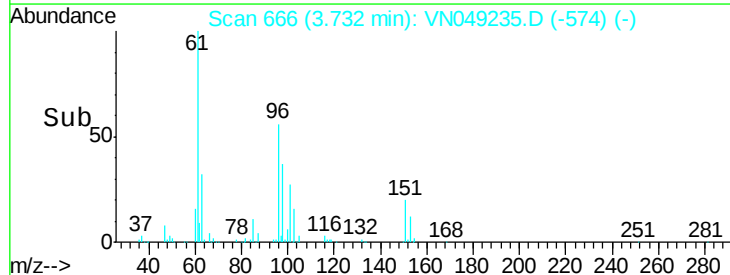
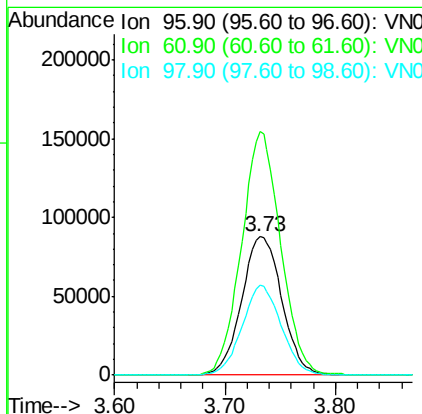
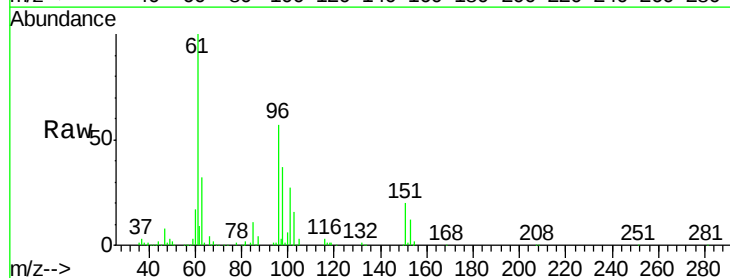
MMDadoda
6/15/2018 1:15:28 PM

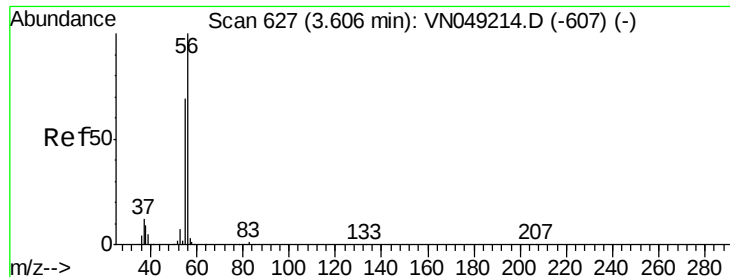


#12

1,1-Dichloroethene
Concen: 20.165 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.3	141.0	211.4
98	65.0	50.4	75.6





#13

Acrolein

Concen: 99.891 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion: 56 Resp: 105397

Ion Ratio Lower Upper

56 100

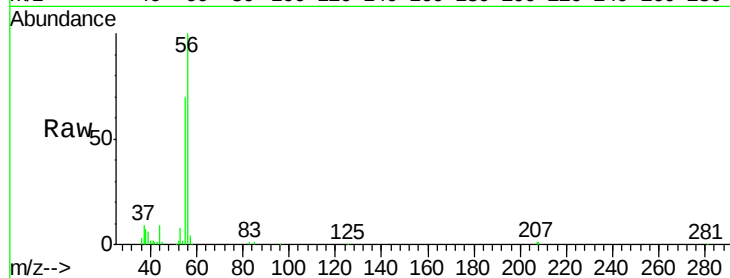
55 71.6 57.1 85.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

40000

30000

20000

10000

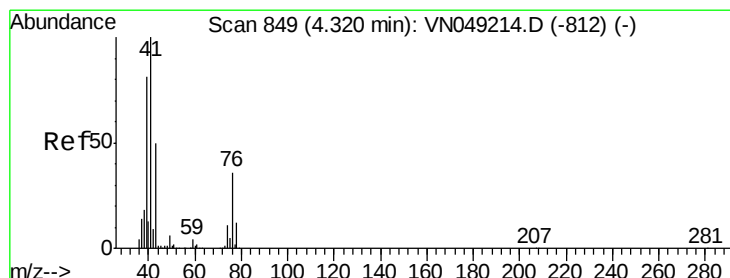
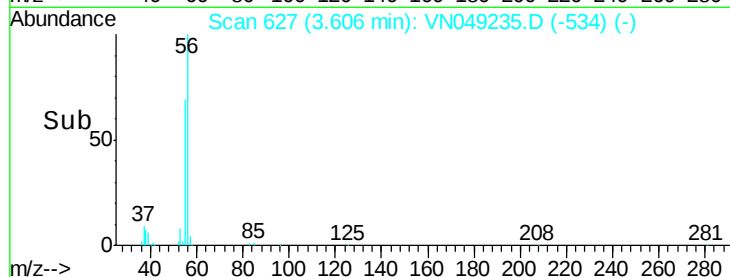
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 20.001 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

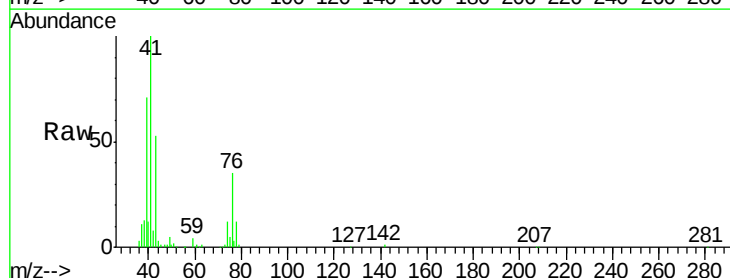
Tgt Ion: 41 Resp: 413063

Ion Ratio Lower Upper

41 100

39 67.6 62.5 93.7

76 32.5 27.1 40.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

150000

100000

50000

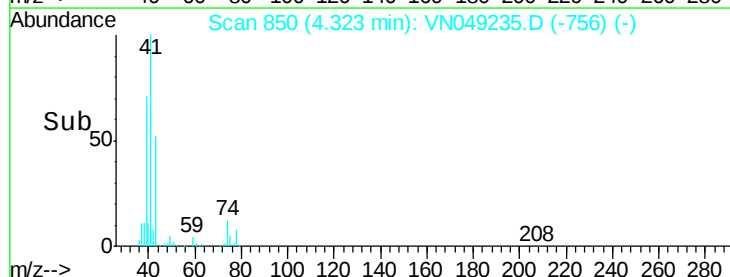
0

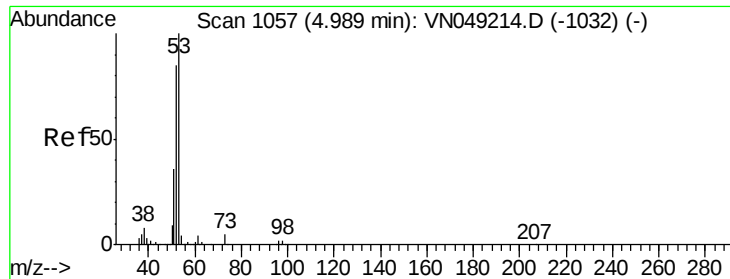
Time-->

4.20

4.30

4.40





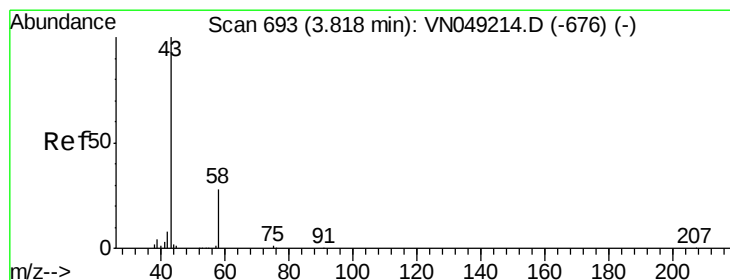
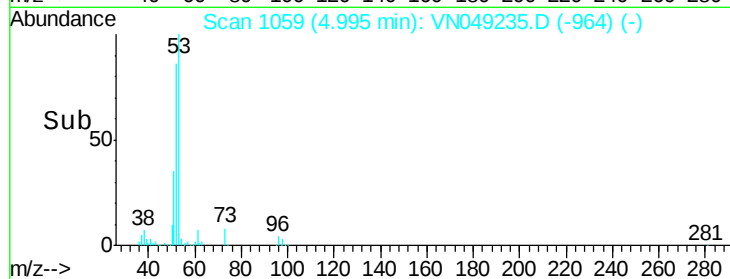
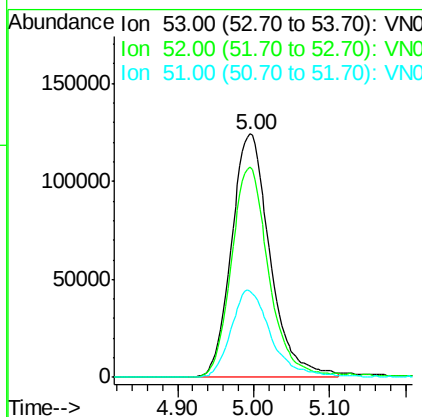
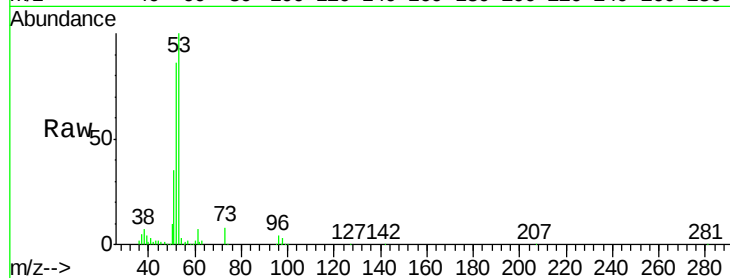
#15
 Acrylonitrile
 Concen: 104.977 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.01 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.6	100.0
51	37.2	29.8	44.8

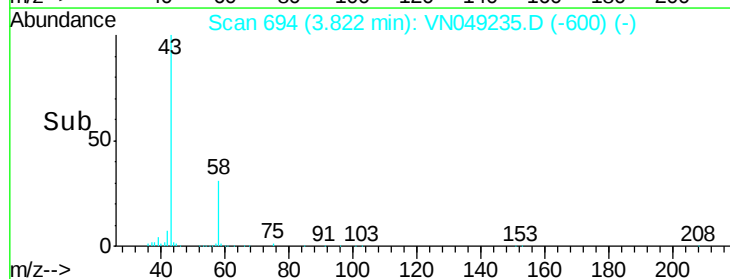
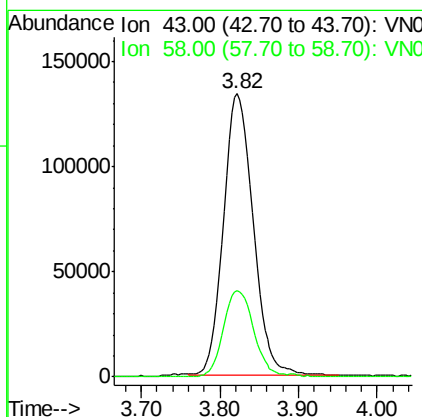
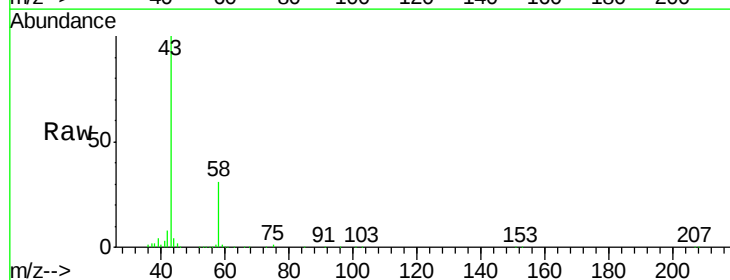
Manual Integrations
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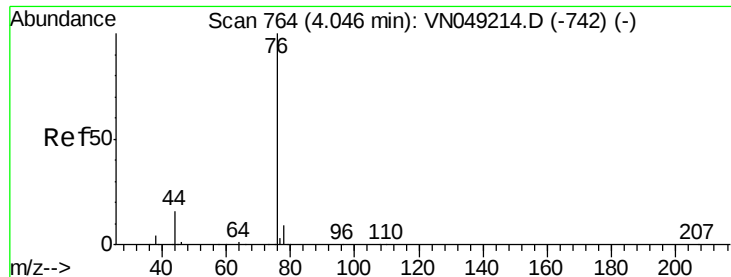
MMDadoda
 6/15/2018 1:15:28 PM



#16
 Acetone
 Concen: 102.797 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.6	22.4	33.6





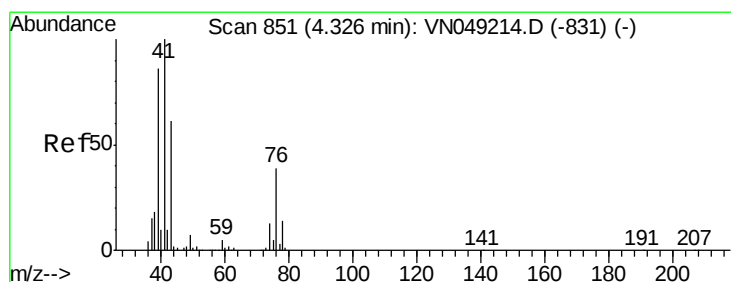
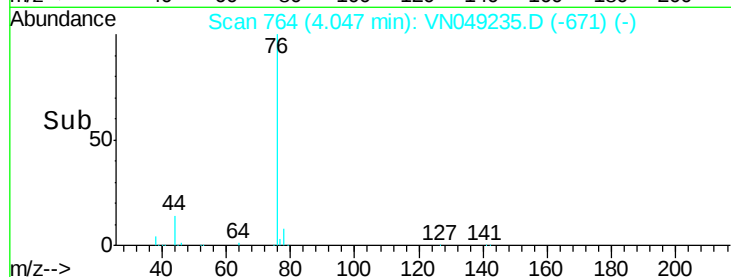
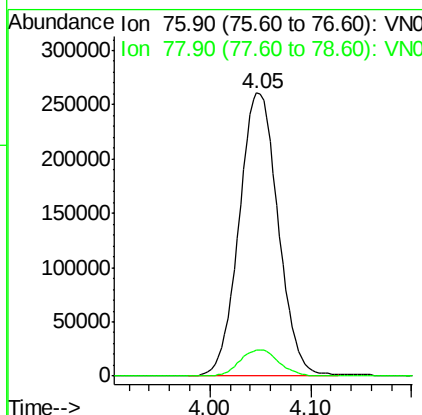
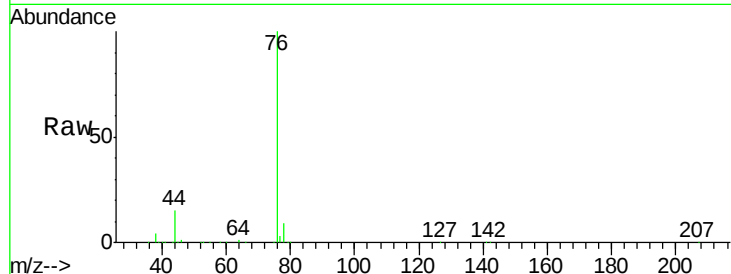
#17
Carbon Disulfide
Concen: 18.660 ug/l
RT: 4.05 min Scan# 764
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

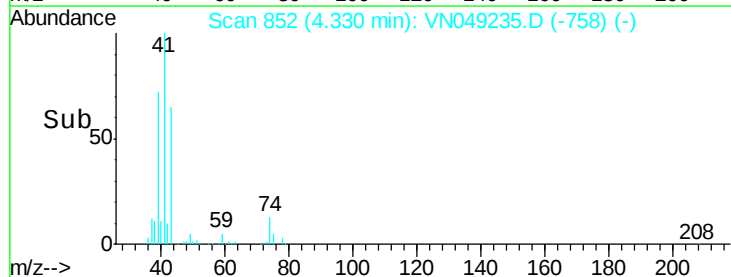
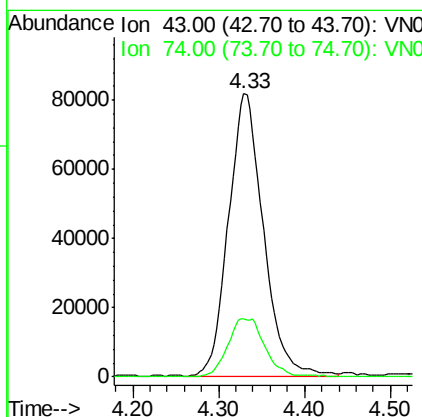
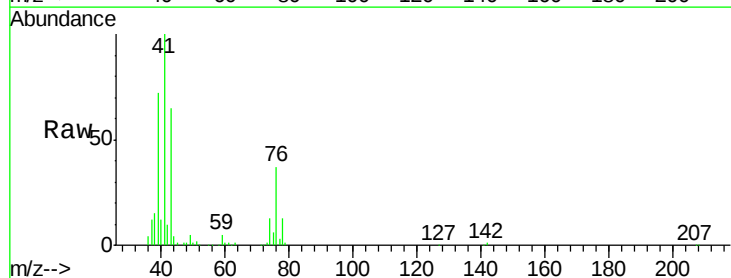
Manual Integrations
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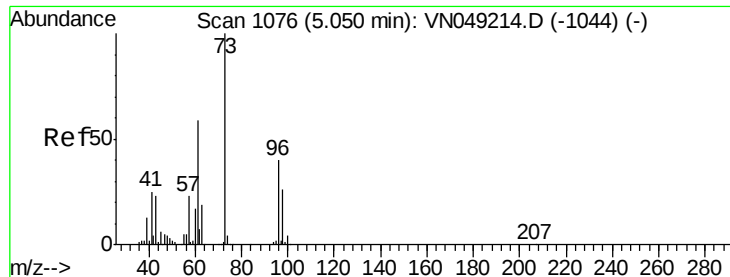
MMDadoda
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#18
Methyl Acetate
Concen: 21.489 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.4	26.0





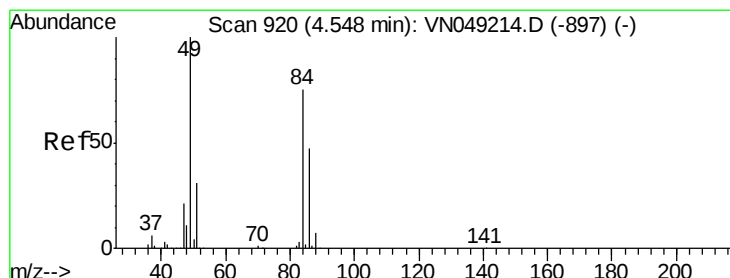
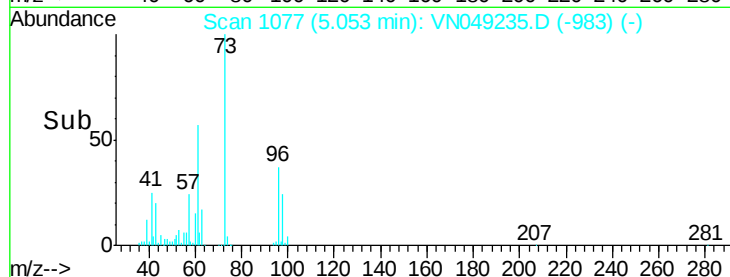
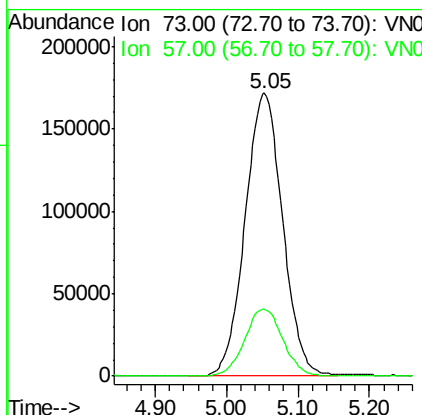
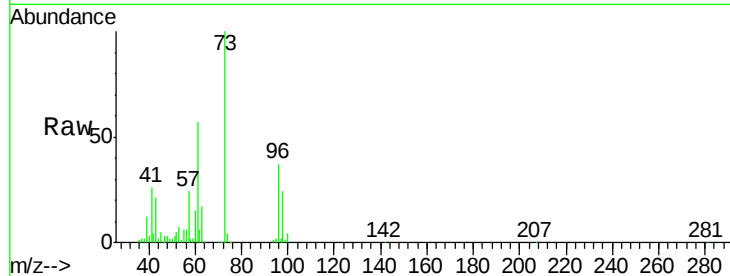
#19
Methyl tert-butyl Ether
Concen: 20.871 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion: 73 Resp: 625393
Ion Ratio Lower Upper
73 100
57 23.8 18.2 27.4

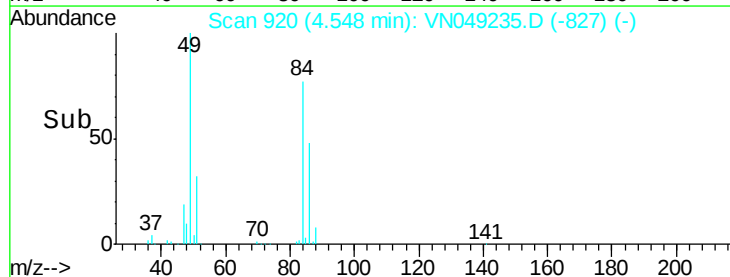
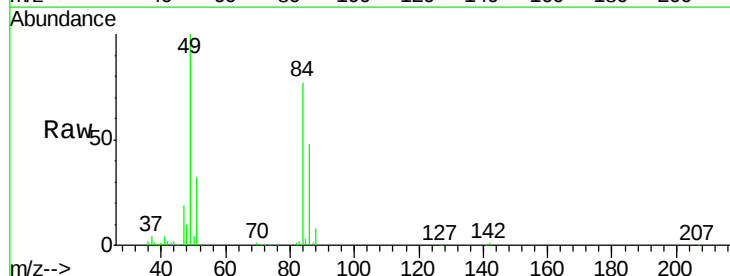
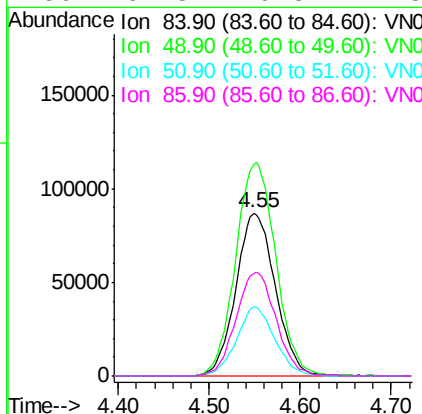
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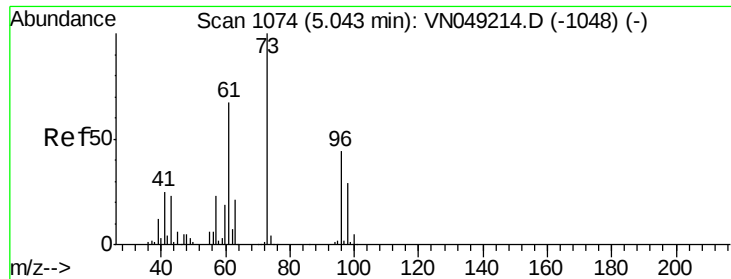
MMDadoda
6/15/2018 1:15:28 PM



#20
Methylene Chloride
Concen: 18.992 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion: 84 Resp: 262008
Ion Ratio Lower Upper
84 100
49 129.7 106.9 160.3
51 42.1 32.7 49.1
86 62.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.178 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

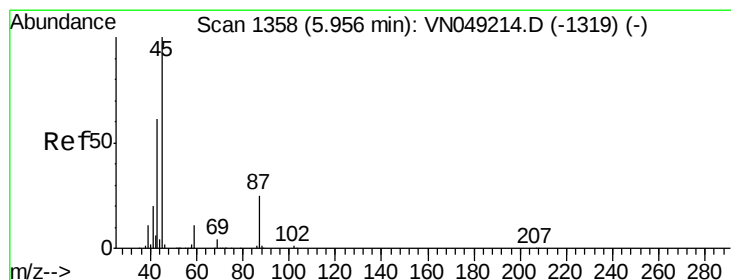
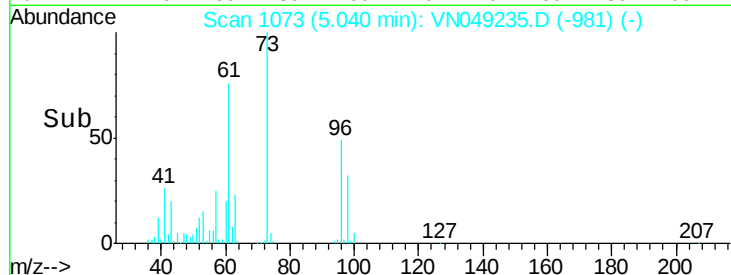
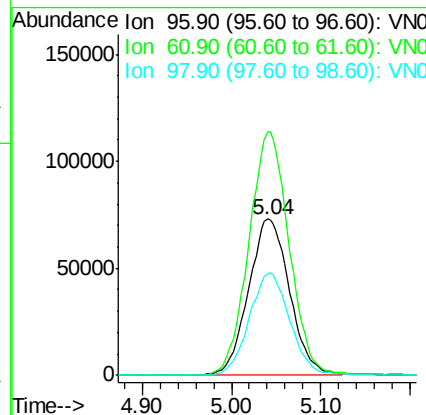
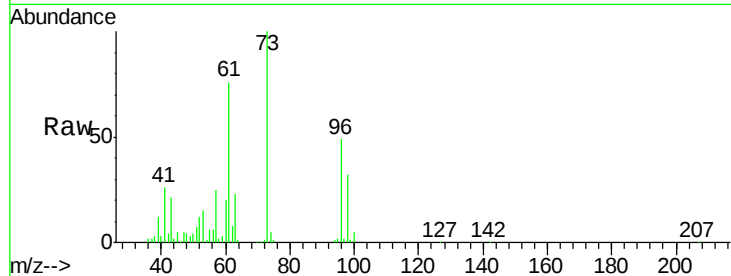
ClientSampleId :

VN0614WBSD01

Tot Ion:	96	Resp:	233812
Ion	Ratio	Lower	Upper
96	100		
61	155.6	121.3	181.9
98	65.1	52.0	78.0

Manual Integrations
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6/15/2018 1:15:28 PM



#22

Diisopropyl ether

Concen: 20.807 ug/l

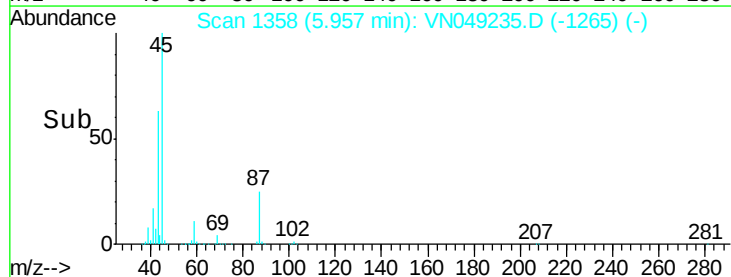
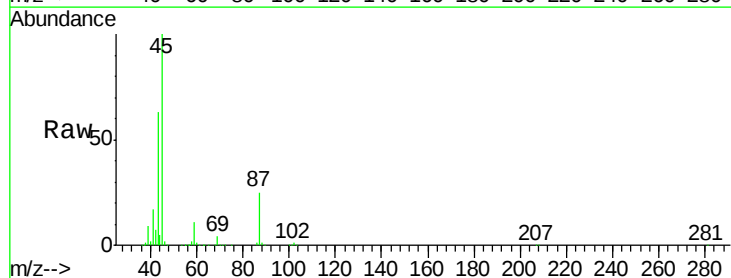
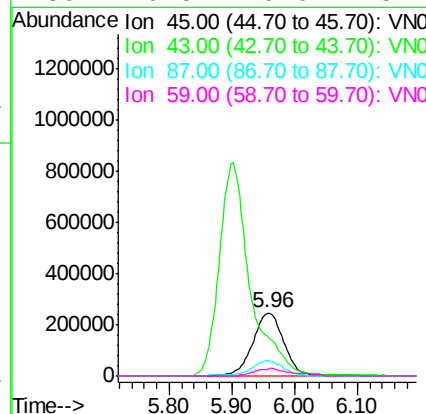
RT: 5.96 min Scan# 1358

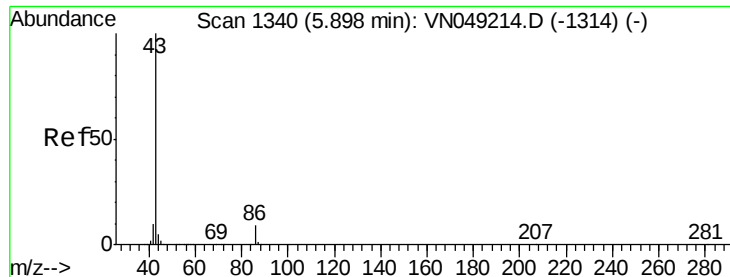
Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Tgt Ion:	45	Resp:	857705
Ion	Ratio	Lower	Upper
45	100		
43	61.5	48.6	72.8
87	24.2	20.2	30.2
59	10.8	9.0	13.4





#23

Vinyl Acetate

Concen: 105.072 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion: 43 Resp: 2863043

Ion Ratio Lower Upper

43 100

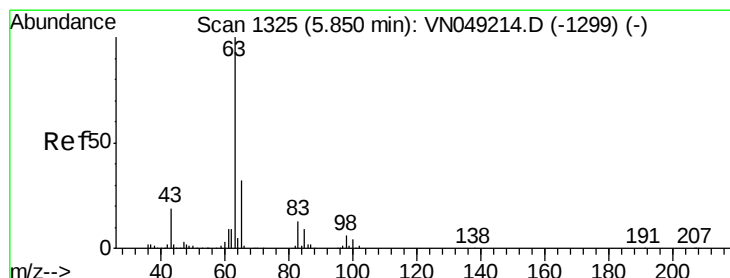
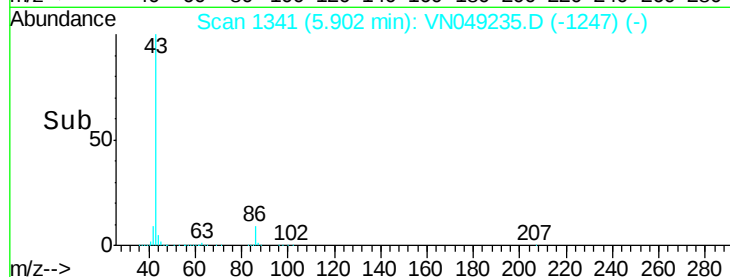
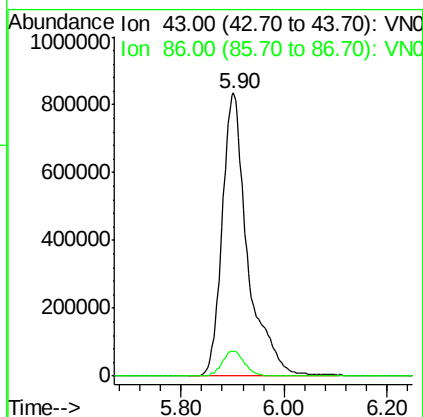
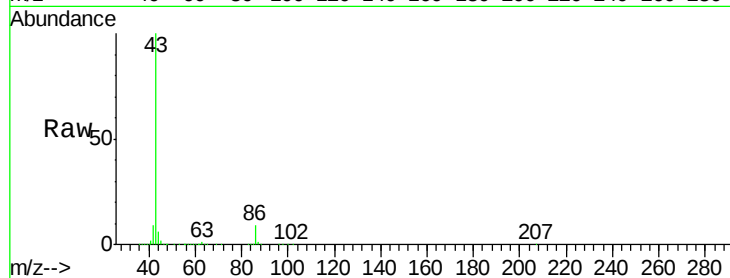
86 8.8 7.2 10.8

Manual Integrations

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6/15/2018 1:15:28 PM



#24

1,1-Dichloroethane

Concen: 20.067 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

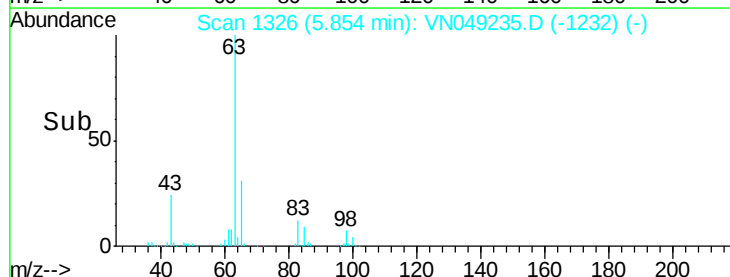
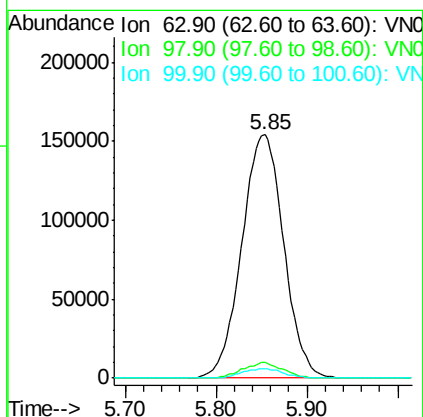
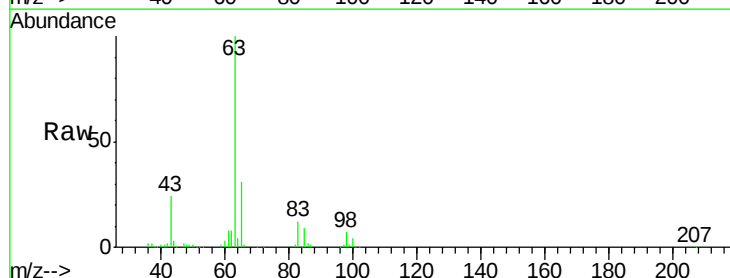
Tgt Ion: 63 Resp: 492955

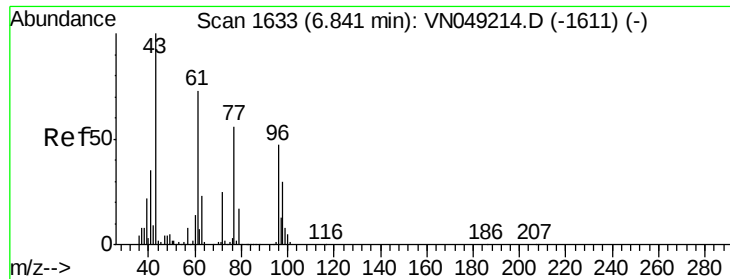
Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

100 3.8 2.1 6.3





#25

2-Butanone

Concen: 106.001 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion: 43 Resp: 515616

Ion Ratio Lower Upper

43 100

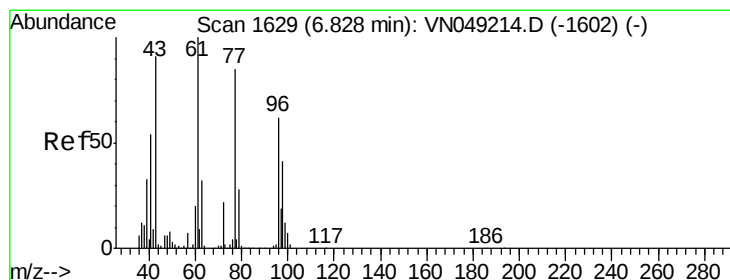
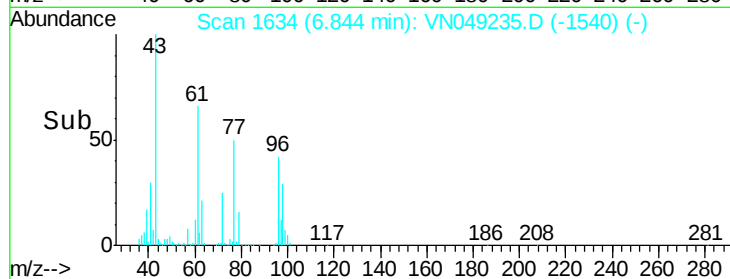
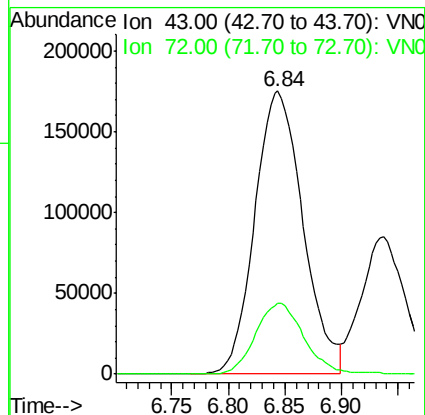
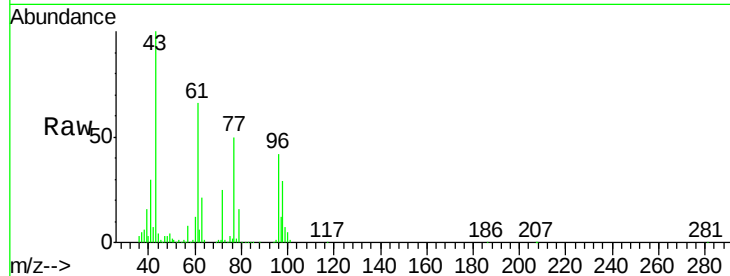
72 25.3 20.2 30.2

Manual Integrations

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6/15/2018 1:15:28 PM



#26

2,2-Dichloropropane

Concen: 20.554 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN049235.D

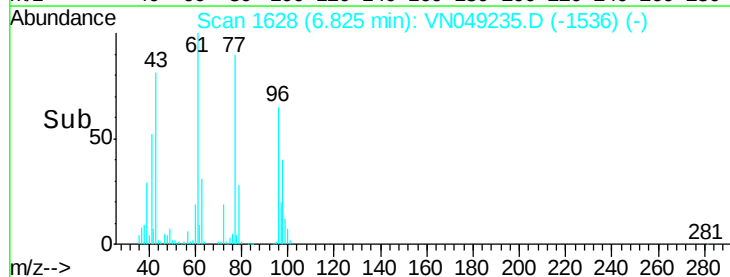
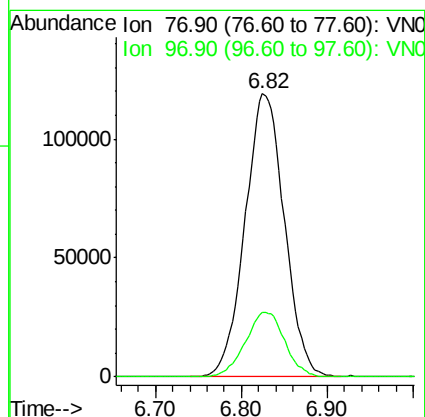
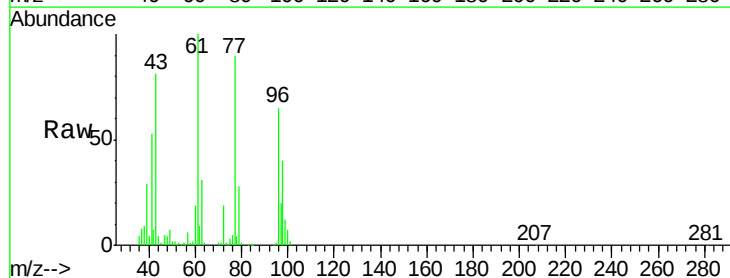
Acq: 14 Jun 2018 18:25

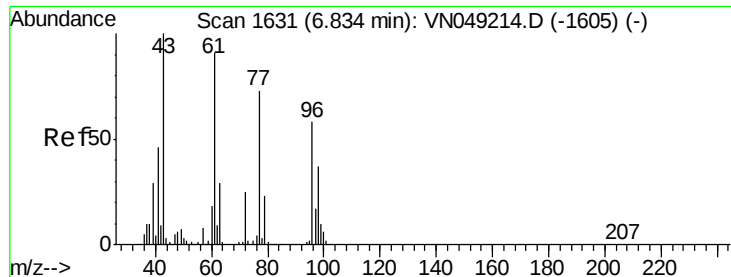
Tgt Ion: 77 Resp: 378624

Ion Ratio Lower Upper

77 100

97 22.9 11.0 33.0





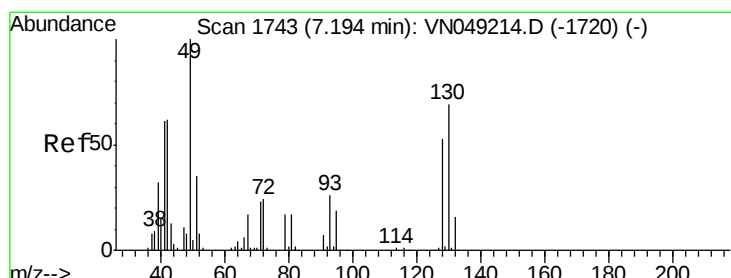
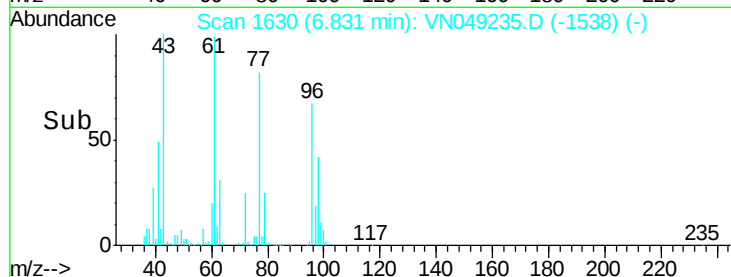
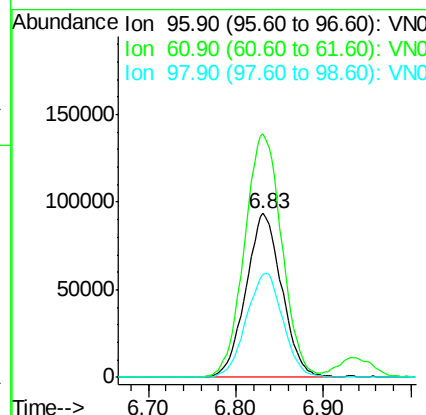
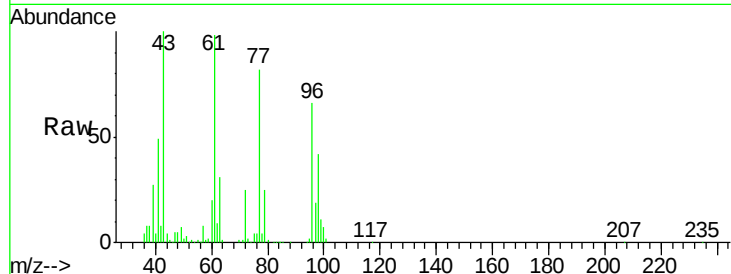
#27
 cis-1,2-Dichloroethene
 Concen: 20.079 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN0614WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	266589		
61	154.1		0.0	316.4
98	64.8		0.0	128.4

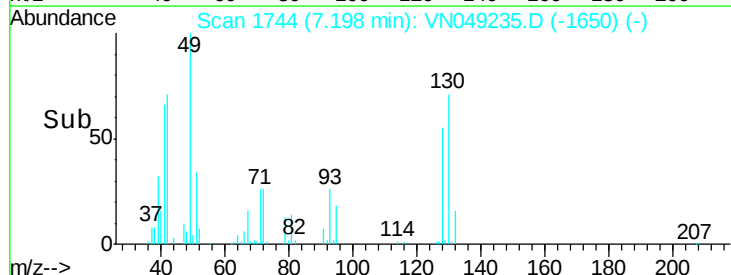
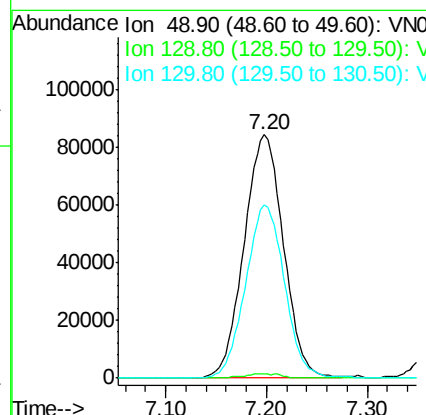
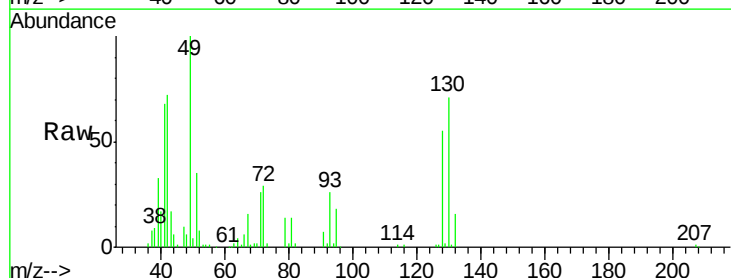
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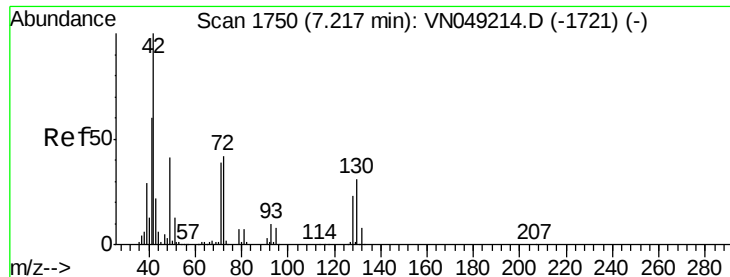
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#28
 Bromochloromethane
 Concen: 19.616 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	228709		
129	1.7		0.0	3.8
130	70.0		54.9	82.3





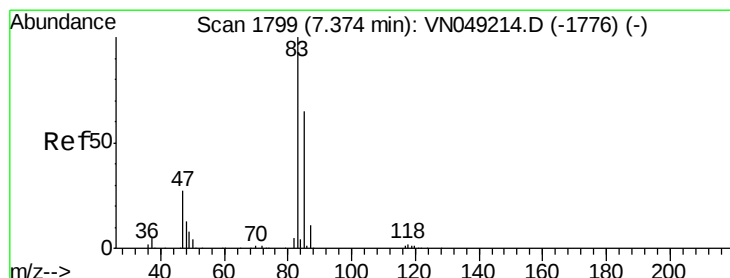
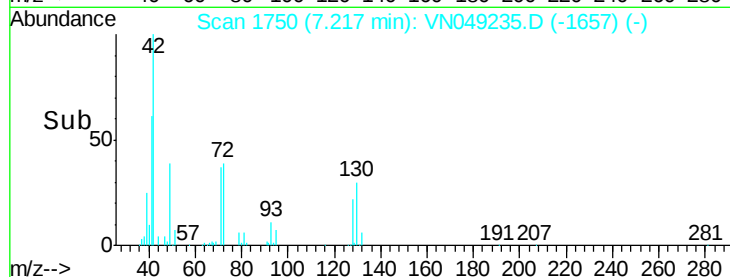
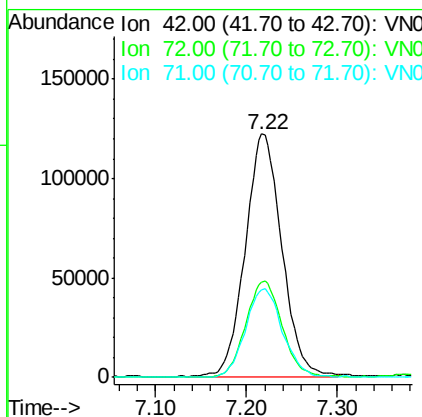
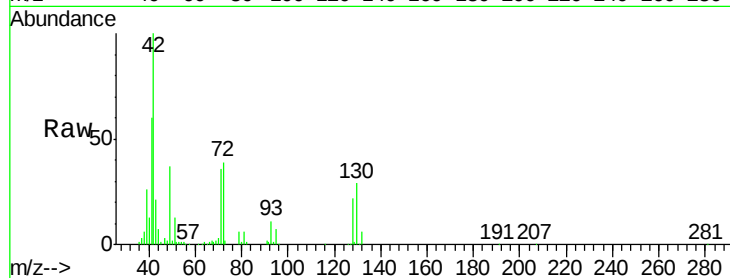
#29
Tetrahydrofuran
Concen: 108.363 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.2	48.4
71	37.2	30.5	45.7

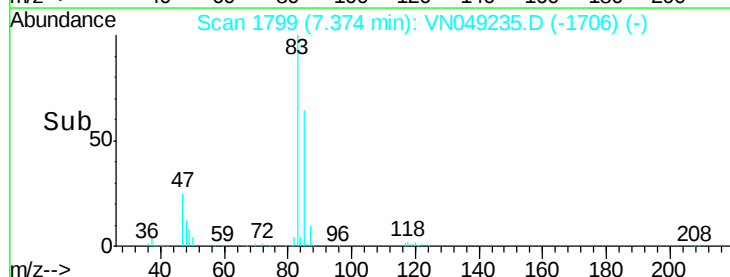
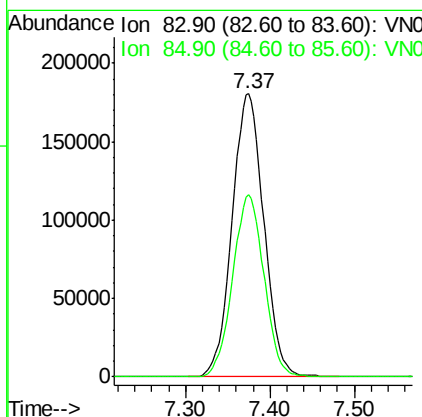
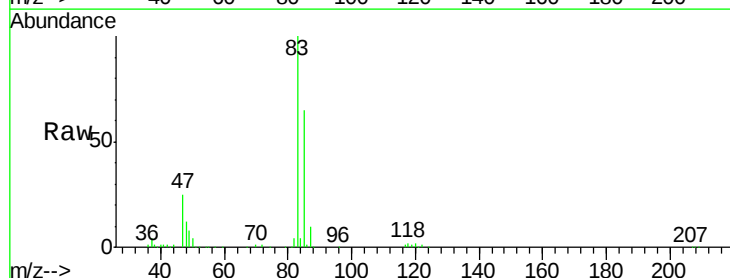
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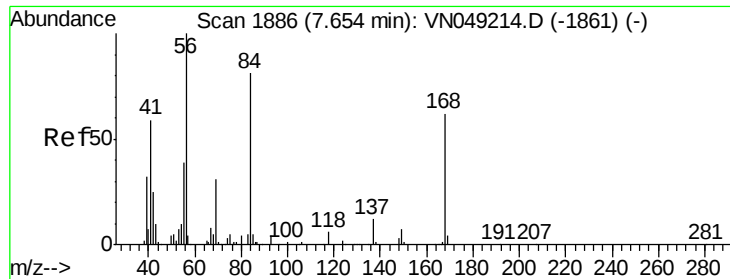
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#30
Chloroform
Concen: 19.991 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.7	77.5





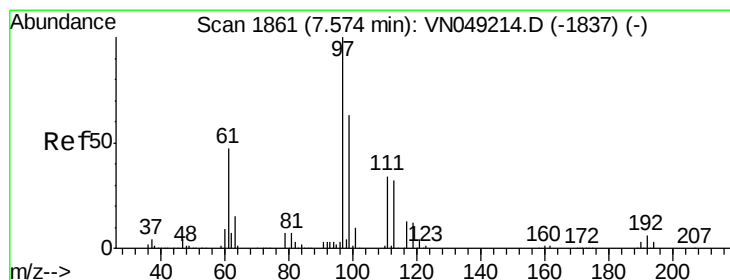
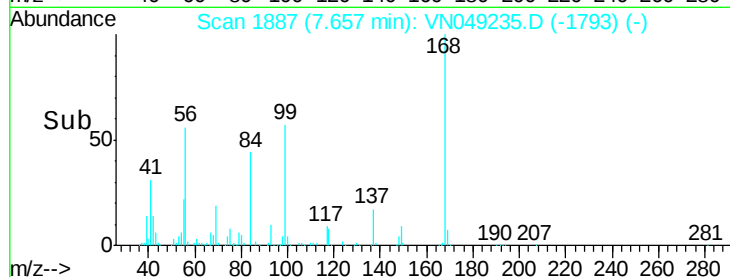
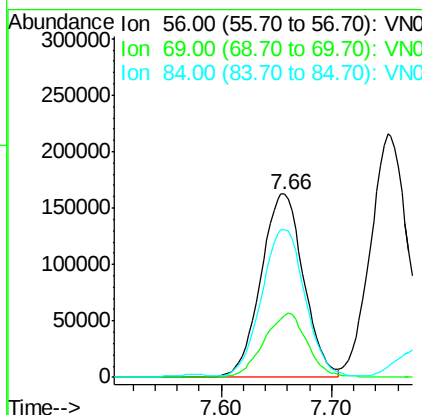
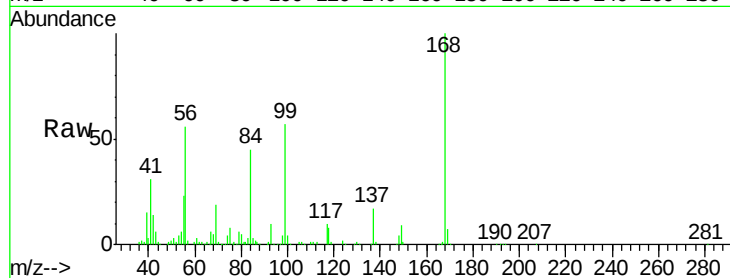
#31
Cyclohexane
Concen: 20.394 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	25.0	37.4
84	79.1	64.6	96.8

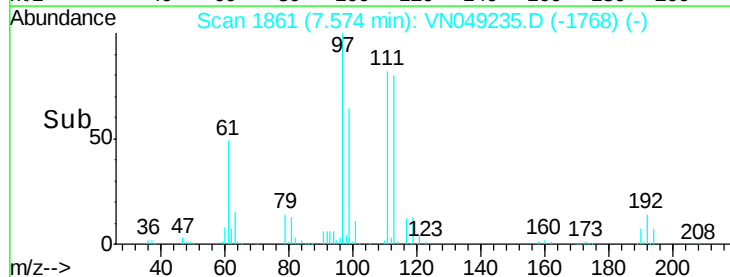
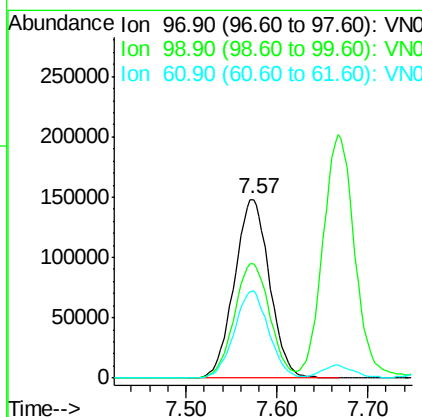
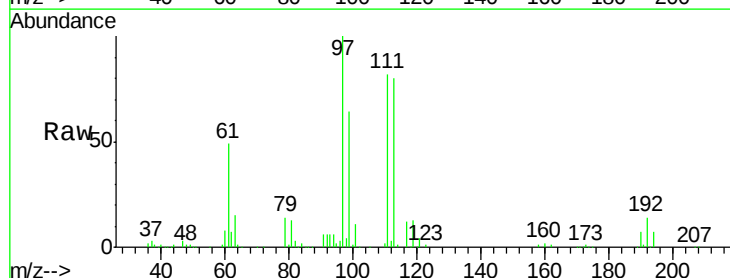
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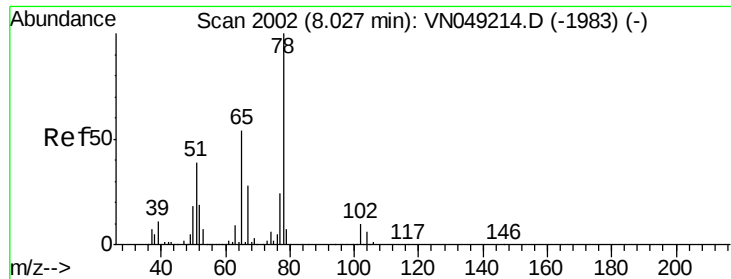
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.550 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.5	75.7
61	47.5	37.9	56.9





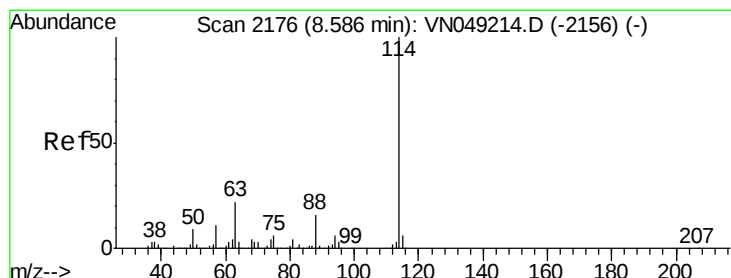
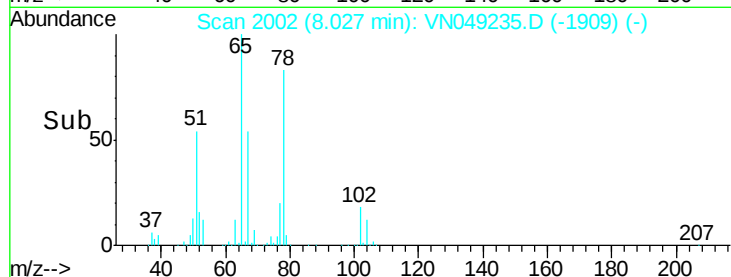
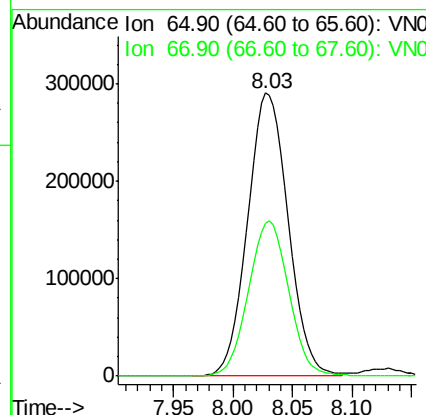
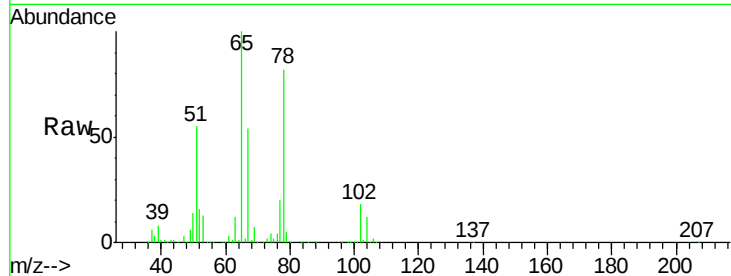
#33
 1,2-Dichloroethane-d4
 Concen: 48.330 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	103.8

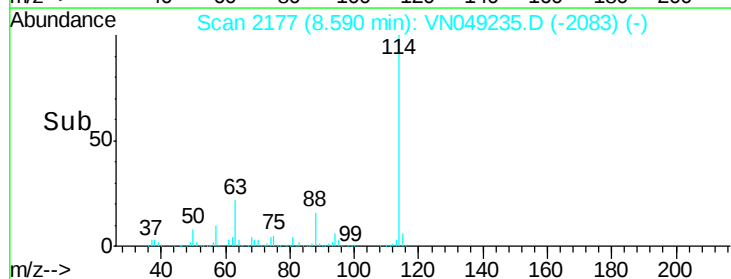
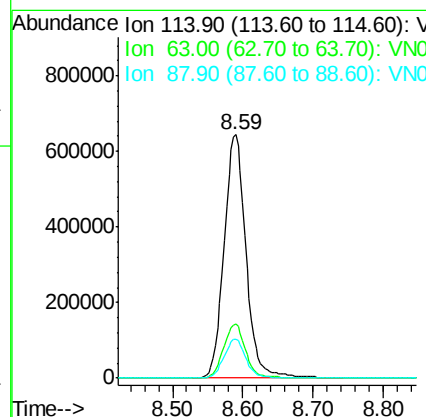
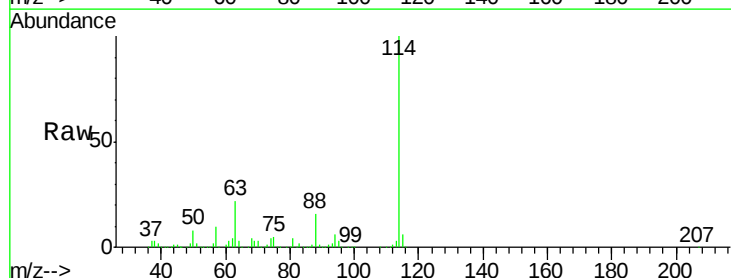
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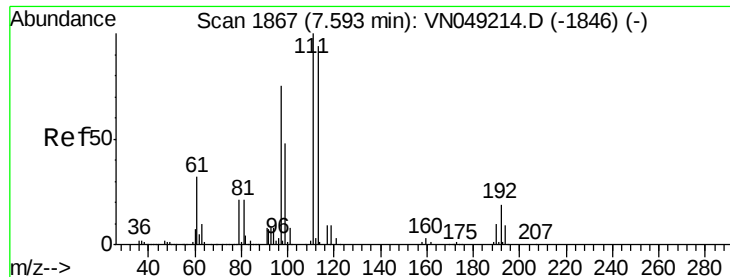
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.4
88	16.0	0.0	31.4





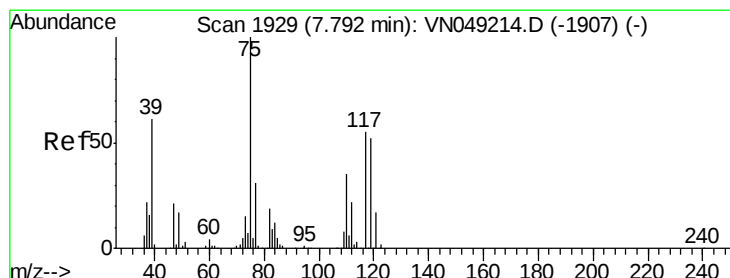
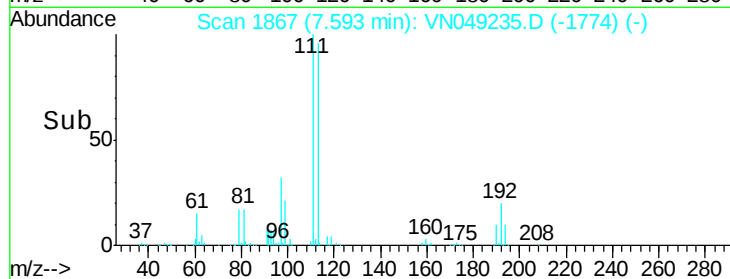
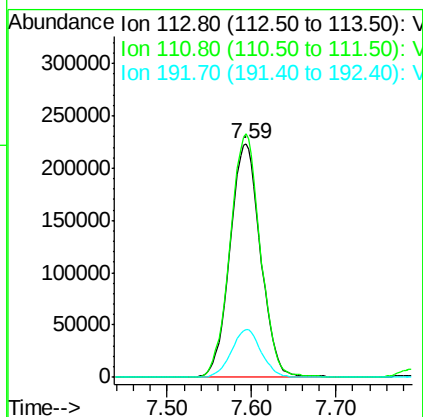
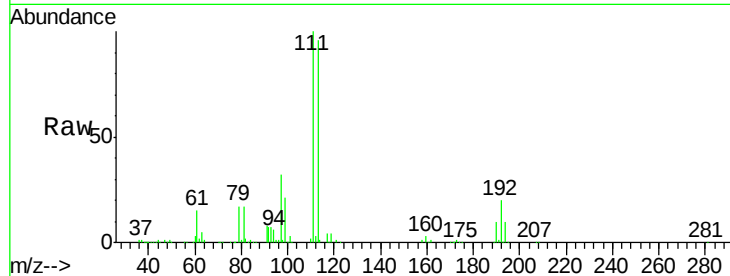
#35
 Dibromofluoromethane
 Concen: 48.560 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	563325		
111	103.5	82.4	123.6	
192	20.0	15.0	22.6	

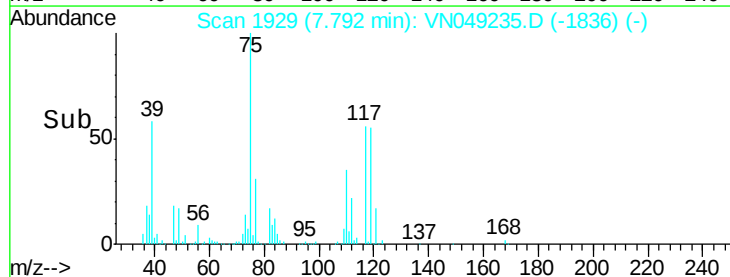
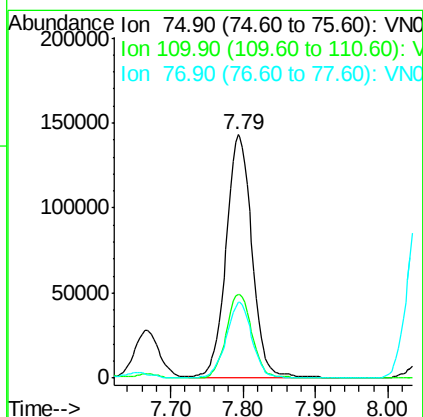
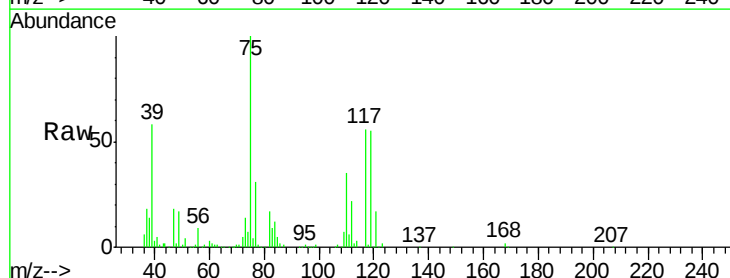
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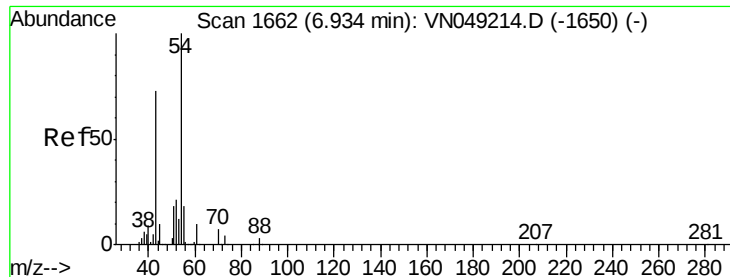
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#36
 1,1-Dichloropropene
 Concen: 20.251 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	354619		
110	34.3	17.0	50.9	
77	31.1	24.4	36.6	





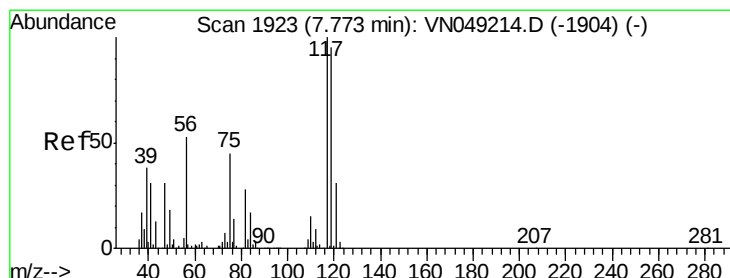
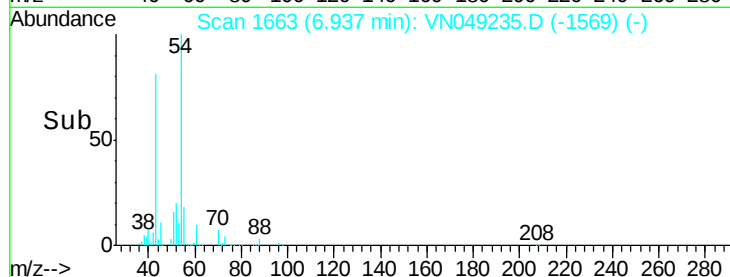
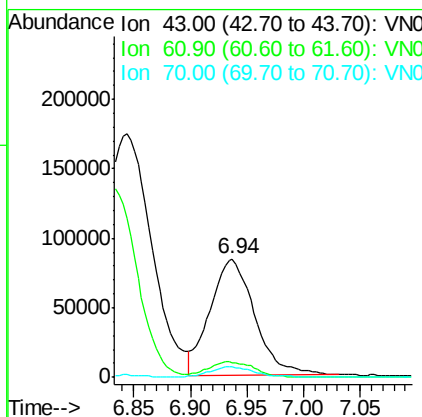
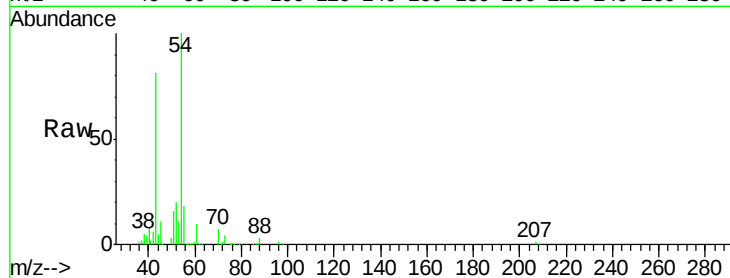
#37
Ethyl Acetate
Concen: 20.912 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.4
70	8.6	7.2	10.8

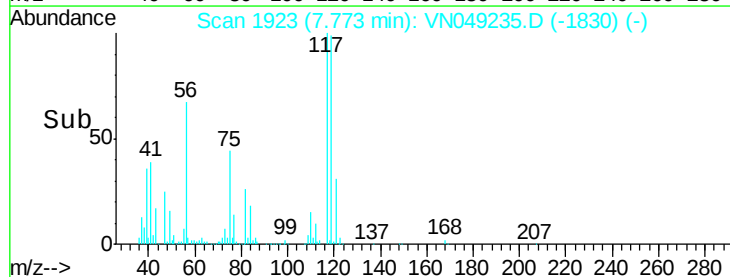
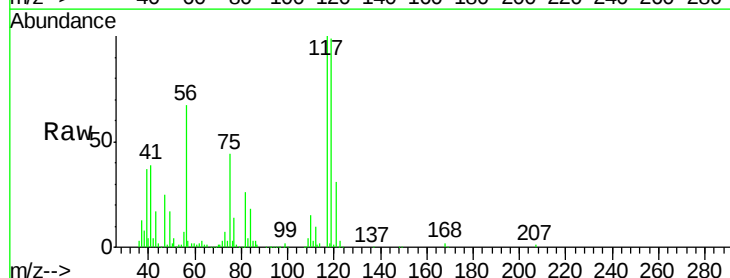
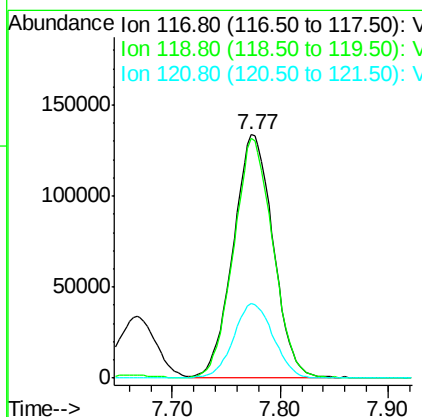
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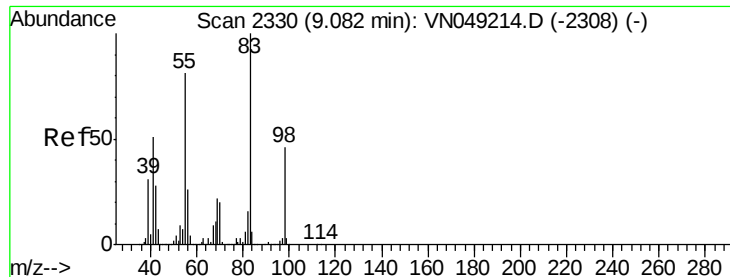
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#38
Carbon Tetrachloride
Concen: 19.394 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	75.6	113.4
121	30.6	24.7	37.1





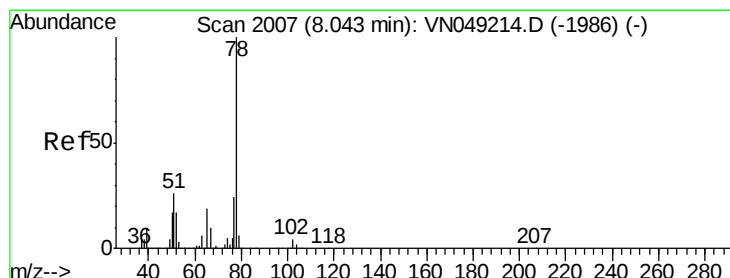
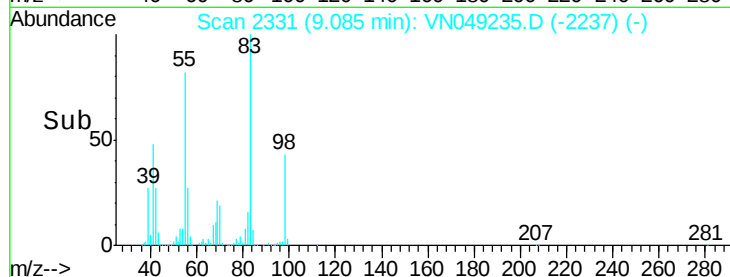
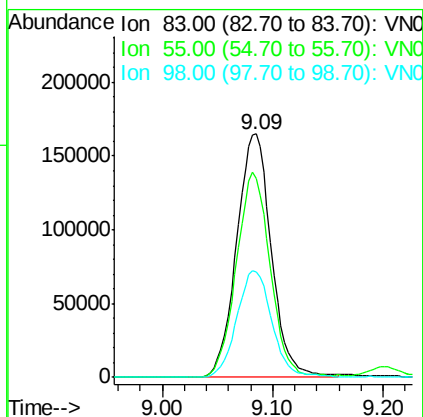
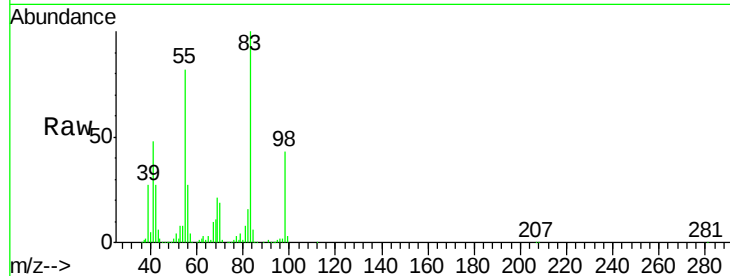
#39
Methvlcvclohexane
Concen: 19.894 ug/l
RT: 9.09 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.4	65.1	97.7
98	43.4	36.5	54.7

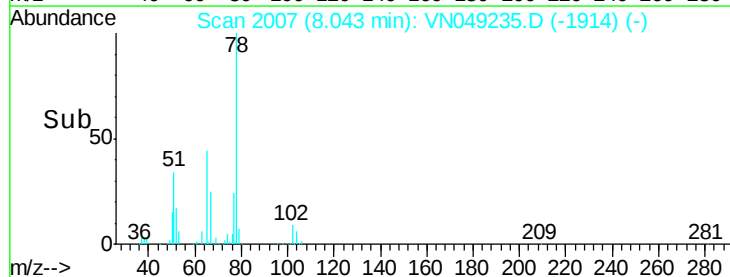
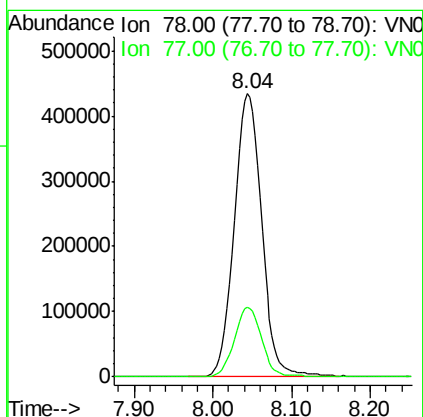
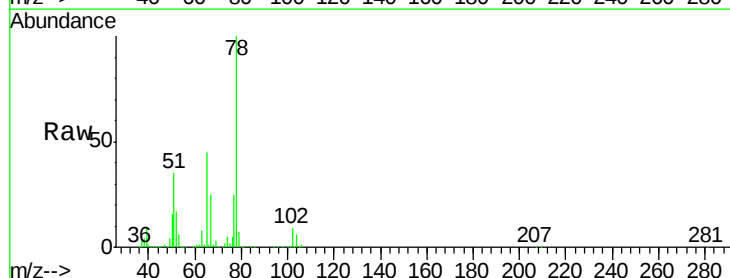
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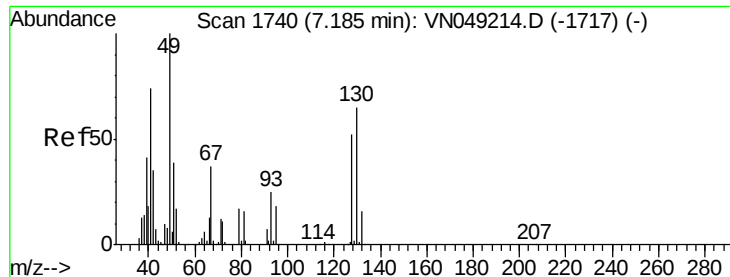
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#40
Benzene
Concen: 19.914 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.4	29.0





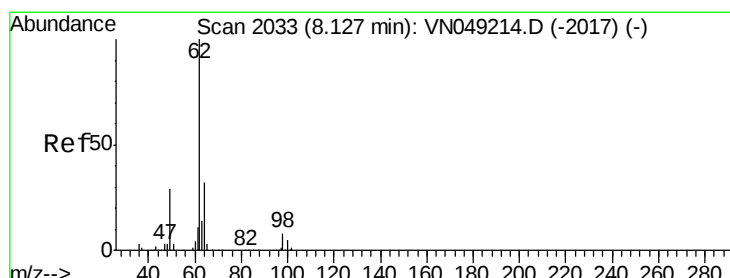
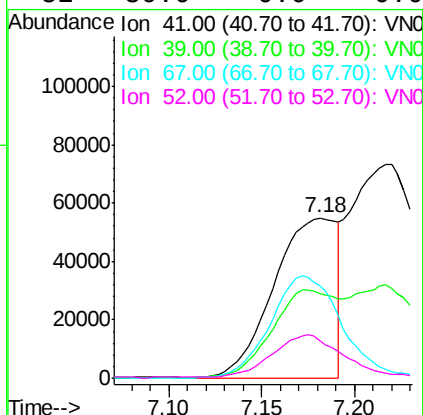
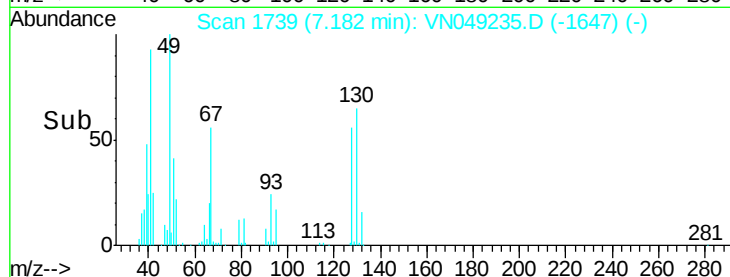
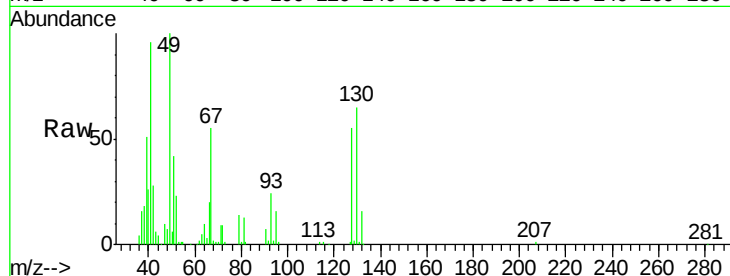
#41
Methacrylonitrile
Concen: 20.851 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.0	0.0	0.0#
67	73.1	0.0	0.0#
52	30.0	0.0	0.0#

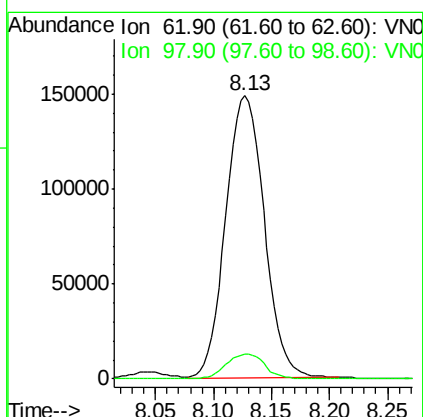
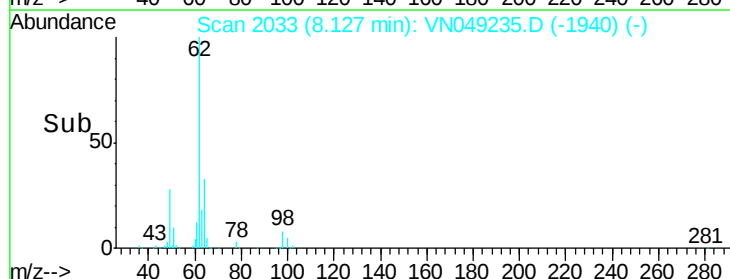
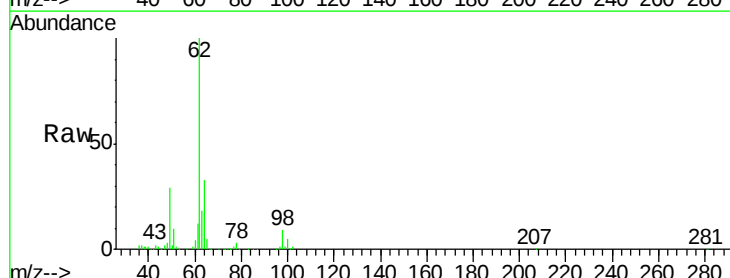
Manual Integrations
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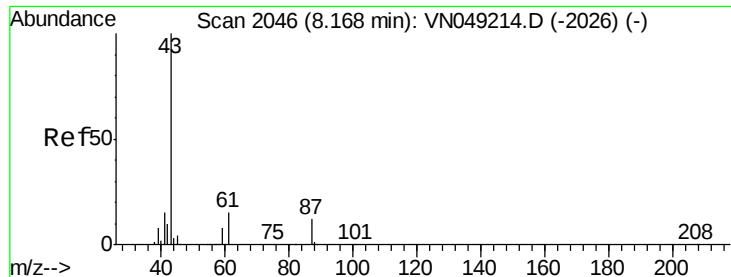
MMDadoda
6/15/2018 1:15:28 PM



#42
1,2-Dichloroethane
Concen: 19.657 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.2





#43

Isopropyl Acetate

Concen: 21.714 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

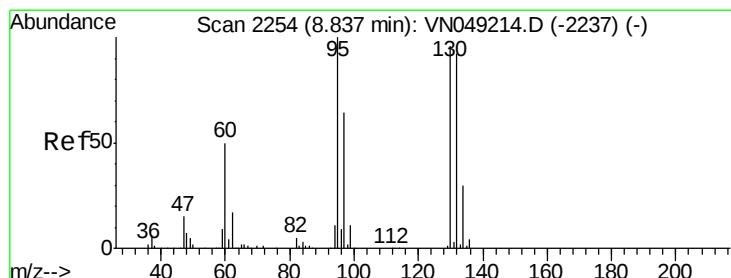
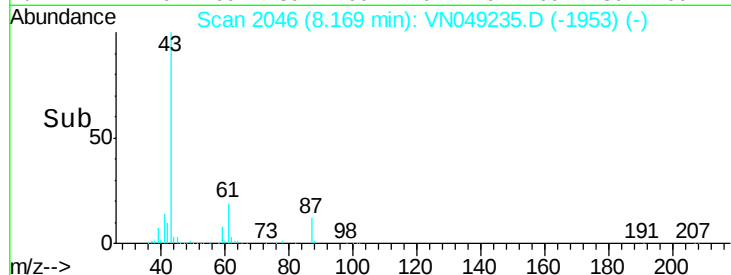
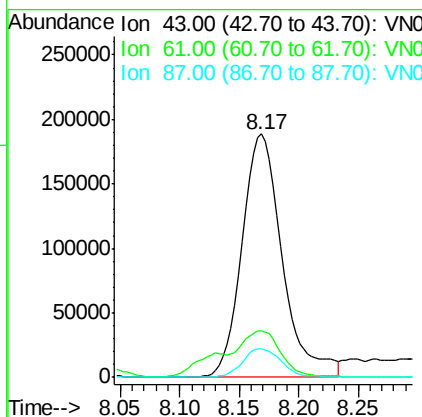
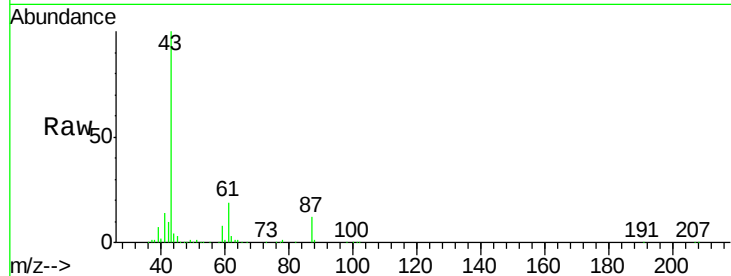
ClientSampleId :

VN0614WBSD01

Tot Ion:	43	Resp:	441329
Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.2	21.4
87	11.5	9.4	14.0

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#44

Trichloroethene

Concen: 19.382 ug/l

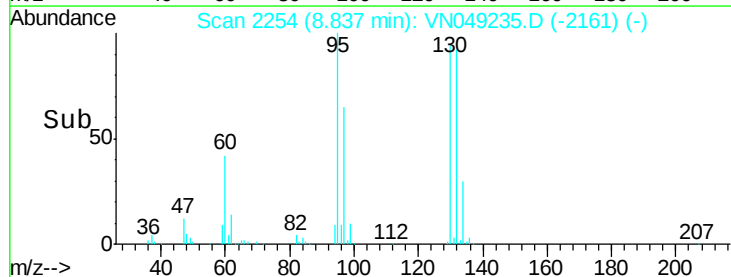
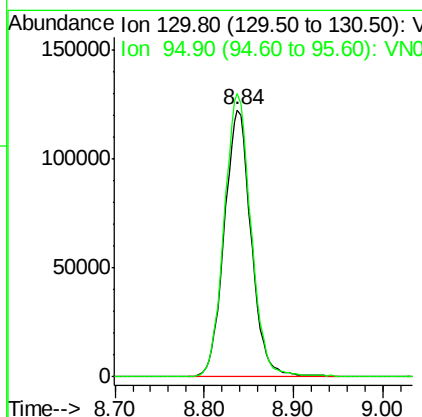
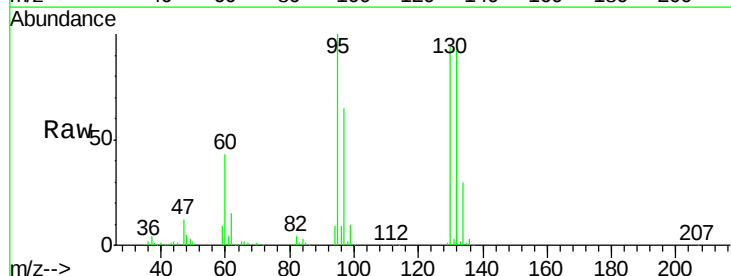
RT: 8.84 min Scan# 2254

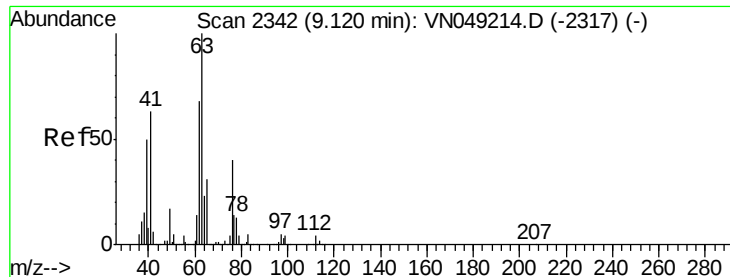
Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Tgt Ion:	130	Resp:	256763
Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	208.6





#45

1,2-Dichloropropane

Concen: 19.826 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion: 63 Resp: 289308

Ion Ratio Lower Upper

63 100

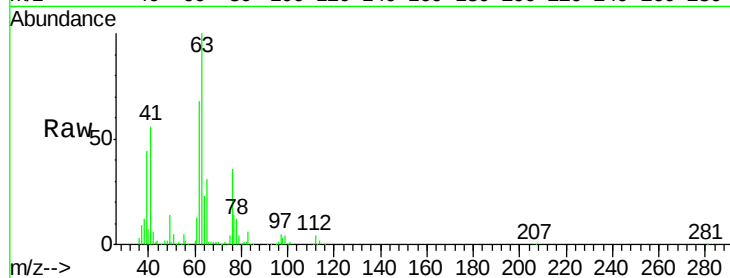
65 31.3 24.8 37.2

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

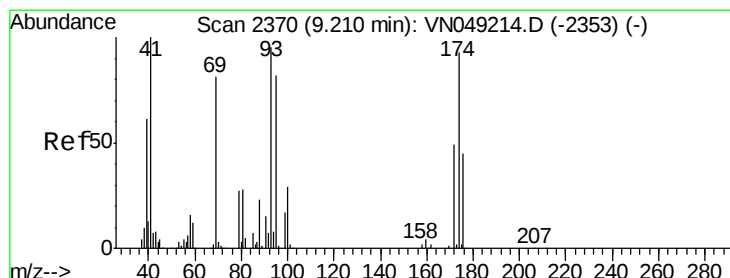
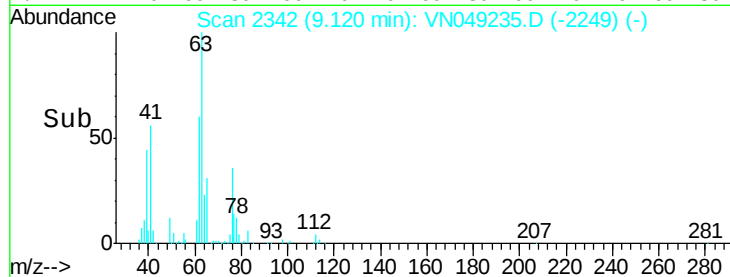
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 20.191 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

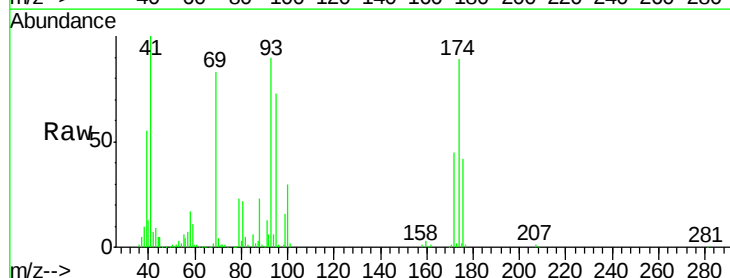
Tgt Ion: 93 Resp: 162779

Ion Ratio Lower Upper

93 100

95 82.6 67.2 100.8

174 98.4 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

9.21

100000

80000

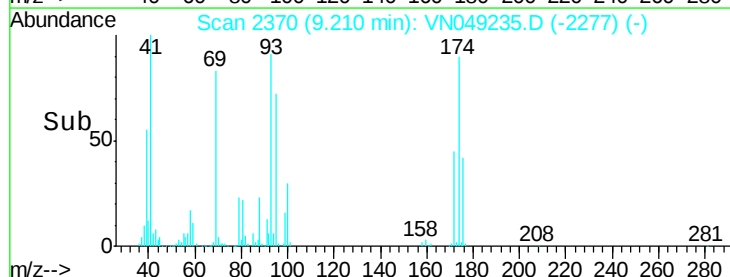
60000

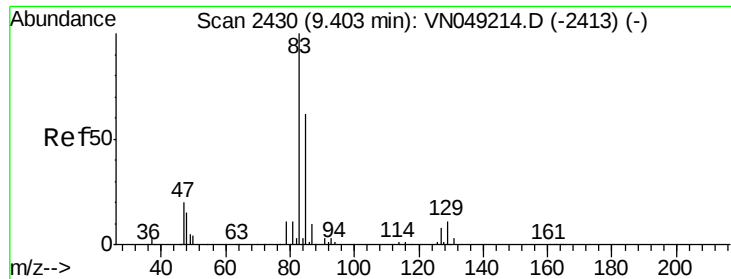
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 19.823 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

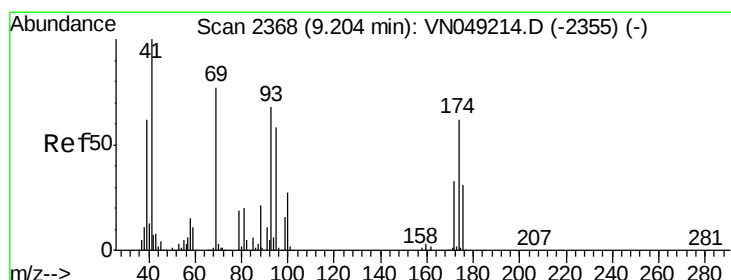
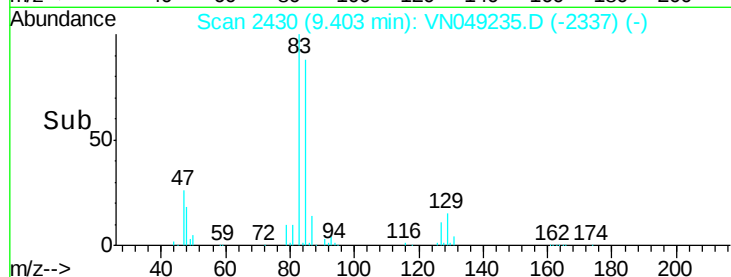
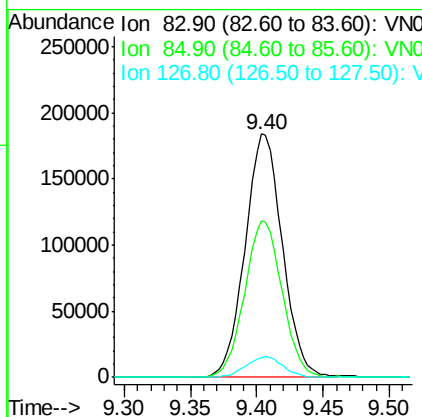
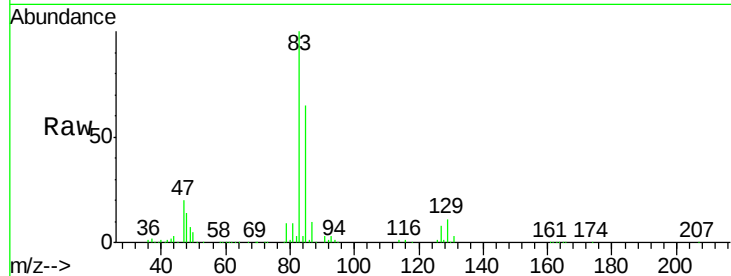
ClientSampleId :

VN0614WBSD01

Tot Ion:	83	Resp:	359957
Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.4	74.0
127	8.2	6.3	9.5

Manual Integrations
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6/15/2018 1:15:28 PM



#48

Methyl methacrylate

Concen: 19.376 ug/l

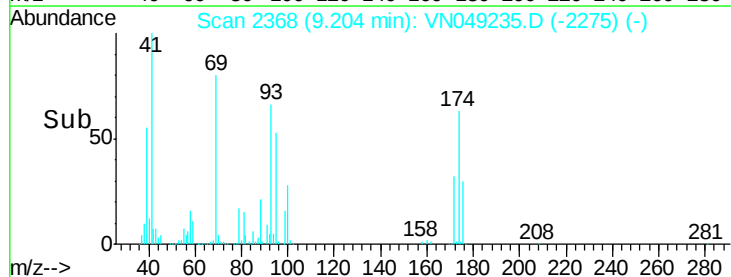
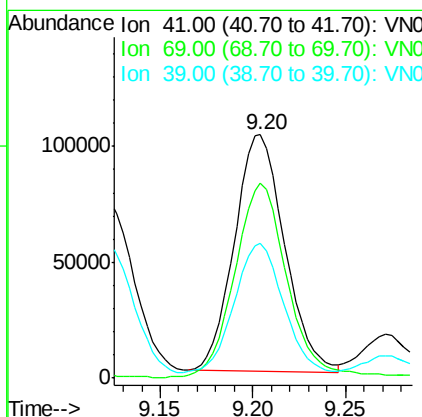
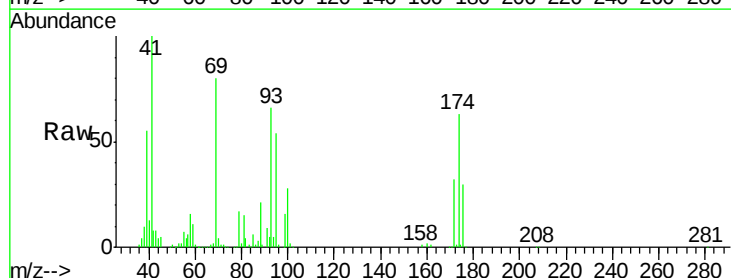
RT: 9.20 min Scan# 2368

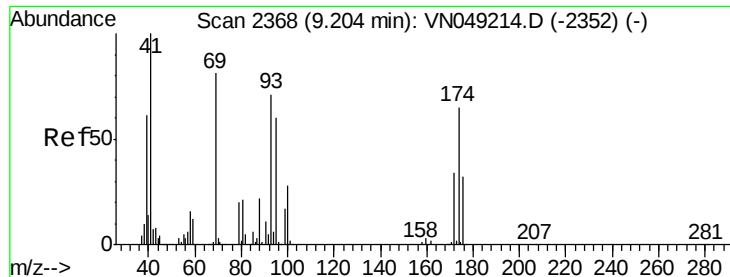
Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Tgt Ion:	41	Resp:	192426
Ion	Ratio	Lower	Upper
41	100		
69	85.8	62.0	93.0
39	57.9	50.6	75.8





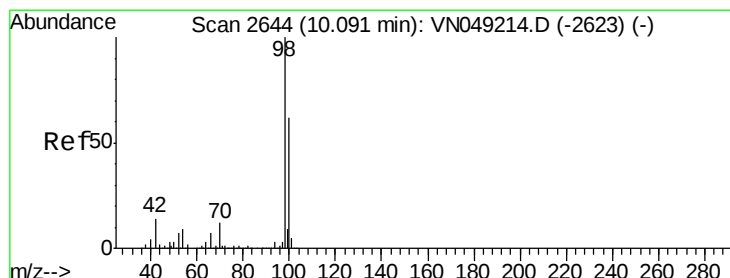
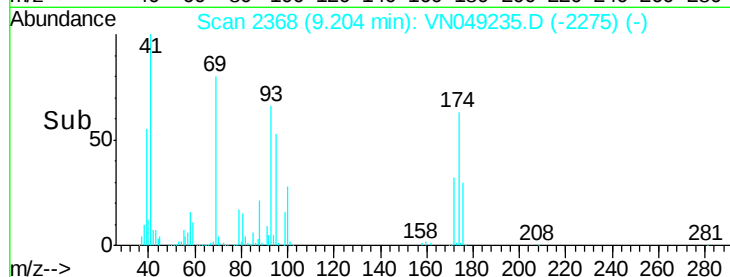
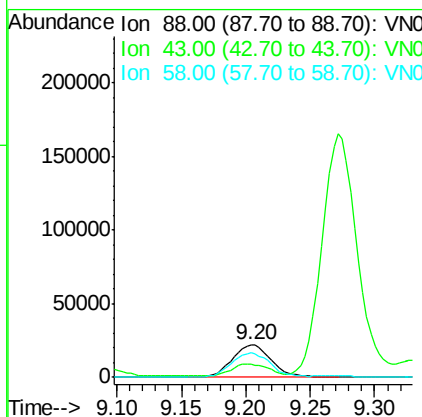
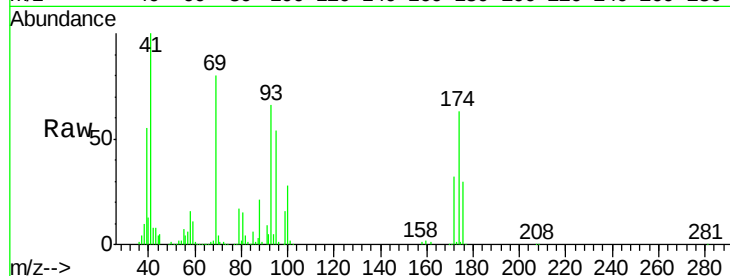
#49
1,4-Dioxane
Concen: 394.404 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	30.9	46.3
58	76.6	58.9	88.3

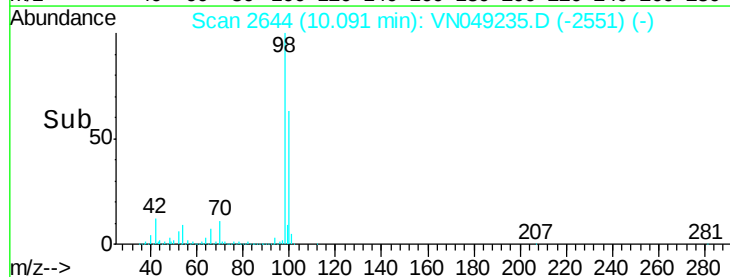
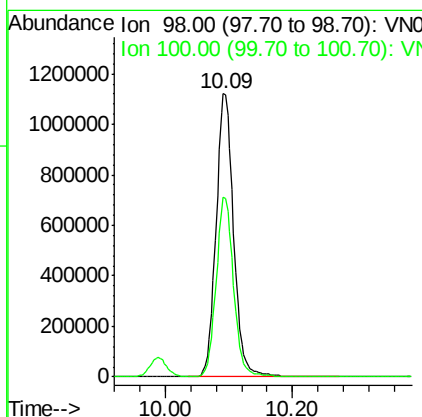
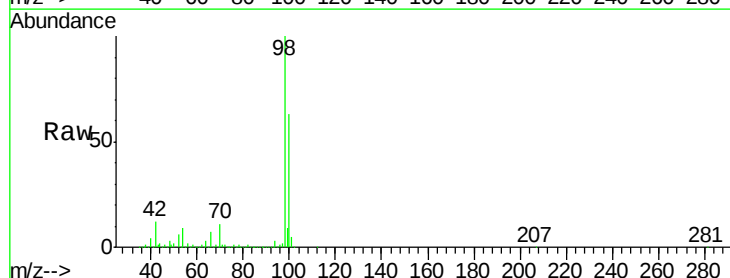
Manual Integrations
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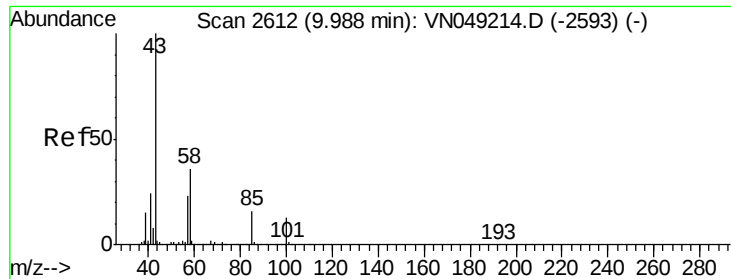
MMDadoda
6/15/2018 1:15:28 PM



#50
Toluene-d8
Concen: 47.493 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	49.8	74.8





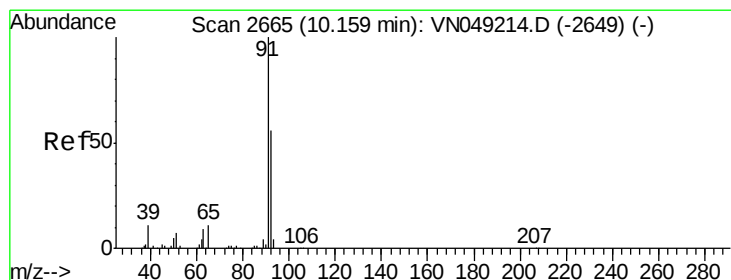
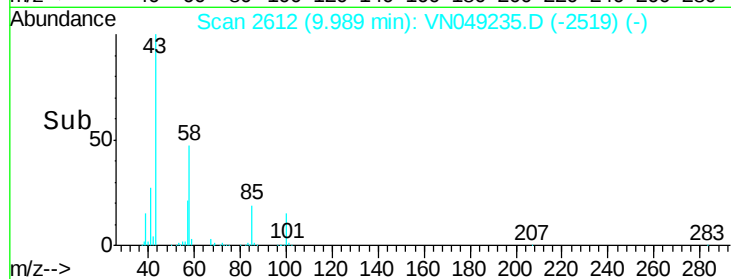
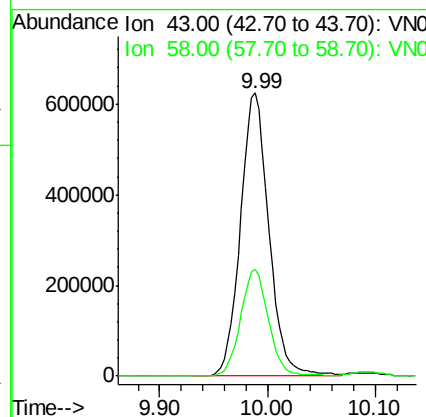
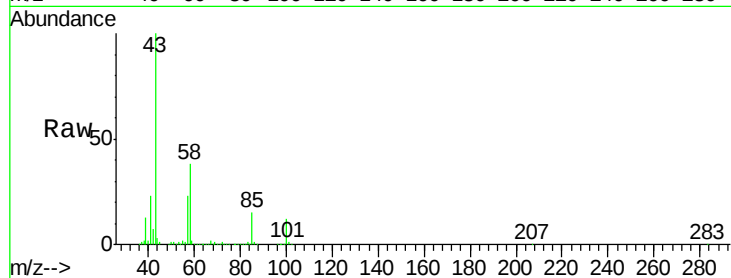
#51
4-Methyl-2-Pentanone
Concen: 105.938 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampled :
VN0614WBSD01

Tot Ion: 43 Resp: 1146714
Ion Ratio Lower Upper
43 100
58 37.3 29.0 43.6

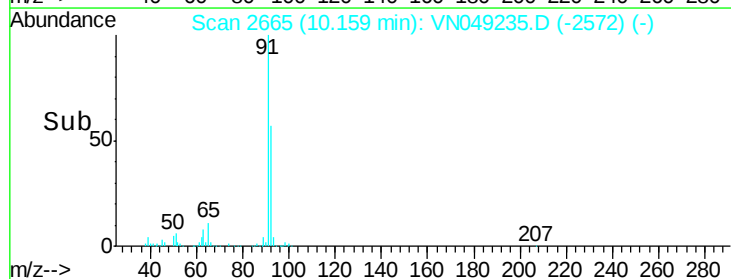
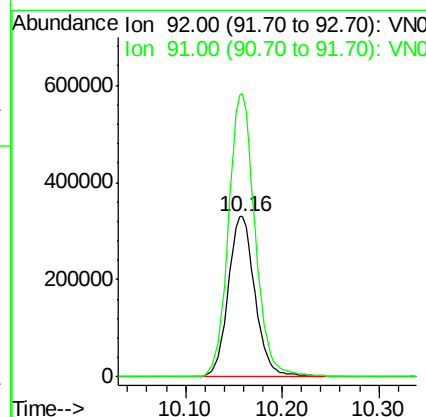
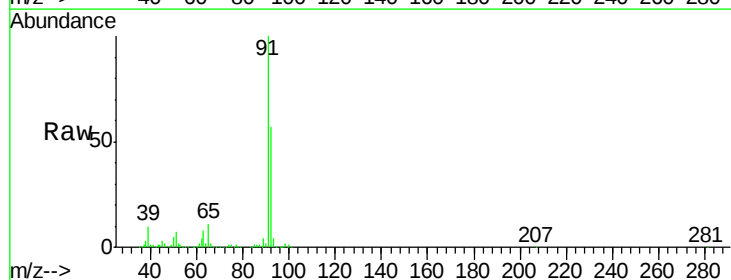
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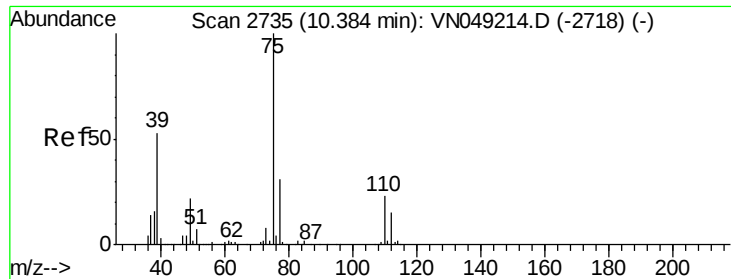
MMDadoda
6/15/2018 1:15:28 PM



#52
Toluene
Concen: 20.475 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion: 92 Resp: 632011
Ion Ratio Lower Upper
92 100
91 175.8 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 19.828 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampled :

VN0614WBSD01

Tot Ion: 75 Resp: 342309

Ion Ratio Lower Upper

75 100

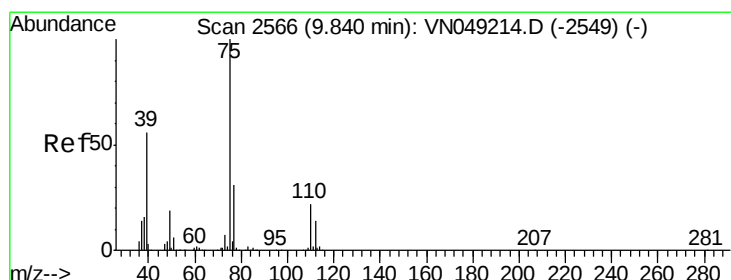
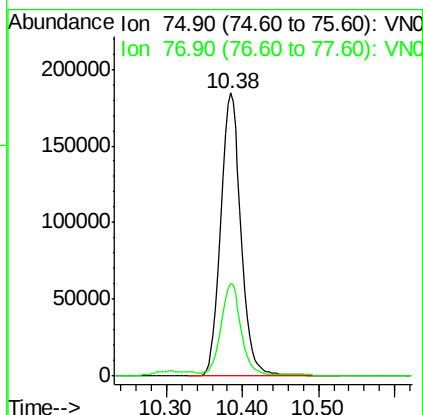
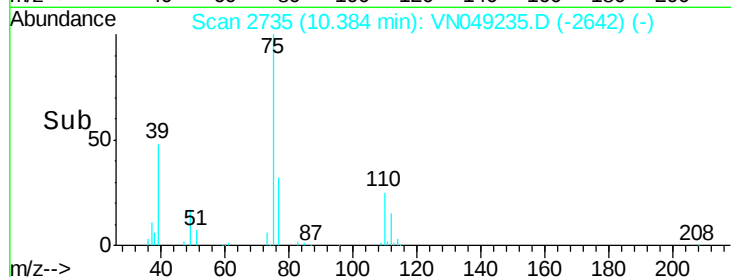
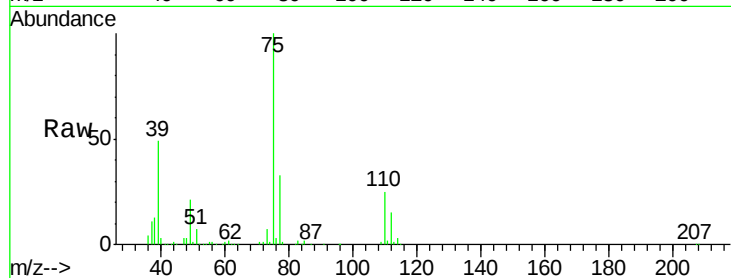
77 32.3 25.2 37.8

Manual Integrations

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MMDadoda

6/15/2018 1:15:28 PM



#54

cis-1,3-Dichloropropene

Concen: 20.402 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

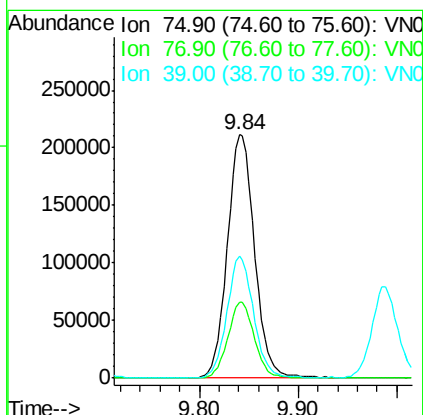
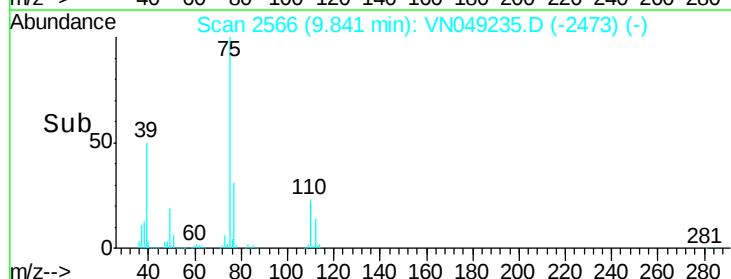
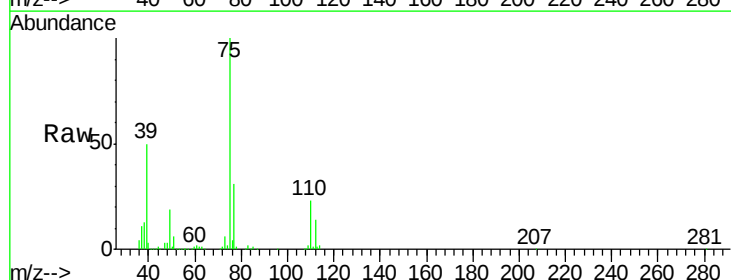
Tgt Ion: 75 Resp: 408165

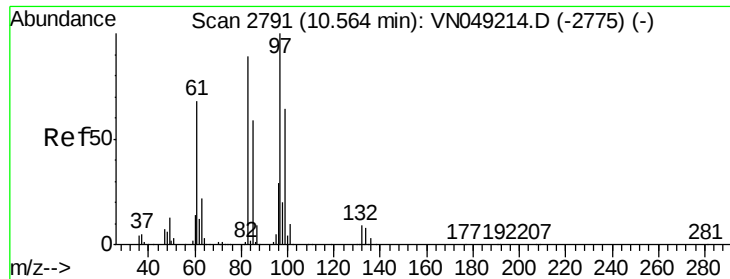
Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

39 49.9 45.1 67.7





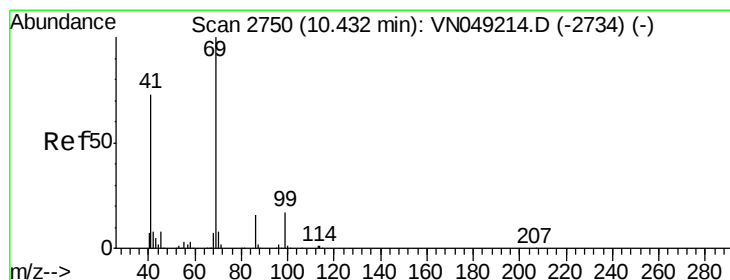
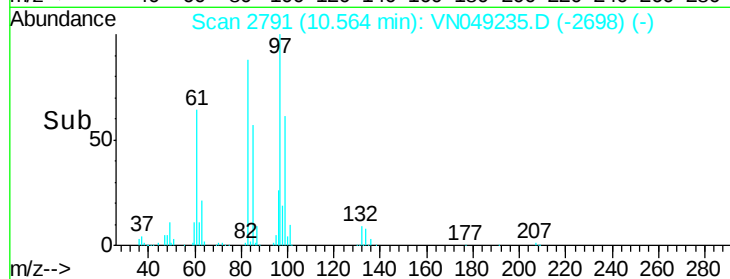
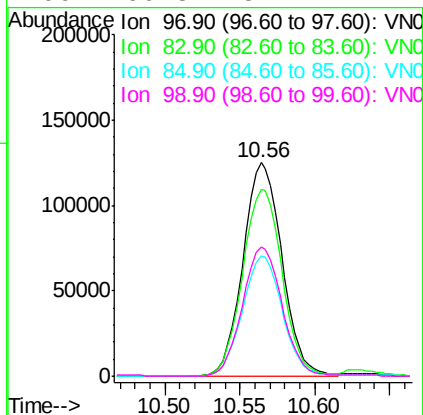
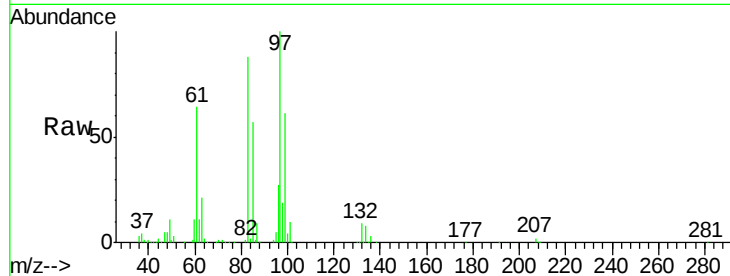
#55
 1,1,2-Trichloroethane
 Concen: 20.093 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Tot Ion	97	Resp	227622
Ion	Ratio	Lower	Upper
97	100		
83	87.7	71.5	107.3
85	56.6	47.0	70.4
99	60.8	51.4	77.2

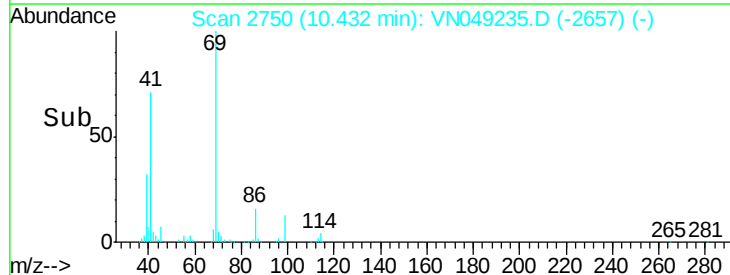
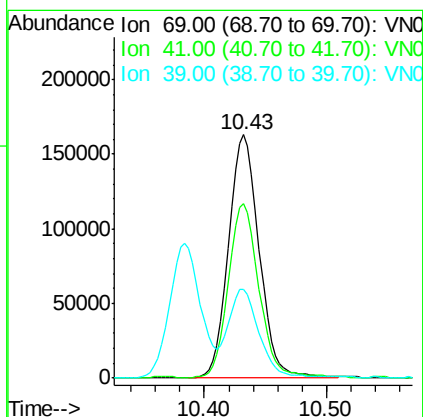
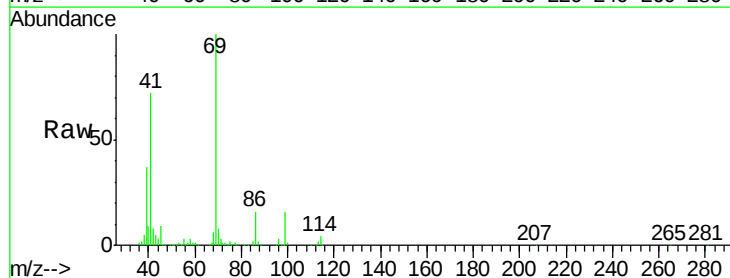
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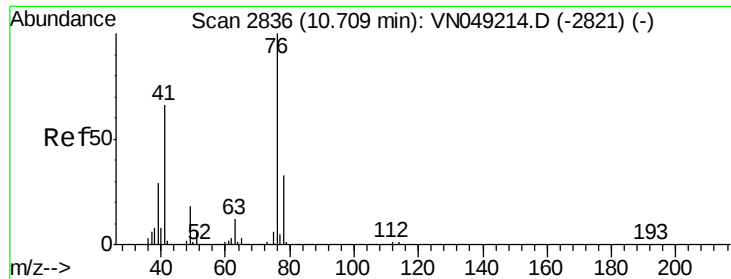
MMDadoda
 6/15/2018 1:15:28 PM



#56
 Ethyl methacrylate
 Concen: 20.986 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion	69	Resp	286600
Ion	Ratio	Lower	Upper
69	100		
41	71.0	58.4	87.6
39	36.4	35.5	53.3





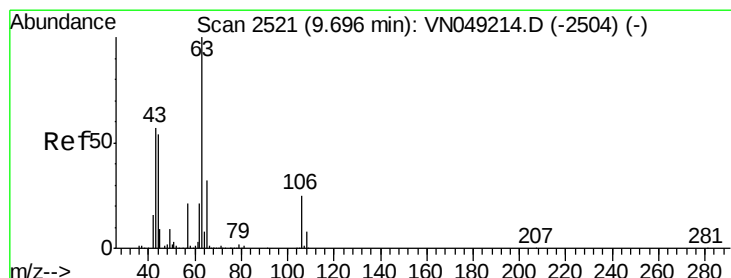
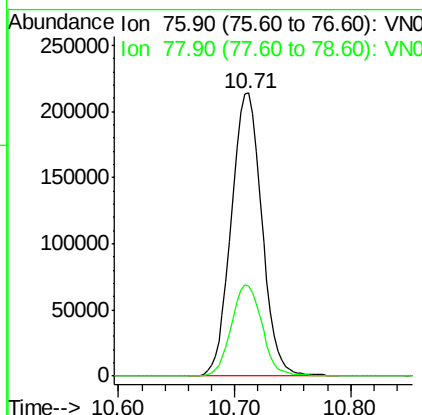
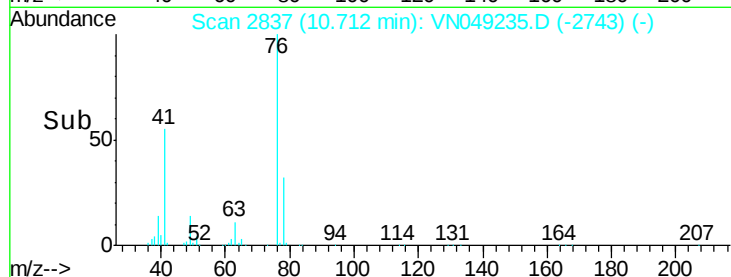
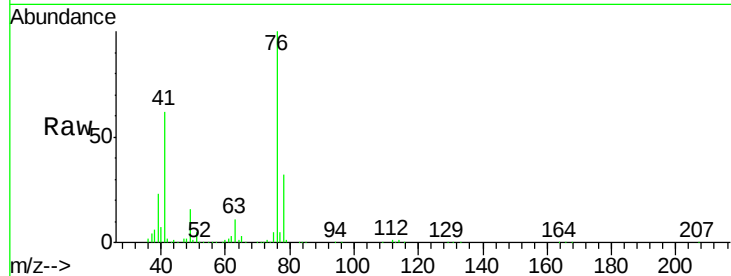
#57
 1,3-Dichloropropane
 Concen: 20.141 ug/l
 RT: 10.71 min Scan# 2837
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.3	39.5

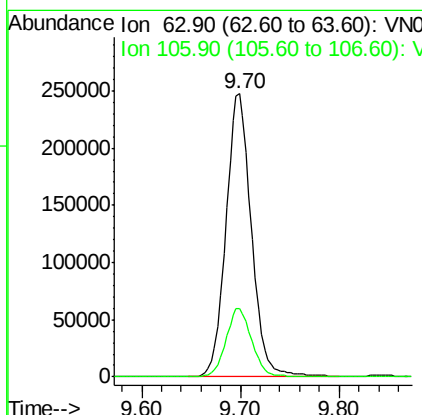
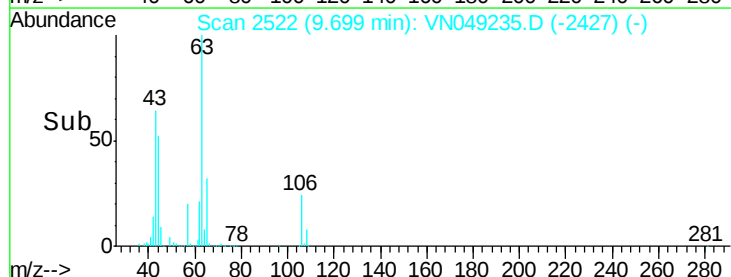
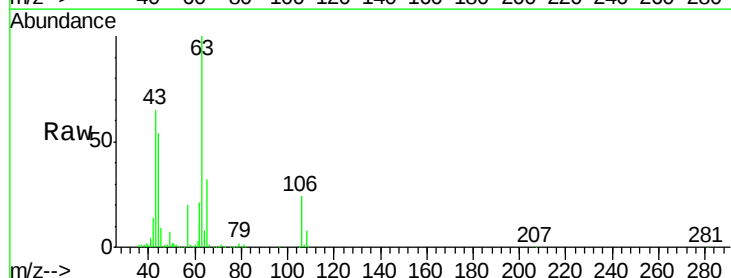
Manual Integrations
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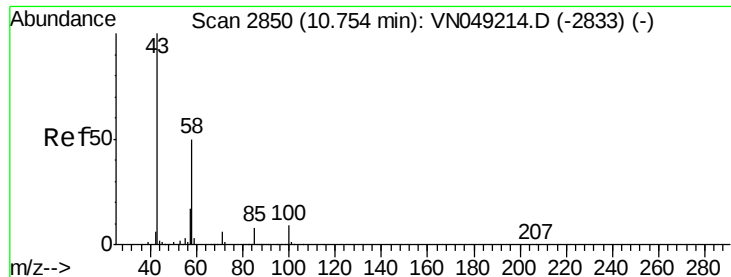
MMDadoda
 6/15/2018 1:15:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.906 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.4	19.4	29.2





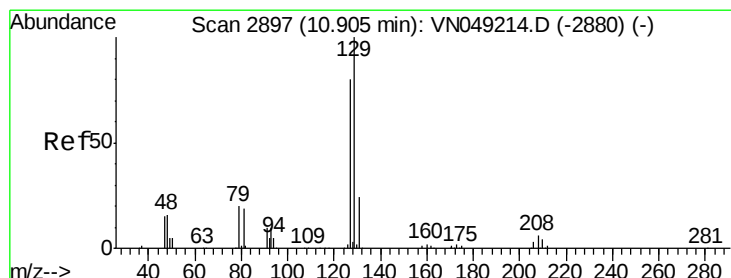
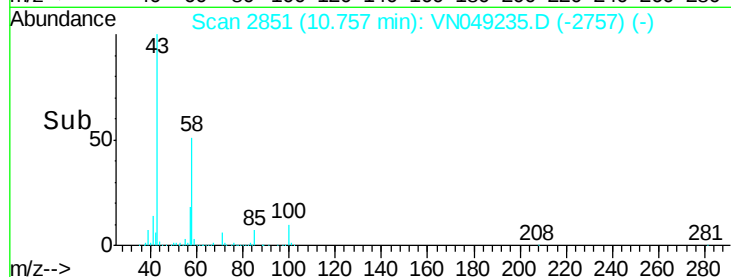
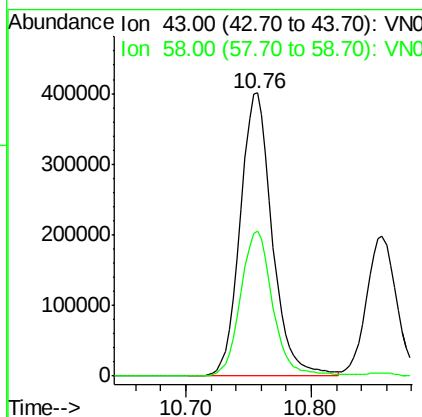
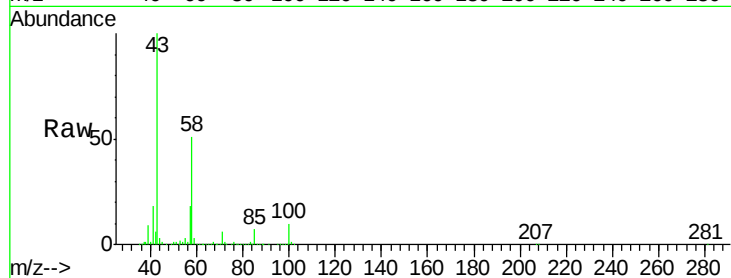
#59
2-Hexanone
Concen: 105.517 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion: 43 Resp: 711690
Ion Ratio Lower Upper
43 100
58 51.6 25.2 75.6

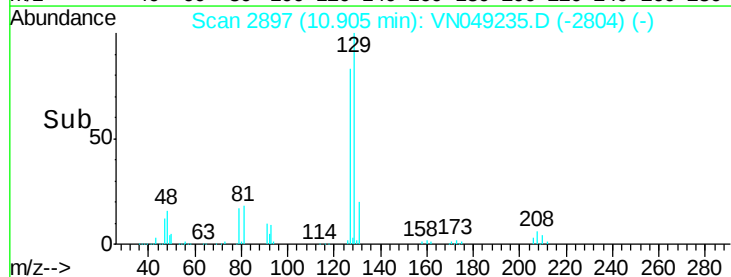
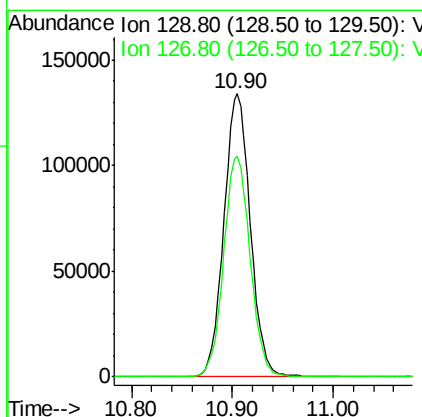
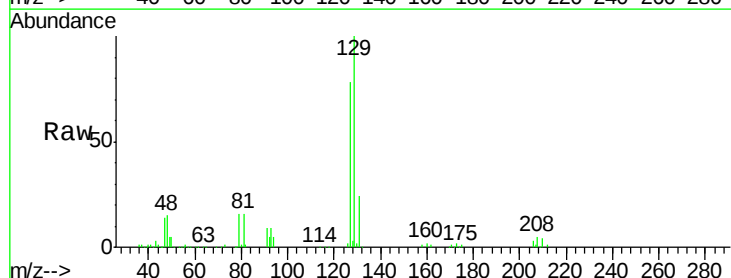
Manual Integrations
APPROVED

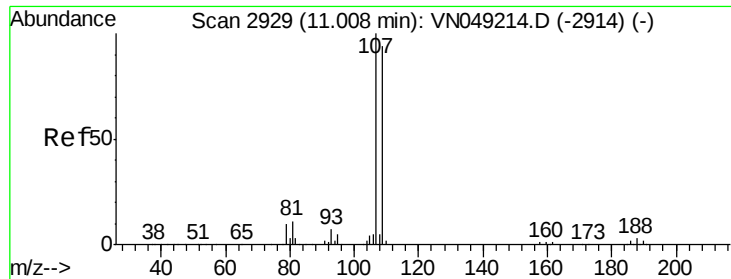
MMDadoda
6/15/2018 1:15:28 PM



#60
Dibromochloromethane
Concen: 19.562 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion: 129 Resp: 245760
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2





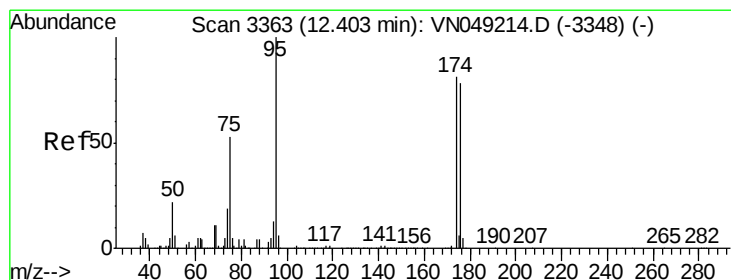
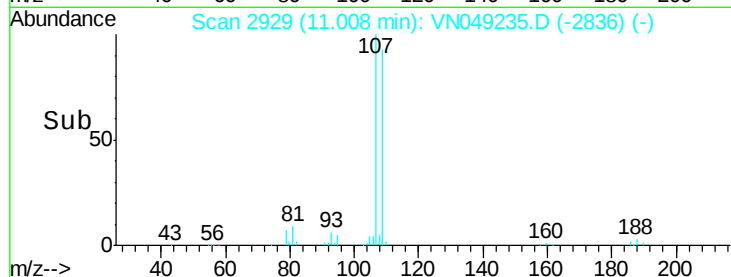
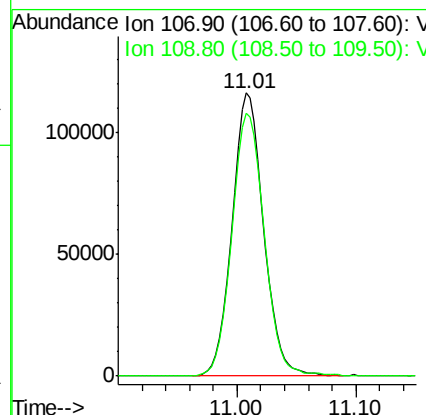
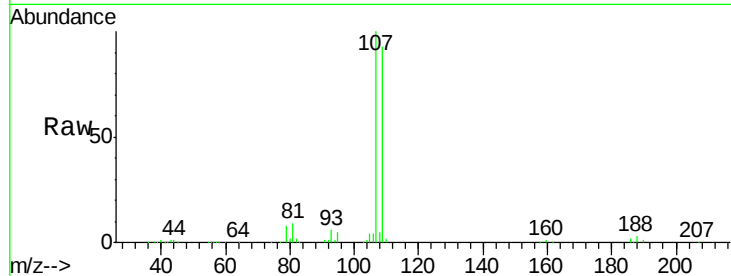
#61
 1,2-Dibromoethane
 Concen: 20.287 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.4	113.2

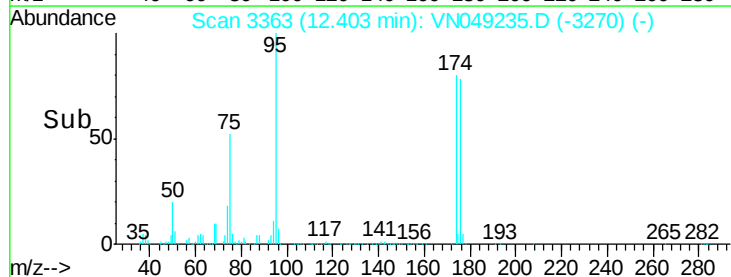
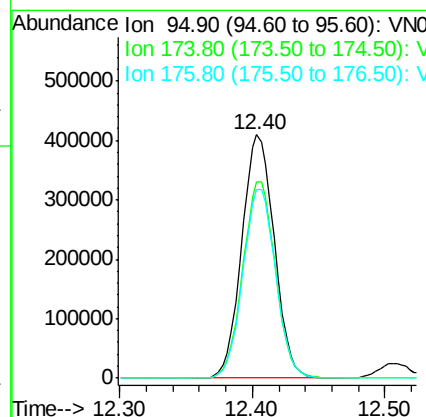
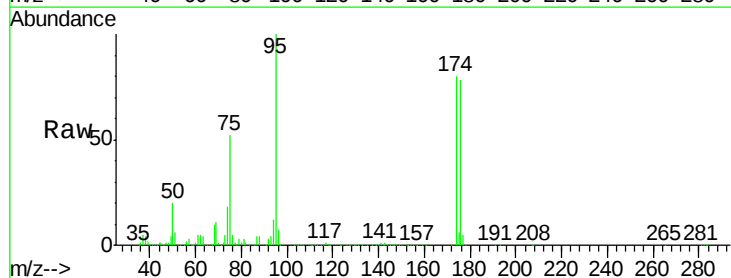
Manual Integrations
 APPROVED

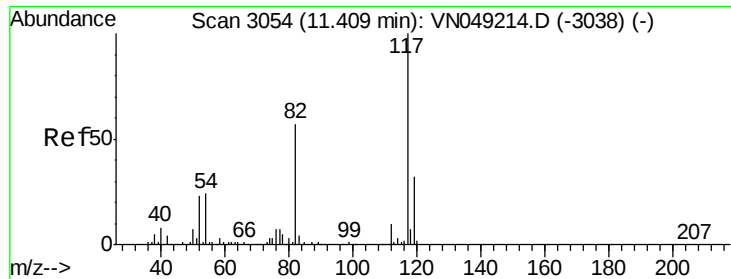
MMDadoda
 6/15/2018 1:15:28 PM



#62
 4-Bromofluorobenzene
 Concen: 46.473 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.0	0.0	165.6
176	78.3	0.0	157.4





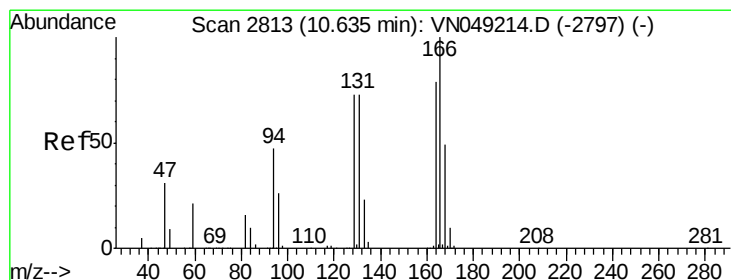
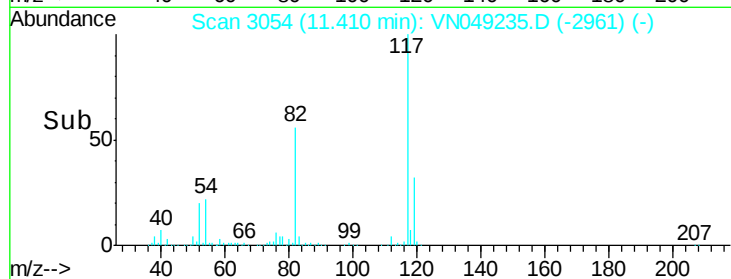
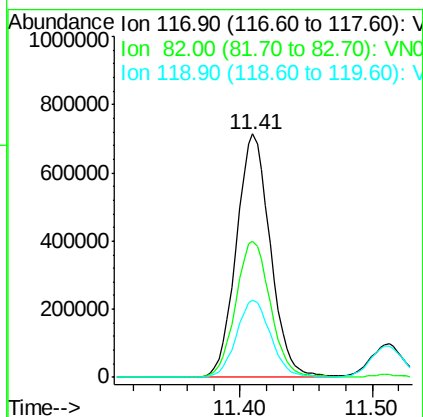
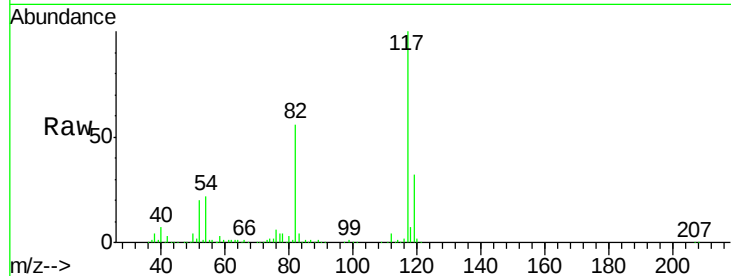
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.9	68.9
119	31.9	25.5	38.3

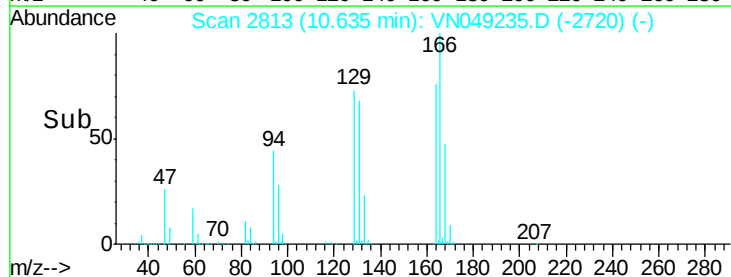
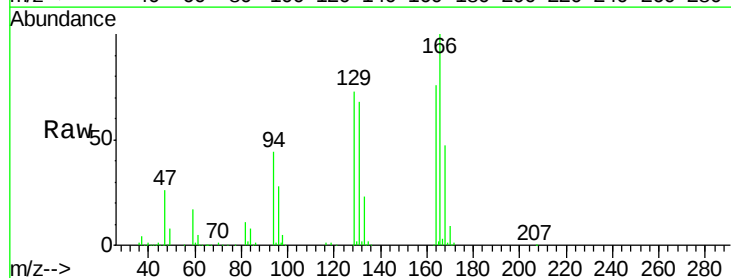
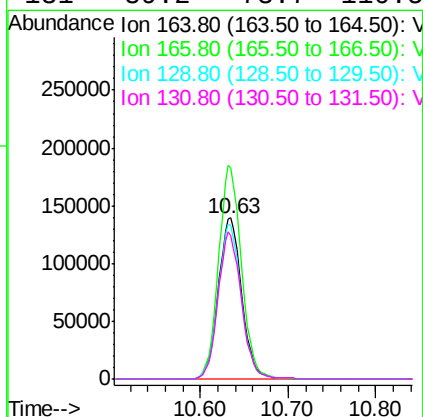
Manual Integrations
APPROVED

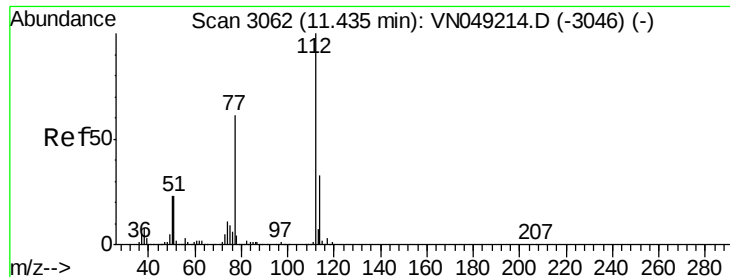
MMDadoda
6/15/2018 1:15:28 PM



#64
Tetrachloroethene
Concen: 20.234 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.4	101.4	152.2
129	95.3	74.1	111.1
131	89.2	73.7	110.5





#65

Chlorobenzene

Concen: 19.760 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion:112 Resp: 648628

Ion Ratio Lower Upper

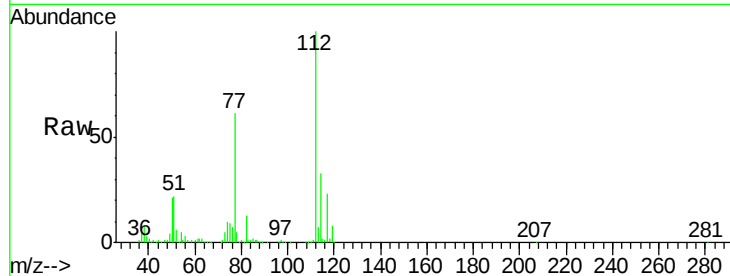
112 100

114 32.6 26.2 39.4

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

Ion 113.90 (113.60 to 114.60): V

11.44

400000

300000

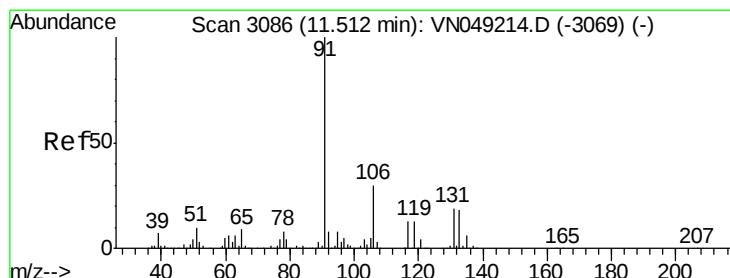
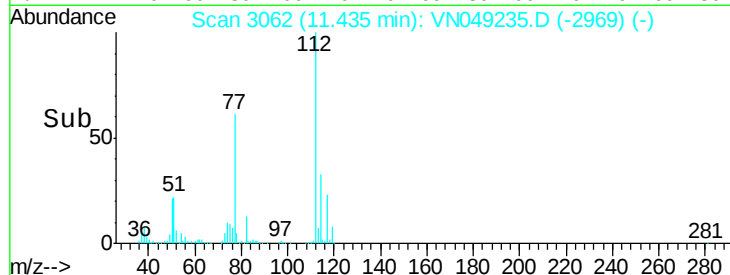
200000

100000

0

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.802 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

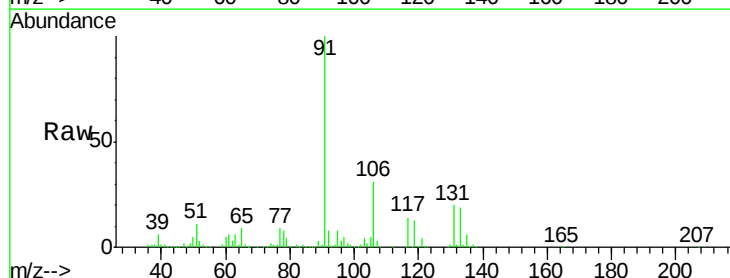
Tgt Ion:131 Resp: 247249

Ion Ratio Lower Upper

131 100

133 94.4 48.0 144.2

119 65.2 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

300000

250000

200000

150000

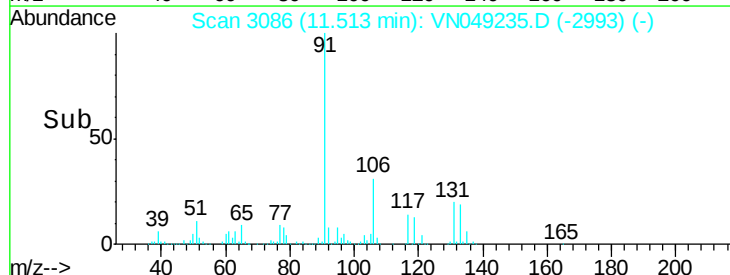
100000

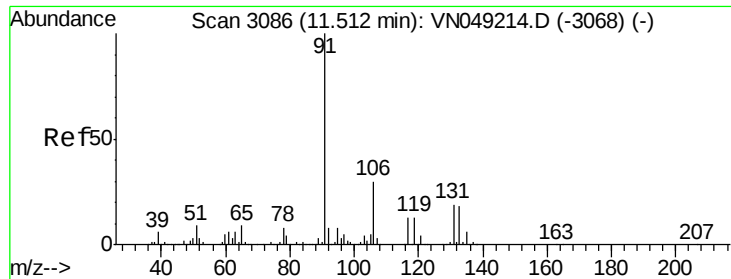
50000

0

11.50 11.60

Time-->





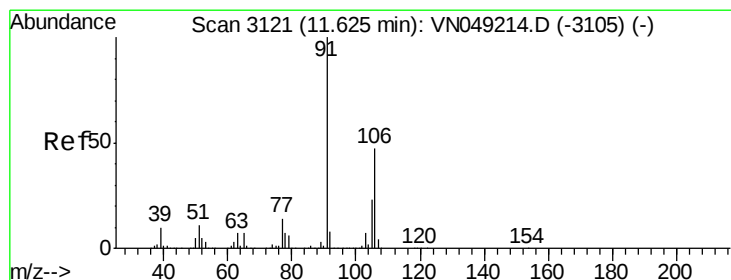
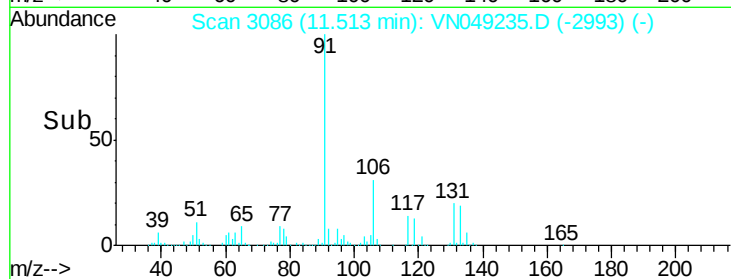
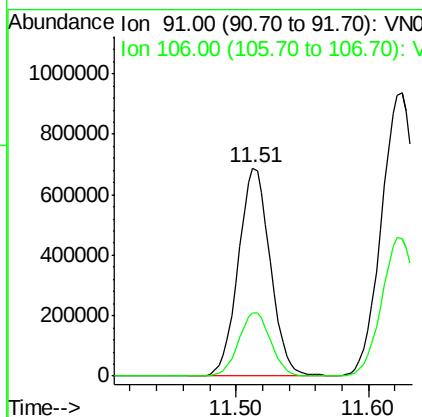
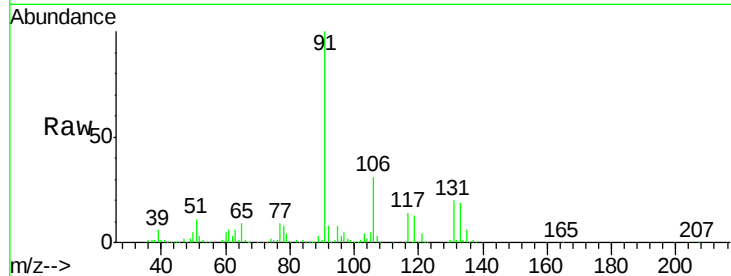
#67
Ethyl Benzene
Concen: 20.357 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion: 91 Resp: 1152809
Ion Ratio Lower Upper
91 100
106 30.6 23.9 35.9

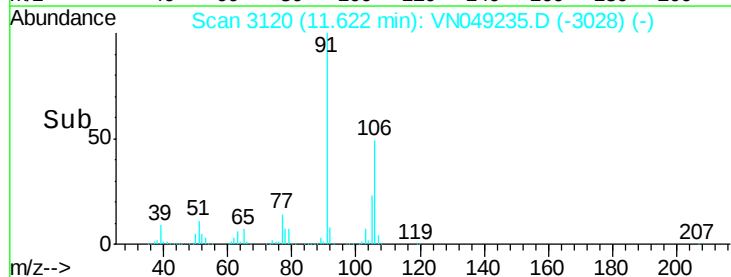
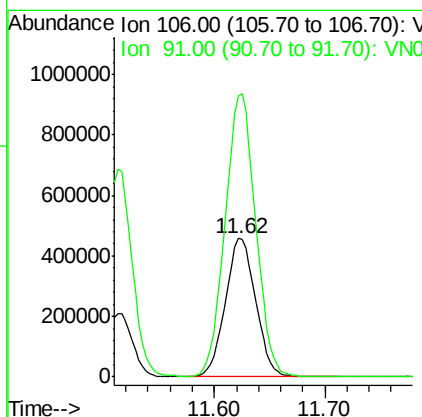
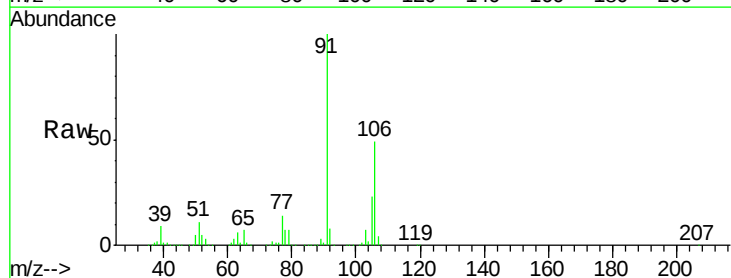
Manual Integrations
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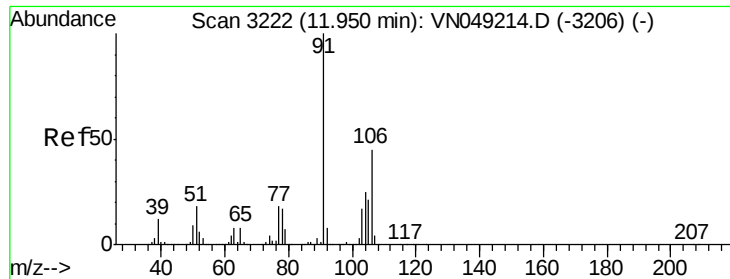
MMDadoda
6/15/2018 1:15:28 PM



#68
m/p-Xylenes
Concen: 42.370 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion: 106 Resp: 877401
Ion Ratio Lower Upper
106 100
91 204.9 167.3 250.9





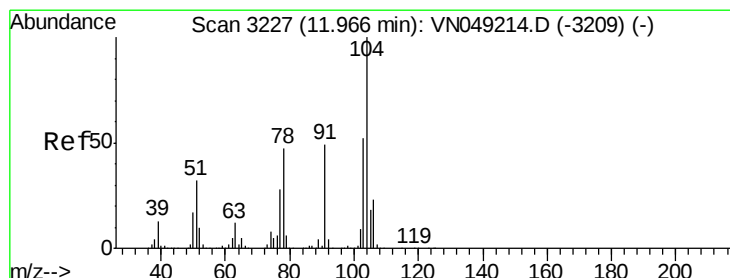
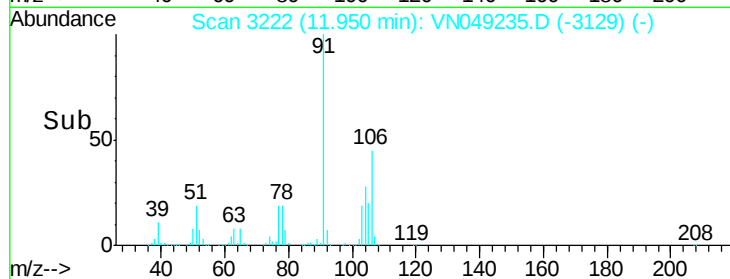
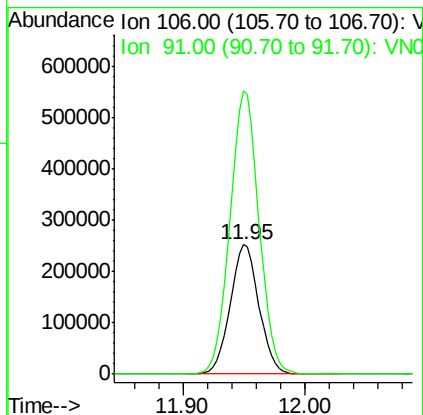
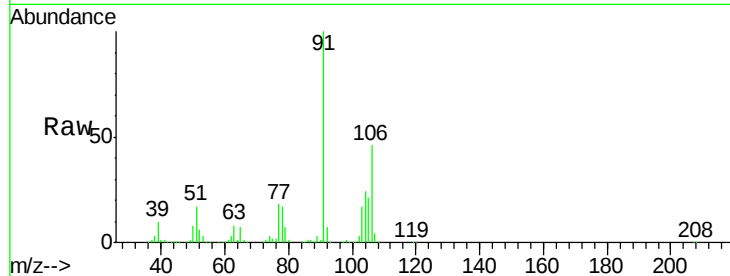
#69
o-Xylene
Concen: 20.728 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		413380		
91	221.3	111.0	333.0		

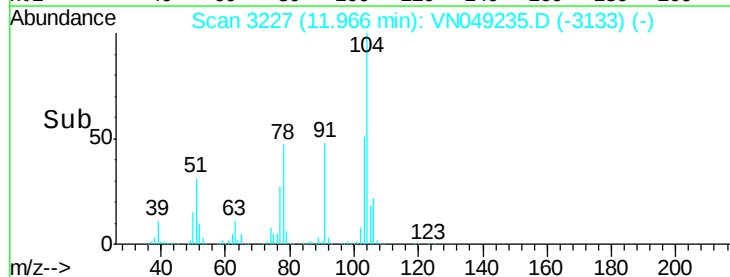
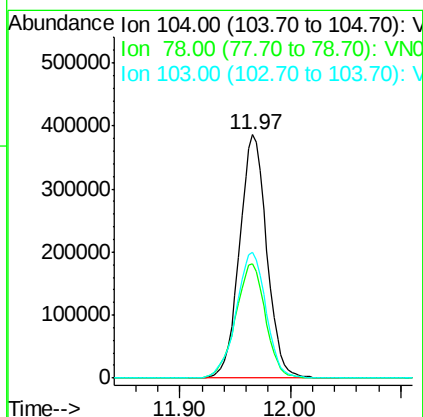
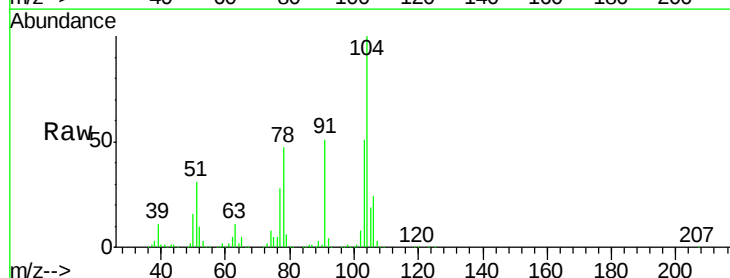
Manual Integrations
APPROVED

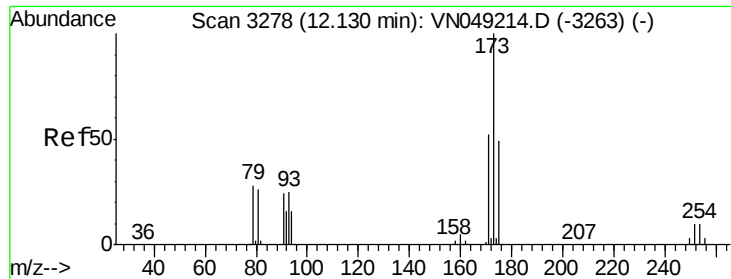
MMDadoda
6/15/2018 1:15:28 PM



#70
Styrene
Concen: 20.904 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		660017		
78	51.6	41.6	62.4		
103	56.6	45.4	68.2		





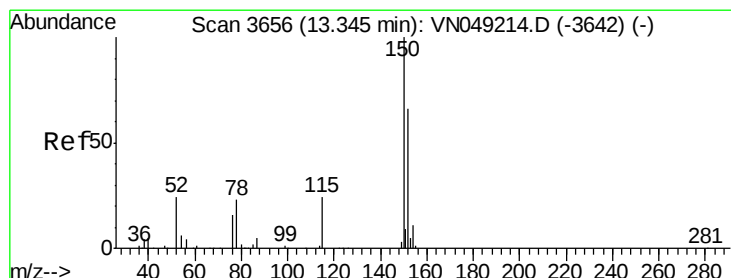
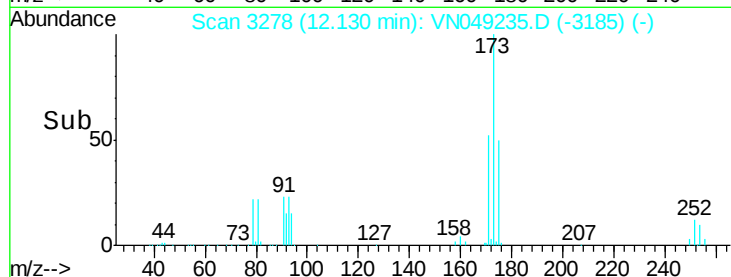
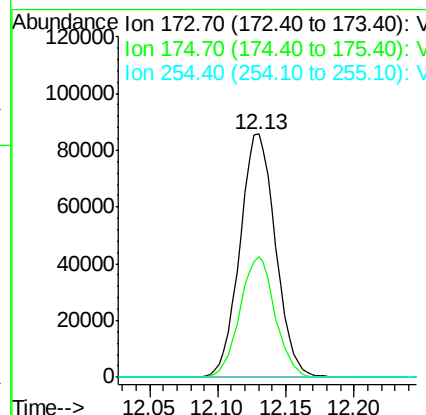
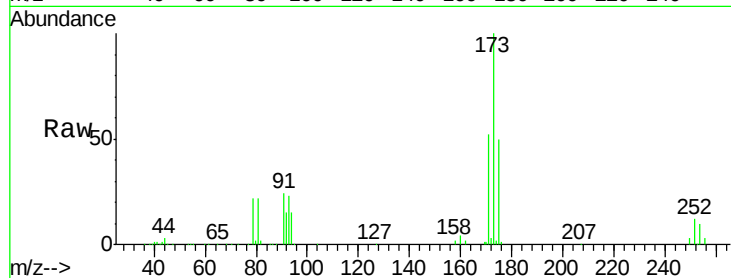
#71
Bromoform
Concen: 19.964 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.5	73.5
254	0.0	0.1	0.1#

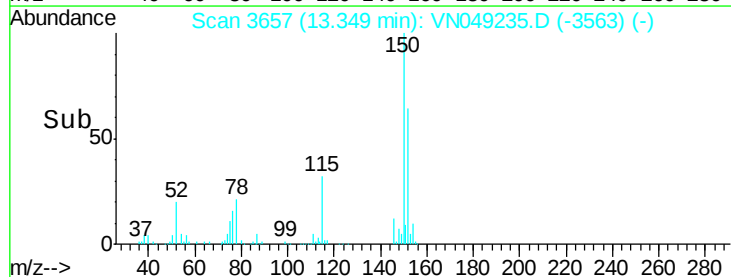
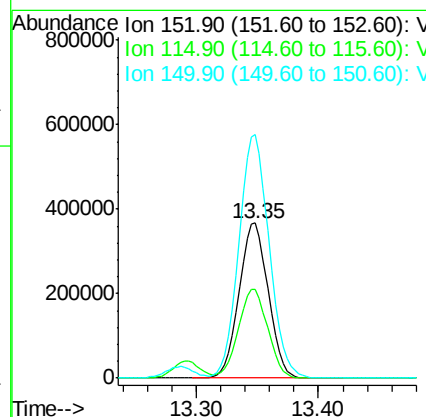
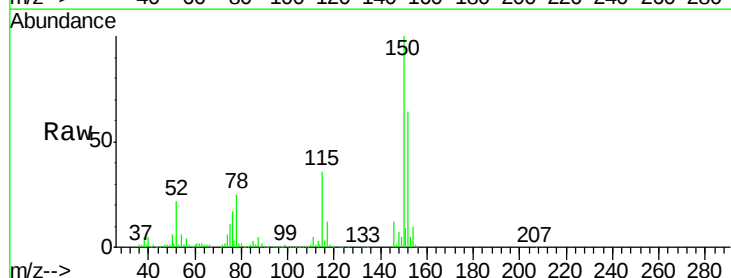
Manual Integrations
APPROVED

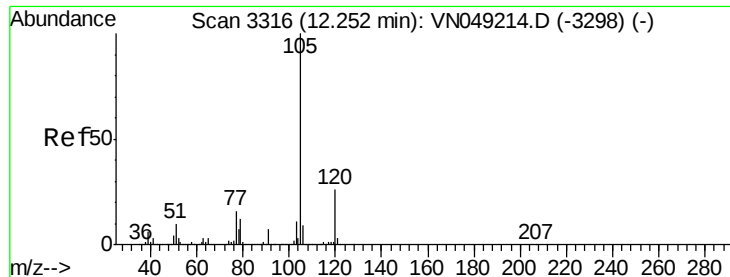
MMDadoda
6/15/2018 1:15:28 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.7	86.1
150	163.5	0.0	351.0





#73

Isopropylbenzene

Concen: 19.103 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion:105 Resp: 1111740

Ion Ratio Lower Upper

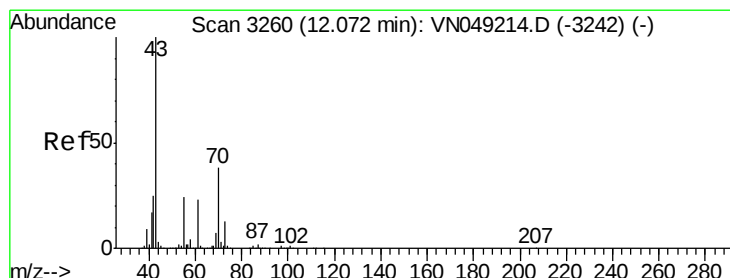
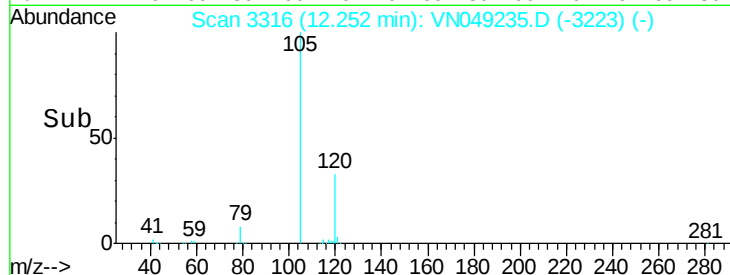
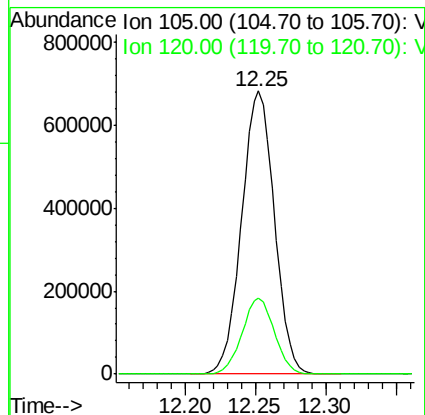
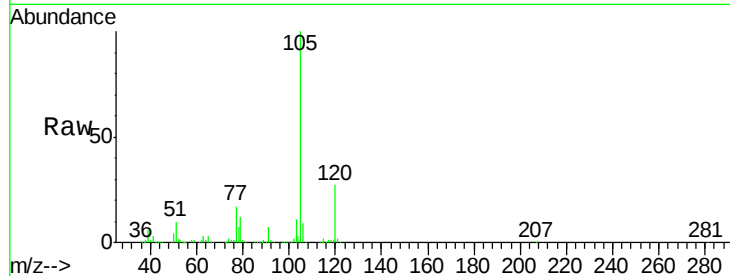
105 100

120 26.5 12.8 38.3

Manual Integrations
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6/15/2018 1:15:28 PM



#74

N-ethyl acetate

Concen: 19.228 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Tgt Ion: 43 Resp: 318769

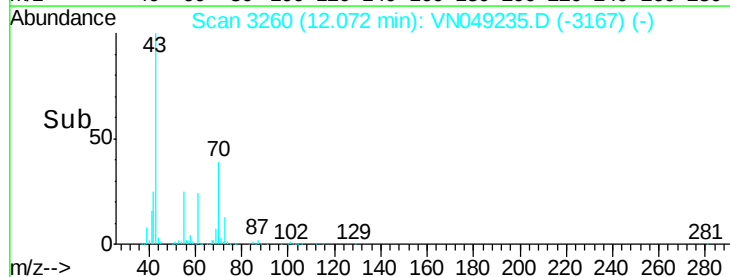
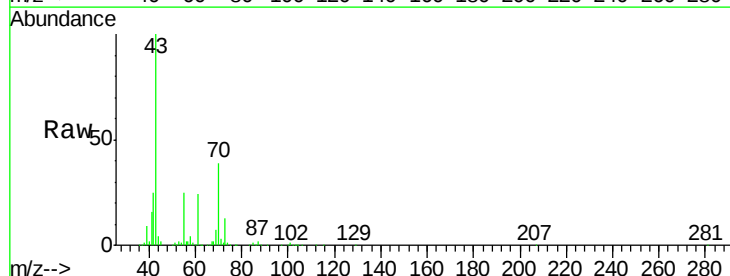
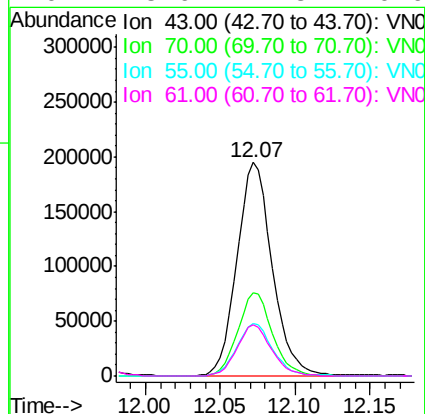
Ion Ratio Lower Upper

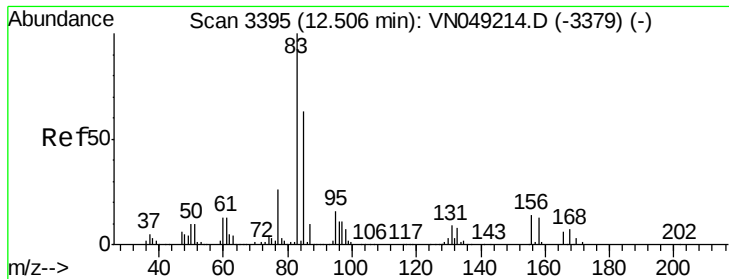
43 100

70 38.7 30.3 45.5

55 25.0 19.4 29.2

61 23.6 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.205 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

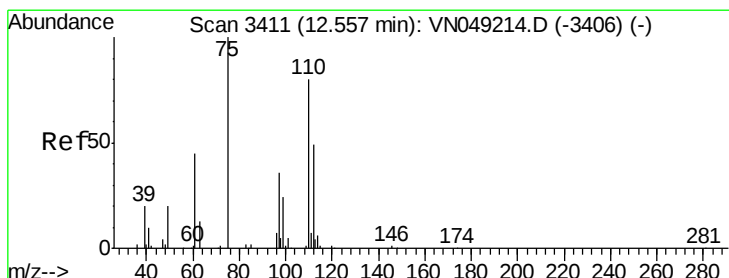
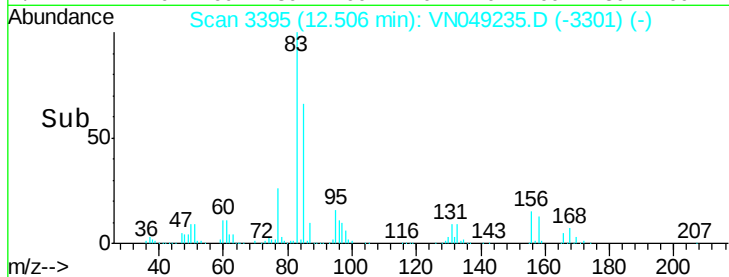
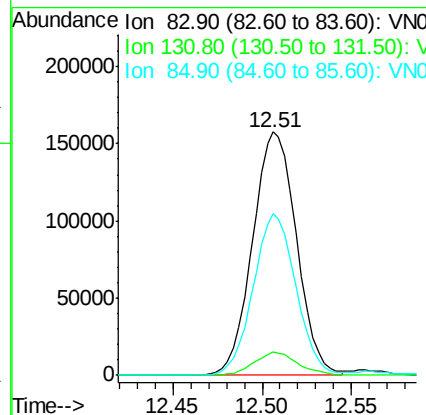
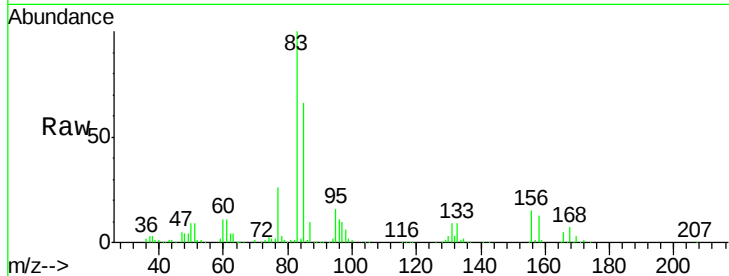
ClientSampleId :

VN0614WBSD01

Tot Ion:	83	Resp:	271491
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.0	15.0
85	64.6	32.0	96.0

Manual Integrations
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6/15/2018 1:15:28 PM



#76

1,2,3-Trichloropropane

Concen: 23.713 ug/l m

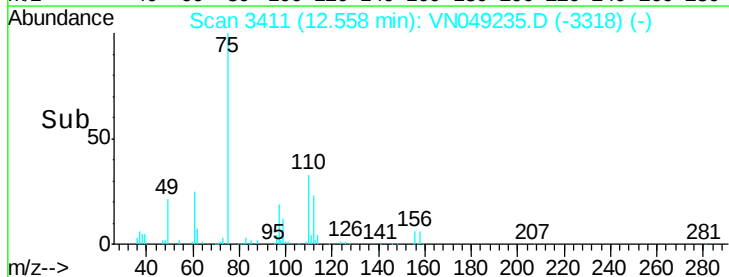
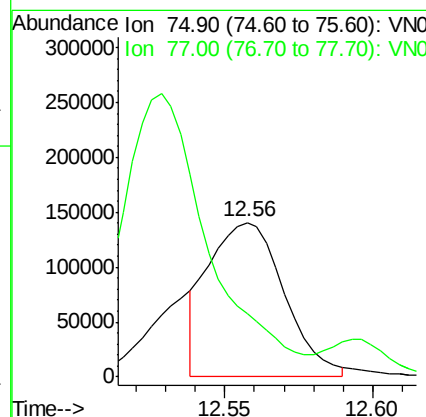
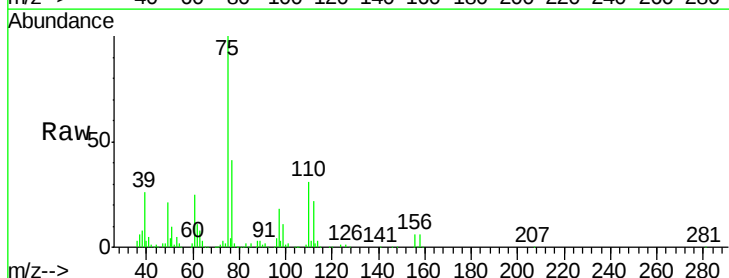
RT: 12.56 min Scan# 3411

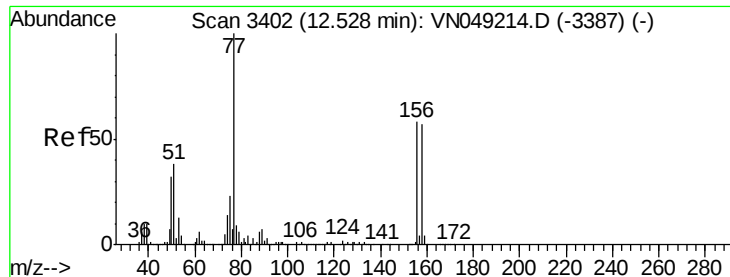
Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Tgt Ion:	75	Resp:	250023
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.557 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

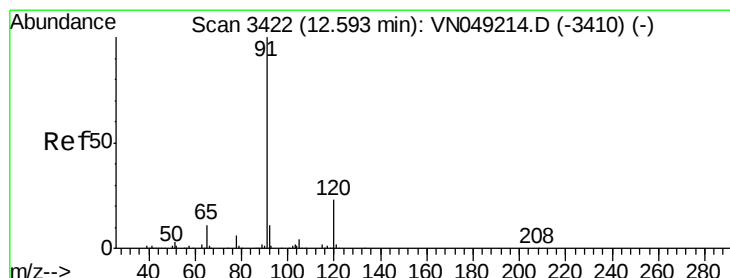
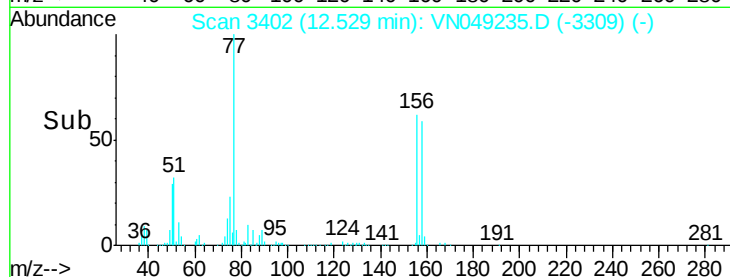
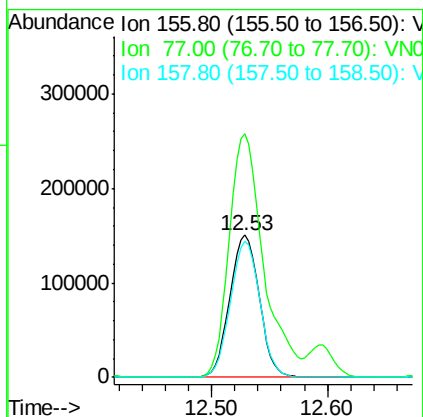
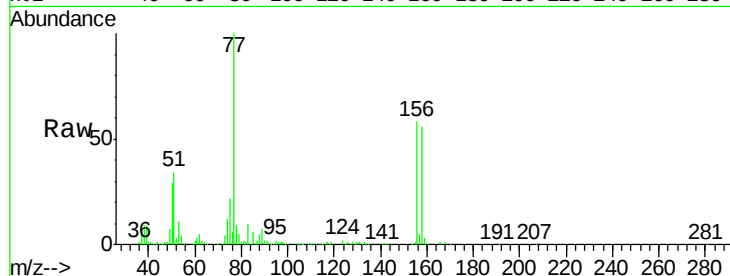
ClientSampleId :

VN0614WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		264618		
77	199.4	100.8	302.4		
158	95.1	49.3	147.9		

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#78

n-propylbenzene

Concen: 19.683 ug/l

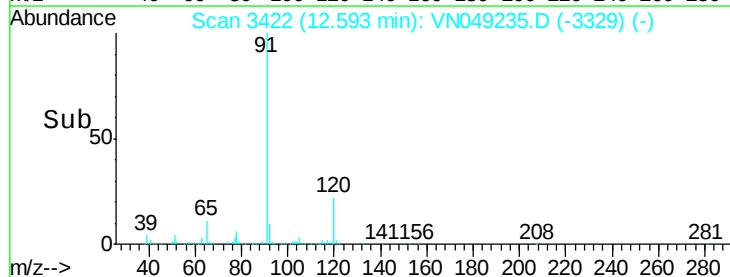
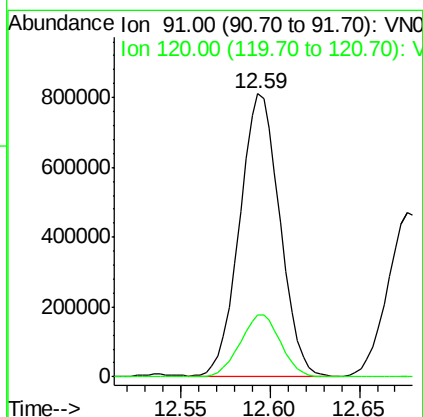
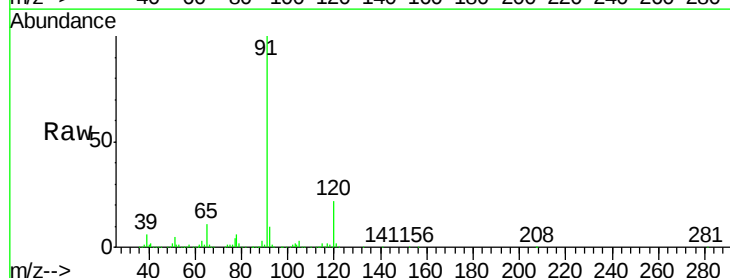
RT: 12.59 min Scan# 3422

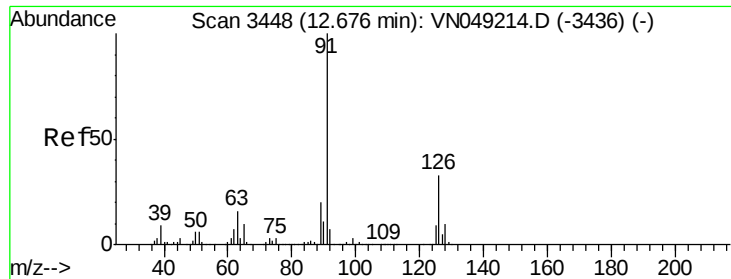
Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1272523		
120	22.2	11.2	33.5		





#79

2-Chlorotoluene

Concen: 18.999 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion: 91 Resp: 774647

Ion Ratio Lower Upper

91 100

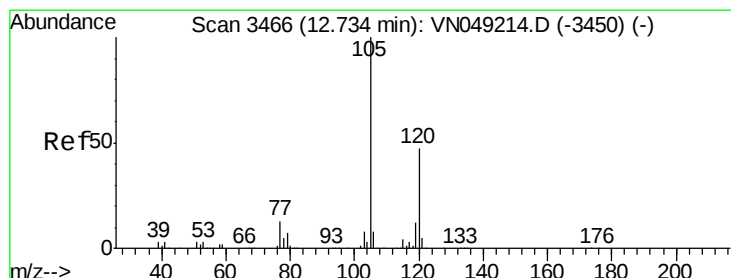
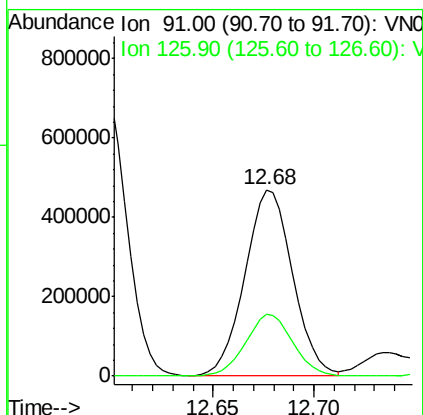
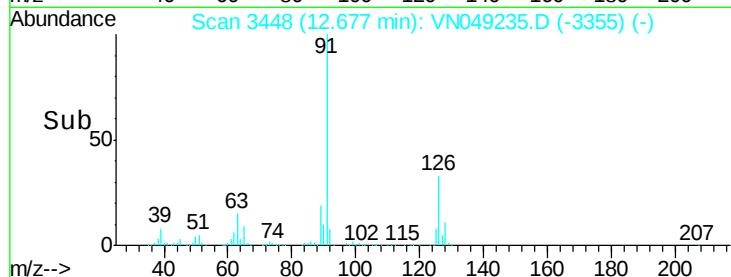
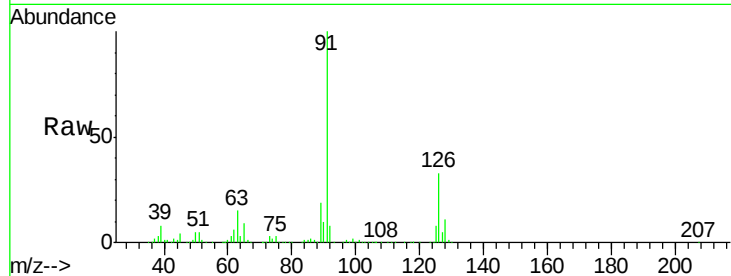
126 32.9 16.6 49.8

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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: VN049235.D

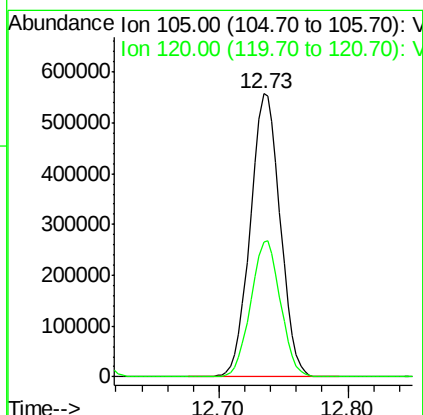
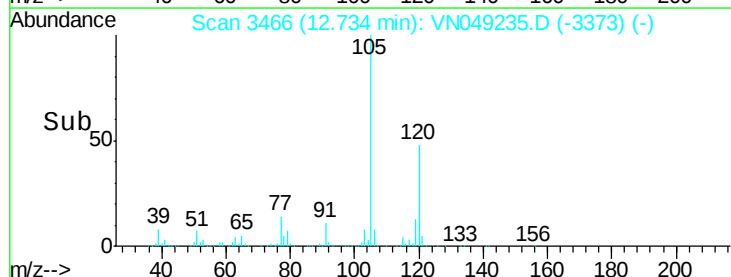
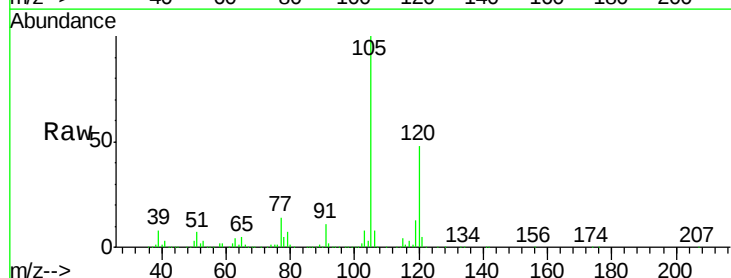
Acq: 14 Jun 2018 18:25

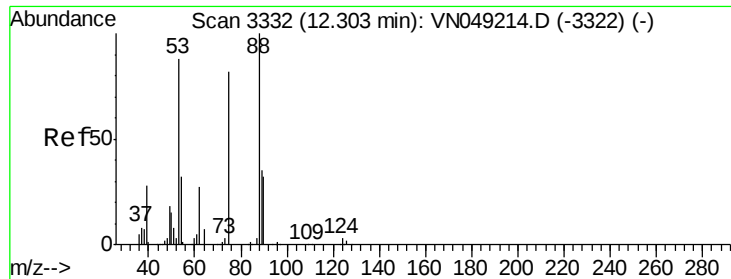
Tgt Ion: 105 Resp: 901537

Ion Ratio Lower Upper

105 100

120 47.8 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 19.117 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

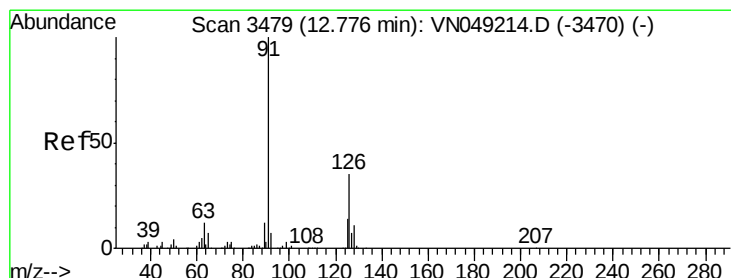
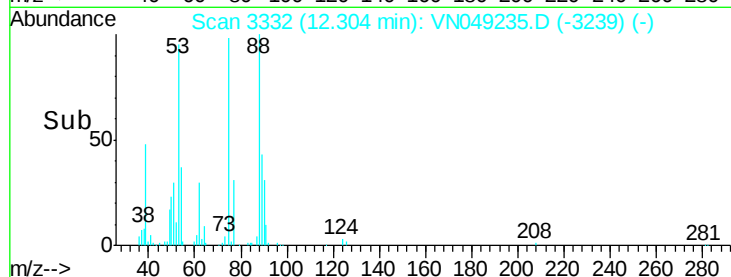
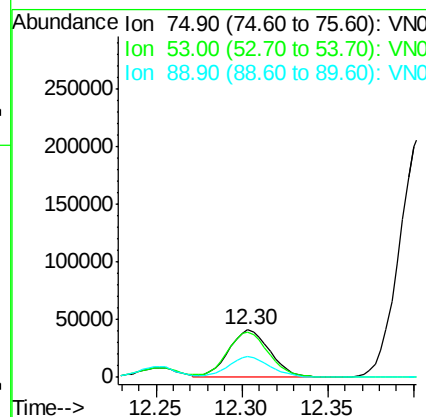
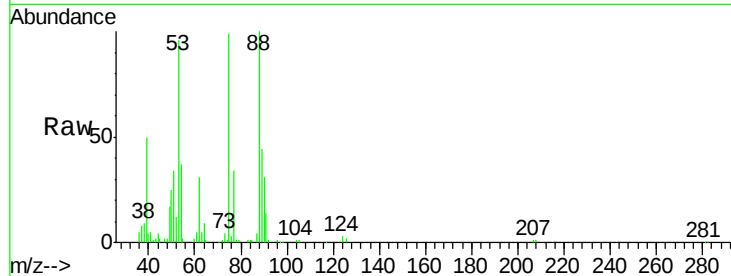
ClientSampleId :

VN0614WBSD01

Tot Ion:	75	Resp:	69329
Ion	Ratio	Lower	Upper
75	100		
53	95.1	82.7	124.1
89	44.0	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.466 ug/l

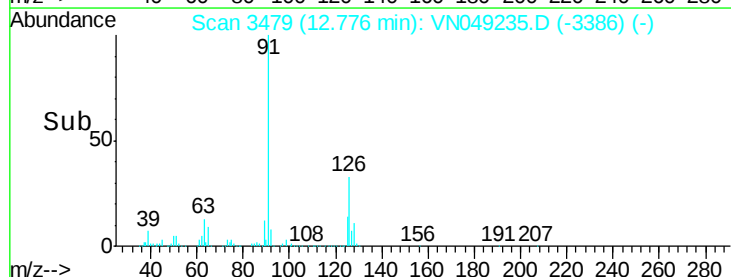
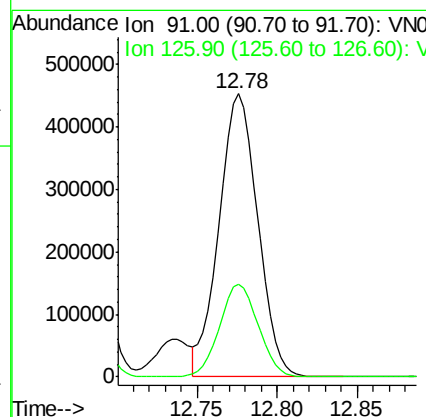
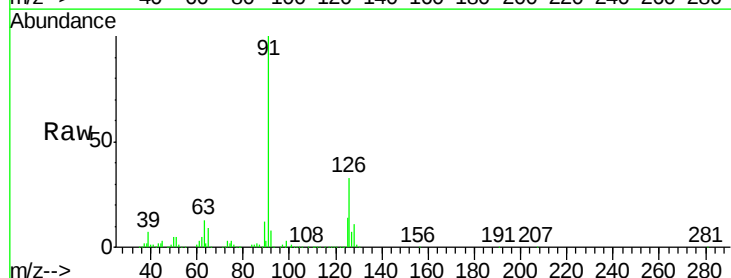
RT: 12.78 min Scan# 3479

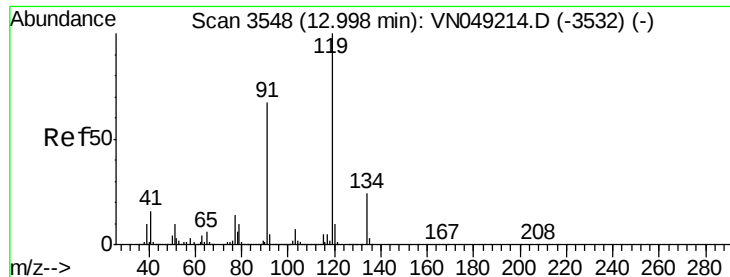
Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Tgt Ion:	91	Resp:	752843
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.1





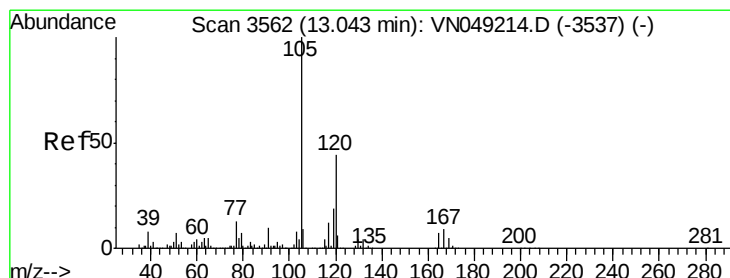
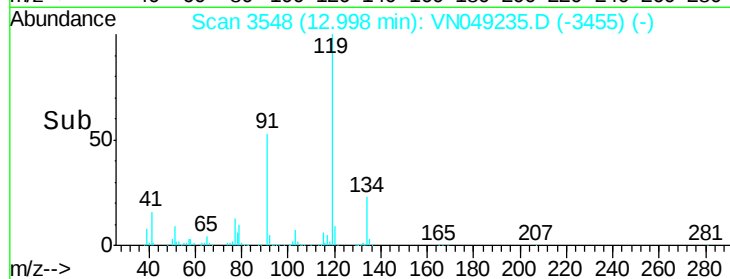
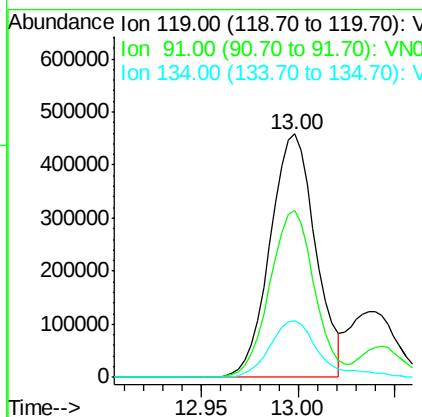
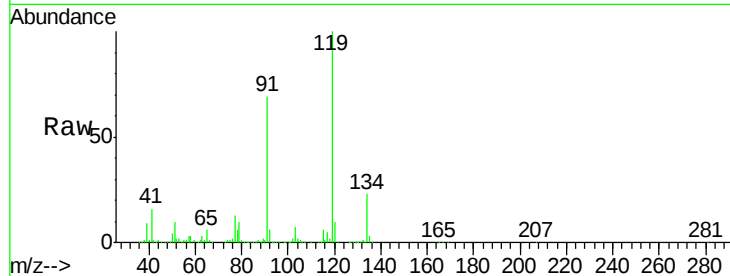
#83
tert-Butylbenzene
Concen: 19.456 ug/l
RT: 13.00 min Scan# 3548
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.7	101.0
134	25.7	12.9	38.6

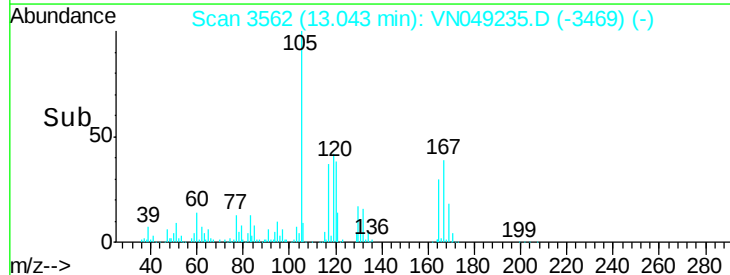
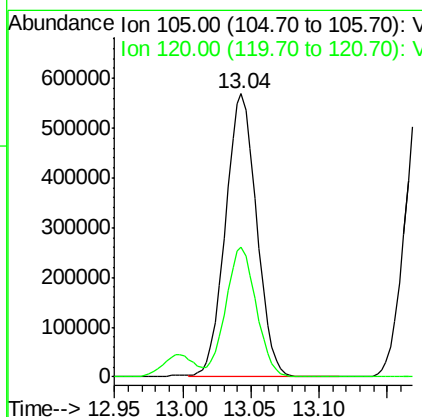
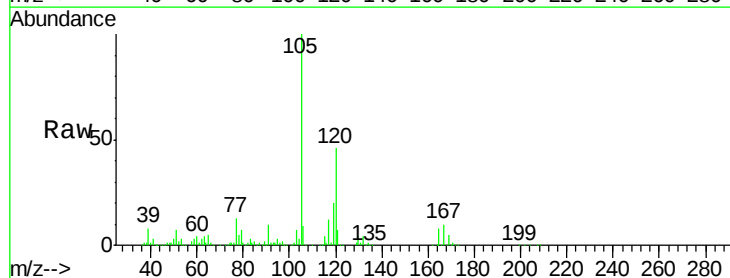
Manual Integrations
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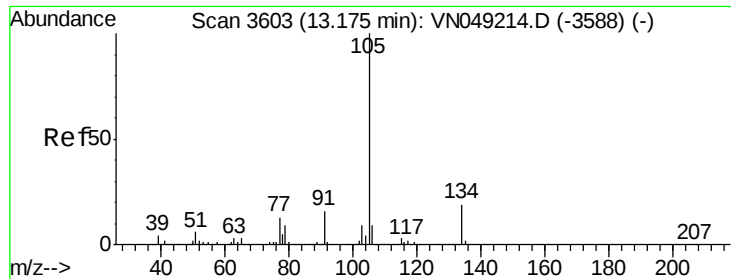
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.312 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.2	66.6





#85

sec-Butylbenzene

Concen: 19.738 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

ClientSampled :

VN0614WBSD01

Tot Ion:105 Resp: 1011477

Ion Ratio Lower Upper

105 100

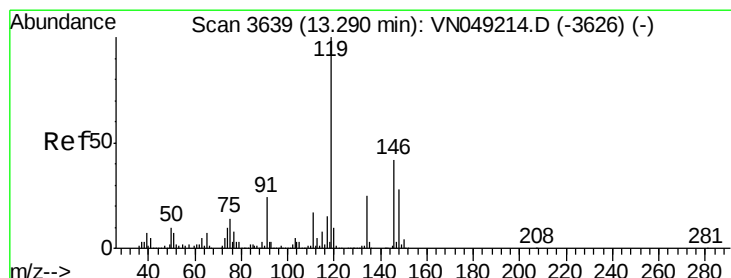
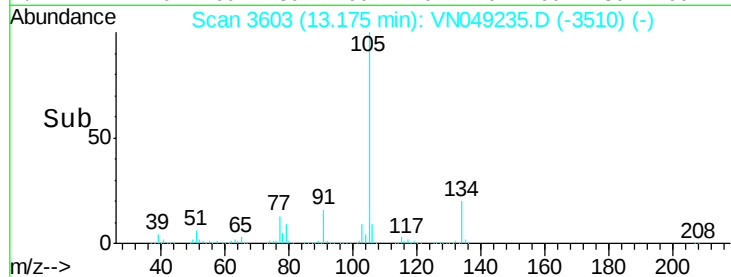
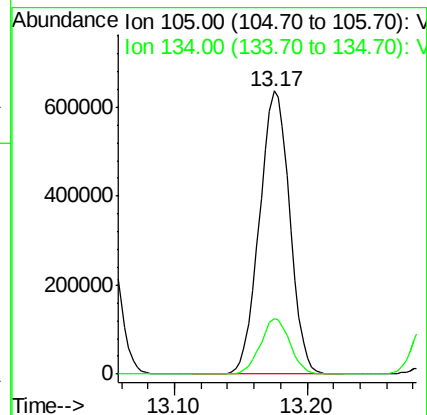
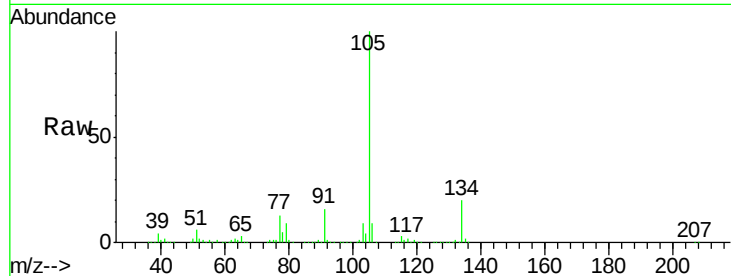
134 19.2 9.8 29.3

Manual Integrations

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6/15/2018 1:15:28 PM



#86

p-Isopropyltoluene

Concen: 20.264 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

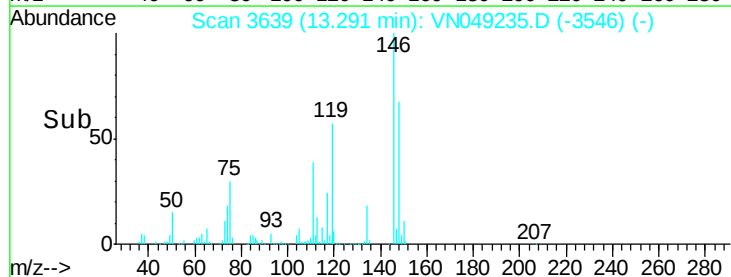
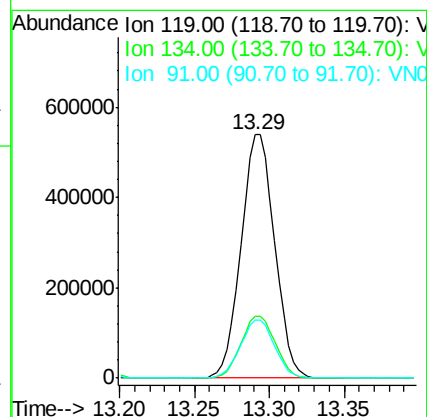
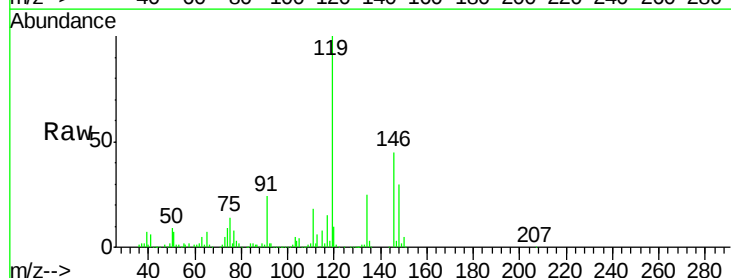
Tgt Ion:119 Resp: 841051

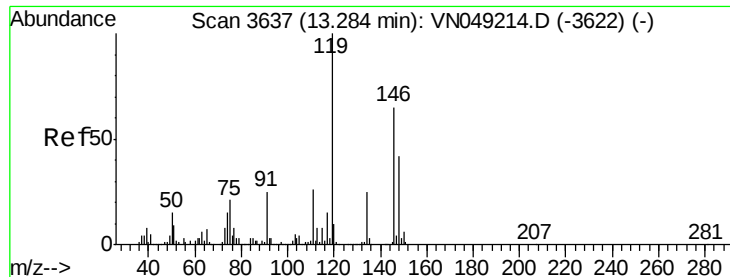
Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.6

91 23.9 12.1 36.3





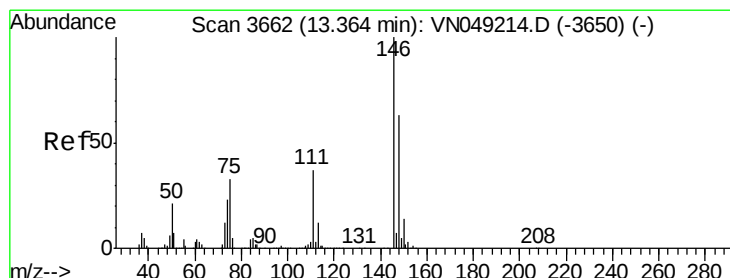
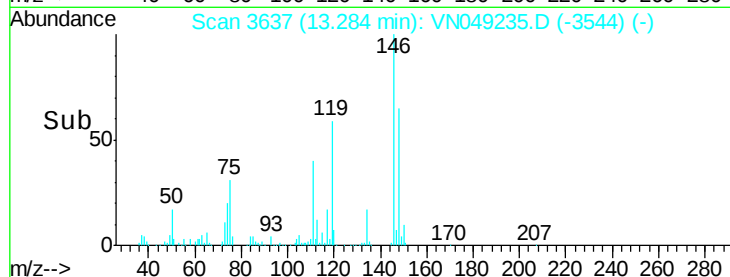
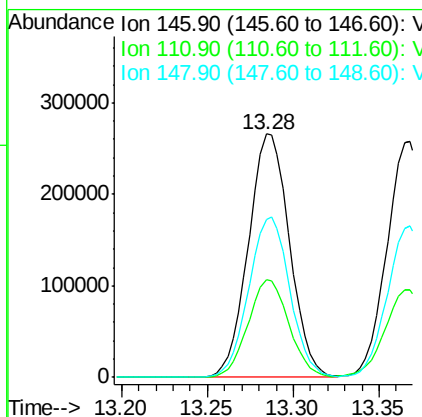
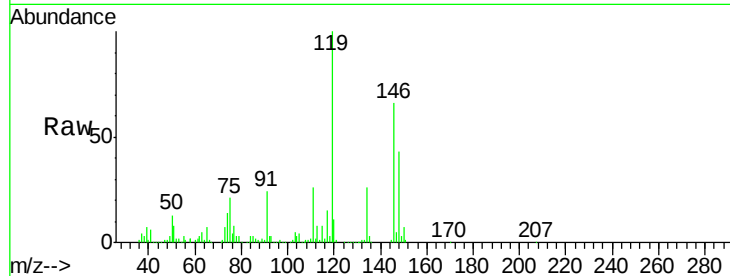
#87
 1,3-Dichlorobenzene
 Concen: 19.418 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.6
148	65.8	32.1	96.5

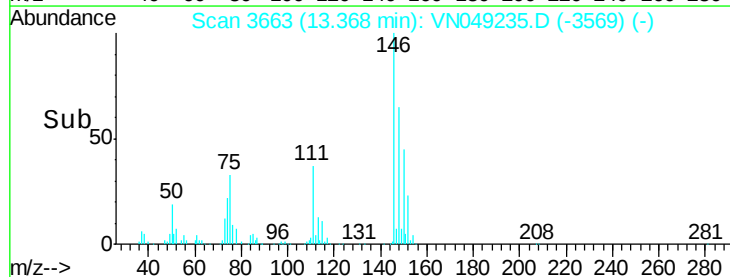
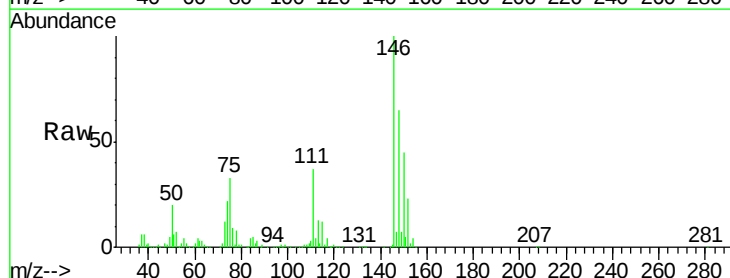
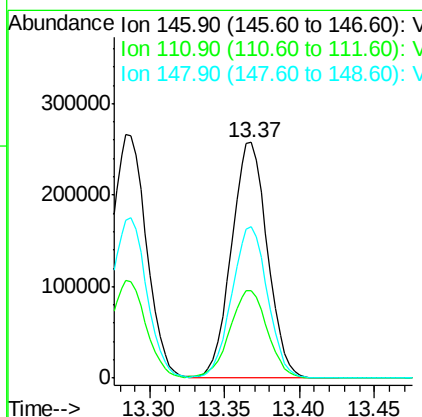
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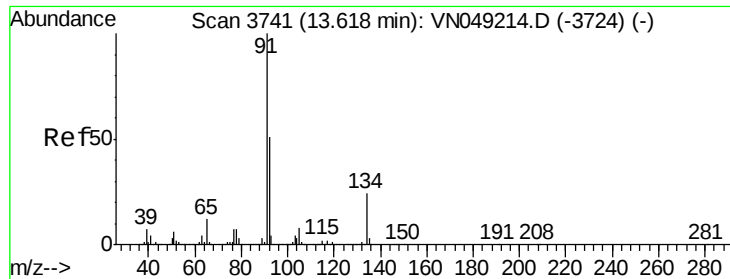
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#88
 1,4-Dichlorobenzene
 Concen: 19.236 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.1
148	64.0	32.0	96.2





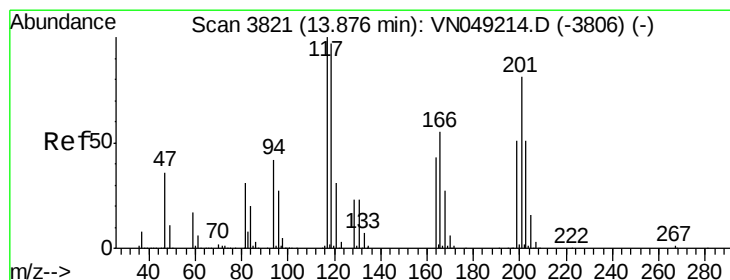
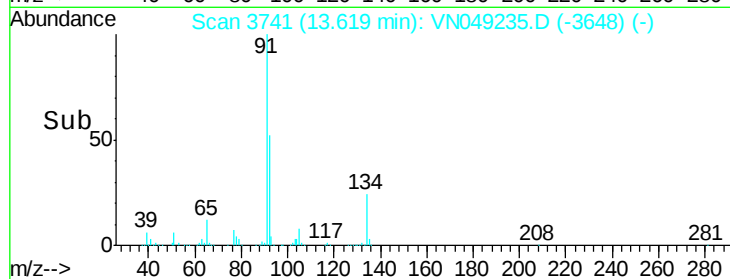
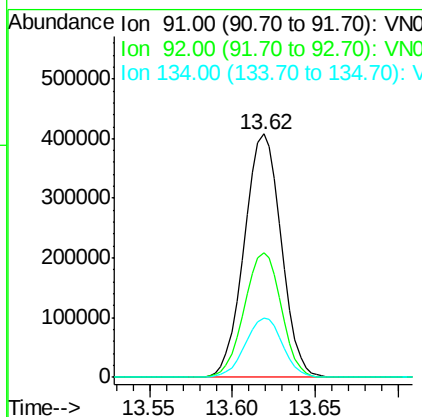
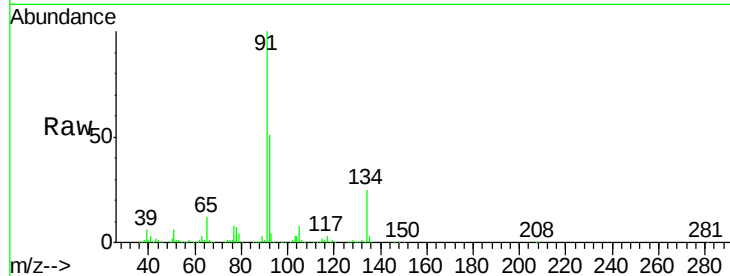
#89
n-Butylbenzene
Concen: 18.457 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.1	75.4
134	24.6	12.0	36.0

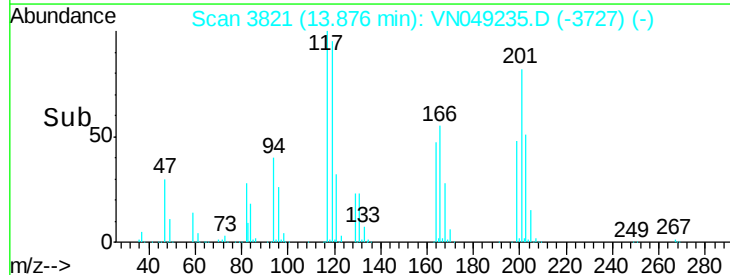
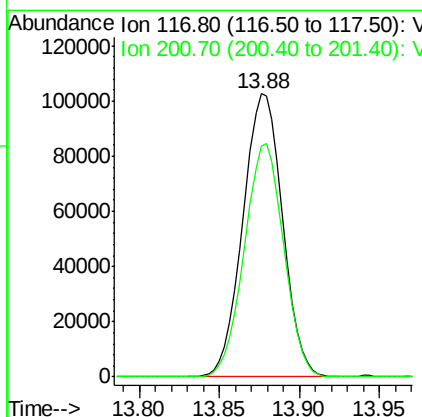
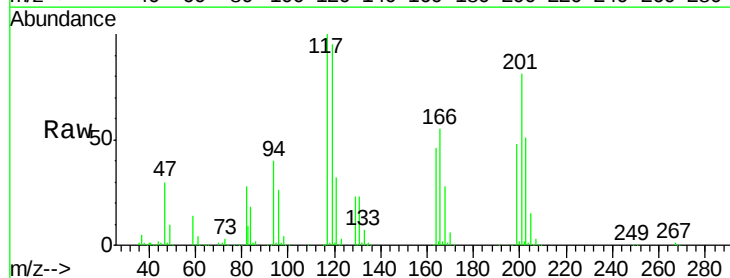
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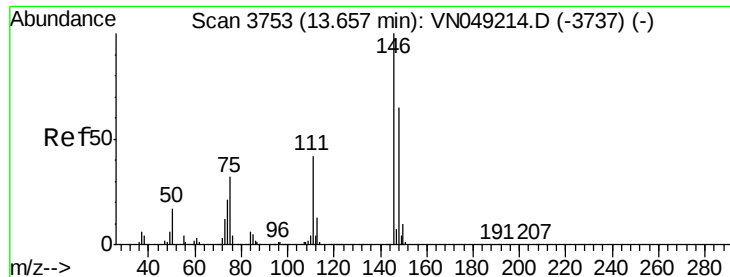
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#90
Hexachloroethane
Concen: 19.644 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049235.D
Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.8	40.1	120.2





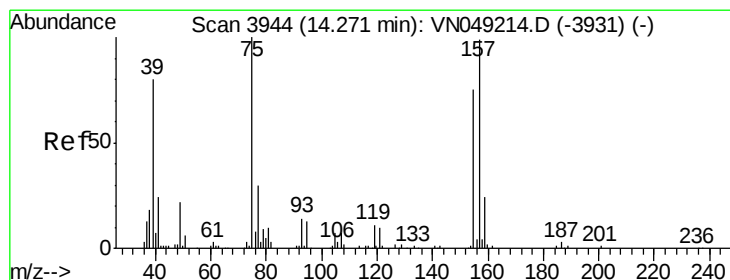
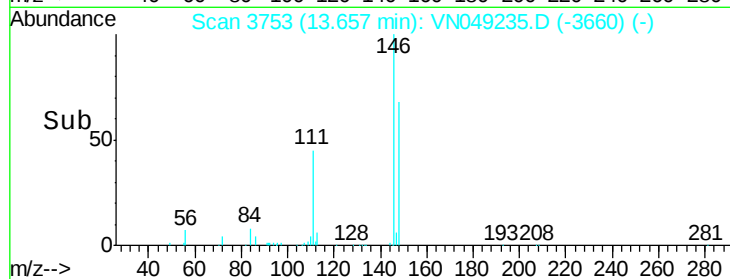
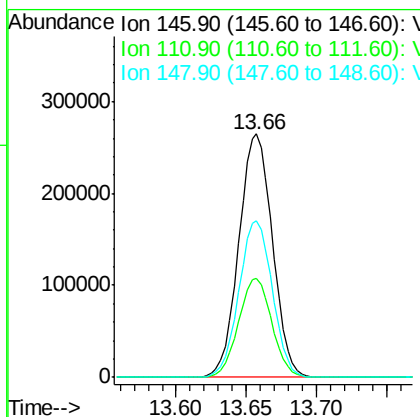
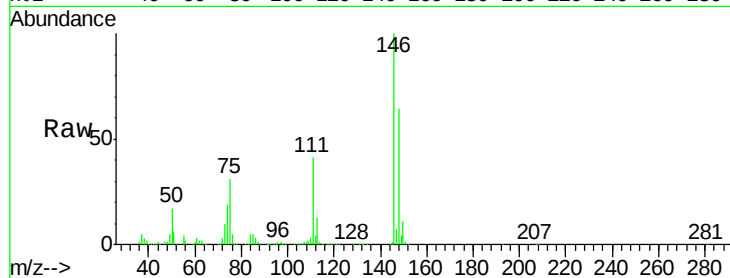
#91
 1,2-Dichlorobenzene
 Concen: 19.736 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.8	62.2
148	64.0	32.0	96.2

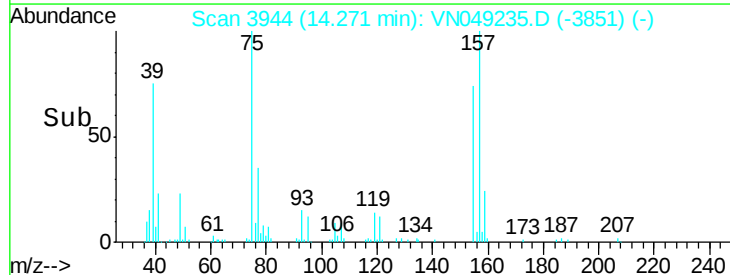
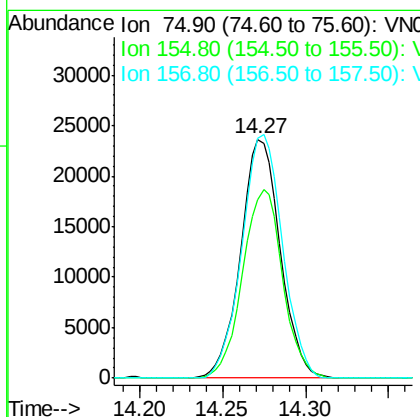
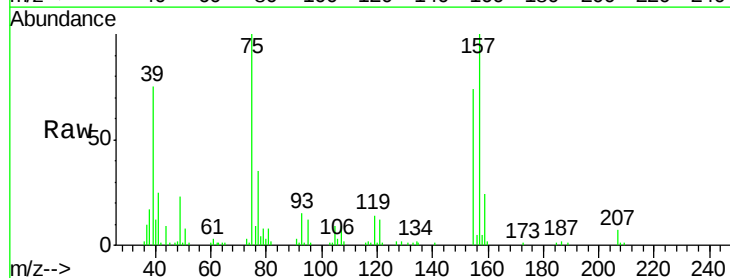
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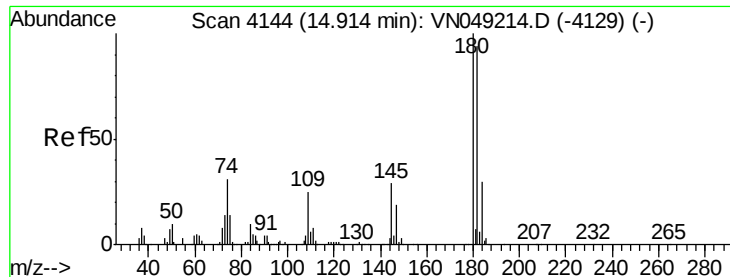
MMDadoda
 6/15/2018 1:15:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.393 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.6	38.8	116.3
157	104.4	51.0	153.1





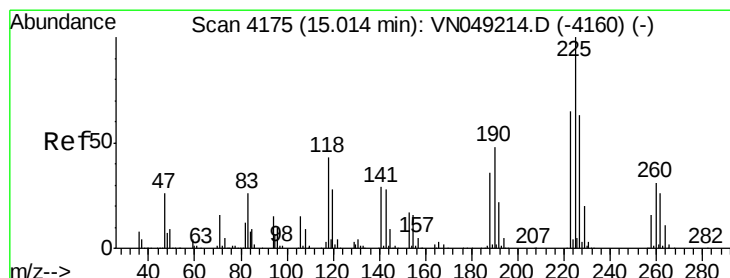
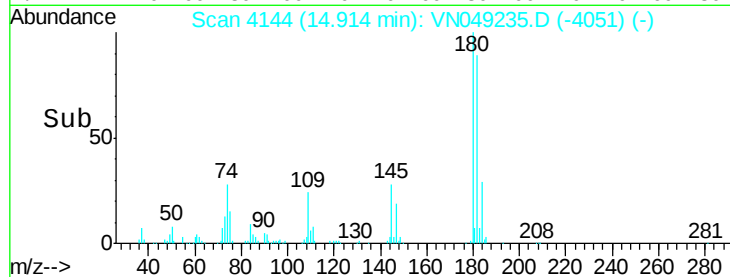
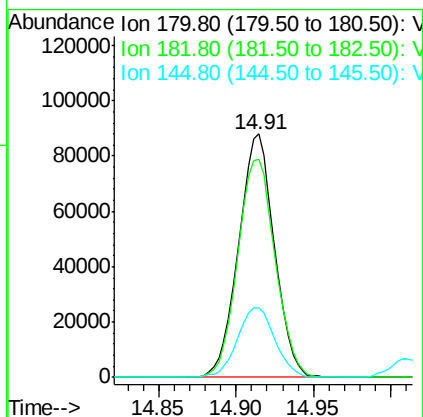
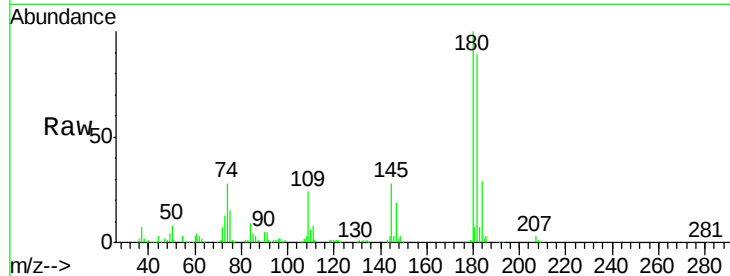
#93
 1,2,4-Trichlorobenzene
 Concen: 17.809 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	141556		
182	93.6	46.9	140.8	
145	30.0	14.7	44.1	

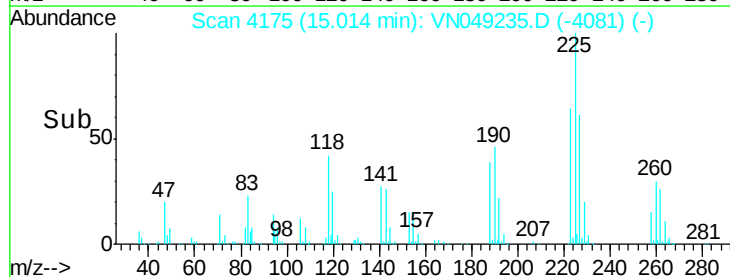
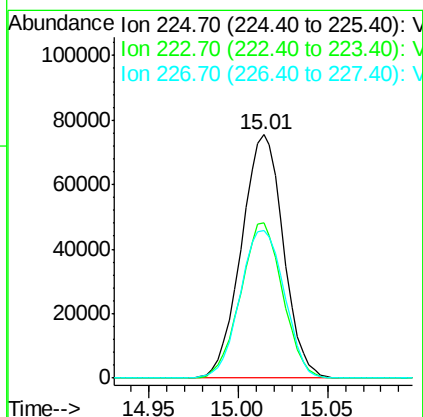
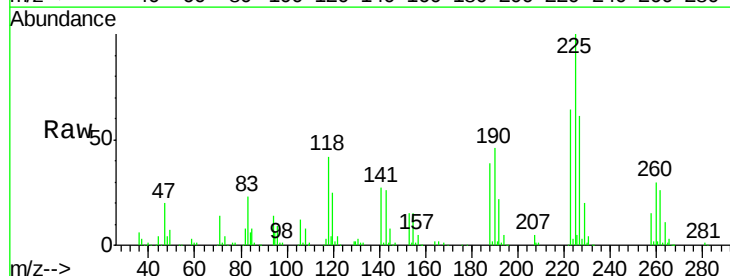
Manual Integrations
 APPROVED

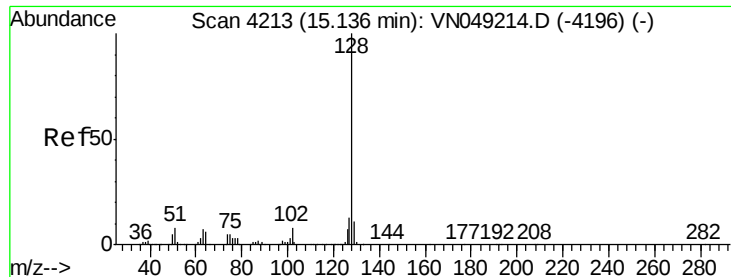
MMDadoda
 6/15/2018 1:15:28 PM



#94
 Hexachlorobutadiene
 Concen: 18.276 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049235.D
 Acq: 14 Jun 2018 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	123781		
223	63.8	32.1	96.3	
227	64.1	31.8	95.3	





#95

Naphthalene

Concen: 18.728 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Instrument :

MSVOA_N

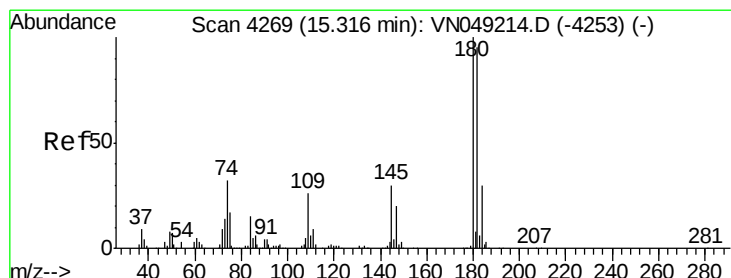
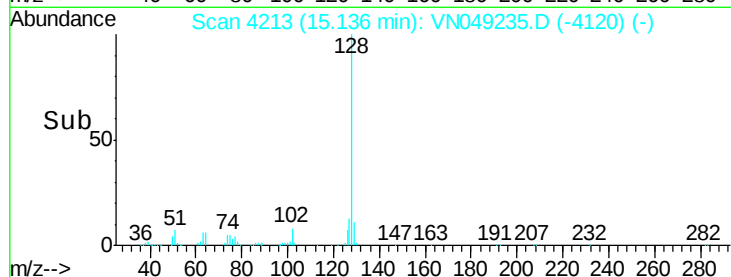
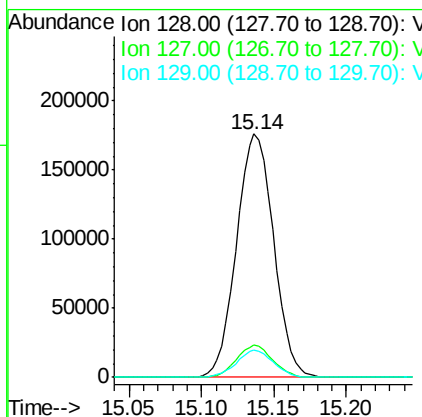
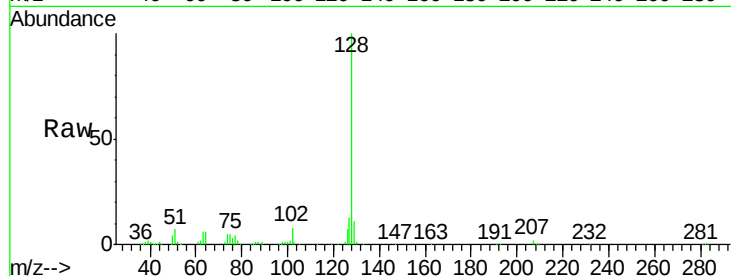
ClientSampleId :

VN0614WBSD01

Tot Ion:	128	Resp:	314163
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/15/2018 1:15:28 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.640 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049235.D

Acq: 14 Jun 2018 18:25

Tgt Ion:	180	Resp:	156027
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.3	141.8
145	31.7	15.6	46.7

