

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049333.D
 Acq On : 18 Jun 2018 10:35
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:55:40 PM

Quant Time: Jun 19 01:38:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1534052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2270461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2077750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1067211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1016828	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
35) Dibromofluoromethane	7.59	113	926971	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	10.09	98	3511383	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.40	95	1223345	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	836268	47.362	ug/l	100
3) Chloromethane	2.06	50	961539	42.172	ug/l	98
4) Vinyl Chloride	2.18	62	1073202	44.289	ug/l	100
5) Bromomethane	2.56	94	363056	28.501	ug/l	94
6) Chloroethane	2.70	64	695884	48.164	ug/l	100
7) Trichlorofluoromethane	3.01	101	1452411	48.046	ug/l	100
8) Diethyl Ether	3.41	74	547634	51.889	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	934067	48.718	ug/l	93
10) Methyl Iodide	3.95	142	597211	29.921	ug/l	92
11) Tert butyl alcohol	4.79	59	292057	244.563	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	849596	48.302	ug/l	90
13) Acrolein	3.60	56	513497	410.032	ug/l	99
14) Allyl chloride	4.32	41	1439760	51.840	ug/l	89
15) Acrylonitrile	4.99	53	1547883	259.216	ug/l	99
16) Acetone	3.82	43	1629400	329.822	ug/l	93
17) Carbon Disulfide	4.05	76	2455335	44.536	ug/l	100
18) Methyl Acetate	4.32	43	749806	49.777	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	2454939	54.741	ug/l	99
20) Methylene Chloride	4.55	84	1011667	49.031	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	912623	49.008	ug/l	91
22) Diisopropyl ether	5.95	45	2972652	53.598	ug/l	95
23) Vinyl Acetate	5.90	43	10033085	277.497	ug/l	95
24) 1,1-Dichloroethane	5.85	63	1761494	49.623	ug/l	98
25) 2-Butanone	6.84	43	1955959	294.858	ug/l	96
26) 2,2-Dichloropropane	6.82	77	1471063	51.314	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	1067623	51.568	ug/l	93
28) Bromochloromethane	7.19	49	786701	49.988	ug/l	85
29) Tetrahydrofuran	7.21	42	1102019	258.080	ug/l	94
30) Chloroform	7.37	83	1770625	50.121	ug/l	100
31) Cyclohexane	7.65	56	1549360	51.491	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	1510804	50.122	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1359517	52.245	ug/l	98
37) Ethyl Acetate	6.93	43	765952	54.144	ug/l #	96
38) Carbon Tetrachloride	7.77	117	1350867	50.144	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1493944	53.483	ug/l	94
40) Benzene	8.04	78	4036015	50.591	ug/l	99
41) Methacrylonitrile	7.17	41	434418	56.803	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1271240	51.577	ug/l	96
43) Isopropyl Acetate	8.17	43	1416904	52.422	ug/l	96
44) Trichloroethene	8.83	130	1086357	51.566	ug/l	93
45) 1,2-Dichloropropane	9.12	63	1083219	51.857	ug/l	98
46) Dibromomethane	9.21	93	632186	52.195	ug/l	91
47) Bromodichloromethane	9.40	83	1382354	51.936	ug/l	98
48) Methyl methacrylate	9.20	41	711537	55.902	ug/l	87
49) 1,4-Dioxane	9.20	88	186730	1062.947	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	3792544	267.721	ug/l	93
52) Toluene	10.16	92	2507600	53.555	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	1420000	55.769	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1651032	54.916	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	899961	51.558	ug/l	97
56) Ethyl methacrylate	10.43	69	1136072	56.416	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1537549	53.172	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1694503	236.211	ug/l	94
59) 2-Hexanone	10.75	43	2697525	295.364	ug/l	92
60) Dibromochloromethane	10.90	129	1042021	53.486	ug/l	100
61) 1,2-Dibromoethane	11.01	107	875264	53.946	ug/l	99
64) Tetrachloroethene	10.63	164	1115743	52.405	ug/l	98
65) Chlorobenzene	11.43	112	2771354	51.777	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	1031224	51.197	ug/l	99
67) Ethyl Benzene	11.51	91	4800132	54.067	ug/l	98
68) m/p-Xylenes	11.62	106	3692419	110.822	ug/l	96
69) o-Xylene	11.95	106	1804542	56.232	ug/l	94
70) Styrene	11.96	104	2920909	57.693	ug/l	97
71) Bromoform	12.13	173	700428	53.721	ug/l #	100
73) Isopropylbenzene	12.25	105	4776941	50.979	ug/l	97
74) N-amyl acetate	12.07	43	1204027	52.460	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	1029581	53.571	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	912318m	50.102	ug/l	
77) Bromobenzene	12.53	156	1195593	48.305	ug/l	91
78) n-propylbenzene	12.59	91	5449296	52.965	ug/l	98
79) 2-Chlorotoluene	12.68	91	3256209	49.949	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3899018	52.939	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	289405	50.231	ug/l	90
82) 4-Chlorotoluene	12.77	91	3280428	52.159	ug/l	97
83) tert-Butylbenzene	12.99	119	3353434	51.394	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	3959200	54.113	ug/l	98
85) sec-Butylbenzene	13.17	105	4462683	51.386	ug/l	98
86) p-Isopropyltoluene	13.29	119	3903626	53.800	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	2100191	51.580	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	2043355	50.632	ug/l	99
89) n-Butylbenzene	13.62	91	3143825	55.473	ug/l	97
90) Hexachloroethane	13.88	117	741430	54.135	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	2042760	51.152	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	152640	46.790	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	881996	48.361	ug/l	98
94) Hexachlorobutadiene	15.01	225	647484	55.743	ug/l	99
95) Naphthalene	15.14	128	1702827	52.075	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	886015	49.552	ug/l	99

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

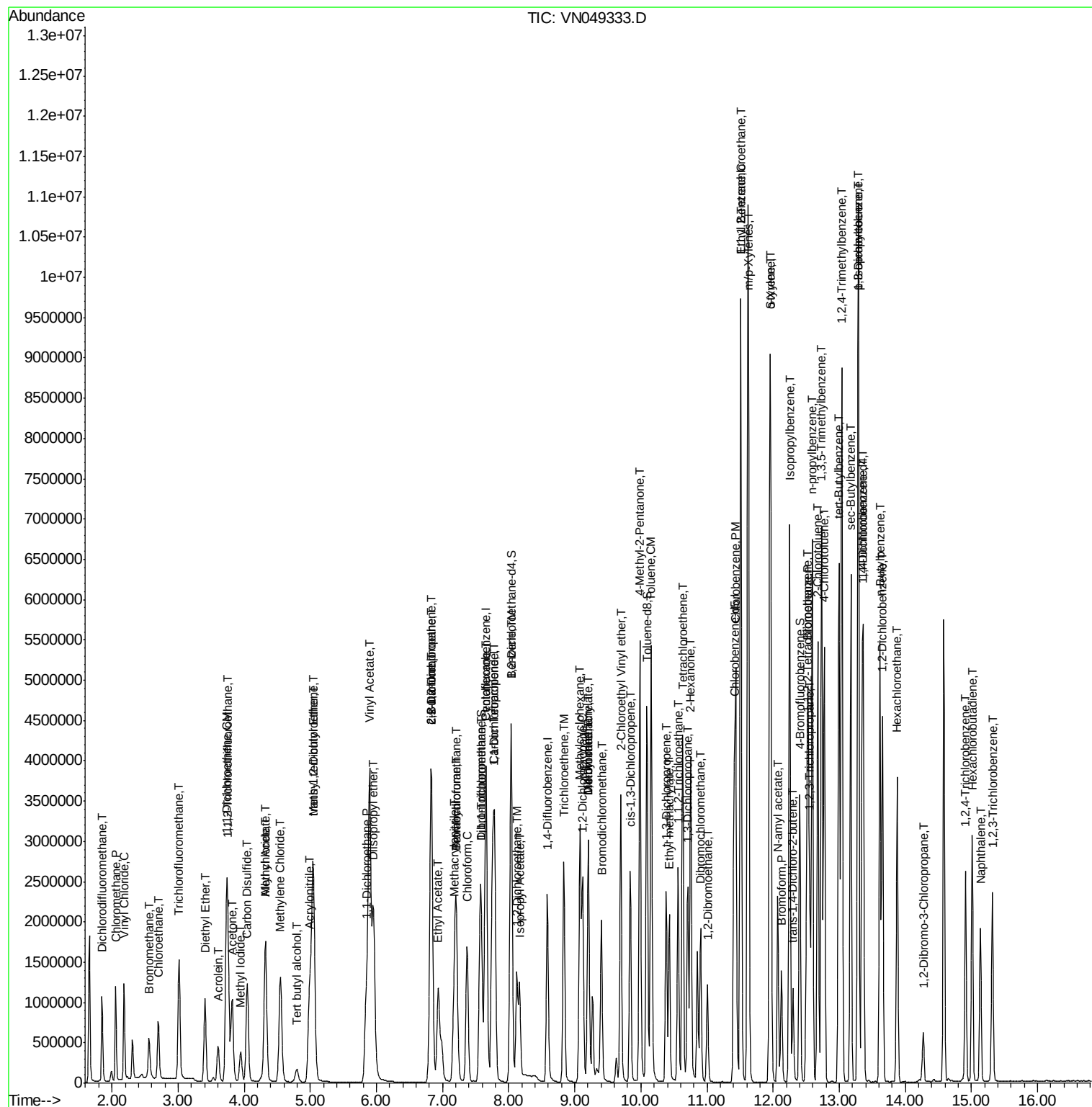
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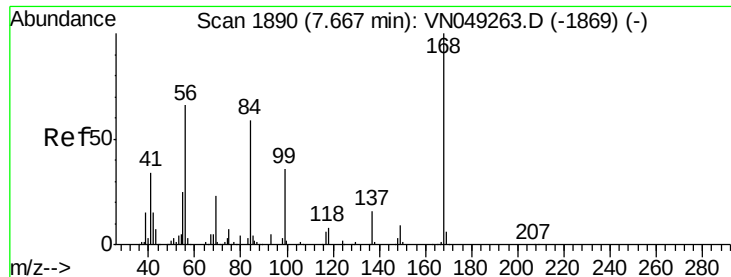
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1534052

Ion Ratio Lower Upper

168 100

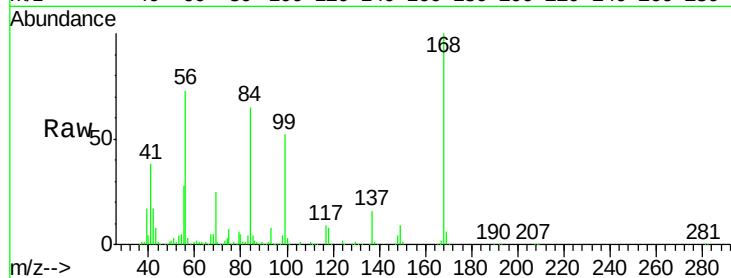
99 51.1 45.8 68.6

Manual Integrations

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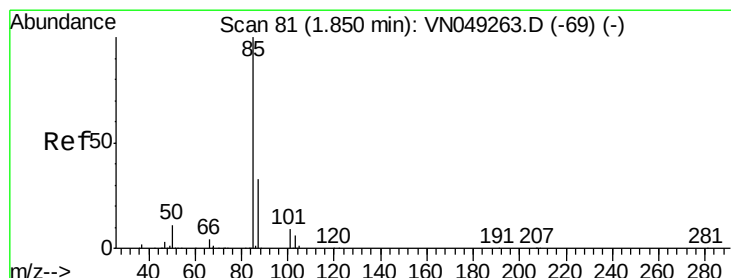
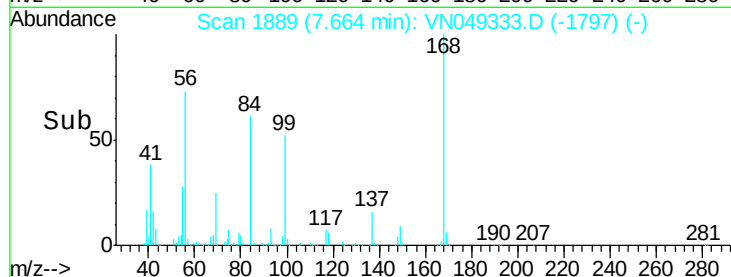
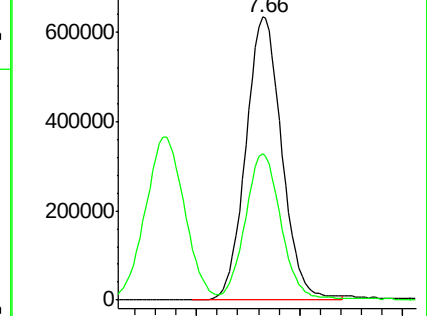
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 47.362 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049333.D

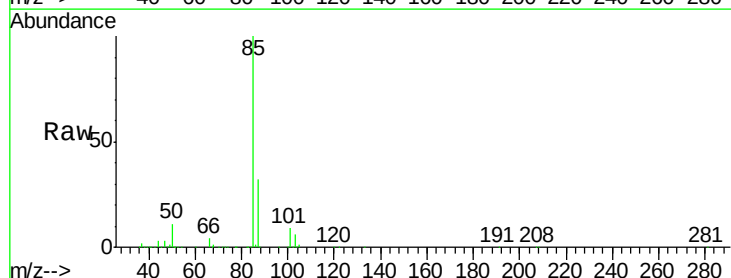
Acq: 18 Jun 2018 10:35

Tgt Ion: 85 Resp: 836268

Ion Ratio Lower Upper

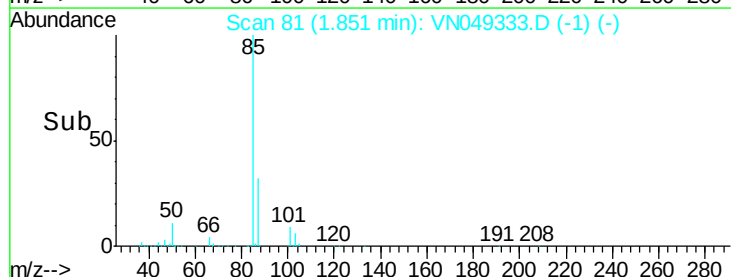
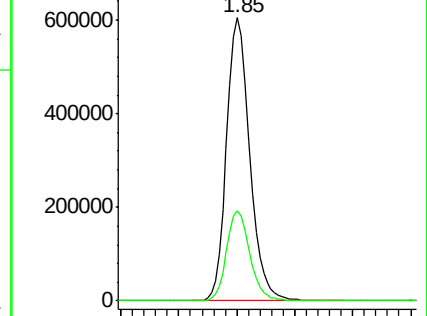
85 100

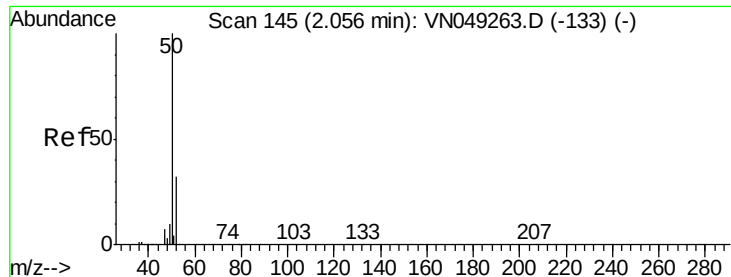
87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 42.172 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 961539

Ion Ratio Lower Upper

50 100

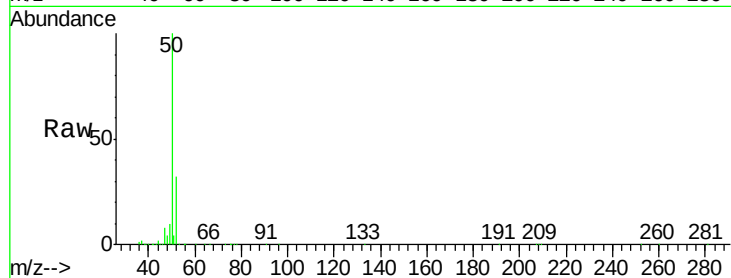
52 32.4 25.2 37.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN049333.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN049333.D (-52) (-)

2.06

800000

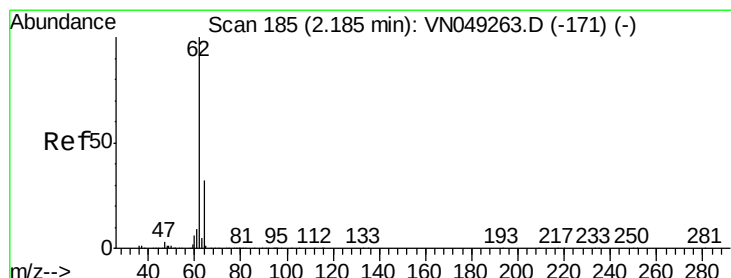
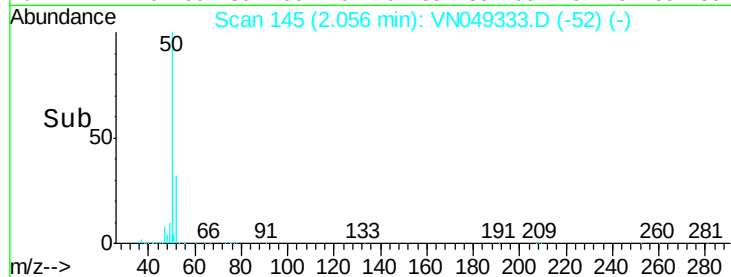
600000

400000

200000

0

Time-->



#4

Vinyl Chloride

Concen: 44.289 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049333.D

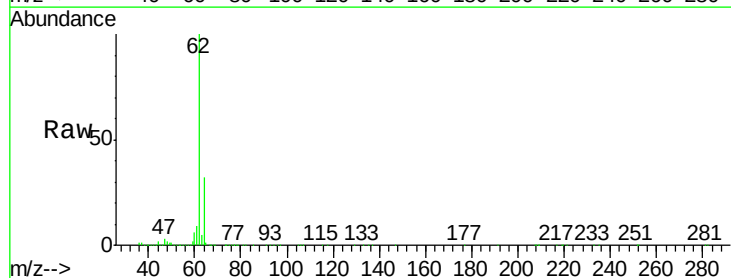
Acq: 18 Jun 2018 10:35

Tgt Ion: 62 Resp: 1073202

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN049333.D (-92) (-)

Ion 63.90 (63.60 to 64.60): VN049333.D (-92) (-)

2.18

800000

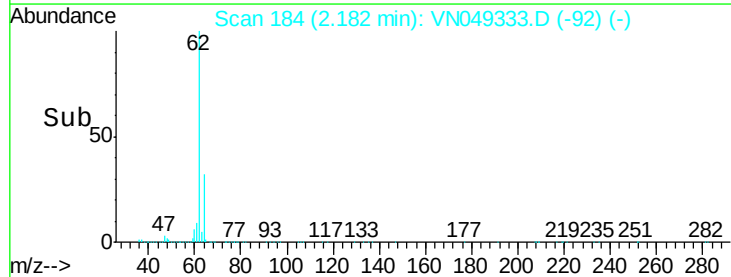
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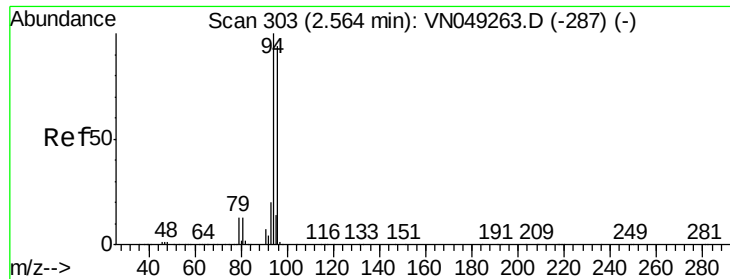
400000

200000

0

Time-->





#5

Bromomethane

Concen: 28.501 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

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Tot Ion: 94 Resp: 363056

Ion Ratio Lower Upper

94 100

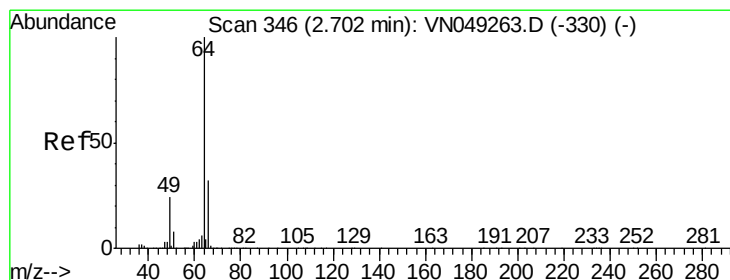
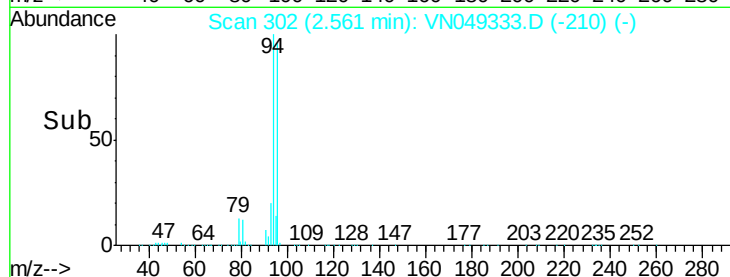
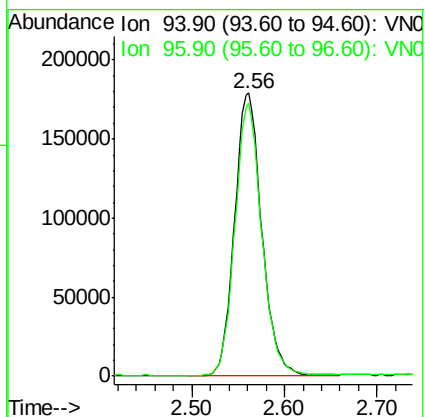
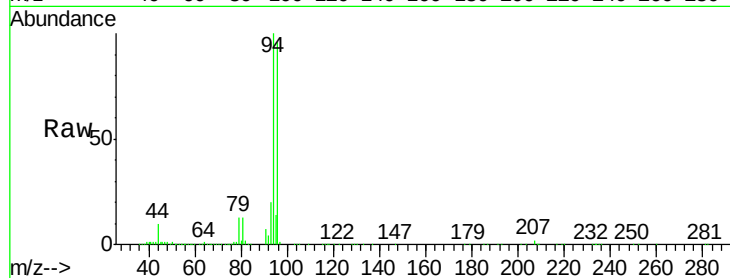
96 96.2 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 48.164 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049333.D

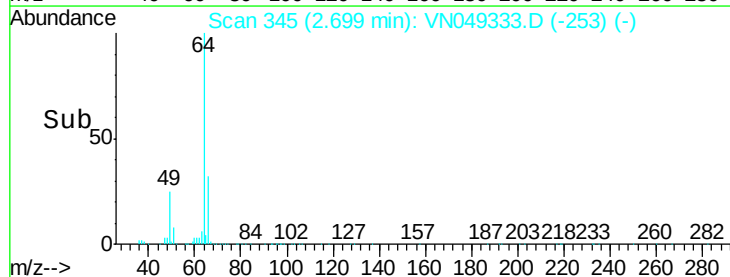
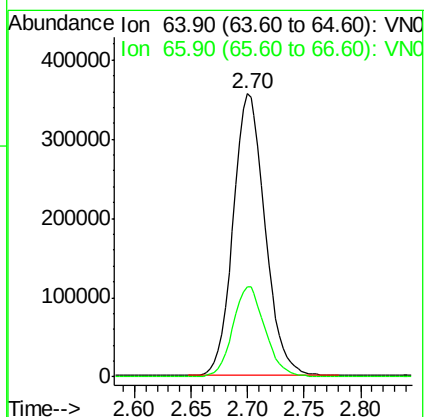
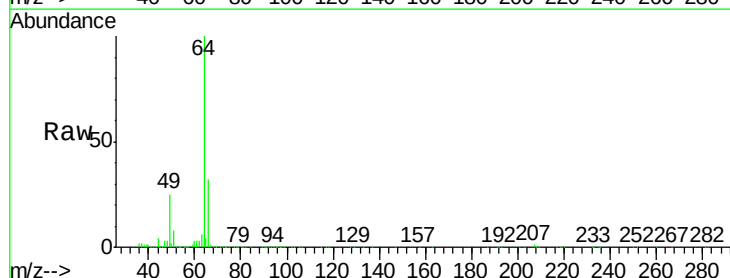
Acq: 18 Jun 2018 10:35

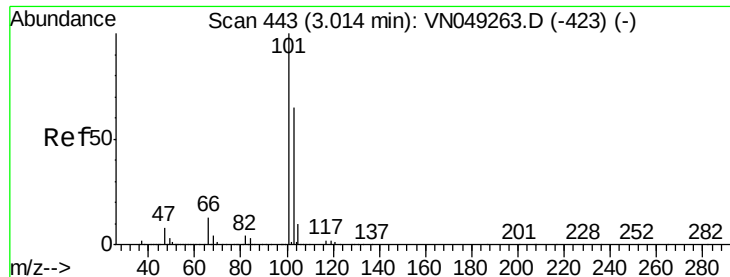
Tgt Ion: 64 Resp: 695884

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4





#7

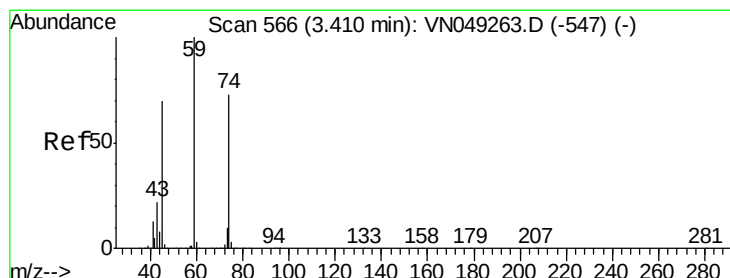
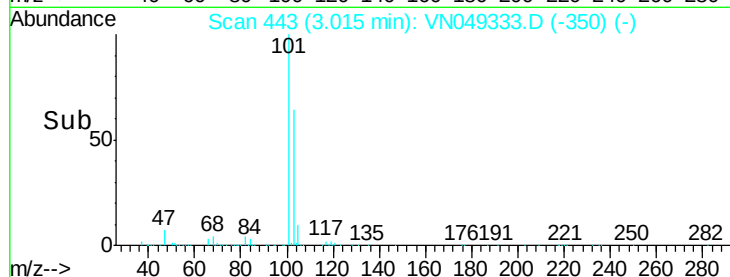
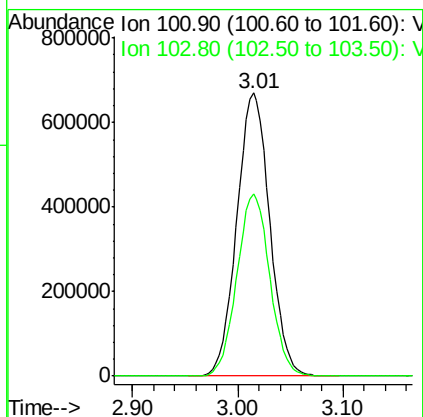
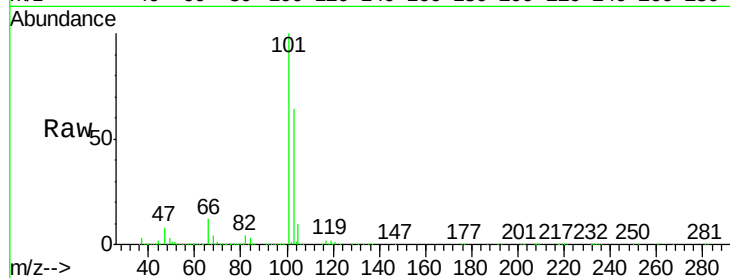
Trichlorofluoromethane
Concen: 48.046 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049333.D
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Tot Ion:101 Resp: 1452411
Ion Ratio Lower Upper
101 100
103 64.2 51.7 77.5

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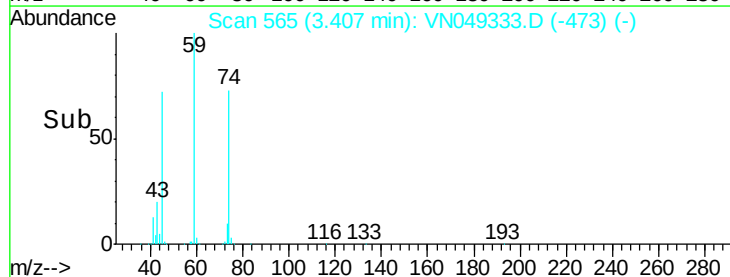
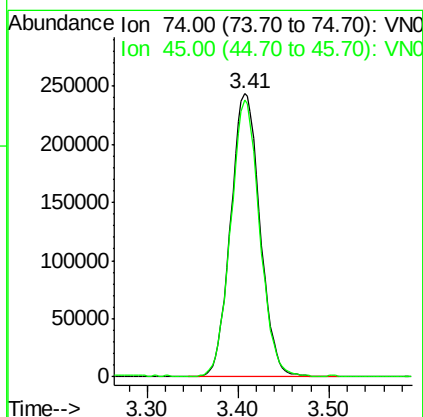
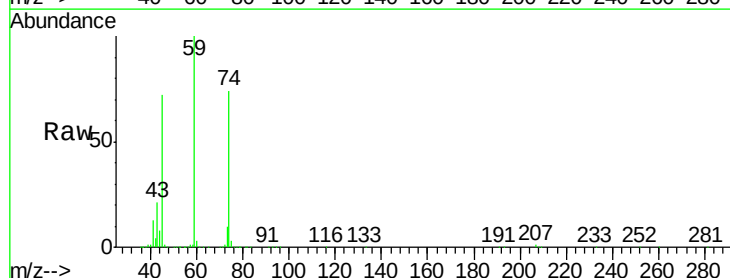
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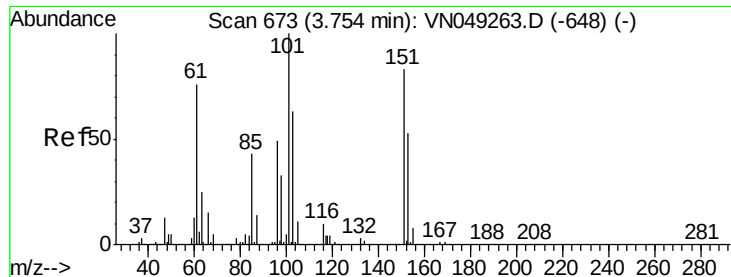


#8

Diethyl Ether
Concen: 51.889 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049333.D
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Tgt Ion: 74 Resp: 547634
Ion Ratio Lower Upper
74 100
45 95.1 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.718 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

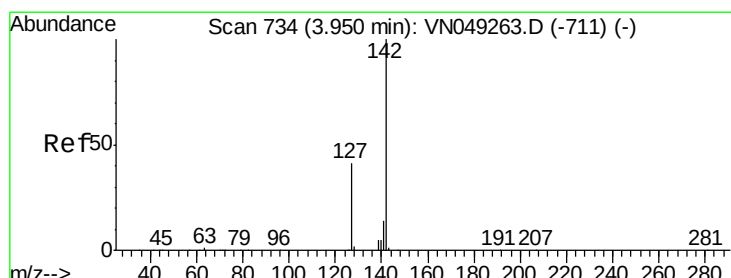
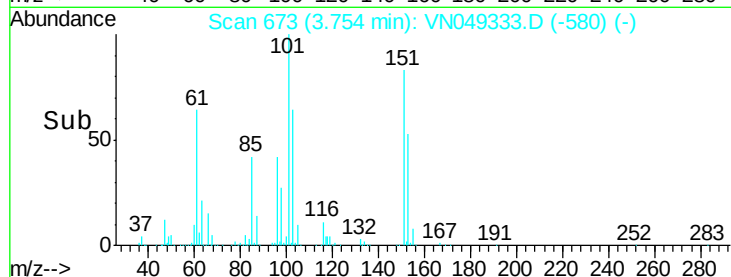
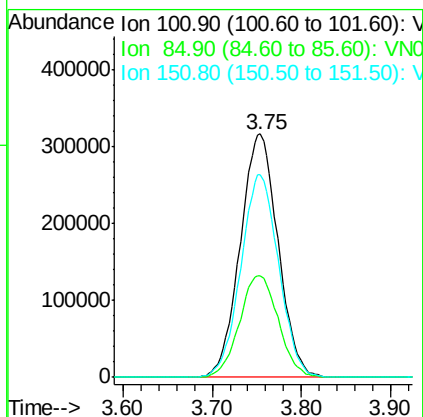
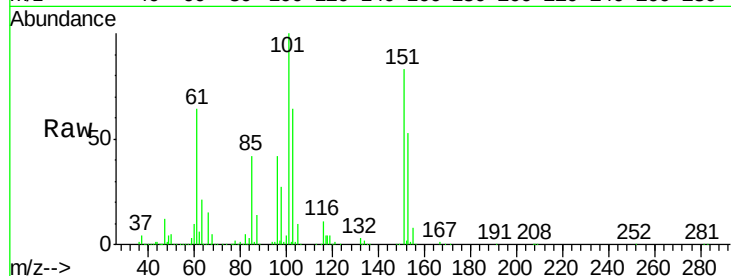
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	934067
Ion Ratio	Lower	Upper	
101	100		
85	43.0	37.6	56.4
151	83.6	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 29.921 ug/l

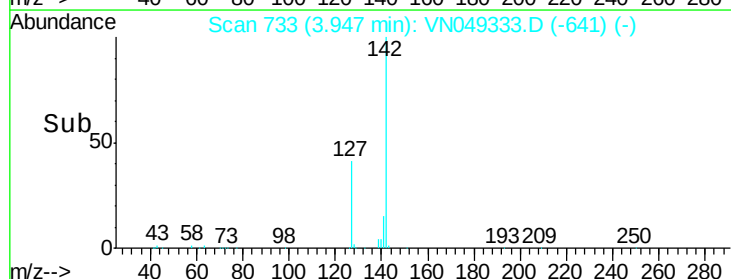
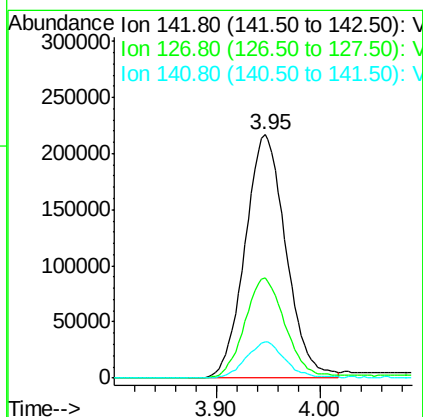
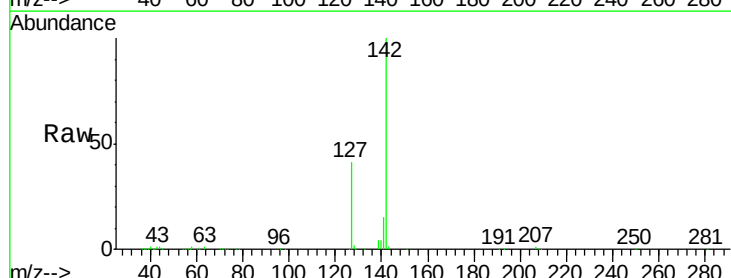
RT: 3.95 min Scan# 733

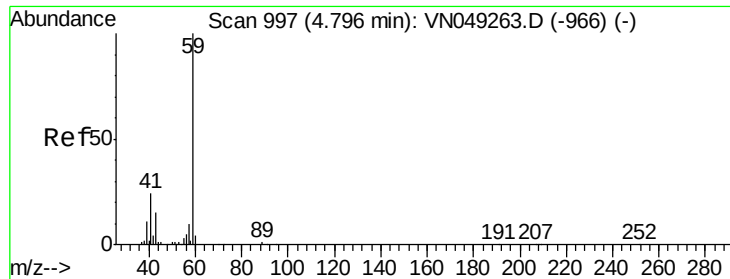
Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Tgt Ion:	142	Resp:	597211
Ion Ratio	Lower	Upper	
142	100		
127	41.3	38.2	57.4
141	14.3	11.9	17.9





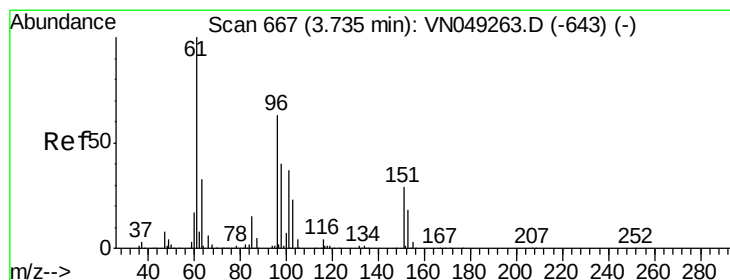
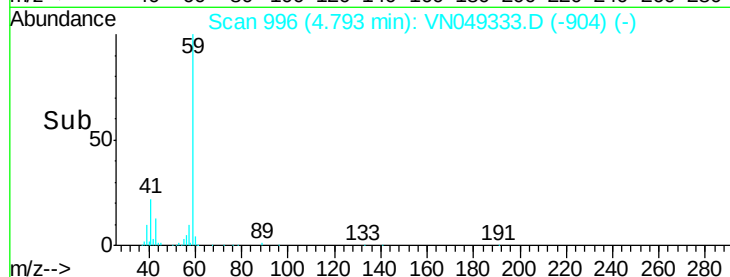
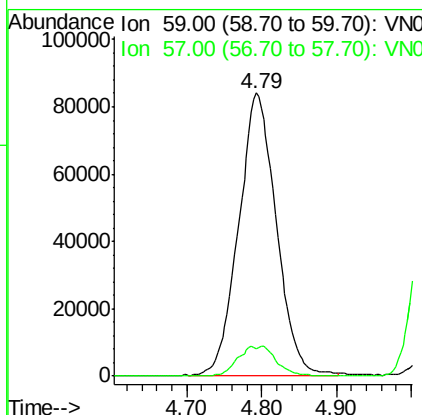
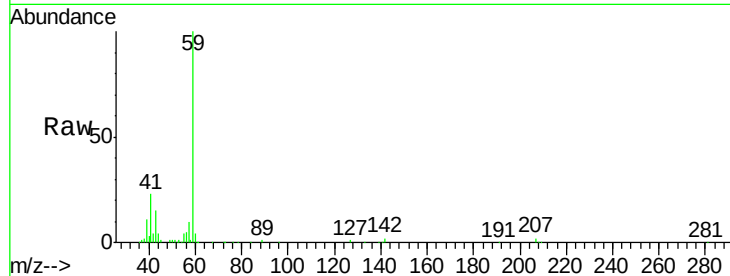
#11
Tert butyl alcohol
Concen: 244.563 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.4	9.0	13.6#

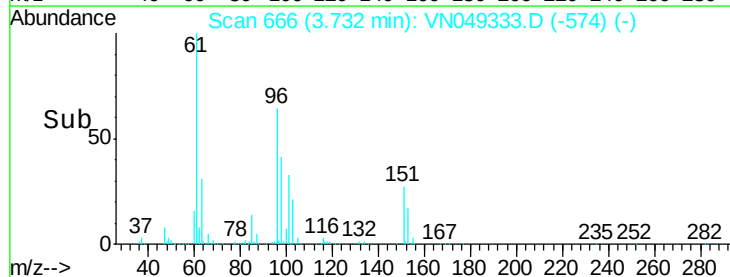
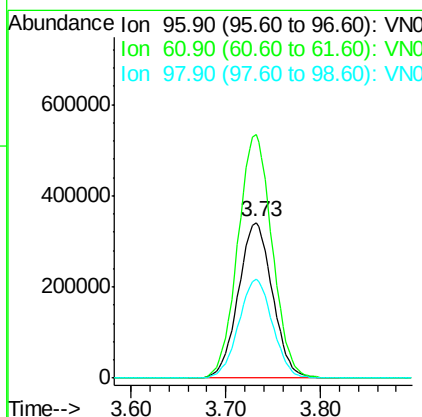
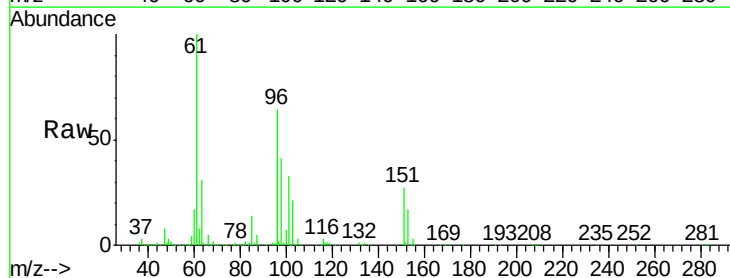
Manual Integrations
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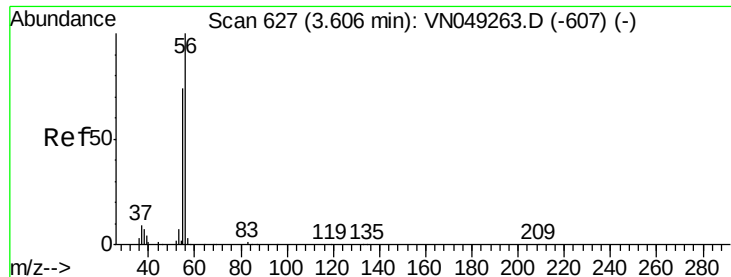
MMDadoda
6/19/2018 1:55:40 PM



#12
1,1-Dichloroethene
Concen: 48.302 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.8	141.0	211.4
98	63.8	50.4	75.6





#13

Acrolein

Concen: 410.032 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 513497

Ion Ratio Lower Upper

56 100

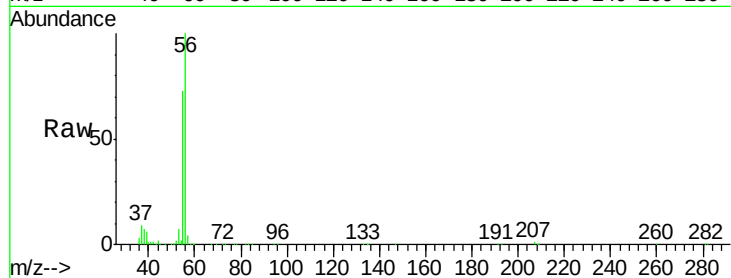
55 72.3 57.1 85.7

Manual Integrations

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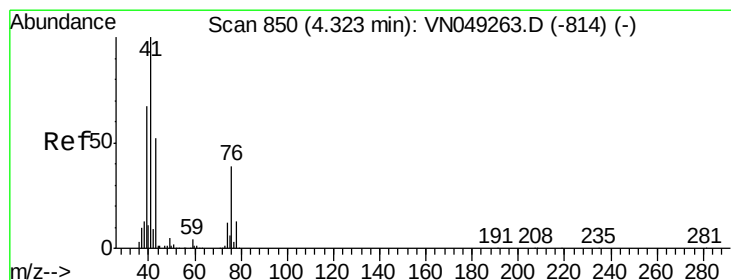
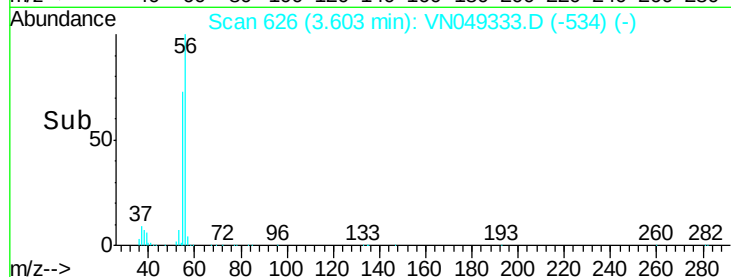
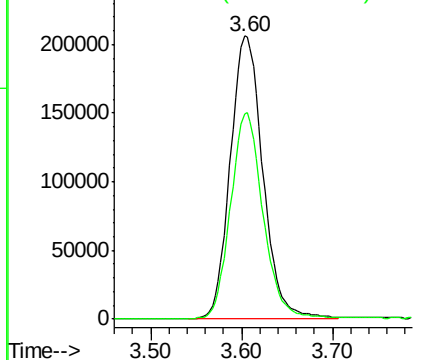
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.840 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

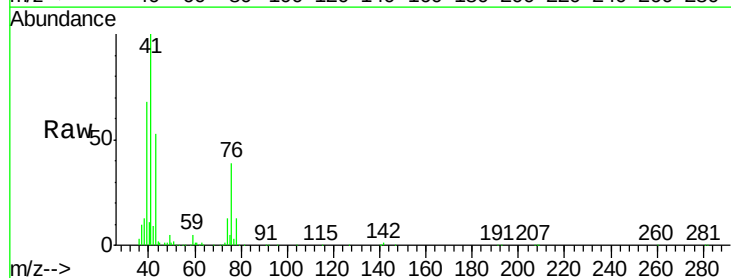
Tgt Ion: 41 Resp: 1439760

Ion Ratio Lower Upper

41 100

39 66.2 62.5 93.7

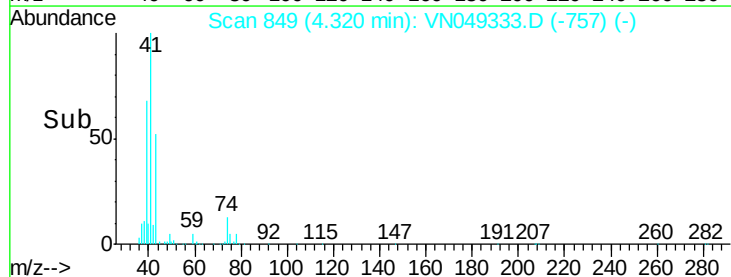
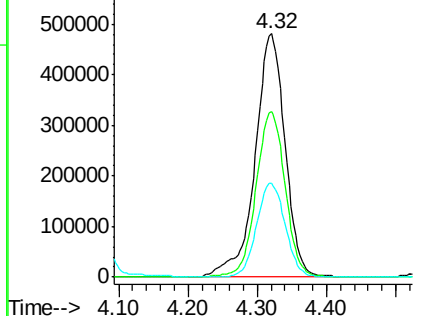
76 36.6 27.1 40.7

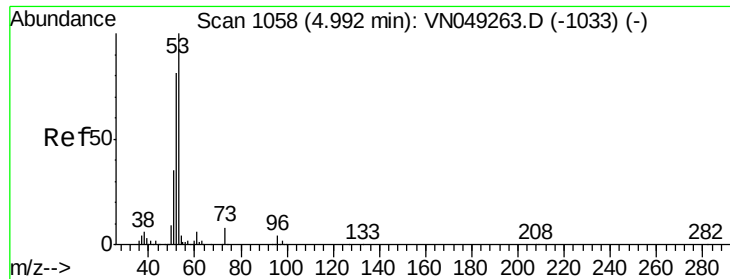


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





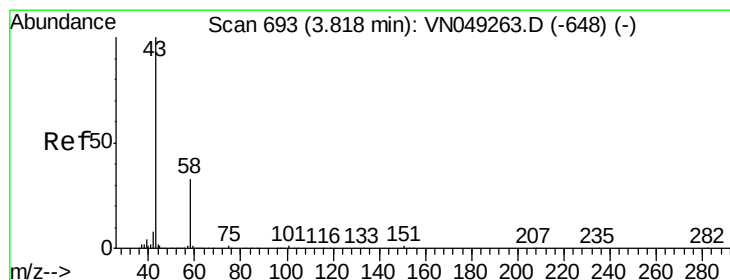
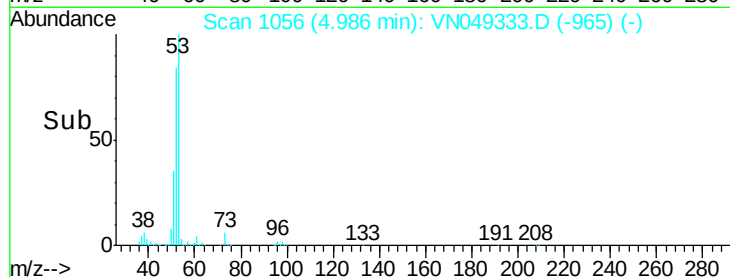
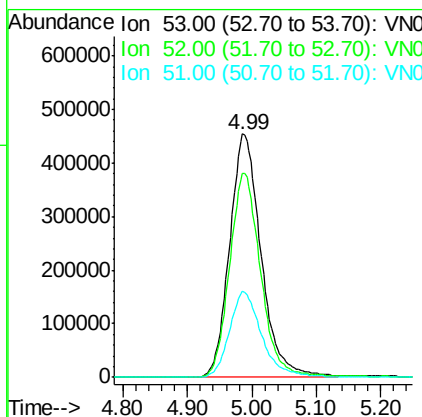
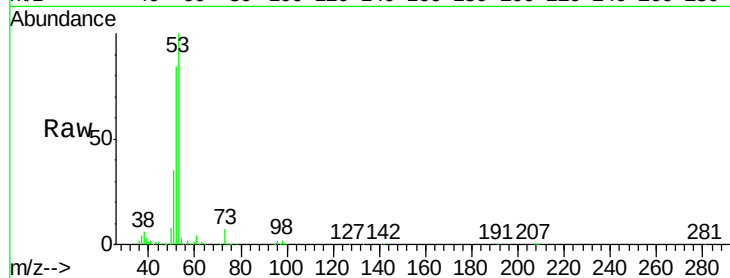
#15
 Acrylonitrile
 Concen: 259.216 ug/l
 RT: 4.99 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.6	100.0
51	36.1	29.8	44.8

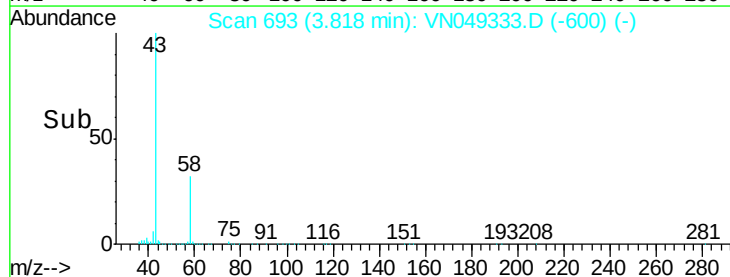
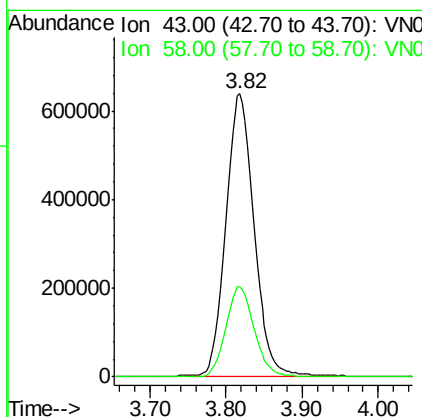
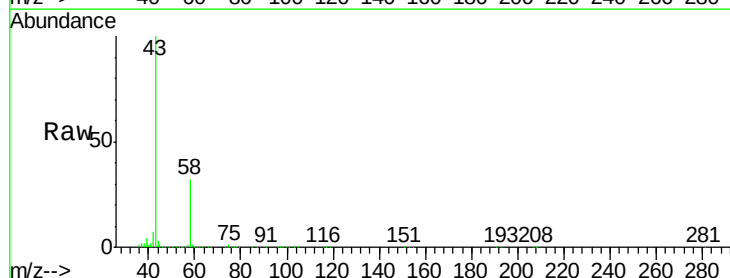
Manual Integrations
 APPROVED

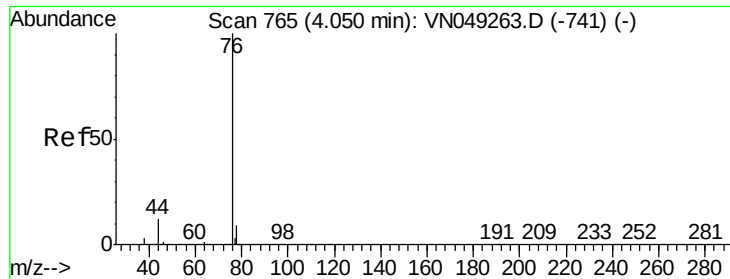
MMDadoda
 6/19/2018 1:55:40 PM



#16
 Acetone
 Concen: 329.822 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.9	22.4	33.6





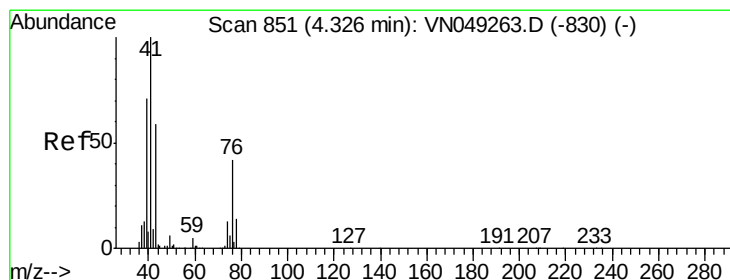
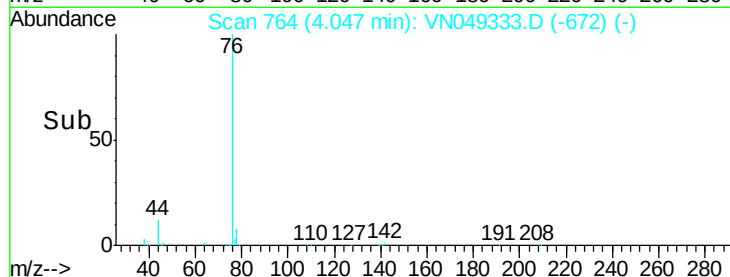
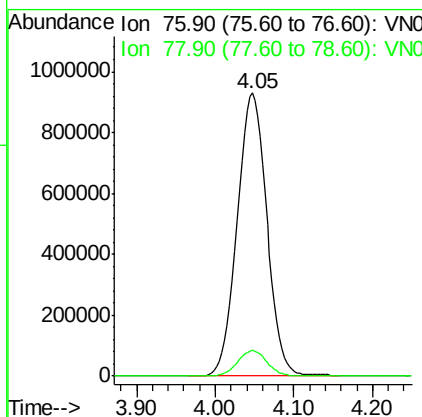
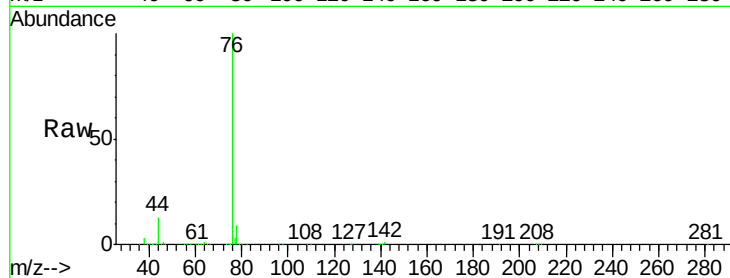
#17
Carbon Disulfide
Concen: 44.536 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 2455335
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

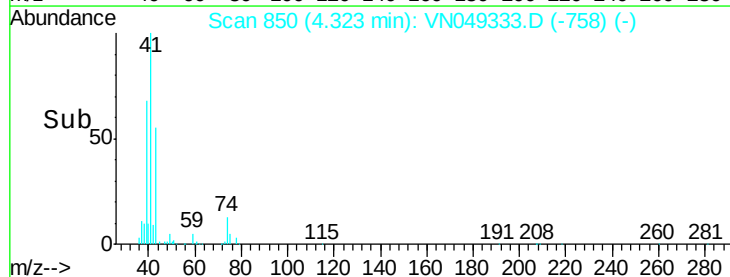
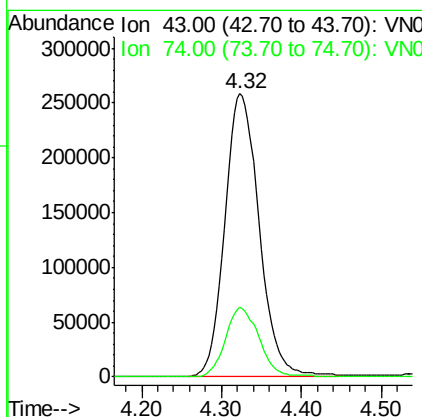
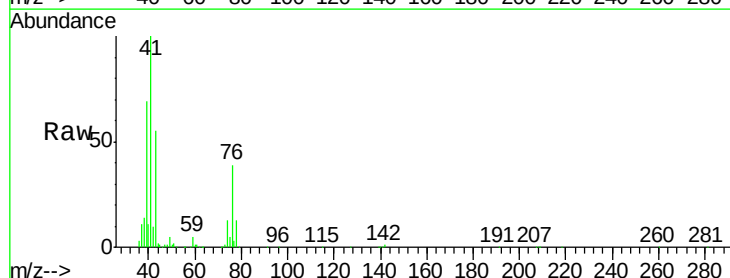
Manual Integrations
APPROVED

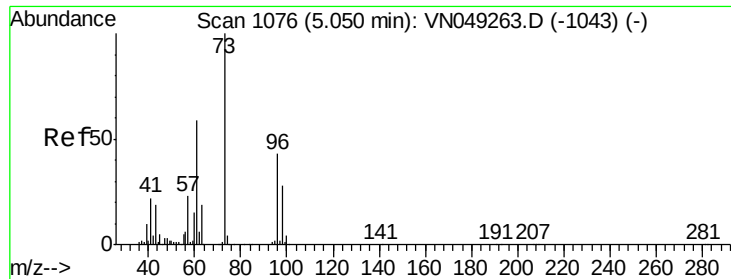
MMDadoda
6/19/2018 1:55:40 PM



#18
Methyl Acetate
Concen: 49.777 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Tgt Ion: 43 Resp: 749806
Ion Ratio Lower Upper
43 100
74 24.4 17.4 26.0





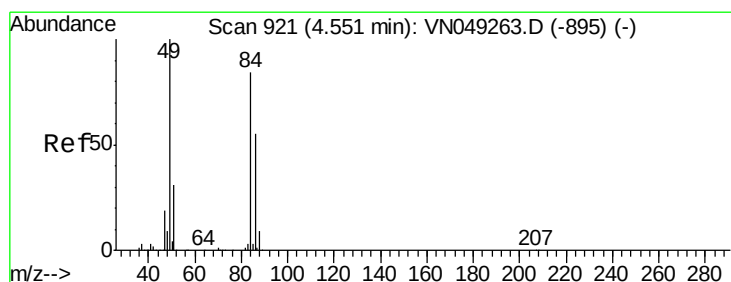
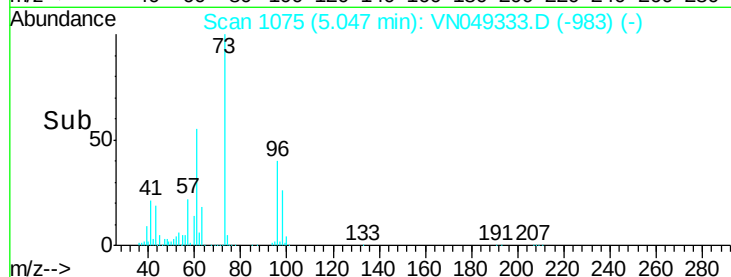
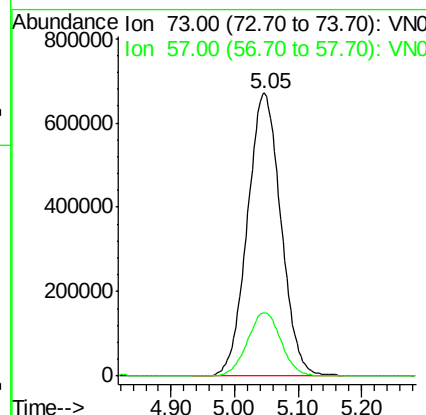
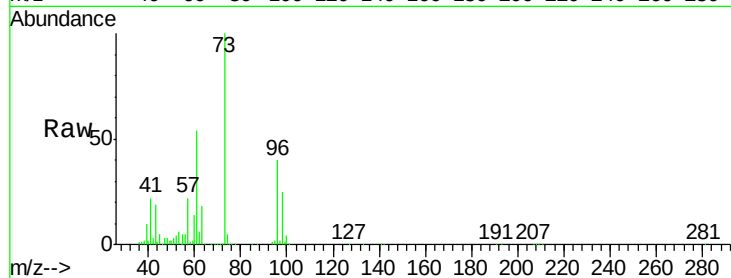
#19
Methyl tert-butyl Ether
Concen: 54.741 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 2454939
Ion Ratio Lower Upper
73 100
57 22.4 18.2 27.4

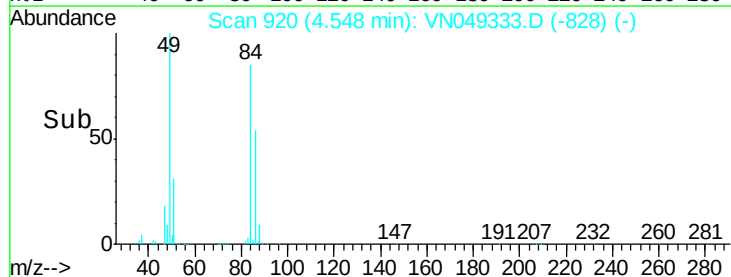
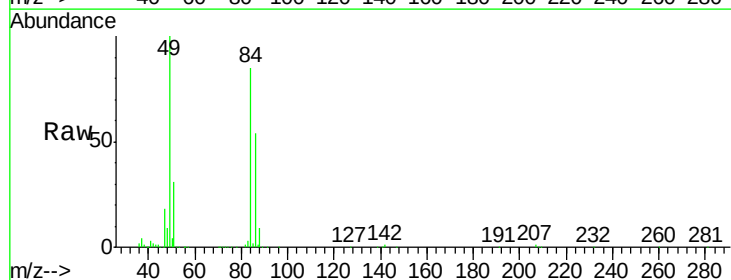
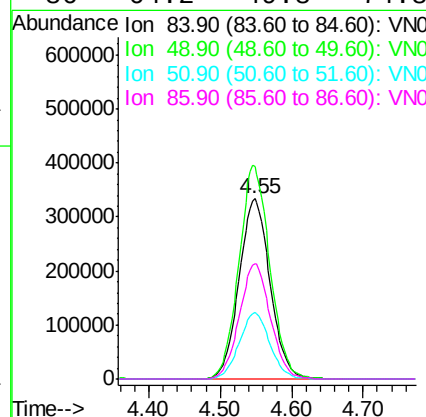
Manual Integrations
APPROVED

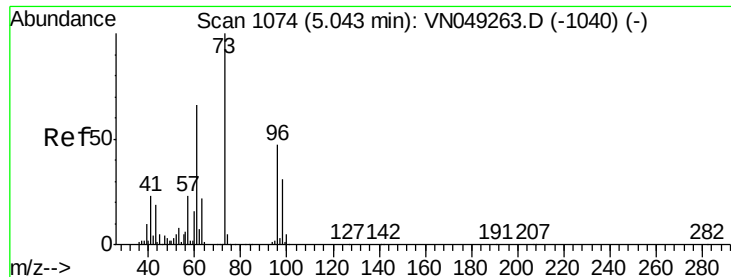
MMDadoda
6/19/2018 1:55:40 PM



#20
Methylene Chloride
Concen: 49.031 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Tgt Ion: 84 Resp: 1011667
Ion Ratio Lower Upper
84 100
49 117.9 106.9 160.3
51 36.7 32.7 49.1
86 64.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 49.008 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

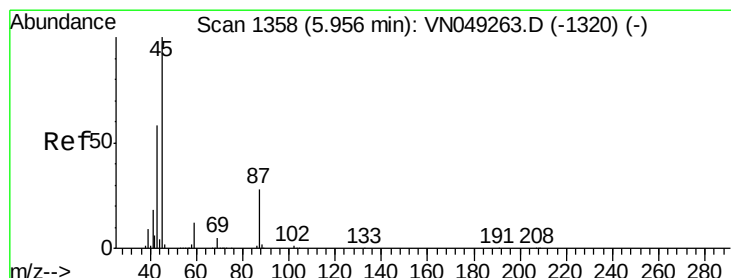
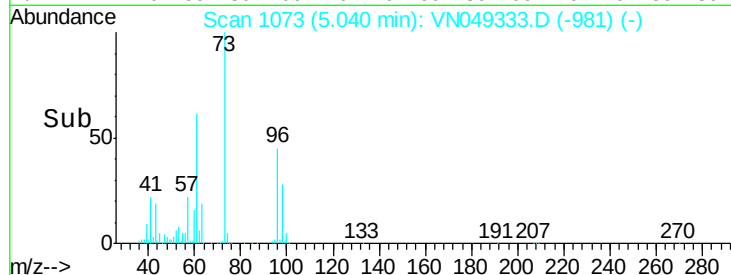
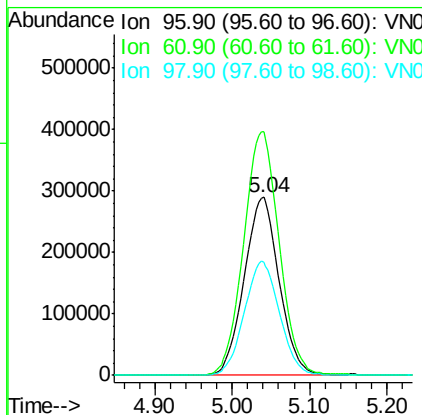
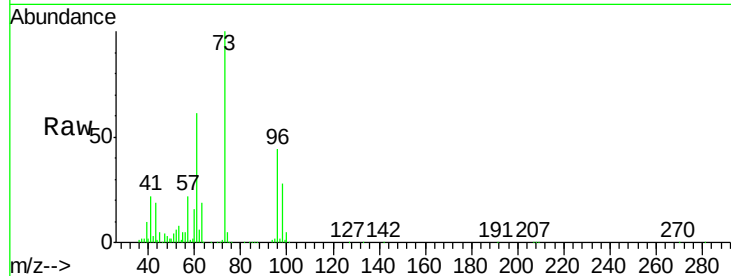
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	912623
Ion	Ratio	Lower	Upper
96	100		
61	136.8	121.3	181.9
98	63.8	52.0	78.0

Manual Integrations
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6/19/2018 1:55:40 PM



#22

Diisopropyl ether

Concen: 53.598 ug/l

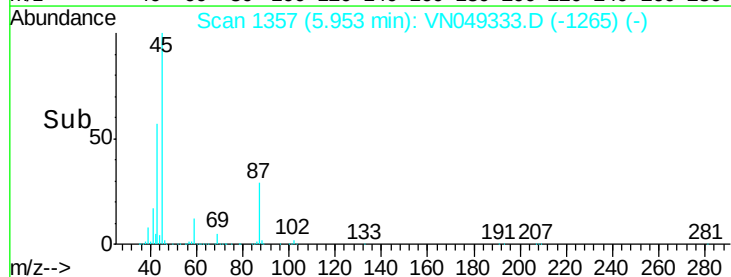
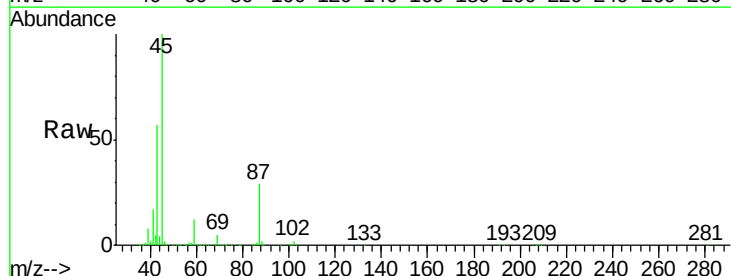
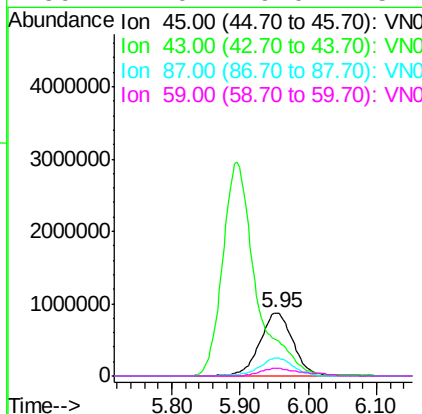
RT: 5.95 min Scan# 1357

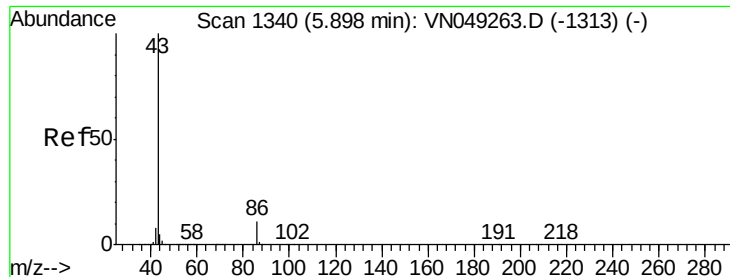
Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Tgt Ion:	45	Resp:	2972652
Ion	Ratio	Lower	Upper
45	100		
43	56.7	48.6	72.8
87	28.2	20.2	30.2
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 277.497 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Tot Ion: 43 Resp:10033085

Ion Ratio Lower Upper

43 100

86 10.7 7.2 10.8

Instrument :

MSVOA_N

ClientSampleId :

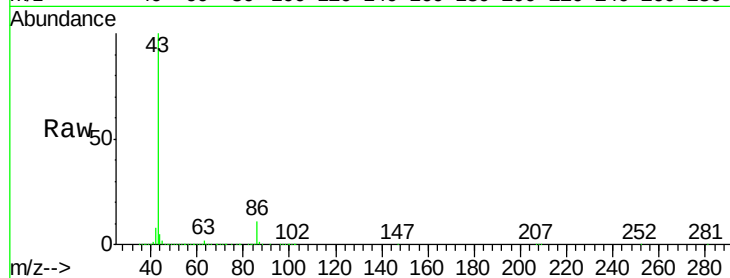
VSTDCCC050

Manual Integrations

APPROVED

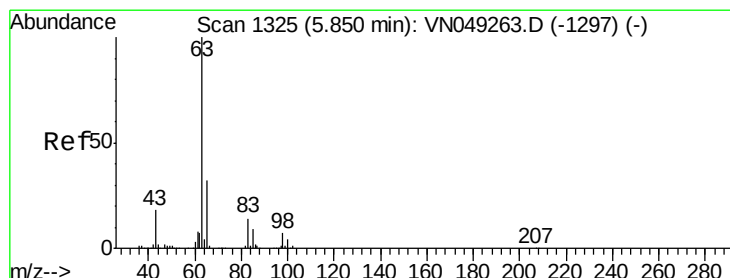
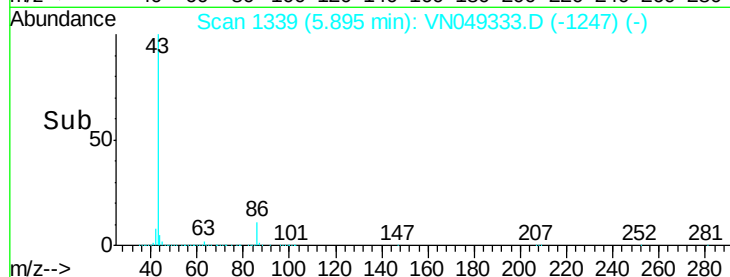
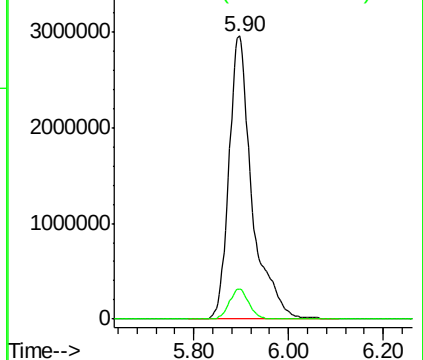
MMDadoda

6/19/2018 1:55:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.623 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

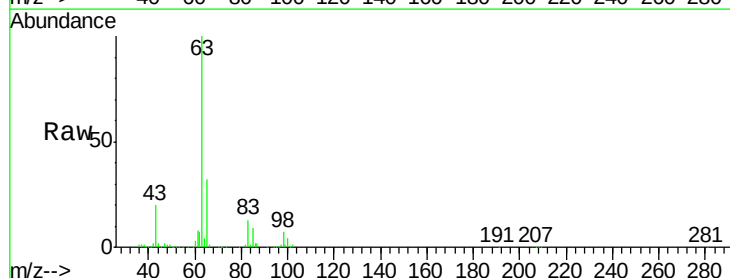
Tgt Ion: 63 Resp: 1761494

Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.8

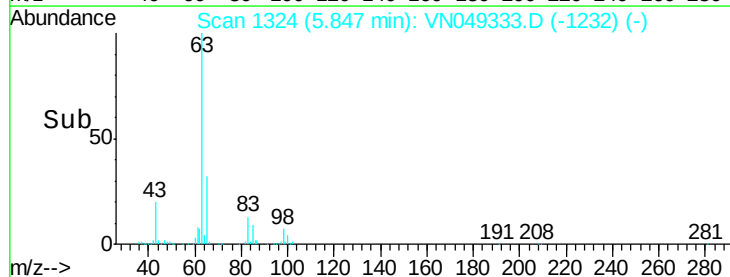
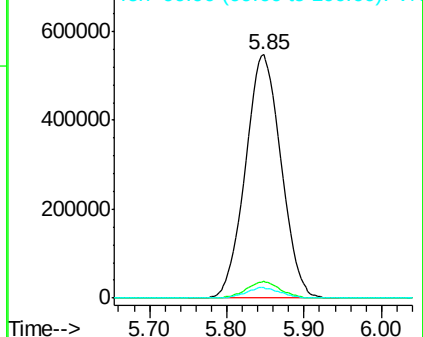
100 4.3 2.1 6.3

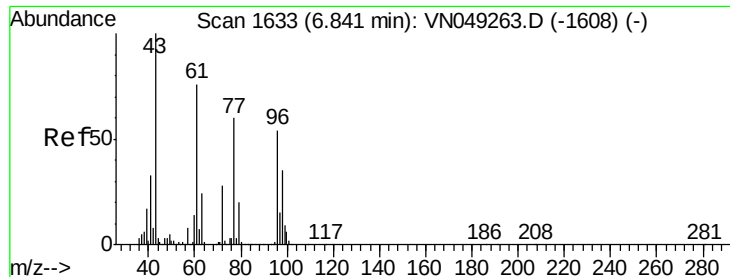


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





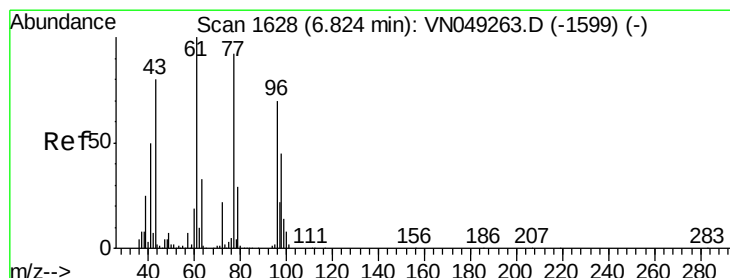
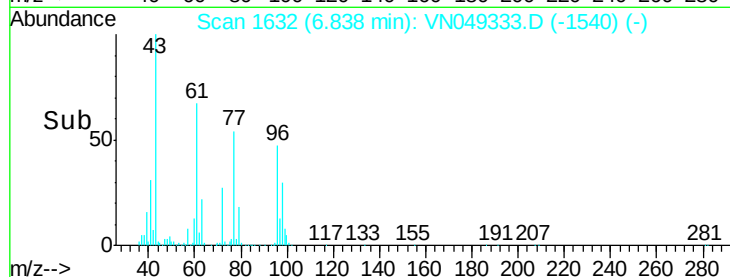
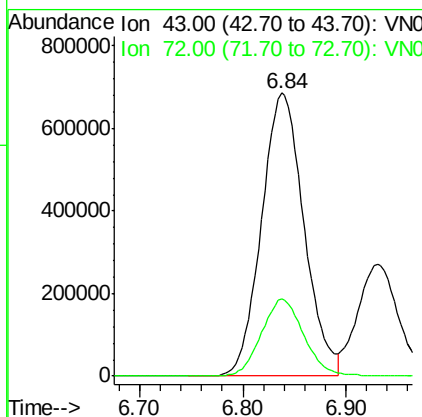
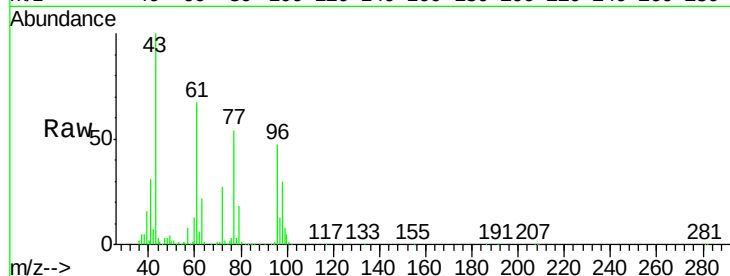
#25
2-Butanone
Concen: 294.858 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1955959
Ion Ratio Lower Upper
43 100
72 27.3 20.2 30.2

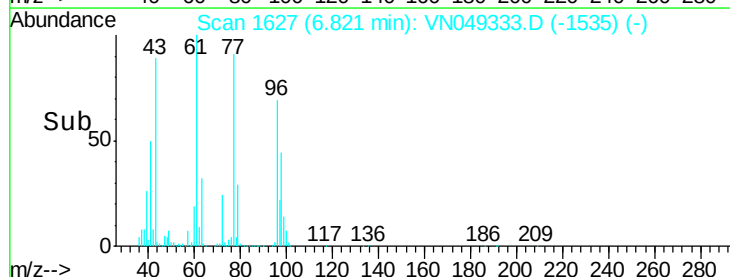
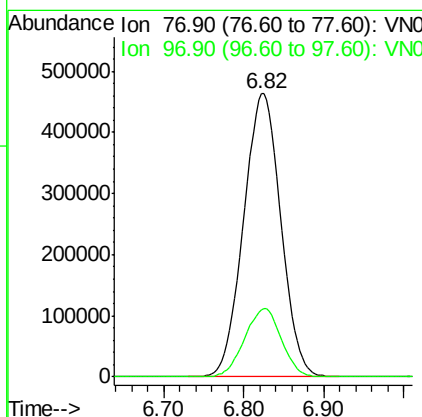
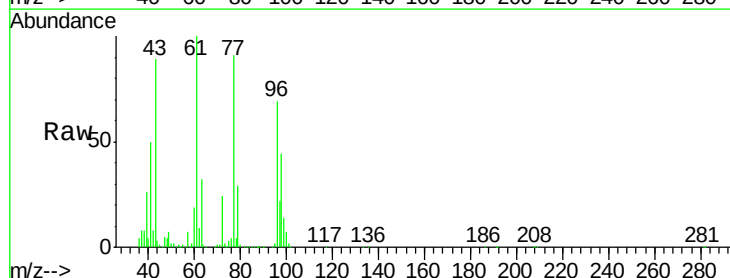
Manual Integrations
APPROVED

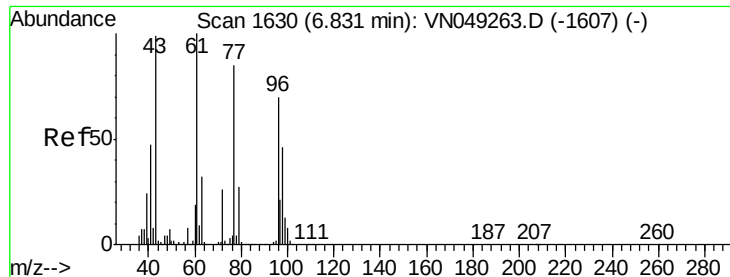
MMDadoda
6/19/2018 1:55:40 PM



#26
2,2-Dichloropropane
Concen: 51.314 ug/l
RT: 6.82 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Tgt Ion: 77 Resp: 1471063
Ion Ratio Lower Upper
77 100
97 23.9 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 51.568 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 1067623

Ion Ratio Lower Upper

96 100

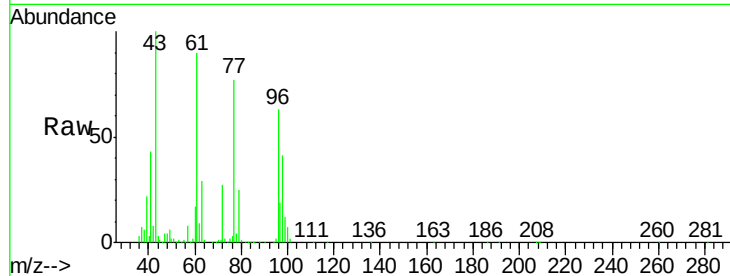
61 144.9 0.0 316.4

98 64.6 0.0 128.4

Manual Integrations
APPROVED

MMDadoda

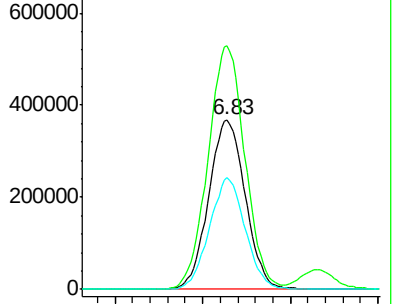
6/19/2018 1:55:40 PM



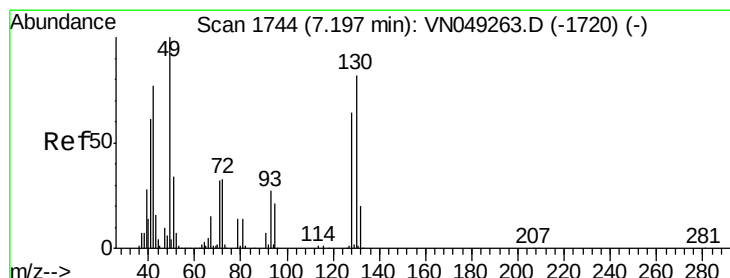
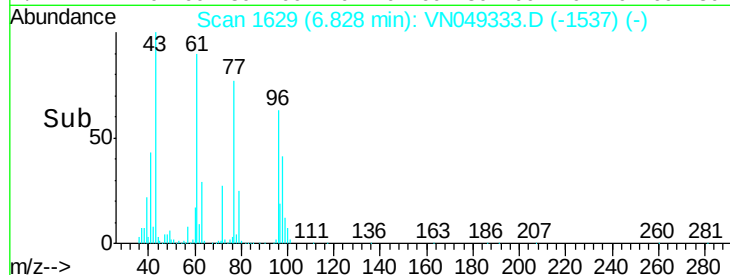
Abundance Ion 95.90 (95.60 to 96.60): VN049263.D (-1607) (-)

Ion 60.90 (60.60 to 61.60): VN049263.D (-1607) (-)

Ion 97.90 (97.60 to 98.60): VN049263.D (-1607) (-)



Time-->



#28

Bromochloromethane

Concen: 49.988 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

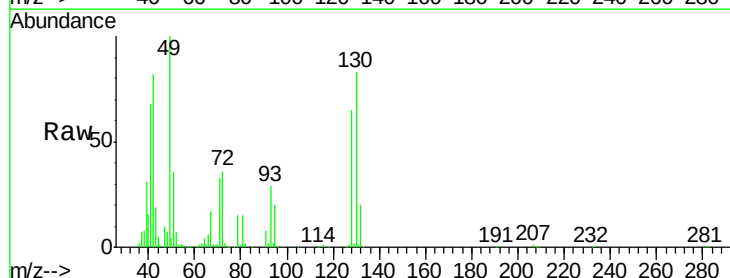
Tgt Ion: 49 Resp: 786701

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

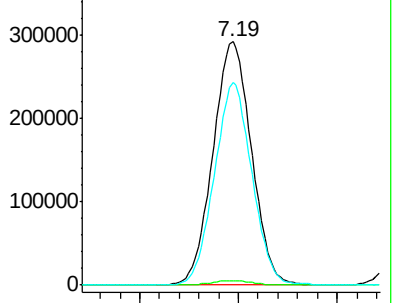
130 81.3 54.9 82.3



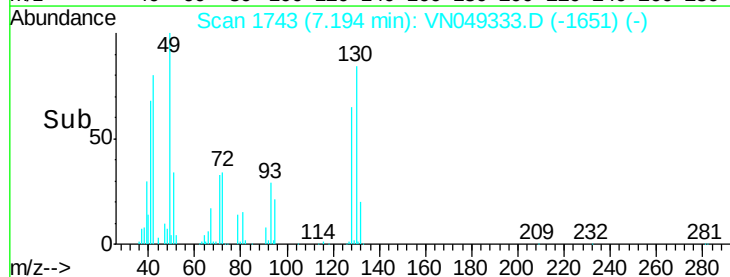
Abundance Ion 48.90 (48.60 to 49.60): VN049263.D (-1720) (-)

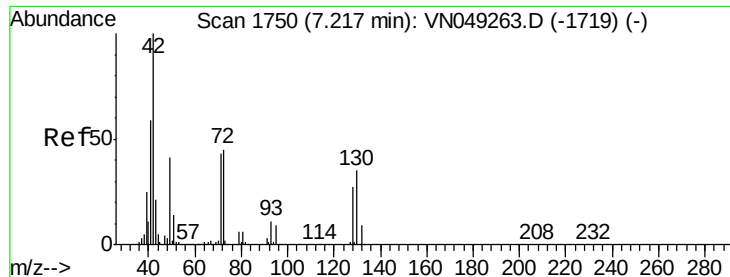
Ion 128.80 (128.50 to 129.50): VN049263.D (-1720) (-)

Ion 129.80 (129.50 to 130.50): VN049263.D (-1720) (-)



Time-->





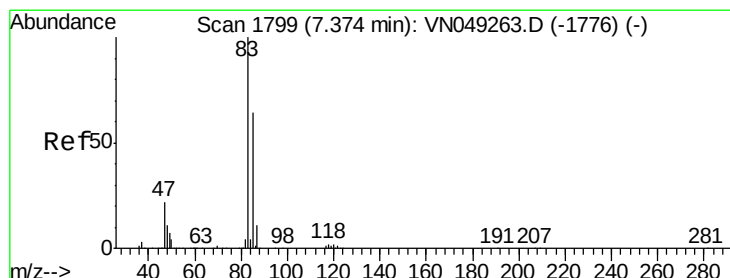
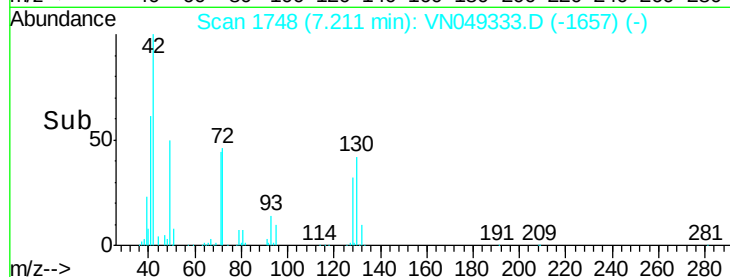
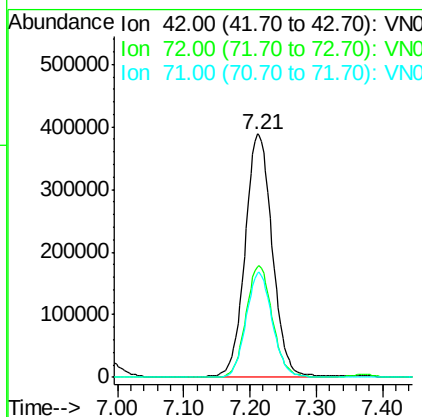
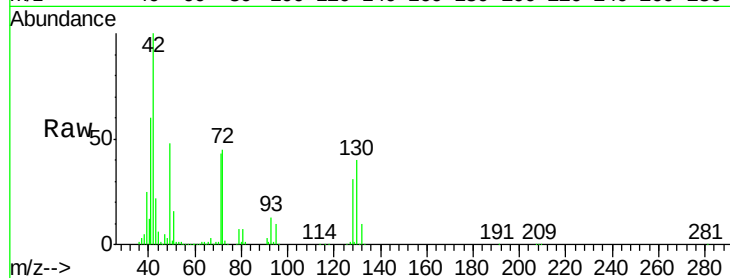
#29
Tetrahydrofuran
Concen: 258.080 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	32.2	48.4
71	41.9	30.5	45.7

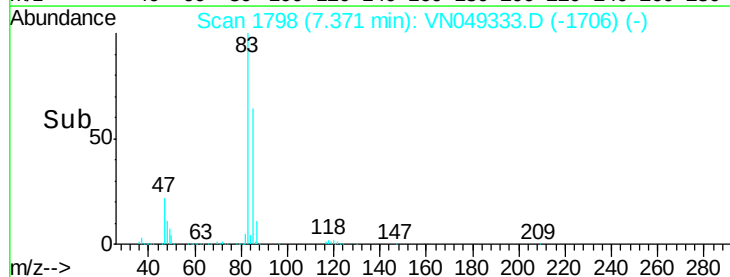
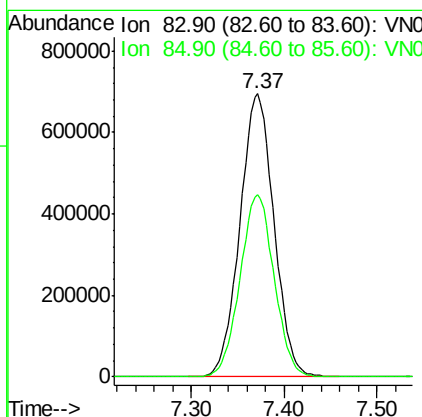
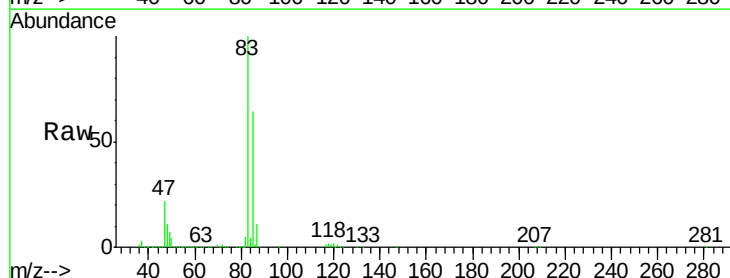
Manual Integrations
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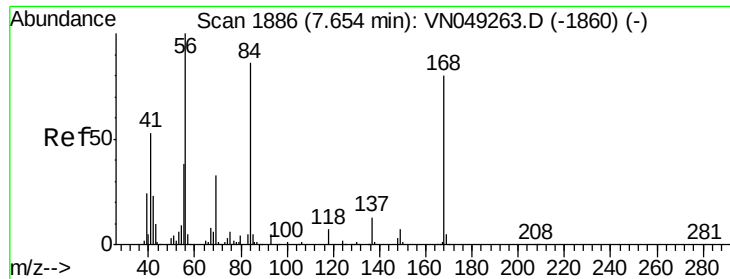
MMDadoda
6/19/2018 1:55:40 PM



#30
Chloroform
Concen: 50.121 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.7	77.5





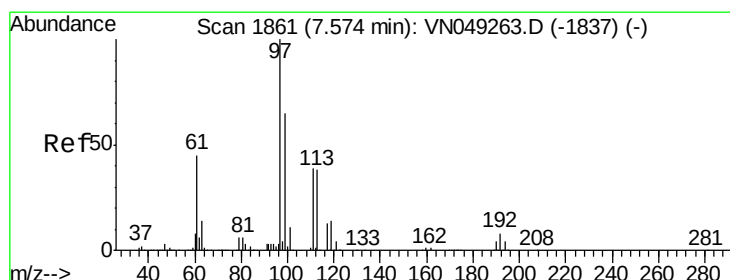
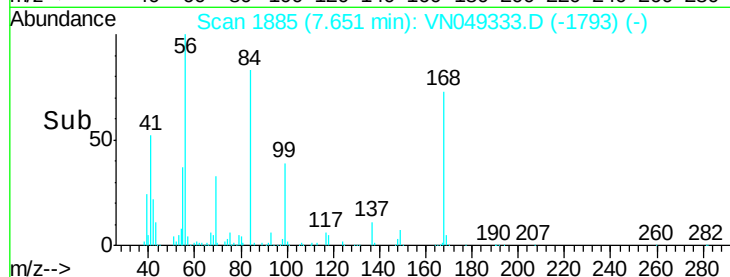
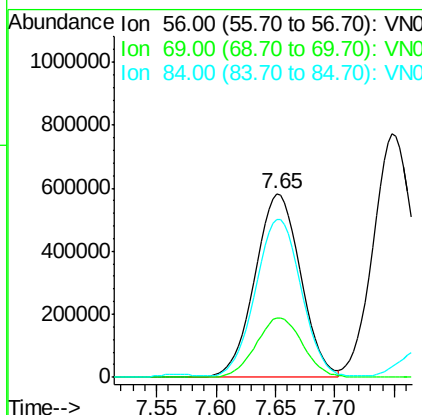
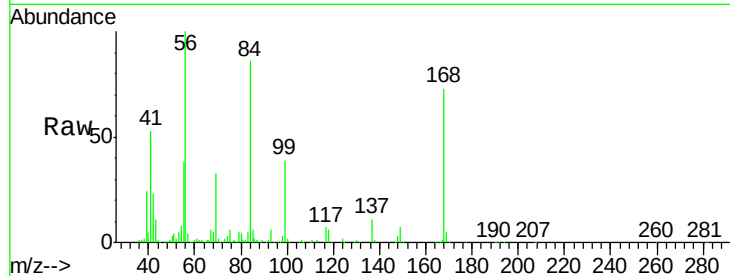
#31
Cyclohexane
Concen: 51.491 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.0	37.4
84	84.7	64.6	96.8

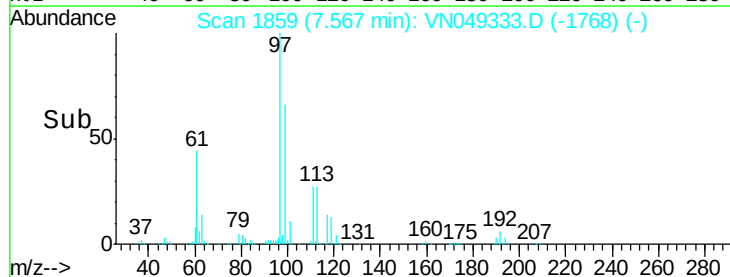
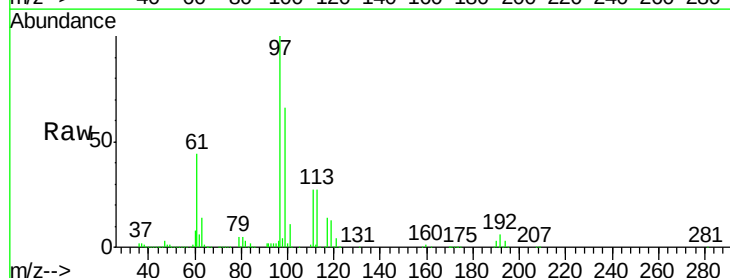
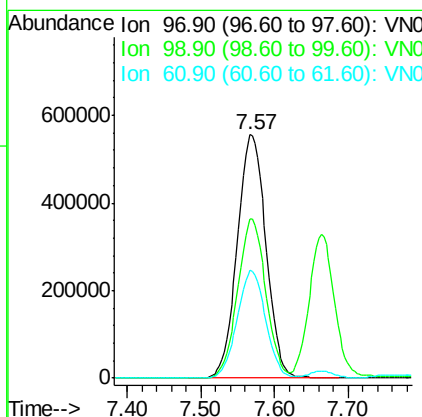
Manual Integrations
APPROVED

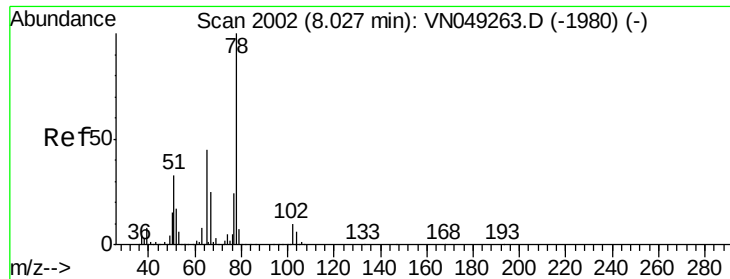
MMDadoda
6/19/2018 1:55:40 PM



#32
1,1,1-Trichloroethane
Concen: 50.122 ug/l
RT: 7.57 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.5	75.7
61	43.7	37.9	56.9





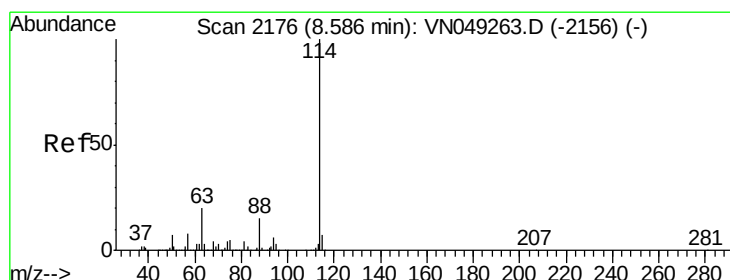
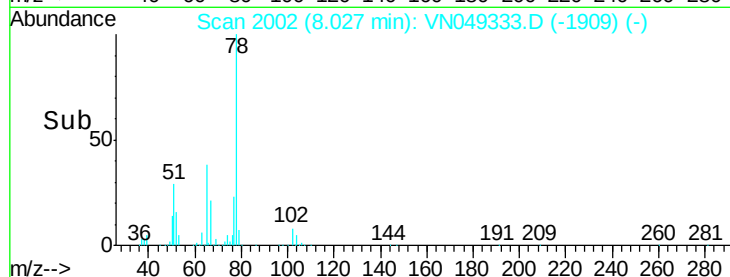
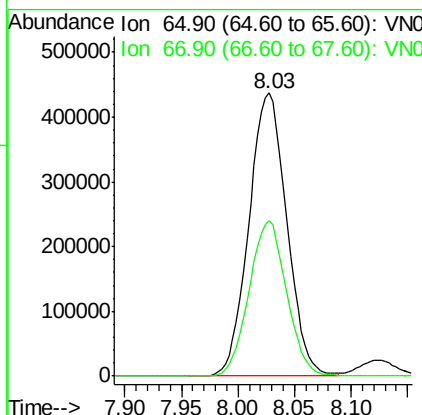
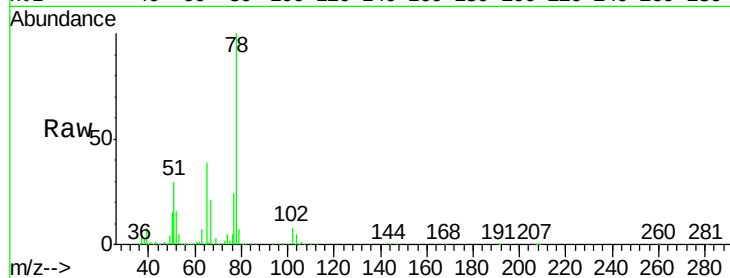
#33
 1,2-Dichloroethane-d4
 Concen: 49.975 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 1016828
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 103.8

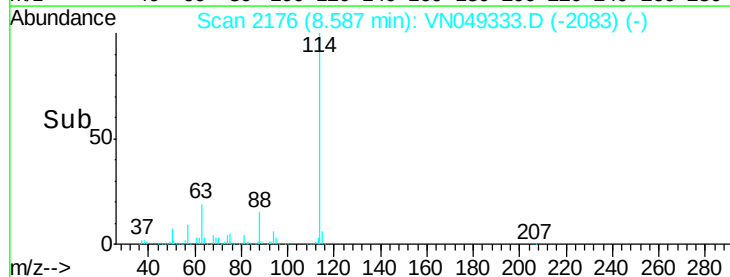
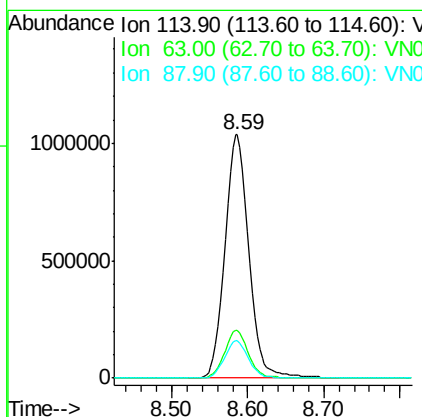
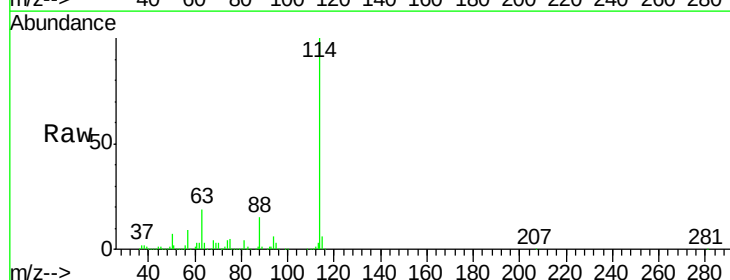
Manual Integrations
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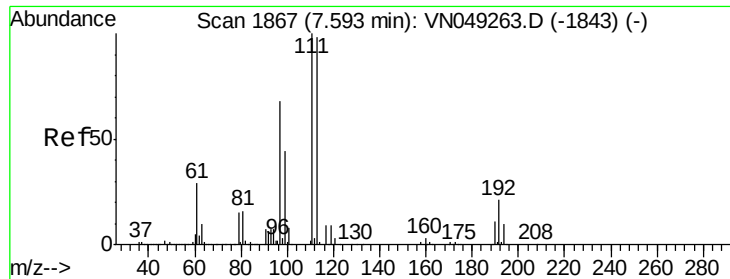
MMDadoda
 6/19/2018 1:55:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Tgt Ion: 114 Resp: 2270461
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 44.4
 88 15.4 0.0 31.4





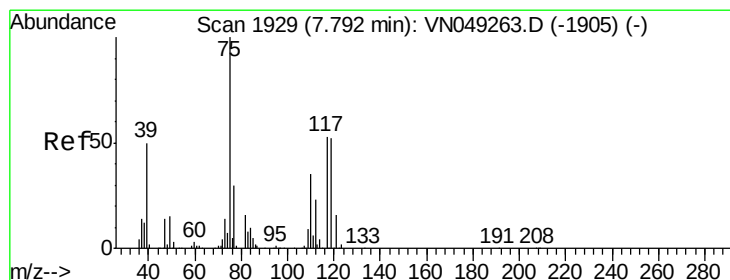
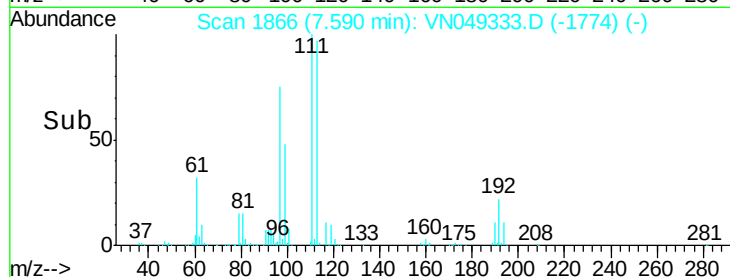
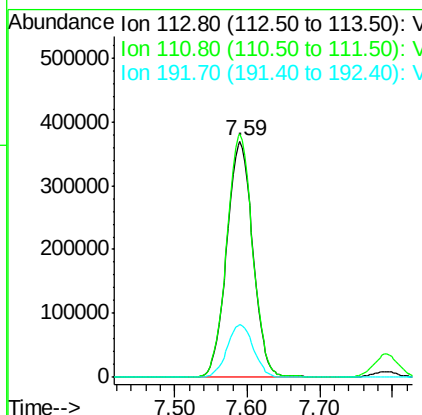
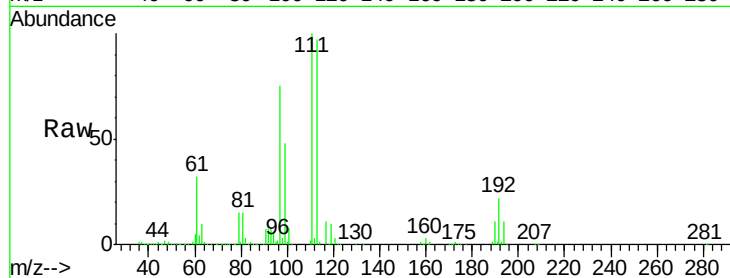
#35
 Dibromofluoromethane
 Concen: 50.464 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	926971		
111	102.3	82.4	123.6	
192	22.6	15.0	22.6	

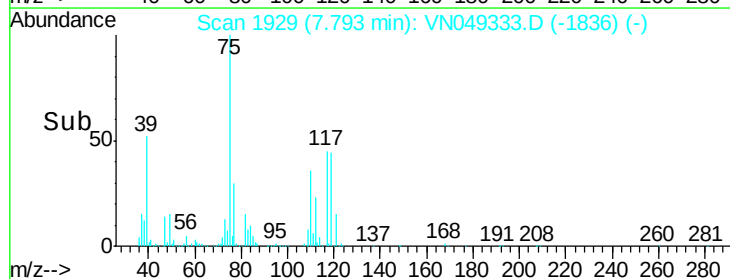
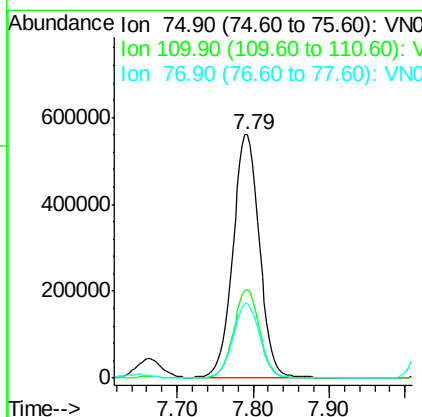
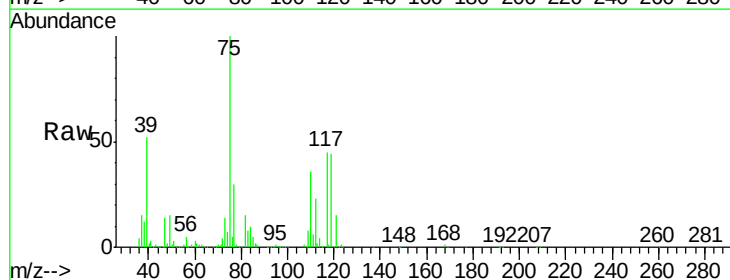
Manual Integrations
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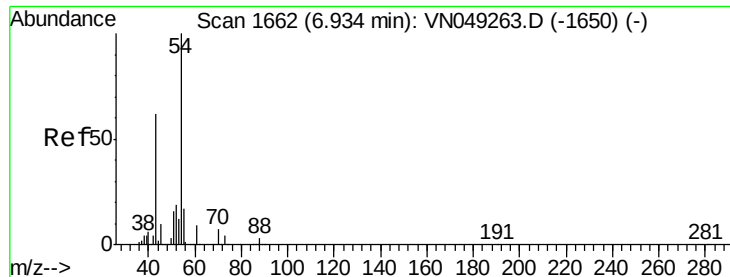
MMDadoda
 6/19/2018 1:55:40 PM



#36
 1,1-Dichloropropene
 Concen: 52.245 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1359517		
110	35.7	17.0	50.9	
77	30.8	24.4	36.6	





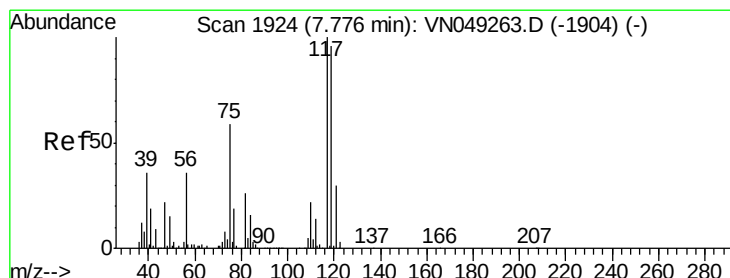
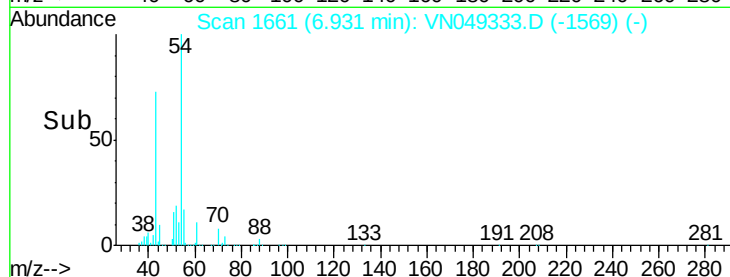
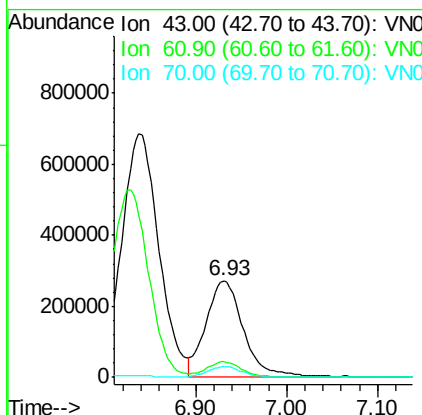
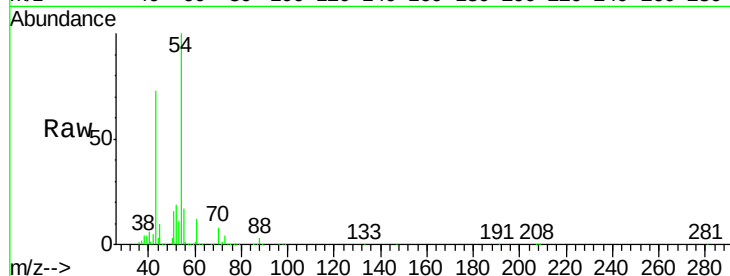
#37
Ethyl Acetate
Concen: 54.144 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.0	16.4
70	10.9	7.2	10.8

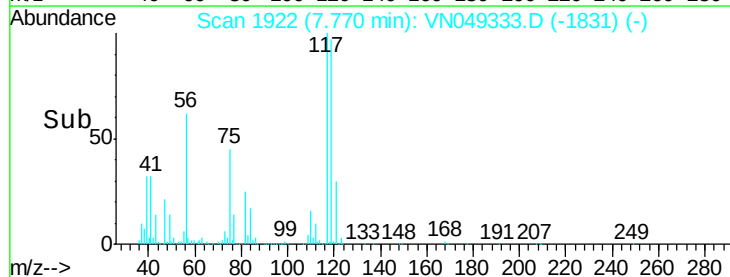
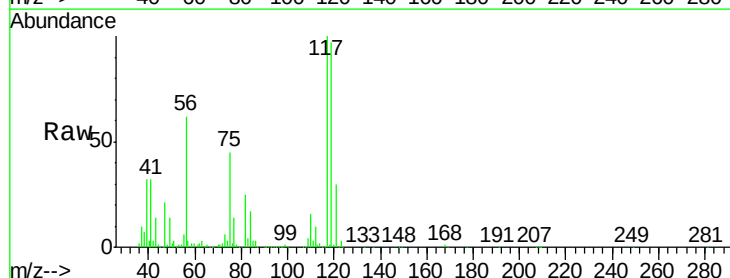
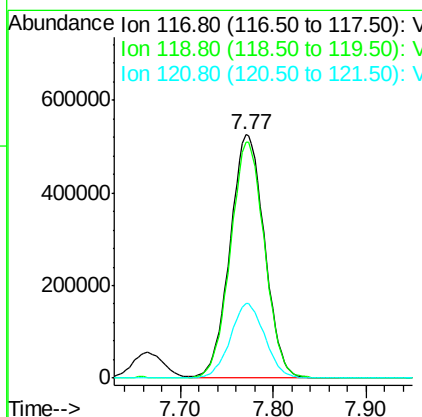
Manual Integrations
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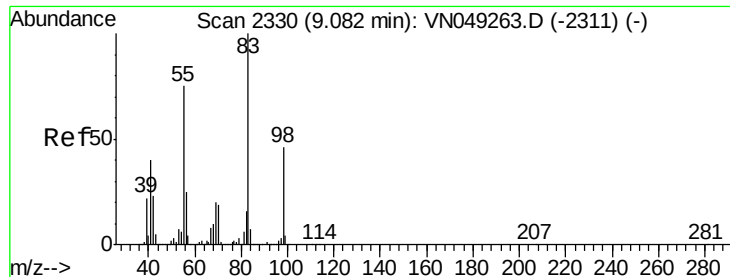
MMDadoda
6/19/2018 1:55:40 PM



#38
Carbon Tetrachloride
Concen: 50.144 ug/l
RT: 7.77 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.6	113.4
121	30.5	24.7	37.1





#39

Methylvlcyclohexane

Concen: 53.483 ug/l

RT: 9.08 min Scan# 2329

Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1493944

Ion Ratio Lower Upper

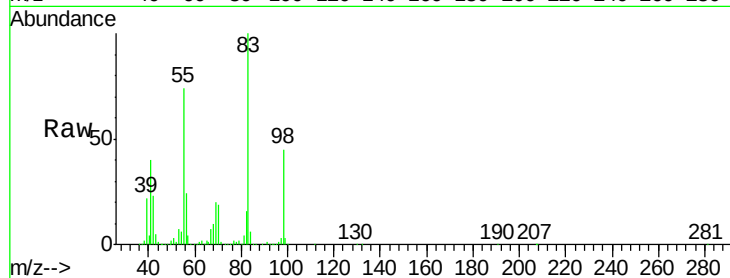
83 100

55 74.2 65.1 97.7

98 44.6 36.5 54.7

Manual Integrations
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MMDadoda
6/19/2018 1:55:40 PM



Abundance Ion 83.00 (82.70 to 83.70): VN049263.D (-2311) (-)

Ion 55.00 (54.70 to 55.70): VN049263.D (-2311) (-)

Ion 98.00 (97.70 to 98.70): VN049263.D (-2311) (-)

800000

600000

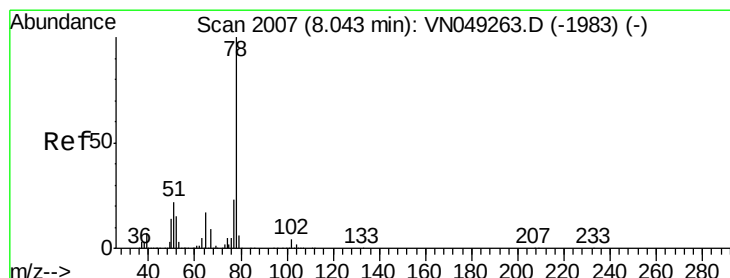
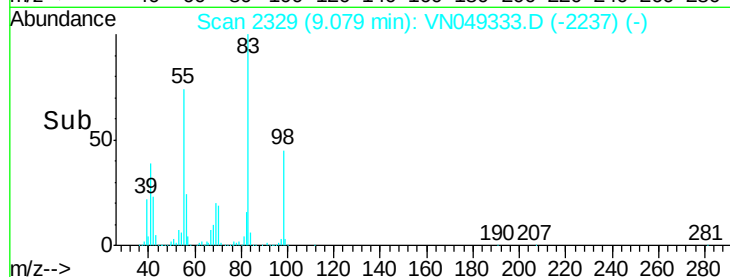
400000

200000

0

9.00 9.10 9.20

Time-->



#40

Benzene

Concen: 50.591 ug/l

RT: 8.04 min Scan# 2006

Delta R.T. -0.00 min

Lab File: VN049333.D

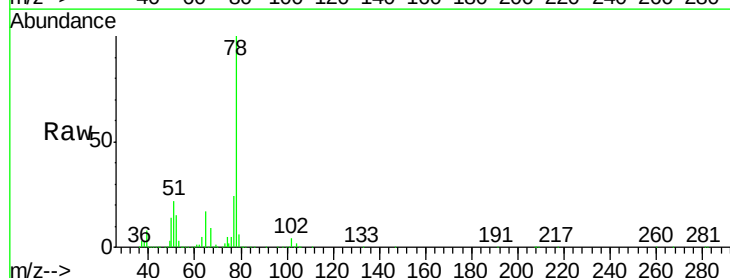
Acq: 18 Jun 2018 10:35

Tgt Ion: 78 Resp: 4036015

Ion Ratio Lower Upper

78 100

77 23.5 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VN049263.D (-1983) (-)

Ion 77.00 (76.70 to 77.70): VN049263.D (-1983) (-)

2000000

1500000

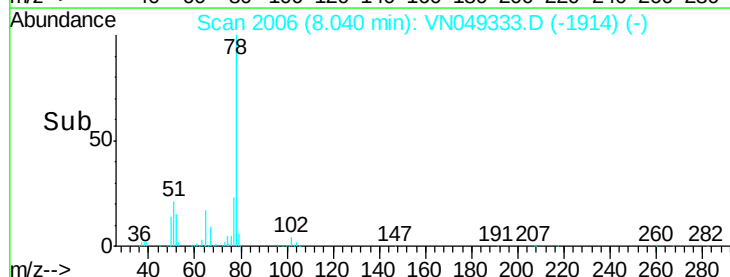
1000000

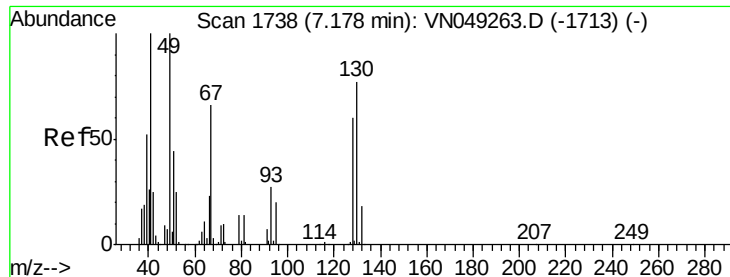
500000

0

7.90 8.00 8.10 8.20

Time-->





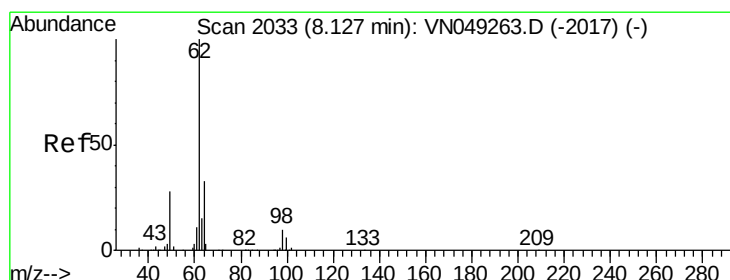
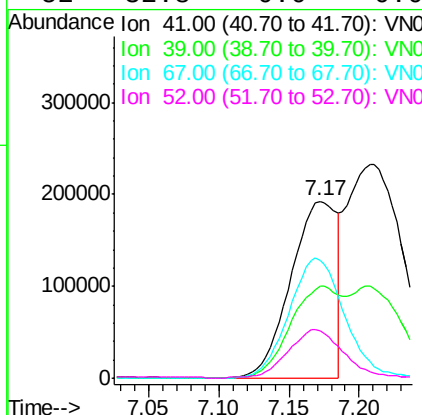
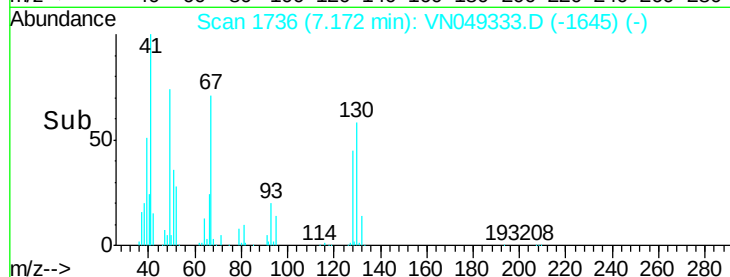
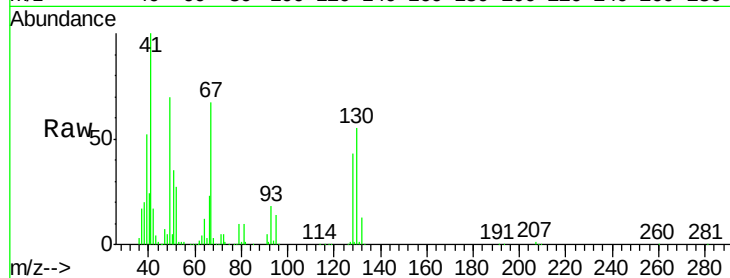
#41
Methacrylonitrile
Concen: 56.803 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	434418
Ion Ratio	Lower	Upper	
41	100		
39	56.1	0.0	0.0#
67	82.6	0.0	0.0#
52	32.8	0.0	0.0#

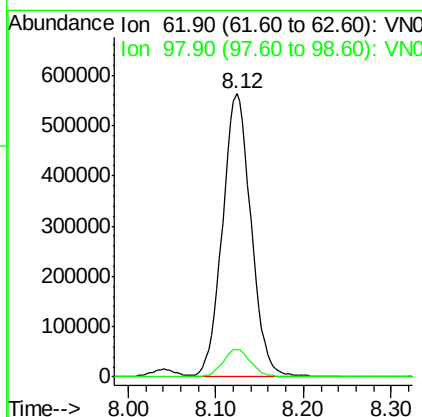
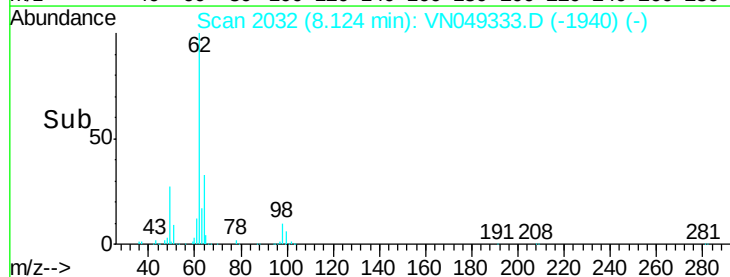
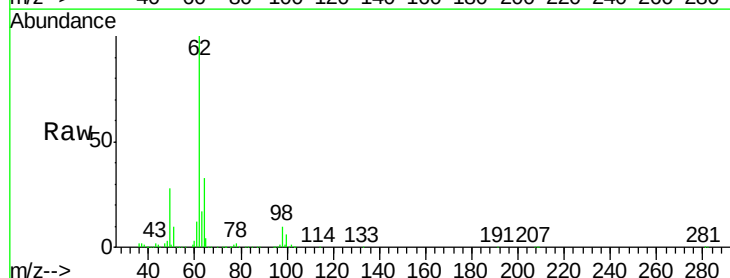
Manual Integrations
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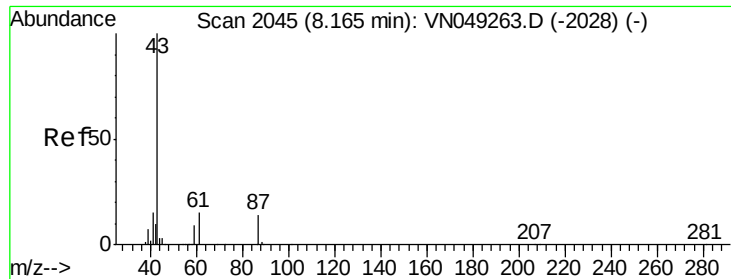
MMDadoda
6/19/2018 1:55:40 PM



#42
1,2-Dichloroethane
Concen: 51.577 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Tgt Ion	62	Resp	1271240
Ion Ratio	Lower	Upper	
62	100		
98	9.7	0.0	16.2





#43

Isopropyl Acetate

Concen: 52.422 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1416904

Ion Ratio Lower Upper

43 100

61 19.2 14.2 21.4

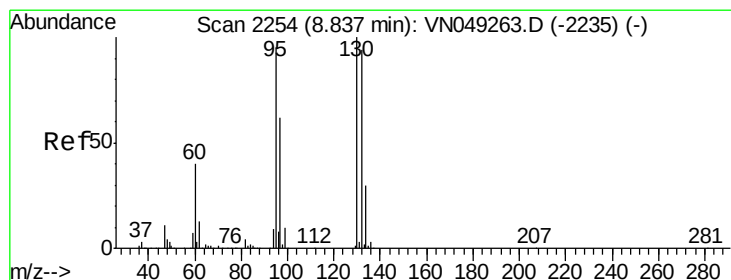
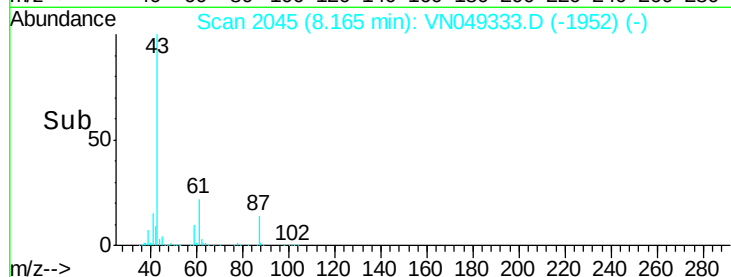
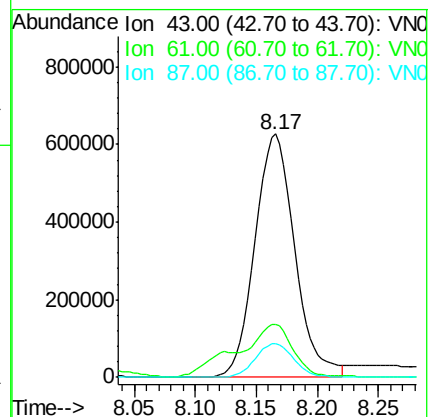
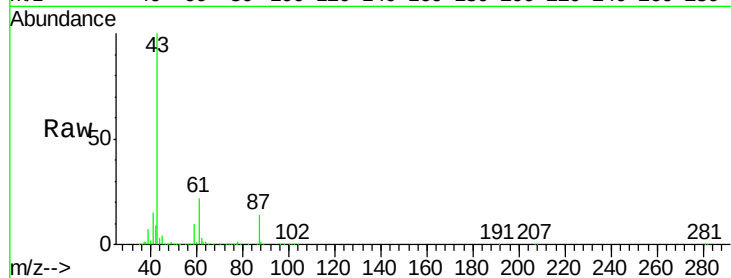
87 13.7 9.4 14.0

Manual Integrations

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6/19/2018 1:55:40 PM



#44

Trichloroethene

Concen: 51.566 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049333.D

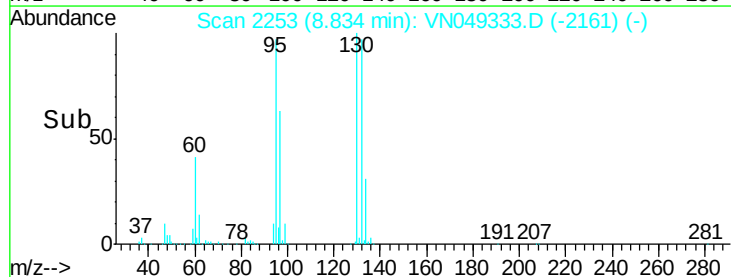
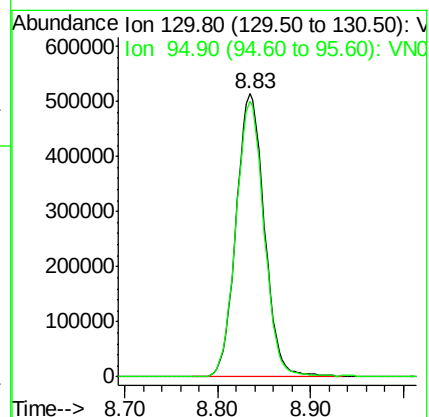
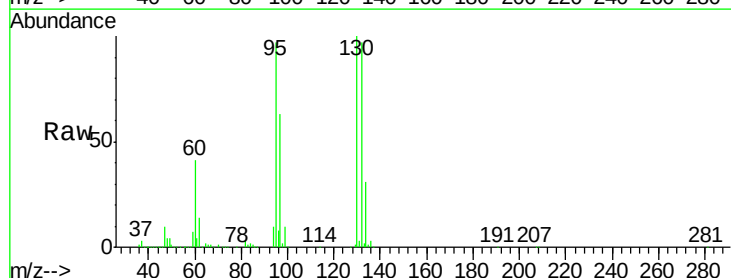
Acq: 18 Jun 2018 10:35

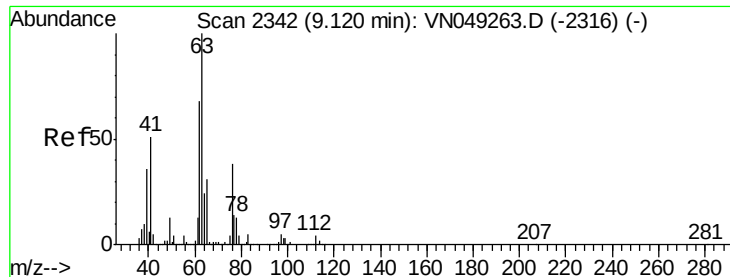
Tgt Ion:130 Resp: 1086357

Ion Ratio Lower Upper

130 100

95 97.4 0.0 208.6





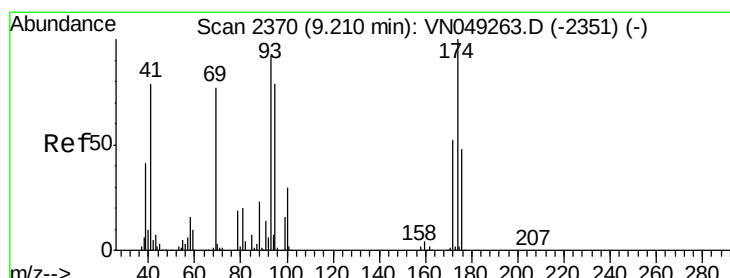
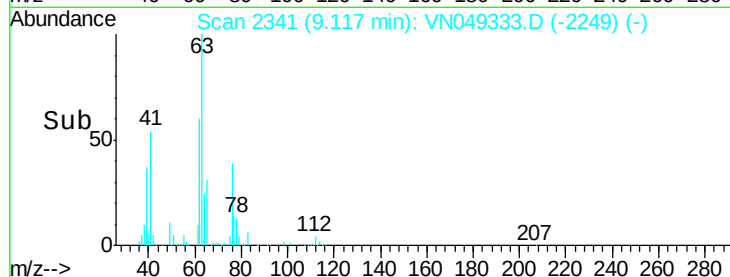
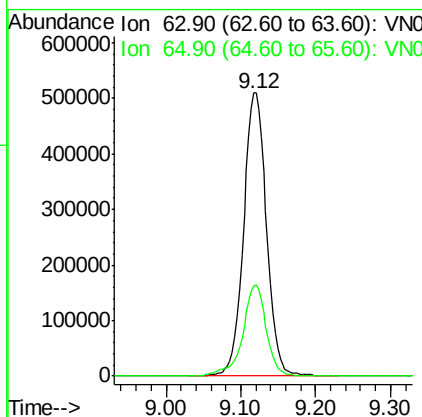
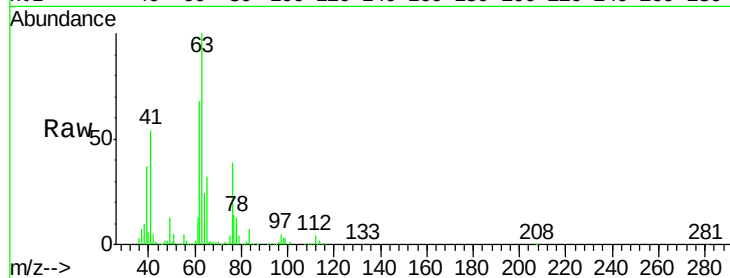
#45
 1,2-Dichloropropane
 Concen: 51.857 ug/l
 RT: 9.12 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 1083219
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.8 37.2

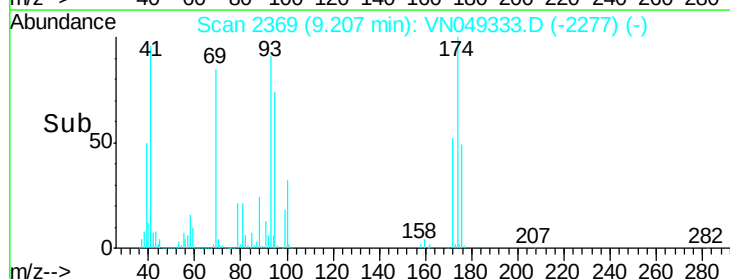
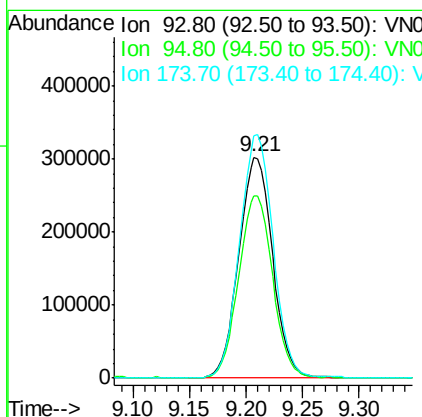
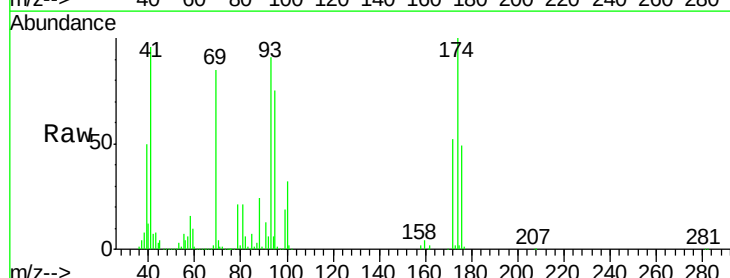
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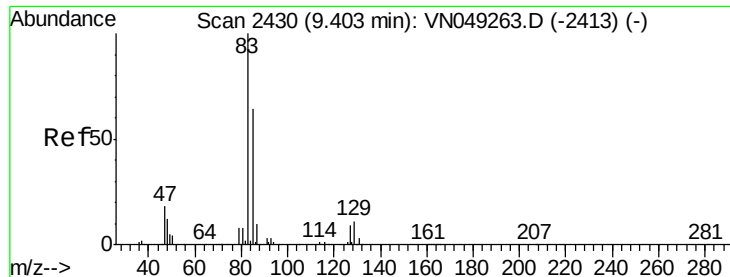
MMDadoda
 6/19/2018 1:55:40 PM



#46
 Dibromomethane
 Concen: 52.195 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Tgt Ion: 93 Resp: 632186
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.2 100.8
 174 109.7 75.6 113.4





#47

Bromodichloromethane

Concen: 51.936 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

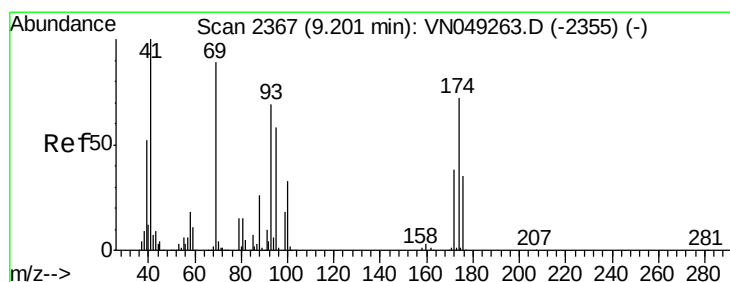
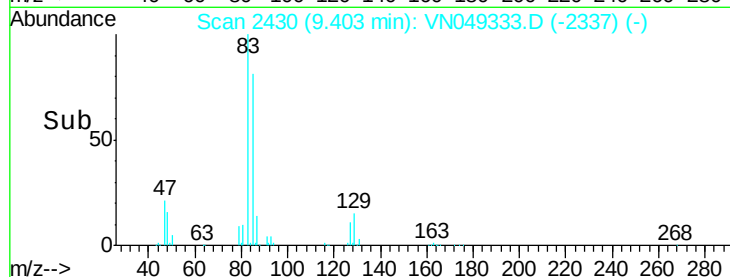
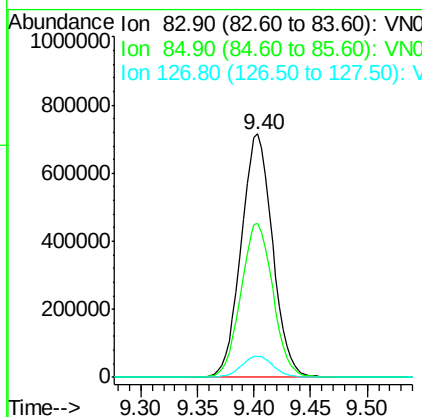
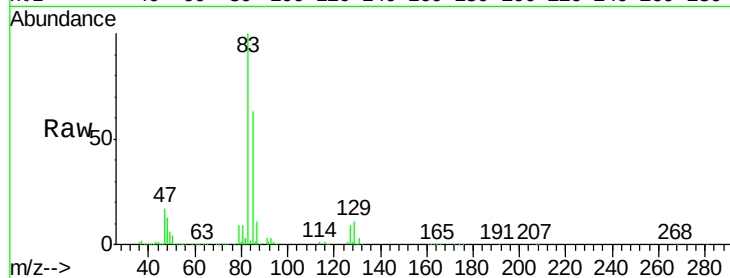
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	1382354
Ion	Ratio	Lower	Upper
83	100		
85	63.1	49.4	74.0
127	8.8	6.3	9.5

Manual Integrations
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MMDadoda
6/19/2018 1:55:40 PM



#48

Methyl methacrylate

Concen: 55.902 ug/l

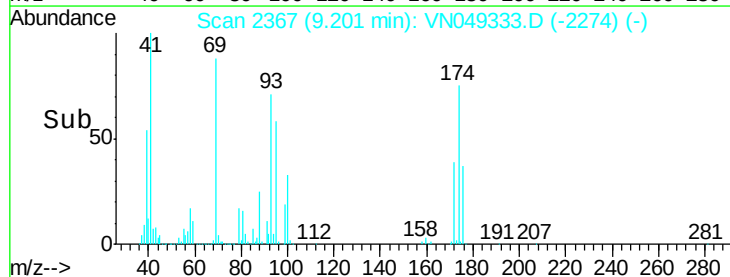
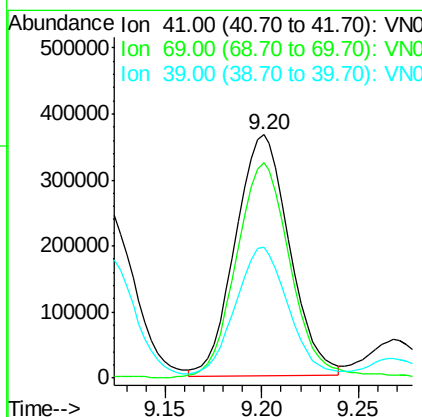
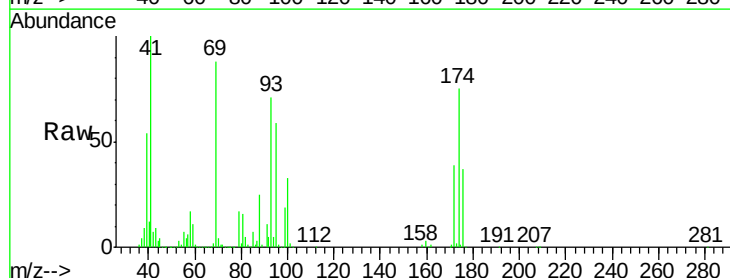
RT: 9.20 min Scan# 2367

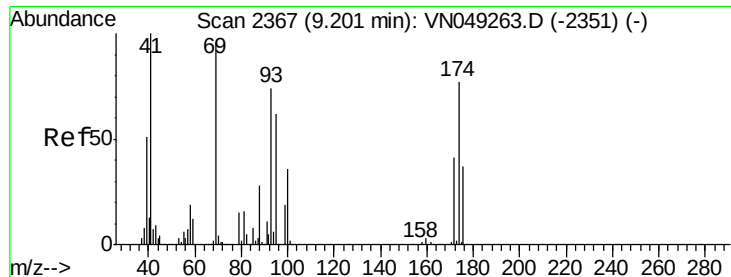
Delta R.T. 0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Tgt Ion:	41	Resp:	711537
Ion	Ratio	Lower	Upper
41	100		
69	88.9	62.0	93.0
39	53.0	50.6	75.8





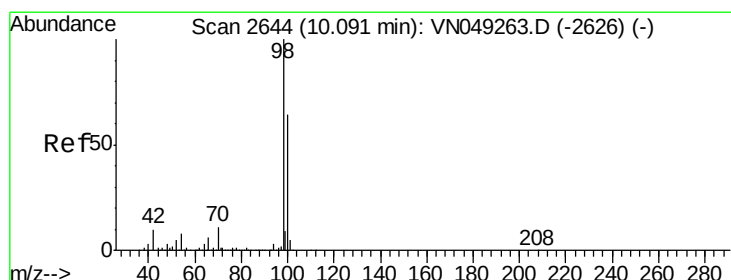
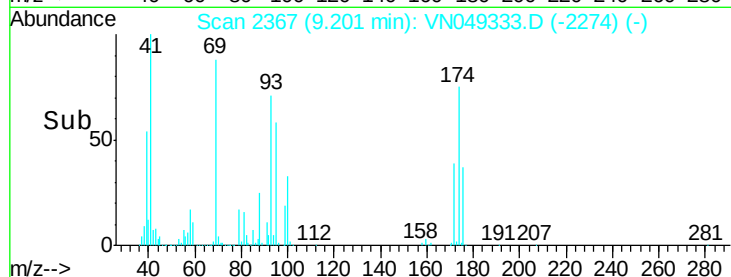
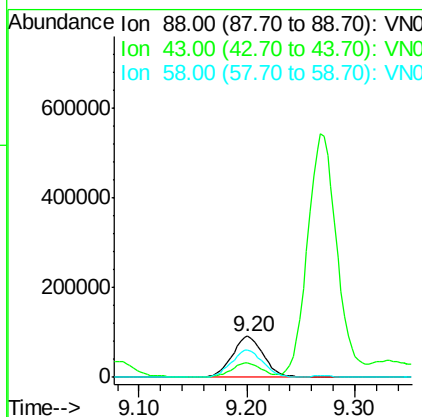
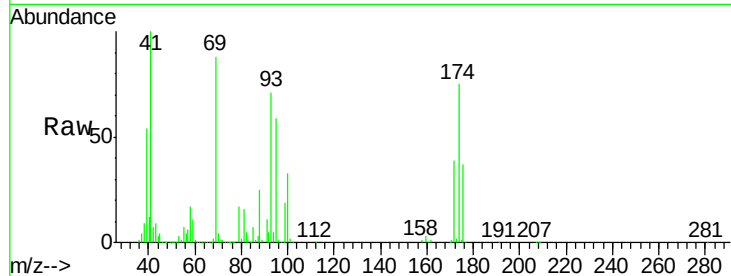
#49
1,4-Dioxane
Concen: 1062.947 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	30.9	46.3
58	67.6	58.9	88.3

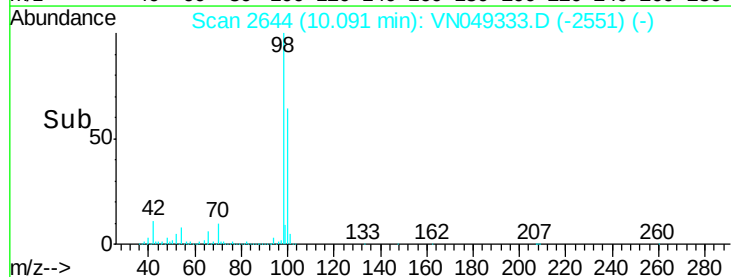
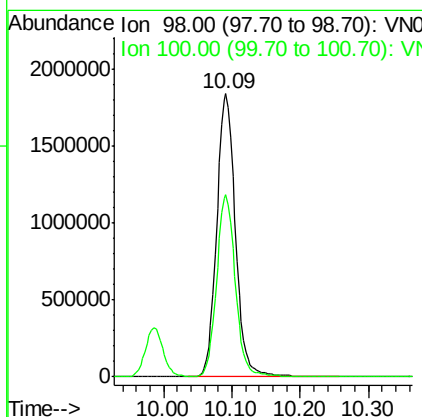
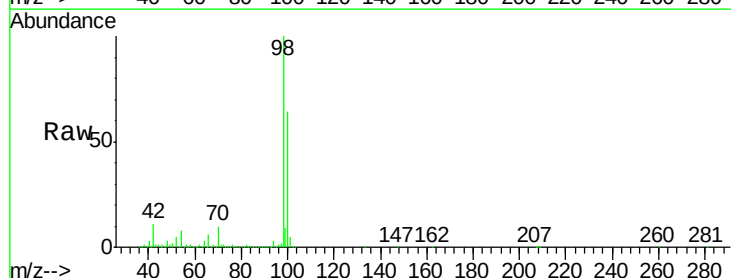
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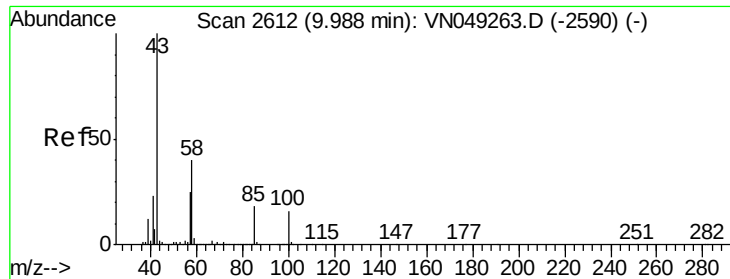
MMDadoda
6/19/2018 1:55:40 PM



#50
Toluene-d8
Concen: 50.204 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	49.8	74.8





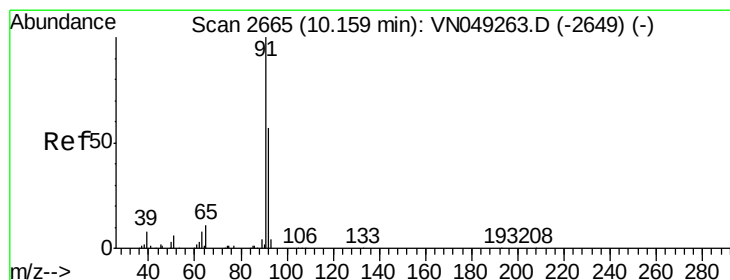
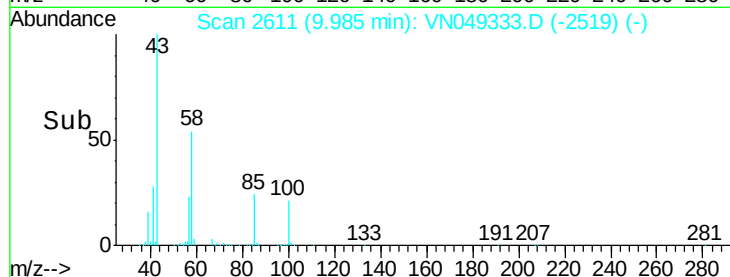
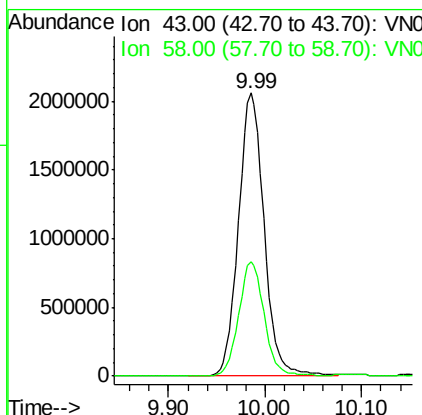
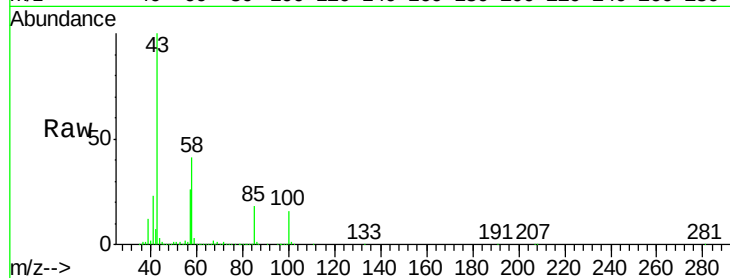
#51
4-Methyl-2-Pentanone
Concen: 267.721 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 3792544
Ion Ratio Lower Upper
43 100
58 40.3 29.0 43.6

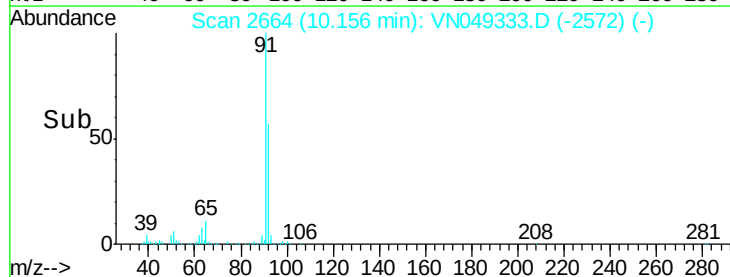
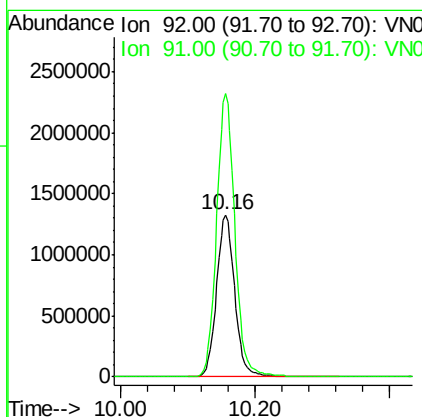
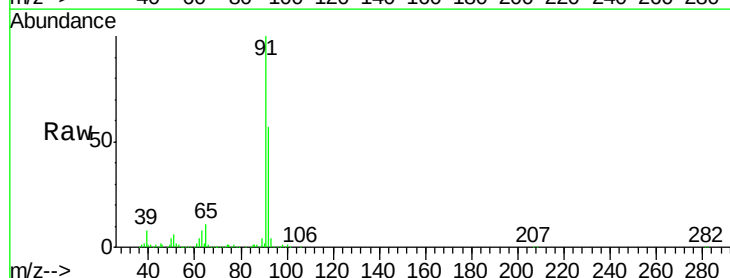
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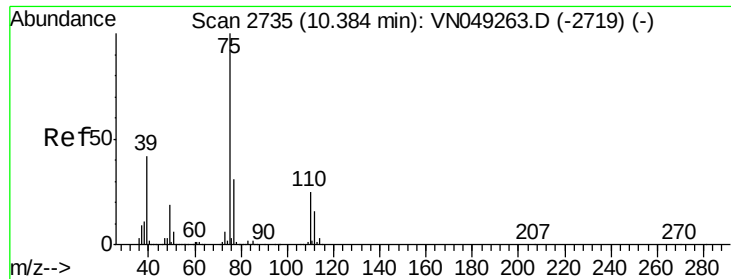
MMDadoda
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#52
Toluene
Concen: 53.555 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Tgt Ion: 92 Resp: 2507600
Ion Ratio Lower Upper
92 100
91 175.4 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 55.769 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 1420000

Ion Ratio Lower Upper

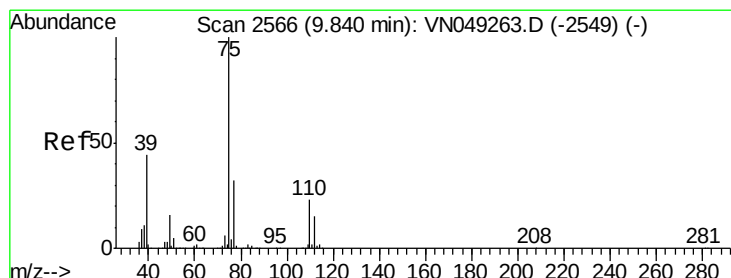
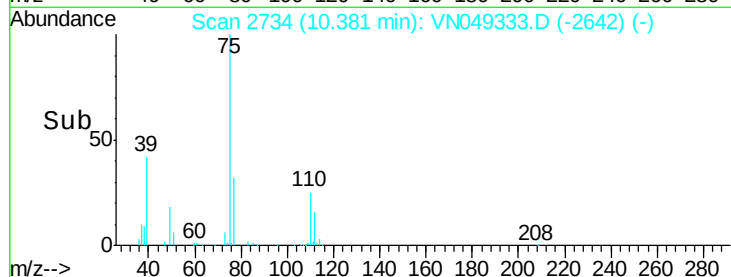
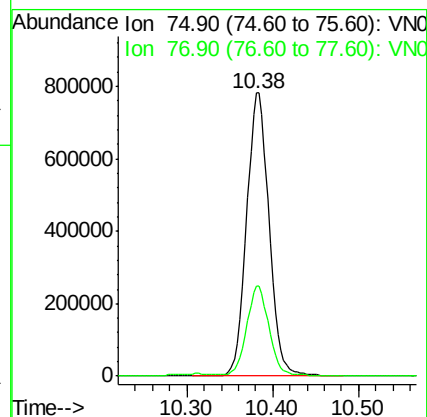
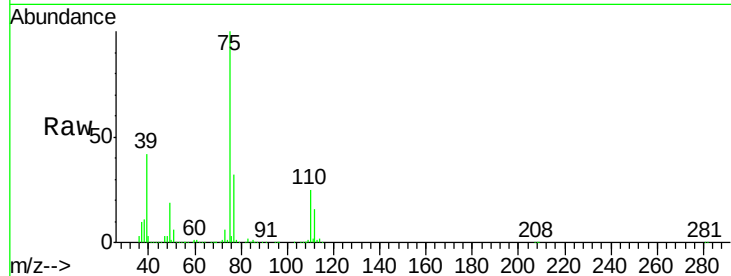
75 100

77 31.7 25.2 37.8

Manual Integrations
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6/19/2018 1:55:40 PM



#54

cis-1,3-Dichloropropene

Concen: 54.916 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

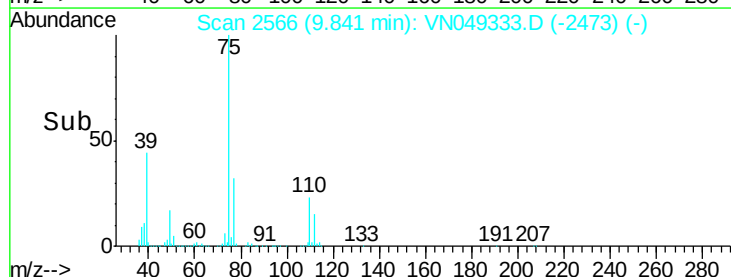
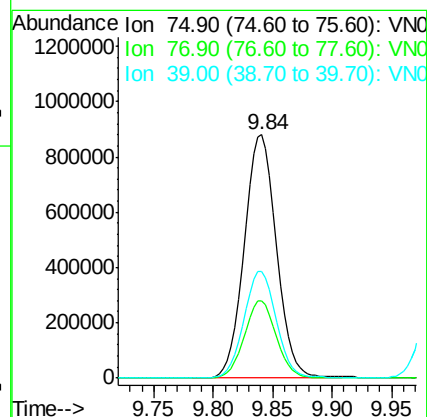
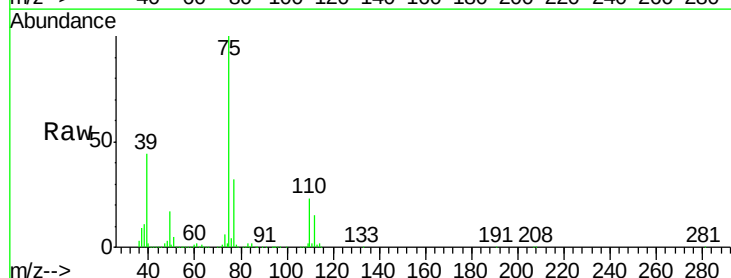
Tgt Ion: 75 Resp: 1651032

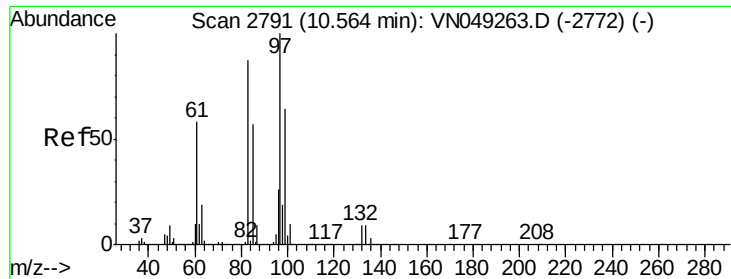
Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2

39 43.7 45.1 67.7#





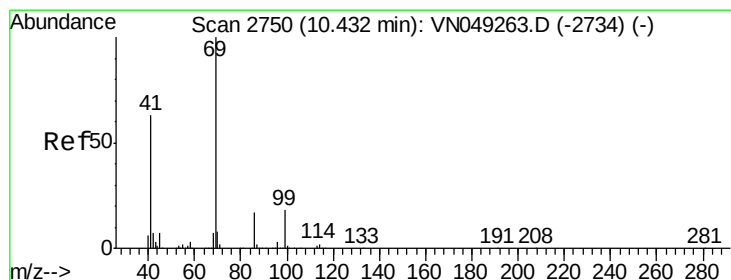
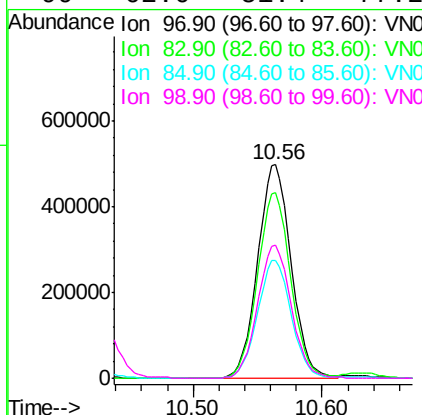
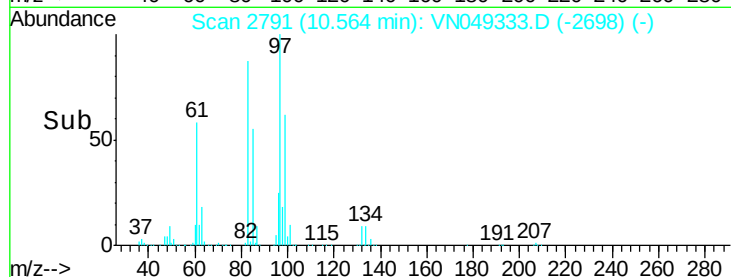
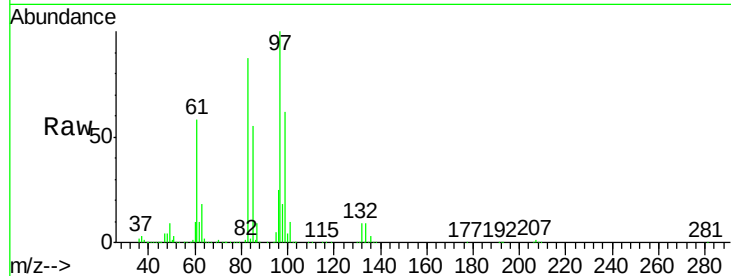
#55
 1,1,2-Trichloroethane
 Concen: 51.558 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.9	71.5	107.3
85	55.4	47.0	70.4
99	62.0	51.4	77.2

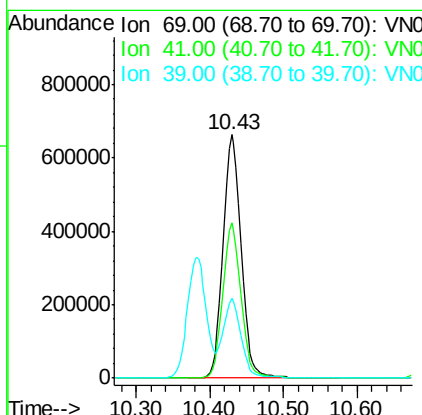
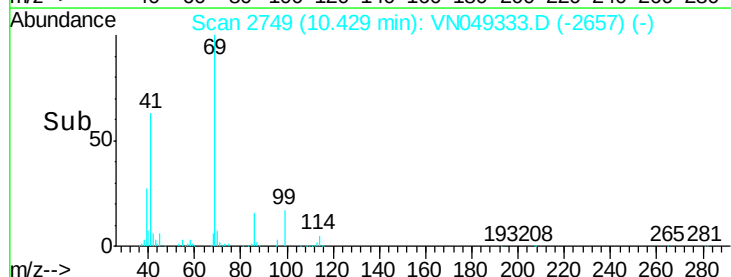
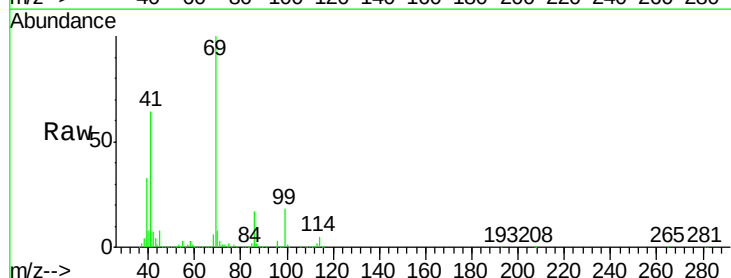
Manual Integrations
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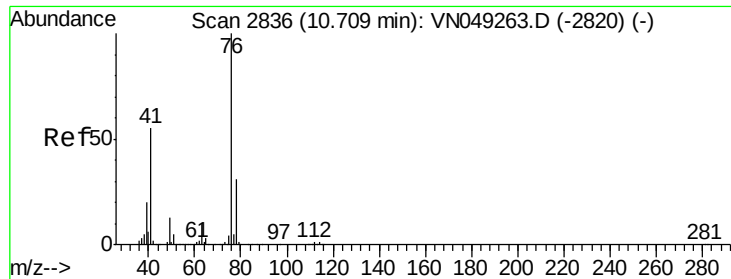
MMDadoda
 6/19/2018 1:55:40 PM



#56
 Ethyl methacrylate
 Concen: 56.416 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.8	58.4	87.6
39	32.6	35.5	53.3#





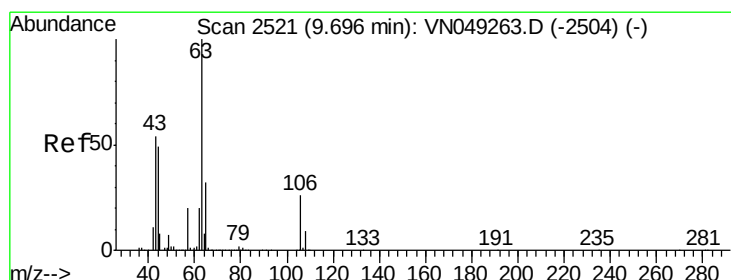
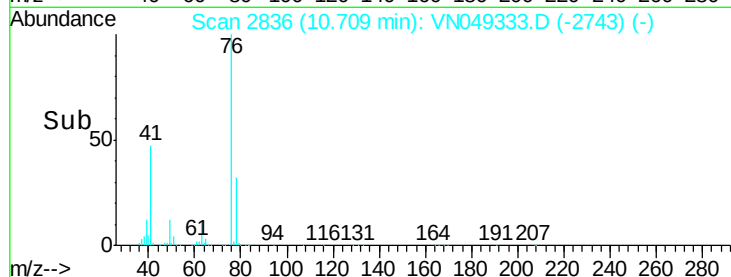
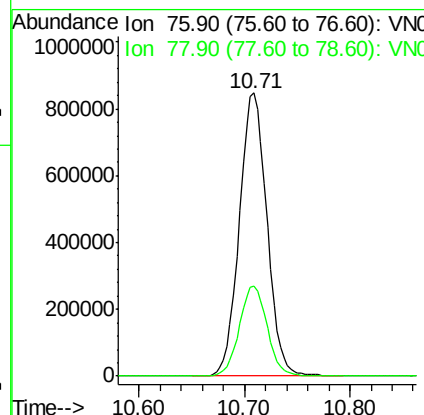
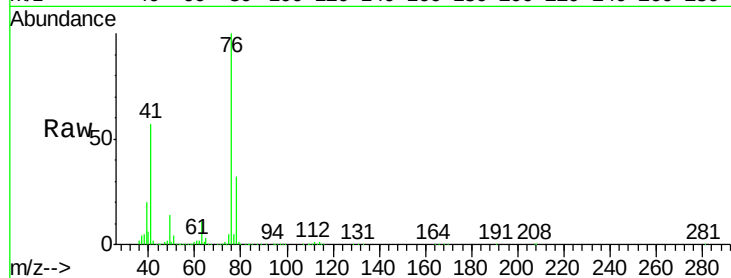
#57
 1,3-Dichloropropane
 Concen: 53.172 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 1537549
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.3 39.5

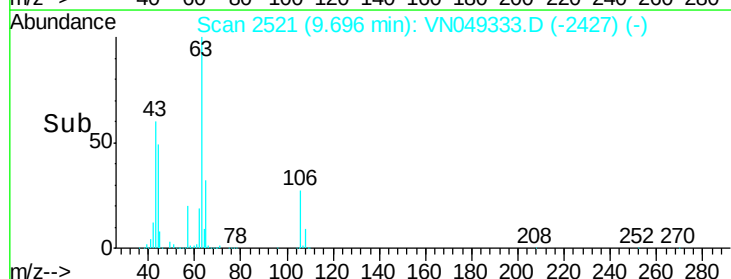
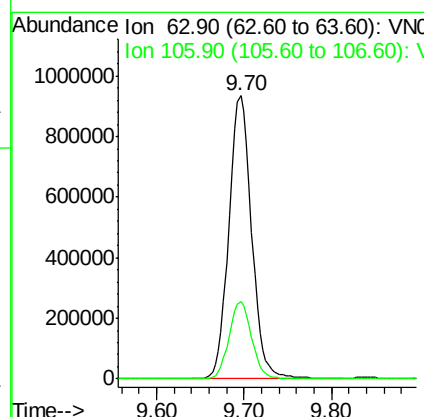
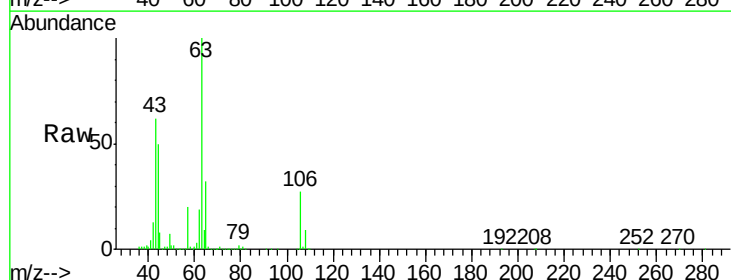
Manual Integrations
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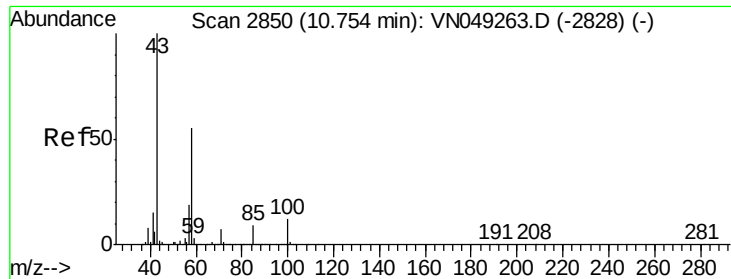
MMDadoda
 6/19/2018 1:55:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.211 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Tgt Ion: 63 Resp: 1694503
 Ion Ratio Lower Upper
 63 100
 106 27.1 19.4 29.2





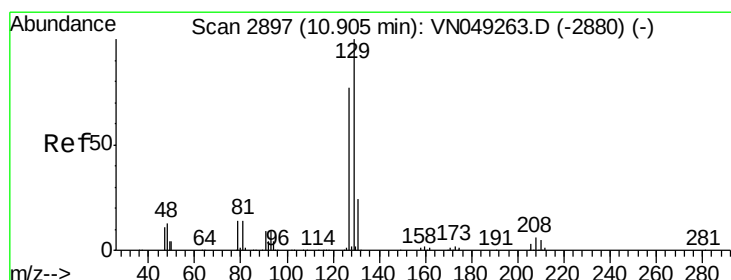
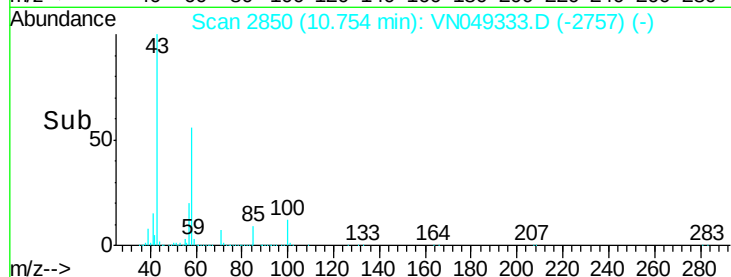
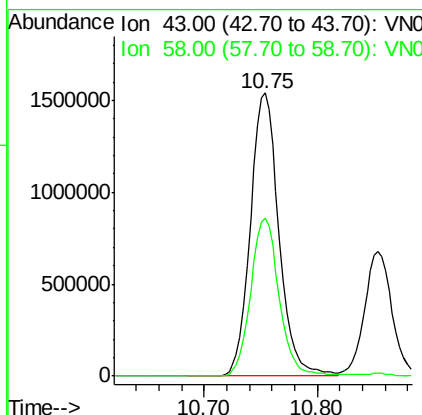
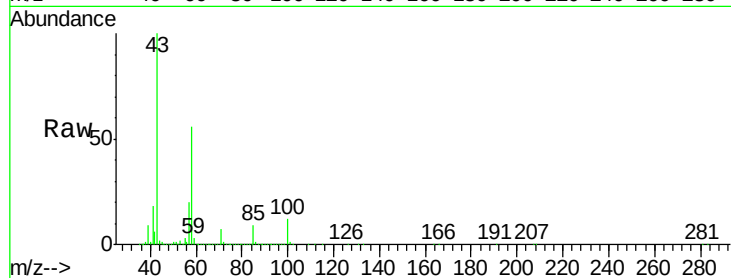
#59
2-Hexanone
Concen: 295.364 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2697525
Ion Ratio Lower Upper
43 100
58 56.2 25.2 75.6

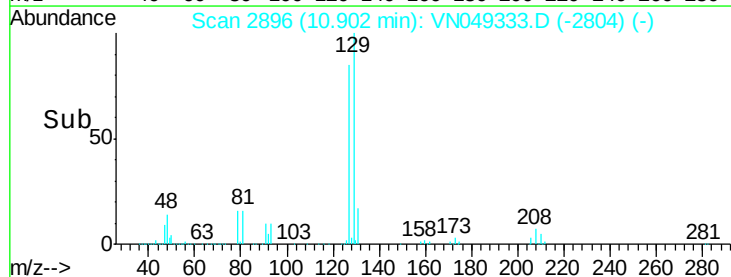
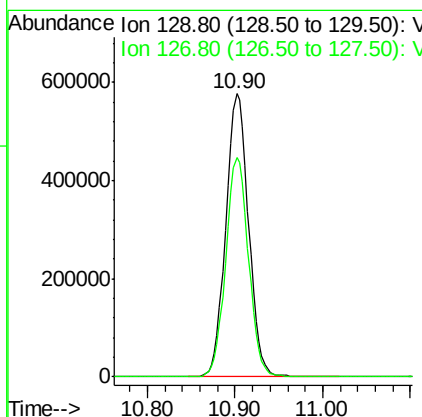
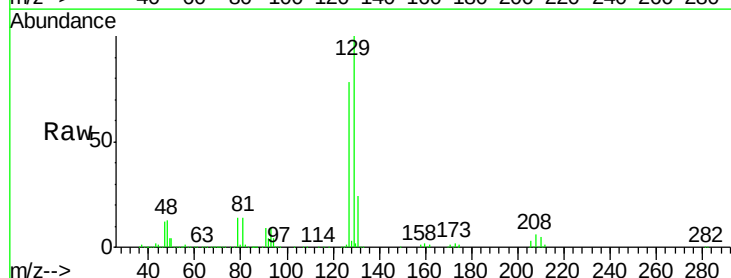
Manual Integrations
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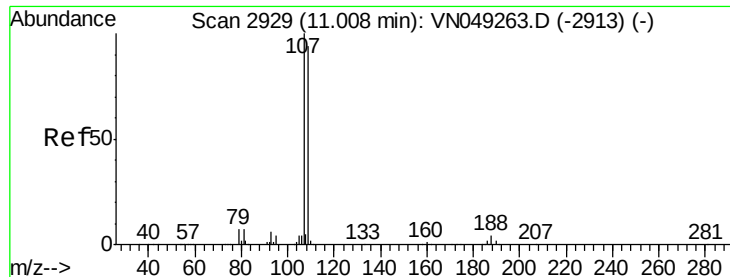
MMDadoda
6/19/2018 1:55:40 PM



#60
Dibromochloromethane
Concen: 53.486 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Tgt Ion: 129 Resp: 1042021
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2





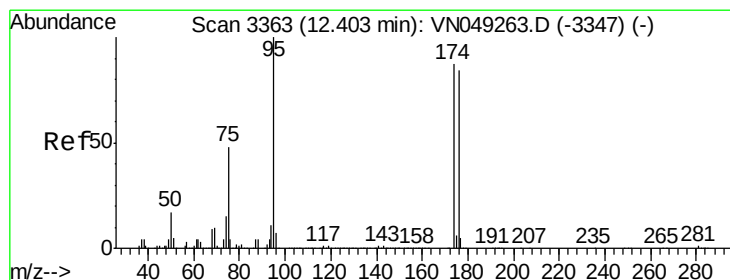
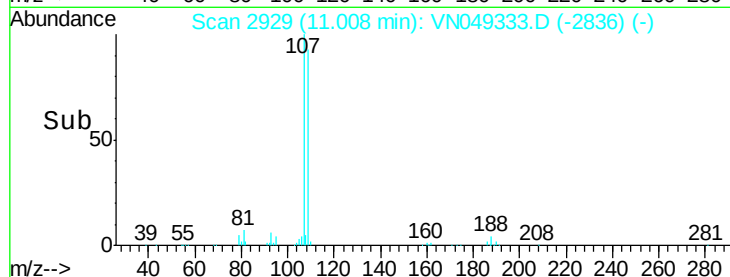
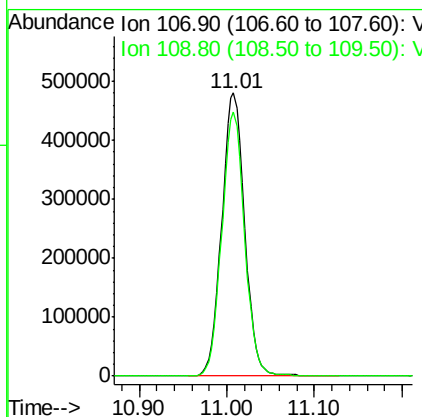
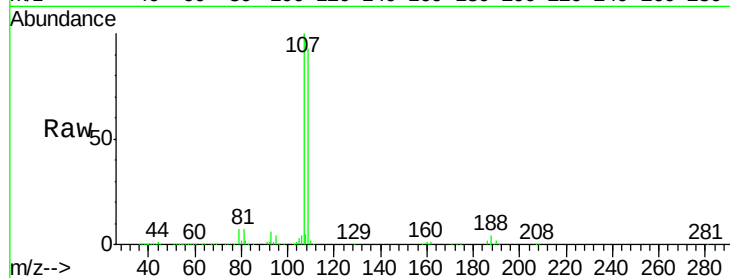
#61
 1,2-Dibromoethane
 Concen: 53.946 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 875264
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.4 113.2

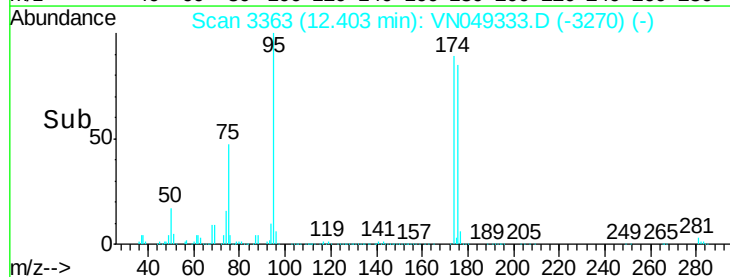
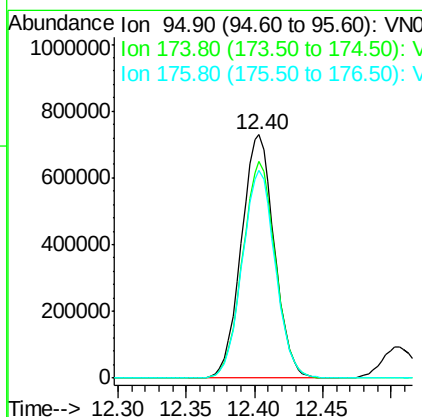
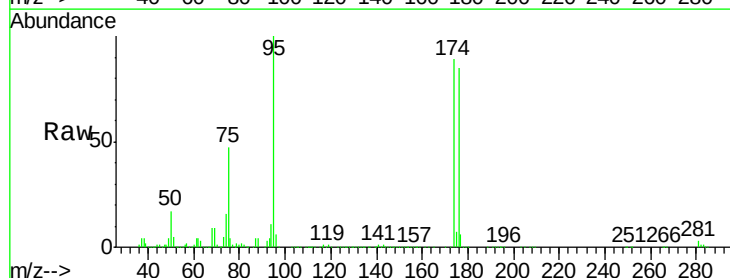
Manual Integrations
 APPROVED

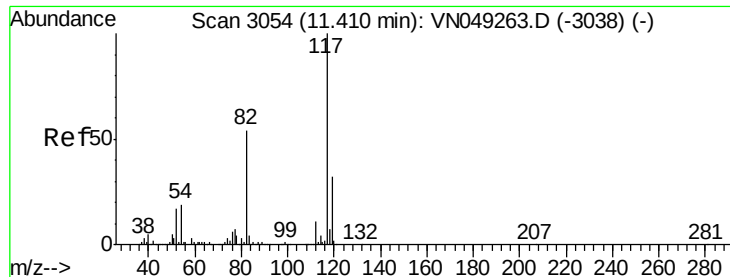
MMDadoda
 6/19/2018 1:55:40 PM



#62
 4-Bromofluorobenzene
 Concen: 52.897 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Tgt Ion: 95 Resp: 1223345
 Ion Ratio Lower Upper
 95 100
 174 88.7 0.0 165.6
 176 85.4 0.0 157.4





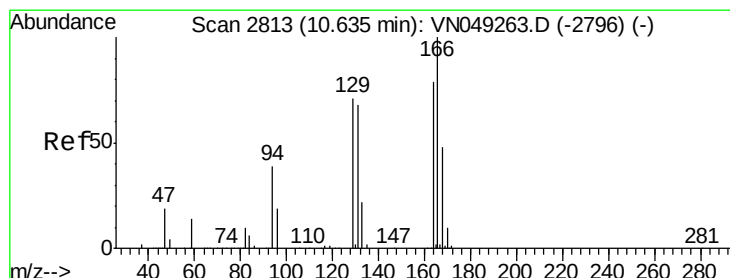
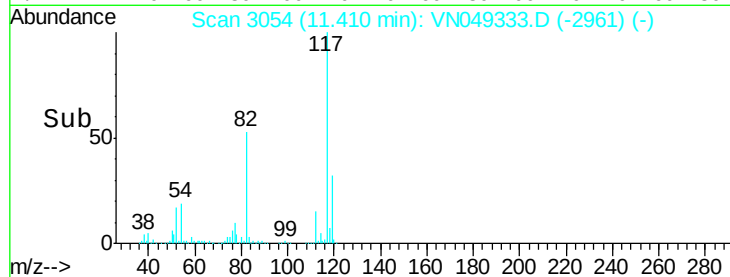
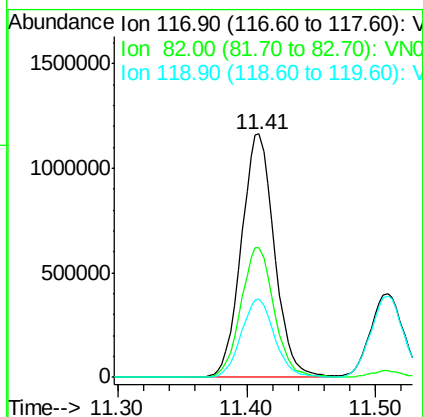
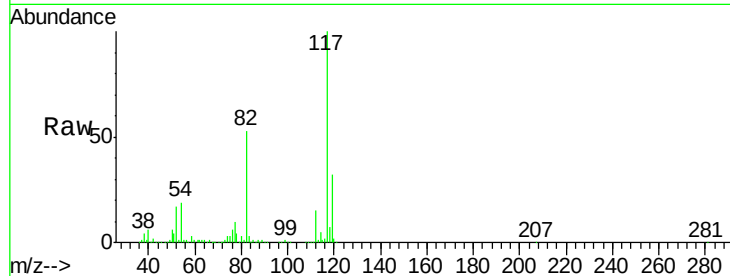
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	45.9	68.9
119	32.1	25.5	38.3

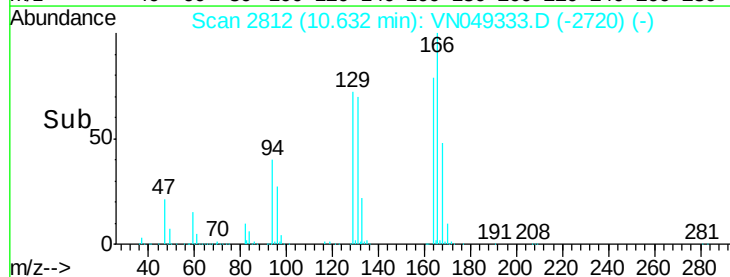
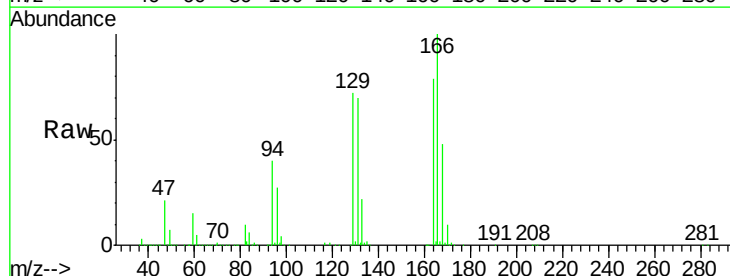
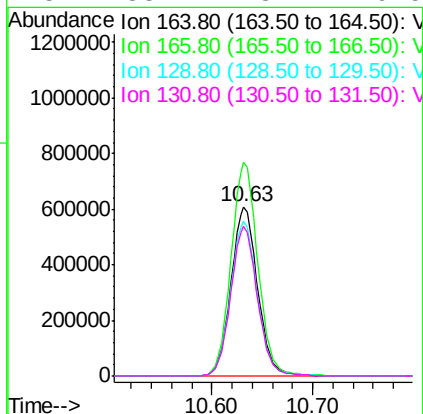
Manual Integrations
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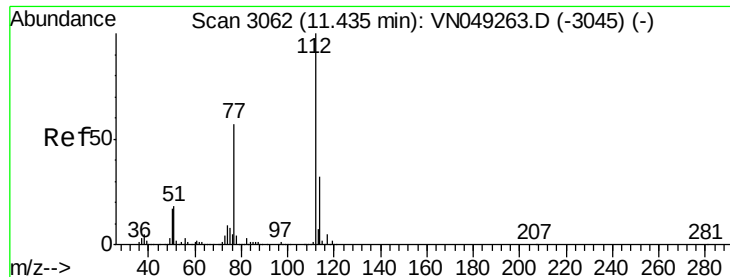
MMDadoda
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#64
Tetrachloroethene
Concen: 52.405 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.4	152.2
129	91.3	74.1	111.1
131	88.1	73.7	110.5





#65

Chlorobenzene

Concen: 51.777 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2771354

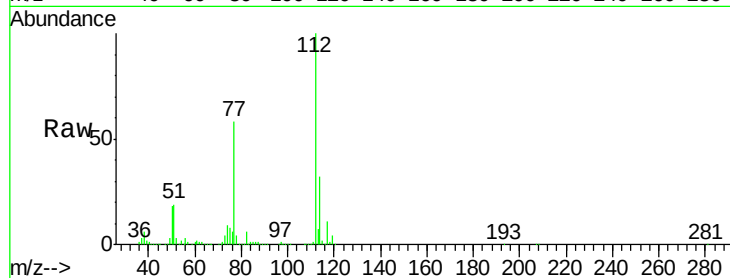
Ion Ratio Lower Upper

112 100

114 32.3 26.2 39.4

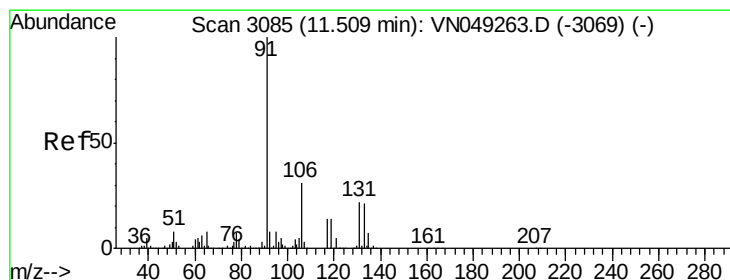
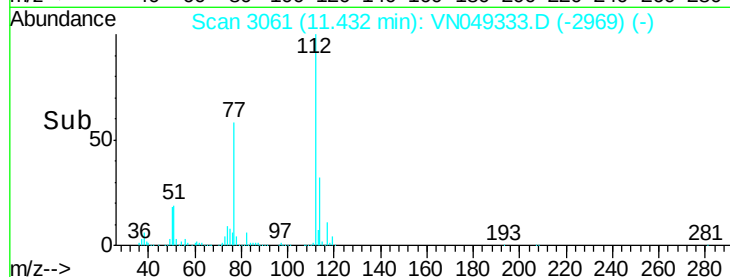
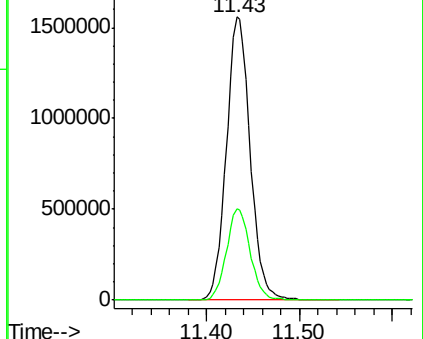
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.197 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

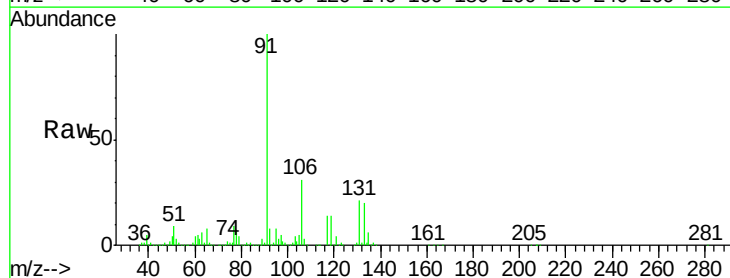
Tgt Ion:131 Resp: 1031224

Ion Ratio Lower Upper

131 100

133 95.1 48.0 144.2

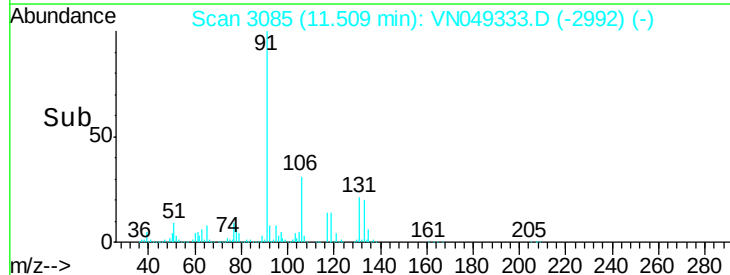
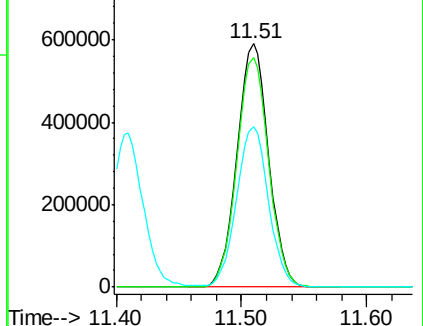
119 66.8 33.6 100.8

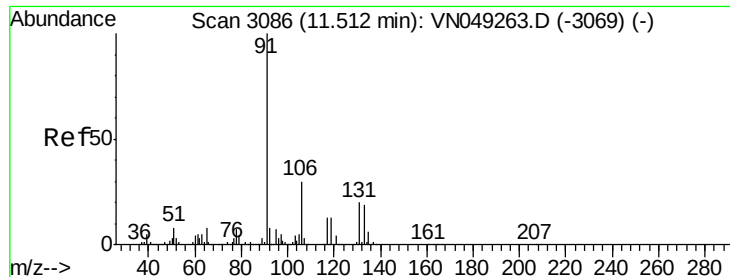


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 54.067 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 4800132

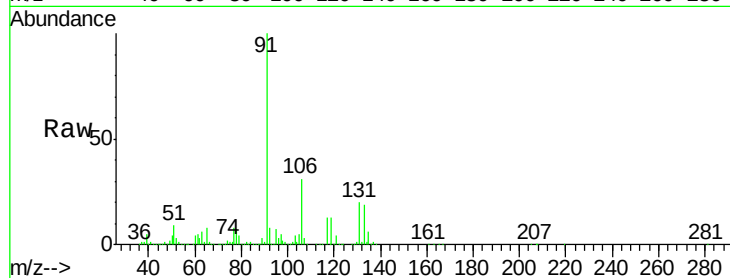
Ion Ratio Lower Upper

91 100

106 31.2 23.9 35.9

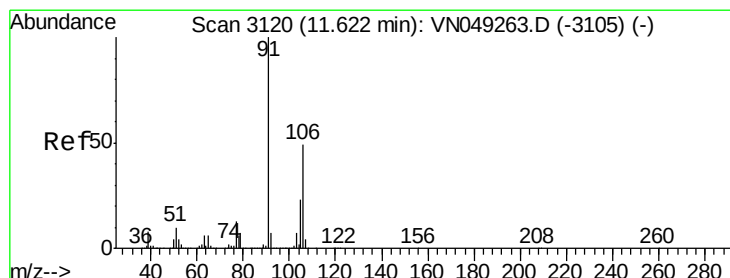
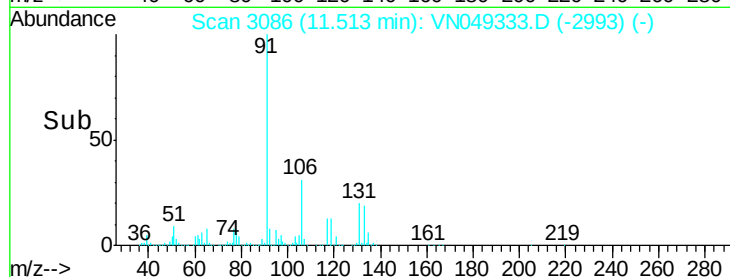
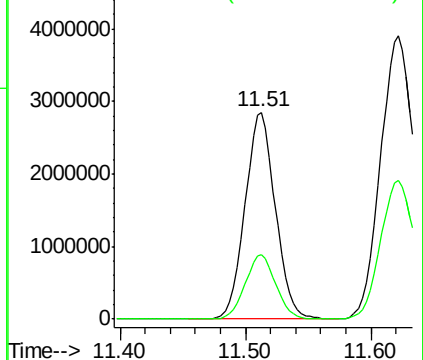
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 110.822 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049333.D

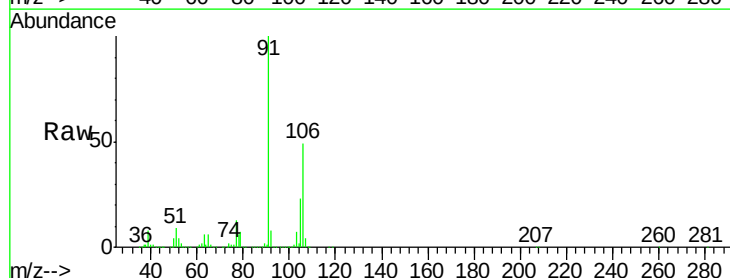
Acq: 18 Jun 2018 10:35

Tgt Ion: 106 Resp: 3692419

Ion Ratio Lower Upper

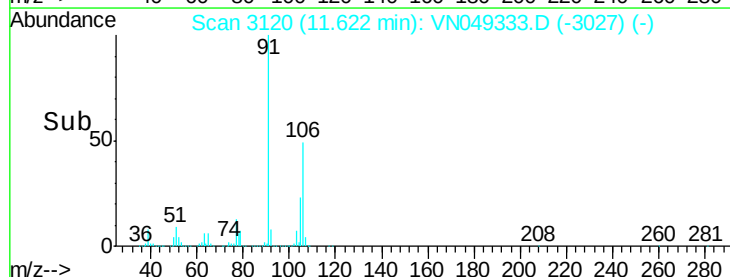
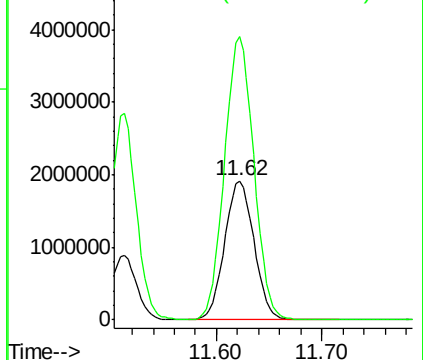
106 100

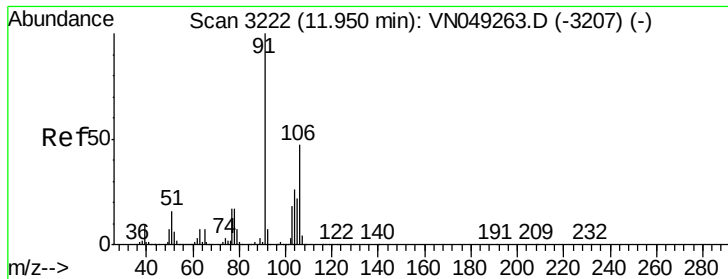
91 203.1 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





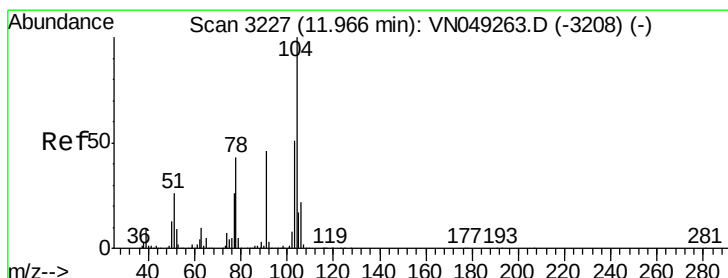
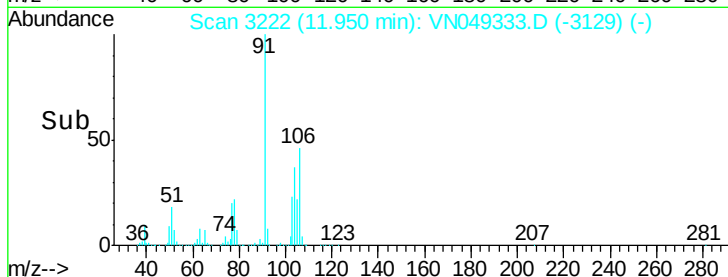
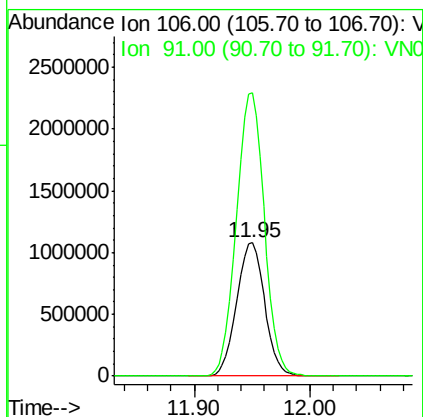
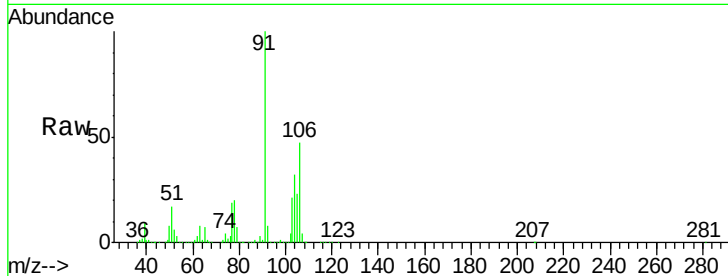
#69
o-Xylene
Concen: 56.232 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1804542
Ion Ratio Lower Upper
106 100
91 212.1 111.0 333.0

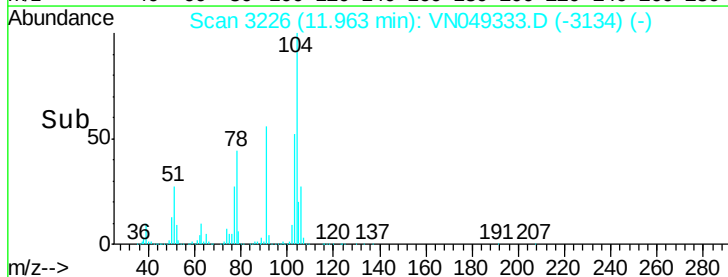
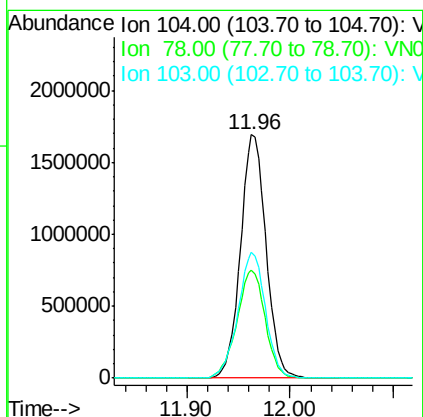
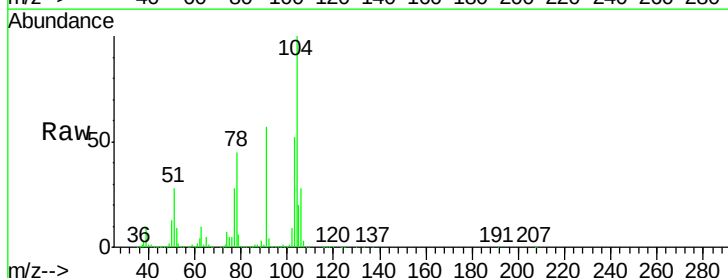
Manual Integrations
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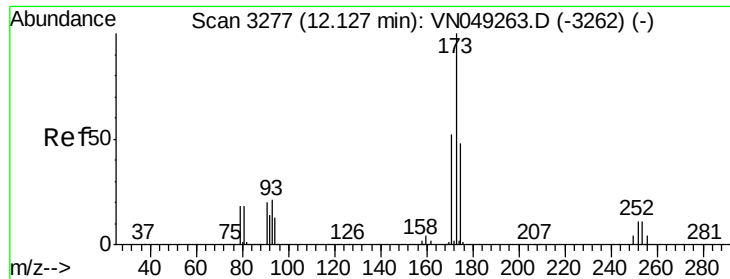
MMDadoda
6/19/2018 1:55:40 PM



#70
Styrene
Concen: 57.693 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Tgt Ion:104 Resp: 2920909
Ion Ratio Lower Upper
104 100
78 49.0 41.6 62.4
103 55.6 45.4 68.2





#71

Bromoform

Concen: 53.721 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 700428

Ion Ratio Lower Upper

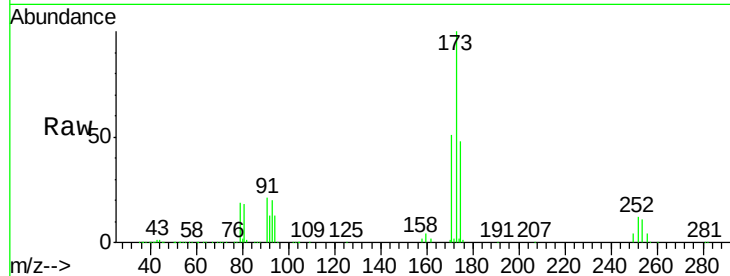
173 100

175 48.8 24.5 73.5

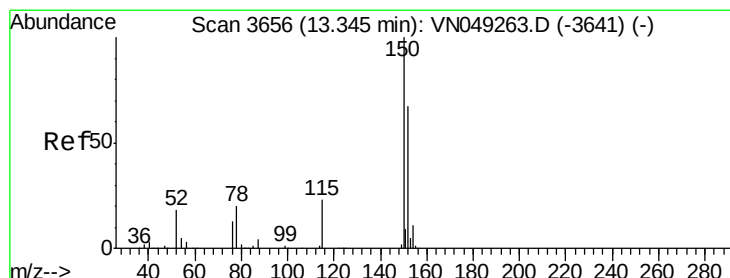
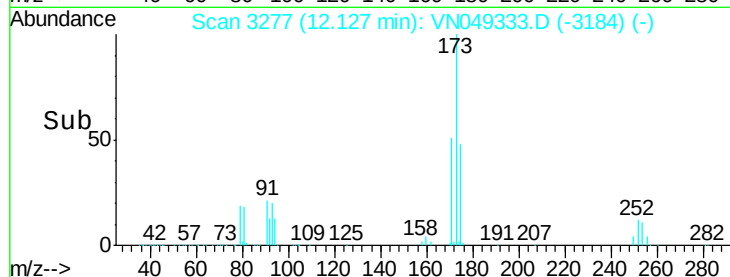
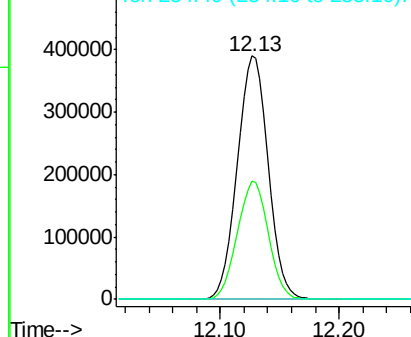
254 0.1 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

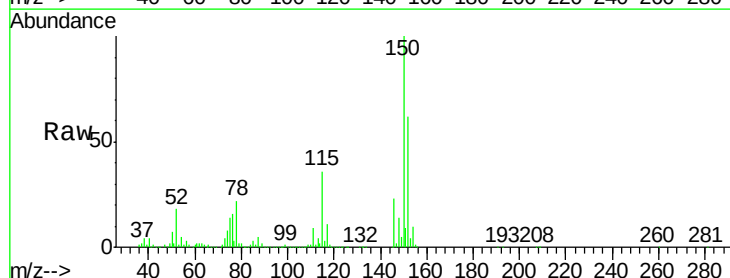
Tgt Ion:152 Resp: 1067211

Ion Ratio Lower Upper

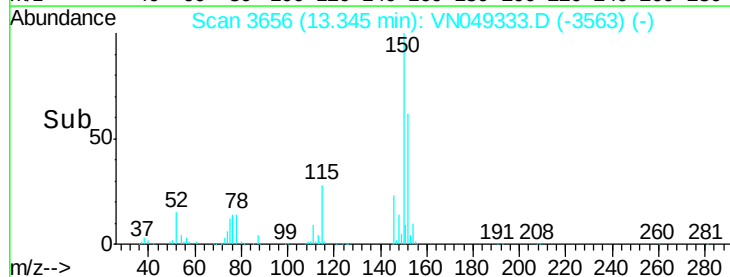
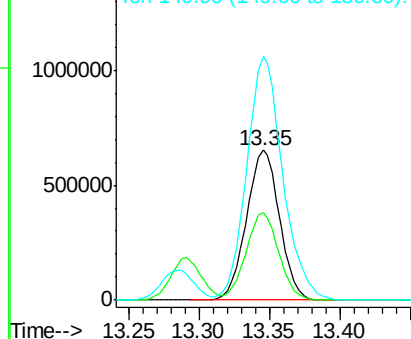
152 100

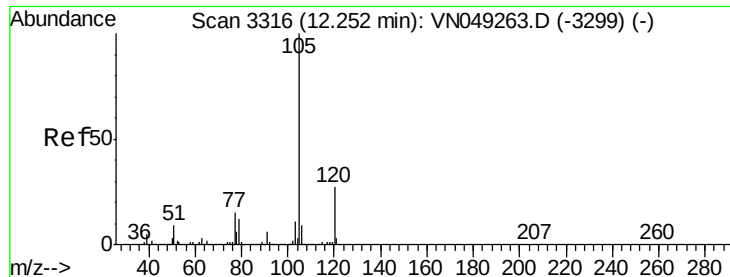
115 57.7 28.7 86.1

150 177.1 0.0 351.0



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





#73

Isopropylbenzene

Concen: 50.979 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4776941

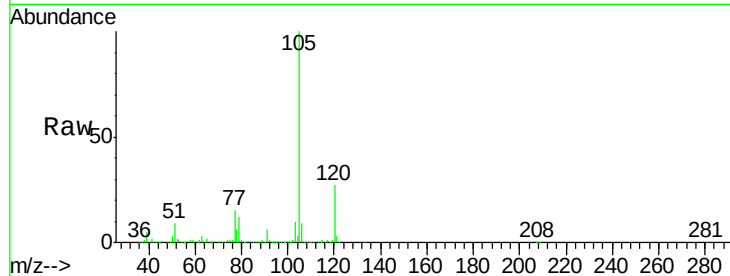
Ion Ratio Lower Upper

105 100

120 26.8 12.8 38.3

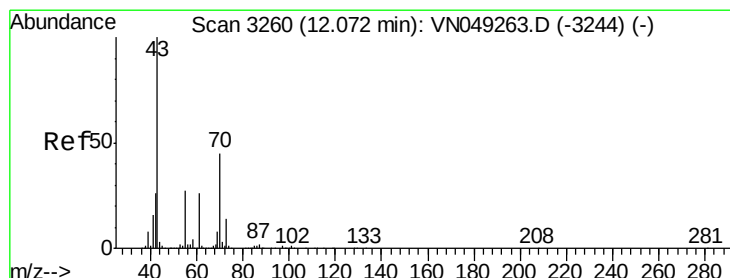
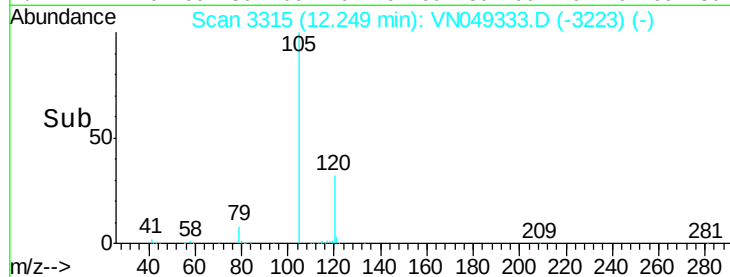
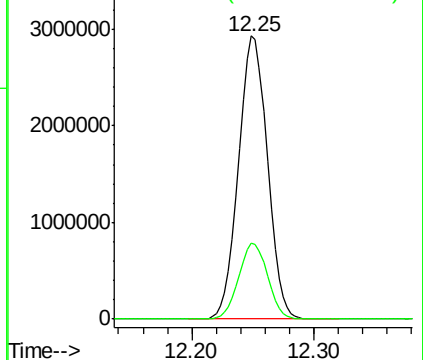
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.460 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Tgt Ion: 43 Resp: 1204027

Ion Ratio Lower Upper

43 100

70 43.4 30.3 45.5

55 25.8 19.4 29.2

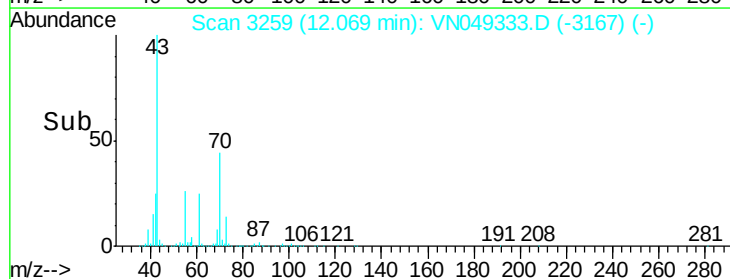
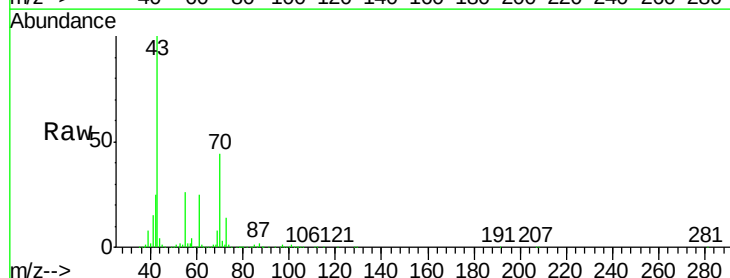
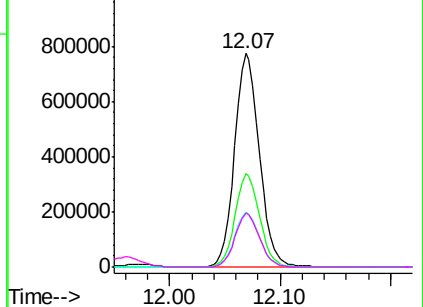
61 24.9 17.8 26.6

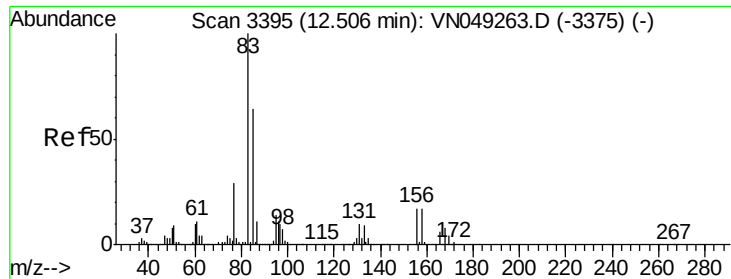
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 53.571 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1029581

Ion Ratio Lower Upper

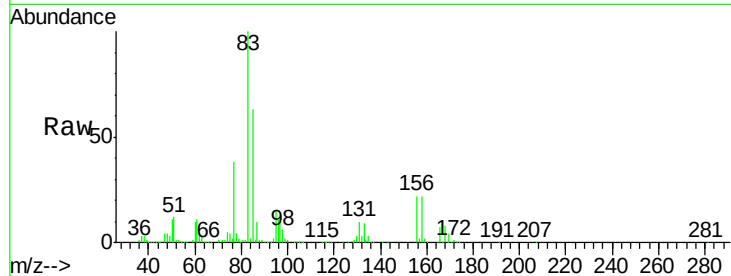
83 100

131 10.4 5.0 15.0

85 64.3 32.0 96.0

Manual Integrations
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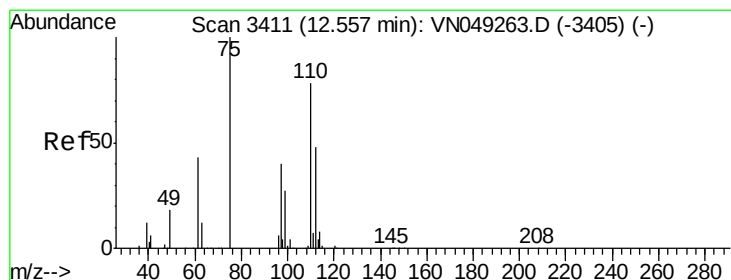
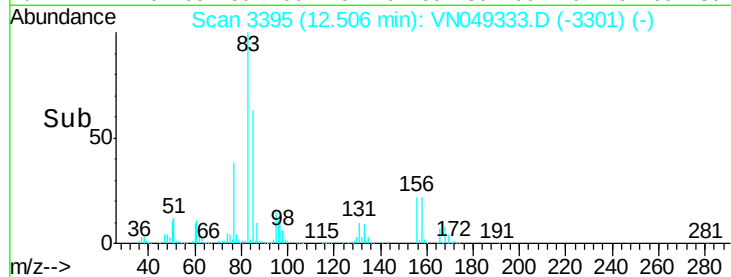
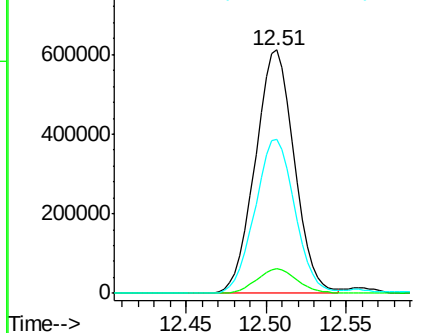
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Abundance Ion 82.90 (82.60 to 83.60): VN049333.D (-3301) (-)

Ion 130.80 (130.50 to 131.50): VN049333.D (-3301) (-)

Ion 84.90 (84.60 to 85.60): VN049333.D (-3301) (-)



#76

1,2,3-Trichloropropane

Concen: 50.102 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049333.D

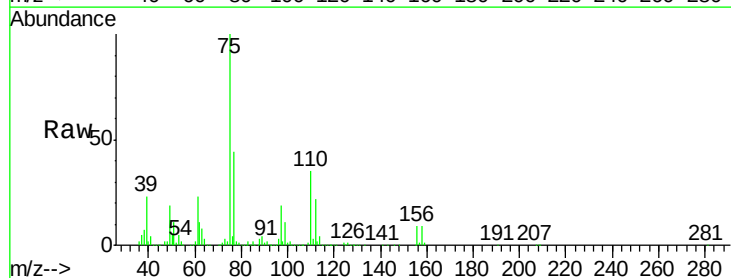
Acq: 18 Jun 2018 10:35

Tgt Ion: 75 Resp: 912318

Ion Ratio Lower Upper

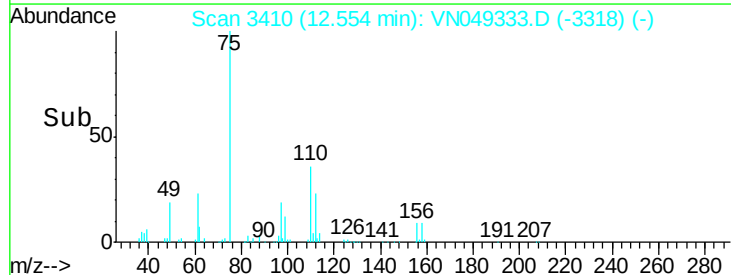
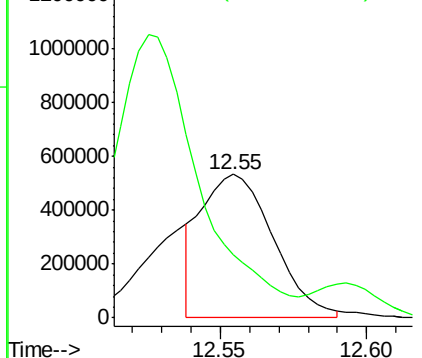
75 100

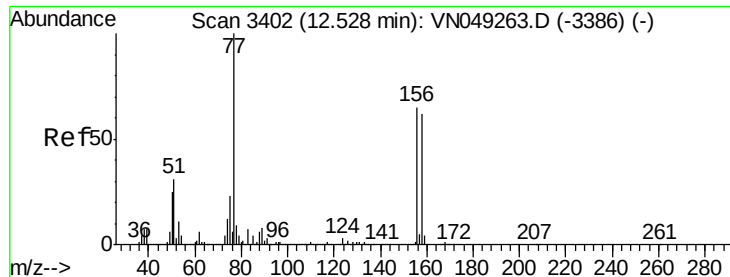
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049333.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN049333.D (-3318) (-)





#77

Bromobenzene

Concen: 48.305 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 1195593

Ion Ratio Lower Upper

156 100

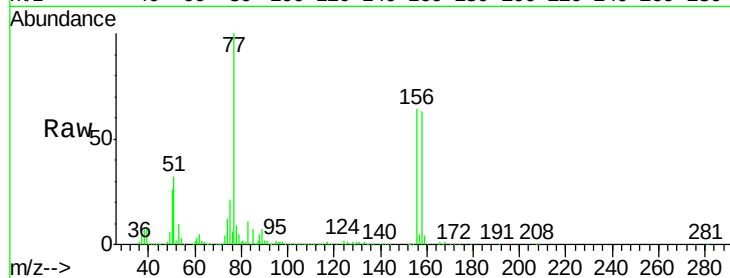
77 181.1 100.8 302.4

158 97.8 49.3 147.9

Manual Integrations
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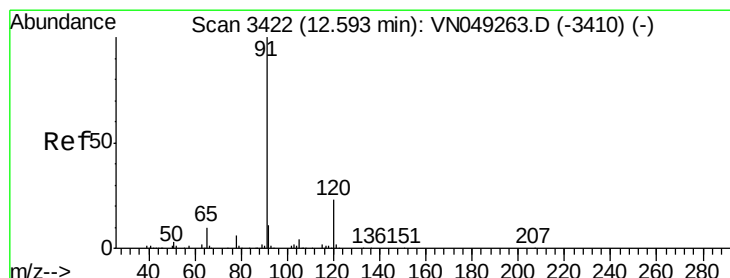
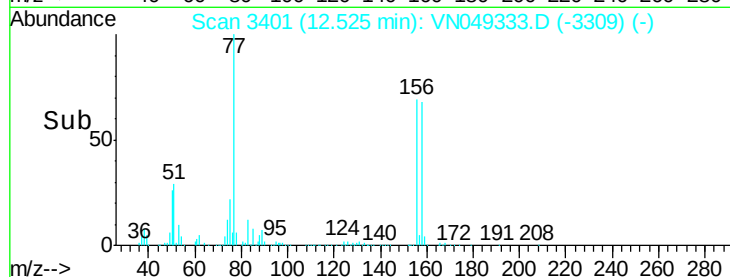
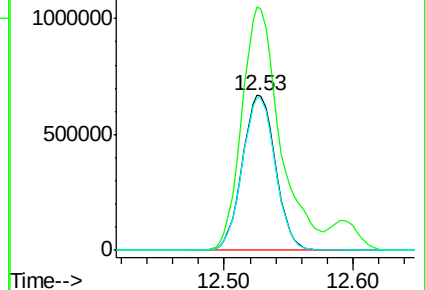
6/19/2018 1:55:40 PM



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: 52.965 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049333.D

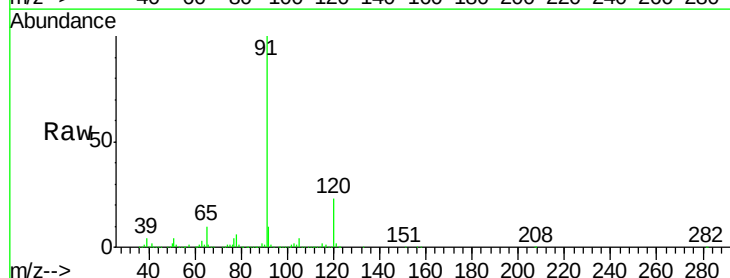
Acq: 18 Jun 2018 10:35

Tgt Ion: 91 Resp: 5449296

Ion Ratio Lower Upper

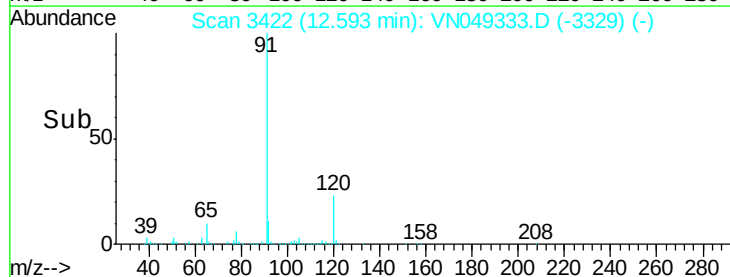
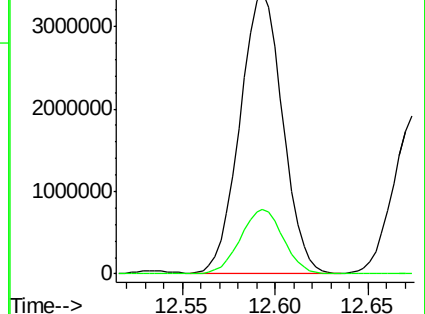
91 100

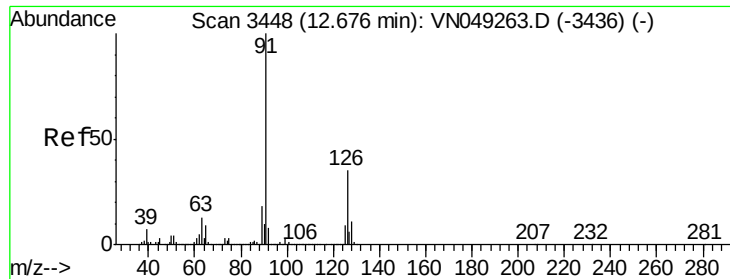
120 23.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.949 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 3256209

Ion Ratio Lower Upper

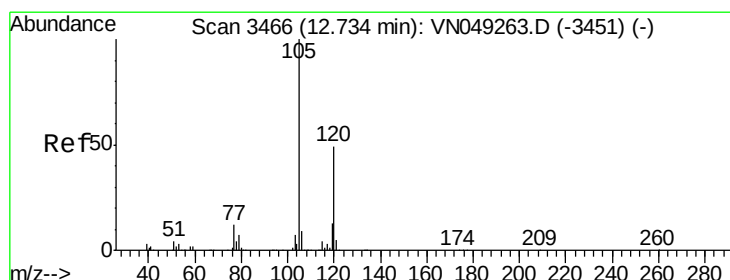
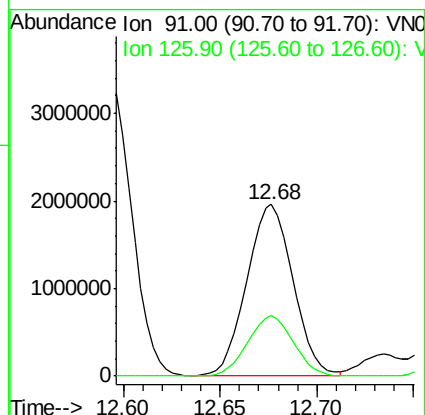
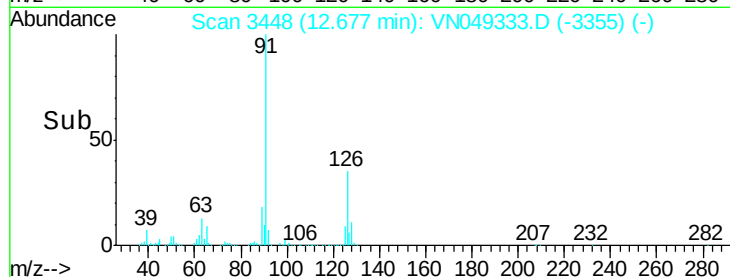
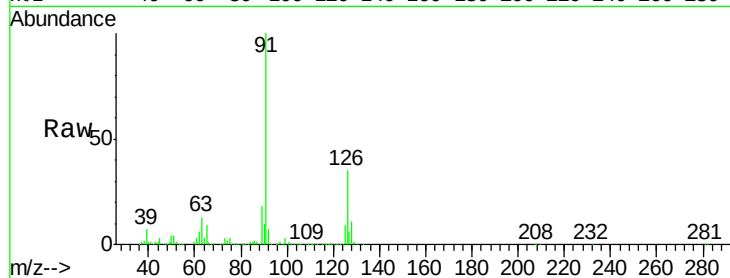
91 100

126 35.1 16.6 49.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 52.939 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049333.D

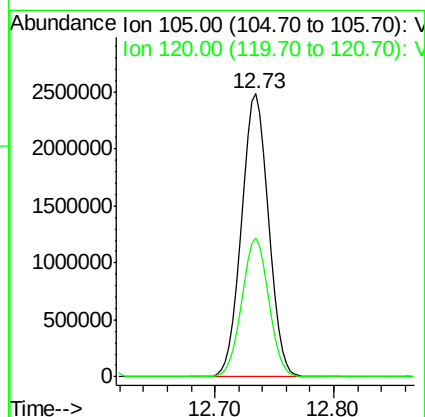
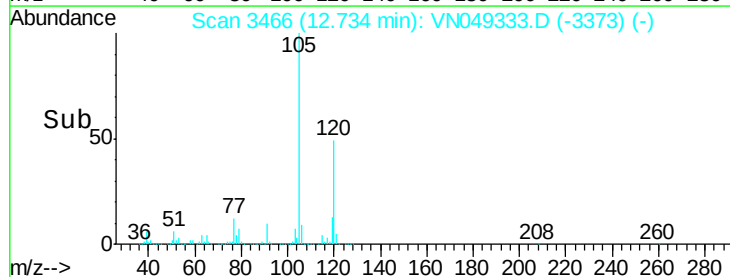
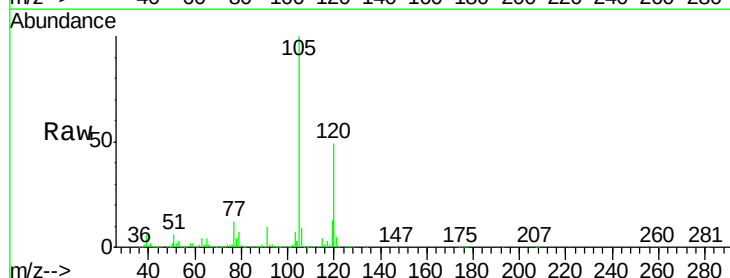
Acq: 18 Jun 2018 10:35

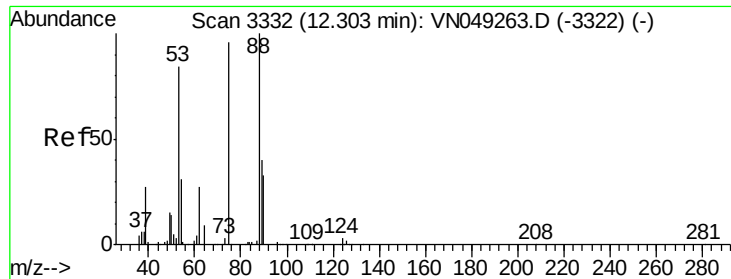
Tgt Ion: 105 Resp: 3899018

Ion Ratio Lower Upper

105 100

120 49.0 23.5 70.5





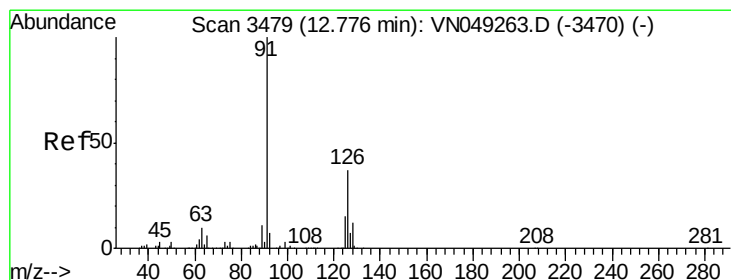
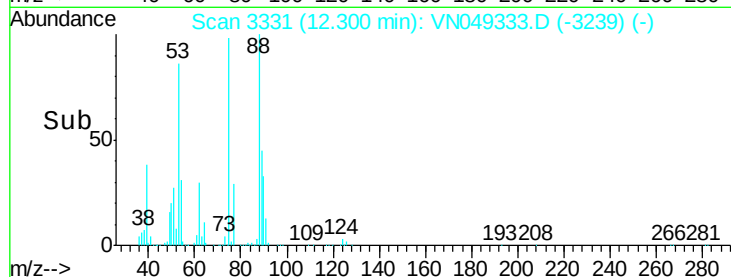
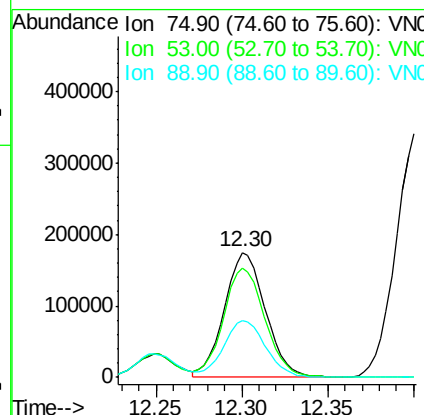
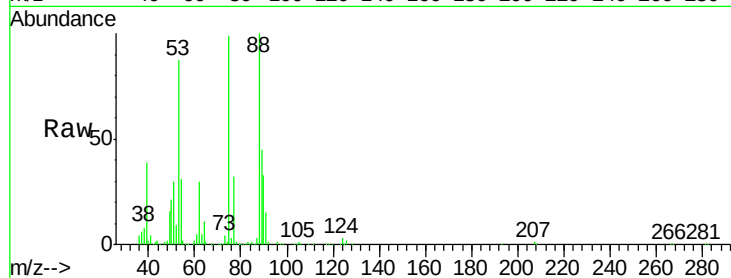
#81
trans-1,4-Dichloro-2-butene
Concen: 50.231 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.9	82.7	124.1
89	46.5	36.5	54.7

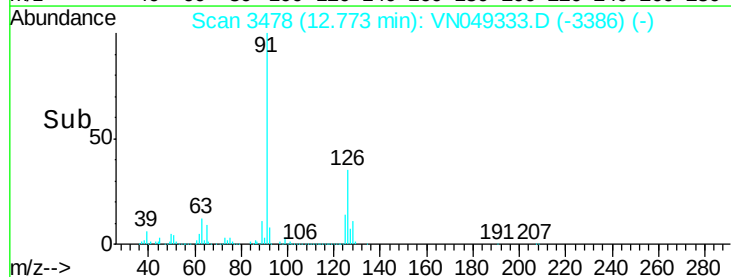
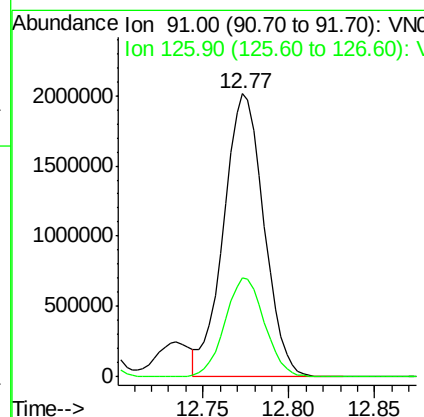
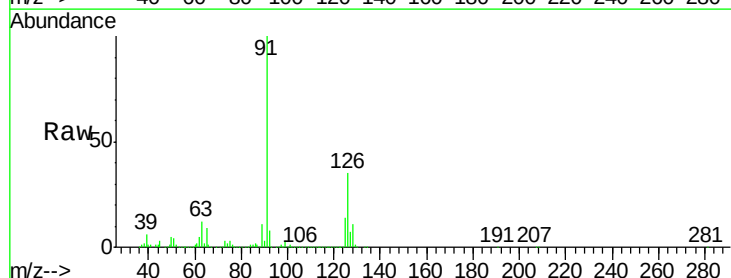
Manual Integrations
APPROVED

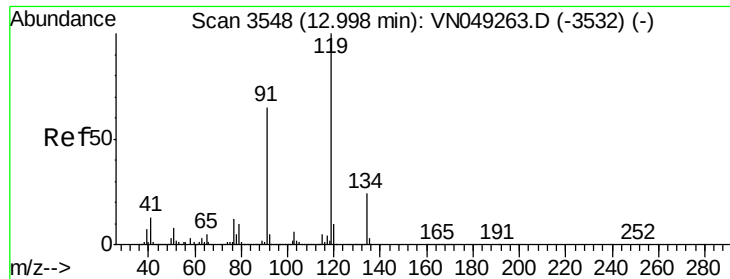
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.159 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.4	49.1





#83

tert-Butylbenzene

Concen: 51.394 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 3353434

Ion Ratio Lower Upper

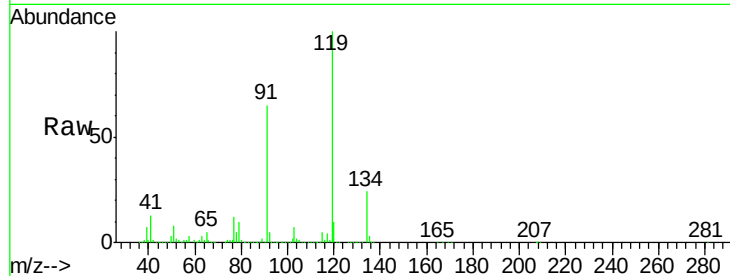
119 100

91 64.1 33.7 101.0

134 25.8 12.9 38.6

Manual Integrations
APPROVED

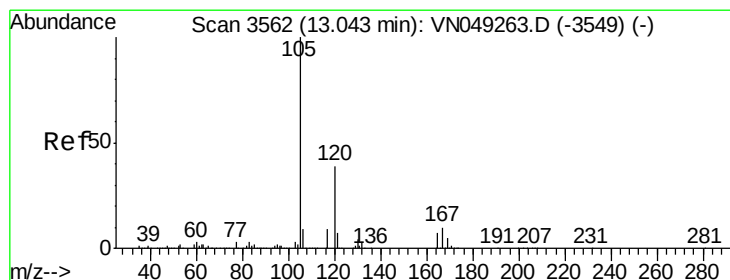
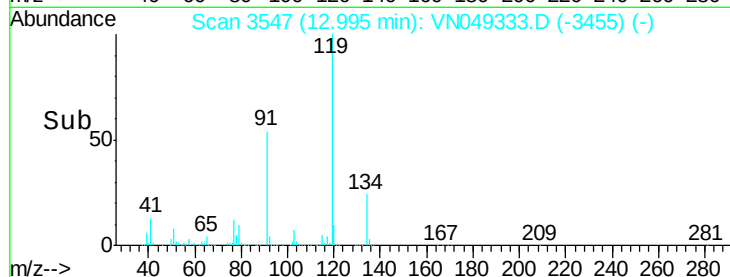
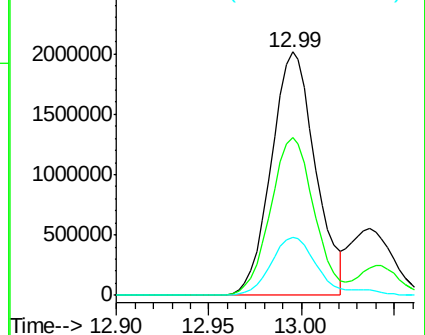
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.113 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049333.D

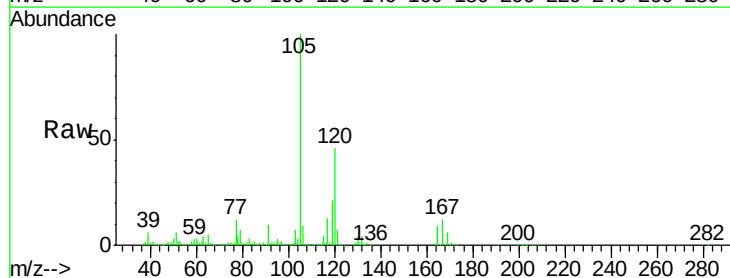
Acq: 18 Jun 2018 10:35

Tgt Ion:105 Resp: 3959200

Ion Ratio Lower Upper

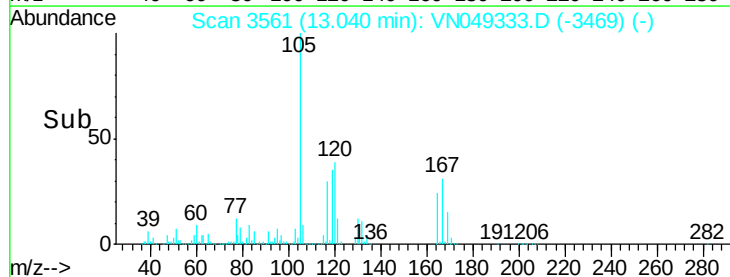
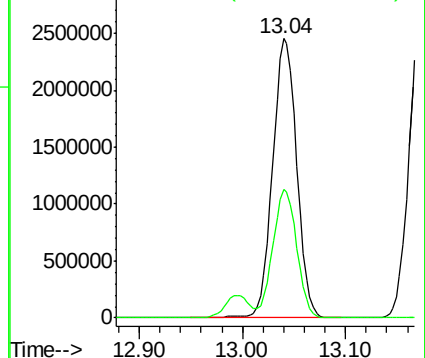
105 100

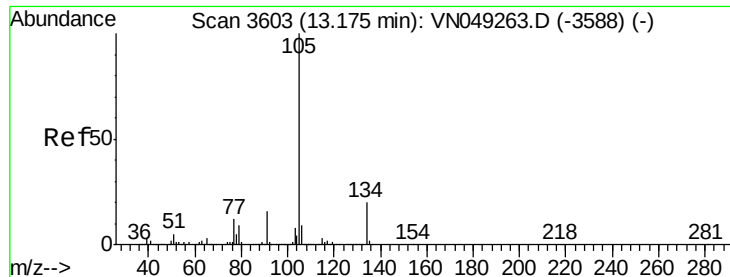
120 45.6 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.386 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4462683

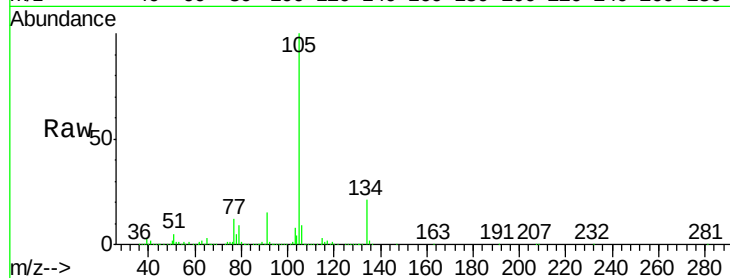
Ion Ratio Lower Upper

105 100

134 20.4 9.8 29.3

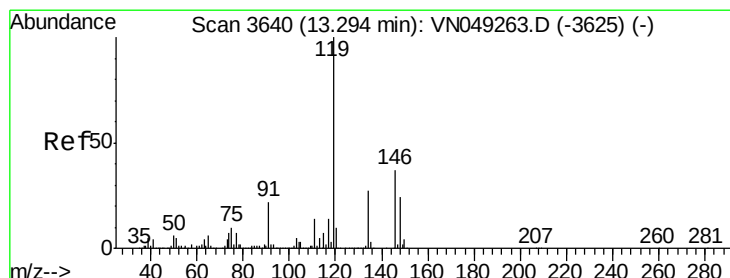
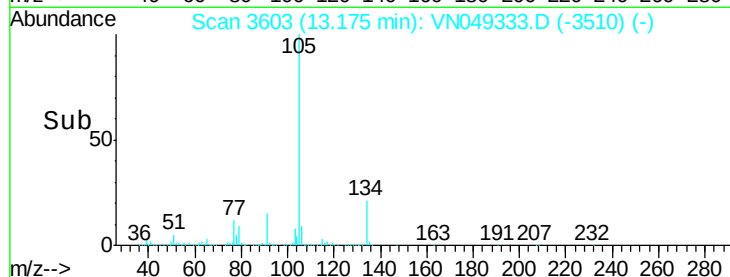
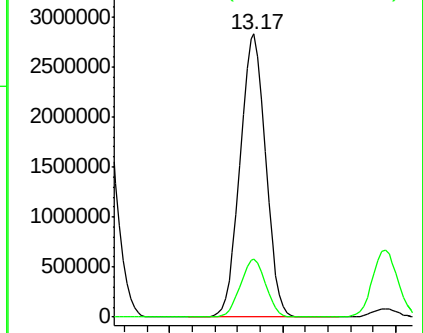
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.800 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049333.D

Acq: 18 Jun 2018 10:35

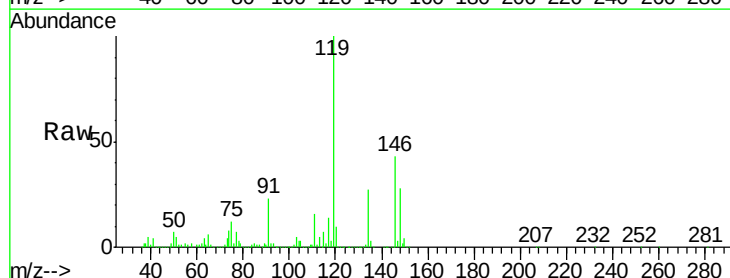
Tgt Ion:119 Resp: 3903626

Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.6

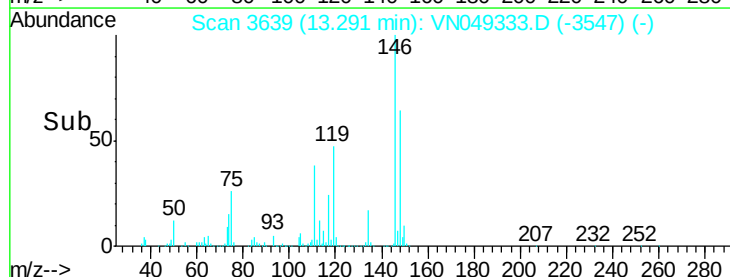
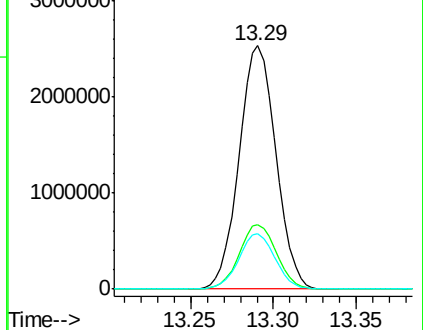
91 22.4 12.1 36.3

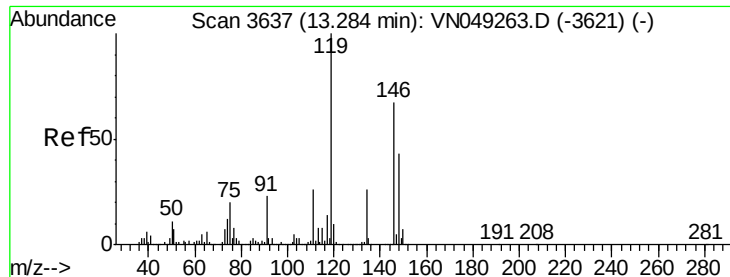


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





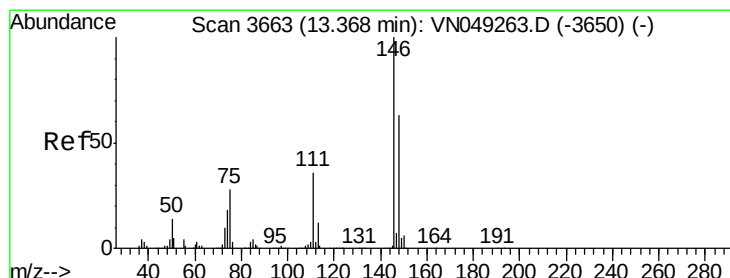
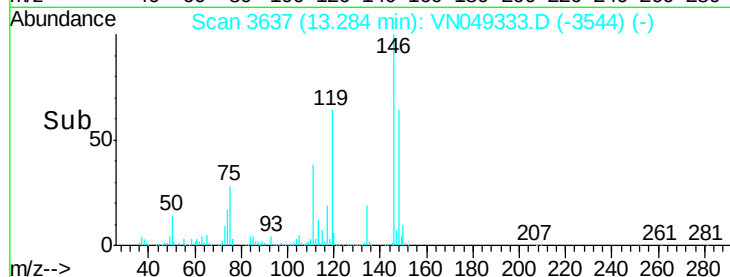
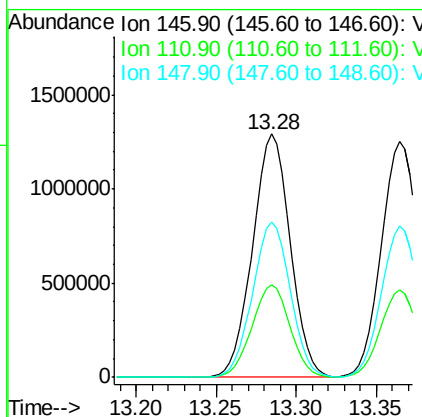
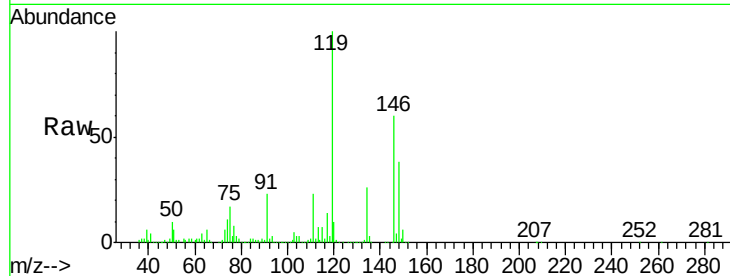
#87
 1,3-Dichlorobenzene
 Concen: 51.580 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.9	59.6
148	64.1	32.1	96.5

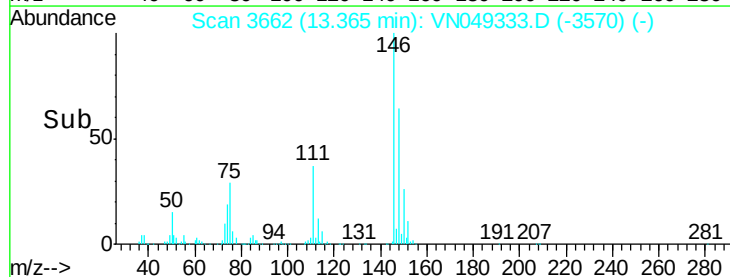
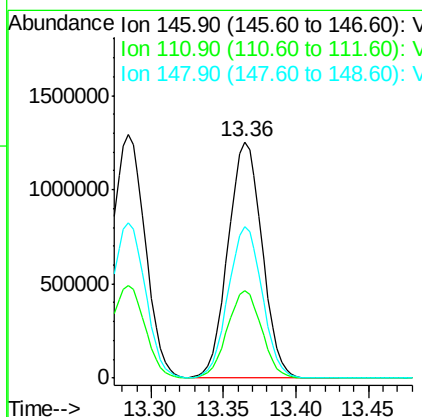
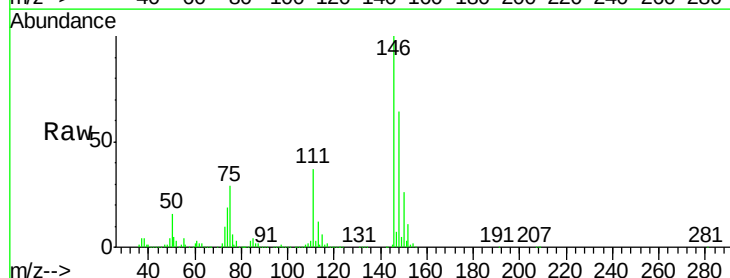
Manual Integrations
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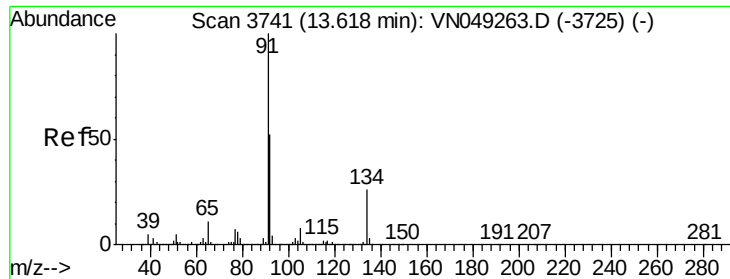
MMDadoda
 6/19/2018 1:55:40 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.632 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

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





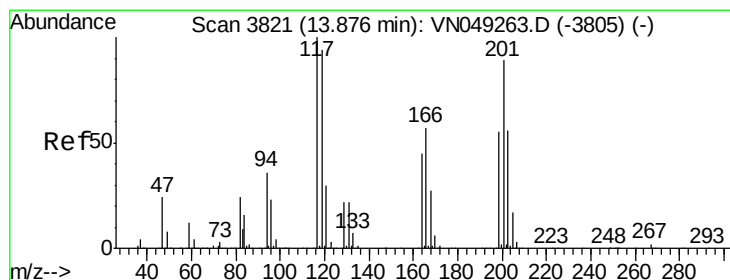
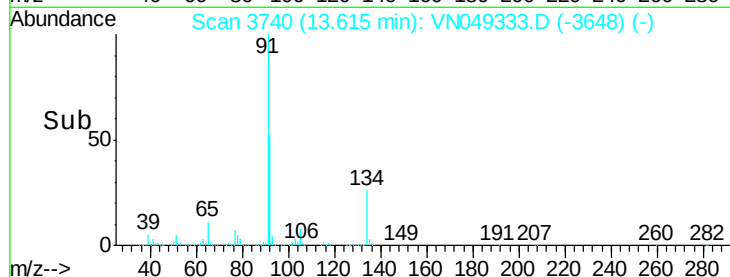
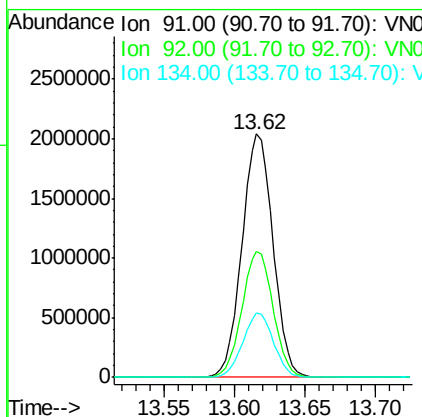
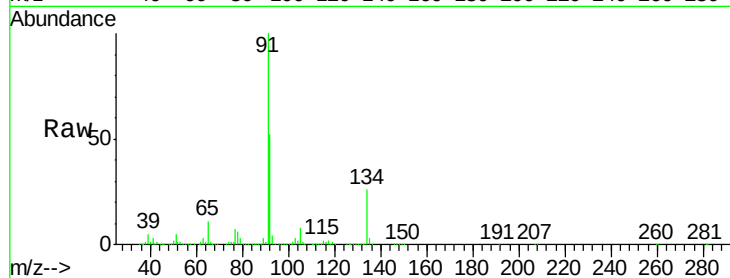
#89
n-Butylbenzene
Concen: 55.473 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.1	75.4
134	26.2	12.0	36.0

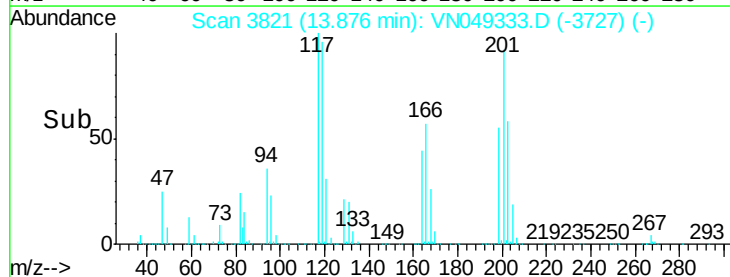
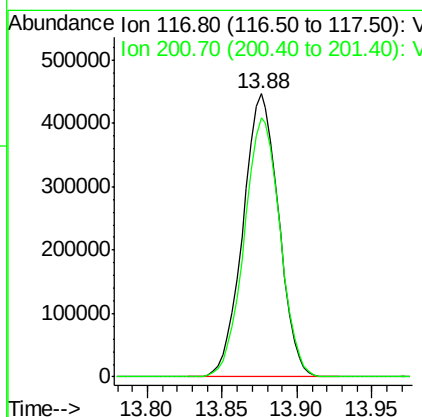
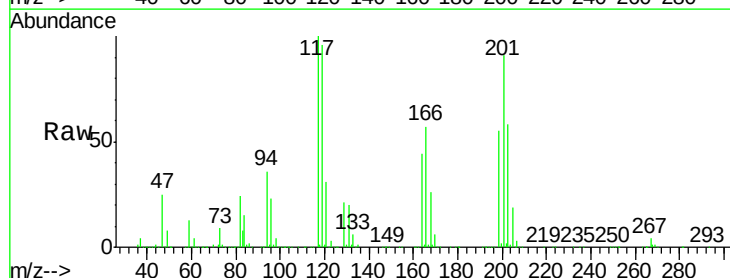
Manual Integrations
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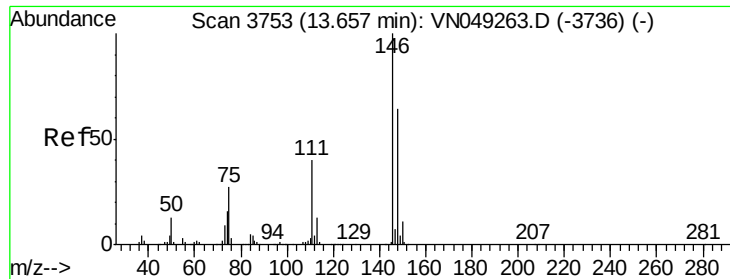
MMDadoda
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#90
Hexachloroethane
Concen: 54.135 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.9	40.1	120.2





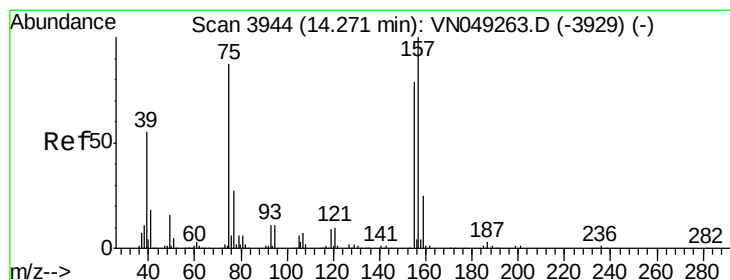
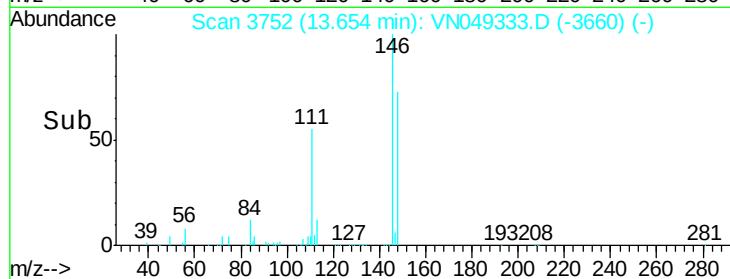
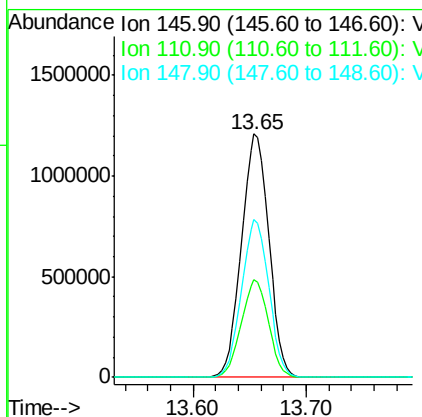
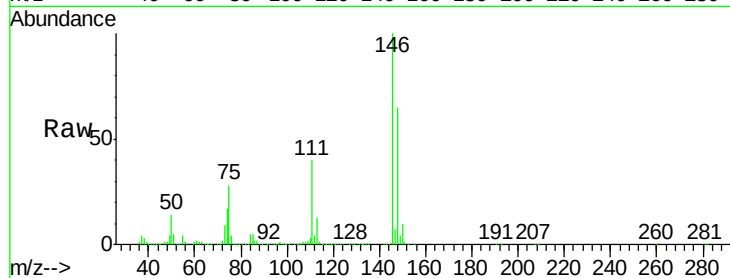
#91
 1,2-Dichlorobenzene
 Concen: 51.152 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.8	62.2
148	64.5	32.0	96.2

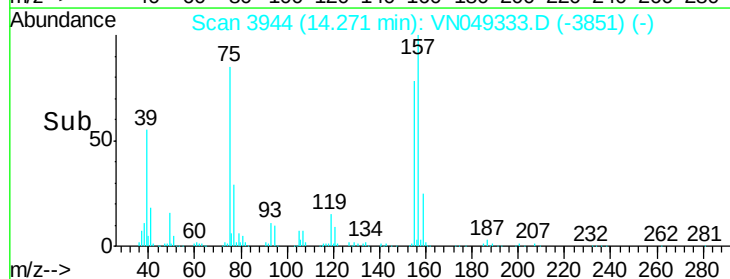
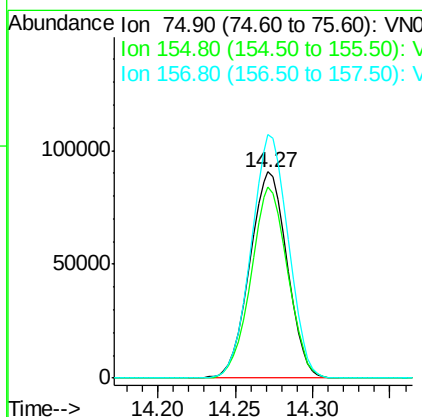
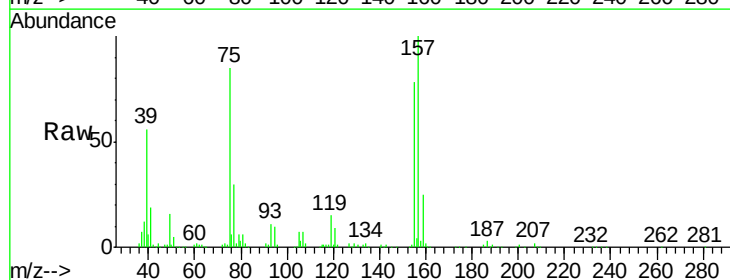
Manual Integrations
 APPROVED

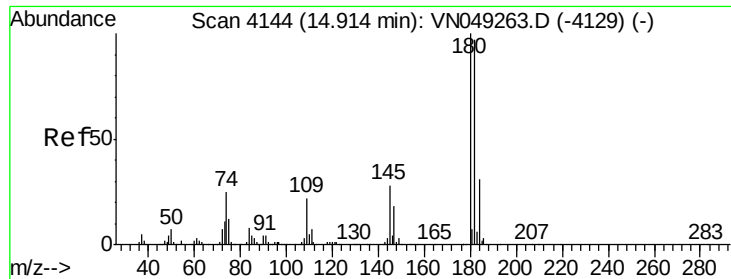
MMDadoda
 6/19/2018 1:55:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.790 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.0	38.8	116.3
157	117.1	51.0	153.1





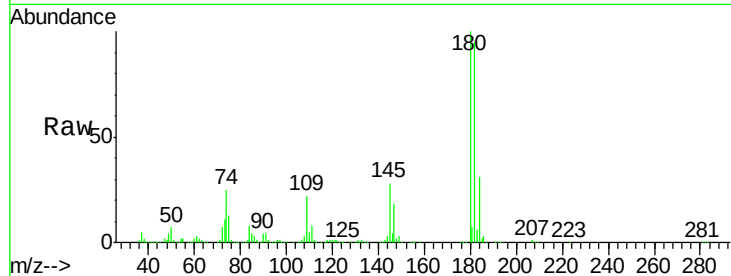
#93
 1,2,4-Trichlorobenzene
 Concen: 48.361 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

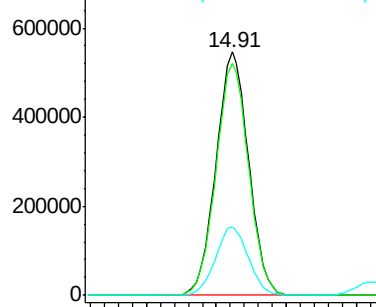
Tot Ion	Ratio	Resp	Lower	Upper
180	100	881996		
182	95.6	46.9	140.8	
145	28.5	14.7	44.1	

Manual Integrations
 APPROVED

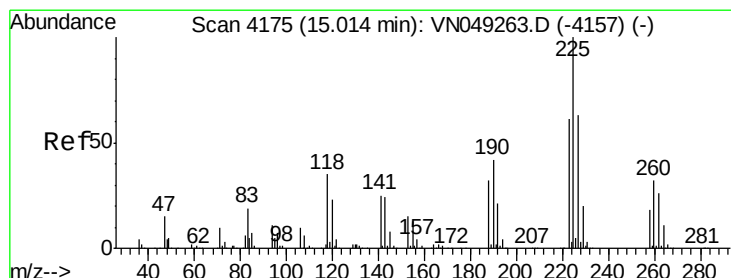
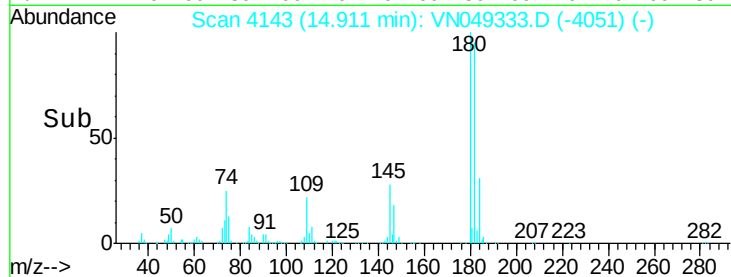
MMDadoda
 6/19/2018 1:55:40 PM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

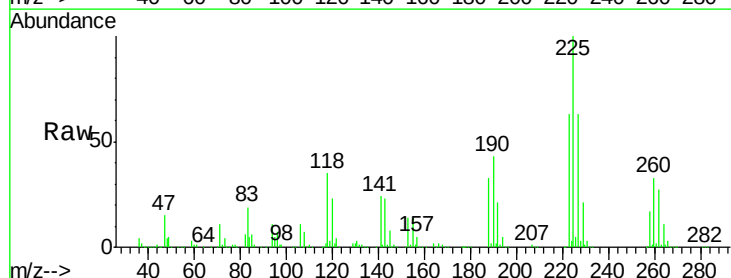


Time-->

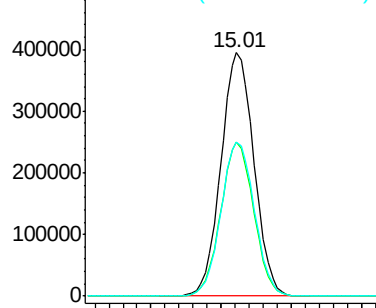


#94
 Hexachlorobutadiene
 Concen: 55.743 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049333.D
 Acq: 18 Jun 2018 10:35

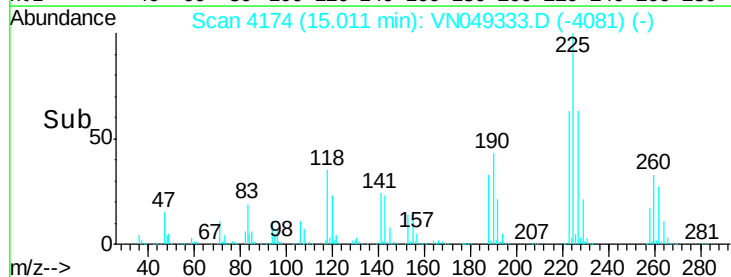
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	647484		
223	63.1	32.1	96.3	
227	64.1	31.8	95.3	

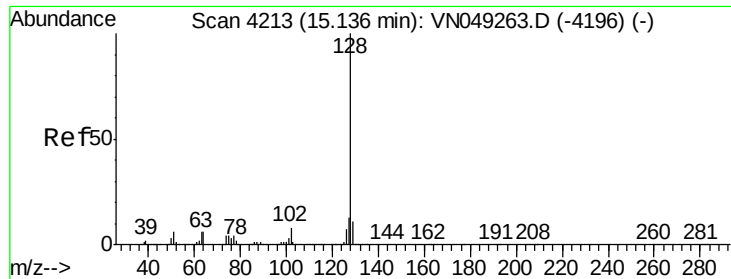


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





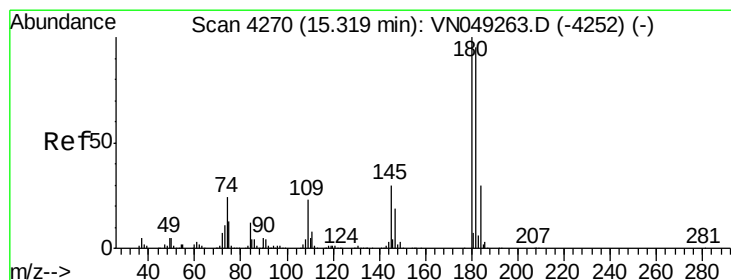
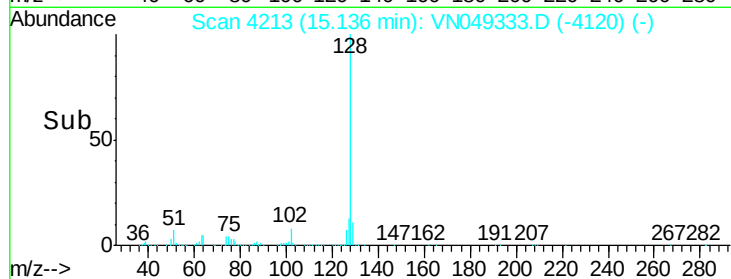
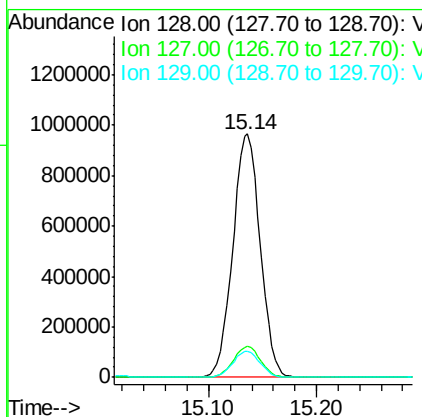
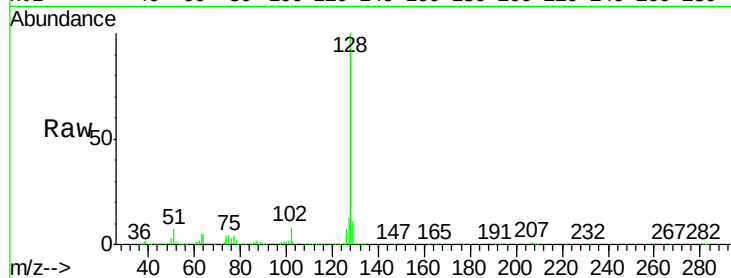
#95
Naphthalene
Concen: 52.075 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:55:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.552 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049333.D
Acq: 18 Jun 2018 10:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.8
145	30.1	15.6	46.7

