

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049266.D
 Acq On : 15 Jun 2018 17:43
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN061618

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:15 PM

Quant Time: Jun 16 01:29:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1634722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2385309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2187866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1123089	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1012999	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
35) Dibromofluoromethane	7.59	113	934395	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	10.09	98	3565584	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	12.40	95	1201140	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	807972	42.94	ug/l	99
3) Chloromethane	2.06	50	1031655	42.46	ug/l	98
4) Vinyl Chloride	2.18	62	1108686	42.94	ug/l	100
5) Bromomethane	2.56	94	576313	42.46	ug/l	95
6) Chloroethane	2.70	64	668444	43.42	ug/l	99
7) Trichlorofluoromethane	3.01	101	1405951	43.64	ug/l	99
8) Diethyl Ether	3.41	74	521283	46.35	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	915680	44.82	ug/l	93
10) Methyl Iodide	3.95	142	955668	44.93	ug/l	92
11) Tert butyl alcohol	4.79	59	293325	230.50	ug/l	97
12) 1,1-Dichloroethene	3.73	96	832040	44.39	ug/l	91
13) Acrolein	3.60	56	312789	234.38	ug/l	99
14) Allyl chloride	4.32	41	1384690	46.79	ug/l	88
15) Acrylonitrile	4.99	53	1458640	229.23	ug/l	99
16) Acetone	3.82	43	1299059	246.76	ug/l	90
17) Carbon Disulfide	4.05	76	2518779	42.87	ug/l	100
18) Methyl Acetate	4.32	43	706235	44.00	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	2311487	48.37	ug/l	99
20) Methylene Chloride	4.55	84	937203	42.63	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	895495	45.13	ug/l	91
22) Diisopropyl ether	5.95	45	2812808	47.59	ug/l	96
23) Vinyl Acetate	5.90	43	9512134	246.89	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1705850	45.10	ug/l	99
25) 2-Butanone	6.84	43	1708150	241.64	ug/l	95
26) 2,2-Dichloropropane	6.82	77	1443143	47.24	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	1023390	46.39	ug/l	92
28) Bromochloromethane	7.19	49	762234	45.45	ug/l	84
29) Tetrahydrofuran	7.21	42	1059473	232.84	ug/l	93
30) Chloroform	7.37	83	1689909	44.89	ug/l	100
31) Cyclohexane	7.65	56	1538576	47.97	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	1454400	45.28	ug/l	96
36) 1,1-Dichloropropene	7.79	75	1327322	48.55	ug/l	98
37) Ethyl Acetate	6.93	43	742943	49.99	ug/l	96
38) Carbon Tetrachloride	7.77	117	1306272	46.15	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1469963	50.09	ug/l	96
40) Benzene	8.04	78	3881775	46.31	ug/l	98
41) Methacrylonitrile	7.18	41	407876	50.76	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1181326	45.62	ug/l	96
43) Isopropyl Acetate	8.17	43	1356800	47.78	ug/l #	81
44) Trichloroethene	8.83	130	1038057	46.90	ug/l	94
45) 1,2-Dichloropropane	9.12	63	1032219	47.04	ug/l	99
46) Dibromomethane	9.21	93	584715	45.95	ug/l	92
47) Bromodichloromethane	9.40	83	1294720	46.30	ug/l	96
48) Methyl methacrylate	9.20	41	648241	48.48	ug/l	86
49) 1,4-Dioxane	9.20	88	173643	940.86	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	3620501	243.27	ug/l	93
52) Toluene	10.16	92	2401708	48.82	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	1321038	49.38	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1550446	49.09	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	847162	46.20	ug/l	95
56) Ethyl methacrylate	10.43	69	1072148	50.68	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1431714	47.13	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	1817807	240.90	ug/l	94
59) 2-Hexanone	10.75	43	2446180	254.95	ug/l	92
60) Dibromochloromethane	10.90	129	970677	47.43	ug/l	99
61) 1,2-Dibromoethane	11.01	107	805643	47.26	ug/l	99
64) Tetrachloroethene	10.63	164	1001252	44.66	ug/l	98
65) Chlorobenzene	11.44	112	2605561	46.23	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	968448	45.66	ug/l	99
67) Ethyl Benzene	11.51	91	4560168	48.78	ug/l	98
68) m/p-Xylenes	11.62	106	3525879	100.50	ug/l	96
69) o-Xylene	11.95	106	1677520	49.64	ug/l	96
70) Styrene	11.97	104	2732218	51.25	ug/l	97
71) Bromoform	12.13	173	652023	47.49	ug/l #	99
73) Isopropylbenzene	12.25	105	4557638	46.22	ug/l	98
74) N-amyl acetate	12.07	43	1140665	47.23	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	986870	48.58	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	791007m	41.28	ug/l	
77) Bromobenzene	12.53	156	1101988	42.31	ug/l	92
78) n-propylbenzene	12.59	91	5225298	48.26	ug/l	99
79) 2-Chlorotoluene	12.68	91	3066035	44.69	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	3707673	47.84	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	276938	45.68	ug/l	91
82) 4-Chlorotoluene	12.78	91	3090280	46.69	ug/l	97
83) tert-Butylbenzene	12.99	119	3166294	46.11	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	3727894	48.42	ug/l	97
85) sec-Butylbenzene	13.17	105	4309828	47.16	ug/l	99
86) p-Isopropyltoluene	13.29	119	3726840	48.81	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1957996	45.69	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1910775	44.99	ug/l	100
89) n-Butylbenzene	13.62	91	3058348	51.28	ug/l	97
90) Hexachloroethane	13.88	117	712210	49.26	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	1901928	45.26	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	146825	42.77	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	875488	45.88	ug/l	98
94) Hexachlorobutadiene	15.01	225	678185	55.47	ug/l	99
95) Naphthalene	15.14	128	1665692	48.94	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	871857	46.56	ug/l	98

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

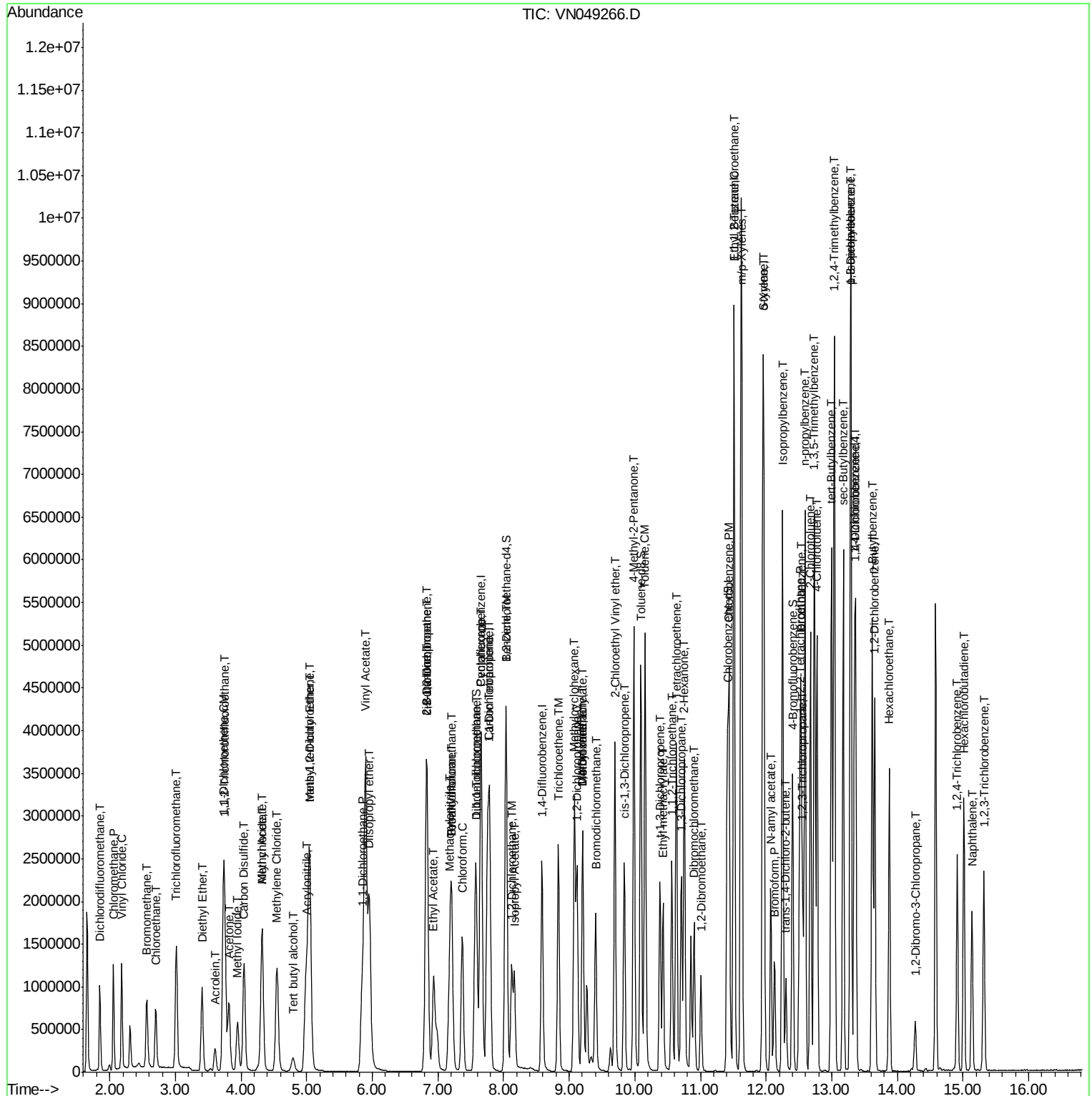
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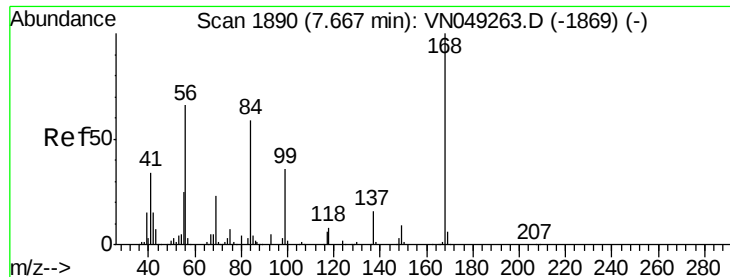
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion:168 Resp: 1634722

Ion Ratio Lower Upper

168 100

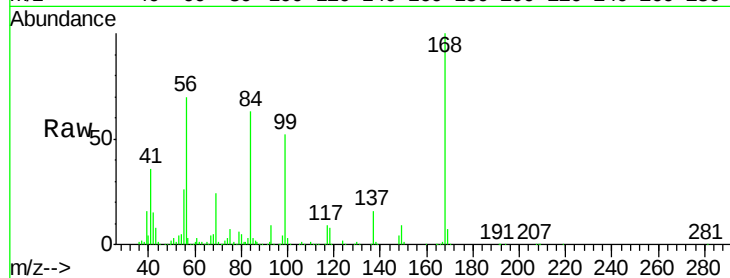
99 51.6 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

600000

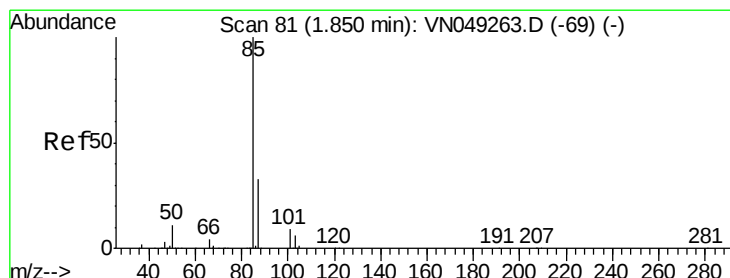
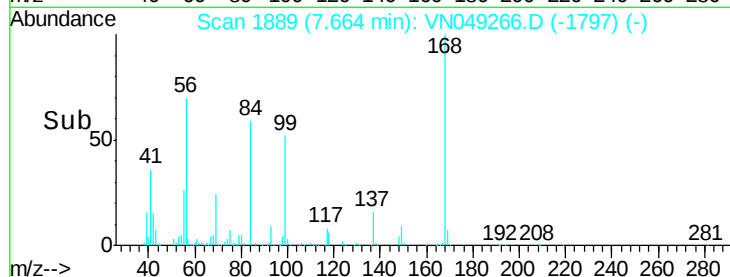
400000

200000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 42.94 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049266.D

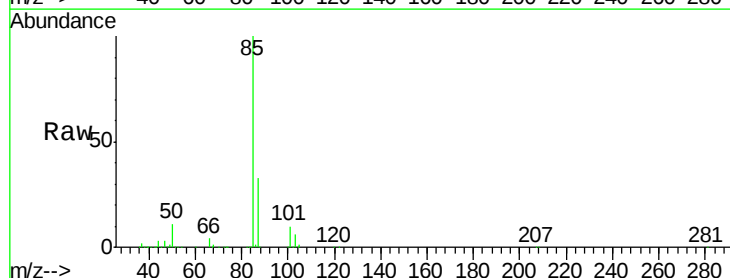
Acq: 15 Jun 2018 17:43

Tgt Ion: 85 Resp: 807972

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

600000

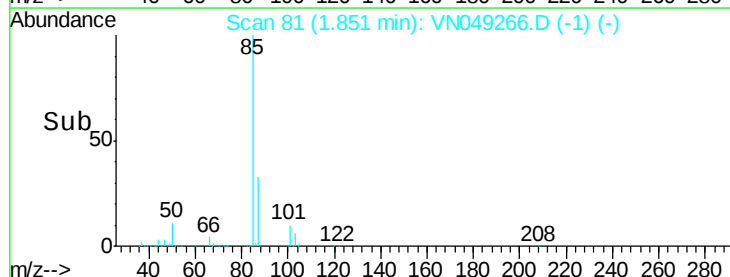
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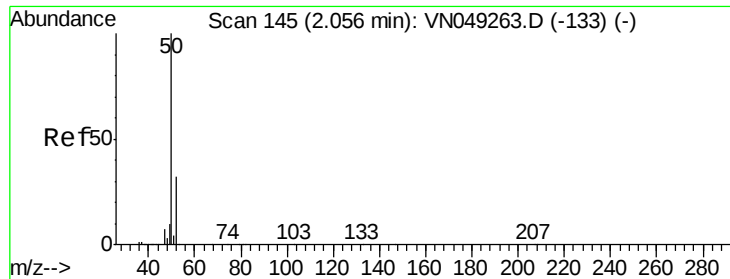
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1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 42.46 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion: 50 Resp: 1031655

Ion Ratio Lower Upper

50 100

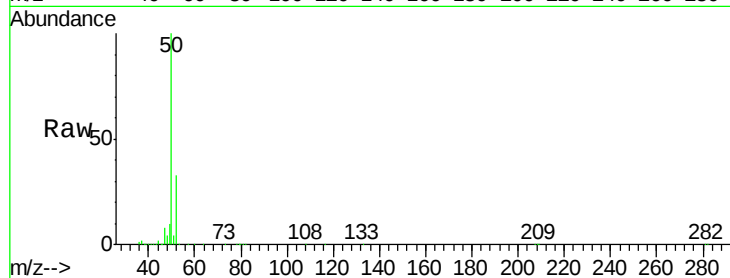
52 32.5 25.2 37.8

Manual Integrations

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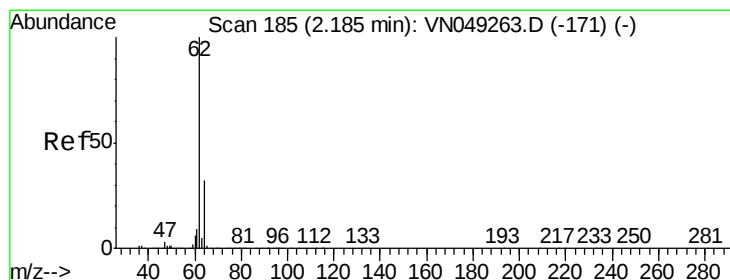
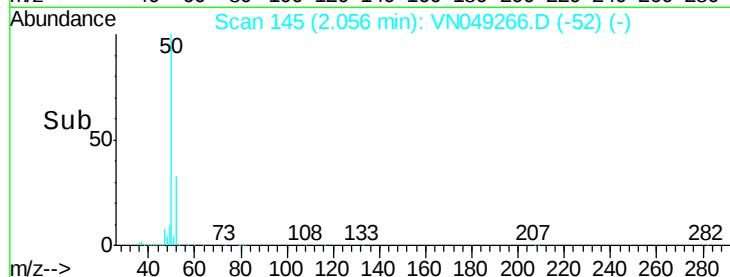
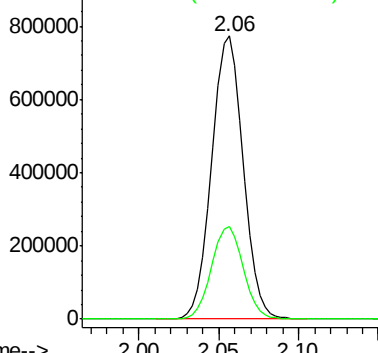
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 42.94 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049266.D

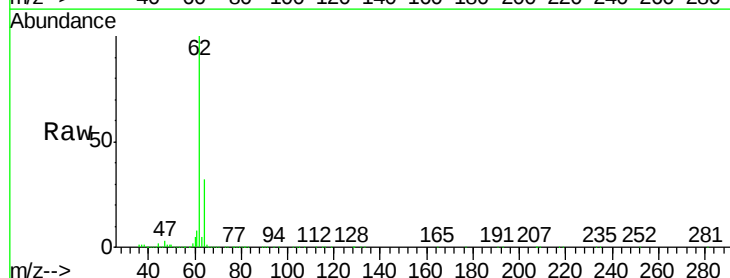
Acq: 15 Jun 2018 17:43

Tgt Ion: 62 Resp: 1108686

Ion Ratio Lower Upper

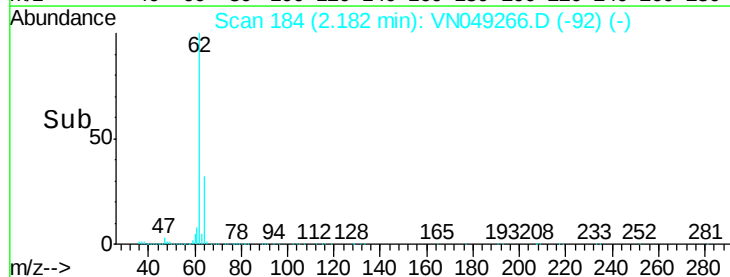
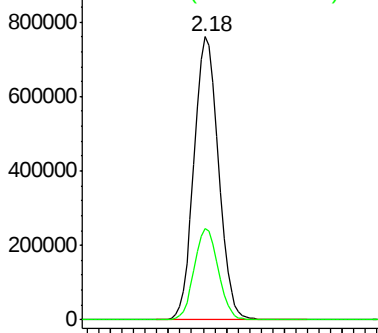
62 100

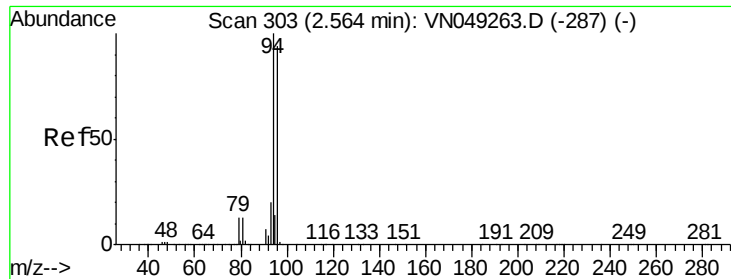
64 32.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 42.46 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

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Tot Ion: 94 Resp: 576313

Ion Ratio Lower Upper

94 100

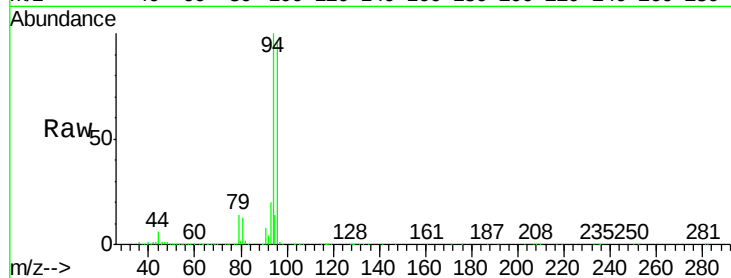
96 96.2 72.8 109.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.56

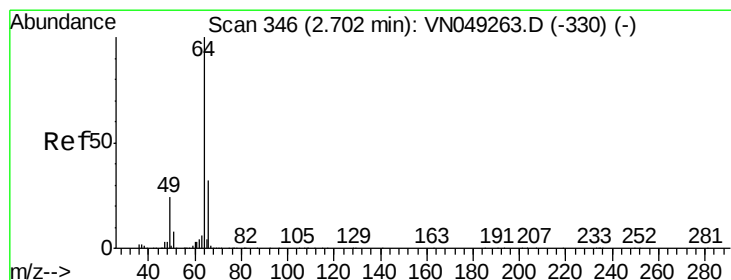
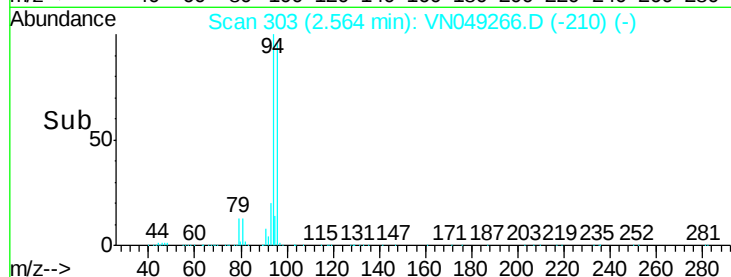
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200000

100000

0

Time-->



#6

Chloroethane

Concen: 43.42 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049266.D

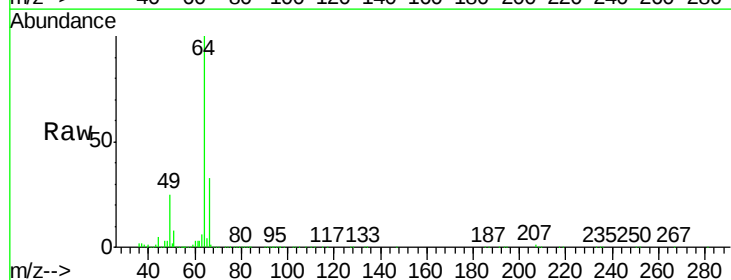
Acq: 15 Jun 2018 17:43

Tgt Ion: 64 Resp: 668444

Ion Ratio Lower Upper

64 100

66 32.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.70

400000

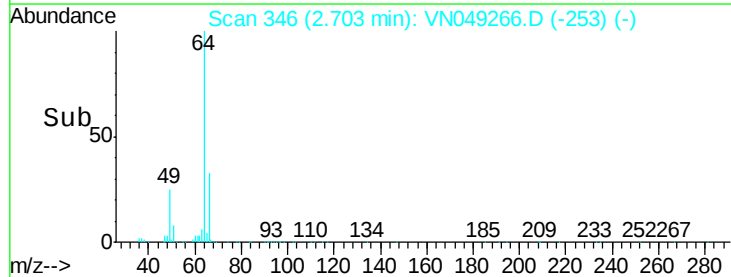
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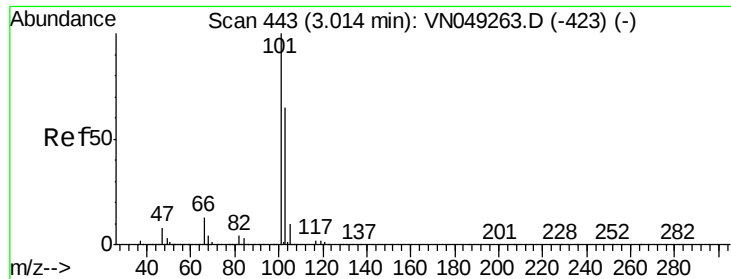
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100000

0

Time-->





#7

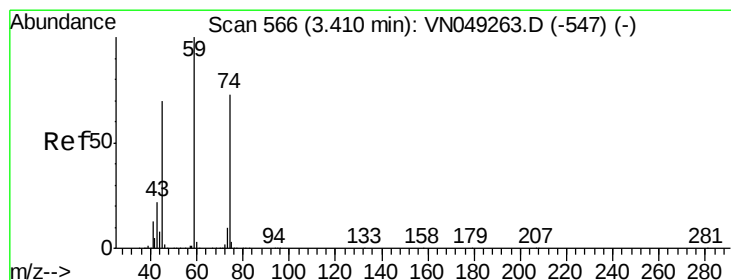
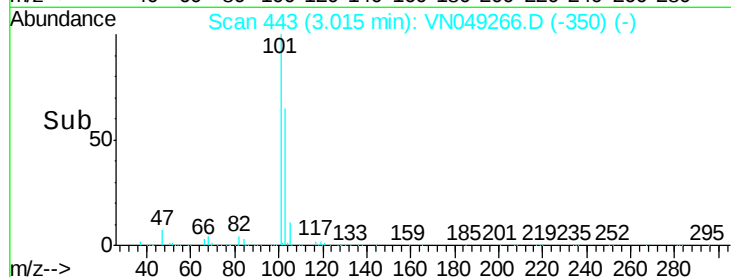
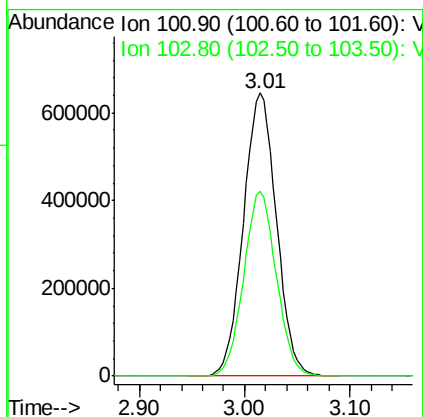
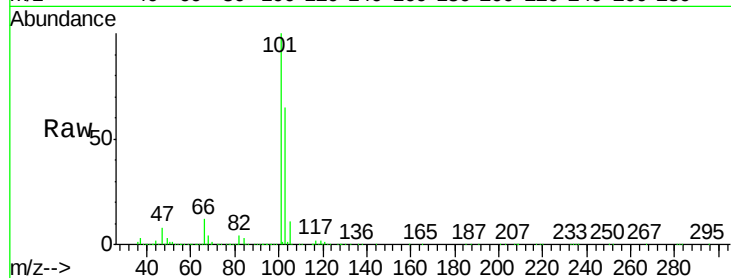
Trichlorofluoromethane
Concen: 43.64 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049266.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.7	77.5

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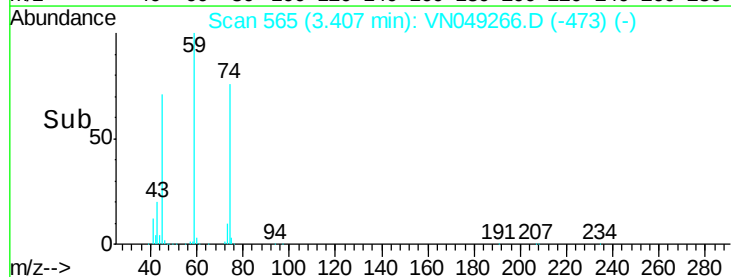
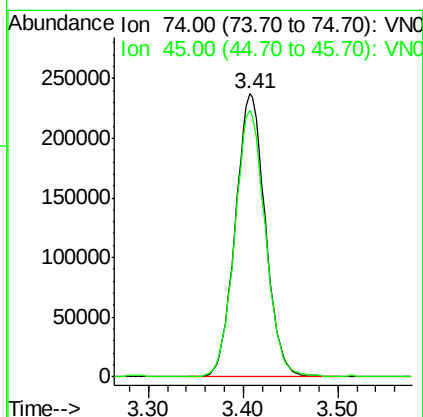
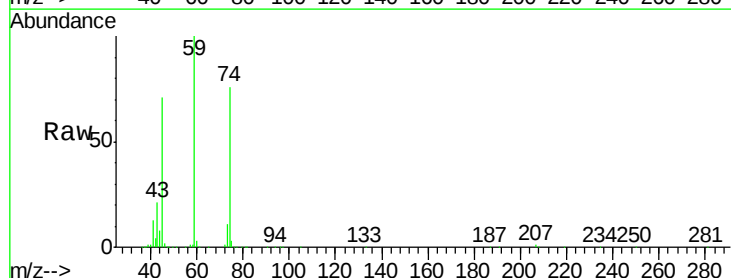
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6/18/2018 3:16:15 PM



#8

Diethyl Ether
Concen: 46.35 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.82 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049266.D

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MSVOA_N

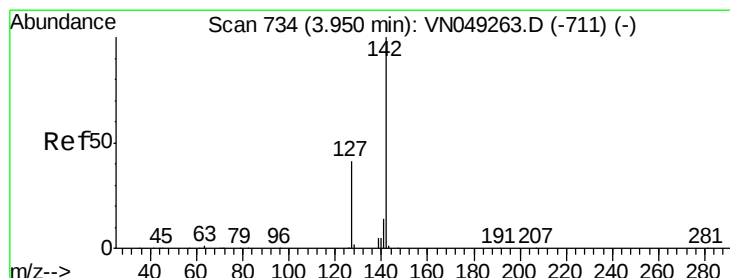
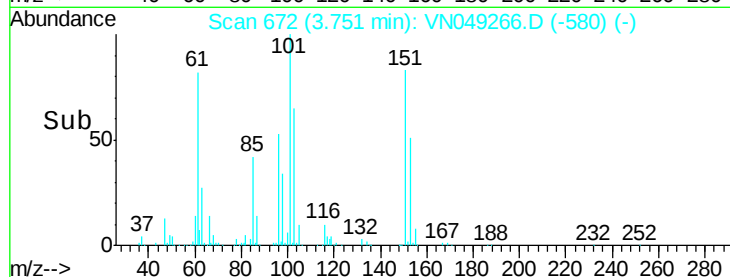
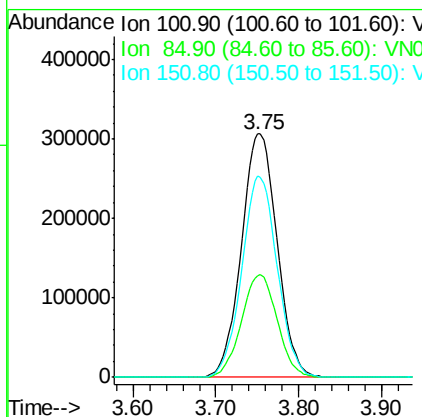
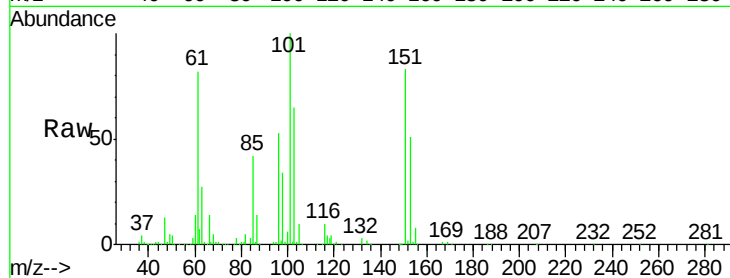
ClientSampleId :

ICVVN061618

Tot Ion:	101	Resp:	915680
Ion Ratio	Lower	Upper	
101	100		
85	42.4	37.6	56.4
151	82.0	61.1	91.7

Manual Integrations
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6/18/2018 3:16:15 PM



#10

Methyl Iodide

Concen: 44.93 ug/l

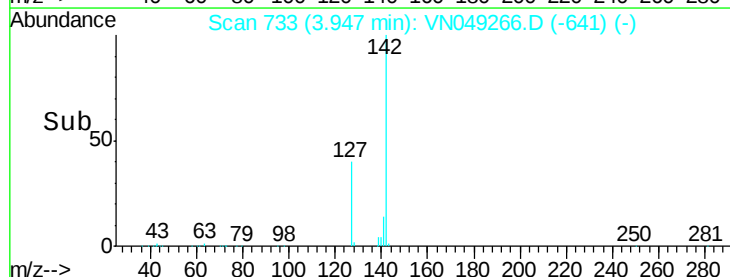
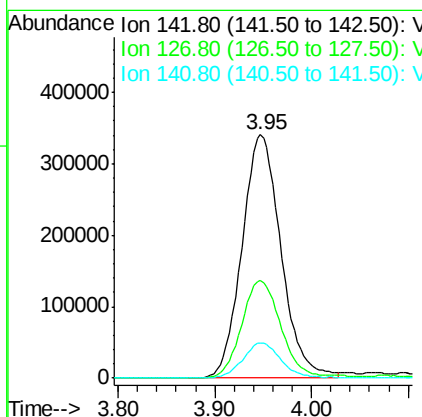
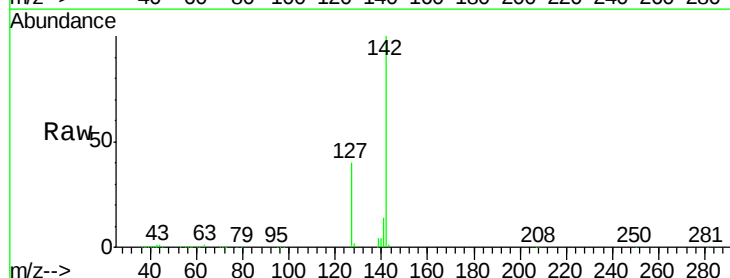
RT: 3.95 min Scan# 733

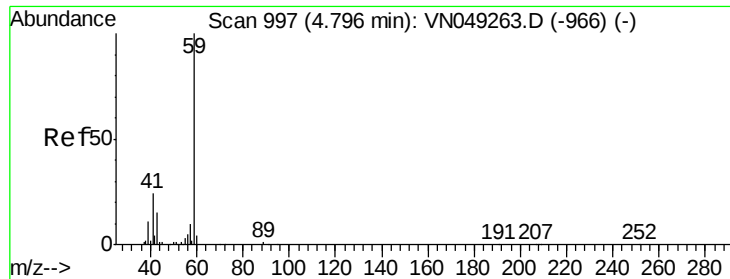
Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Tgt Ion:	142	Resp:	955668
Ion Ratio	Lower	Upper	
142	100		
127	40.9	38.2	57.4
141	14.0	11.9	17.9





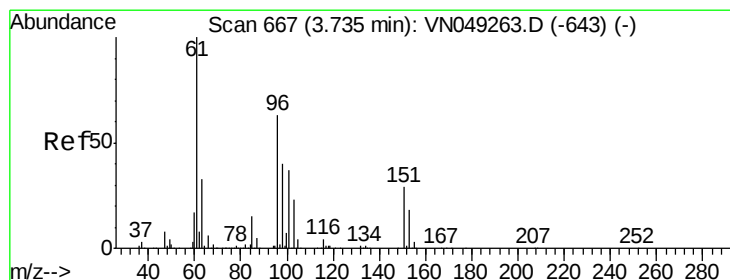
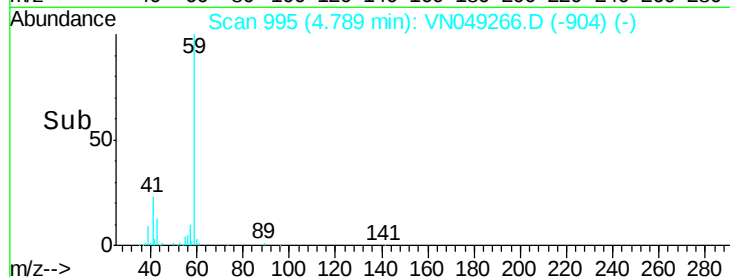
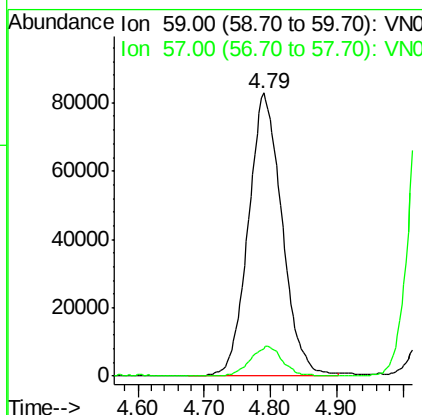
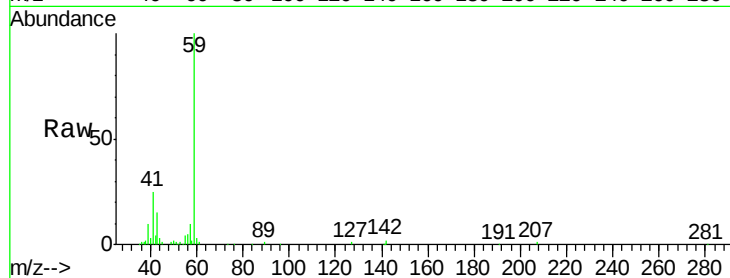
#11
Tert butyl alcohol
Concen: 230.50 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061618

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	9.0	13.6

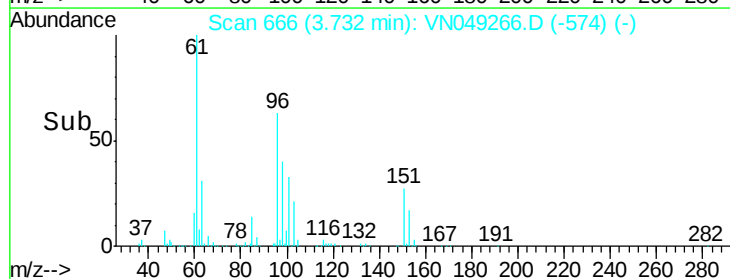
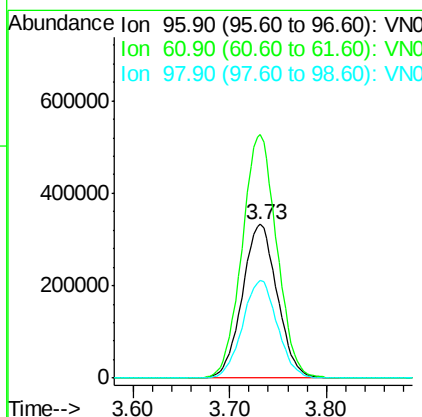
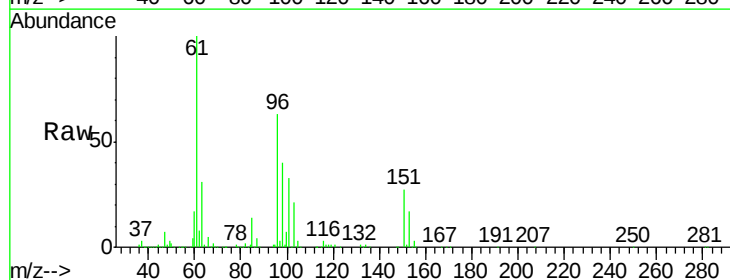
Manual Integrations
APPROVED

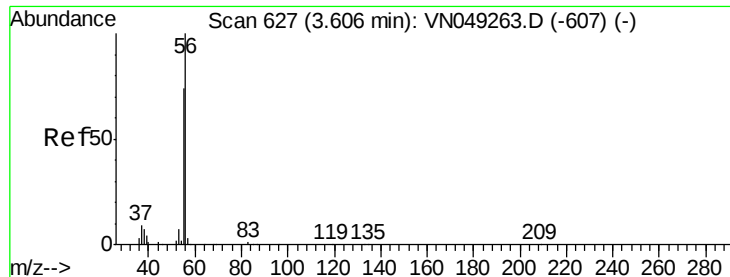
MMDadoda
6/18/2018 3:16:15 PM



#12
1,1-Dichloroethene
Concen: 44.39 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.4	141.0	211.4
98	63.3	50.4	75.6





#13

Acrolein

Concen: 234.38 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion: 56 Resp: 312789

Ion Ratio Lower Upper

56 100

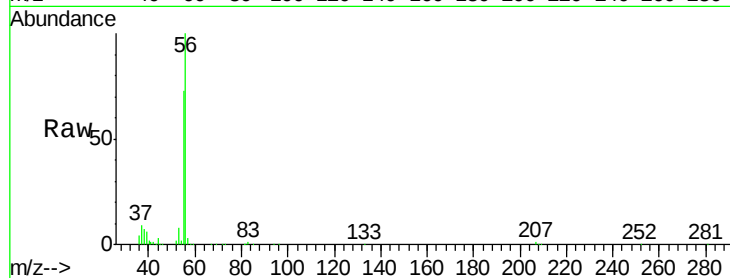
55 70.6 57.1 85.7

Manual Integrations

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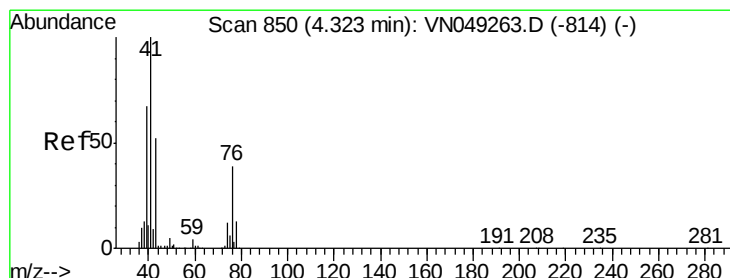
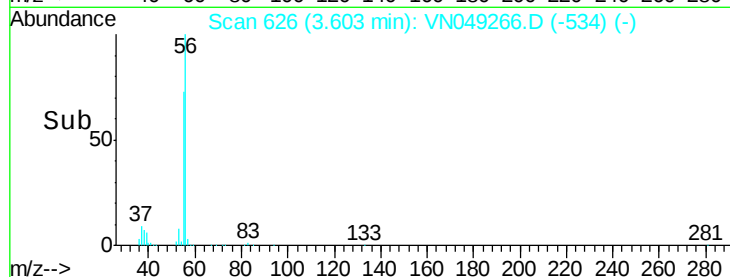
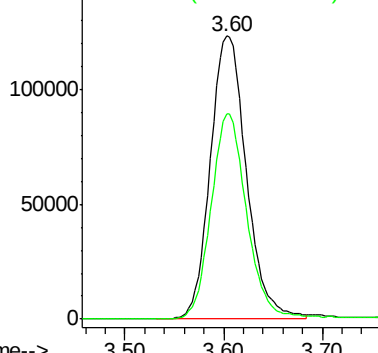
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.79 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

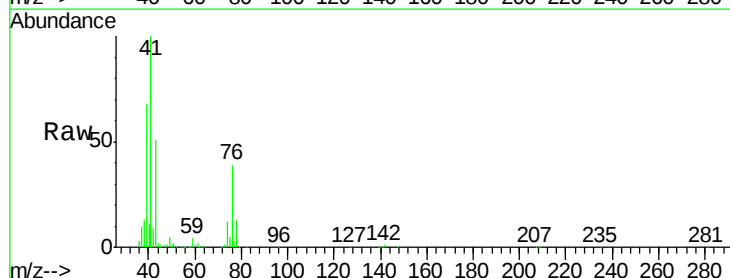
Tgt Ion: 41 Resp: 1384690

Ion Ratio Lower Upper

41 100

39 65.7 62.5 93.7

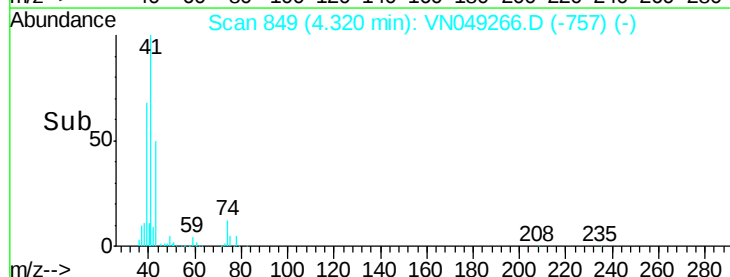
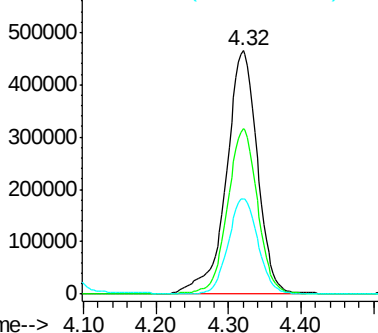
76 37.3 27.1 40.7



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





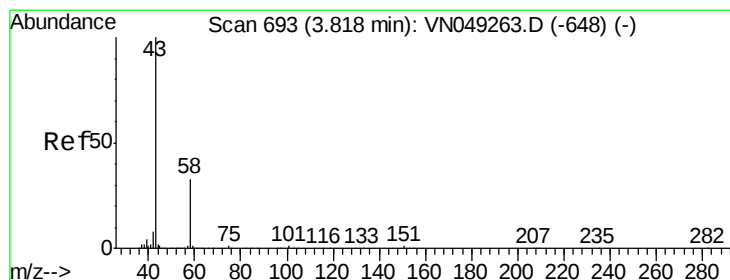
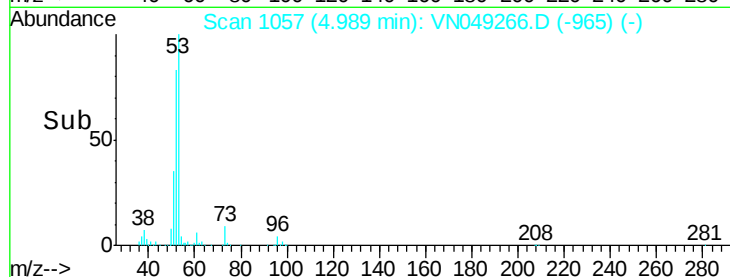
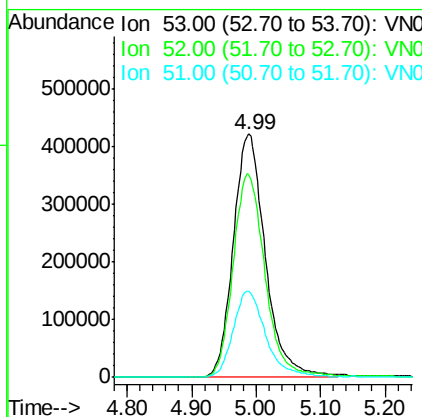
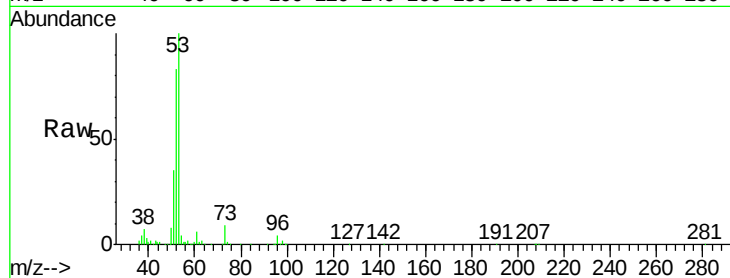
#15
 Acrylonitrile
 Concen: 229.23 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049266.D
 Acq: 15 Jun 2018 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061618

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.6	100.0
51	36.2	29.8	44.8

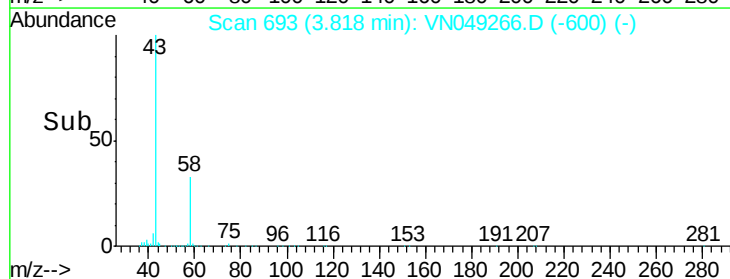
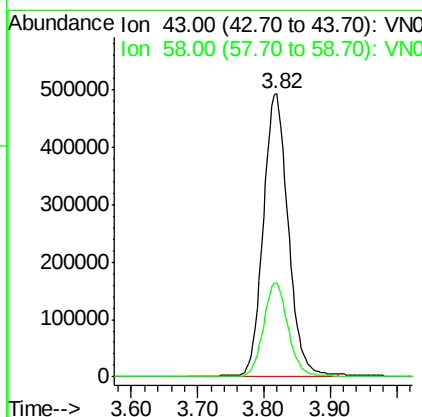
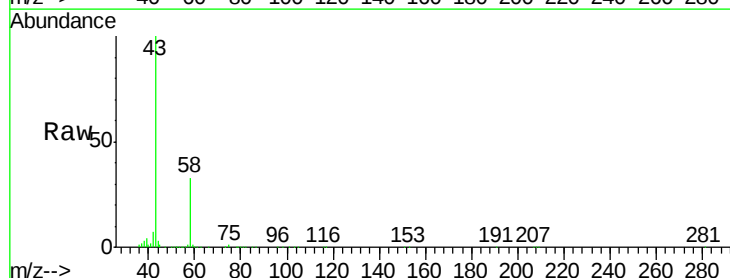
Manual Integrations
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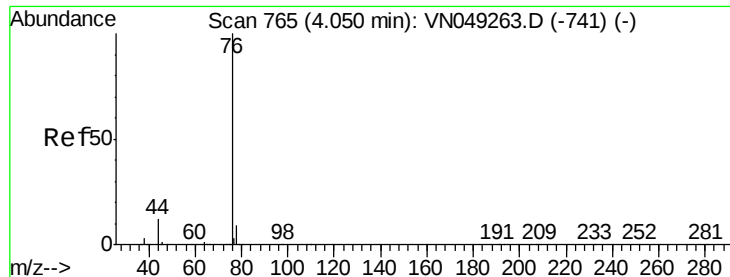
MMDadoda
 6/18/2018 3:16:15 PM



#16
 Acetone
 Concen: 246.76 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049266.D
 Acq: 15 Jun 2018 17:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.1	22.4	33.6





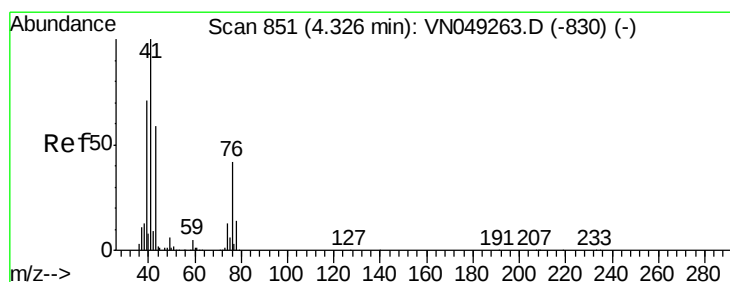
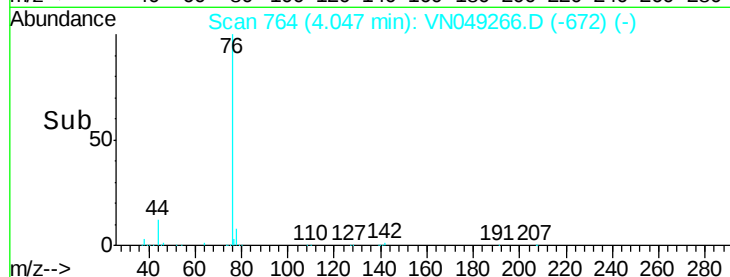
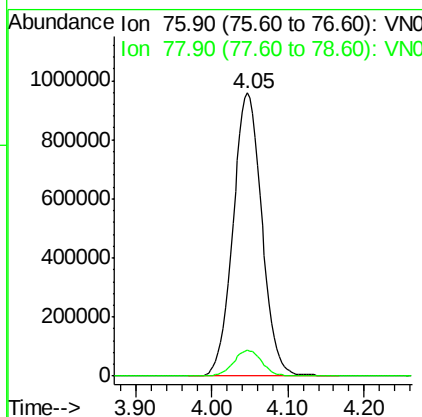
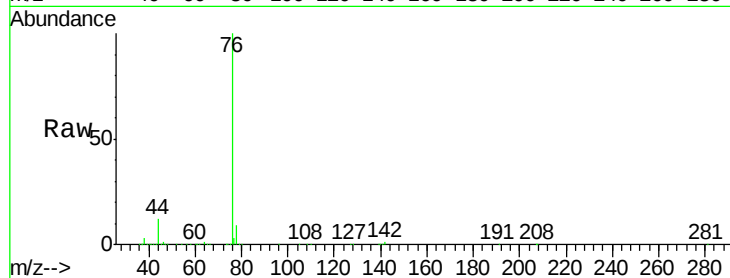
#17
Carbon Disulfide
Concen: 42.87 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061618

Tot Ion: 76 Resp: 2518779
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

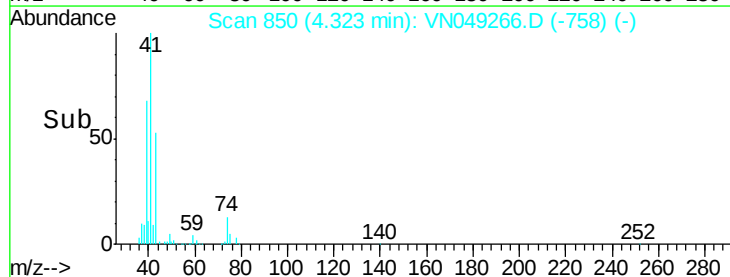
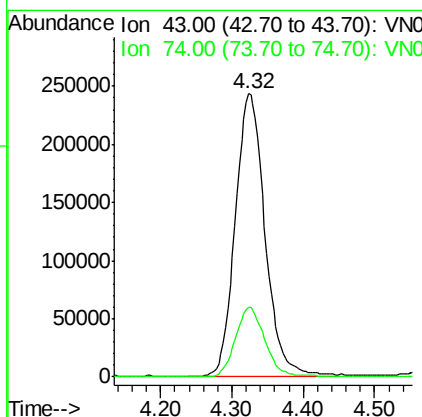
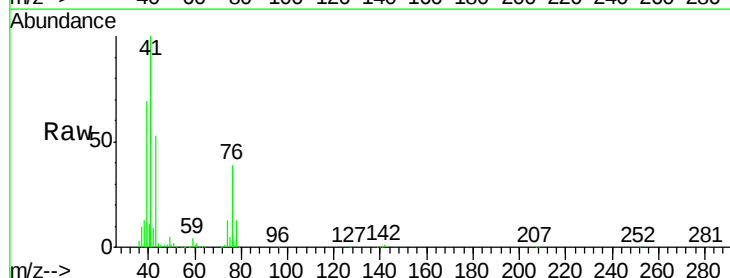
Manual Integrations
APPROVED

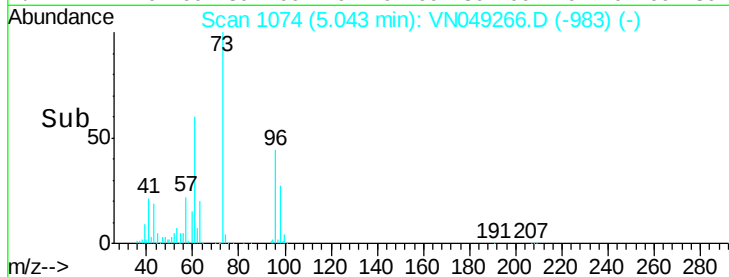
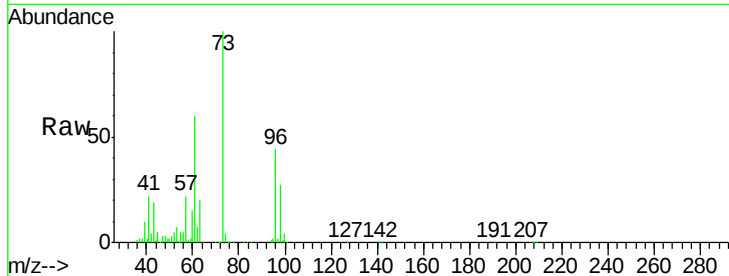
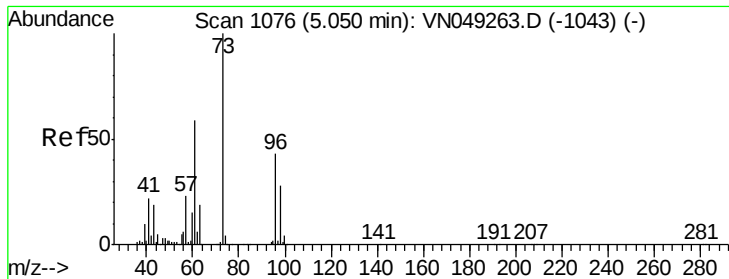
MMDadoda
6/18/2018 3:16:15 PM



#18
Methyl Acetate
Concen: 44.00 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Tgt Ion: 43 Resp: 706235
Ion Ratio Lower Upper
43 100
74 24.3 17.4 26.0





#19

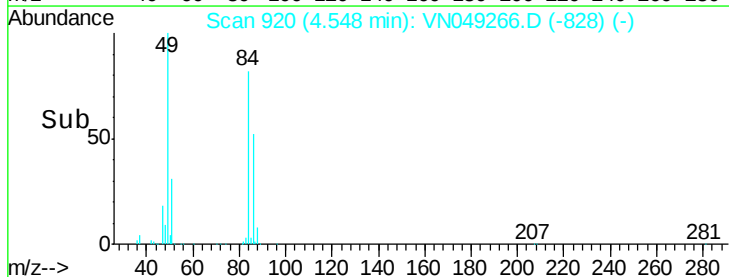
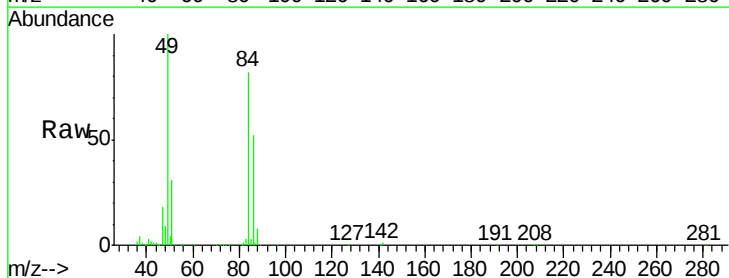
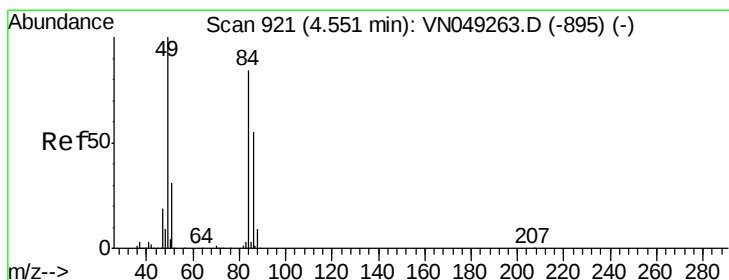
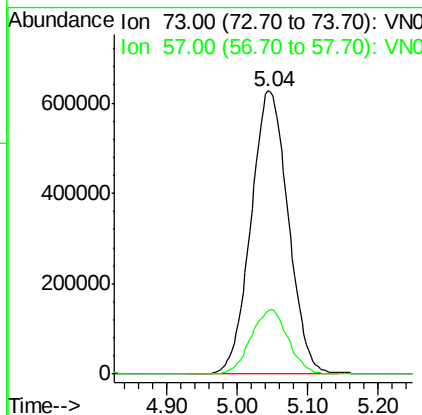
Methyl tert-butyl Ether
Concen: 48.37 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Tot Ion: 73 Resp: 2311487
Ion Ratio Lower Upper
73 100
57 22.2 18.2 27.4

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061618

Manual Integrations
APPROVED

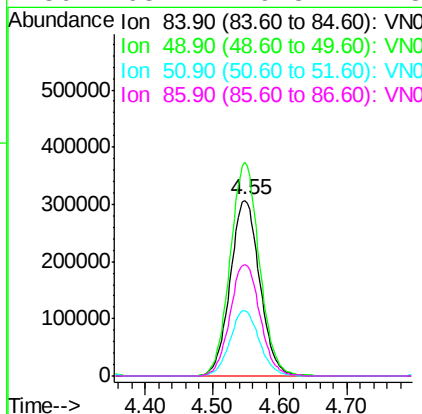
MMDadoda
6/18/2018 3:16:15 PM



#20

Methylene Chloride
Concen: 42.63 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Tgt Ion: 84 Resp: 937203
Ion Ratio Lower Upper
84 100
49 121.6 106.9 160.3
51 37.3 32.7 49.1
86 63.1 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 45.13 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

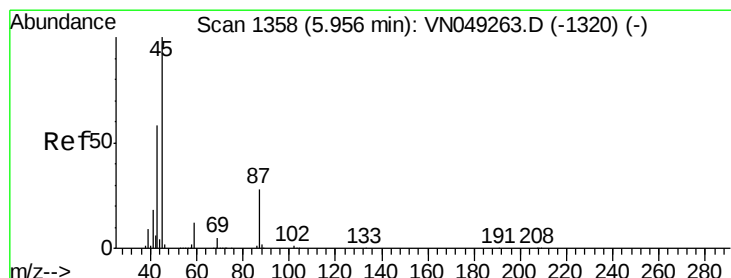
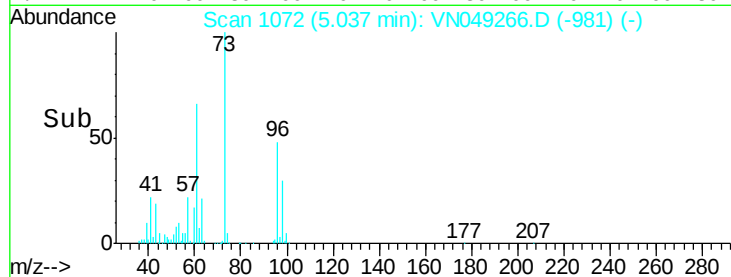
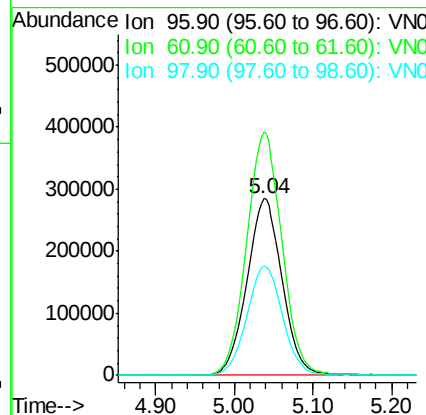
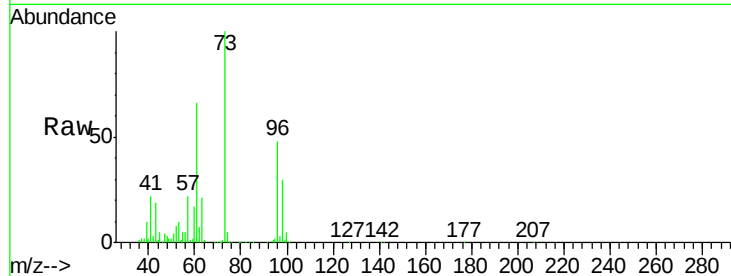
ClientSampleId :

ICVVN061618

Tot Ion:	96	Resp:	895495
Ion	Ratio	Lower	Upper
96	100		
61	138.0	121.3	181.9
98	62.1	52.0	78.0

Manual Integrations
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6/18/2018 3:16:15 PM



#22

Diisopropyl ether

Concen: 47.59 ug/l

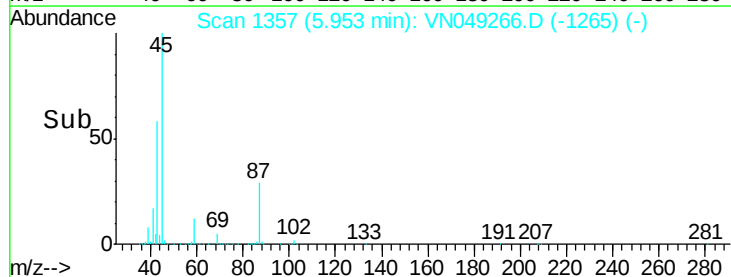
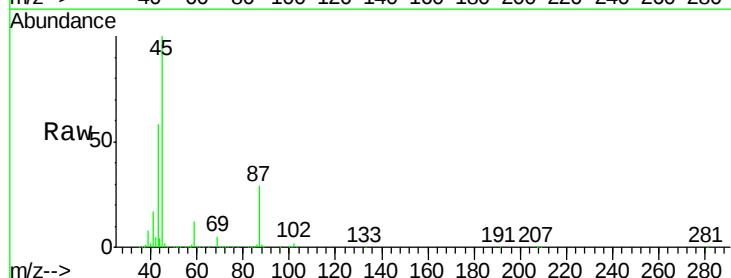
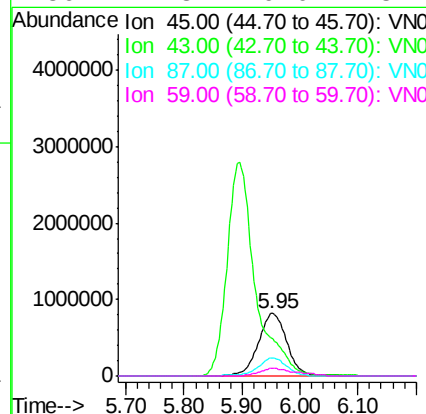
RT: 5.95 min Scan# 1357

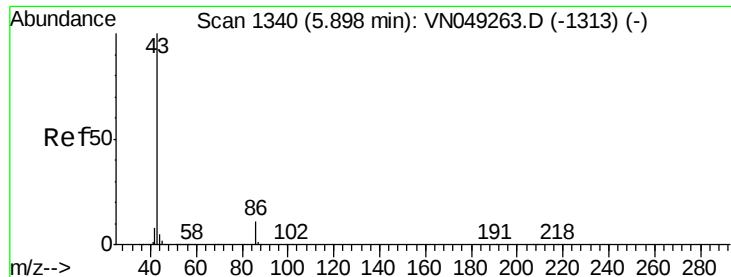
Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Tgt Ion:	45	Resp:	2812808
Ion	Ratio	Lower	Upper
45	100		
43	58.3	48.6	72.8
87	28.7	20.2	30.2
59	12.3	9.0	13.4





#23

Vinyl Acetate

Concen: 246.89 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion: 43 Resp: 9512134

Ion Ratio Lower Upper

43 100

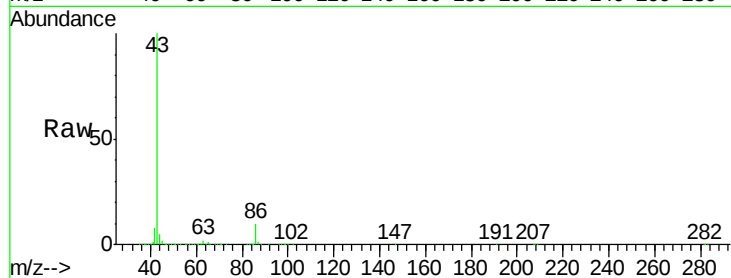
86 10.5 7.2 10.8

Manual Integrations

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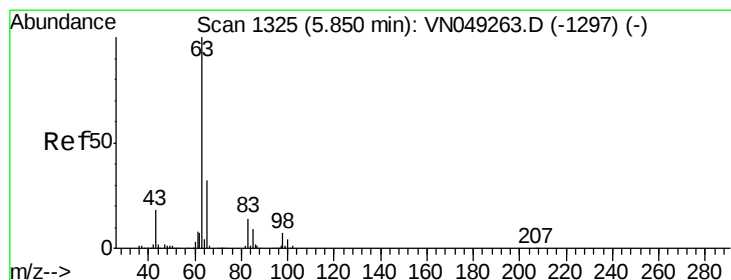
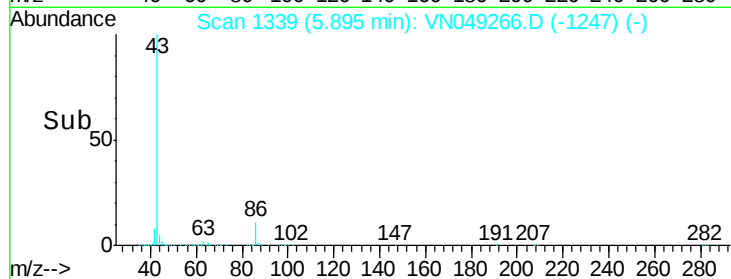
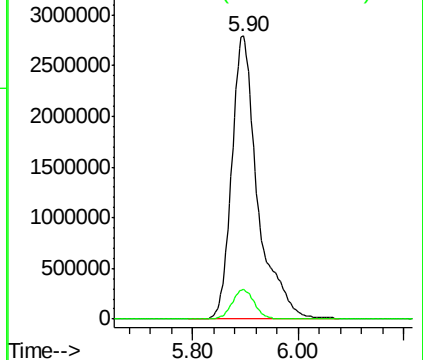
MMDadoda

6/18/2018 3:16:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 45.10 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

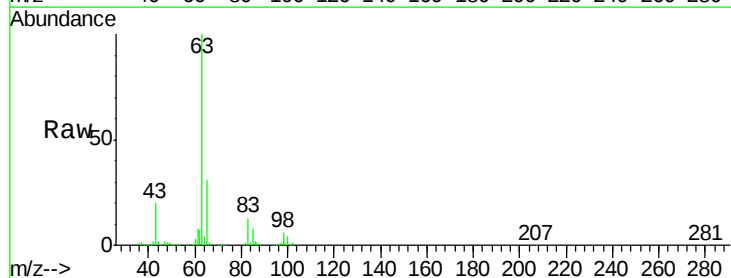
Tgt Ion: 63 Resp: 1705850

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

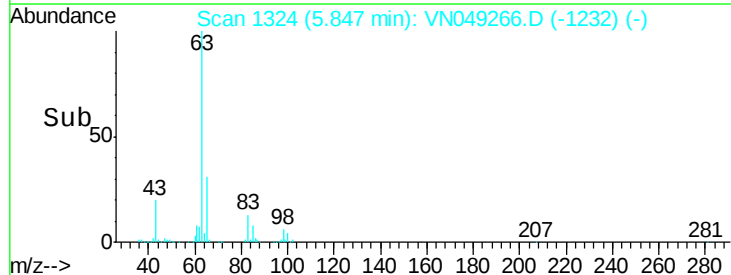
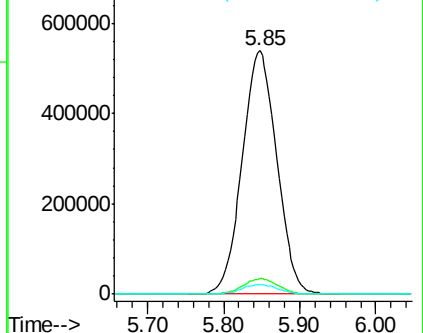
100 4.0 2.1 6.3

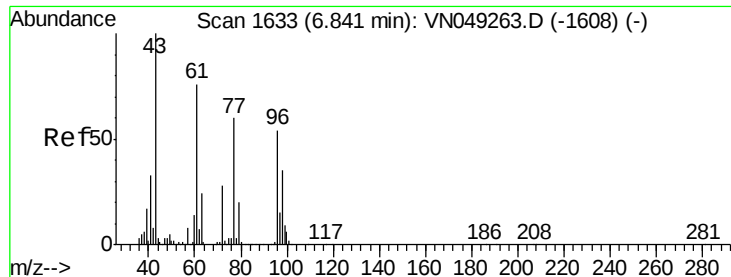


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 241.64 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Tot Ion: 43 Resp: 1708150

Ion Ratio Lower Upper

43 100

72 27.8 20.2 30.2

Instrument :

MSVOA_N

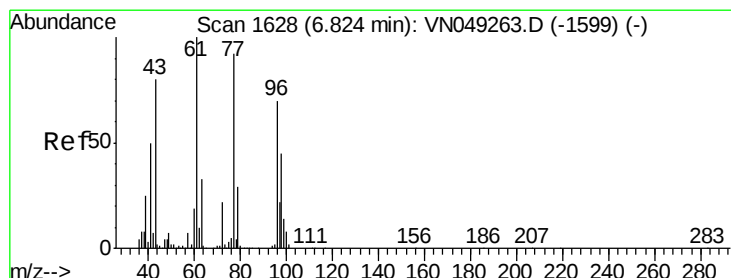
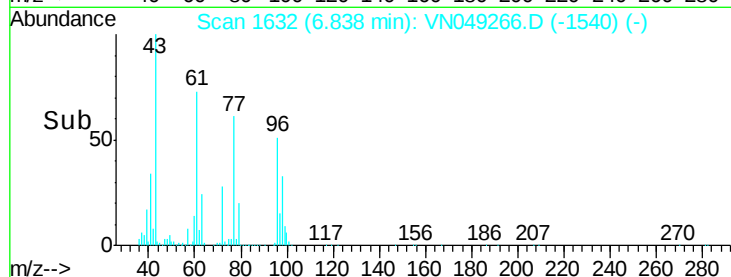
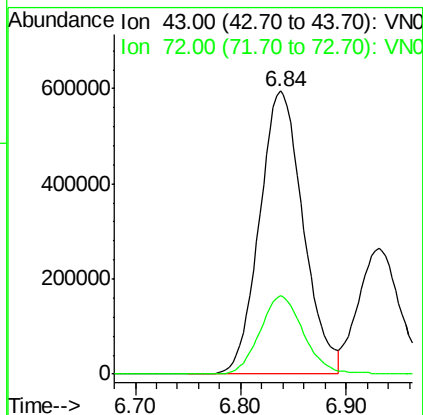
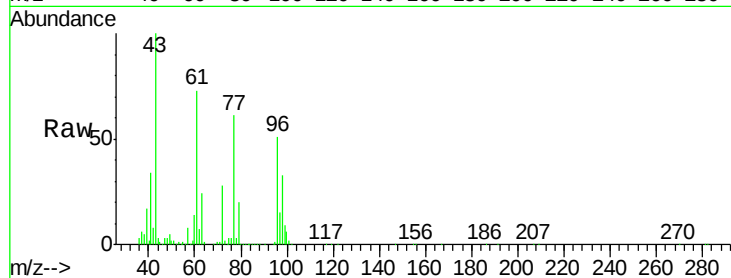
ClientSampleId :

ICVVN061618

Manual Integrations
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MMDadoda

6/18/2018 3:16:15 PM



#26

2,2-Dichloropropane

Concen: 47.24 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049266.D

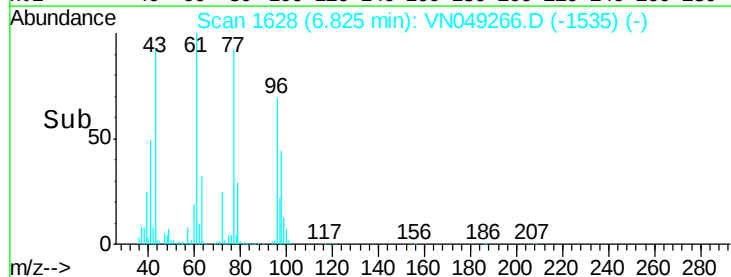
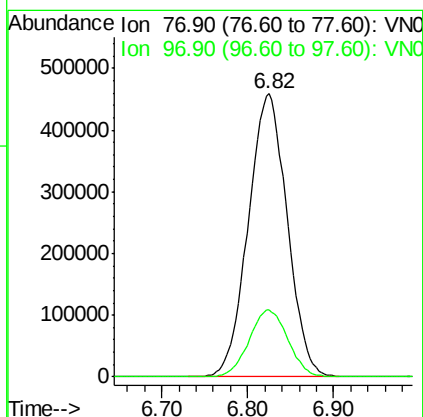
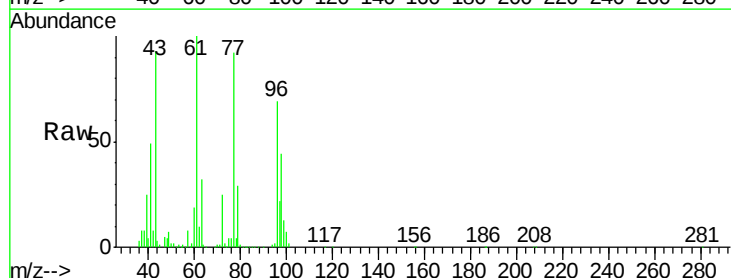
Acq: 15 Jun 2018 17:43

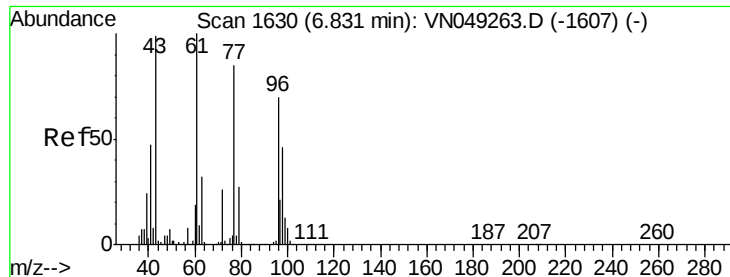
Tgt Ion: 77 Resp: 1443143

Ion Ratio Lower Upper

77 100

97 23.6 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 46.39 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion: 96 Resp: 1023390

Ion Ratio Lower Upper

96 100

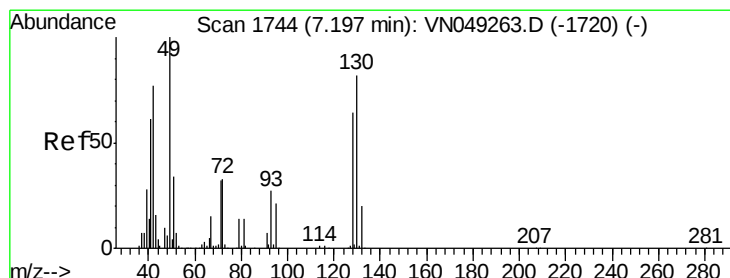
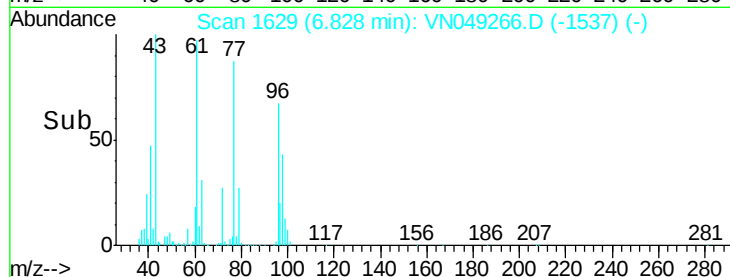
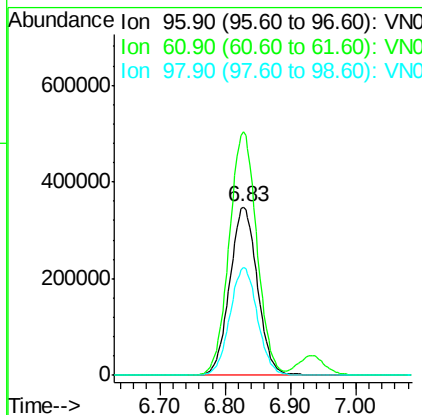
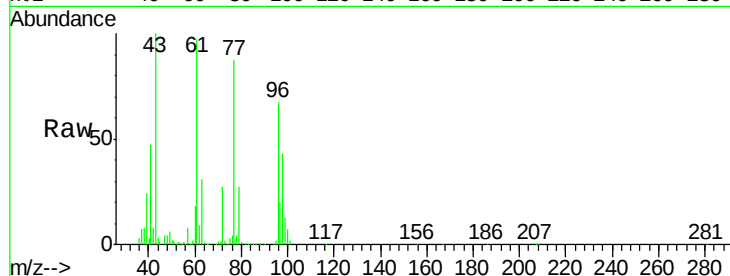
61 144.2 0.0 316.4

98 63.9 0.0 128.4

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#28

Bromochloromethane

Concen: 45.45 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

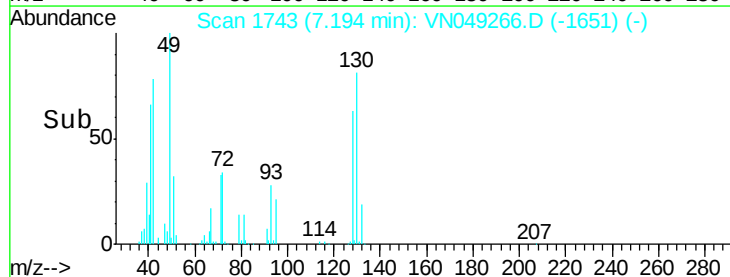
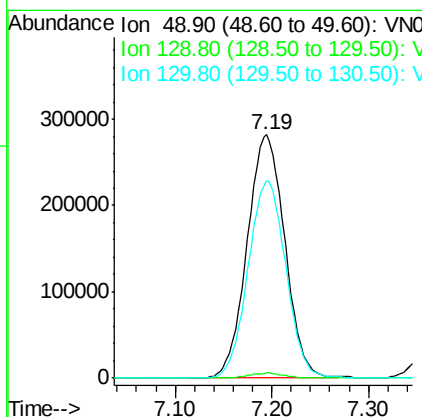
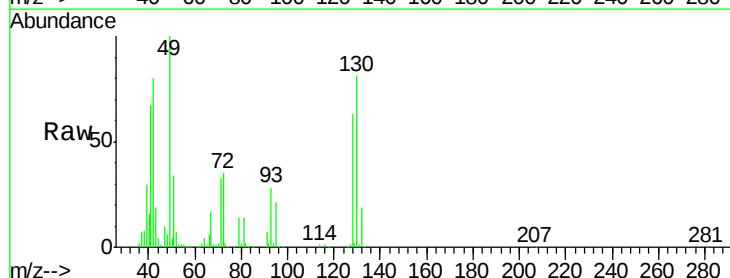
Tgt Ion: 49 Resp: 762234

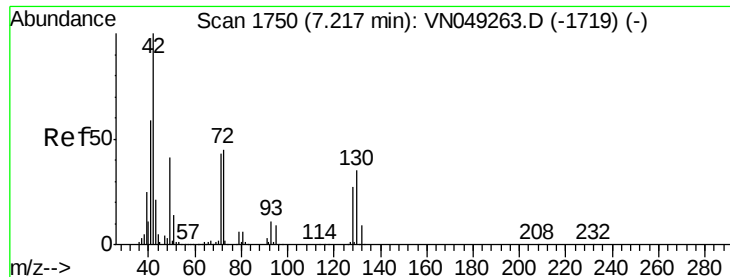
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 81.5 54.9 82.3





#29

Tetrahydrofuran

Concen: 232.84 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion: 42 Resp: 1059473

Ion Ratio Lower Upper

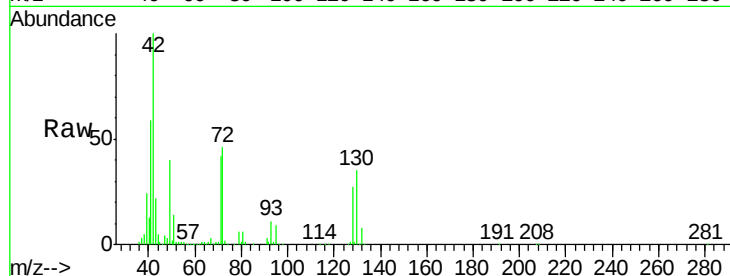
42 100

72 44.8 32.2 48.4

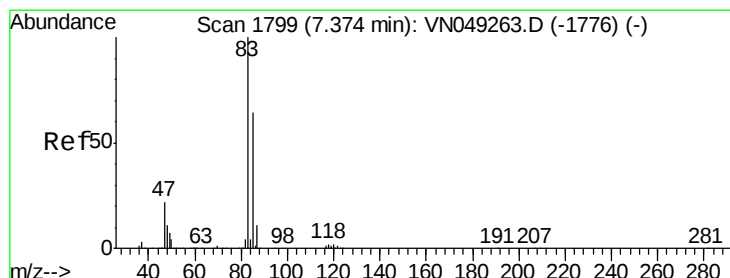
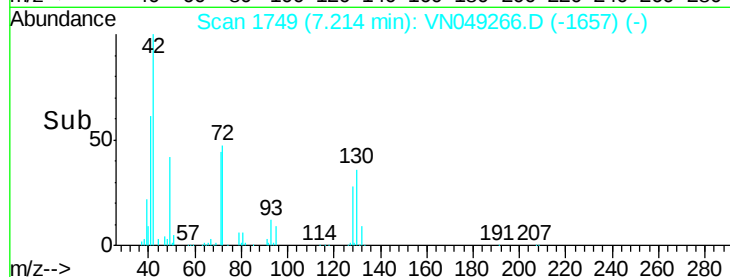
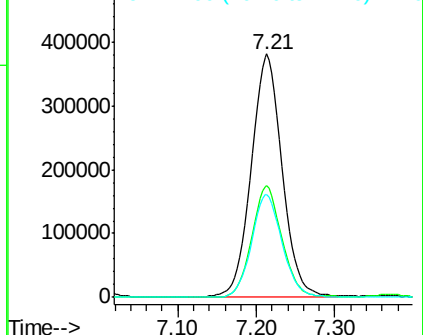
71 42.2 30.5 45.7

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Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 44.89 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN049266.D

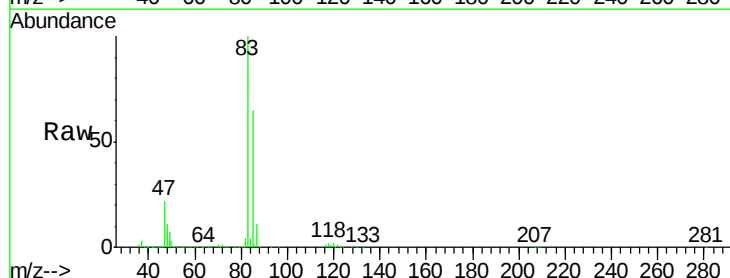
Acq: 15 Jun 2018 17:43

Tgt Ion: 83 Resp: 1689909

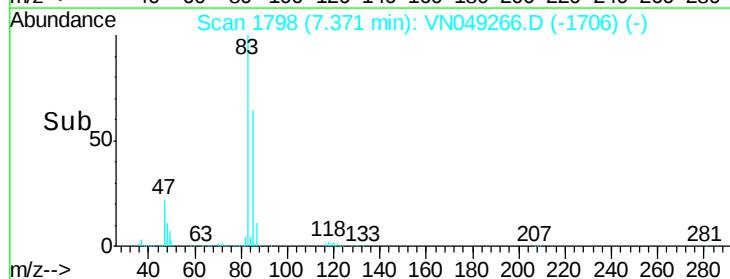
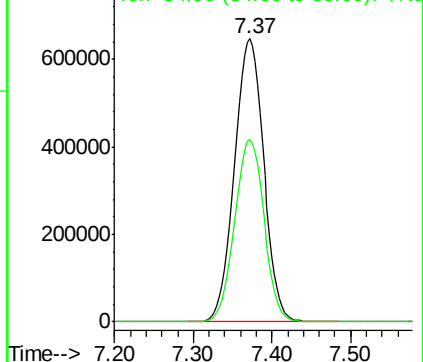
Ion Ratio Lower Upper

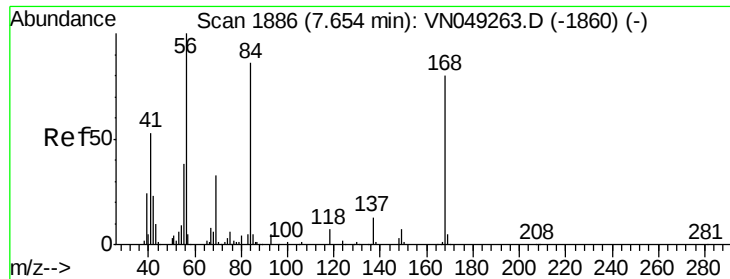
83 100

85 64.6 51.7 77.5



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





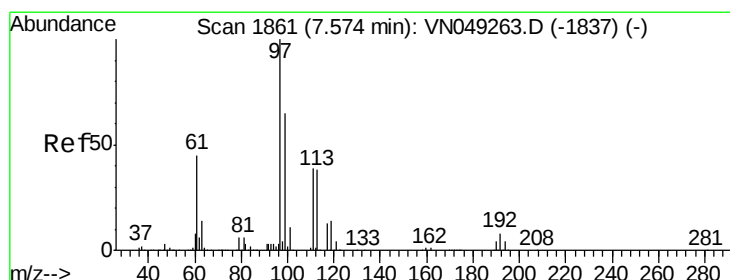
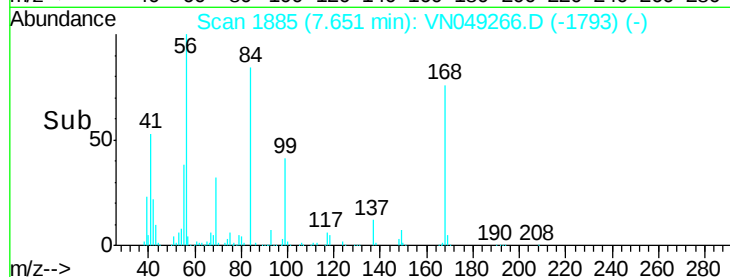
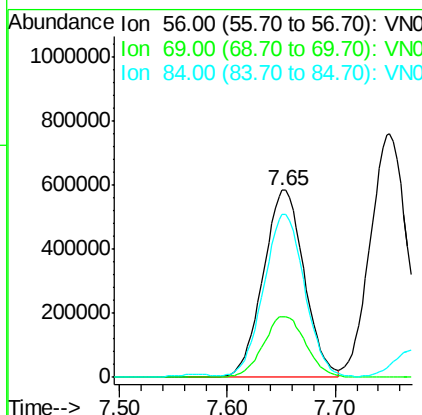
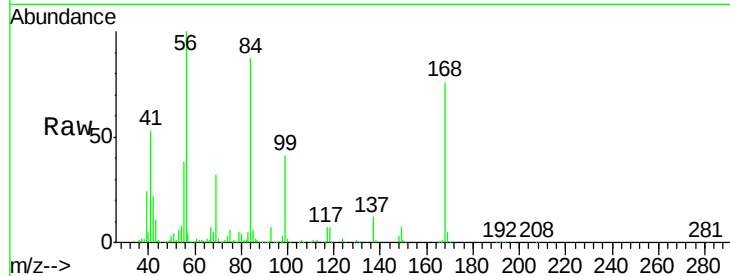
#31
Cyclohexane
Concen: 47.97 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061618

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.0	37.4
84	85.7	64.6	96.8

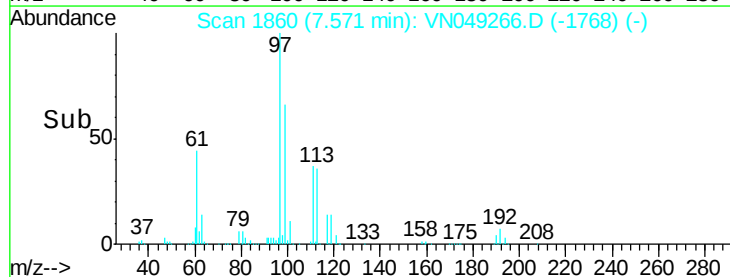
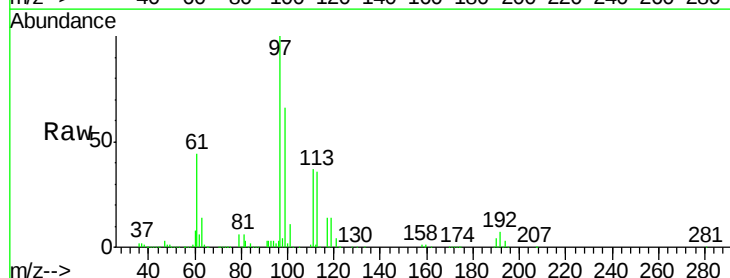
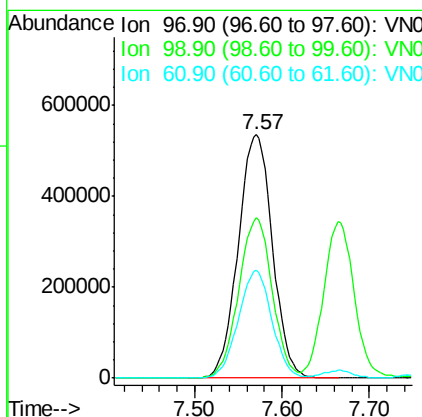
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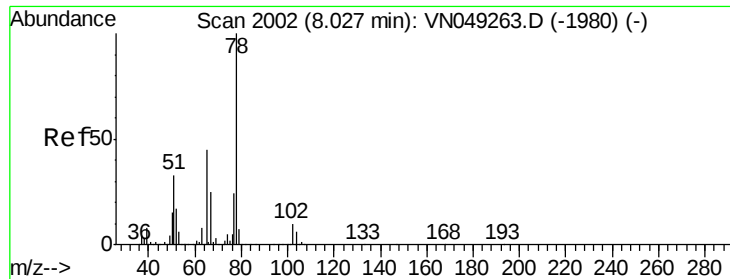
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 45.28 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.5	75.7
61	43.3	37.9	56.9





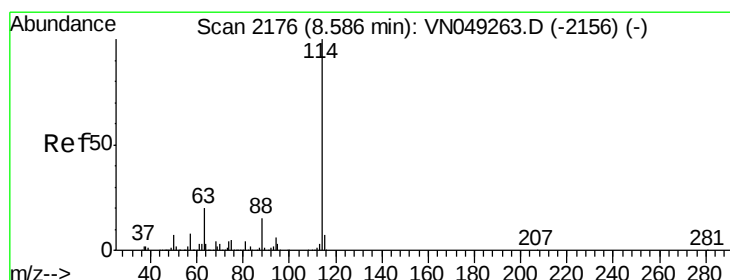
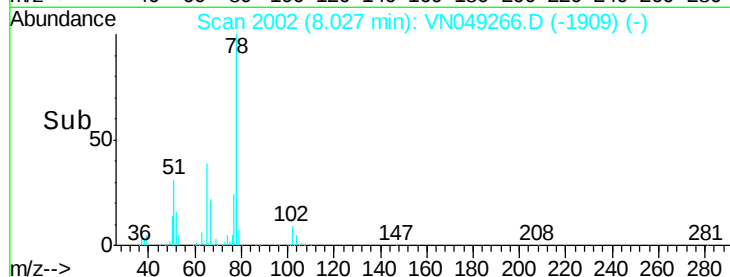
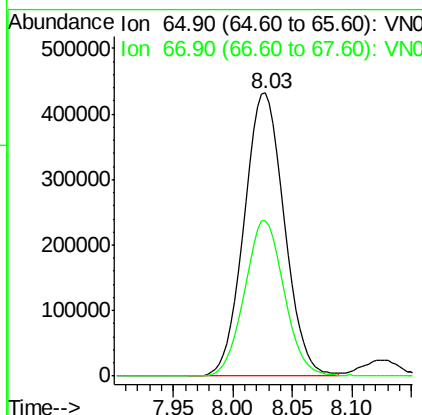
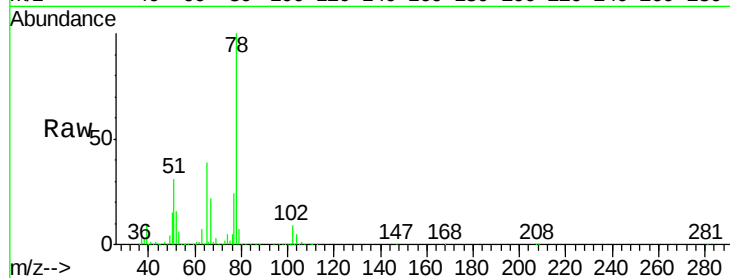
#33
 1,2-Dichloroethane-d4
 Concen: 46.72 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049266.D
 Acq: 15 Jun 2018 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061618

Tot Ion: 65 Resp: 1012999
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 103.8

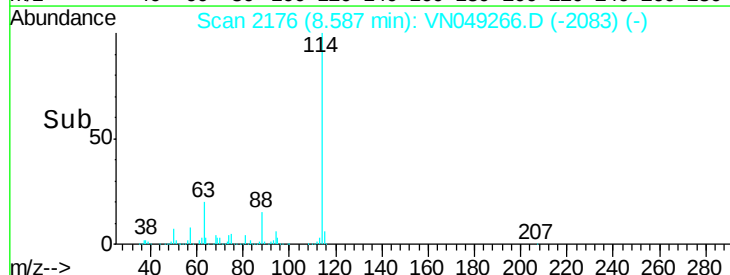
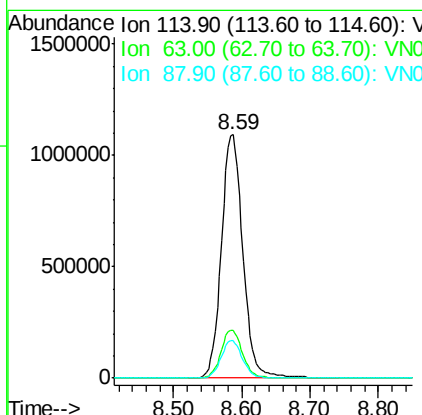
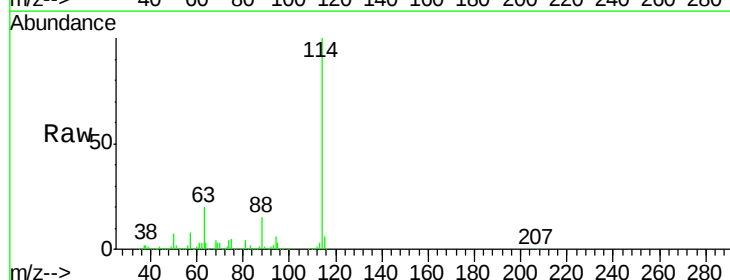
Manual Integrations
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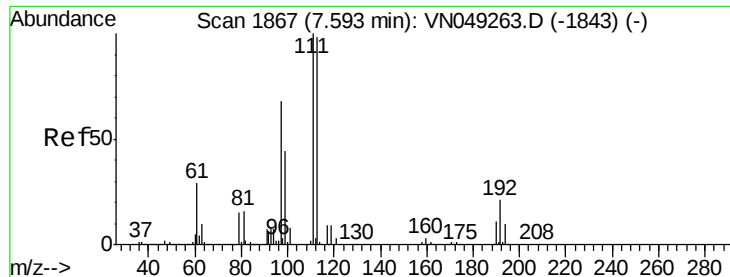
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049266.D
 Acq: 15 Jun 2018 17:43

Tgt Ion: 114 Resp: 2385309
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 44.4
 88 15.4 0.0 31.4





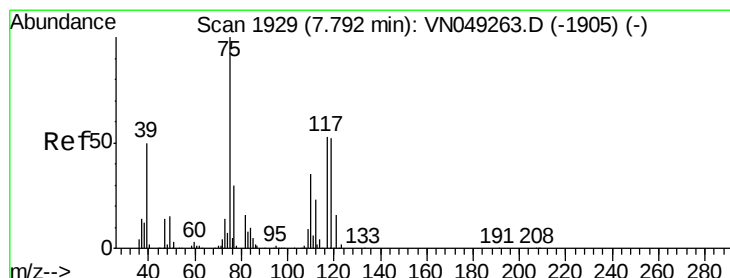
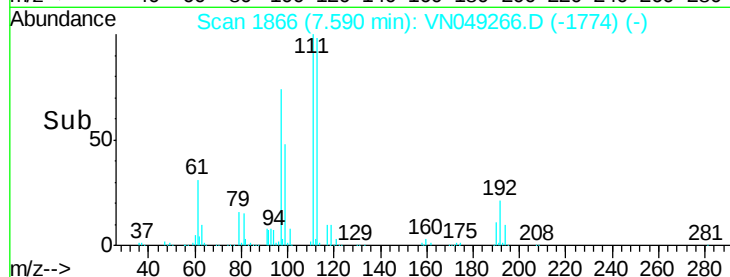
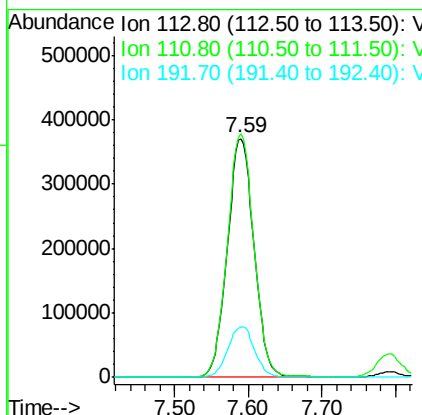
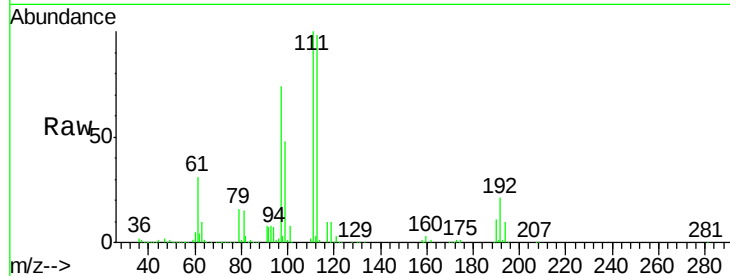
#35
 Dibromofluoromethane
 Concen: 48.42 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049266.D
 Acq: 15 Jun 2018 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061618

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.4	123.6
192	21.3	15.0	22.6

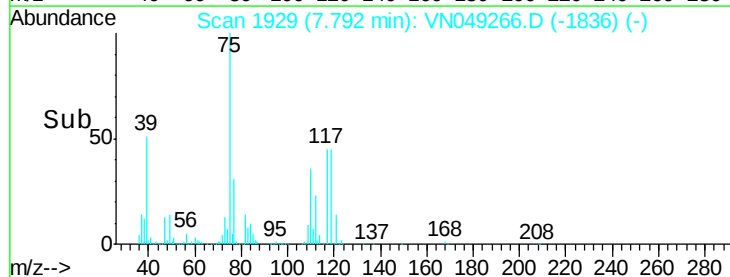
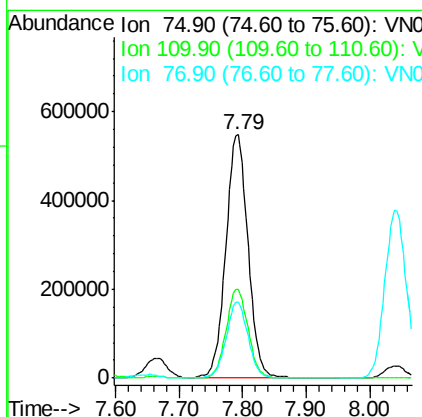
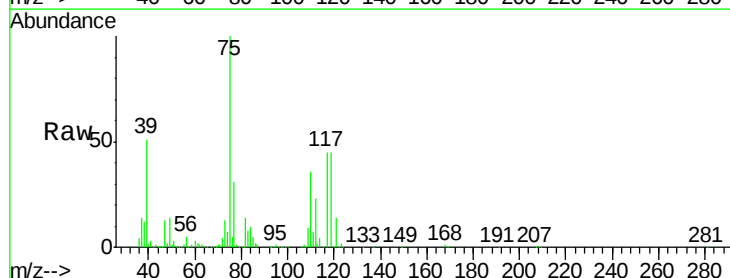
Manual Integrations
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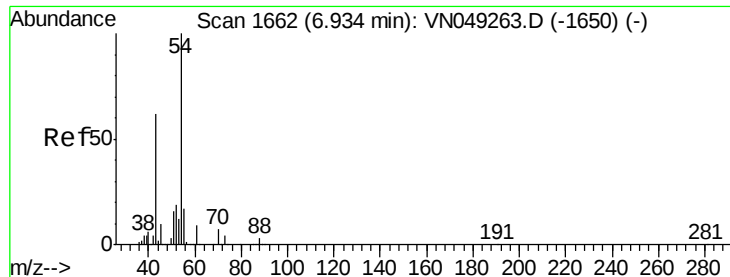
MMDadoda
 6/18/2018 3:16:15 PM



#36
 1,1-Dichloropropene
 Concen: 48.55 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049266.D
 Acq: 15 Jun 2018 17:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.0	50.9
77	30.8	24.4	36.6





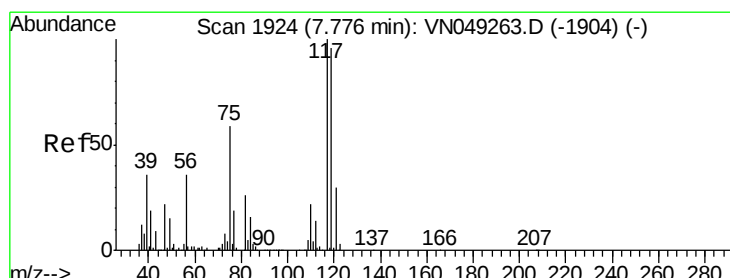
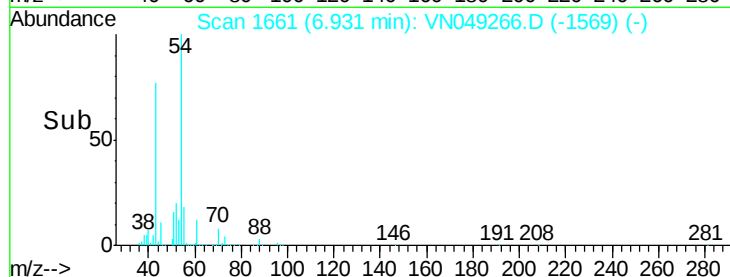
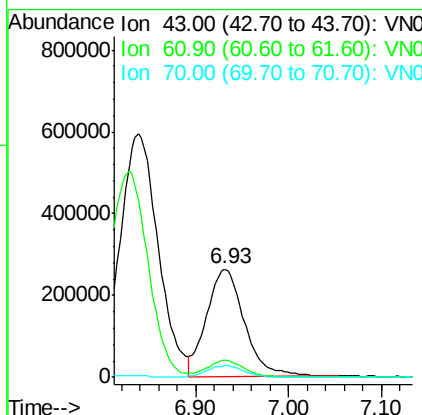
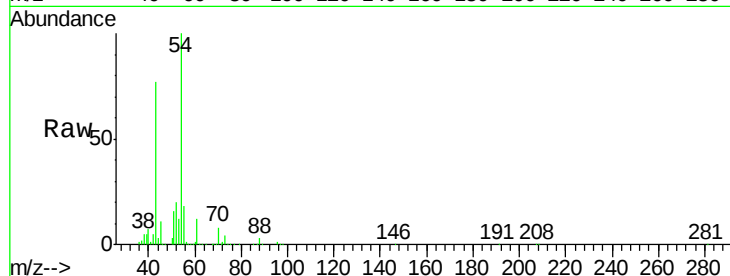
#37
Ethyl Acetate
Concen: 49.99 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061618

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.0	16.4
70	10.5	7.2	10.8

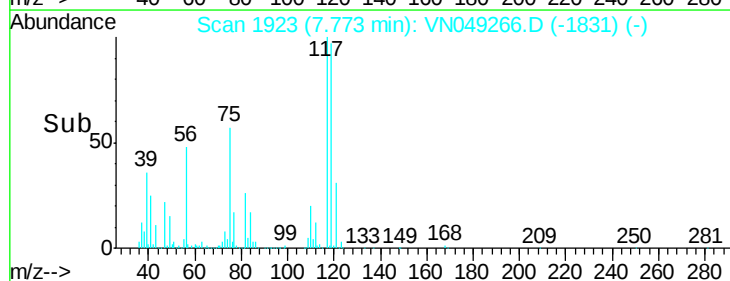
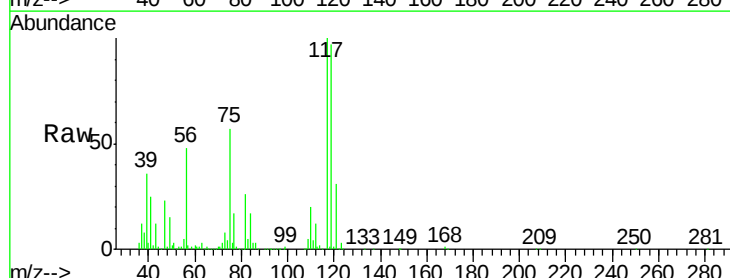
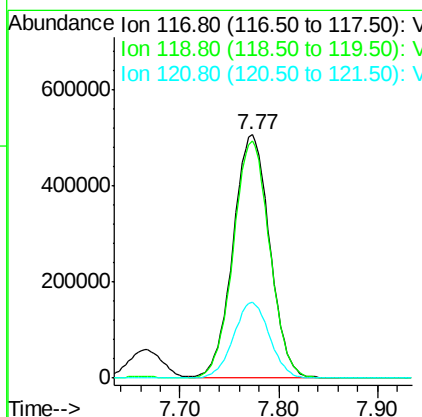
Manual Integrations
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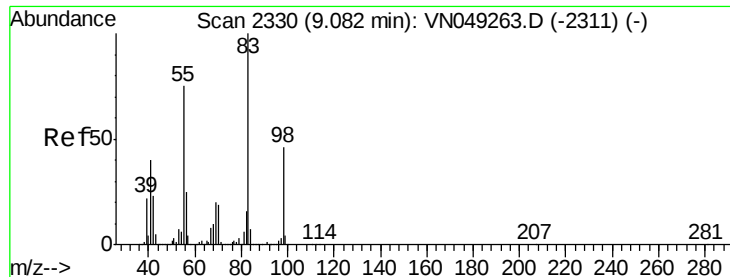
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#38
Carbon Tetrachloride
Concen: 46.15 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.6	113.4
121	31.1	24.7	37.1





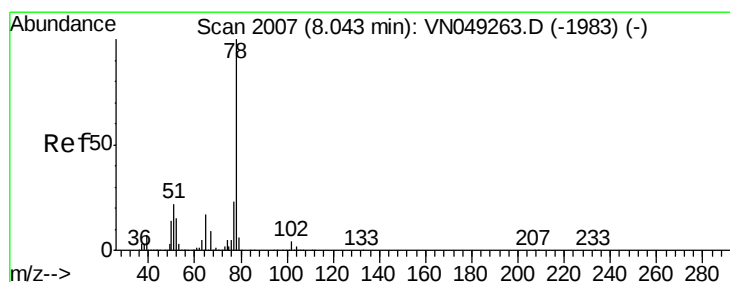
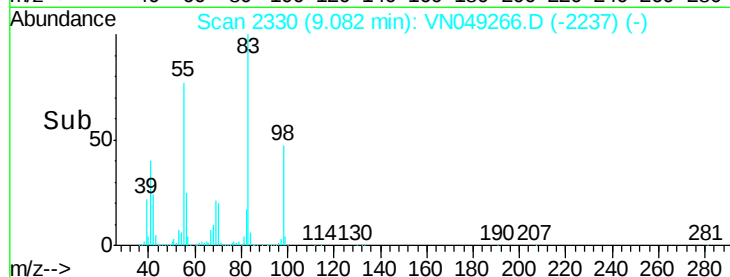
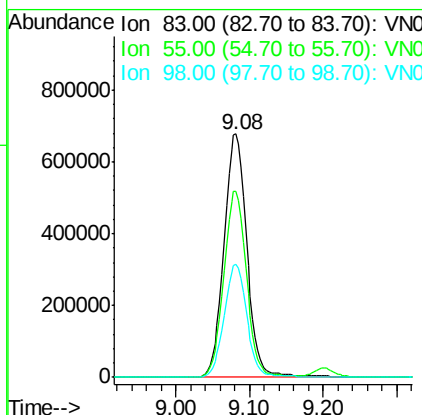
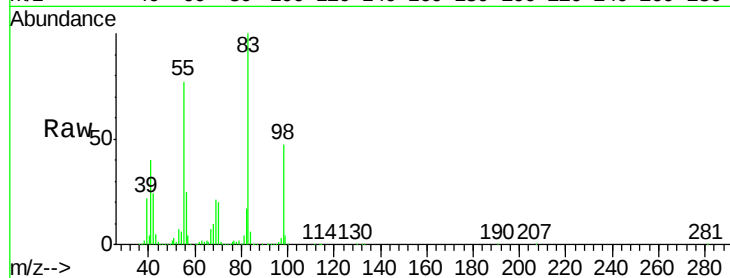
#39
Methvlcvclohexane
Concen: 50.09 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061618

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	65.1	97.7
98	46.6	36.5	54.7

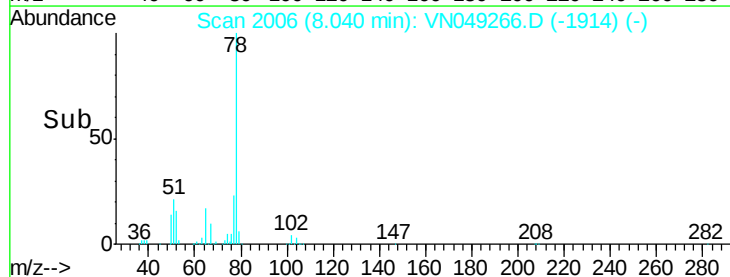
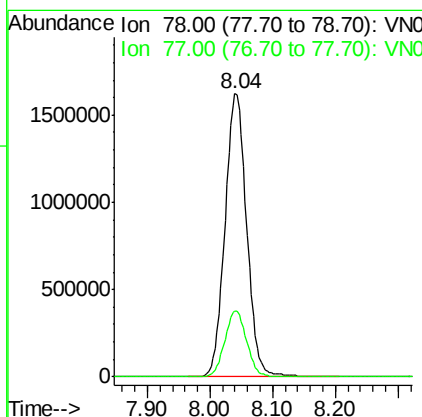
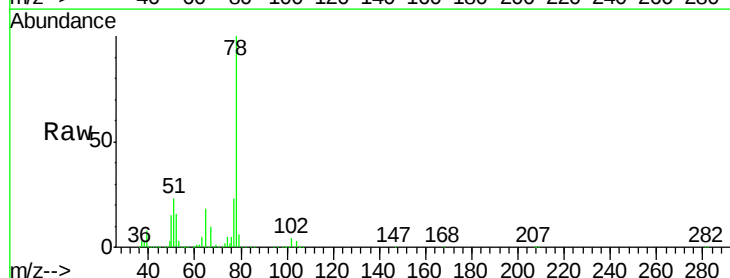
Manual Integrations
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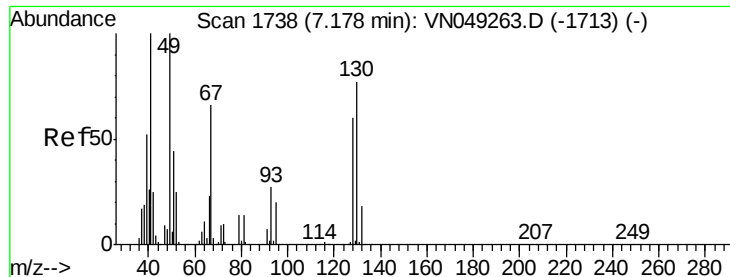
MMDadoda
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#40
Benzene
Concen: 46.31 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.4	29.0





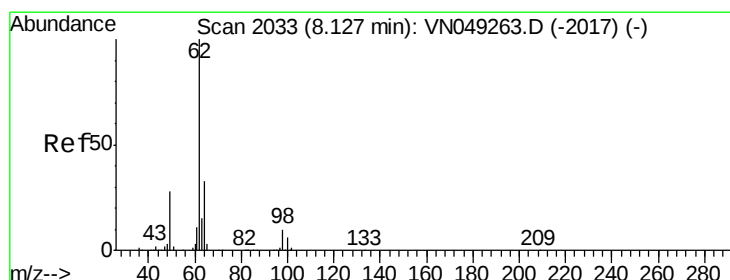
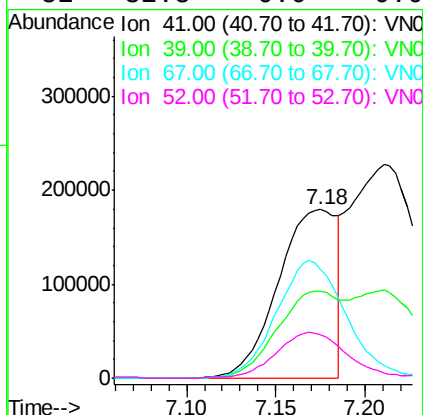
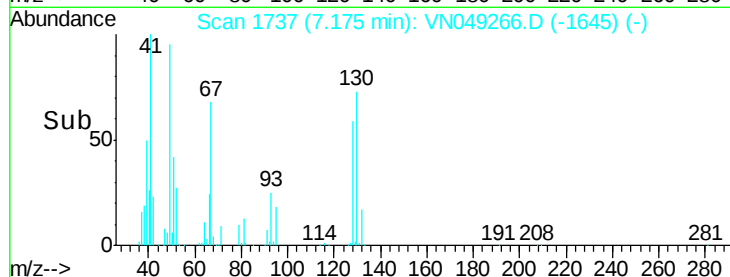
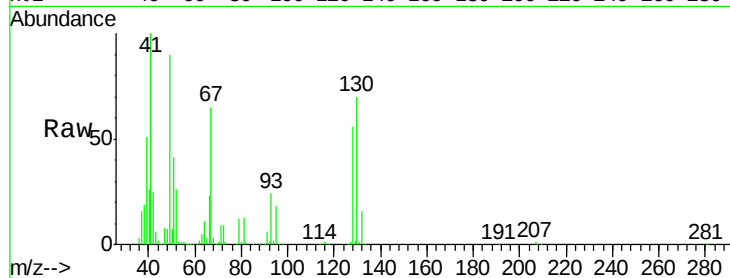
#41
Methacrylonitrile
Concen: 50.76 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061618

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.3	0.0	0.0#
67	83.8	0.0	0.0#
52	32.8	0.0	0.0#

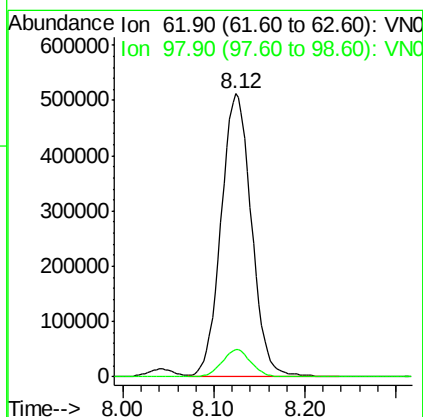
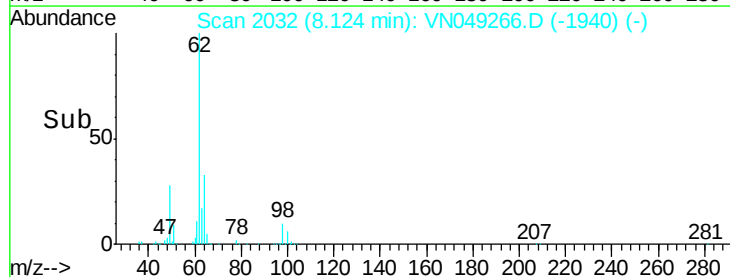
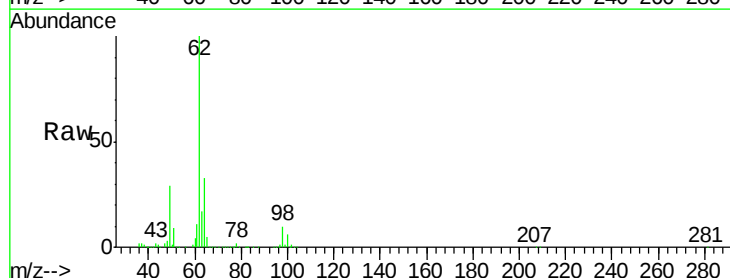
Manual Integrations
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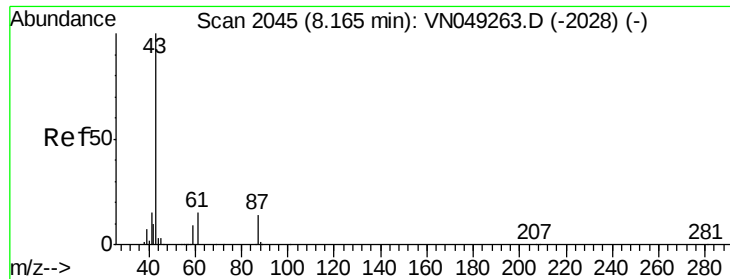
MMDadoda
6/18/2018 3:16:15 PM



#42
1,2-Dichloroethane
Concen: 45.62 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	16.2





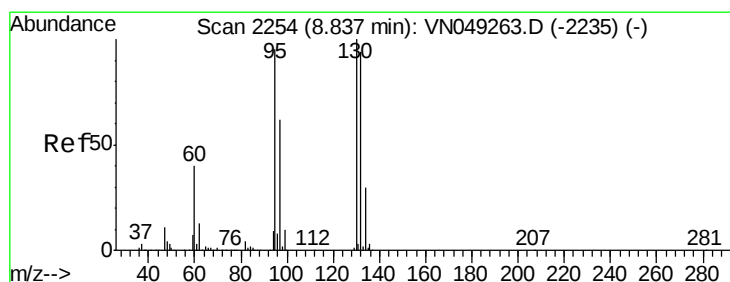
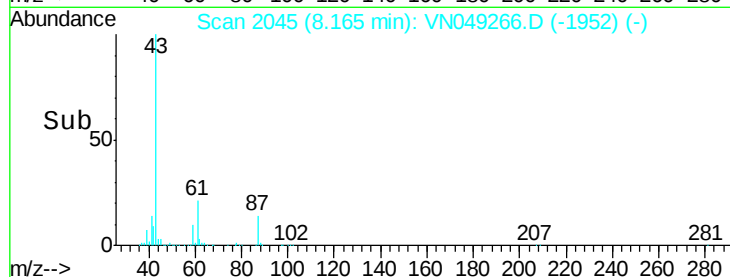
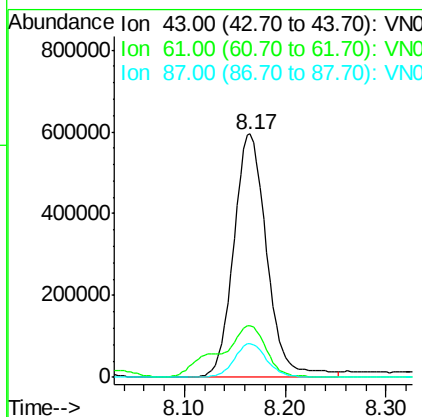
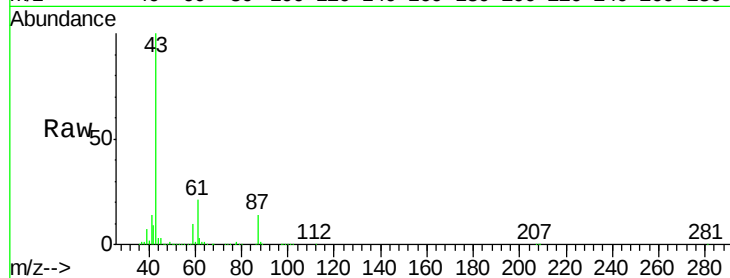
#43
Isopropyl Acetate
Concen: 47.78 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061618

Tot Ion	43	Resp	1356800
Ion Ratio	100	Lower	Upper
43	100		
61	29.8	14.2	21.4#
87	13.7	9.4	14.0

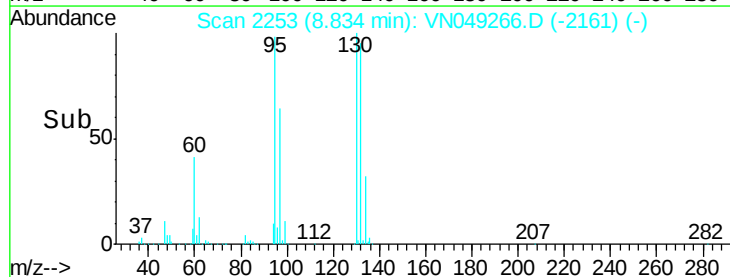
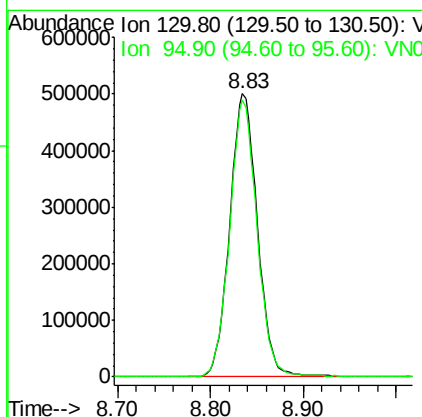
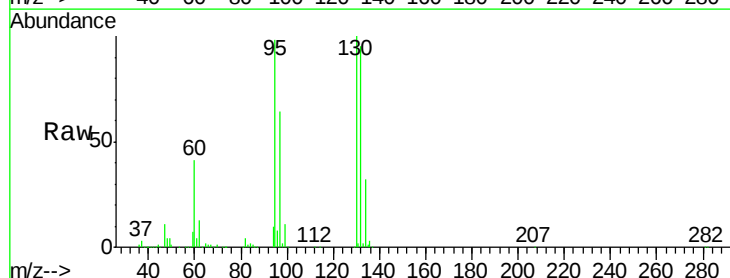
Manual Integrations
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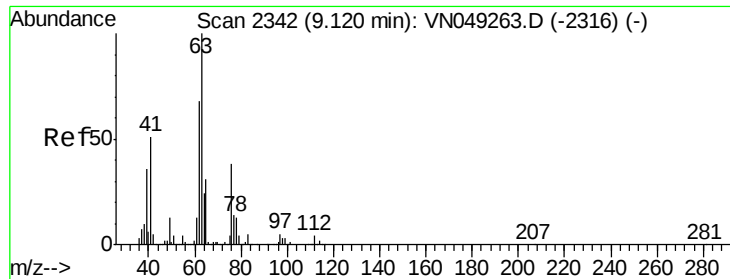
MMDadoda
6/18/2018 3:16:15 PM



#44
Trichloroethene
Concen: 46.90 ug/l
RT: 8.83 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Tgt Ion	130	Resp	1038057
Ion Ratio	100	Lower	Upper
130	100		
95	97.6	0.0	208.6





#45

1,2-Dichloropropane

Concen: 47.04 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampled :

ICVVN061618

Tot Ion: 63 Resp: 1032219

Ion Ratio Lower Upper

63 100

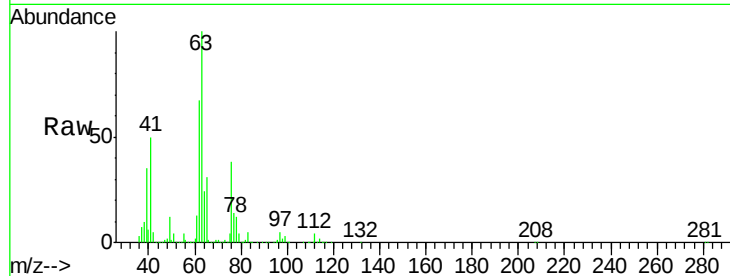
65 30.6 24.8 37.2

Manual Integrations

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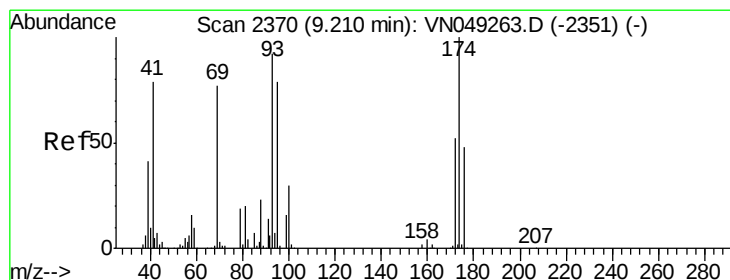
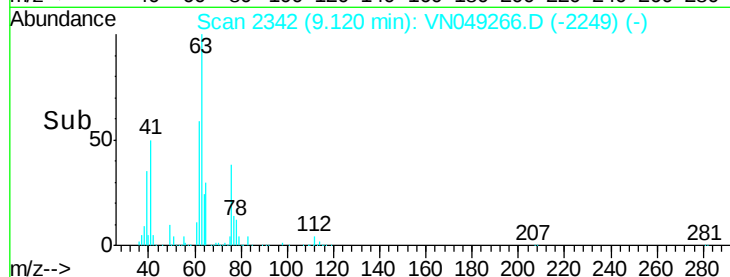
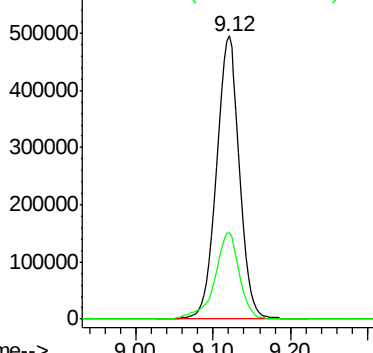
MMDadoda

6/18/2018 3:16:15 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 45.95 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

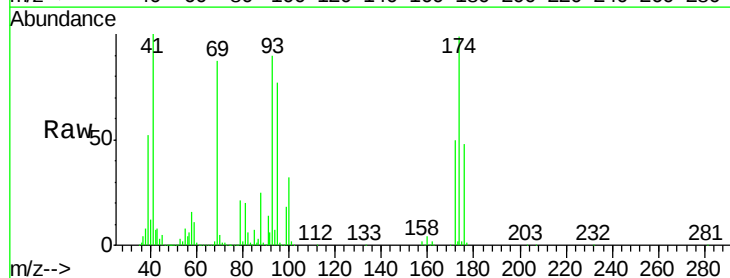
Tgt Ion: 93 Resp: 584715

Ion Ratio Lower Upper

93 100

95 83.2 67.2 100.8

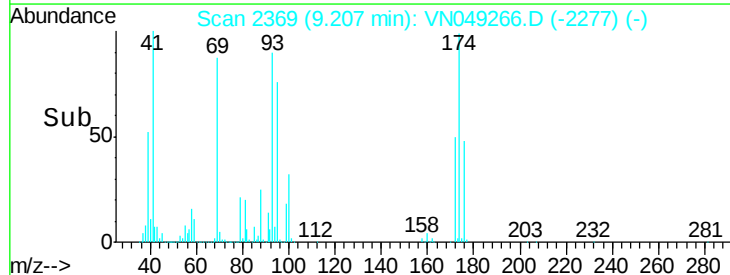
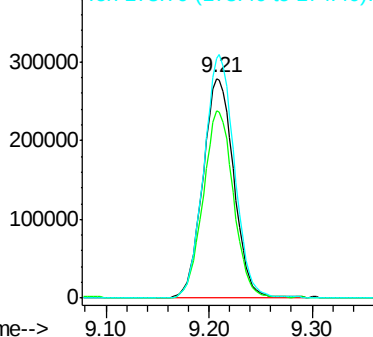
174 108.7 75.6 113.4

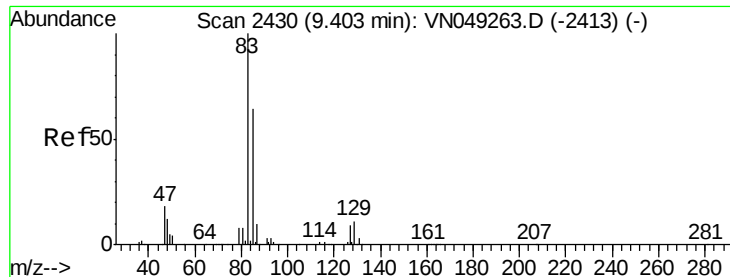


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 46.30 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion: 83 Resp: 1294720

Ion Ratio Lower Upper

83 100

85 64.7 49.4 74.0

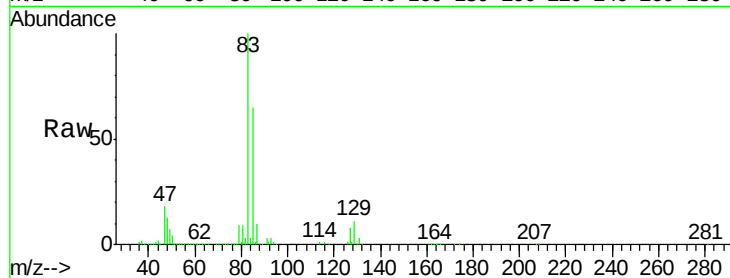
127 8.4 6.3 9.5

Manual Integrations

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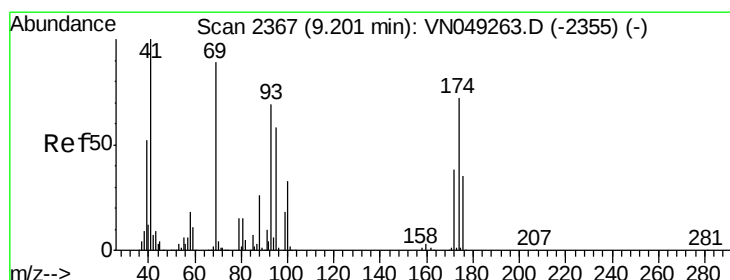
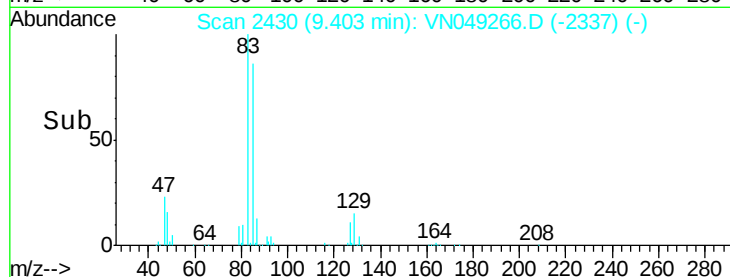
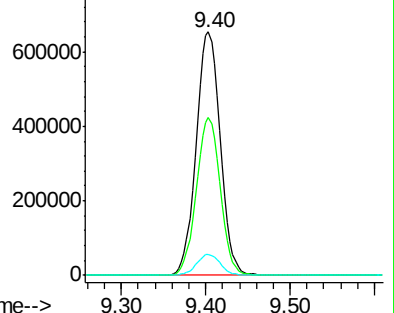
6/18/2018 3:16:15 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049266.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049266.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049266.D (-2337) (-)



#48

Methyl methacrylate

Concen: 48.48 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

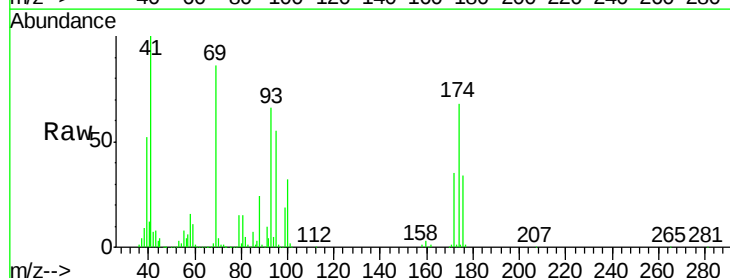
Tgt Ion: 41 Resp: 648241

Ion Ratio Lower Upper

41 100

69 91.9 62.0 93.0

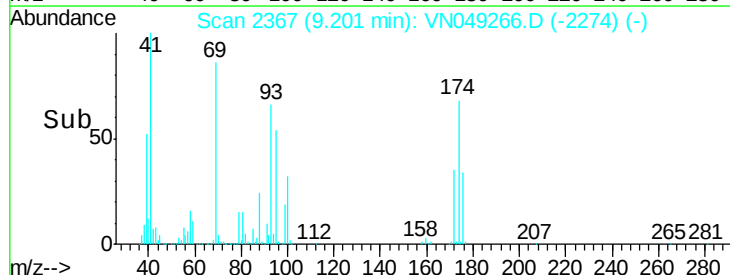
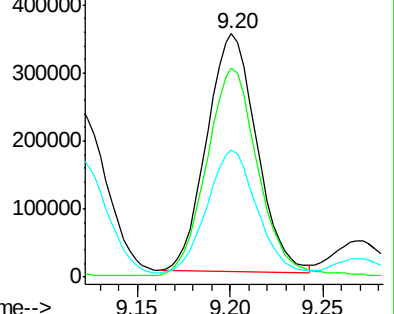
39 55.7 50.6 75.8

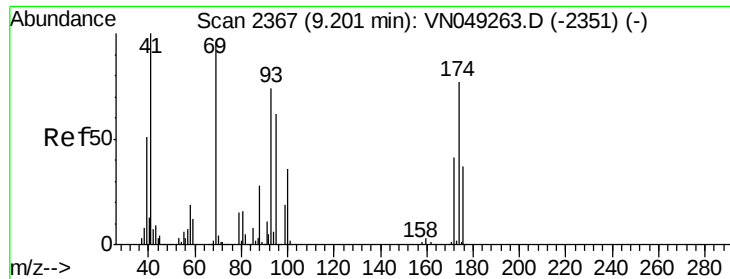


Abundance Ion 41.00 (40.70 to 41.70): VN049266.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049266.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049266.D (-2274) (-)





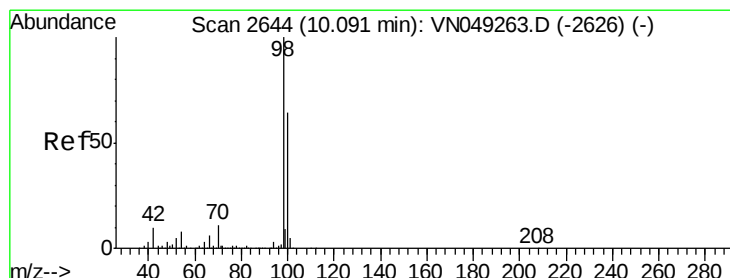
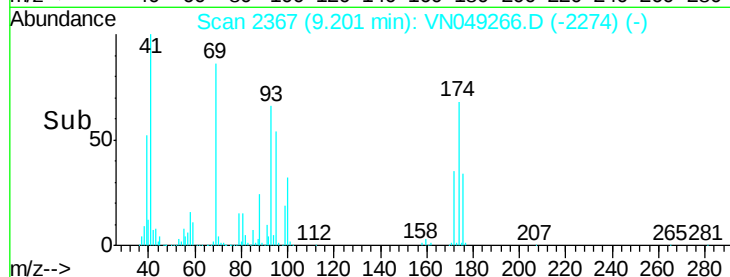
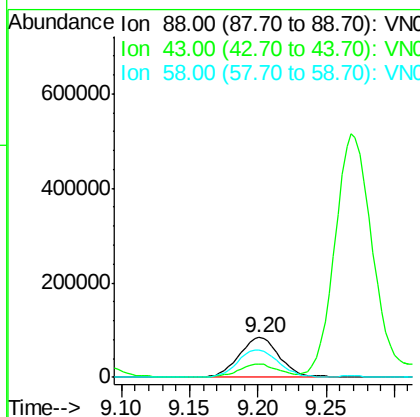
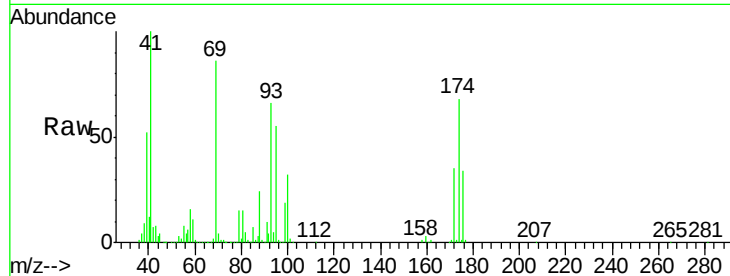
#49
1,4-Dioxane
Concen: 940.86 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061618

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	30.9	46.3#
58	70.2	58.9	88.3

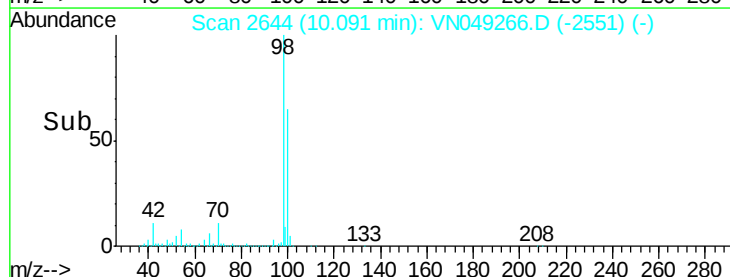
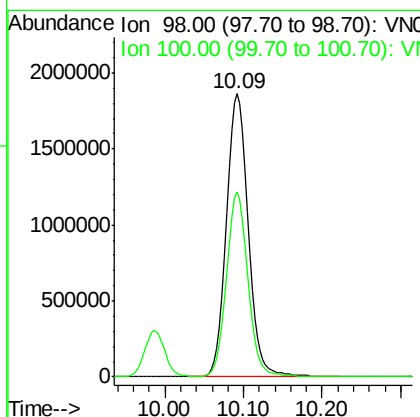
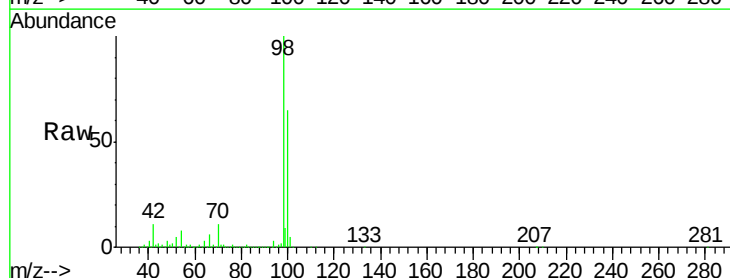
Manual Integrations
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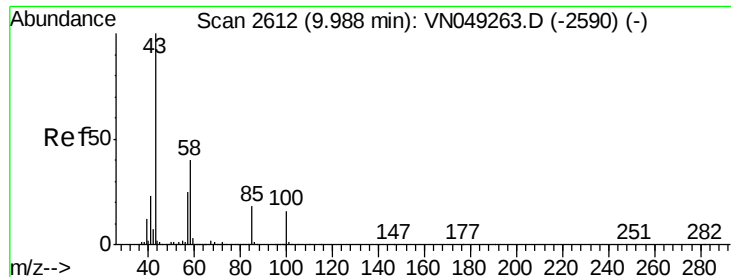
MMDadoda
6/18/2018 3:16:15 PM



#50
Toluene-d8
Concen: 48.52 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	49.8	74.8





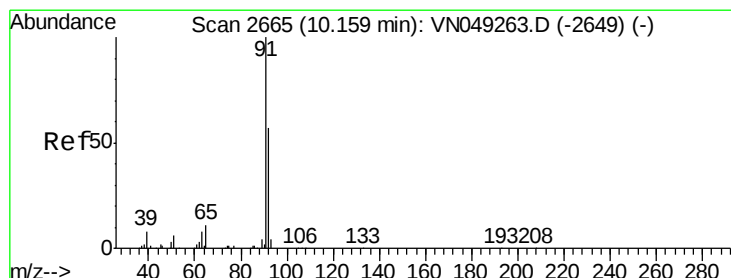
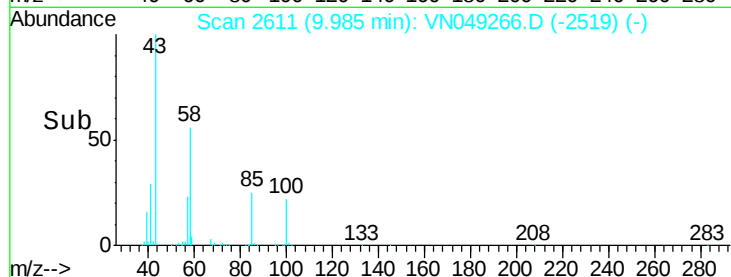
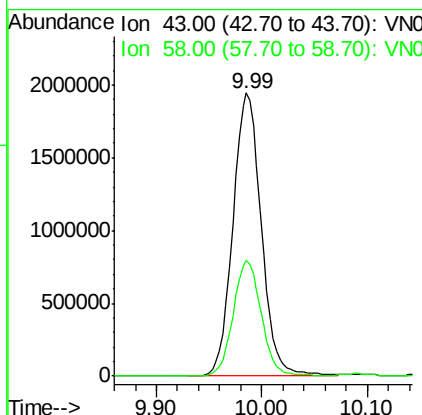
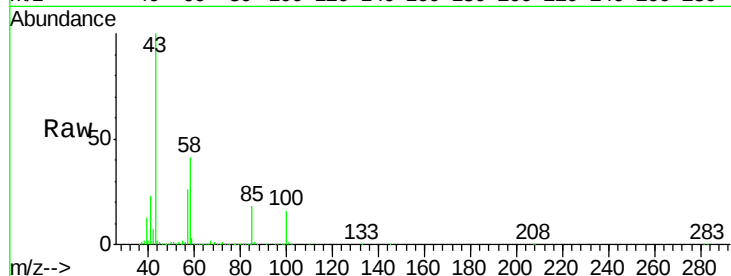
#51
4-Methyl-2-Pentanone
Concen: 243.27 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061618

Tot Ion: 43 Resp: 3620501
Ion Ratio Lower Upper
43 100
58 40.5 29.0 43.6

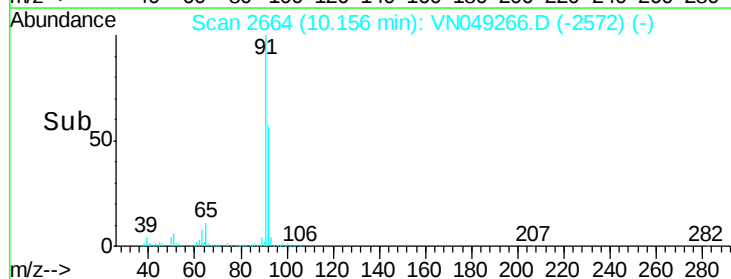
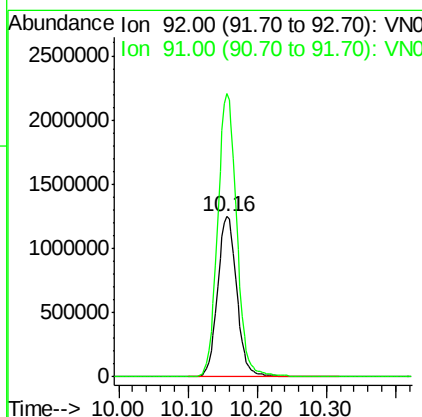
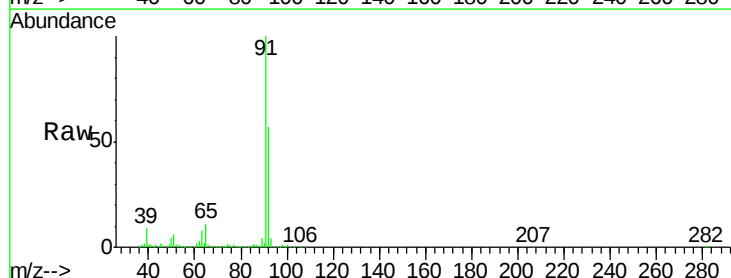
Manual Integrations
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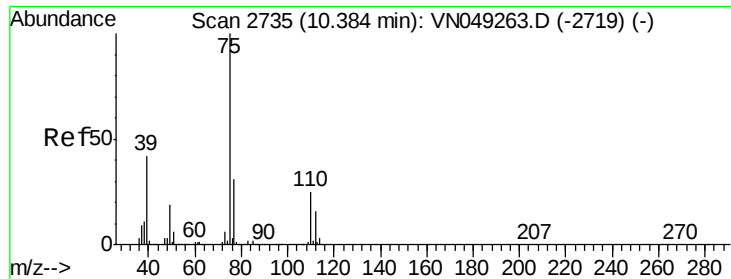
MMDadoda
6/18/2018 3:16:15 PM



#52
Toluene
Concen: 48.82 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Tgt Ion: 92 Resp: 2401708
Ion Ratio Lower Upper
92 100
91 175.6 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 49.38 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion: 75 Resp: 1321038

Ion Ratio Lower Upper

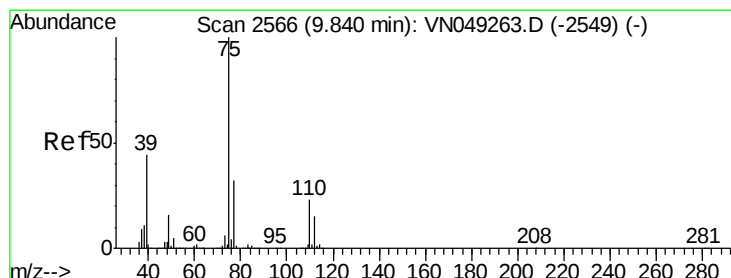
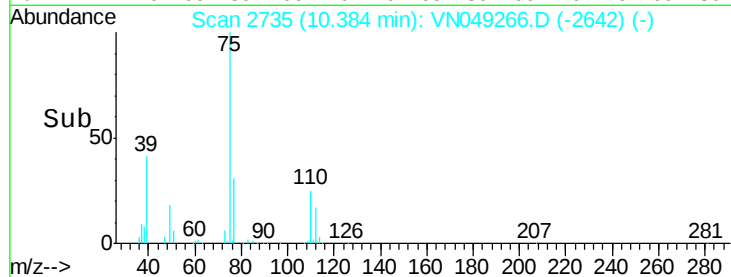
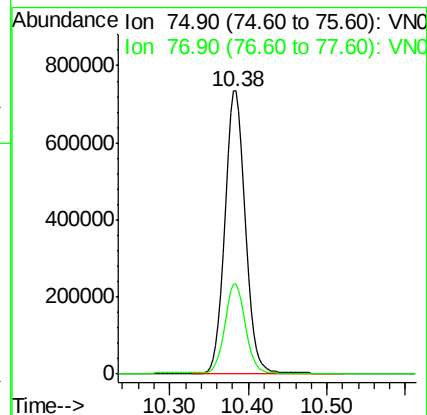
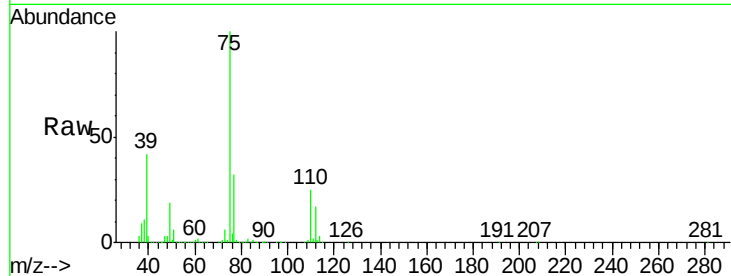
75 100

77 31.4 25.2 37.8

Manual Integrations
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6/18/2018 3:16:15 PM



#54

cis-1,3-Dichloropropene

Concen: 49.09 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

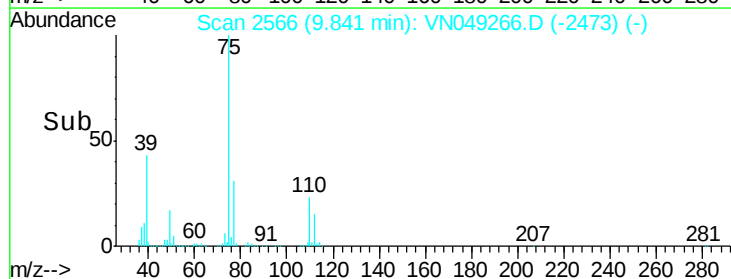
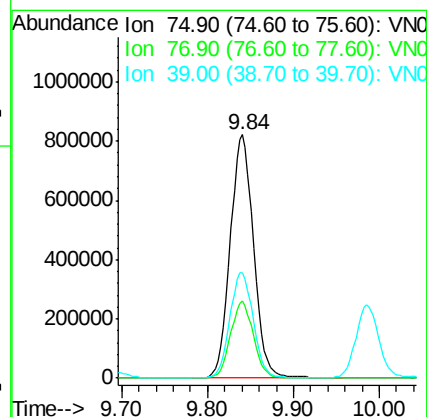
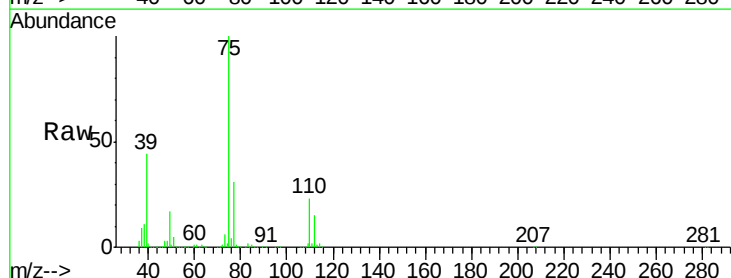
Tgt Ion: 75 Resp: 1550446

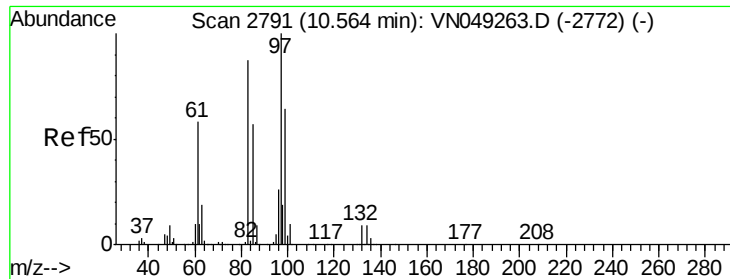
Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 43.4 45.1 67.7#





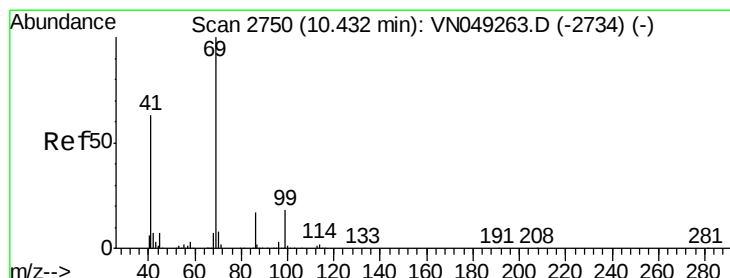
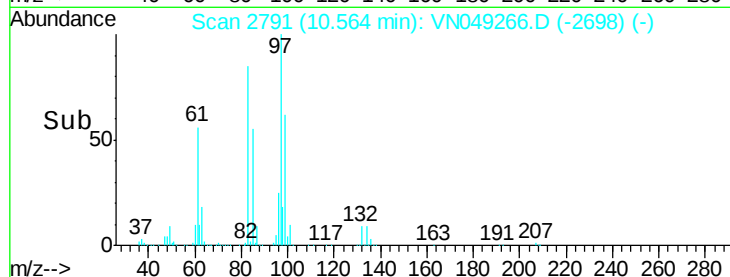
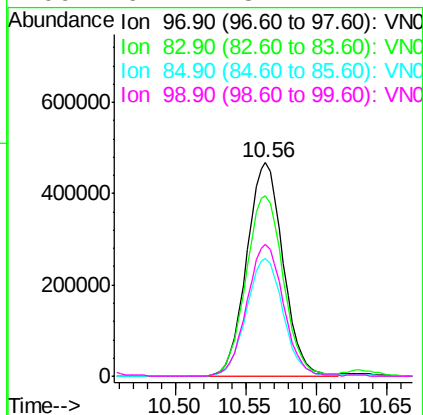
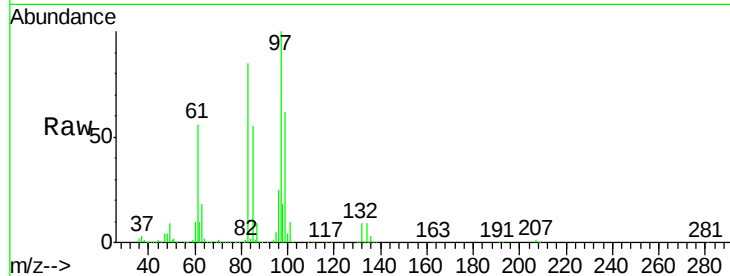
#55
 1,1,2-Trichloroethane
 Concen: 46.20 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049266.D
 Acq: 15 Jun 2018 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061618

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.7	71.5	107.3
85	55.1	47.0	70.4
99	61.4	51.4	77.2

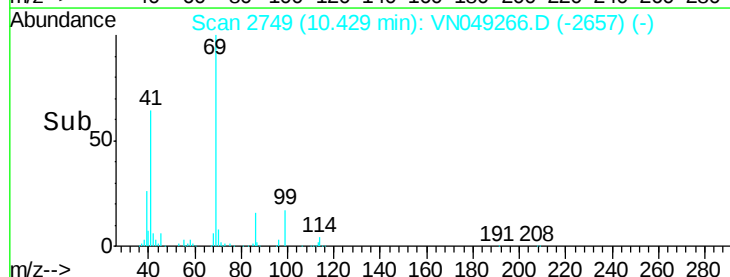
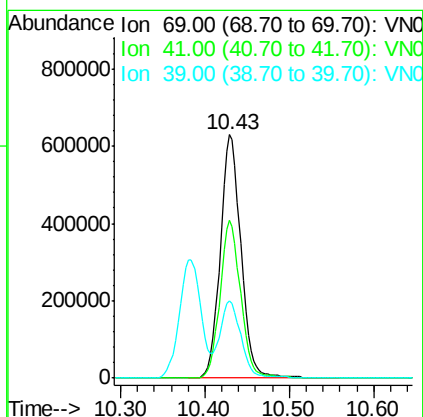
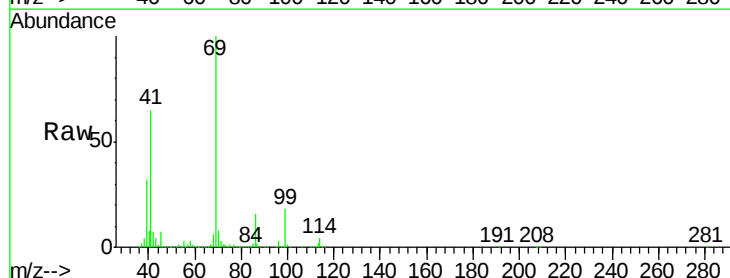
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 50.68 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049266.D
 Acq: 15 Jun 2018 17:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.6	58.4	87.6
39	31.7	35.5	53.3#





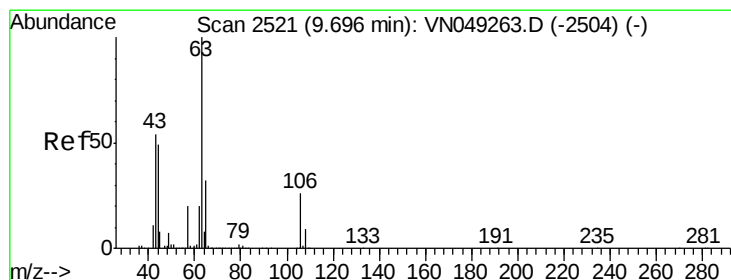
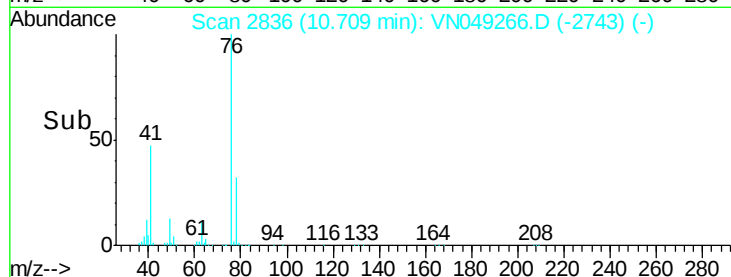
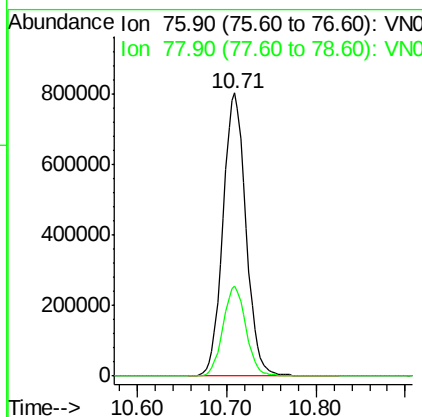
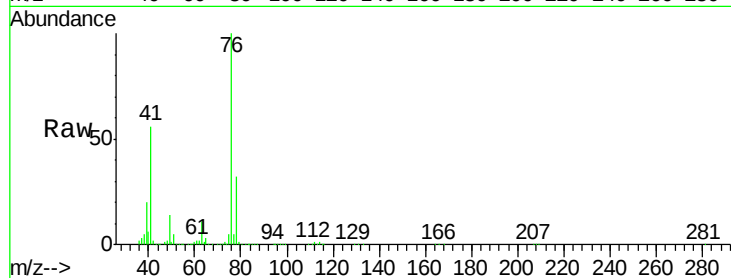
#57
 1,3-Dichloropropane
 Concen: 47.13 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049266.D
 Acq: 15 Jun 2018 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061618

Tot Ion: 76 Resp: 1431714
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.3 39.5

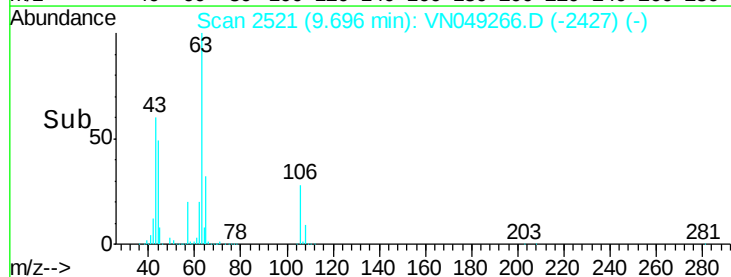
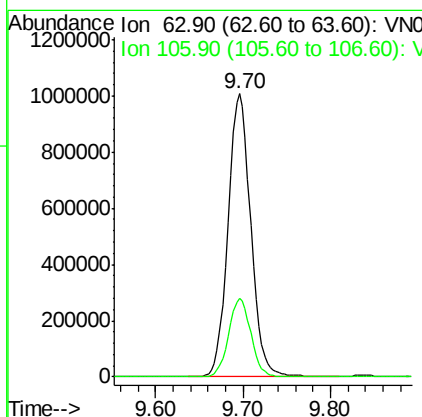
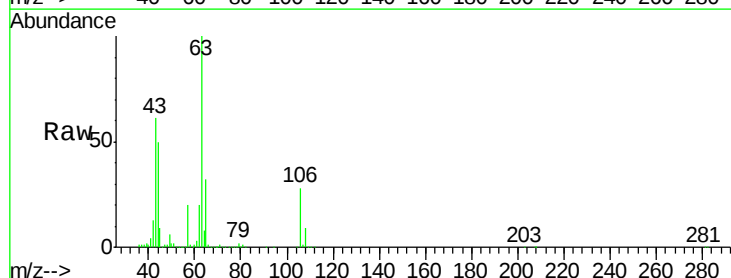
Manual Integrations
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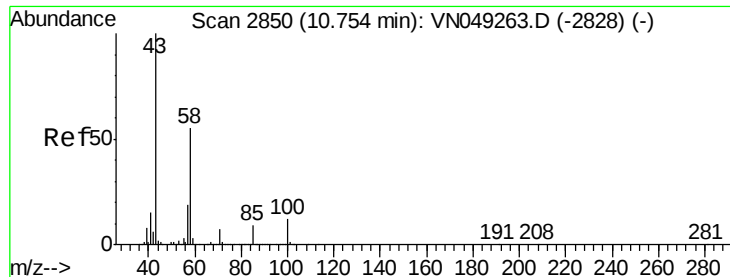
MMDadoda
 6/18/2018 3:16:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.90 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049266.D
 Acq: 15 Jun 2018 17:43

Tgt Ion: 63 Resp: 1817807
 Ion Ratio Lower Upper
 63 100
 106 27.3 19.4 29.2





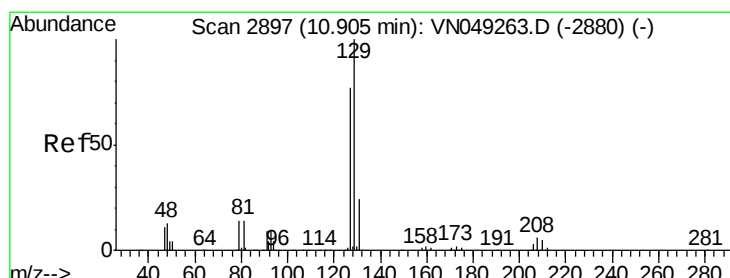
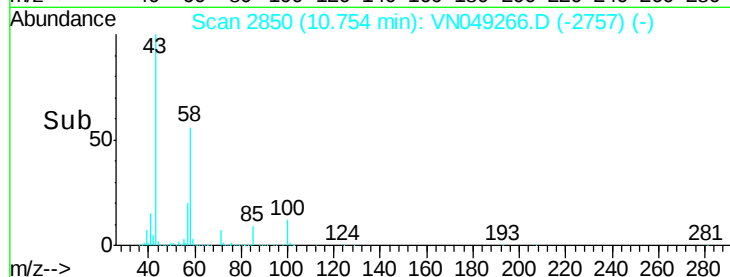
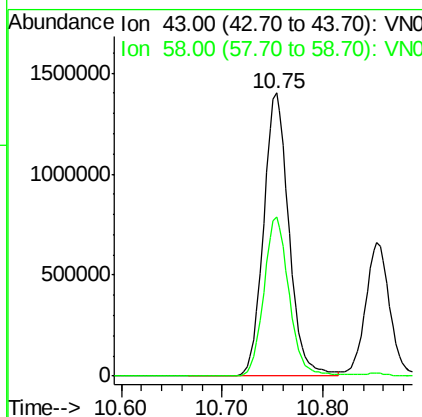
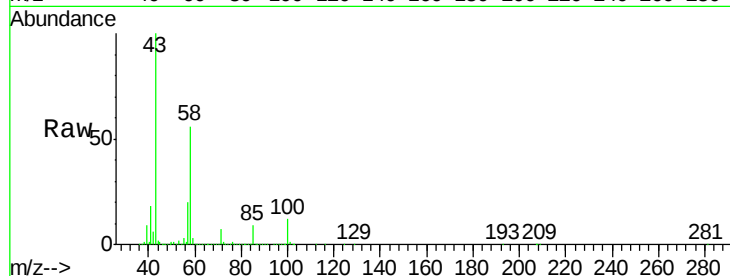
#59
2-Hexanone
Concen: 254.95 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061618

Tot Ion: 43 Resp: 2446180
Ion Ratio Lower Upper
43 100
58 56.2 25.2 75.6

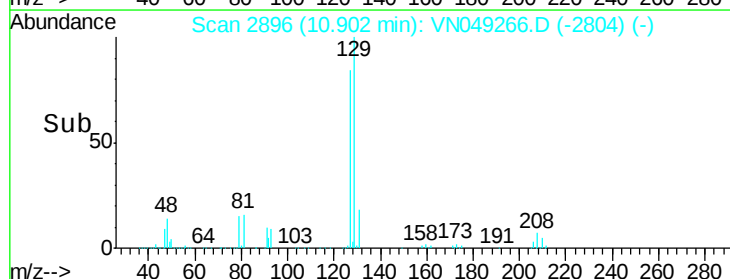
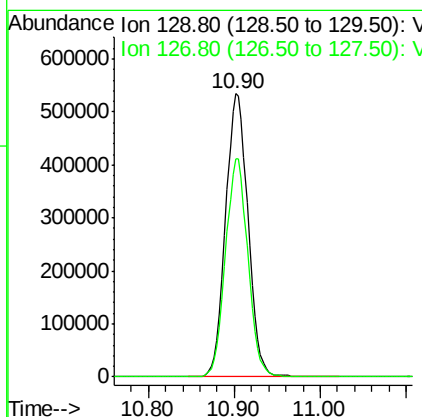
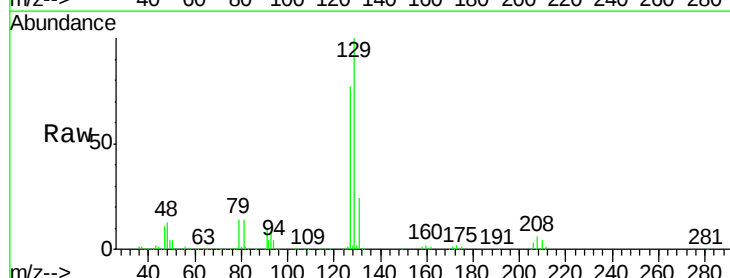
Manual Integrations
APPROVED

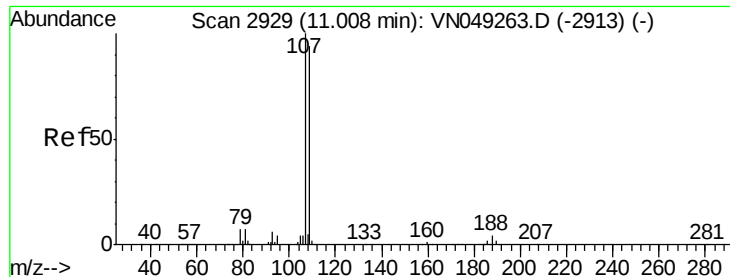
MMDadoda
6/18/2018 3:16:15 PM



#60
Dibromochloromethane
Concen: 47.43 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Tgt Ion: 129 Resp: 970677
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 47.26 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion:107 Resp: 805643

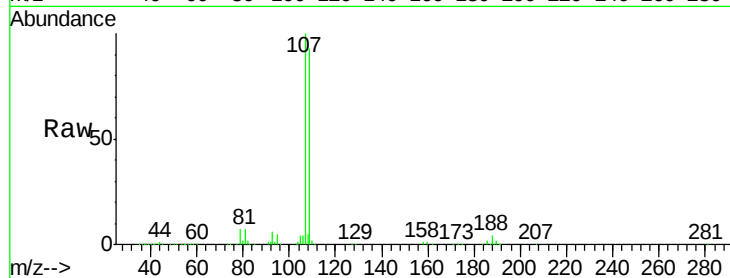
Ion Ratio Lower Upper

107 100

109 93.7 75.4 113.2

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

400000

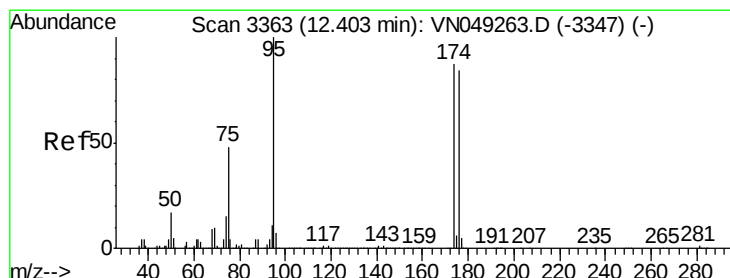
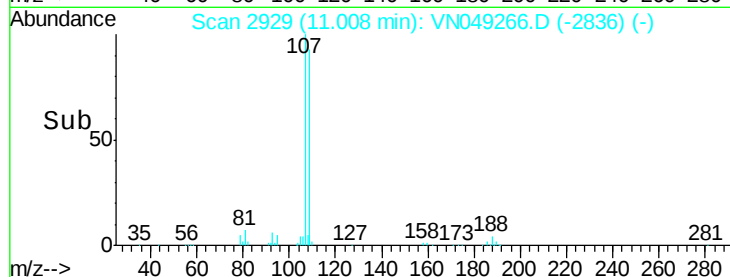
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.44 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

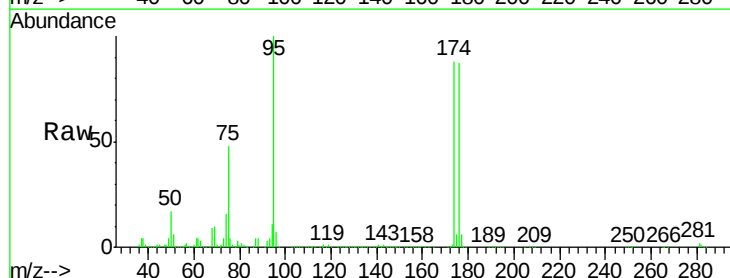
Tgt Ion: 95 Resp: 1201140

Ion Ratio Lower Upper

95 100

174 88.2 0.0 165.6

176 85.6 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

800000

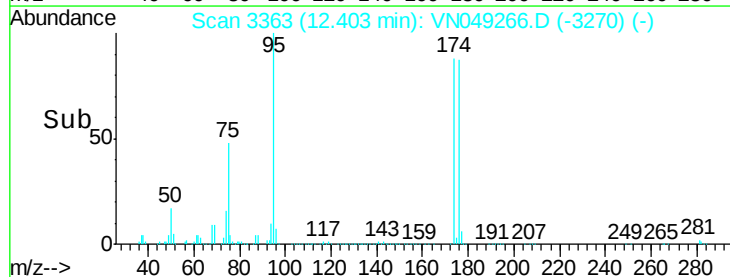
600000

400000

200000

0

Time--> 12.30 12.40 12.50





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion:117 Resp: 2187866

Ion Ratio Lower Upper

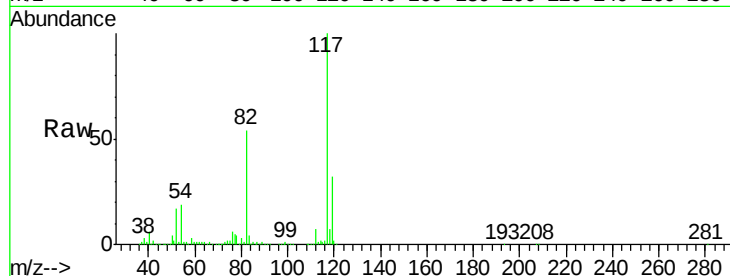
117 100

82 54.0 45.9 68.9

119 31.9 25.5 38.3

Manual Integrations
APPROVED

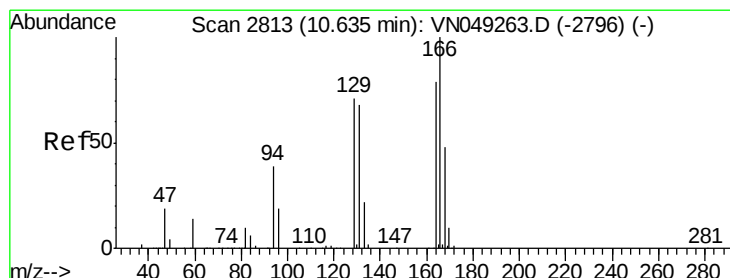
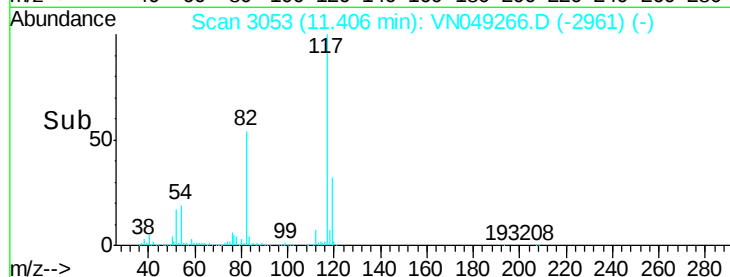
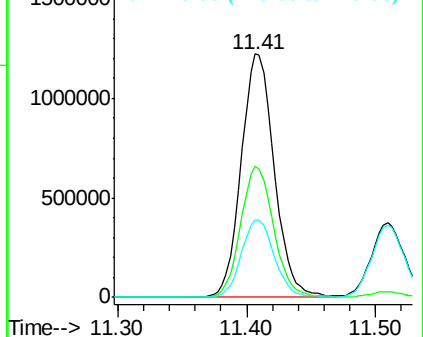
MMDadoda
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 44.66 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Tgt Ion:164 Resp: 1001252

Ion Ratio Lower Upper

164 100

166 128.6 101.4 152.2

129 94.2 74.1 111.1

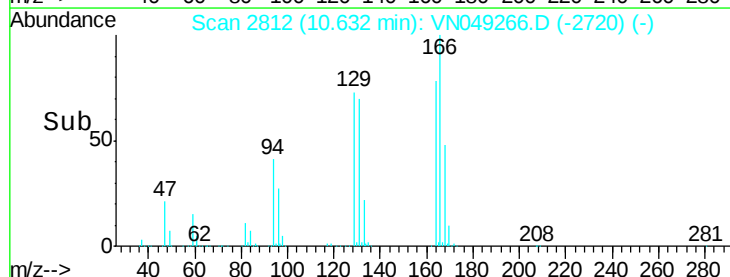
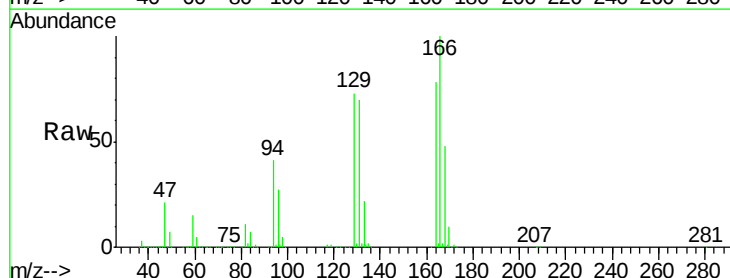
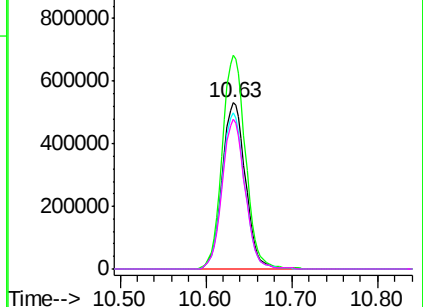
131 90.0 73.7 110.5

Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 46.23 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion:112 Resp: 2605561

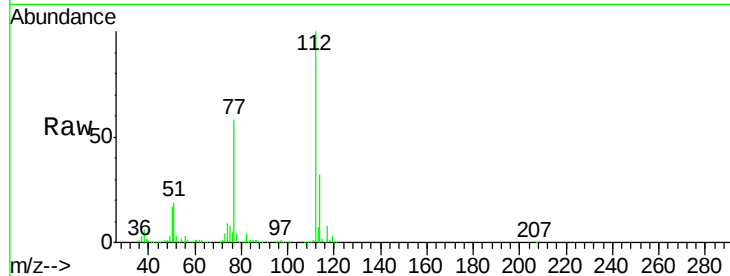
Ion Ratio Lower Upper

112 100

114 32.4 26.2 39.4

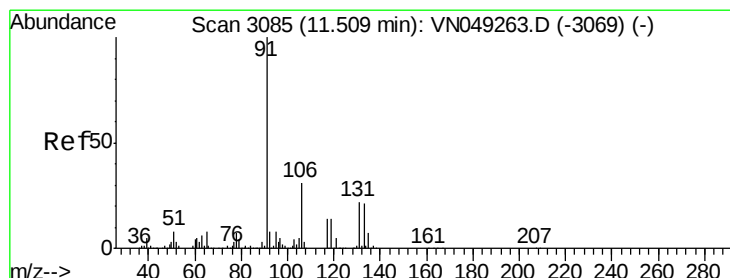
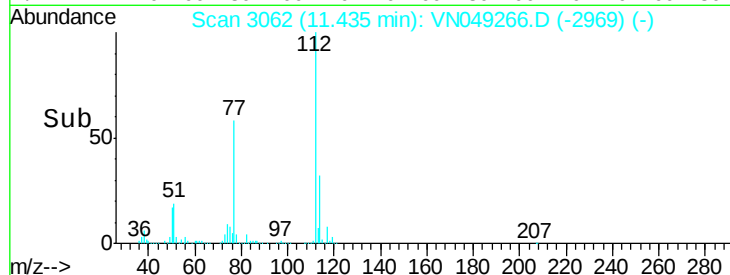
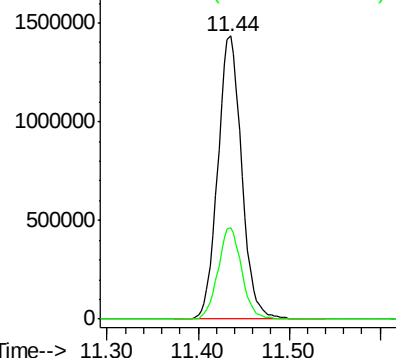
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 45.66 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

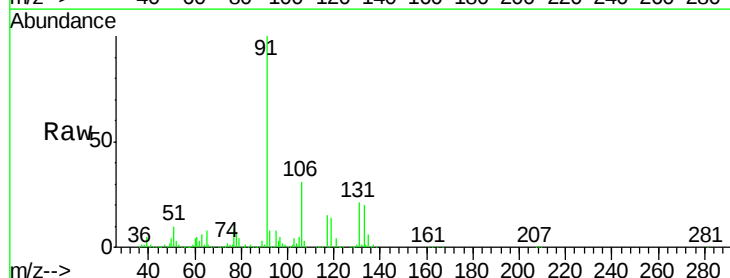
Tgt Ion:131 Resp: 968448

Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.2

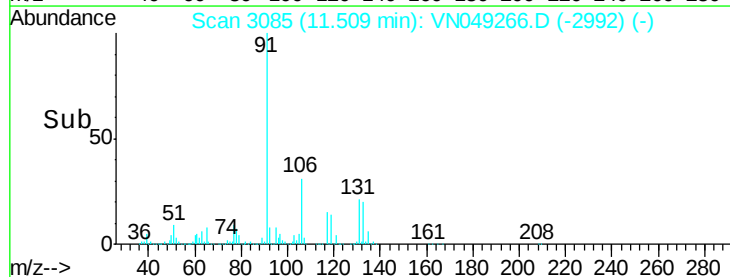
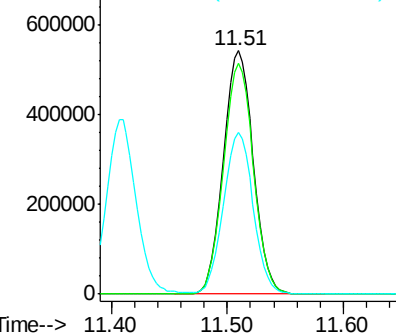
119 66.1 33.6 100.8

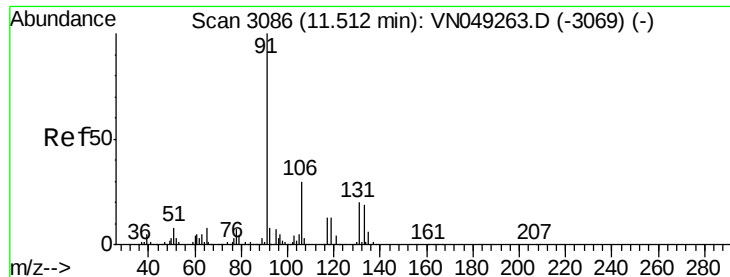


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





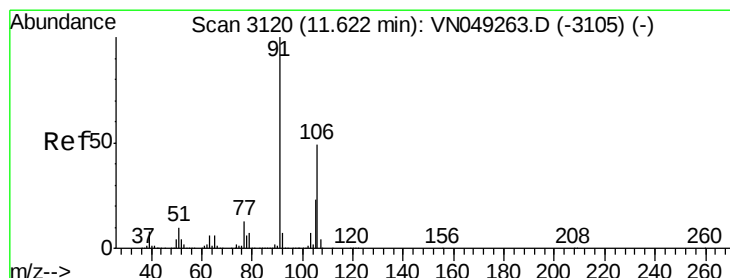
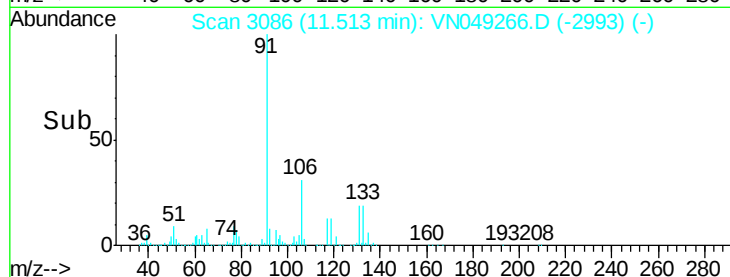
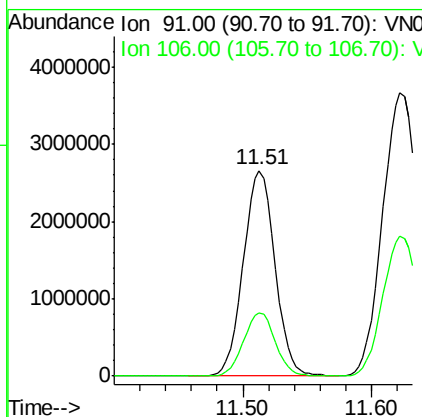
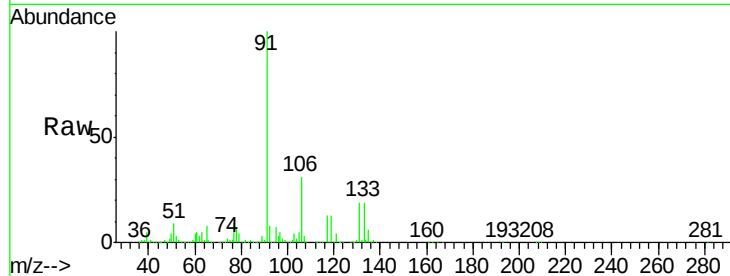
#67
Ethyl Benzene
Concen: 48.78 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061618

Tot Ion: 91 Resp: 4560168
Ion Ratio Lower Upper
91 100
106 31.0 23.9 35.9

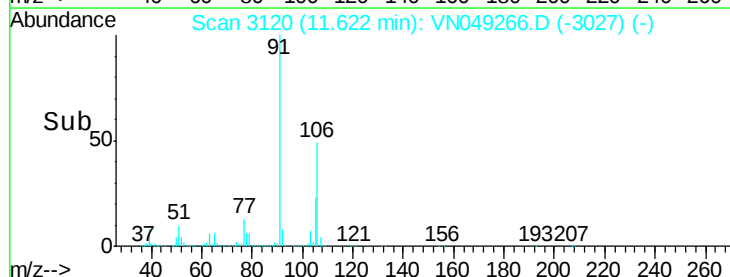
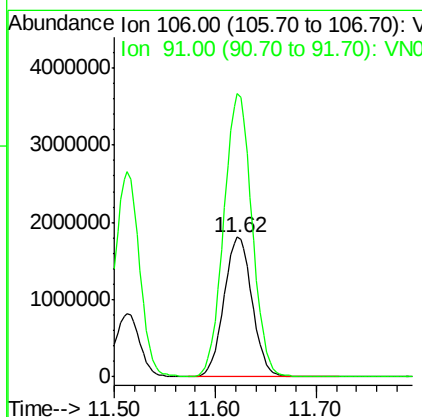
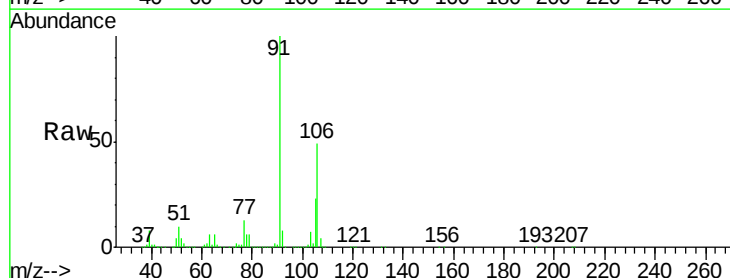
Manual Integrations
APPROVED

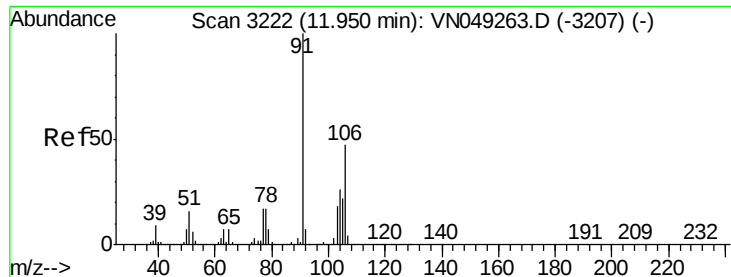
MMDadoda
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#68
m/p-Xylenes
Concen: 100.50 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Tgt Ion: 106 Resp: 3525879
Ion Ratio Lower Upper
106 100
91 203.0 167.3 250.9





#69

o-Xylene

Concen: 49.64 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion:106 Resp: 1677520

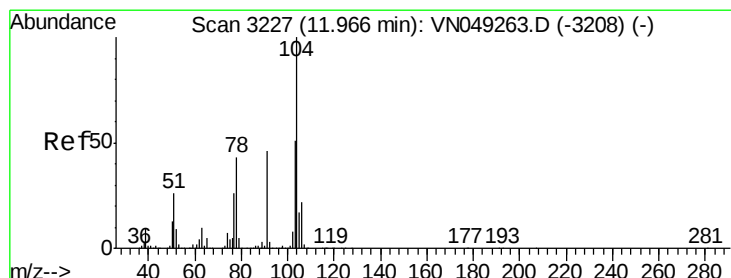
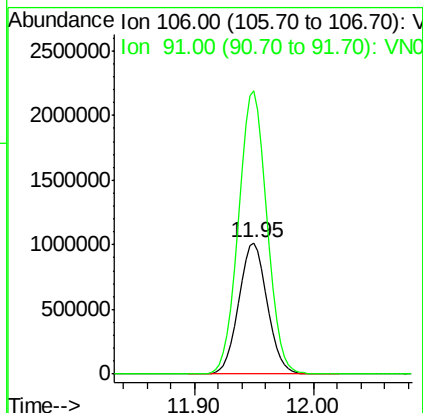
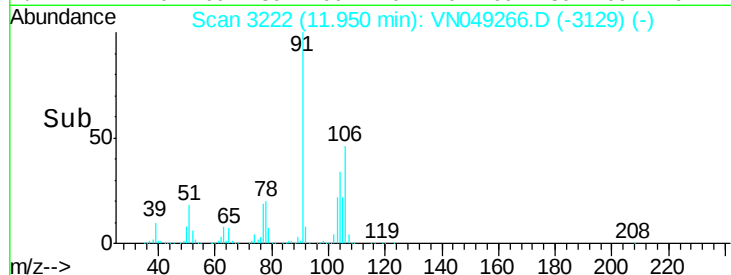
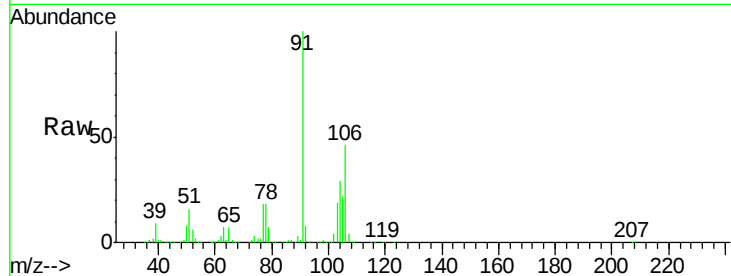
Ion Ratio Lower Upper

106 100

91 215.8 111.0 333.0

Manual Integrations
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#70

Styrene

Concen: 51.25 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

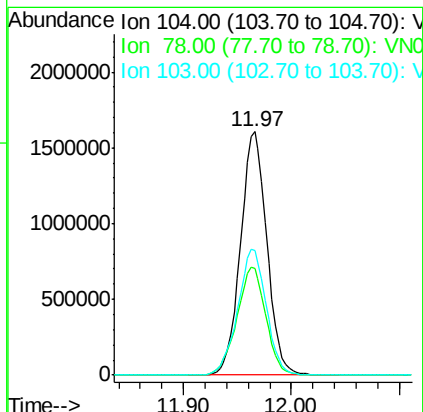
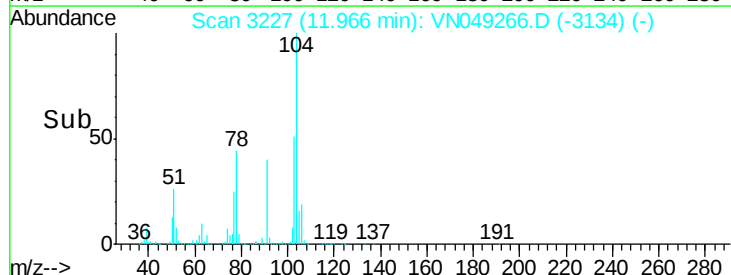
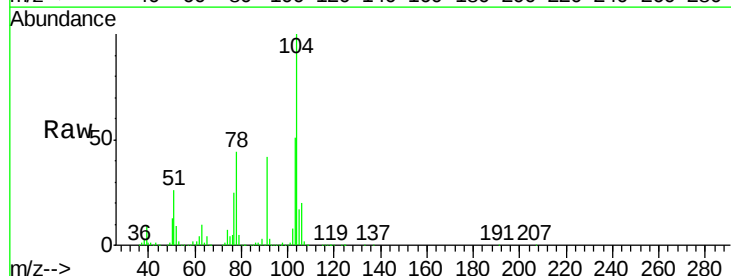
Tgt Ion:104 Resp: 2732218

Ion Ratio Lower Upper

104 100

78 49.0 41.6 62.4

103 56.2 45.4 68.2





#71

Bromoform

Concen: 47.49 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion:173 Resp: 652023

Ion Ratio Lower Upper

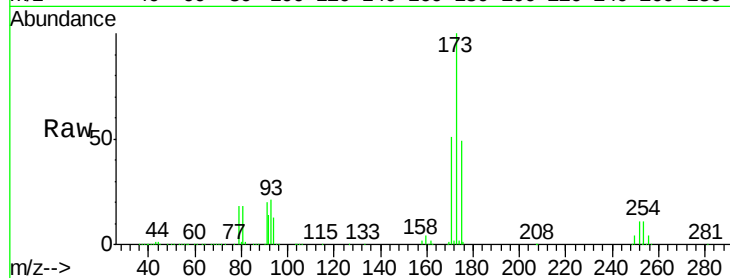
173 100

175 48.5 24.5 73.5

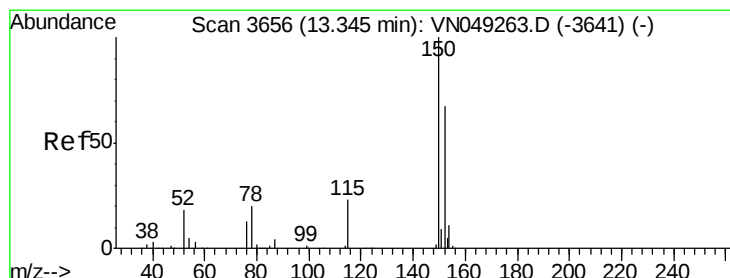
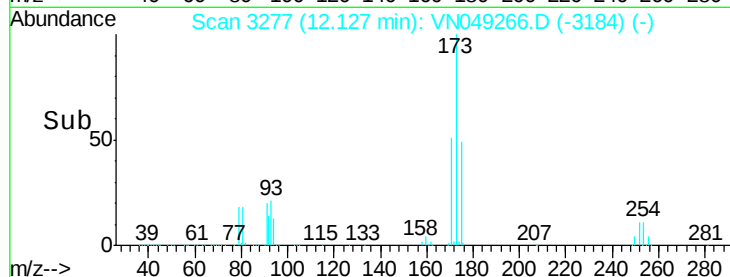
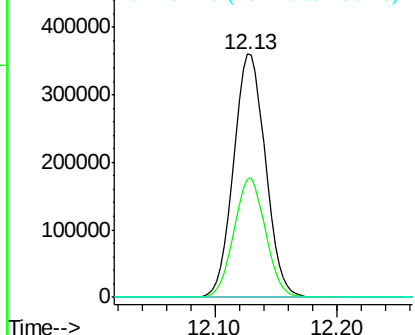
254 0.1 0.1 0.1#

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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: VN049266.D

Acq: 15 Jun 2018 17:43

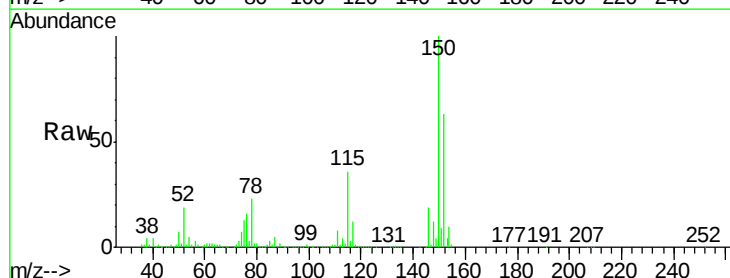
Tgt Ion:152 Resp: 1123089

Ion Ratio Lower Upper

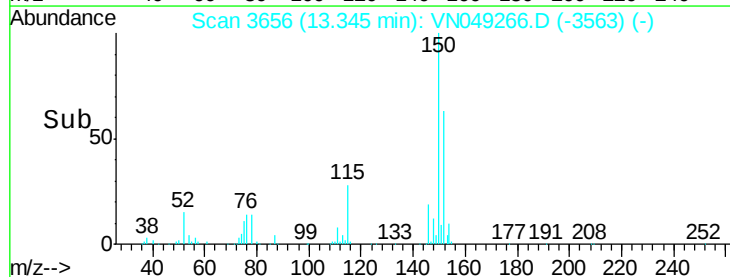
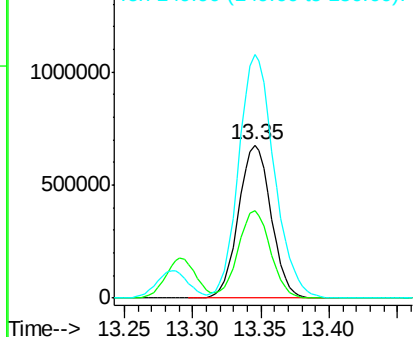
152 100

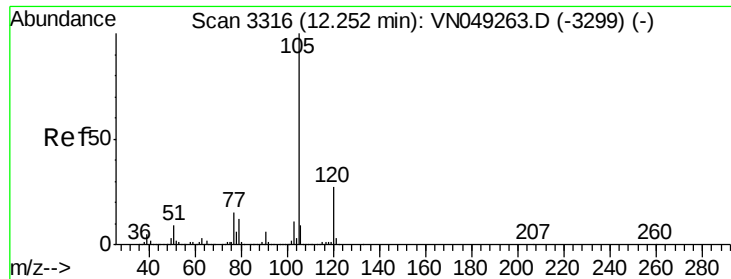
115 56.1 28.7 86.1

150 173.8 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: 46.22 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion:105 Resp: 4557638

Ion Ratio Lower Upper

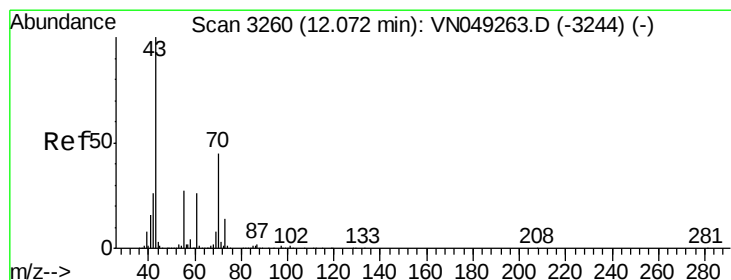
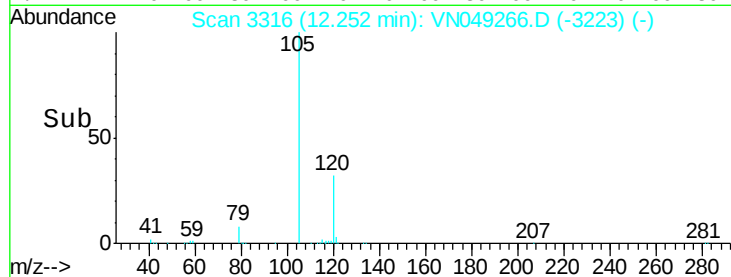
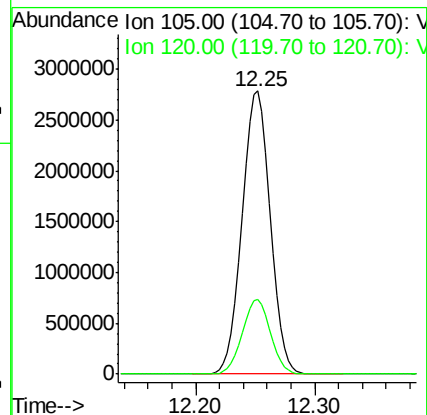
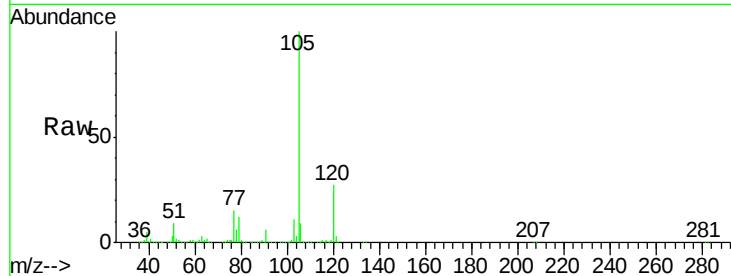
105 100

120 26.4 12.8 38.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 47.23 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Tgt Ion: 43 Resp: 1140665

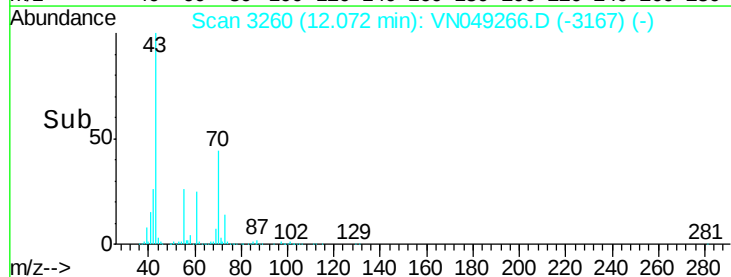
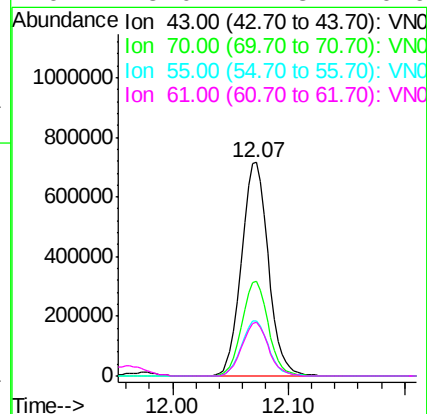
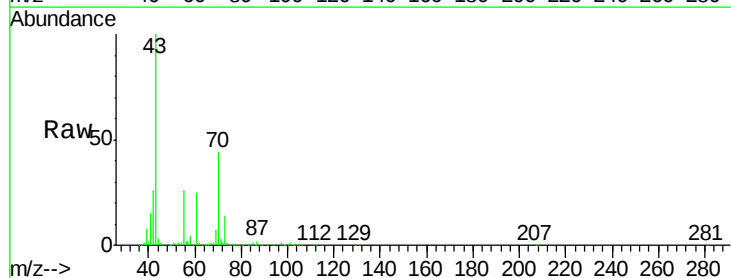
Ion Ratio Lower Upper

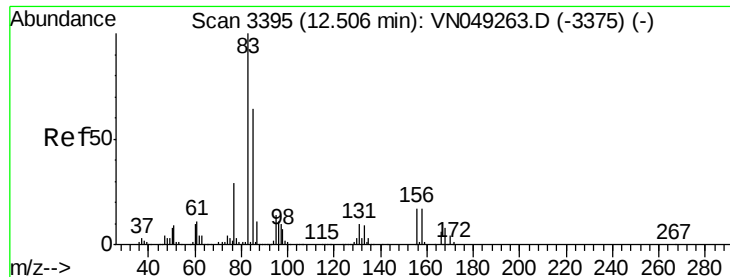
43 100

70 43.7 30.3 45.5

55 25.9 19.4 29.2

61 25.0 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.58 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

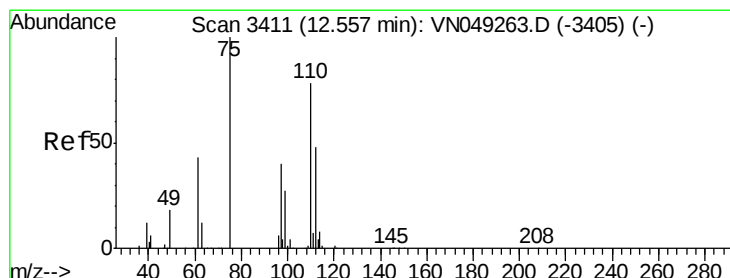
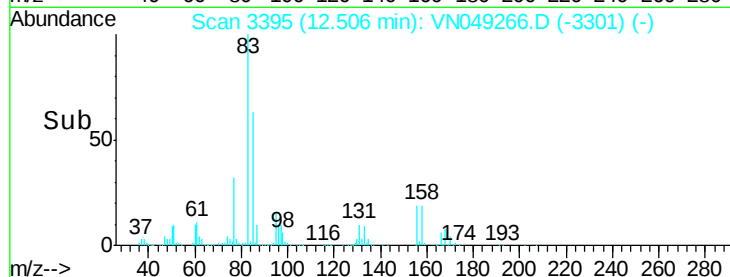
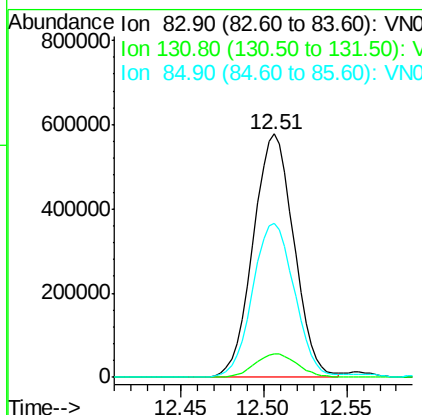
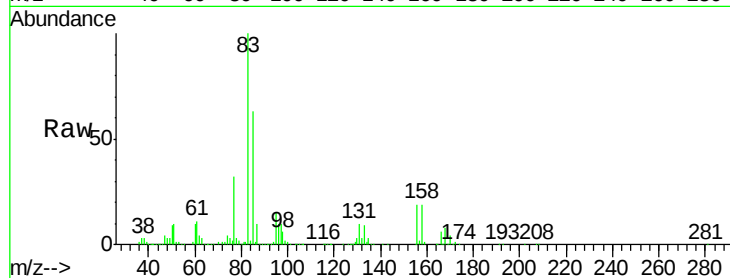
ClientSampleId :

ICV061618

Tot Ion:	83	Resp:	986870
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	64.9	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 41.28 ug/l m

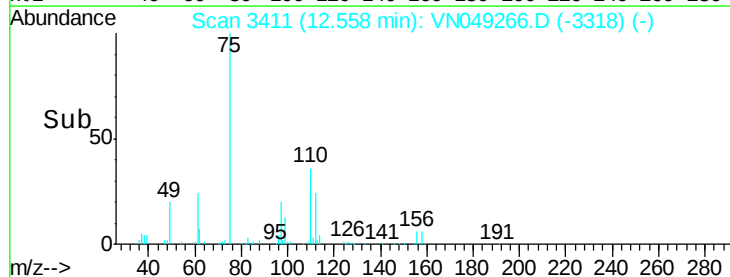
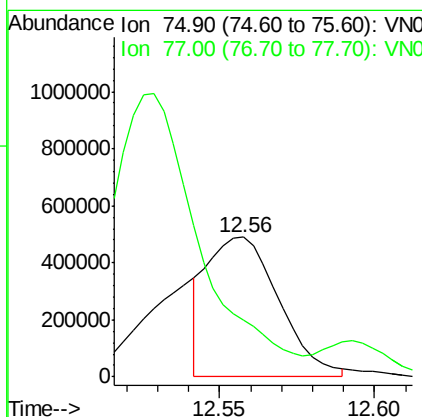
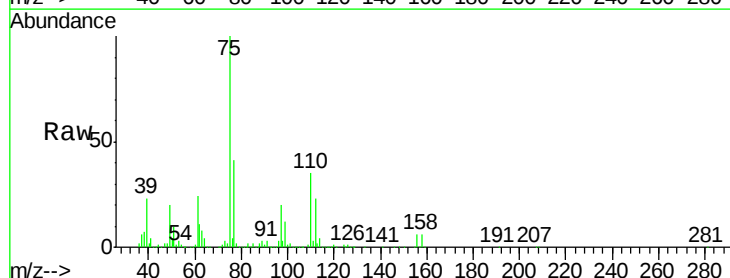
RT: 12.56 min Scan# 3411

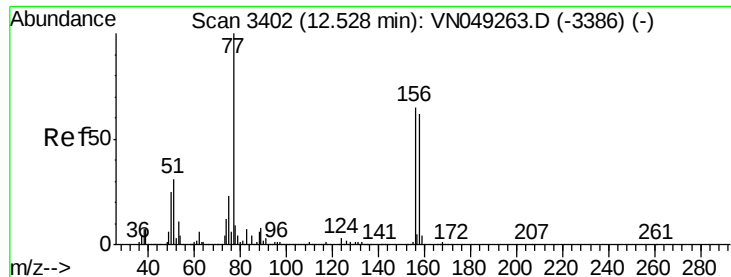
Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Tgt Ion:	75	Resp:	791007
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 42.31 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion:156 Resp: 1101988

Ion Ratio Lower Upper

156 100

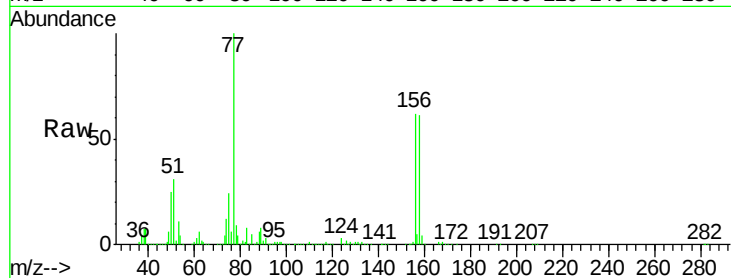
77 183.5 100.8 302.4

158 97.6 49.3 147.9

Manual Integrations
APPROVED

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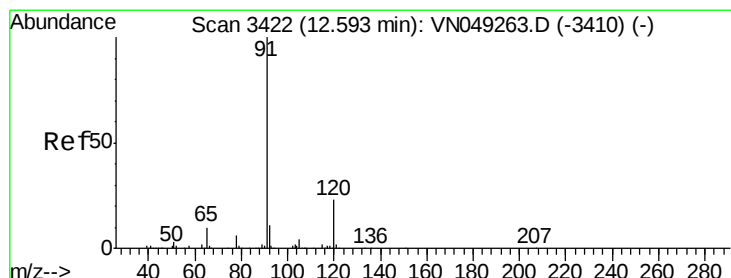
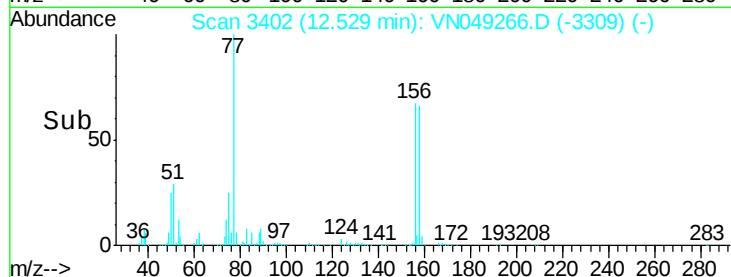
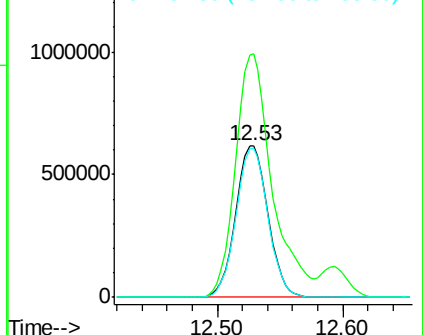
6/18/2018 3:16:15 PM



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: 48.26 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049266.D

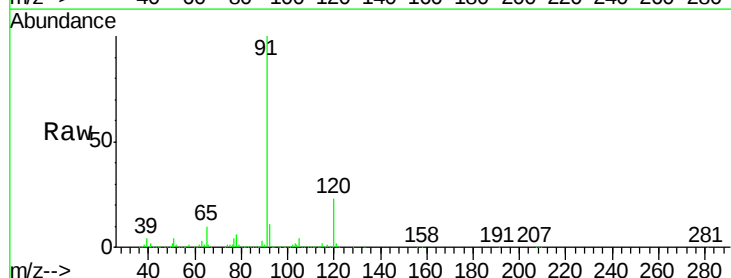
Acq: 15 Jun 2018 17:43

Tgt Ion: 91 Resp: 5225298

Ion Ratio Lower Upper

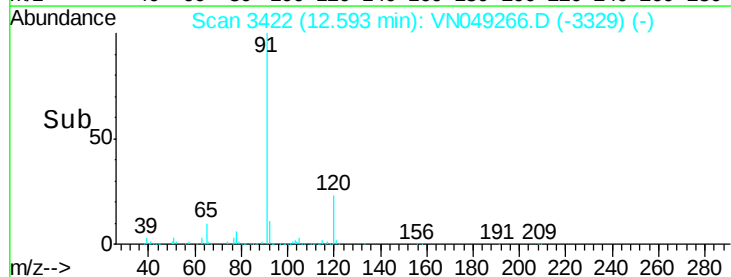
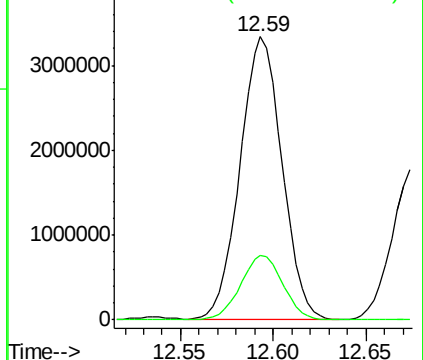
91 100

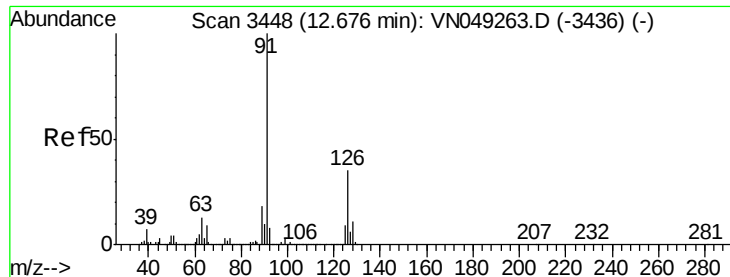
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.69 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion: 91 Resp: 3066035

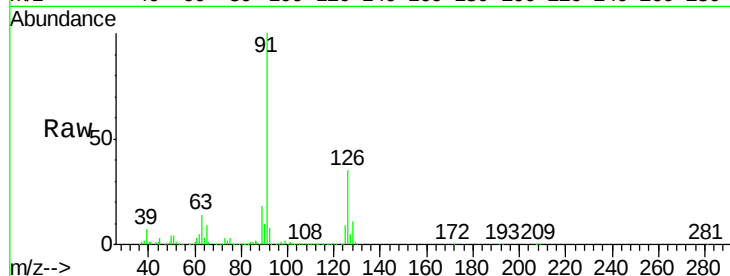
Ion Ratio Lower Upper

91 100

126 35.2 16.6 49.8

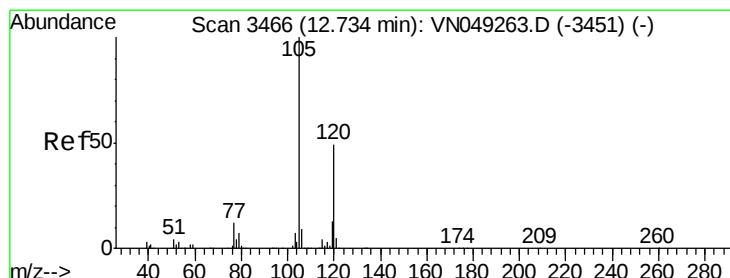
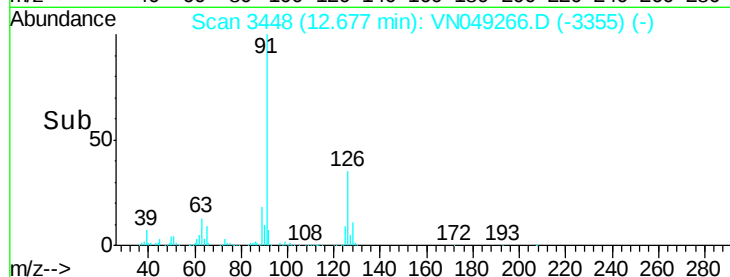
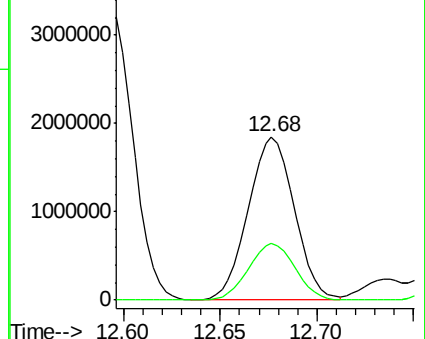
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN049266.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049266.D (-3436) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.84 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049266.D

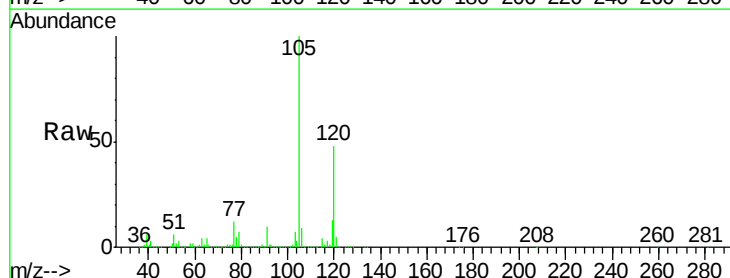
Acq: 15 Jun 2018 17:43

Tgt Ion: 105 Resp: 3707673

Ion Ratio Lower Upper

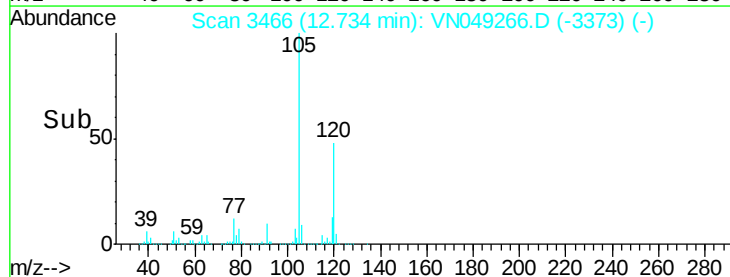
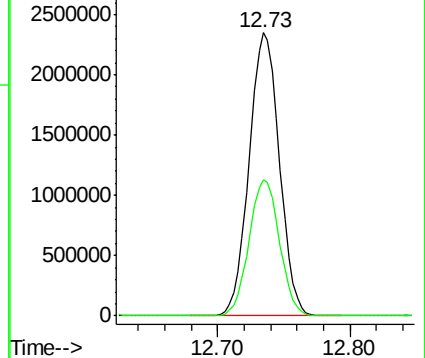
105 100

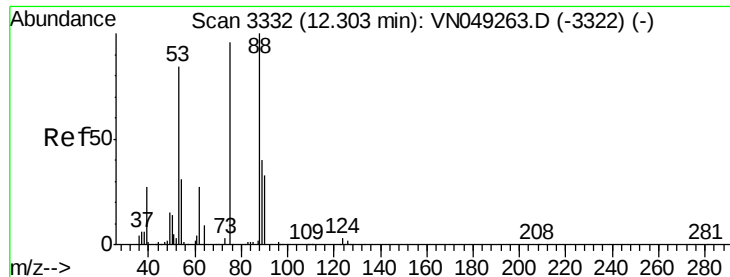
120 48.5 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049266.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049266.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.68 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion: 75 Resp: 276938

Ion Ratio Lower Upper

75 100

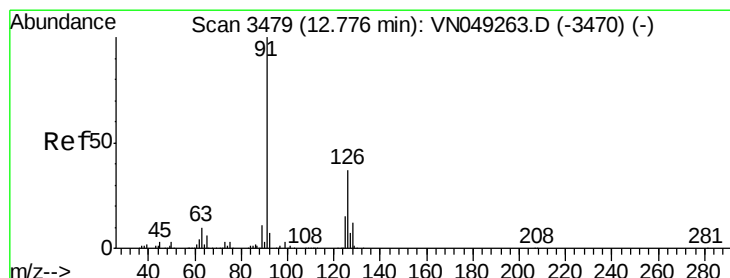
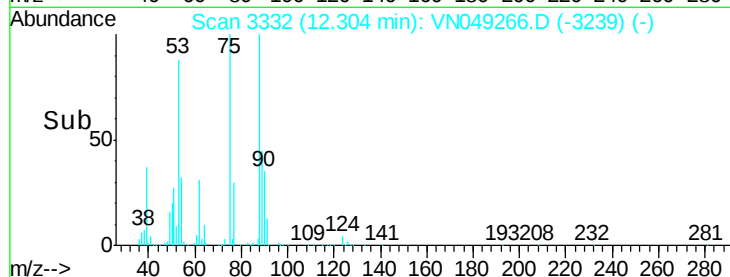
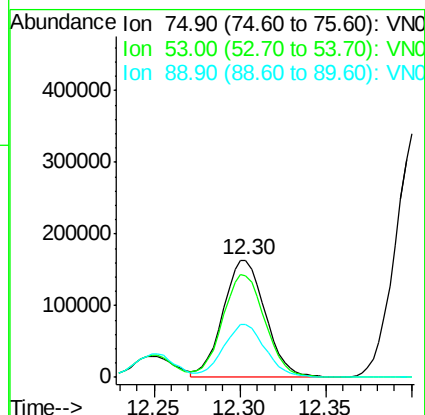
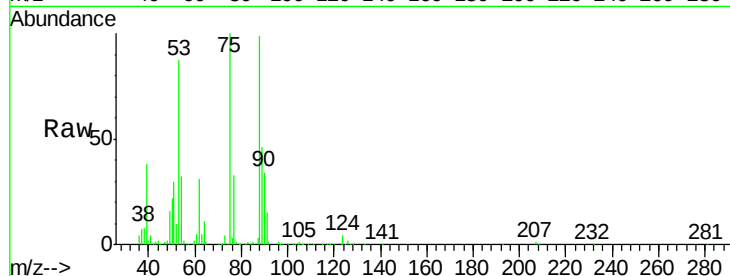
53 89.6 82.7 124.1

89 45.5 36.5 54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.69 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049266.D

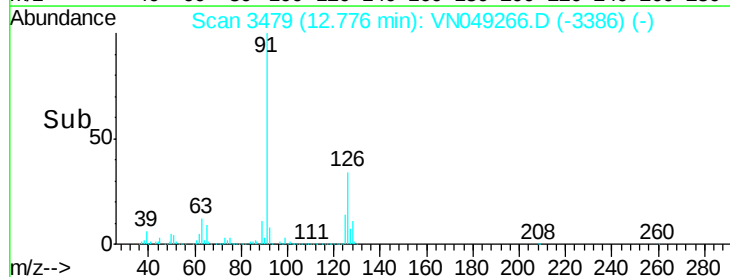
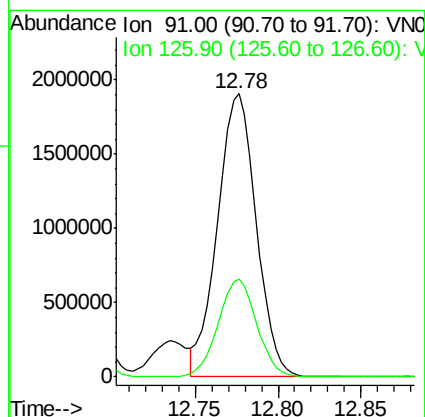
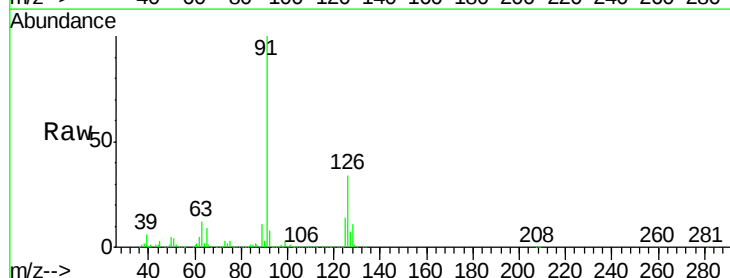
Acq: 15 Jun 2018 17:43

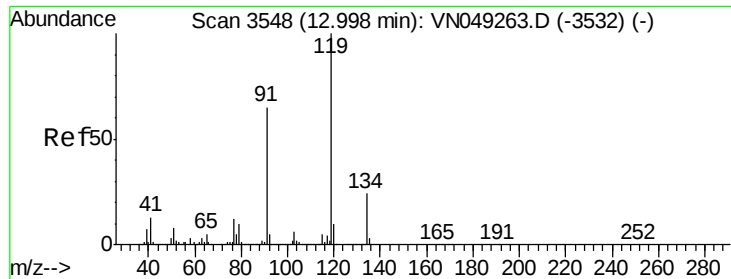
Tgt Ion: 91 Resp: 3090280

Ion Ratio Lower Upper

91 100

126 34.3 16.4 49.1





#83

tert-Butylbenzene

Concen: 46.11 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion:119 Resp: 3166294

Ion Ratio Lower Upper

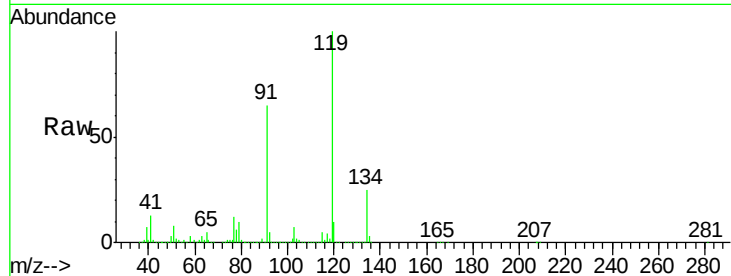
119 100

91 64.3 33.7 101.0

134 26.1 12.9 38.6

Manual Integrations
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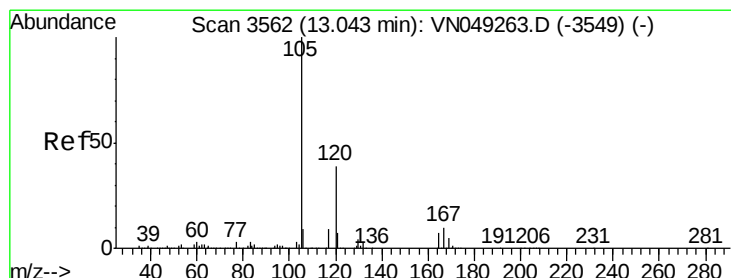
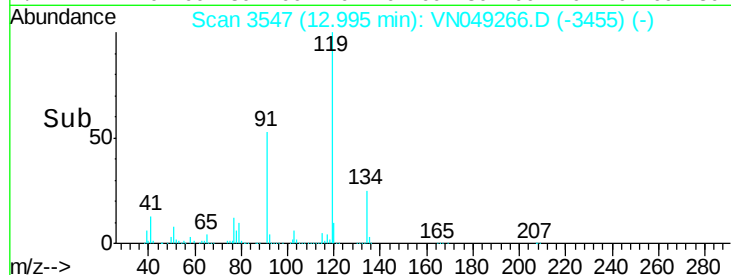
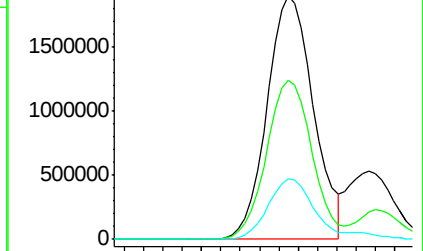
MMDadoda
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.42 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049266.D

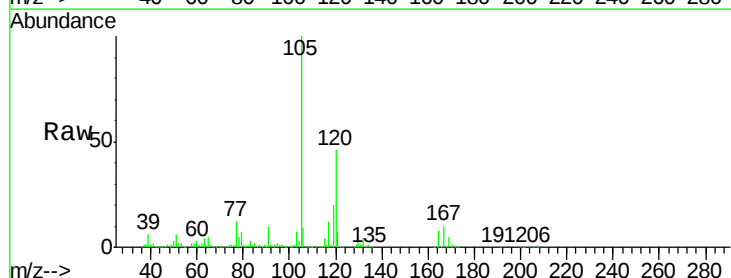
Acq: 15 Jun 2018 17:43

Tgt Ion:105 Resp: 3727894

Ion Ratio Lower Upper

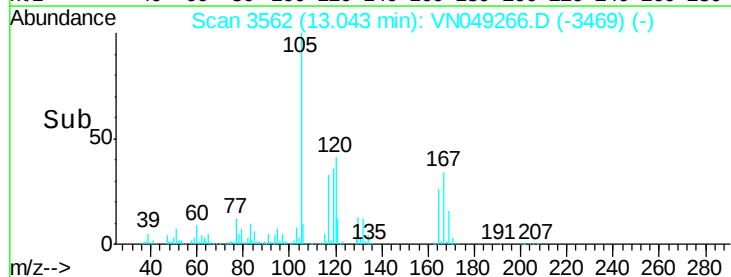
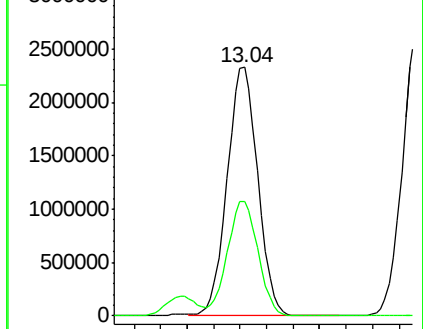
105 100

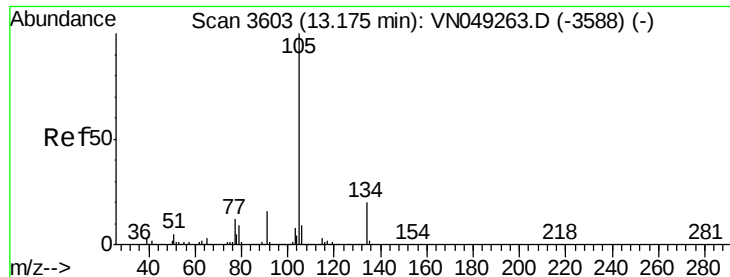
120 46.1 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.16 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion:105 Resp: 4309828

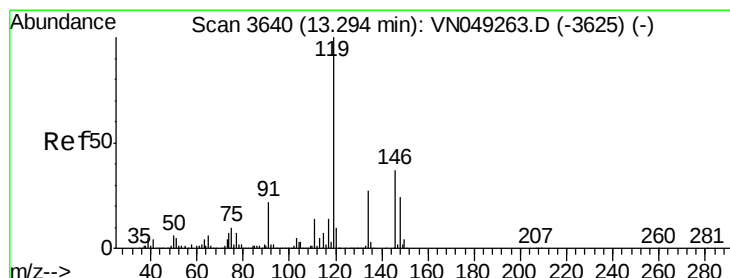
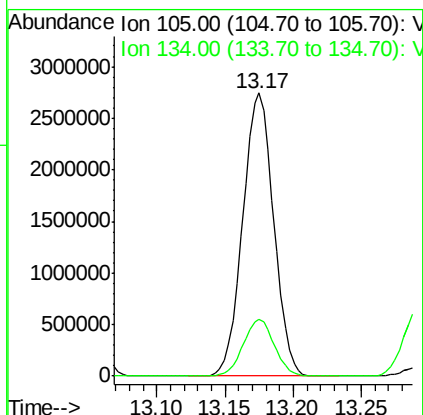
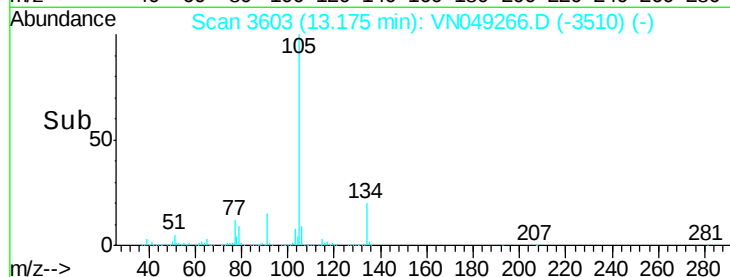
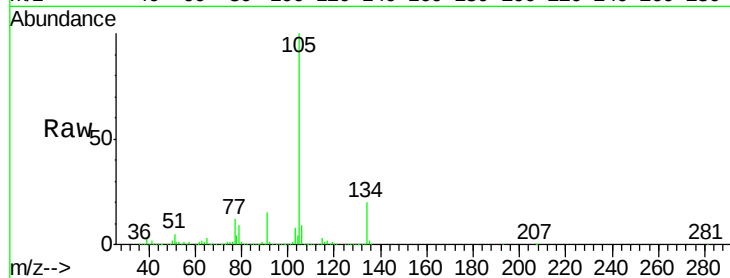
Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 48.81 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

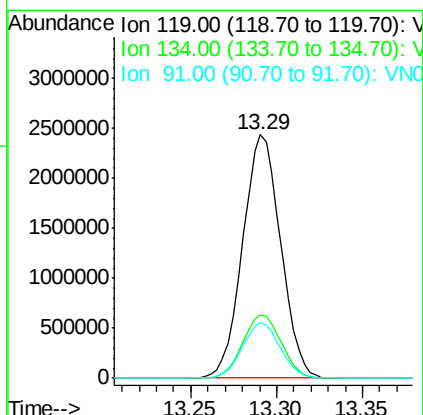
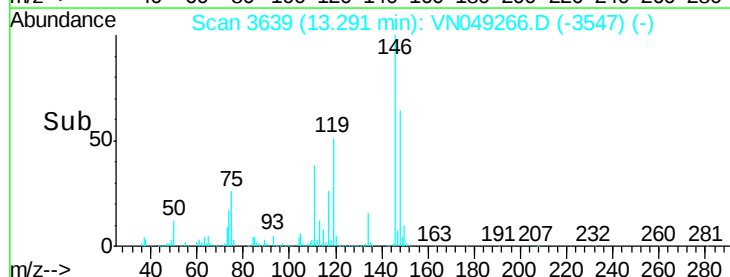
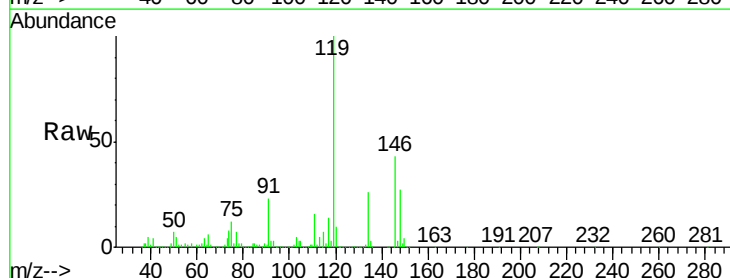
Tgt Ion:119 Resp: 3726840

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

91 22.7 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 45.69 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion:146 Resp: 1957996

Ion Ratio Lower Upper

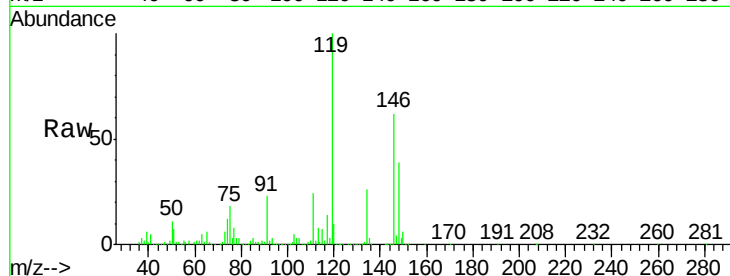
146 100

111 38.9 19.9 59.6

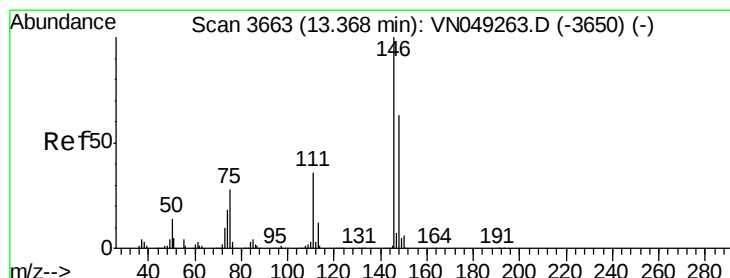
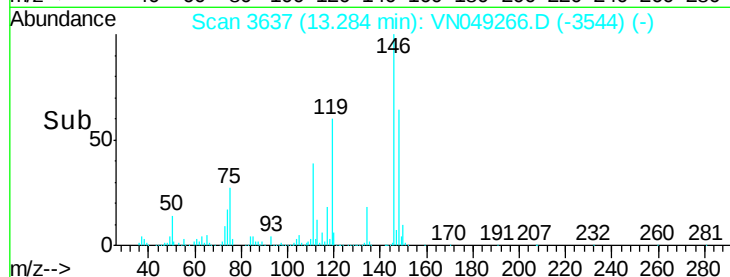
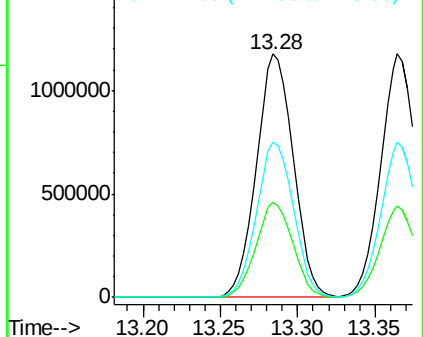
148 64.0 32.1 96.5

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



#88

1,4-Dichlorobenzene

Concen: 44.99 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

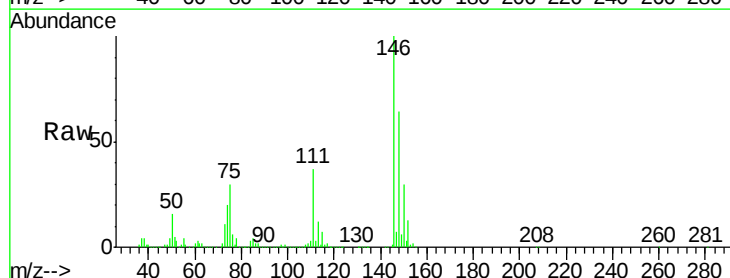
Tgt Ion:146 Resp: 1910775

Ion Ratio Lower Upper

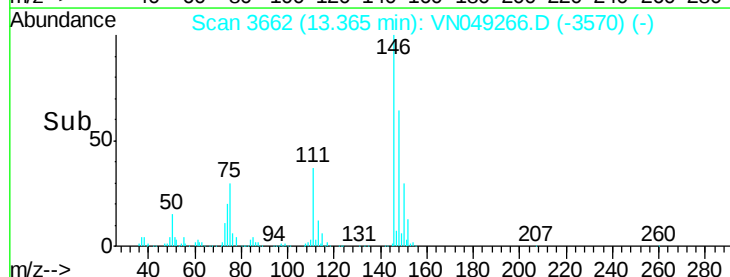
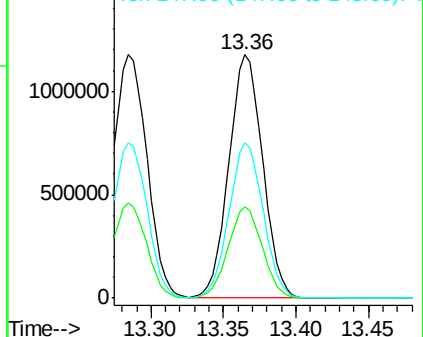
146 100

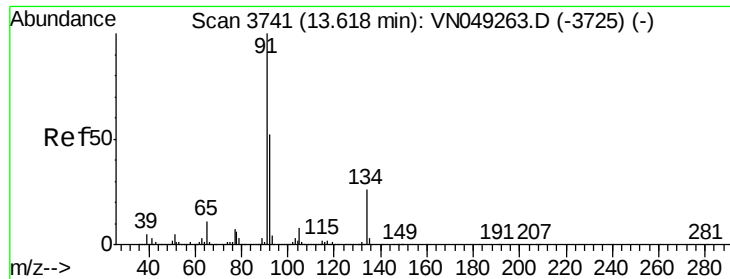
111 37.7 19.1 57.1

148 64.1 32.0 96.2



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





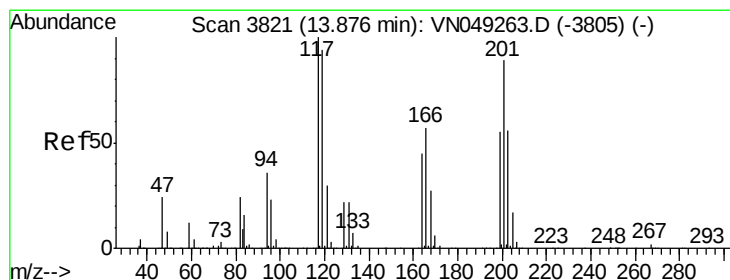
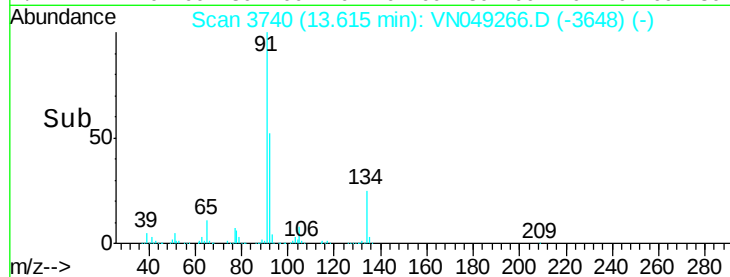
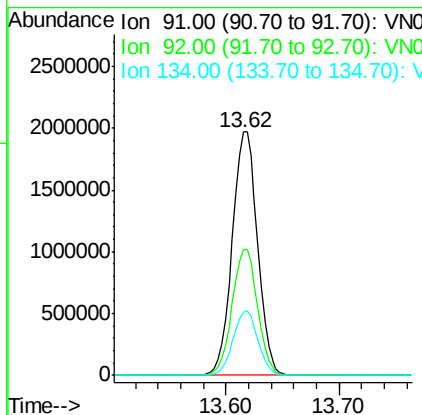
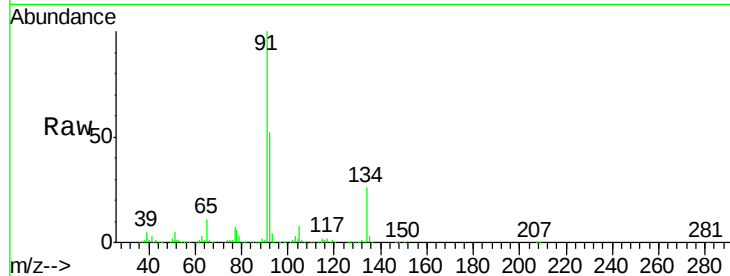
#89
n-Butylbenzene
Concen: 51.28 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061618

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.1	75.4
134	26.1	12.0	36.0

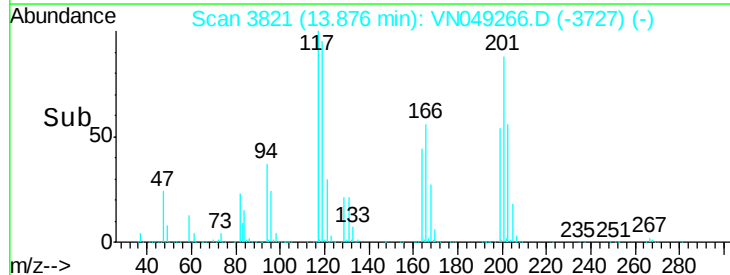
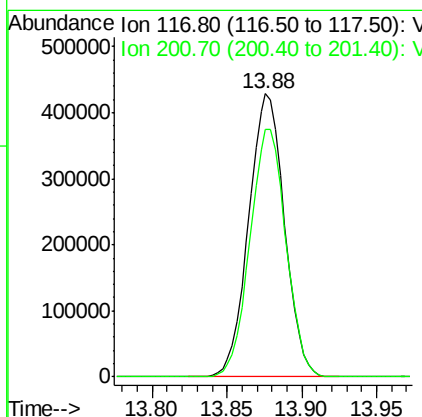
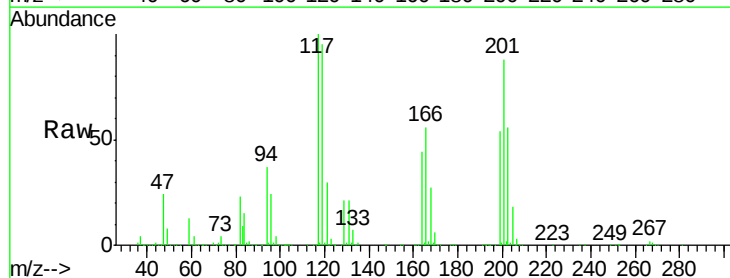
Manual Integrations
APPROVED

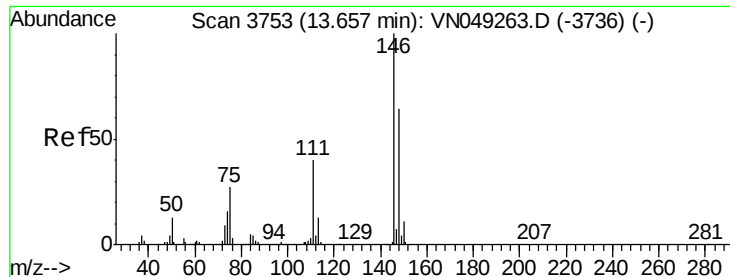
MMDadoda
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#90
Hexachloroethane
Concen: 49.26 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049266.D
Acq: 15 Jun 2018 17:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.0	40.1	120.2





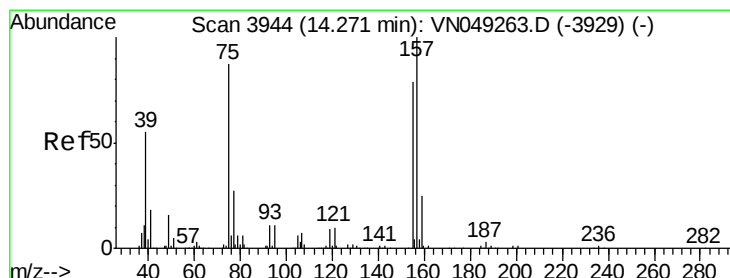
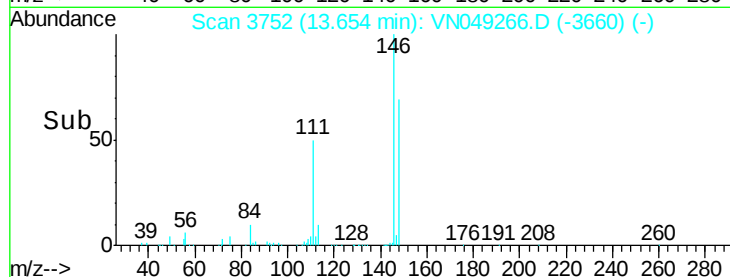
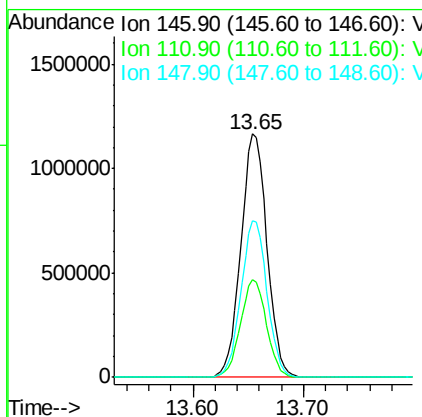
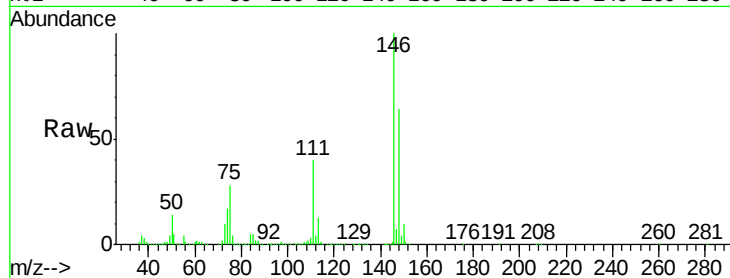
#91
 1,2-Dichlorobenzene
 Concen: 45.26 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049266.D
 Acq: 15 Jun 2018 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061618

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.8	62.2
148	64.2	32.0	96.2

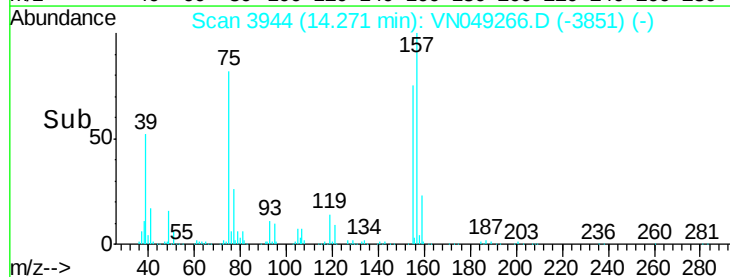
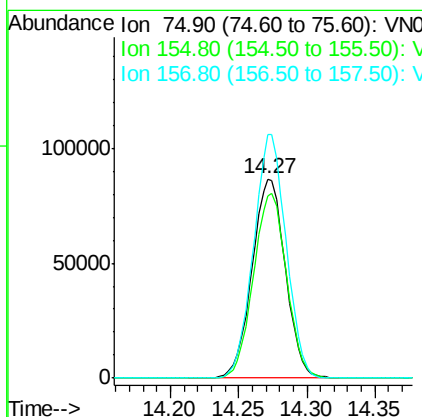
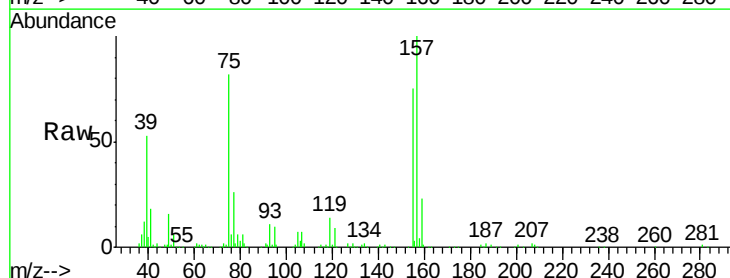
Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.77 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049266.D
 Acq: 15 Jun 2018 17:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	38.8	116.3
157	119.4	51.0	153.1





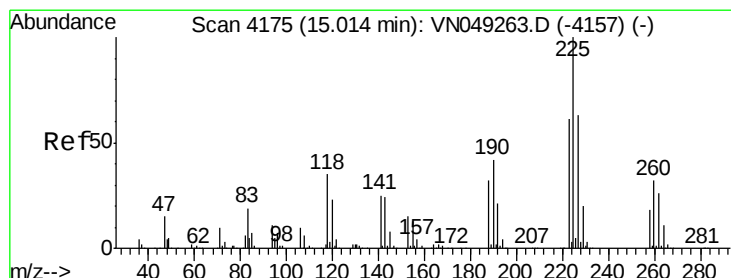
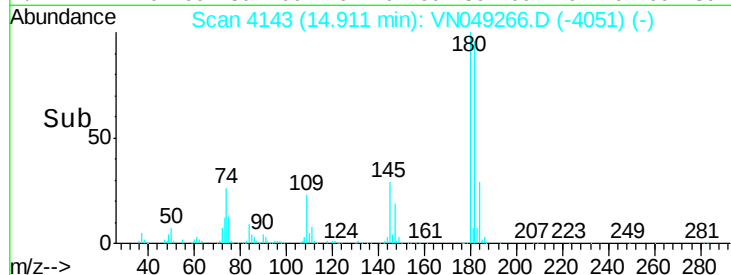
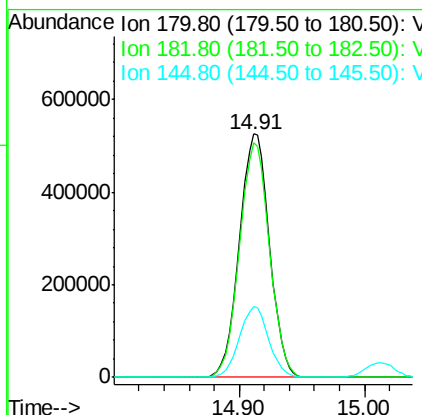
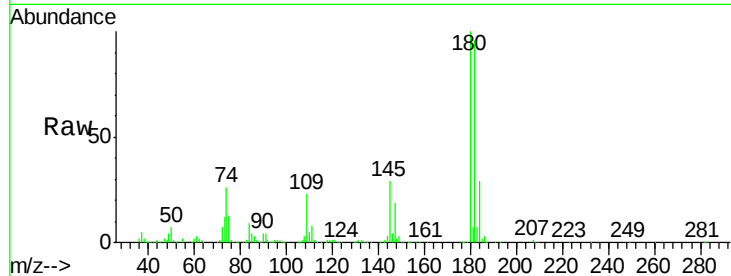
#93
 1,2,4-Trichlorobenzene
 Concen: 45.88 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049266.D
 Acq: 15 Jun 2018 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061618

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.9	140.8
145	28.4	14.7	44.1

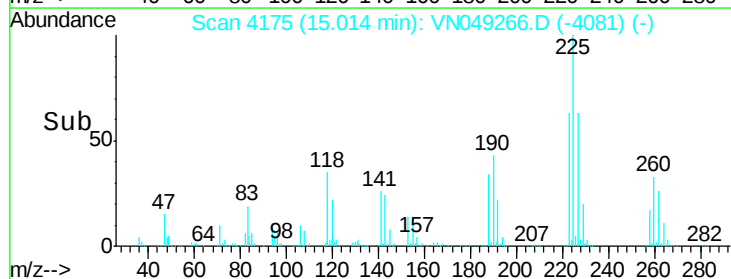
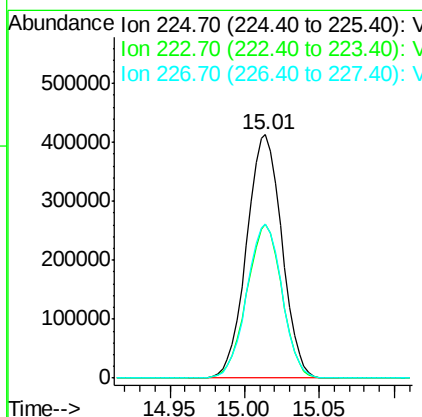
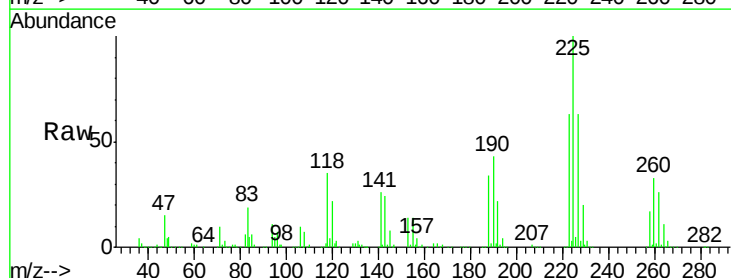
Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:15 PM



#94
 Hexachlorobutadiene
 Concen: 55.47 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049266.D
 Acq: 15 Jun 2018 17:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.1	96.3
227	63.2	31.8	95.3





#95

Naphthalene

Concen: 48.94 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061618

Tot Ion:128 Resp: 1665692

Ion Ratio Lower Upper

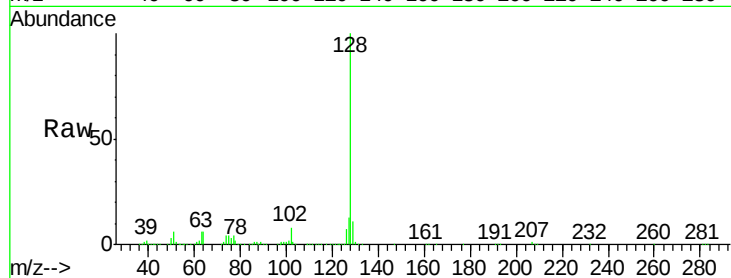
128 100

127 13.0 10.6 16.0

129 10.9 8.5 12.7

Manual Integrations
APPROVED

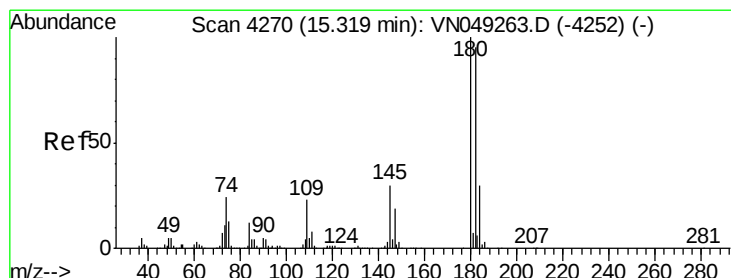
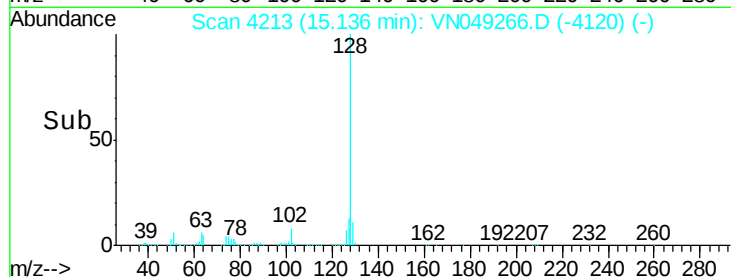
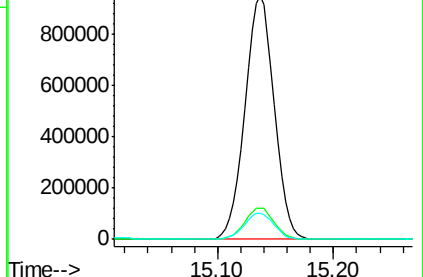
MMDadoda
6/18/2018 3:16:15 PM



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: 46.56 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049266.D

Acq: 15 Jun 2018 17:43

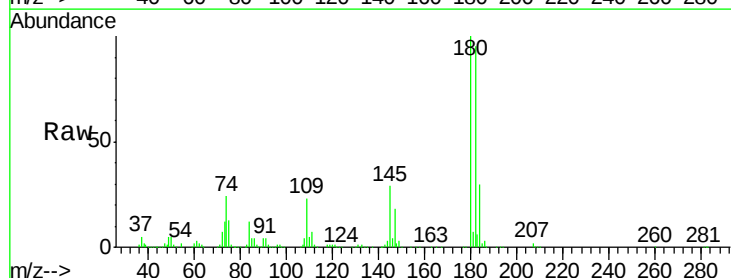
Tgt Ion:180 Resp: 871857

Ion Ratio Lower Upper

180 100

182 96.1 47.3 141.8

145 30.0 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

