

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
 Data File : VN049391.D
 Acq On : 19 Jun 2018 17:46
 Operator : MD\SY
 Sample : VN0619WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/20/2018 4:54:01 PM

Quant Time: Jun 20 05:04:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1456127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2199131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1977112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	940471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	928583	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	7.59	113	817626	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
50) Toluene-d8	10.09	98	3031675	44.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.50%	
62) 4-Bromofluorobenzene	12.40	95	1006259	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	330544	19.722	ug/l	98
3) Chloromethane	2.06	50	417097	19.272	ug/l	97
4) Vinyl Chloride	2.18	62	449237	19.531	ug/l	99
5) Bromomethane	2.57	94	220777	18.259	ug/l	100
6) Chloroethane	2.70	64	275026	20.054	ug/l	99
7) Trichlorofluoromethane	3.01	101	566036	19.727	ug/l	98
8) Diethyl Ether	3.41	74	206927	20.656	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	353357	19.416	ug/l	94
10) Methyl Iodide	3.95	142	337388	17.808	ug/l	91
11) Tert butyl alcohol	4.81	59	135029	119.122	ug/l	98
12) 1,1-Dichloroethene	3.73	96	325692	19.507	ug/l	89
13) Acrolein	3.61	56	189257	159.211	ug/l	100
14) Allyl chloride	4.32	41	513007	19.460	ug/l	89
15) Acrylonitrile	4.99	53	616808	108.821	ug/l	99
16) Acetone	3.82	43	476549	101.625	ug/l	92
17) Carbon Disulfide	4.05	76	965830	18.456	ug/l	98
18) Methyl Acetate	4.33	43	326135	22.810	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	903953	21.235	ug/l	100
20) Methylene Chloride	4.55	84	376553	19.227	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	344230	19.475	ug/l	91
22) Diisopropyl ether	5.96	45	1087948	20.666	ug/l	99
23) Vinyl Acetate	5.90	43	3653791	106.466	ug/l	96
24) 1,1-Dichloroethane	5.85	63	658763	19.551	ug/l	99
25) 2-Butanone	6.84	43	685494	108.868	ug/l	94
26) 2,2-Dichloropropane	6.83	77	511291	18.789	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	385388	19.611	ug/l	92
28) Bromochloromethane	7.20	49	281373	18.836	ug/l #	83
29) Tetrahydrofuran	7.22	42	460196	113.540	ug/l	93
30) Chloroform	7.37	83	663840	19.797	ug/l	98
31) Cyclohexane	7.65	56	573780	19.982	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	568650	19.875	ug/l	97
36) 1,1-Dichloropropene	7.79	75	475640	18.871	ug/l	94
37) Ethyl Acetate	6.93	43	315196	23.004	ug/l #	94
38) Carbon Tetrachloride	7.78	117	500206	19.170	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	500103	18.484	ug/l	97
40) Benzene	8.04	78	1509479	19.535	ug/l	99
41) Methacrylonitrile	7.18	41	159902	21.587	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	476212	19.948	ug/l	96
43) Isopropyl Acetate	8.17	43	666500	25.459	ug/l	98
44) Trichloroethene	8.84	130	398091	19.509	ug/l	93
45) 1,2-Dichloropropane	9.12	63	400046	19.773	ug/l	99
46) Dibromomethane	9.21	93	238595	20.338	ug/l	92
47) Bromodichloromethane	9.41	83	501072	19.436	ug/l	97
48) Methyl methacrylate	9.20	41	266666	21.630	ug/l	87
49) 1,4-Dioxane	9.20	88	78031	458.593	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1563047	113.916	ug/l	95
52) Toluene	10.16	92	917770	20.237	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	478191	19.390	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	565357	19.415	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	340027	20.112	ug/l	98
56) Ethyl methacrylate	10.43	69	416235	21.340	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	567651	20.268	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	539797	87.302	ug/l	95
59) 2-Hexanone	10.76	43	1001746	113.243	ug/l	94
60) Dibromochloromethane	10.90	129	368388	19.523	ug/l	99
61) 1,2-Dibromoethane	11.01	107	325625	20.720	ug/l	99
64) Tetrachloroethene	10.63	164	422432	20.851	ug/l	98
65) Chlorobenzene	11.44	112	983331	19.307	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	369694	19.288	ug/l	99
67) Ethyl Benzene	11.51	91	1667504	19.738	ug/l	97
68) m/p-Xylenes	11.62	106	1279422	40.354	ug/l	95
69) o-Xylene	11.95	106	616175	20.178	ug/l	94
70) Styrene	11.97	104	980621	20.355	ug/l	97
71) Bromoform	12.13	173	257615	20.764	ug/l #	99
73) Isopropylbenzene	12.25	105	1626124	19.692	ug/l	98
74) N-amyl acetate	12.07	43	429696	21.245	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	406798	22.725	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	364442m	22.711	ug/l	
77) Bromobenzene	12.53	156	414216	18.991	ug/l	92
78) n-propylbenzene	12.59	91	1788093	19.721	ug/l	99
79) 2-Chlorotoluene	12.68	91	1111006	19.339	ug/l	97
80) 1,3,5-Trimethylbenzene	12.74	105	1301374	20.051	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	103868	20.458	ug/l	95
82) 4-Chlorotoluene	12.78	91	1093642	19.733	ug/l	97
83) tert-Butylbenzene	13.00	119	1093222	19.012	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1303616	20.218	ug/l	98
85) sec-Butylbenzene	13.17	105	1456190	19.027	ug/l	100
86) p-Isopropyltoluene	13.29	119	1220267	19.084	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	679510	18.937	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	653116	18.364	ug/l	99
89) n-Butylbenzene	13.62	91	873715	17.494	ug/l	97
90) Hexachloroethane	13.88	117	257385	20.260	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	683504	19.422	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59935	20.848	ug/l	89

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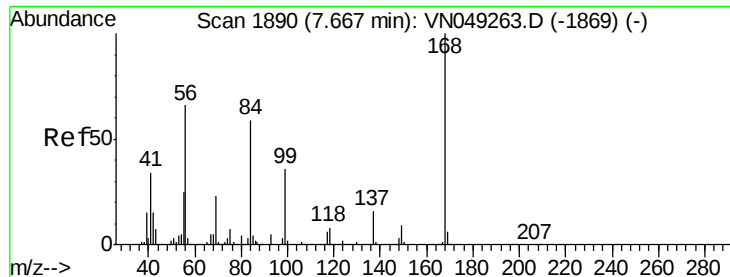
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	217111	16.927	ug/l	100
94) Hexachlorobutadiene	15.01	225	202541	17.933	ug/l	99
95) Naphthalene	15.14	128	457920	18.815	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	246868	18.032	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion:168 Resp: 1456127

Ion Ratio Lower Upper

168 100

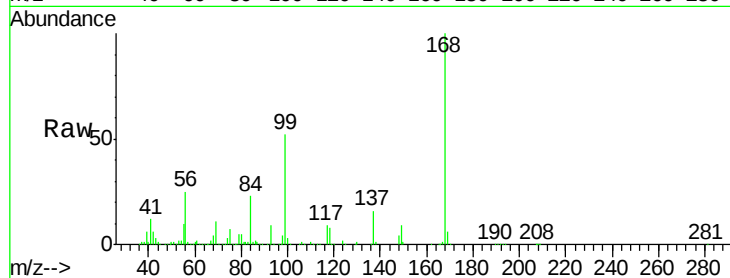
99 51.7 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

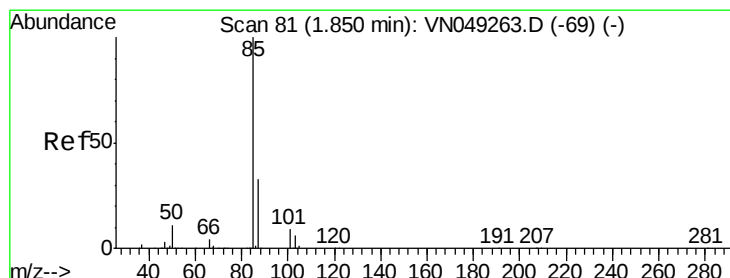
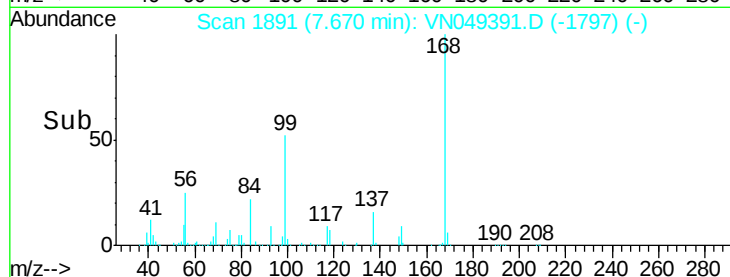
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 19.722 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049391.D

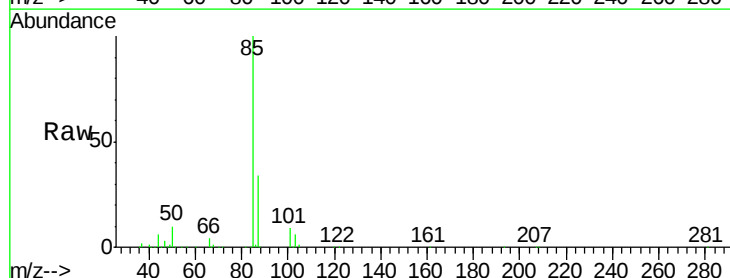
Acq: 19 Jun 2018 17:46

Tgt Ion: 85 Resp: 330544

Ion Ratio Lower Upper

85 100

87 33.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

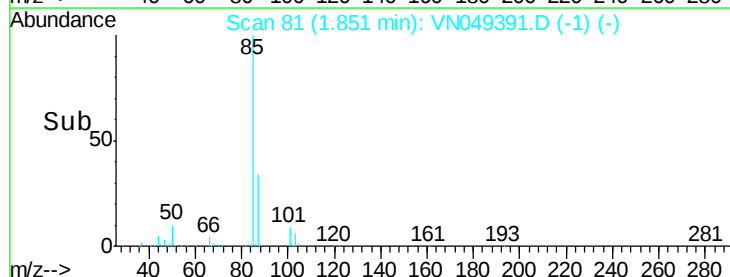
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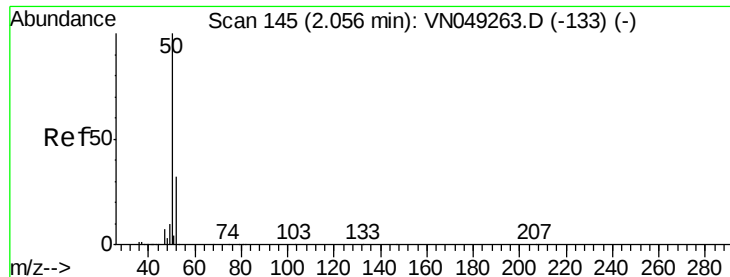
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 19.272 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

ClientSampled :

VN0619WBSD01

Tot Ion: 50 Resp: 417097

Ion Ratio Lower Upper

50 100

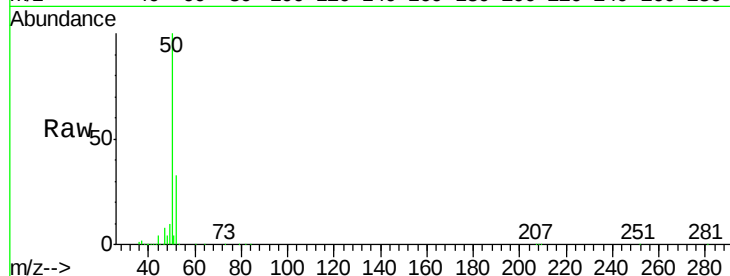
52 33.1 25.2 37.8

Manual Integrations

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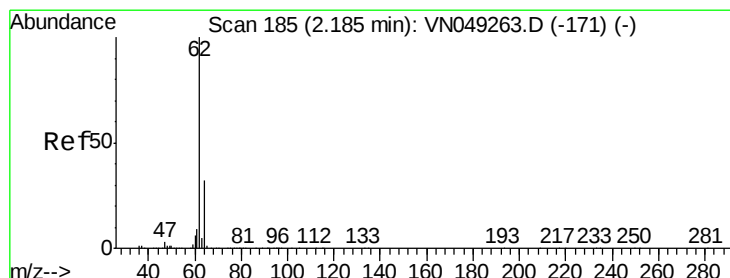
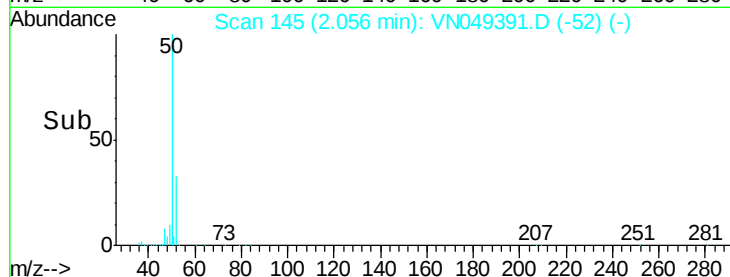
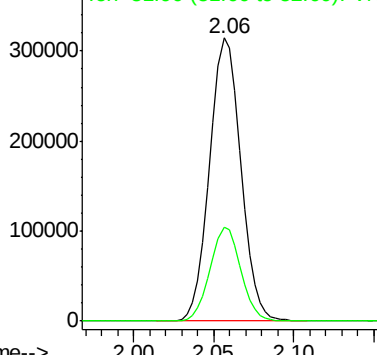
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.531 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049391.D

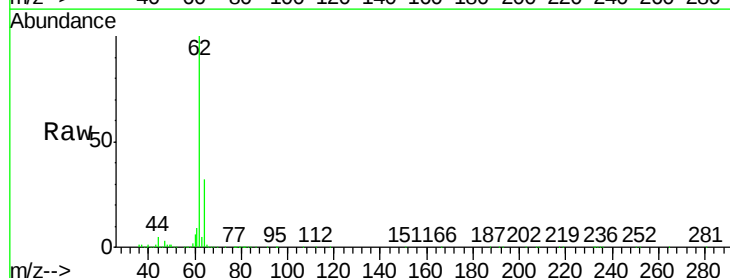
Acq: 19 Jun 2018 17:46

Tgt Ion: 62 Resp: 449237

Ion Ratio Lower Upper

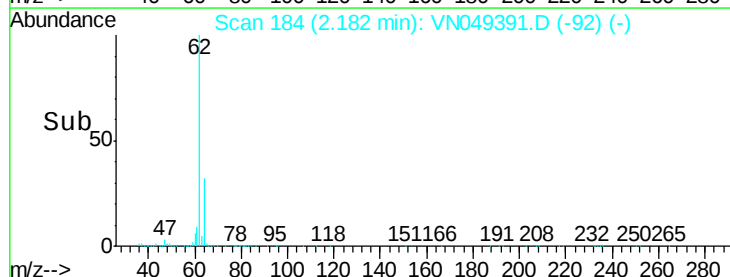
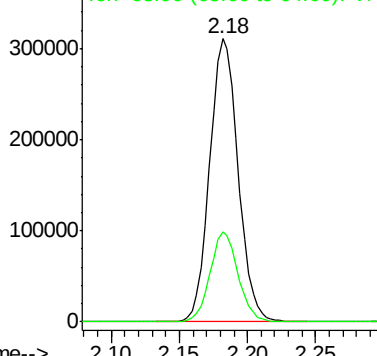
62 100

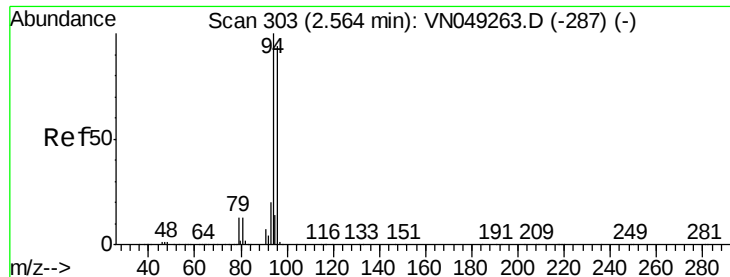
64 31.7 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.259 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

ClientSampled :

VN0619WBSD01

Tot Ion: 94 Resp: 220777

Ion Ratio Lower Upper

94 100

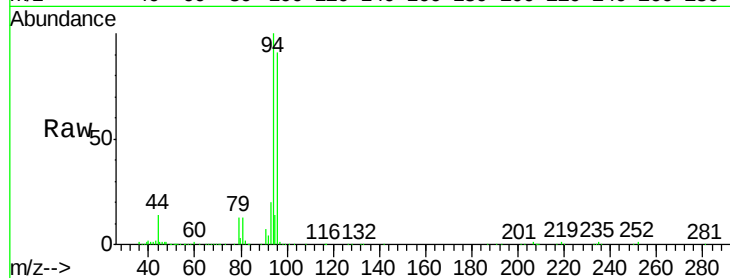
96 91.1 72.8 109.2

Manual Integrations

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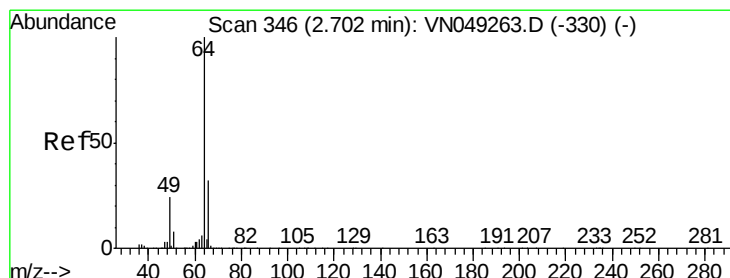
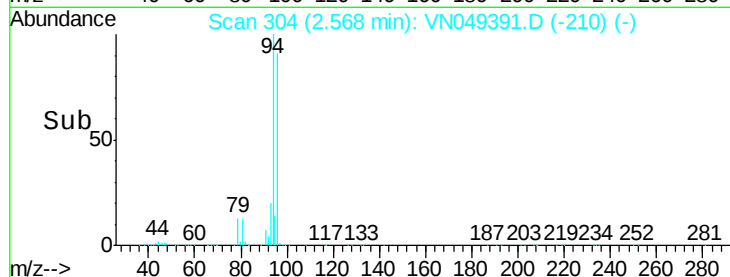
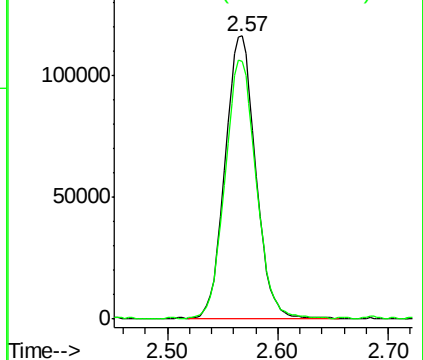
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.054 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049391.D

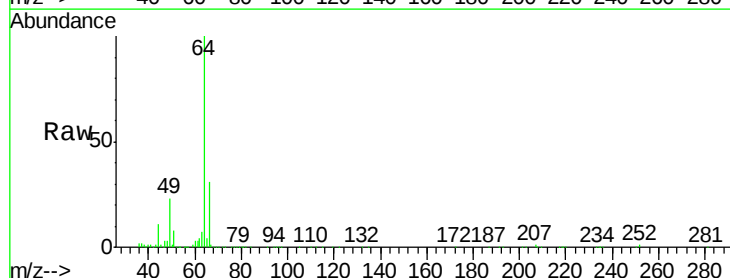
Acq: 19 Jun 2018 17:46

Tgt Ion: 64 Resp: 275026

Ion Ratio Lower Upper

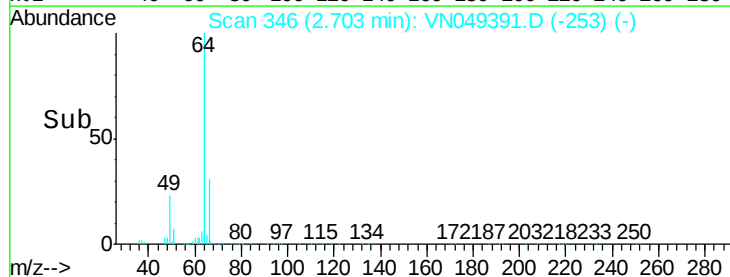
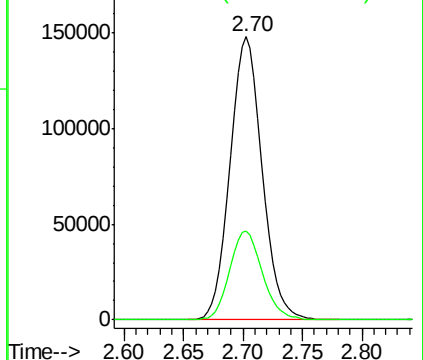
64 100

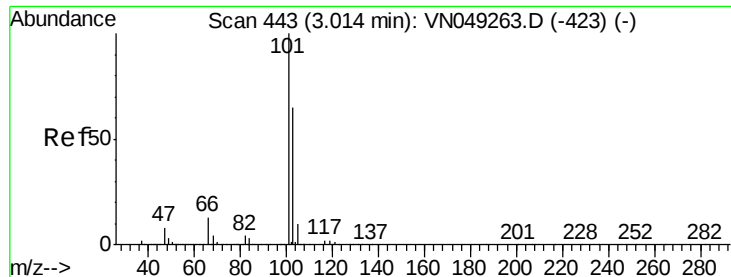
66 31.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

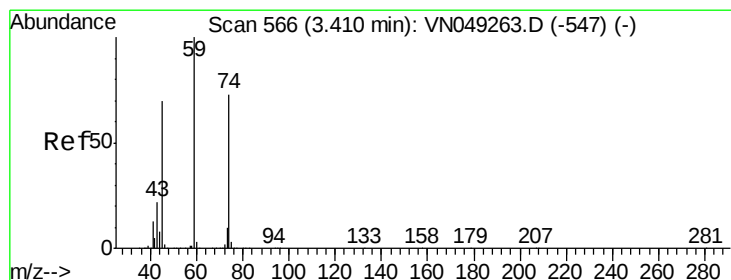
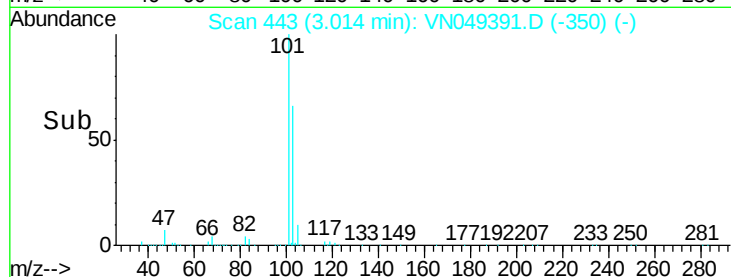
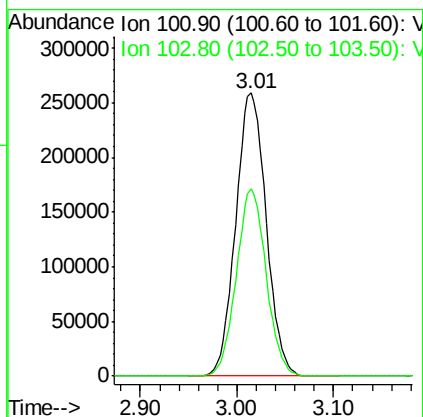
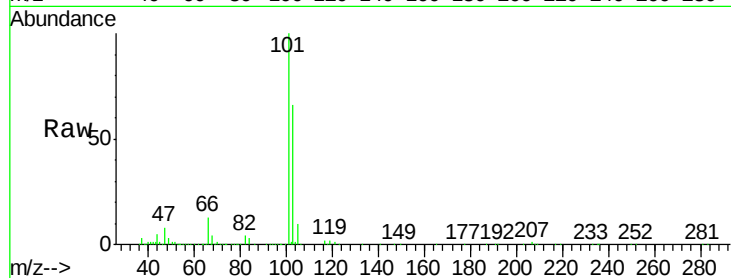
Trichlorofluoromethane
Concen: 19.727 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
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VN0619WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		566036		
103	66.2		51.7	77.5	

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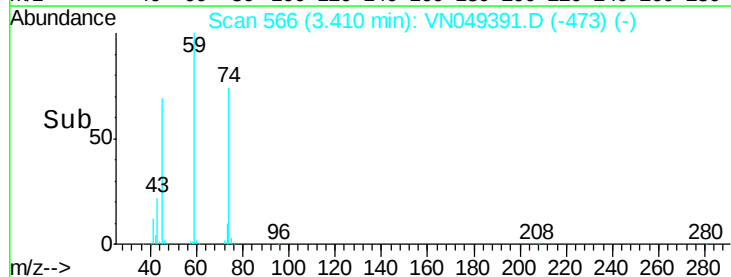
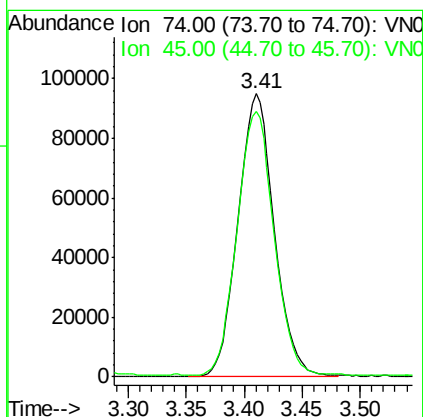
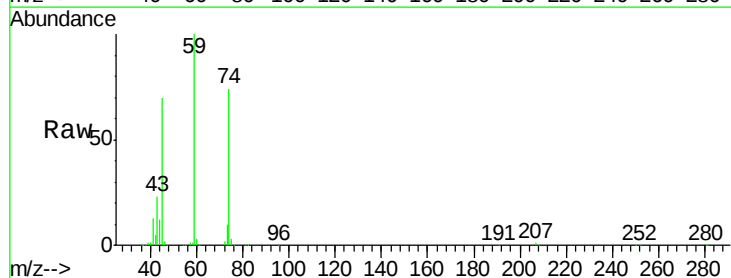
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6/20/2018 4:54:01 PM

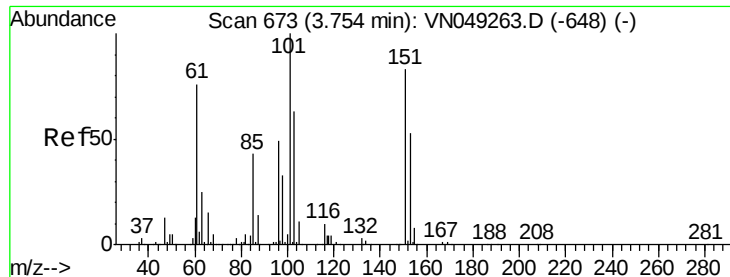


#8

Diethyl Ether
Concen: 20.656 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		206927		
45	94.5		51.9	155.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.416 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

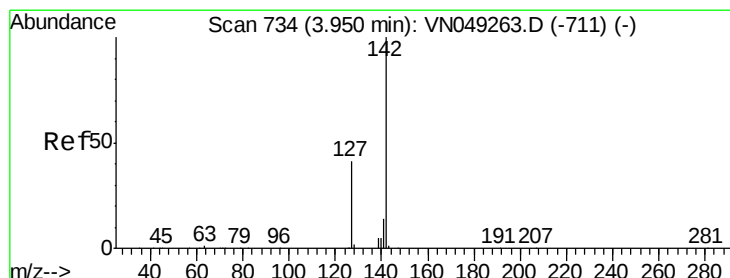
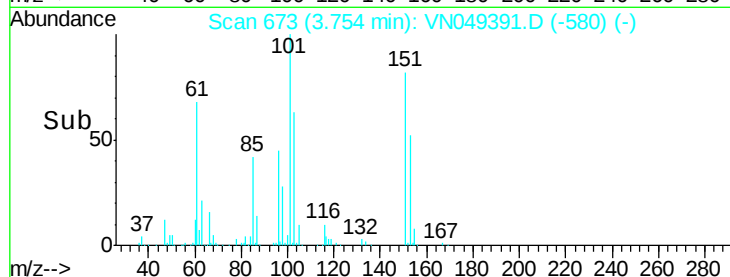
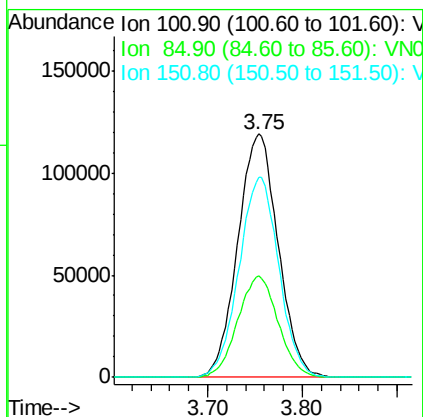
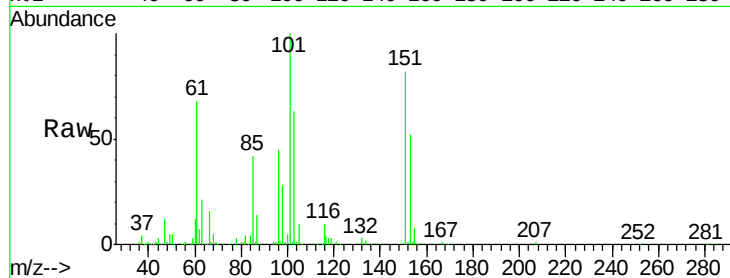
ClientSampleId :

VN0619WBSD01

Tot Ion:	101	Resp:	353357
Ion Ratio	Lower	Upper	
101	100		
85	41.7	37.6	56.4
151	81.1	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 17.808 ug/l

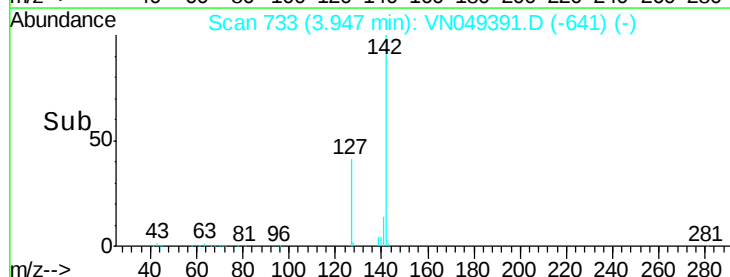
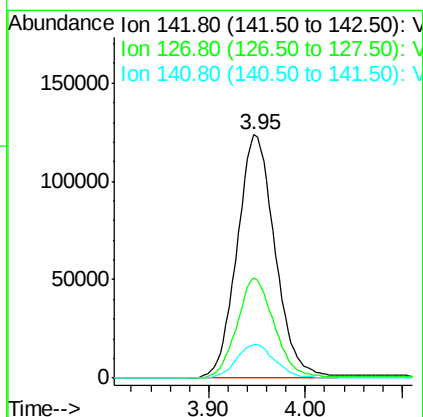
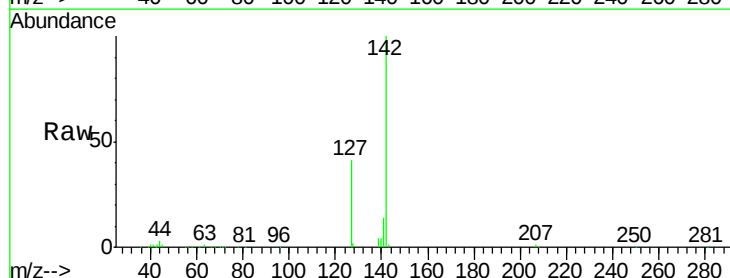
RT: 3.95 min Scan# 733

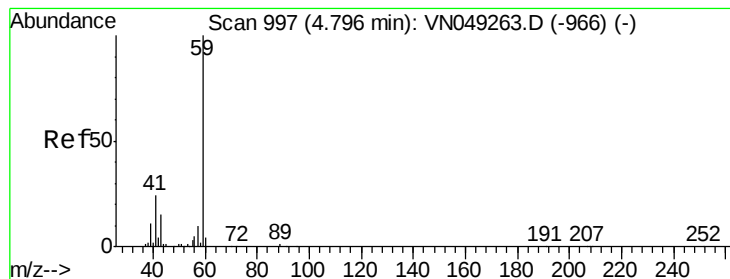
Delta R.T. -0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Tgt Ion:	142	Resp:	337388
Ion Ratio	Lower	Upper	
142	100		
127	40.4	38.2	57.4
141	14.0	11.9	17.9





#11

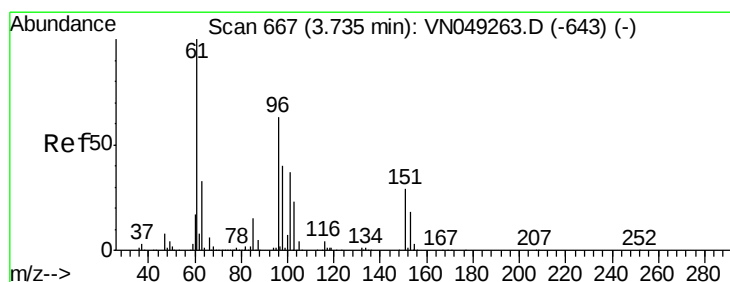
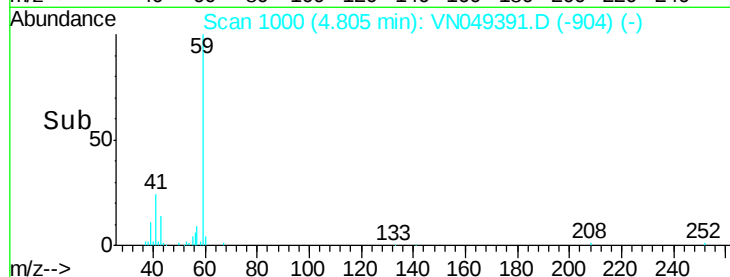
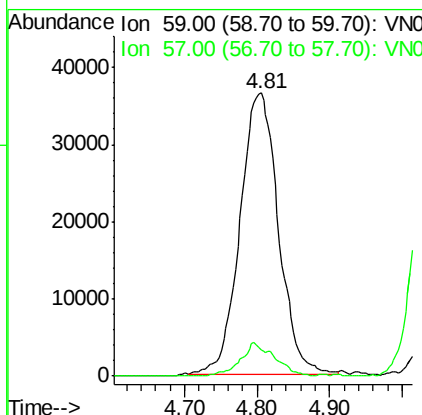
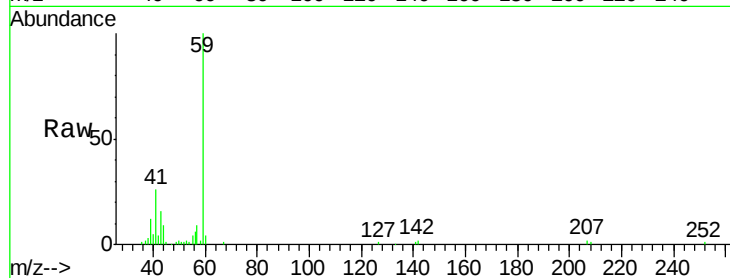
Tert butyl alcohol
Concen: 119.122 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.0	13.6

Manual Integrations
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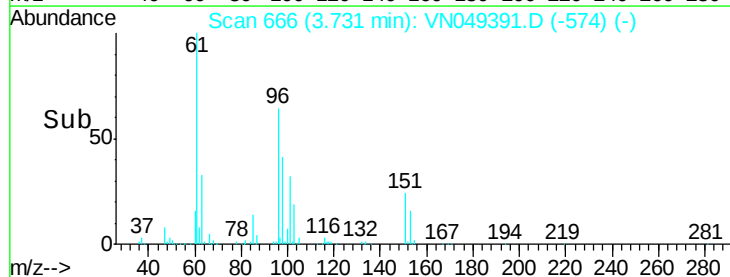
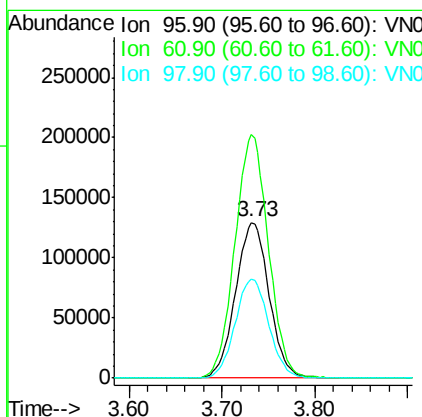
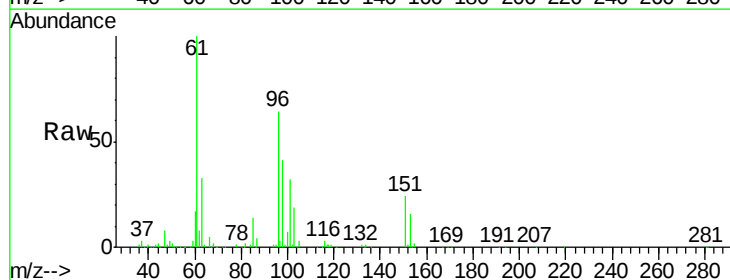
MMDadoda
6/20/2018 4:54:01 PM

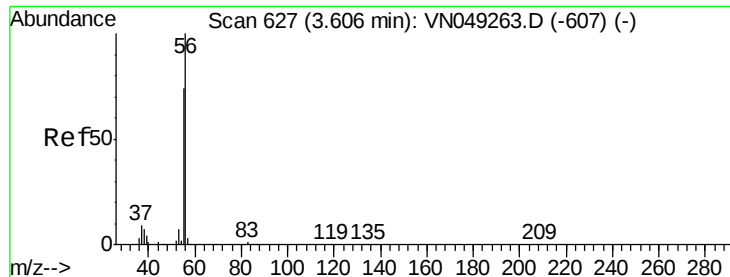


#12

1,1-Dichloroethene
Concen: 19.507 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.7	141.0	211.4
98	64.0	50.4	75.6





#13

Acrolein

Concen: 159.211 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 56 Resp: 189257

Ion Ratio Lower Upper

56 100

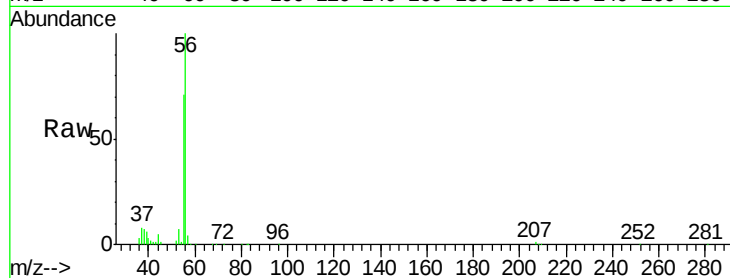
55 71.6 57.1 85.7

Manual Integrations

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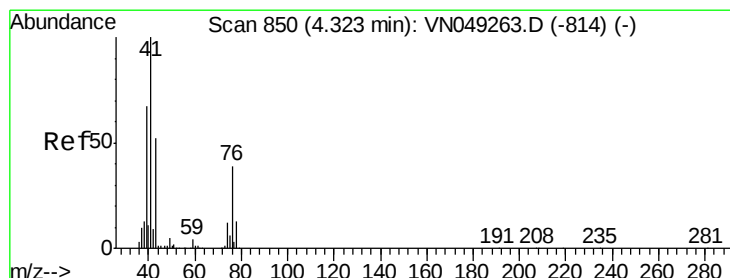
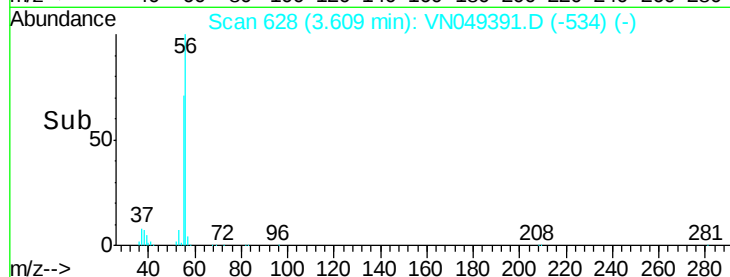
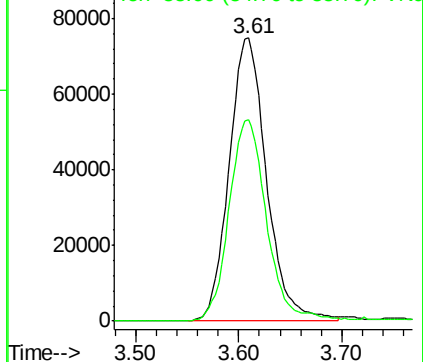
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.460 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

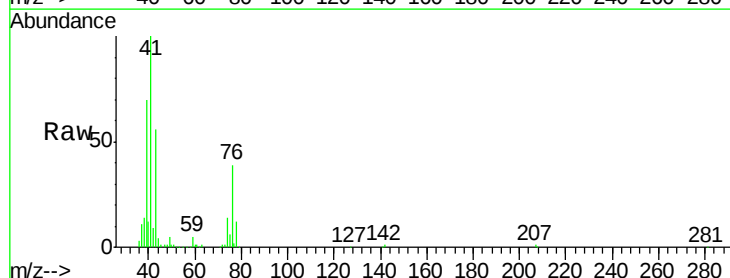
Tgt Ion: 41 Resp: 513007

Ion Ratio Lower Upper

41 100

39 66.6 62.5 93.7

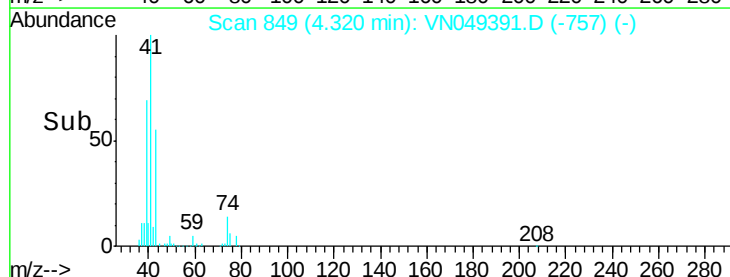
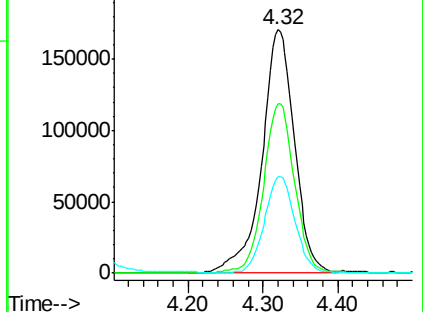
76 37.1 27.1 40.7



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





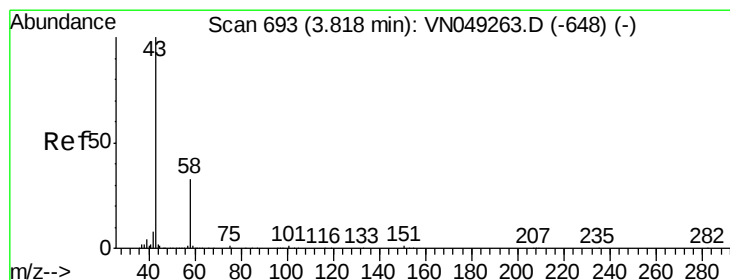
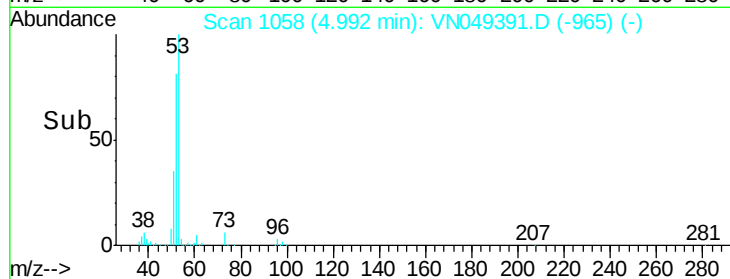
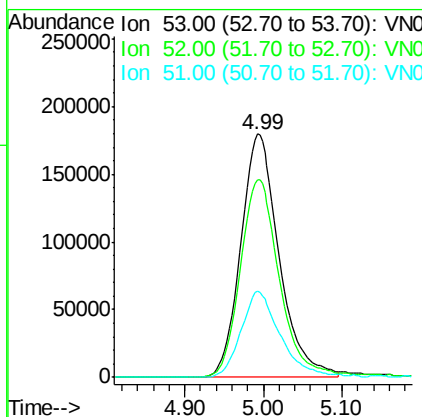
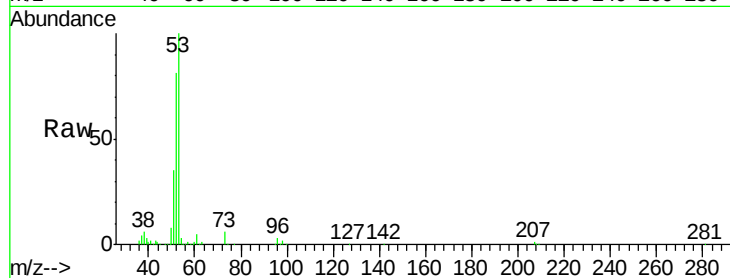
#15
 Acrylonitrile
 Concen: 108.821 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049391.D
 Acq: 19 Jun 2018 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.6	100.0
51	36.2	29.8	44.8

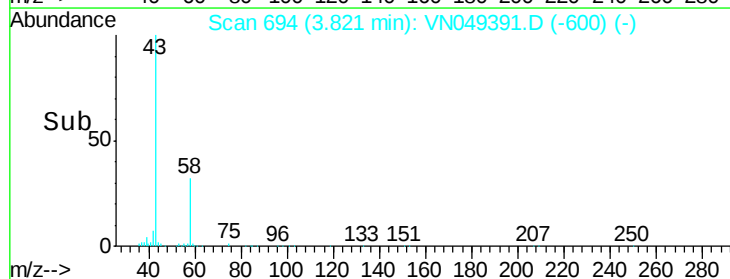
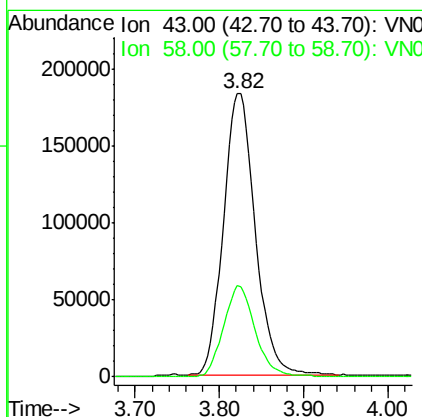
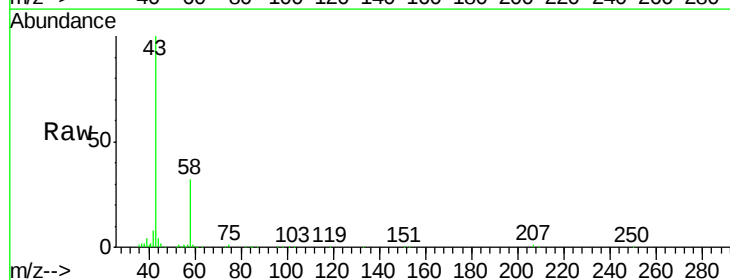
Manual Integrations
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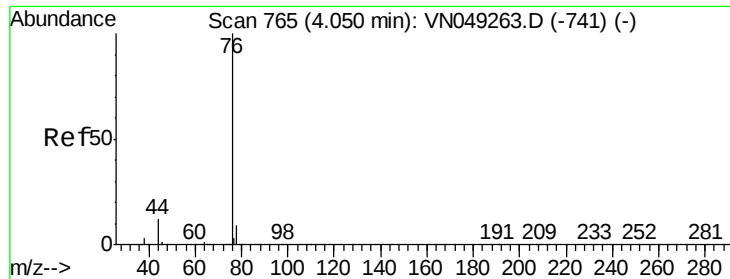
MMDadoda
 6/20/2018 4:54:01 PM



#16
 Acetone
 Concen: 101.625 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049391.D
 Acq: 19 Jun 2018 17:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.2	22.4	33.6





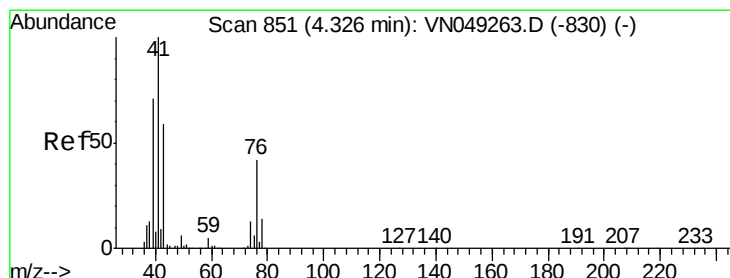
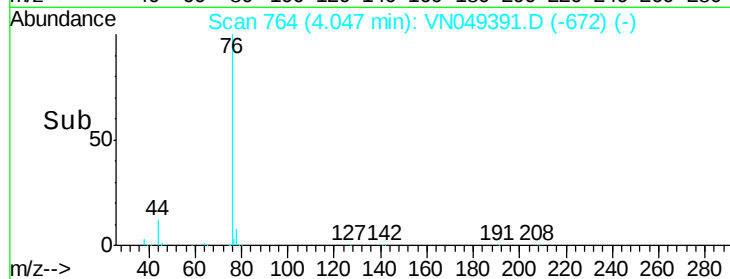
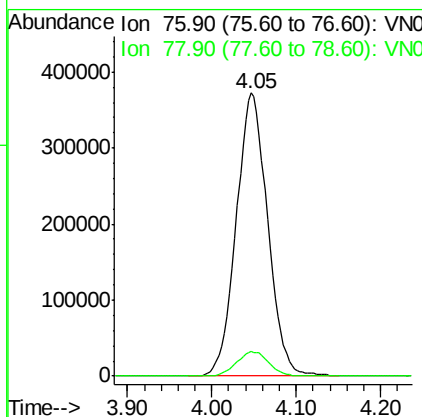
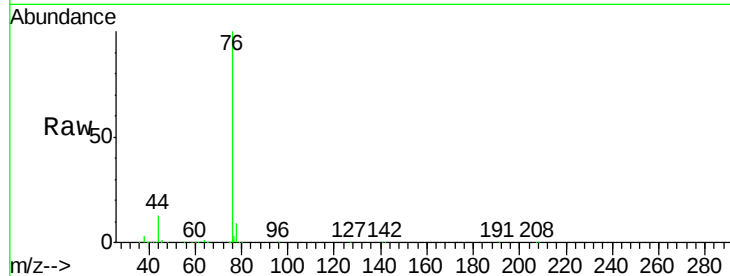
#17
Carbon Disulfide
Concen: 18.456 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

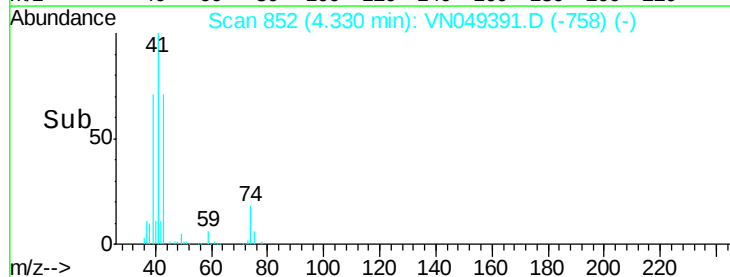
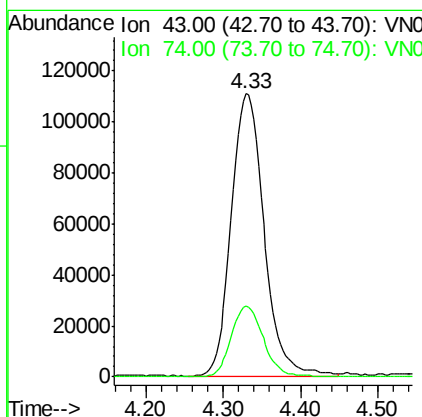
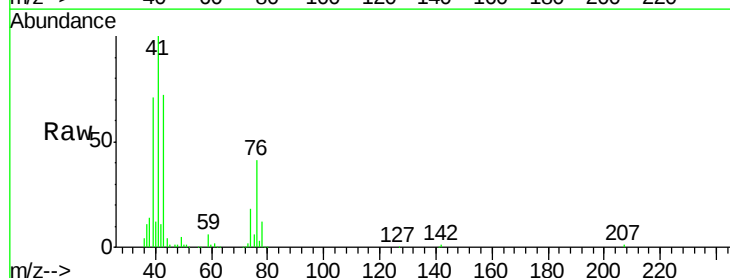
Manual Integrations
APPROVED

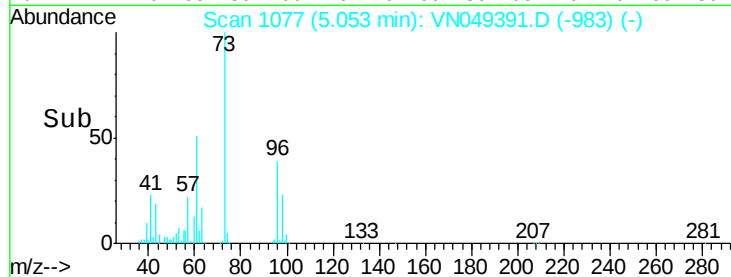
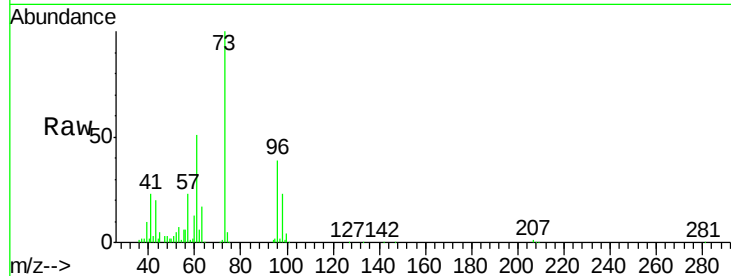
MMDadoda
6/20/2018 4:54:01 PM



#18
Methyl Acetate
Concen: 22.810 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	17.4	26.0





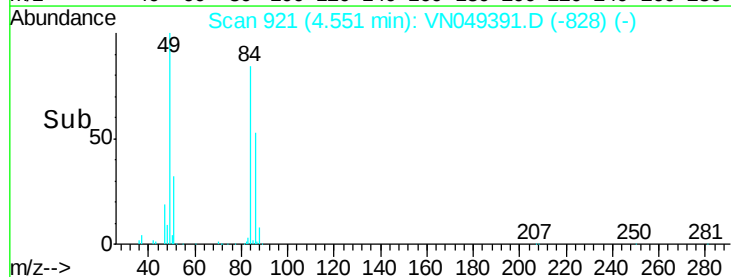
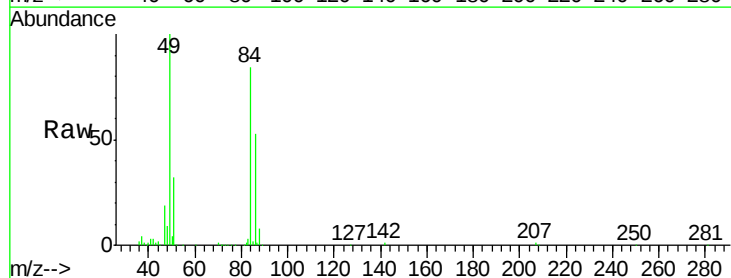
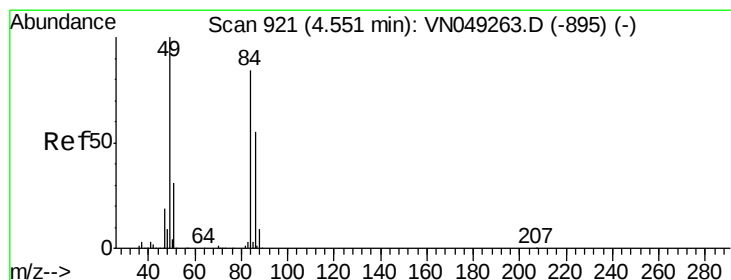
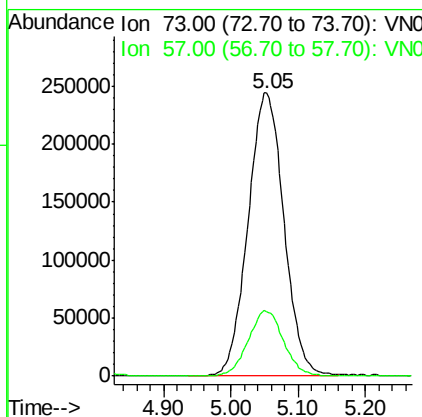
#19
Methvl tert-butvl Ether
Concen: 21.235 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tot Ion: 73 Resp: 903953
Ion Ratio Lower Upper
73 100
57 22.7 18.2 27.4

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

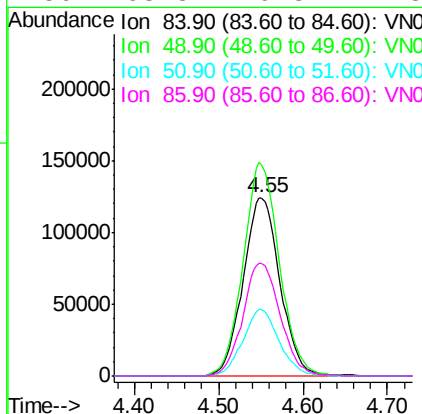
Manual Integrations
APPROVED

MMDadoda
6/20/2018 4:54:01 PM



#20
Methylene Chloride
Concen: 19.227 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion: 84 Resp: 376553
Ion Ratio Lower Upper
84 100
49 118.6 106.9 160.3
51 37.4 32.7 49.1
86 63.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.475 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

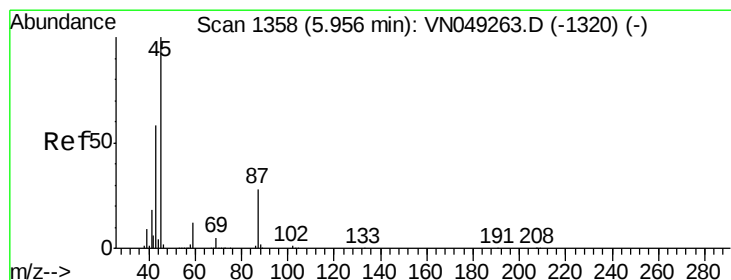
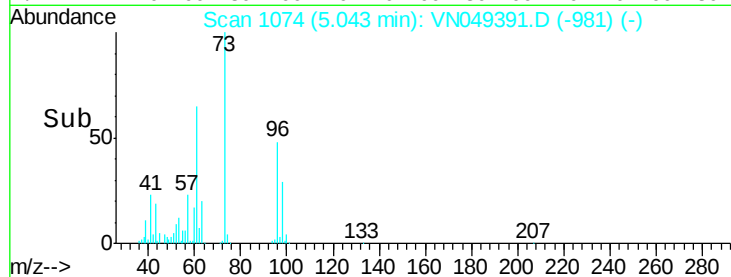
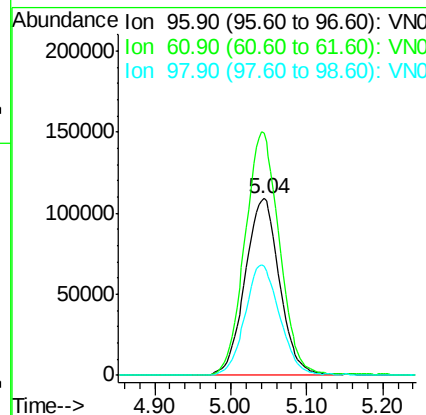
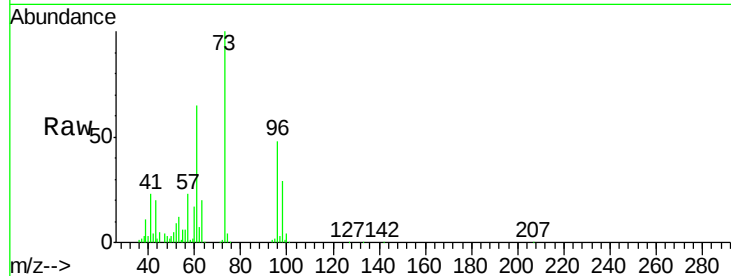
ClientSampleId :

VN0619WBSD01

Tot Ion:	96	Resp:	344230
Ion	Ratio	Lower	Upper
96	100		
61	137.3	121.3	181.9
98	61.5	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.666 ug/l

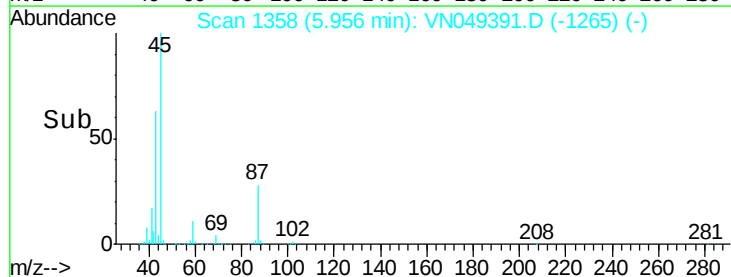
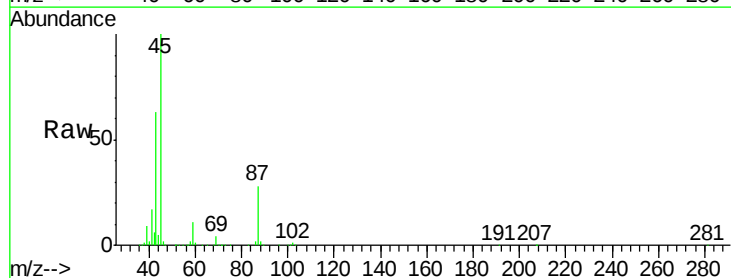
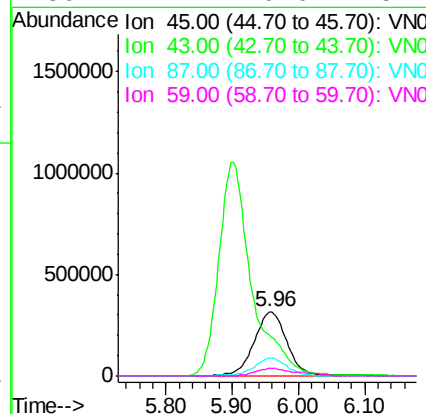
RT: 5.96 min Scan# 1358

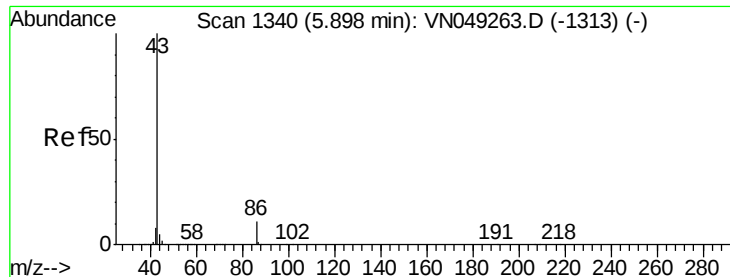
Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Tgt Ion:	45	Resp:	1087948
Ion	Ratio	Lower	Upper
45	100		
43	60.7	48.6	72.8
87	27.6	20.2	30.2
59	11.1	9.0	13.4





#23

Vinyl Acetate

Concen: 106.466 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 43 Resp: 3653791

Ion Ratio Lower Upper

43 100

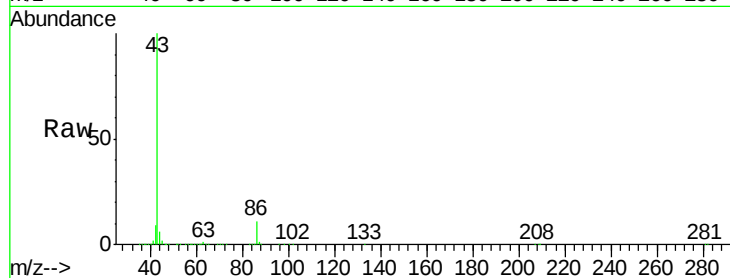
86 10.6 7.2 10.8

Manual Integrations

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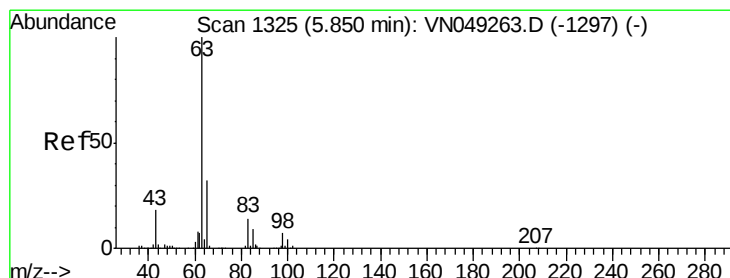
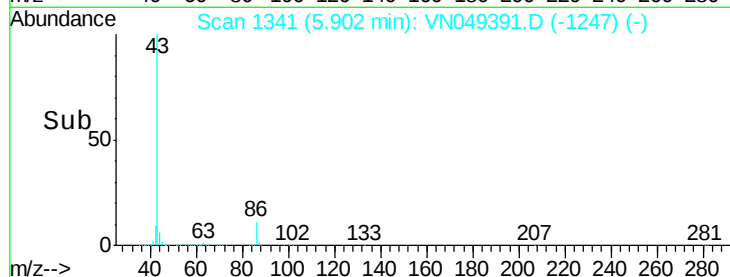
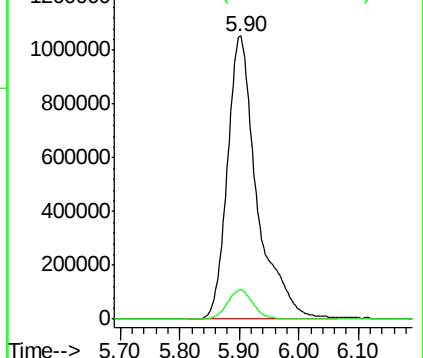
MMDadoda

6/20/2018 4:54:01 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: 19.551 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

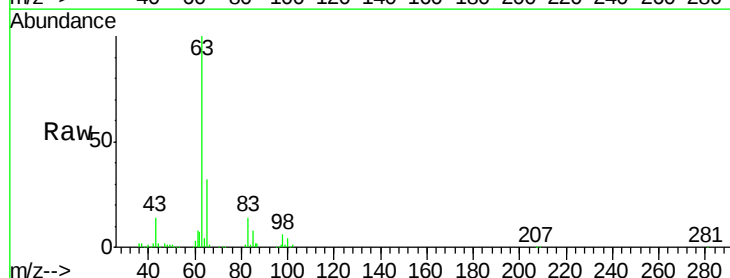
Tgt Ion: 63 Resp: 658763

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

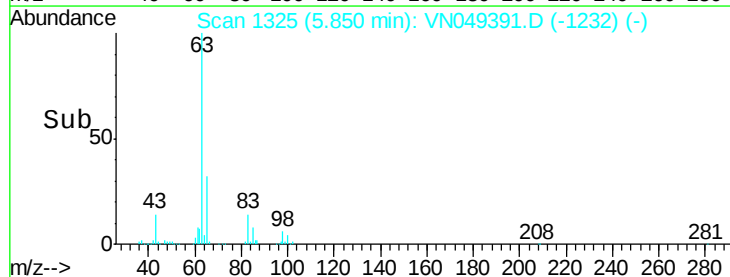
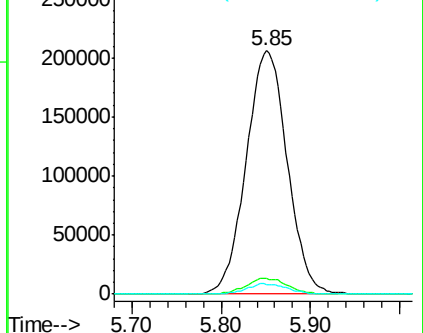
100 4.1 2.1 6.3



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: 108.868 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 43 Resp: 685494

Ion Ratio Lower Upper

43 100

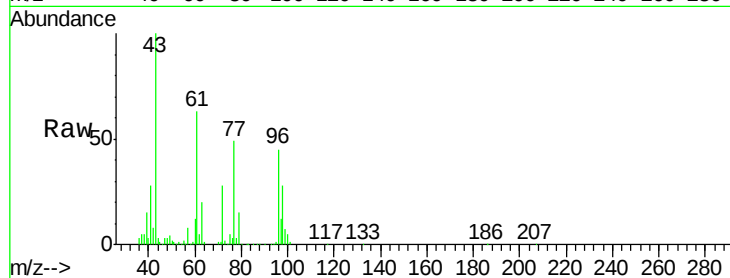
72 28.1 20.2 30.2

Manual Integrations

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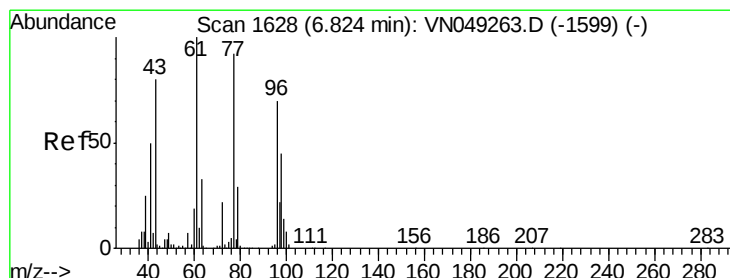
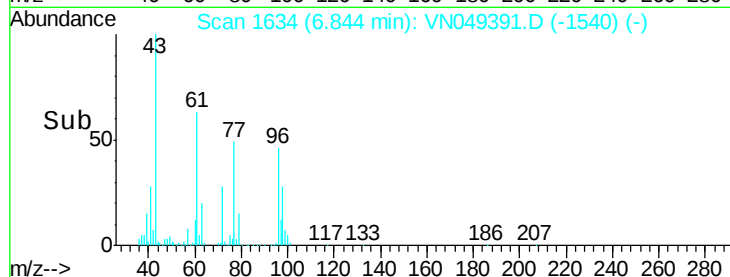
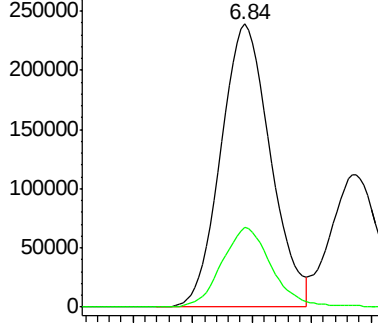
MMDadoda

6/20/2018 4:54:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.789 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049391.D

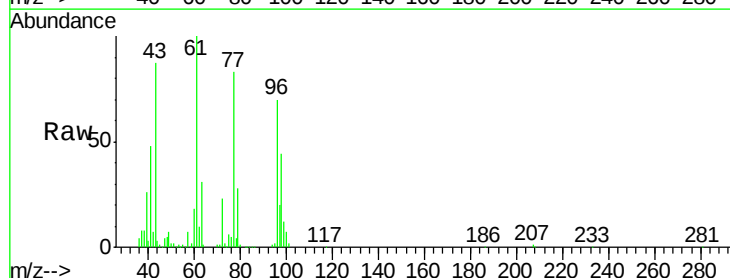
Acq: 19 Jun 2018 17:46

Tgt Ion: 77 Resp: 511291

Ion Ratio Lower Upper

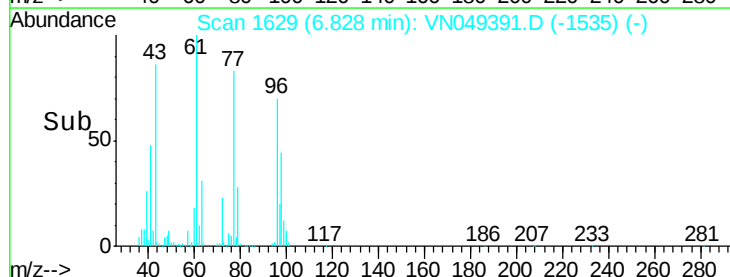
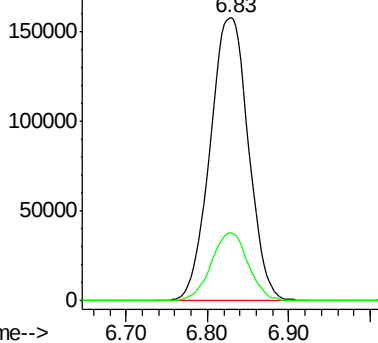
77 100

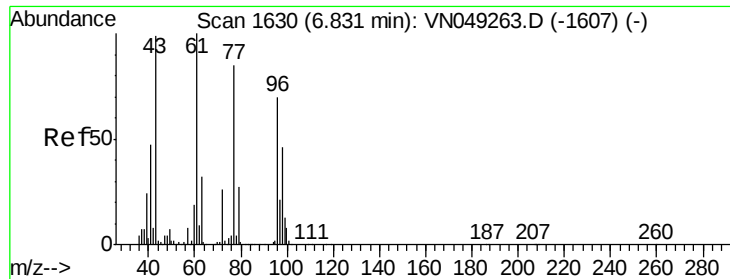
97 23.3 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.611 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

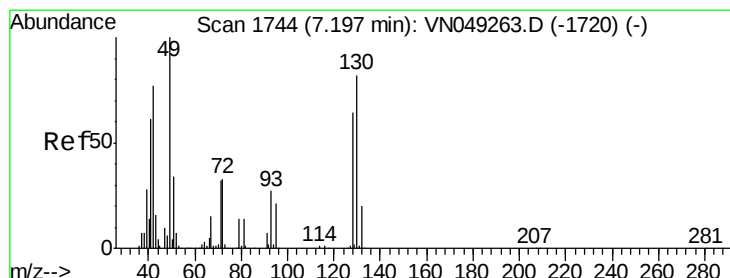
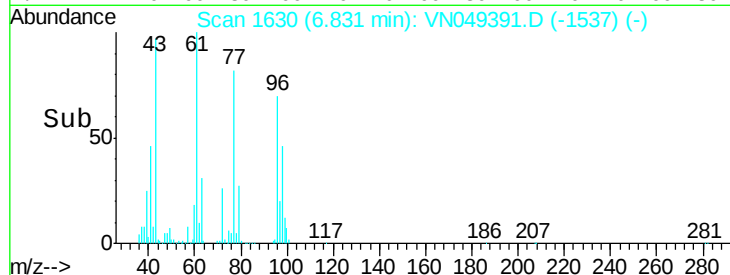
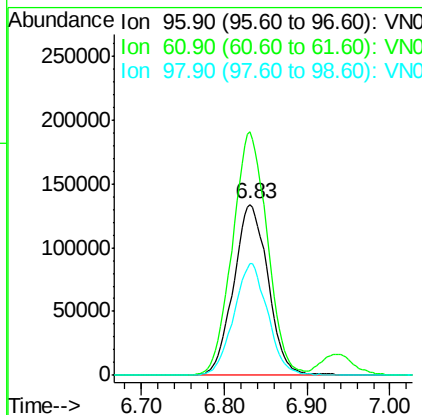
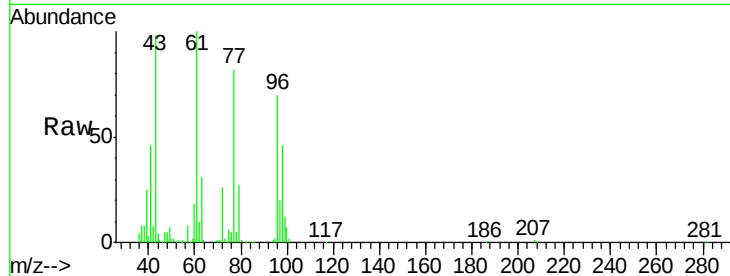
ClientSampleId :

VN0619WBSD01

Tot Ion:	96	Resp:	385388
Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	316.4
98	64.9	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 18.836 ug/l

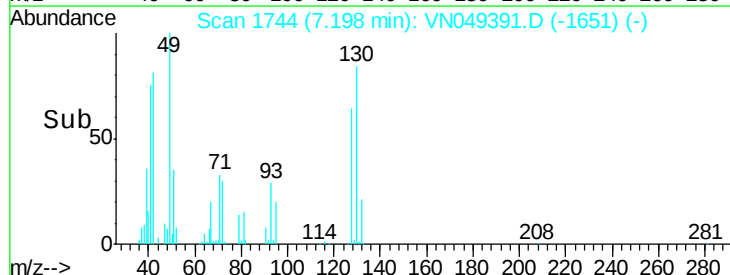
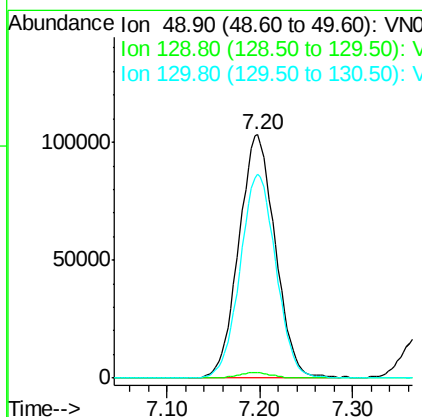
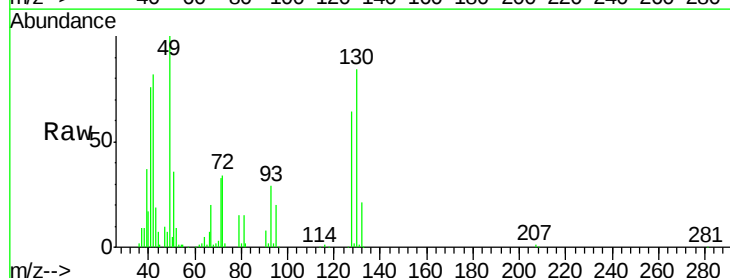
RT: 7.20 min Scan# 1744

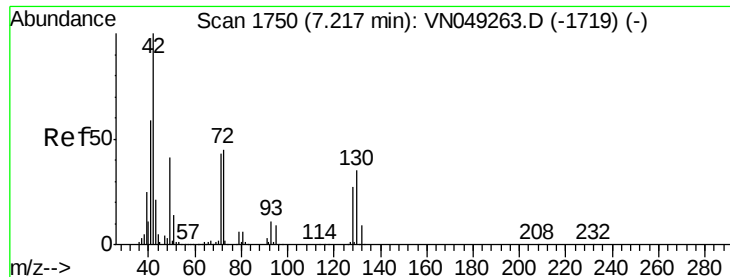
Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Tgt Ion:	49	Resp:	281373
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	82.6	54.9	82.3#





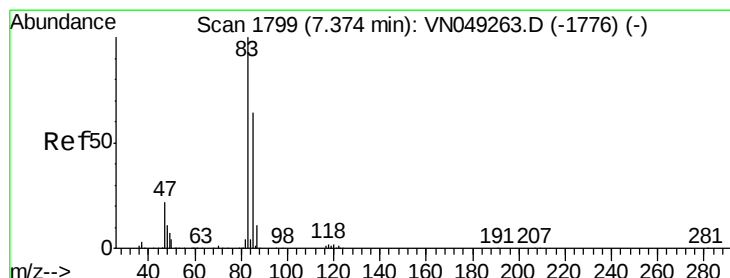
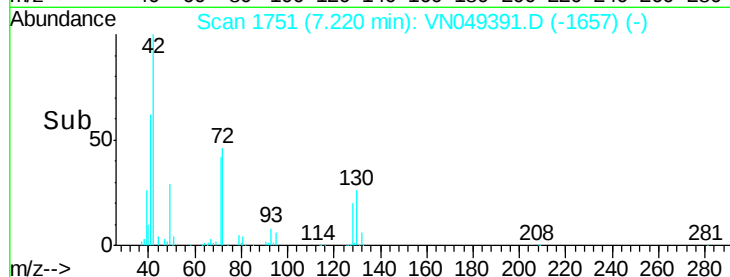
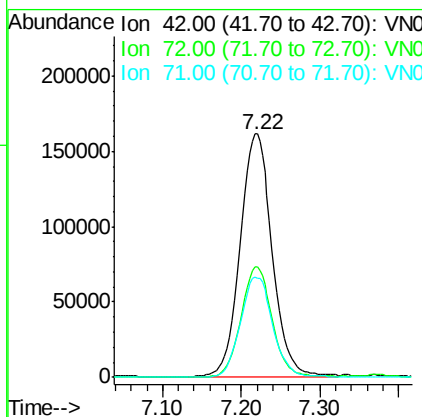
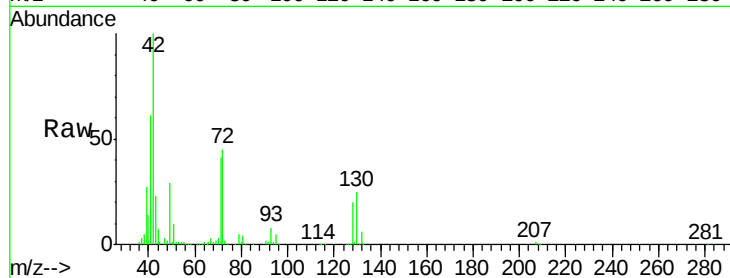
#29
Tetrahydrofuran
Concen: 113.540 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	32.2	48.4
71	42.0	30.5	45.7

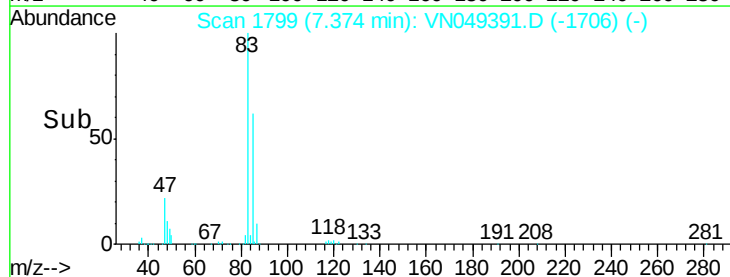
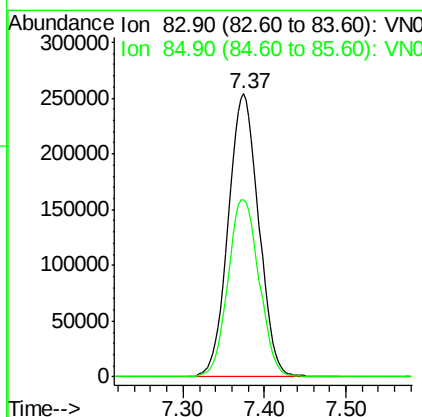
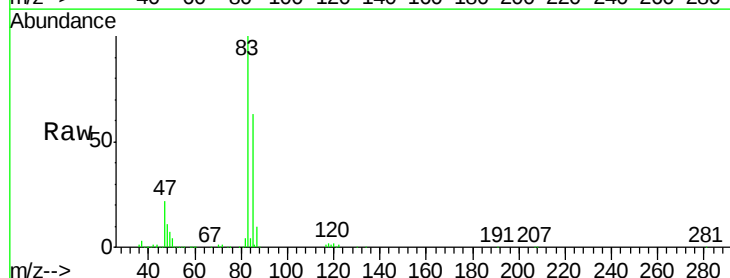
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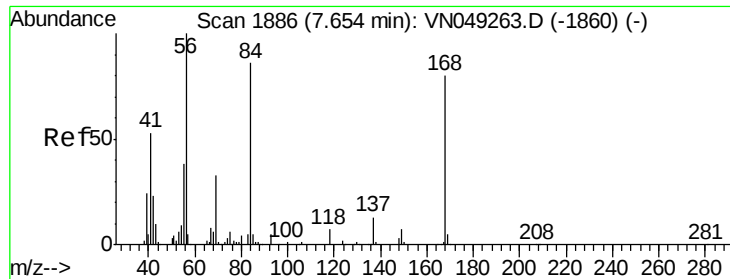
MMDadoda
6/20/2018 4:54:01 PM



#30
Chloroform
Concen: 19.797 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.7	77.5





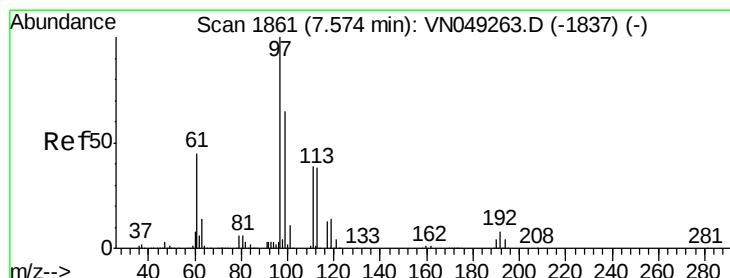
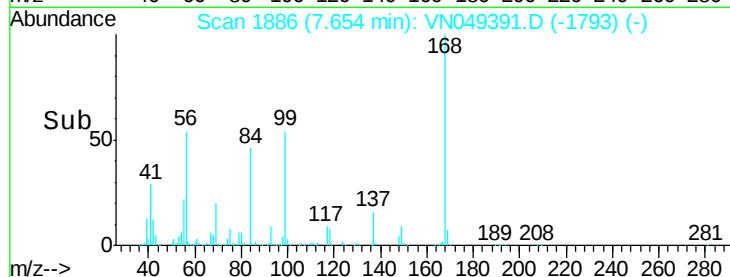
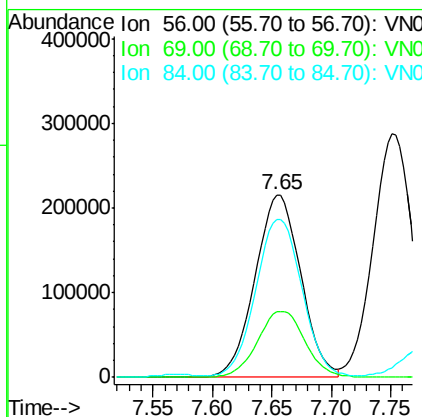
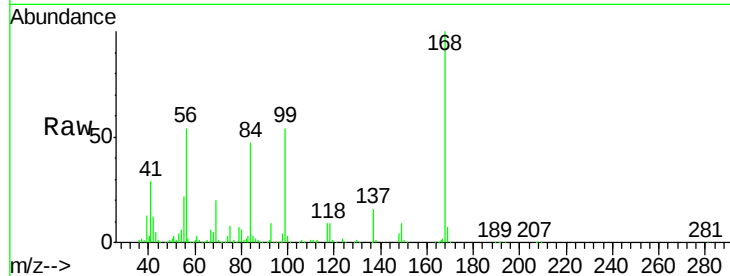
#31
Cyclohexane
Concen: 19.982 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.9	25.0	37.4
84	84.8	64.6	96.8

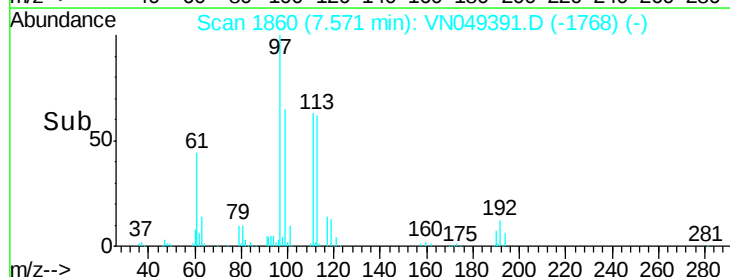
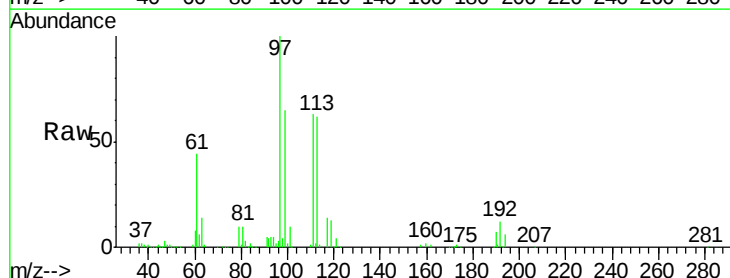
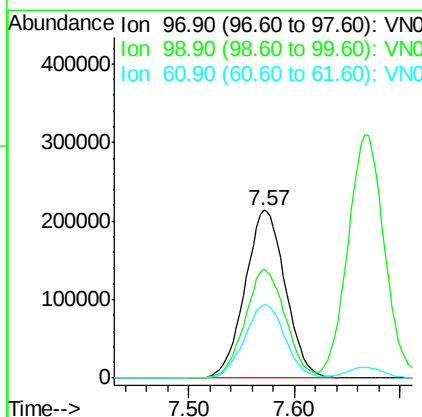
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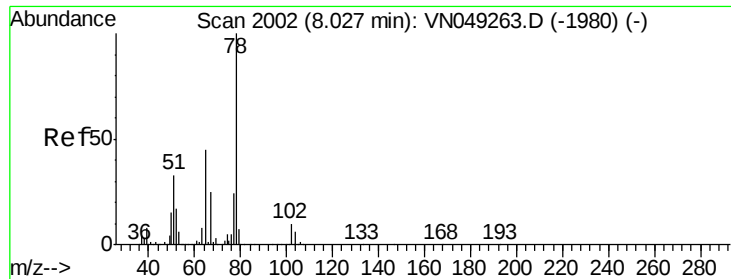
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.875 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.5	75.7
61	44.0	37.9	56.9





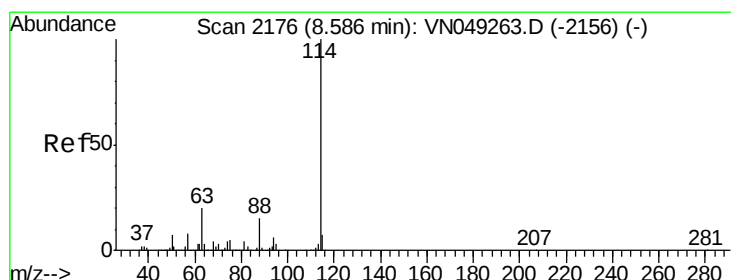
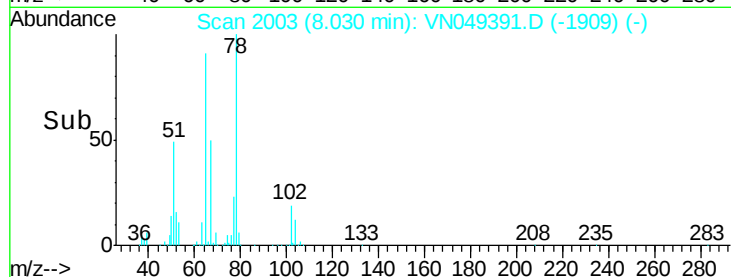
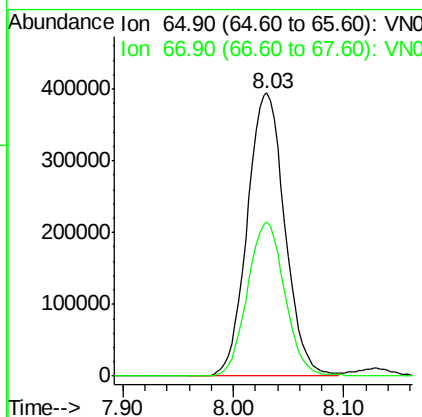
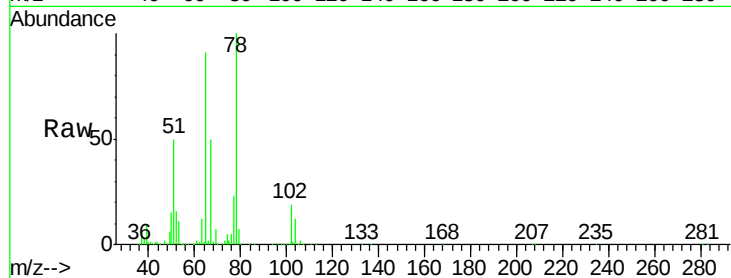
#33
 1,2-Dichloroethane-d4
 Concen: 48.080 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049391.D
 Acq: 19 Jun 2018 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion: 65 Resp: 928583
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 103.8

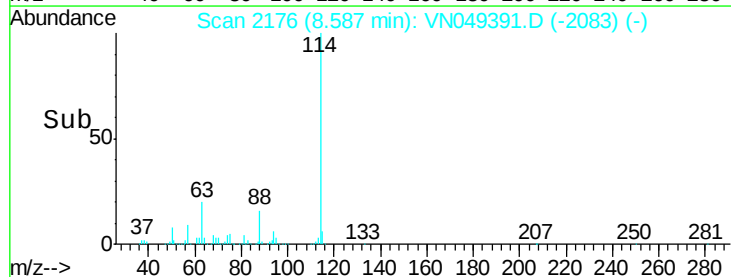
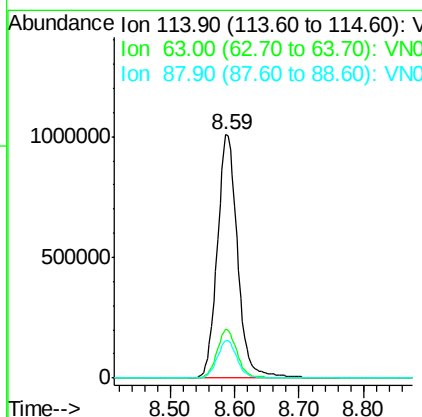
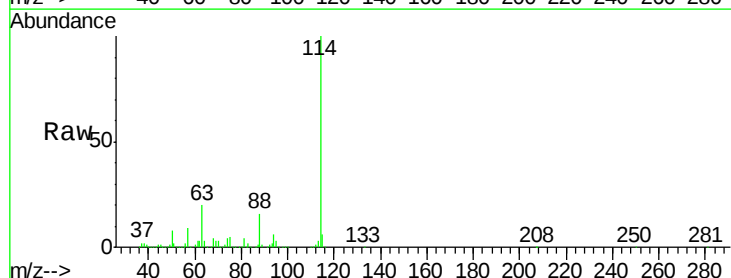
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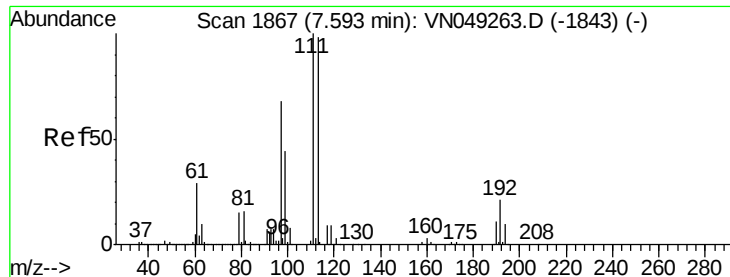
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 6/20/2018 4:54:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049391.D
 Acq: 19 Jun 2018 17:46

Tgt Ion: 114 Resp: 2199131
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 44.4
 88 15.7 0.0 31.4





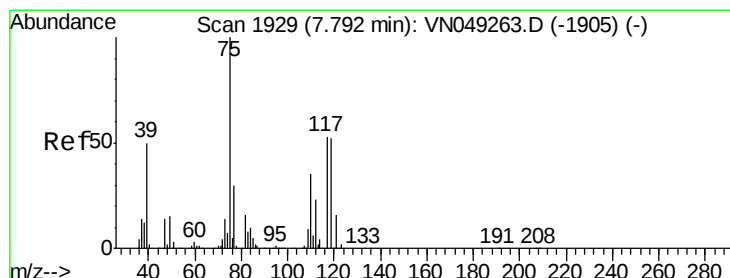
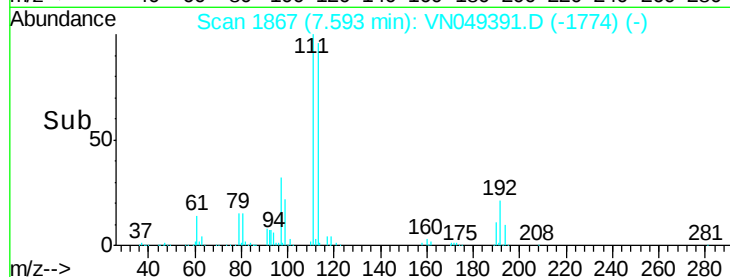
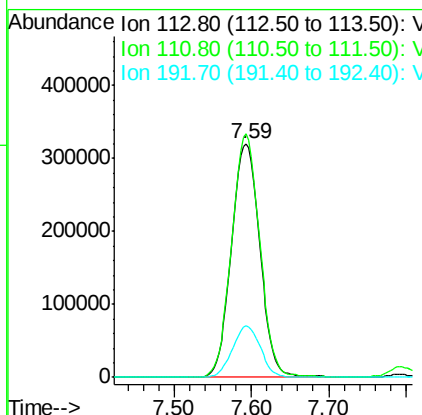
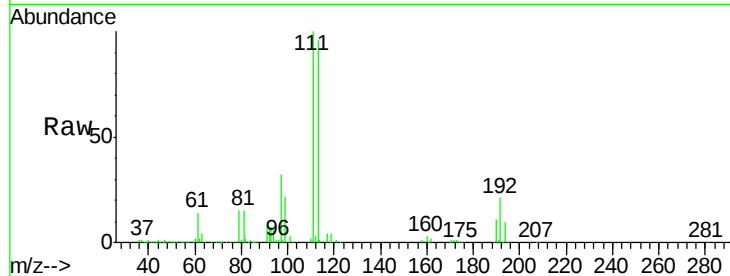
#35
Dibromofluoromethane
Concen: 45.955 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.3	82.4	123.6	
192	21.6	15.0	22.6	

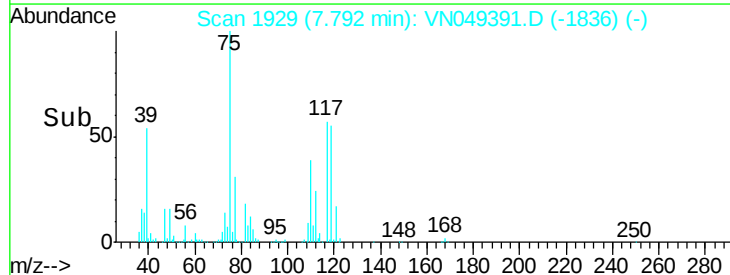
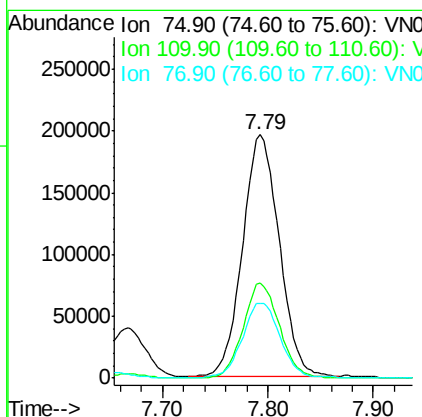
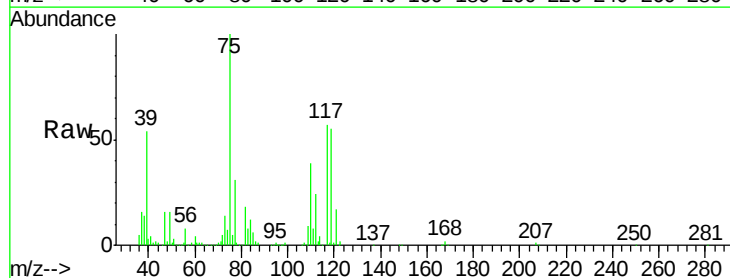
Manual Integrations
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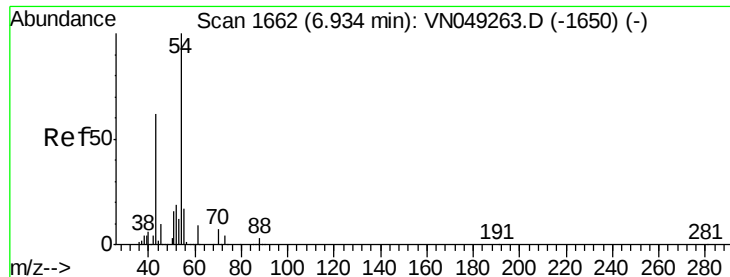
MMDadoda
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#36
1,1-Dichloropropene
Concen: 18.871 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.8	17.0	50.9	
77	32.0	24.4	36.6	





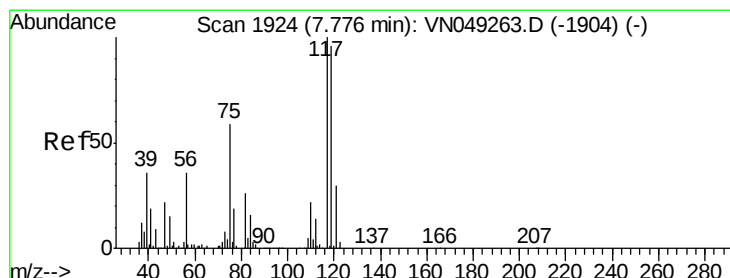
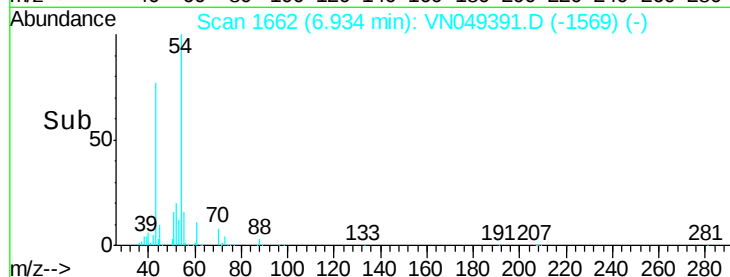
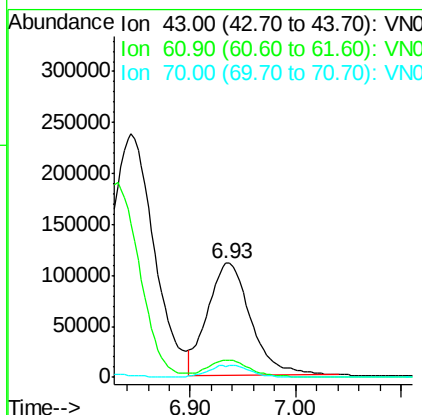
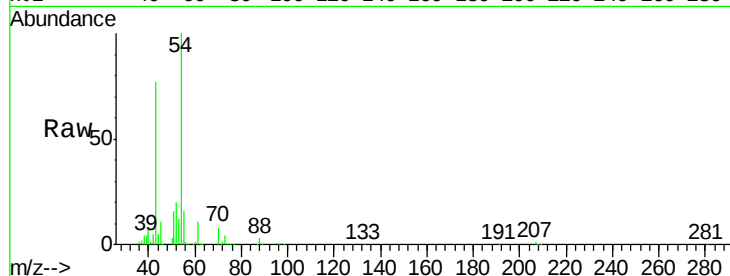
#37
Ethyl Acetate
Concen: 23.004 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.4
70	4.5	7.2	10.8

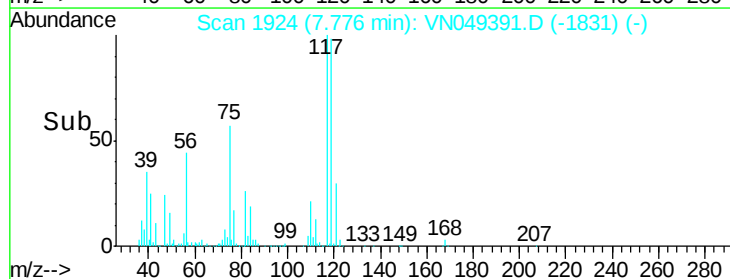
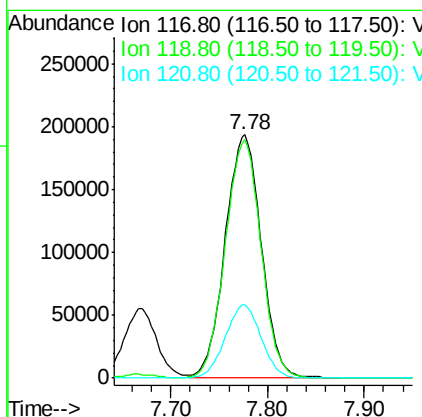
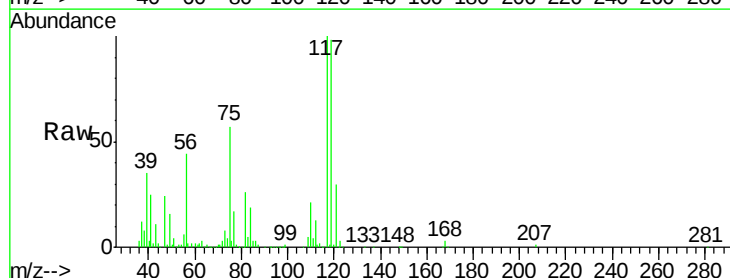
Manual Integrations
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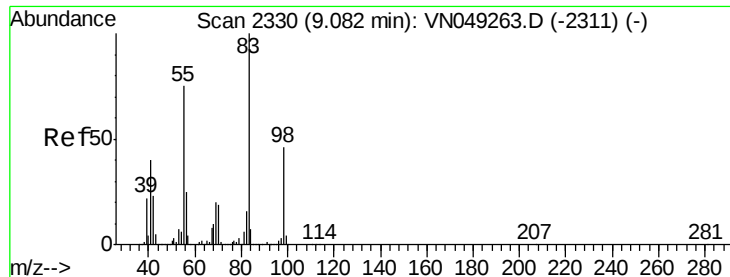
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#38
Carbon Tetrachloride
Concen: 19.170 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.6	113.4
121	30.2	24.7	37.1





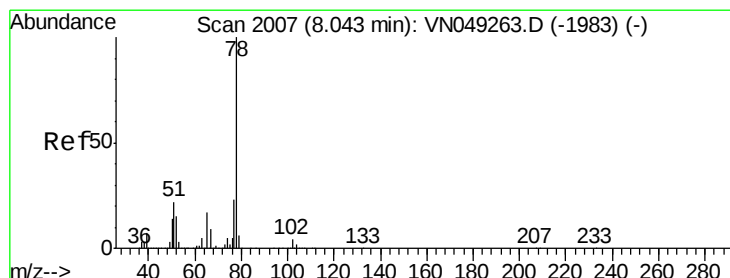
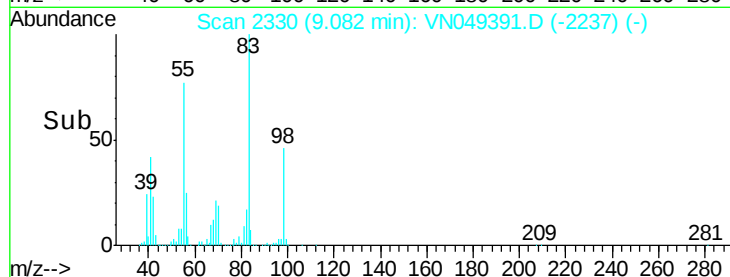
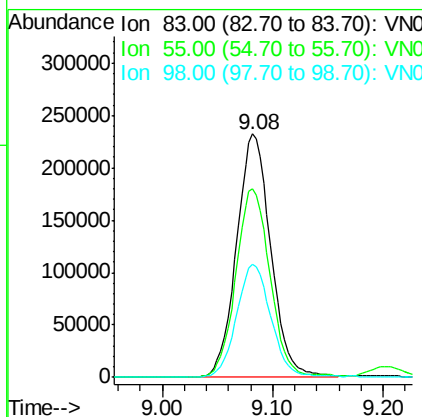
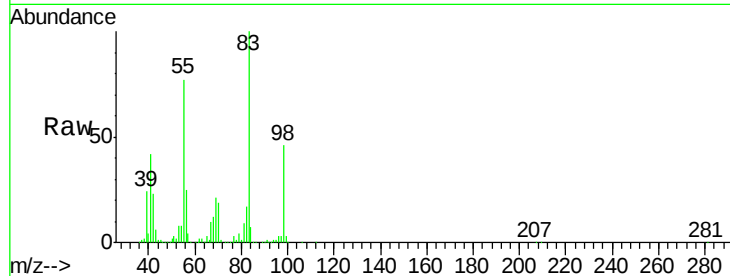
#39
Methvlcvclohexane
Concen: 18.484 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	65.1	97.7
98	46.4	36.5	54.7

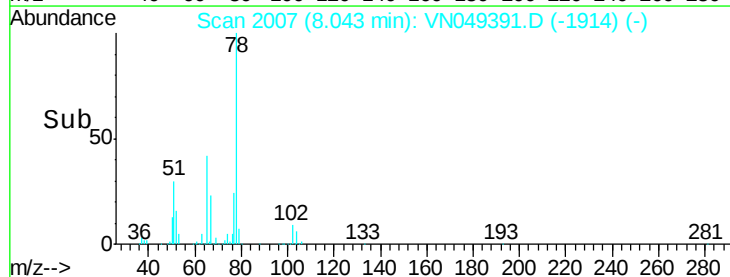
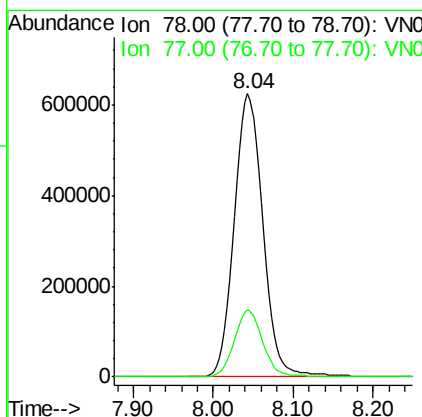
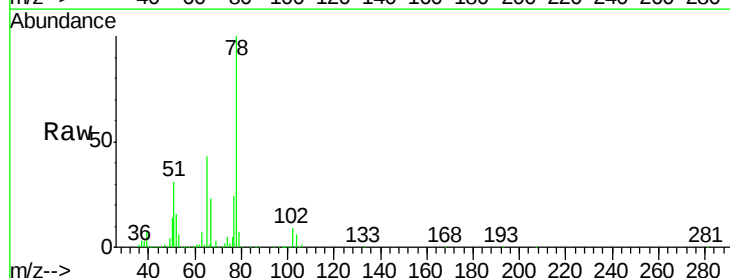
Manual Integrations
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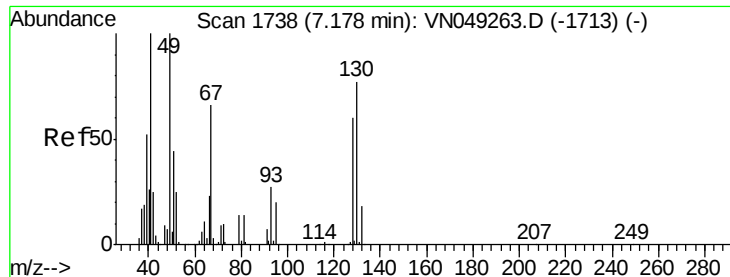
MMDadoda
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#40
Benzene
Concen: 19.535 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0





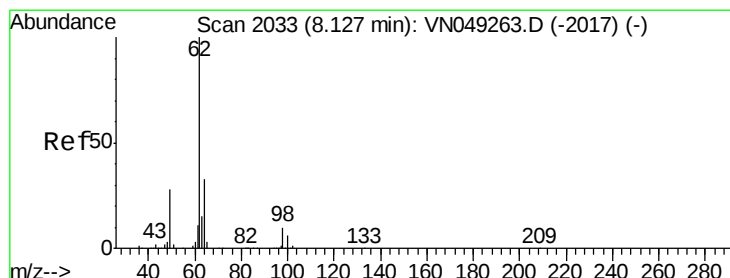
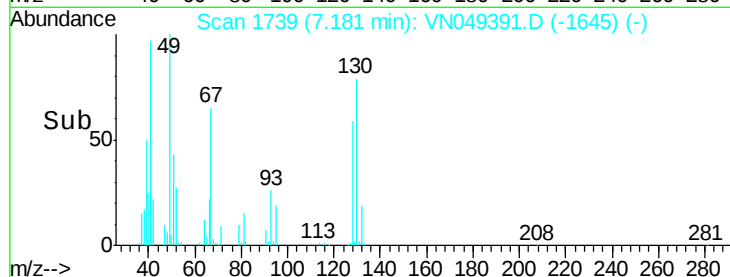
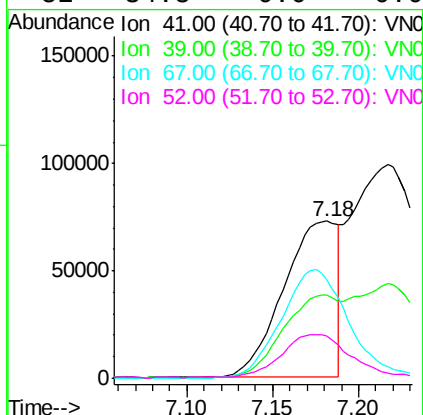
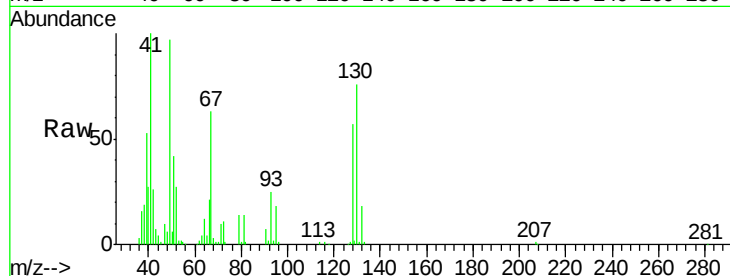
#41
Methacrylonitrile
Concen: 21.587 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.1	0.0	0.0#
67	87.4	0.0	0.0#
52	34.8	0.0	0.0#

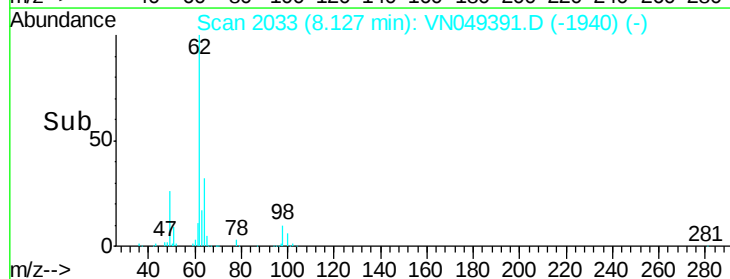
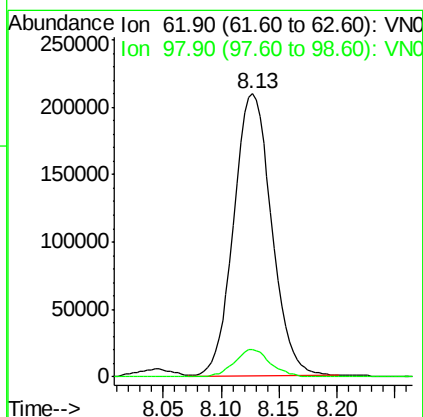
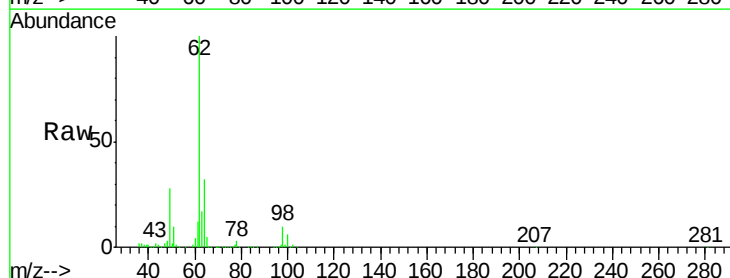
Manual Integrations
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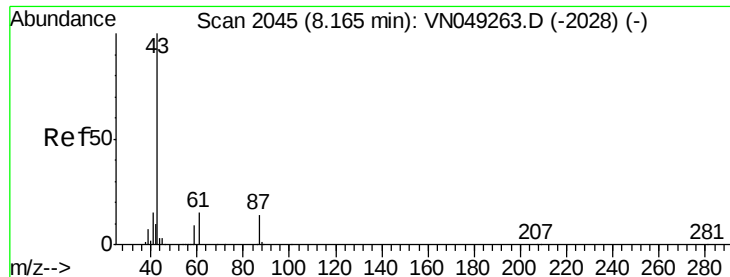
MMDadoda
6/20/2018 4:54:01 PM



#42
1,2-Dichloroethane
Concen: 19.948 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	16.2





#43

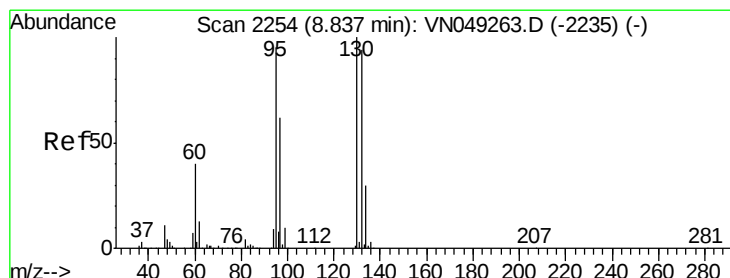
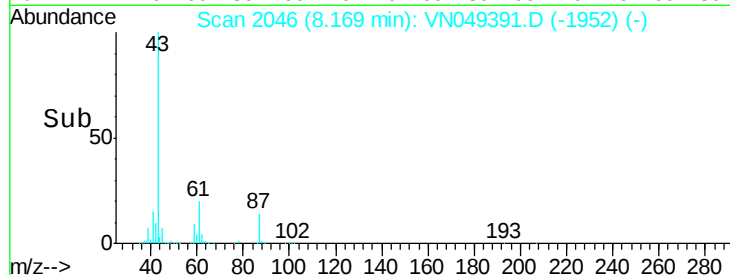
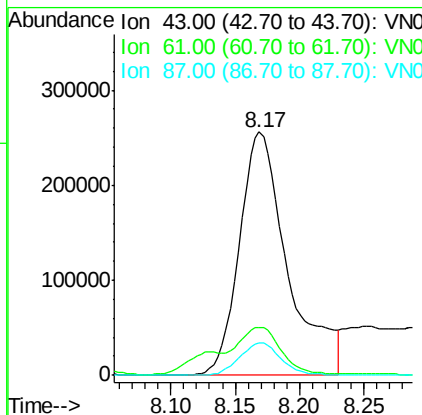
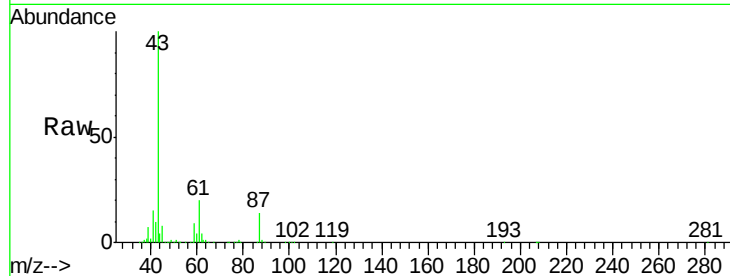
Isopropyl Acetate
 Concen: 25.459 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN049391.D
 Acq: 19 Jun 2018 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	14.2	21.4
87	11.5	9.4	14.0

Manual Integrations
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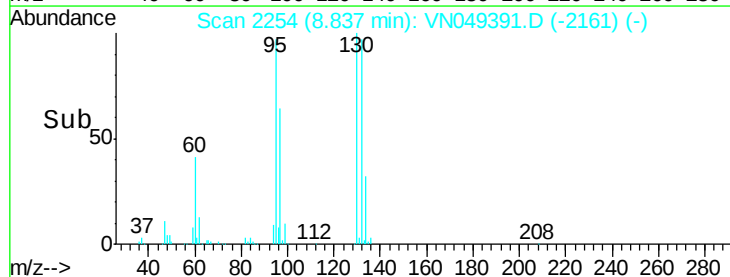
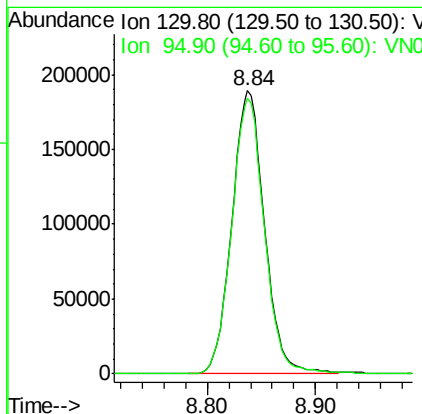
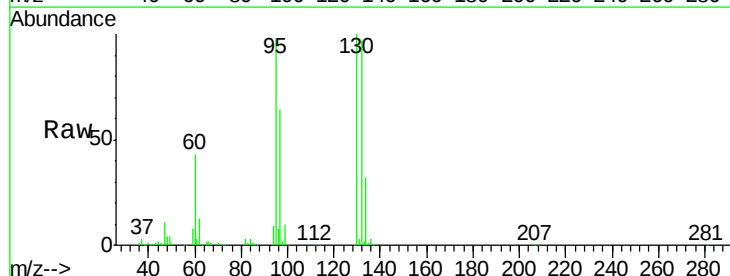
MMDadoda
 6/20/2018 4:54:01 PM



#44

Trichloroethene
 Concen: 19.509 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049391.D
 Acq: 19 Jun 2018 17:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	208.6





#45

1,2-Dichloropropane

Concen: 19.773 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 63 Resp: 400046

Ion Ratio Lower Upper

63 100

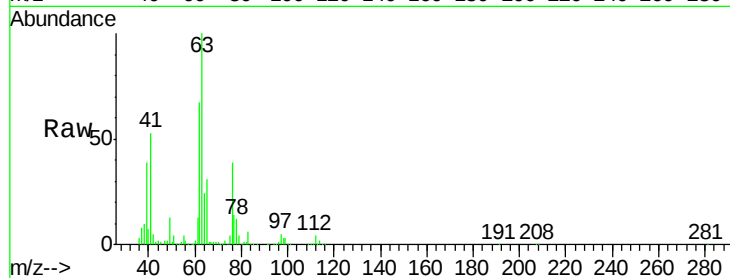
65 30.7 24.8 37.2

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

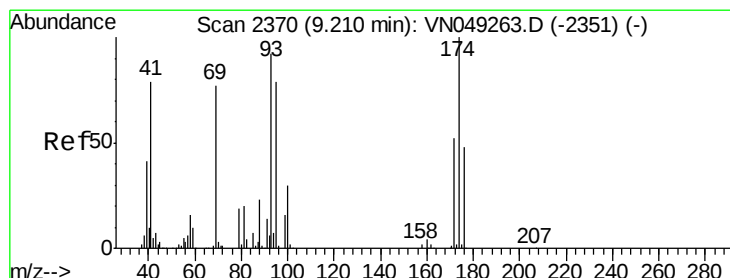
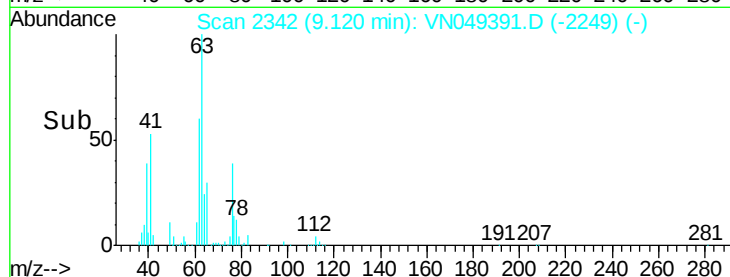
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 20.338 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

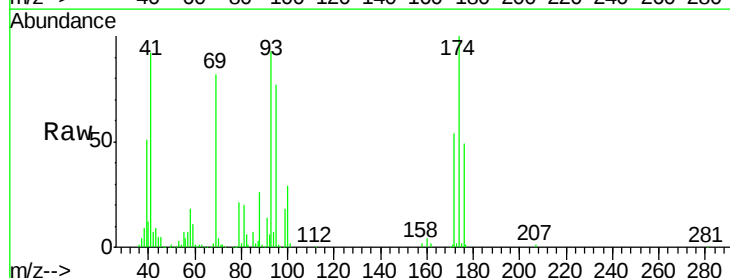
Tgt Ion: 93 Resp: 238595

Ion Ratio Lower Upper

93 100

95 84.1 67.2 100.8

174 108.9 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.21

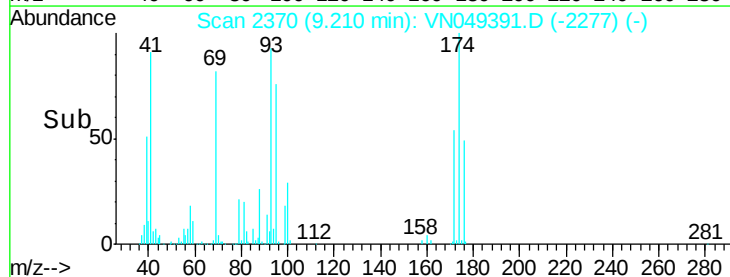
150000

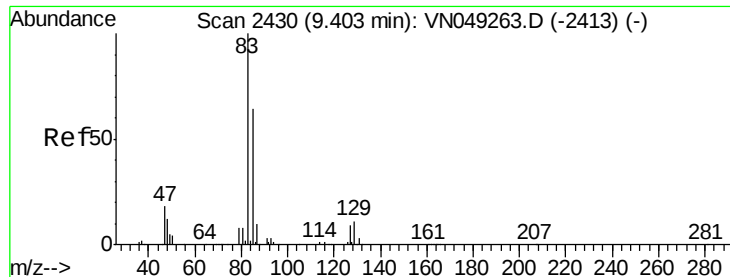
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 19.436 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

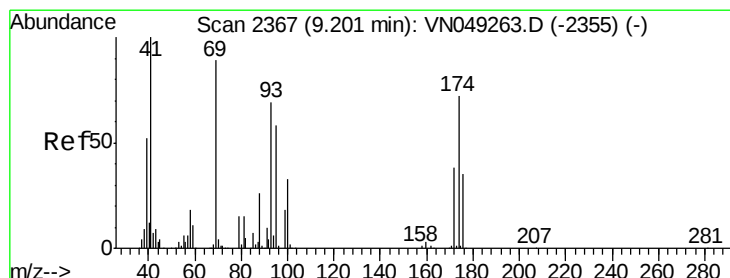
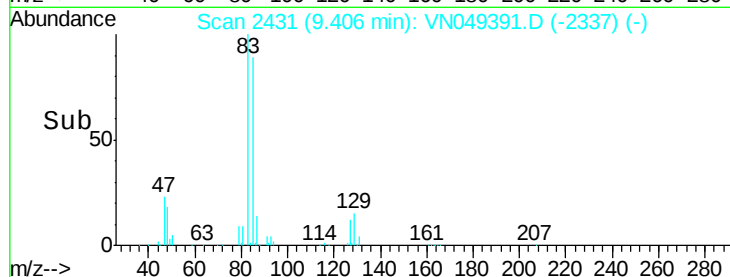
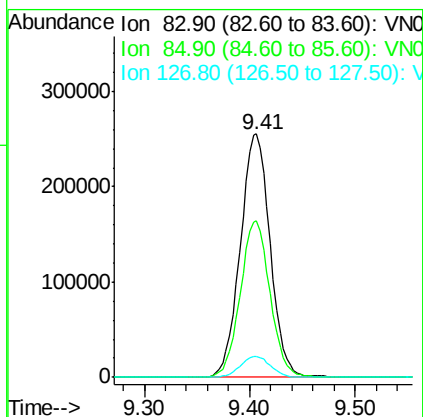
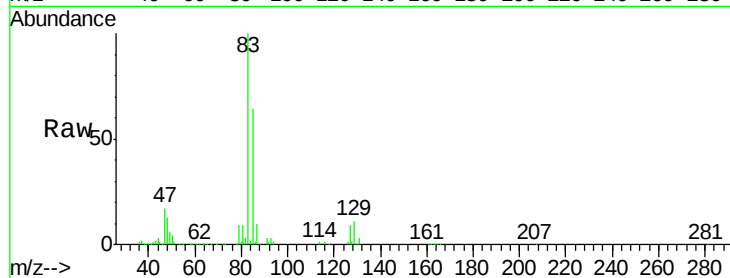
ClientSampleId :

VN0619WBSD01

Tot Ion:	83	Resp:	501072
Ion Ratio	Lower	Upper	
83	100		
85	64.3	49.4	74.0
127	8.6	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.630 ug/l

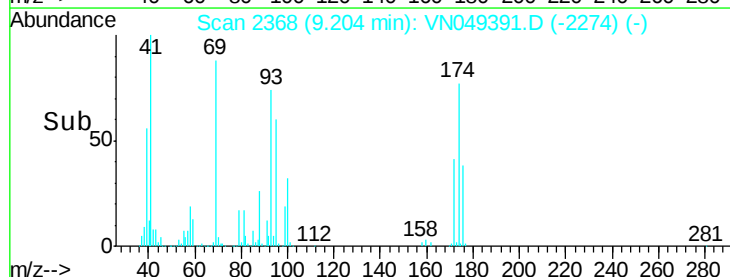
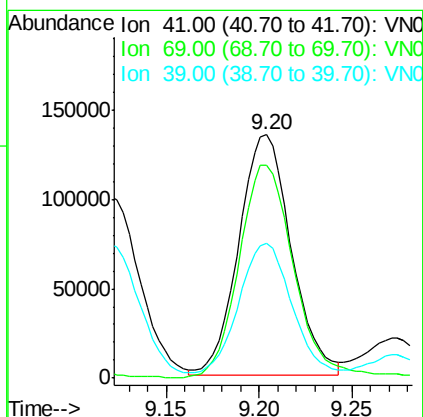
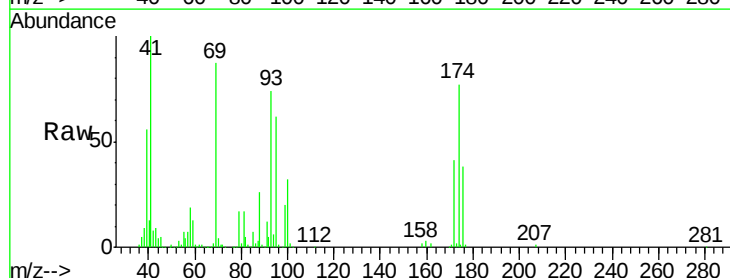
RT: 9.20 min Scan# 2368

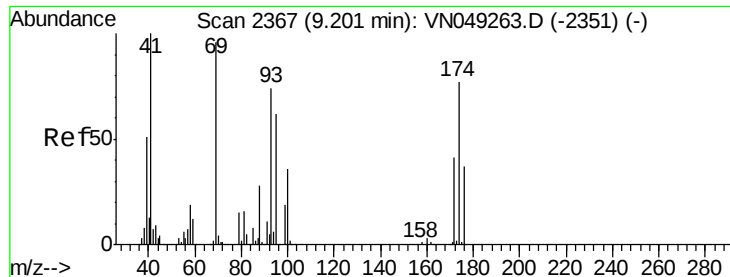
Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Tgt Ion:	41	Resp:	266666
Ion Ratio	Lower	Upper	
41	100		
69	92.2	62.0	93.0
39	57.2	50.6	75.8





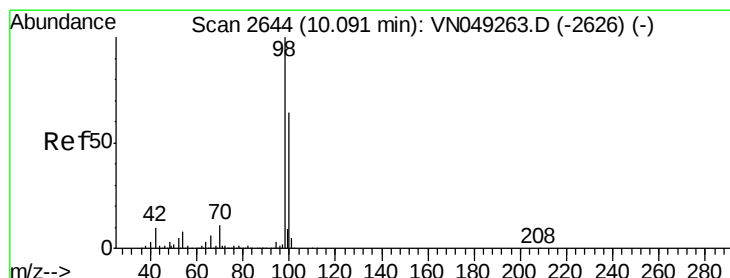
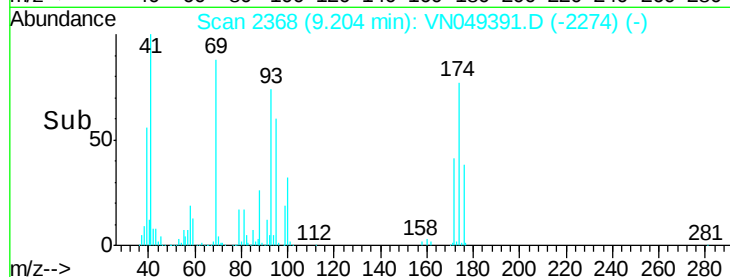
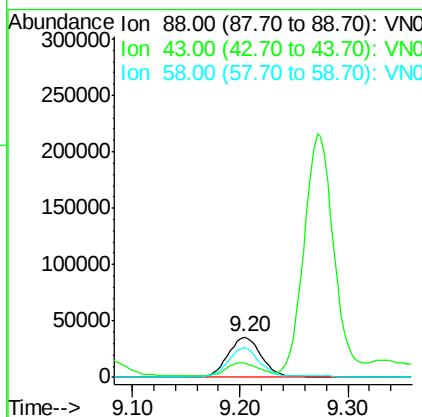
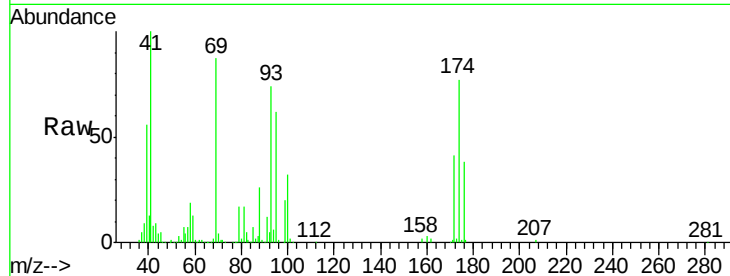
#49
1,4-Dioxane
Concen: 458.593 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	30.9	46.3
58	69.0	58.9	88.3

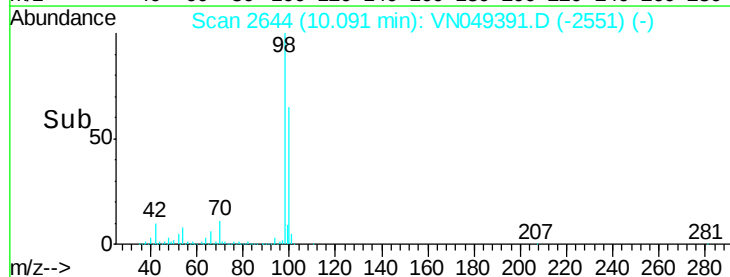
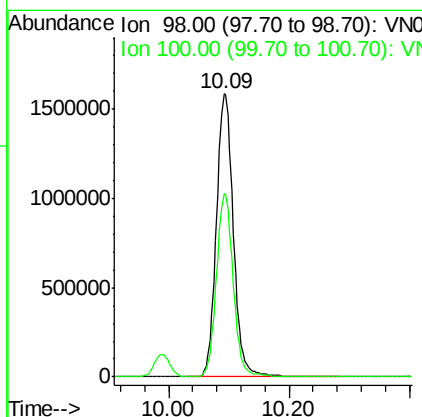
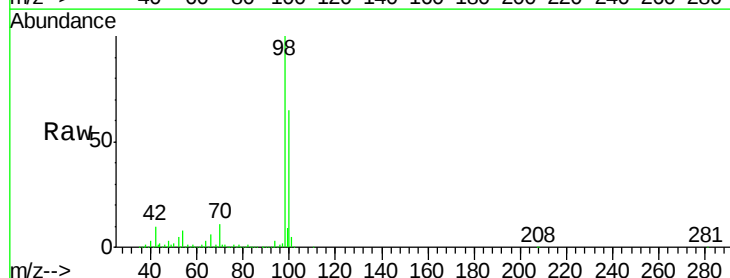
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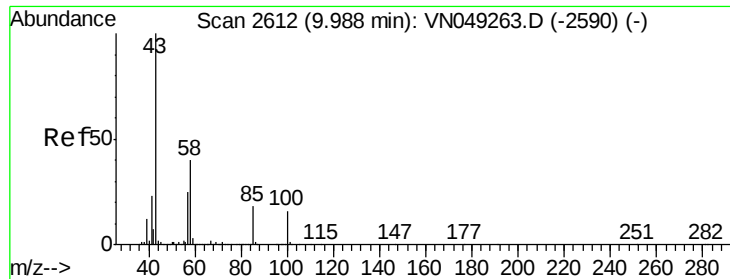
MMDadoda
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#50
Toluene-d8
Concen: 44.751 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	49.8	74.8





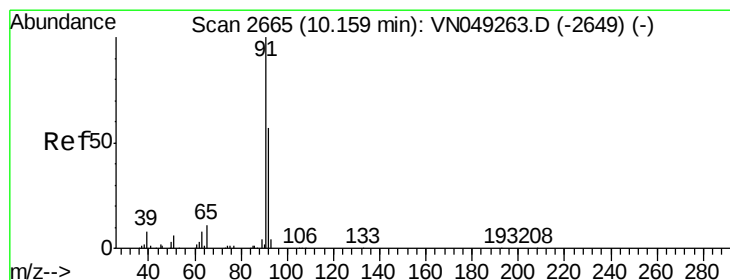
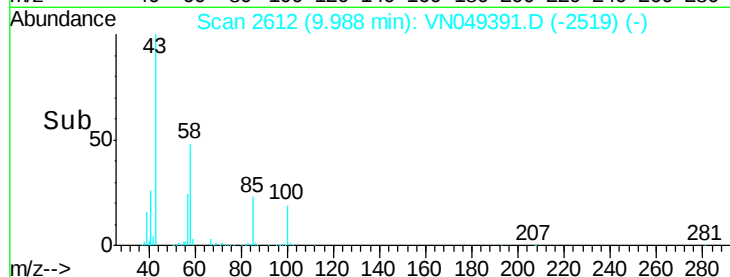
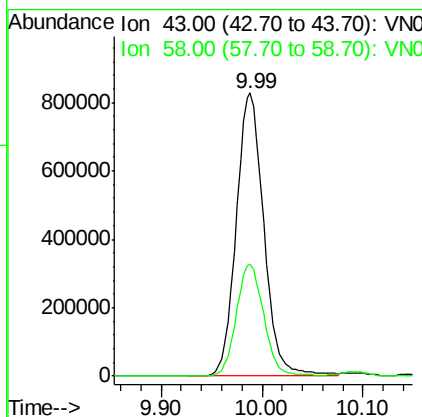
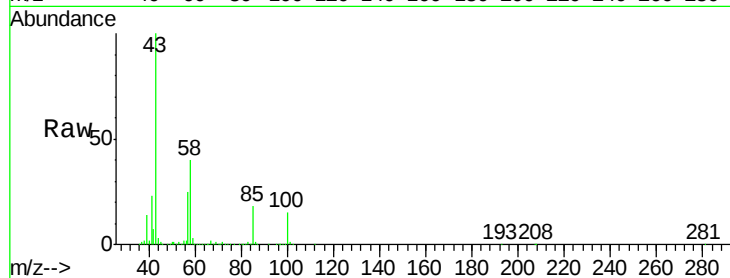
#51
4-Methyl-2-Pentanone
Concen: 113.916 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion: 43 Resp: 1563047
Ion Ratio Lower Upper
43 100
58 39.5 29.0 43.6

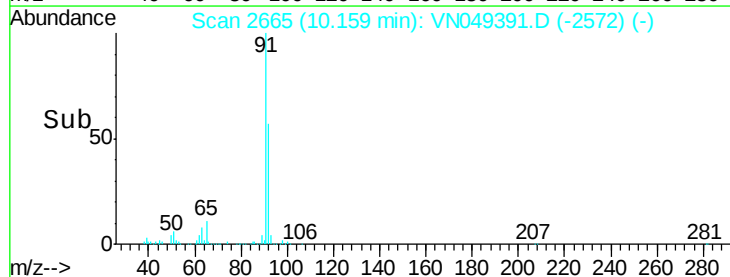
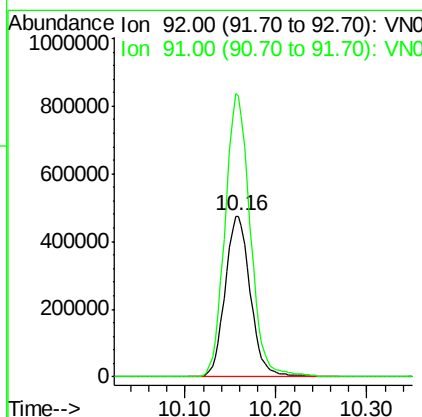
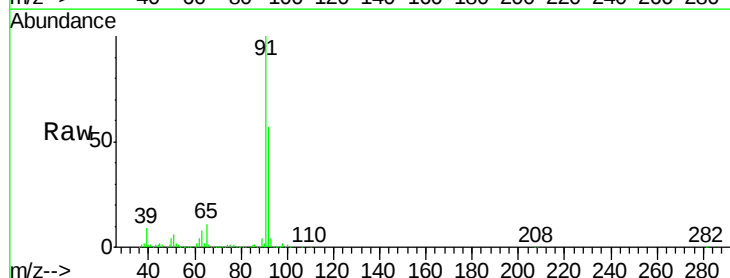
Manual Integrations
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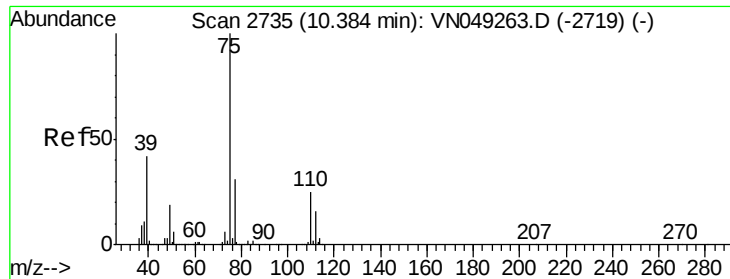
MMDadoda
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#52
Toluene
Concen: 20.237 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion: 92 Resp: 917770
Ion Ratio Lower Upper
92 100
91 175.5 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 19.390 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 75 Resp: 478191

Ion Ratio Lower Upper

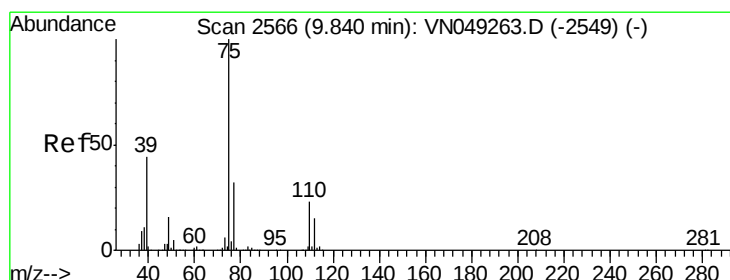
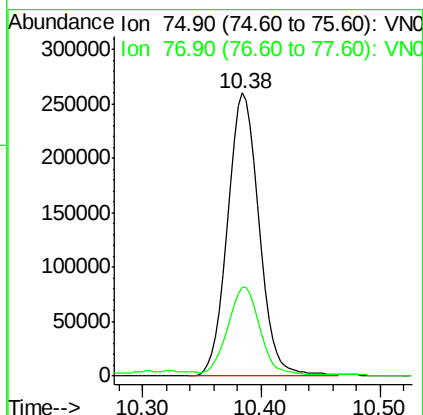
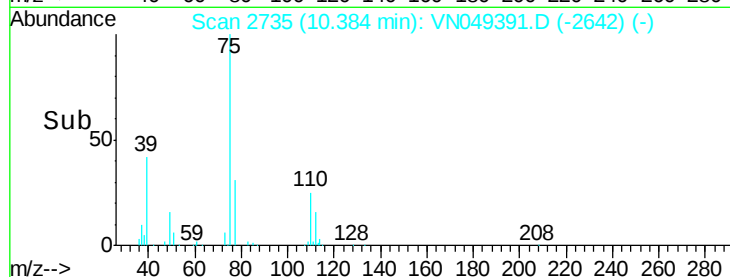
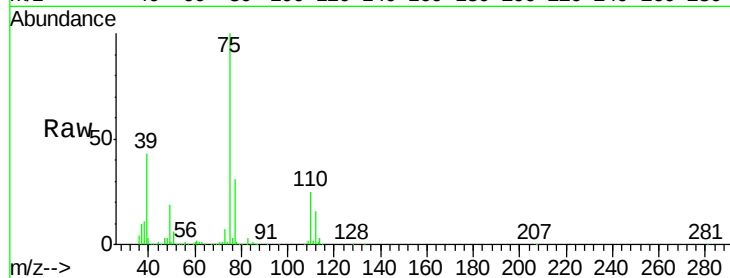
75 100

77 30.8 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.415 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

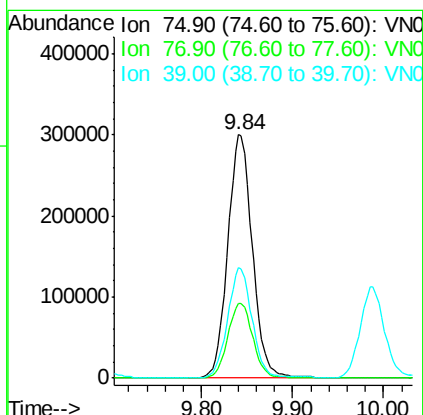
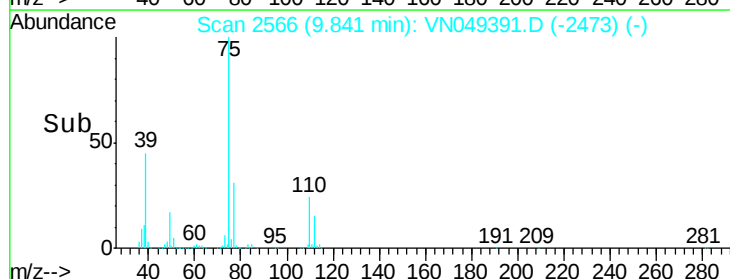
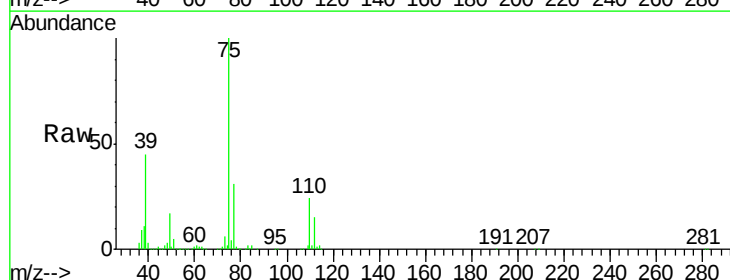
Tgt Ion: 75 Resp: 565357

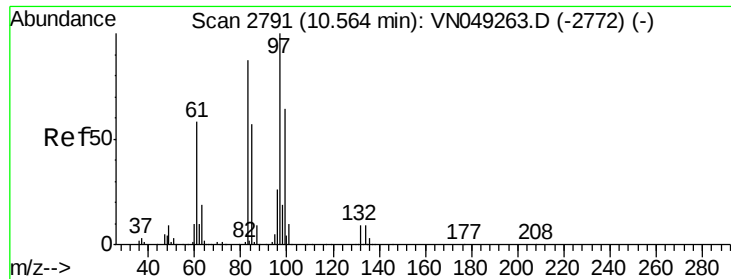
Ion Ratio Lower Upper

75 100

77 30.6 24.8 37.2

39 45.2 45.1 67.7





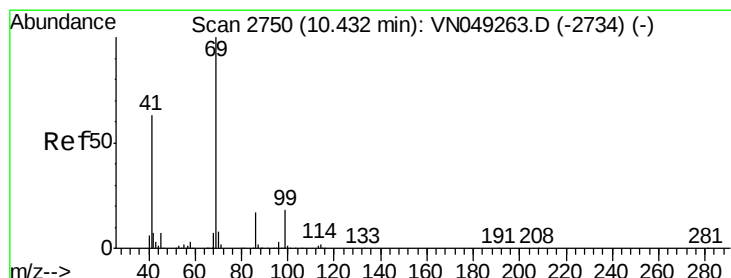
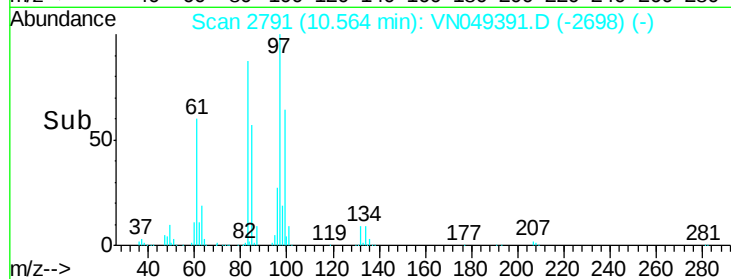
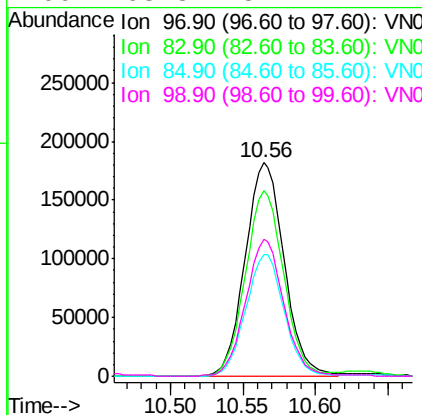
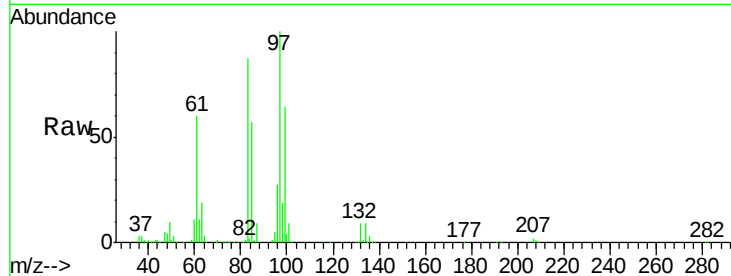
#55
 1,1,2-Trichloroethane
 Concen: 20.112 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049391.D
 Acq: 19 Jun 2018 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion:	97	Resp:	340027
Ion	Ratio	Lower	Upper
97	100		
83	86.7	71.5	107.3
85	57.2	47.0	70.4
99	63.8	51.4	77.2

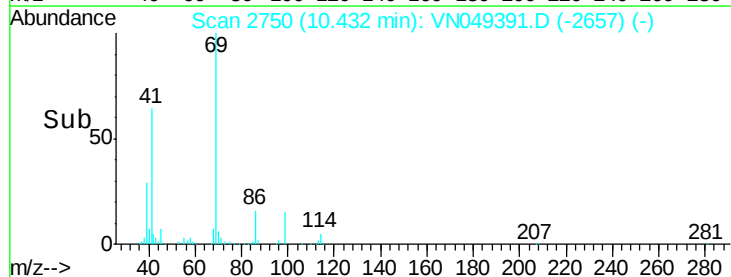
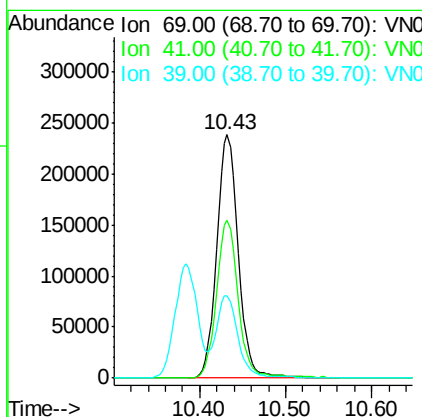
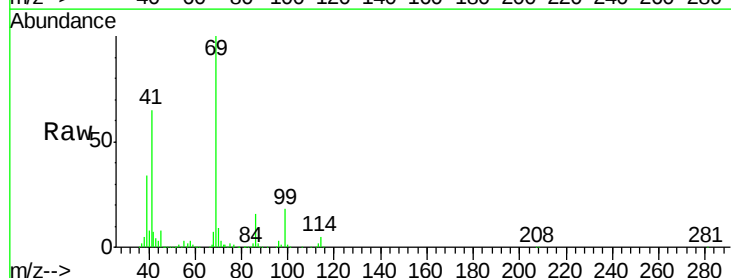
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 21.340 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049391.D
 Acq: 19 Jun 2018 17:46

Tgt Ion:	69	Resp:	416235
Ion	Ratio	Lower	Upper
69	100		
41	64.3	58.4	87.6
39	34.2	35.5	53.3#





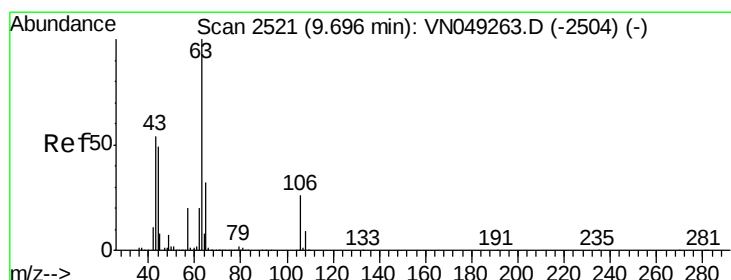
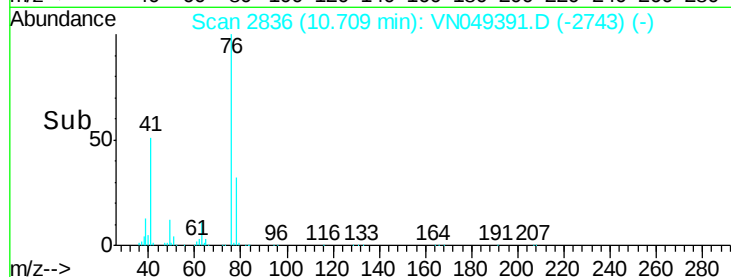
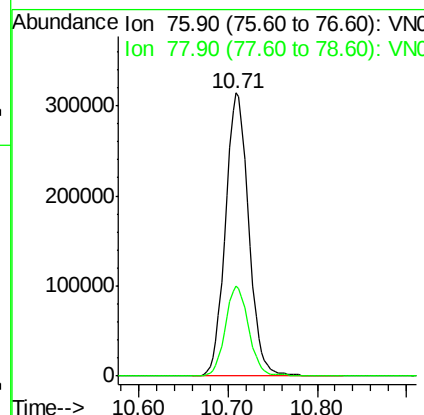
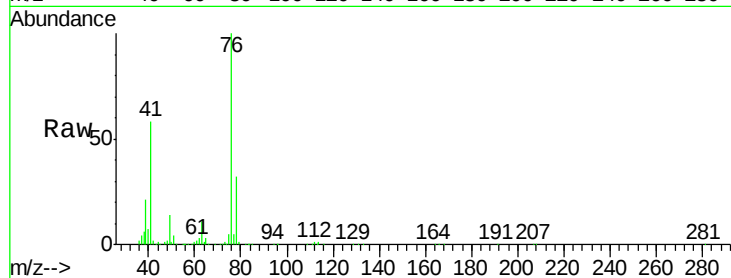
#57
 1,3-Dichloropropane
 Concen: 20.268 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049391.D
 Acq: 19 Jun 2018 17:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.3	39.5

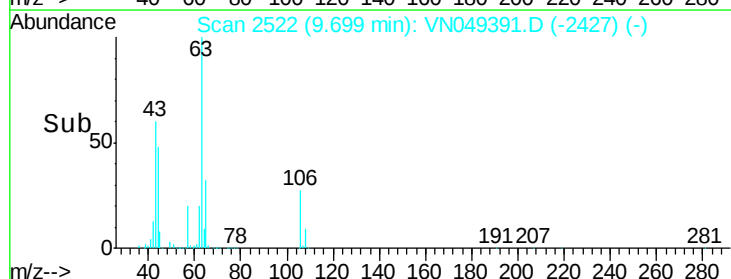
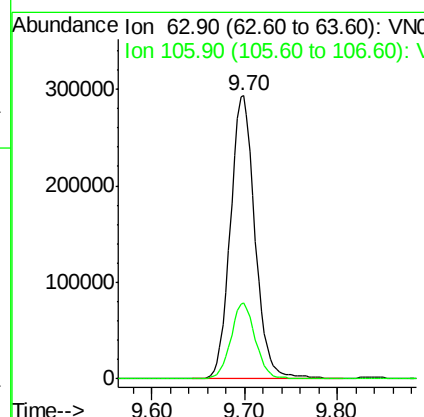
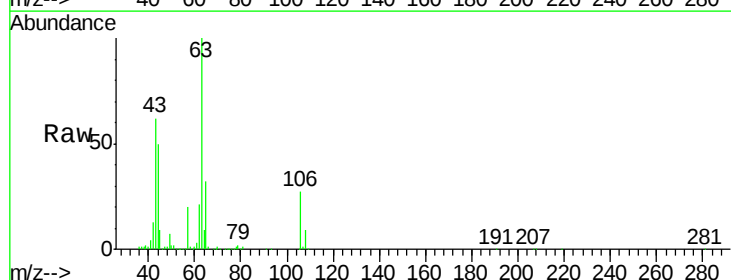
Manual Integrations
 APPROVED

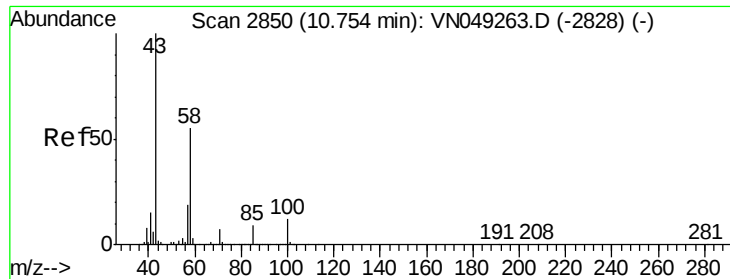
MMDadoda
 6/20/2018 4:54:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.302 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049391.D
 Acq: 19 Jun 2018 17:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	19.4	29.2





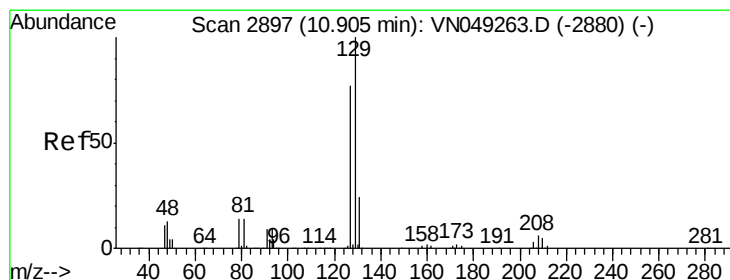
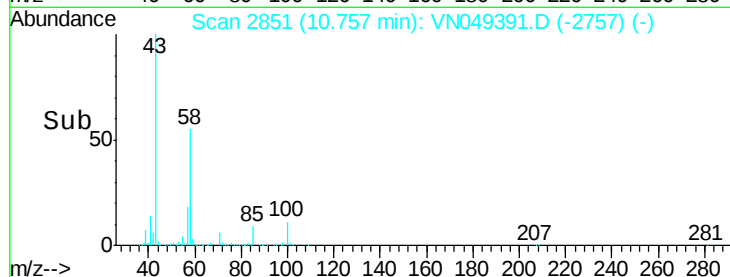
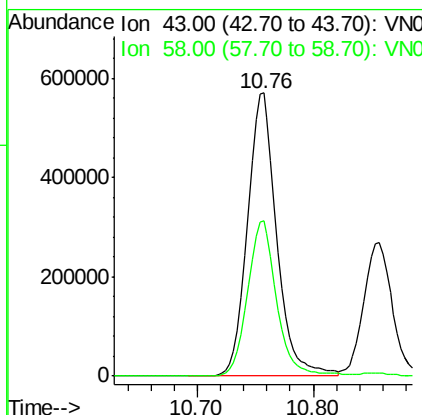
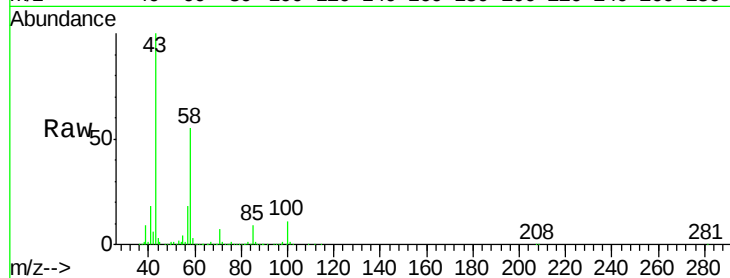
#59
2-Hexanone
Concen: 113.243 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion: 43 Resp: 1001746
Ion Ratio Lower Upper
43 100
58 54.9 25.2 75.6

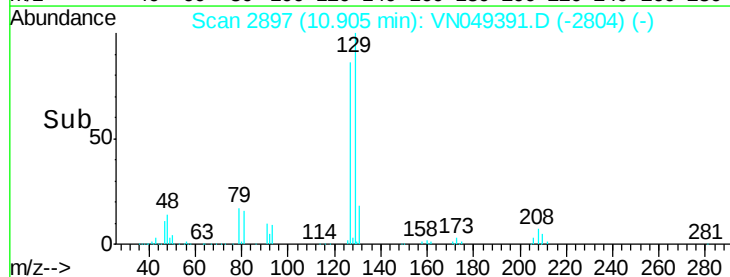
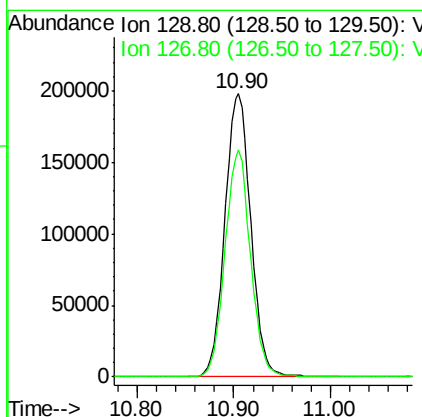
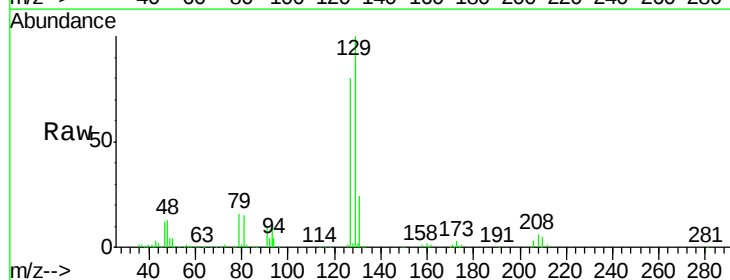
Manual Integrations
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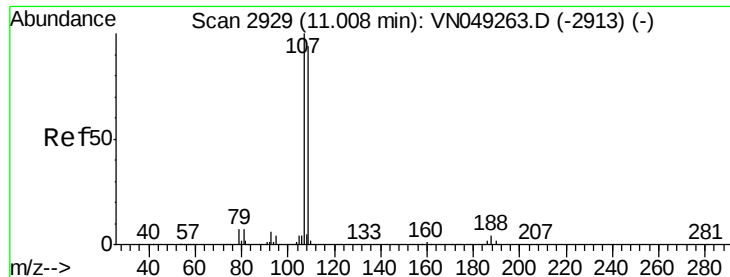
MMDadoda
6/20/2018 4:54:01 PM



#60
Dibromochloromethane
Concen: 19.523 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion: 129 Resp: 368388
Ion Ratio Lower Upper
129 100
127 78.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.720 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 107 Resp: 325625

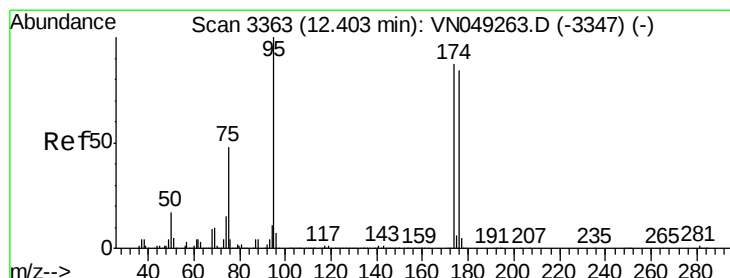
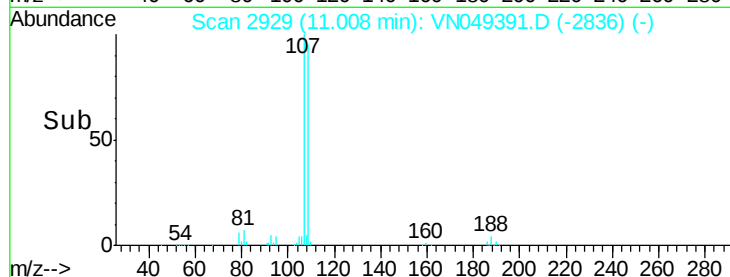
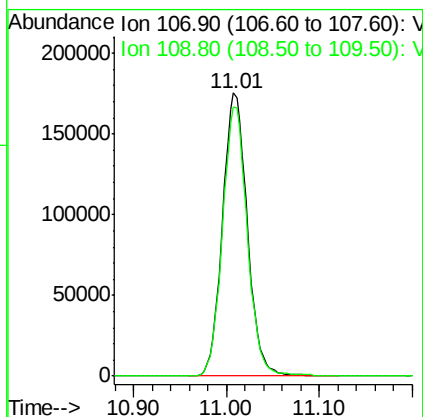
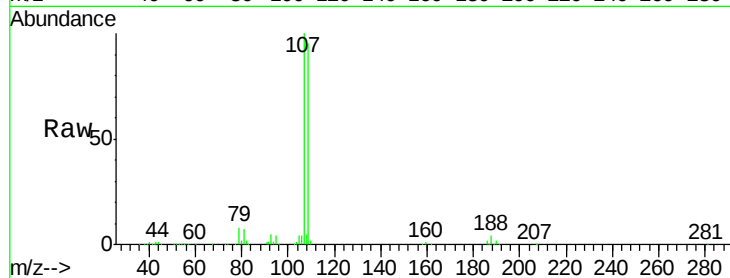
Ion Ratio Lower Upper

107 100

109 95.0 75.4 113.2

Manual Integrations
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6/20/2018 4:54:01 PM



#62

4-Bromofluorobenzene

Concen: 44.922 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

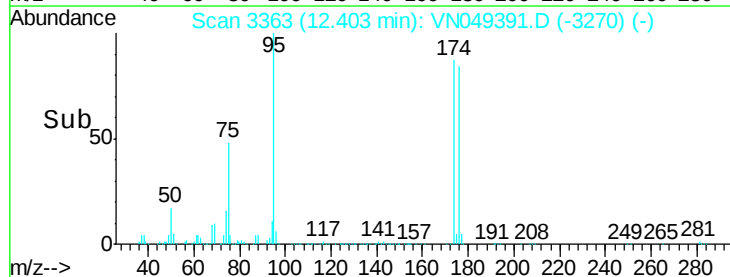
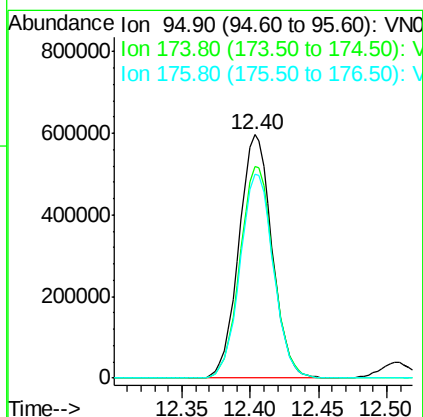
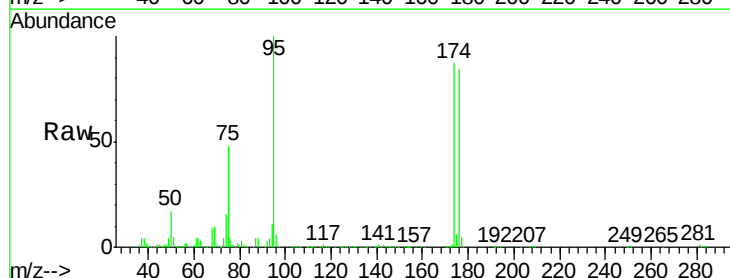
Tgt Ion: 95 Resp: 1006259

Ion Ratio Lower Upper

95 100

174 87.7 0.0 165.6

176 84.3 0.0 157.4





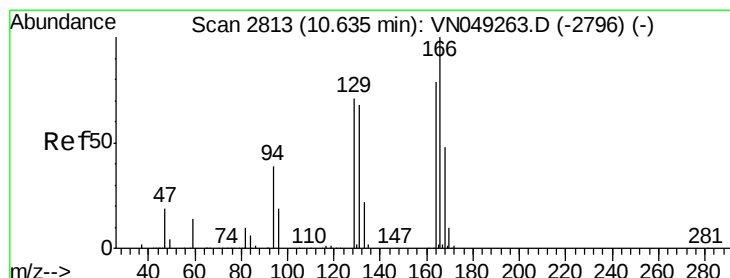
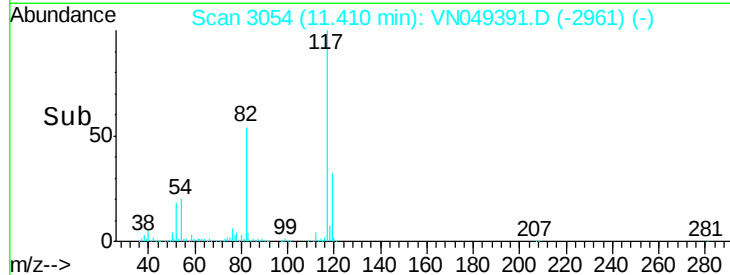
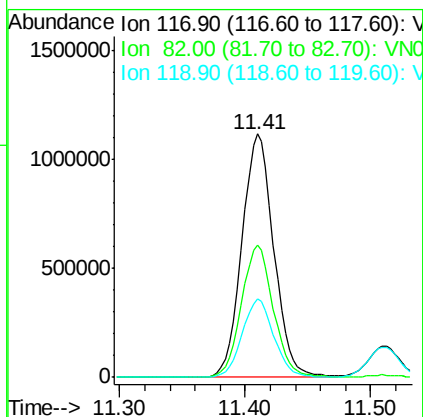
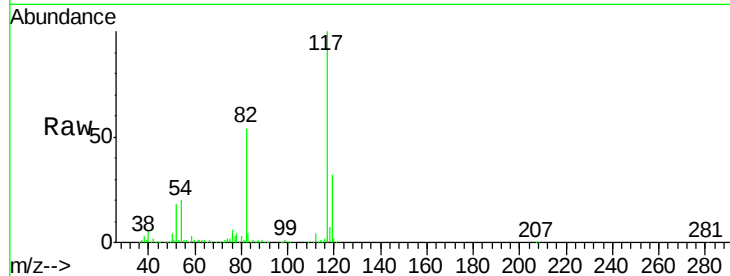
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion:117 Resp: 1977112
Ion Ratio Lower Upper
117 100
82 54.3 45.9 68.9
119 32.1 25.5 38.3

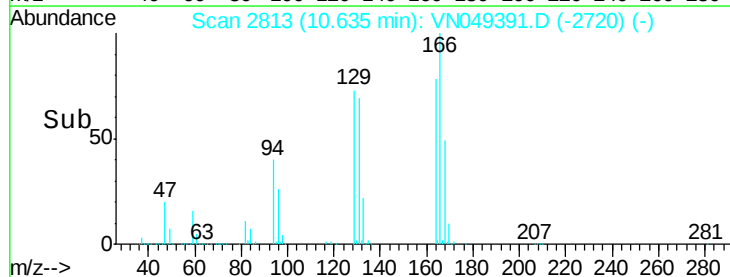
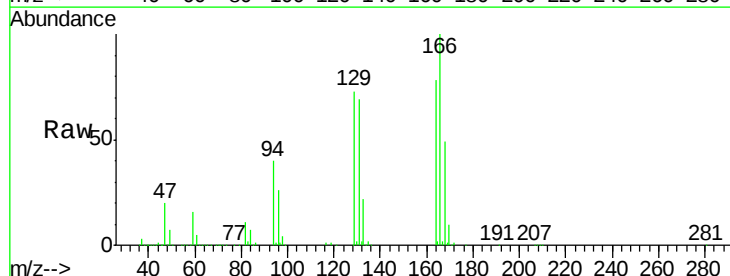
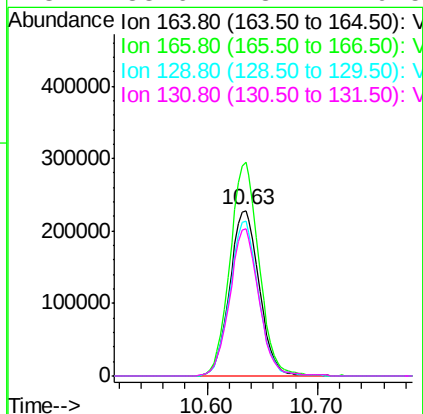
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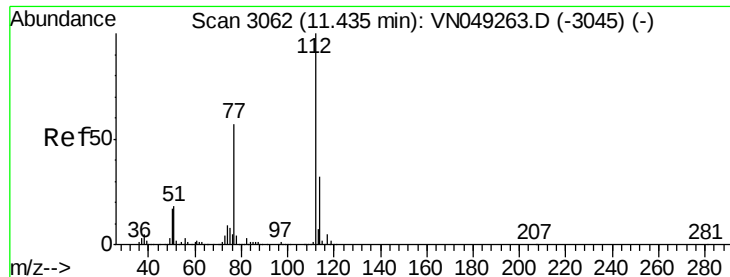
MMDadoda
6/20/2018 4:54:01 PM



#64
Tetrachloroethene
Concen: 20.851 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion:164 Resp: 422432
Ion Ratio Lower Upper
164 100
166 129.0 101.4 152.2
129 93.6 74.1 111.1
131 88.6 73.7 110.5





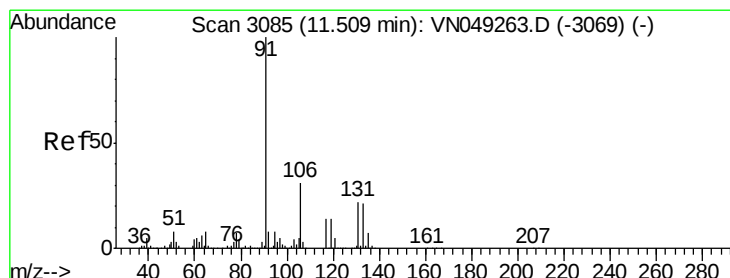
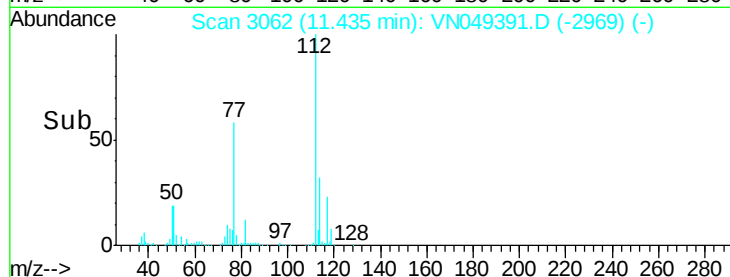
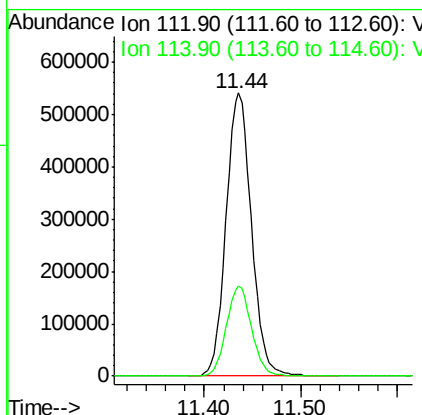
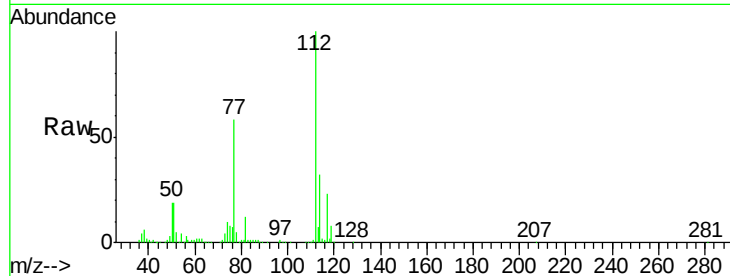
#65
Chlorobenzene
Concen: 19.307 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion:112 Resp: 983331
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4

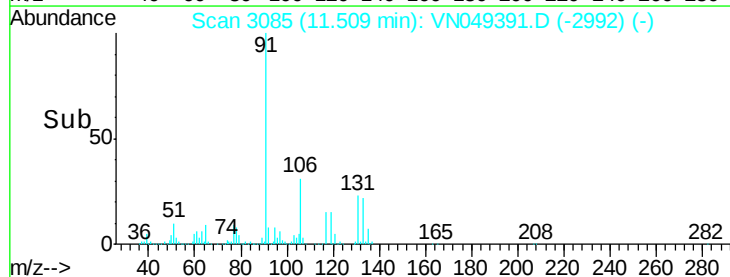
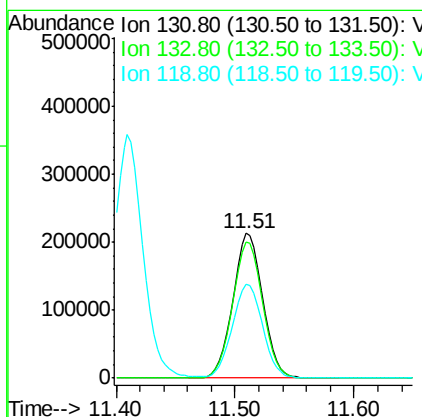
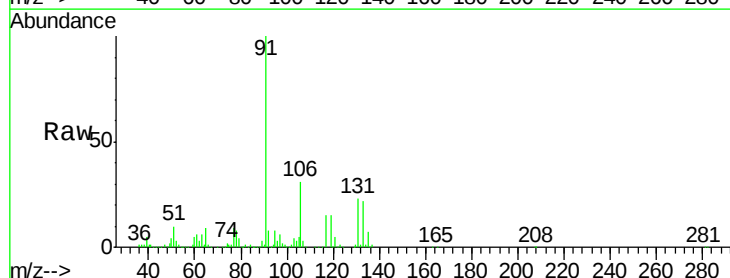
Manual Integrations
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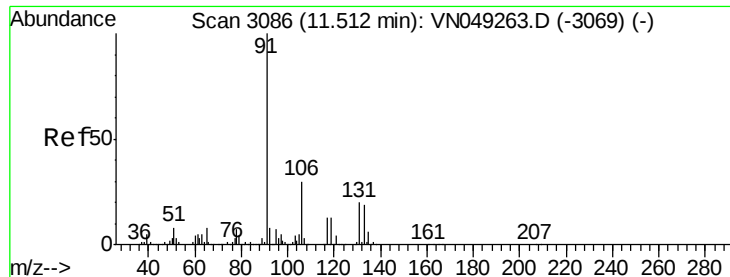
MMDadoda
6/20/2018 4:54:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.288 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion:131 Resp: 369694
Ion Ratio Lower Upper
131 100
133 94.9 48.0 144.2
119 65.8 33.6 100.8





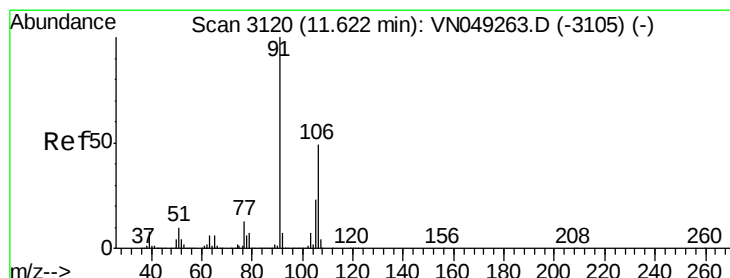
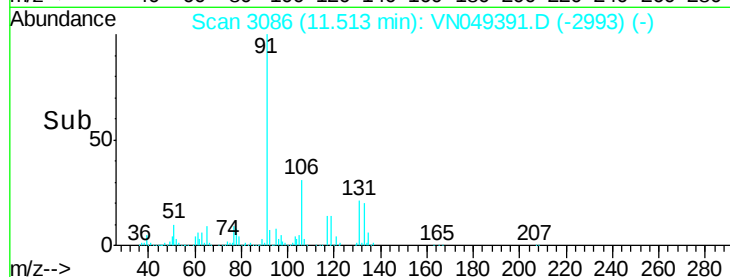
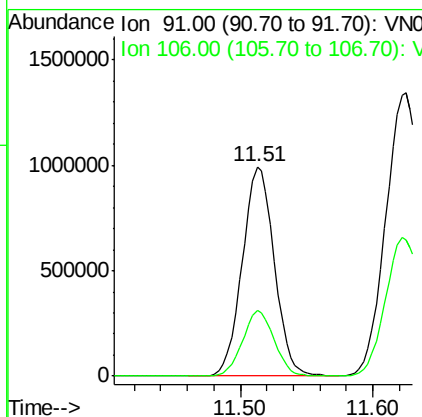
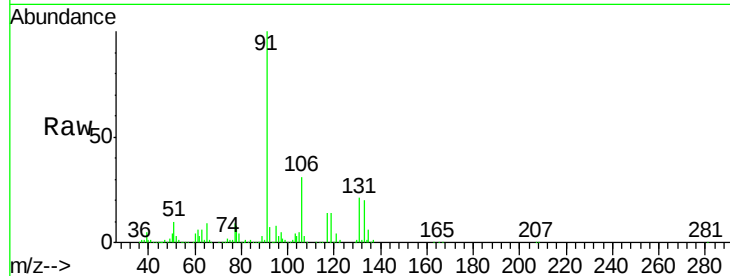
#67
Ethyl Benzene
Concen: 19.738 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion: 91 Resp: 1667504
Ion Ratio Lower Upper
91 100
106 31.4 23.9 35.9

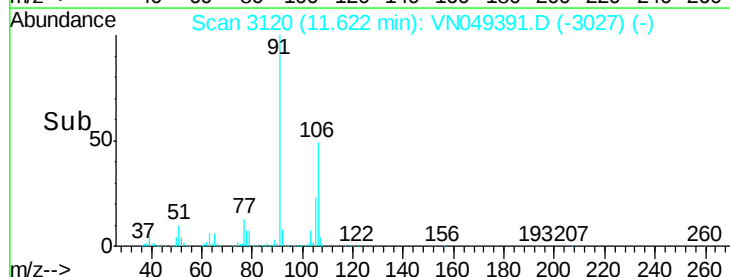
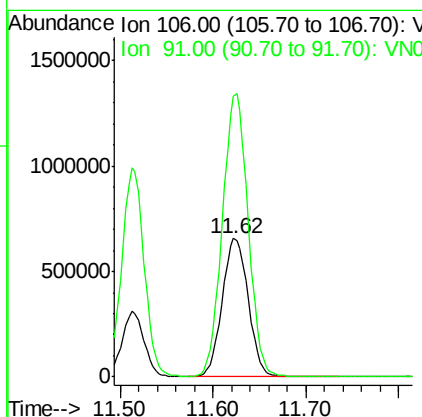
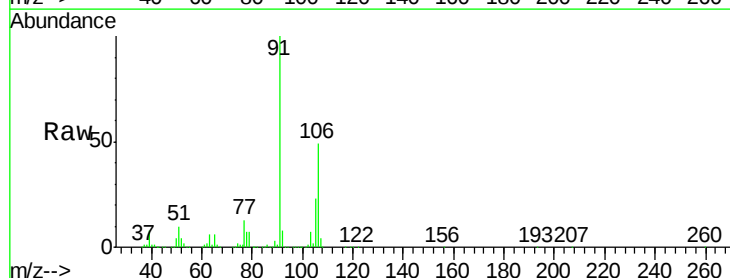
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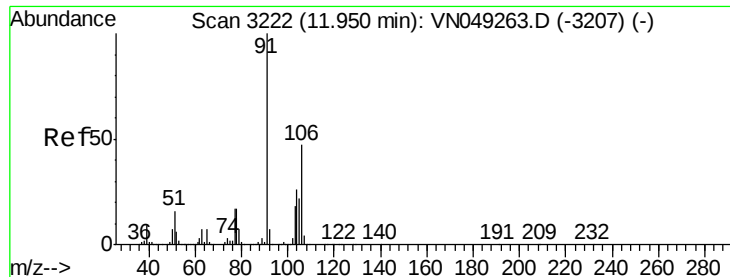
MMDadoda
6/20/2018 4:54:01 PM



#68
m/p-Xylenes
Concen: 40.354 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion: 106 Resp: 1279422
Ion Ratio Lower Upper
106 100
91 202.1 167.3 250.9





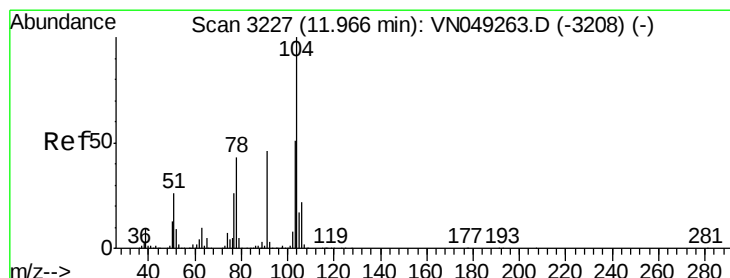
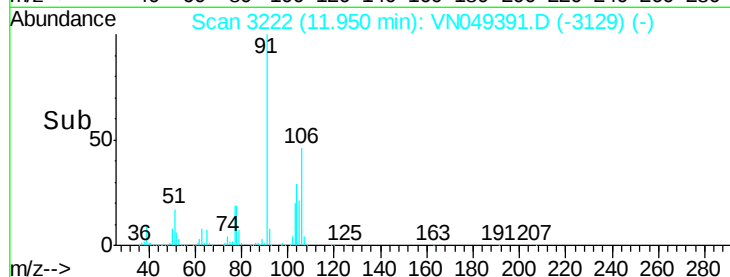
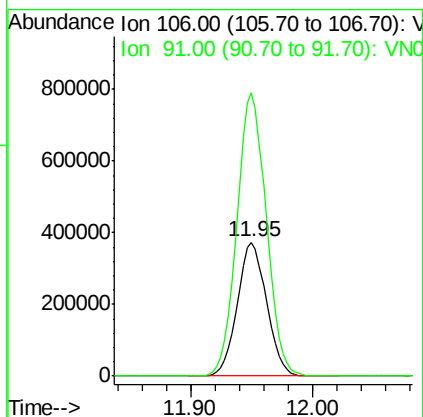
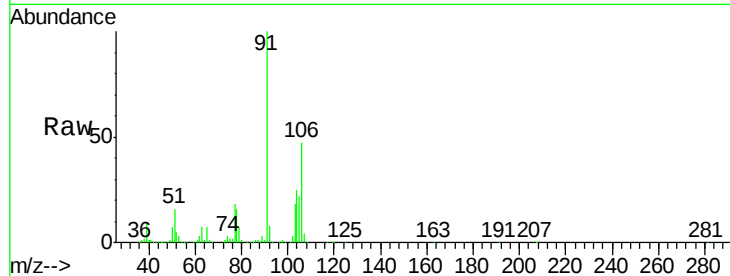
#69
o-Xylene
Concen: 20.178 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	616175		
91	91	212.6	111.0	333.0	

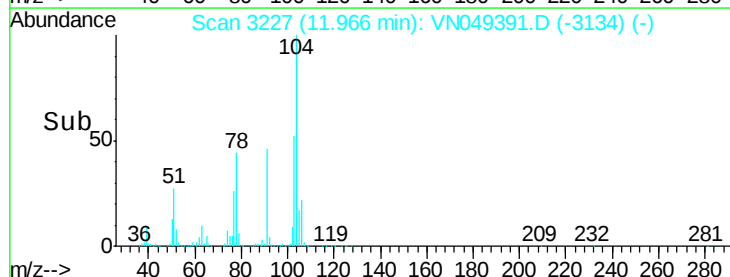
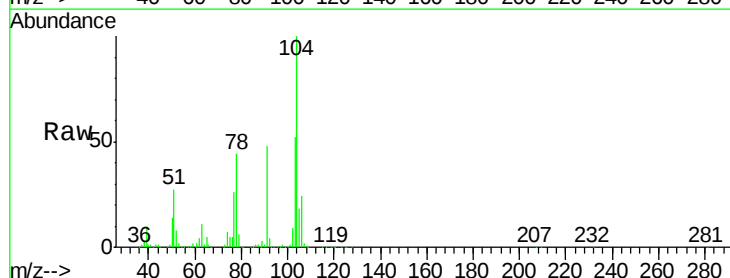
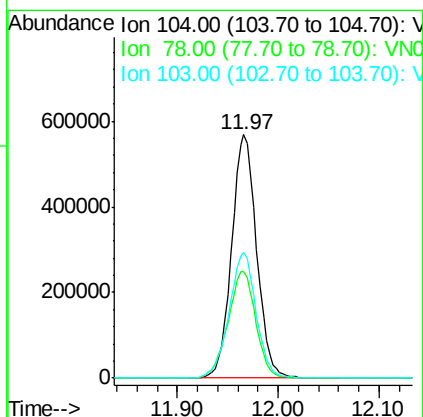
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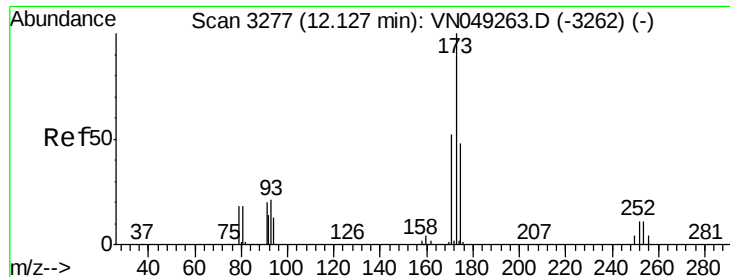
MMDadoda
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#70
Styrene
Concen: 20.355 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	980621		
78	78	48.8	41.6	62.4	
103	103	55.8	45.4	68.2	





#71

Bromoform

Concen: 20.764 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

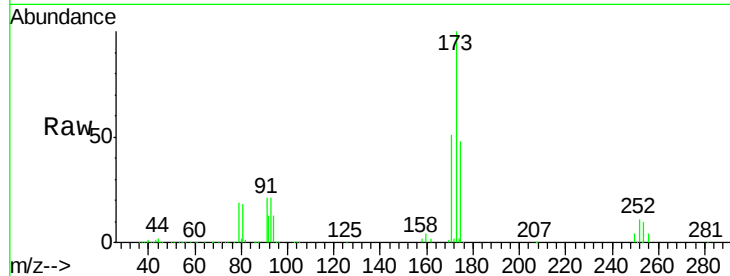
ClientSampleId :

VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.5	73.5
254	0.0	0.1	0.1#

Manual Integrations
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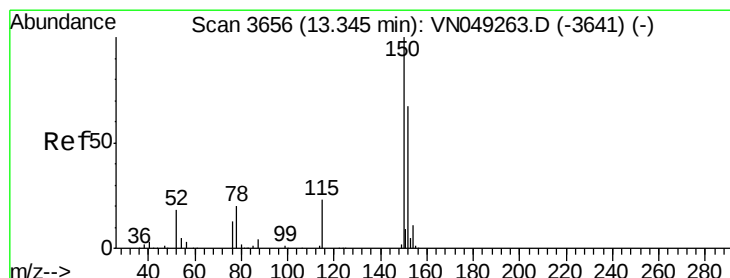
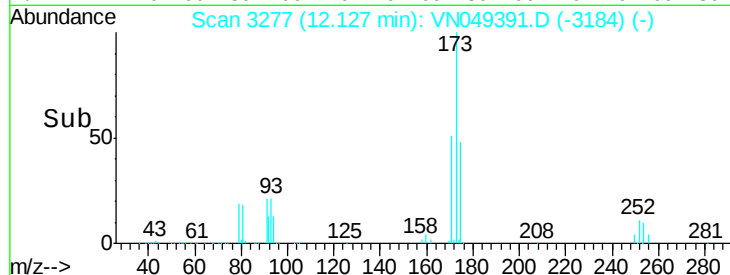
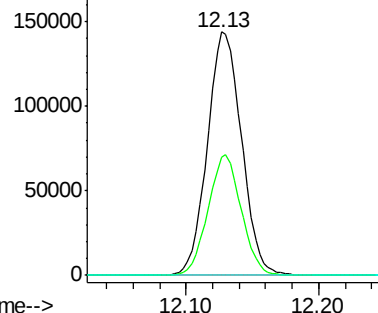


Abundance

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

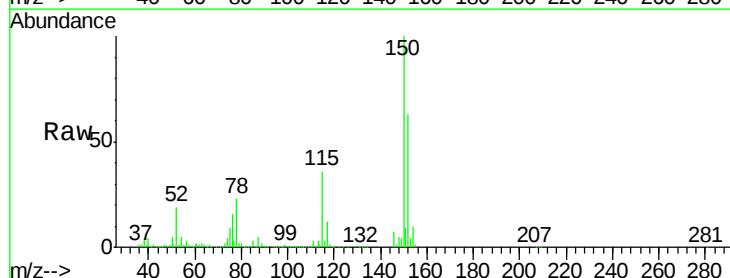
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.7	86.1
150	164.3	0.0	351.0

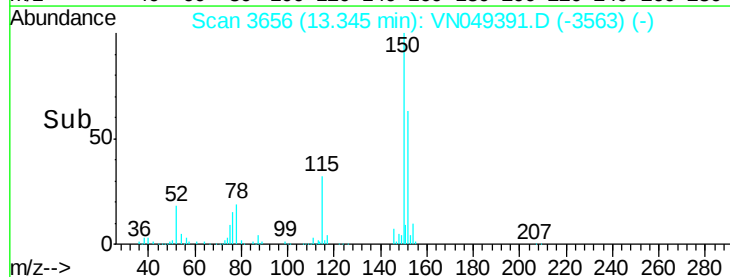
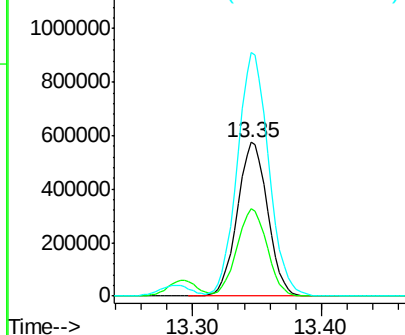


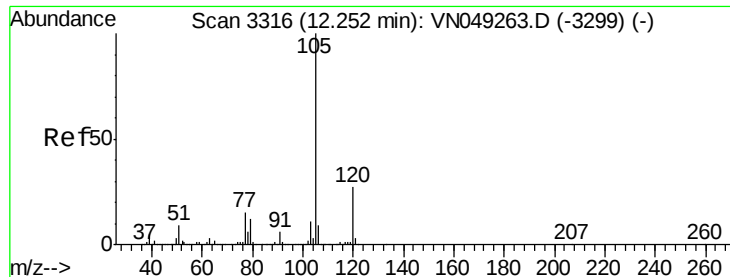
Abundance

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: 19.692 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion:105 Resp: 1626124

Ion Ratio Lower Upper

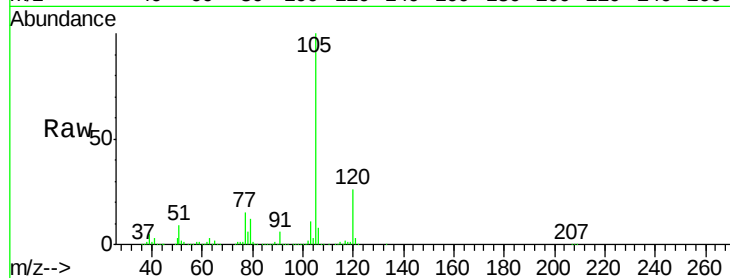
105 100

120 26.4 12.8 38.3

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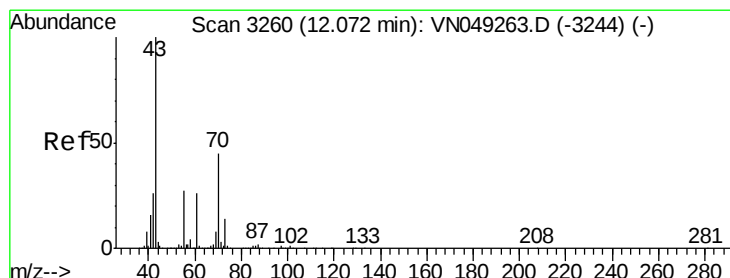
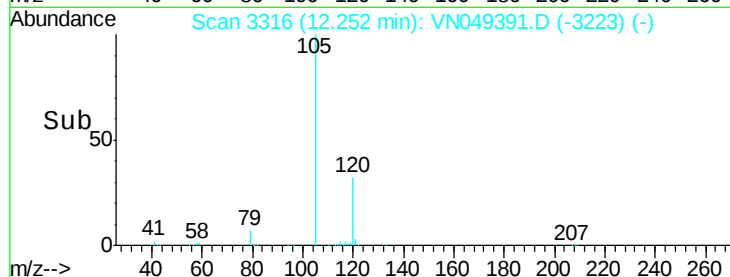
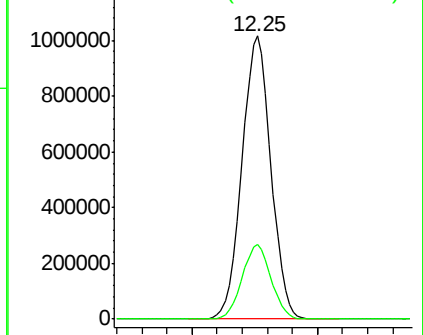
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.245 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Tgt Ion: 43 Resp: 429696

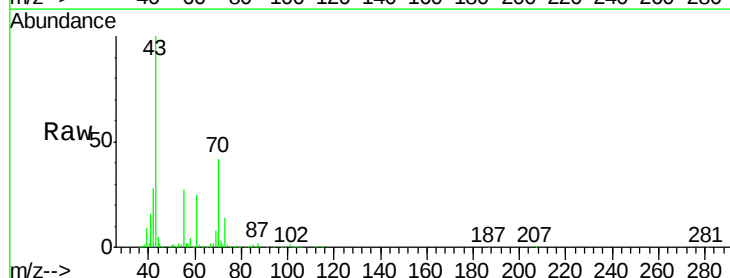
Ion Ratio Lower Upper

43 100

70 43.7 30.3 45.5

55 26.8 19.4 29.2

61 24.3 17.8 26.6

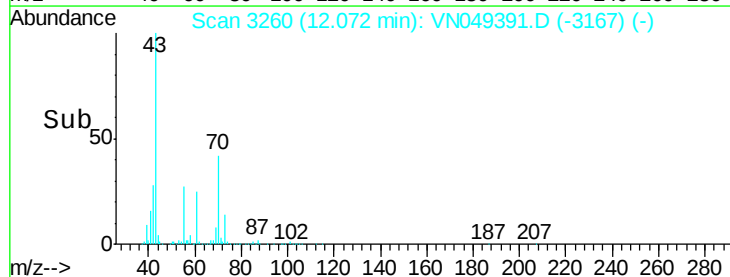
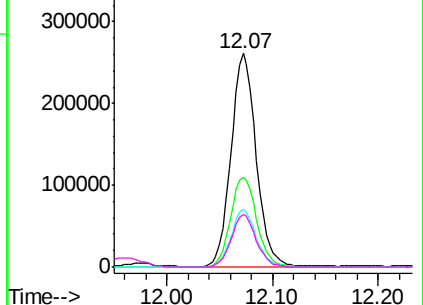


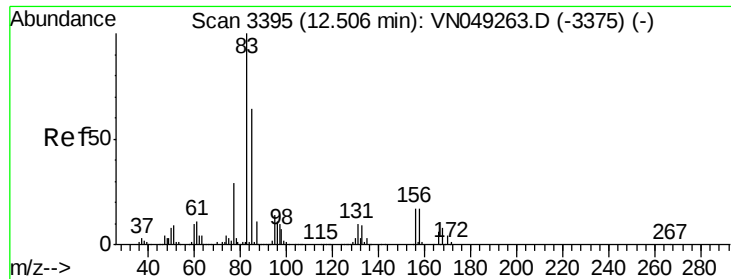
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.725 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

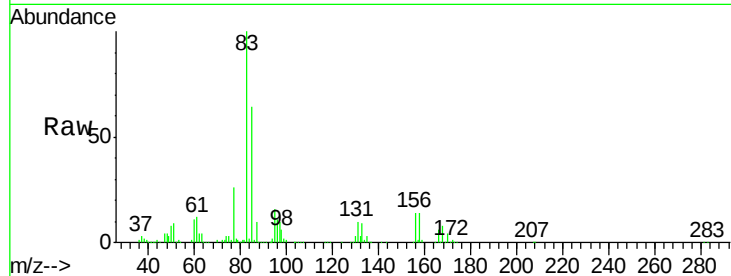
ClientSampleId :

VN0619WBSD01

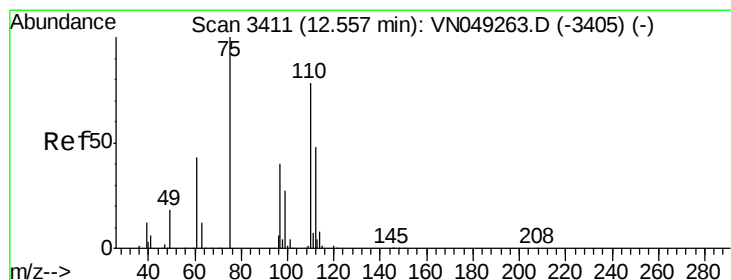
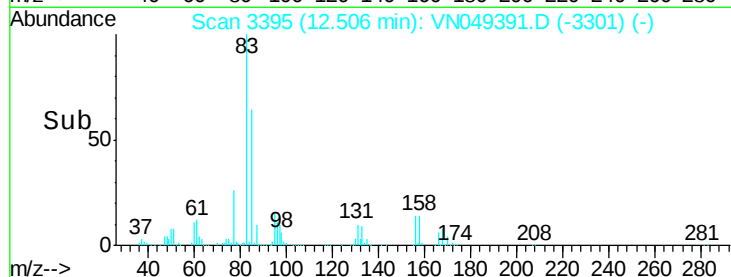
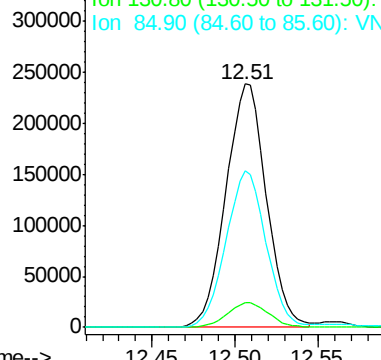
Tot Ion:	83	Resp:	406798
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	15.0
85	63.6	32.0	96.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN049391.D (-3301) (-)



#76

1,2,3-Trichloropropane

Concen: 22.711 ug/l m

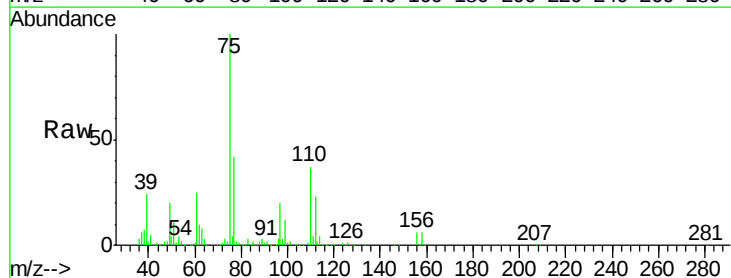
RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

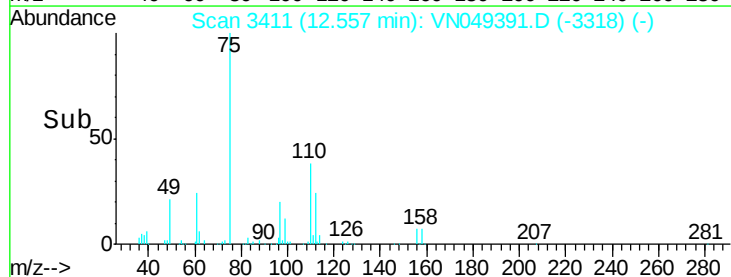
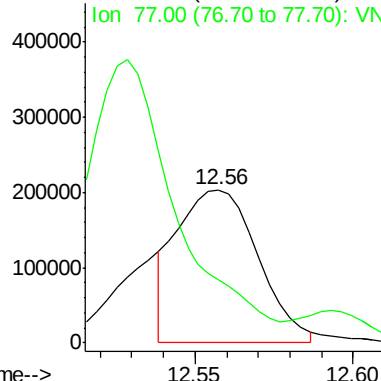
Lab File: VN049391.D

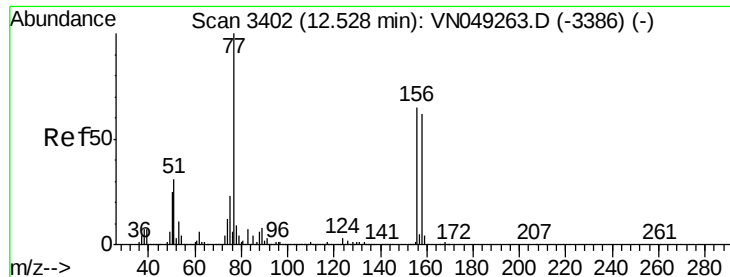
Acq: 19 Jun 2018 17:46

Tgt Ion:	75	Resp:	364442
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049391.D (-3318) (-)





#77

Bromobenzene

Concen: 18.991 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

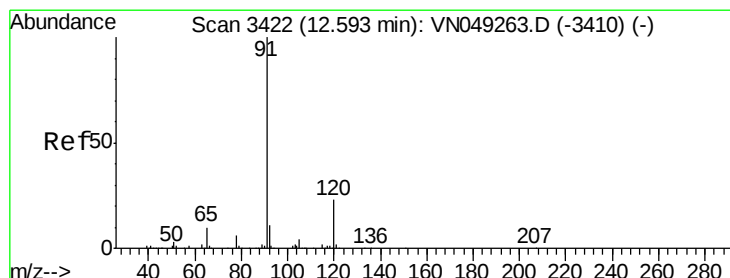
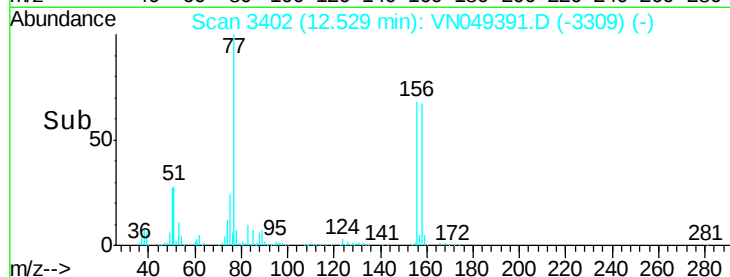
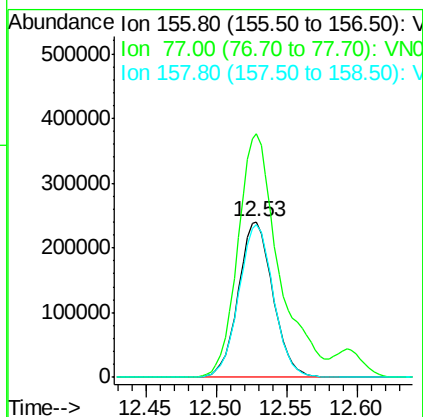
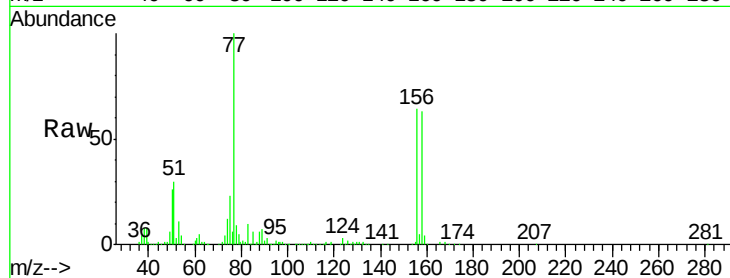
ClientSampleId :

VN0619WBSD01

Tot Ion:	156	Resp:	414216
Ion Ratio	Lower	Upper	
156	100		
77	184.6	100.8	302.4
158	98.1	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.721 ug/l

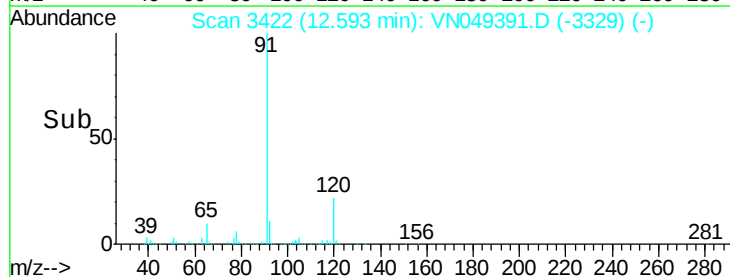
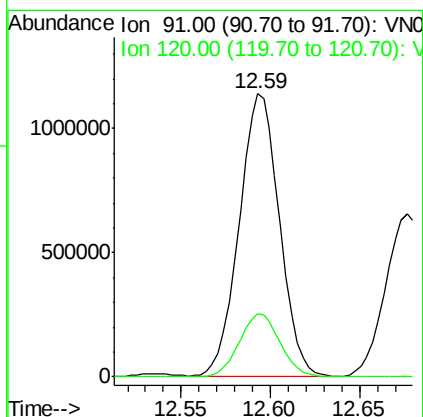
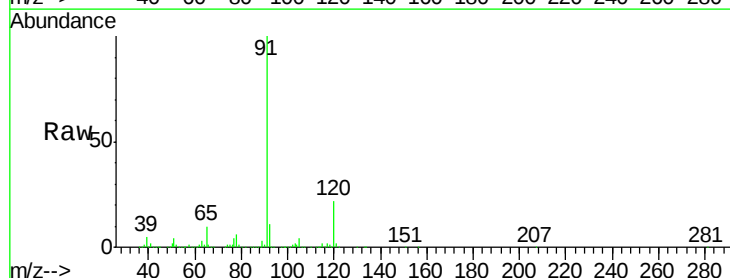
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Tgt Ion:	91	Resp:	1788093
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.339 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion: 91 Resp: 1111006

Ion Ratio Lower Upper

91 100

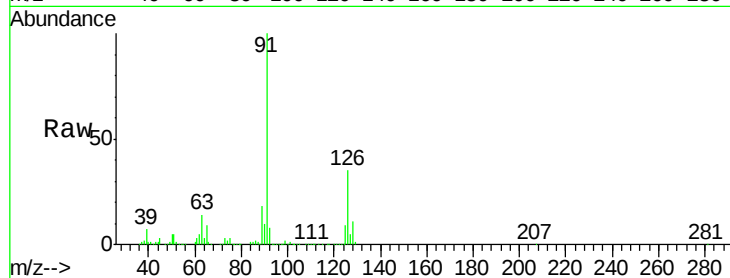
126 35.0 16.6 49.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN049391.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049391.D (-3436) (-)

800000

600000

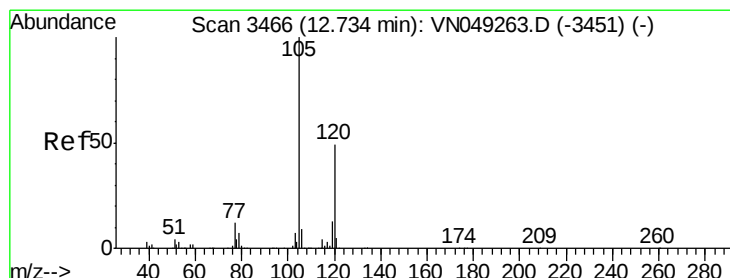
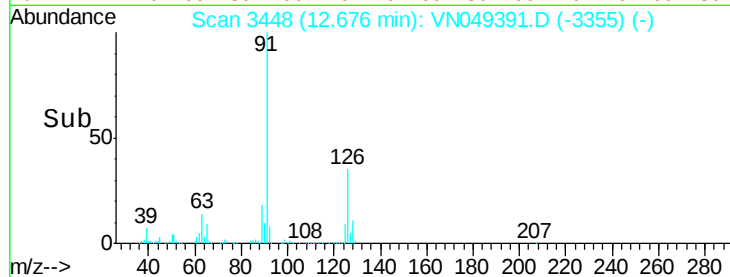
400000

200000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.051 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049391.D

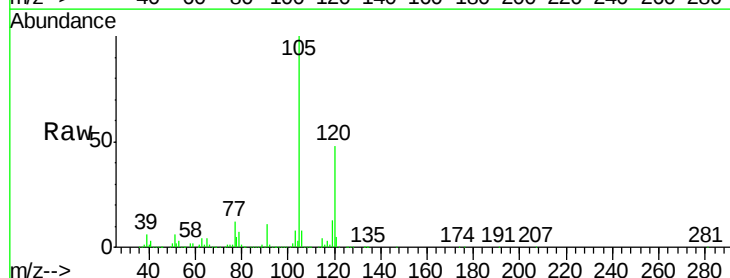
Acq: 19 Jun 2018 17:46

Tgt Ion:105 Resp: 1301374

Ion Ratio Lower Upper

105 100

120 48.2 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049391.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049391.D (-3451) (-)

800000

600000

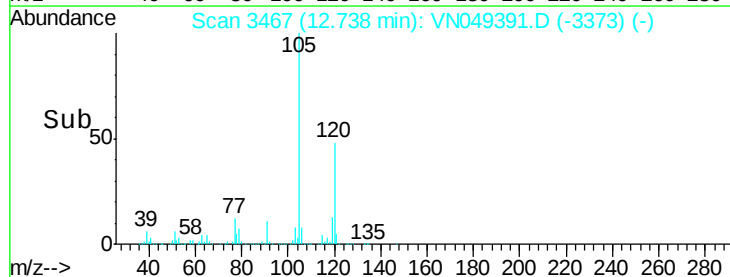
400000

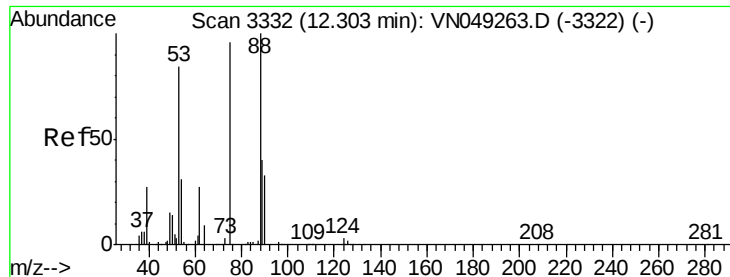
200000

0

12.65 12.70 12.75 12.80

Time-->





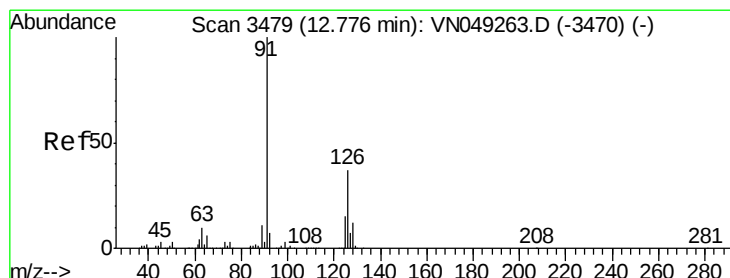
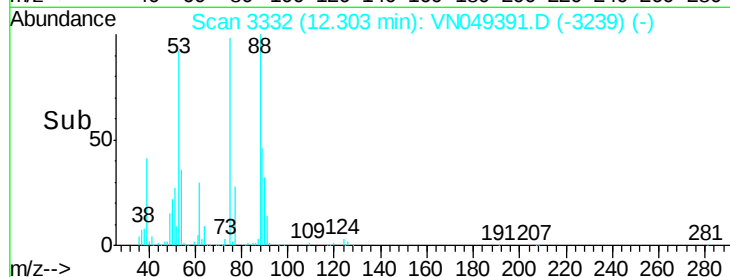
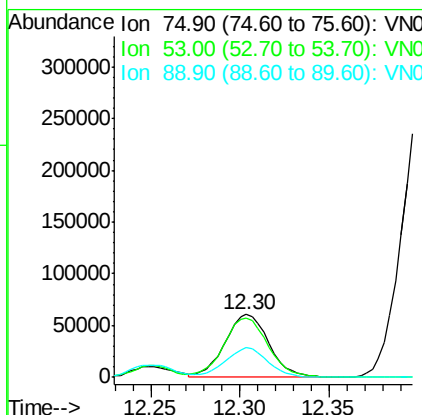
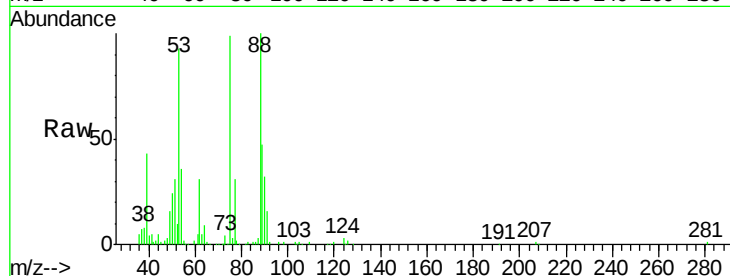
#81
trans-1,4-Dichloro-2-butene
Concen: 20.458 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.9	82.7	124.1
89	45.8	36.5	54.7

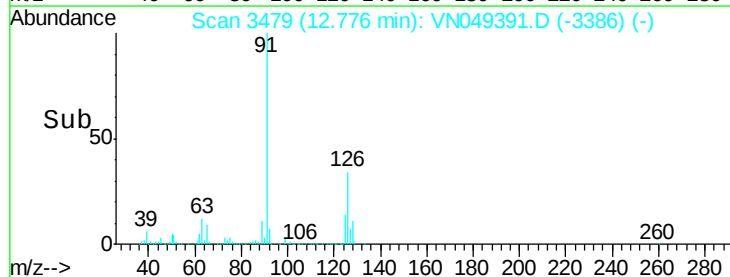
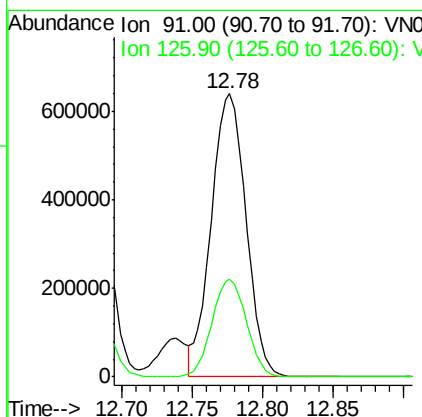
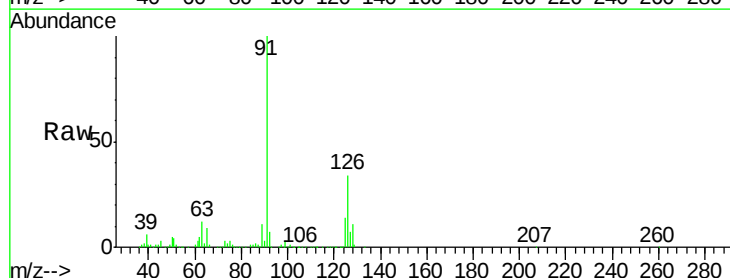
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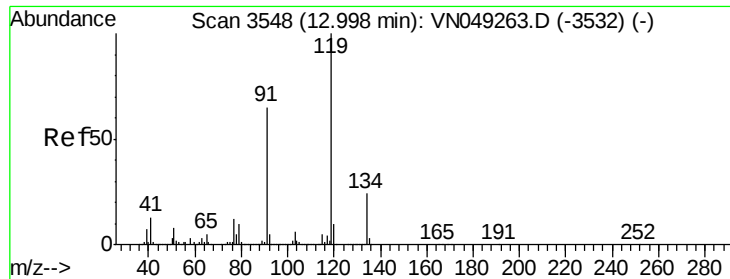
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.733 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.1





#83

tert-Butylbenzene

Concen: 19.012 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBSD01

Tot Ion:119 Resp: 1093222

Ion Ratio Lower Upper

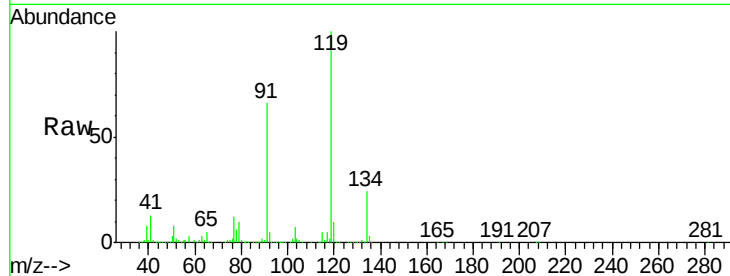
119 100

91 65.0 33.7 101.0

134 25.9 12.9 38.6

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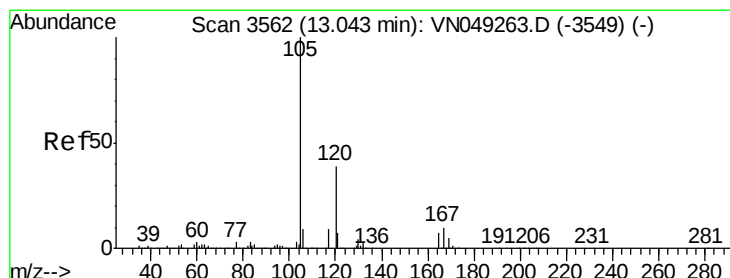
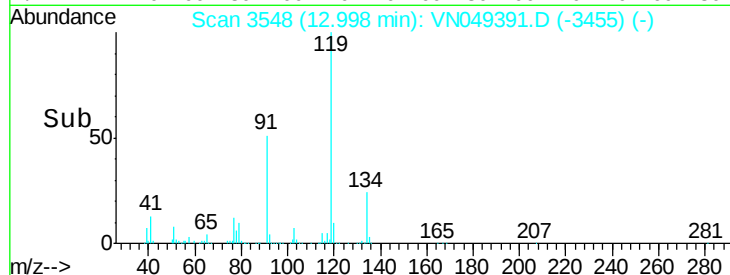
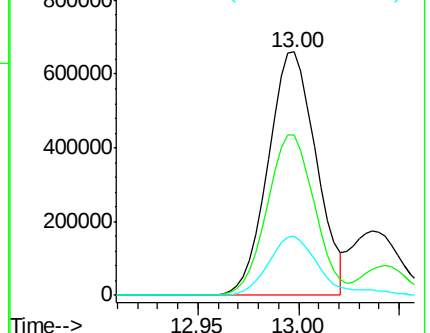
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.218 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049391.D

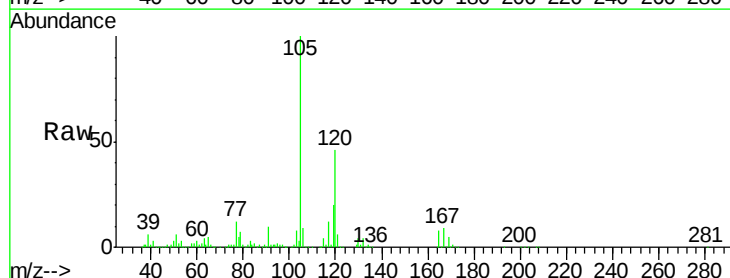
Acq: 19 Jun 2018 17:46

Tgt Ion:105 Resp: 1303616

Ion Ratio Lower Upper

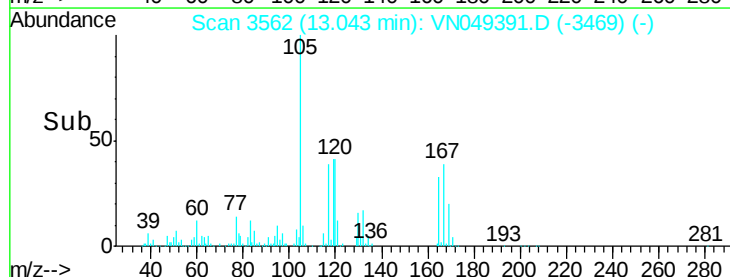
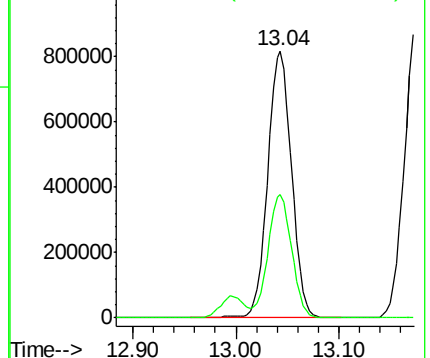
105 100

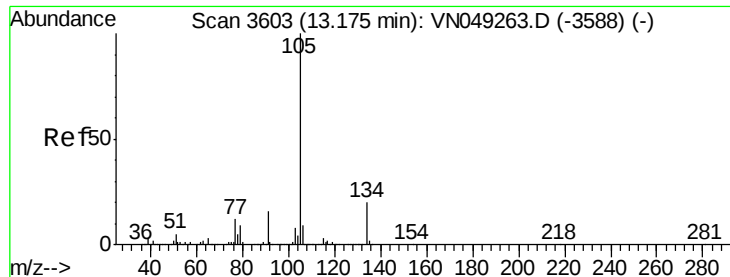
120 45.9 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





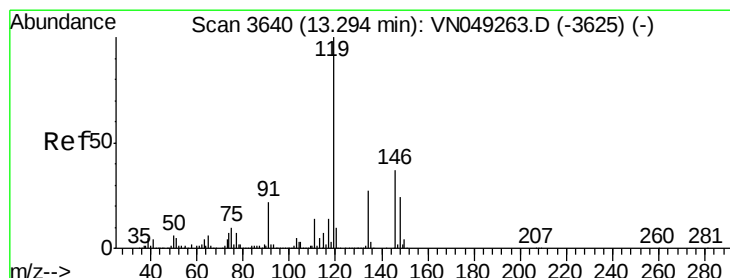
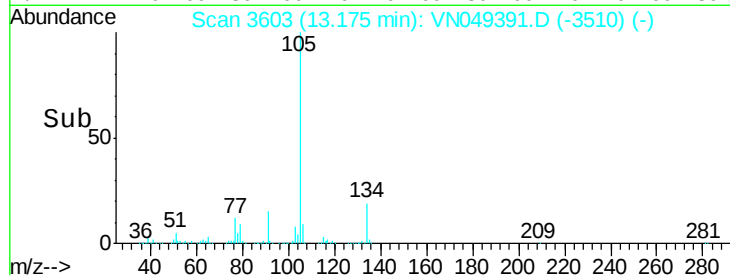
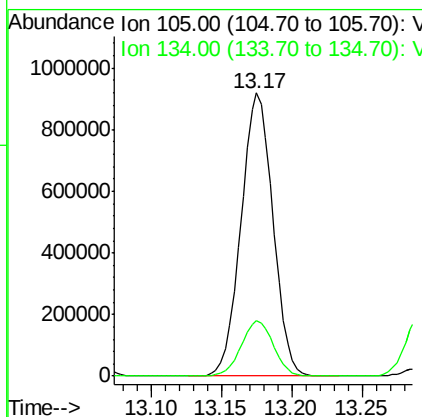
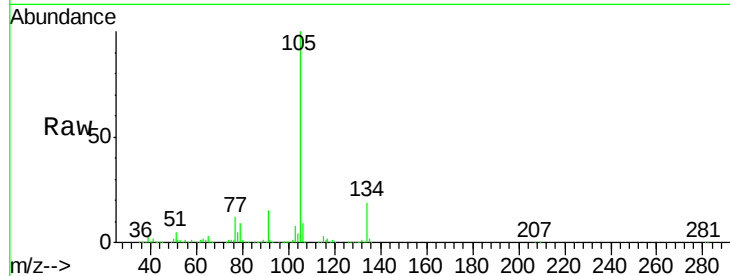
#85
 sec-Butylbenzene
 Concen: 19.027 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049391.D
 Acq: 19 Jun 2018 17:46

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0619WBSD01

Tot Ion:105 Resp: 1456190
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.3

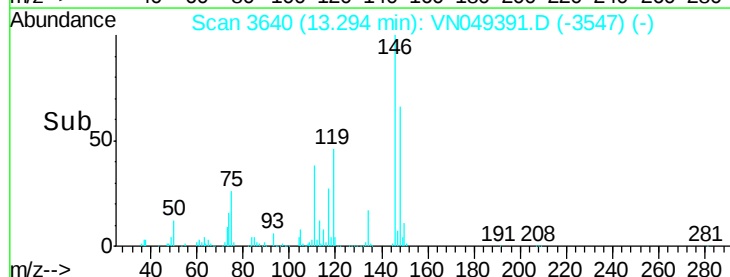
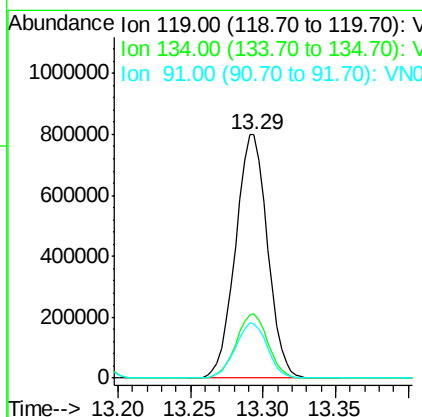
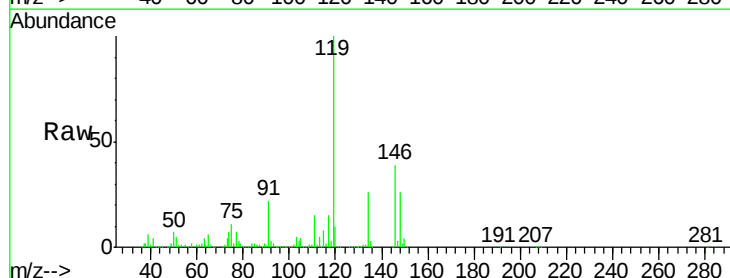
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#86
 p-Isopropyltoluene
 Concen: 19.084 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN049391.D
 Acq: 19 Jun 2018 17:46

Tgt Ion:119 Resp: 1220267
 Ion Ratio Lower Upper
 119 100
 134 26.5 12.9 38.6
 91 22.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 18.937 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

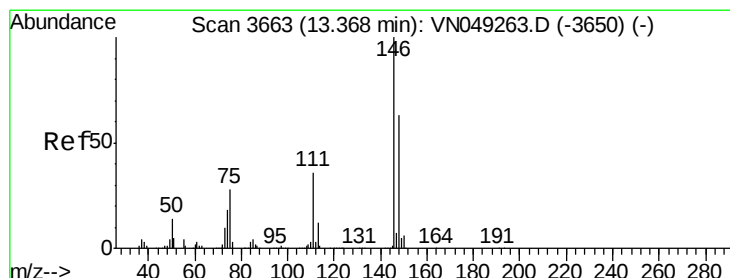
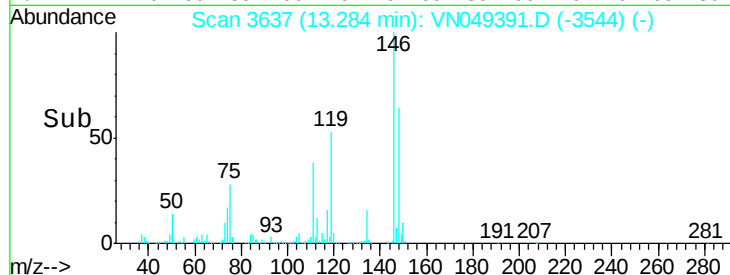
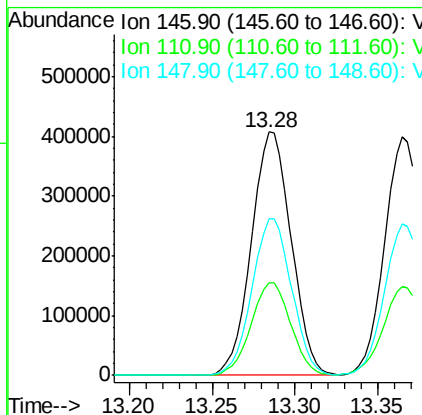
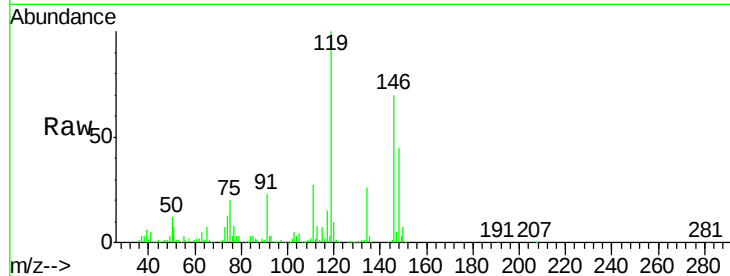
ClientSampleId :

VN0619WBSD01

Tot Ion:	146	Resp:	679510
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.9	59.6
148	64.0	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.364 ug/l

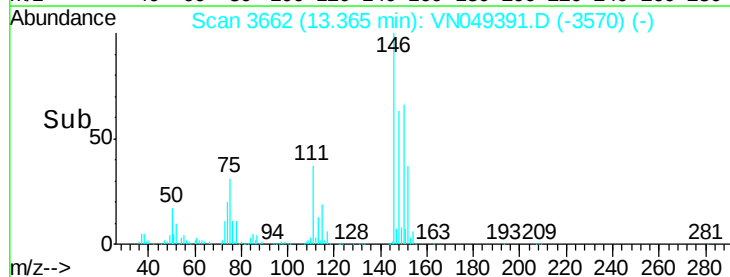
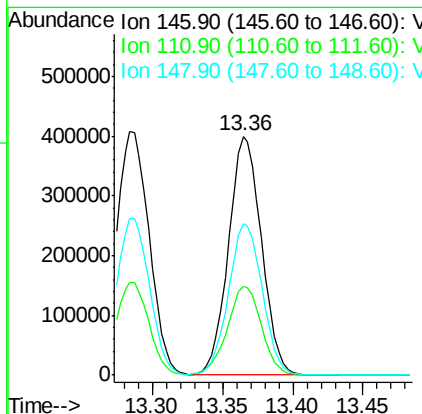
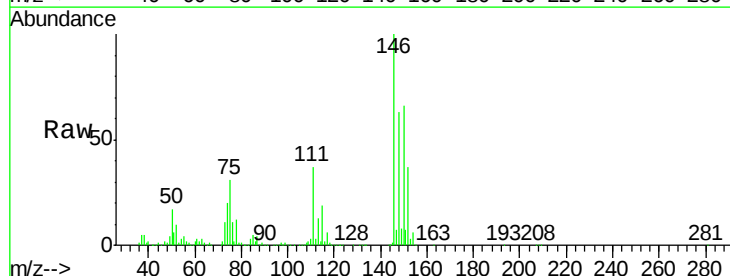
RT: 13.36 min Scan# 3662

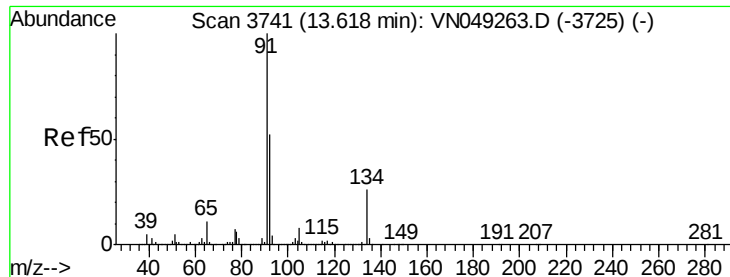
Delta R.T. -0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Tgt Ion:	146	Resp:	653116
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.1	57.1
148	65.2	32.0	96.2





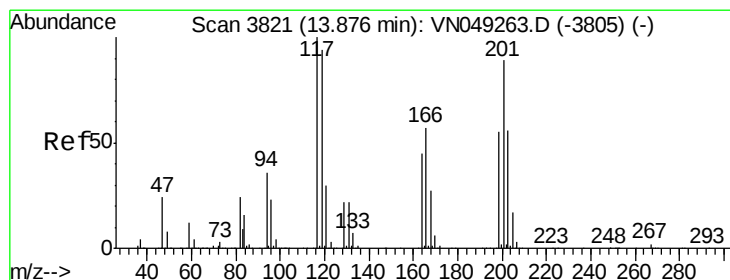
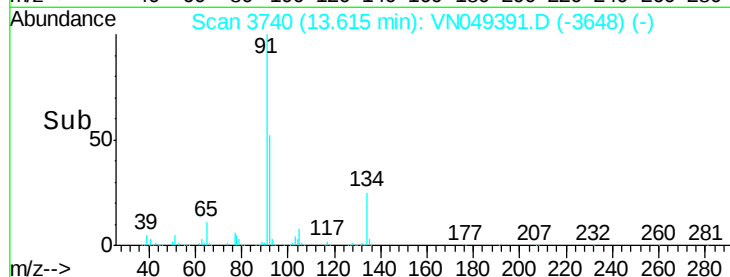
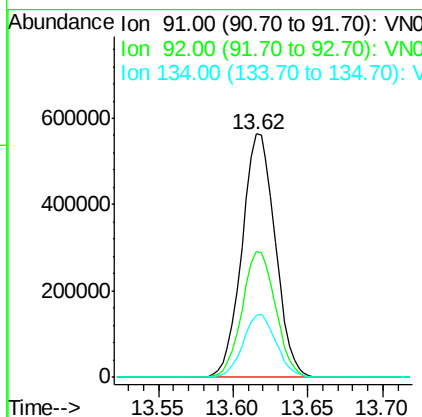
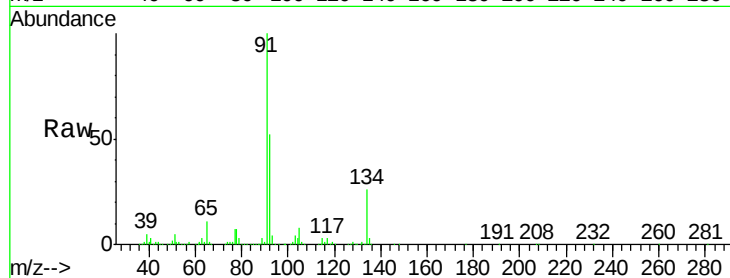
#89
n-Butylbenzene
Concen: 17.494 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.1	75.4
134	25.6	12.0	36.0

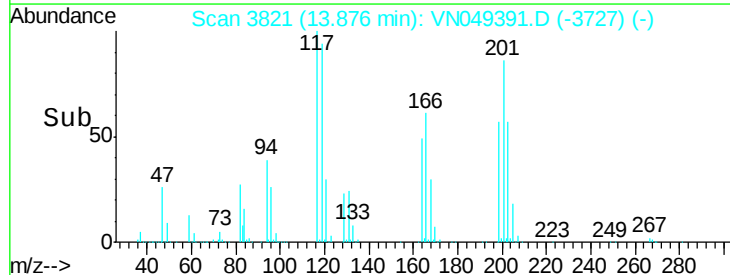
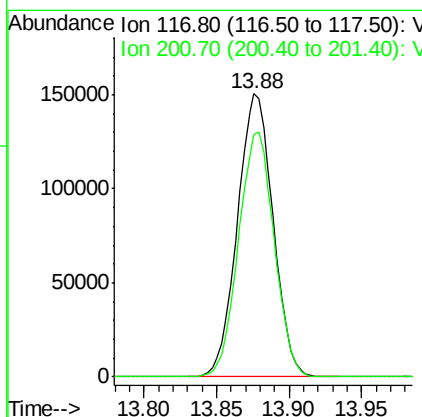
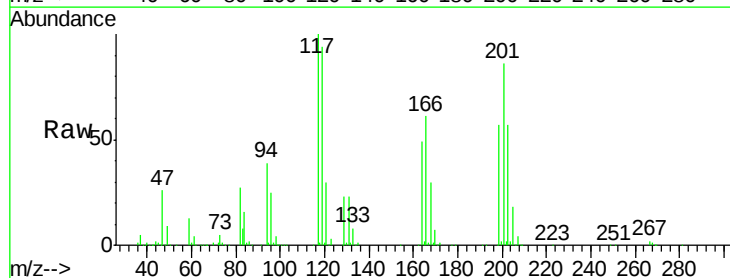
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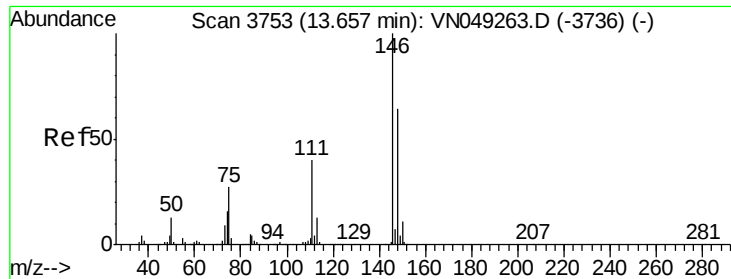
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#90
Hexachloroethane
Concen: 20.260 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	40.1	120.2





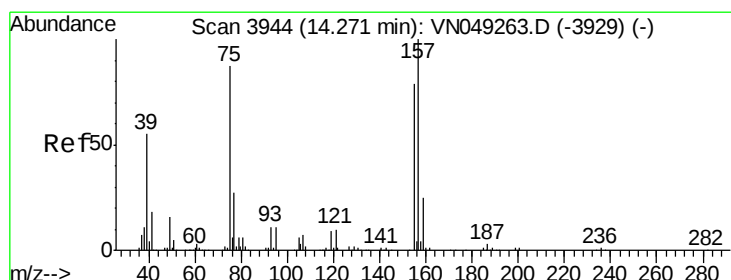
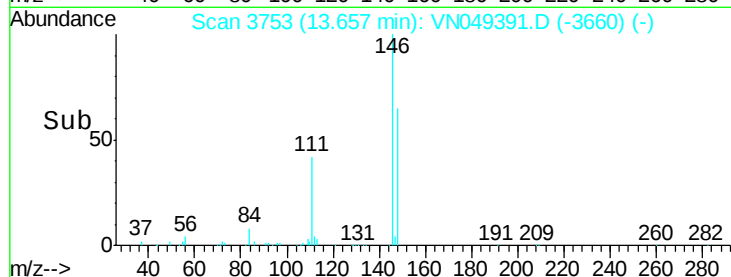
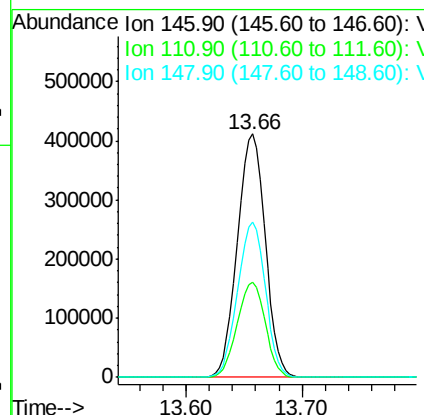
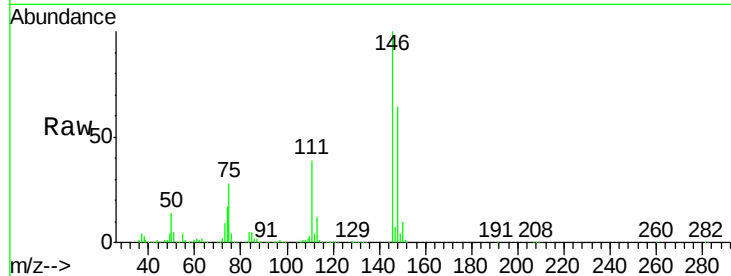
#91
 1,2-Dichlorobenzene
 Concen: 19.422 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049391.D
 Acq: 19 Jun 2018 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.8	62.2
148	63.7	32.0	96.2

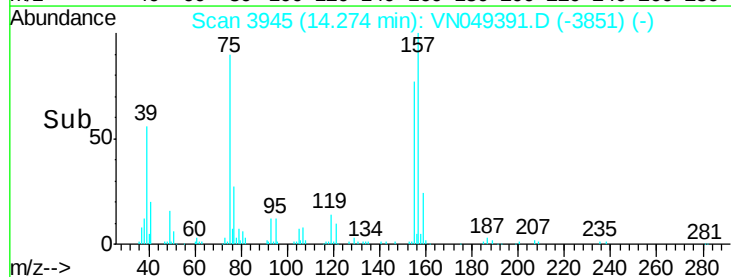
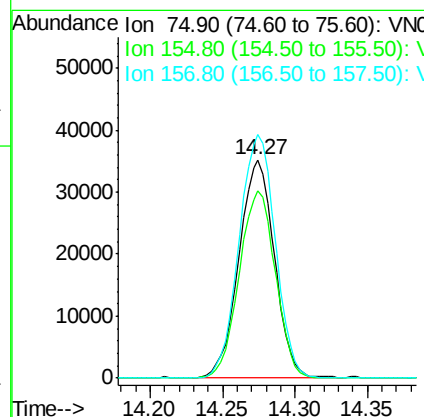
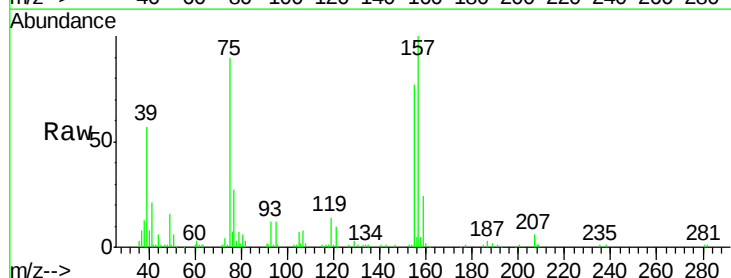
Manual Integrations
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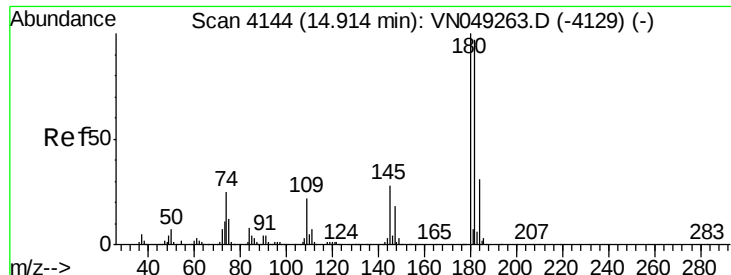
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.848 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049391.D
 Acq: 19 Jun 2018 17:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	38.8	116.3
157	113.7	51.0	153.1





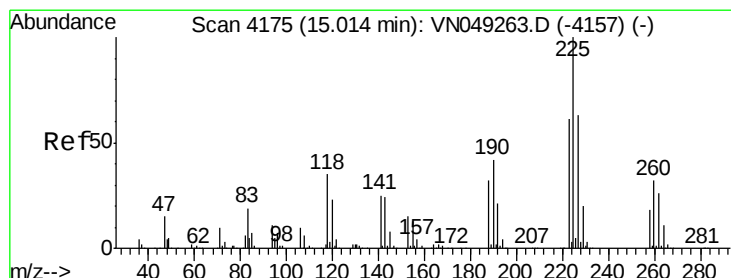
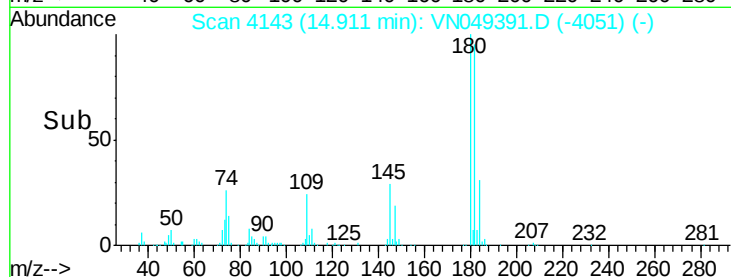
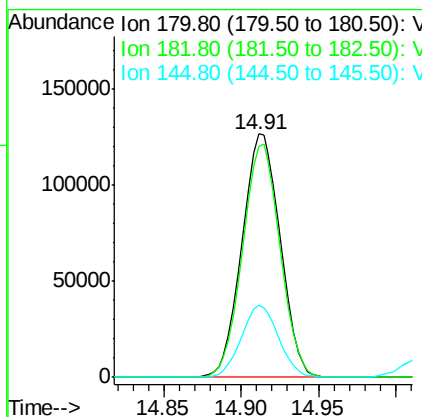
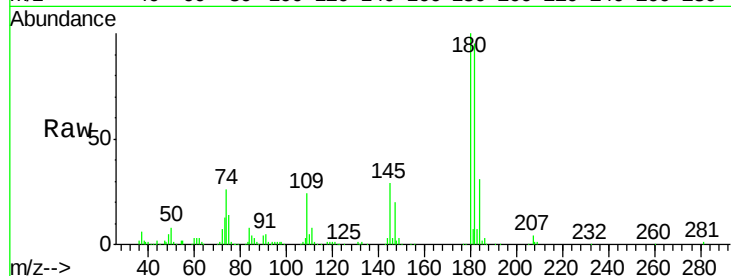
#93
1,2,4-Trichlorobenzene
Concen: 16.927 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. -0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	217111		
182	94.3	46.9	140.8	
145	29.0	14.7	44.1	

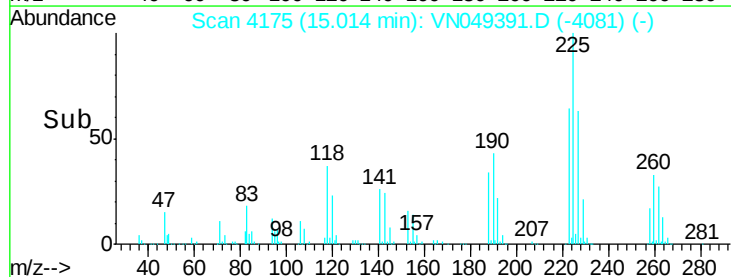
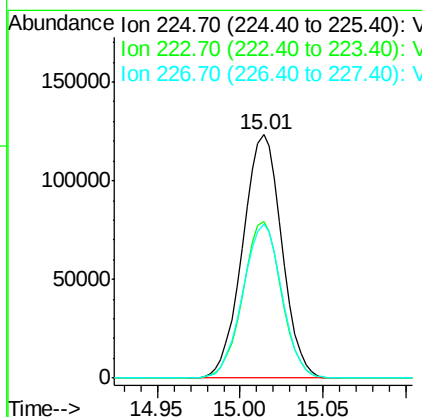
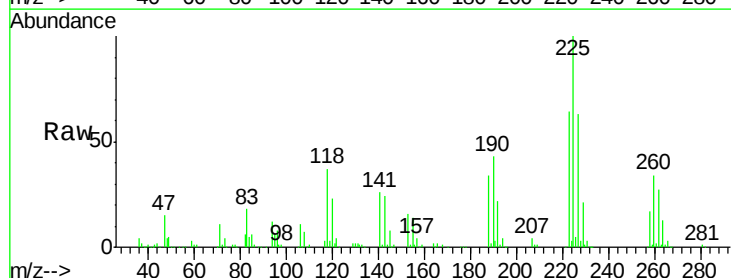
Manual Integrations
APPROVED

MMDadoda
6/20/2018 4:54:01 PM



#94
Hexachlorobutadiene
Concen: 17.933 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN049391.D
Acq: 19 Jun 2018 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	202541		
223	63.3	32.1	96.3	
227	63.3	31.8	95.3	





#95

Naphthalene

Concen: 18.815 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Instrument :

MSVOA_N

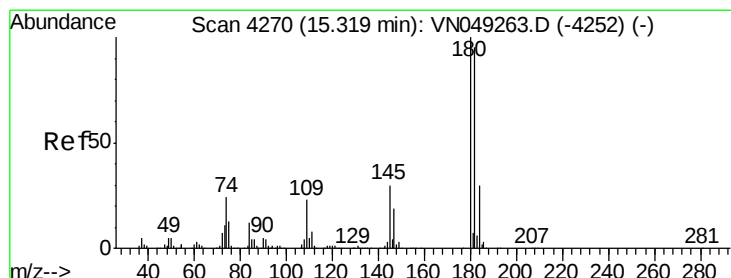
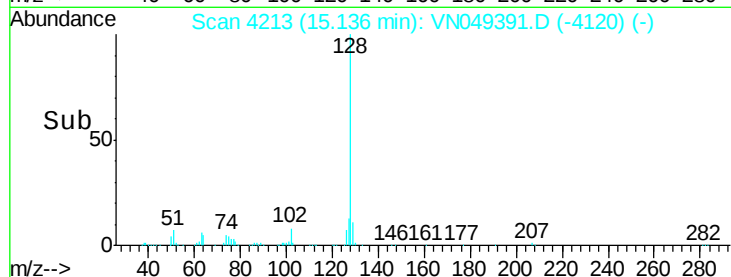
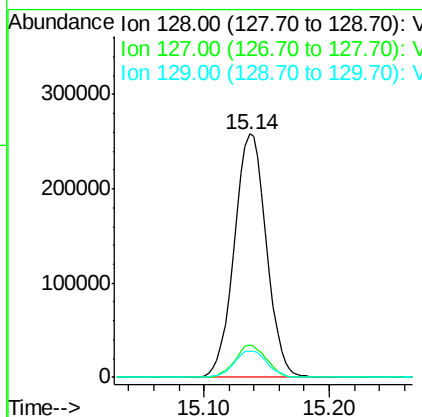
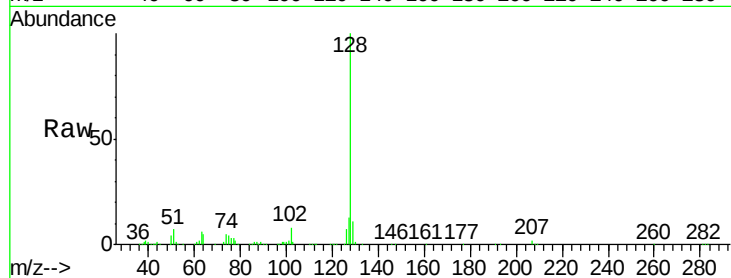
ClientSampleId :

VN0619WBSD01

Tot Ion:	128	Resp:	457920
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	16.0
129	11.2	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/20/2018 4:54:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.032 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049391.D

Acq: 19 Jun 2018 17:46

Tgt Ion:	180	Resp:	246868
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.3	141.8
145	31.1	15.6	46.7

