

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049265.D
 Acq On : 15 Jun 2018 16:10
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:13 PM

Quant Time: Jun 16 00:57:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 15 15:46:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1611148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2378204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2224691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1191845	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	3059838	117.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	235.24%	
35) Dibromofluoromethane	7.59	113	2771480	140.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	281.60%	
50) Toluene-d8	10.09	98	10921633	142.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.26%	
62) 4-Bromofluorobenzene	12.40	95	3840354	151.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	2462438	106.11	ug/l	100
3) Chloromethane	2.05	50	3081928	129.97	ug/l	98
4) Vinyl Chloride	2.18	62	3380788	139.04	ug/l	99
5) Bromomethane	2.54	94	1907511	130.11	ug/l	98
6) Chloroethane	2.69	64	2052314	124.99	ug/l	99
7) Trichlorofluoromethane	3.01	101	4217325	123.19	ug/l	100
8) Diethyl Ether	3.41	74	1596183	125.55	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	2711120	122.33	ug/l	93
10) Methyl Iodide	3.95	142	3499115	162.38	ug/l	91
11) Tert butyl alcohol	4.80	59	937561	661.16	ug/l	97
12) 1,1-Dichloroethene	3.73	96	2560409	127.24	ug/l	91
13) Acrolein	3.60	56	1073761	556.14	ug/l	99
14) Allyl chloride	4.32	41	4389055	116.14	ug/l	87
15) Acrylonitrile	4.99	53	4690765	614.58	ug/l	98
16) Acetone	3.82	43	3420917	550.32	ug/l	91
17) Carbon Disulfide	4.04	76	7848251	114.32	ug/l	100
18) Methyl Acetate	4.32	43	2155188	82.44	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	7232232	131.90	ug/l	99
20) Methylene Chloride	4.55	84	2888088	114.40	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	2754533	123.47	ug/l	92
22) Diisopropyl ether	5.95	45	8831172	117.08	ug/l	93
23) Vinyl Acetate	5.89	43	29920433m	600.08	ug/l	
24) 1,1-Dichloroethane	5.85	63	5185208	115.35	ug/l	99
25) 2-Butanone	6.84	43	5204428	584.70	ug/l	96
26) 2,2-Dichloropropane	6.82	77	4214355	125.03	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	3163312	130.21	ug/l	92
28) Bromochloromethane	7.19	49	2419934	113.43	ug/l	85
29) Tetrahydrofuran	7.21	42	3400402	593.82	ug/l	94
30) Chloroform	7.37	83	5119438	118.53	ug/l	100
31) Cyclohexane	7.65	56	4746267	105.69	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	4471465	120.20	ug/l	96
36) 1,1-Dichloropropene	7.79	75	4074535	137.13	ug/l	98
37) Ethyl Acetate	6.93	43	2310093	123.16	ug/l #	96
38) Carbon Tetrachloride	7.77	117	4036908	134.86	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	4571870	148.95	ug/l	95
40) Benzene	8.04	78	12018499	133.50	ug/l	98
41) Methacrylonitrile	7.17	41	1385864	130.60	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	3655725	123.05	ug/l	96
43) Isopropyl Acetate	8.17	43	4284691	124.24	ug/l #	93
44) Trichloroethene	8.84	130	3197276	142.23	ug/l	94
45) 1,2-Dichloropropane	9.12	63	3144411	126.99	ug/l	100
46) Dibromomethane	9.21	93	1818644	132.95	ug/l	92
47) Bromodichloromethane	9.40	83	4047621	131.37	ug/l	97
48) Methyl methacrylate	9.20	41	2167514	128.62	ug/l	86
49) 1,4-Dioxane	9.20	88	580966	2919.38	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	11584960	630.75	ug/l	93
52) Toluene	10.16	92	7488995	142.98	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	4348076	148.43	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	4937653	145.46	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	2620275	136.32	ug/l	97
56) Ethyl methacrylate	10.43	69	3577382	154.38	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	4528361	137.38	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	5881900	783.44	ug/l	95
59) 2-Hexanone	10.75	43	7663876	669.65	ug/l	91
60) Dibromochloromethane	10.90	129	3100964	145.47	ug/l	99
61) 1,2-Dibromoethane	11.01	107	2593805	145.90	ug/l	100
64) Tetrachloroethene	10.63	164	3039041	136.34	ug/l	98
65) Chlorobenzene	11.44	112	8308693	144.77	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	3056330	140.01	ug/l	99
67) Ethyl Benzene	11.51	91	14479963	146.25	ug/l	96
68) m/p-Xylenes	11.62	106	11133280	307.50	ug/l #	1
69) o-Xylene	11.95	106	5372541	154.08	ug/l	96
70) Styrene	11.97	104	8955383	162.23	ug/l	97
71) Bromoform	12.13	173	2139619	156.82	ug/l #	99
73) Isopropylbenzene	12.25	105	14136580	123.49	ug/l	97
74) N-amyl acetate	12.07	43	3824586	117.28	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	3114886	106.62	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	2334901m	100.41	ug/l	
77) Bromobenzene	12.53	156	3577483	127.33	ug/l	91
78) n-propylbenzene	12.59	91	15420536	121.26	ug/l	95
79) 2-Chlorotoluene	12.68	91	9802203	122.22	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	11764796	134.04	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	937250	131.39	ug/l	87
82) 4-Chlorotoluene	12.78	91	9971111	131.07	ug/l	97
83) tert-Butylbenzene	12.99	119	10036500	132.74	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	11997237	137.52	ug/l	98
85) sec-Butylbenzene	13.17	105	13539429	134.32	ug/l	98
86) p-Isopropyltoluene	13.29	119	11981570	146.76	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	6441805	143.84	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	6263784	142.01	ug/l	99
89) n-Butylbenzene	13.62	91	10145969	160.98	ug/l	96
90) Hexachloroethane	13.88	117	2233292	116.06	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	6038424	137.06	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	493421	123.92	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	3339523	206.64	ug/l	99
94) Hexachlorobutadiene	15.01	225	1870670	140.41	ug/l	98
95) Naphthalene	15.14	128	7029196	199.70	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	3182968	182.95	ug/l	99

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

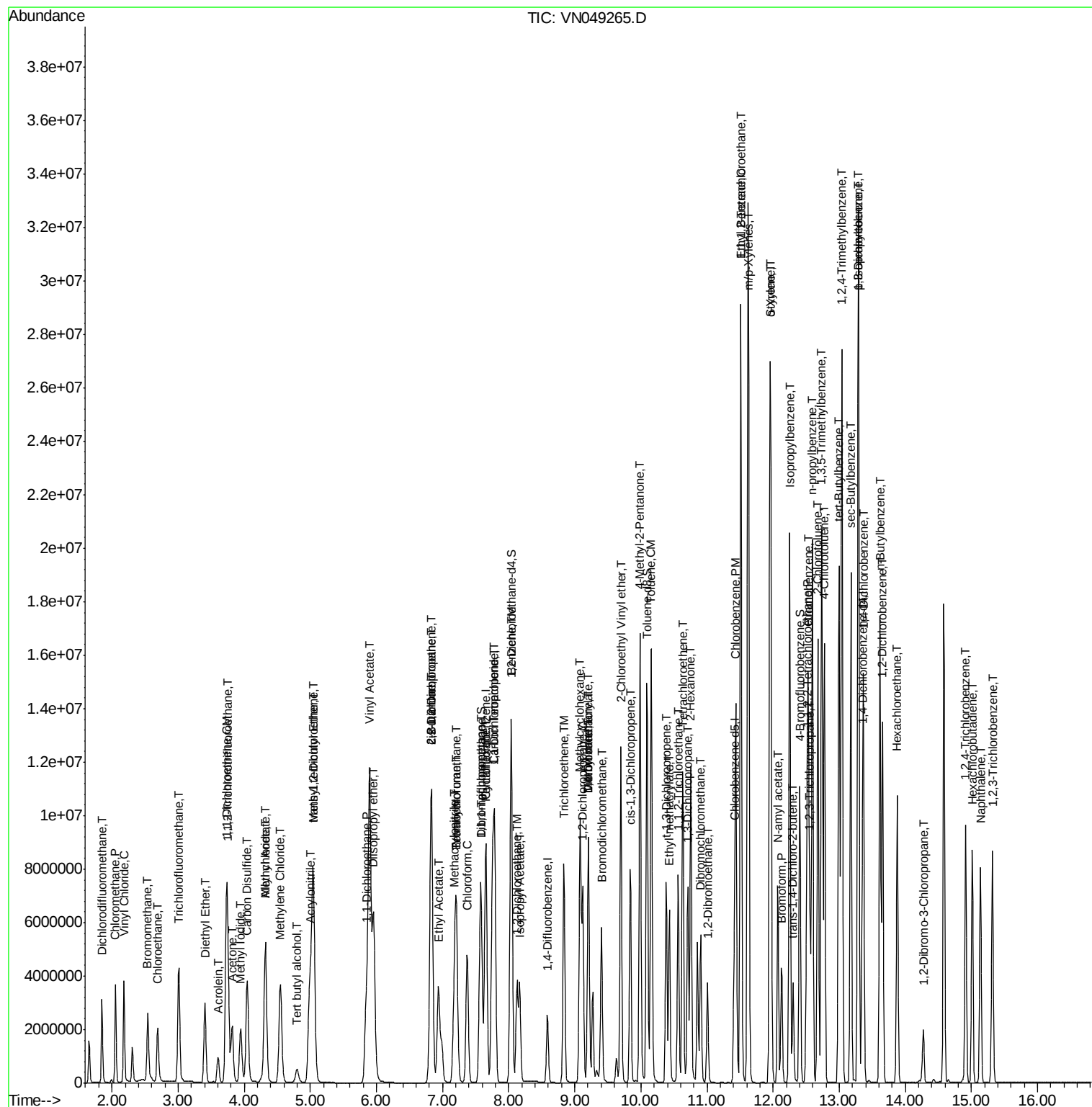
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
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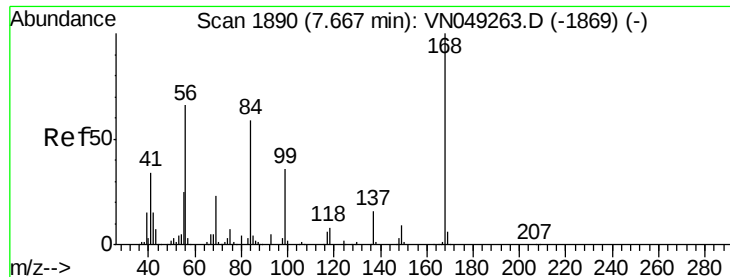
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 1611148

Ion Ratio Lower Upper

168 100

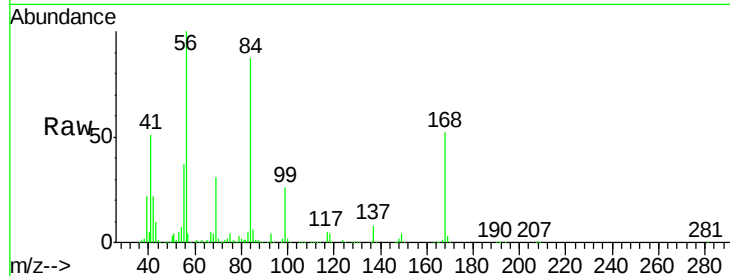
99 50.3 45.8 68.6

Manual Integrations

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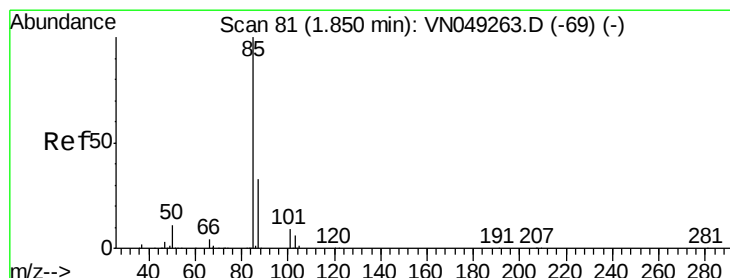
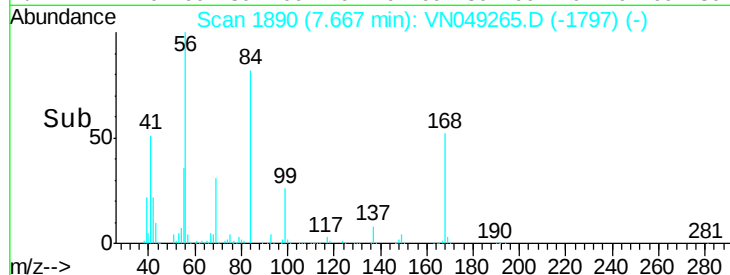
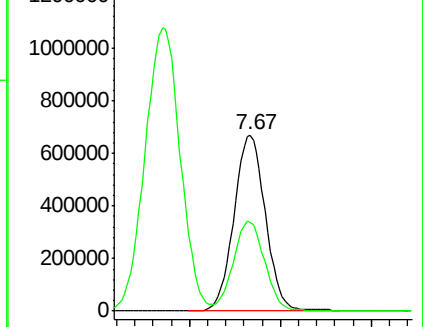
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 106.11 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049265.D

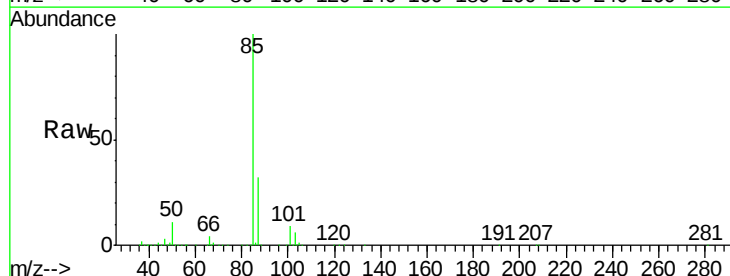
Acq: 15 Jun 2018 16:10

Tgt Ion: 85 Resp: 2462438

Ion Ratio Lower Upper

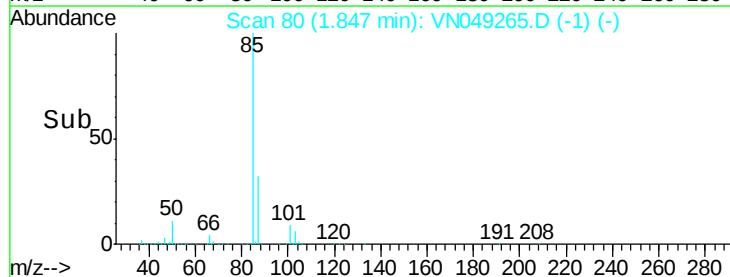
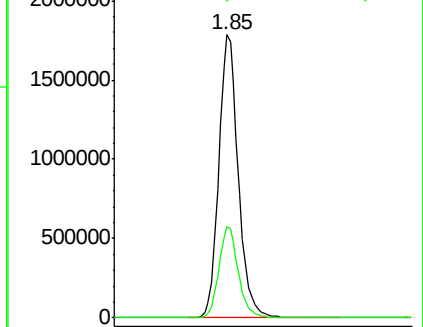
85 100

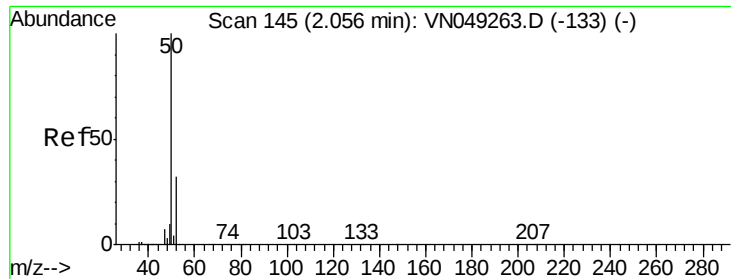
87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 129.97 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 3081928

Ion Ratio Lower Upper

50 100

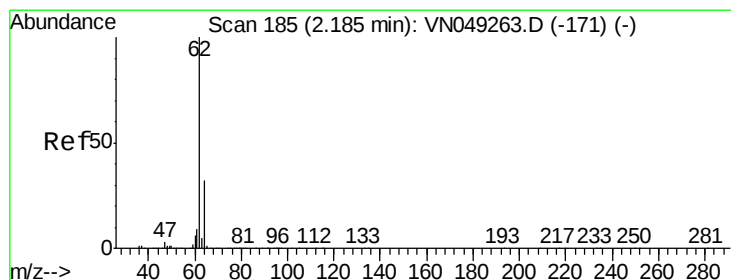
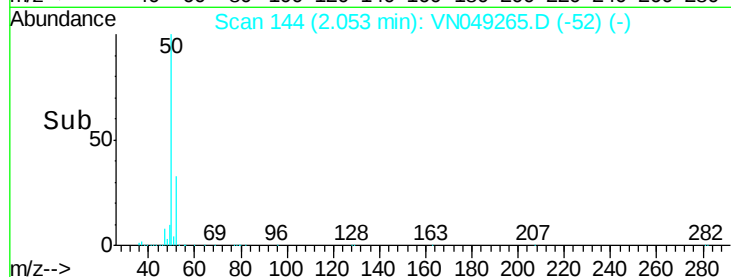
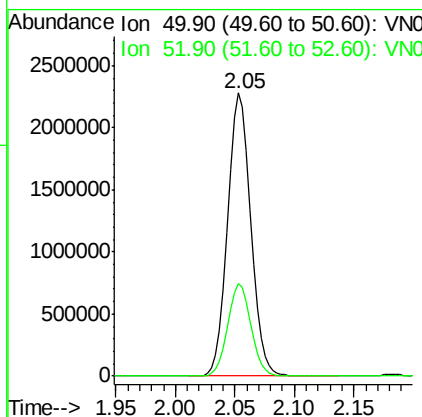
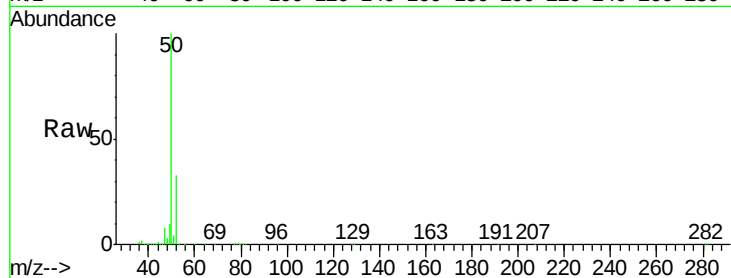
52 32.7 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 139.04 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049265.D

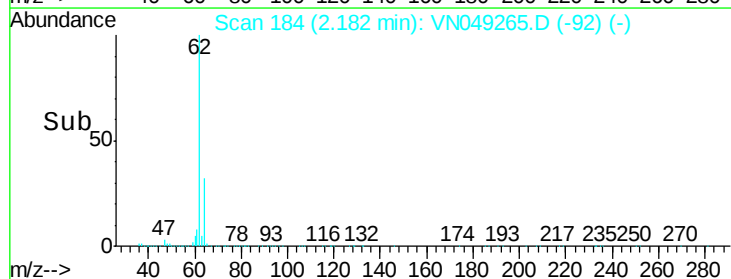
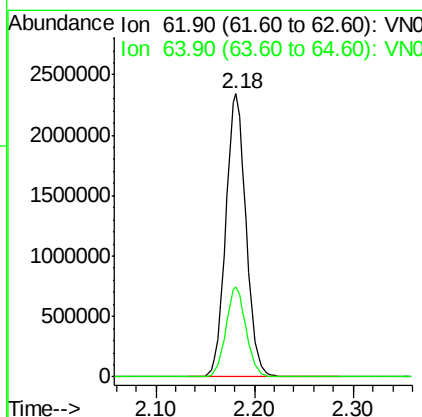
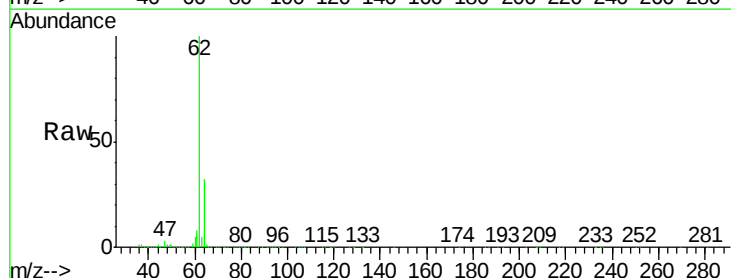
Acq: 15 Jun 2018 16:10

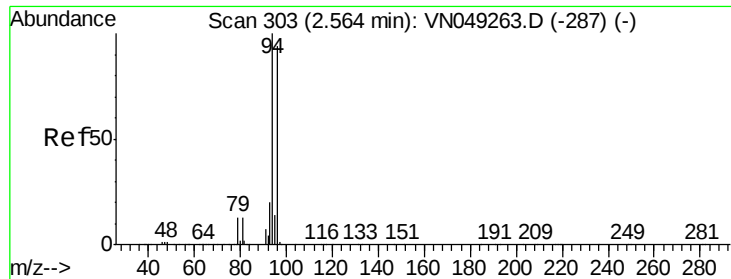
Tgt Ion: 62 Resp: 3380788

Ion Ratio Lower Upper

62 100

64 31.7 25.7 38.5





#5

Bromomethane

Concen: 130.11 ug/l

RT: 2.54 min Scan# 296

Delta R.T. -0.02 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 1907511

Ion Ratio Lower Upper

94 100

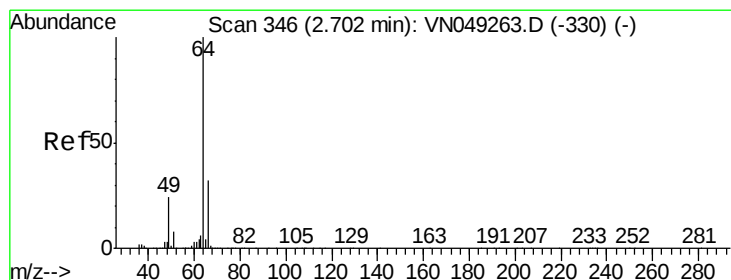
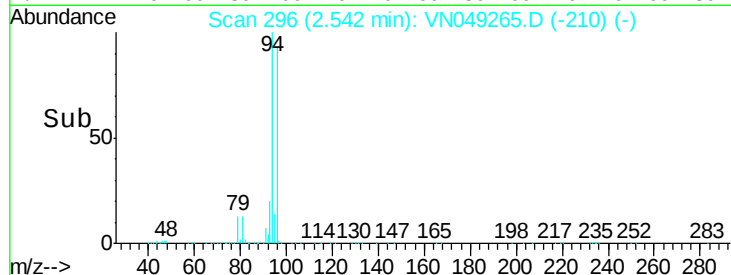
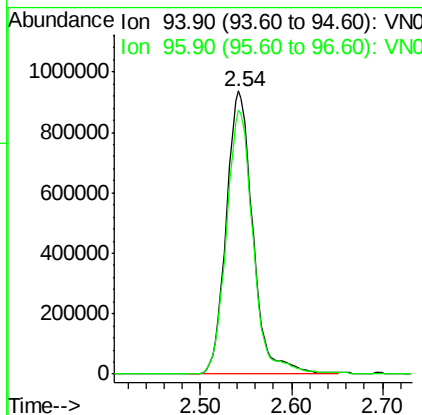
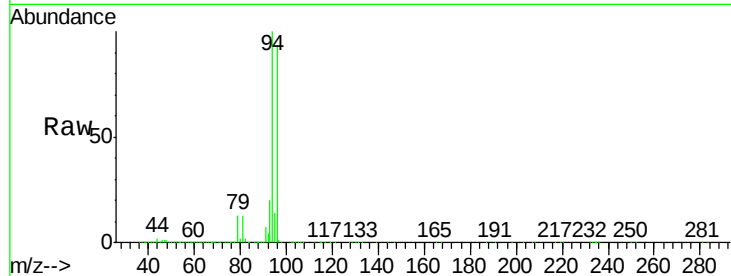
96 93.2 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 124.99 ug/l

RT: 2.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VN049265.D

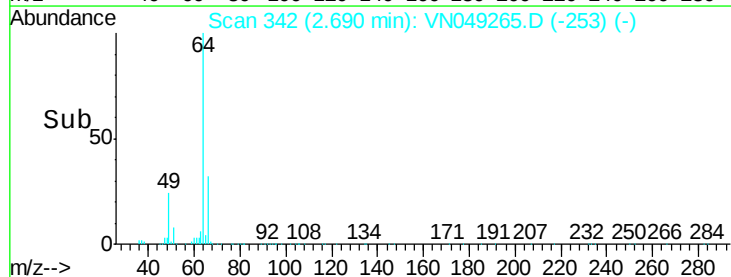
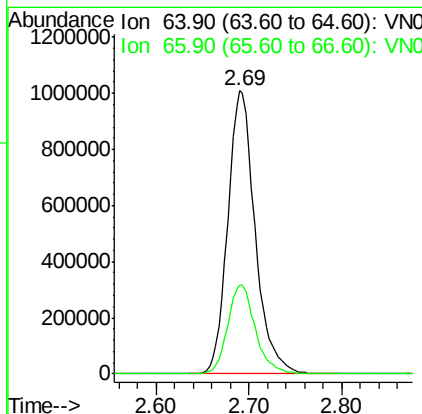
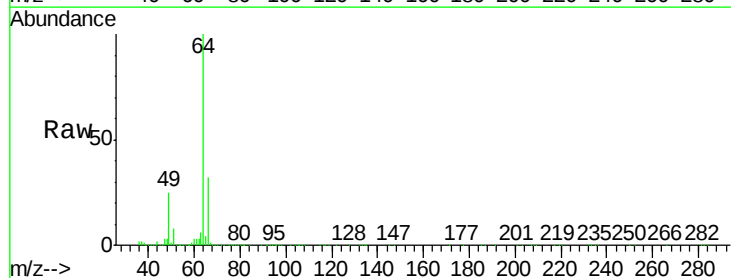
Acq: 15 Jun 2018 16:10

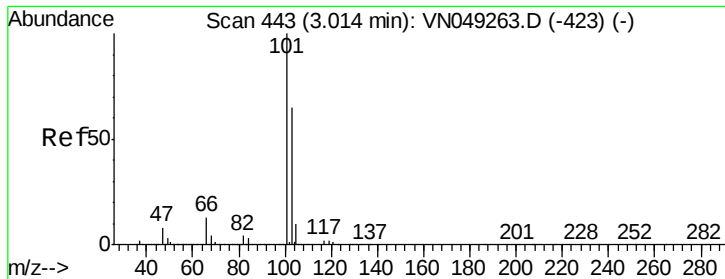
Tgt Ion: 64 Resp: 2052314

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4





#7

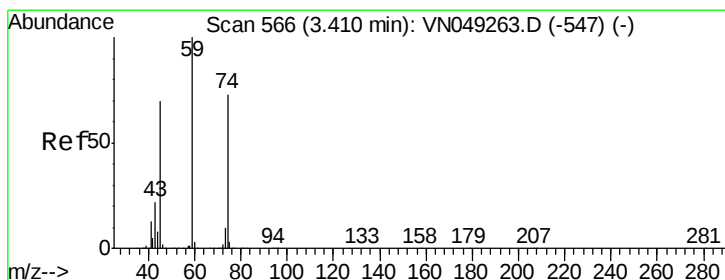
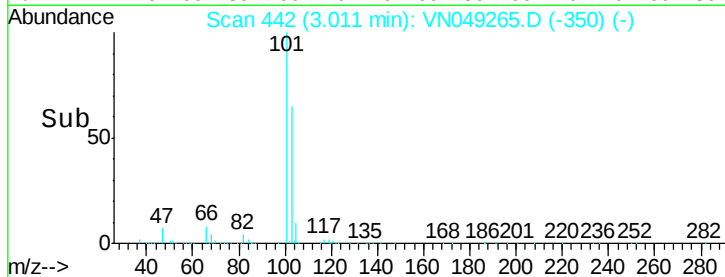
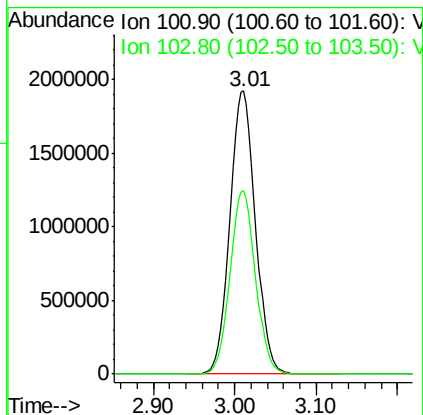
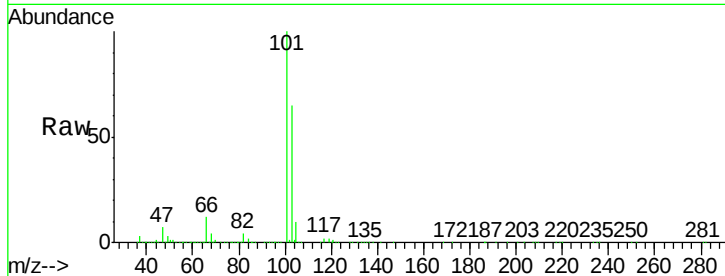
Trichlorofluoromethane
Concen: 123.19 ug/l
RT: 3.01 min Scan# 442
Delta R.T. -0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 4217325
Ion Ratio Lower Upper
101 100
103 65.0 51.7 77.5

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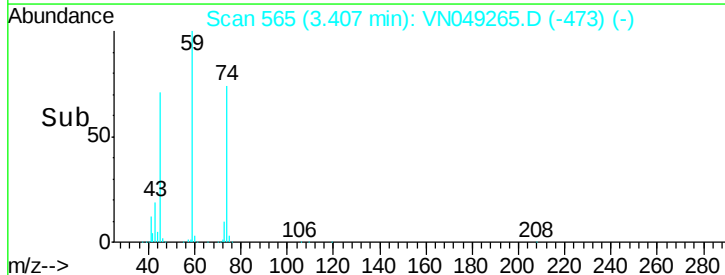
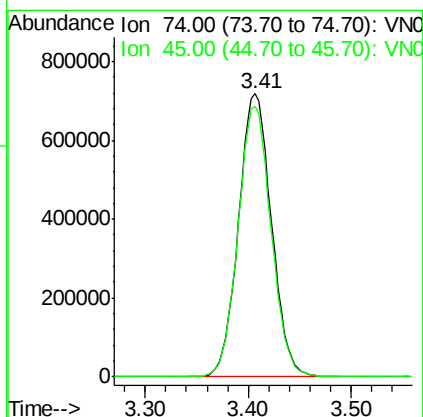
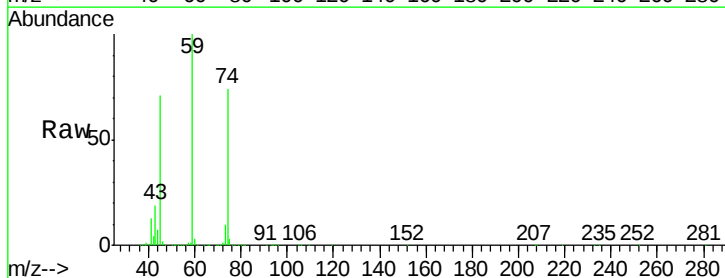
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#8

Diethyl Ether
Concen: 125.55 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Tgt Ion: 74 Resp: 1596183
Ion Ratio Lower Upper
74 100
45 95.6 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 122.33 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 2711120

Ion Ratio Lower Upper

101 100

85 42.2 37.6 56.4

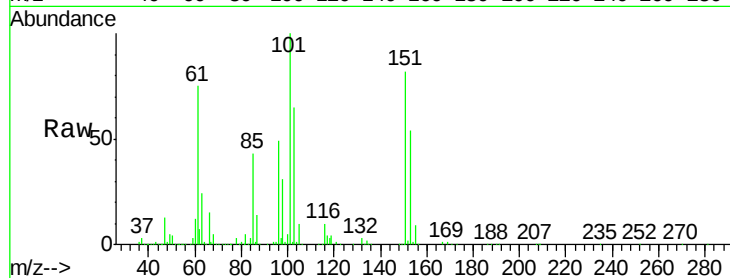
151 81.8 61.1 91.7

Manual Integrations

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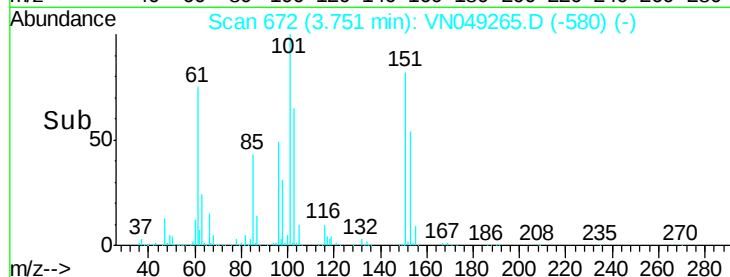


Abundance Ion 100.90 (100.60 to 101.60): V

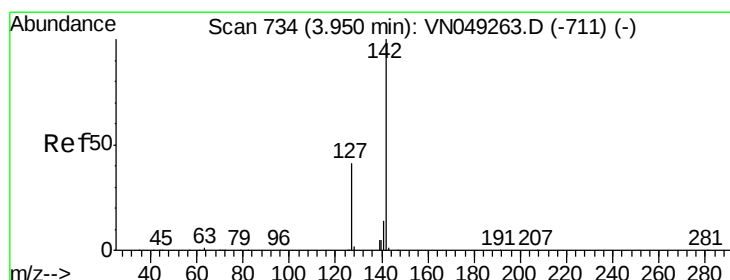
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

Time-->



Time-->



#10

Methyl Iodide

Concen: 162.38 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

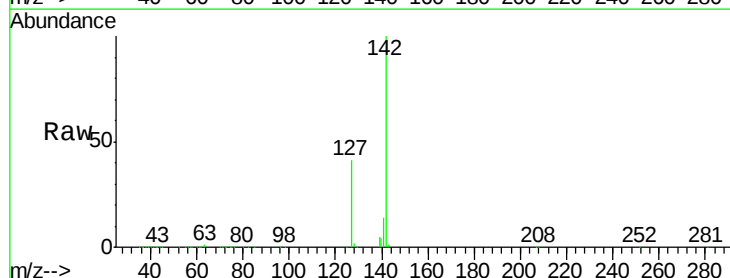
Tgt Ion:142 Resp: 3499115

Ion Ratio Lower Upper

142 100

127 40.2 38.2 57.4

141 14.1 11.9 17.9

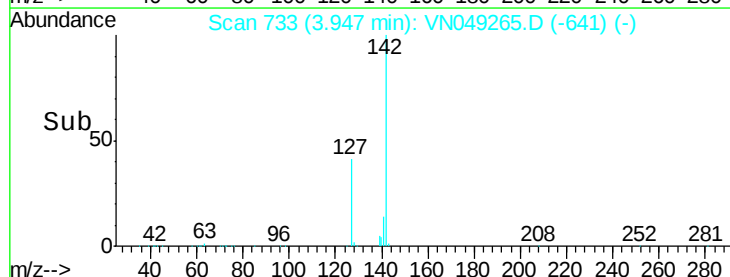


Abundance Ion 141.80 (141.50 to 142.50): V

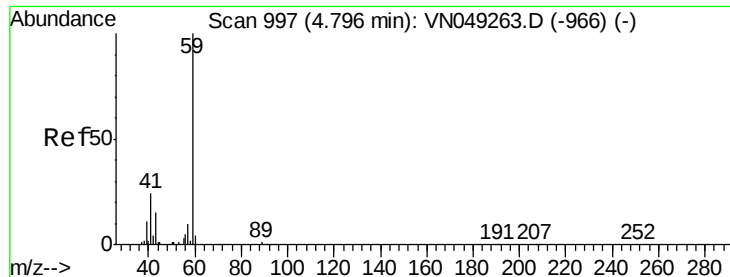
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

Time-->



Time-->



#11

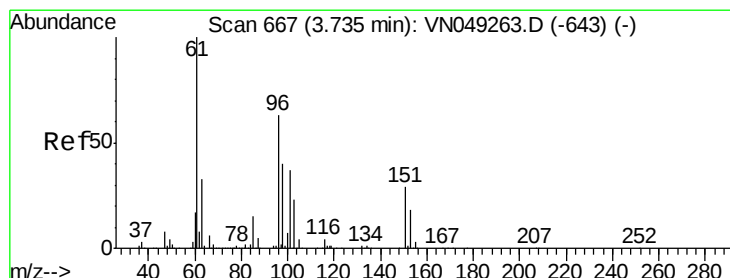
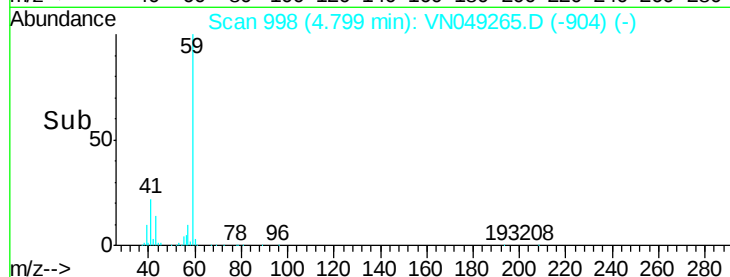
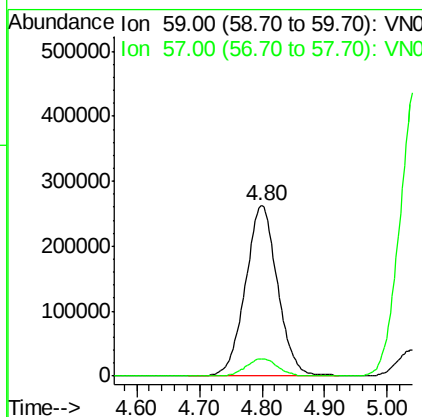
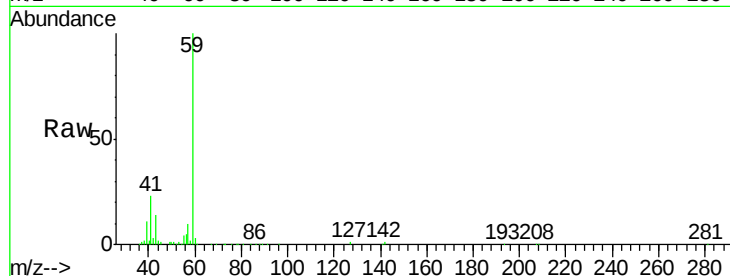
Tert butyl alcohol
Concen: 661.16 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	59	Resp	937561
Ion Ratio	100	Lower	Upper
57	10.2	9.0	13.6

Manual Integrations
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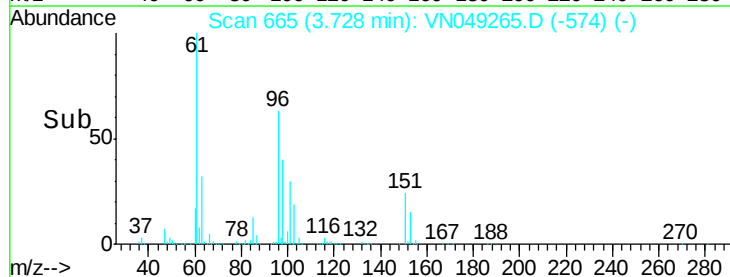
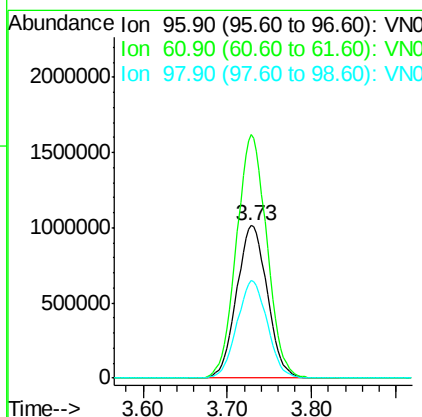
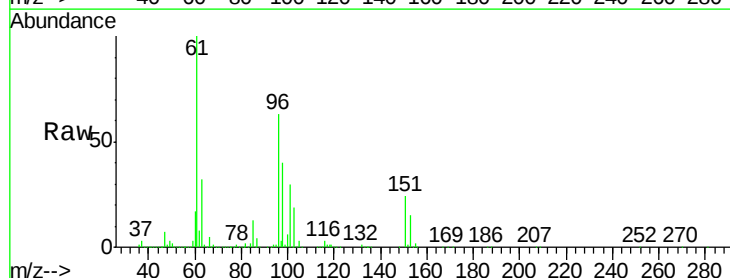
MMDadoda
6/18/2018 3:16:13 PM

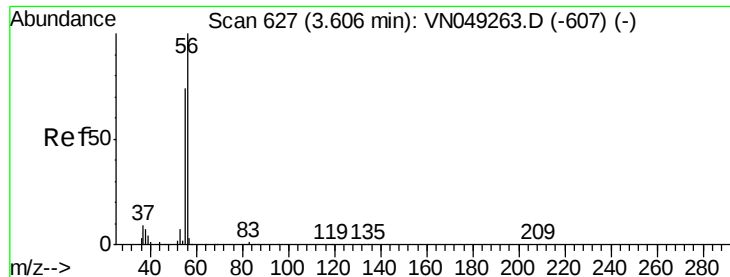


#12

1,1-Dichloroethene
Concen: 127.24 ug/l
RT: 3.73 min Scan# 665
Delta R.T. -0.01 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Tgt Ion	96	Resp	2560409
Ion Ratio	100	Lower	Upper
61	159.6	141.0	211.4
98	63.9	50.4	75.6





#13

Acrolein

Concen: 556.14 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1073761

Ion Ratio Lower Upper

56 100

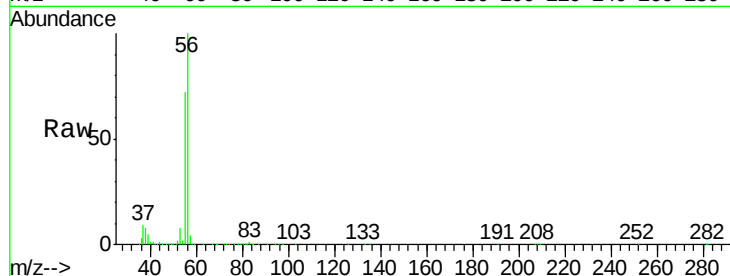
55 71.8 57.1 85.7

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

3.60

400000

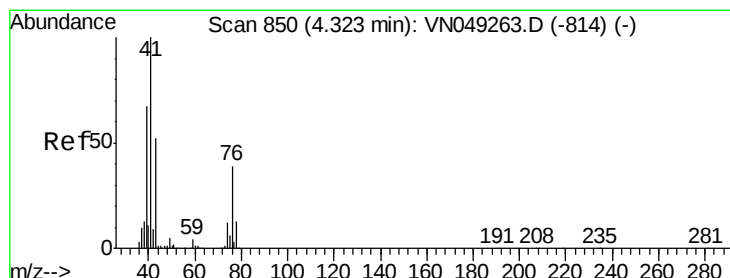
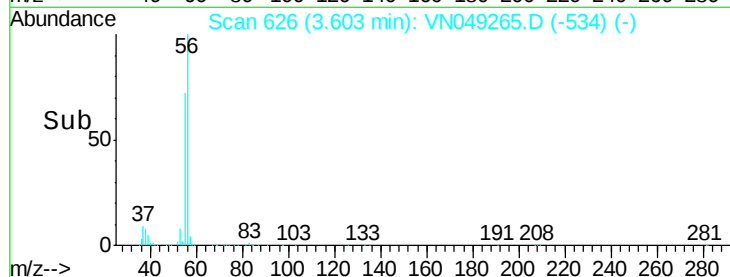
300000

200000

100000

0

Time-->



#14

Allyl chloride

Concen: 116.14 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

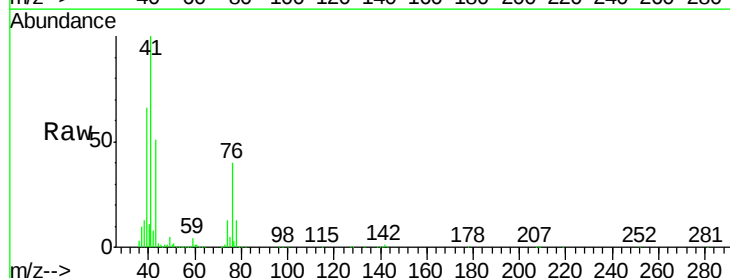
Tgt Ion: 41 Resp: 4389055

Ion Ratio Lower Upper

41 100

39 63.6 62.5 93.7

76 37.3 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

3000000

2500000

2000000

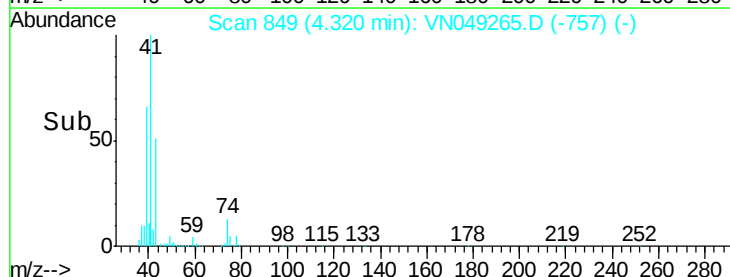
1500000

1000000

500000

0

Time-->





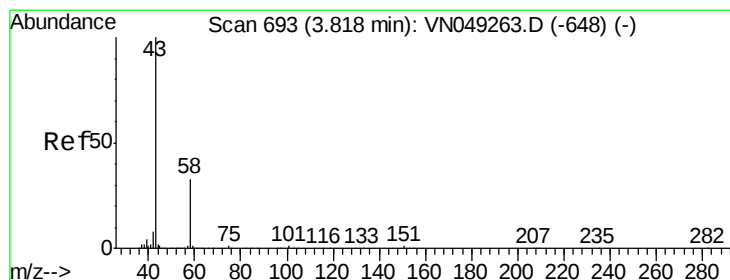
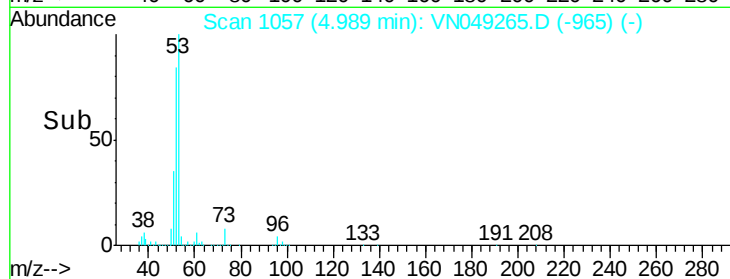
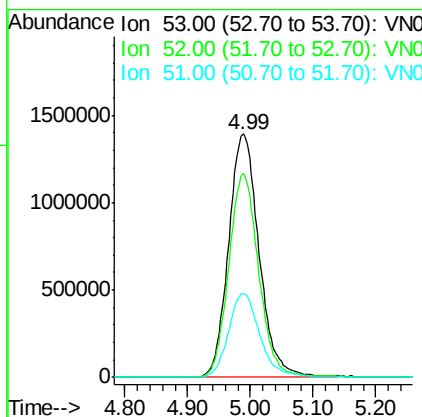
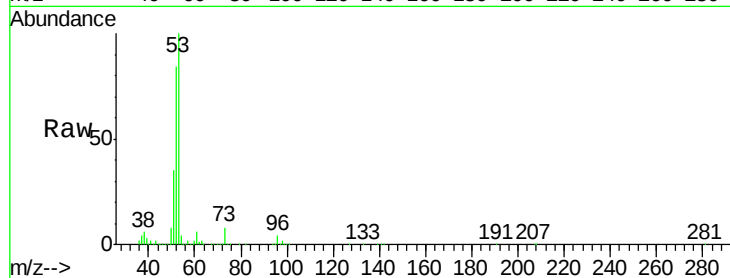
#15
 Acrylonitrile
 Concen: 614.58 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049265.D
 Acq: 15 Jun 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.6	100.0
51	35.5	29.8	44.8

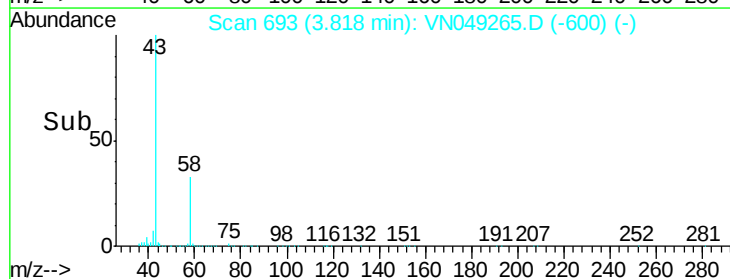
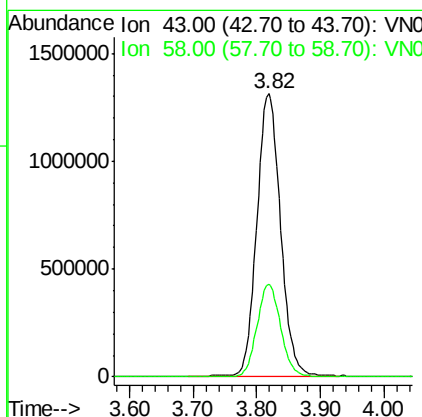
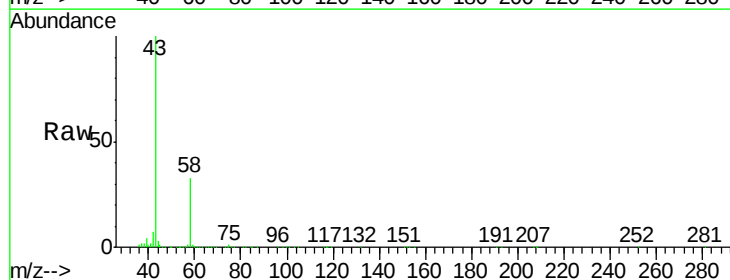
Manual Integrations
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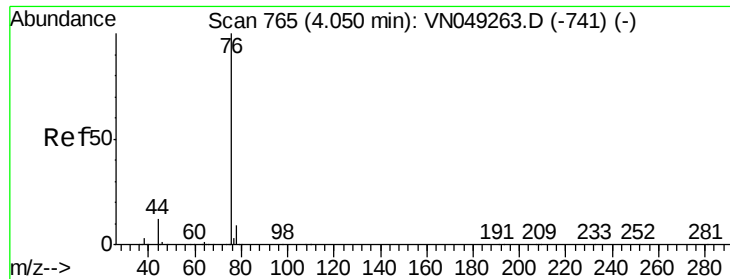
MMDadoda
 6/18/2018 3:16:13 PM



#16
 Acetone
 Concen: 550.32 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049265.D
 Acq: 15 Jun 2018 16:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.8	22.4	33.6





#17

Carbon Disulfide

Concen: 114.32 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.01 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Tot Ion: 76 Resp: 7848251

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

Instrument :

MSVOA_N

ClientSampleId :

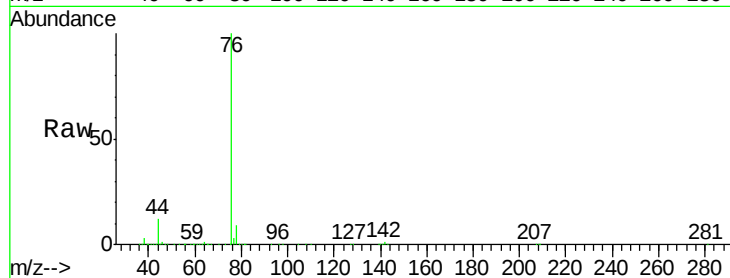
VSTDIC150

Manual Integrations

APPROVED

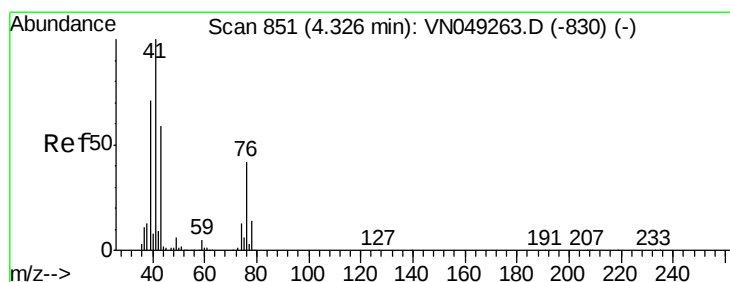
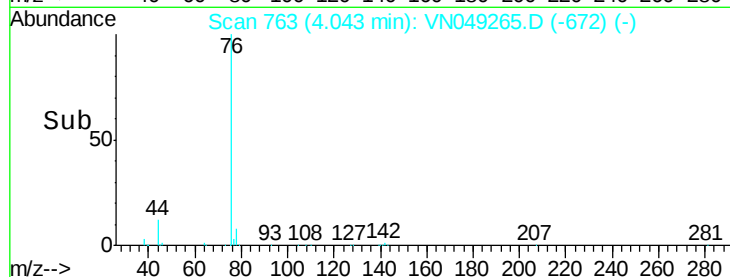
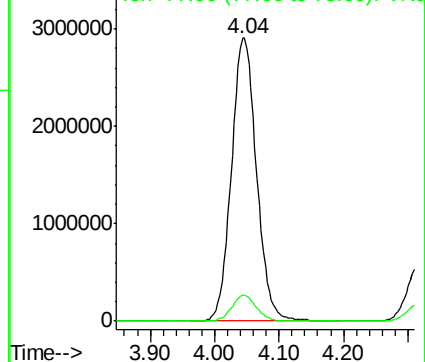
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 82.44 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN049265.D

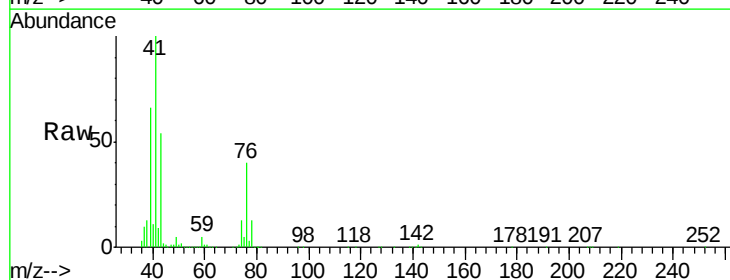
Acq: 15 Jun 2018 16:10

Tgt Ion: 43 Resp: 2155188

Ion Ratio Lower Upper

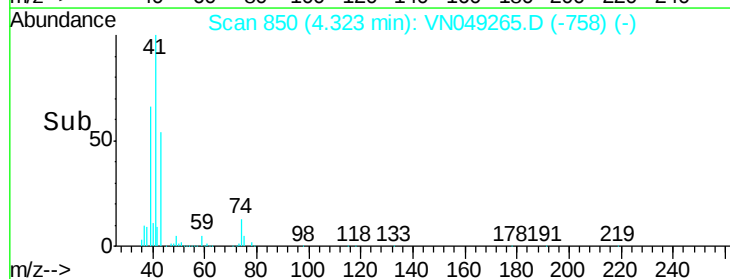
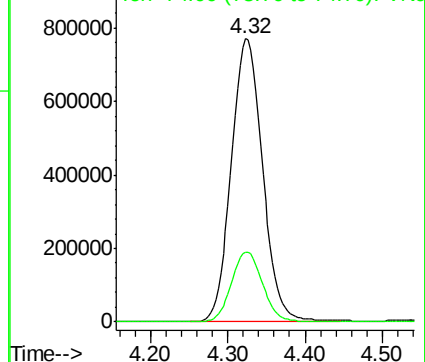
43 100

74 24.6 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





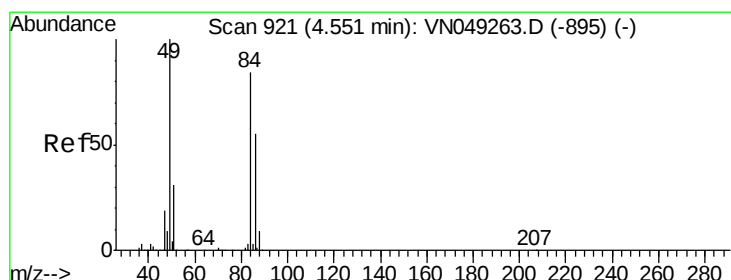
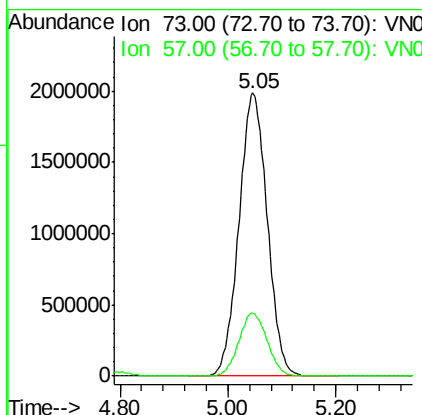
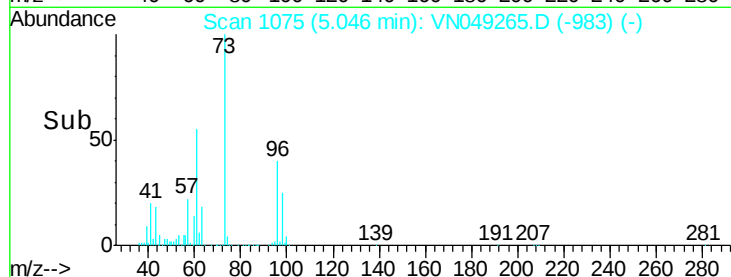
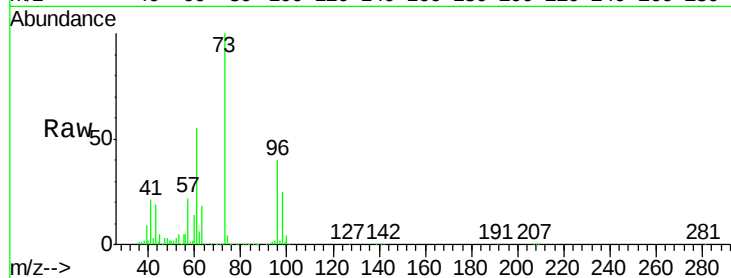
#19
Methyl tert-butyl Ether
Concen: 131.90 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 7232232
Ion Ratio Lower Upper
73 100
57 22.1 18.2 27.4

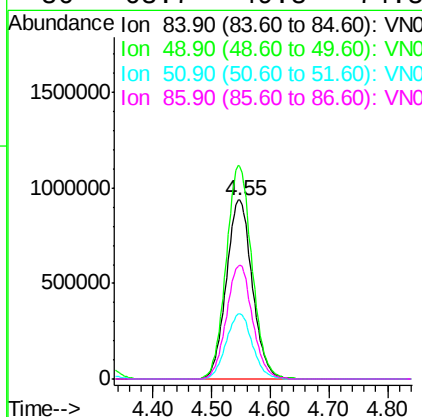
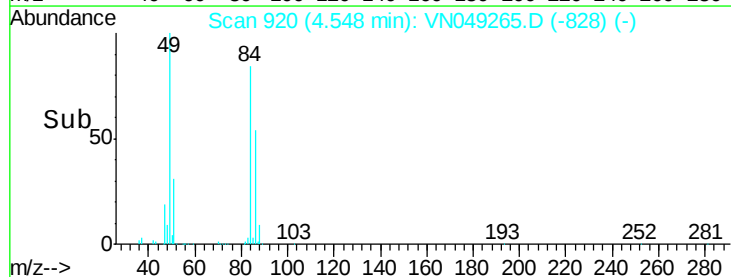
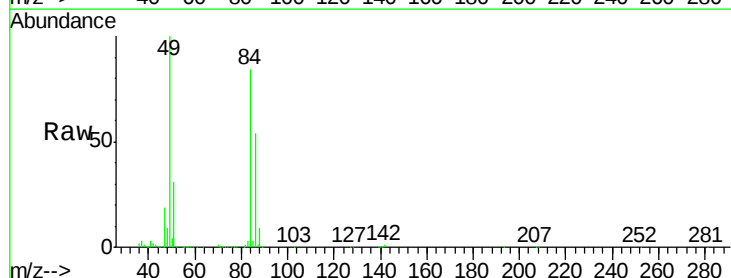
Manual Integrations
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MMDadoda
6/18/2018 3:16:13 PM



#20
Methylene Chloride
Concen: 114.40 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Tgt Ion: 84 Resp: 2888088
Ion Ratio Lower Upper
84 100
49 118.5 106.9 160.3
51 36.8 32.7 49.1
86 63.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 123.47 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 2754533

Ion Ratio Lower Upper

96 100

61 138.6 121.3 181.9

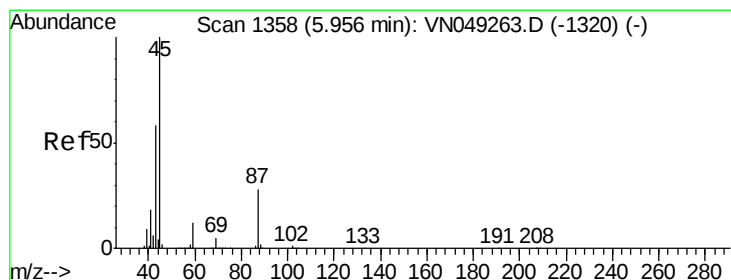
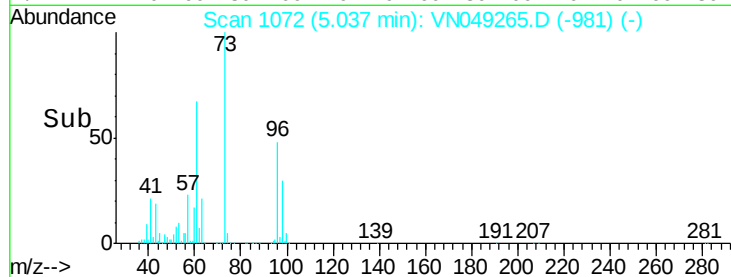
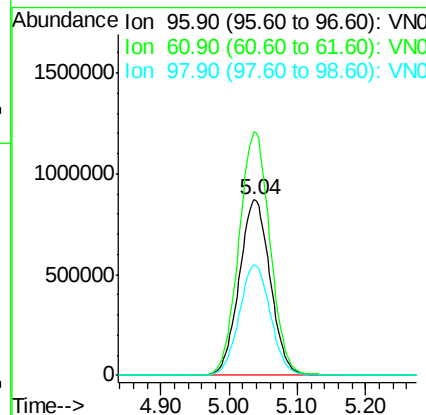
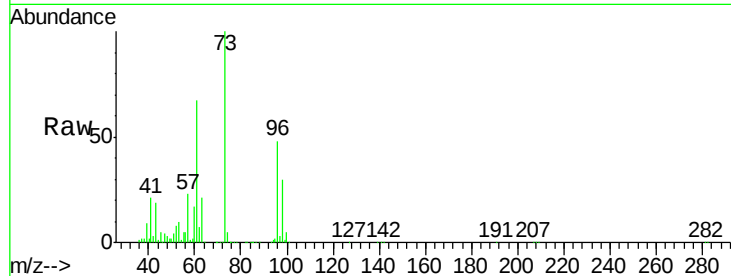
98 63.0 52.0 78.0

Manual Integrations

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6/18/2018 3:16:13 PM



#22

Diisopropyl ether

Concen: 117.08 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Tgt Ion: 45 Resp: 8831172

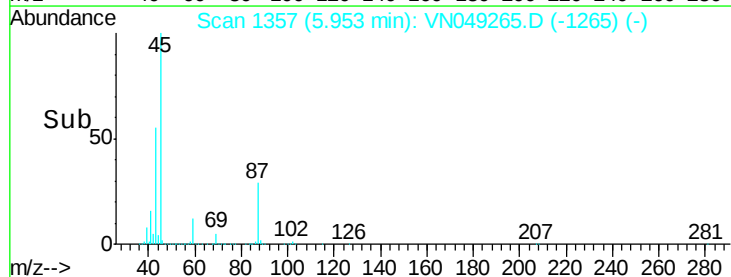
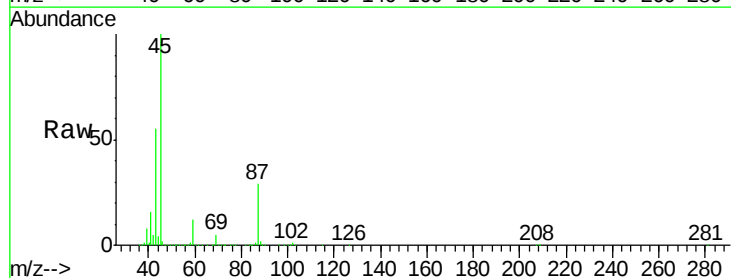
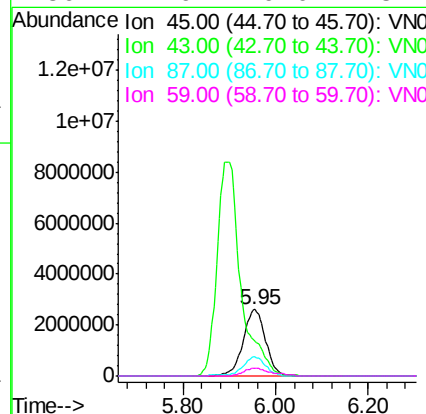
Ion Ratio Lower Upper

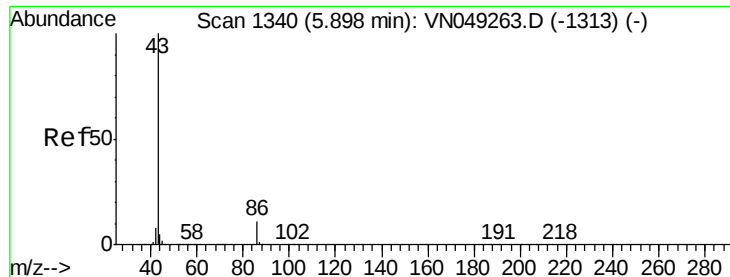
45 100

43 54.7 48.6 72.8

87 28.4 20.2 30.2

59 11.9 9.0 13.4





#23

Vinyl Acetate

Concen: 600.08 ug/l m

RT: 5.89 min Scan# 1337

Delta R.T. -0.01 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp:29920433

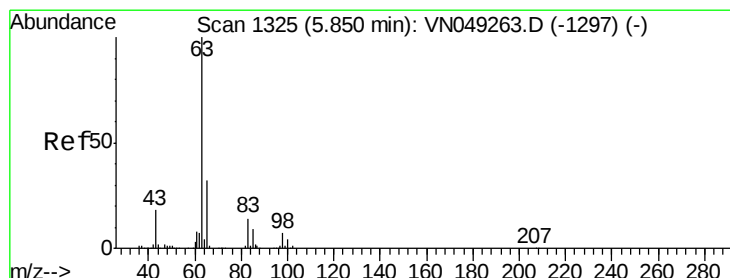
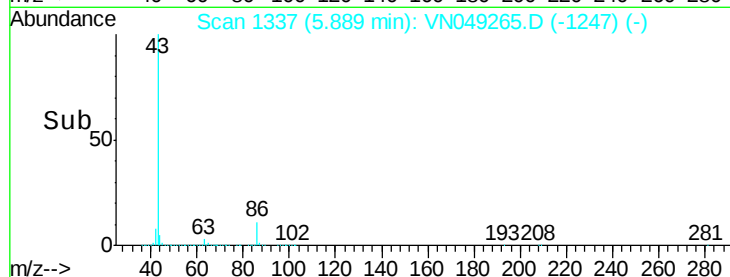
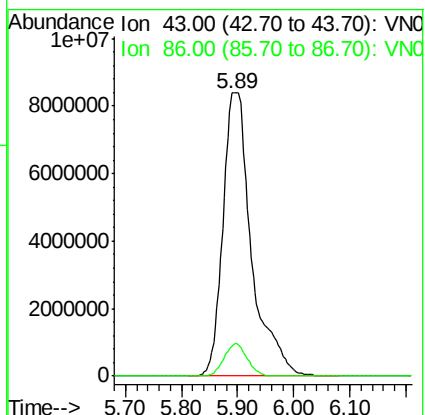
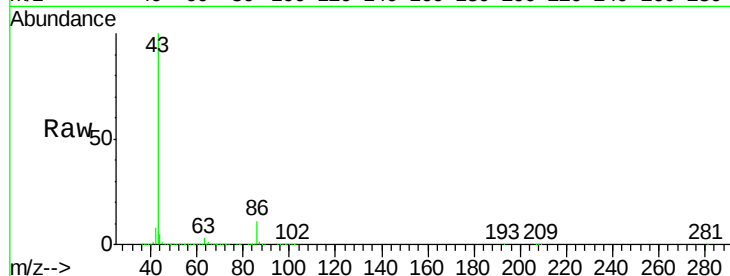
Ion Ratio Lower Upper

43 100

86 10.6 7.2 10.8

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#24

1,1-Dichloroethane

Concen: 115.35 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

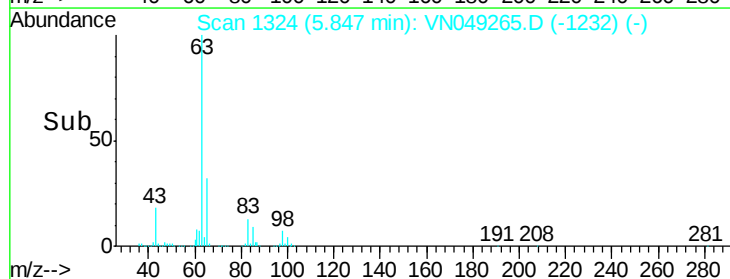
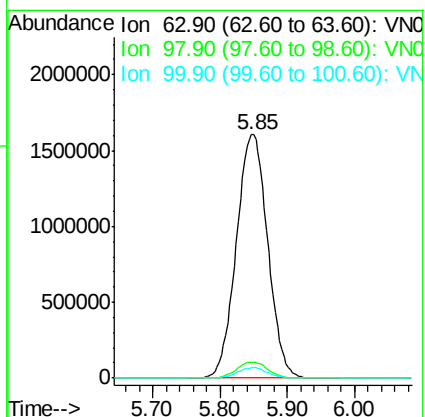
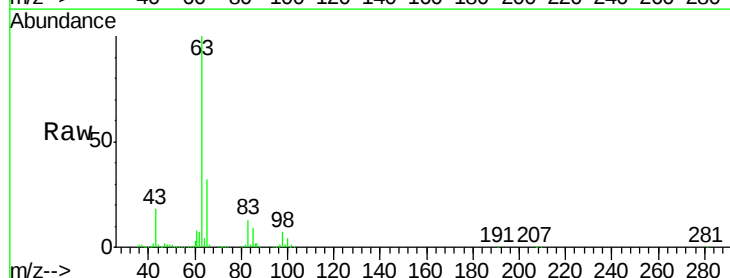
Tgt Ion: 63 Resp: 5185208

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 584.70 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 5204428

Ion Ratio Lower Upper

43 100

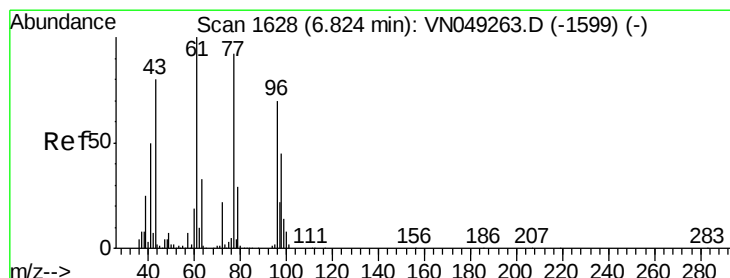
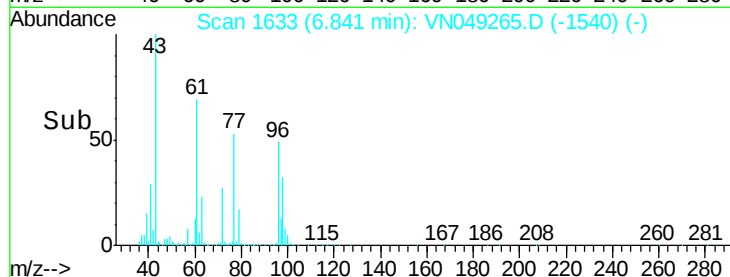
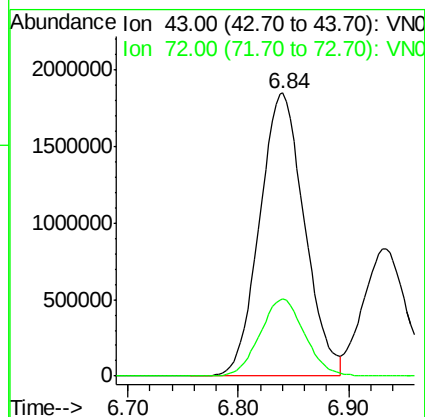
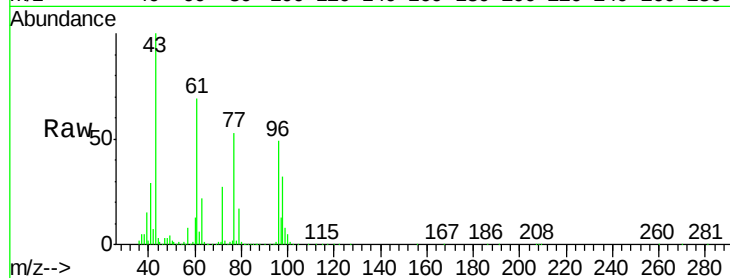
72 27.3 20.2 30.2

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 125.03 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049265.D

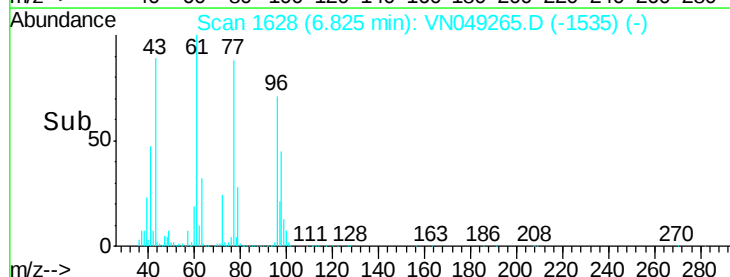
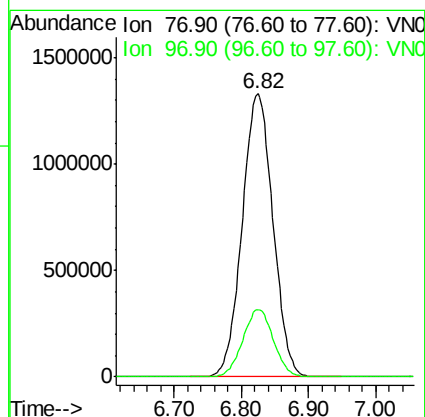
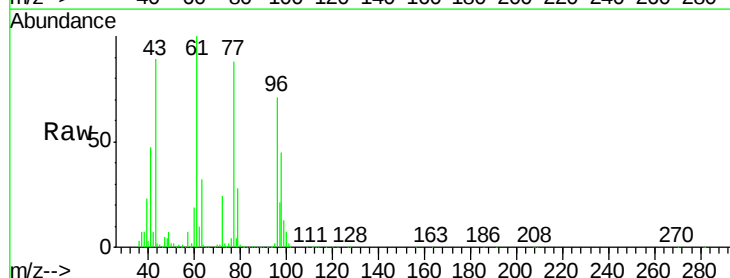
Acq: 15 Jun 2018 16:10

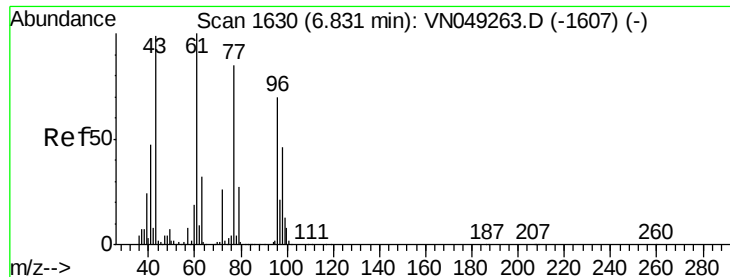
Tgt Ion: 77 Resp: 4214355

Ion Ratio Lower Upper

77 100

97 23.7 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 130.21 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 3163312

Ion Ratio Lower Upper

96 100

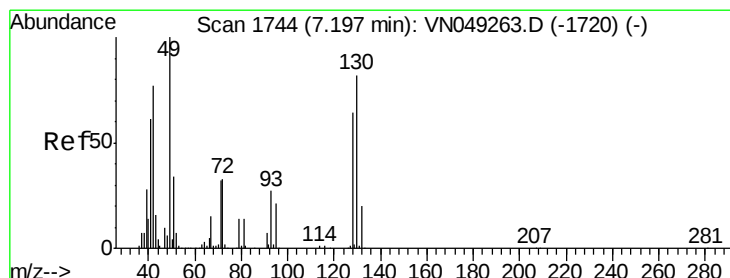
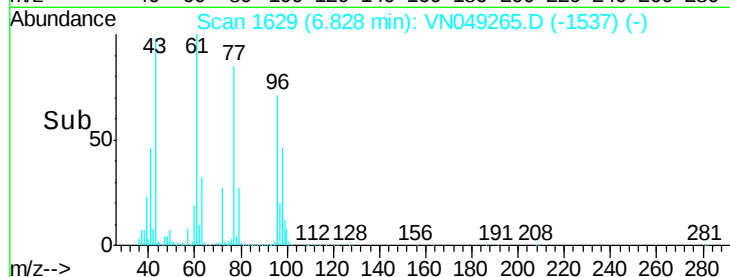
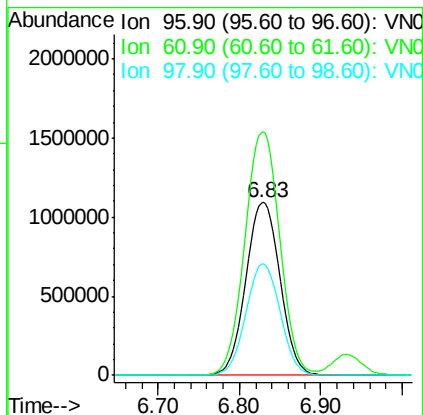
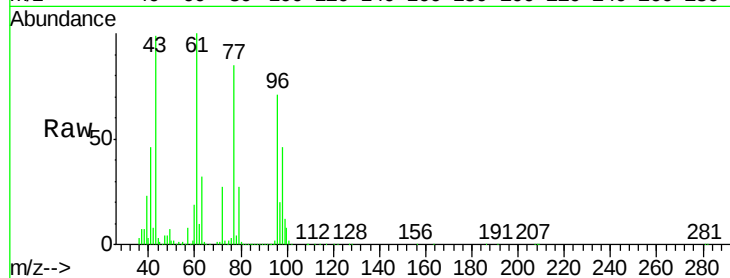
61 143.8 0.0 316.4

98 64.7 0.0 128.4

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#28

Bromochloromethane

Concen: 113.43 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

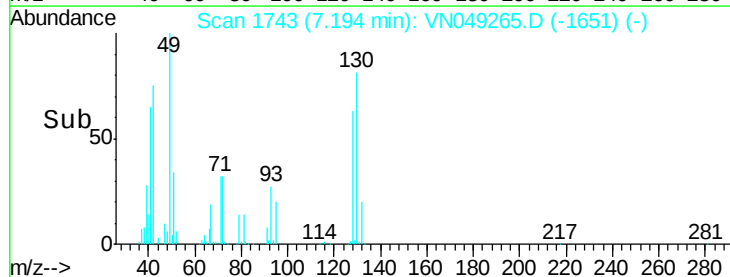
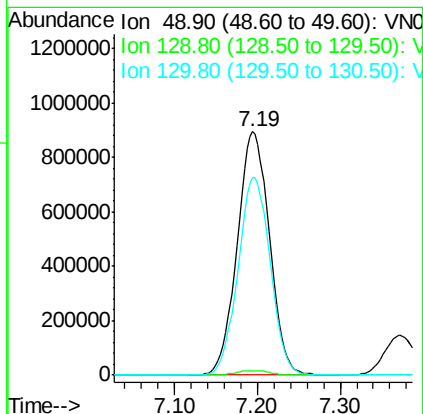
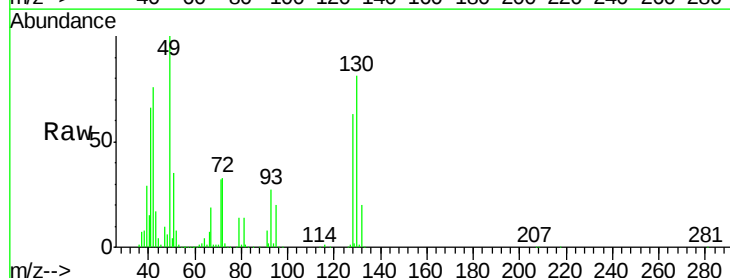
Tgt Ion: 49 Resp: 2419934

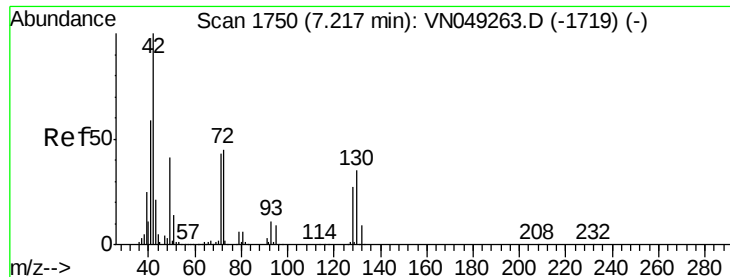
Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

130 81.3 54.9 82.3





#29

Tetrahydrofuran

Concen: 593.82 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 42 Resp: 3400402

Ion Ratio Lower Upper

42 100

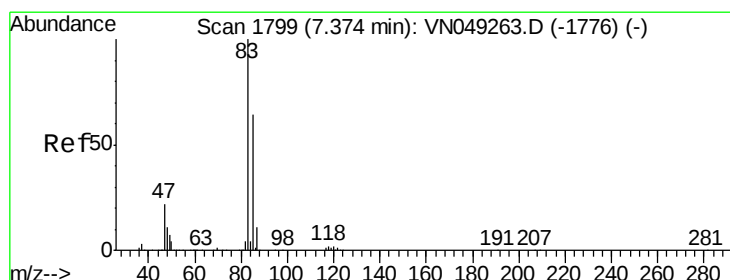
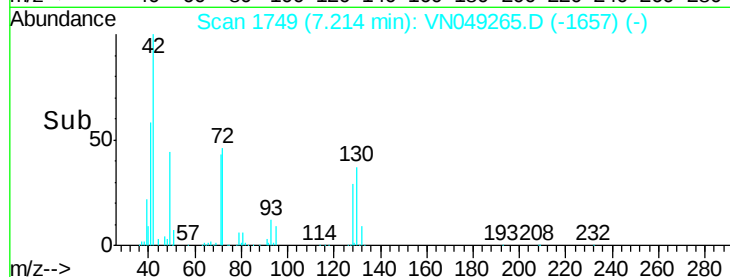
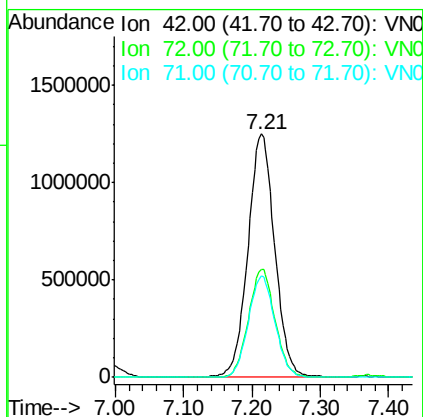
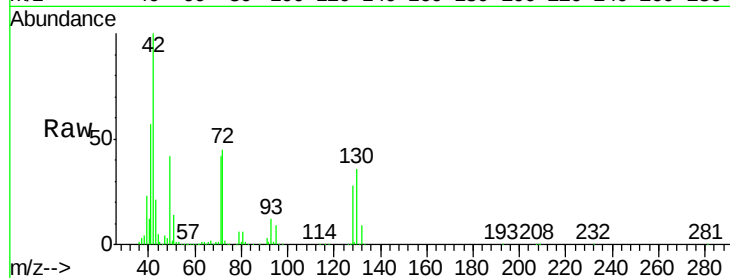
72 44.1 32.2 48.4

71 41.6 30.5 45.7

Manual Integrations
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#30

Chloroform

Concen: 118.53 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN049265.D

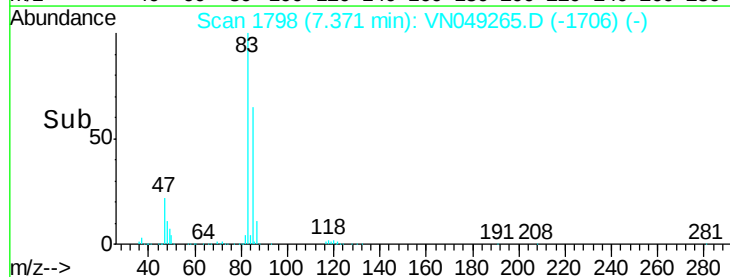
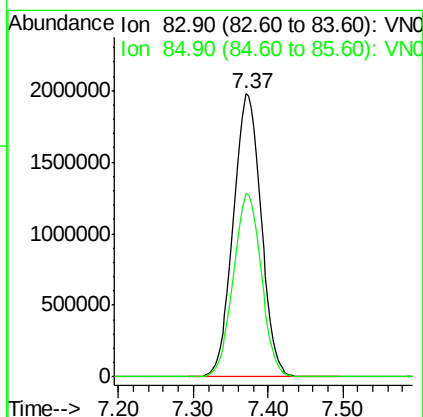
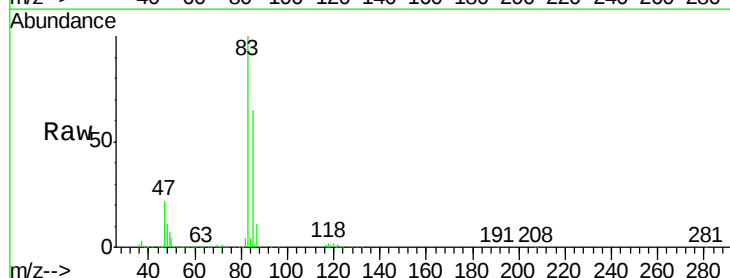
Acq: 15 Jun 2018 16:10

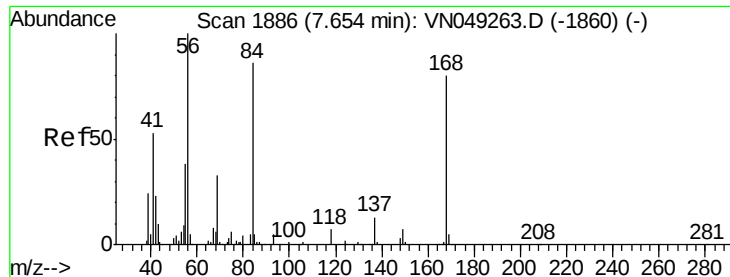
Tgt Ion: 83 Resp: 5119438

Ion Ratio Lower Upper

83 100

85 64.9 51.7 77.5





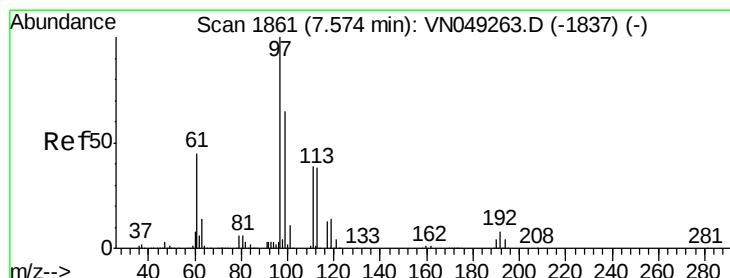
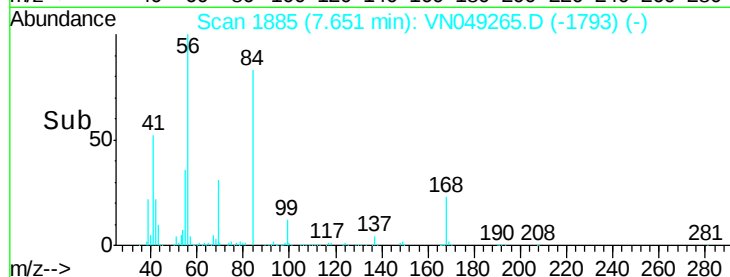
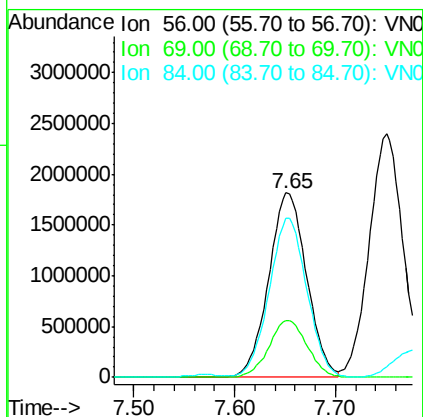
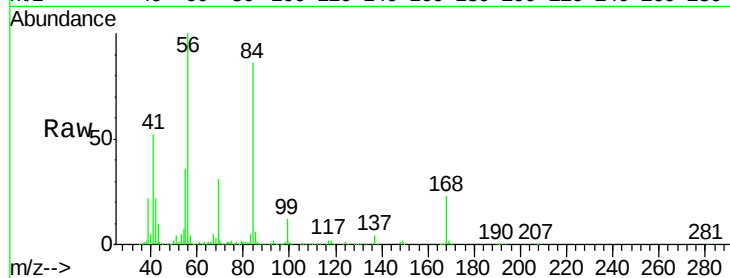
#31
Cyclohexane
Concen: 105.69 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 56 Resp: 4746267
Ion Ratio Lower Upper
56 100
69 30.8 25.0 37.4
84 84.9 64.6 96.8

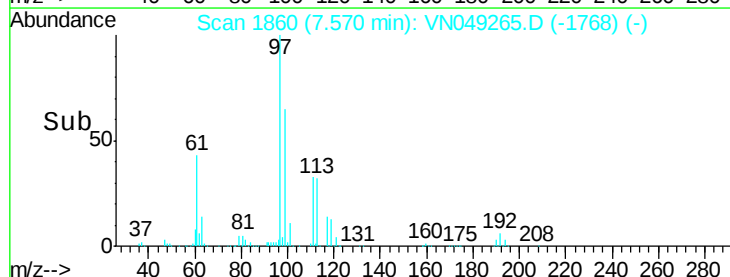
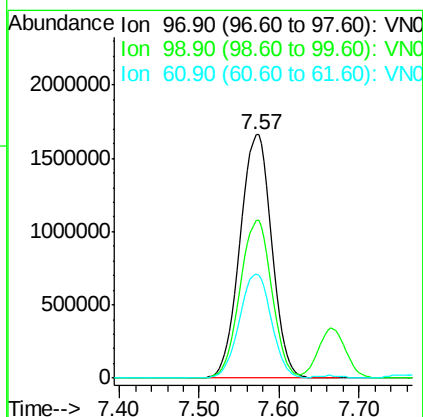
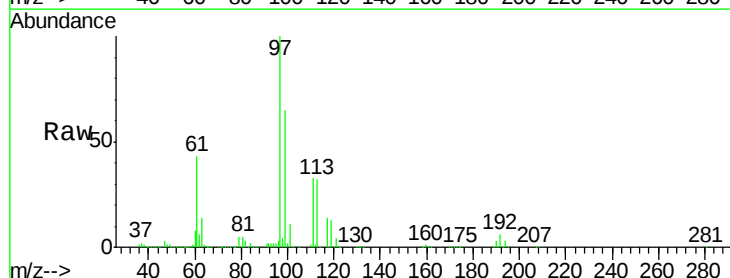
Manual Integrations
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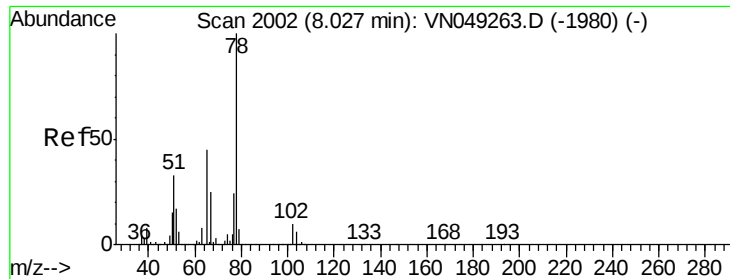
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 120.20 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Tgt Ion: 97 Resp: 4471465
Ion Ratio Lower Upper
97 100
99 64.9 50.5 75.7
61 43.0 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 117.62 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 3059838

Ion Ratio Lower Upper

65 100

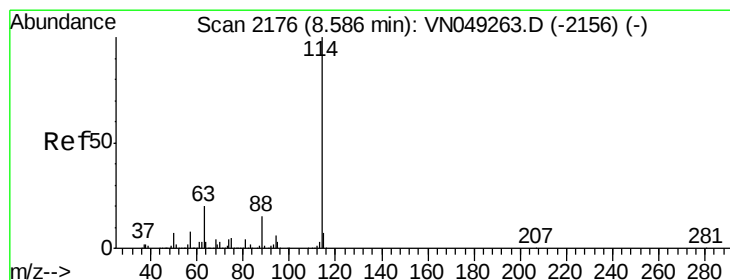
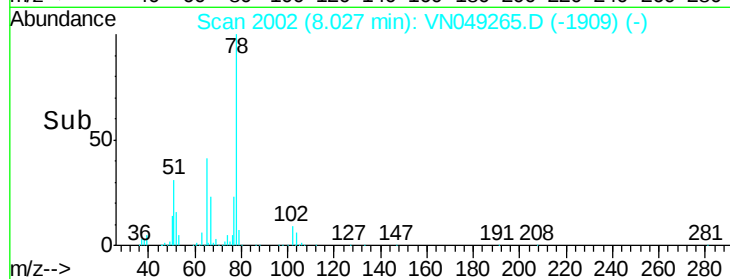
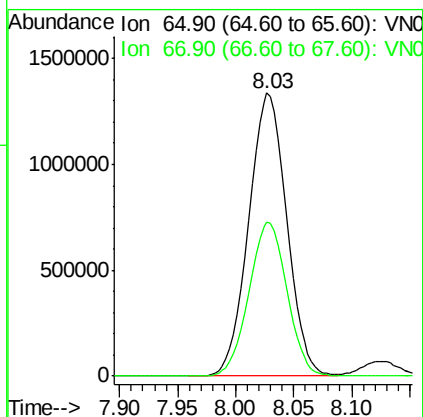
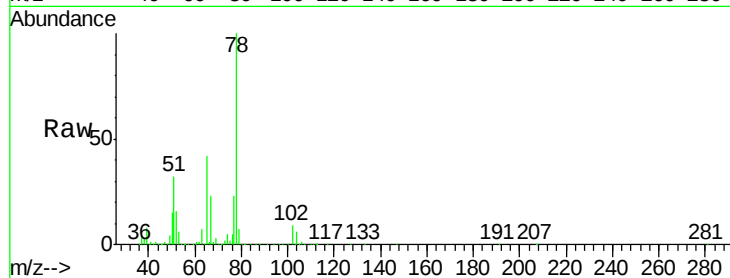
67 54.4 0.0 103.8

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

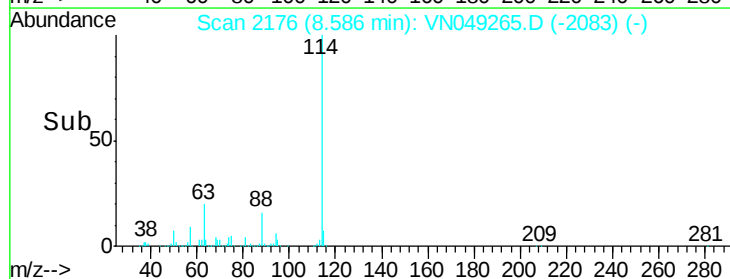
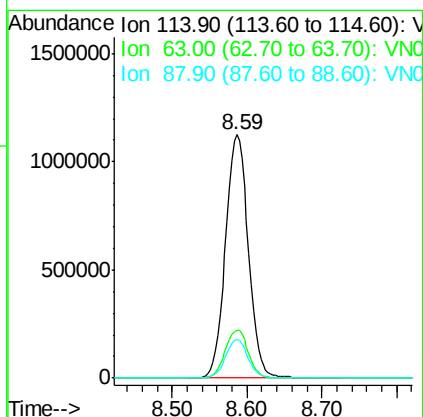
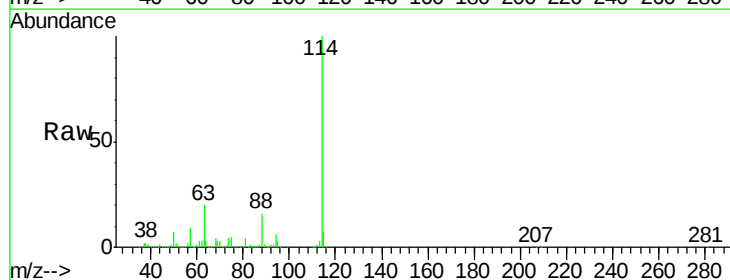
Tgt Ion: 114 Resp: 2378204

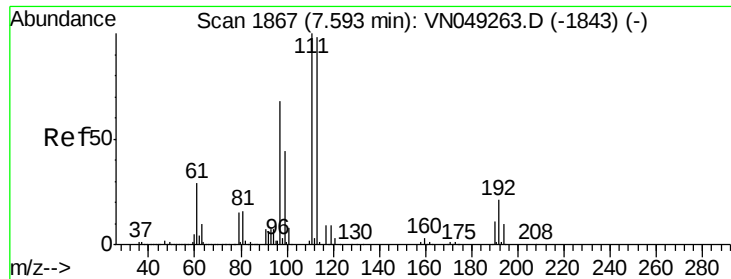
Ion Ratio Lower Upper

114 100

63 19.9 0.0 44.4

88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 140.80 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:113 Resp: 2771480

Ion Ratio Lower Upper

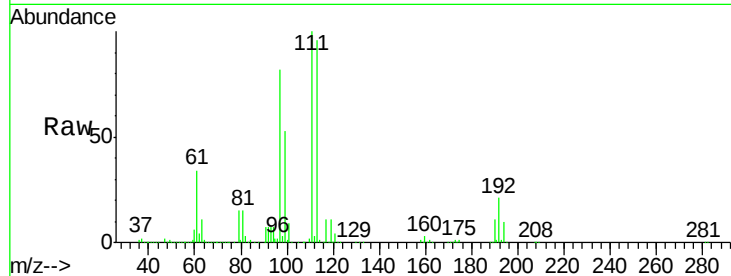
113 100

111 102.9 82.4 123.6

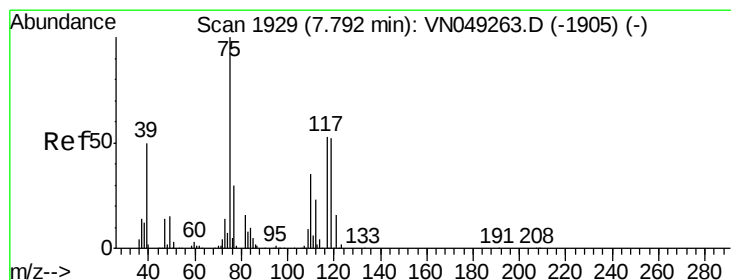
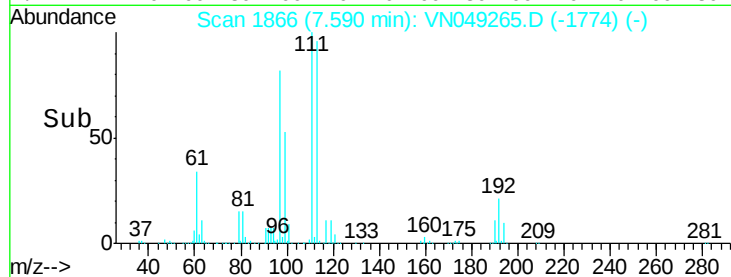
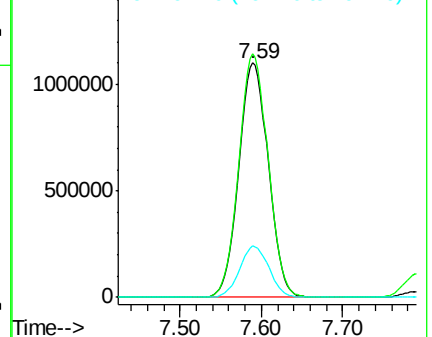
192 21.7 15.0 22.6

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 137.13 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

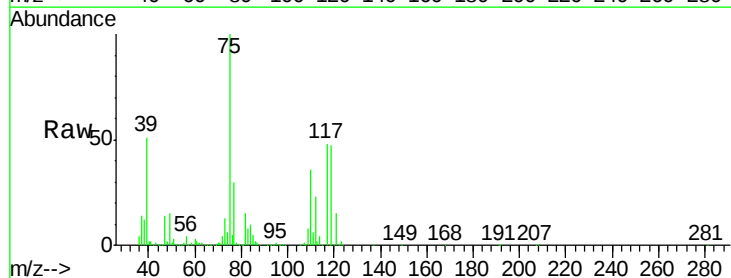
Tgt Ion: 75 Resp: 4074535

Ion Ratio Lower Upper

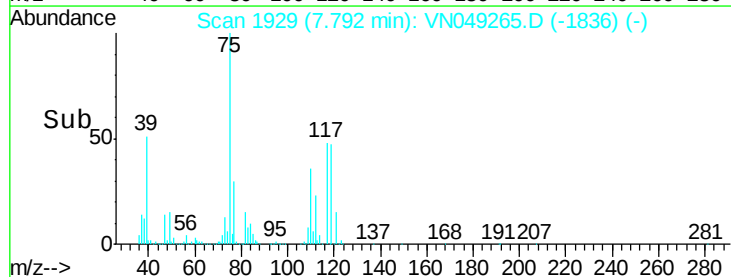
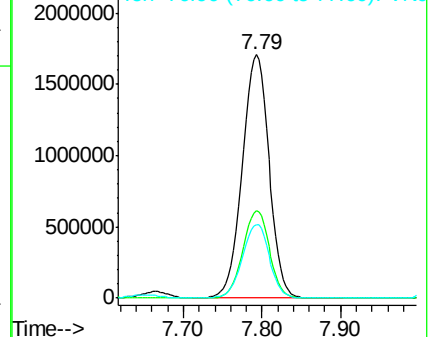
75 100

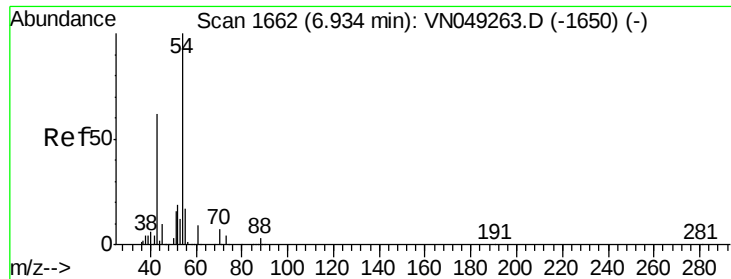
110 35.8 17.0 50.9

77 30.6 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





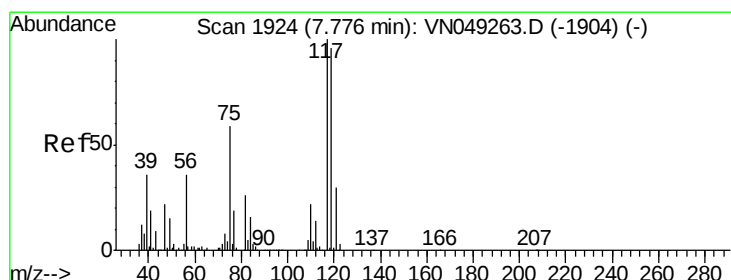
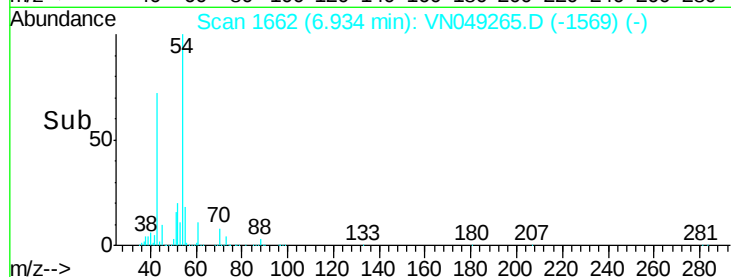
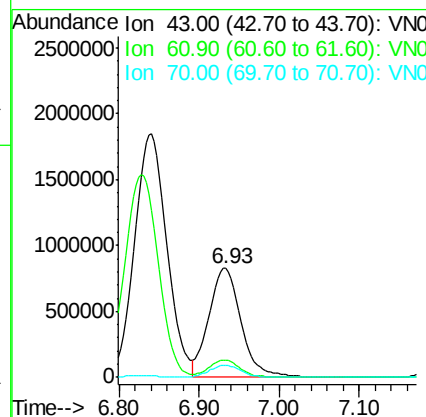
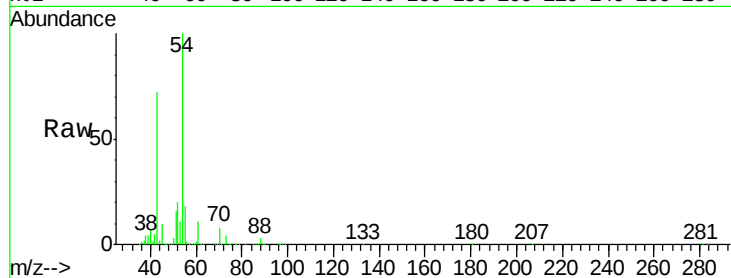
#37
Ethyl Acetate
Concen: 123.16 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.0	16.4
70	10.8	7.2	10.8

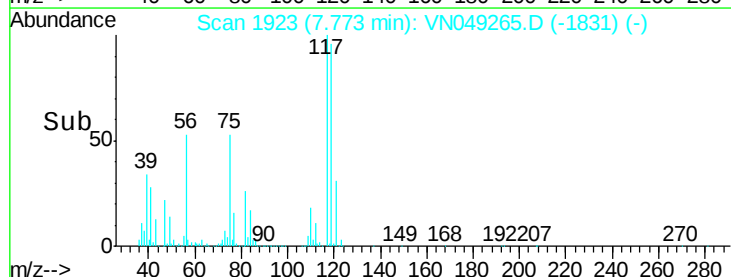
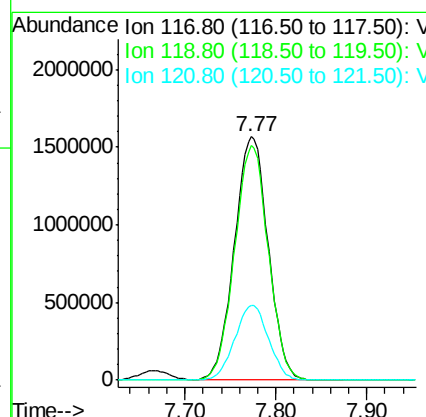
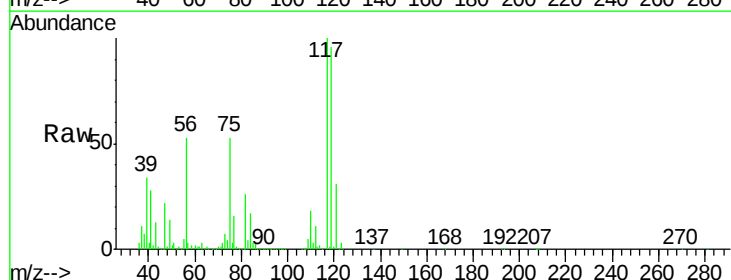
Manual Integrations
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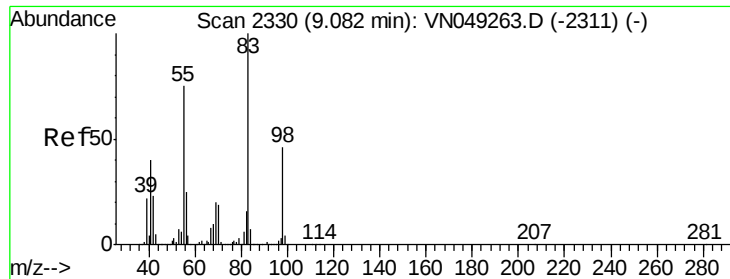
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#38
Carbon Tetrachloride
Concen: 134.86 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.6	113.4
121	30.7	24.7	37.1





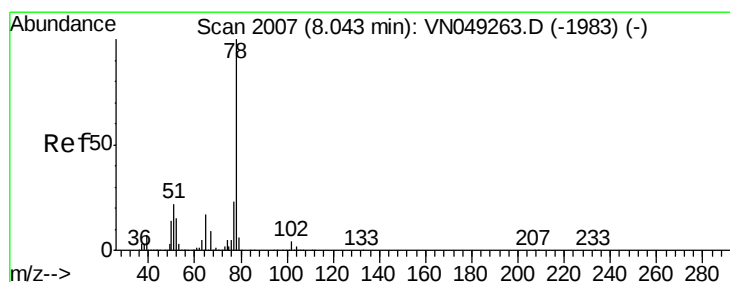
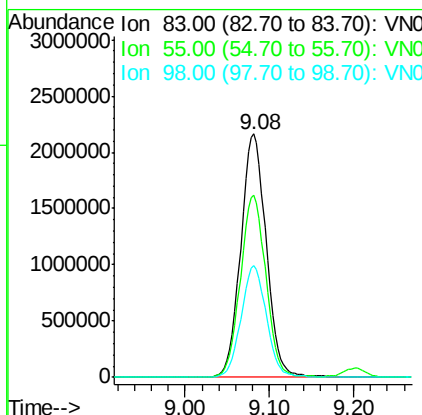
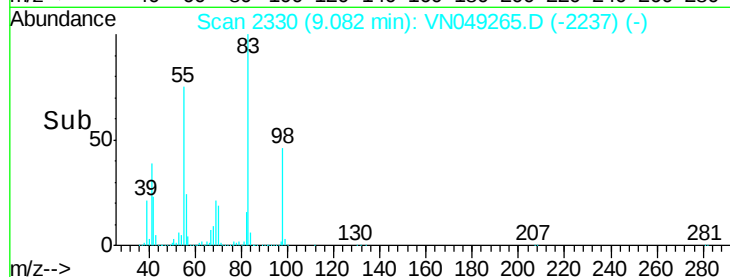
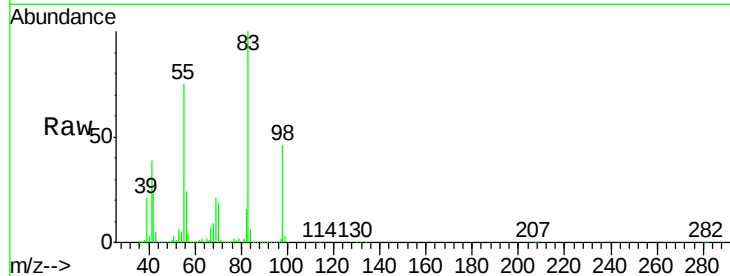
#39
Methvlcvclohexane
Concen: 148.95 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 4571870
Ion Ratio Lower Upper
83 100
55 74.6 65.1 97.7
98 45.7 36.5 54.7

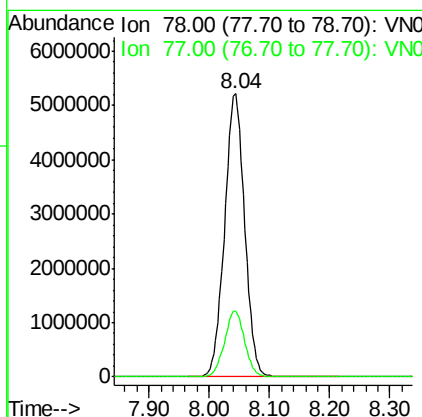
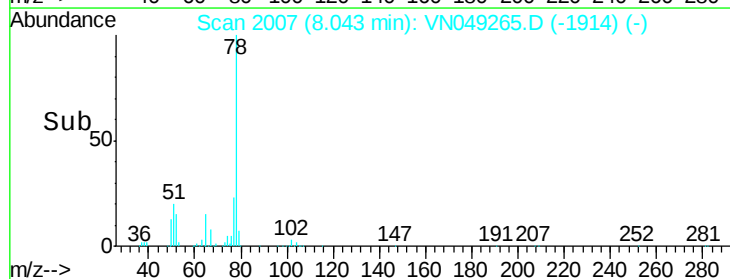
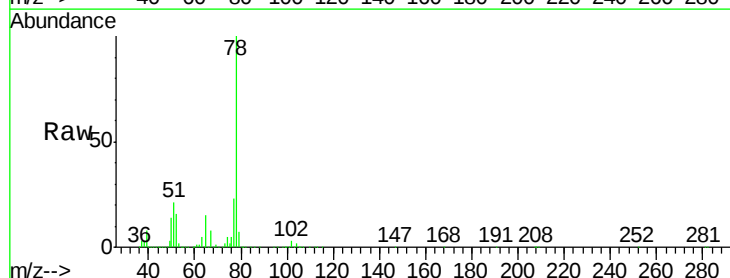
Manual Integrations
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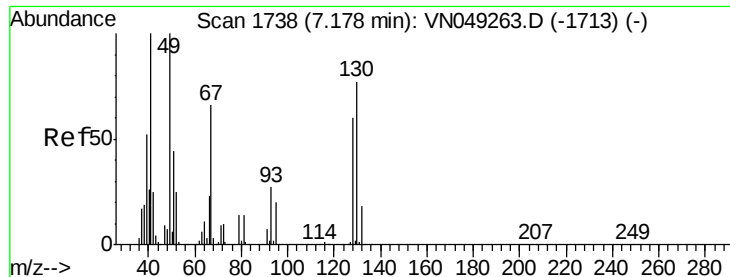
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#40
Benzene
Concen: 133.50 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Tgt Ion: 78 Resp: 12018499
Ion Ratio Lower Upper
78 100
77 23.3 19.4 29.0





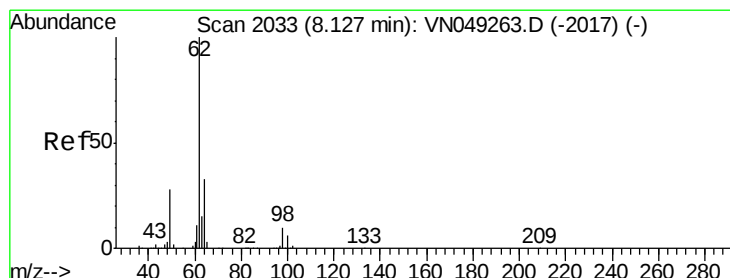
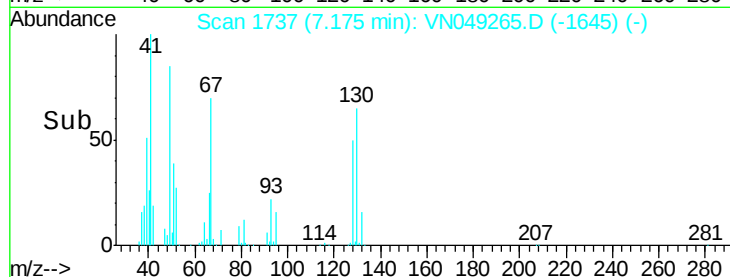
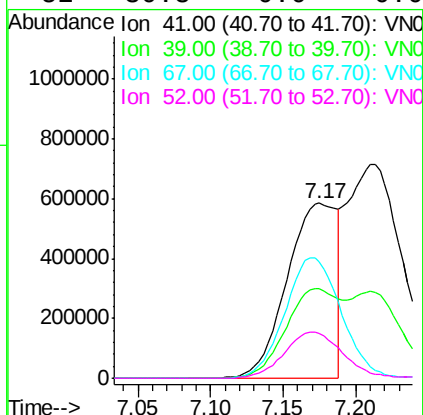
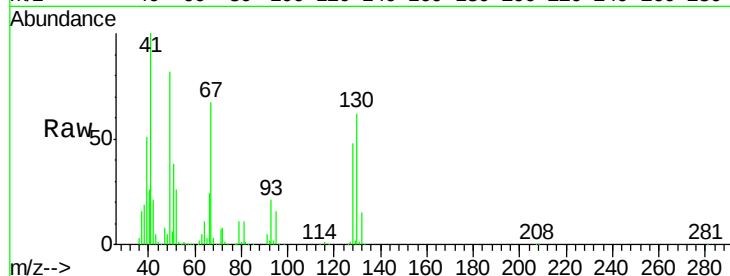
#41
Methacrylonitrile
Concen: 130.60 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.6	0.0	0.0#
67	78.9	0.0	0.0#
52	30.8	0.0	0.0#

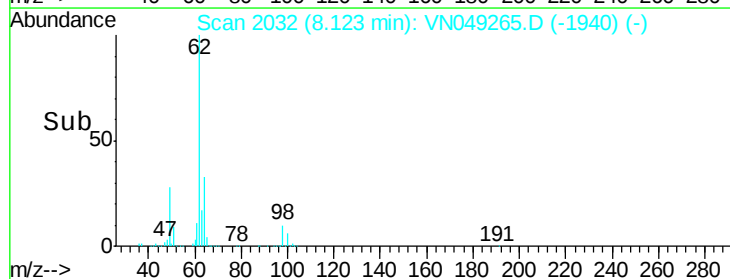
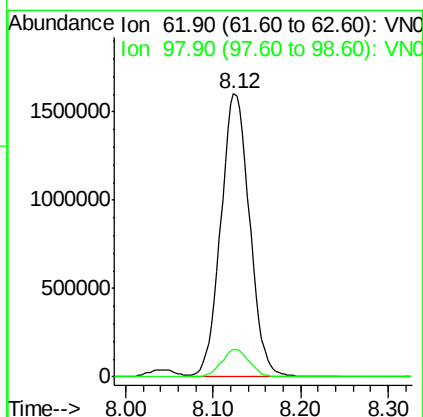
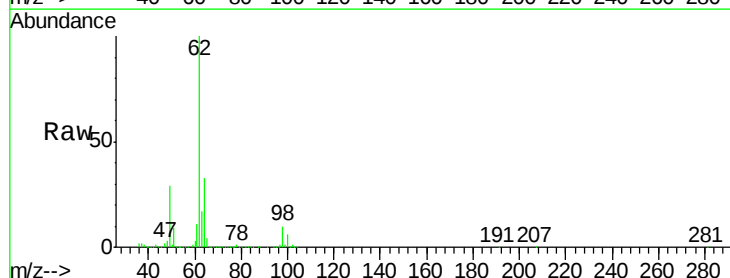
Manual Integrations
APPROVED

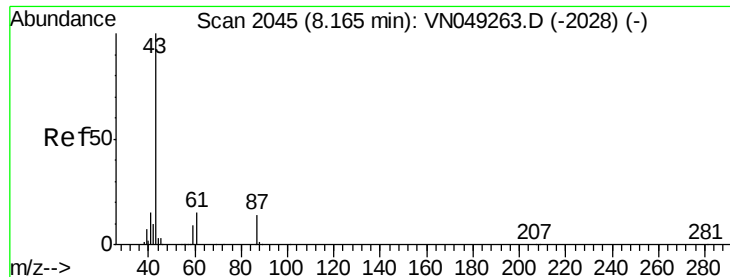
MMDadoda
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#42
1,2-Dichloroethane
Concen: 123.05 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	16.2





#43

Isopropyl Acetate

Concen: 124.24 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4284691

Ion Ratio Lower Upper

43 100

61 21.6 14.2 21.4#

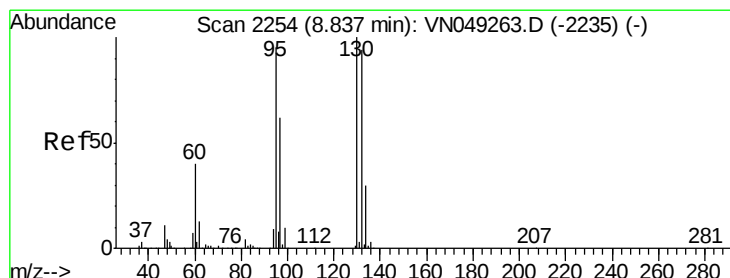
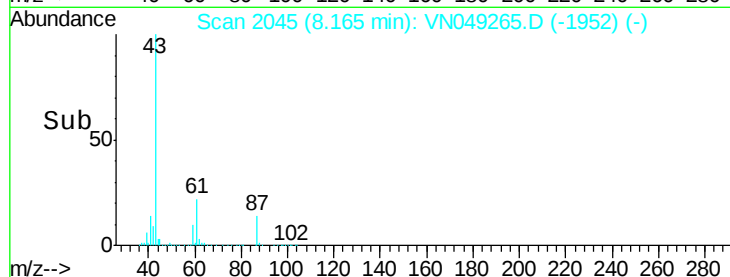
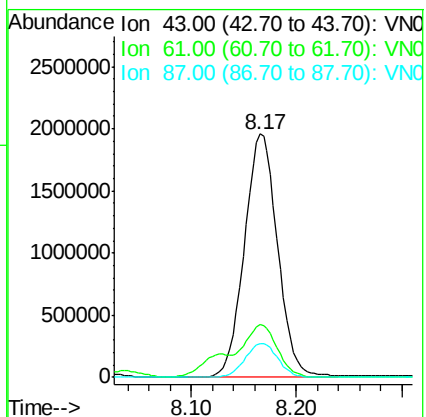
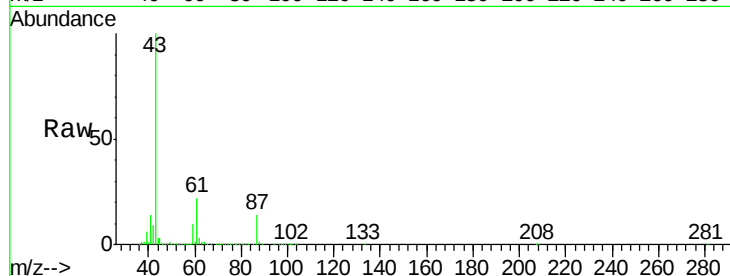
87 13.9 9.4 14.0

Manual Integrations

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#44

Trichloroethene

Concen: 142.23 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049265.D

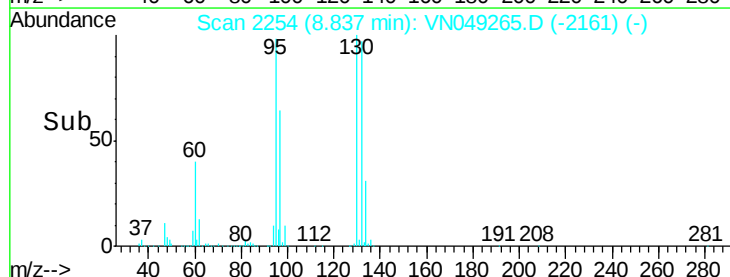
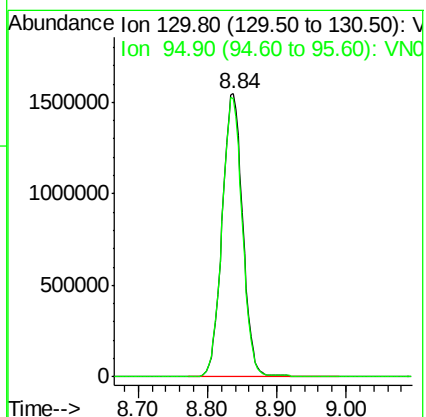
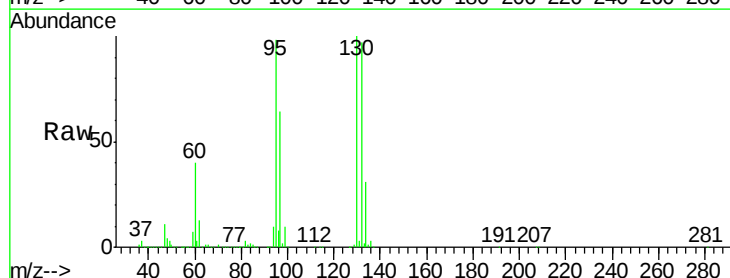
Acq: 15 Jun 2018 16:10

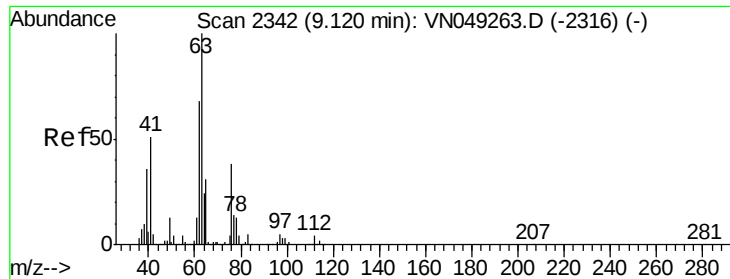
Tgt Ion:130 Resp: 3197276

Ion Ratio Lower Upper

130 100

95 98.3 0.0 208.6





#45

1,2-Dichloropropane

Concen: 126.99 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 3144411

Ion Ratio Lower Upper

63 100

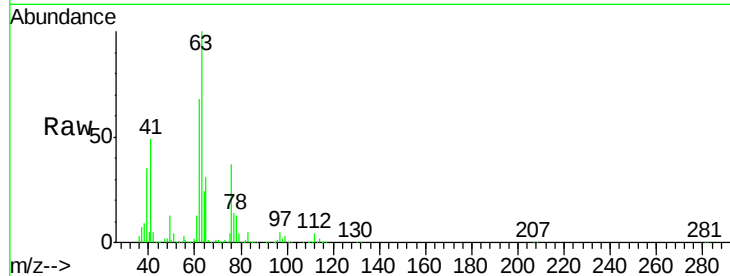
65 31.0 24.8 37.2

Manual Integrations

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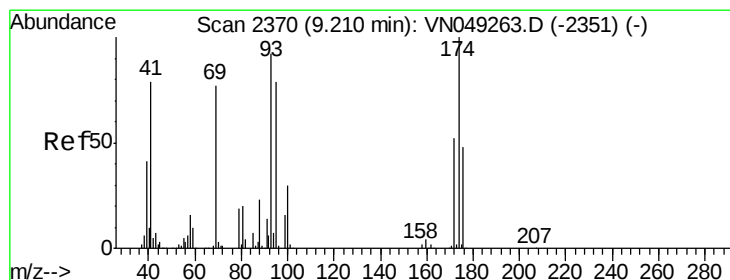
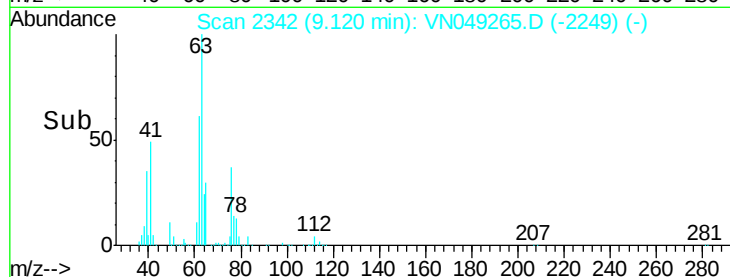
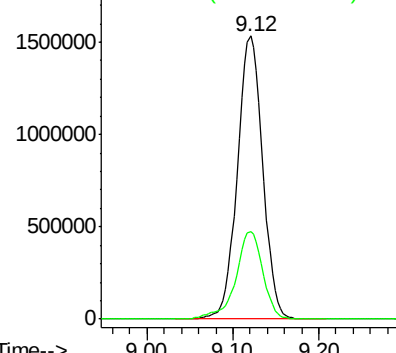
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 132.95 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

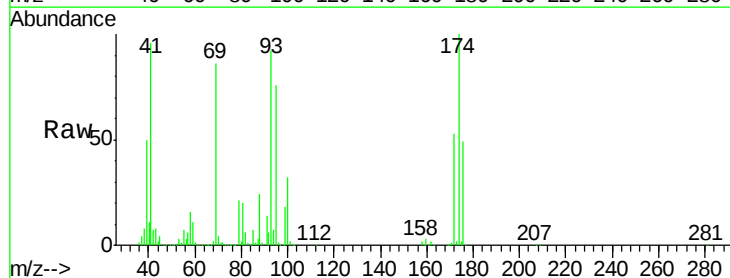
Tgt Ion: 93 Resp: 1818644

Ion Ratio Lower Upper

93 100

95 83.4 67.2 100.8

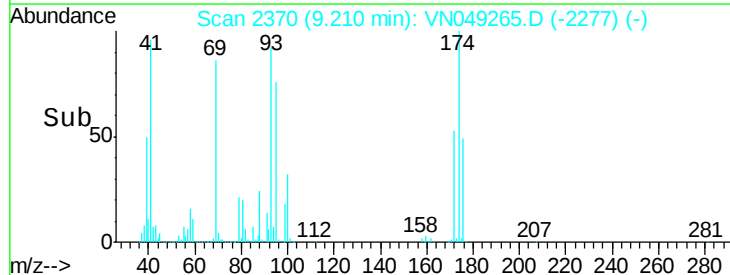
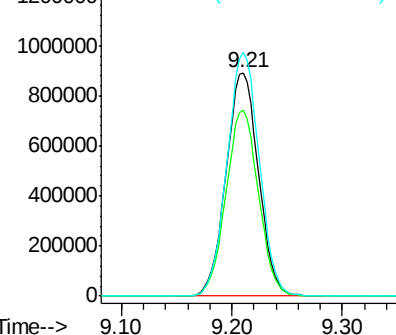
174 108.6 75.6 113.4

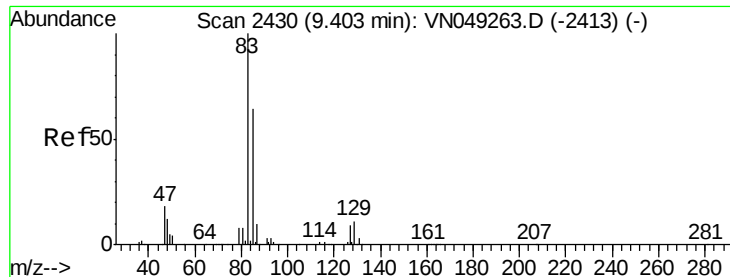


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 131.37 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 4047621

Ion Ratio Lower Upper

83 100

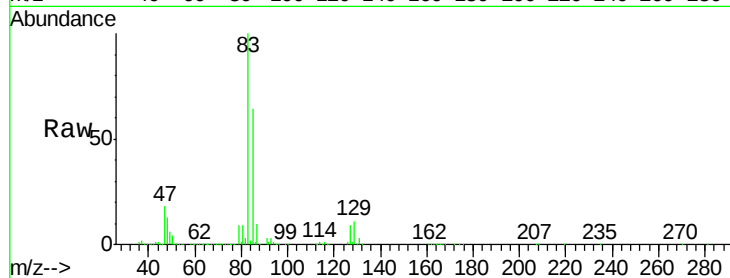
85 63.8 49.4 74.0

127 8.7 6.3 9.5

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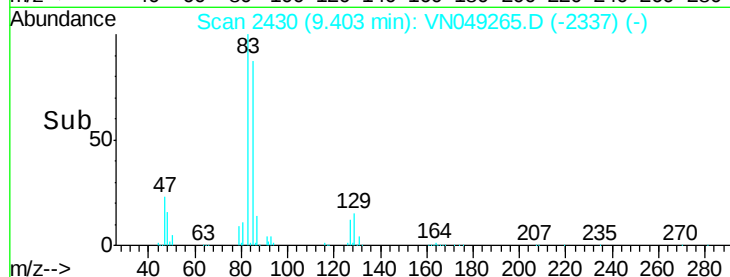


Abundance Ion 82.90 (82.60 to 83.60): VN049265.D (-2337) (-)

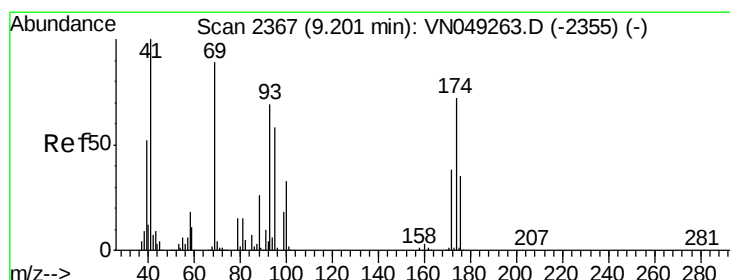
Ion 84.90 (84.60 to 85.60): VN049265.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049265.D (-2337) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 128.62 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

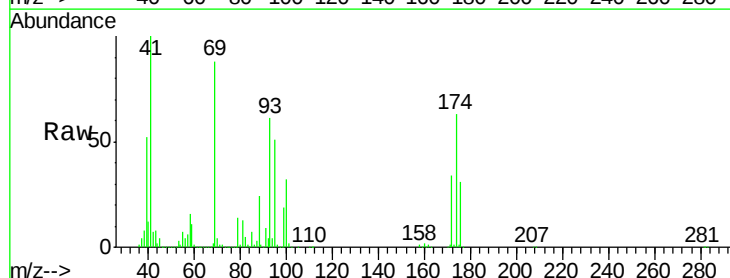
Tgt Ion: 41 Resp: 2167514

Ion Ratio Lower Upper

41 100

69 91.4 62.0 93.0

39 54.5 50.6 75.8

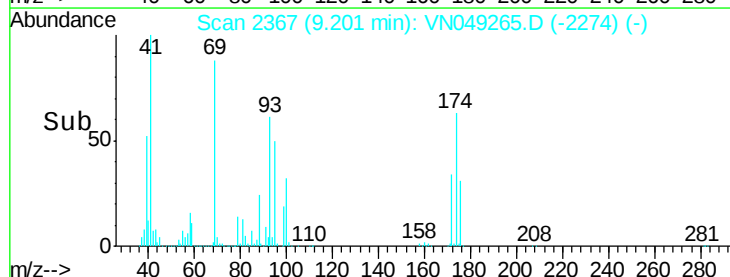


Abundance Ion 41.00 (40.70 to 41.70): VN049265.D (-2274) (-)

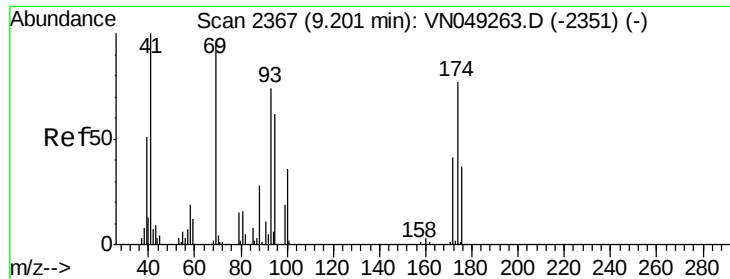
Ion 69.00 (68.70 to 69.70): VN049265.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049265.D (-2274) (-)

Time-->



Time-->



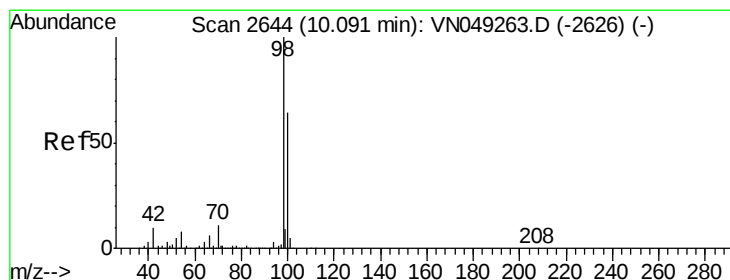
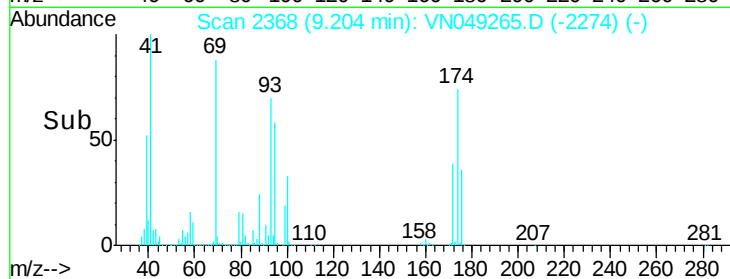
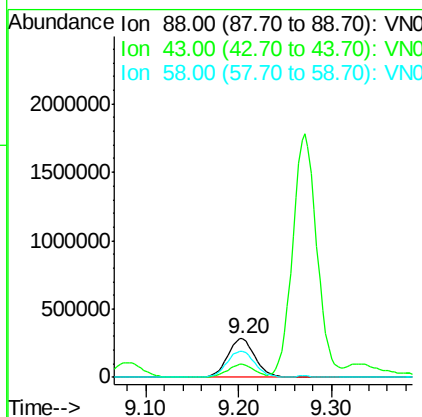
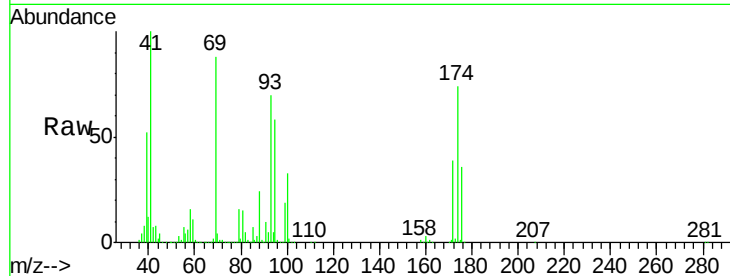
#49
1,4-Dioxane
Concen: 2919.38 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	30.9	46.3
58	68.5	58.9	88.3

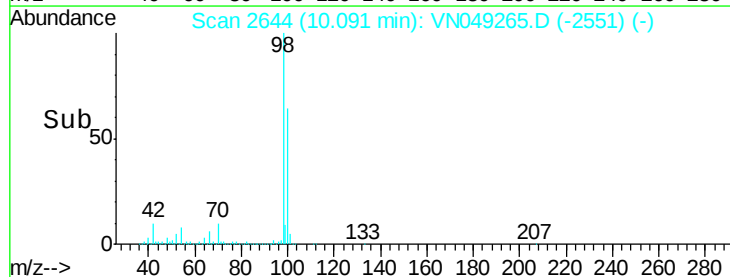
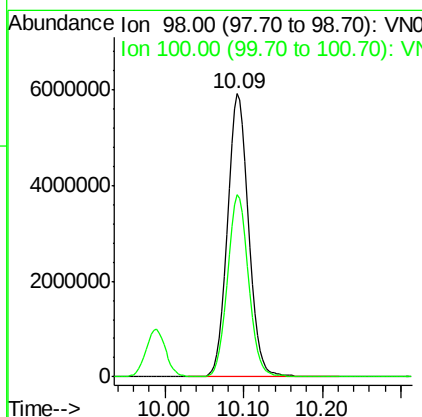
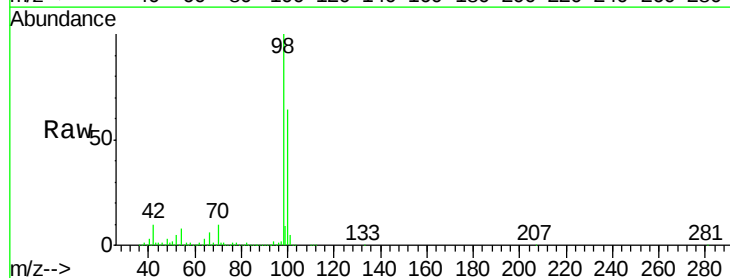
Manual Integrations
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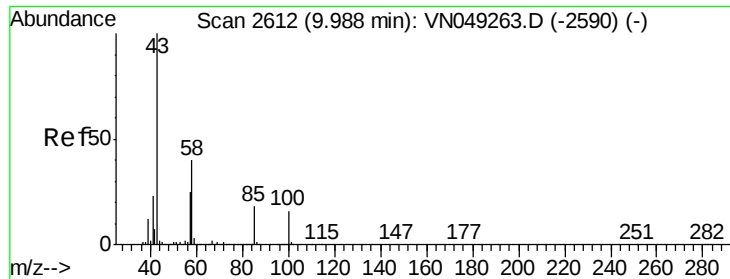
MMDadoda
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#50
Toluene-d8
Concen: 142.63 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 630.75 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 11584960

Ion Ratio Lower Upper

43 100

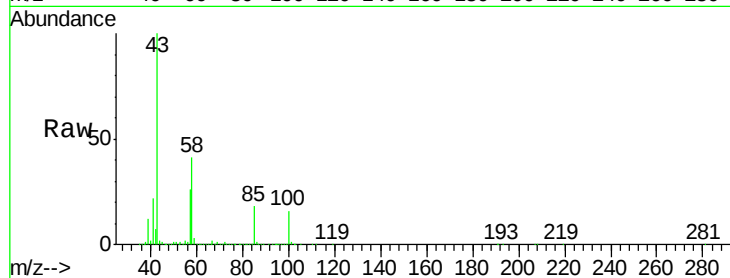
58 40.7 29.0 43.6

Manual Integrations

APPROVED

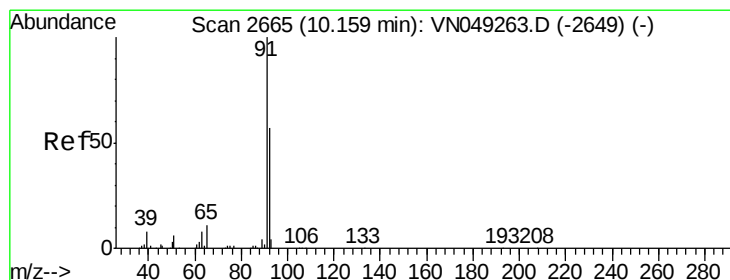
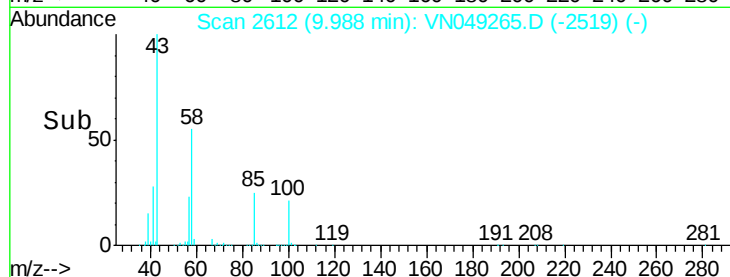
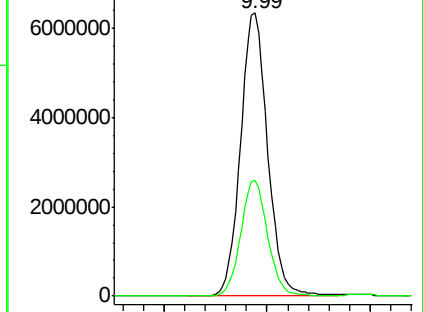
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2590) (-)



#52

Toluene

Concen: 142.98 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049265.D

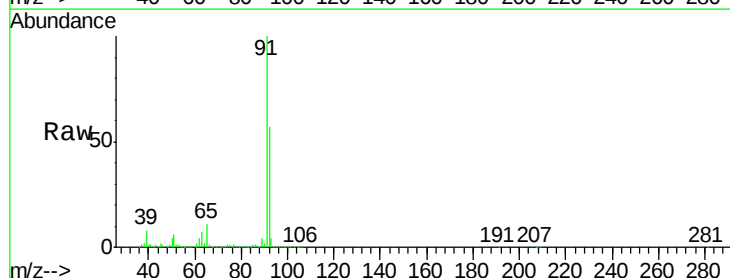
Acq: 15 Jun 2018 16:10

Tgt Ion: 92 Resp: 7488995

Ion Ratio Lower Upper

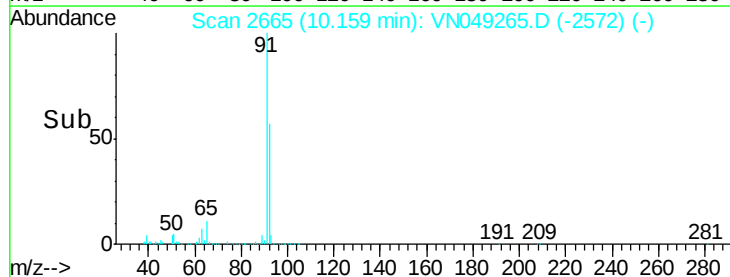
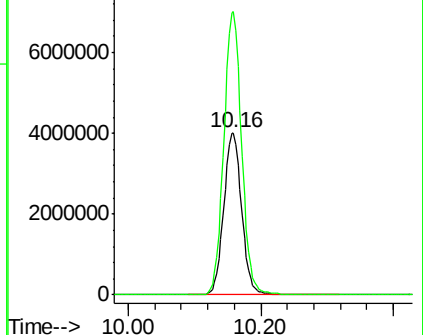
92 100

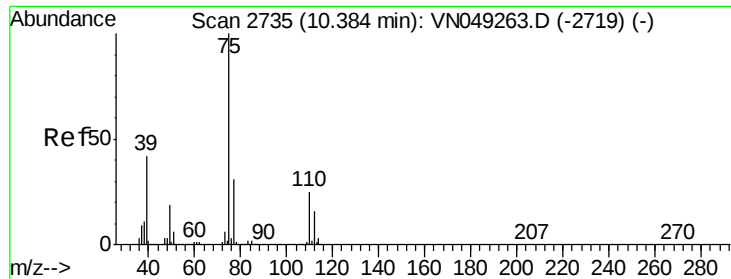
91 174.3 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049263.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049263.D (-2649) (-)





#53

t-1,3-Dichloropropene

Concen: 148.43 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 75 Resp: 4348076

Ion Ratio Lower Upper

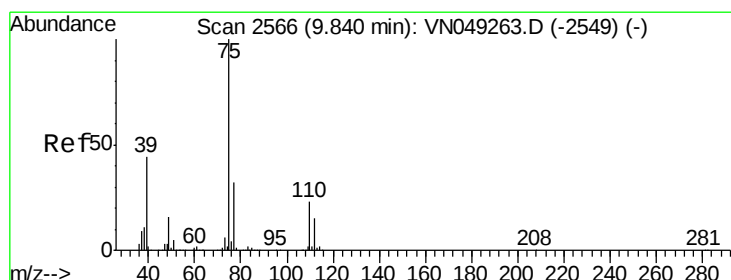
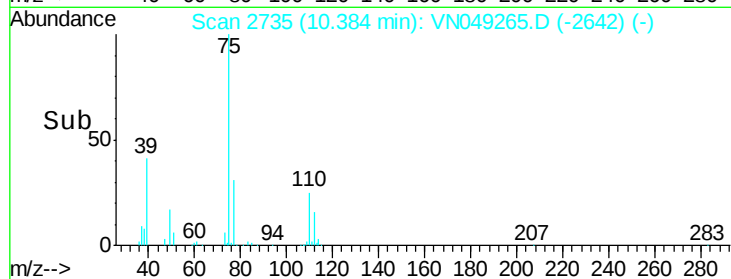
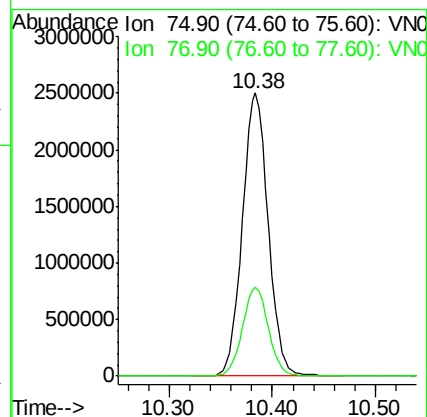
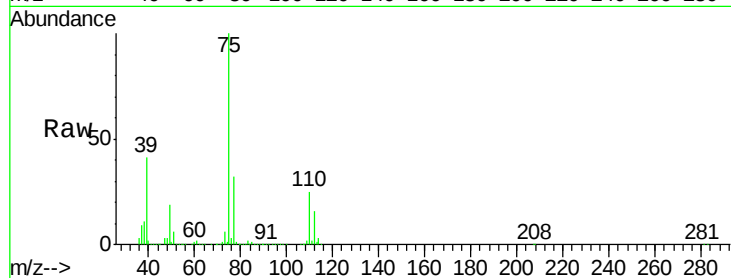
75 100

77 31.4 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 145.46 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

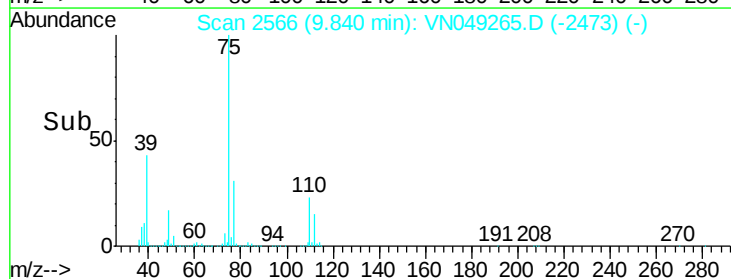
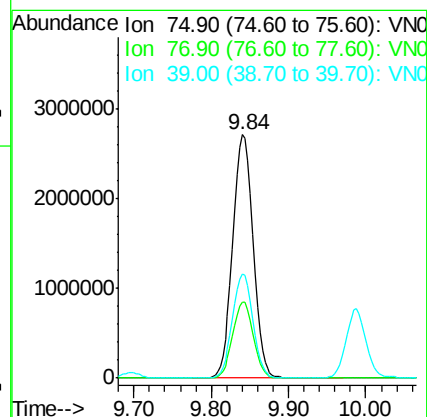
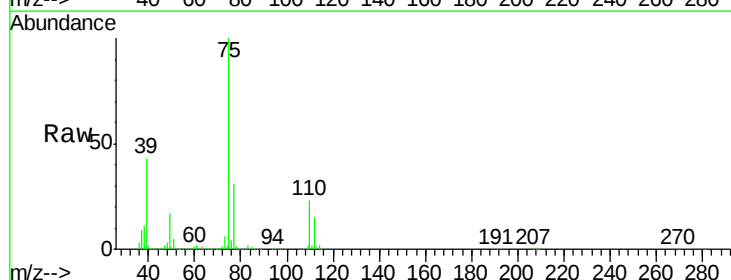
Tgt Ion: 75 Resp: 4937653

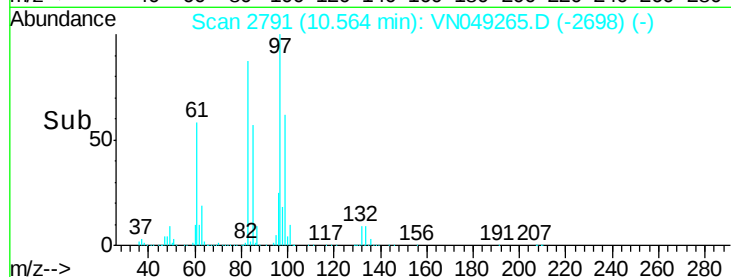
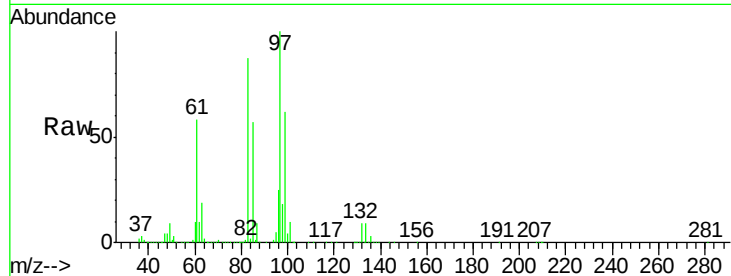
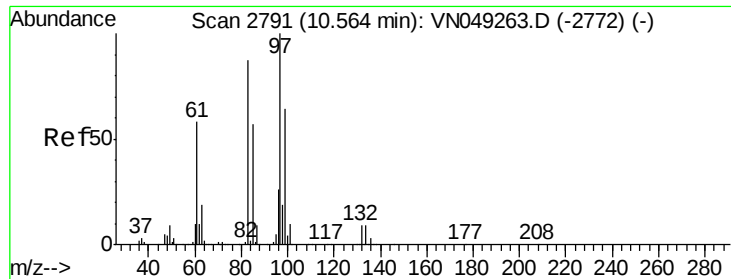
Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 43.0 45.1 67.7#





#55
 1,1,2-Trichloroethane
 Concen: 136.32 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049265.D
 Acq: 15 Jun 2018 16:10

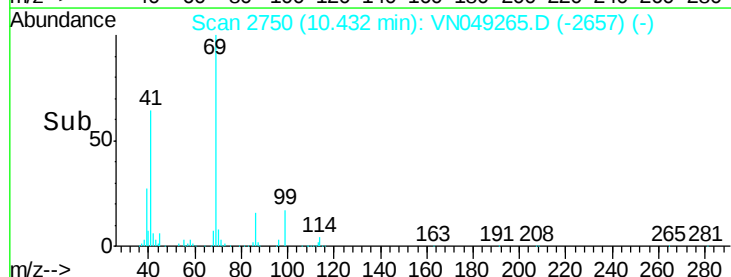
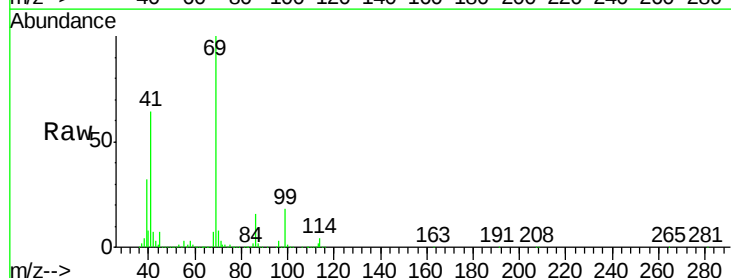
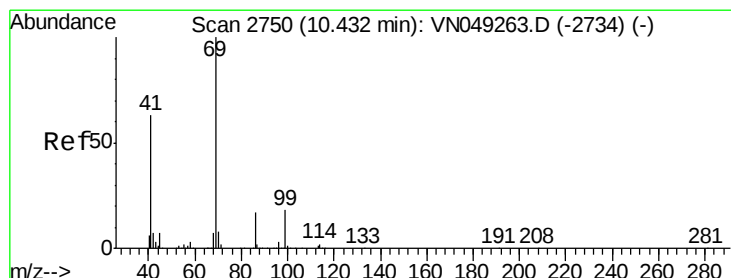
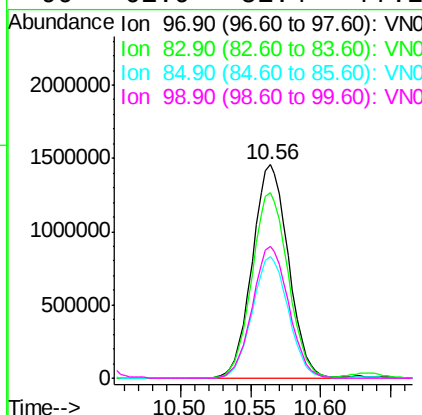
Tot Ion: 97 Resp: 2620275

Ion	Ratio	Lower	Upper
97	100		
83	86.8	71.5	107.3
85	56.7	47.0	70.4
99	61.9	51.4	77.2

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
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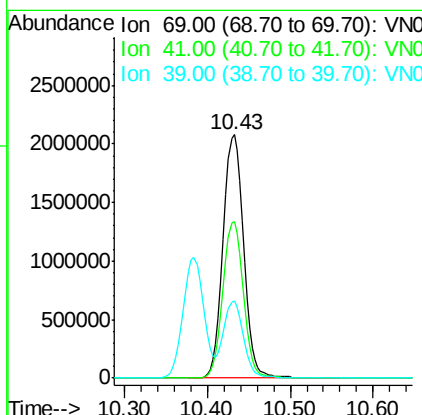
MMDadoda
 6/18/2018 3:16:13 PM

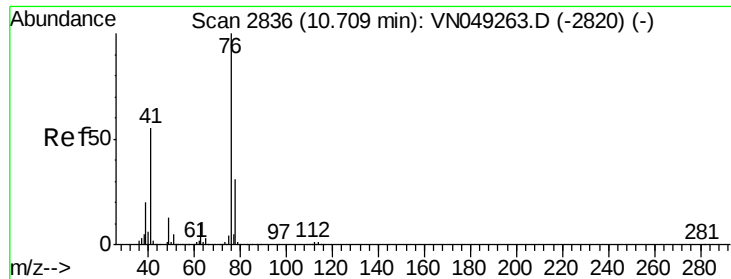


#56
 Ethyl methacrylate
 Concen: 154.38 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049265.D
 Acq: 15 Jun 2018 16:10

Tgt Ion: 69 Resp: 3577382

Ion	Ratio	Lower	Upper
69	100		
41	63.9	58.4	87.6
39	30.6	35.5	53.3#





#57

1,3-Dichloropropane

Concen: 137.38 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampled :

VSTDICC150

Tot Ion: 76 Resp: 4528361

Ion Ratio Lower Upper

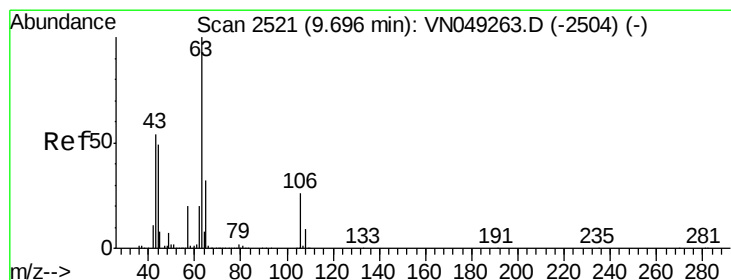
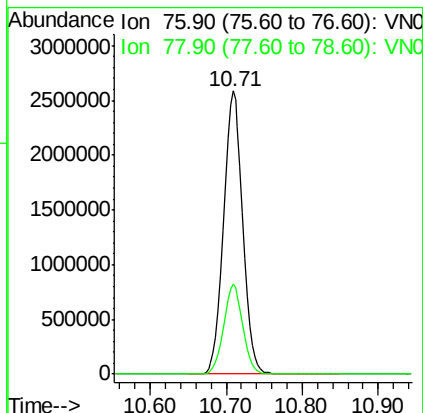
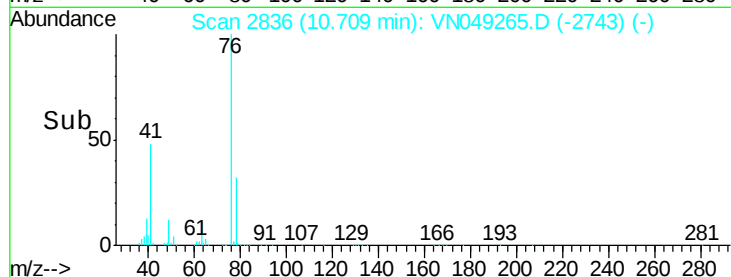
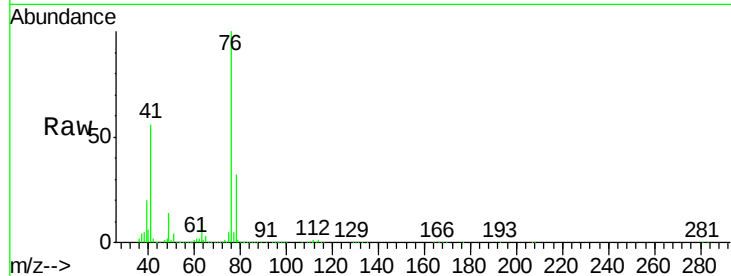
76 100

78 31.7 26.3 39.5

Manual Integrations
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6/18/2018 3:16:13 PM



#58

2-Chloroethyl Vinyl ether

Concen: 783.44 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049265.D

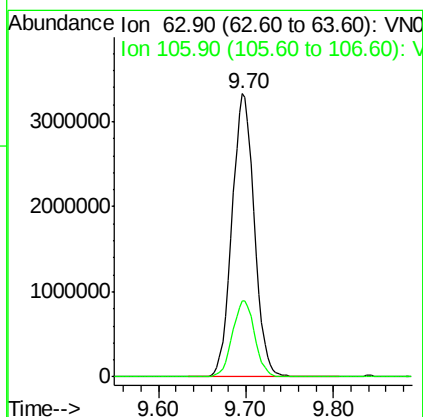
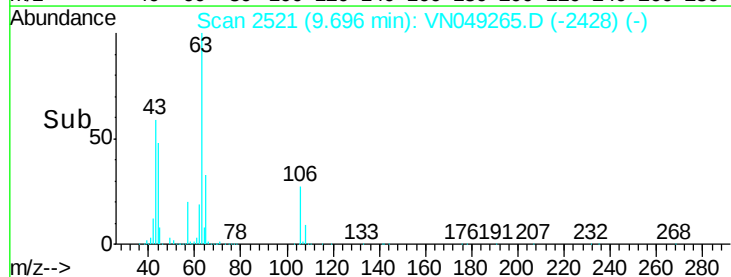
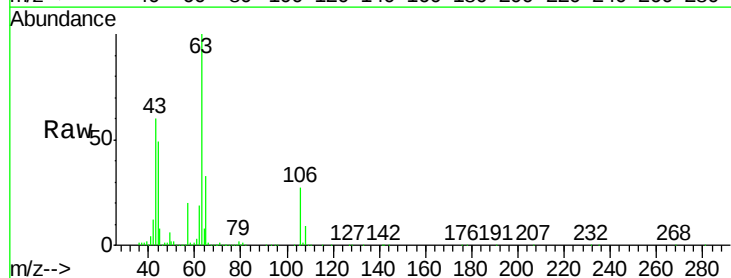
Acq: 15 Jun 2018 16:10

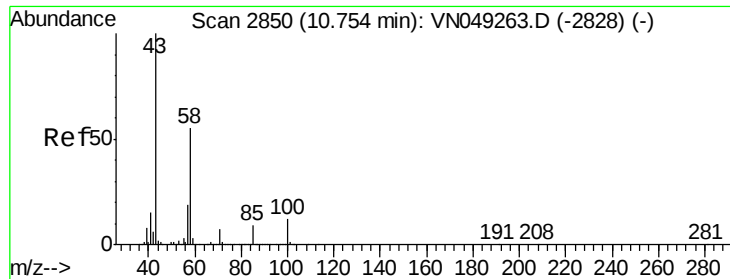
Tgt Ion: 63 Resp: 5881900

Ion Ratio Lower Upper

63 100

106 26.9 19.4 29.2





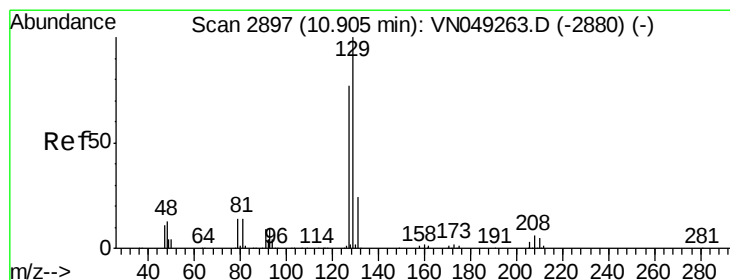
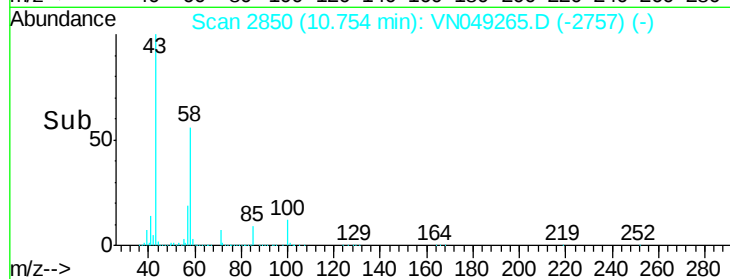
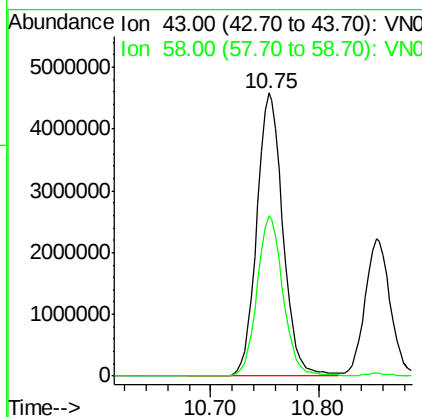
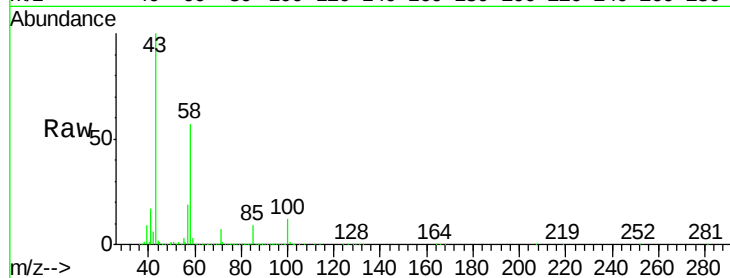
#59
2-Hexanone
Concen: 669.65 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 7663876
Ion Ratio Lower Upper
43 100
58 56.4 25.2 75.6

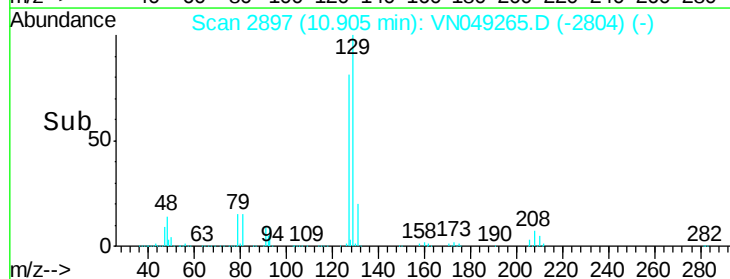
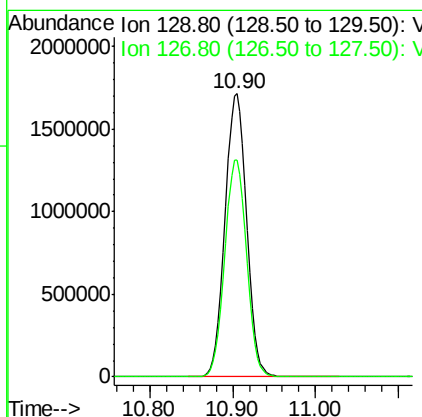
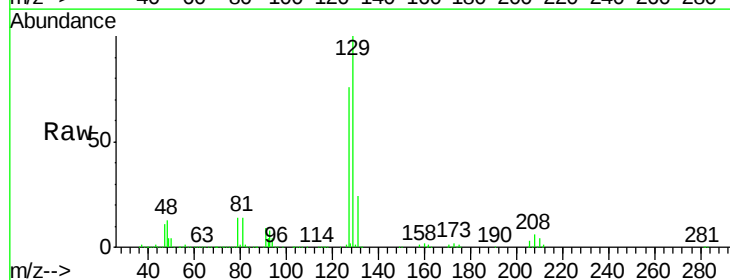
Manual Integrations
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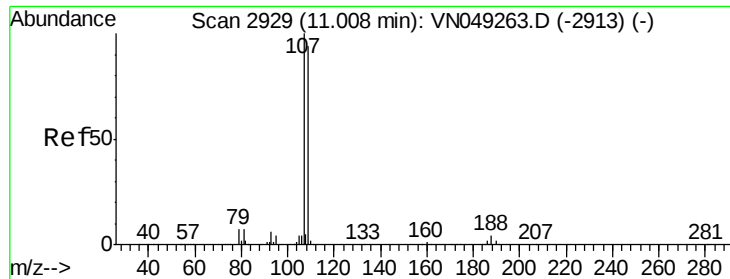
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#60
Dibromochloromethane
Concen: 145.47 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Tgt Ion: 129 Resp: 3100964
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.2





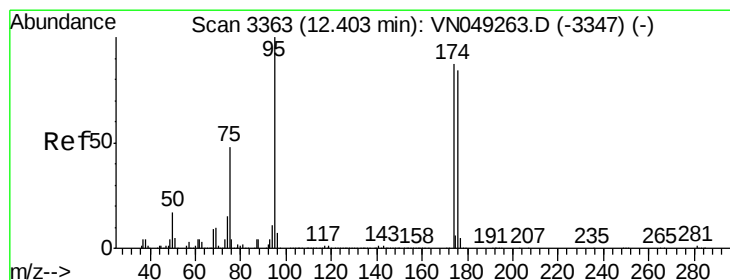
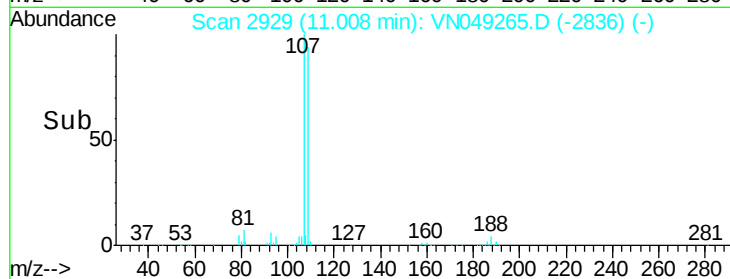
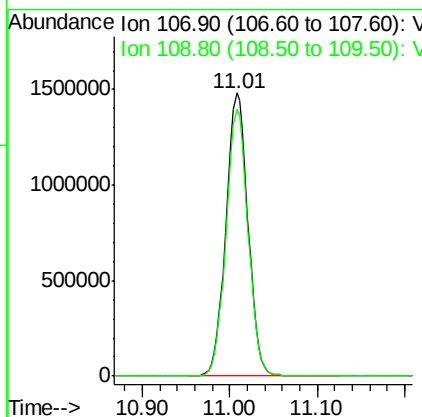
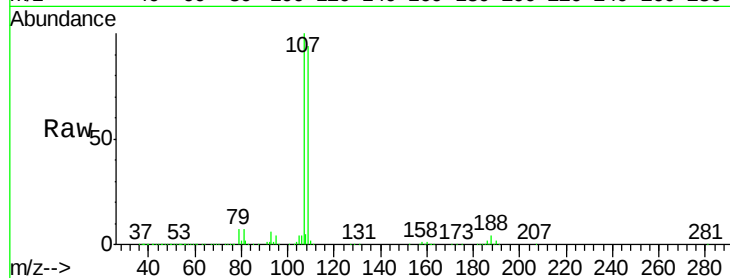
#61
 1,2-Dibromoethane
 Concen: 145.90 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049265.D
 Acq: 15 Jun 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:107 Resp: 2593805
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.4 113.2

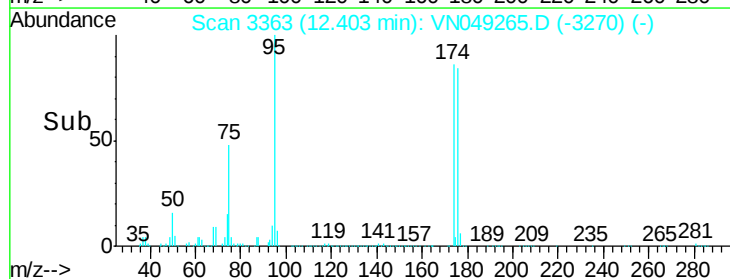
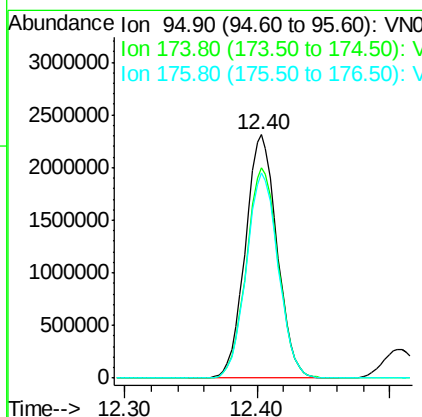
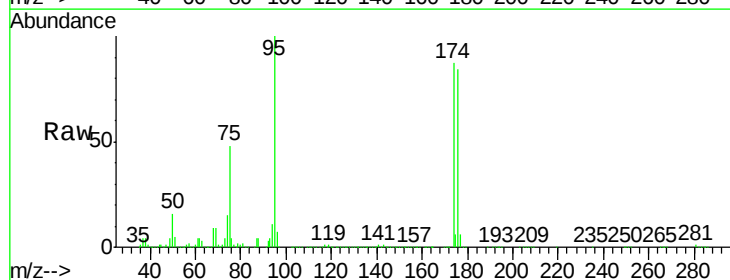
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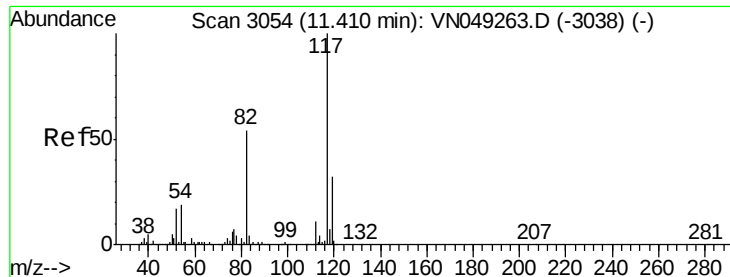
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#62
 4-Bromofluorobenzene
 Concen: 151.11 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049265.D
 Acq: 15 Jun 2018 16:10

Tgt Ion: 95 Resp: 3840354
 Ion Ratio Lower Upper
 95 100
 174 87.2 0.0 165.6
 176 84.7 0.0 157.4





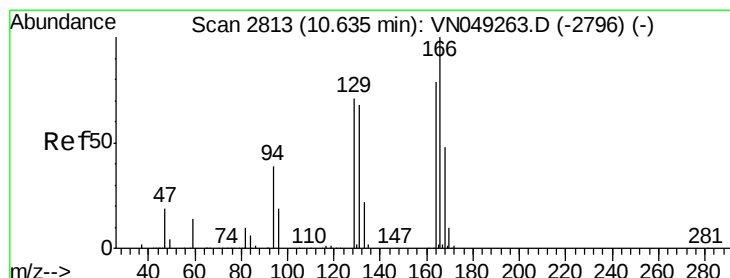
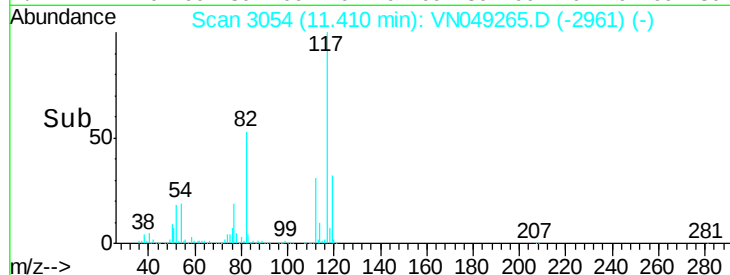
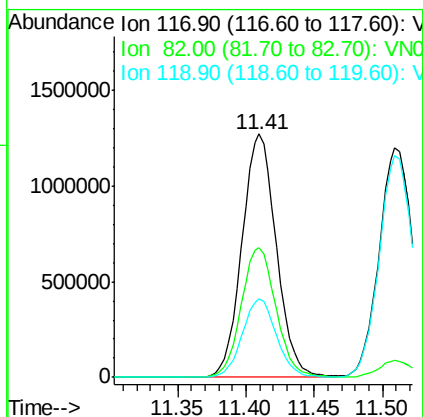
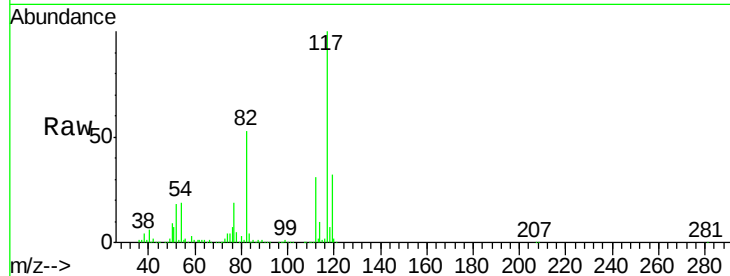
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	45.9	68.9
119	32.2	25.5	38.3

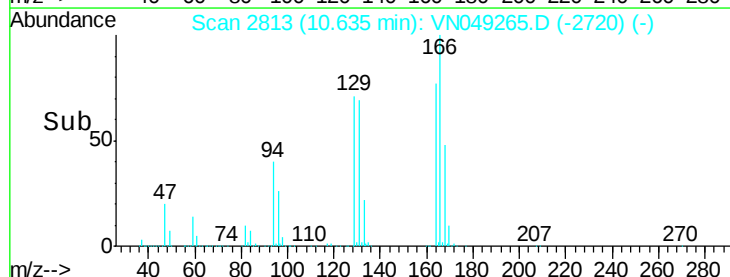
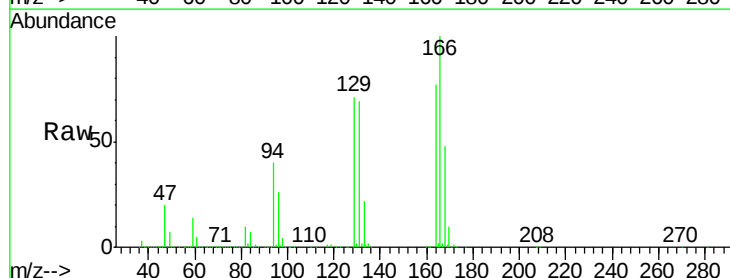
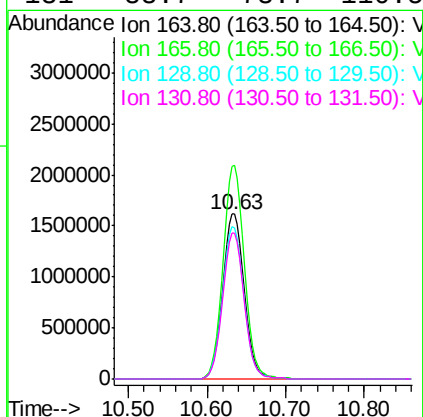
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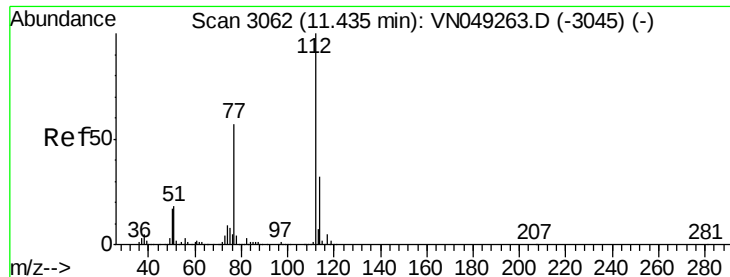
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#64
Tetrachloroethene
Concen: 136.34 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	101.4	152.2
129	91.8	74.1	111.1
131	88.7	73.7	110.5





#65

Chlorobenzene

Concen: 144.77 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 8308693

Ion Ratio Lower Upper

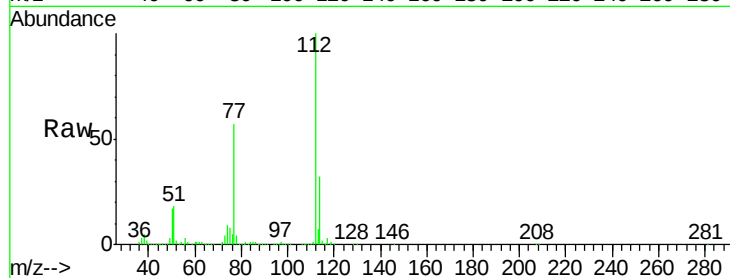
112 100

114 31.8 26.2 39.4

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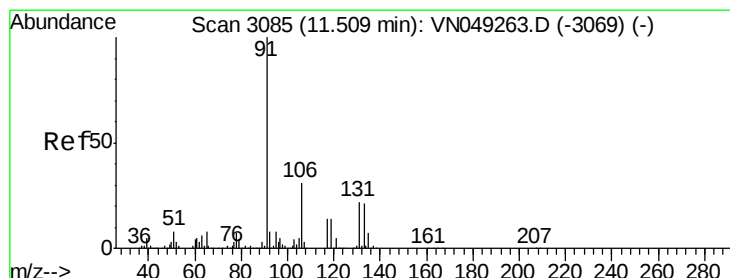
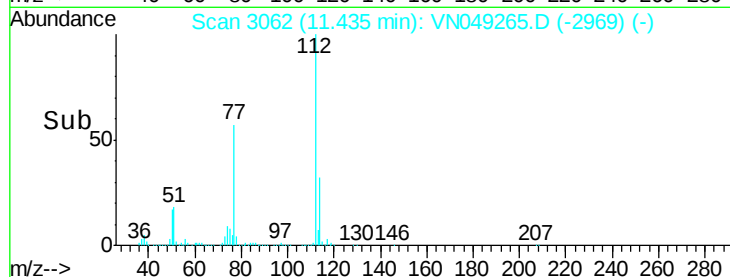
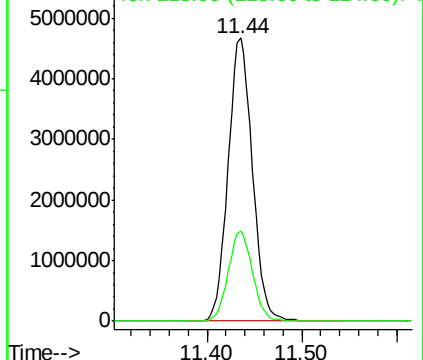
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 140.01 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

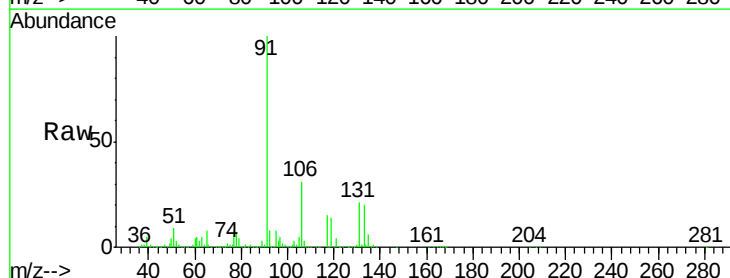
Tgt Ion:131 Resp: 3056330

Ion Ratio Lower Upper

131 100

133 95.0 48.0 144.2

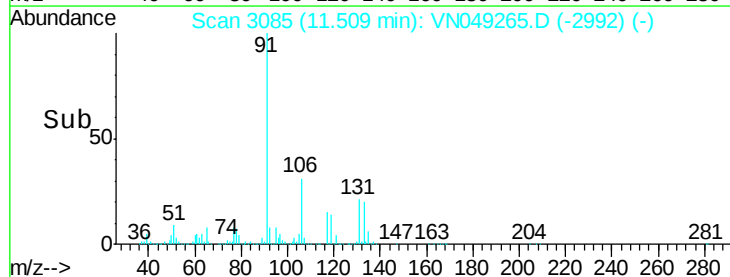
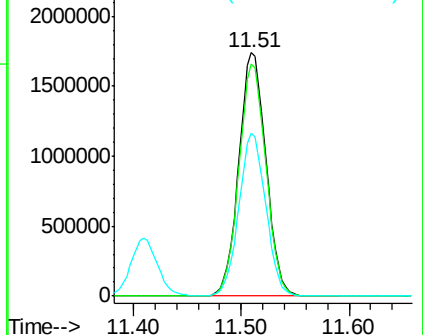
119 66.2 33.6 100.8

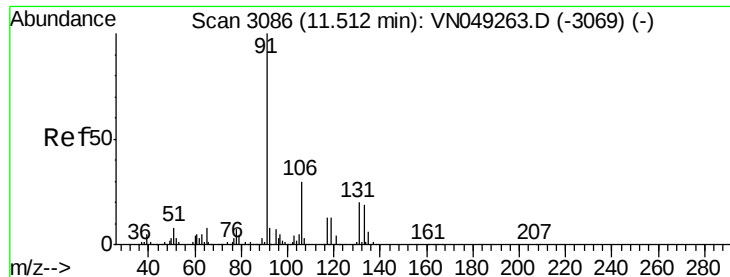


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 146.25 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp:14479963

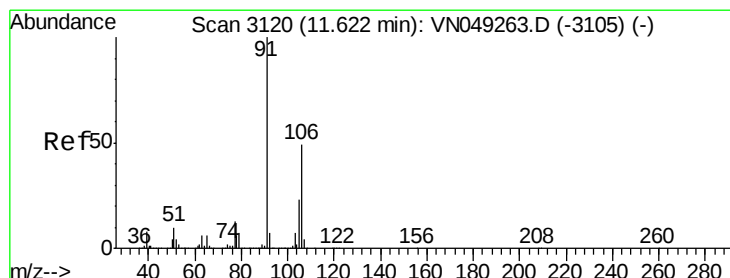
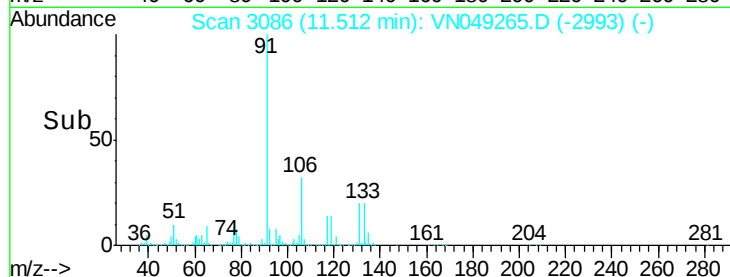
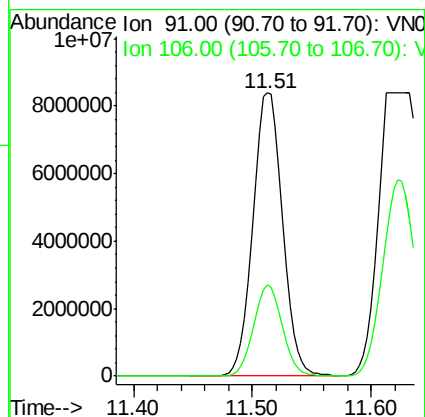
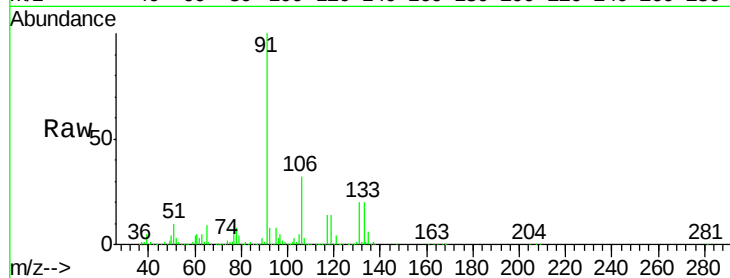
Ion Ratio Lower Upper

91 100

106 32.2 23.9 35.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 307.50 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049265.D

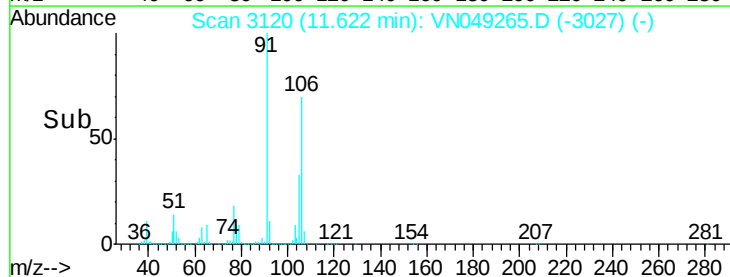
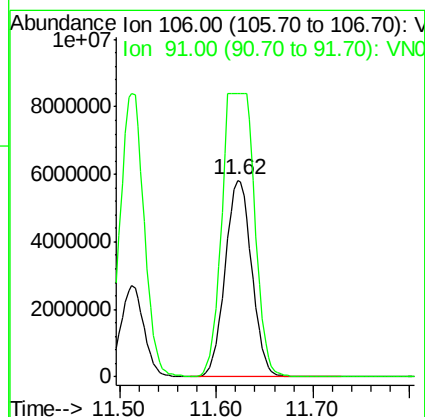
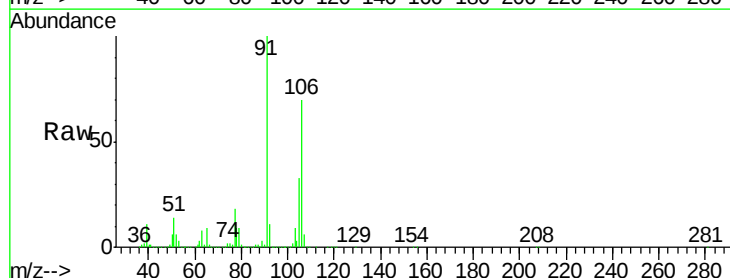
Acq: 15 Jun 2018 16:10

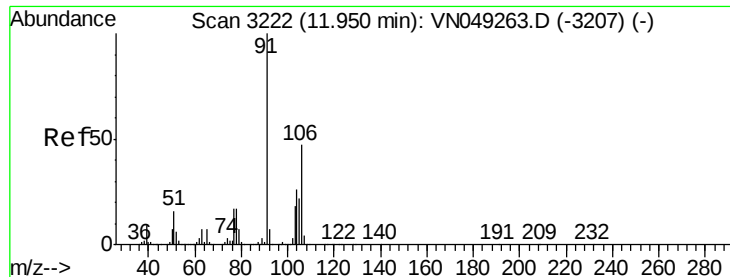
Tgt Ion:106 Resp:11133280

Ion Ratio Lower Upper

106 100

91 0.0 167.3 250.9#





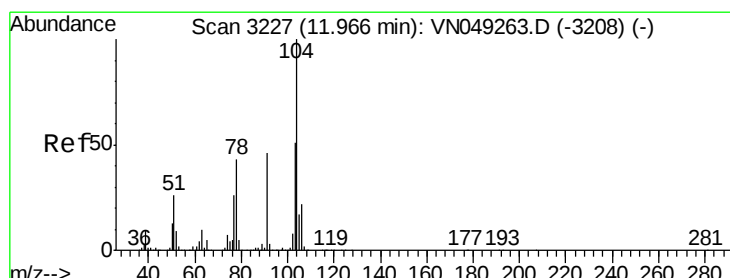
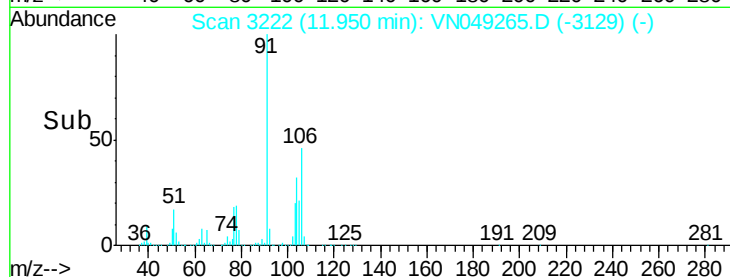
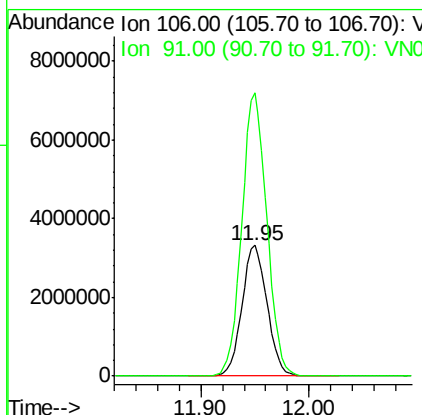
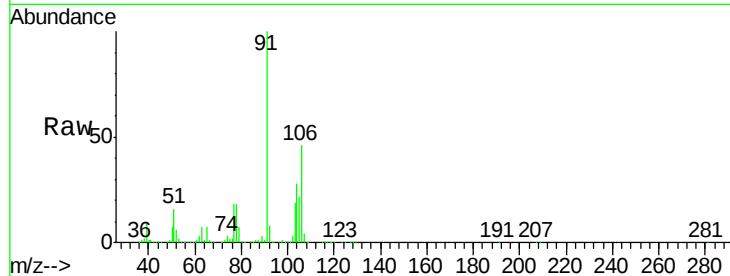
#69
o-Xylene
Concen: 154.08 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 5372541
Ion Ratio Lower Upper
106 100
91 216.2 111.0 333.0

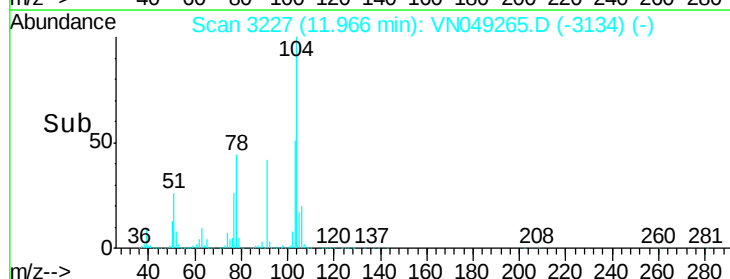
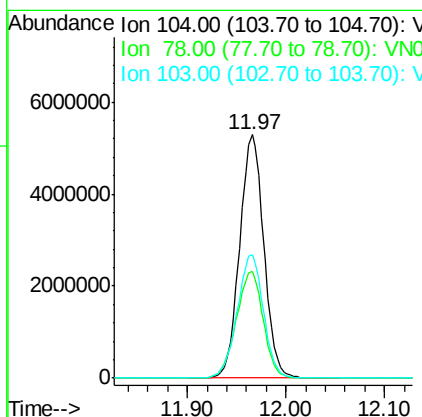
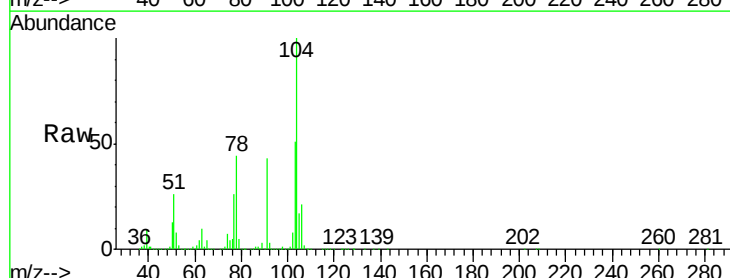
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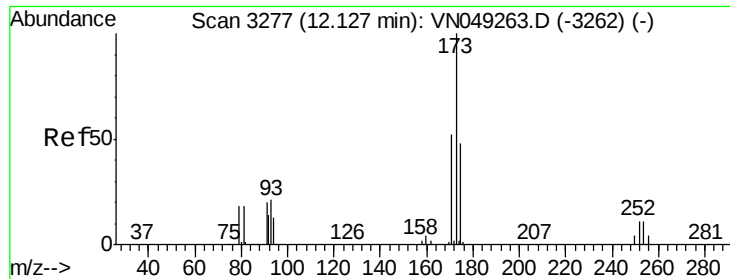
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#70
Styrene
Concen: 162.23 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Tgt Ion:104 Resp: 8955383
Ion Ratio Lower Upper
104 100
78 48.8 41.6 62.4
103 55.2 45.4 68.2





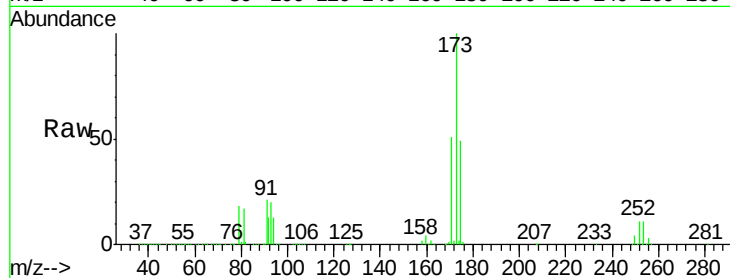
#71
Bromoform
Concen: 156.82 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

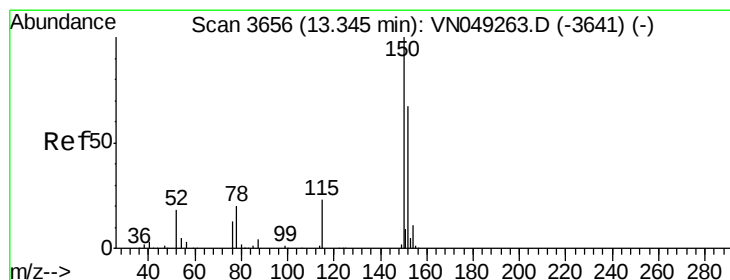
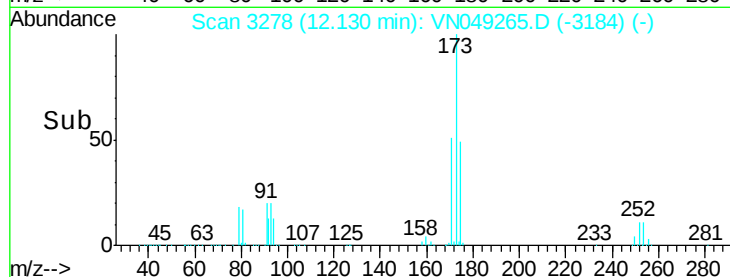
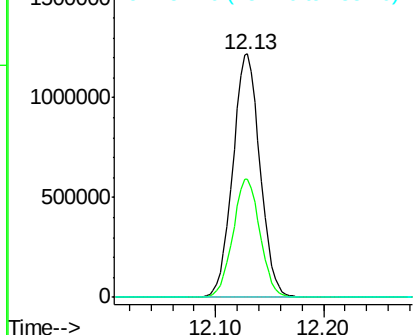
Tot Ion:173 Resp: 2139619
Ion Ratio Lower Upper
173 100
175 48.5 24.5 73.5
254 0.1 0.1 0.1#

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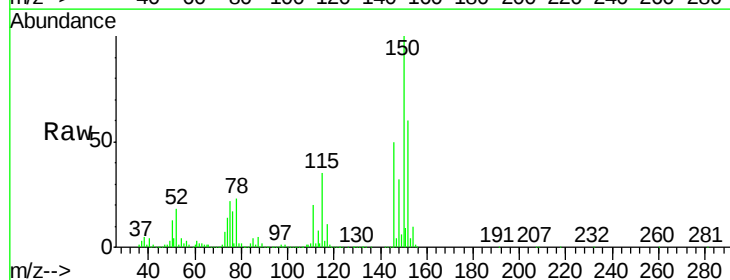


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

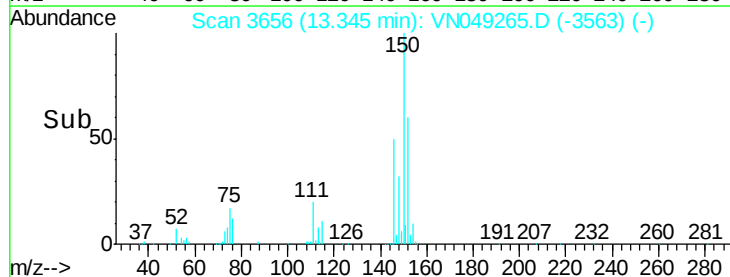
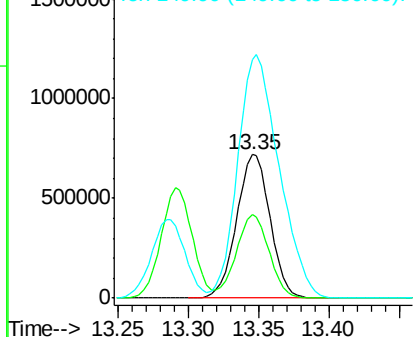


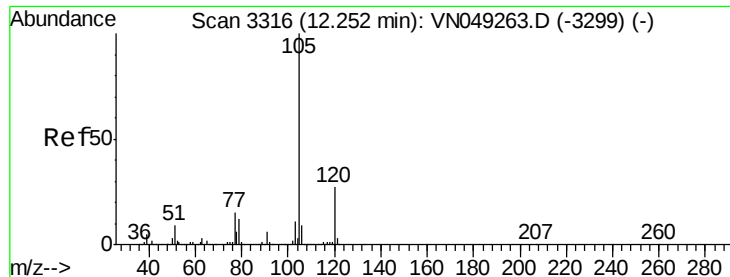
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Tgt Ion:152 Resp: 1191845
Ion Ratio Lower Upper
152 100
115 56.7 28.7 86.1
150 209.9 0.0 351.0



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





#73

Isopropylbenzene

Concen: 123.49 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp:14136580

Ion Ratio Lower Upper

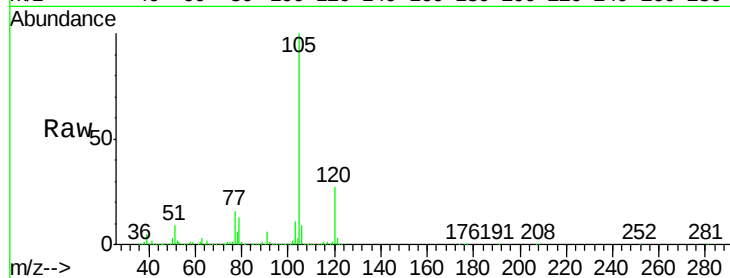
105 100

120 26.9 12.8 38.3

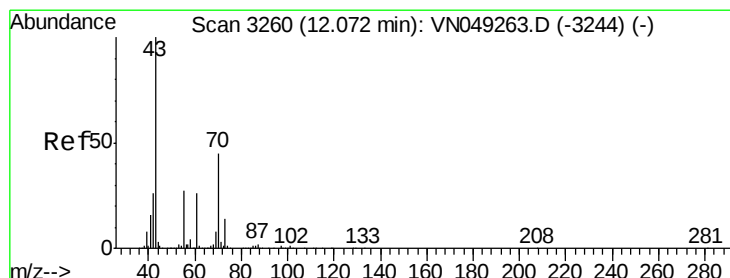
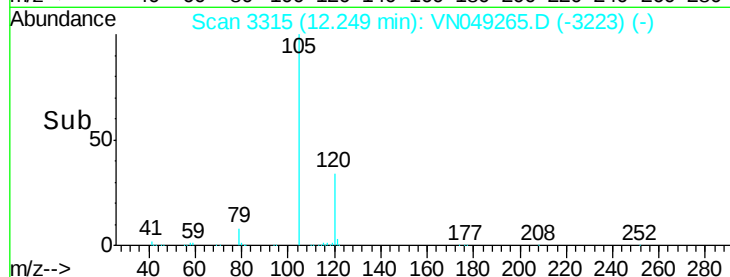
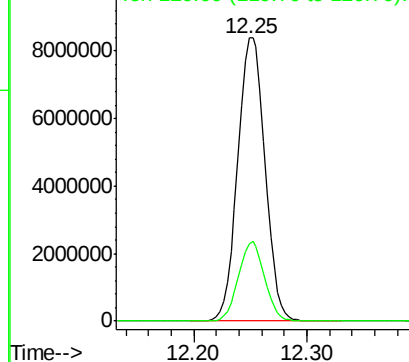
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 117.28 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Tgt Ion: 43 Resp: 3824586

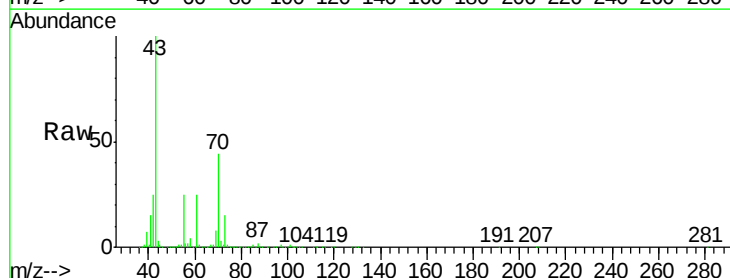
Ion Ratio Lower Upper

43 100

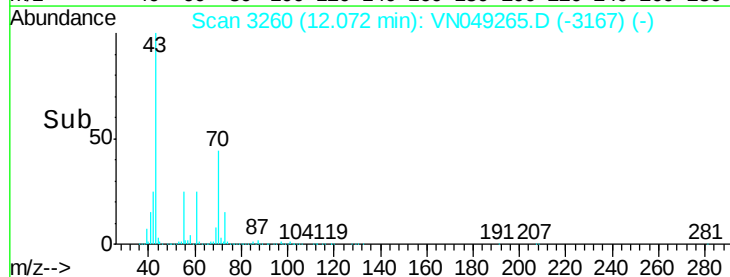
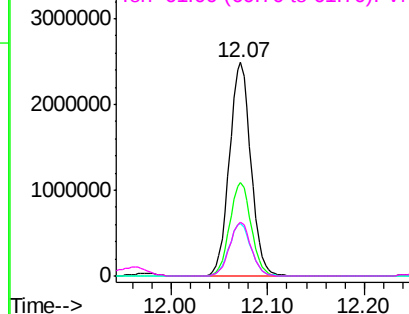
70 44.1 30.3 45.5

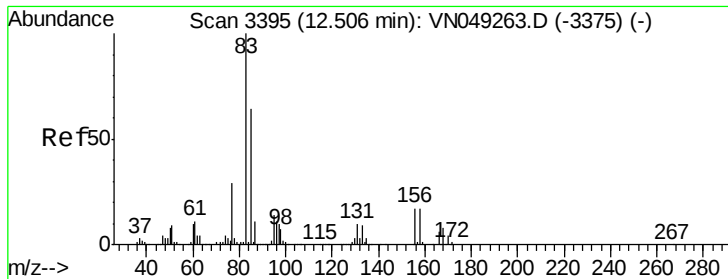
55 25.1 19.4 29.2

61 25.3 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 70.00 (69.70 to 70.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 106.62 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 3114886

Ion Ratio Lower Upper

83 100

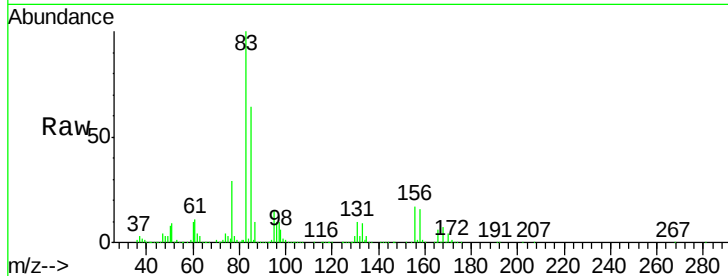
131 10.3 5.0 15.0

85 64.0 32.0 96.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN049265.D (-3375) (-)

Ion 130.80 (130.50 to 131.50): VN049265.D (-3375) (-)

Ion 84.90 (84.60 to 85.60): VN049265.D (-3375) (-)

2500000

2000000

1500000

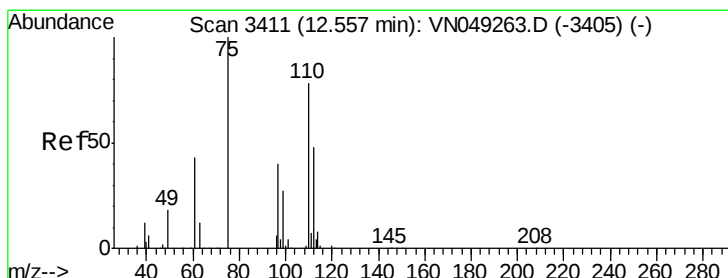
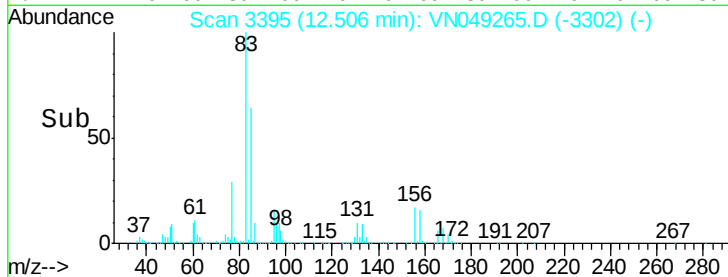
1000000

500000

0

12.40 12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 100.41 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049265.D

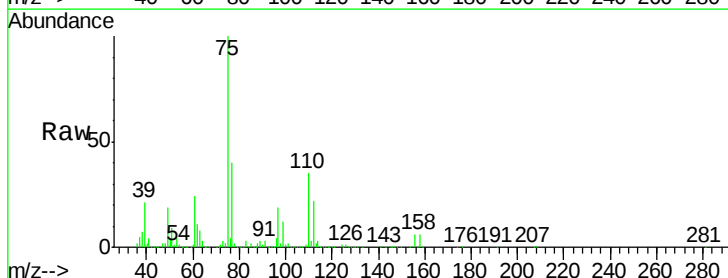
Acq: 15 Jun 2018 16:10

Tgt Ion: 75 Resp: 2334901

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049265.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN049265.D (-3405) (-)

3000000

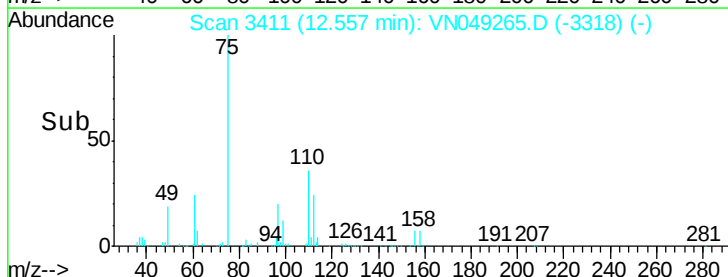
2000000

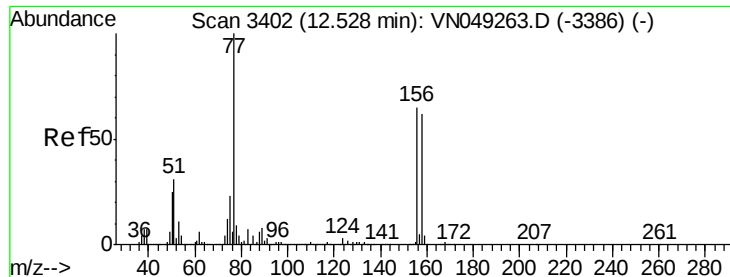
1000000

0

12.54 12.56 12.58 12.60

Time-->





#77

Bromobenzene

Concen: 127.33 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 3577483

Ion Ratio Lower Upper

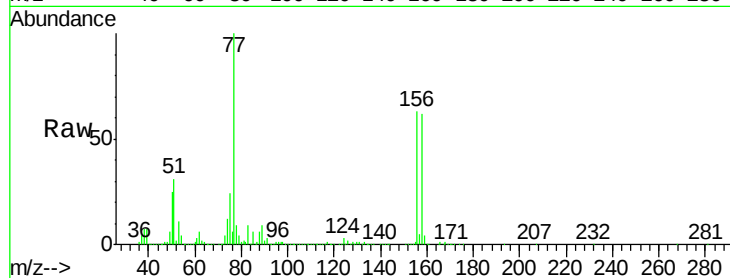
156 100

77 182.4 100.8 302.4

158 97.4 49.3 147.9

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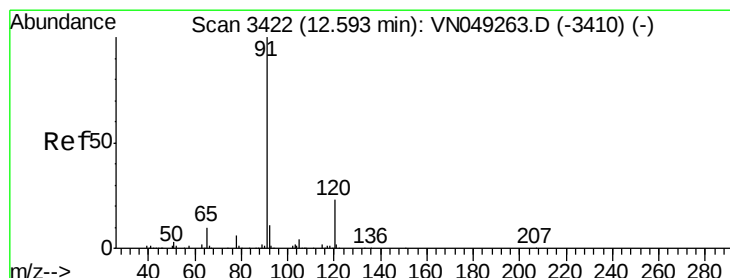
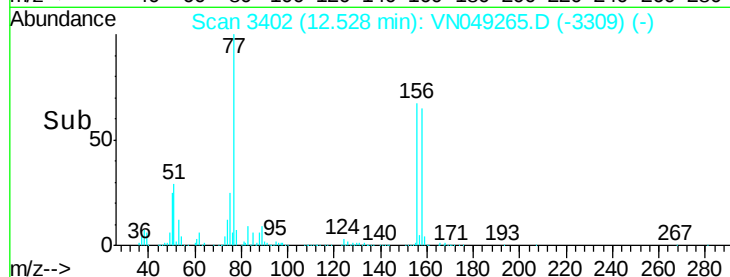
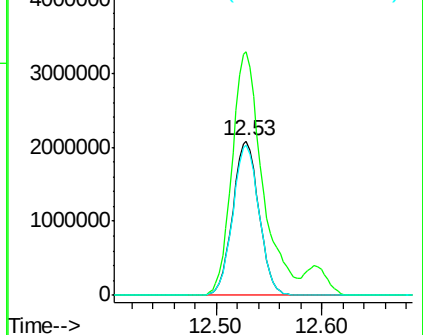
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 121.26 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN049265.D

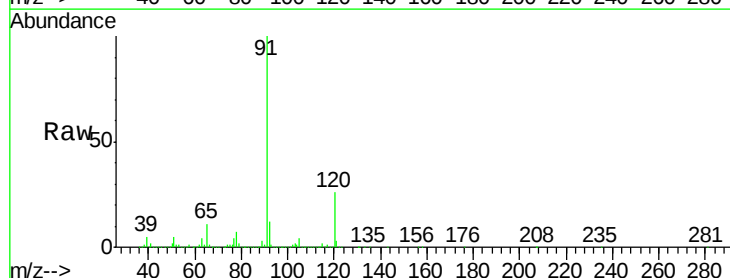
Acq: 15 Jun 2018 16:10

Tgt Ion: 91 Resp:15420536

Ion Ratio Lower Upper

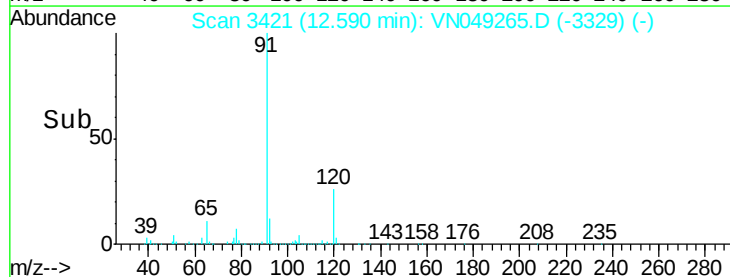
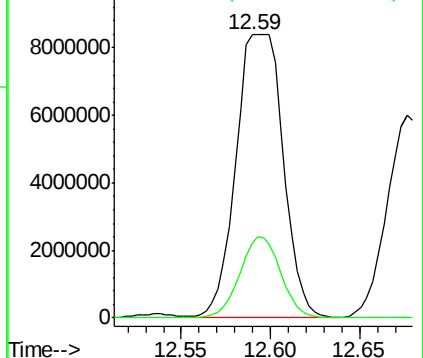
91 100

120 24.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 122.22 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 9802203

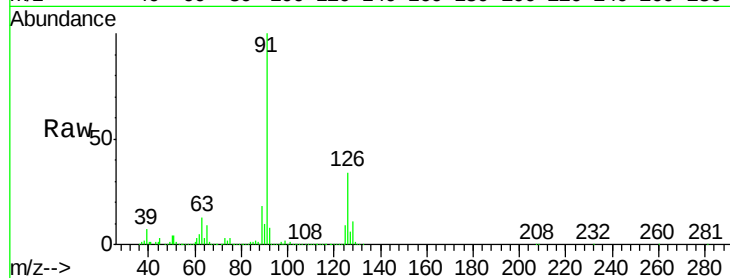
Ion Ratio Lower Upper

91 100

126 34.6 16.6 49.8

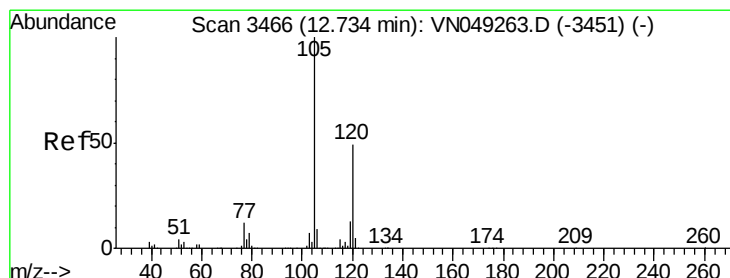
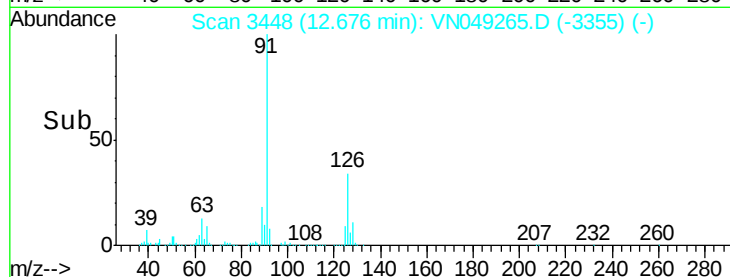
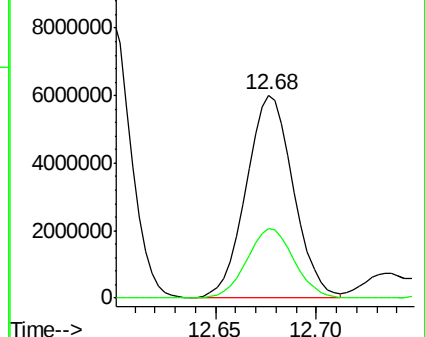
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Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049263.D (-3436) (-)



#80

1,3,5-Trimethylbenzene

Concen: 134.04 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049265.D

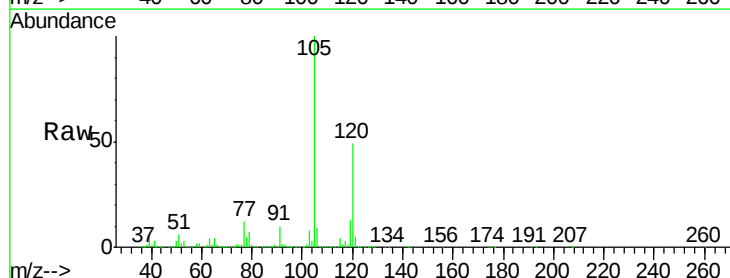
Acq: 15 Jun 2018 16:10

Tgt Ion:105 Resp:11764796

Ion Ratio Lower Upper

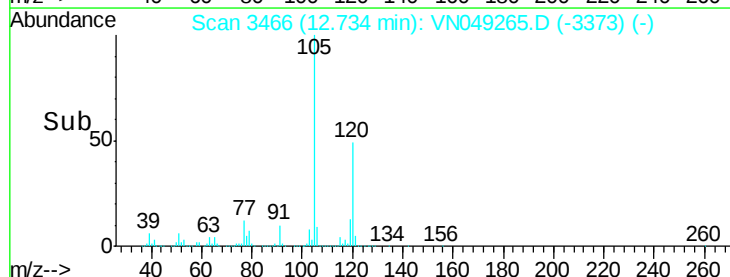
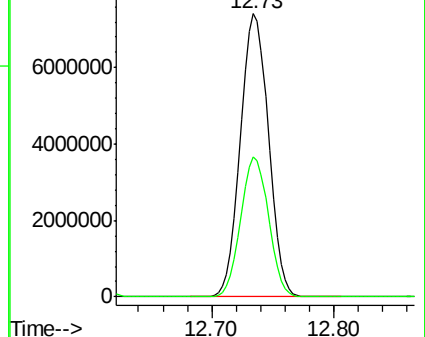
105 100

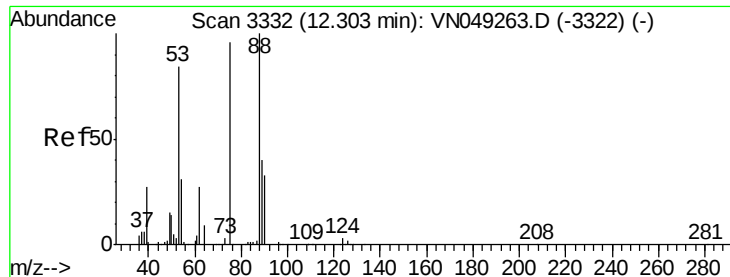
120 49.1 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 131.39 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

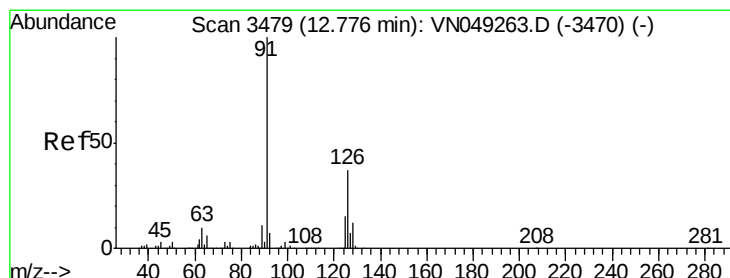
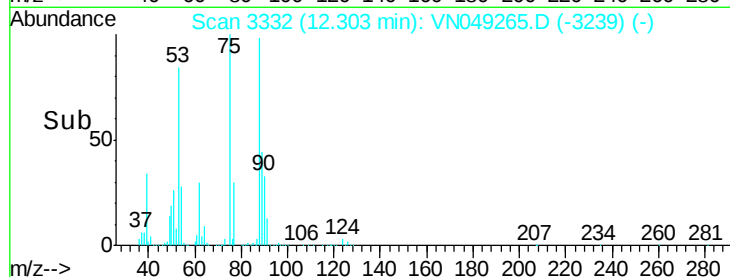
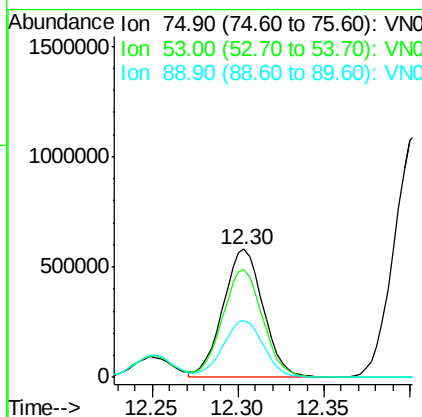
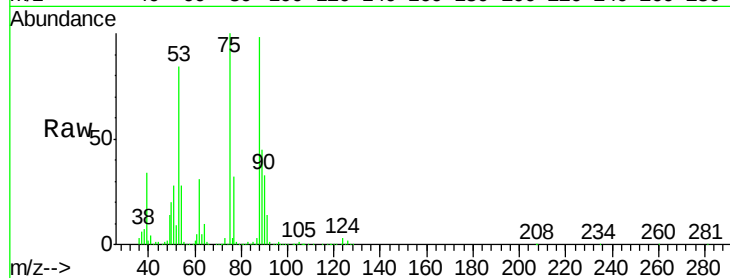
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	937250
Ion	Ratio	Lower	Upper
75	100		
53	85.3	82.7	124.1
89	45.1	36.5	54.7

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#82

4-Chlorotoluene

Concen: 131.07 ug/l

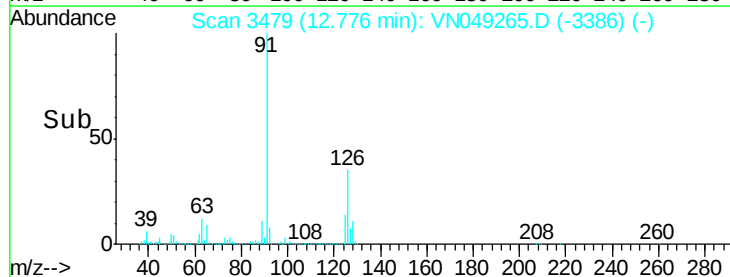
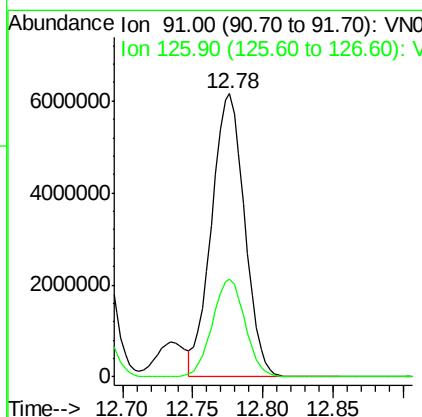
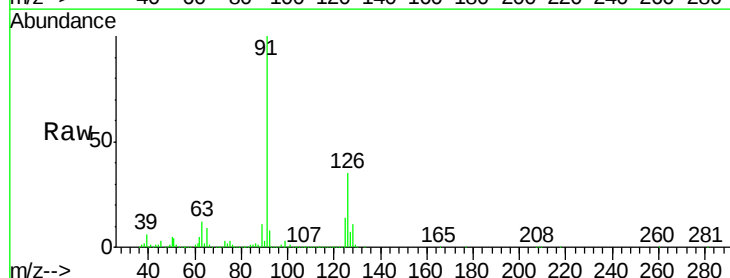
RT: 12.78 min Scan# 3479

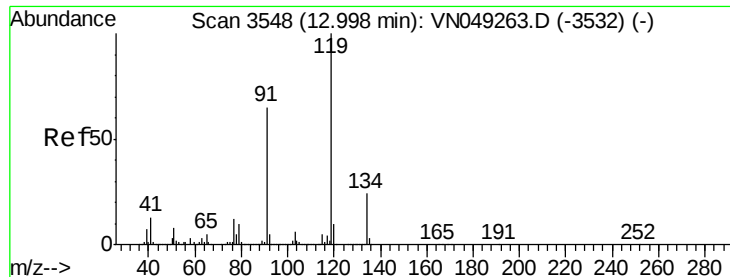
Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Tgt Ion:	91	Resp:	9971111
Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.4	49.1





#83

tert-Butylbenzene

Concen: 132.74 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp:10036500

Ion Ratio Lower Upper

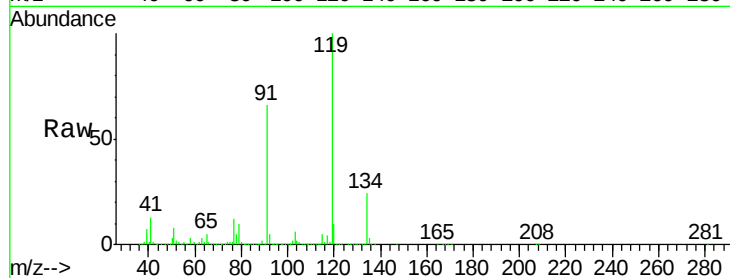
119 100

91 64.3 33.7 101.0

134 26.0 12.9 38.6

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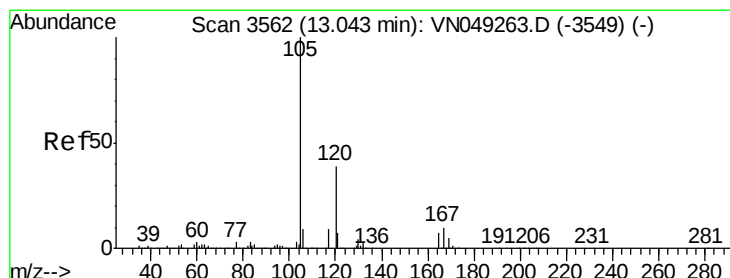
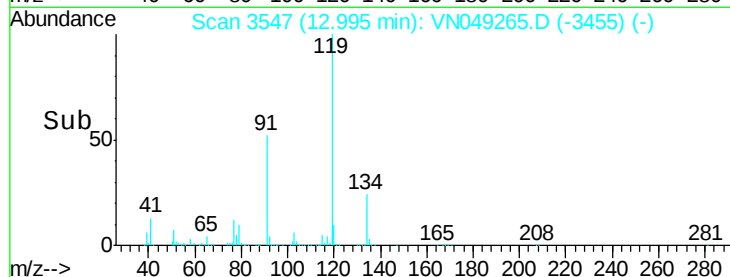
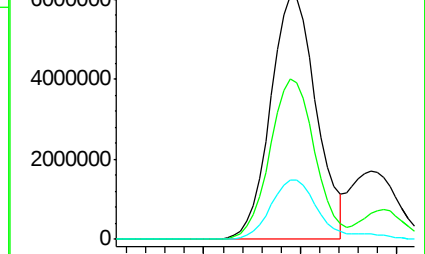
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 137.52 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049265.D

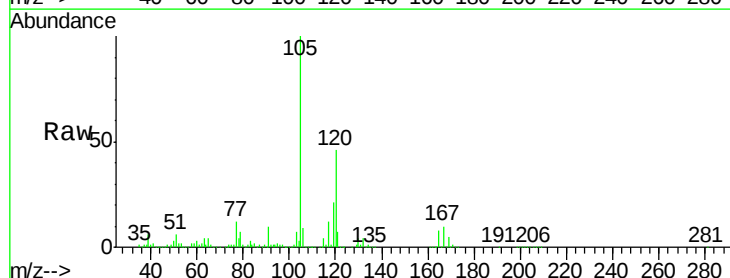
Acq: 15 Jun 2018 16:10

Tgt Ion:105 Resp:11997237

Ion Ratio Lower Upper

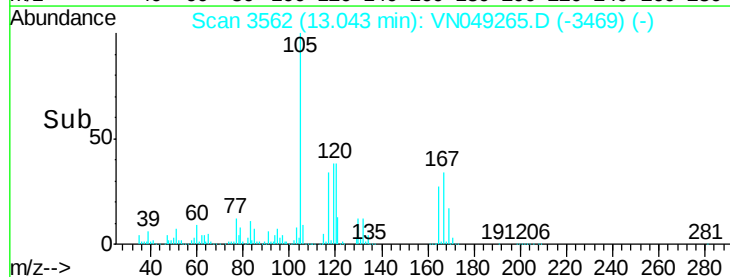
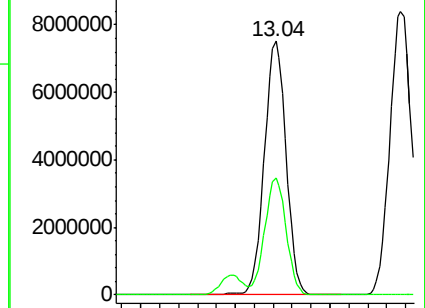
105 100

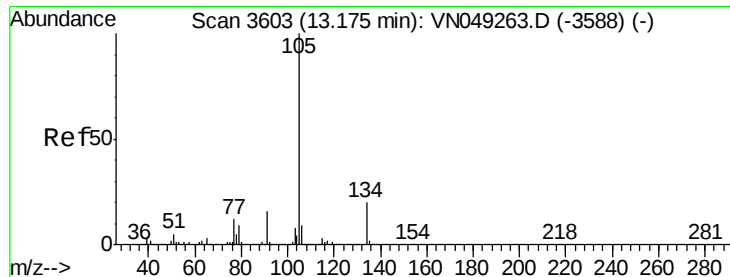
120 45.7 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 134.32 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp:13539429

Ion Ratio Lower Upper

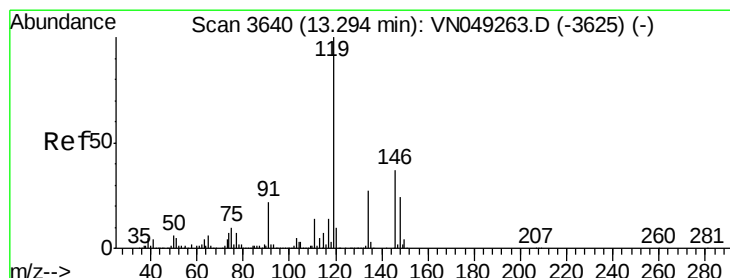
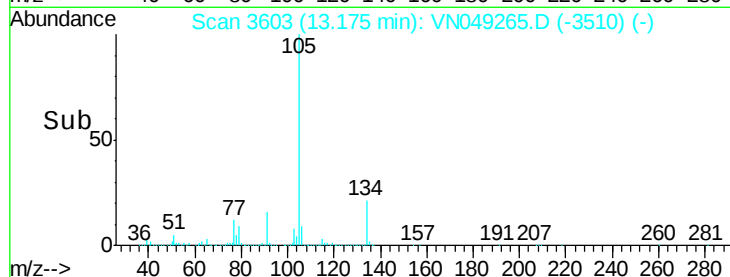
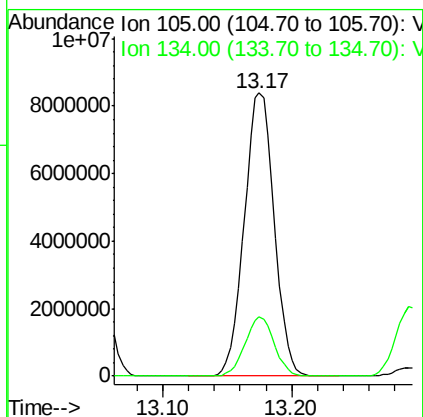
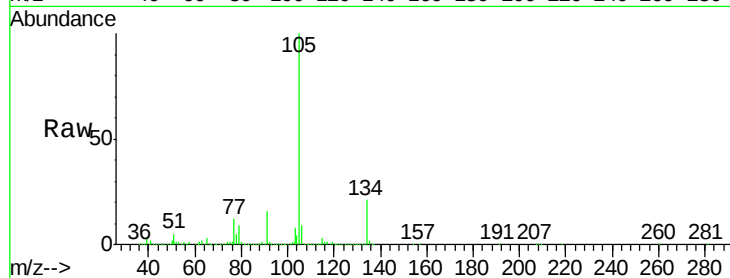
105 100

134 20.3 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 146.76 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

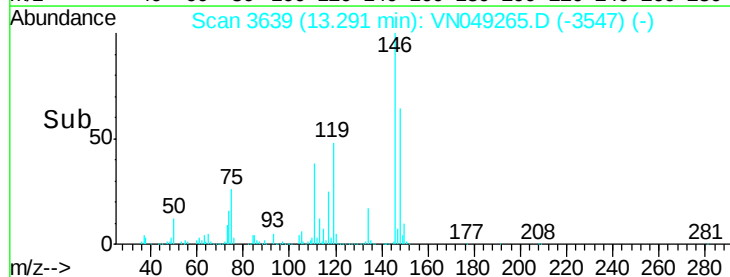
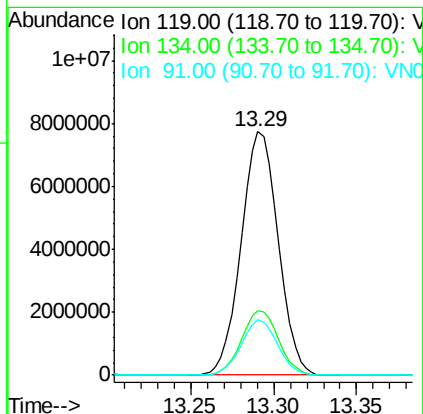
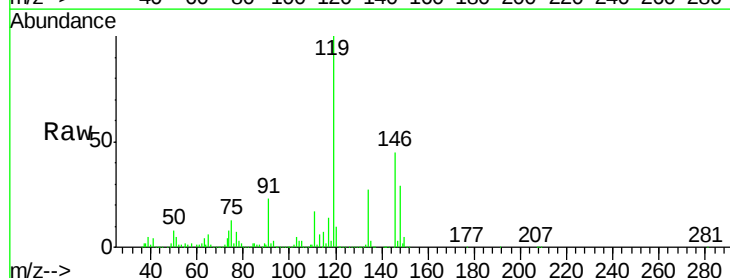
Tgt Ion:119 Resp:11981570

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

91 22.3 12.1 36.3





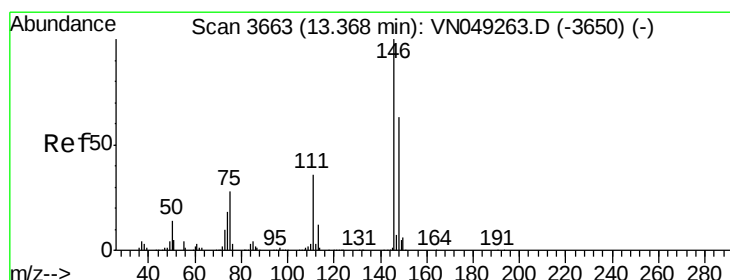
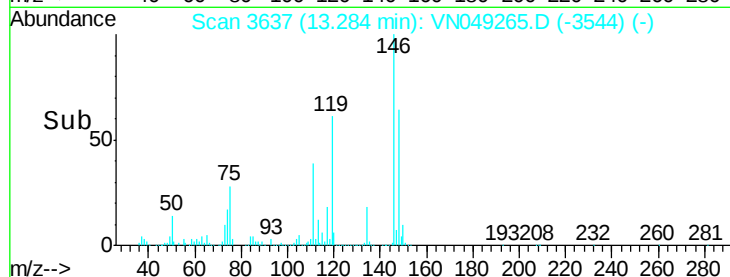
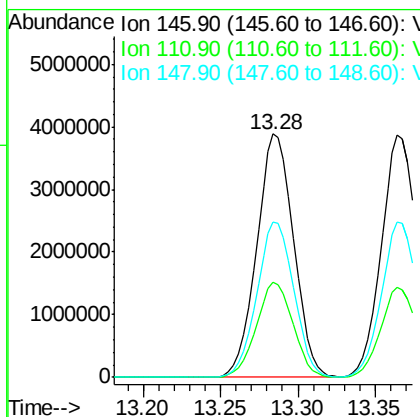
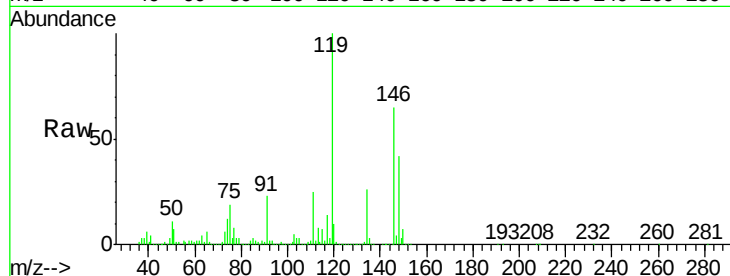
#87
 1,3-Dichlorobenzene
 Concen: 143.84 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049265.D
 Acq: 15 Jun 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 6441805
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.9 59.6
 148 64.1 32.1 96.5

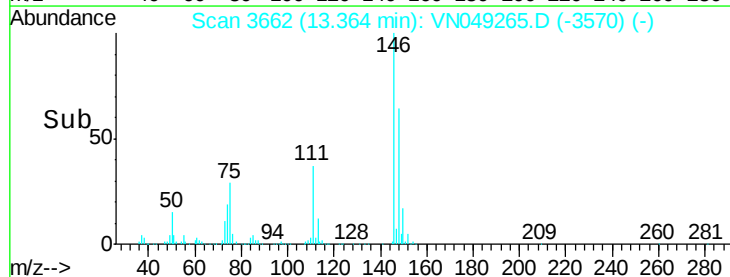
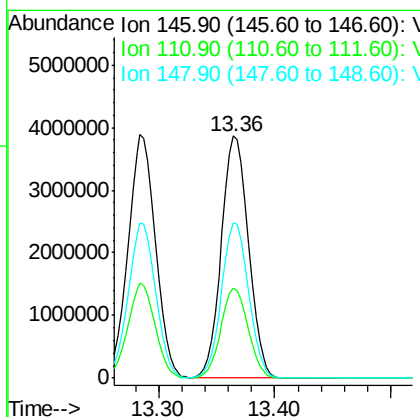
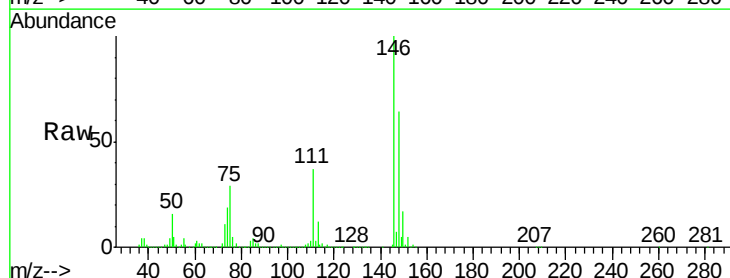
Manual Integrations
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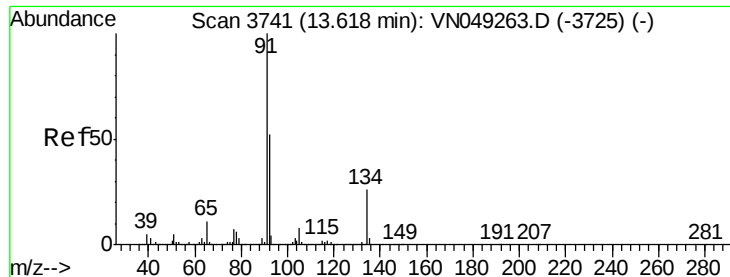
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#88
 1,4-Dichlorobenzene
 Concen: 142.01 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049265.D
 Acq: 15 Jun 2018 16:10

Tgt Ion:146 Resp: 6263784
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.1 57.1
 148 64.0 32.0 96.2





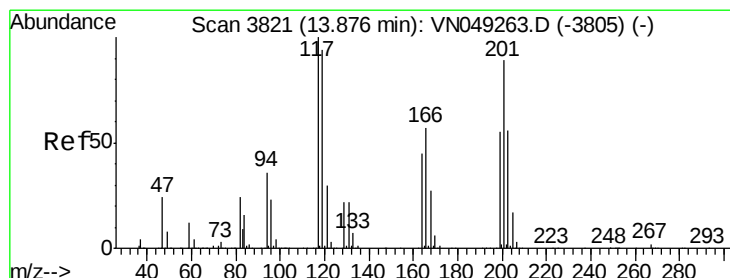
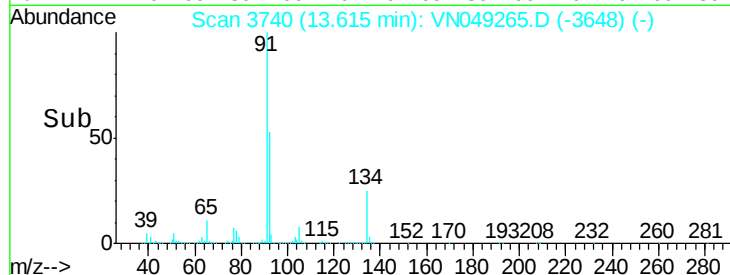
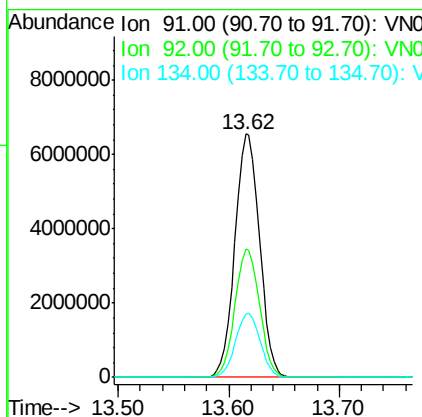
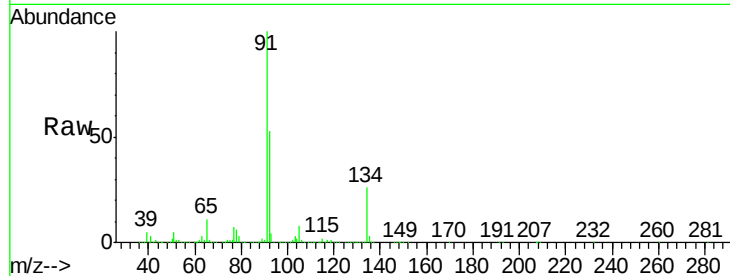
#89
n-Butylbenzene
Concen: 160.98 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp:10145969
Ion Ratio Lower Upper
91 100
92 52.6 25.1 75.4
134 26.4 12.0 36.0

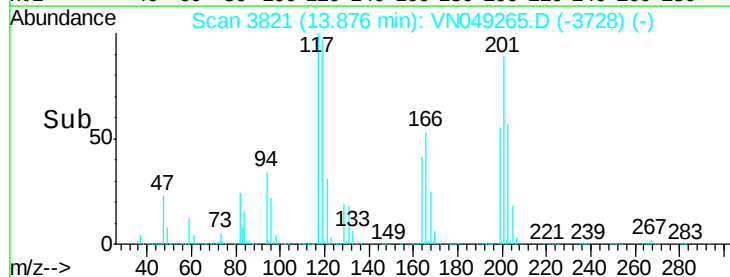
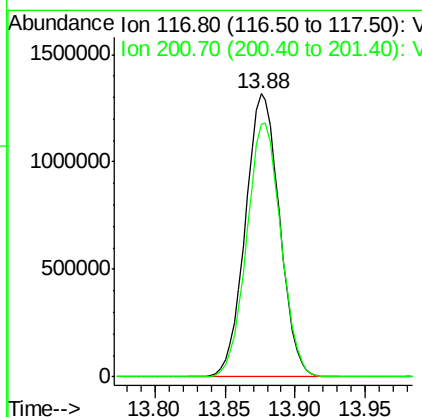
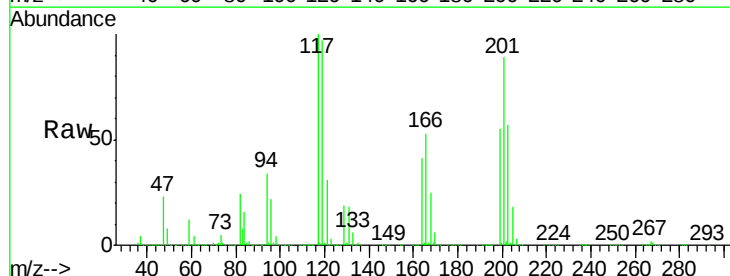
Manual Integrations
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#90
Hexachloroethane
Concen: 116.06 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049265.D
Acq: 15 Jun 2018 16:10

Tgt Ion:117 Resp: 2233292
Ion Ratio Lower Upper
117 100
201 89.8 40.1 120.2





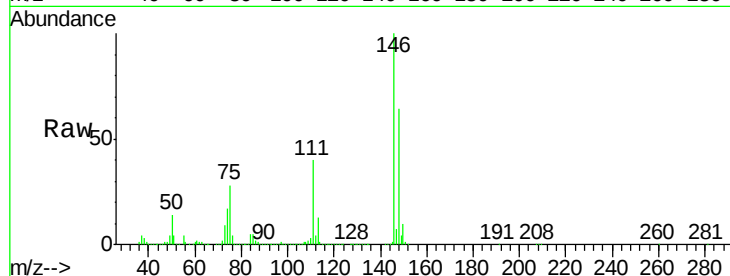
#91
 1,2-Dichlorobenzene
 Concen: 137.06 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049265.D
 Acq: 15 Jun 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

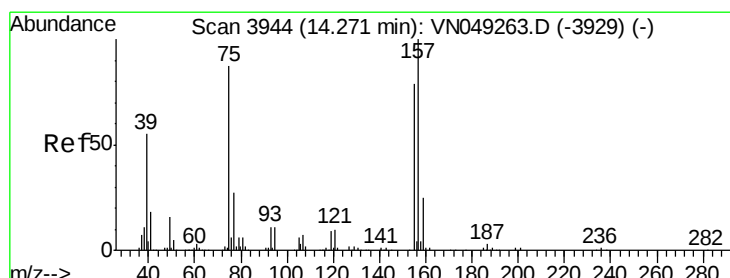
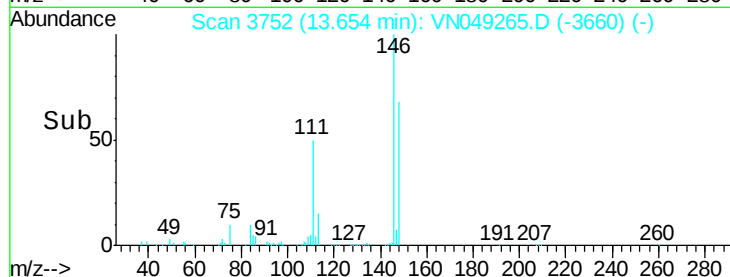
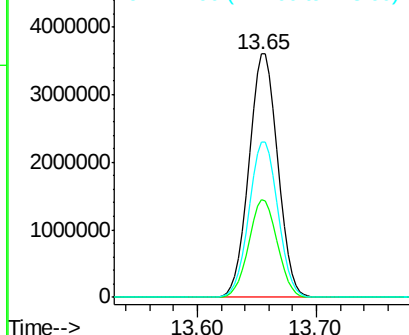
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.8	62.2
148	64.2	32.0	96.2

Manual Integrations
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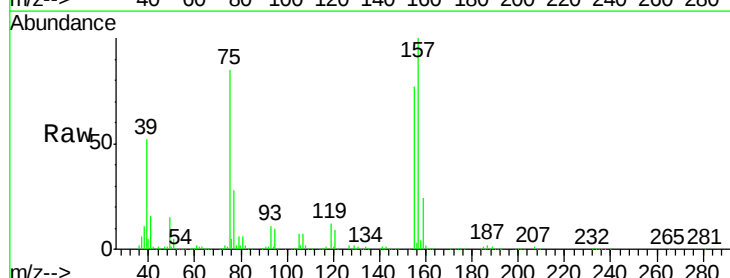


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

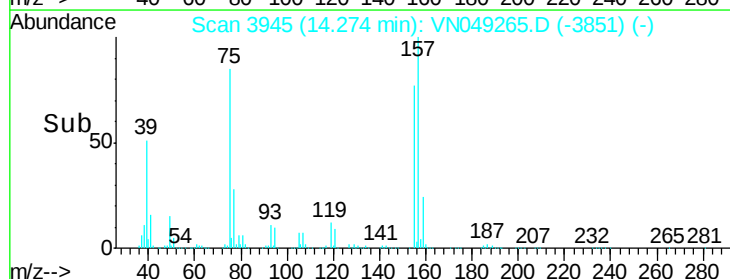
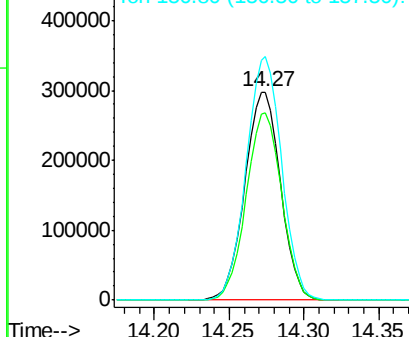


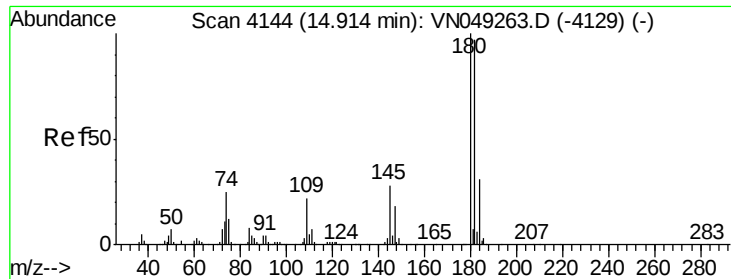
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 123.92 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049265.D
 Acq: 15 Jun 2018 16:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	38.8	116.3
157	116.5	51.0	153.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





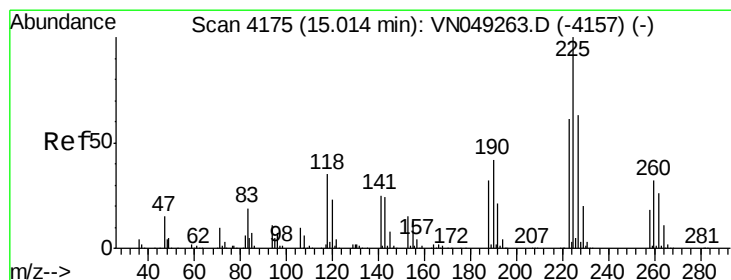
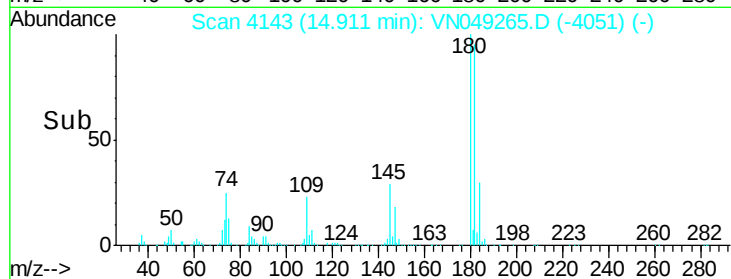
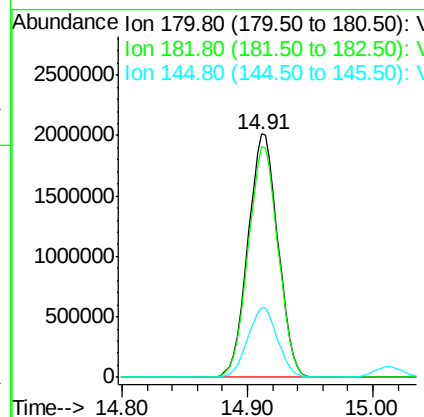
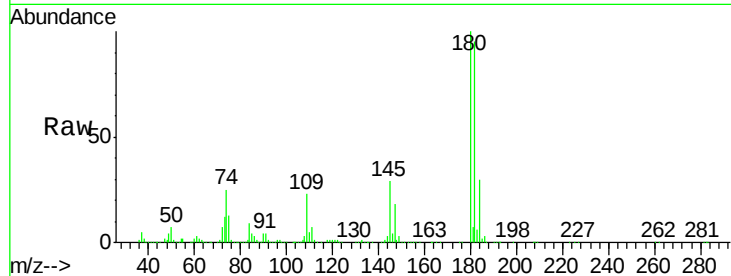
#93
 1,2,4-Trichlorobenzene
 Concen: 206.64 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049265.D
 Acq: 15 Jun 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 3339523
 Ion Ratio Lower Upper
 180 100
 182 94.8 46.9 140.8
 145 28.6 14.7 44.1

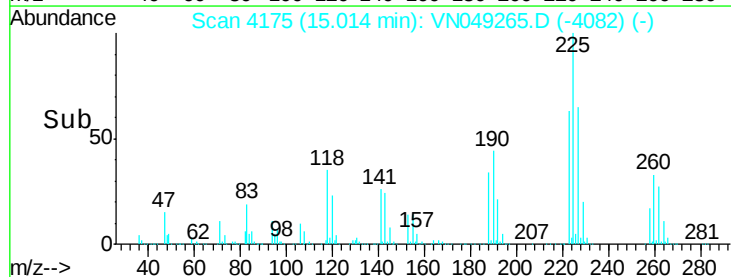
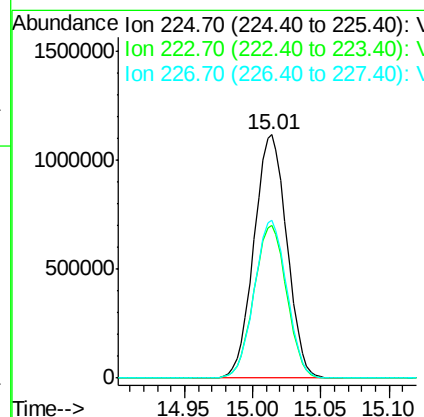
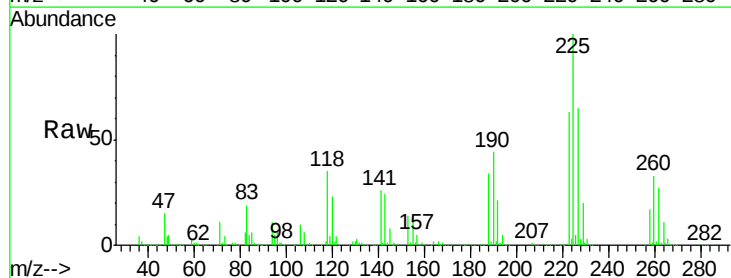
Manual Integrations
 APPROVED

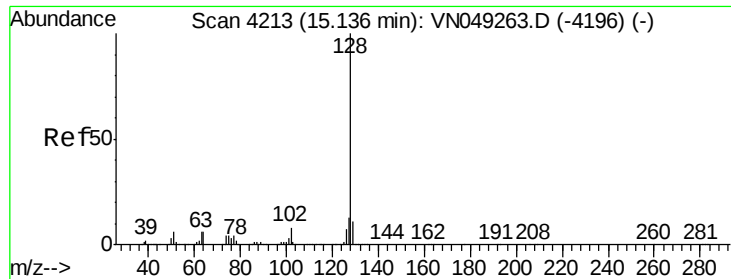
MMDadoda
 6/18/2018 3:16:13 PM



#94
 Hexachlorobutadiene
 Concen: 140.41 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049265.D
 Acq: 15 Jun 2018 16:10

Tgt Ion:225 Resp: 1870670
 Ion Ratio Lower Upper
 225 100
 223 62.4 32.1 96.3
 227 64.1 31.8 95.3





#95

Naphthalene

Concen: 199.70 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 7029196

Ion Ratio Lower Upper

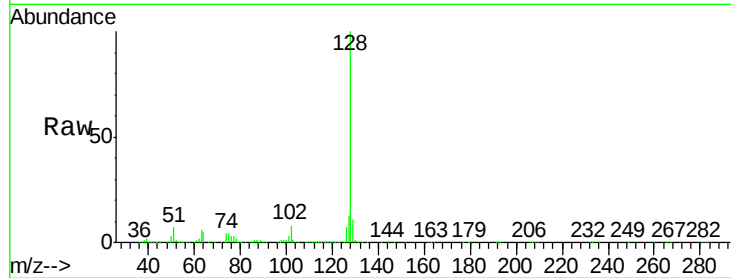
128 100

127 12.7 10.6 16.0

129 10.6 8.5 12.7

Manual Integrations
APPROVED

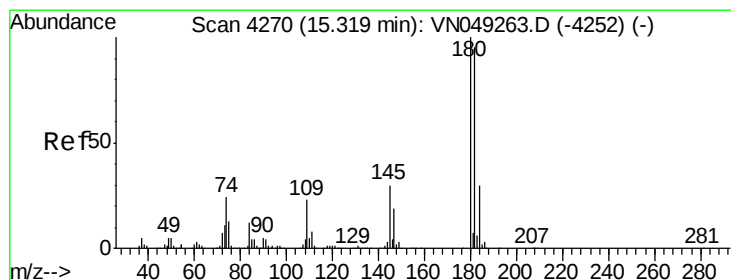
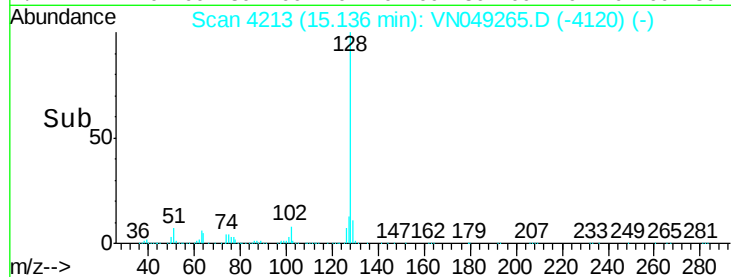
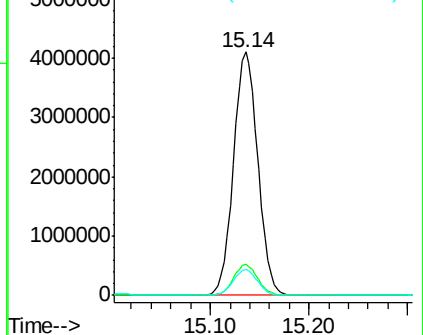
MMDadoda
6/18/2018 3:16:13 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 182.95 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049265.D

Acq: 15 Jun 2018 16:10

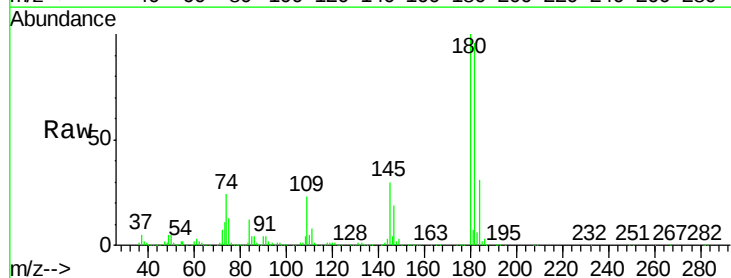
Tgt Ion:180 Resp: 3182968

Ion Ratio Lower Upper

180 100

182 95.9 47.3 141.8

145 30.3 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

