

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049311.D
 Acq On : 16 Jun 2018 15:55
 Operator : MD\SY
 Sample : VN0616WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS03

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:22 PM

Quant Time: Jun 18 03:39:16 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	7.67	168	1479509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2215666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1988173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	938203	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	956702	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
35) Dibromofluoromethane	7.59	113	851267	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
50) Toluene-d8	10.09	98	3249217	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	12.40	95	1055958	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	314803	18.49	ug/l	98
3) Chloromethane	2.06	50	379219	17.25	ug/l	98
4) Vinyl Chloride	2.18	62	432313	18.50	ug/l	99
5) Bromomethane	2.57	94	150890	12.28	ug/l	98
6) Chloroethane	2.70	64	276847	19.87	ug/l	100
7) Trichlorofluoromethane	3.01	101	567999	19.48	ug/l	99
8) Diethyl Ether	3.41	74	190268	18.69	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	356374	19.27	ug/l	94
10) Methyl Iodide	3.95	142	277177	14.40	ug/l	92
11) Tert butyl alcohol	4.79	59	101979	88.54	ug/l	98
12) 1,1-Dichloroethene	3.73	96	311613	18.37	ug/l	93
13) Acrolein	3.61	56	93349	77.29	ug/l	97
14) Allyl chloride	4.32	41	505256	18.86	ug/l	90
15) Acrylonitrile	4.99	53	536613	93.18	ug/l	98
16) Acetone	3.82	43	478713	100.47	ug/l	91
17) Carbon Disulfide	4.05	76	916975	17.25	ug/l	100
18) Methyl Acetate	4.33	43	273581	18.83	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	830955	19.21	ug/l	98
20) Methylene Chloride	4.54	84	374875	18.84	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	337053	18.77	ug/l	96
22) Diisopropyl ether	5.96	45	1044602	19.53	ug/l	95
23) Vinyl Acetate	5.90	43	3304822	94.78	ug/l	95
24) 1,1-Dichloroethane	5.85	63	660707	19.30	ug/l	99
25) 2-Butanone	6.84	43	603869	94.39	ug/l	96
26) 2,2-Dichloropropane	6.83	77	548500	19.84	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	382643	19.16	ug/l	92
28) Bromochloromethane	7.19	49	306258	20.18	ug/l	85
29) Tetrahydrofuran	7.22	42	384655	93.40	ug/l	95
30) Chloroform	7.37	83	660520	19.39	ug/l	100
31) Cyclohexane	7.65	56	569399	19.51	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	562770	19.36	ug/l	97
36) 1,1-Dichloropropene	7.79	75	497152	19.58	ug/l	98
37) Ethyl Acetate	6.93	43	269934	19.55	ug/l #	98
38) Carbon Tetrachloride	7.77	117	507140	19.29	ug/l	98

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Quant Time: Jun 18 03:39:16 2018
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 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)
39) Methylcyclohexane	9.08	83	520848	19.11	ug/l	98
40) Benzene	8.04	78	1498179	19.24	ug/l	99
41) Methacrylonitrile	7.18	41	149011	19.97	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	469116	19.50	ug/l	98
43) Isopropyl Acetate	8.17	43	541965	20.55	ug/l	99
44) Trichloroethene	8.83	130	398646	19.39	ug/l	96
45) 1,2-Dichloropropane	9.12	63	392650	19.26	ug/l	99
46) Dibromomethane	9.21	93	228263	19.31	ug/l	93
47) Bromodichloromethane	9.40	83	499236	19.22	ug/l	98
48) Methyl methacrylate	9.20	41	224409	18.07	ug/l #	88
49) 1,4-Dioxane	9.20	88	60482	352.80	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1318716	95.39	ug/l	96
52) Toluene	10.16	92	904879	19.80	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	465903	18.75	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	562157	19.16	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	322091	18.91	ug/l	96
56) Ethyl methacrylate	10.43	69	363716	18.51	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	540618	19.16	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	526210	84.93	ug/l	94
59) 2-Hexanone	10.75	43	832651	93.43	ug/l	93
60) Dibromochloromethane	10.90	129	358990	18.88	ug/l	100
61) 1,2-Dibromoethane	11.01	107	301308	19.03	ug/l	100
64) Tetrachloroethene	10.63	164	436603	21.43	ug/l	98
65) Chlorobenzene	11.44	112	990624	19.34	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	370303	19.21	ug/l	99
67) Ethyl Benzene	11.51	91	1653604	19.46	ug/l	98
68) m/p-Xylenes	11.62	106	1284369	40.29	ug/l	96
69) o-Xylene	11.95	106	609760	19.86	ug/l	97
70) Styrene	11.97	104	965119	19.92	ug/l	98
71) Bromoform	12.13	173	232721	18.65	ug/l #	99
73) Isopropylbenzene	12.25	105	1643792	19.95	ug/l	97
74) N-amyl acetate	12.07	43	357636	17.73	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	356212	19.66	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	319446m	19.96	ug/l	
77) Bromobenzene	12.53	156	402253	18.49	ug/l	92
78) n-propylbenzene	12.59	91	1842766	20.37	ug/l	98
79) 2-Chlorotoluene	12.68	91	1126945	19.66	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1333152	20.59	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	89431	17.66	ug/l	95
82) 4-Chlorotoluene	12.77	91	1117255	20.21	ug/l	98
83) tert-Butylbenzene	12.99	119	1131070	19.72	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1336447	20.78	ug/l	99
85) sec-Butylbenzene	13.17	105	1521313	19.93	ug/l	99
86) p-Isopropyltoluene	13.29	119	1281063	20.08	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	684632	19.13	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	657031	18.52	ug/l	99
89) n-Butylbenzene	13.62	91	919187	18.45	ug/l	98
90) Hexachloroethane	13.88	117	251519	19.81	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	669169	19.06	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48551	16.93	ug/l	86

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Instrument :
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ClientSampleId :
VN0616WBS03

Manual Integrations
APPROVED

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	213248	16.74	ug/l	99
94) Hexachlorobutadiene	15.01	225	212037	18.96	ug/l	98
95) Naphthalene	15.14	128	397585	16.73	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	233498	17.28	ug/l	99

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

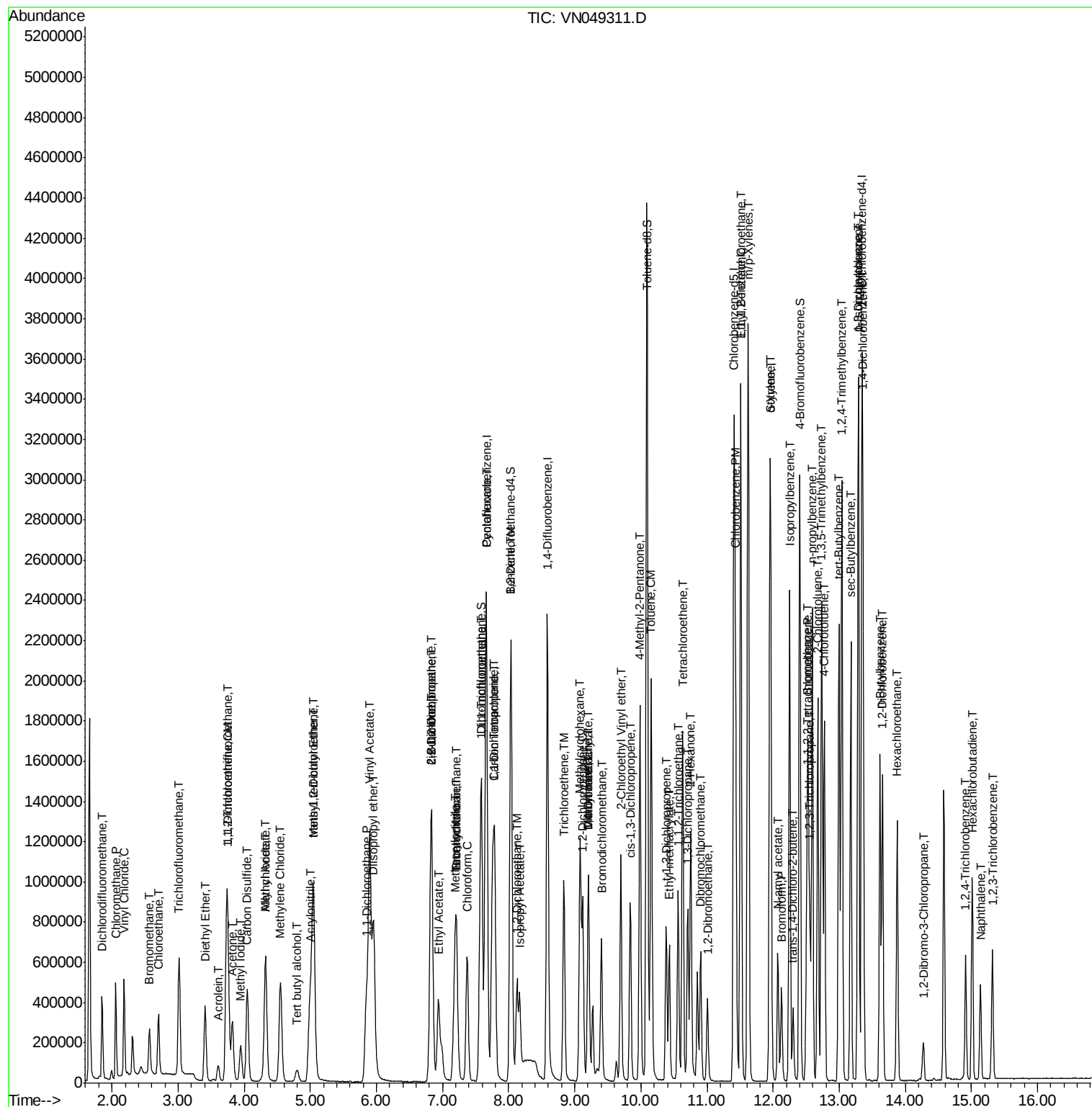
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
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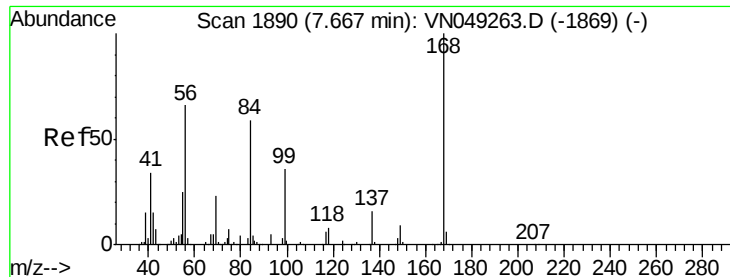
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS03

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS03

Tot Ion:168 Resp: 1479509

Ion Ratio Lower Upper

168 100

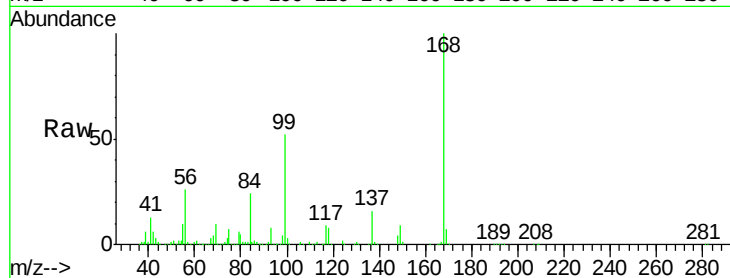
99 51.1 45.8 68.6

Manual Integrations

APPROVED

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

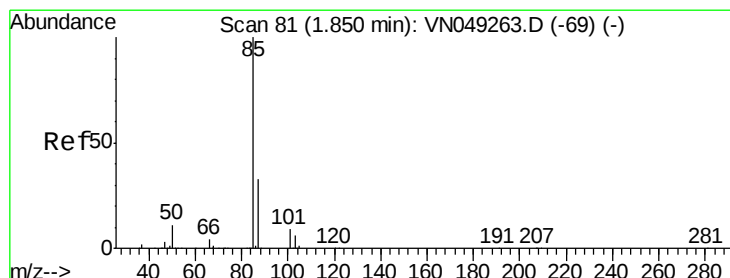
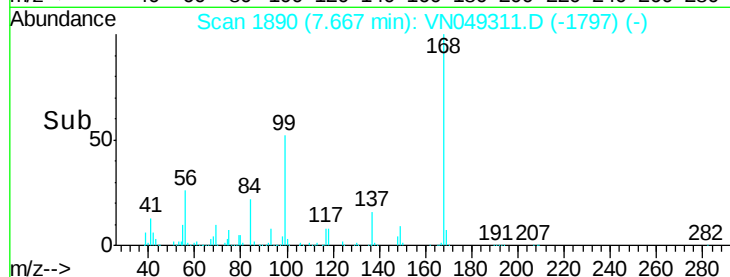
400000

200000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.49 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049311.D

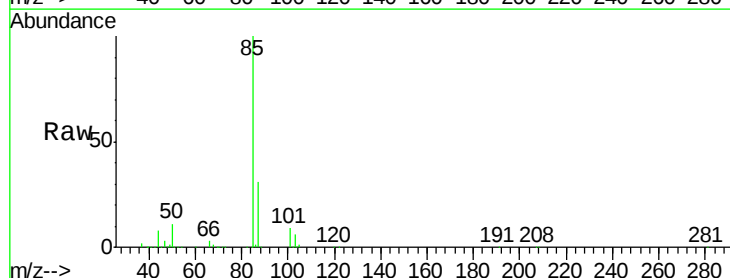
Acq: 16 Jun 2018 15:55

Tgt Ion: 85 Resp: 314803

Ion Ratio Lower Upper

85 100

87 31.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

150000

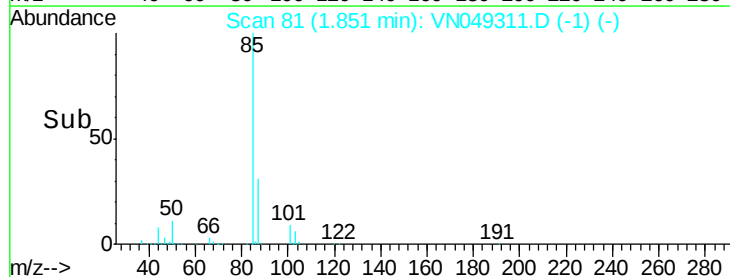
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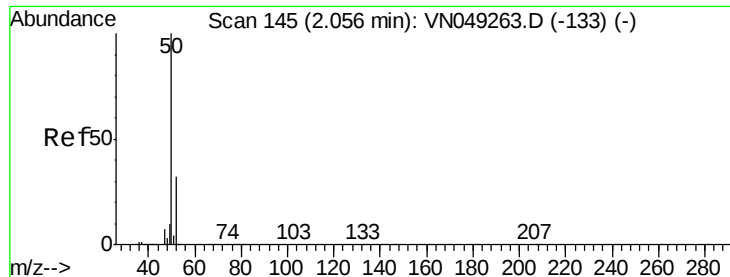
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1.80 1.85 1.90 1.95

Time-->





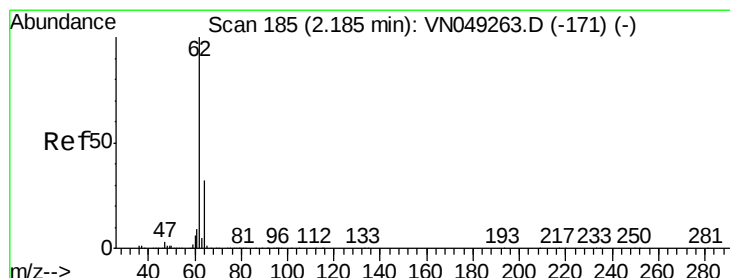
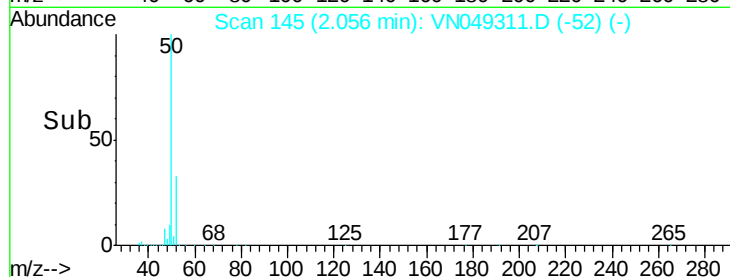
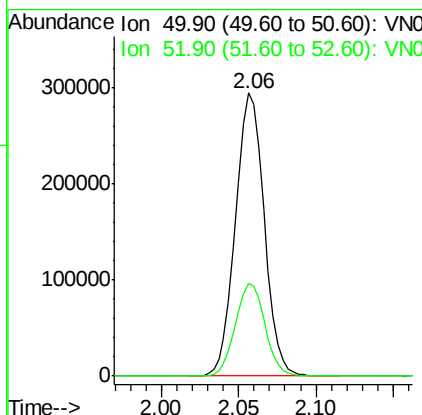
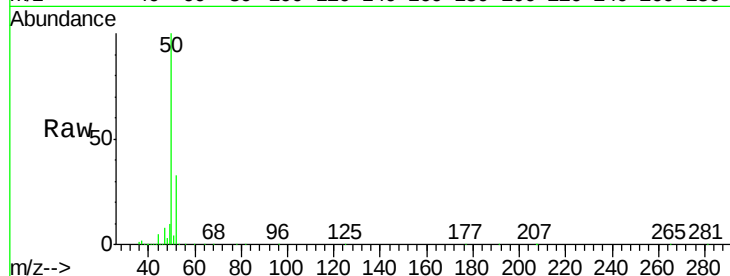
#3
Chloromethane
Concen: 17.25 ug/l
RT: 2.06 min Scan# 145
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.2	37.8

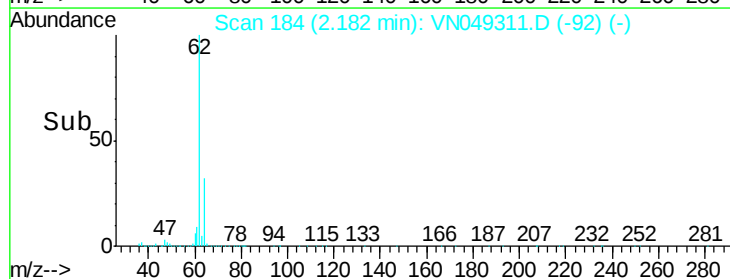
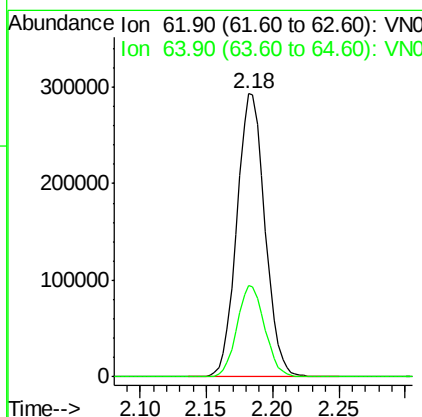
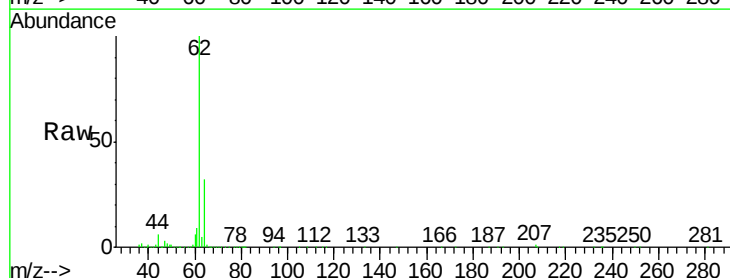
Manual Integrations
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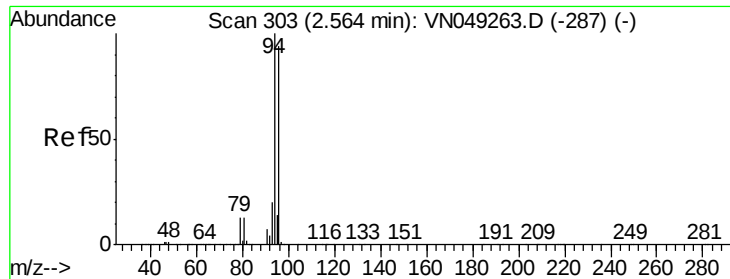
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#4
Vinyl Chloride
Concen: 18.50 ug/l
RT: 2.18 min Scan# 184
Delta R.T. -0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.7	38.5





#5

Bromomethane

Concen: 12.28 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS03

Tot Ion: 94 Resp: 150890

Ion Ratio Lower Upper

94 100

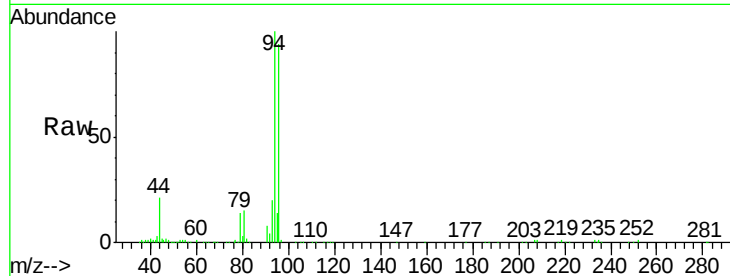
96 93.1 72.8 109.2

Manual Integrations

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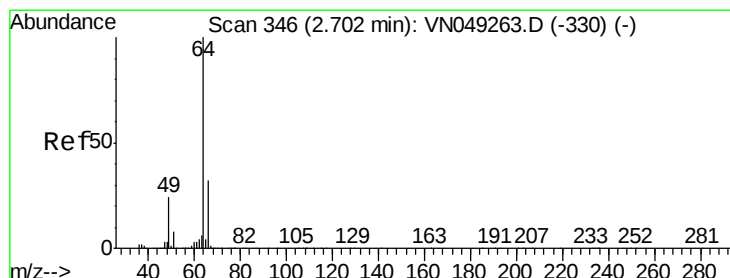
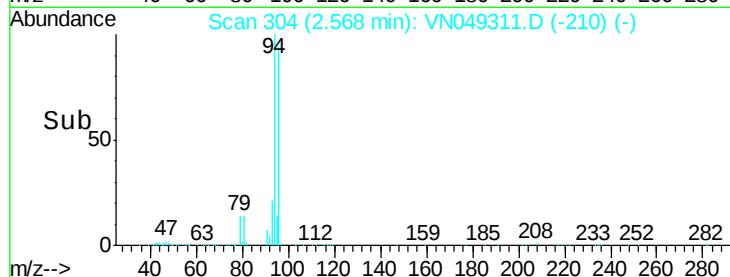
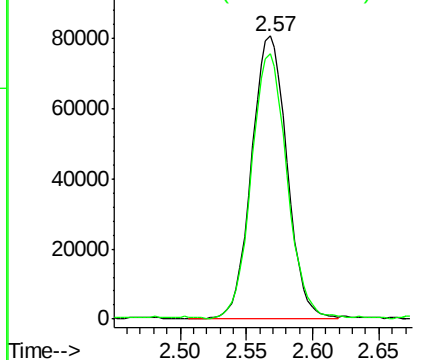
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.87 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049311.D

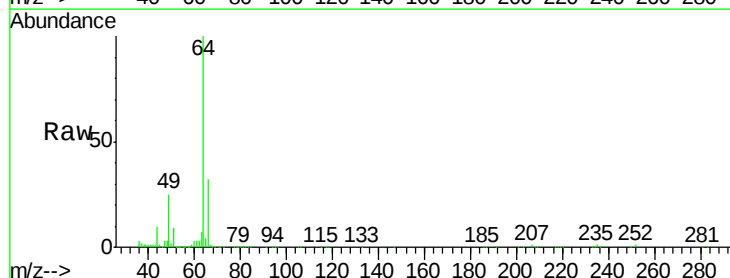
Acq: 16 Jun 2018 15:55

Tgt Ion: 64 Resp: 276847

Ion Ratio Lower Upper

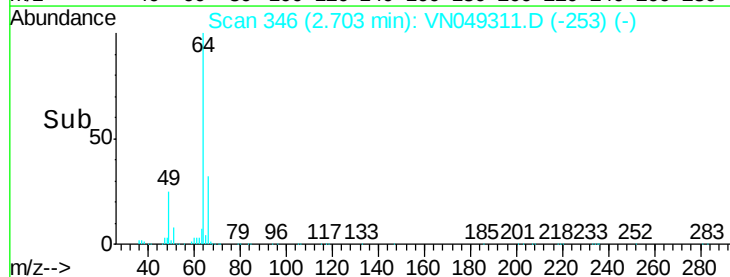
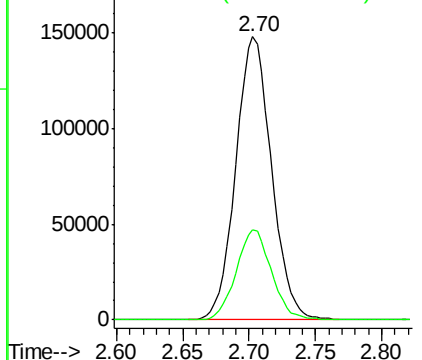
64 100

66 31.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

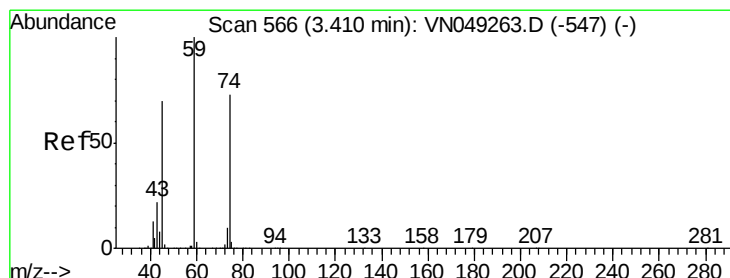
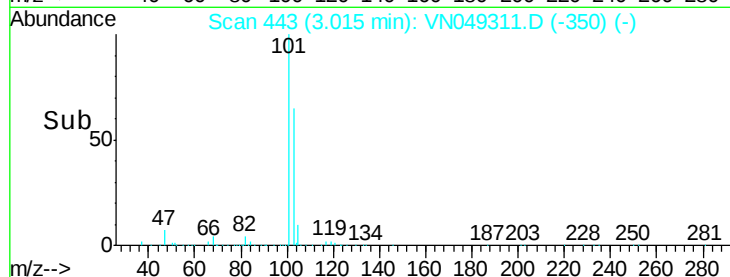
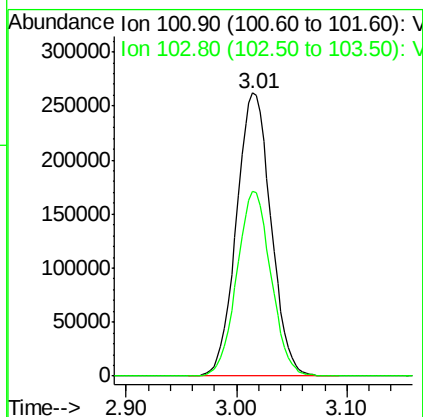
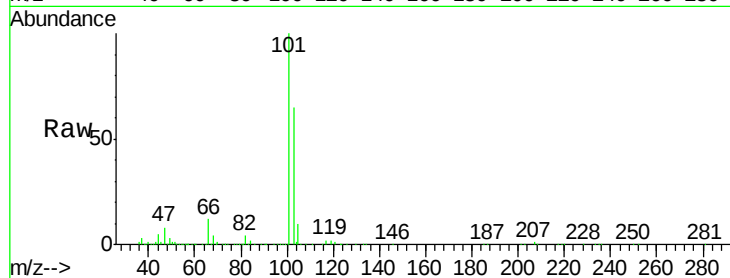
Trichlorofluoromethane
Concen: 19.48 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
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ClientSampleId :
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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	65.2	51.7	77.5	

Manual Integrations
APPROVED

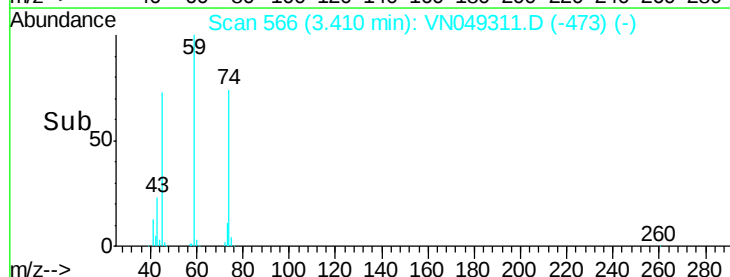
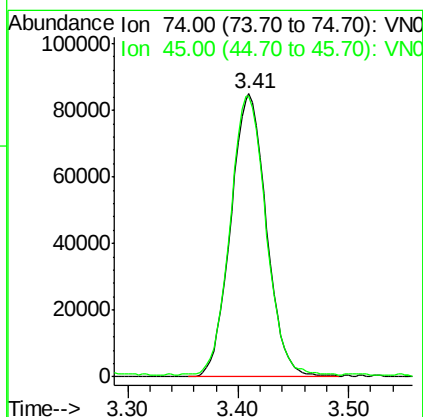
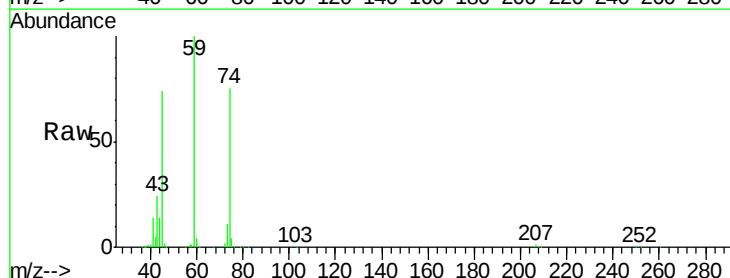
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#8

Diethyl Ether
Concen: 18.69 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	98.7	51.9	155.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.27 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

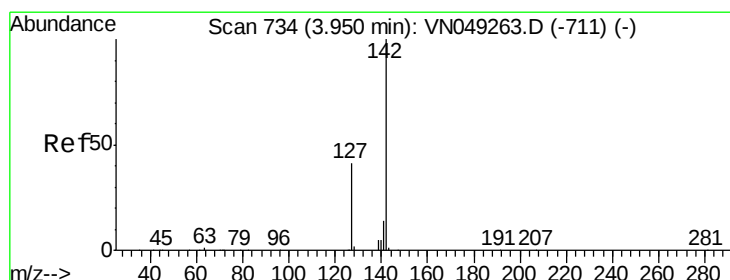
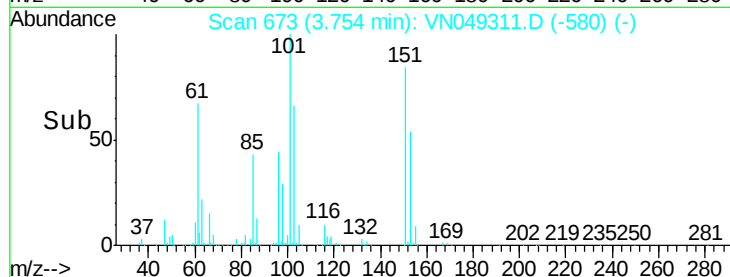
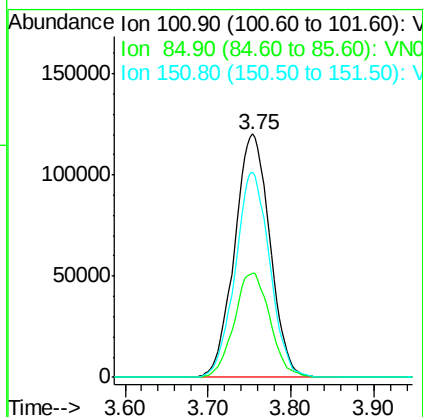
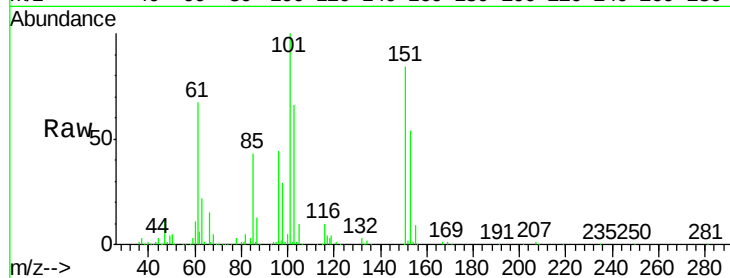
ClientSampleId :

VN0616WBS03

Tot Ion:	101	Resp:	356374
Ion Ratio	Lower	Upper	
101	100		
85	43.3	37.6	56.4
151	82.3	61.1	91.7

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#10

Methyl Iodide

Concen: 14.40 ug/l

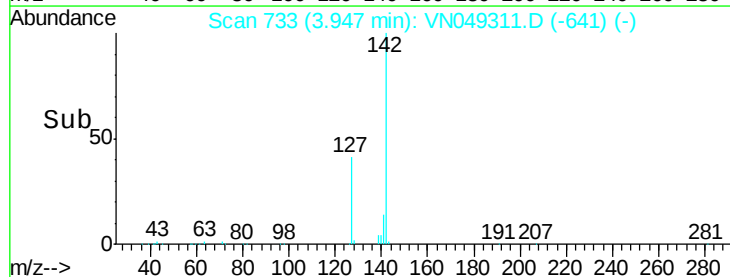
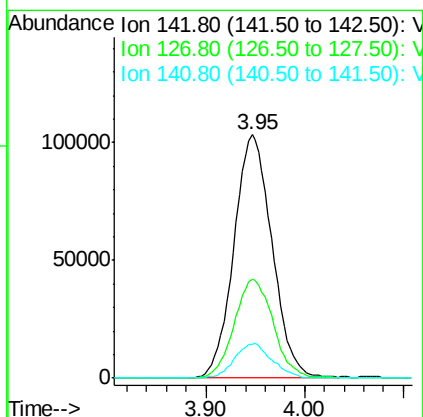
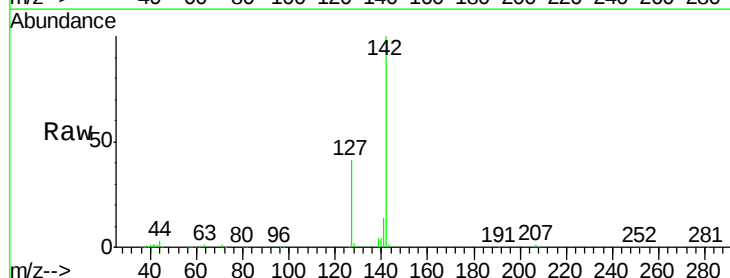
RT: 3.95 min Scan# 733

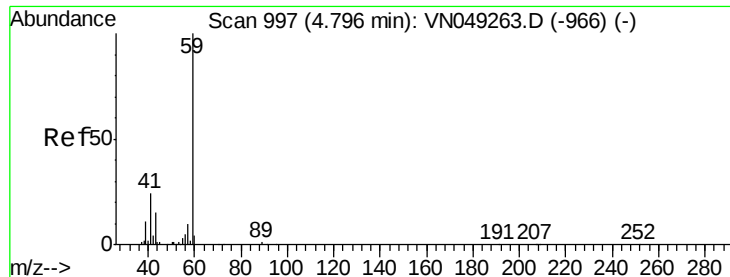
Delta R.T. -0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Tgt Ion:	142	Resp:	277177
Ion Ratio	Lower	Upper	
142	100		
127	41.5	38.2	57.4
141	14.0	11.9	17.9





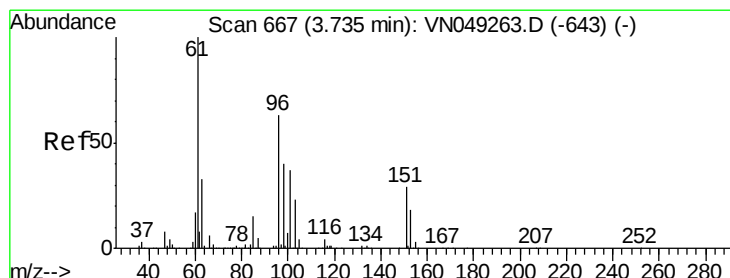
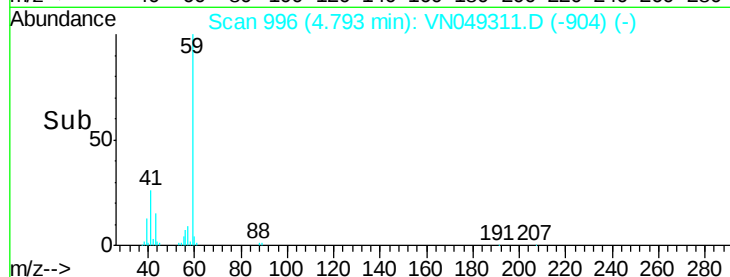
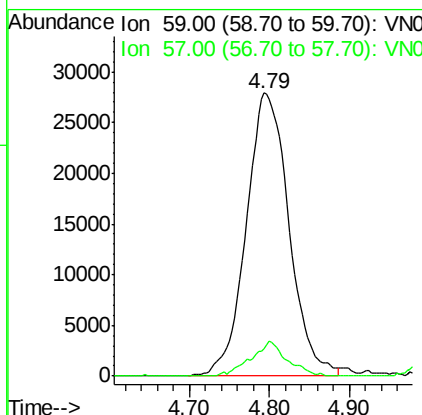
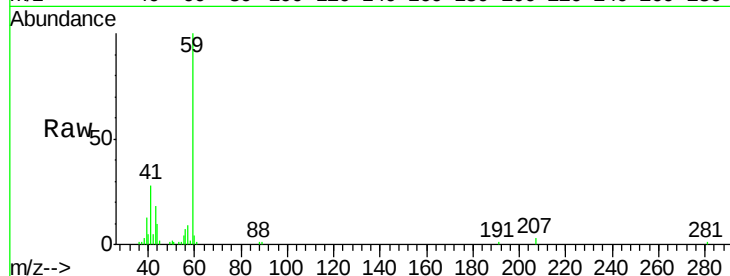
#11
Tert butyl alcohol
Concen: 88.54 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.0	13.6

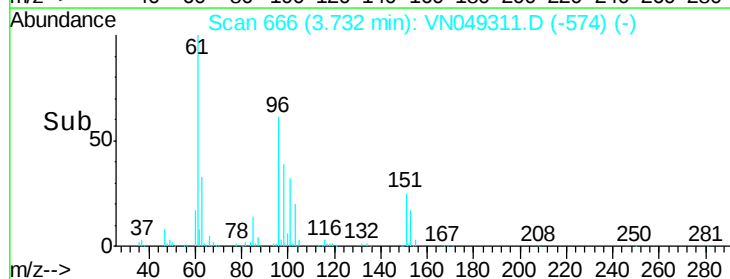
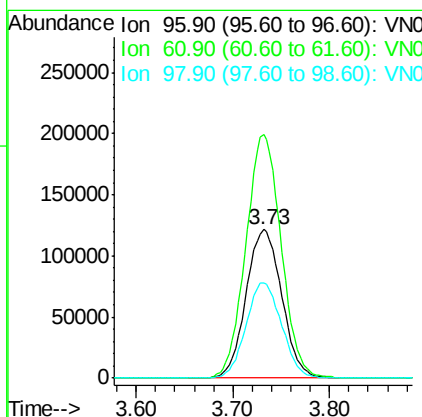
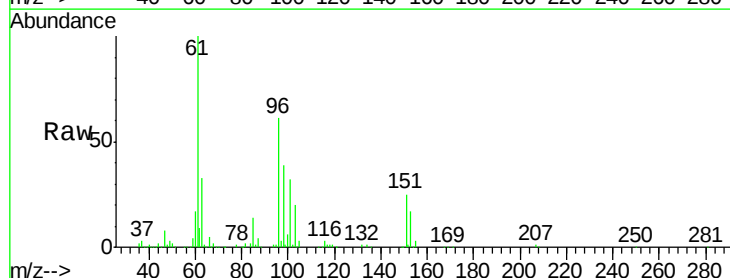
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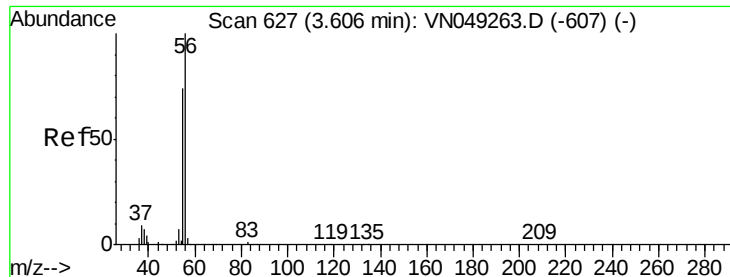
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.37 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.2	141.0	211.4
98	64.6	50.4	75.6





#13

Acrolein

Concen: 77.29 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS03

Tot Ion: 56 Resp: 93349

Ion Ratio Lower Upper

56 100

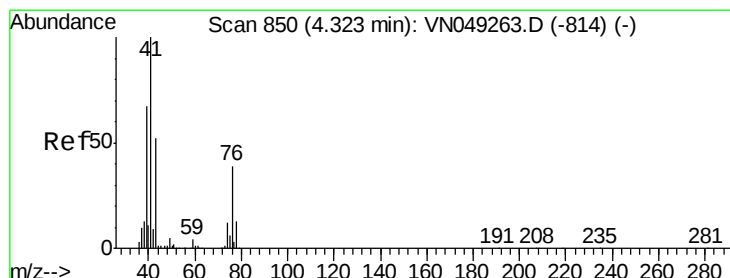
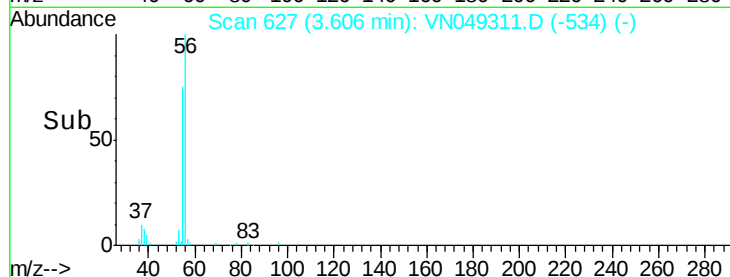
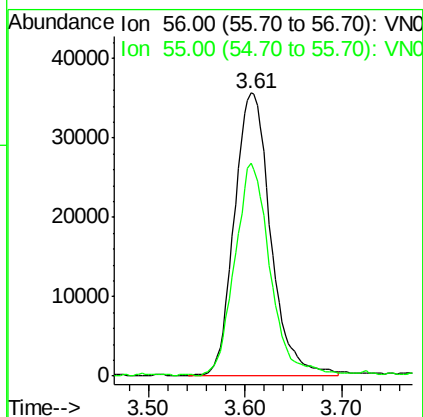
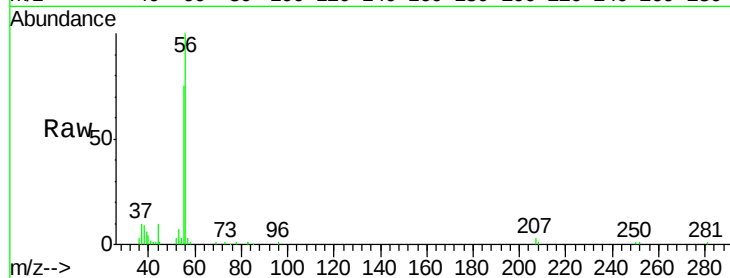
55 73.6 57.1 85.7

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#14

Allyl chloride

Concen: 18.86 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

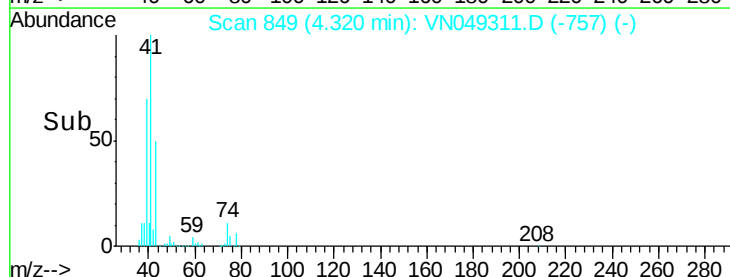
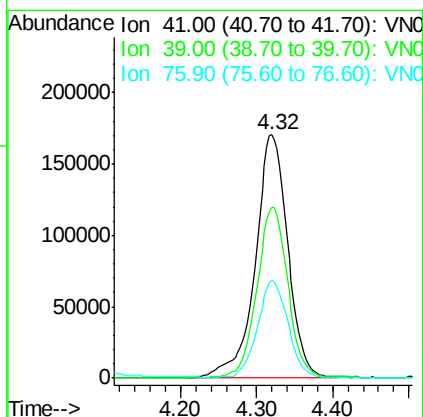
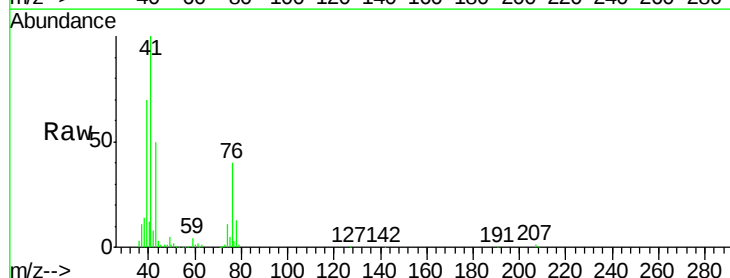
Tgt Ion: 41 Resp: 505256

Ion Ratio Lower Upper

41 100

39 67.5 62.5 93.7

76 36.9 27.1 40.7





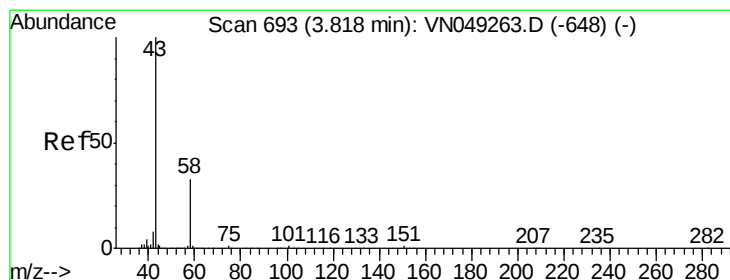
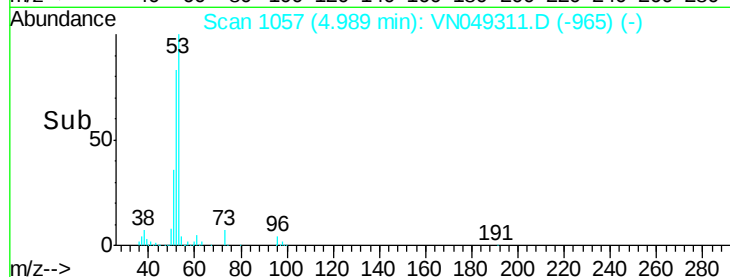
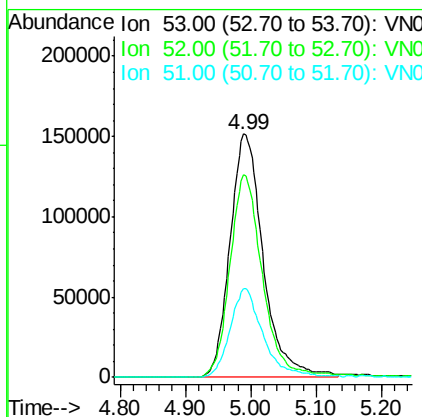
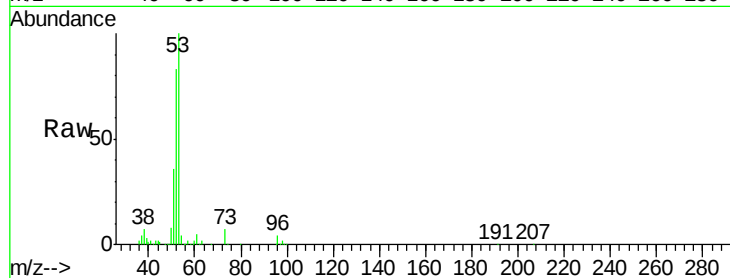
#15
 Acrylonitrile
 Concen: 93.18 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049311.D
 Acq: 16 Jun 2018 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS03

Tot Ion:	53	Resp:	536613
Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.6	100.0
51	36.3	29.8	44.8

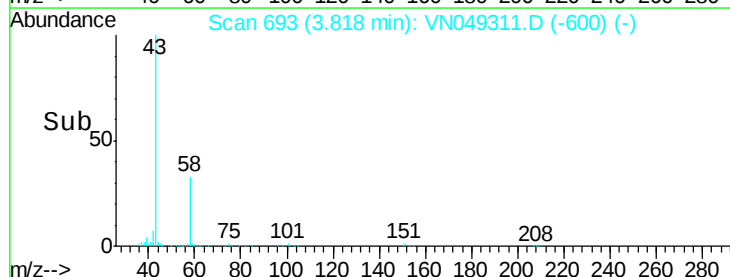
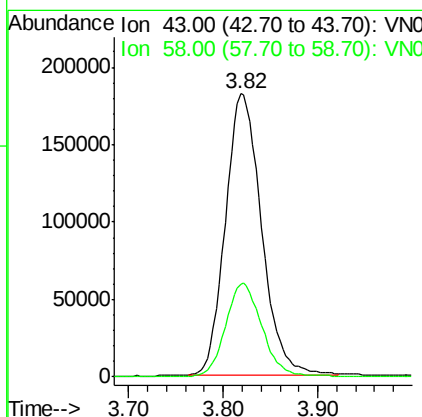
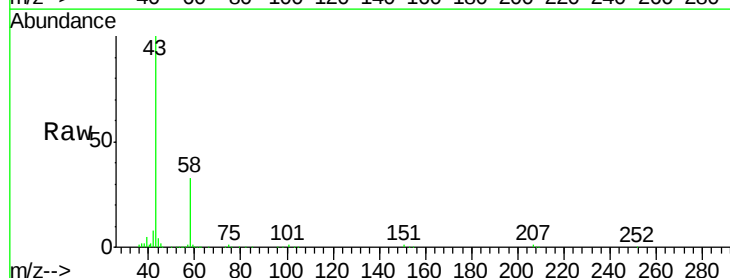
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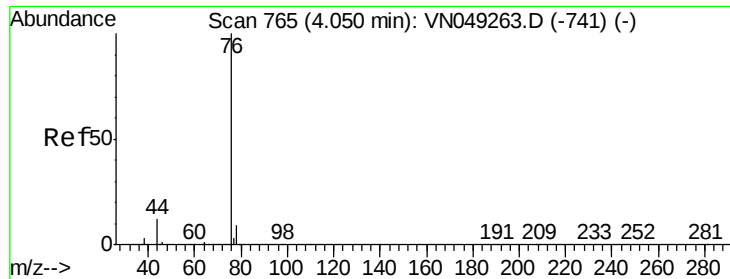
MMDadoda
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#16
 Acetone
 Concen: 100.47 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049311.D
 Acq: 16 Jun 2018 15:55

Tgt Ion:	43	Resp:	478713
Ion	Ratio	Lower	Upper
43	100		
58	32.8	22.4	33.6





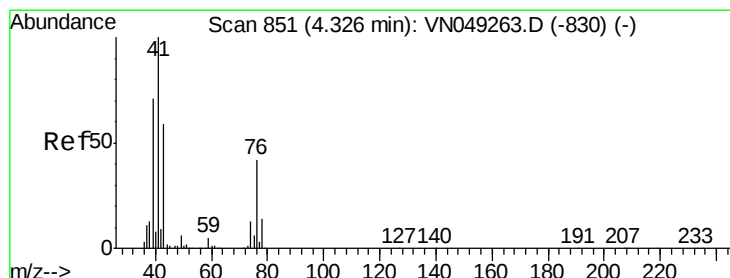
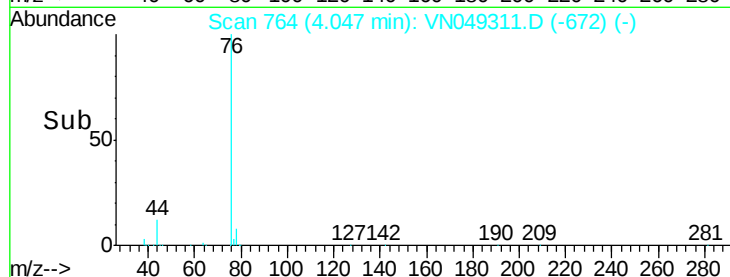
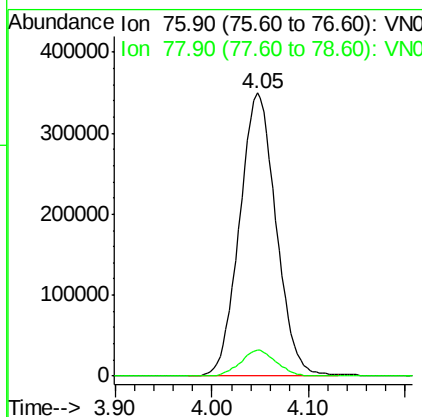
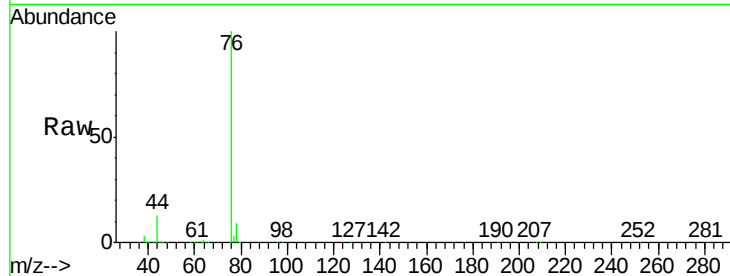
#17
Carbon Disulfide
Concen: 17.25 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

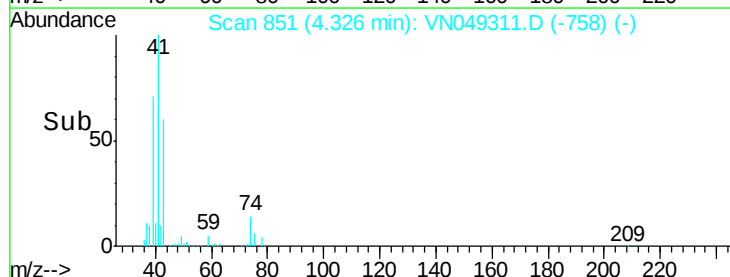
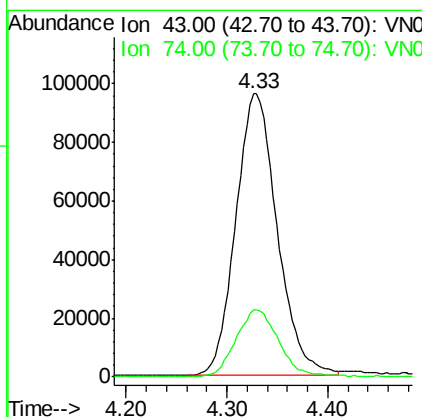
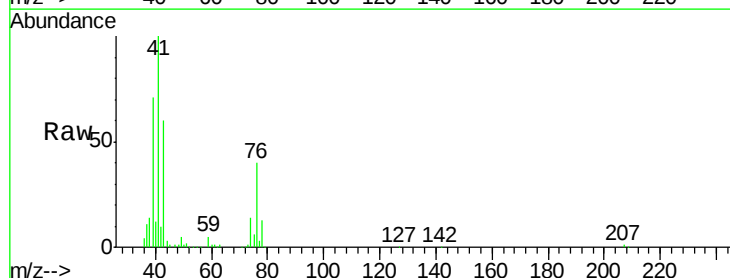
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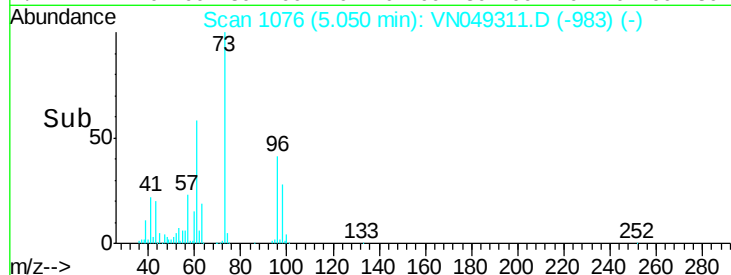
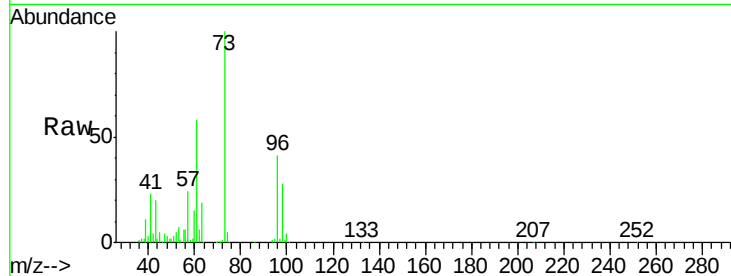
MMDadoda
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#18
Methyl Acetate
Concen: 18.83 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	17.4	26.0





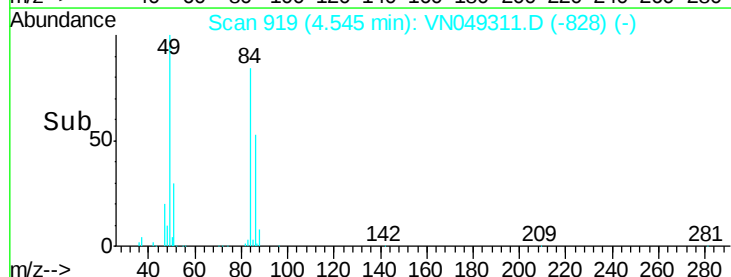
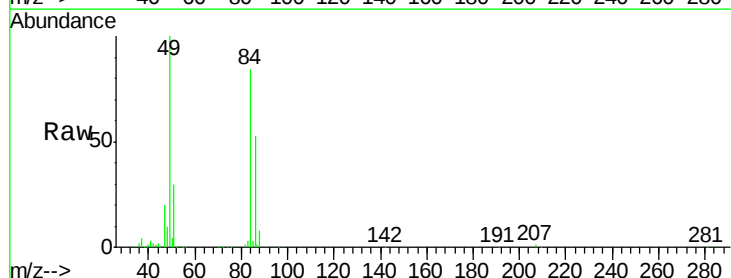
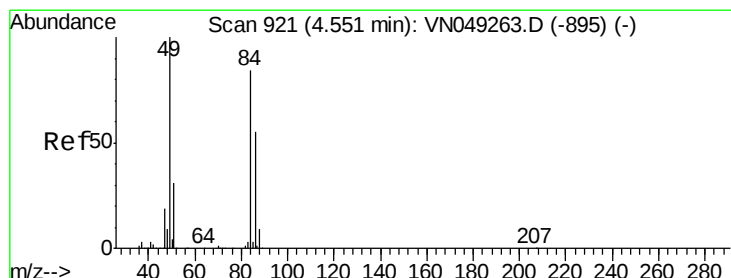
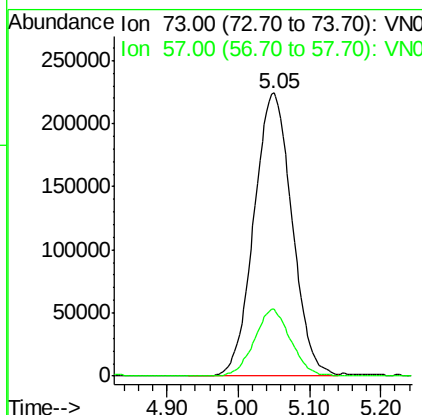
#19
Methyl tert-butyl Ether
Concen: 19.21 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tot Ion: 73 Resp: 830955
Ion Ratio Lower Upper
73 100
57 23.6 18.2 27.4

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

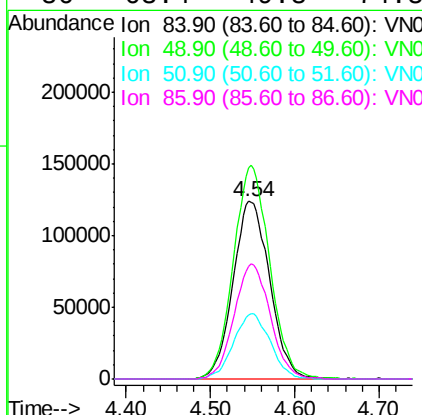
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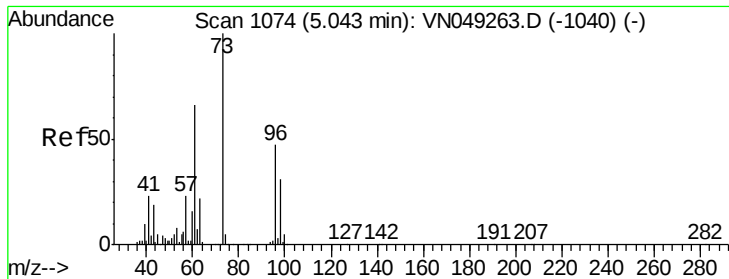
MMDadoda
6/18/2018 3:16:22 PM



#20
Methylene Chloride
Concen: 18.84 ug/l
RT: 4.54 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion: 84 Resp: 374875
Ion Ratio Lower Upper
84 100
49 118.7 106.9 160.3
51 36.1 32.7 49.1
86 63.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.77 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

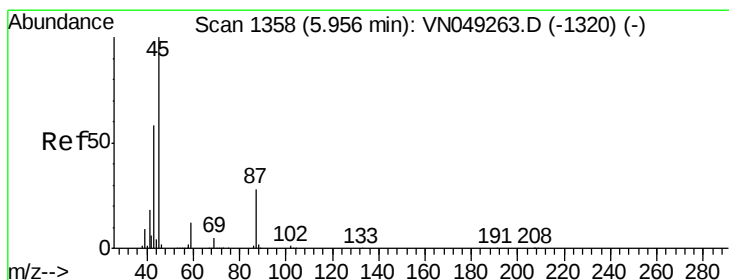
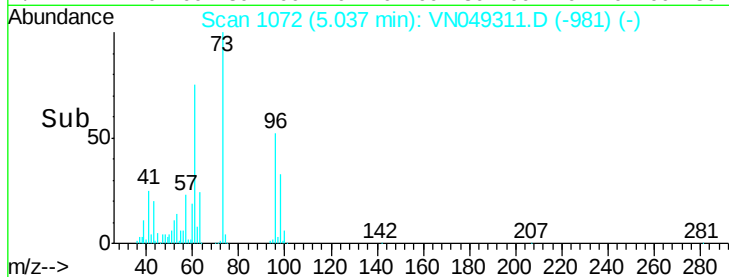
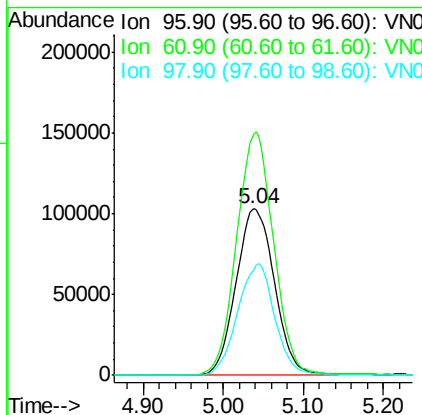
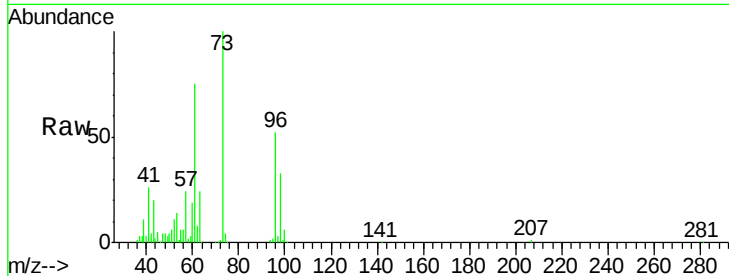
ClientSampleId :

VN0616WBS03

Tot Ion:	96	Resp:	337053
Ion	Ratio	Lower	Upper
96	100		
61	144.8	121.3	181.9
98	63.5	52.0	78.0

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#22

Diisopropyl ether

Concen: 19.53 ug/l

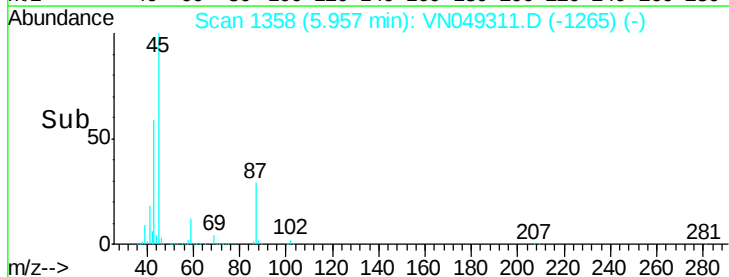
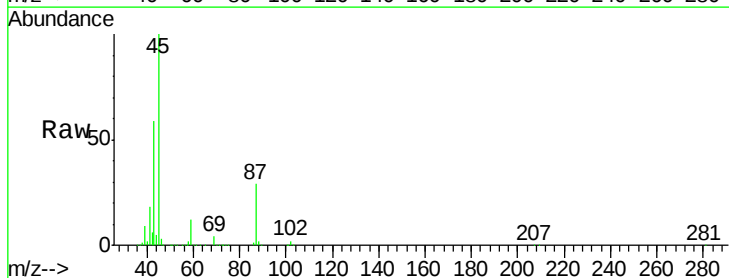
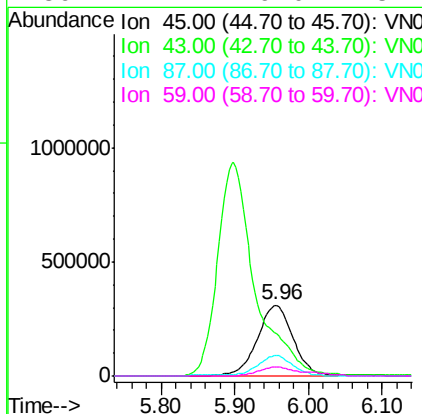
RT: 5.96 min Scan# 1358

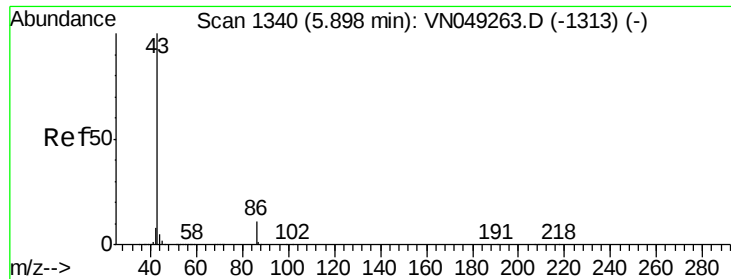
Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Tgt Ion:	45	Resp:	1044602
Ion	Ratio	Lower	Upper
45	100		
43	57.2	48.6	72.8
87	28.3	20.2	30.2
59	12.1	9.0	13.4





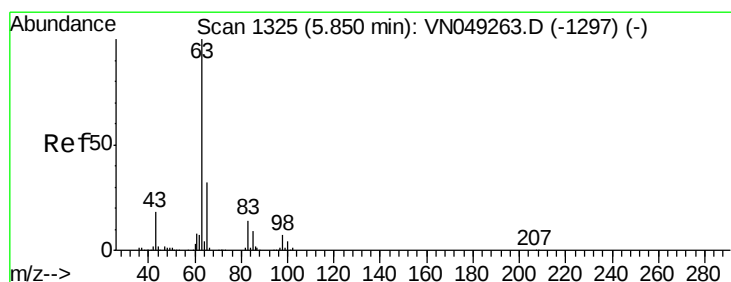
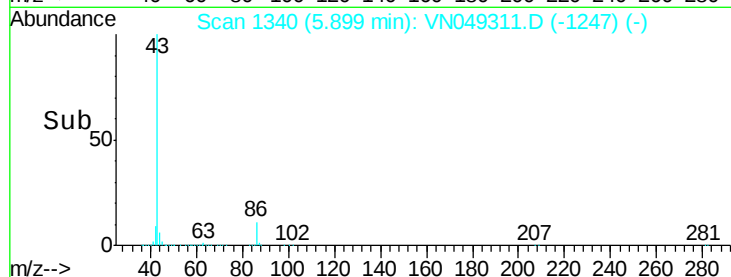
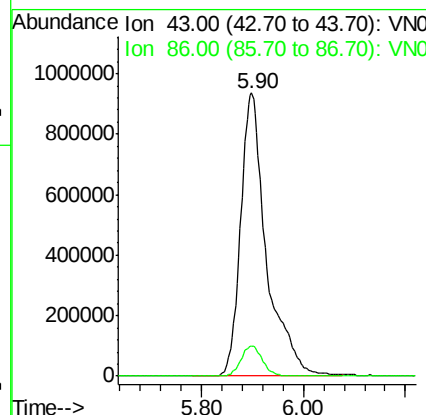
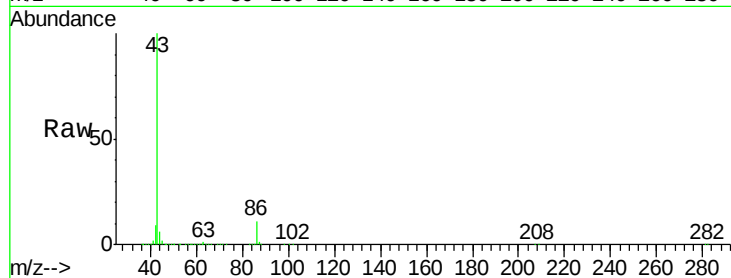
#23
 Vinyl Acetate
 Concen: 94.78 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN049311.D
 Acq: 16 Jun 2018 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS03

Tot Ion: 43 Resp: 3304822
 Ion Ratio Lower Upper
 43 100
 86 10.8 7.2 10.8

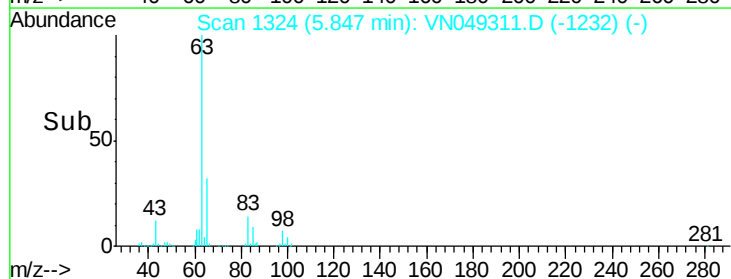
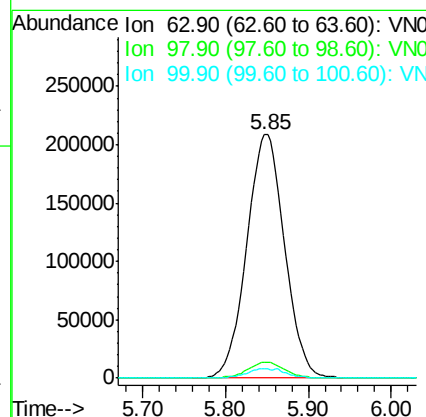
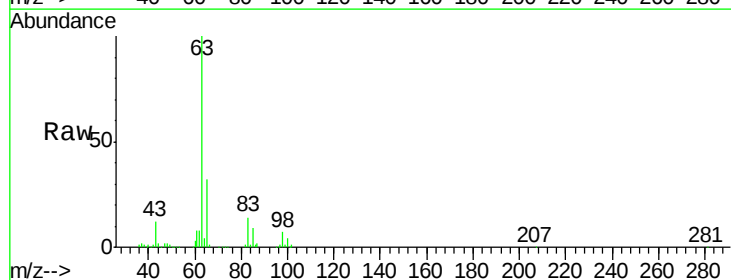
Manual Integrations
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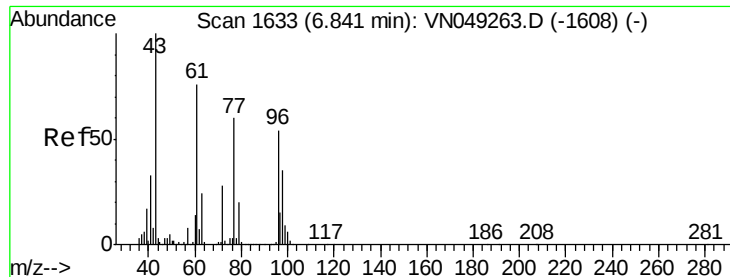
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 19.30 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN049311.D
 Acq: 16 Jun 2018 15:55

Tgt Ion: 63 Resp: 660707
 Ion Ratio Lower Upper
 63 100
 98 6.5 2.9 8.8
 100 3.9 2.1 6.3





#25

2-Butanone

Concen: 94.39 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS03

Tot Ion: 43 Resp: 603869

Ion Ratio Lower Upper

43 100

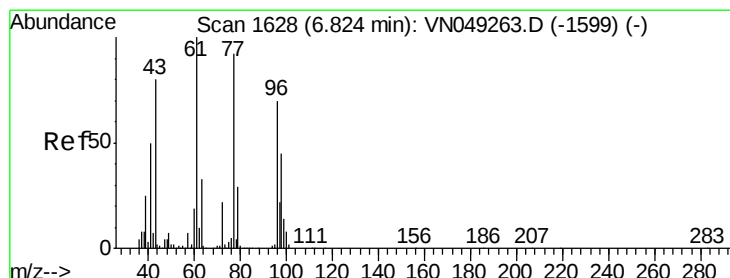
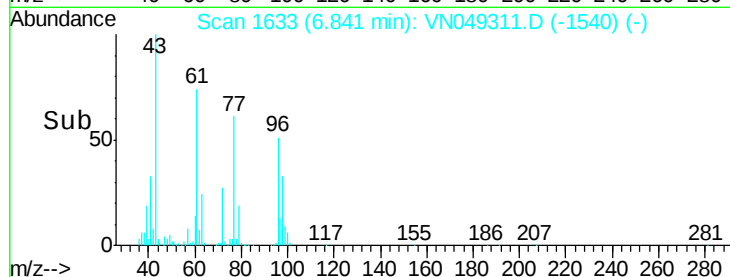
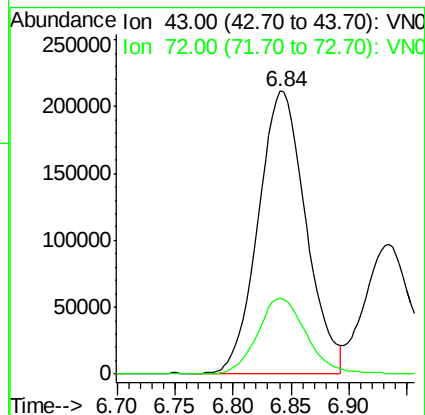
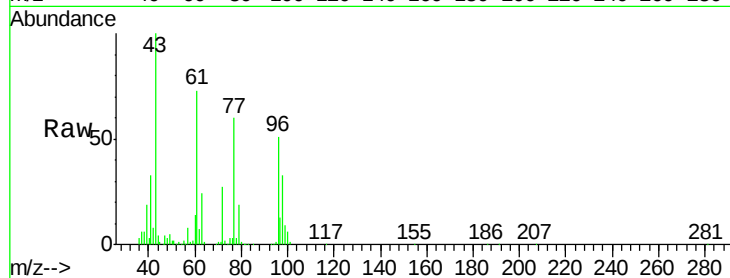
72 27.0 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.84 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049311.D

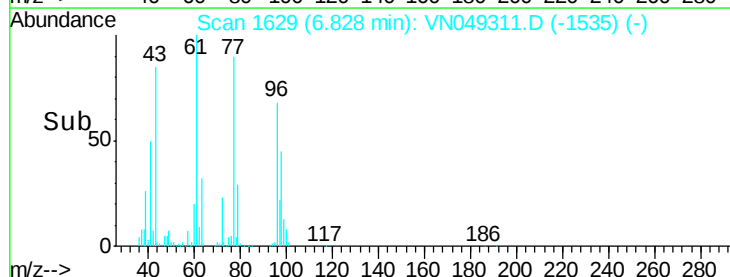
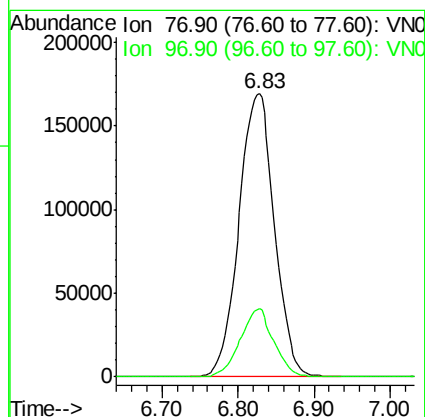
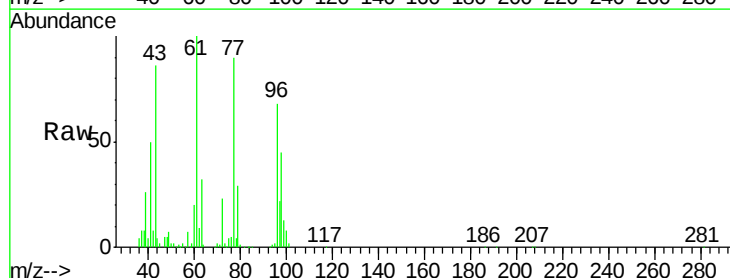
Acq: 16 Jun 2018 15:55

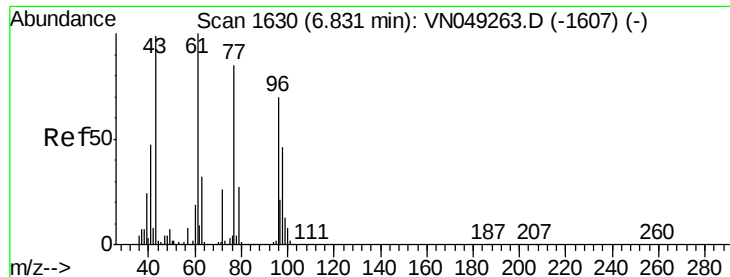
Tgt Ion: 77 Resp: 548500

Ion Ratio Lower Upper

77 100

97 22.7 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.16 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

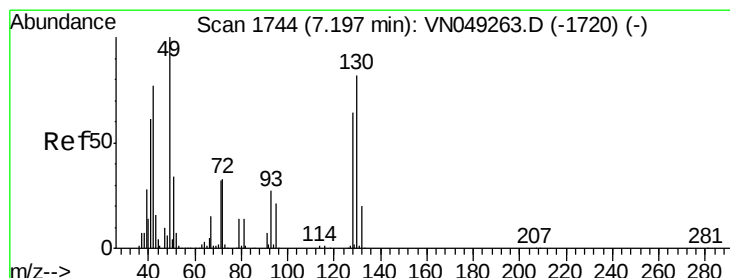
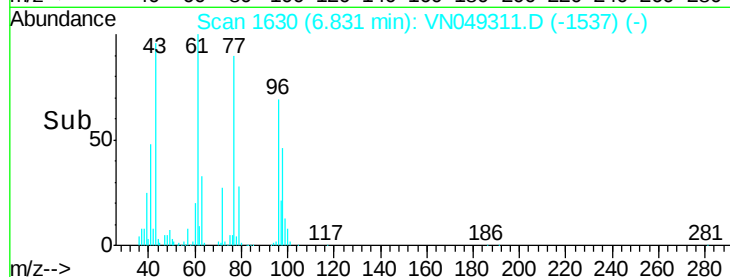
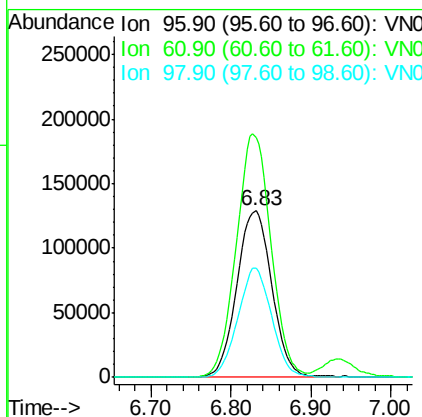
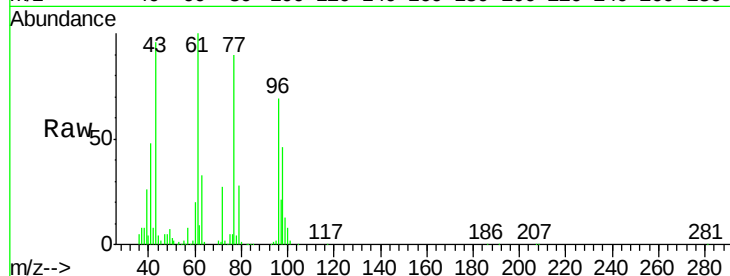
ClientSampleId :

VN0616WBS03

Tot Ion:	96	Resp:	382643
Ion Ratio	Lower	Upper	
96	100		
61	144.8	0.0	316.4
98	63.6	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 20.18 ug/l

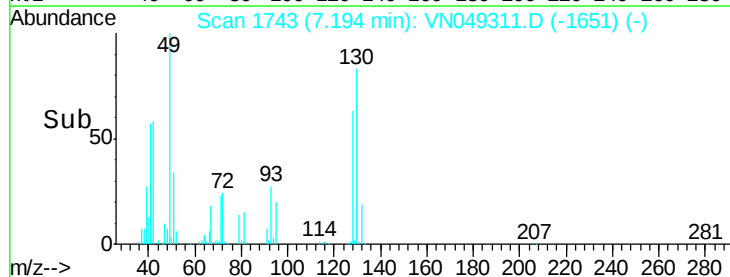
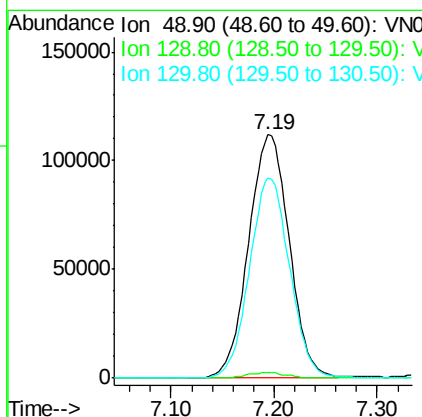
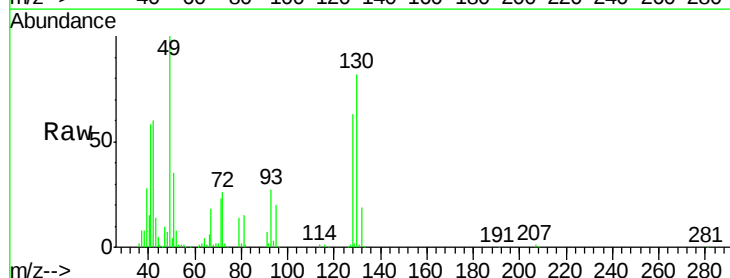
RT: 7.19 min Scan# 1743

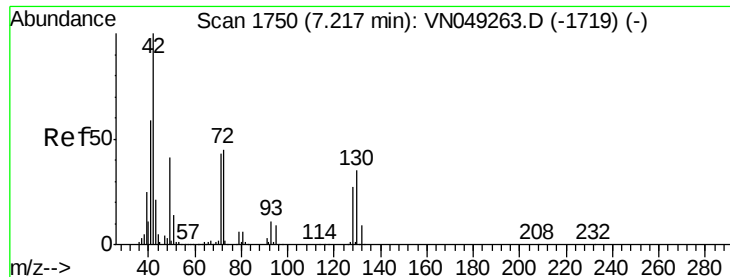
Delta R.T. -0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Tgt Ion:	49	Resp:	306258
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	3.8
130	81.5	54.9	82.3





#29

Tetrahydrofuran

Concen: 93.40 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

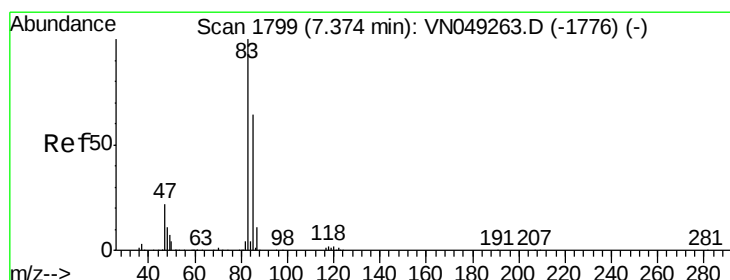
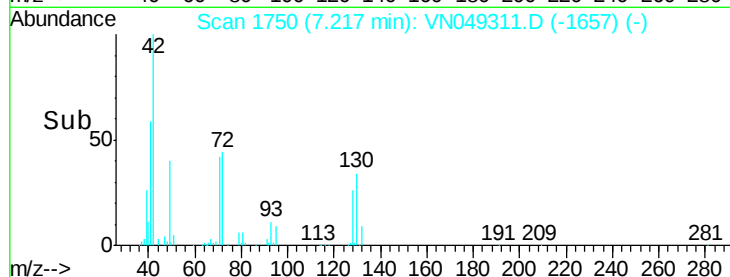
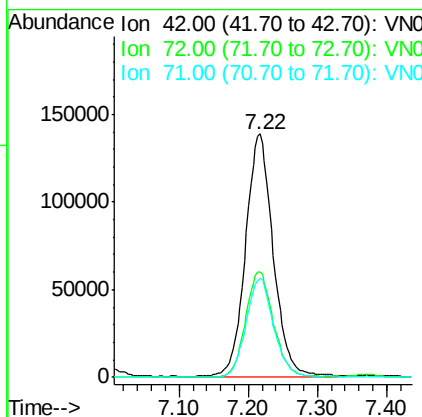
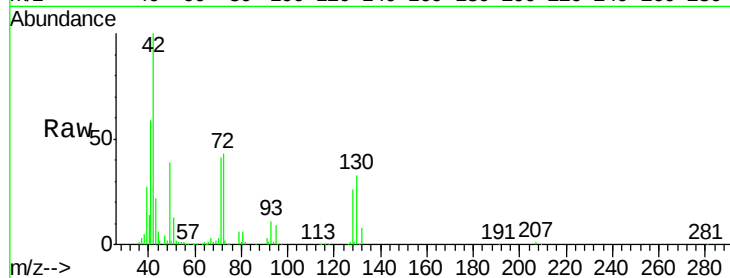
ClientSampleId :

VN0616WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100	384655		
72	72	43.8		32.2	48.4
71	71	40.6		30.5	45.7

Manual Integrations
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#30

Chloroform

Concen: 19.39 ug/l

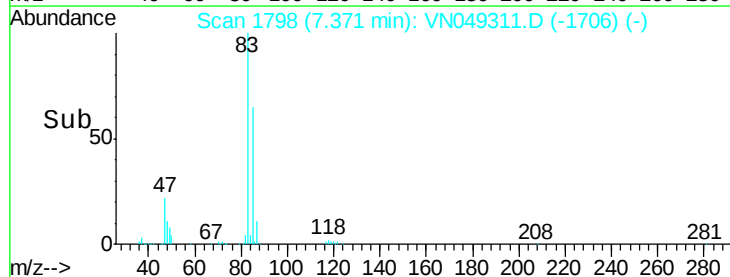
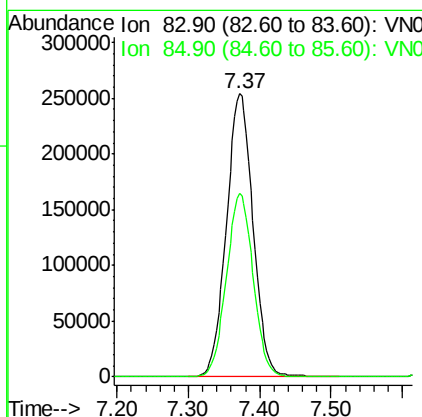
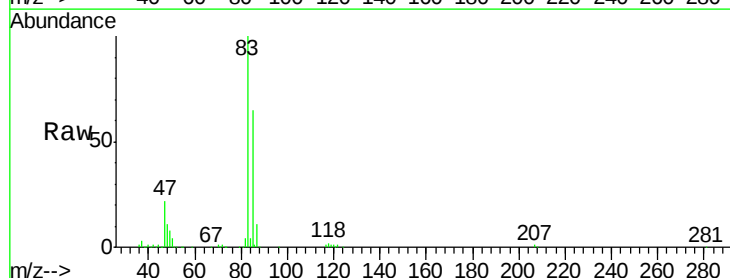
RT: 7.37 min Scan# 1798

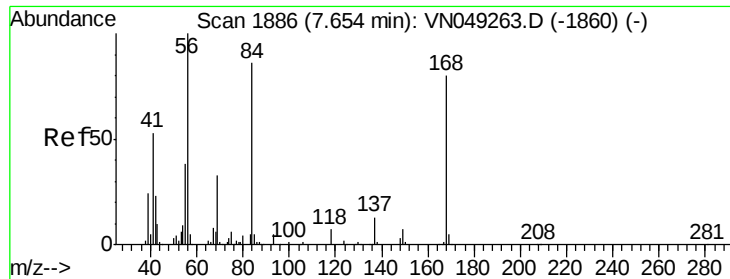
Delta R.T. -0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100	660520		
85	85	64.9		51.7	77.5





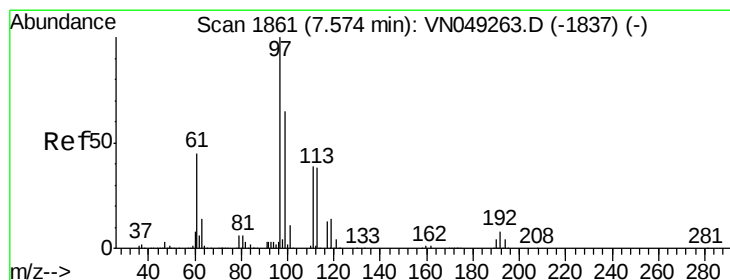
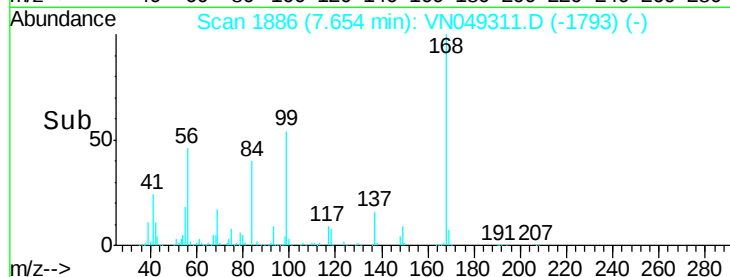
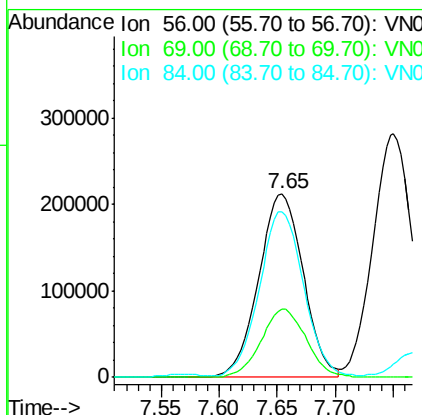
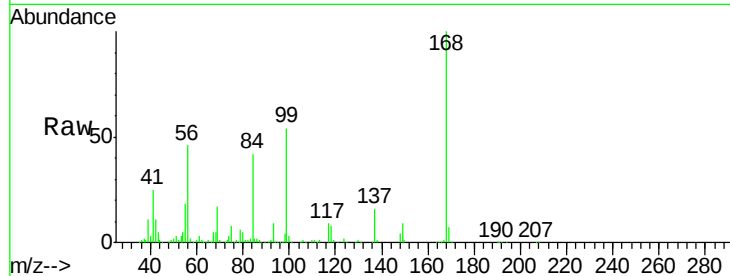
#31
Cyclohexane
Concen: 19.51 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.9	25.0	37.4
84	88.6	64.6	96.8

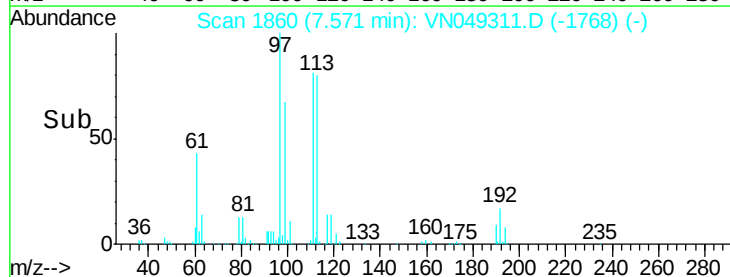
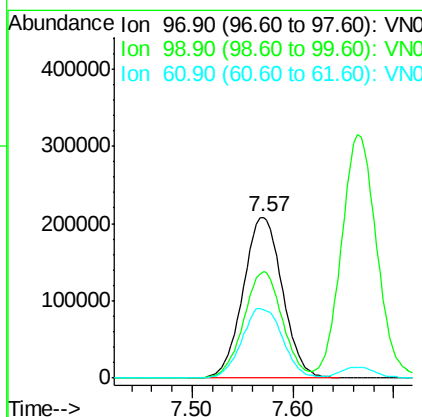
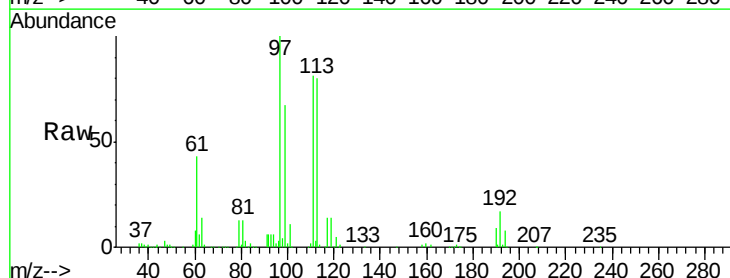
Manual Integrations
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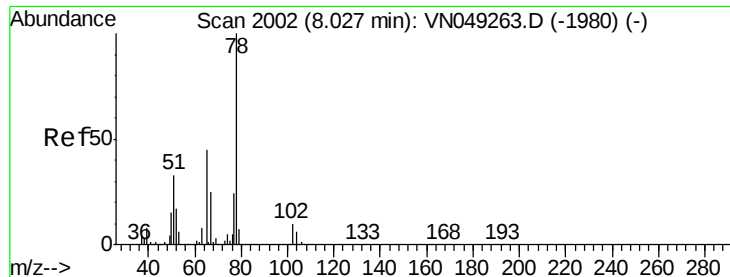
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.36 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.5	75.7
61	45.1	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 48.75 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS03

Tot Ion: 65 Resp: 956702

Ion Ratio Lower Upper

65 100

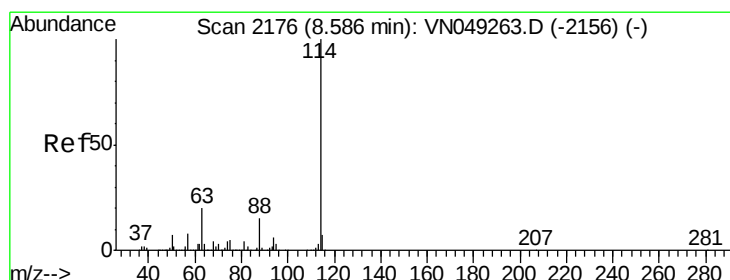
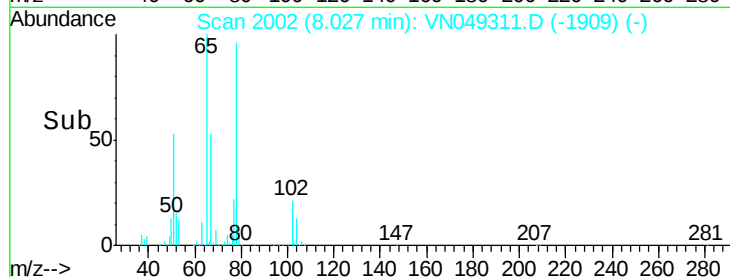
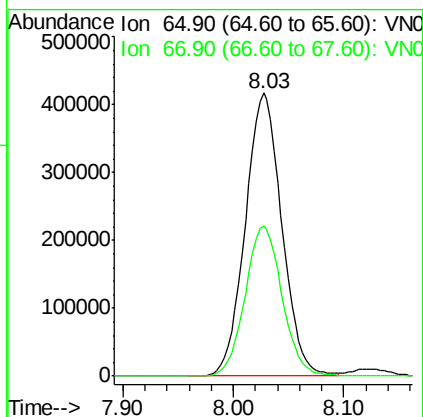
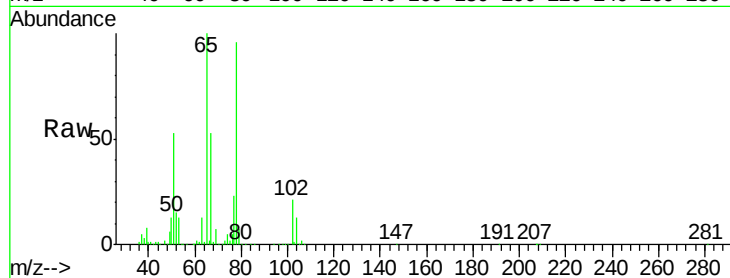
67 53.6 0.0 103.8

Manual Integrations

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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: VN049311.D

Acq: 16 Jun 2018 15:55

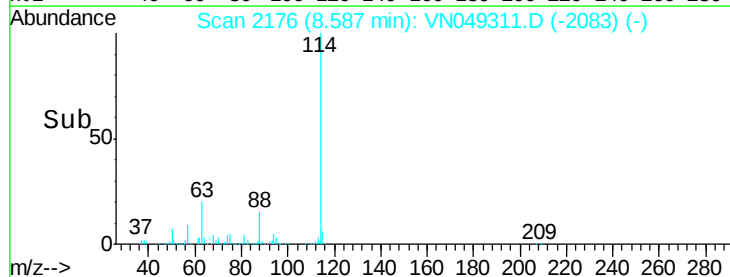
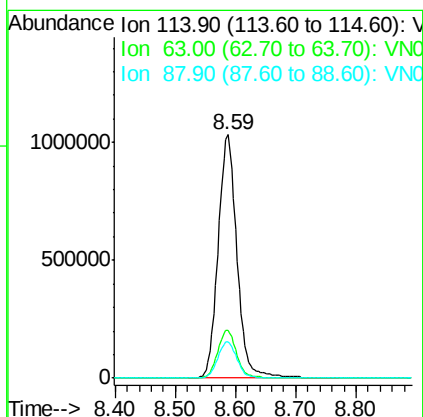
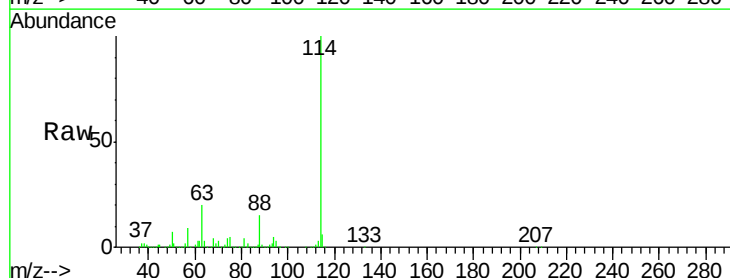
Tgt Ion: 114 Resp: 2215666

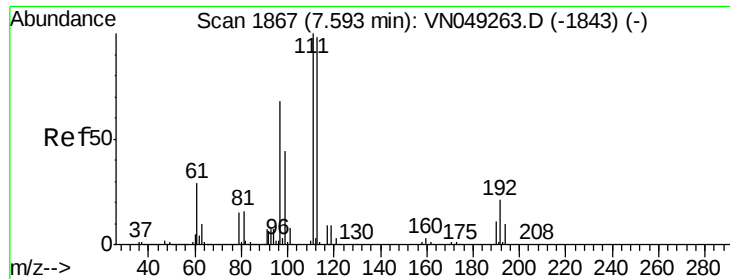
Ion Ratio Lower Upper

114 100

63 19.9 0.0 44.4

88 15.1 0.0 31.4





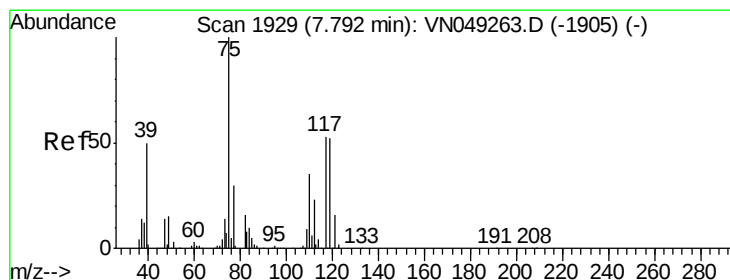
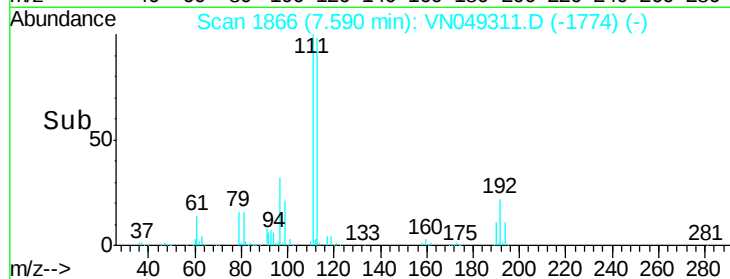
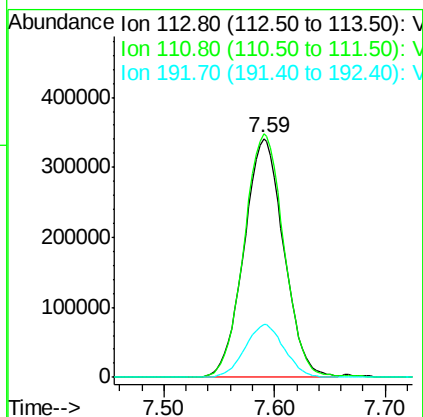
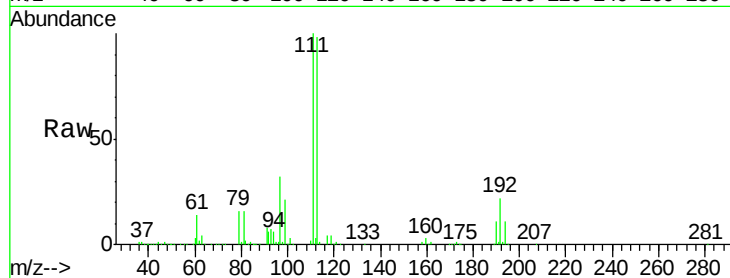
#35
Dibromofluoromethane
Concen: 47.49 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	851267		
111	103.1	82.4	123.6	
192	21.9	15.0	22.6	

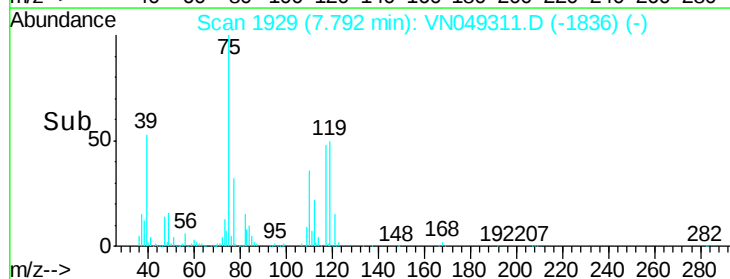
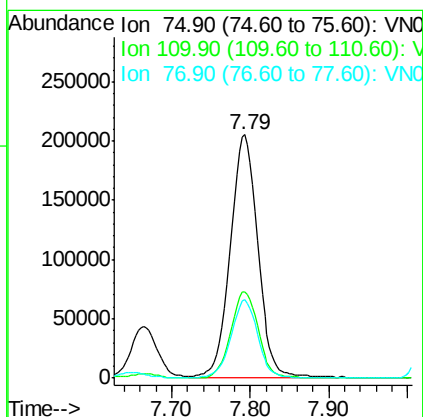
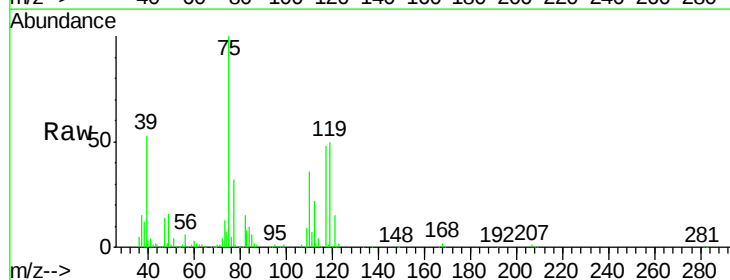
Manual Integrations
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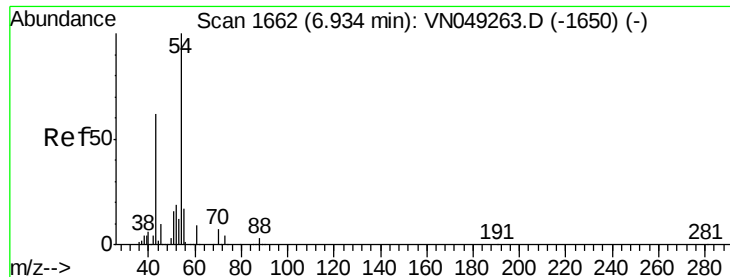
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.58 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	497152		
110	35.3	17.0	50.9	
77	31.1	24.4	36.6	





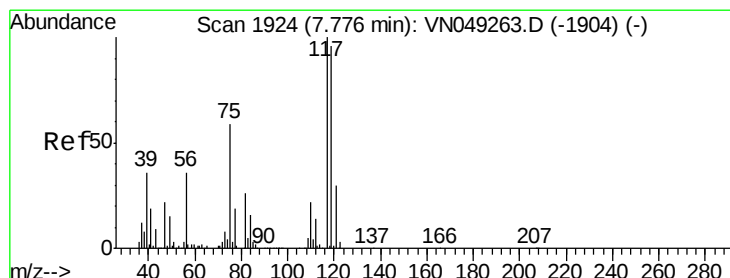
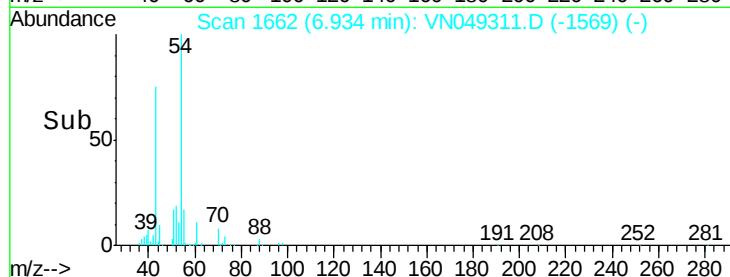
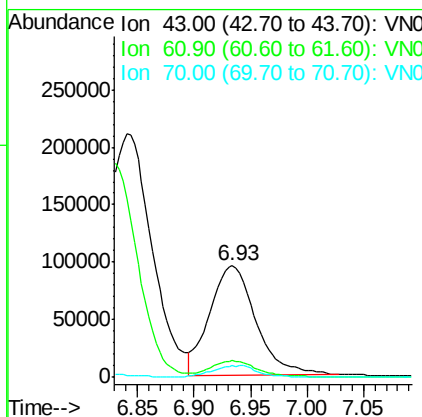
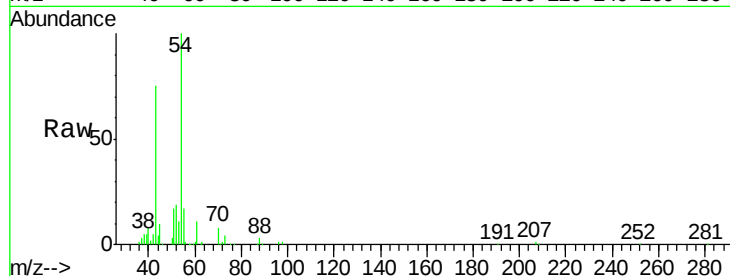
#37
Ethyl Acetate
Concen: 19.55 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	10.8	7.2	10.8

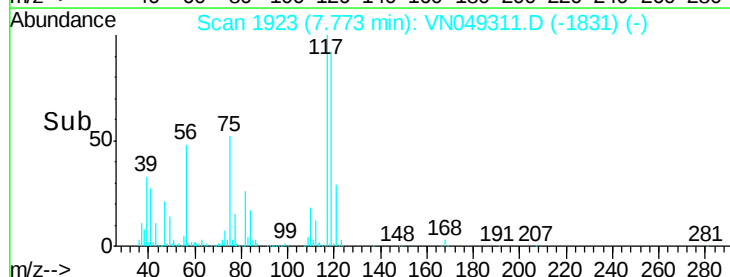
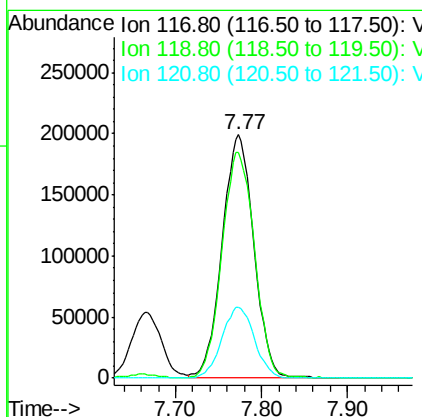
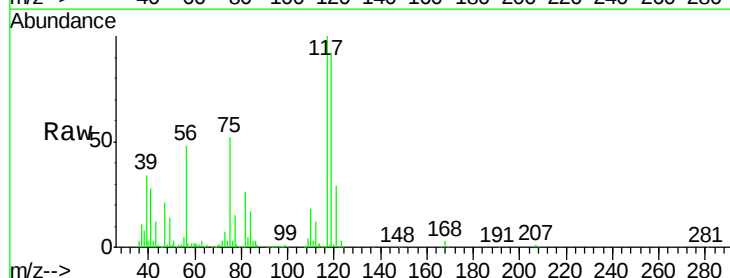
Manual Integrations
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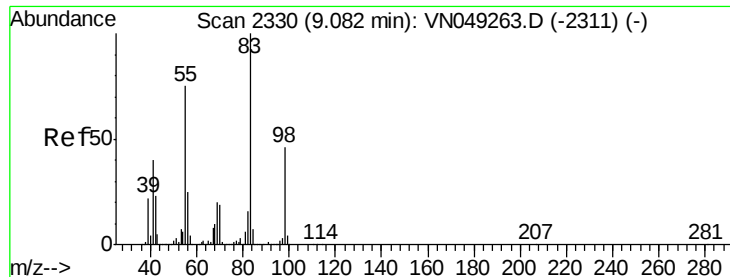
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.29 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	75.6	113.4
121	29.3	24.7	37.1





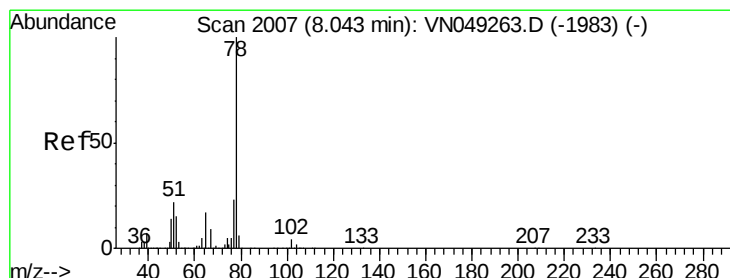
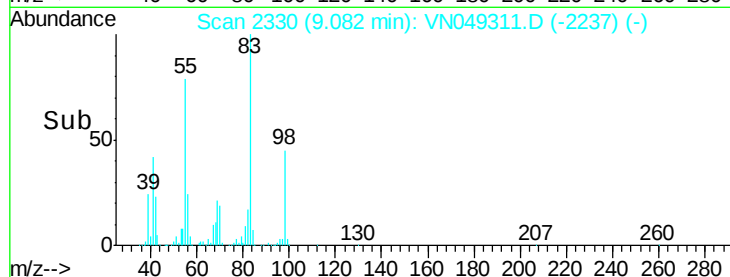
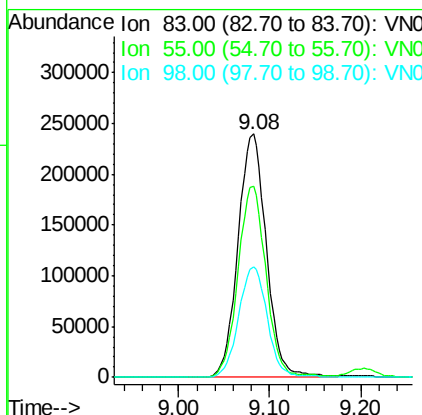
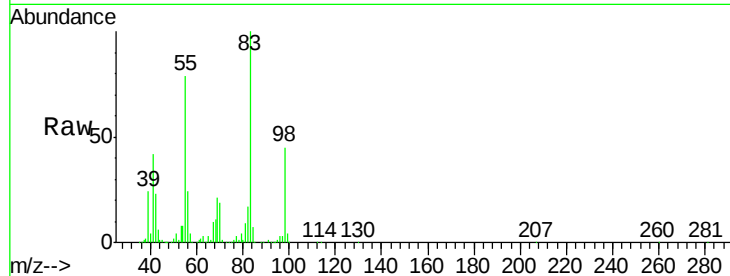
#39
Methvlcvclohexane
Concen: 19.11 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.7	65.1	97.7
98	45.2	36.5	54.7

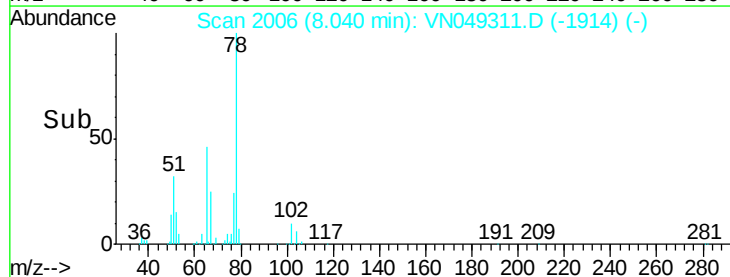
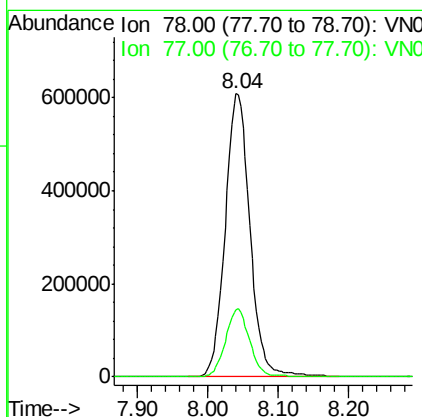
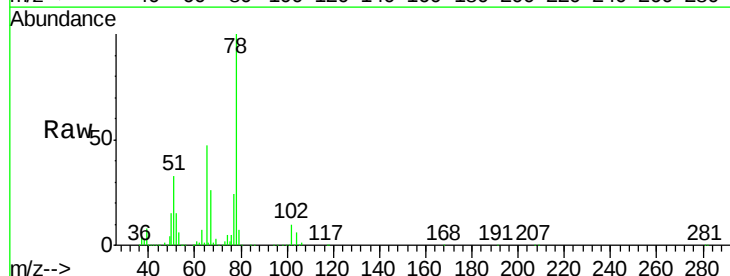
Manual Integrations
APPROVED

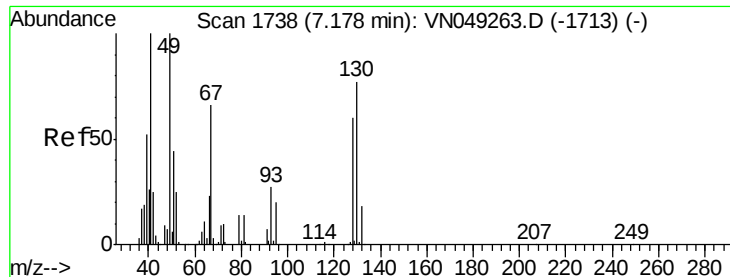
MMDadoda
6/18/2018 3:16:22 PM



#40
Benzene
Concen: 19.24 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





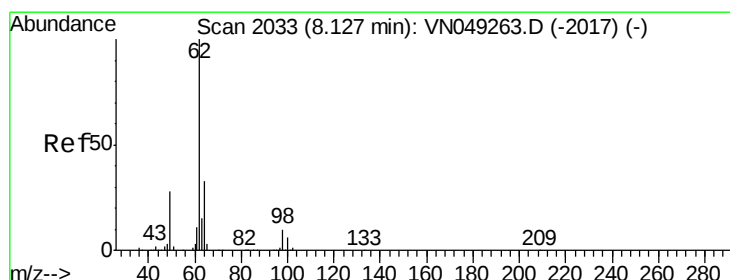
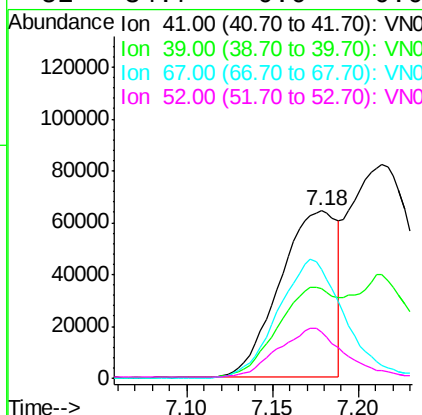
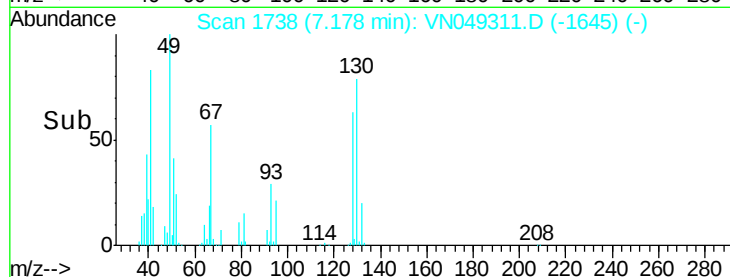
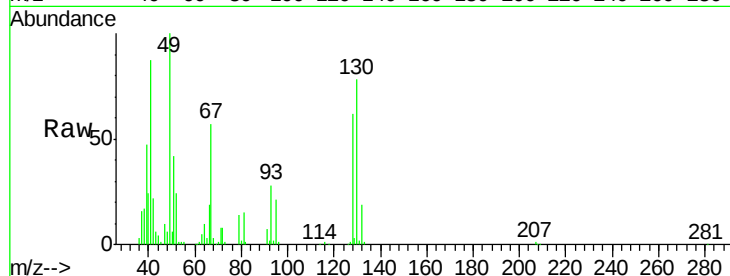
#41
Methacrylonitrile
Concen: 19.97 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	54.4	0.0	0.0#		
67	83.7	0.0	0.0#		
52	34.7	0.0	0.0#		

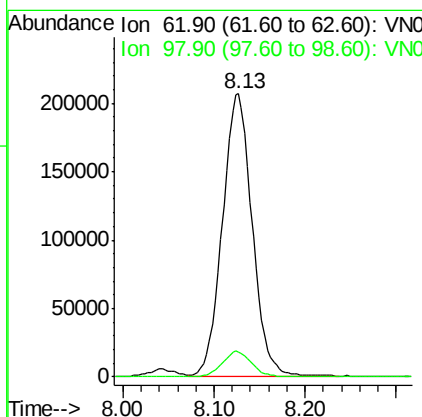
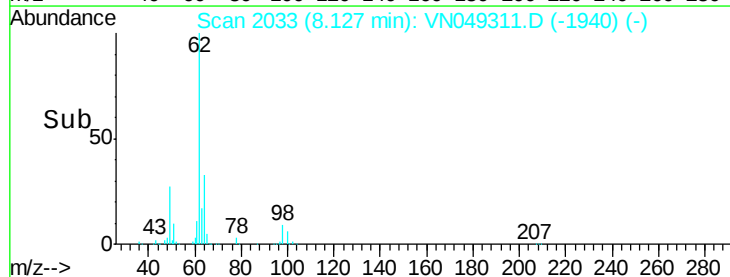
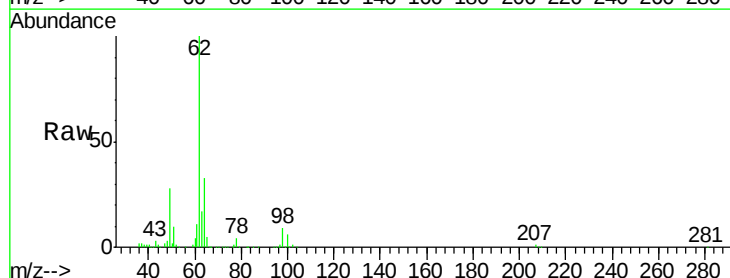
Manual Integrations
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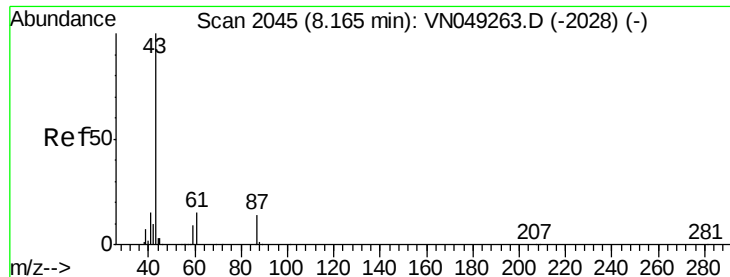
MMDadoda
6/18/2018 3:16:22 PM



#42
1,2-Dichloroethane
Concen: 19.50 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.9	0.0	16.2		





#43

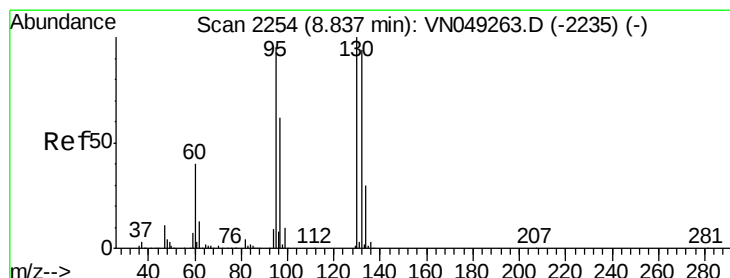
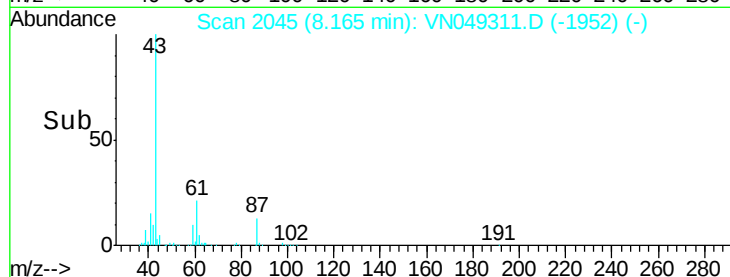
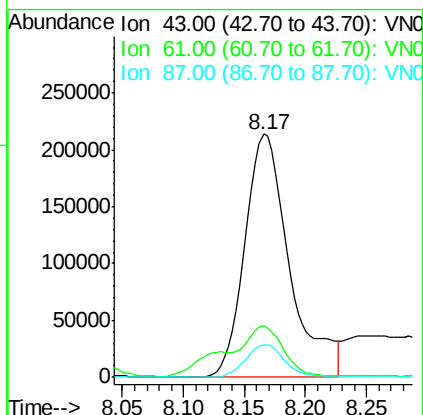
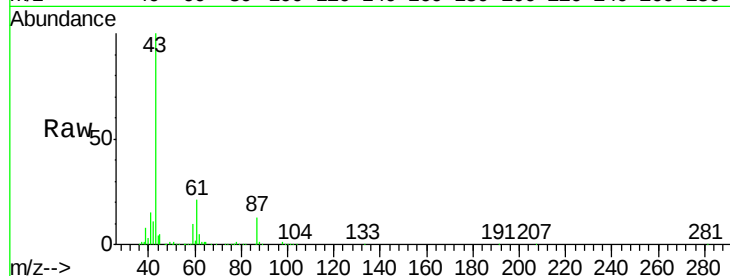
Isopropyl Acetate
 Concen: 20.55 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN049311.D
 Acq: 16 Jun 2018 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.9	14.2	21.4
87	11.8	9.4	14.0

Manual Integrations
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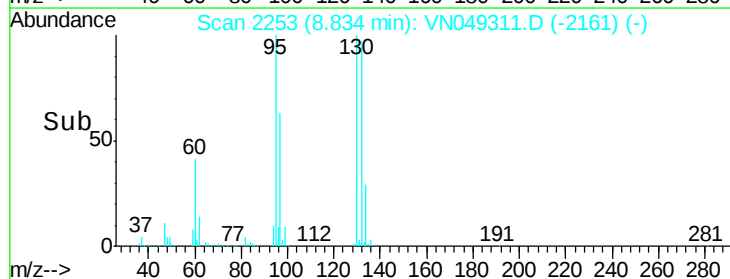
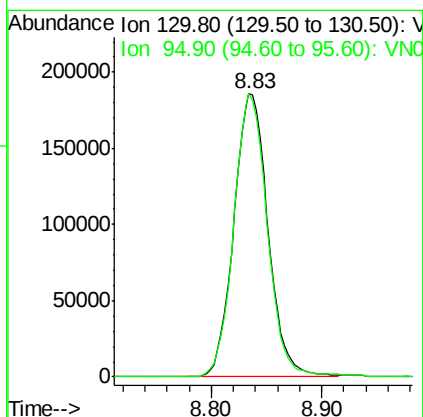
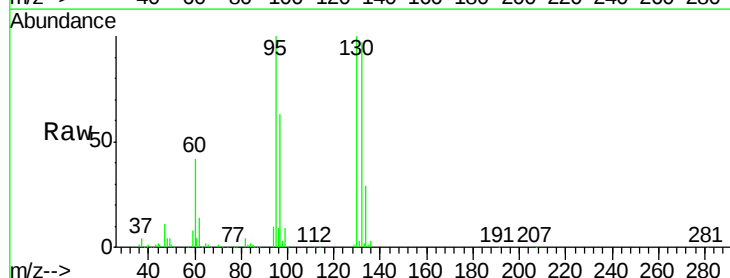
MMDadoda
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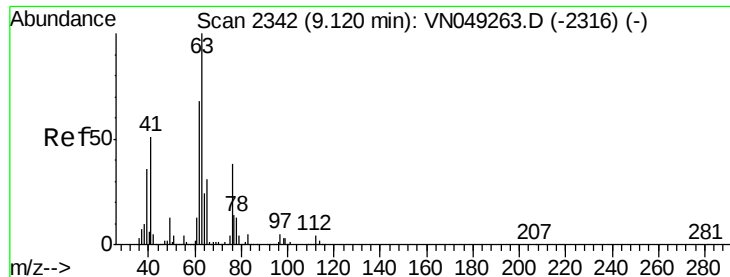


#44

Trichloroethene
 Concen: 19.39 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN049311.D
 Acq: 16 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	208.6





#45

1,2-Dichloropropane

Concen: 19.26 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS03

Tot Ion: 63 Resp: 392650

Ion Ratio Lower Upper

63 100

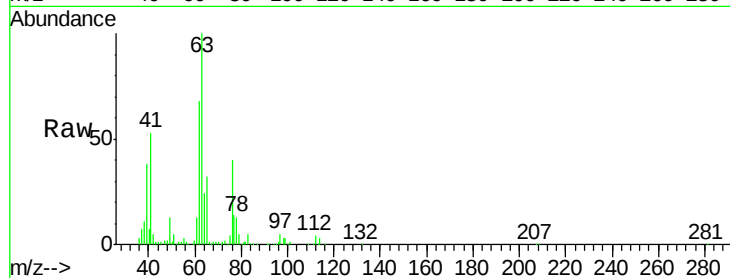
65 31.5 24.8 37.2

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

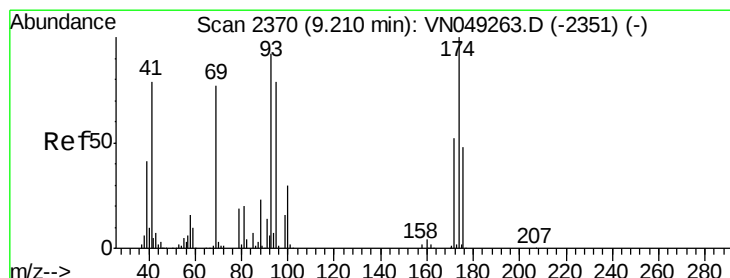
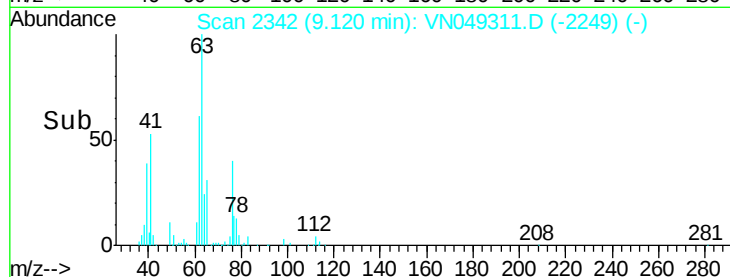
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 19.31 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

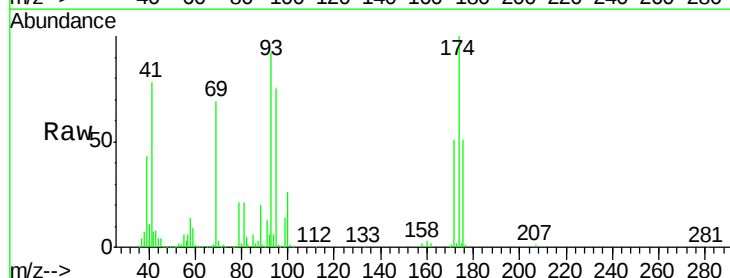
Tgt Ion: 93 Resp: 228263

Ion Ratio Lower Upper

93 100

95 82.9 67.2 100.8

174 107.1 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

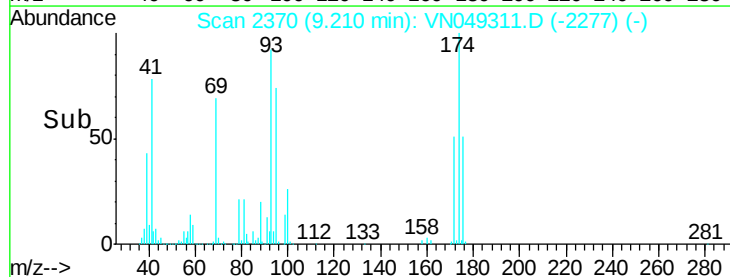
150000

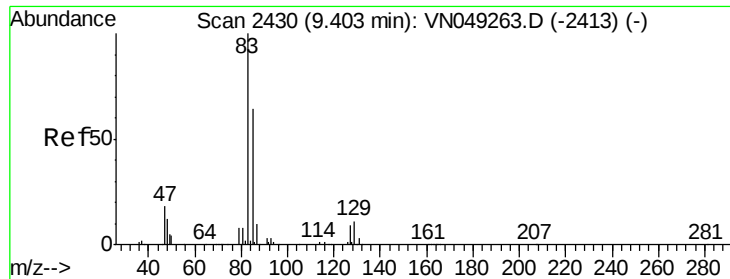
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 19.22 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

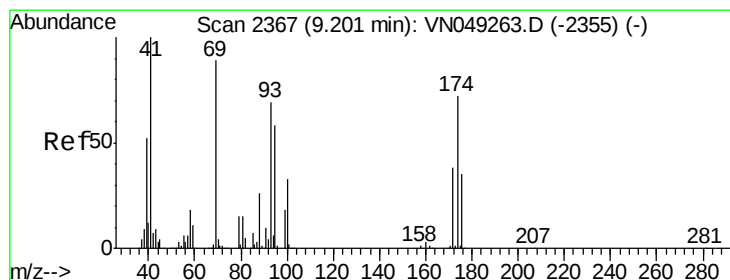
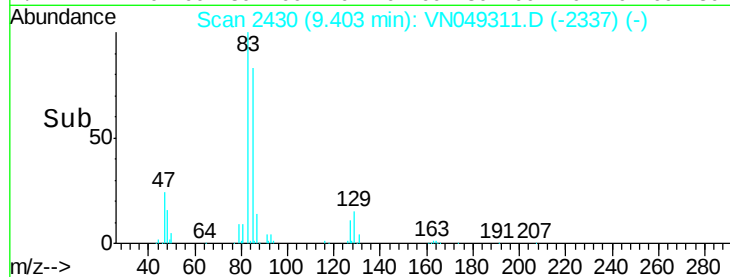
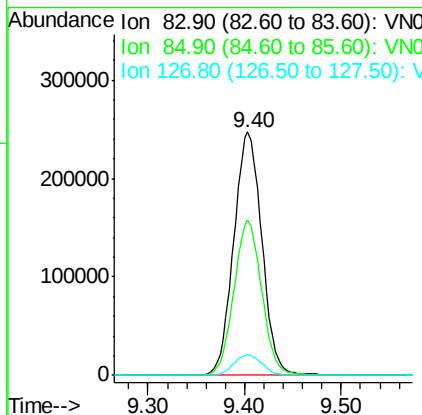
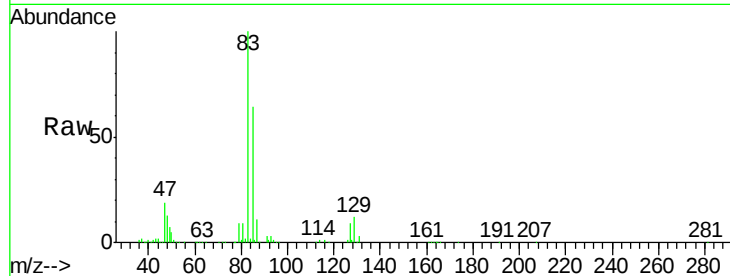
ClientSampleId :

VN0616WBS03

Tot Ion:	83	Resp:	499236
Ion Ratio	Lower	Upper	
83	100		
85	63.6	49.4	74.0
127	8.5	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.07 ug/l

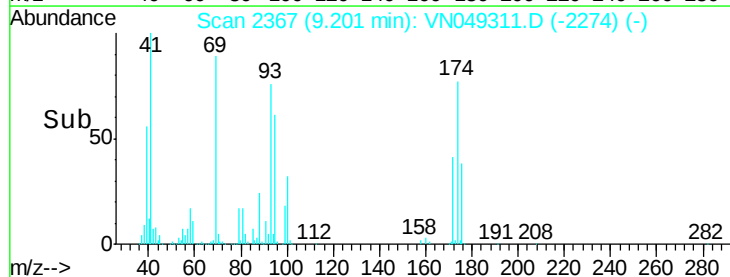
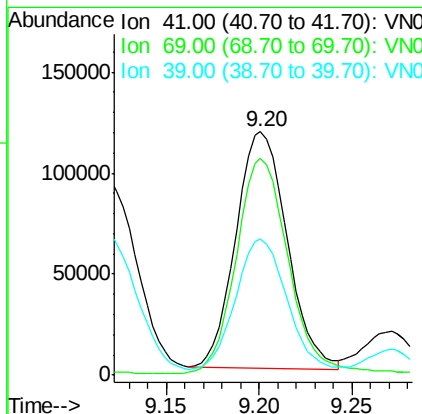
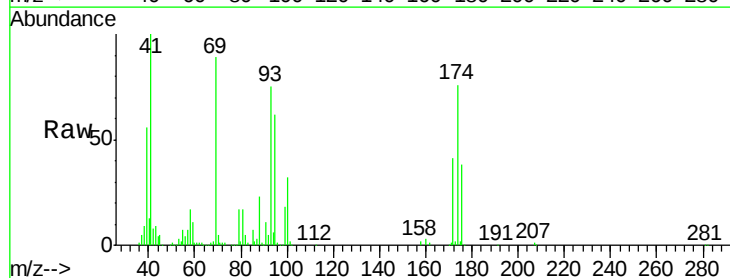
RT: 9.20 min Scan# 2367

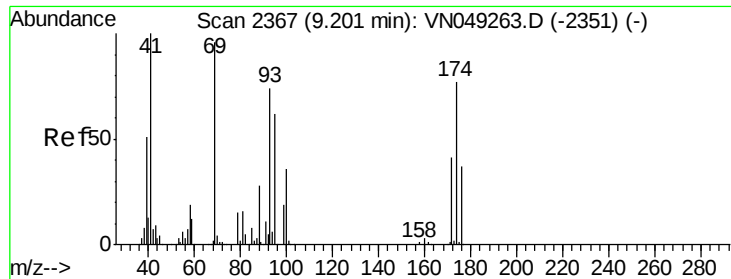
Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Tgt Ion:	41	Resp:	224409
Ion Ratio	Lower	Upper	
41	100		
69	93.7	62.0	93.0#
39	59.9	50.6	75.8





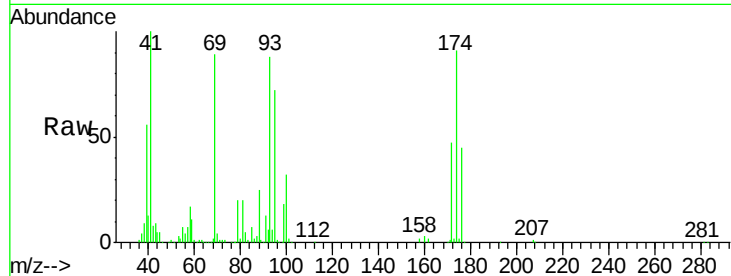
#49
1,4-Dioxane
Concen: 352.80 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	30.9	46.3
58	71.6	58.9	88.3

Manual Integrations
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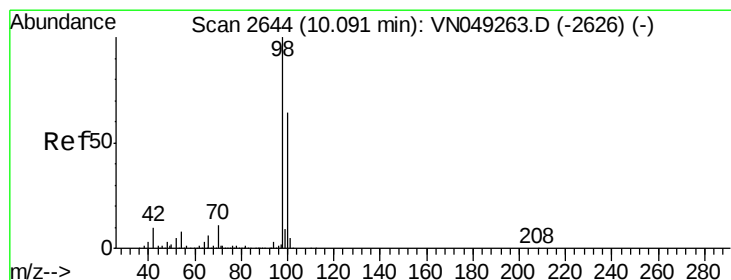
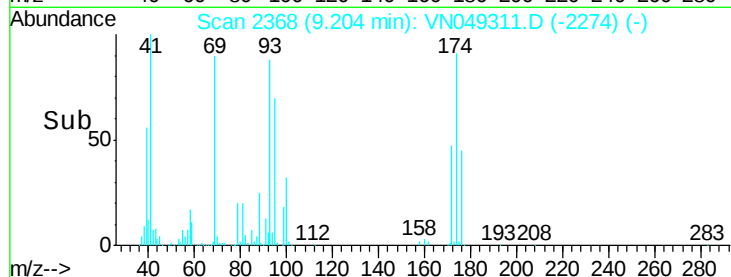
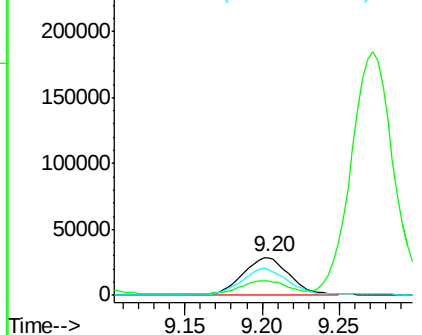


Abundance

Ion 88.00 (87.70 to 88.70): VN0

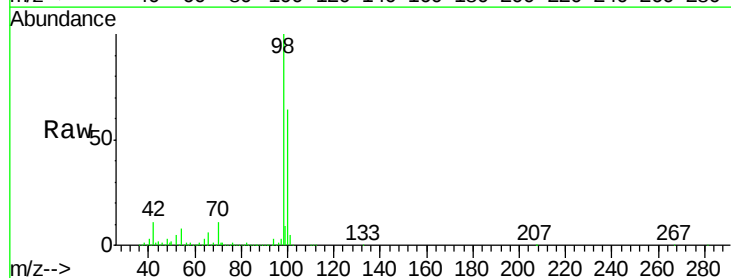
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 47.60 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

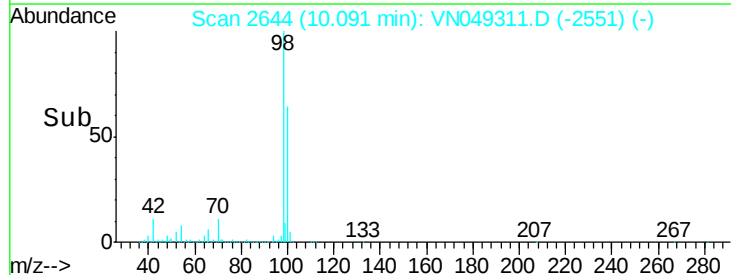
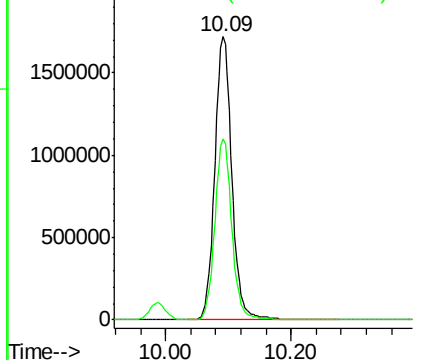
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	49.8	74.8



Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





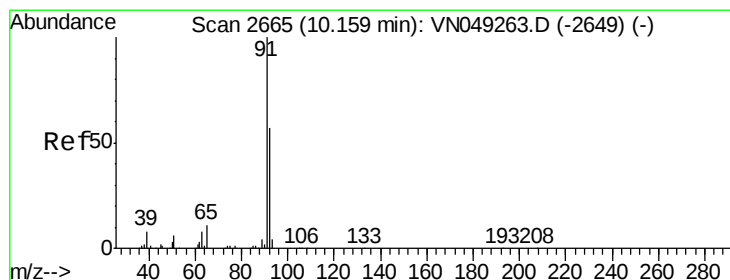
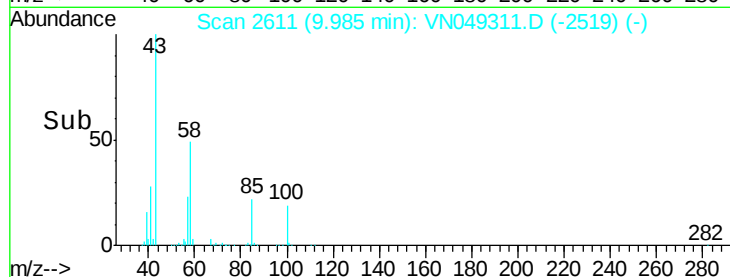
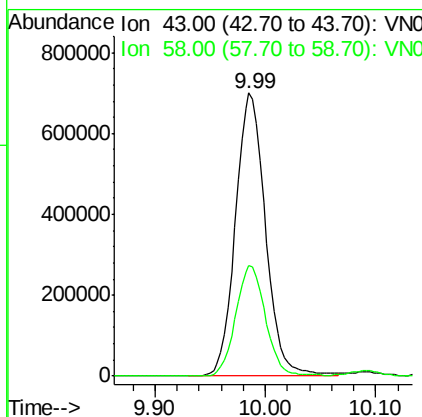
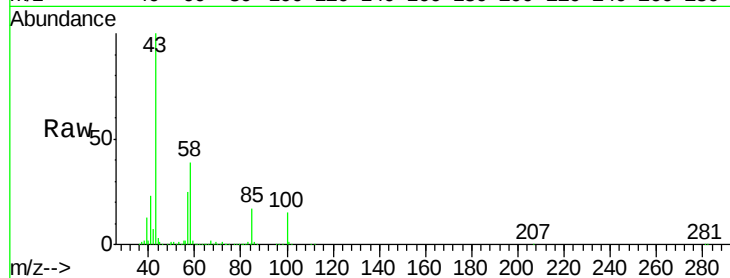
#51
4-Methyl-2-Pentanone
Concen: 95.39 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

Tot Ion: 43 Resp: 1318716
Ion Ratio Lower Upper
43 100
58 38.8 29.0 43.6

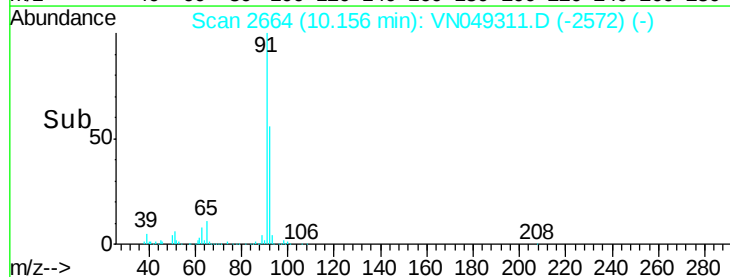
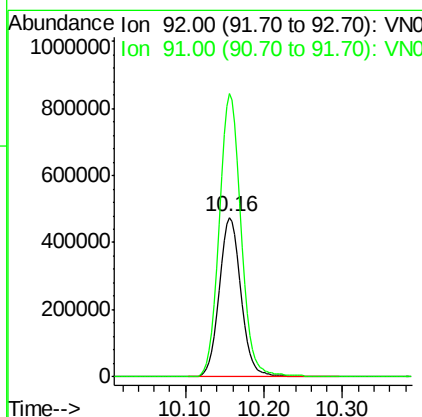
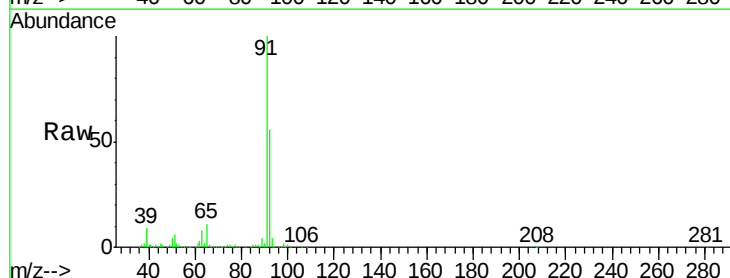
Manual Integrations
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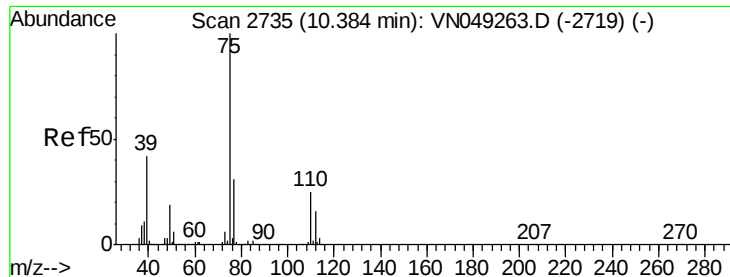
MMDadoda
6/18/2018 3:16:22 PM



#52
Toluene
Concen: 19.80 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion: 92 Resp: 904879
Ion Ratio Lower Upper
92 100
91 177.9 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 18.75 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS03

Tot Ion: 75 Resp: 465903

Ion Ratio Lower Upper

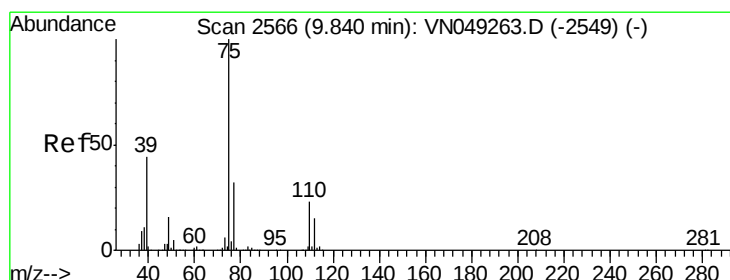
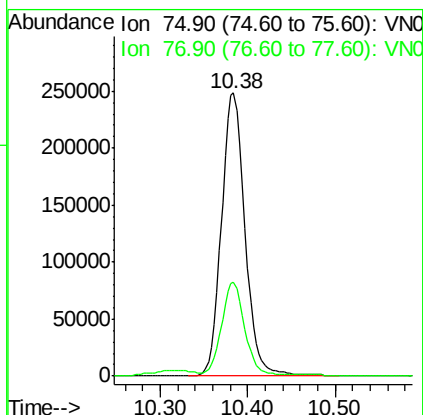
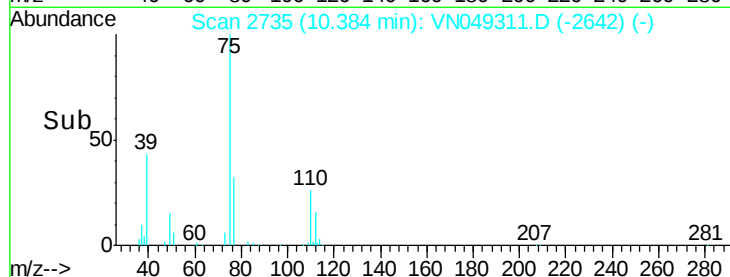
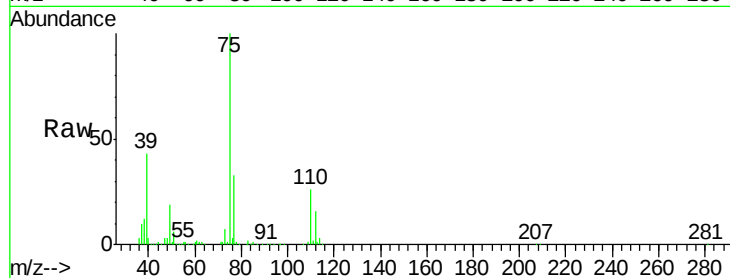
75 100

77 32.7 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.16 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

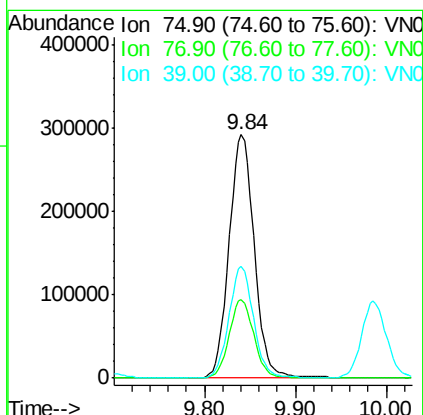
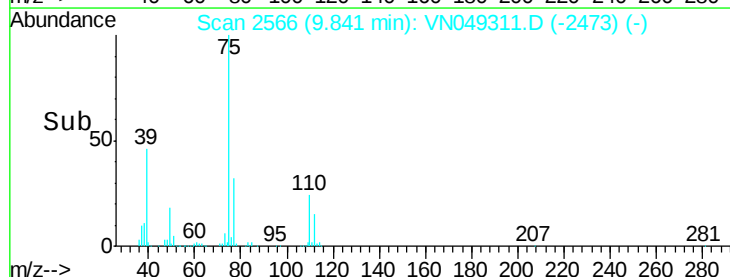
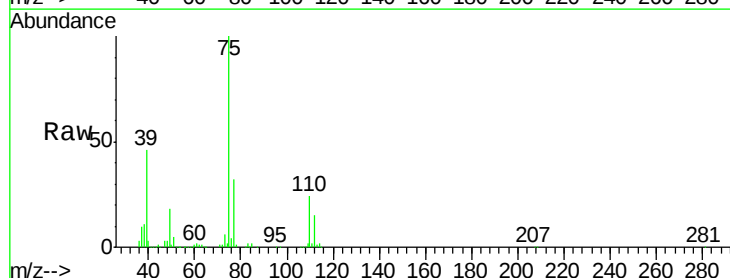
Tgt Ion: 75 Resp: 562157

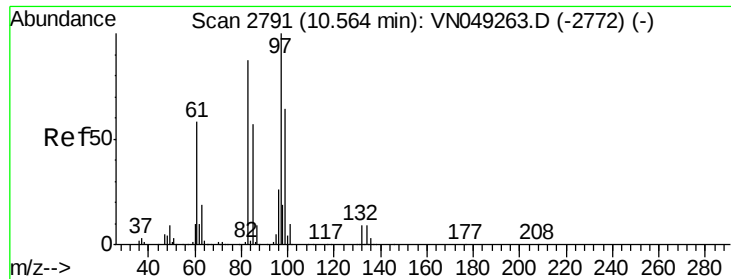
Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

39 45.9 45.1 67.7





#55

1,1,2-Trichloroethane

Concen: 18.91 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

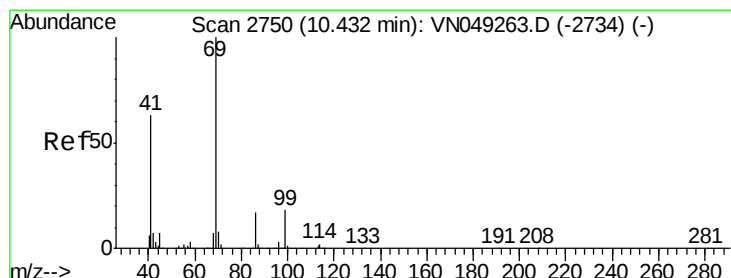
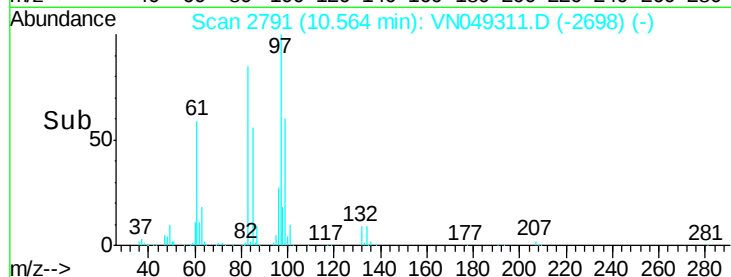
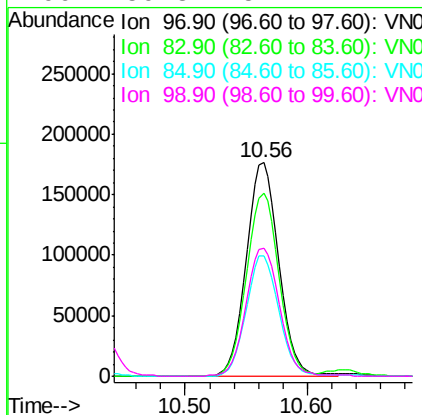
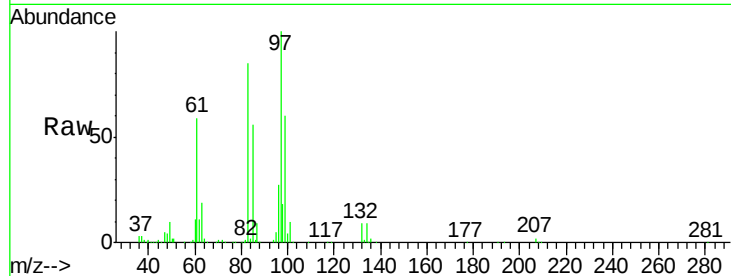
ClientSampleId :

VN0616WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		322091		
83	85.4	71.5	107.3		
85	56.1	47.0	70.4		
99	59.8	51.4	77.2		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.51 ug/l

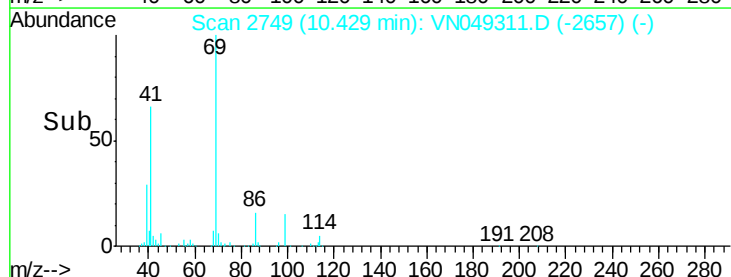
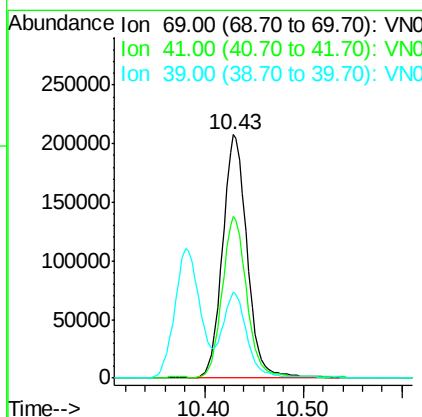
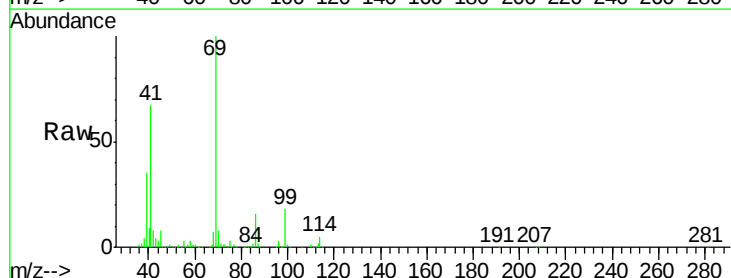
RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		363716		
41	65.7	58.4	87.6		
39	32.7	35.5	53.3#		





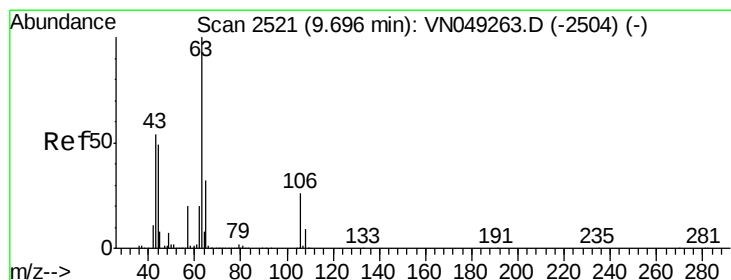
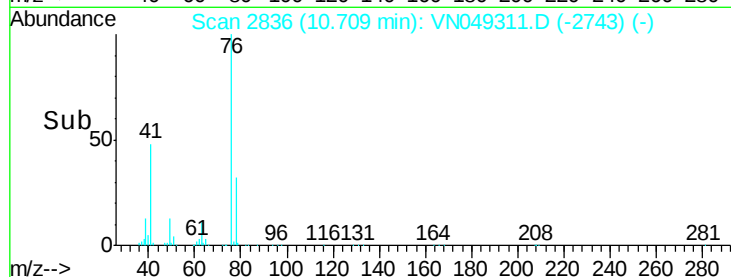
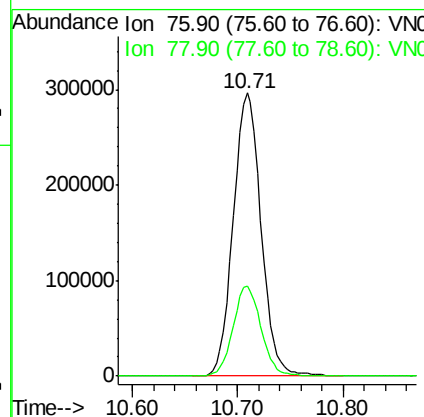
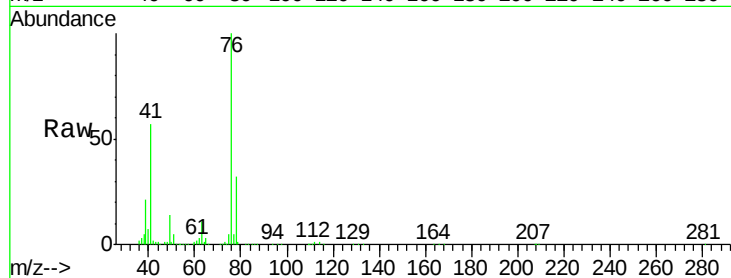
#57
 1,3-Dichloropropane
 Concen: 19.16 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049311.D
 Acq: 16 Jun 2018 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.3	39.5

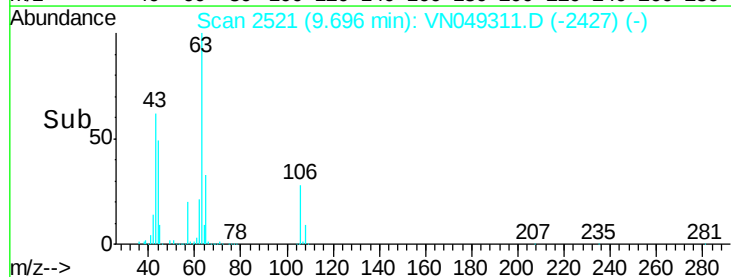
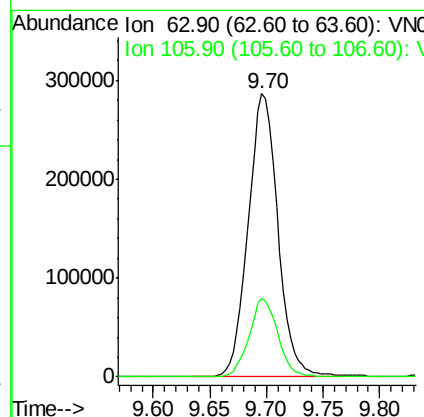
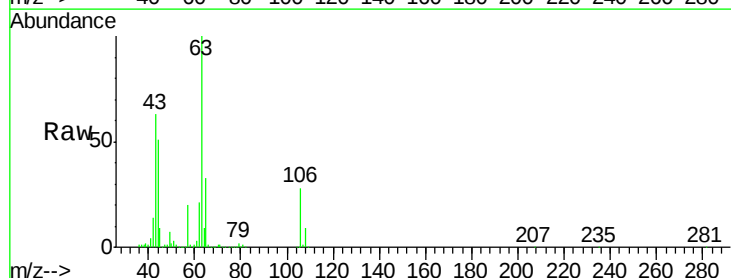
Manual Integrations
 APPROVED

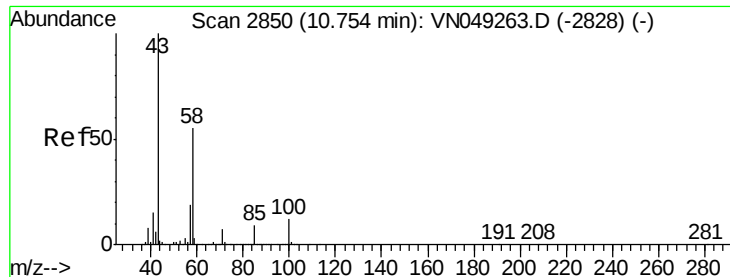
MMDadoda
 6/18/2018 3:16:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.93 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049311.D
 Acq: 16 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	19.4	29.2





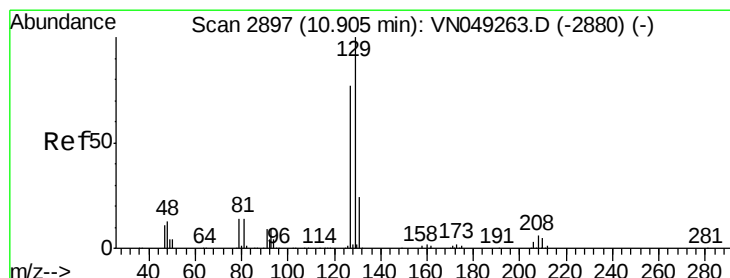
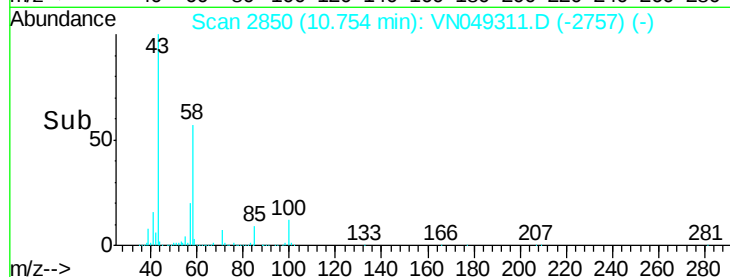
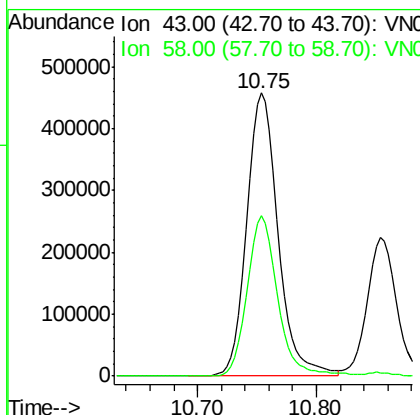
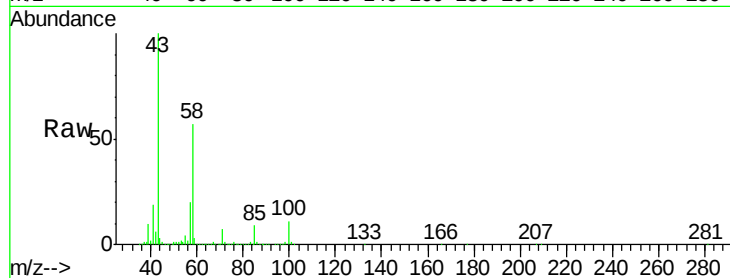
#59
2-Hexanone
Concen: 93.43 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	25.2	75.6

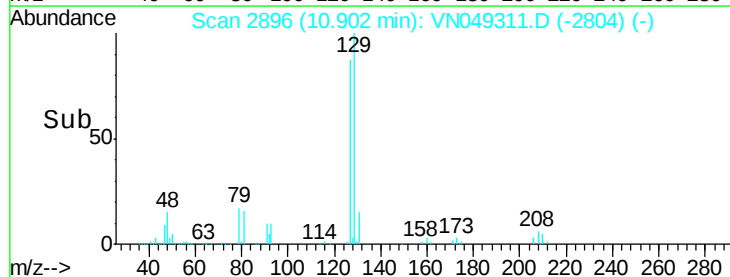
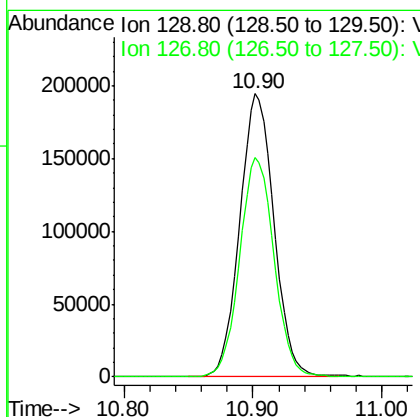
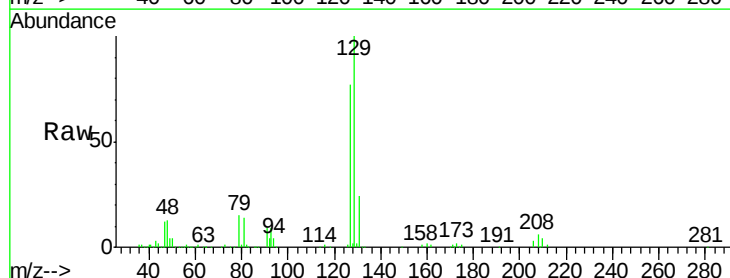
Manual Integrations
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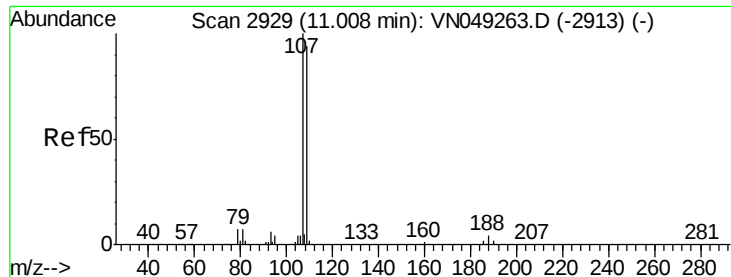
MMDadoda
6/18/2018 3:16:22 PM



#60
Dibromochloromethane
Concen: 18.88 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.1	117.2





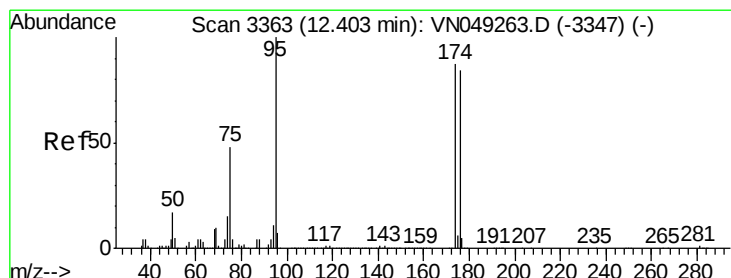
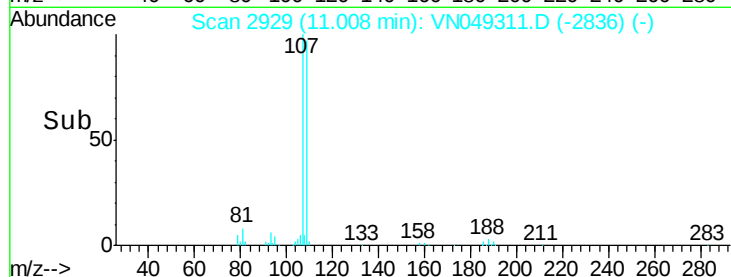
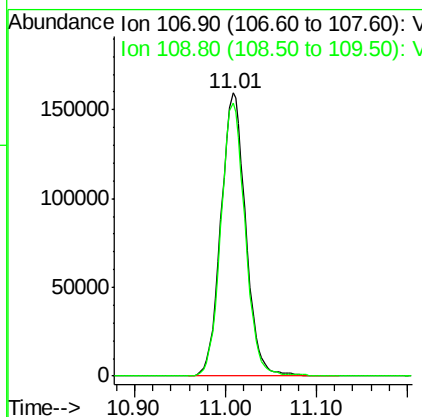
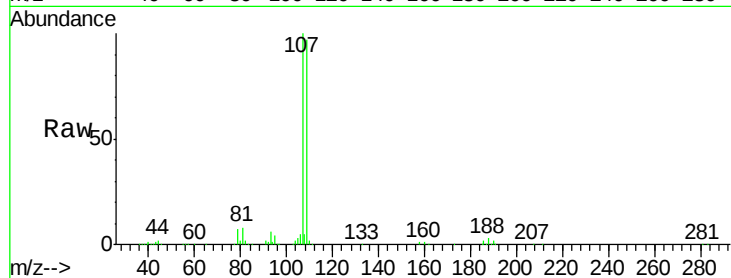
#61
 1,2-Dibromoethane
 Concen: 19.03 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049311.D
 Acq: 16 Jun 2018 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS03

Tot Ion	Ratio	Resp	Lower	Upper
107	100	301308		
109	94.4	75.4	113.2	

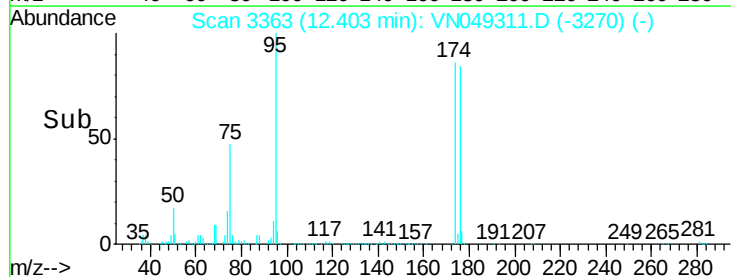
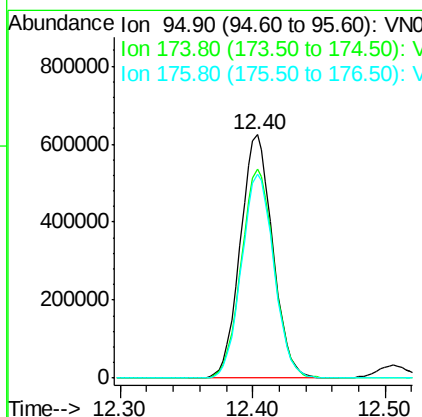
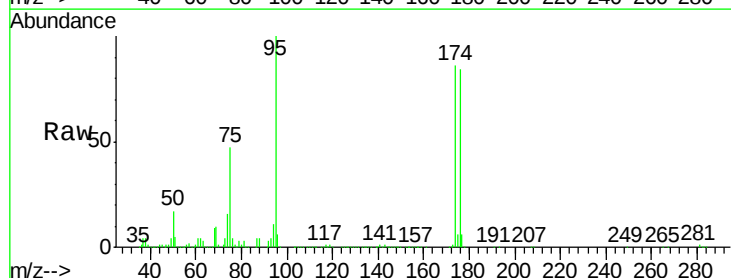
Manual Integrations
 APPROVED

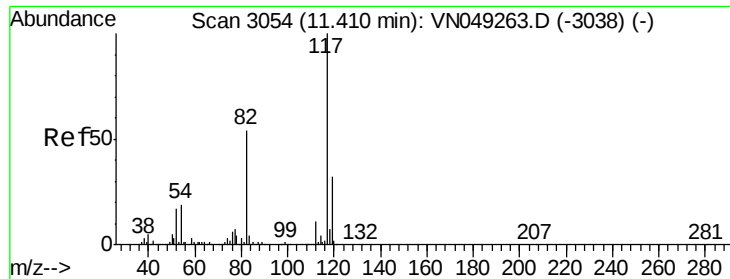
MMDadoda
 6/18/2018 3:16:22 PM



#62
 4-Bromofluorobenzene
 Concen: 46.79 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049311.D
 Acq: 16 Jun 2018 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	1055958		
174	87.2	0.0	165.6	
176	84.1	0.0	157.4	





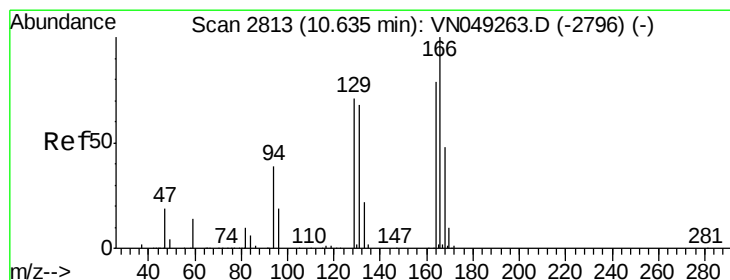
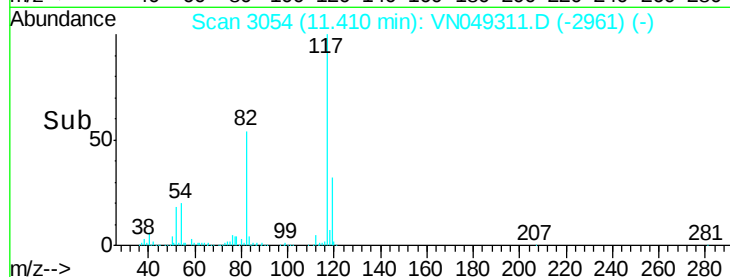
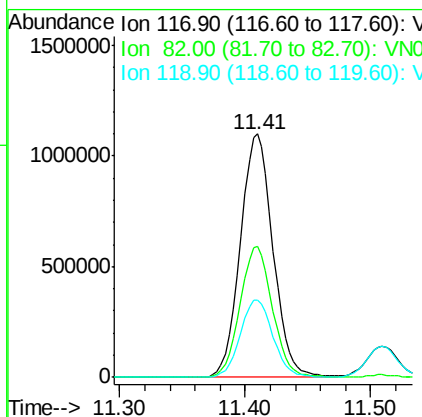
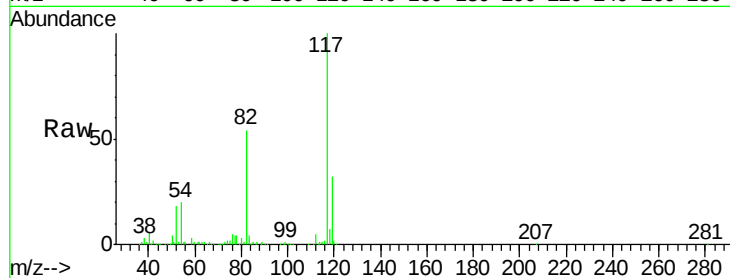
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampled :
VN0616WBS03

Tot Ion:117 Resp: 1988173
Ion Ratio Lower Upper
117 100
82 53.5 45.9 68.9
119 31.8 25.5 38.3

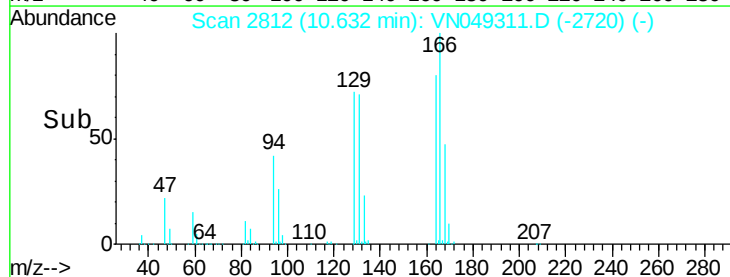
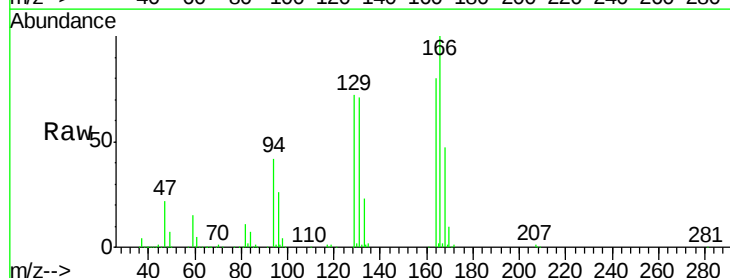
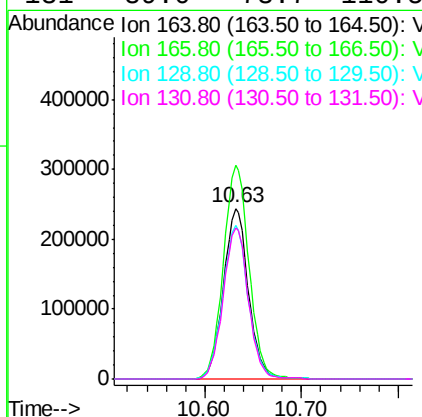
Manual Integrations
APPROVED

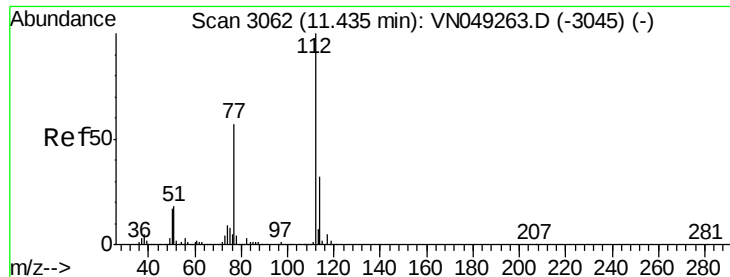
MMDadoda
6/18/2018 3:16:22 PM



#64
Tetrachloroethene
Concen: 21.43 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion:164 Resp: 436603
Ion Ratio Lower Upper
164 100
166 125.4 101.4 152.2
129 90.4 74.1 111.1
131 89.0 73.7 110.5





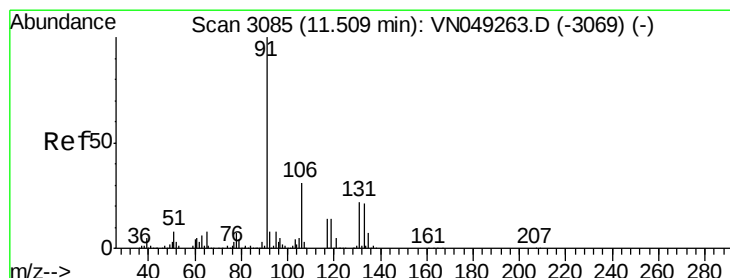
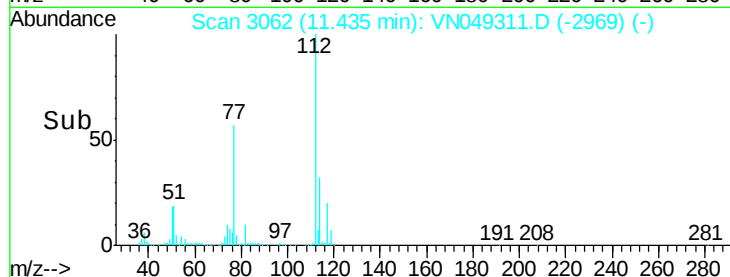
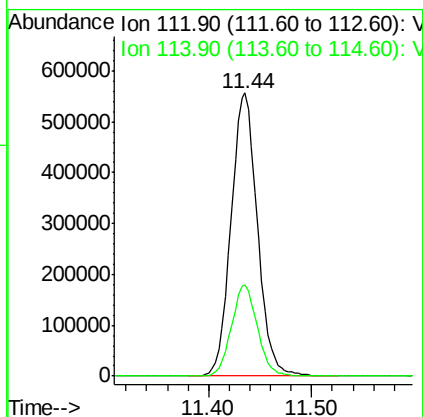
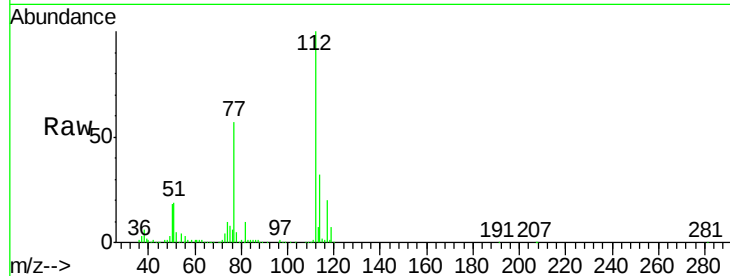
#65
Chlorobenzene
Concen: 19.34 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

Tot Ion:112 Resp: 990624
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.4

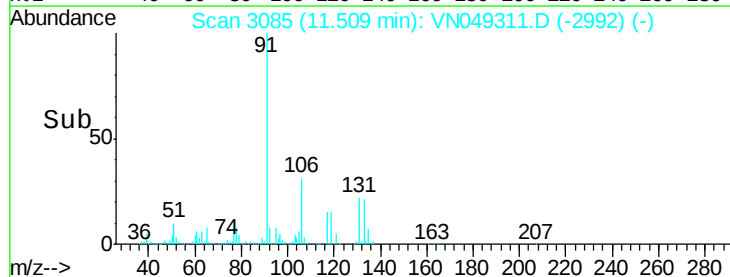
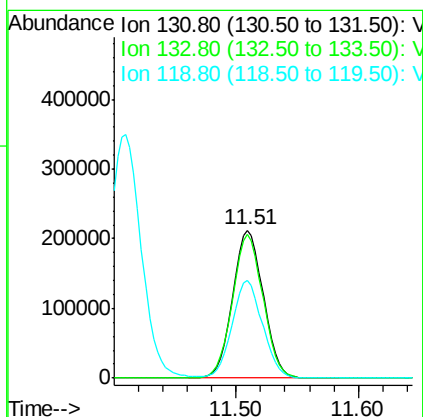
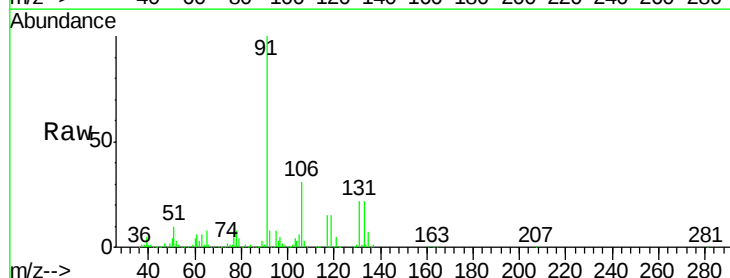
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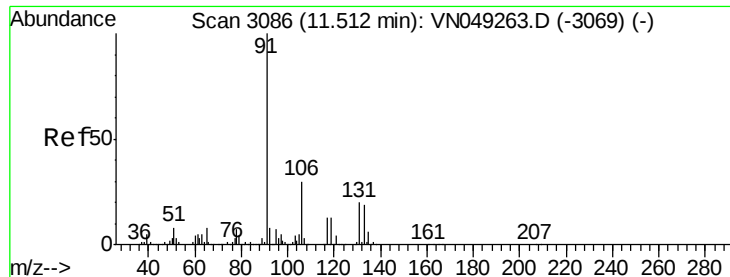
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.21 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion:131 Resp: 370303
Ion Ratio Lower Upper
131 100
133 96.7 48.0 144.2
119 65.7 33.6 100.8





#67

Ethyl Benzene

Concen: 19.46 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS03

Tot Ion: 91 Resp: 1653604

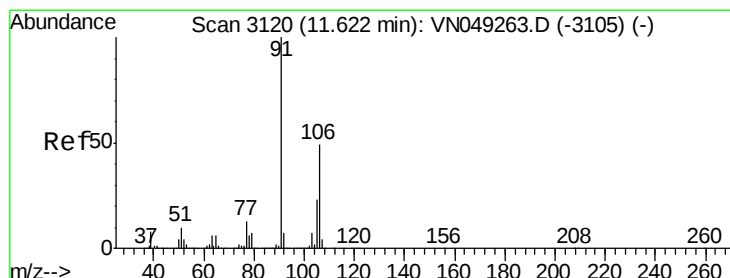
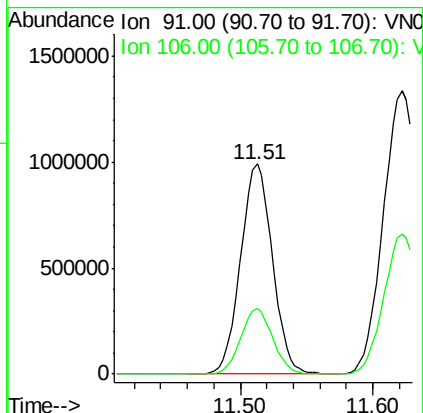
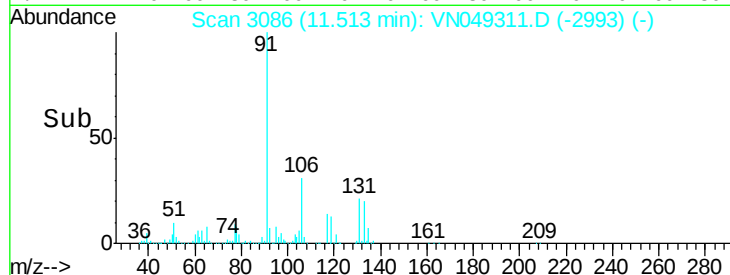
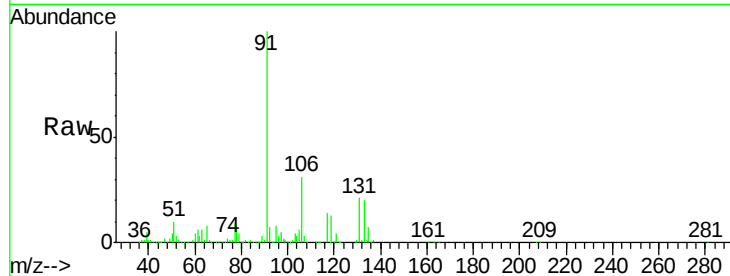
Ion Ratio Lower Upper

91 100

106 31.2 23.9 35.9

Manual Integrations
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6/18/2018 3:16:22 PM



#68

m/p-Xylenes

Concen: 40.29 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049311.D

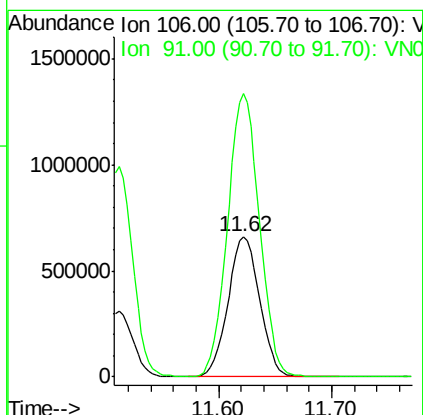
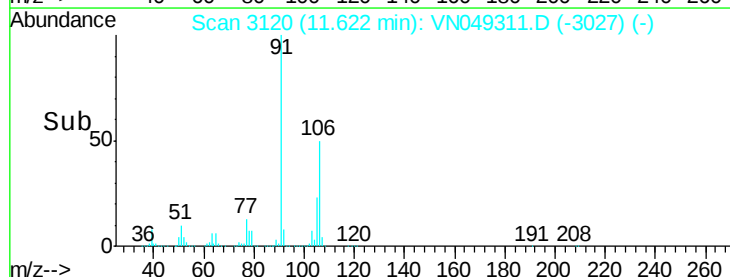
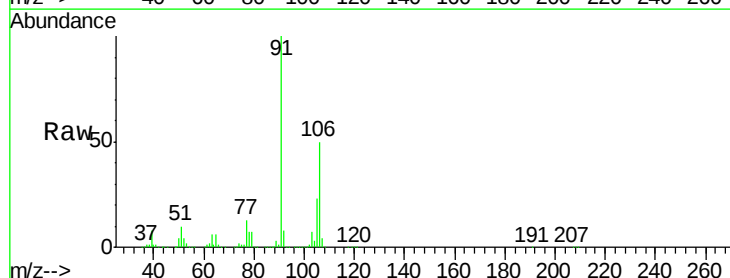
Acq: 16 Jun 2018 15:55

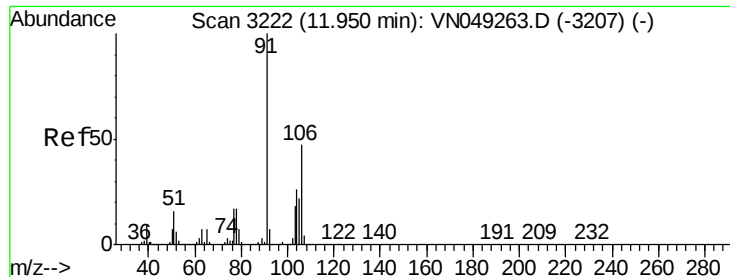
Tgt Ion: 106 Resp: 1284369

Ion Ratio Lower Upper

106 100

91 203.2 167.3 250.9





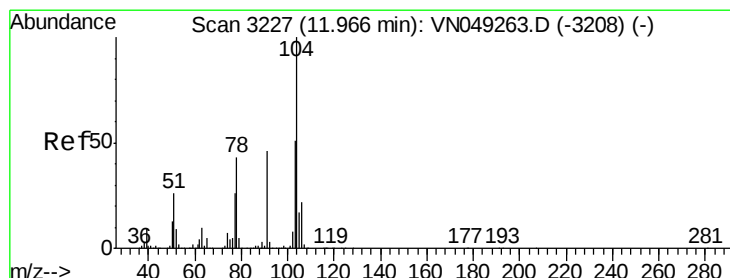
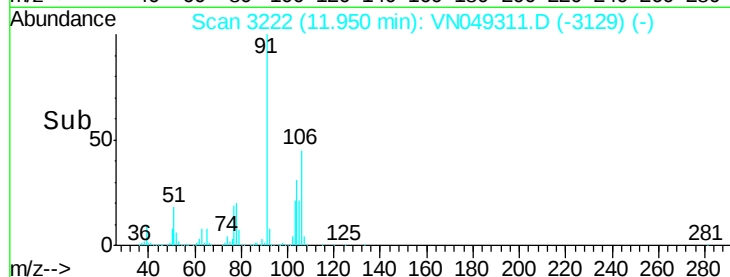
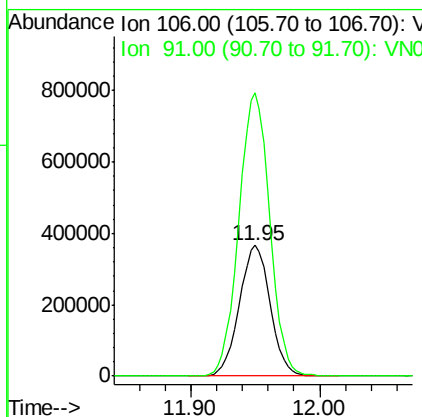
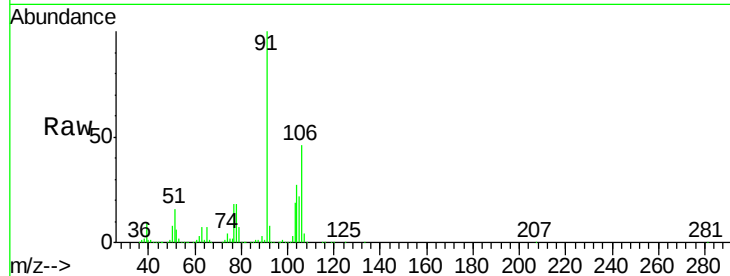
#69
o-Xylene
Concen: 19.86 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	609760		
91	91	216.8	111.0	333.0	

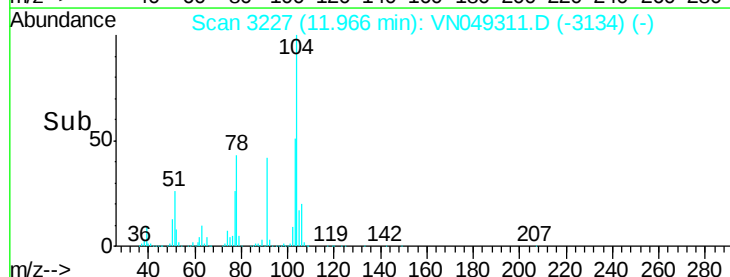
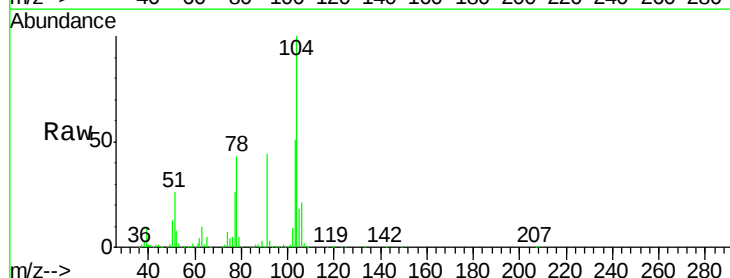
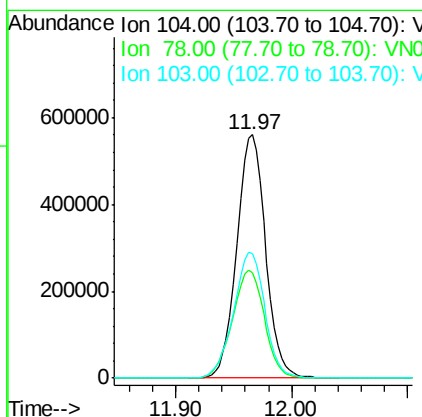
Manual Integrations
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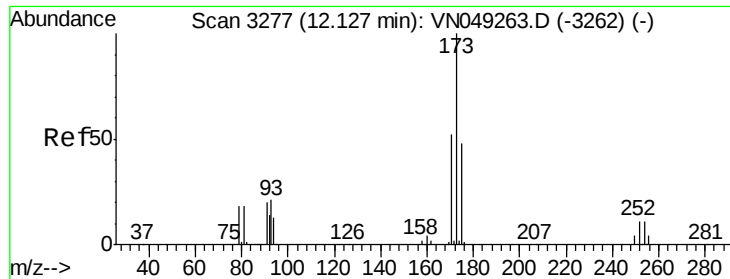
MMDadoda
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#70
Styrene
Concen: 19.92 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	965119		
78	78	49.5	41.6	62.4	
103	103	56.1	45.4	68.2	





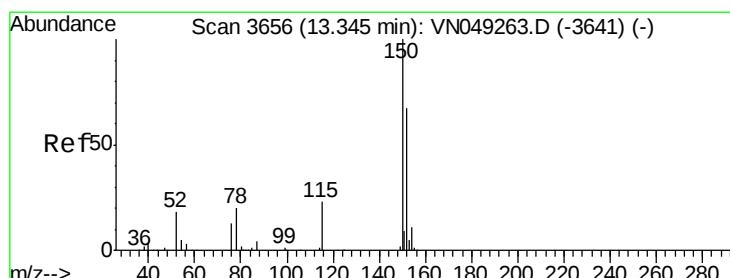
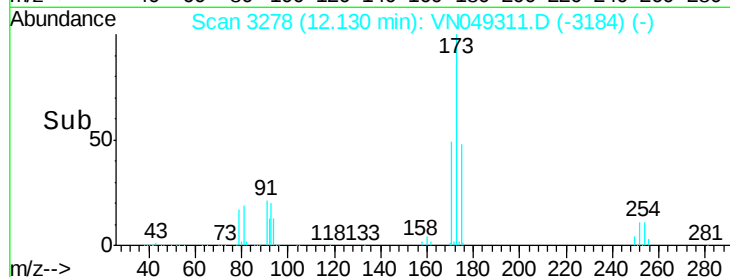
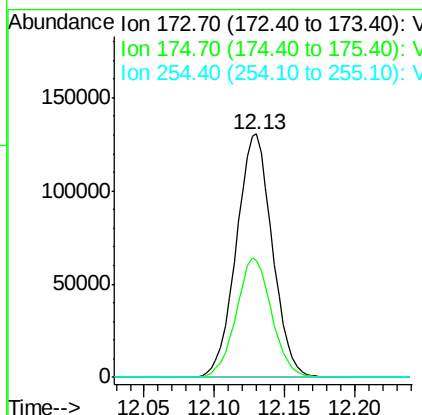
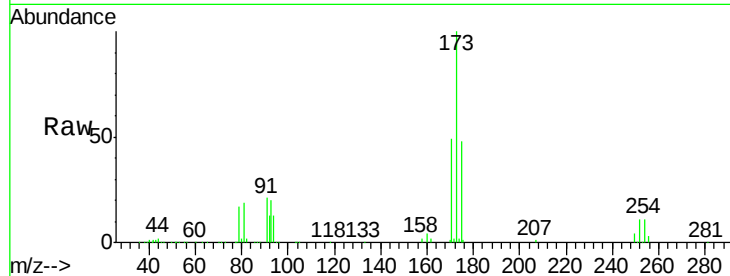
#71
Bromoform
Concen: 18.65 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.5	73.5
254	0.0	0.1	0.1#

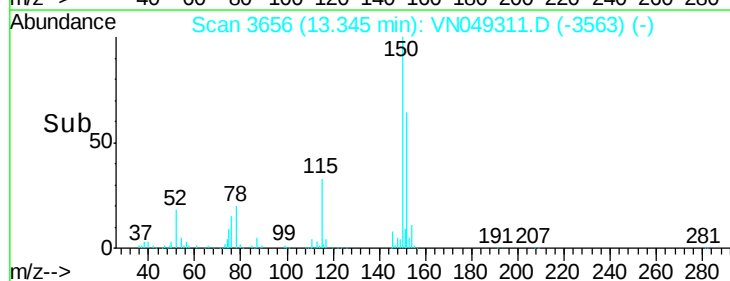
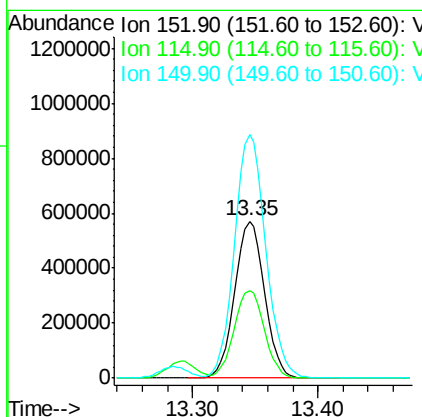
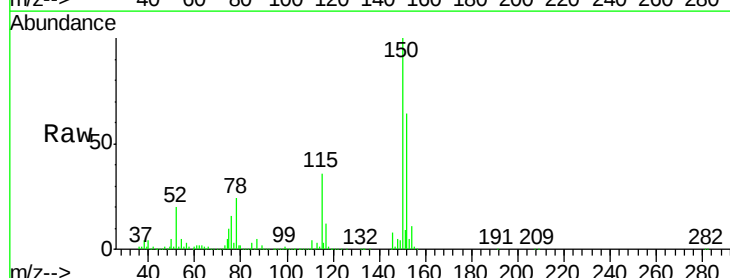
Manual Integrations
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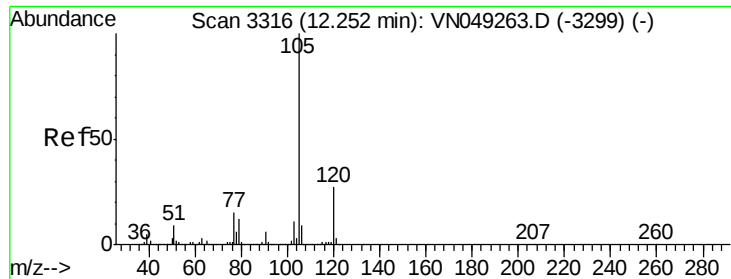
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.7	86.1
150	163.4	0.0	351.0





#73

Isopropylbenzene

Concen: 19.95 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS03

Tot Ion:105 Resp: 1643792

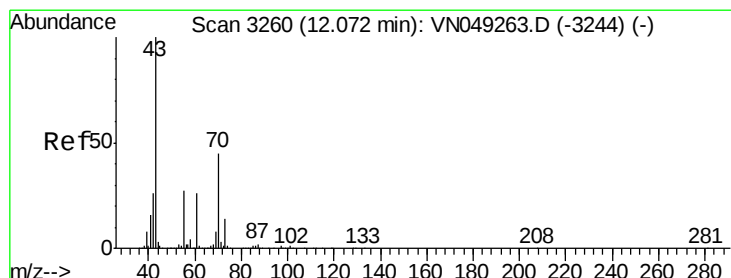
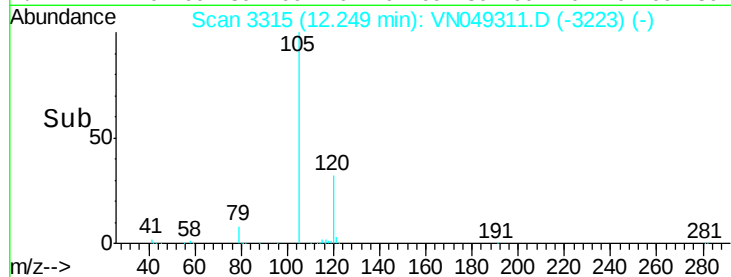
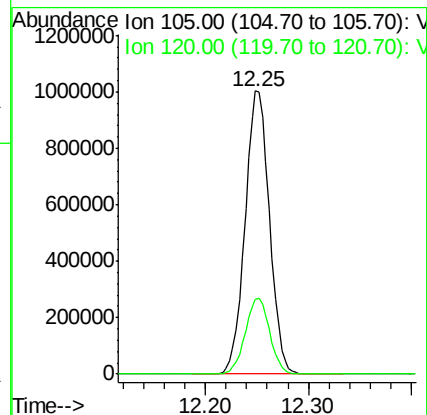
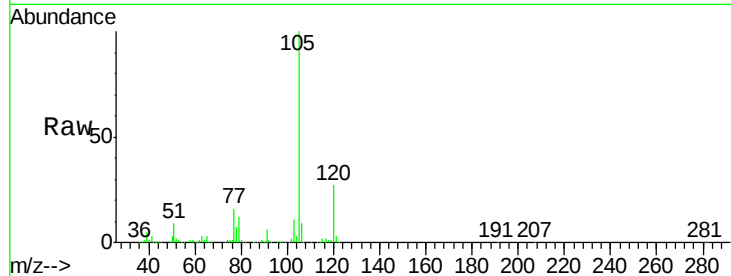
Ion Ratio Lower Upper

105 100

120 26.9 12.8 38.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 17.73 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Tgt Ion: 43 Resp: 357636

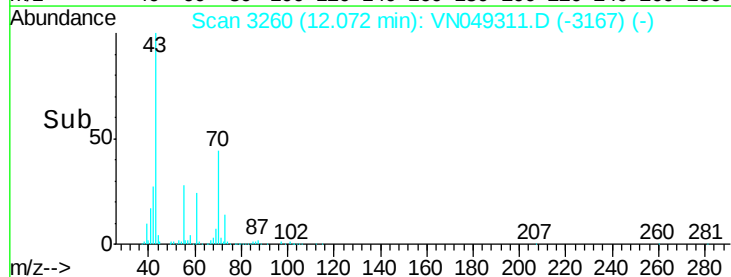
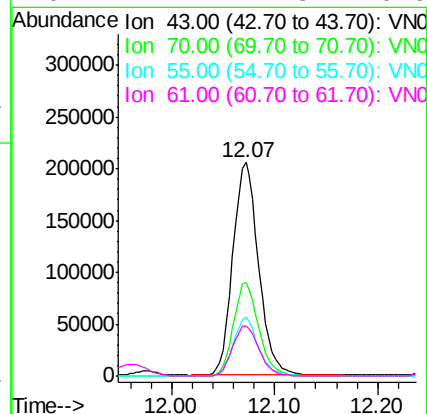
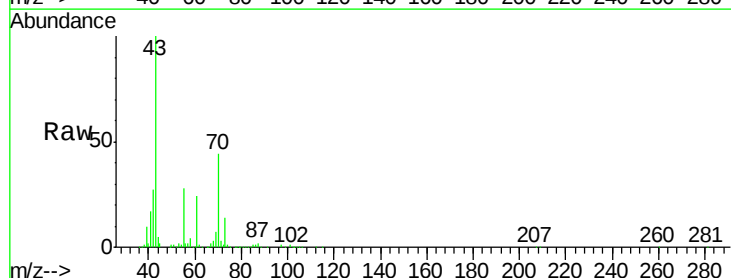
Ion Ratio Lower Upper

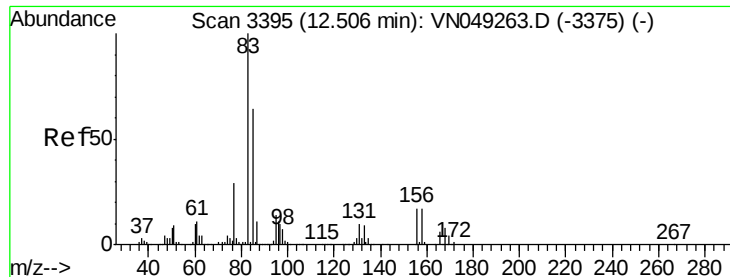
43 100

70 43.0 30.3 45.5

55 26.6 19.4 29.2

61 24.4 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.66 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

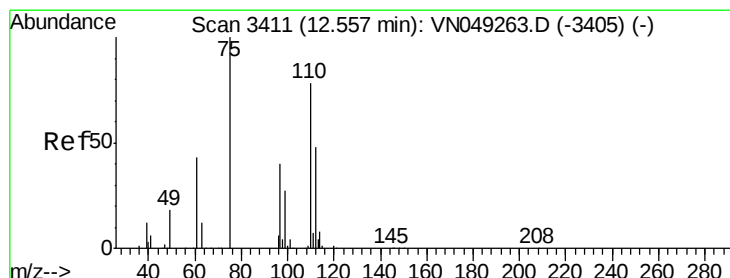
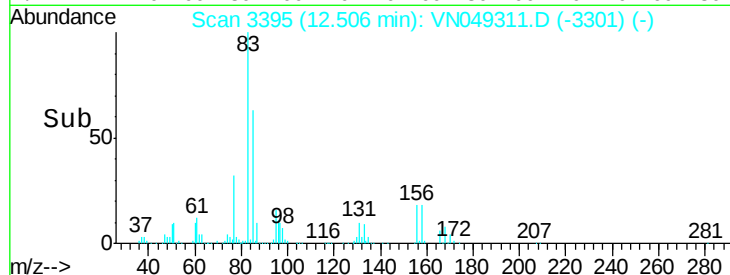
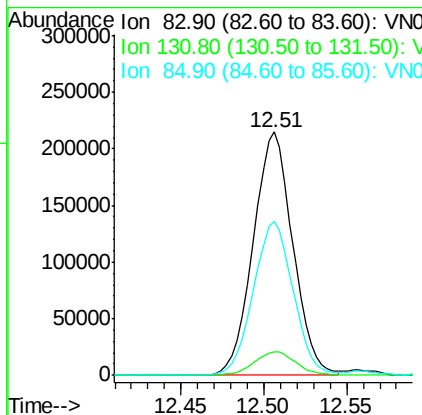
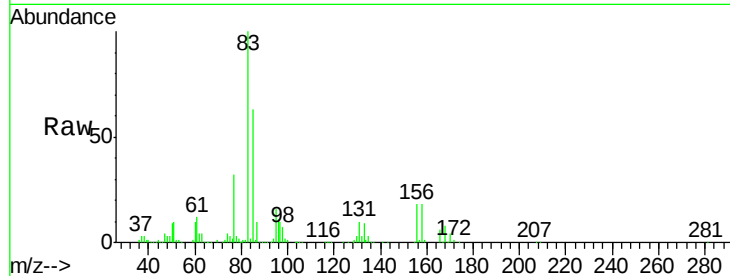
ClientSampleId :

VN0616WBS03

Tot Ion:	83	Resp:	356212
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	63.5	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.96 ug/l m

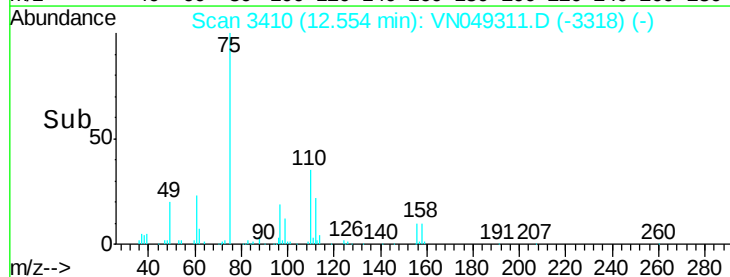
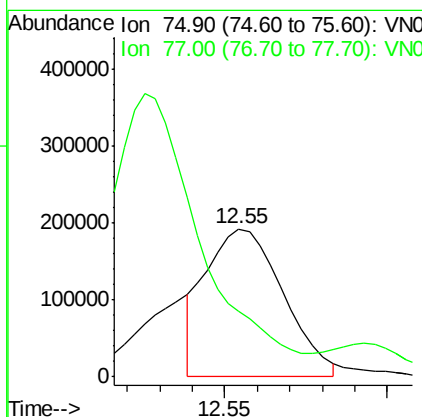
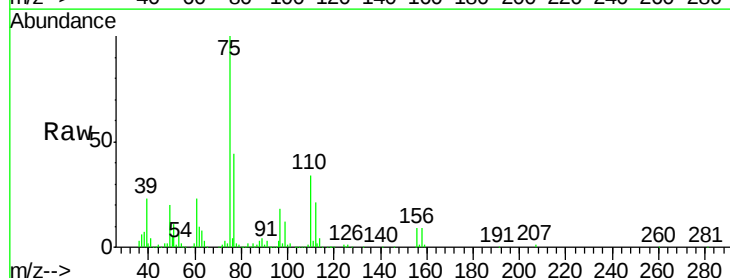
RT: 12.55 min Scan# 3410

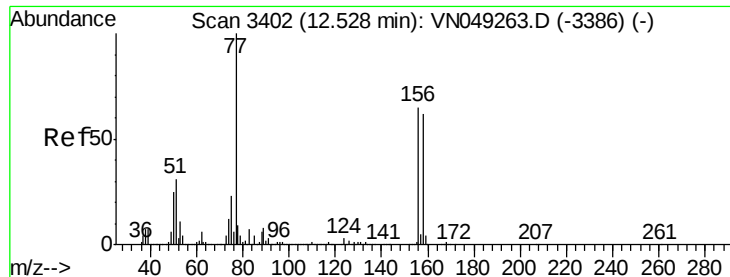
Delta R.T. -0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Tgt Ion:	75	Resp:	319446
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.49 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS03

Tot Ion:156 Resp: 402253

Ion Ratio Lower Upper

156 100

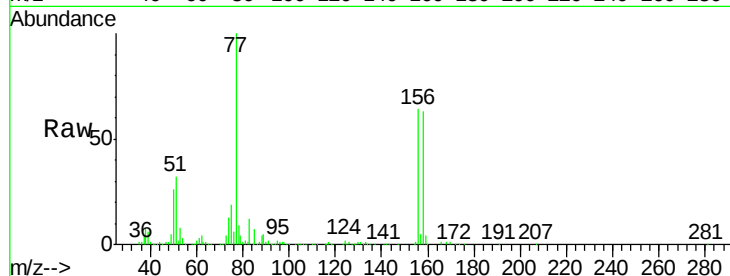
77 184.3 100.8 302.4

158 99.1 49.3 147.9

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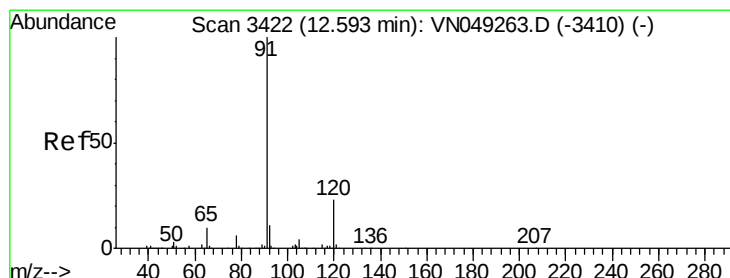
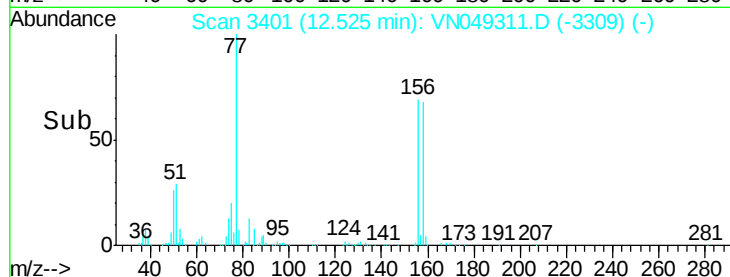
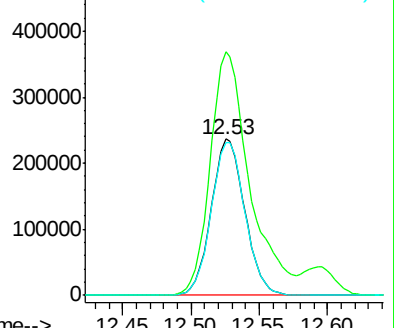
6/18/2018 3:16:22 PM



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: 20.37 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049311.D

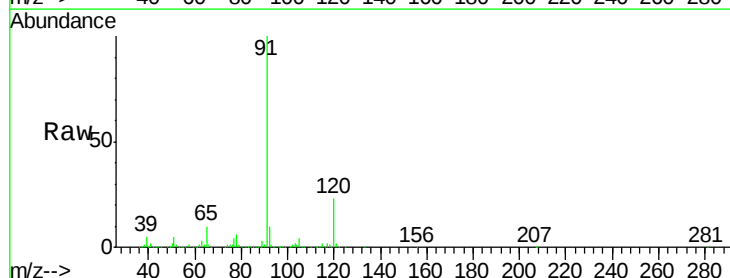
Acq: 16 Jun 2018 15:55

Tgt Ion: 91 Resp: 1842766

Ion Ratio Lower Upper

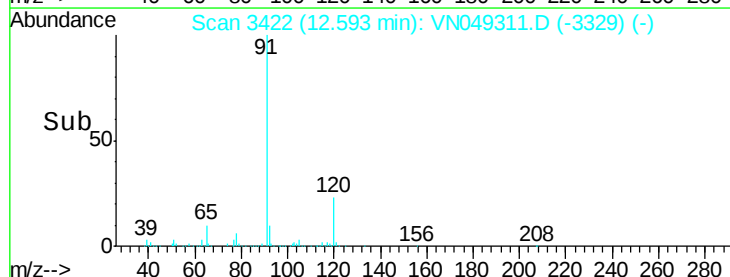
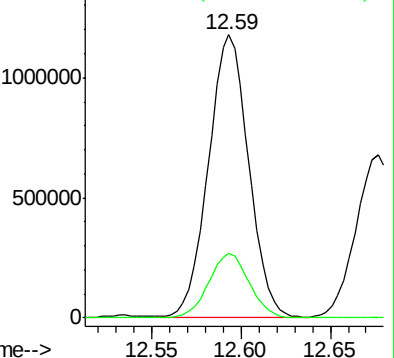
91 100

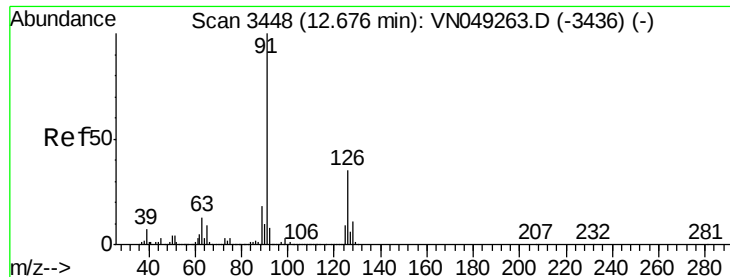
120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.66 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS03

Tot Ion: 91 Resp: 1126945

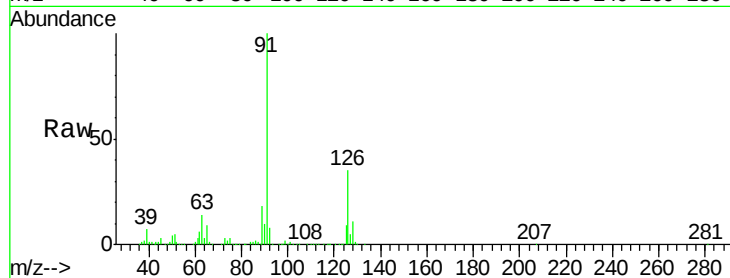
Ion Ratio Lower Upper

91 100

126 35.5 16.6 49.8

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

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

800000

600000

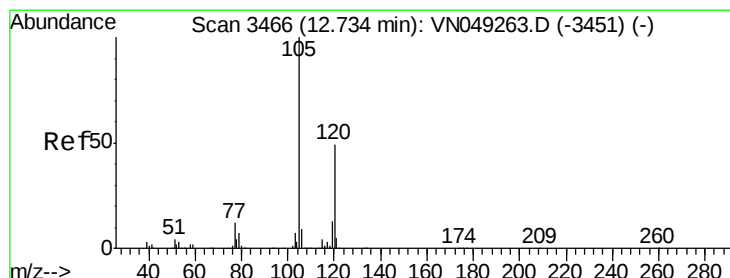
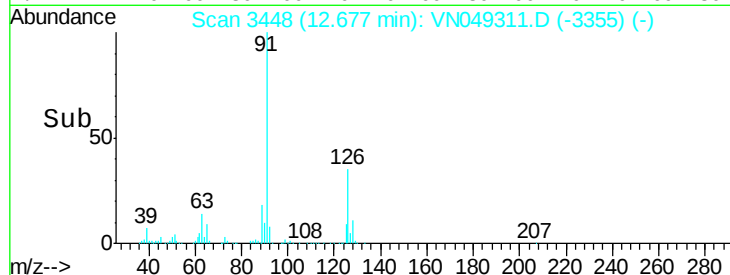
400000

200000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.59 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049311.D

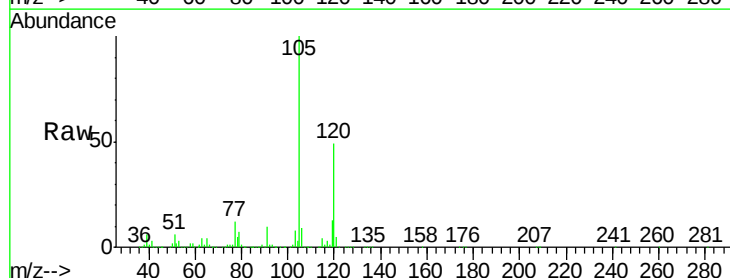
Acq: 16 Jun 2018 15:55

Tgt Ion: 105 Resp: 1333152

Ion Ratio Lower Upper

105 100

120 49.1 23.5 70.5



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

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

1000000

800000

600000

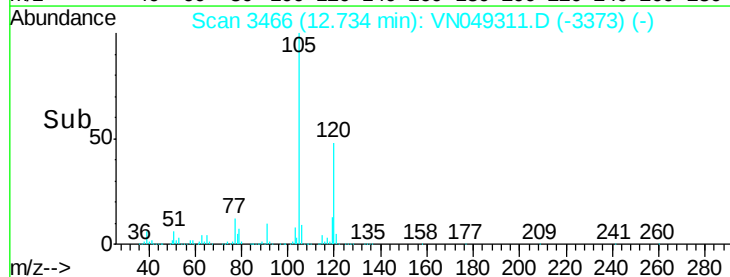
400000

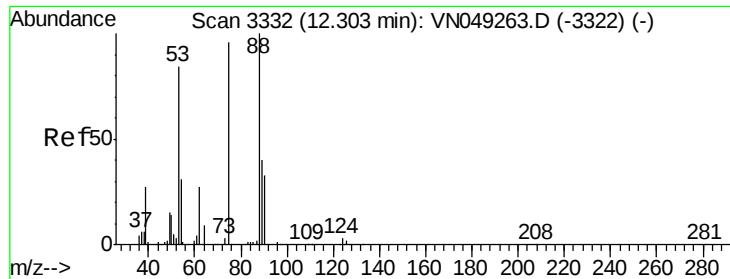
200000

0

12.70 12.73 12.80

Time-->





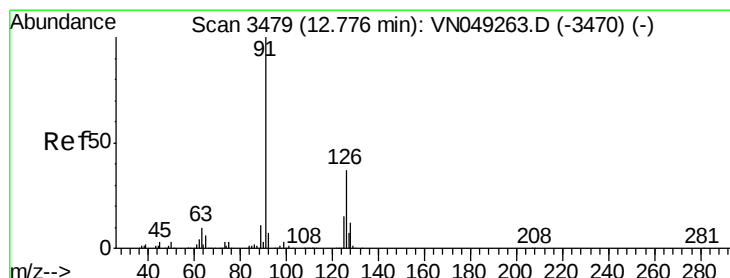
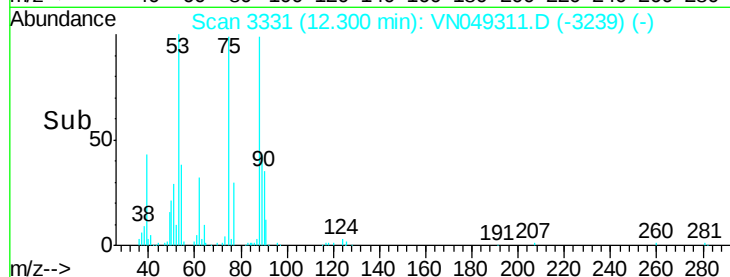
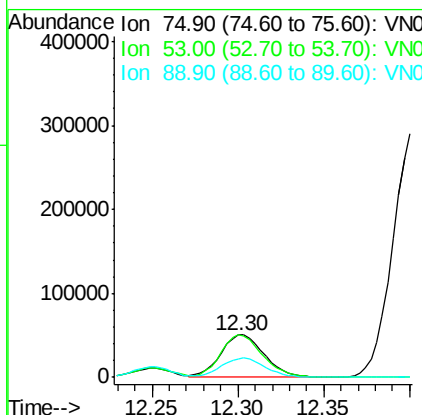
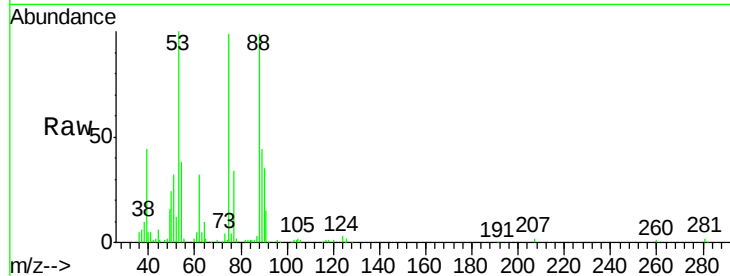
#81
trans-1,4-Dichloro-2-butene
Concen: 17.66 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.2	82.7	124.1
89	47.1	36.5	54.7

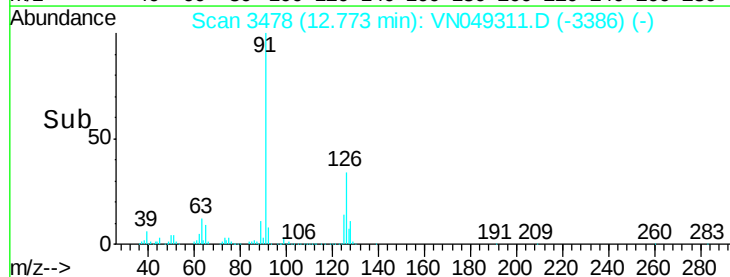
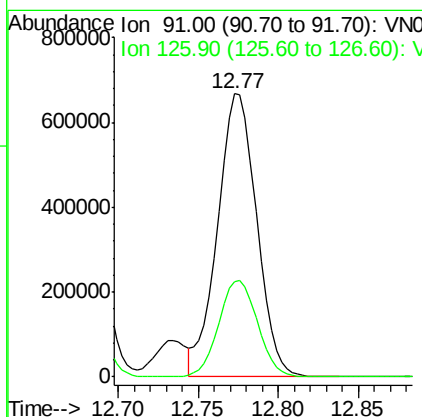
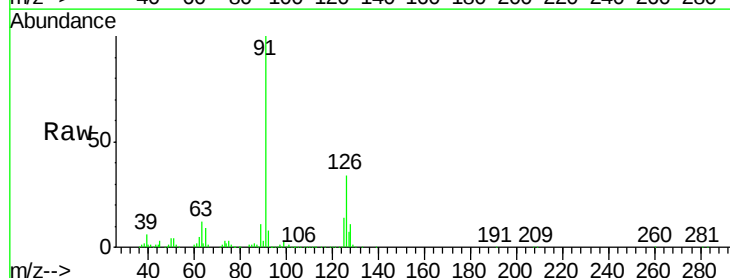
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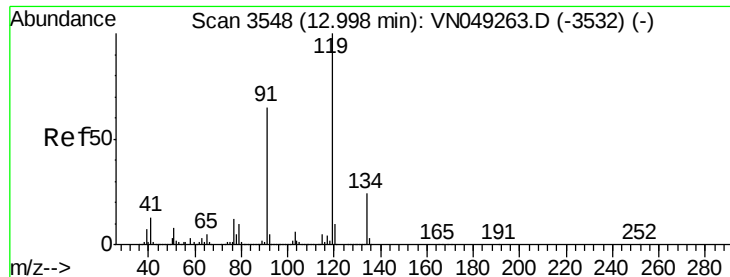
MMDadoda
6/18/2018 3:16:22 PM



#82
4-Chlorotoluene
Concen: 20.21 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.4	49.1





#83

tert-Butylbenzene

Concen: 19.72 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS03

Tot Ion:119 Resp: 1131070

Ion Ratio Lower Upper

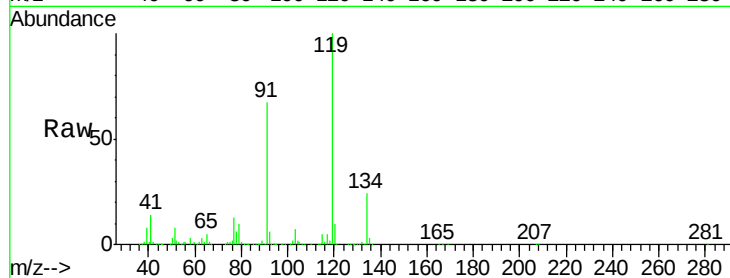
119 100

91 65.3 33.7 101.0

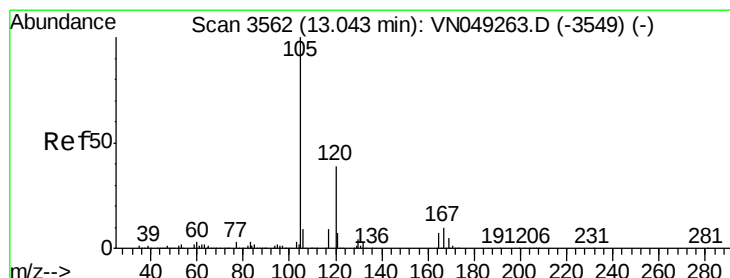
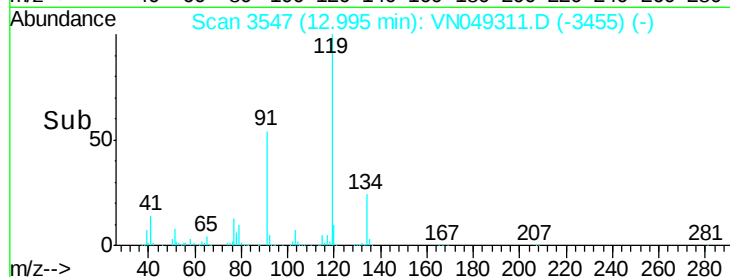
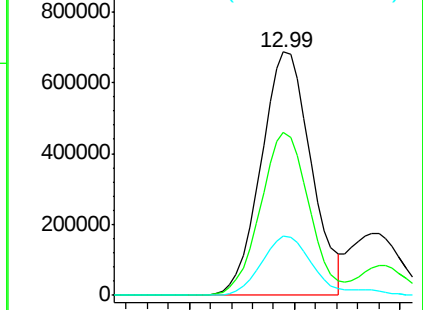
134 26.0 12.9 38.6

Manual Integrations
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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: 20.78 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049311.D

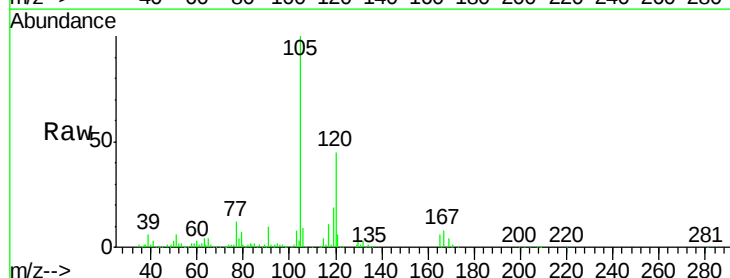
Acq: 16 Jun 2018 15:55

Tgt Ion:105 Resp: 1336447

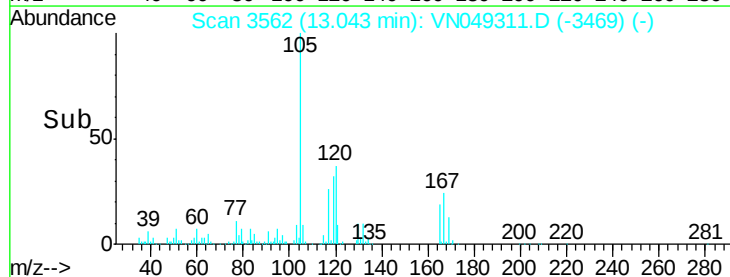
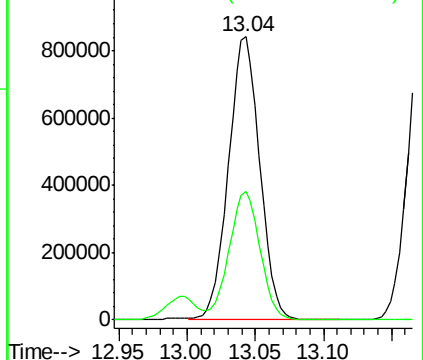
Ion Ratio Lower Upper

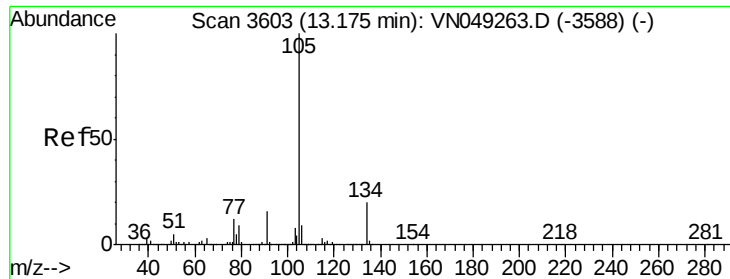
105 100

120 44.7 22.2 66.6



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





#85

sec-Butylbenzene

Concen: 19.93 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS03

Tot Ion:105 Resp: 1521313

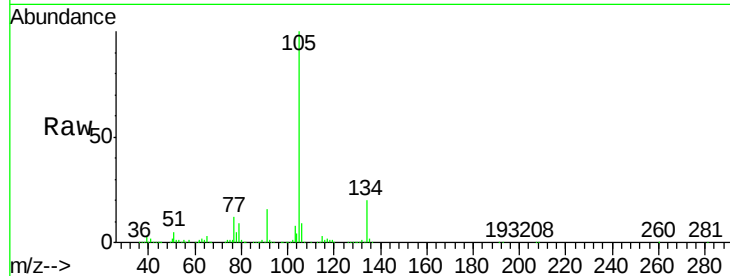
Ion Ratio Lower Upper

105 100

134 20.1 9.8 29.3

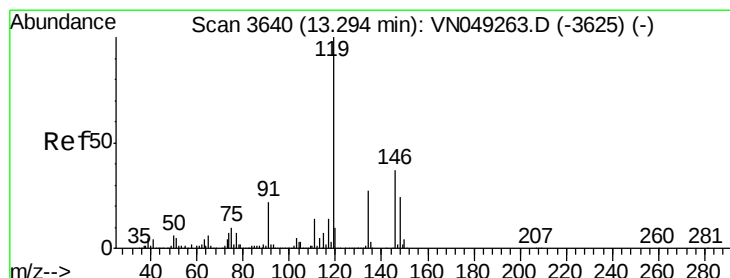
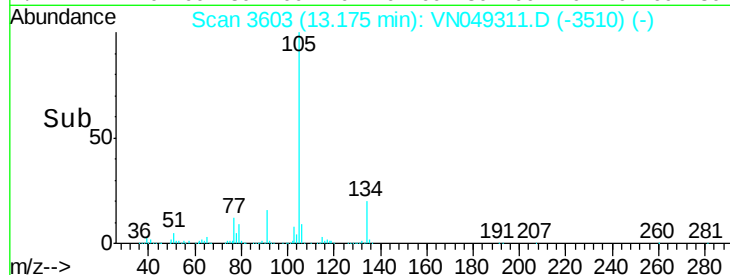
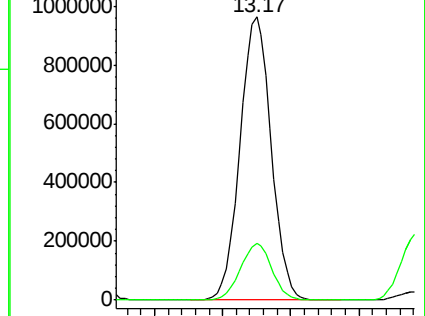
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.08 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

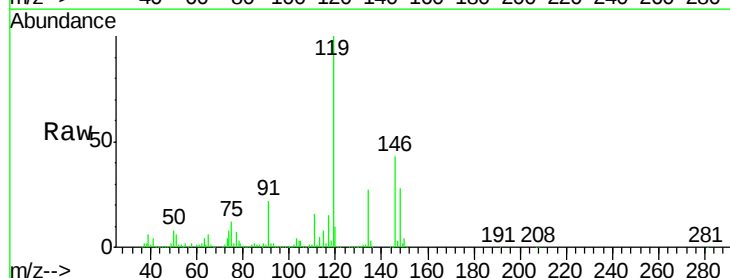
Tgt Ion:119 Resp: 1281063

Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.6

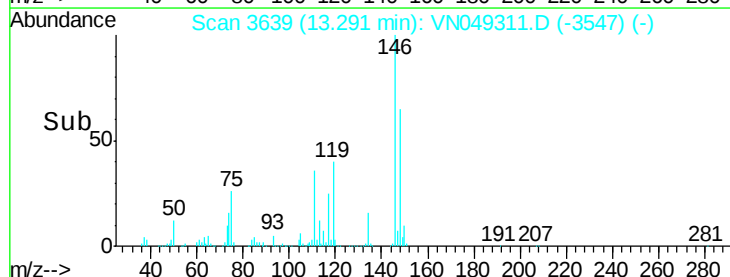
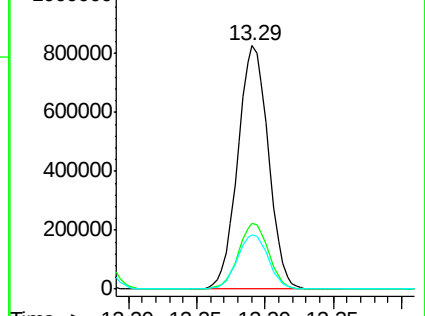
91 22.7 12.1 36.3

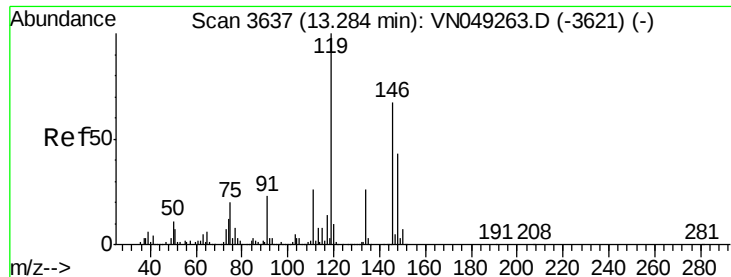


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





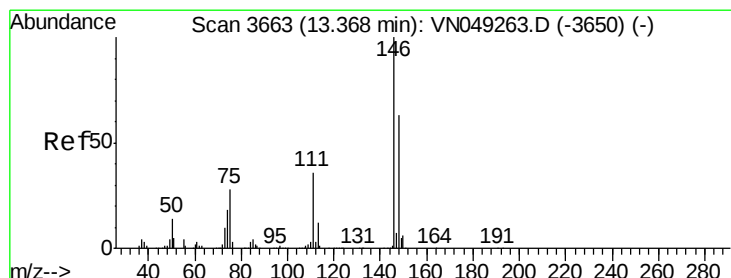
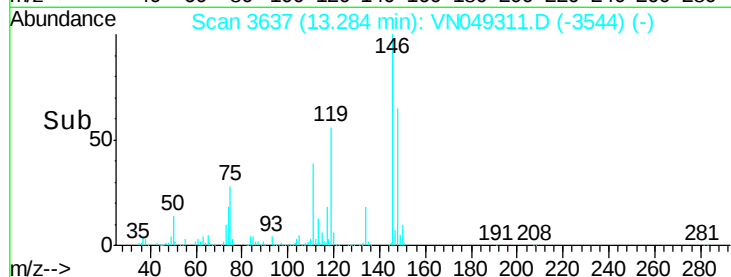
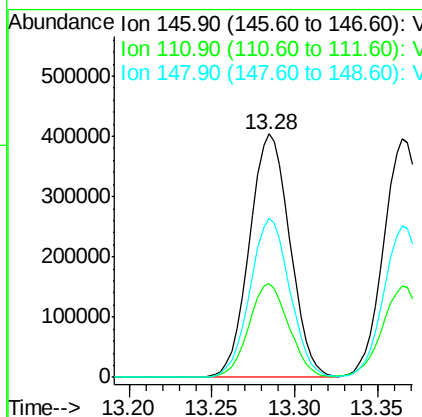
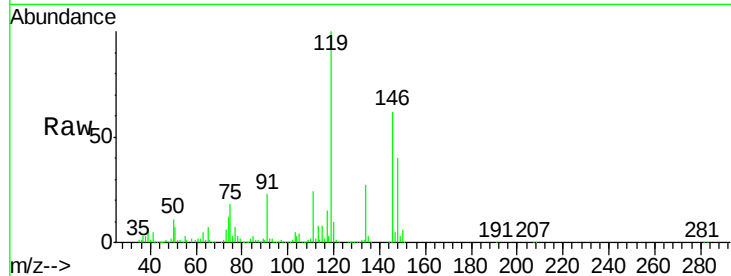
#87
1,3-Dichlorobenzene
Concen: 19.13 ug/l
RT: 13.28 min Scan# 3637
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.9	59.6
148	64.4	32.1	96.5

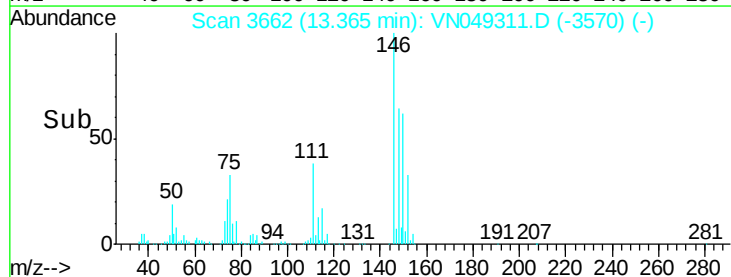
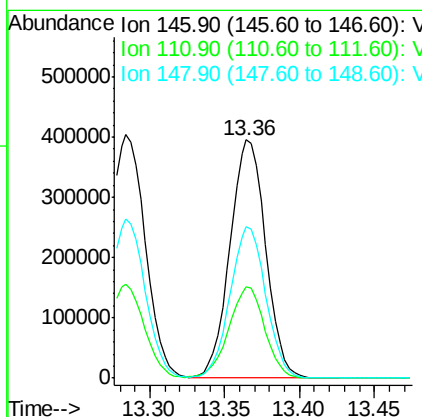
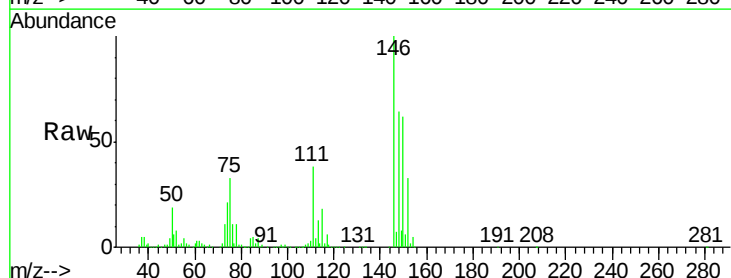
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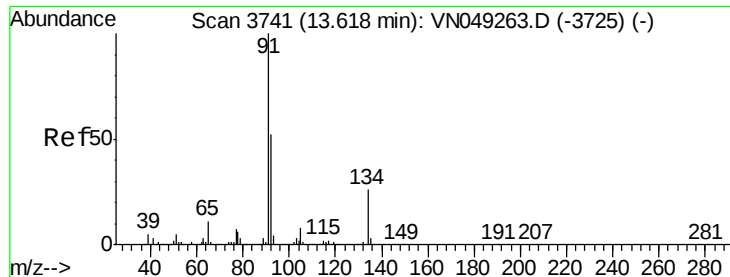
MMDadoda
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#88
1,4-Dichlorobenzene
Concen: 18.52 ug/l
RT: 13.36 min Scan# 3662
Delta R.T. -0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.1
148	63.5	32.0	96.2





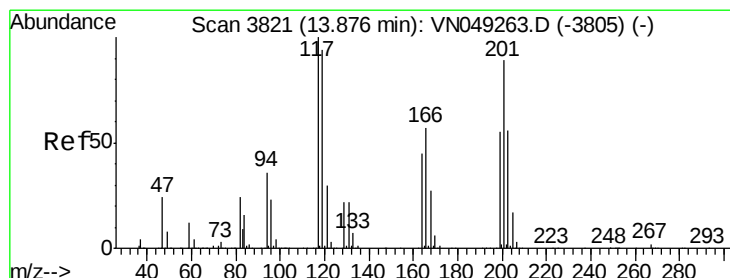
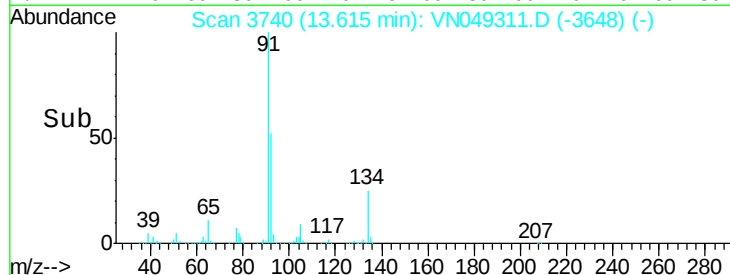
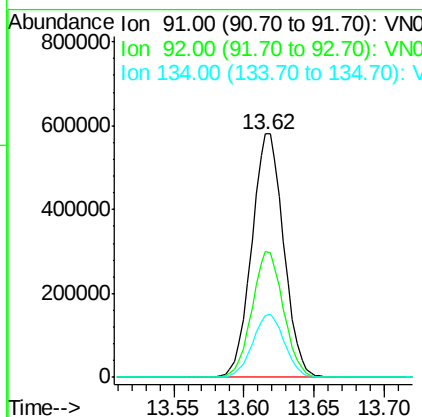
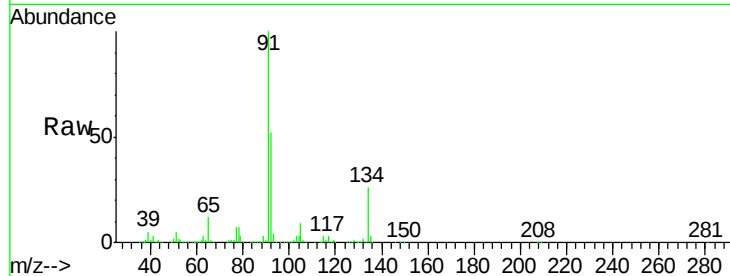
#89
n-Butylbenzene
Concen: 18.45 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.1	75.4
134	25.8	12.0	36.0

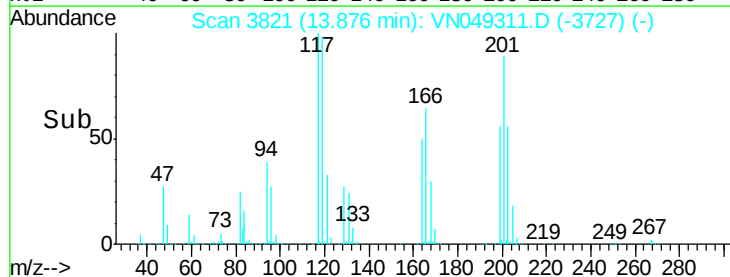
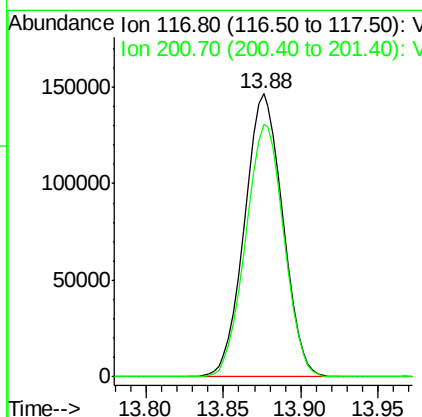
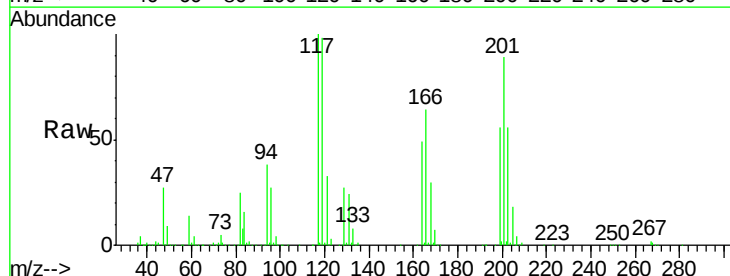
Manual Integrations
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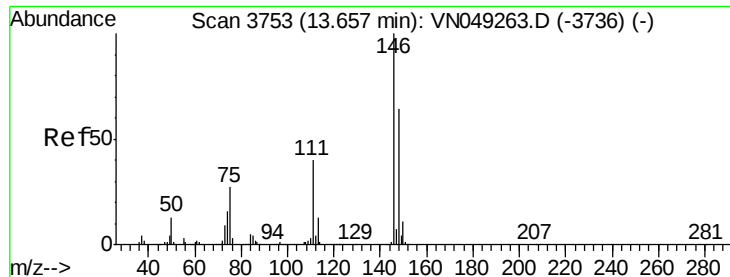
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#90
Hexachloroethane
Concen: 19.81 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049311.D
Acq: 16 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	40.1	120.2





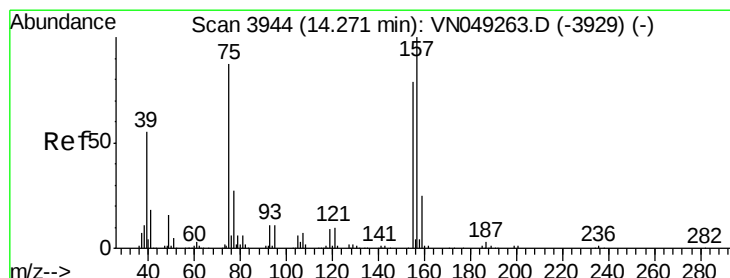
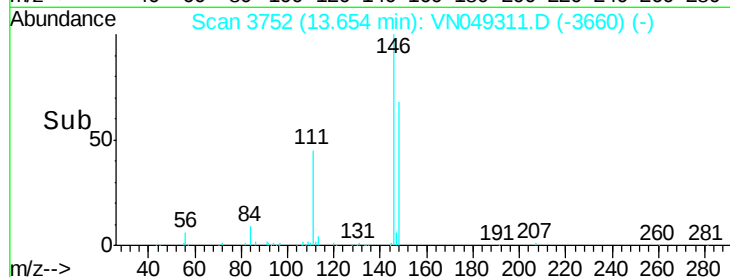
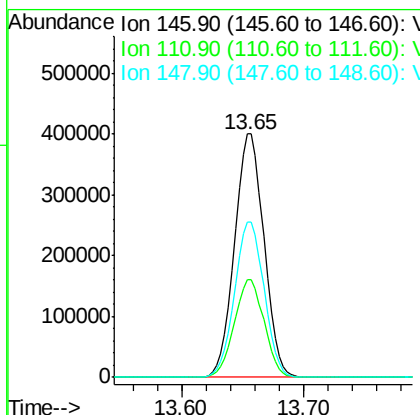
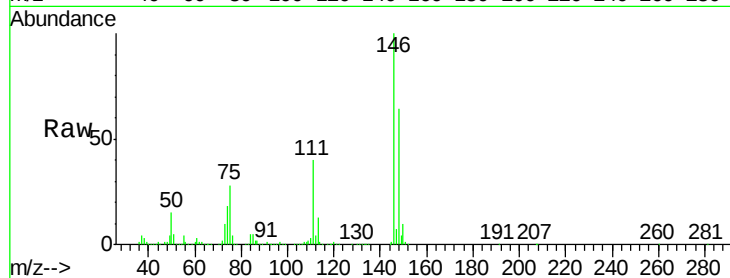
#91
 1,2-Dichlorobenzene
 Concen: 19.06 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049311.D
 Acq: 16 Jun 2018 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.8	62.2
148	64.0	32.0	96.2

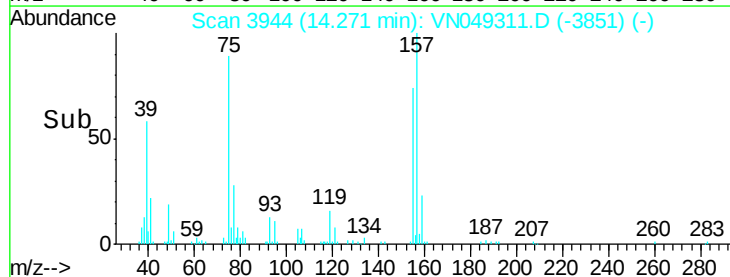
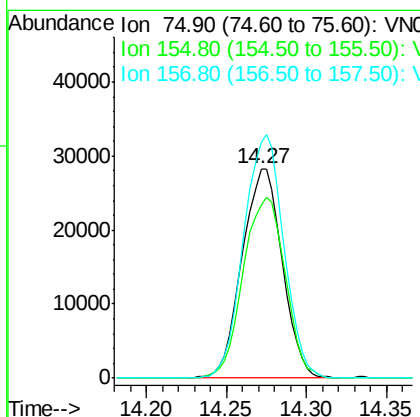
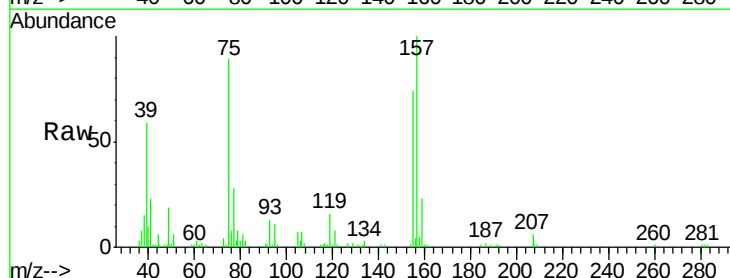
Manual Integrations
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 6/18/2018 3:16:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.93 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049311.D
 Acq: 16 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	38.8	116.3
157	115.4	51.0	153.1





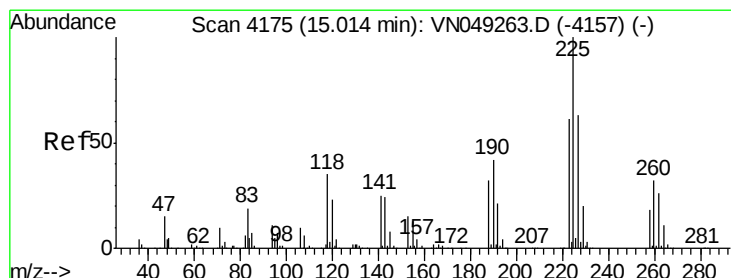
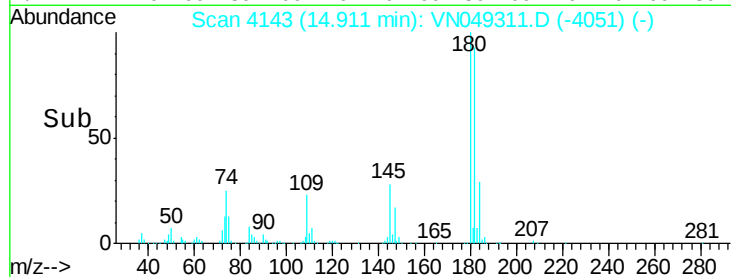
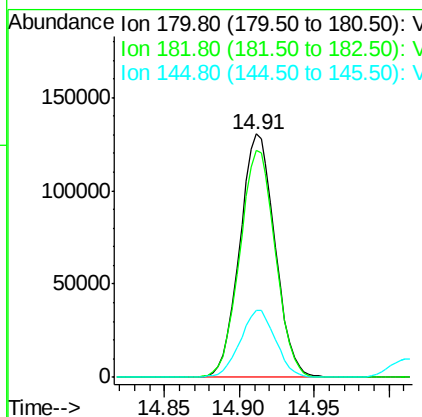
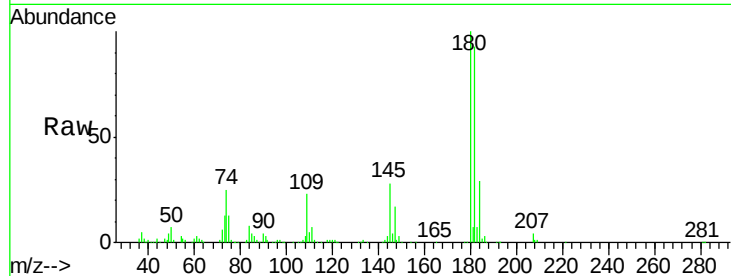
#93
 1,2,4-Trichlorobenzene
 Concen: 16.74 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049311.D
 Acq: 16 Jun 2018 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	213248		
182	94.3	46.9	140.8	
145	27.8	14.7	44.1	

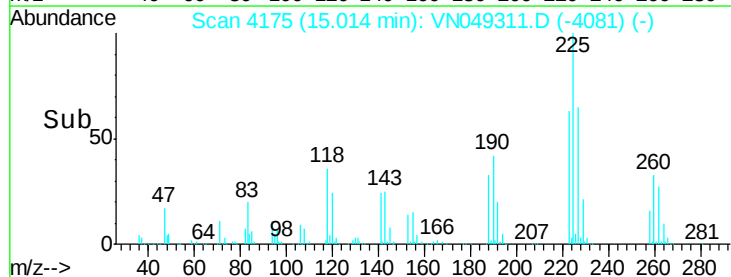
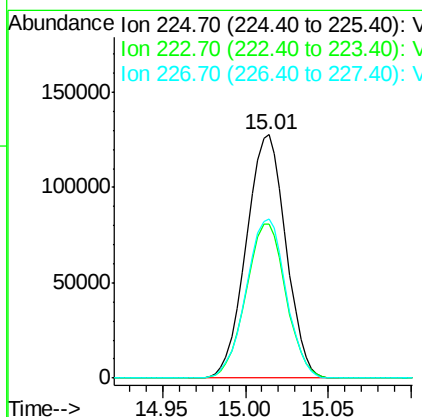
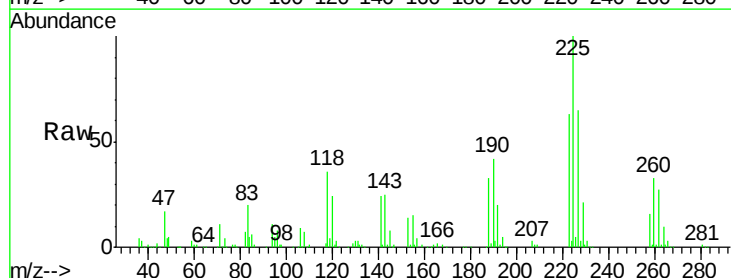
Manual Integrations
 APPROVED

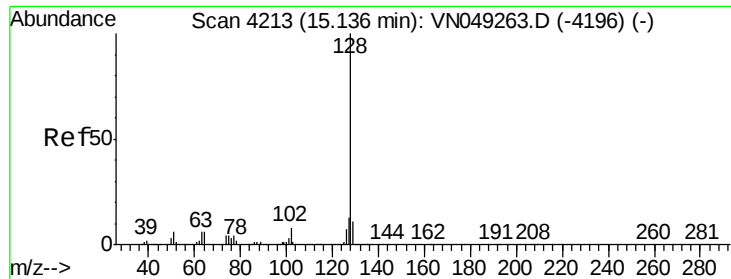
MMDadoda
 6/18/2018 3:16:22 PM



#94
 Hexachlorobutadiene
 Concen: 18.96 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049311.D
 Acq: 16 Jun 2018 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	212037		
223	64.1	32.1	96.3	
227	65.8	31.8	95.3	





#95

Naphthalene

Concen: 16.73 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Instrument :

MSVOA_N

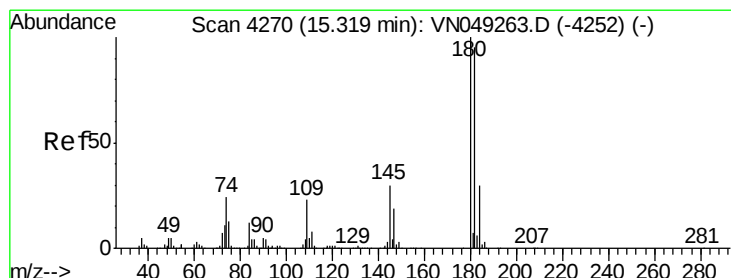
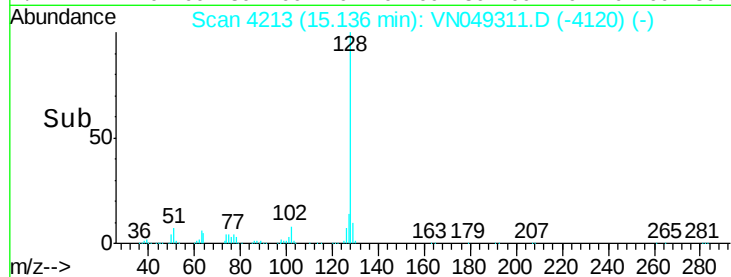
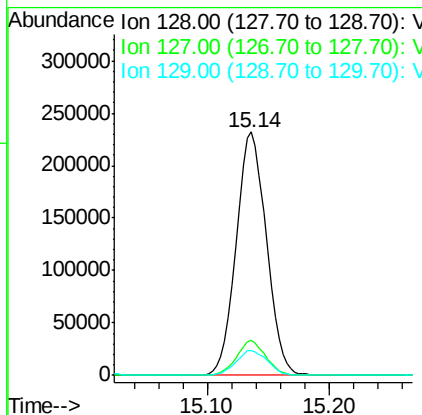
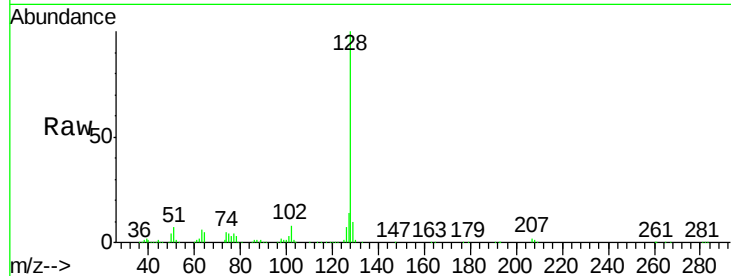
ClientSampleId :

VN0616WBS03

Tot Ion:	128	Resp:	397585
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	16.0
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/18/2018 3:16:22 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.28 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049311.D

Acq: 16 Jun 2018 15:55

Tgt Ion:	180	Resp:	233498
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.3	141.8
145	30.6	15.6	46.7

