

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062618\
 Data File : VN049553.D
 Acq On : 26 Jun 2018 15:31
 Operator : MD\SY
 Sample : VN0626WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/27/2018 5:29:44 PM

Quant Time: Jun 27 01:26:04 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	1672488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2569693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2270411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1178211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1084266	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
35) Dibromofluoromethane	7.59	113	973198	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
50) Toluene-d8	10.09	98	3668933	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
62) 4-Bromofluorobenzene	12.40	95	1251310	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	300899	15.63	ug/l	98
3) Chloromethane	2.06	50	384158	15.45	ug/l	97
4) Vinyl Chloride	2.18	62	432088	16.36	ug/l	99
5) Bromomethane	2.56	94	218472	15.73	ug/l	97
6) Chloroethane	2.70	64	278423	17.68	ug/l	99
7) Trichlorofluoromethane	3.02	101	521707	15.83	ug/l	99
8) Diethyl Ether	3.41	74	218077	18.95	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	383207	18.33	ug/l	92
10) Methyl Iodide	3.95	142	437852	20.12	ug/l	91
11) Tert butyl alcohol	4.79	59	122569	94.14	ug/l	99
12) 1,1-Dichloroethene	3.73	96	348471	18.17	ug/l	90
13) Acrolein	3.60	56	125506	91.92	ug/l	96
14) Allyl chloride	4.32	41	471299	15.56	ug/l	88
15) Acrylonitrile	4.99	53	610137	93.72	ug/l	98
16) Acetone	3.82	43	500195	92.87	ug/l	90
17) Carbon Disulfide	4.05	76	925616	15.40	ug/l	99
18) Methyl Acetate	4.33	43	686342	41.79	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	996255	20.38	ug/l	98
20) Methylene Chloride	4.55	84	409881	18.22	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	370825	18.27	ug/l	95
22) Diisopropyl ether	5.95	45	1212386	20.05	ug/l	97
23) Vinyl Acetate	5.90	43	3815331	96.79	ug/l	96
24) 1,1-Dichloroethane	5.85	63	724109	18.71	ug/l	99
25) 2-Butanone	6.84	43	642356	88.82	ug/l	95
26) 2,2-Dichloropropane	6.82	77	602359	19.27	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	433008	19.18	ug/l	93
28) Bromochloromethane	7.19	49	325657	18.98	ug/l #	81
29) Tetrahydrofuran	7.21	42	450013	96.66	ug/l	92
30) Chloroform	7.37	83	741651	19.26	ug/l	100
31) Cyclohexane	7.65	56	636543	19.29	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	626179	19.05	ug/l	97
36) 1,1-Dichloropropene	7.79	75	540736	18.36	ug/l	96
37) Ethyl Acetate	6.93	43	315100	19.68	ug/l #	92
38) Carbon Tetrachloride	7.77	117	517416	16.97	ug/l	96

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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	598501	18.93	ug/l	95
40) Benzene	8.04	78	1675793	18.56	ug/l	99
41) Methacrylonitrile	7.17	41	169730	19.61	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	518116	18.57	ug/l	96
43) Isopropyl Acetate	8.17	43	1082194	35.38	ug/l #	86
44) Trichloroethene	8.83	130	500577	20.99	ug/l	94
45) 1,2-Dichloropropane	9.12	63	444151	18.79	ug/l	99
46) Dibromomethane	9.21	93	255436	18.63	ug/l	91
47) Bromodichloromethane	9.40	83	547956	18.19	ug/l	97
48) Methyl methacrylate	9.20	41	304547	21.14	ug/l	89
49) 1,4-Dioxane	9.20	88	75177	378.11	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1553178	96.87	ug/l	94
52) Toluene	10.16	92	1020639	19.26	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	530915	18.42	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	633788	18.63	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	367599	18.61	ug/l	98
56) Ethyl methacrylate	10.43	69	446144	19.58	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	618988	18.91	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	1144982	146.80	ug/l	94
59) 2-Hexanone	10.75	43	1014166	98.11	ug/l	93
60) Dibromochloromethane	10.90	129	395149	17.92	ug/l	100
61) 1,2-Dibromoethane	11.01	107	359795	19.59	ug/l	100
64) Tetrachloroethene	10.63	164	551949	23.72	ug/l	97
65) Chlorobenzene	11.43	112	1118617	19.13	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	404300	18.37	ug/l	100
67) Ethyl Benzene	11.51	91	1891010	19.49	ug/l	97
68) m/p-Xylenes	11.62	106	1472478	40.44	ug/l	96
69) o-Xylene	11.95	106	710190	20.25	ug/l	96
70) Styrene	11.96	104	1137865	20.57	ug/l	96
71) Bromoform	12.13	173	253773	17.81	ug/l #	99
73) Isopropylbenzene	12.25	105	1853593	17.92	ug/l	98
74) N-amyl acetate	12.07	43	513538	20.27	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	417316	18.18	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	333982m	16.61	ug/l	
77) Bromobenzene	12.53	156	477398	17.47	ug/l	90
78) n-propylbenzene	12.59	91	2113688	18.61	ug/l	98
79) 2-Chlorotoluene	12.68	91	1292870	17.96	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1552774	19.10	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	109970	17.29	ug/l	92
82) 4-Chlorotoluene	12.77	91	1310983	18.88	ug/l	98
83) tert-Butylbenzene	12.99	119	1304604	18.11	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1612942	19.97	ug/l	99
85) sec-Butylbenzene	13.17	105	1744719	18.20	ug/l	99
86) p-Isopropyltoluene	13.29	119	1546651	19.31	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	856065	19.04	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	838010	18.81	ug/l	100
89) n-Butylbenzene	13.62	91	1281849	20.49	ug/l	98
90) Hexachloroethane	13.88	117	120179	6.45	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	843083	19.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68578	19.04	ug/l	87

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ClientSampleId :
VN0626WBSD01

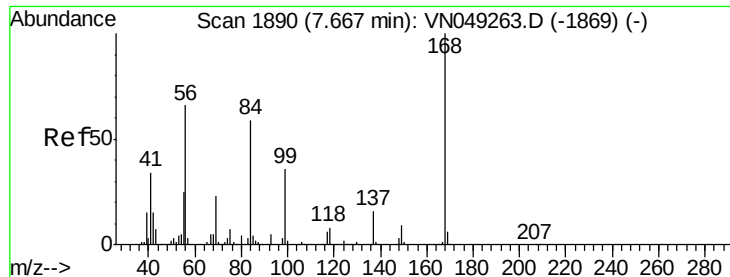
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	446262	24.73	ug/l	98
94) Hexachlorobutadiene	15.01	225	269752	19.25	ug/l	98
95) Naphthalene	15.13	128	982421	29.85	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	421953	23.34	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBSD01

Tot Ion:168 Resp: 1672488

Ion Ratio Lower Upper

168 100

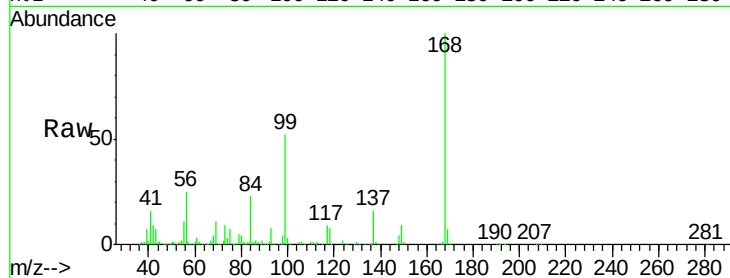
99 51.8 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

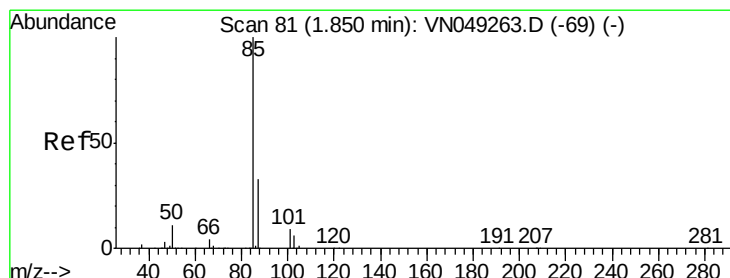
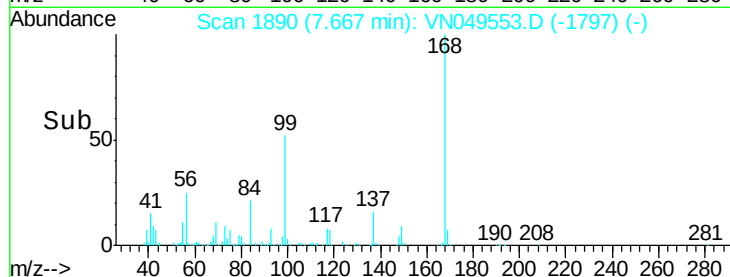
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.63 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049553.D

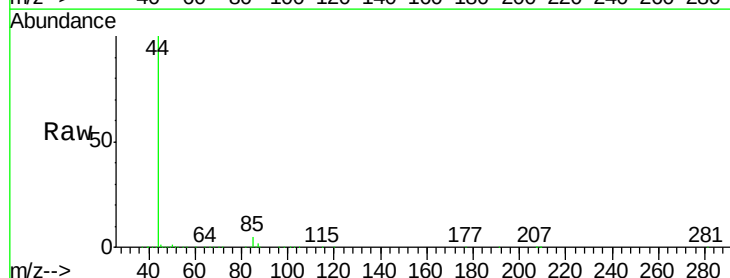
Acq: 26 Jun 2018 15:31

Tgt Ion: 85 Resp: 300899

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

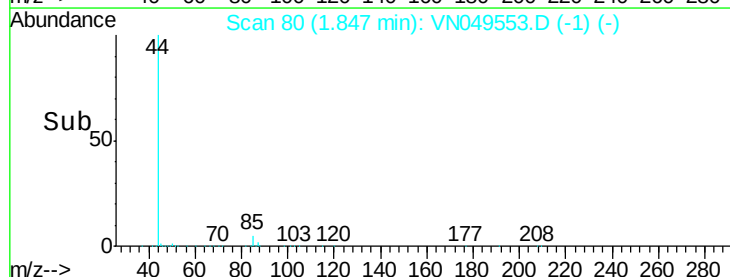
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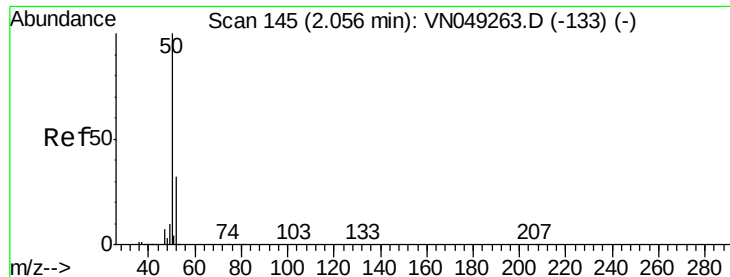
100000

50000

0

Time-->





#3

Chloromethane

Concen: 15.45 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBSD01

Tot Ion: 50 Resp: 384158

Ion Ratio Lower Upper

50 100

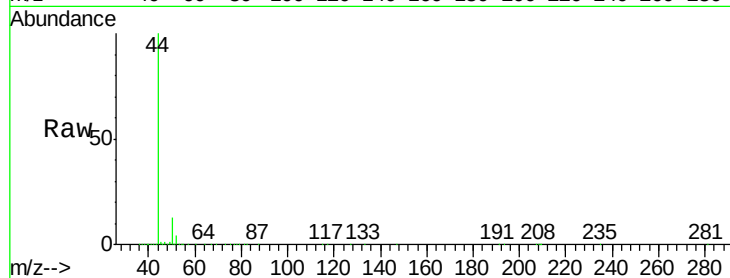
52 33.4 25.2 37.8

Manual Integrations

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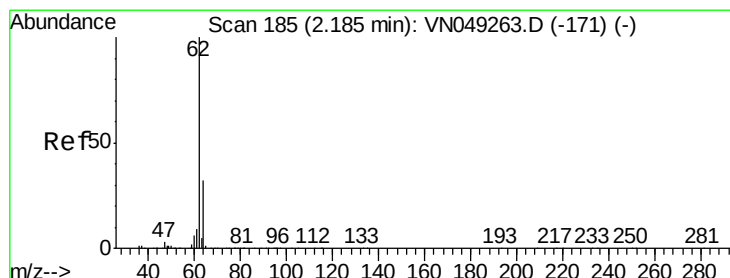
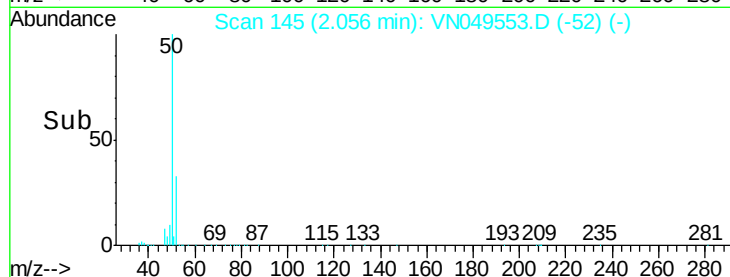
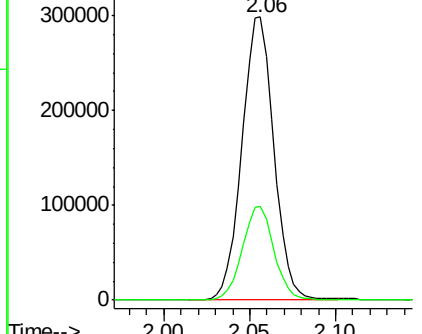
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.36 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049553.D

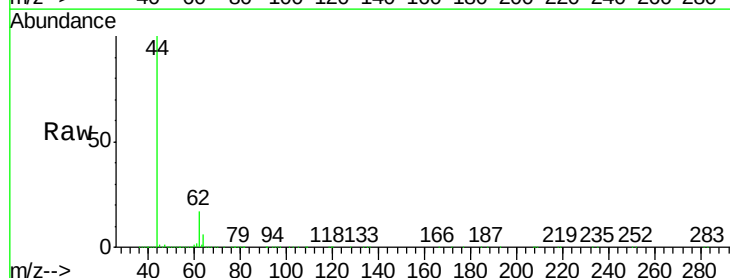
Acq: 26 Jun 2018 15:31

Tgt Ion: 62 Resp: 432088

Ion Ratio Lower Upper

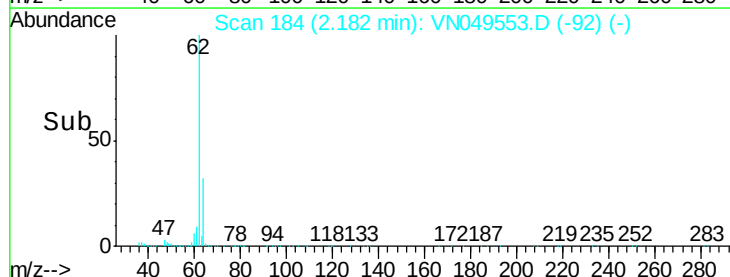
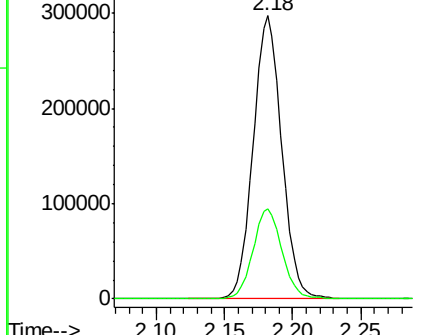
62 100

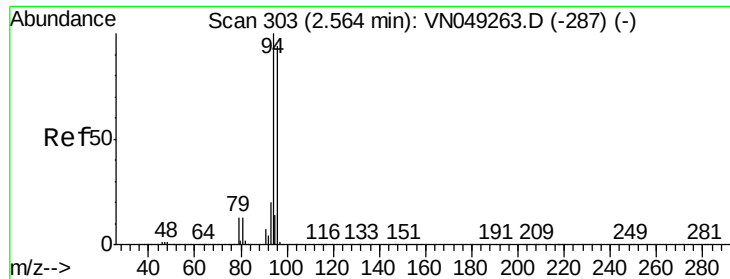
64 31.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 15.73 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBSD01

Tot Ion: 94 Resp: 218472

Ion Ratio Lower Upper

94 100

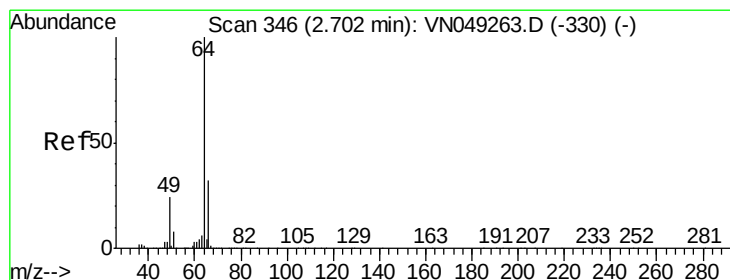
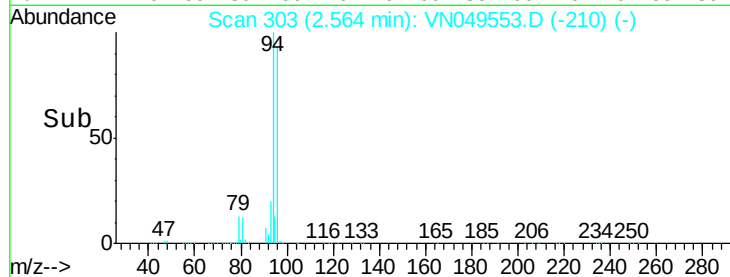
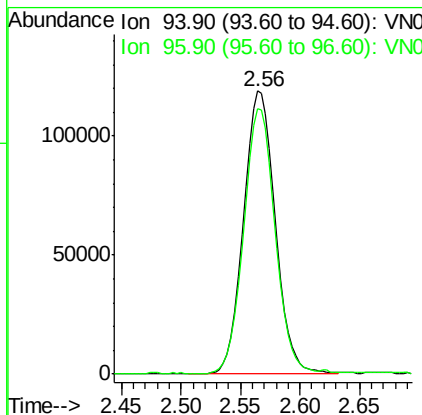
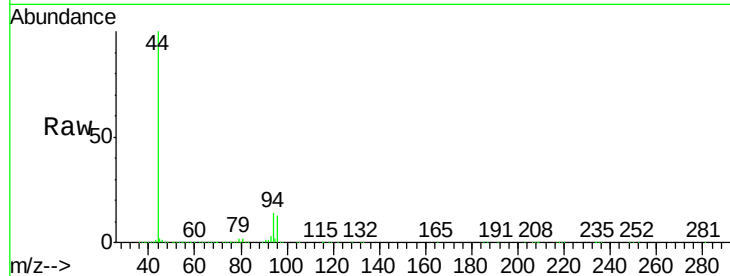
96 93.4 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 17.68 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049553.D

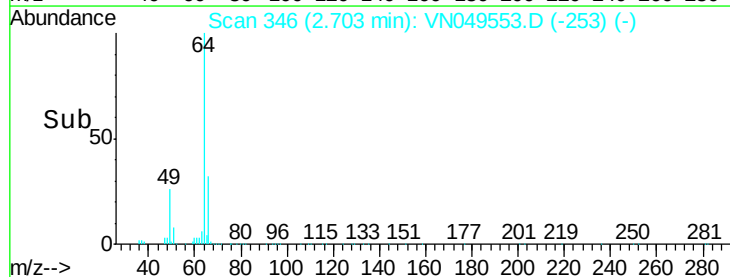
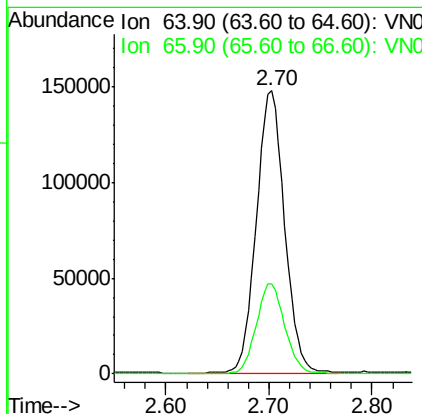
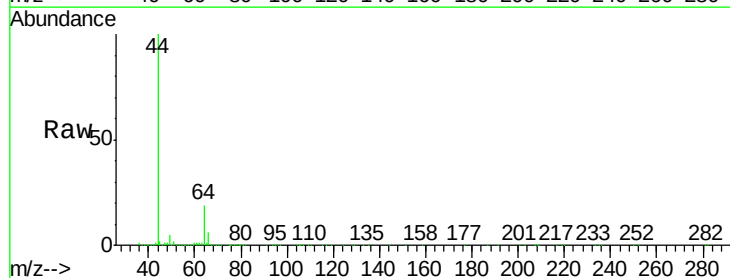
Acq: 26 Jun 2018 15:31

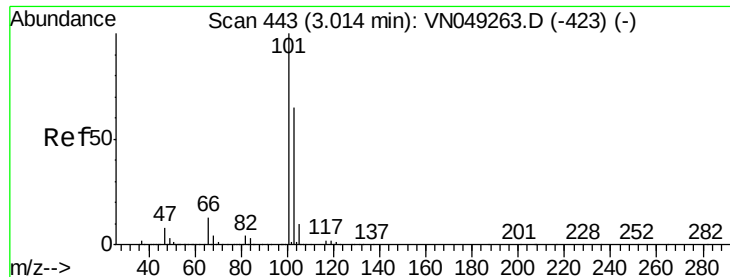
Tgt Ion: 64 Resp: 278423

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4





#7

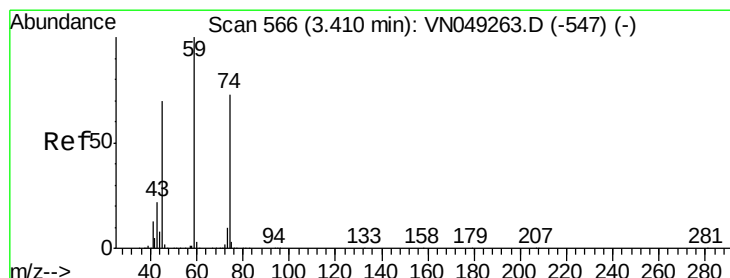
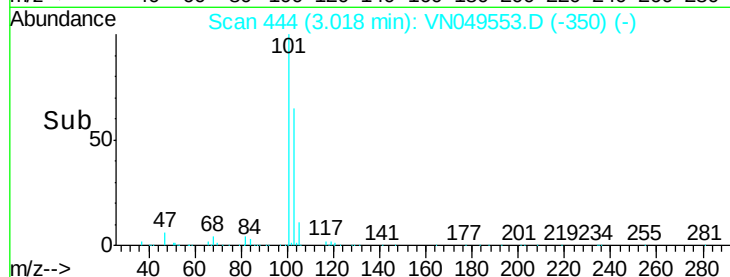
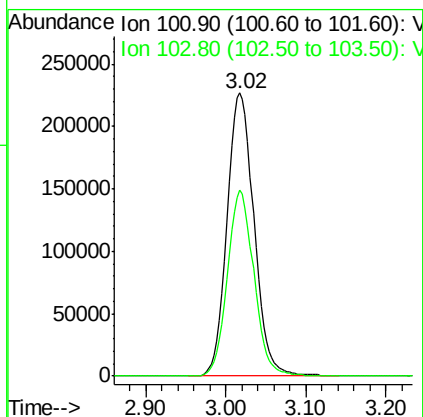
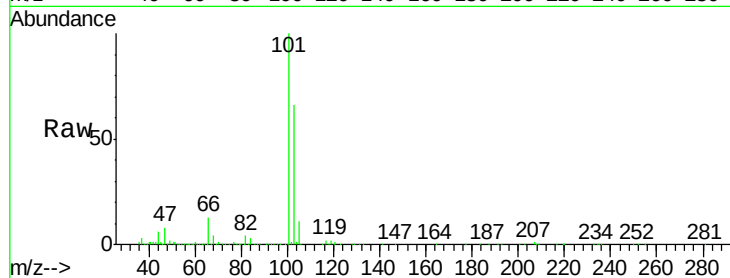
Trichlorofluoromethane
Concen: 15.83 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
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ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.7	77.5

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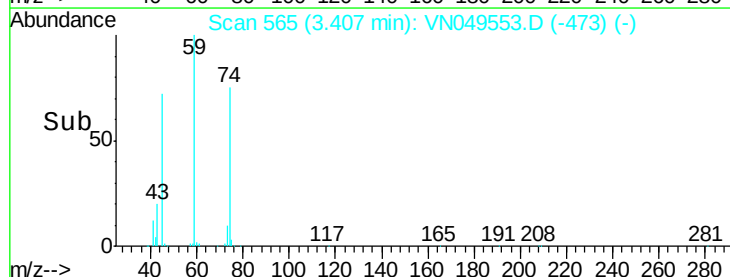
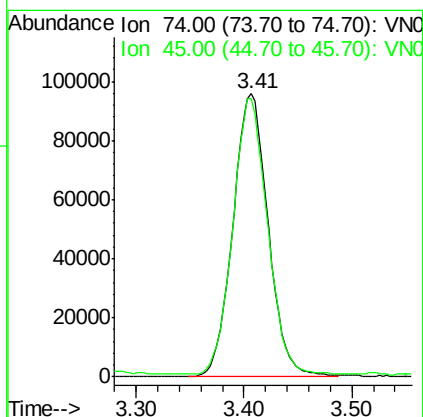
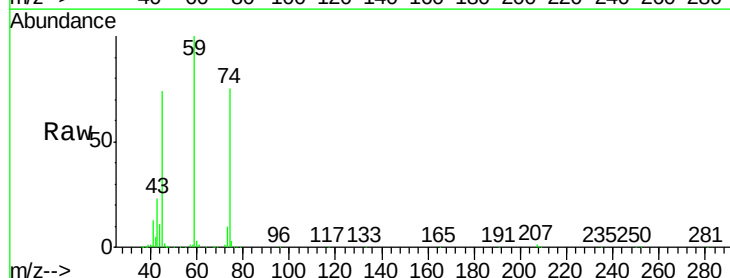
MMDadoda
6/27/2018 5:29:44 PM

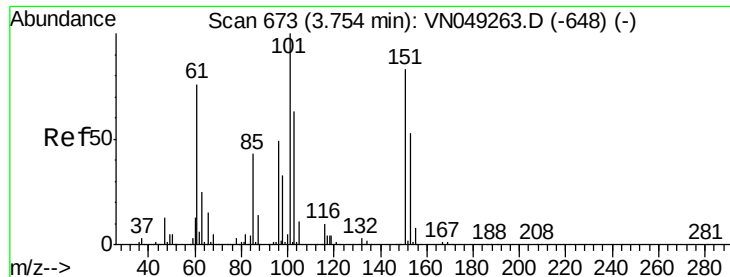


#8

Diethyl Ether
Concen: 18.95 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.33 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

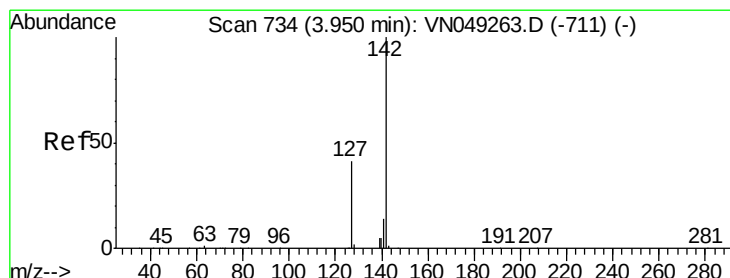
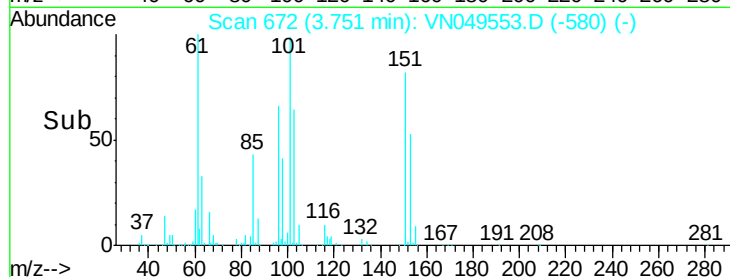
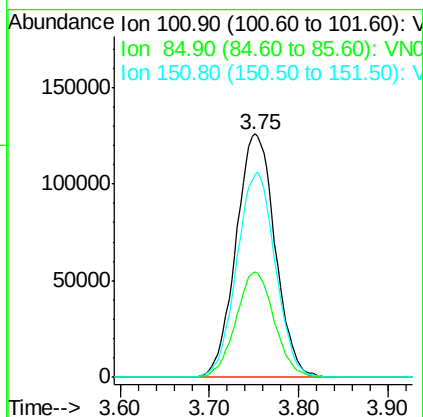
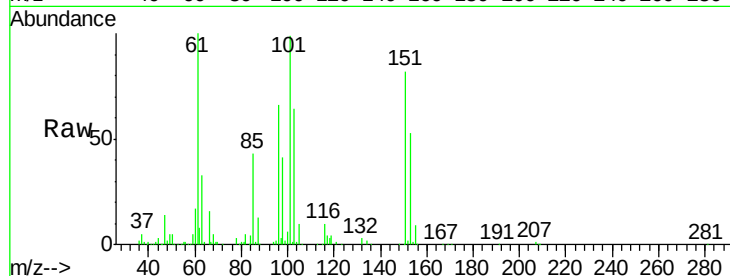
ClientSampleId :

VN0626WBSD01

Tot Ion:	101	Resp:	383207
Ion Ratio	Lower	Upper	
101	100		
85	42.5	37.6	56.4
151	83.5	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 20.12 ug/l

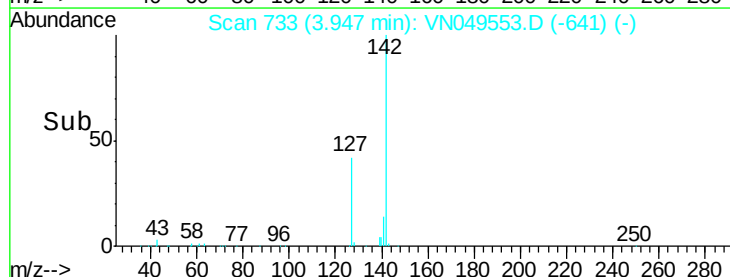
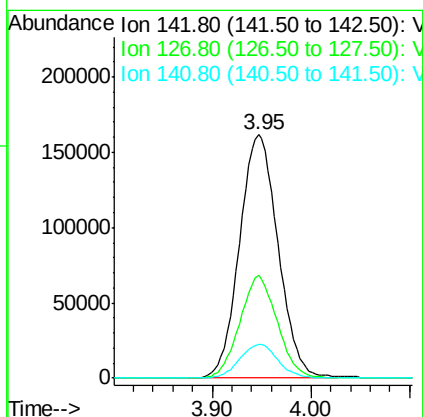
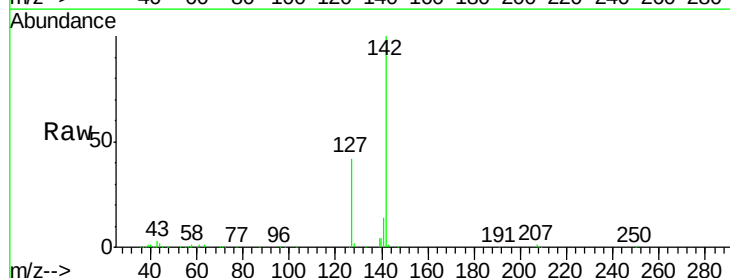
RT: 3.95 min Scan# 733

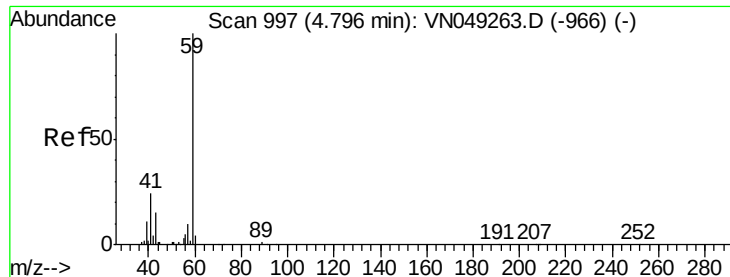
Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Tgt Ion:	142	Resp:	437852
Ion Ratio	Lower	Upper	
142	100		
127	40.8	38.2	57.4
141	13.6	11.9	17.9





#11

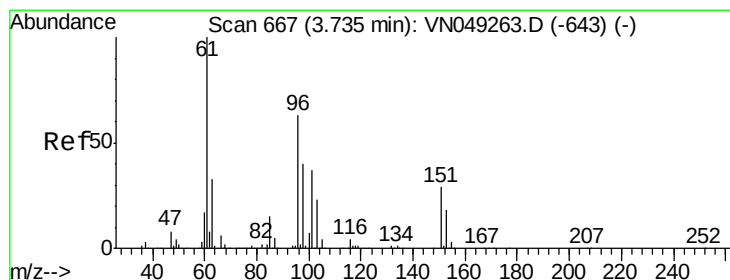
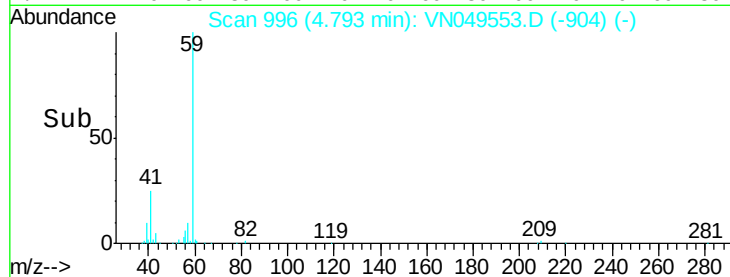
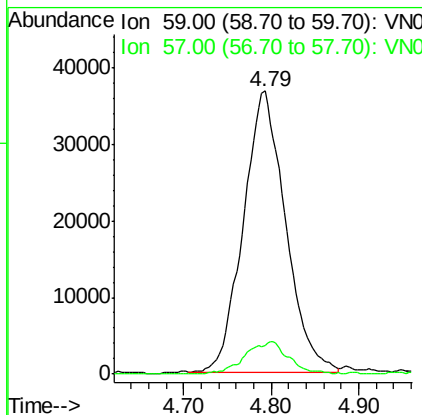
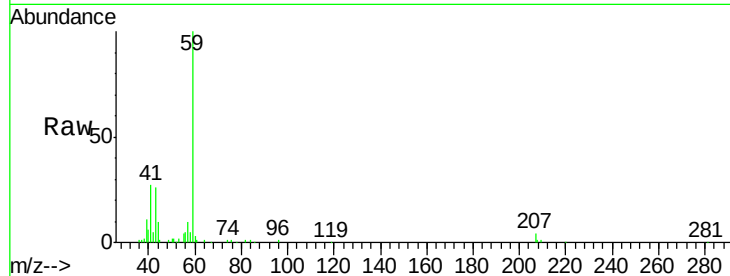
Tert butyl alcohol
Concen: 94.14 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.7	9.0	13.6

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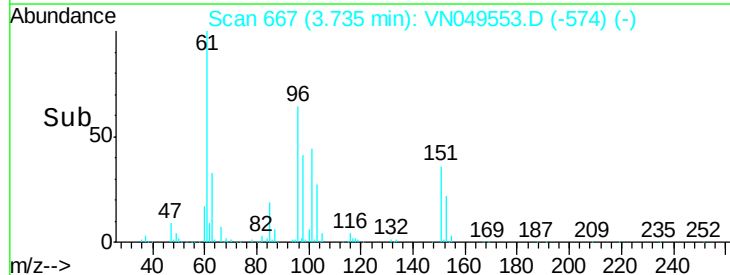
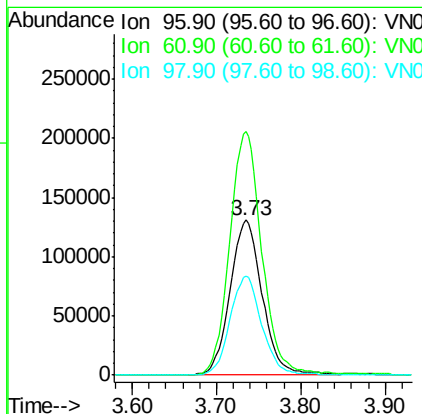
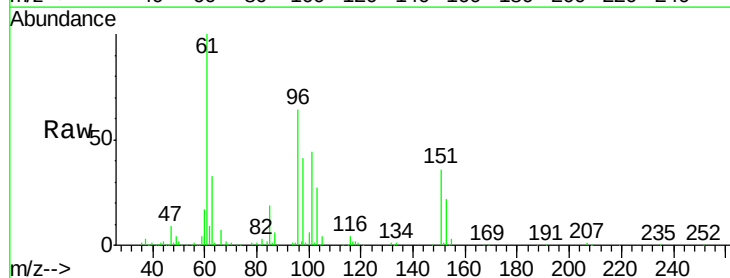
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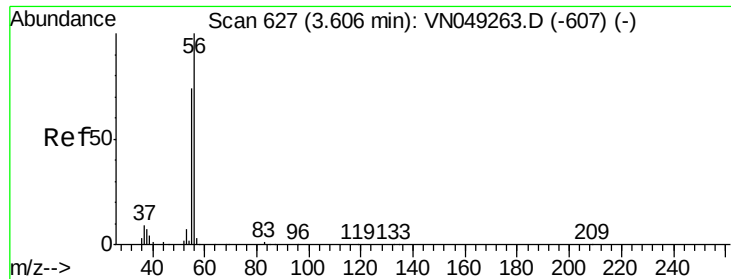


#12

1,1-Dichloroethene
Concen: 18.17 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.3	141.0	211.4
98	64.3	50.4	75.6





#13

Acrolein

Concen: 91.92 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBSD01

Tot Ion: 56 Resp: 125506

Ion Ratio Lower Upper

56 100

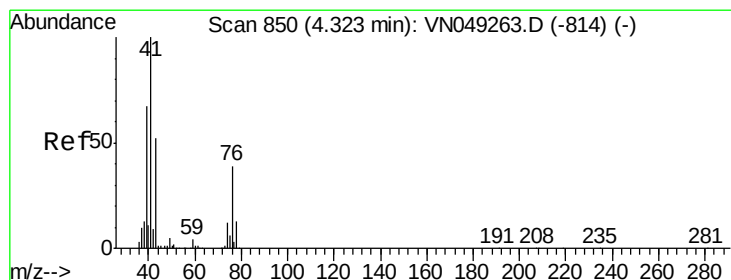
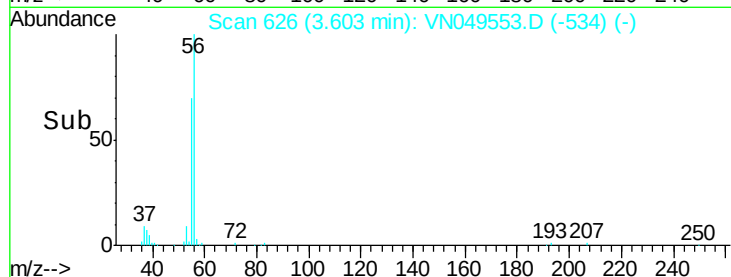
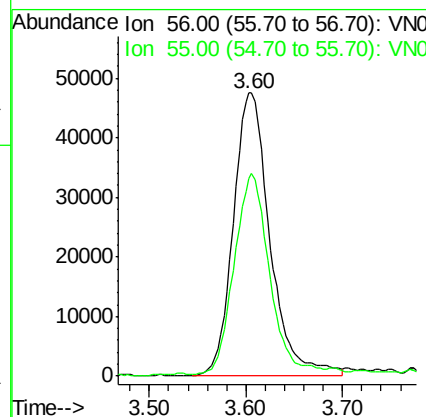
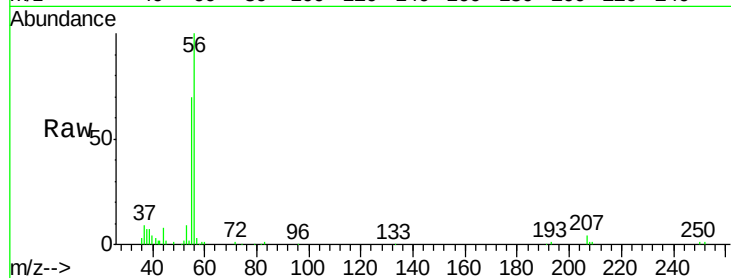
55 68.0 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 15.56 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

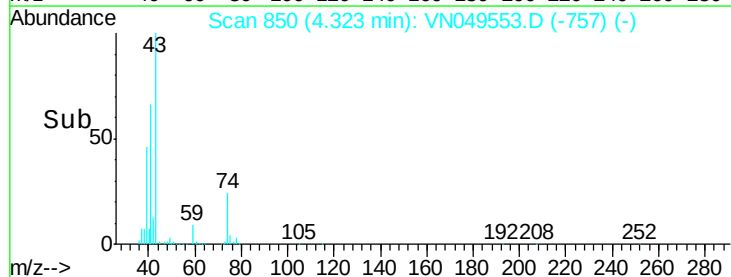
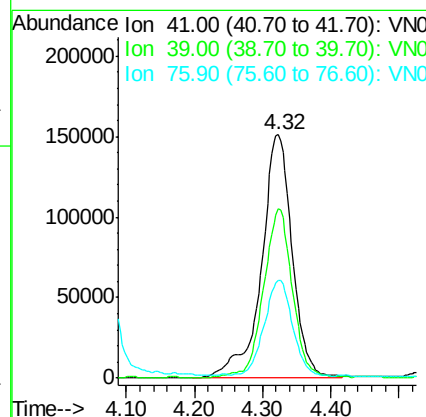
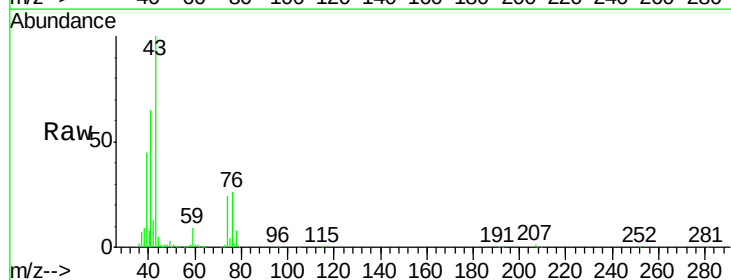
Tgt Ion: 41 Resp: 471299

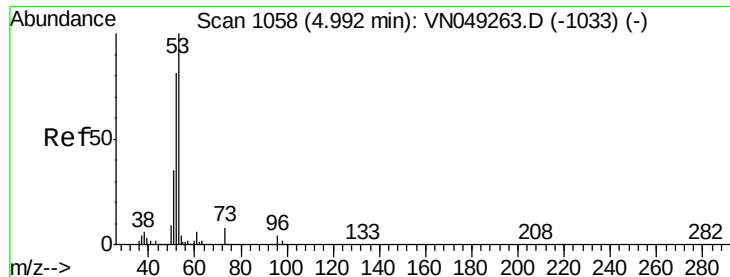
Ion Ratio Lower Upper

41 100

39 65.0 62.5 93.7

76 36.2 27.1 40.7





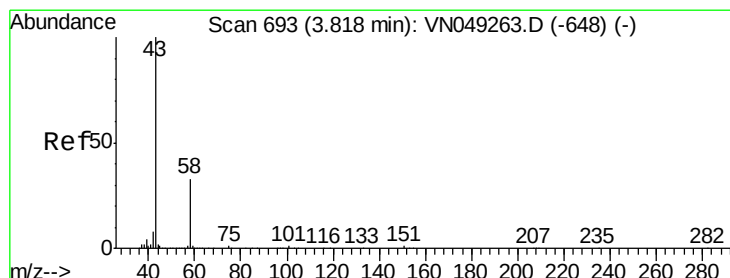
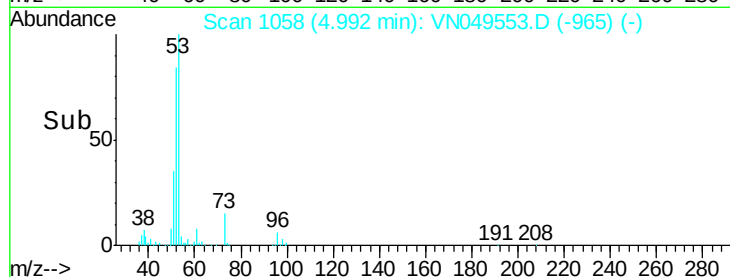
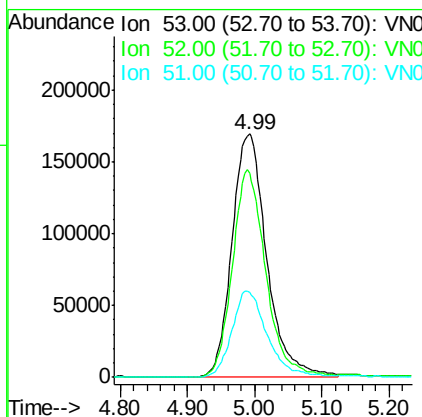
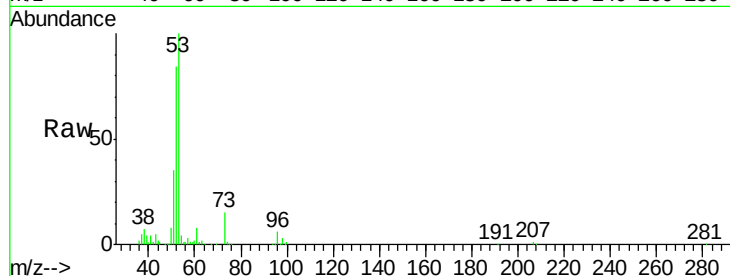
#15
 Acrylonitrile
 Concen: 93.72 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.6	100.0
51	36.1	29.8	44.8

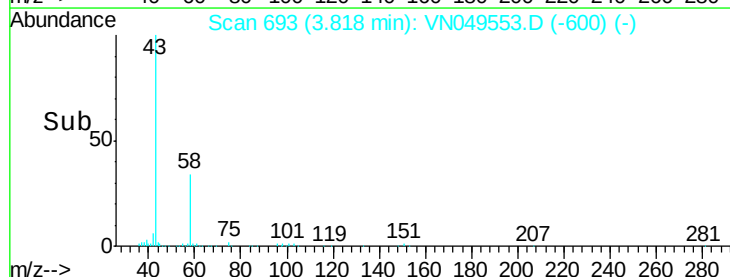
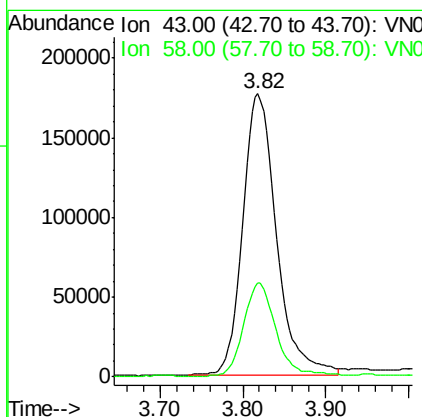
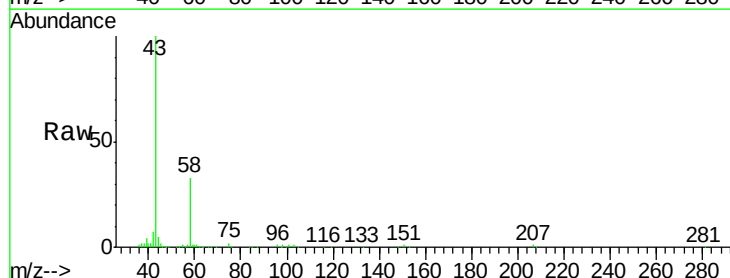
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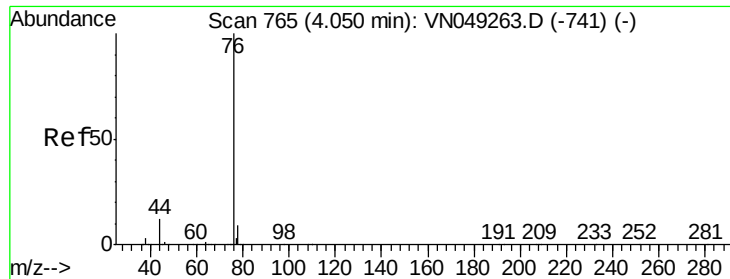
MMDadoda
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#16
 Acetone
 Concen: 92.87 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.3	22.4	33.6





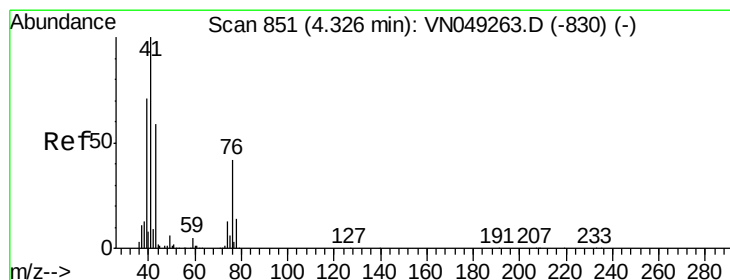
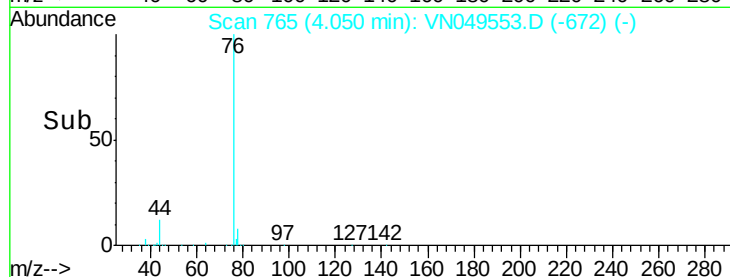
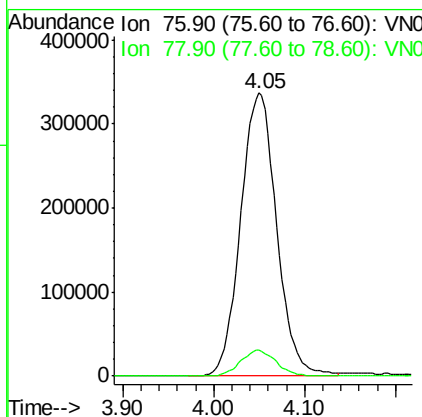
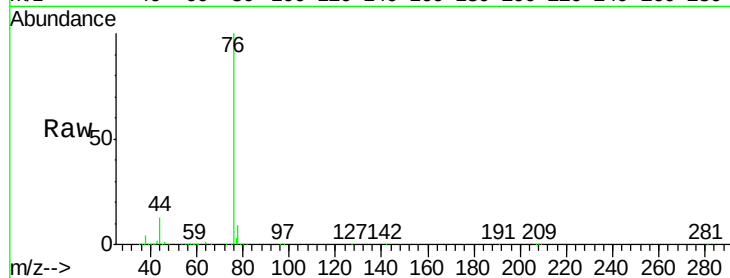
#17
Carbon Disulfide
Concen: 15.40 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

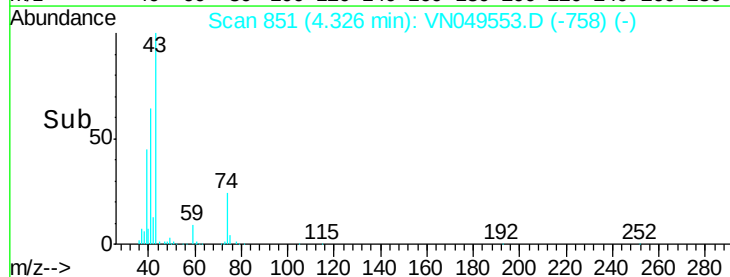
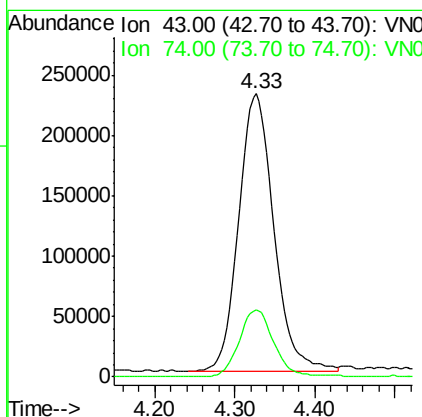
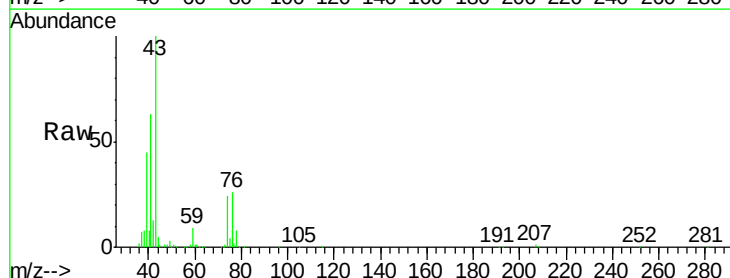
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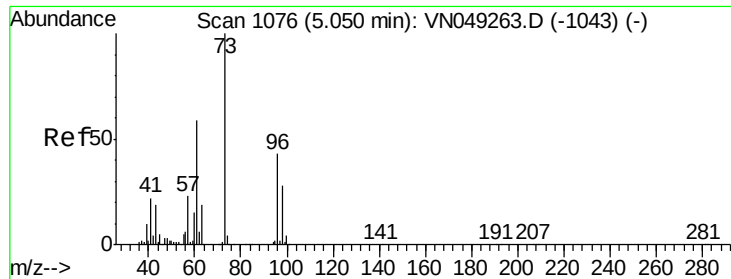
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#18
Methyl Acetate
Concen: 41.79 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	17.4	26.0





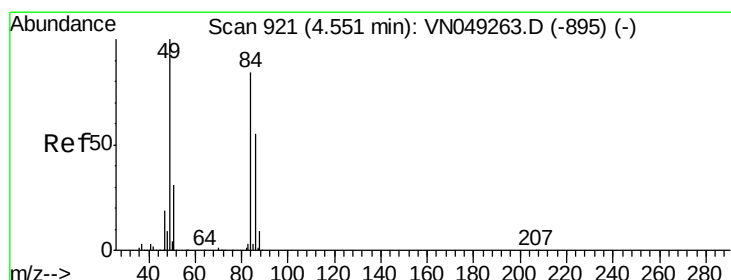
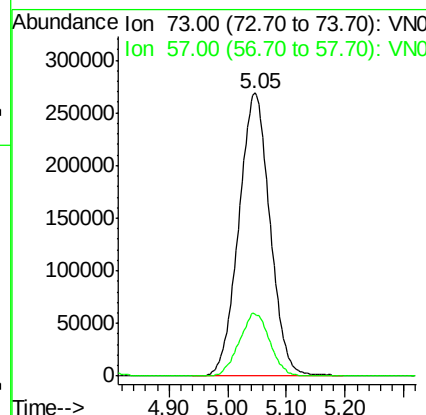
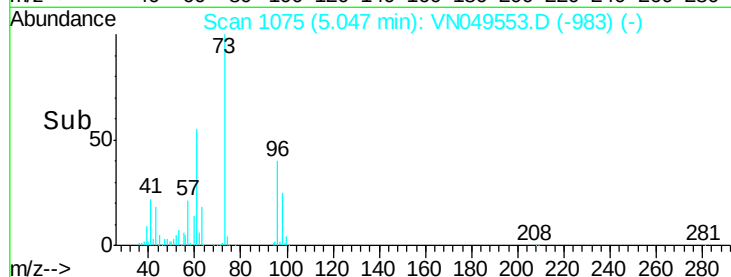
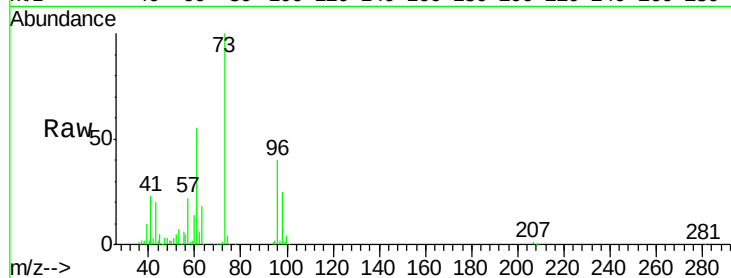
#19
Methyl tert-butyl Ether
Concen: 20.38 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	18.2	27.4

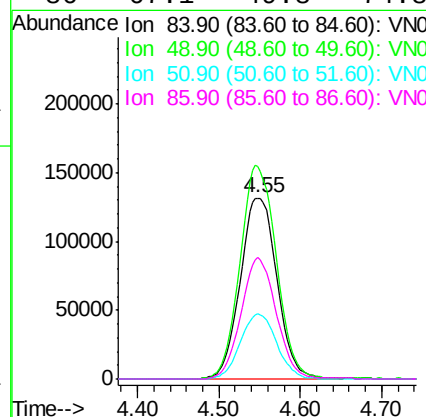
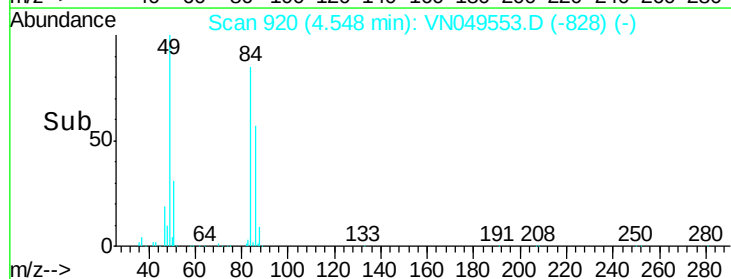
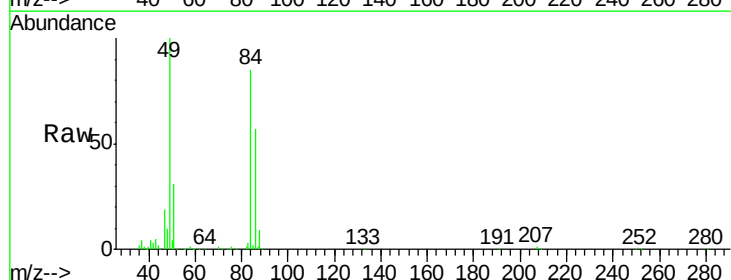
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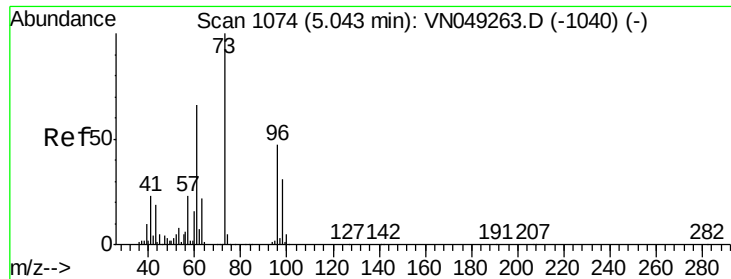
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#20
Methylene Chloride
Concen: 18.22 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.2	106.9	160.3
51	35.9	32.7	49.1
86	67.1	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 18.27 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

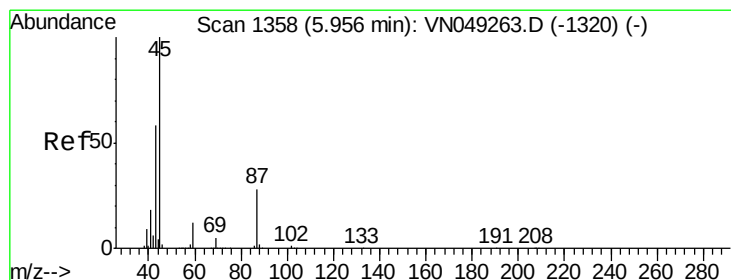
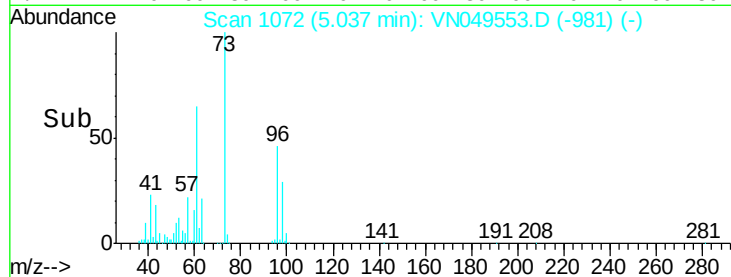
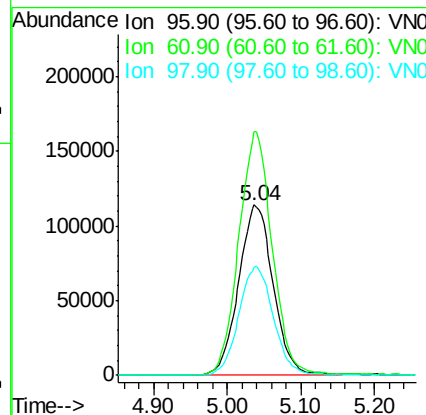
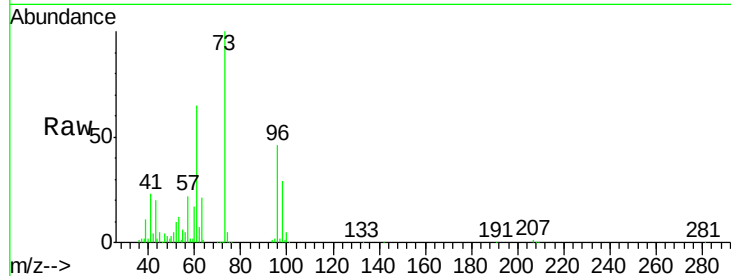
ClientSampleId :

VN0626WBSD01

Tot Ion:	96	Resp:	370825
Ion	Ratio	Lower	Upper
96	100		
61	143.3	121.3	181.9
98	63.6	52.0	78.0

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#22

Diisopropyl ether

Concen: 20.05 ug/l

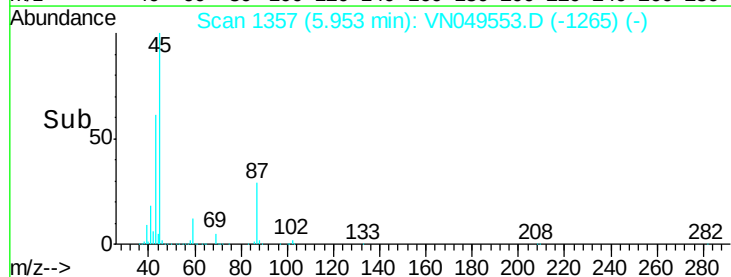
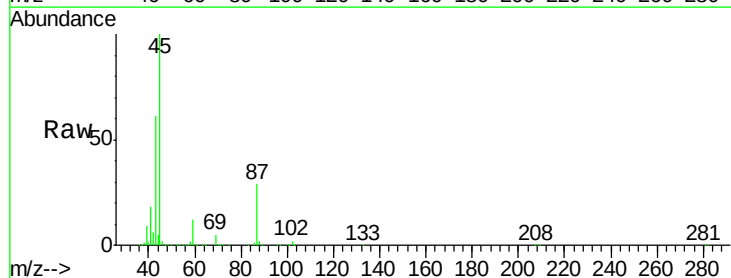
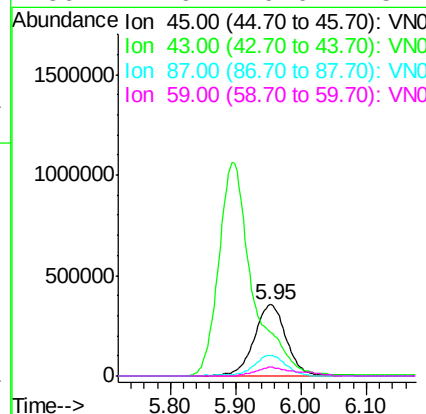
RT: 5.95 min Scan# 1357

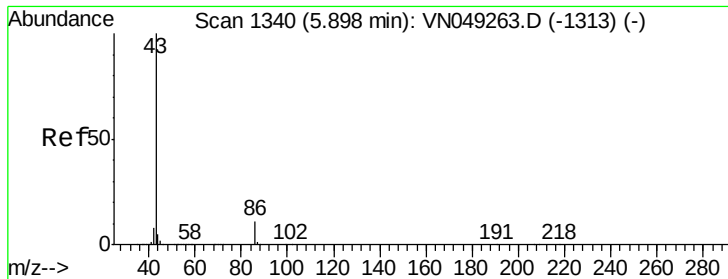
Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Tgt Ion:	45	Resp:	1212386
Ion	Ratio	Lower	Upper
45	100		
43	59.2	48.6	72.8
87	28.5	20.2	30.2
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 96.79 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBSD01

Tot Ion: 43 Resp: 3815331

Ion Ratio Lower Upper

43 100

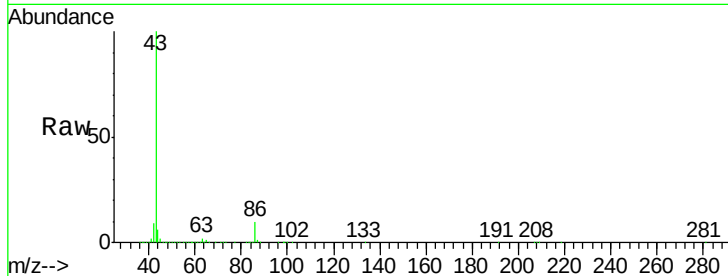
86 10.4 7.2 10.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1200000

1000000

800000

600000

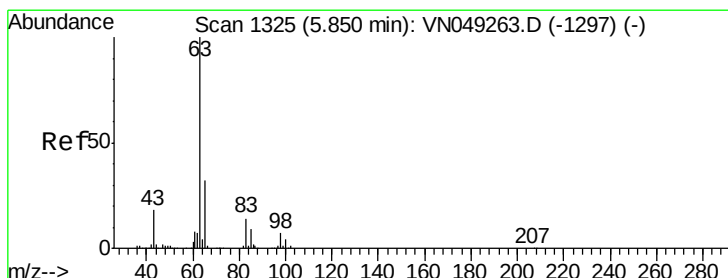
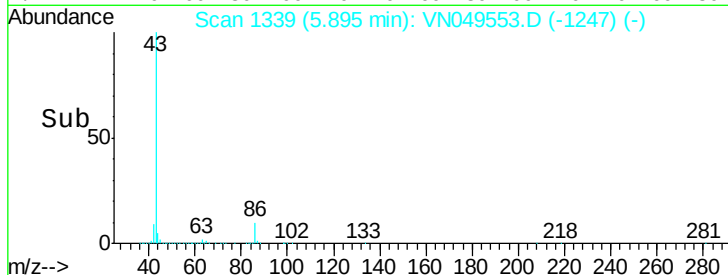
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 18.71 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

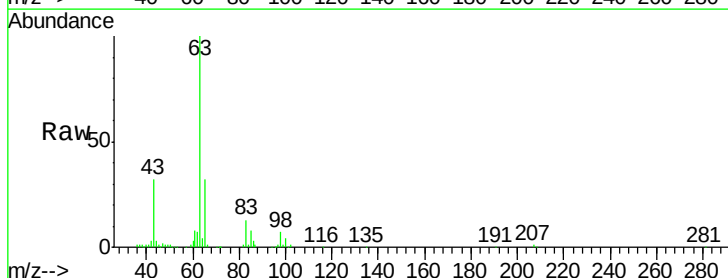
Tgt Ion: 63 Resp: 724109

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

100 4.0 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

300000

250000

200000

150000

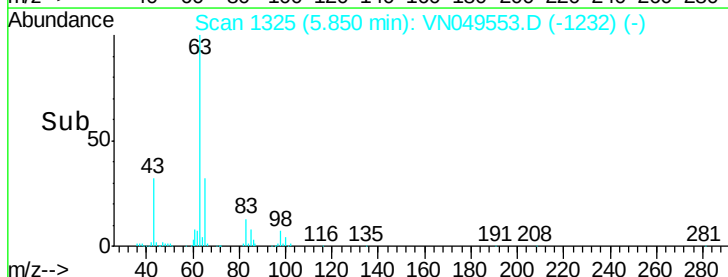
100000

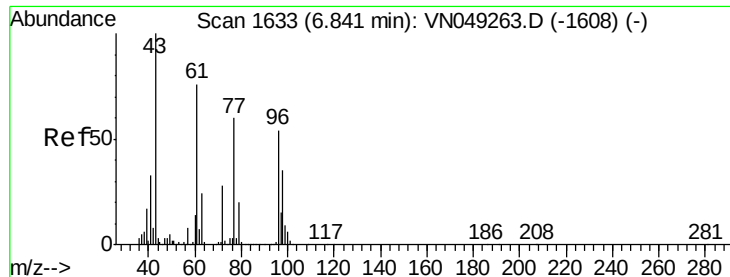
50000

0

5.70 5.80 5.90 6.00

Time-->





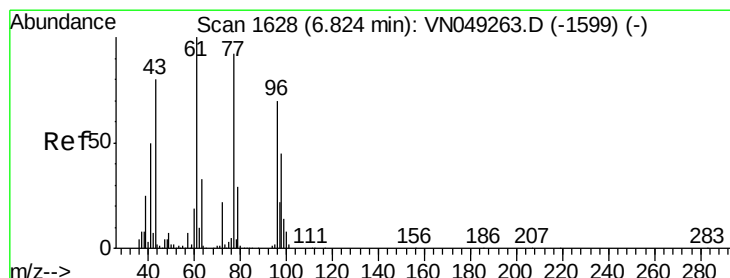
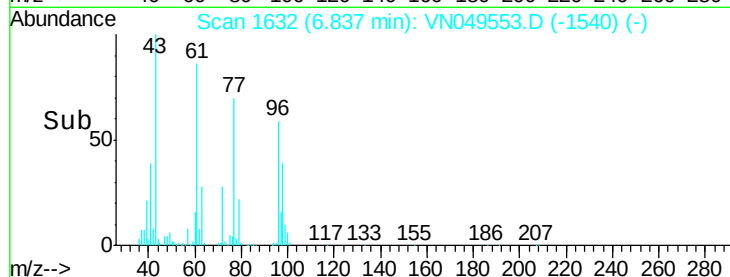
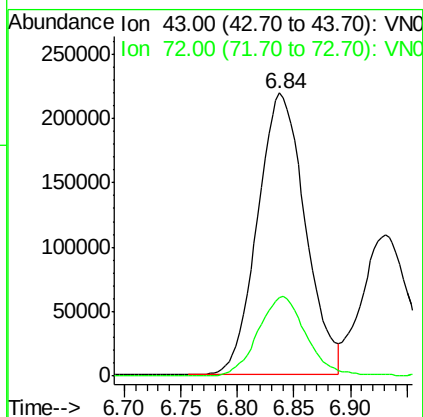
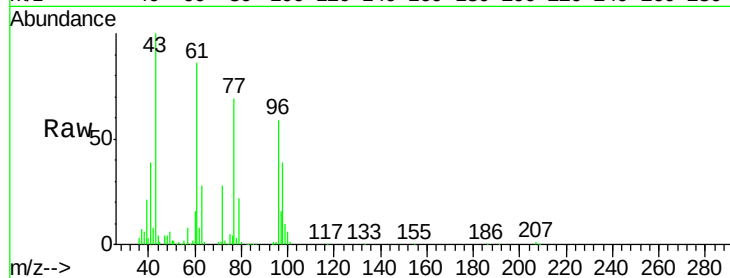
#25
2-Butanone
Concen: 88.82 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion: 43 Resp: 642356
Ion Ratio Lower Upper
43 100
72 27.8 20.2 30.2

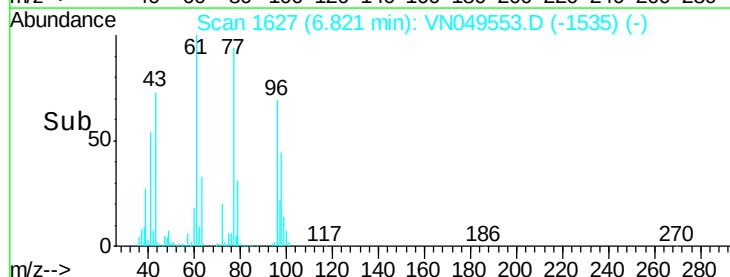
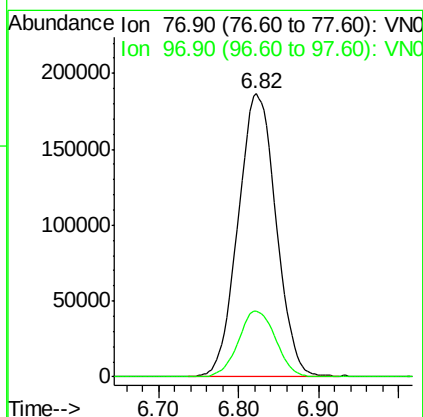
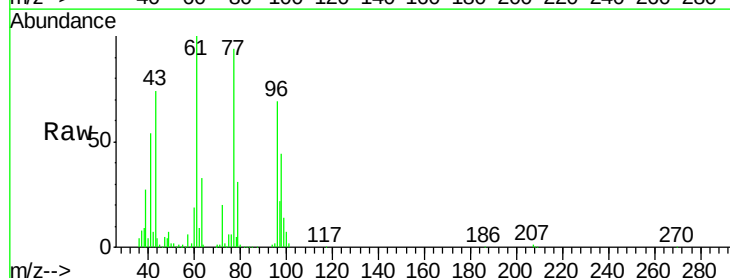
Manual Integrations
APPROVED

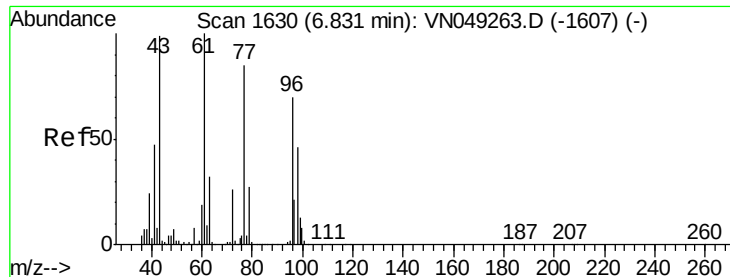
MMDadoda
6/27/2018 5:29:44 PM



#26
2,2-Dichloropropane
Concen: 19.27 ug/l
RT: 6.82 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion: 77 Resp: 602359
Ion Ratio Lower Upper
77 100
97 22.9 11.0 33.0





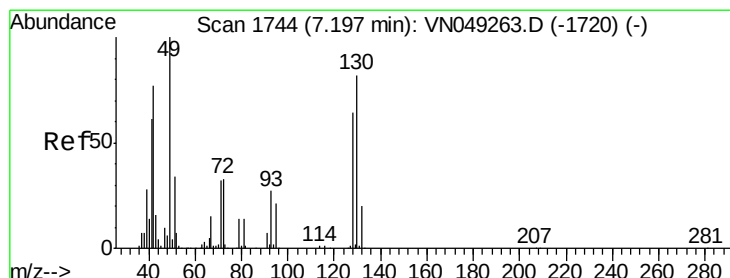
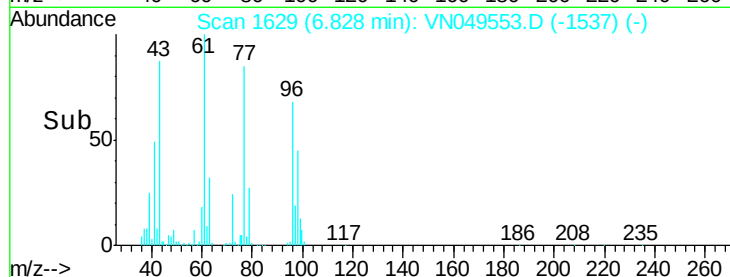
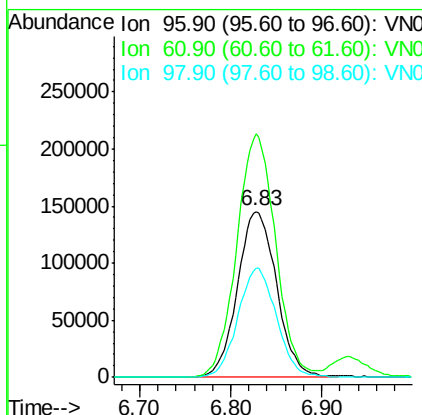
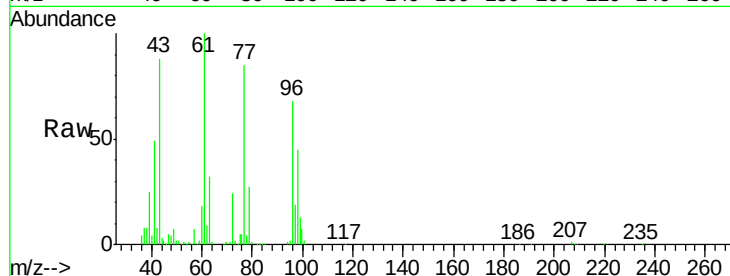
#27
 cis-1,2-Dichloroethene
 Concen: 19.18 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	316.4
98	65.3	0.0	128.4

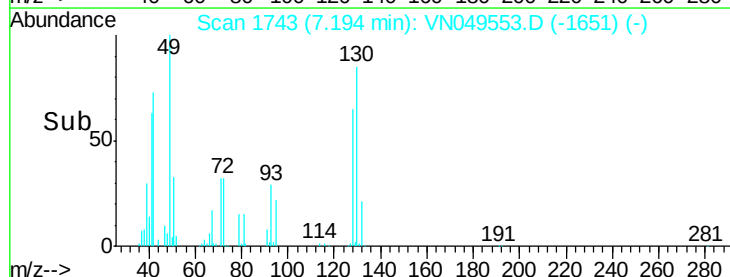
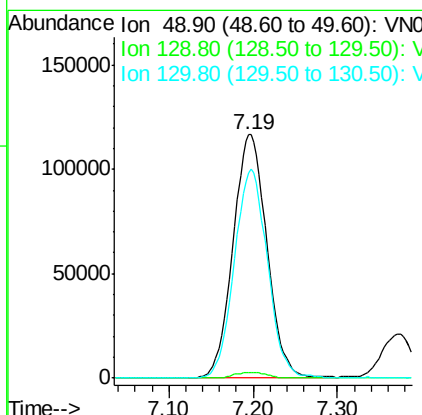
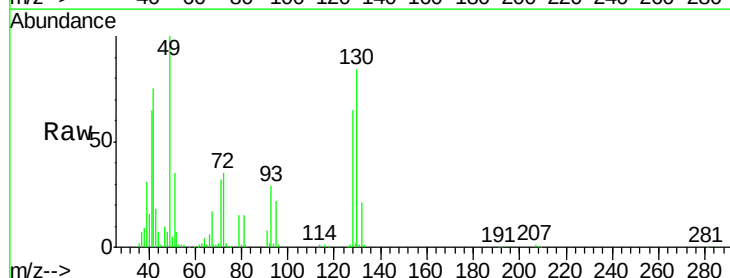
Manual Integrations
 APPROVED

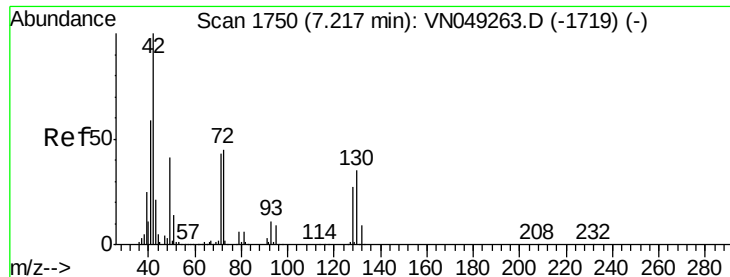
MMDadoda
 6/27/2018 5:29:44 PM



#28
 Bromochloromethane
 Concen: 18.98 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	84.3	54.9	82.3#





#29

Tetrahydrofuran

Concen: 96.66 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

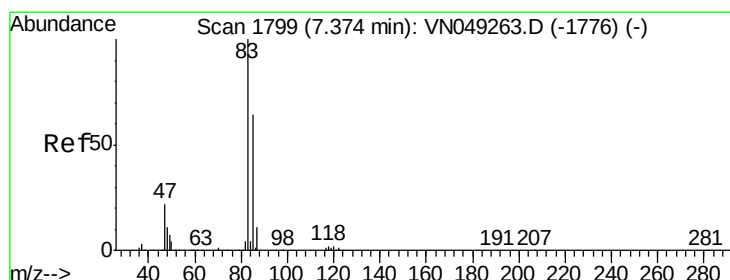
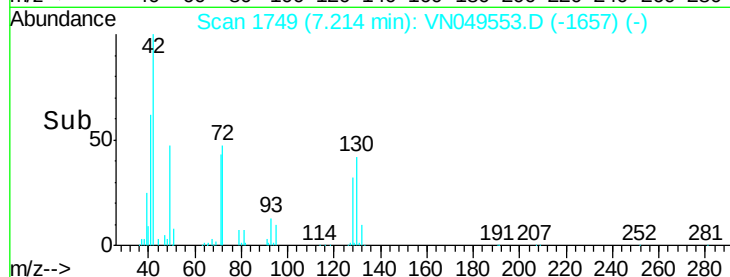
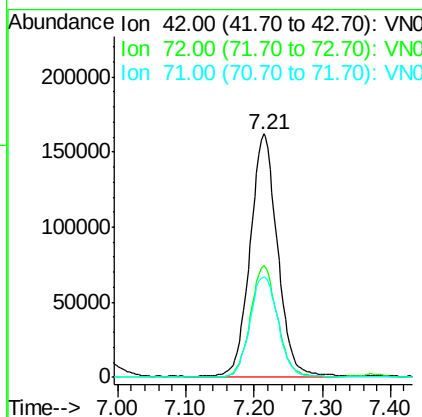
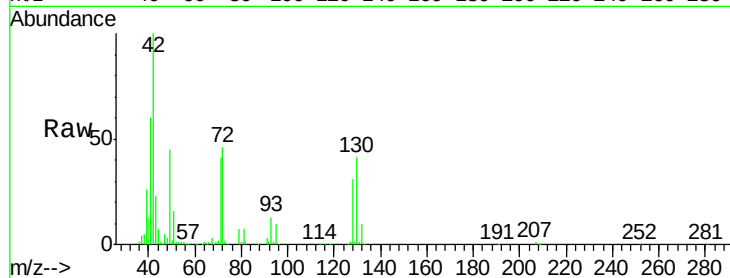
ClientSampleId :

VN0626WBSD01

Tot Ion:	42	Resp:	450013
Ion Ratio		Lower	Upper
42	100		
72	45.2	32.2	48.4
71	42.4	30.5	45.7

Manual Integrations
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MMDadoda
6/27/2018 5:29:44 PM



#30

Chloroform

Concen: 19.26 ug/l

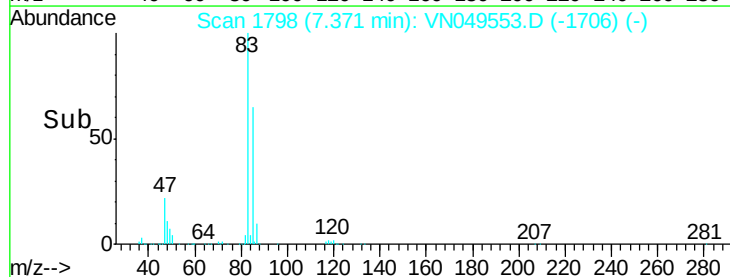
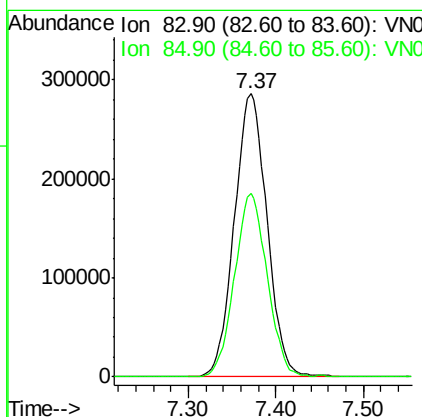
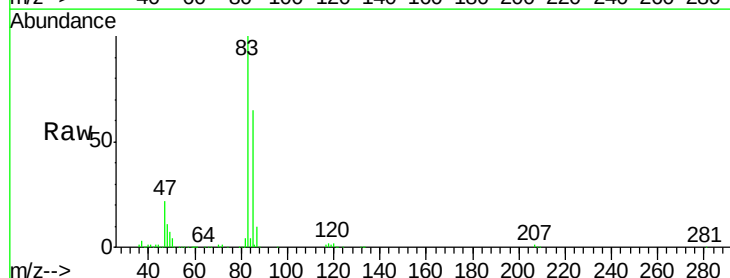
RT: 7.37 min Scan# 1798

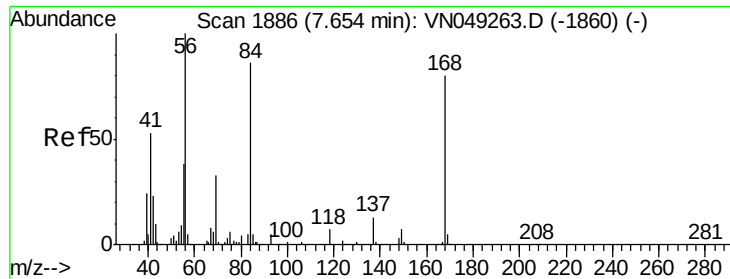
Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Tgt Ion:	83	Resp:	741651
Ion Ratio		Lower	Upper
83	100		
85	64.6	51.7	77.5





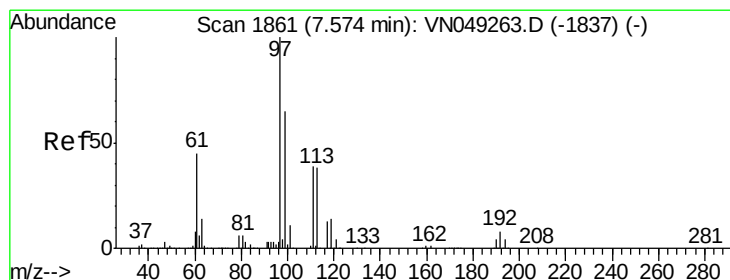
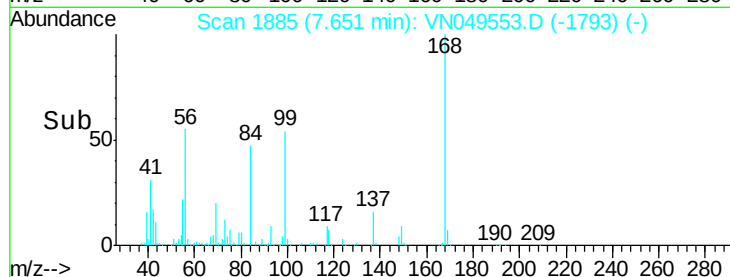
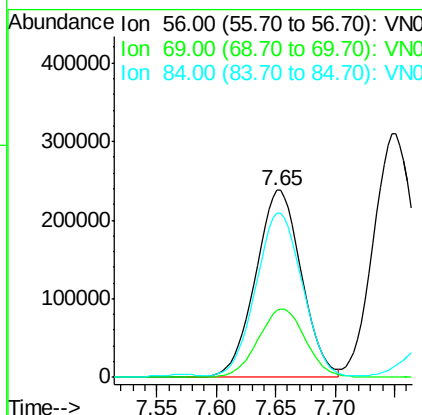
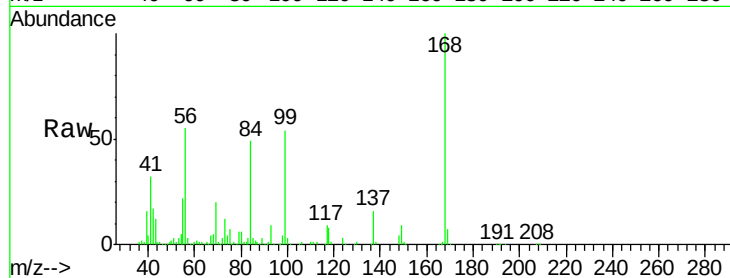
#31
Cyclohexane
Concen: 19.29 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.8	25.0	37.4
84	86.6	64.6	96.8

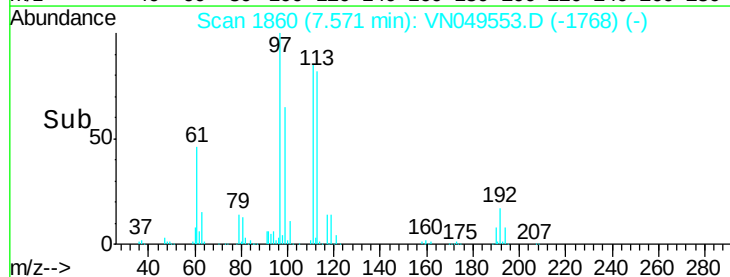
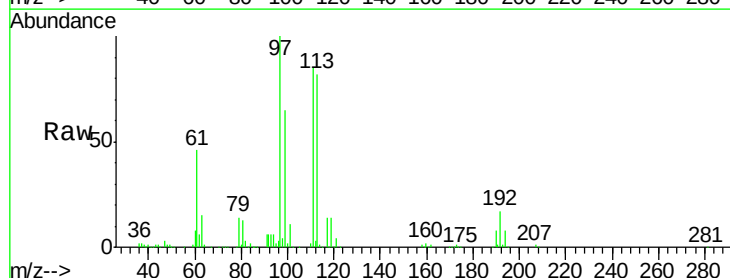
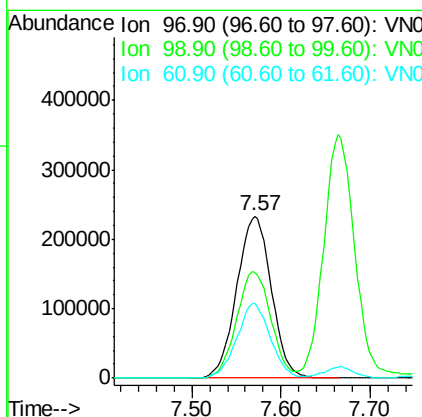
Manual Integrations
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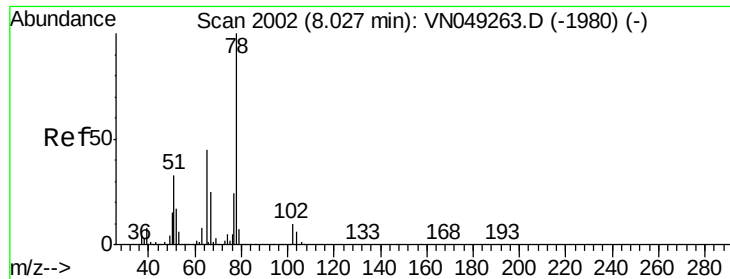
MMDadoda
6/27/2018 5:29:44 PM



#32
1,1,1-Trichloroethane
Concen: 19.05 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	50.5	75.7
61	44.7	37.9	56.9





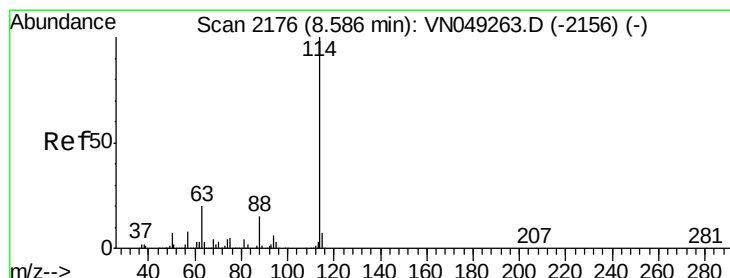
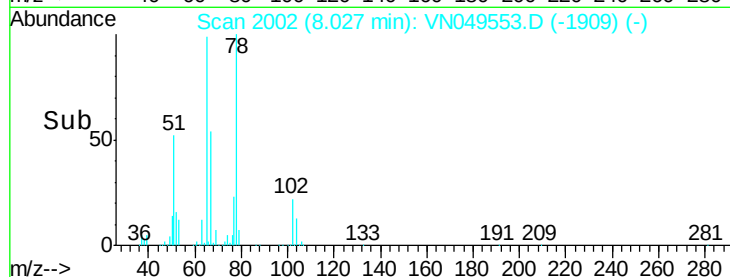
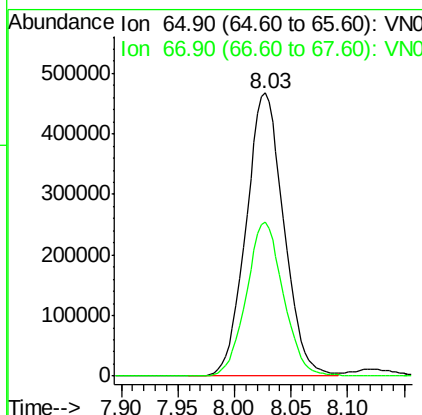
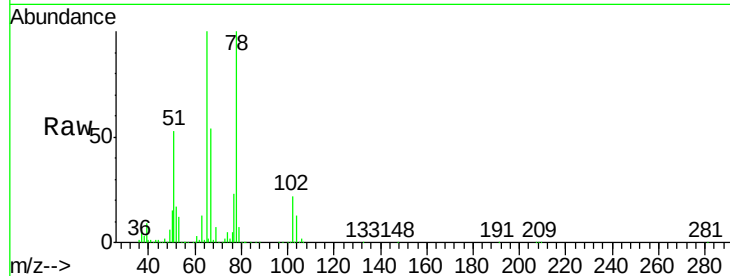
#33
 1,2-Dichloroethane-d4
 Concen: 48.88 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Tot Ion: 65 Resp: 1084266
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 103.8

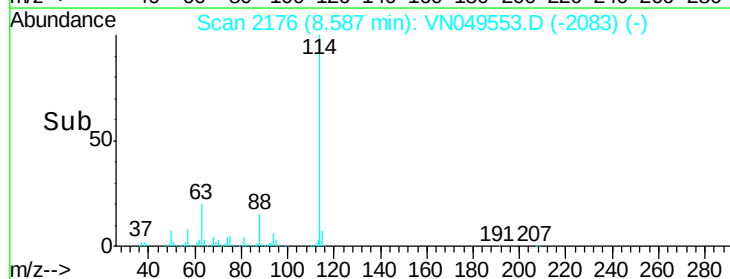
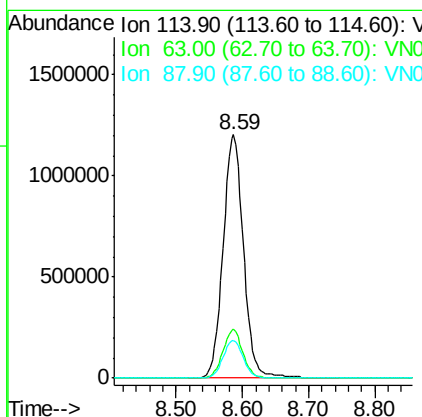
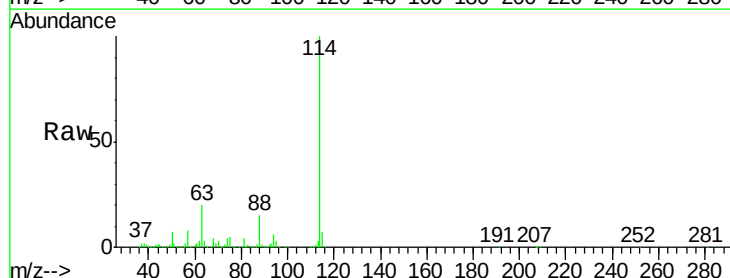
Manual Integrations
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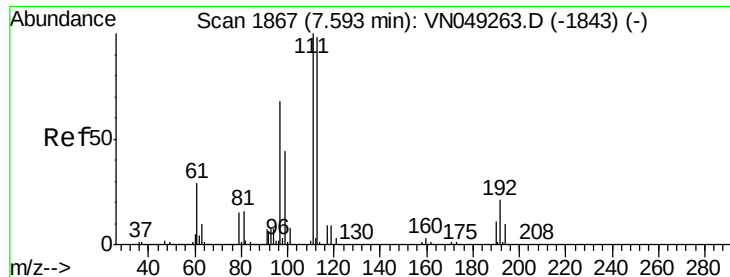
MMDadoda
 6/27/2018 5:29:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Tgt Ion: 114 Resp: 2569693
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 44.4
 88 15.4 0.0 31.4





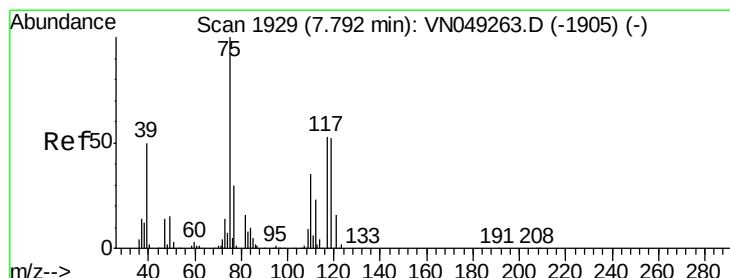
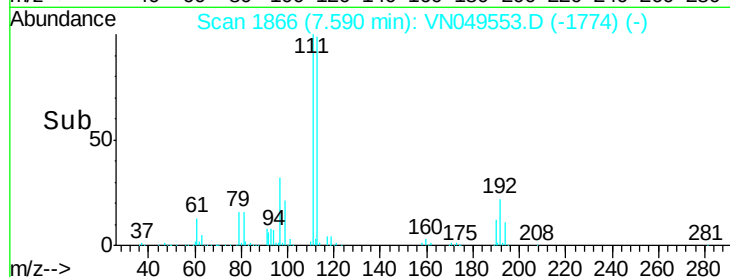
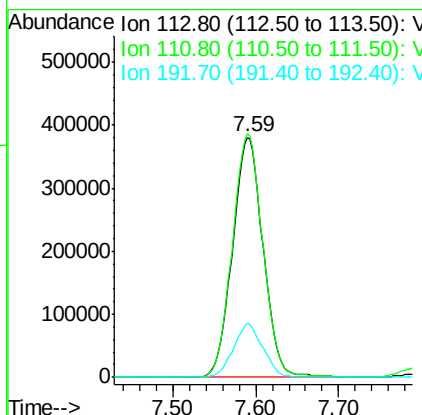
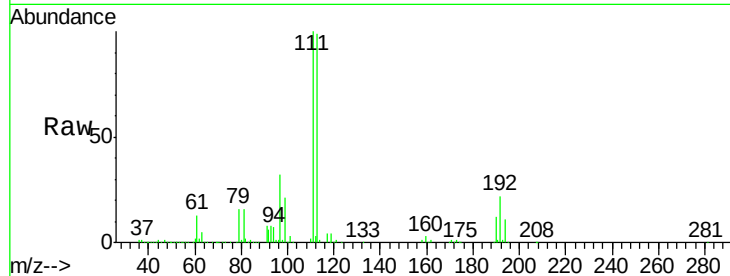
#35
Dibromofluoromethane
Concen: 46.81 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	973198		
111	102.0		82.4	123.6
192	21.7		15.0	22.6

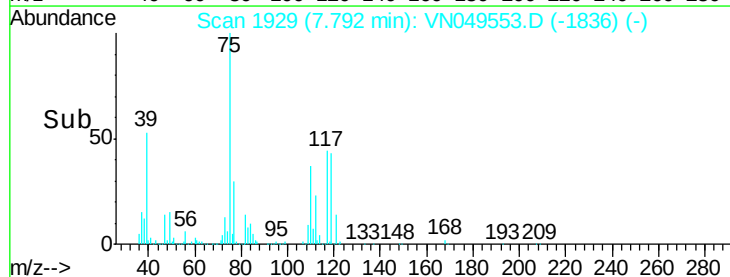
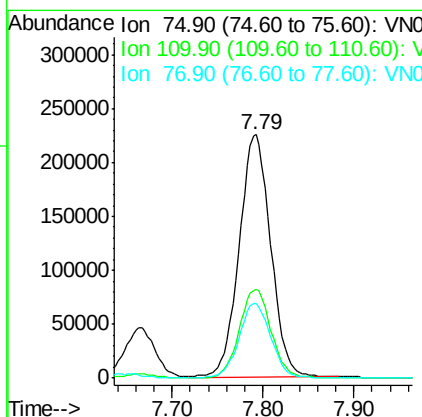
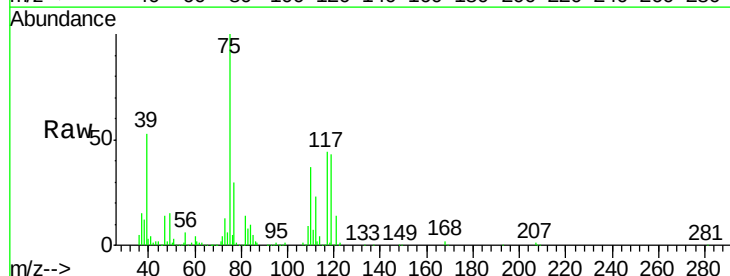
Manual Integrations
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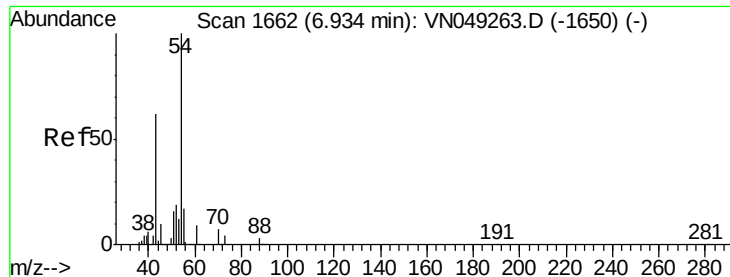
MMDadoda
6/27/2018 5:29:44 PM



#36
1,1-Dichloropropene
Concen: 18.36 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	540736		
110	37.0		17.0	50.9
77	31.4		24.4	36.6





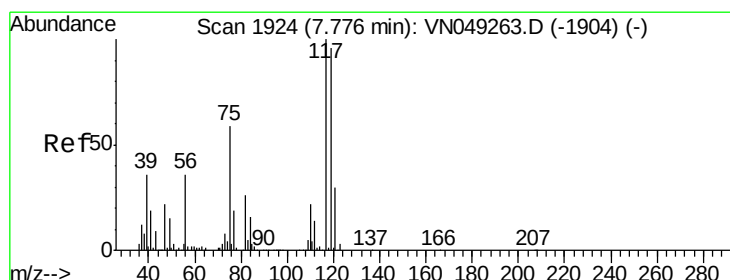
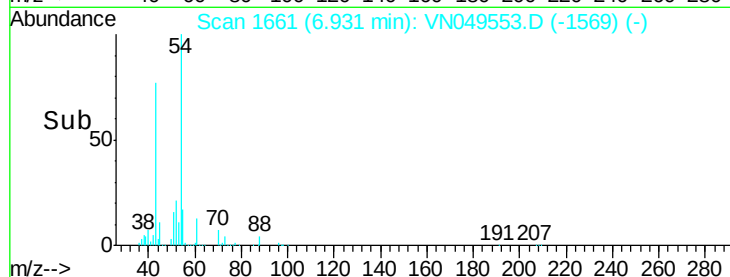
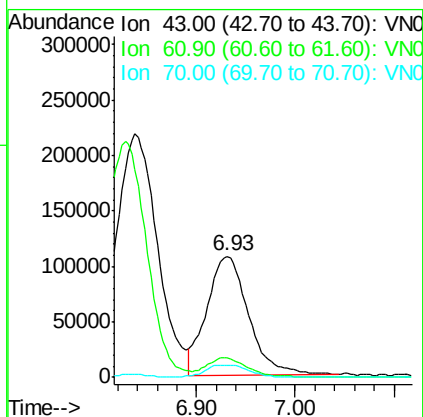
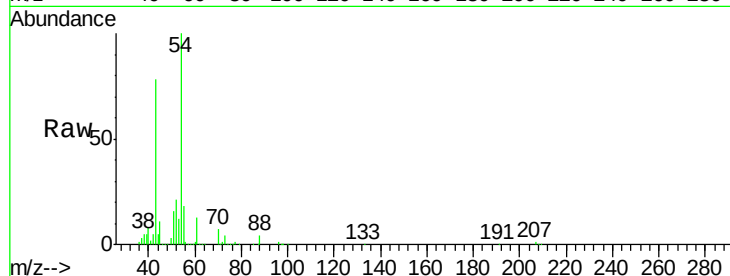
#37
Ethyl Acetate
Concen: 19.68 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.0	16.4
70	4.5	7.2	10.8

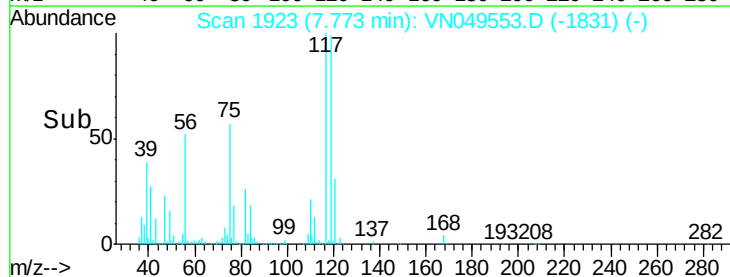
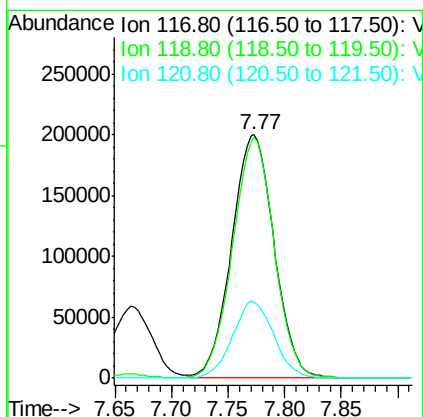
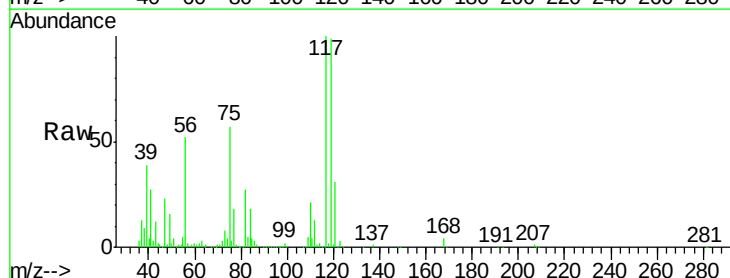
Manual Integrations
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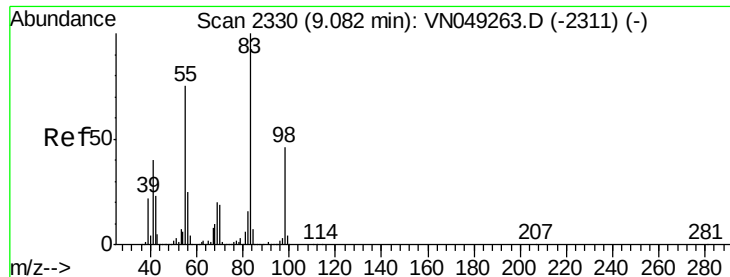
MMDadoda
6/27/2018 5:29:44 PM



#38
Carbon Tetrachloride
Concen: 16.97 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	75.6	113.4
121	31.3	24.7	37.1





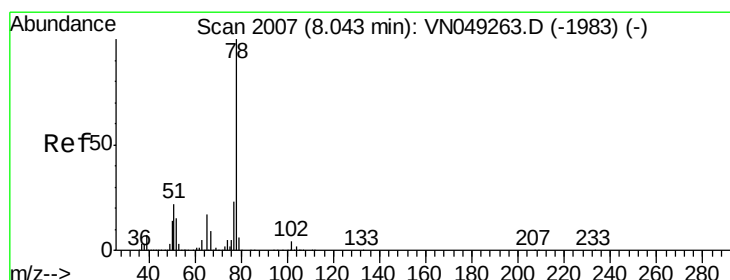
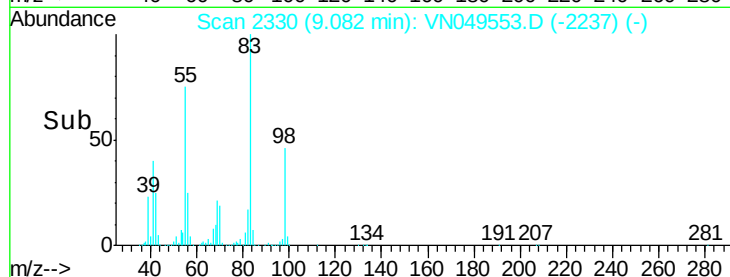
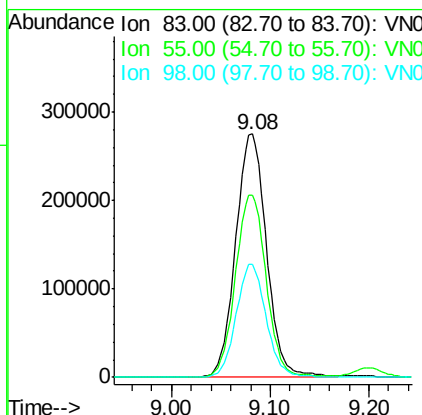
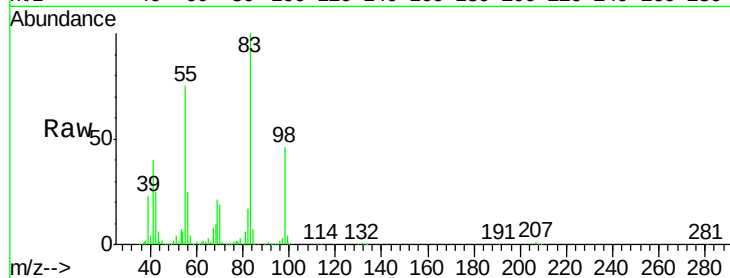
#39
Methylvlcyclohexane
Concen: 18.93 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	65.1	97.7
98	46.4	36.5	54.7

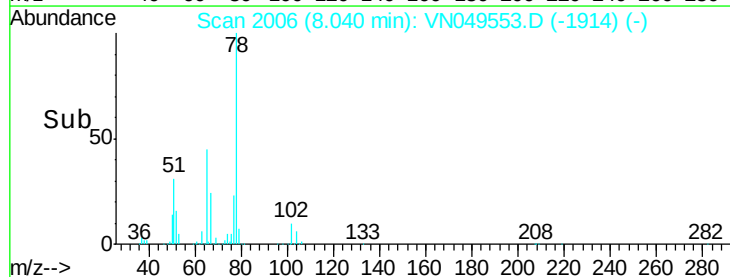
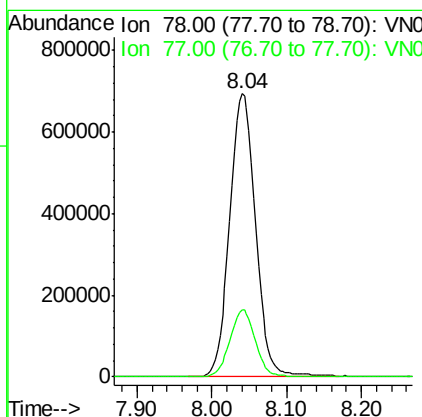
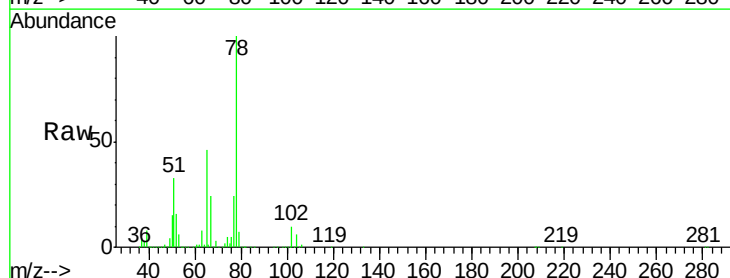
Manual Integrations
APPROVED

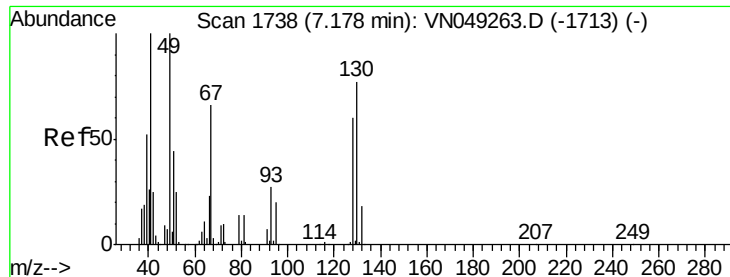
MMDadoda
6/27/2018 5:29:44 PM



#40
Benzene
Concen: 18.56 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





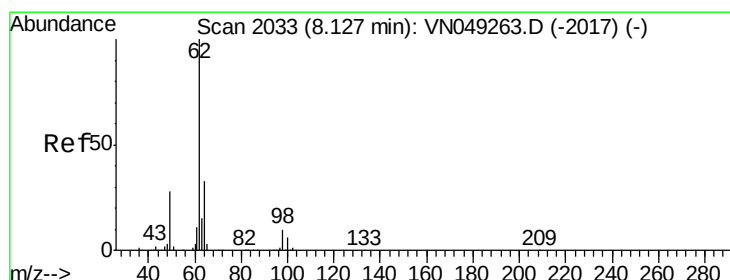
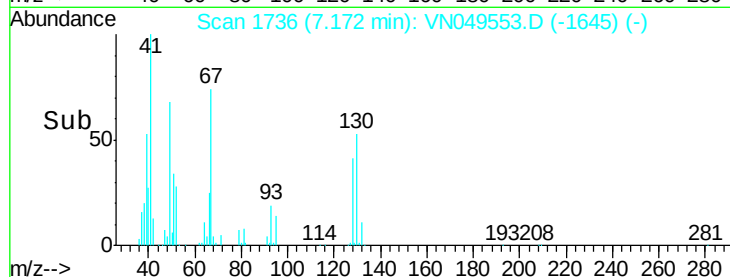
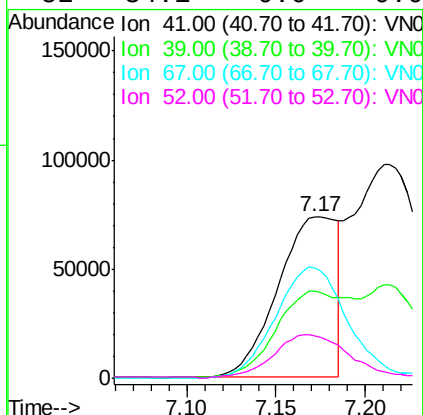
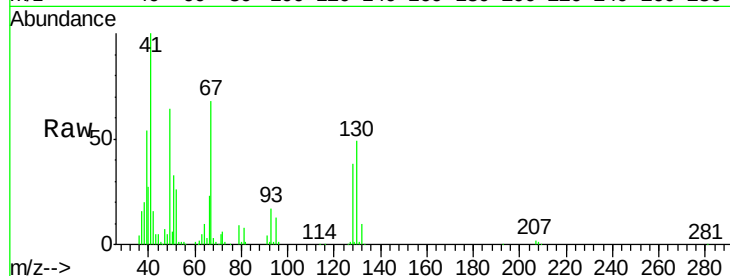
#41
Methacrylonitrile
Concen: 19.61 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.4	0.0	0.0#
67	85.3	0.0	0.0#
52	34.1	0.0	0.0#

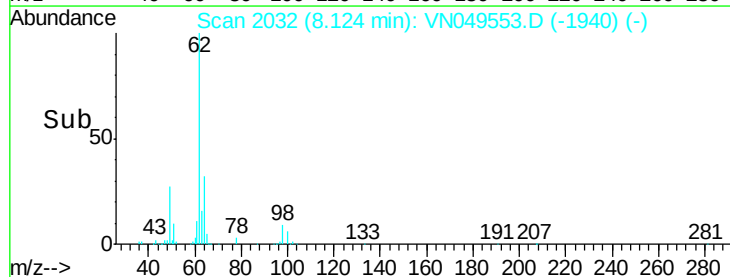
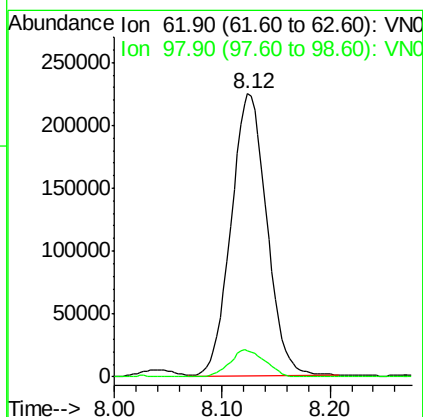
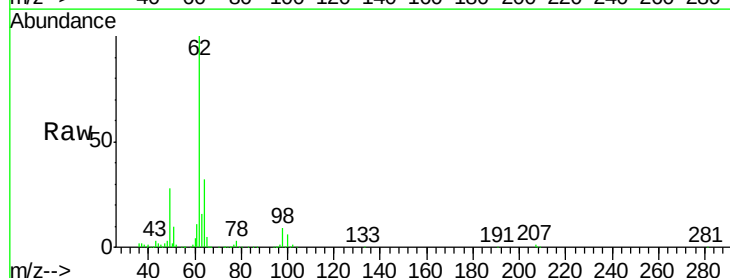
Manual Integrations
APPROVED

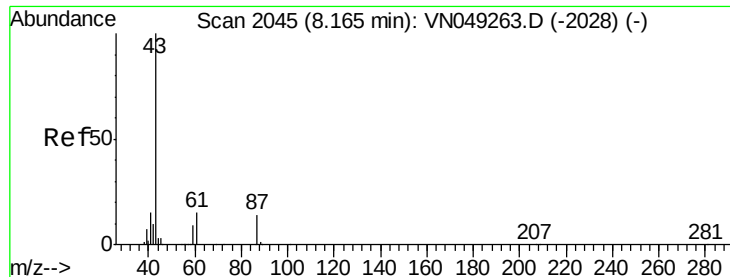
MMDadoda
6/27/2018 5:29:44 PM



#42
1,2-Dichloroethane
Concen: 18.57 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	16.2





#43

Isopropyl Acetate

Concen: 35.38 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBSD01

Tot Ion: 43 Resp: 1082194

Ion Ratio Lower Upper

43 100

61 11.1 14.2 21.4#

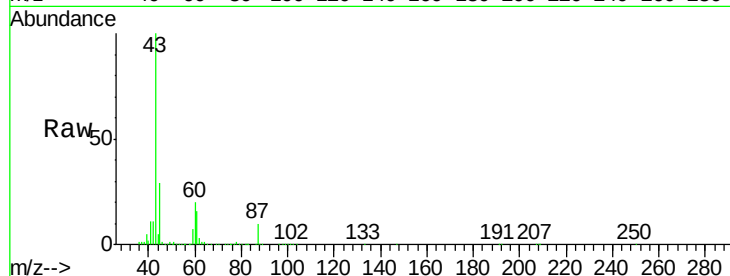
87 7.4 9.4 14.0#

Manual Integrations

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MMDadoda

6/27/2018 5:29:44 PM

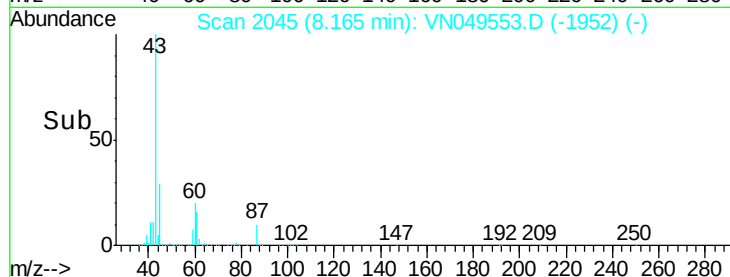


Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2028) (-)

Ion 61.00 (60.70 to 61.70): VN049263.D (-2028) (-)

Ion 87.00 (86.70 to 87.70): VN049263.D (-2028) (-)

Time-->



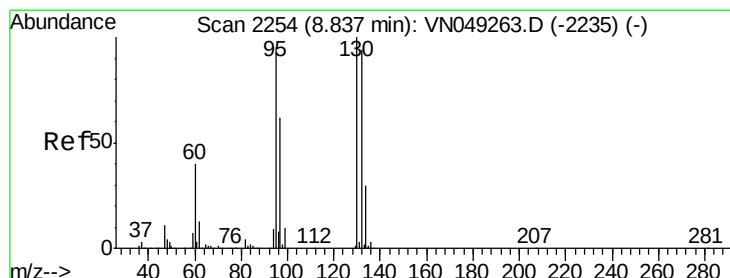
Abundance

Ion 43.00 (42.70 to 43.70): VN049553.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049553.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049553.D (-1952) (-)

Time-->



#44

Trichloroethene

Concen: 20.99 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049553.D

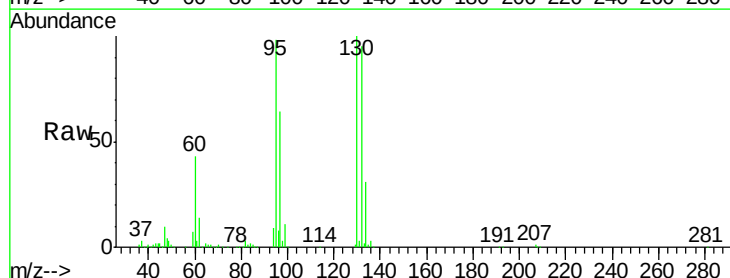
Acq: 26 Jun 2018 15:31

Tgt Ion:130 Resp: 500577

Ion Ratio Lower Upper

130 100

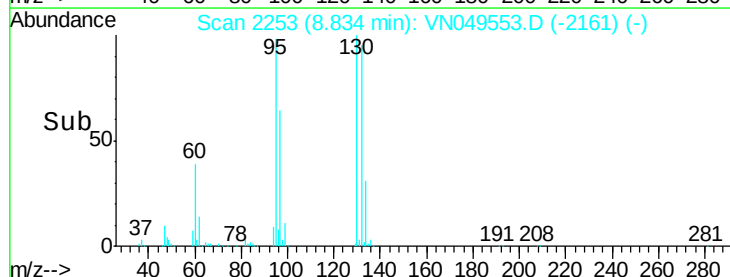
95 98.2 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049263.D (-2235) (-)

Ion 94.90 (94.60 to 95.60): VN049263.D (-2235) (-)

Time-->

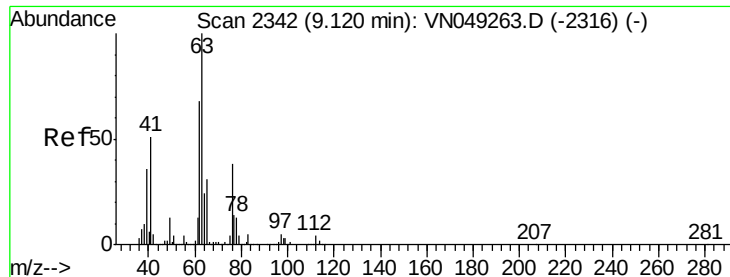


Abundance

Ion 129.80 (129.50 to 130.50): VN049553.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049553.D (-2161) (-)

Time-->



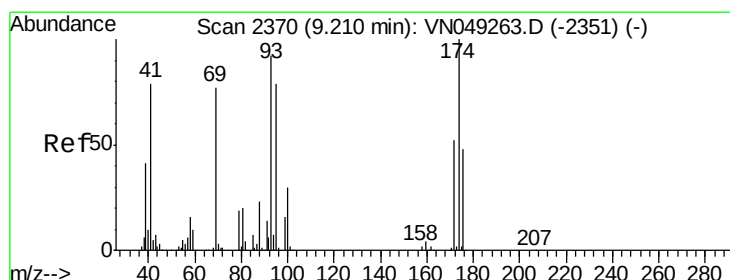
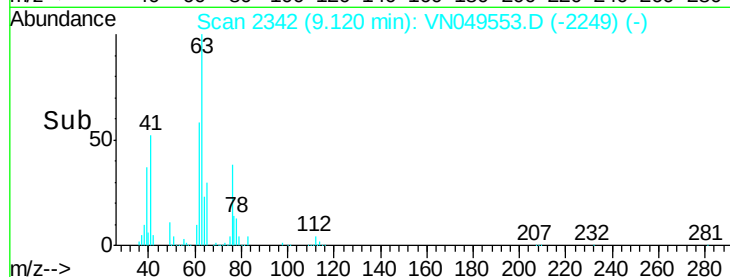
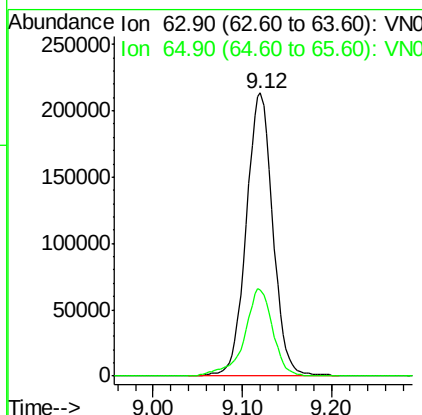
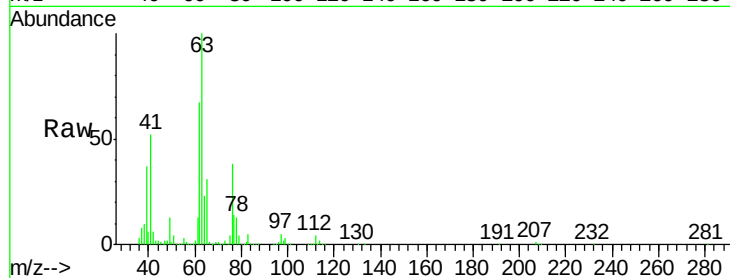
#45
 1,2-Dichloropropane
 Concen: 18.79 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.8	37.2

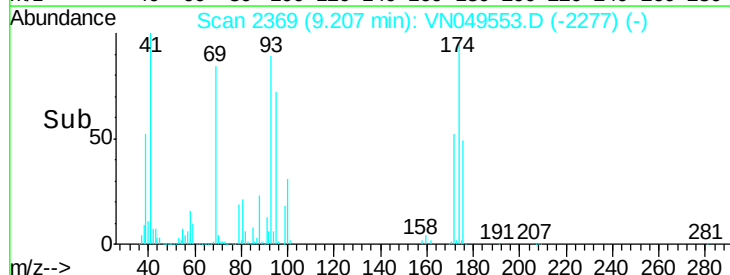
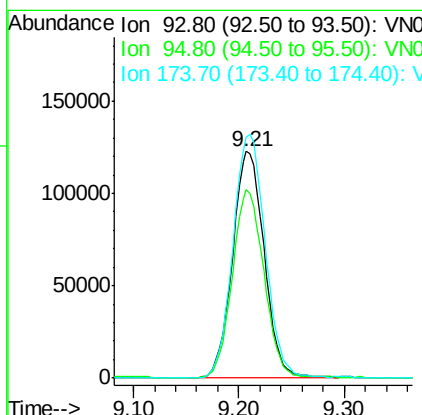
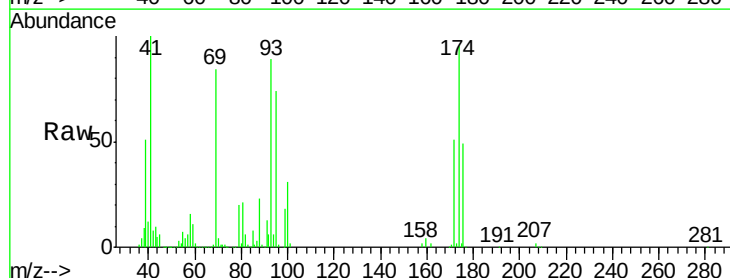
Manual Integrations
 APPROVED

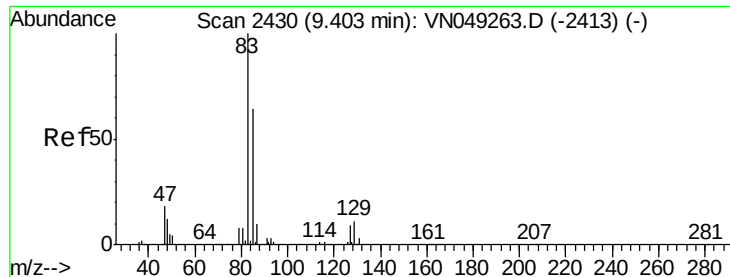
MMDadoda
 6/27/2018 5:29:44 PM



#46
 Dibromomethane
 Concen: 18.63 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	67.2	100.8
174	109.6	75.6	113.4





#47

Bromodichloromethane

Concen: 18.19 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

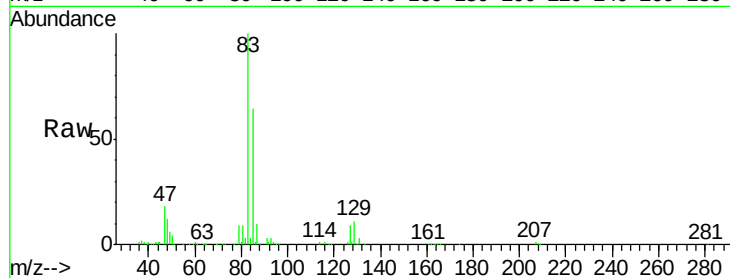
ClientSampleId :

VN0626WBSD01

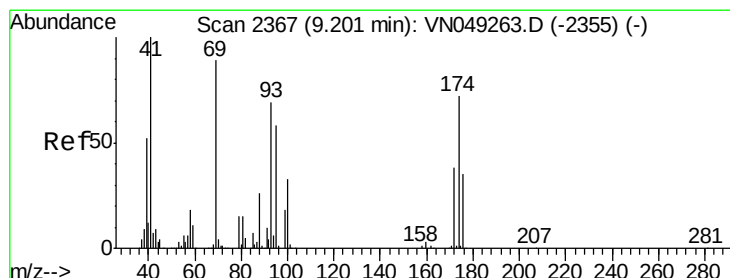
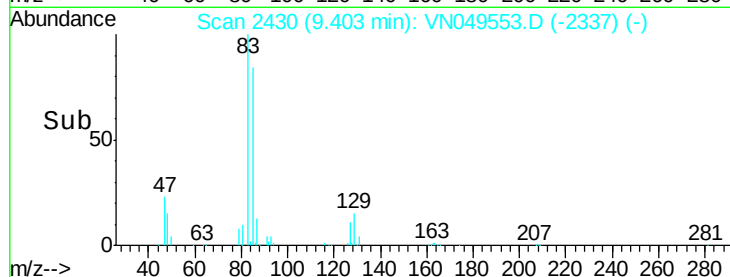
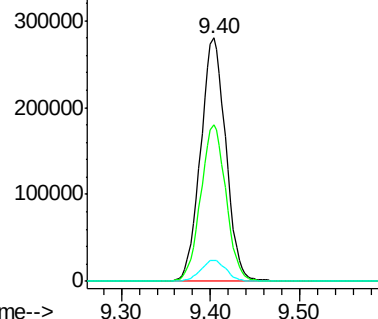
Tot Ion:	83	Resp:	547956
Ion	Ratio	Lower	Upper
83	100		
85	64.4	49.4	74.0
127	8.7	6.3	9.5

Manual Integrations
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6/27/2018 5:29:44 PM



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.14 ug/l

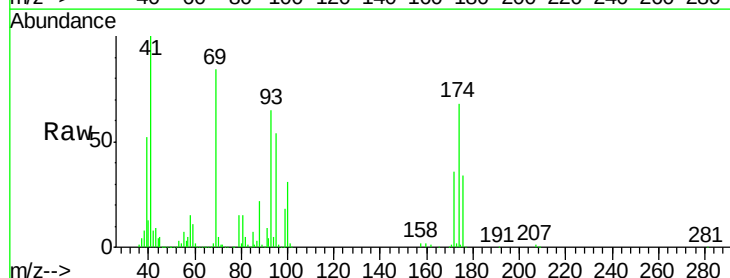
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

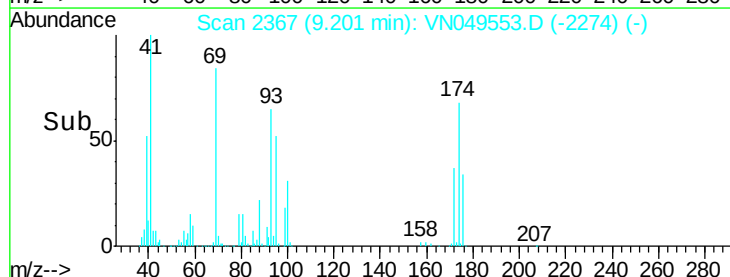
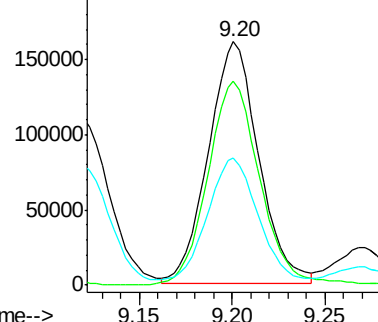
Lab File: VN049553.D

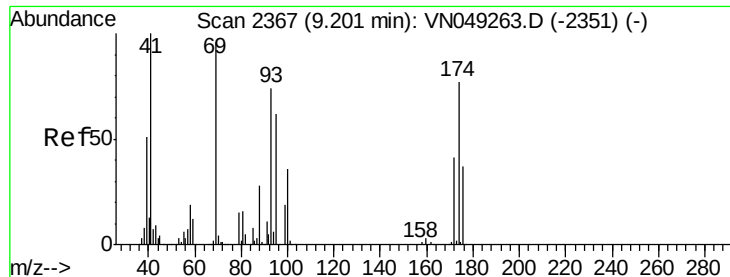
Acq: 26 Jun 2018 15:31

Tgt Ion:	41	Resp:	304547
Ion	Ratio	Lower	Upper
41	100		
69	86.1	62.0	93.0
39	54.4	50.6	75.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





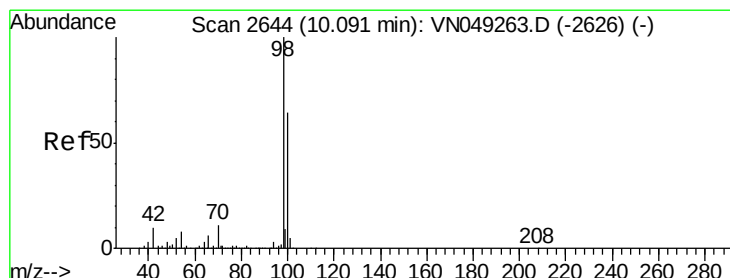
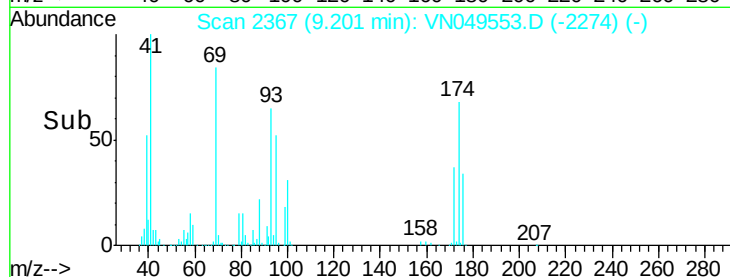
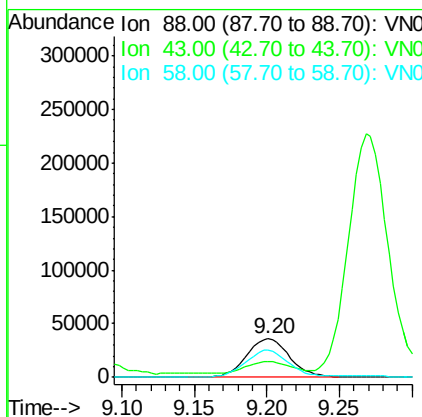
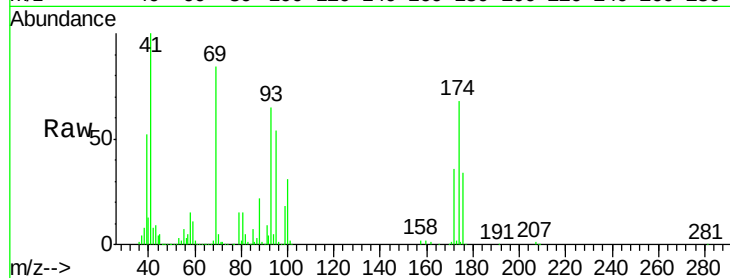
#49
1,4-Dioxane
Concen: 378.11 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	30.9	46.3
58	68.5	58.9	88.3

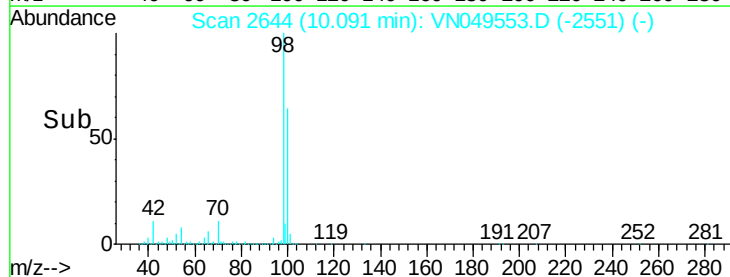
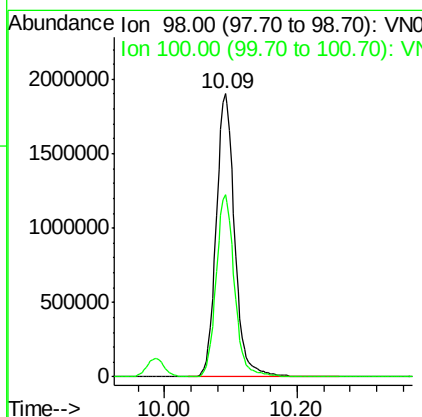
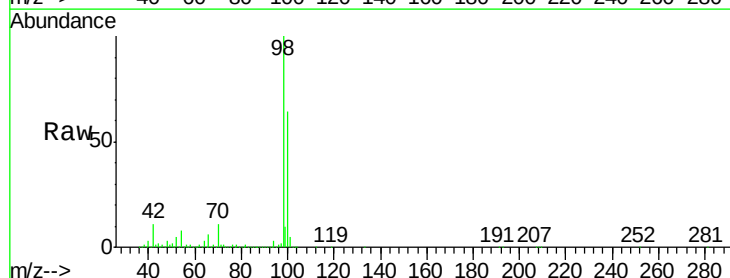
Manual Integrations
APPROVED

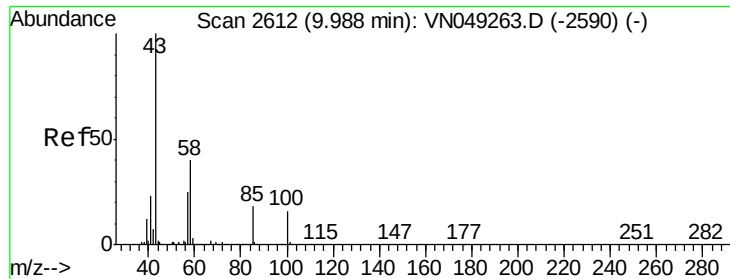
MMDadoda
6/27/2018 5:29:44 PM



#50
Toluene-d8
Concen: 46.35 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	49.8	74.8





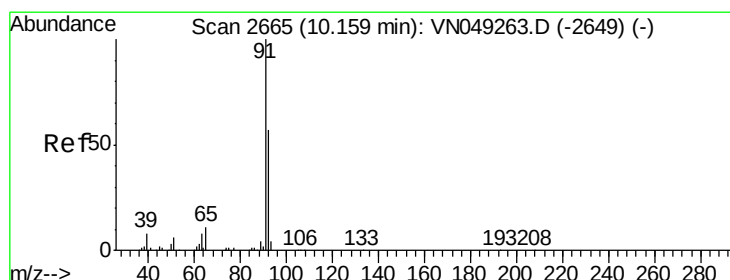
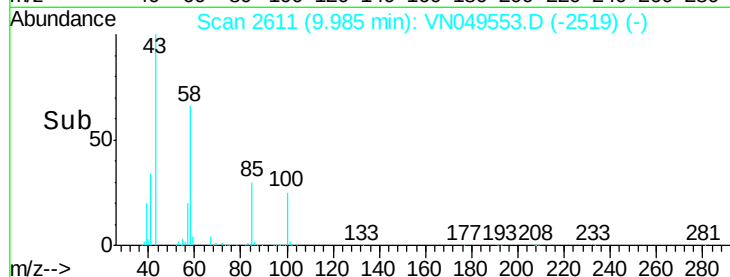
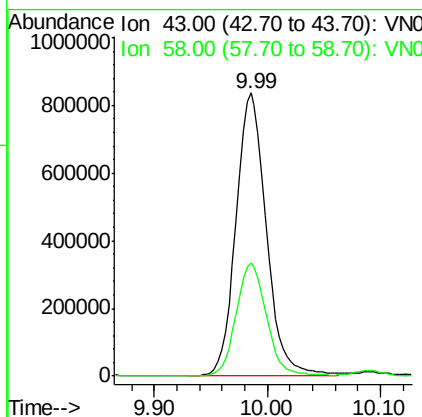
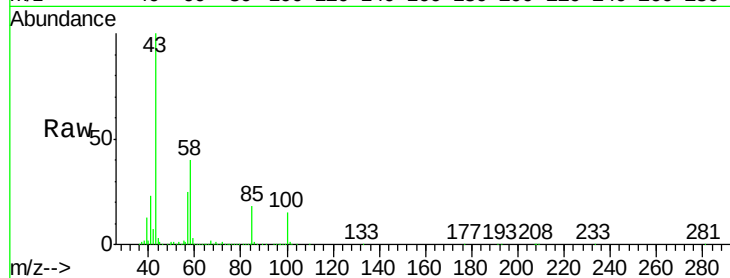
#51
4-Methyl-2-Pentanone
Concen: 96.87 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion: 43 Resp: 1553178
Ion Ratio Lower Upper
43 100
58 40.1 29.0 43.6

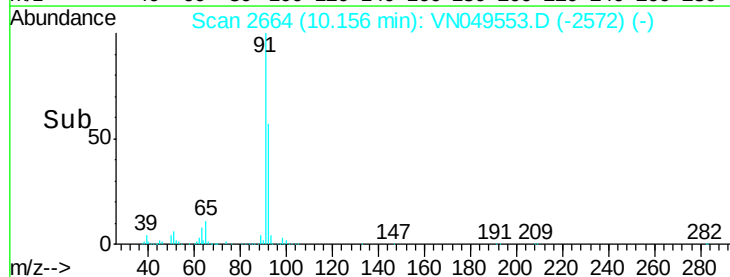
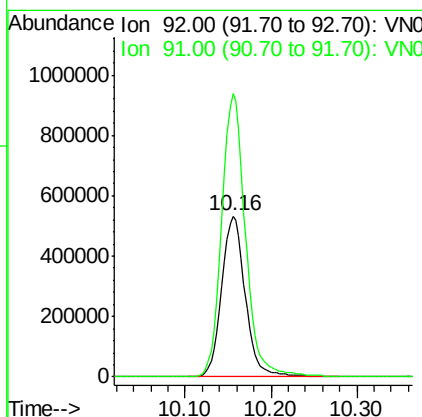
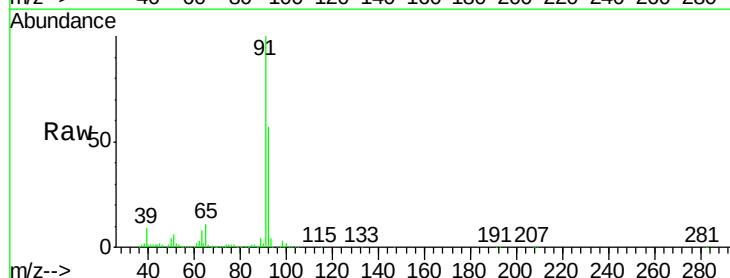
Manual Integrations
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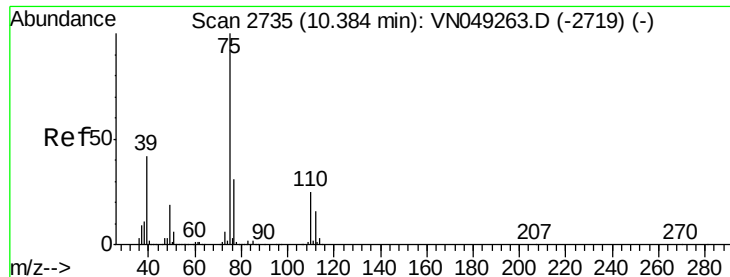
MMDadoda
6/27/2018 5:29:44 PM



#52
Toluene
Concen: 19.26 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion: 92 Resp: 1020639
Ion Ratio Lower Upper
92 100
91 177.2 143.4 215.2





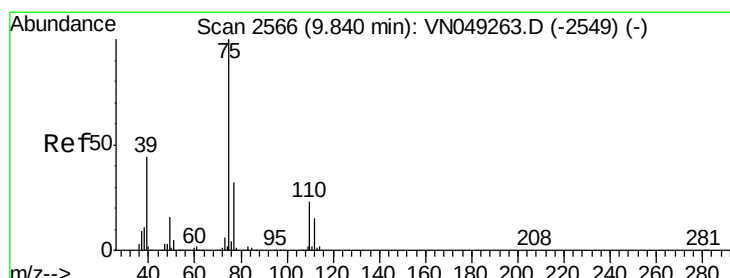
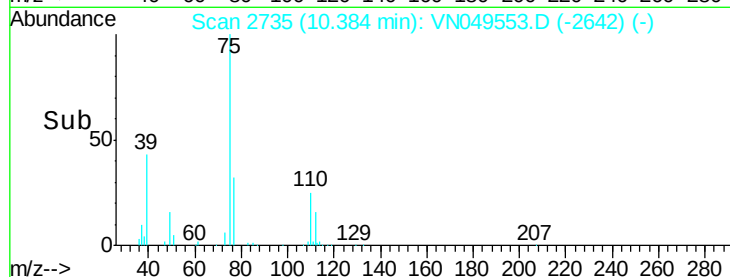
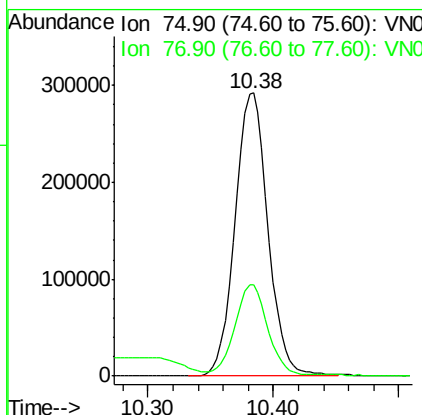
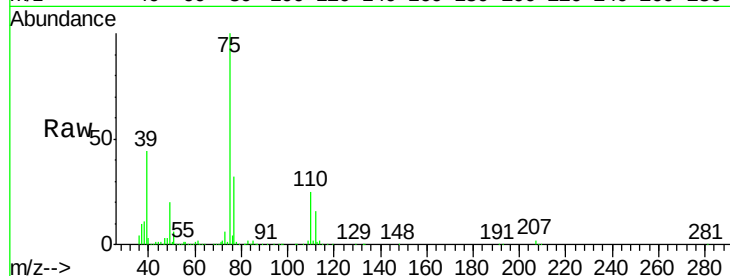
#53
t-1,3-Dichloropropene
Concen: 18.42 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.2	37.8

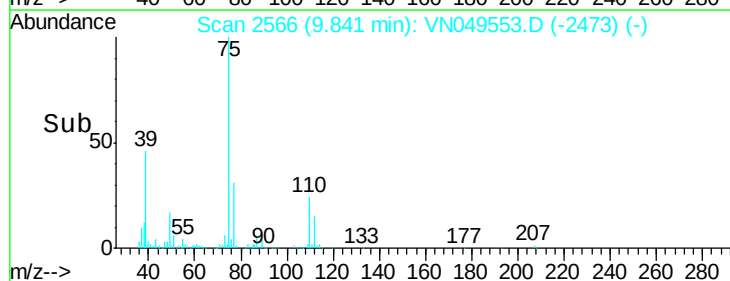
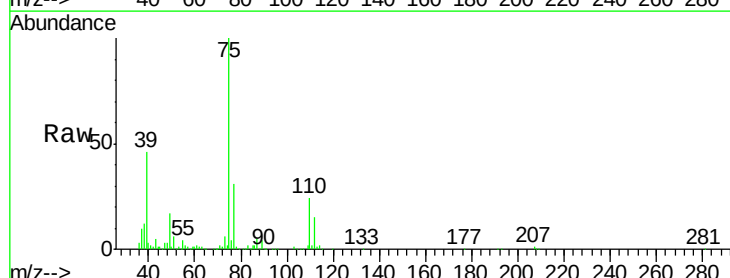
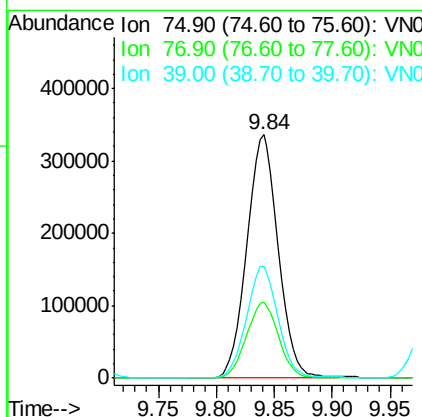
Manual Integrations
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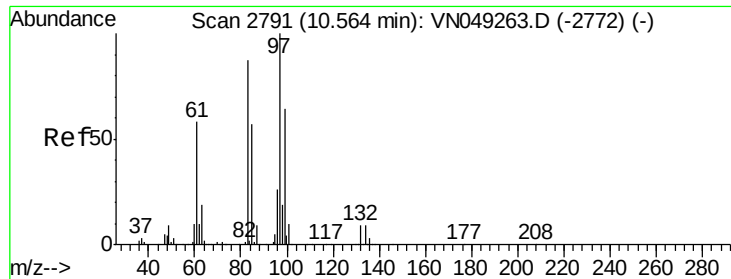
MMDadoda
6/27/2018 5:29:44 PM



#54
cis-1,3-Dichloropropene
Concen: 18.63 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.8	37.2
39	45.9	45.1	67.7





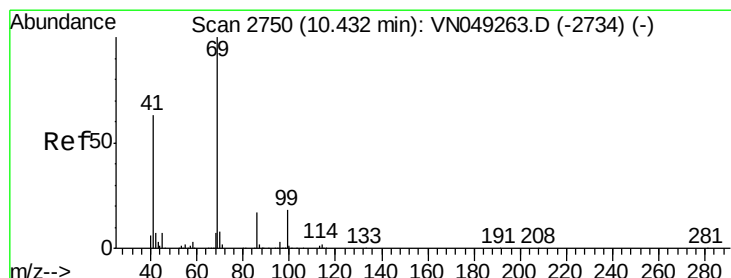
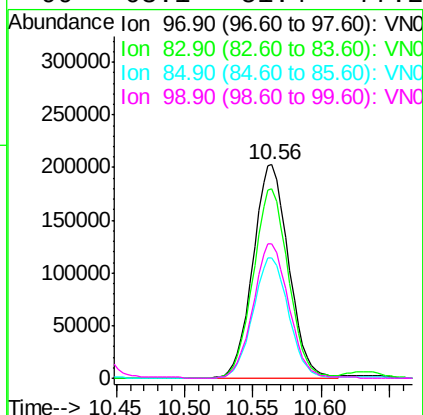
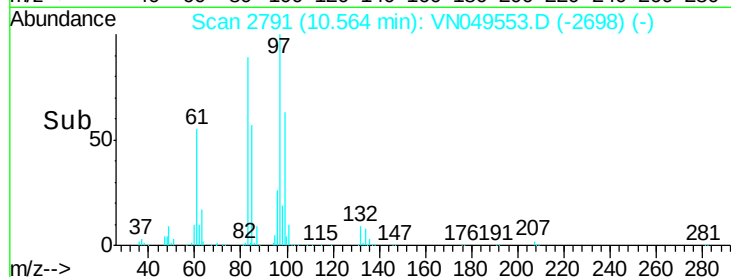
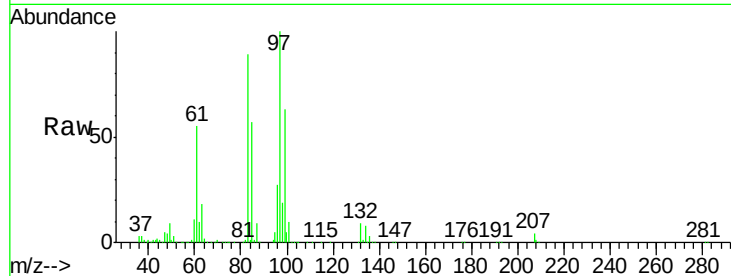
#55
 1,1,2-Trichloroethane
 Concen: 18.61 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		367599		
83	88.8	71.5	107.3		
85	56.7	47.0	70.4		
99	63.1	51.4	77.2		

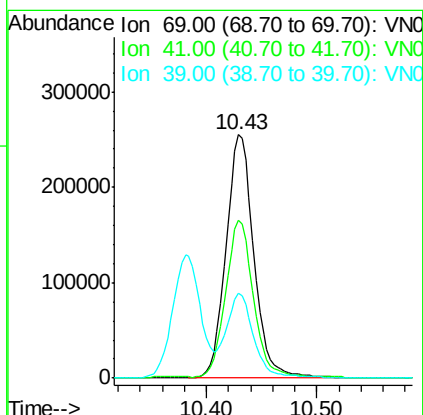
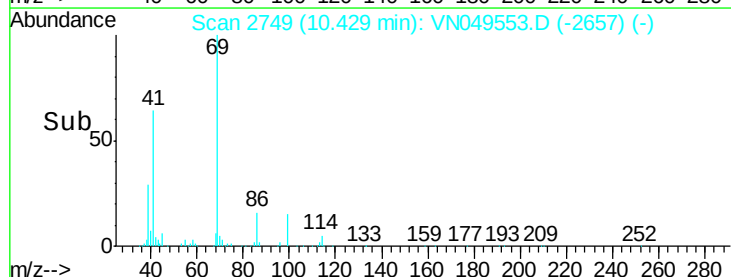
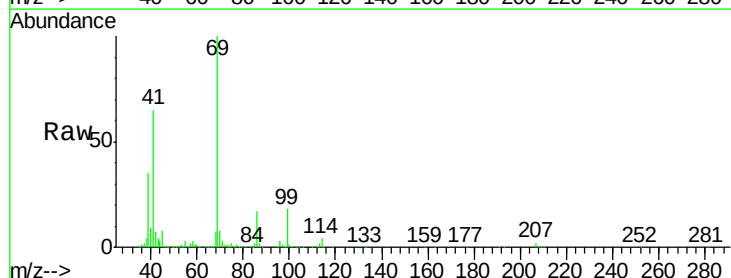
Manual Integrations
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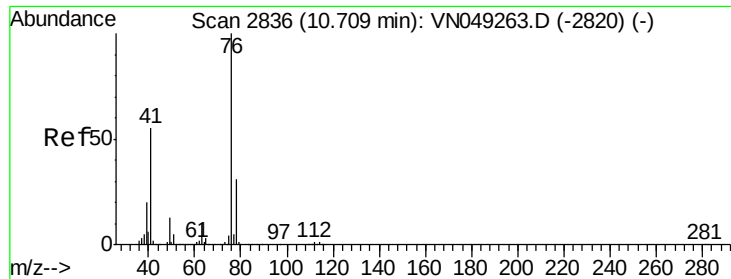
MMDadoda
 6/27/2018 5:29:44 PM



#56
 Ethyl methacrylate
 Concen: 19.58 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		446144		
41	64.1	58.4	87.6		
39	34.3	35.5	53.3#		





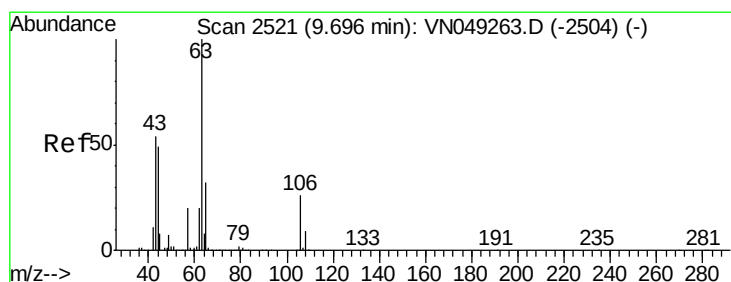
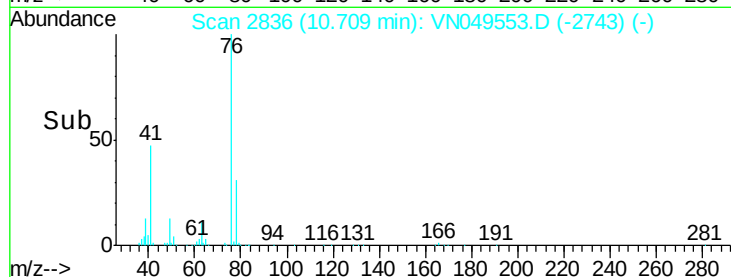
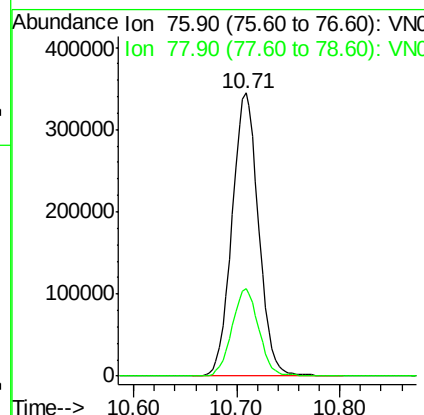
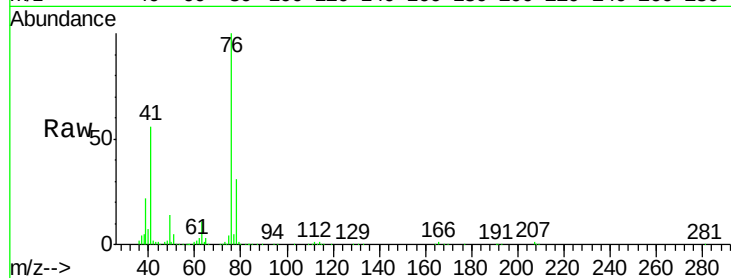
#57
 1,3-Dichloropropane
 Concen: 18.91 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.3	39.5

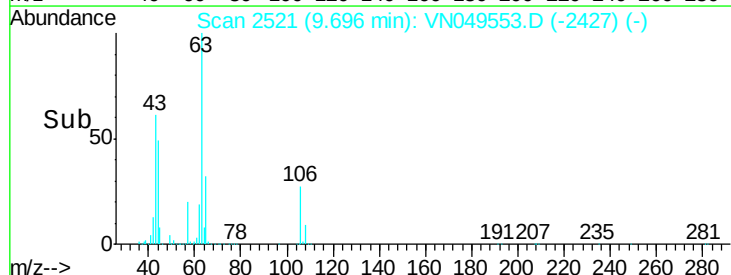
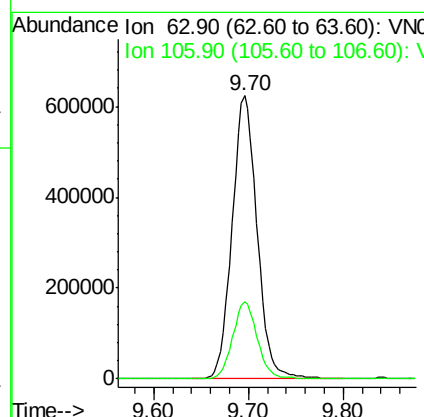
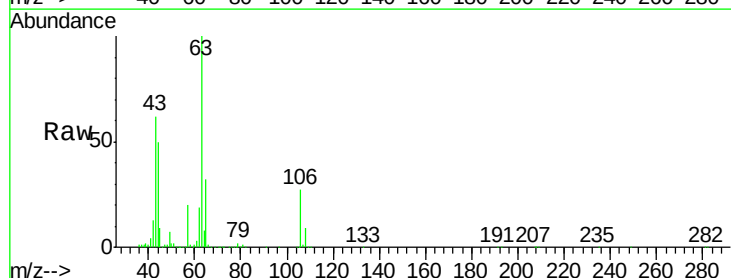
Manual Integrations
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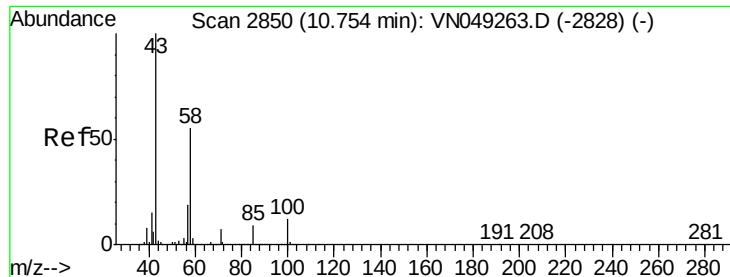
MMDadoda
 6/27/2018 5:29:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 146.80 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	19.4	29.2





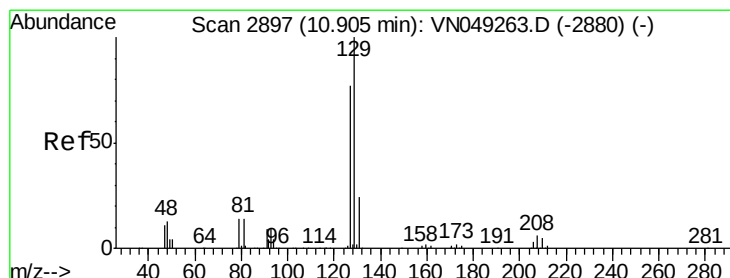
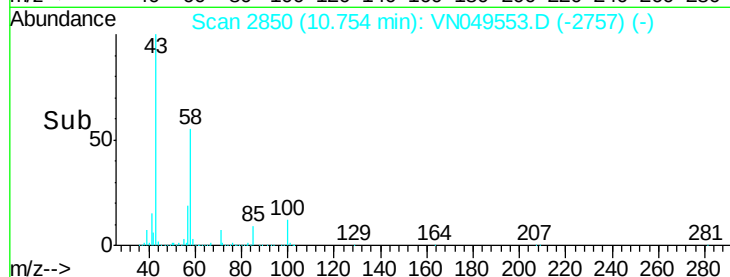
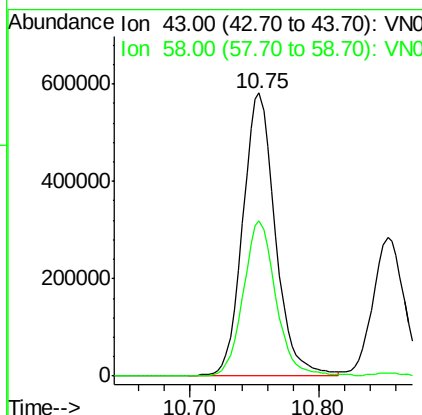
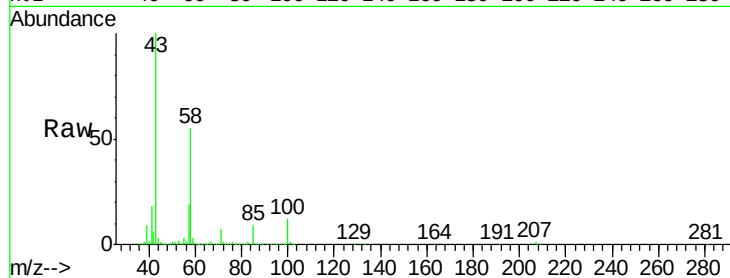
#59
2-Hexanone
Concen: 98.11 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion: 43 Resp: 1014166
Ion Ratio Lower Upper
43 100
58 55.2 25.2 75.6

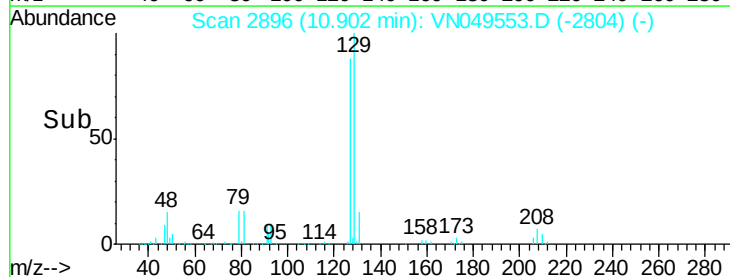
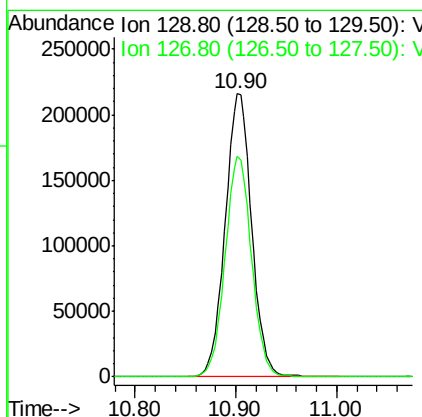
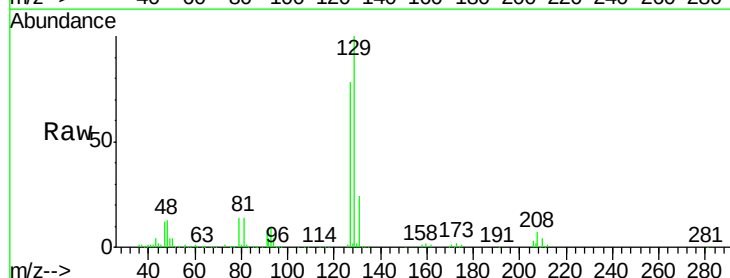
Manual Integrations
APPROVED

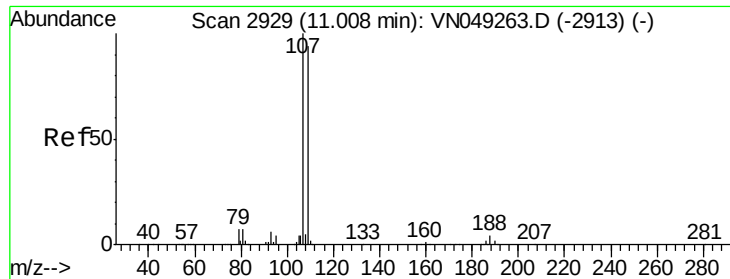
MMDadoda
6/27/2018 5:29:44 PM



#60
Dibromochloromethane
Concen: 17.92 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion: 129 Resp: 395149
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.2





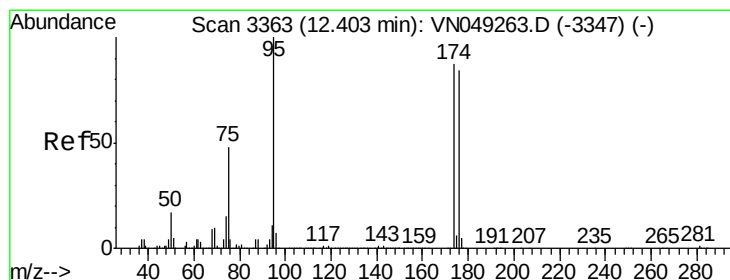
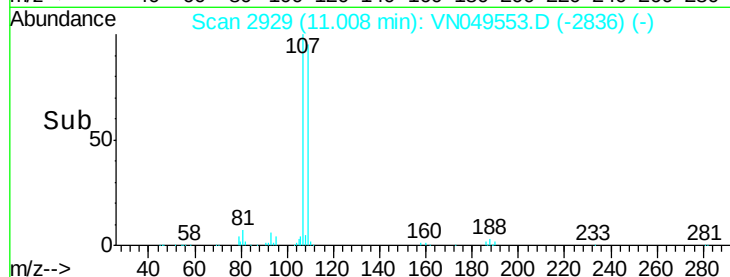
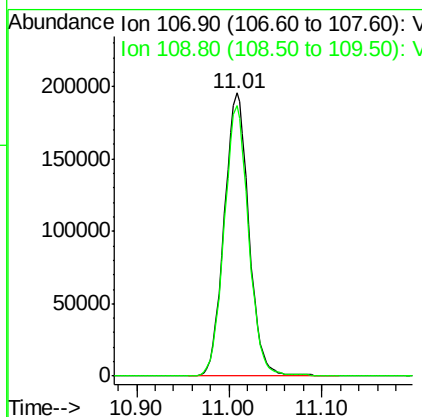
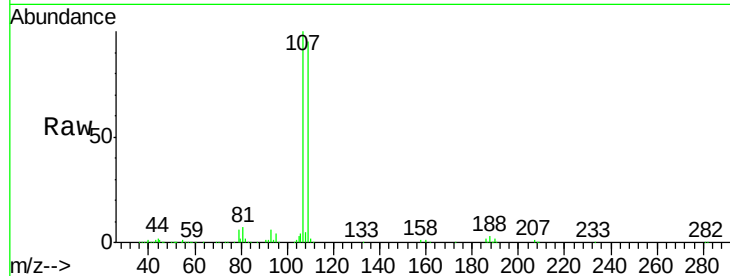
#61
 1,2-Dibromoethane
 Concen: 19.59 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.4	113.2

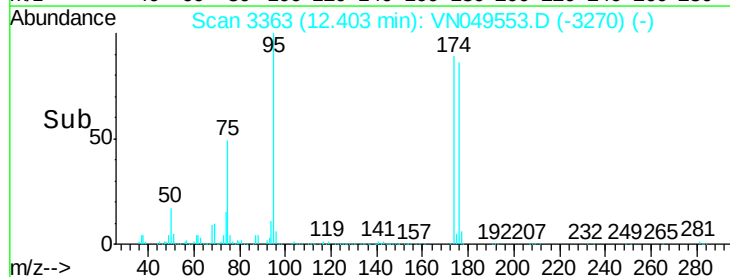
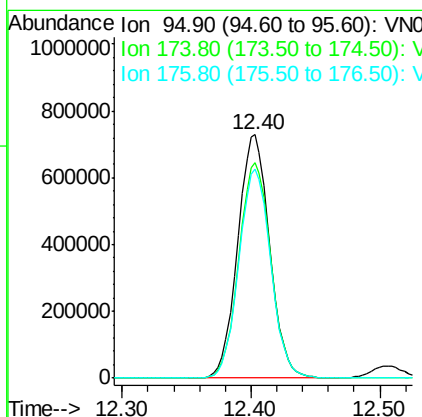
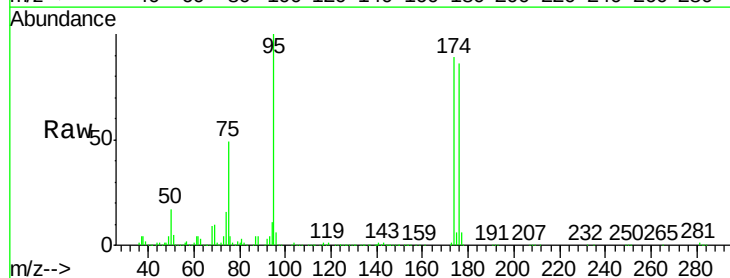
Manual Integrations
 APPROVED

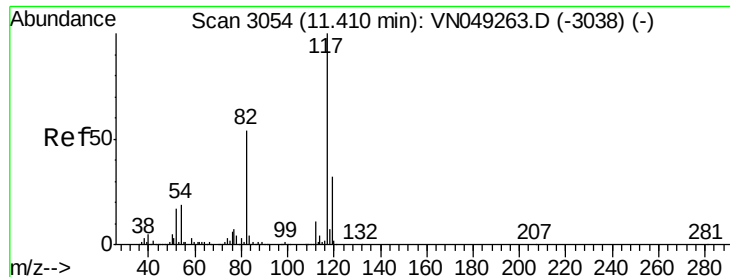
MMDadoda
 6/27/2018 5:29:44 PM



#62
 4-Bromofluorobenzene
 Concen: 47.81 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	165.6
176	85.9	0.0	157.4





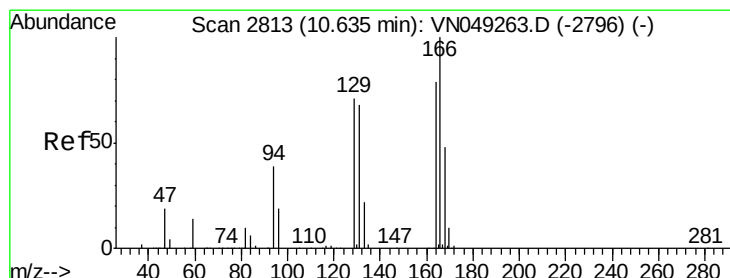
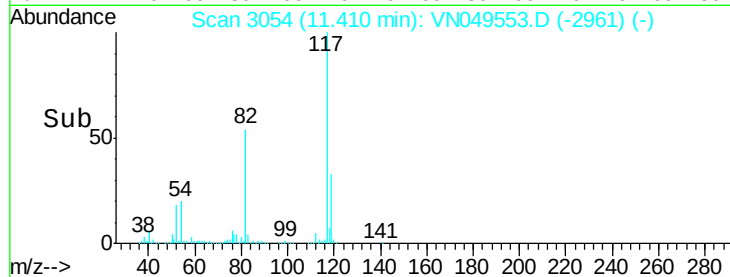
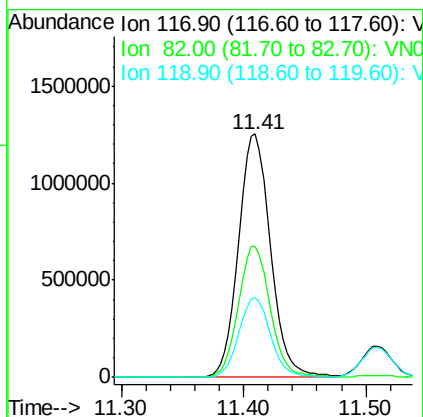
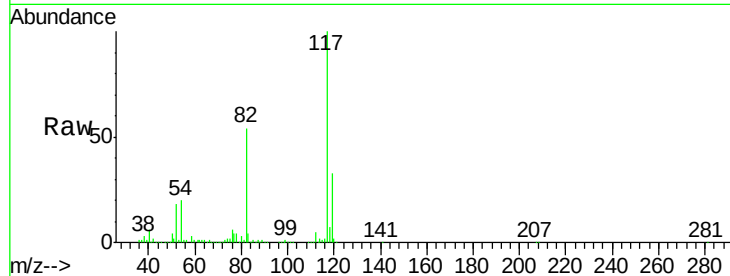
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion:117 Resp: 2270411
Ion Ratio Lower Upper
117 100
82 54.0 45.9 68.9
119 32.9 25.5 38.3

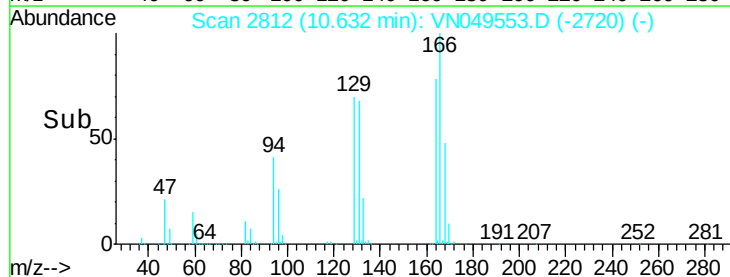
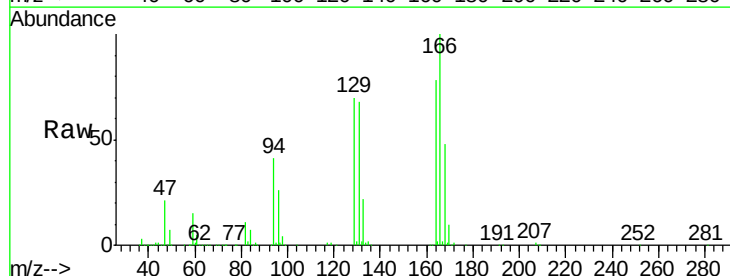
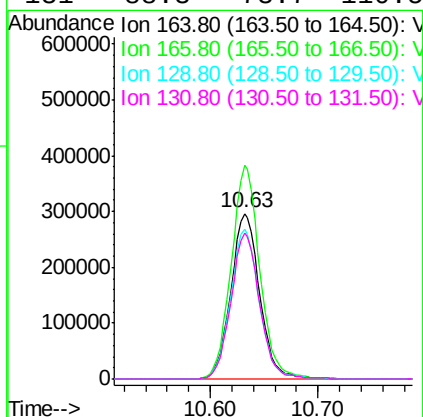
Manual Integrations
APPROVED

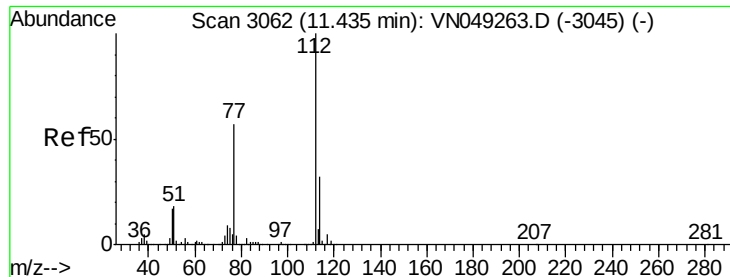
MMDadoda
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#64
Tetrachloroethene
Concen: 23.72 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion:164 Resp: 551949
Ion Ratio Lower Upper
164 100
166 129.0 101.4 152.2
129 90.5 74.1 111.1
131 88.3 73.7 110.5





#65

Chlorobenzene

Concen: 19.13 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampled :

VN0626WBSD01

Tot Ion:112 Resp: 1118617

Ion Ratio Lower Upper

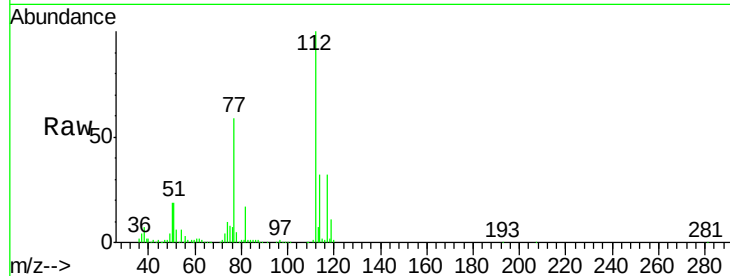
112 100

114 31.6 26.2 39.4

Manual Integrations
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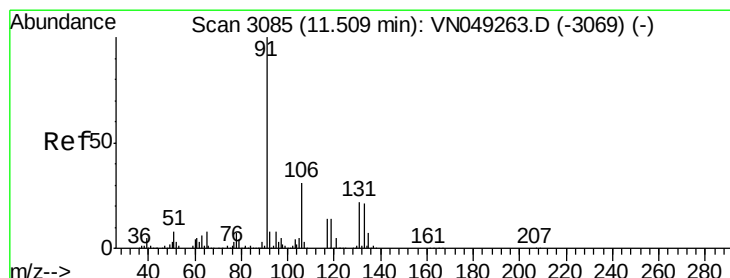
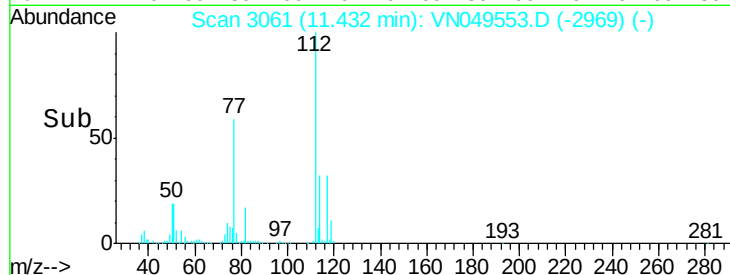
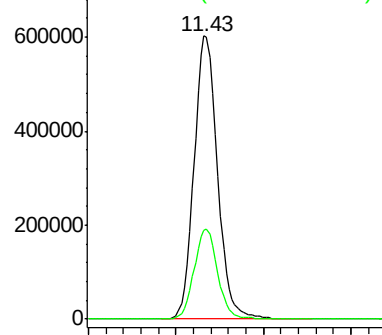
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.37 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

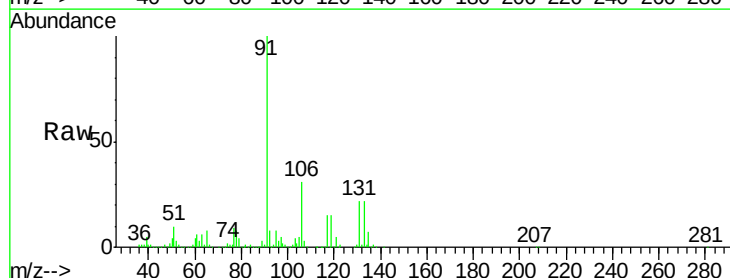
Tgt Ion:131 Resp: 404300

Ion Ratio Lower Upper

131 100

133 96.4 48.0 144.2

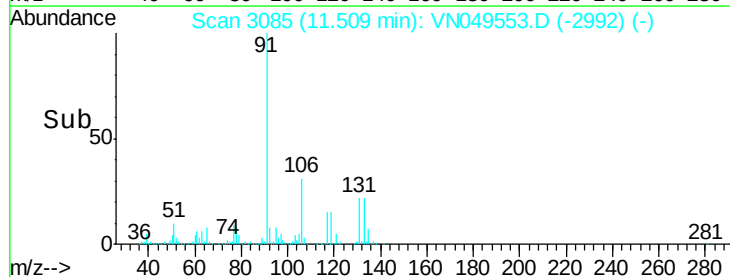
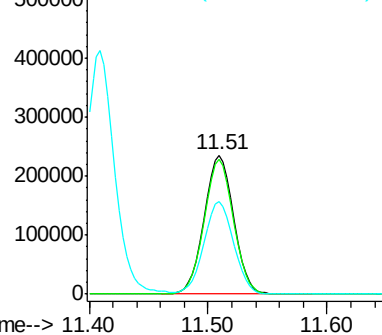
119 66.9 33.6 100.8

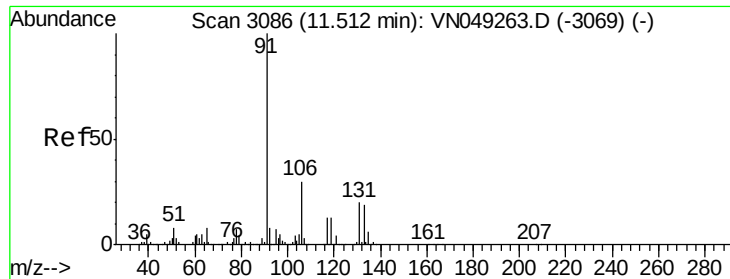


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.49 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampled :

VN0626WBSD01

Tot Ion: 91 Resp: 1891010

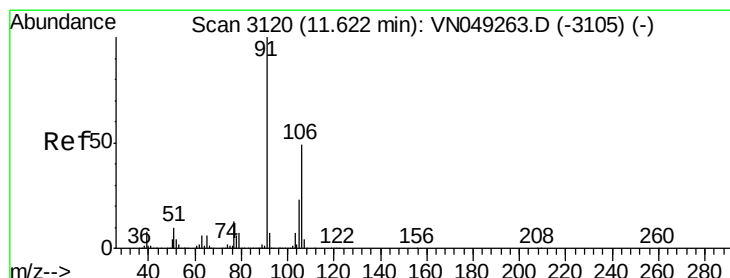
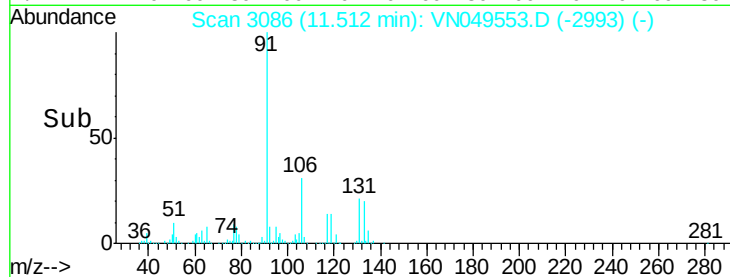
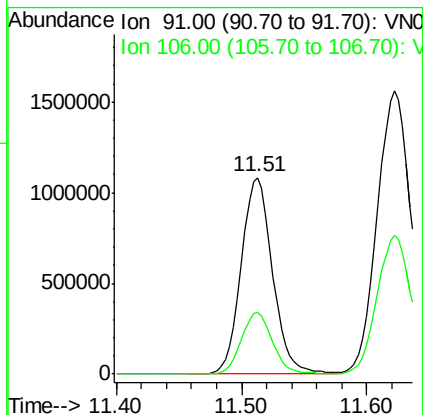
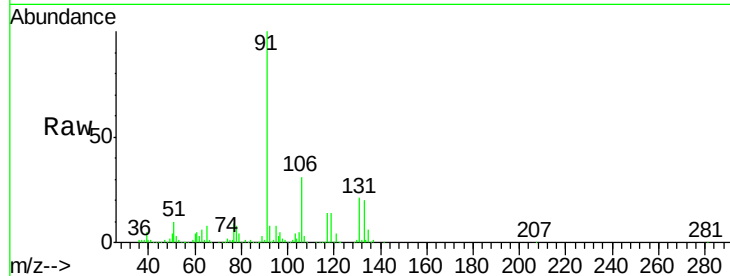
Ion Ratio Lower Upper

91 100

106 31.3 23.9 35.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.44 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049553.D

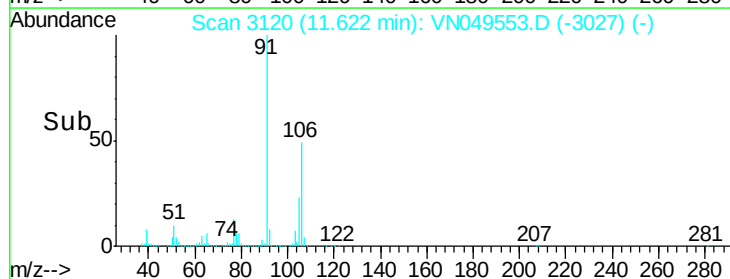
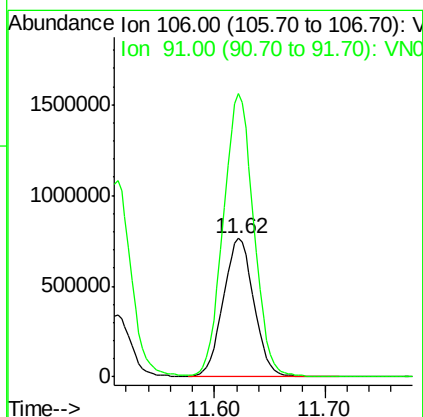
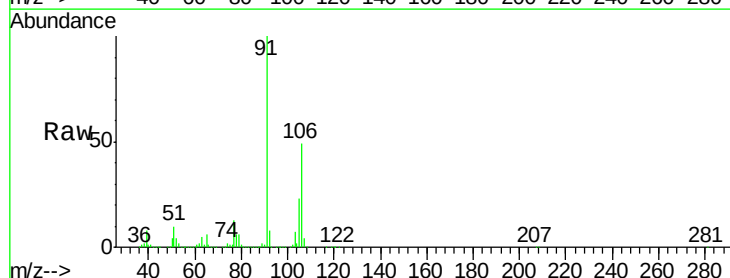
Acq: 26 Jun 2018 15:31

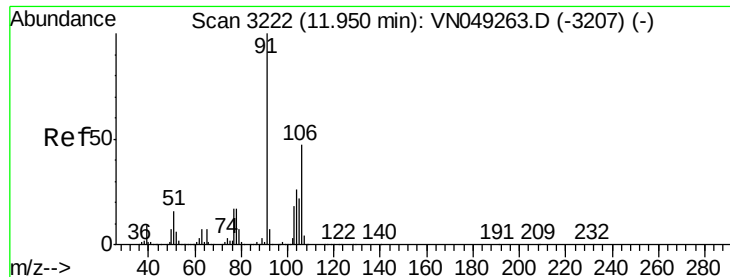
Tgt Ion: 106 Resp: 1472478

Ion Ratio Lower Upper

106 100

91 202.1 167.3 250.9





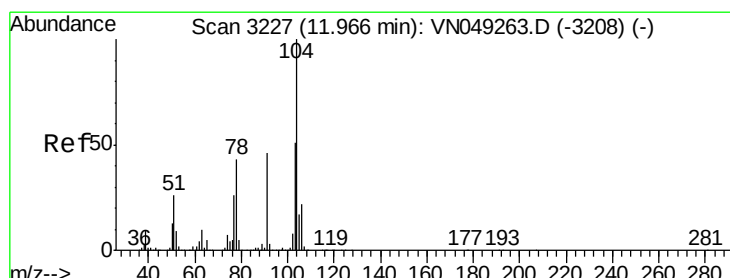
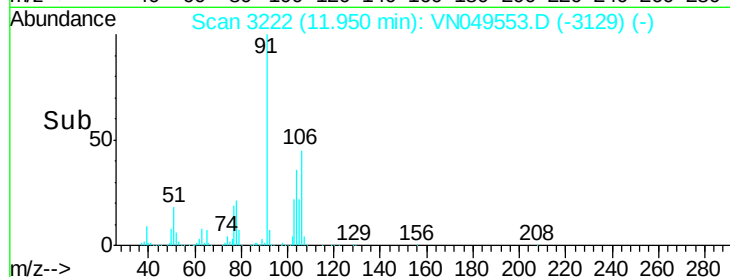
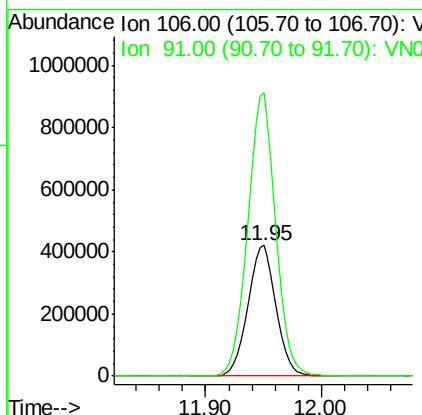
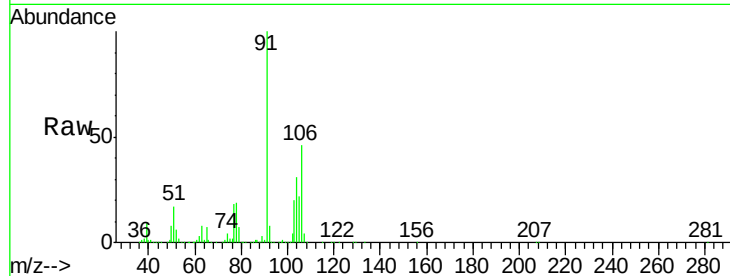
#69
o-Xylene
Concen: 20.25 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampled :
VN0626WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		710190		
91	215.3	111.0	333.0		

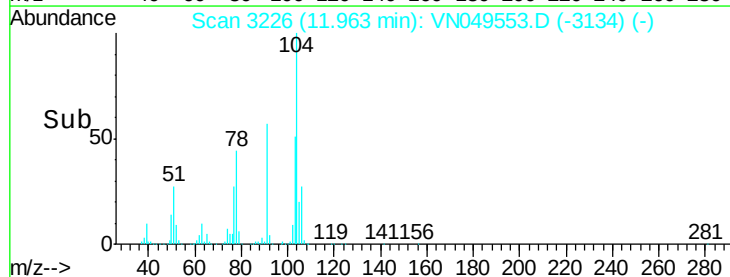
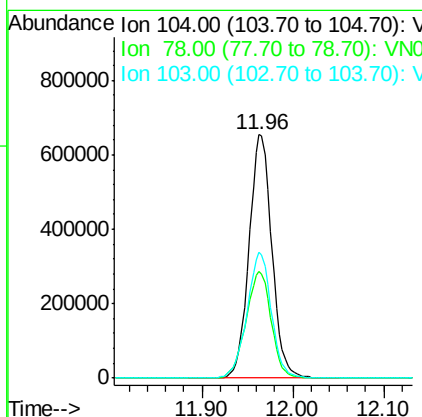
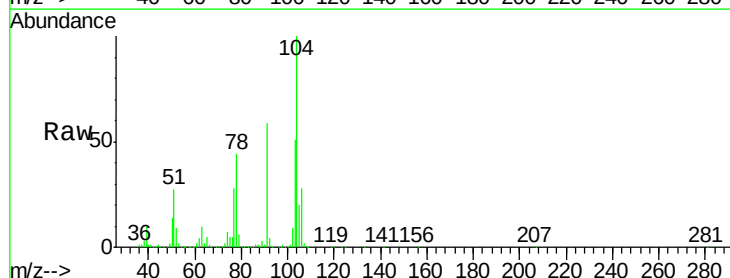
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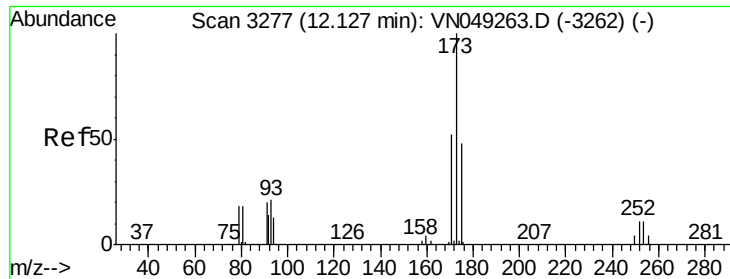
MMDadoda
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#70
Styrene
Concen: 20.57 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.6	41.6	62.4	
103	55.0	45.4	68.2	





#71

Bromoform

Concen: 17.81 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

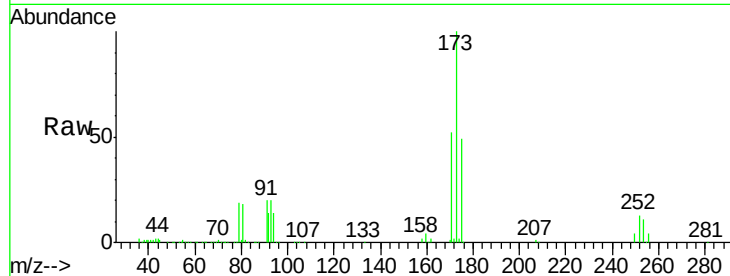
ClientSampleId :

VN0626WBSD01

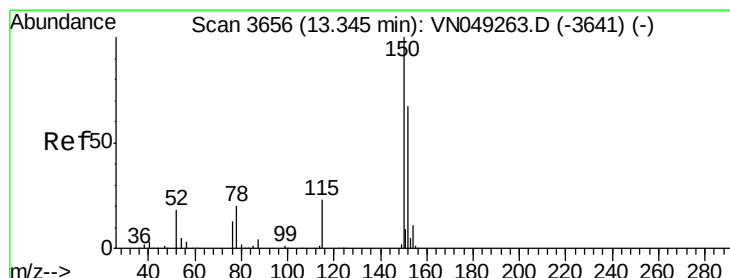
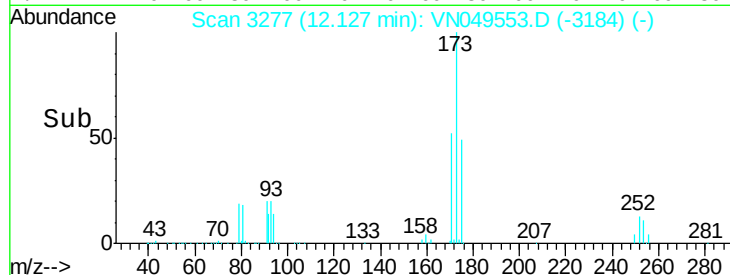
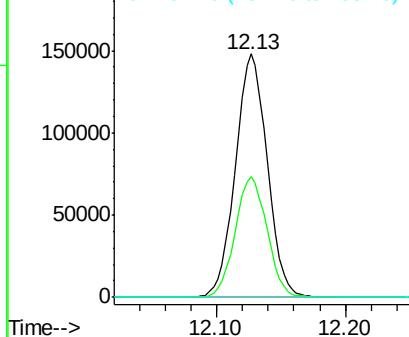
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.5	73.5
254	0.2	0.1	0.1#

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: 50.00 ug/l

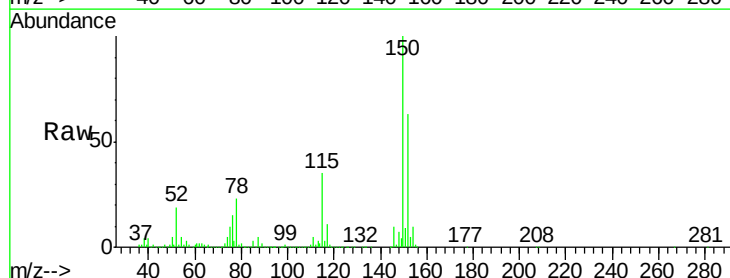
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

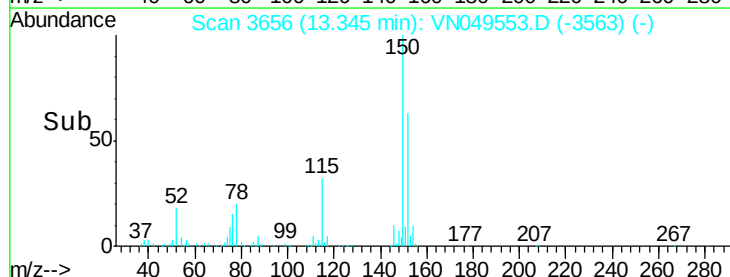
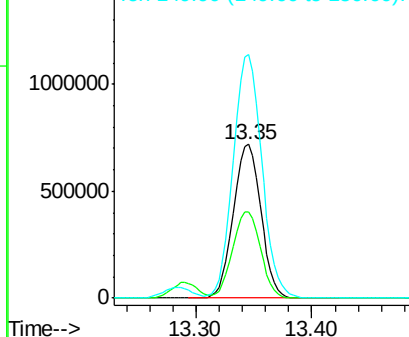
Lab File: VN049553.D

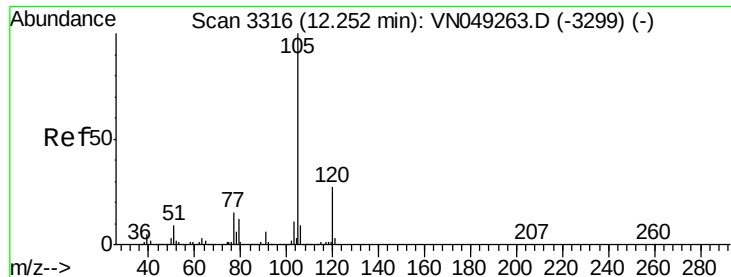
Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.7	86.1
150	165.1	0.0	351.0



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





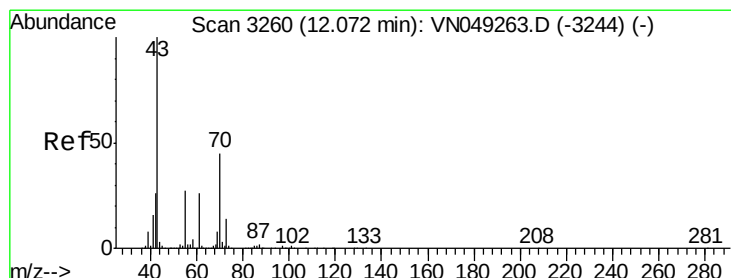
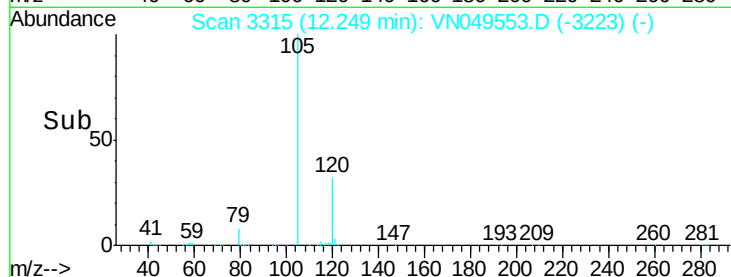
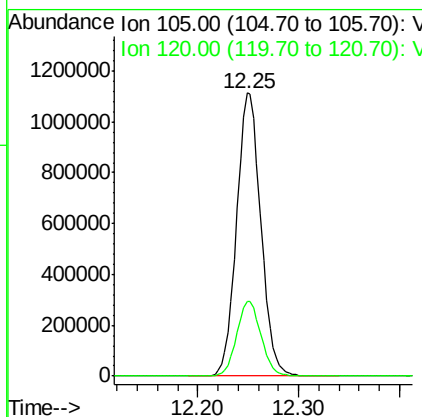
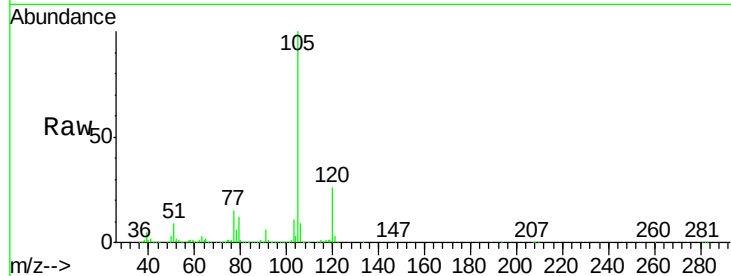
#73
Isopropylbenzene
Concen: 17.92 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion:105 Resp: 1853593
Ion Ratio Lower Upper
105 100
120 26.6 12.8 38.3

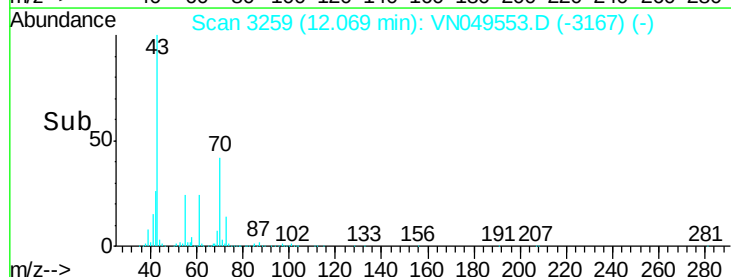
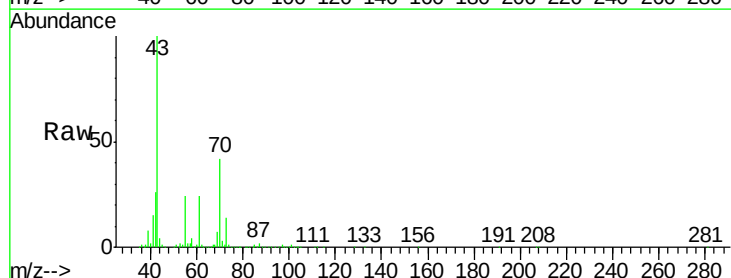
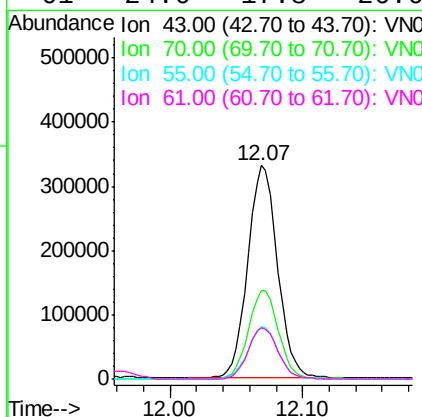
Manual Integrations
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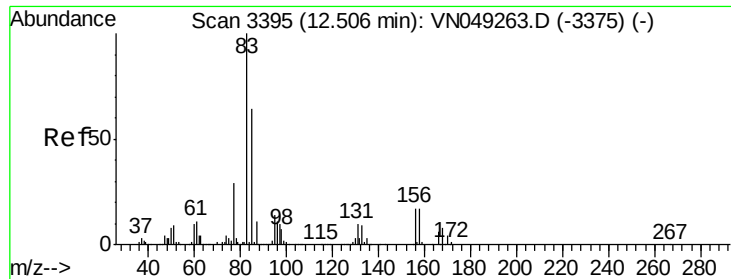
MMDadoda
6/27/2018 5:29:44 PM



#74
N-ethyl acetate
Concen: 20.27 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion: 43 Resp: 513538
Ion Ratio Lower Upper
43 100
70 42.5 30.3 45.5
55 25.3 19.4 29.2
61 24.6 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.18 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

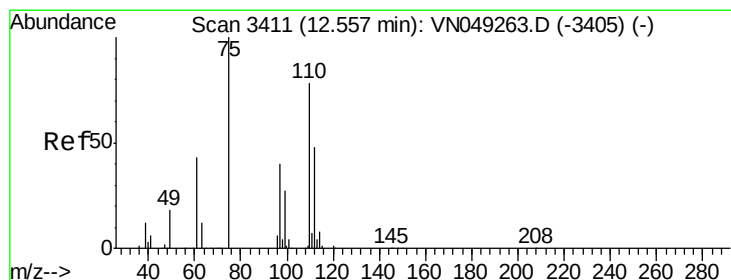
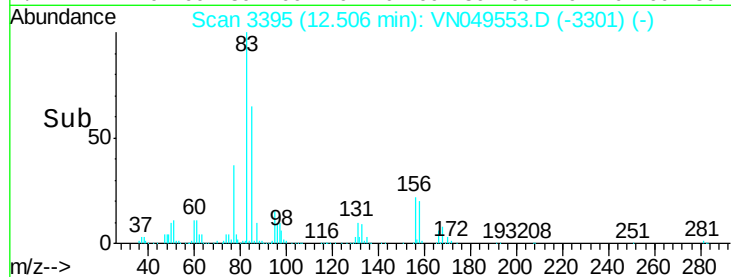
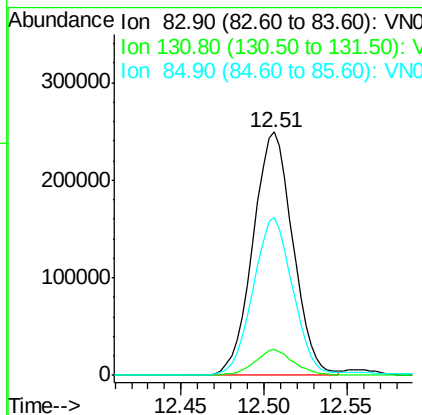
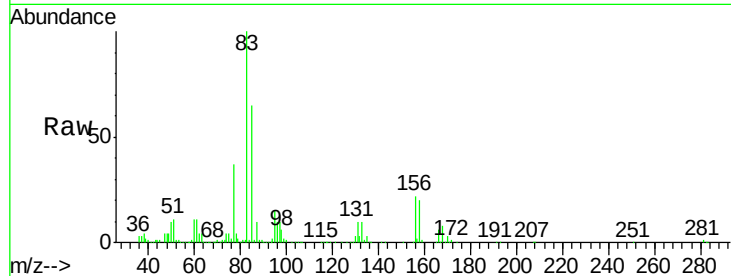
ClientSampled :

VN0626WBSD01

Tot Ion:	83	Resp:	417316
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	15.0
85	64.8	32.0	96.0

Manual Integrations
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6/27/2018 5:29:44 PM



#76

1,2,3-Trichloropropane

Concen: 16.61 ug/l m

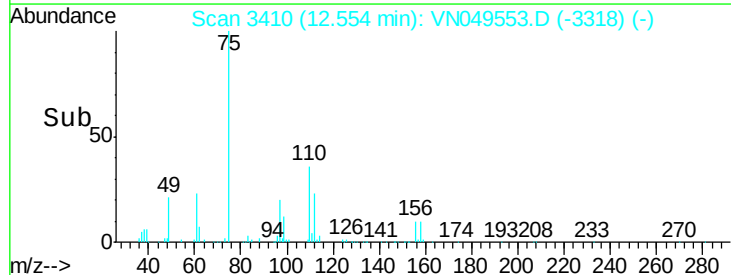
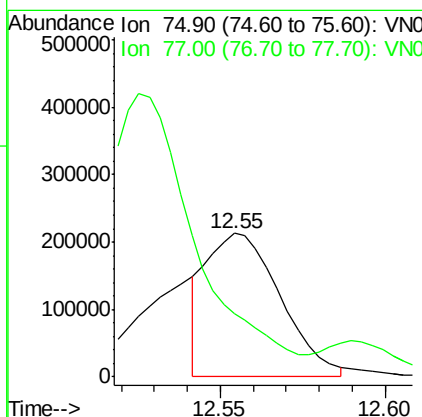
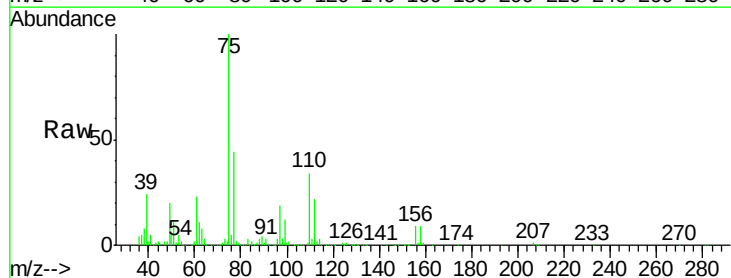
RT: 12.55 min Scan# 3410

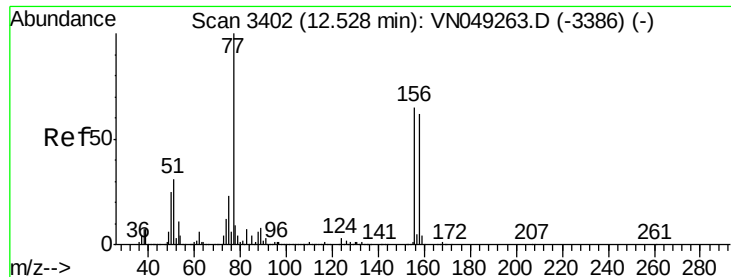
Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Tgt Ion:	75	Resp:	333982
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.47 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBSD01

Tot Ion:156 Resp: 477398

Ion Ratio Lower Upper

156 100

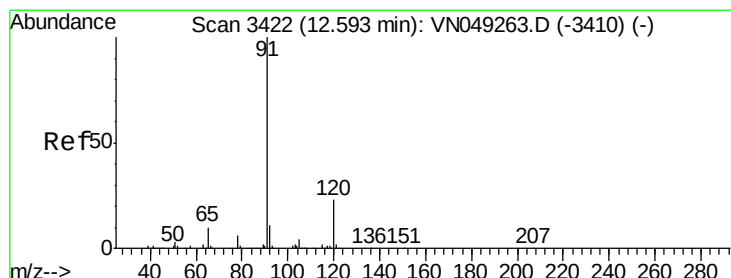
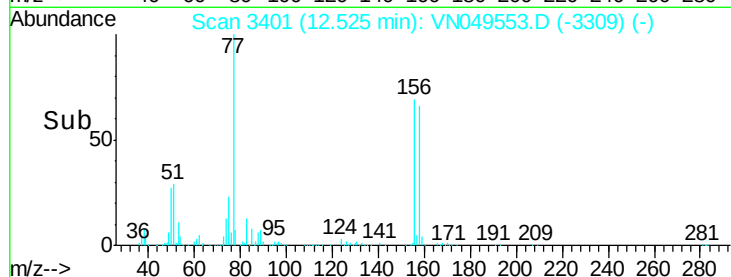
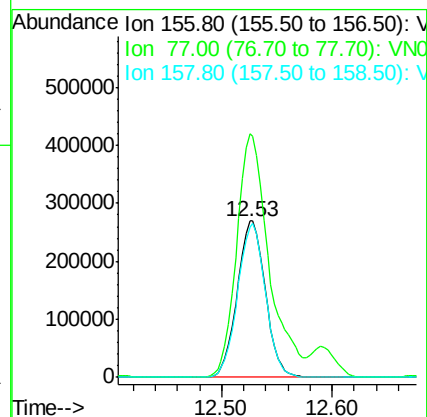
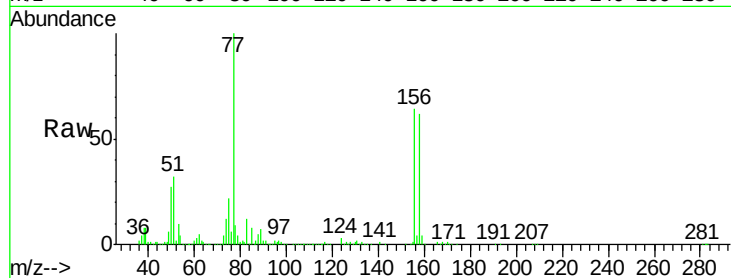
77 179.8 100.8 302.4

158 96.9 49.3 147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 18.61 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049553.D

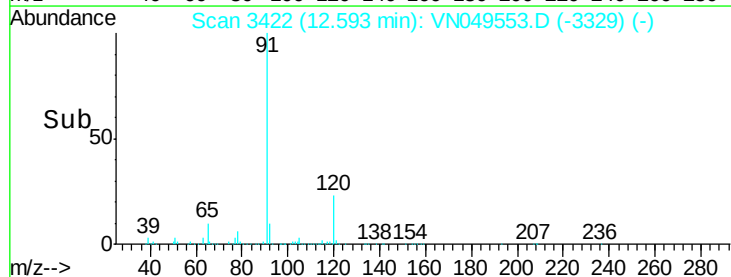
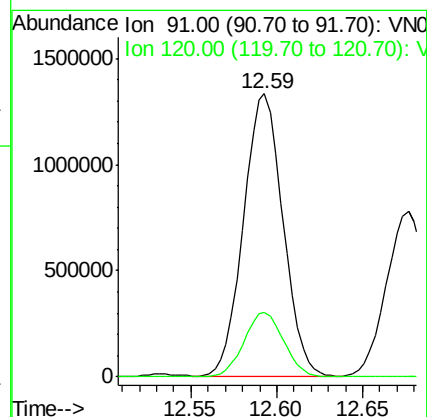
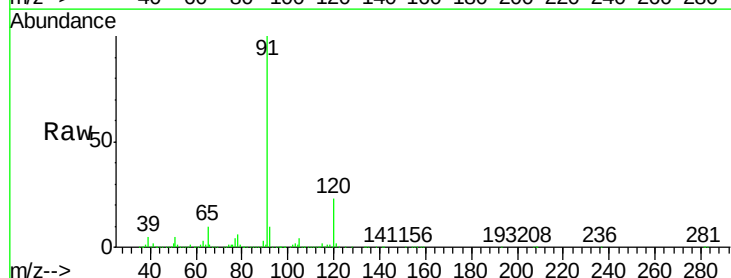
Acq: 26 Jun 2018 15:31

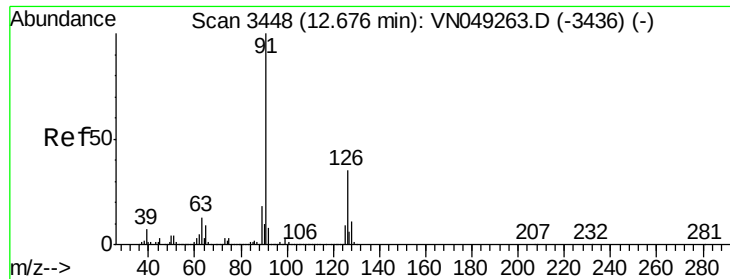
Tgt Ion: 91 Resp: 2113688

Ion Ratio Lower Upper

91 100

120 23.0 11.2 33.5





#79

2-Chlorotoluene

Concen: 17.96 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampled :

VN0626WBSD01

Tot Ion: 91 Resp: 1292870

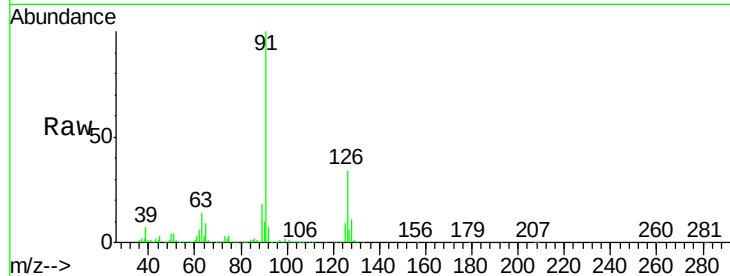
Ion Ratio Lower Upper

91 100

126 34.4 16.6 49.8

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

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

12.68

800000

600000

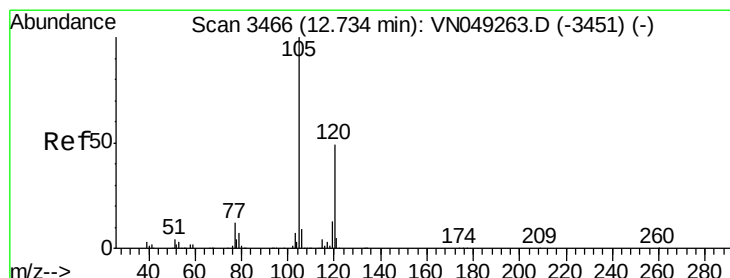
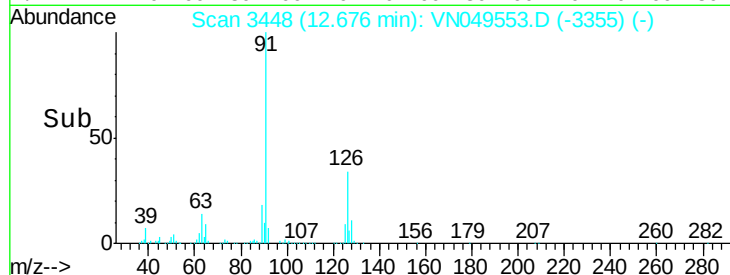
400000

200000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.10 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049553.D

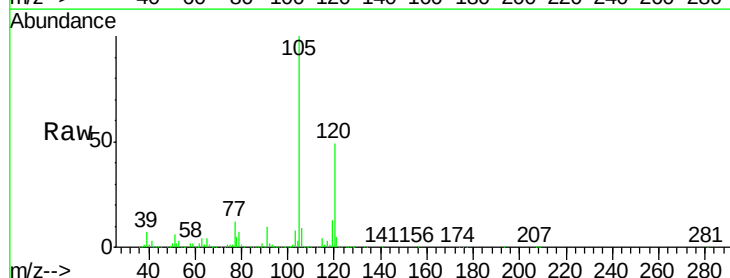
Acq: 26 Jun 2018 15:31

Tgt Ion: 105 Resp: 1552774

Ion Ratio Lower Upper

105 100

120 48.9 23.5 70.5



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

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

12.73

1000000

800000

600000

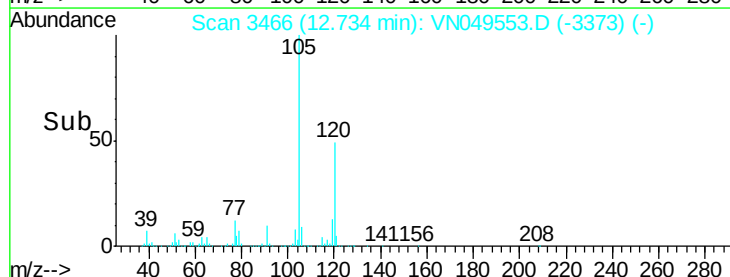
400000

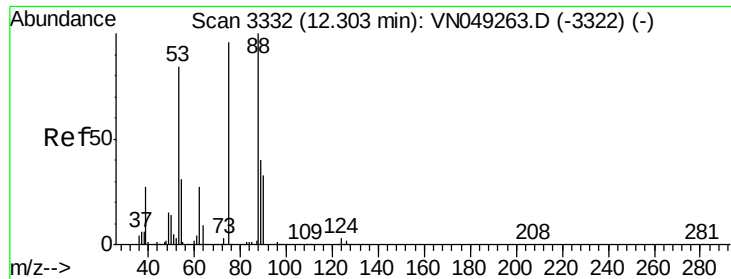
200000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.29 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

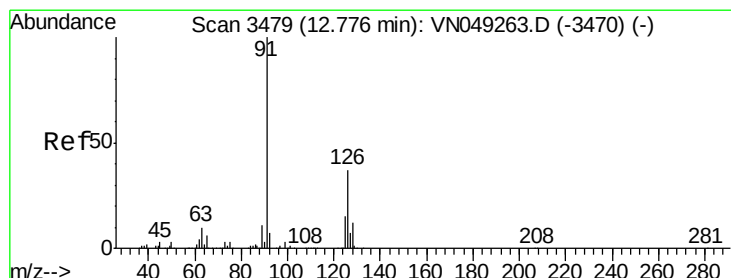
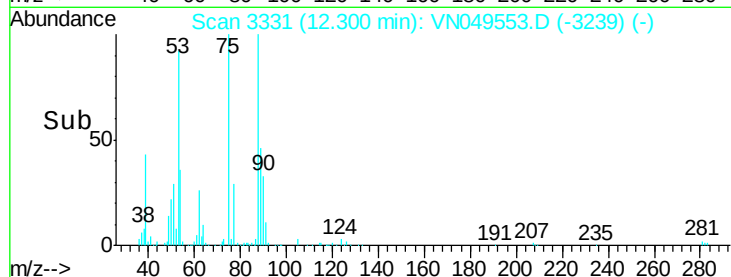
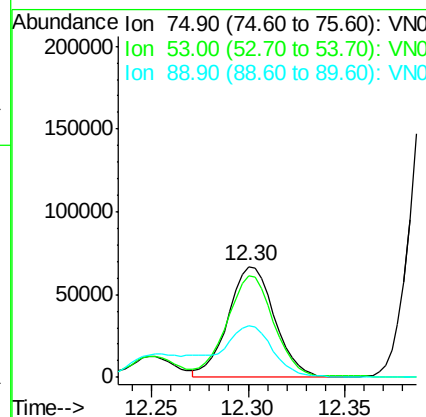
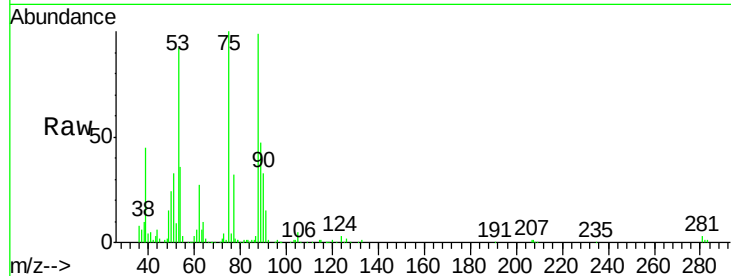
ClientSampleId :

VN0626WBSD01

Tot Ion:	75	Resp:	109970
Ion	Ratio	Lower	Upper
75	100		
53	92.2	82.7	124.1
89	46.4	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.88 ug/l

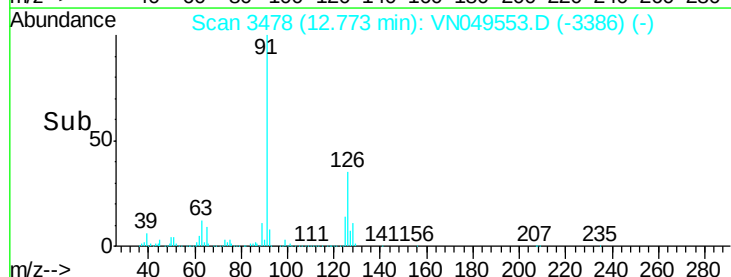
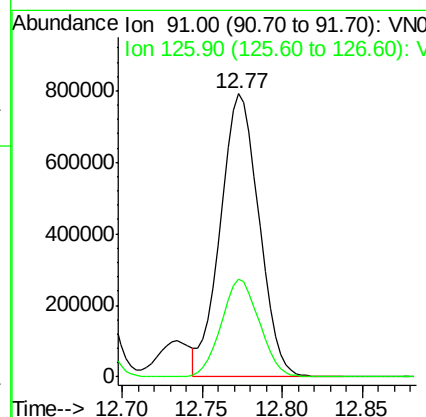
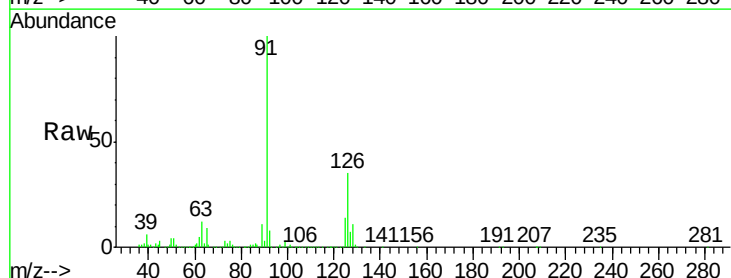
RT: 12.77 min Scan# 3478

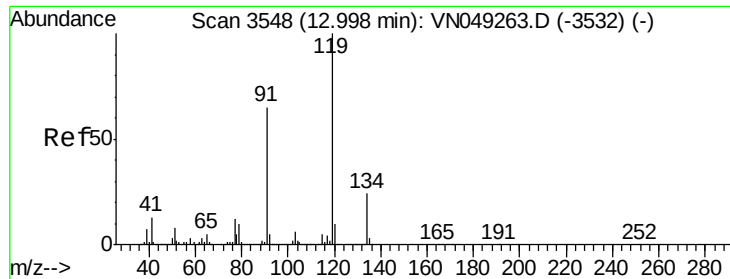
Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Tgt Ion:	91	Resp:	1310983
Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.4	49.1





#83

tert-Butylbenzene

Concen: 18.11 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampled :

VN0626WBSD01

Tot Ion:119 Resp: 1304604

Ion Ratio Lower Upper

119 100

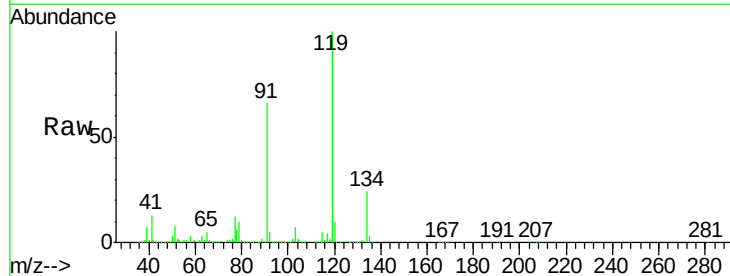
91 64.6 33.7 101.0

134 25.9 12.9 38.6

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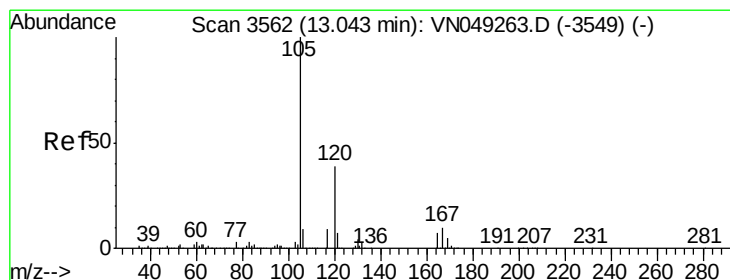
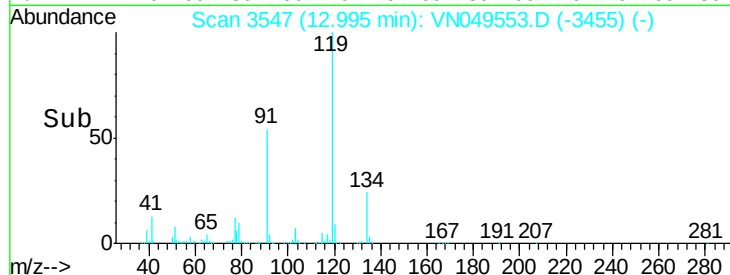
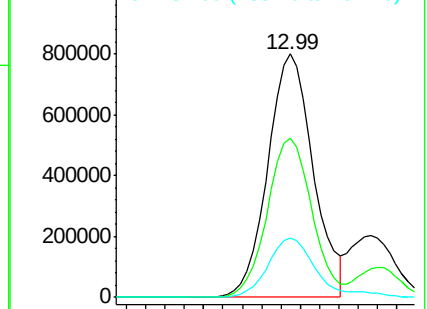
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.97 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049553.D

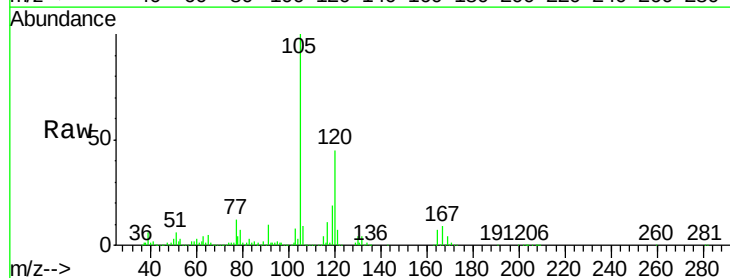
Acq: 26 Jun 2018 15:31

Tgt Ion:105 Resp: 1612942

Ion Ratio Lower Upper

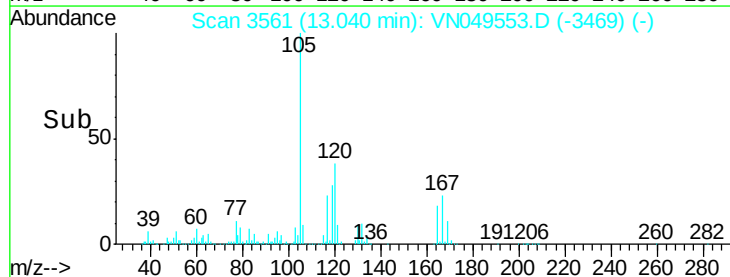
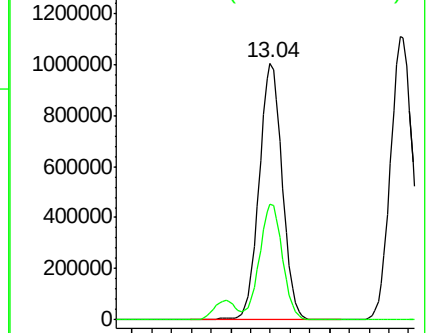
105 100

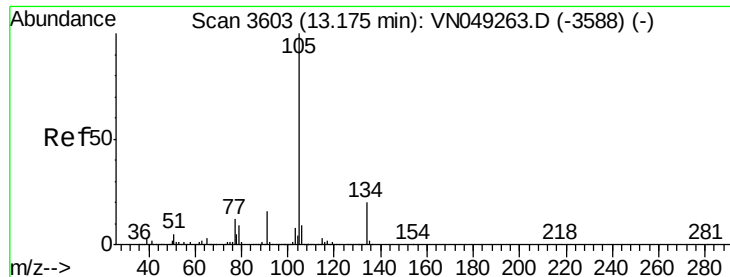
120 45.0 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.20 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBSD01

Tot Ion:105 Resp: 1744719

Ion Ratio Lower Upper

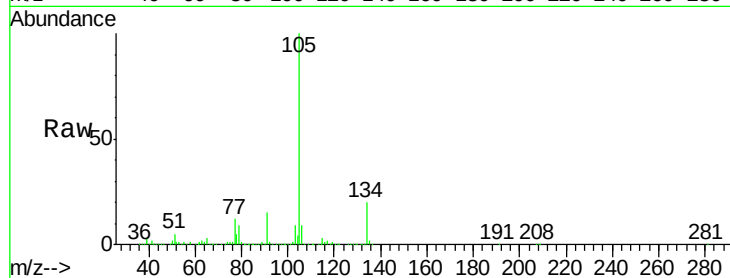
105 100

134 20.1 9.8 29.3

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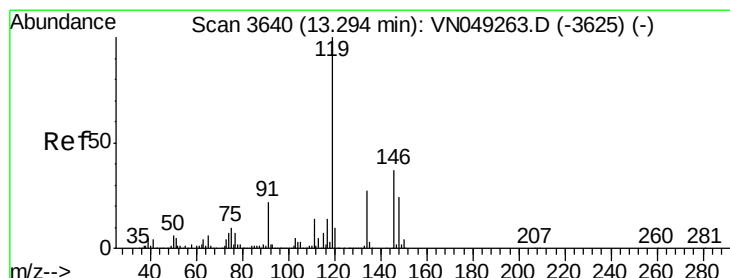
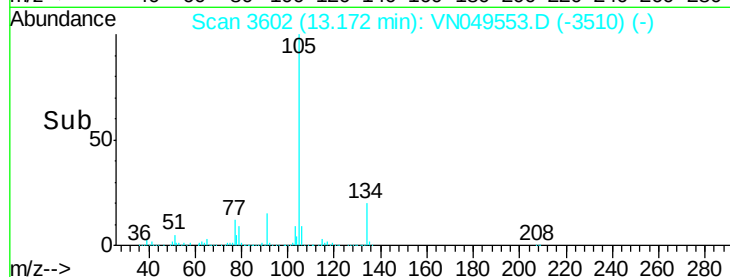
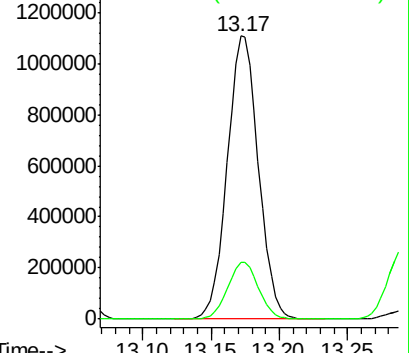
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.31 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

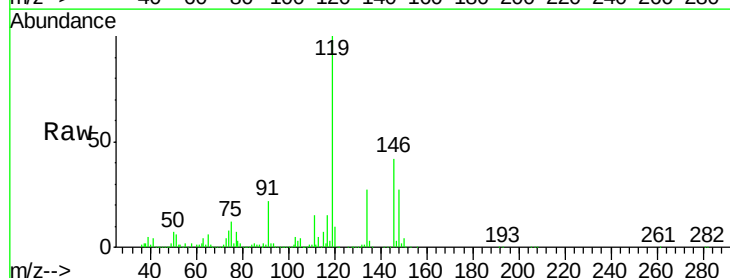
Tgt Ion:119 Resp: 1546651

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

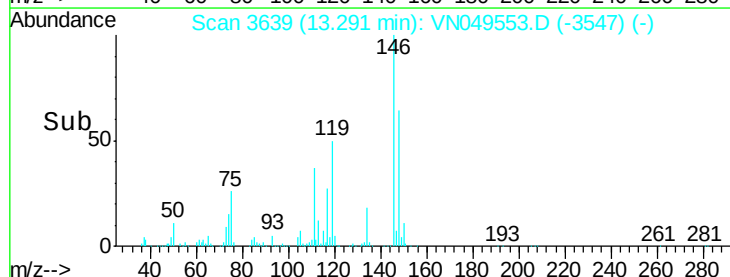
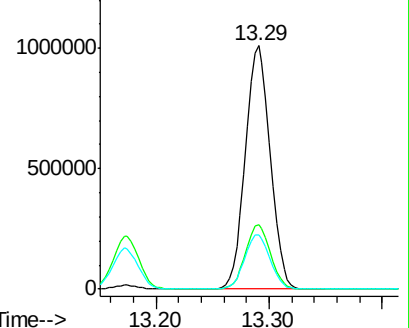
91 22.7 12.1 36.3

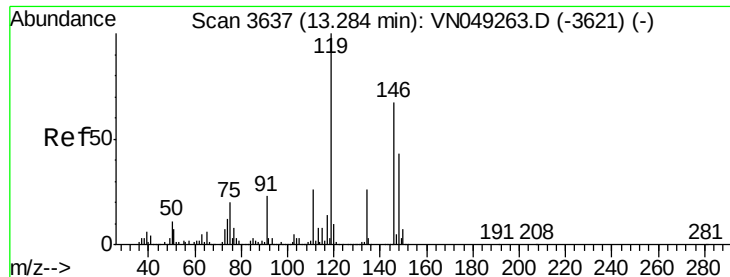


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.04 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

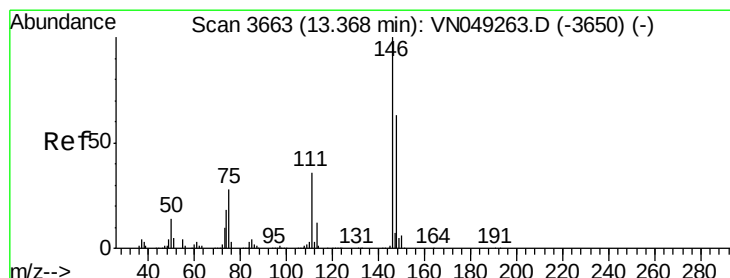
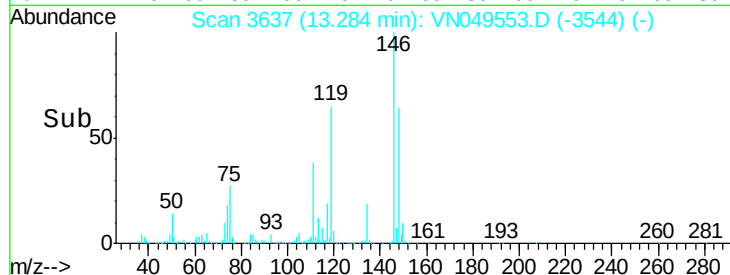
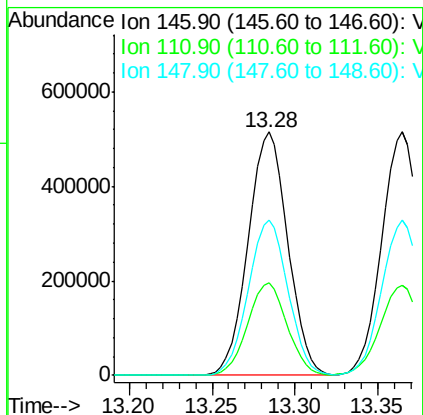
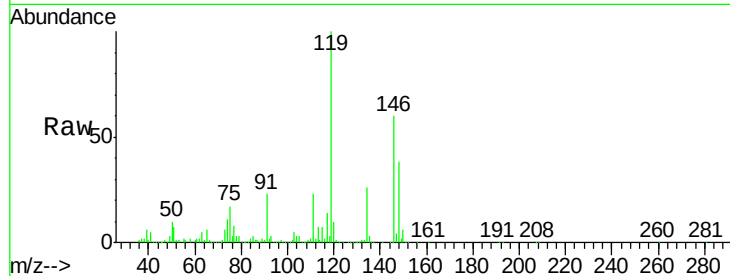
ClientSampleId :

VN0626WBSD01

Tot Ion:	146	Resp:	856065
Ion Ratio	Lower	Upper	
146	100		
111	37.8	19.9	59.6
148	63.9	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.81 ug/l

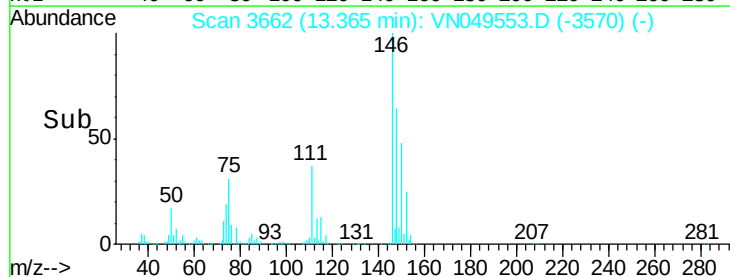
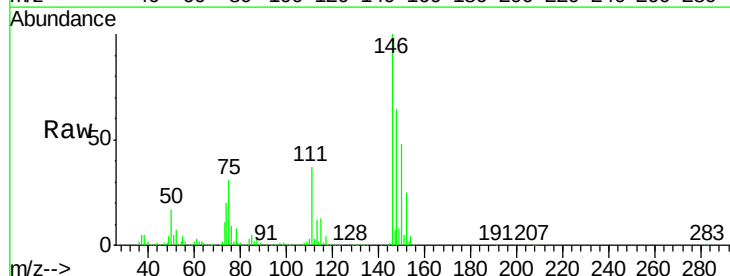
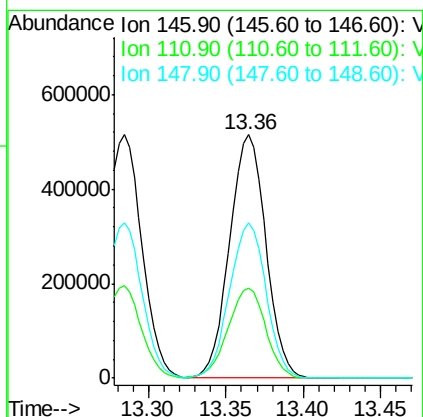
RT: 13.36 min Scan# 3662

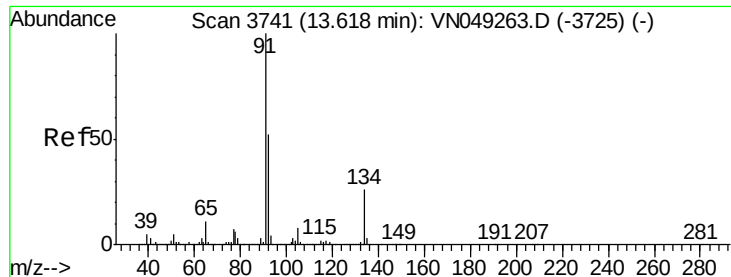
Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Tgt Ion:	146	Resp:	838010
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.1	57.1
148	64.0	32.0	96.2





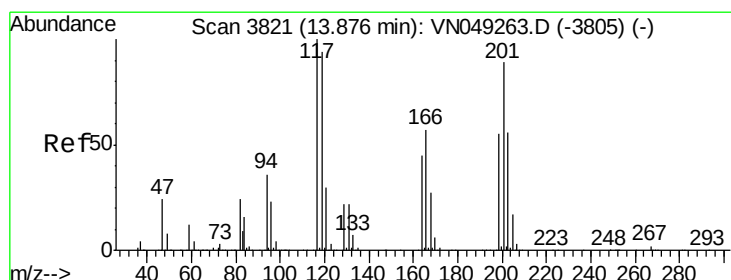
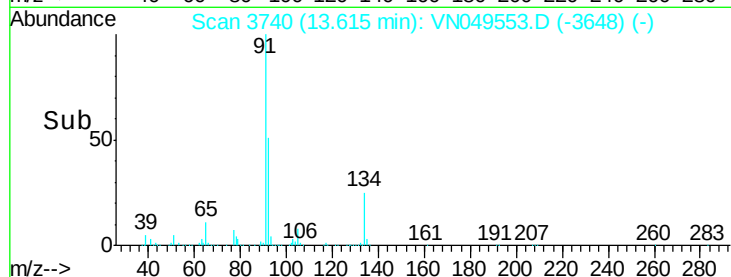
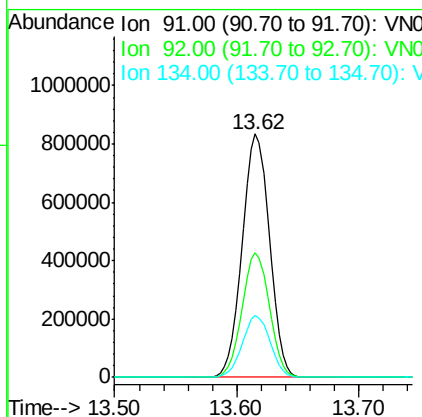
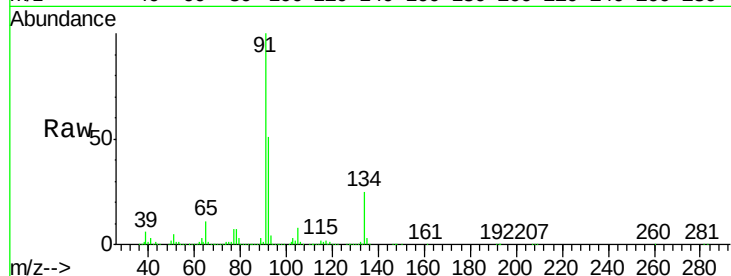
#89
n-Butylbenzene
Concen: 20.49 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.1	75.4
134	25.7	12.0	36.0

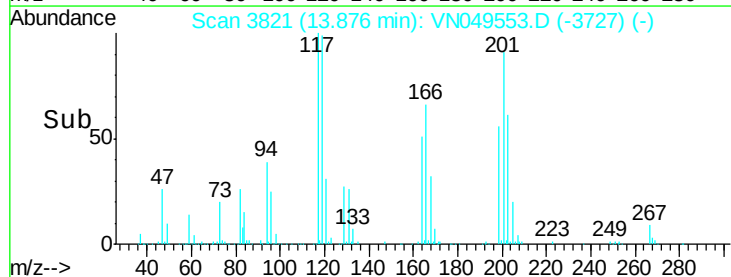
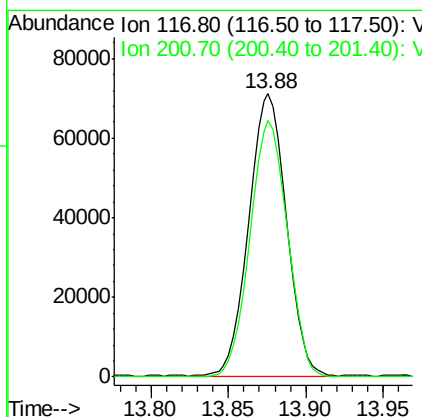
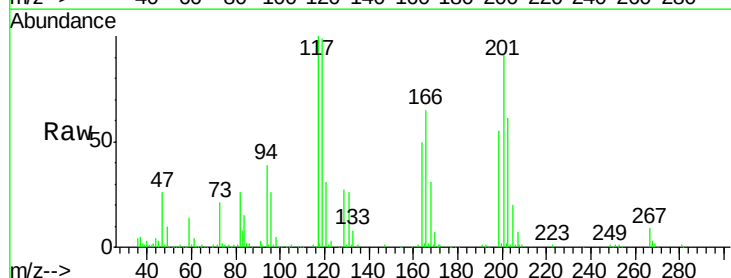
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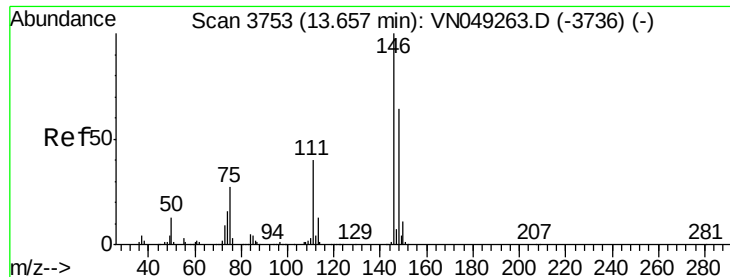
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#90
Hexachloroethane
Concen: 6.45 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.5	40.1	120.2





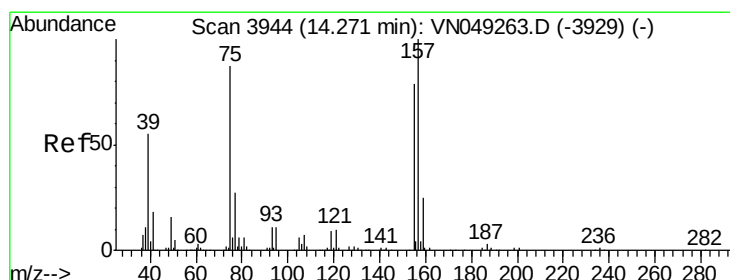
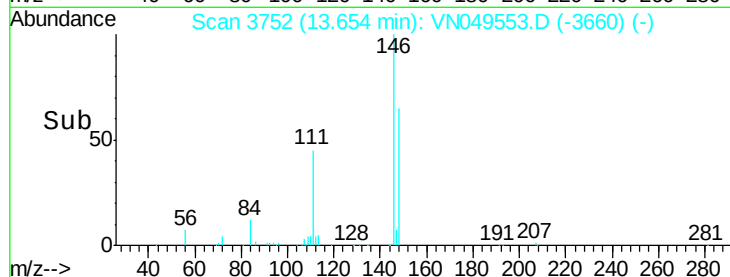
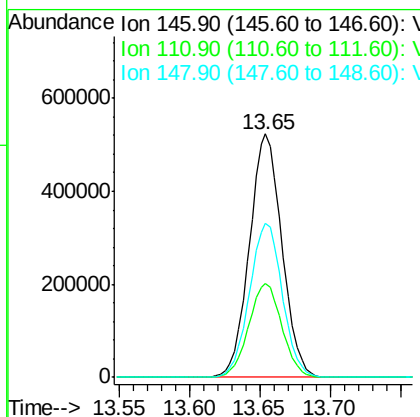
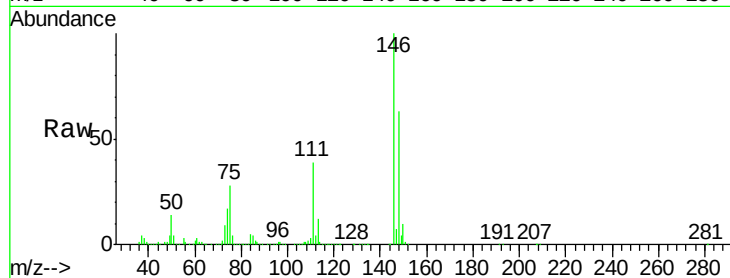
#91
 1,2-Dichlorobenzene
 Concen: 19.12 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.8	62.2
148	64.2	32.0	96.2

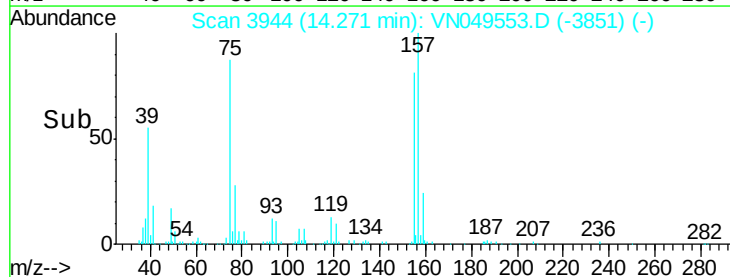
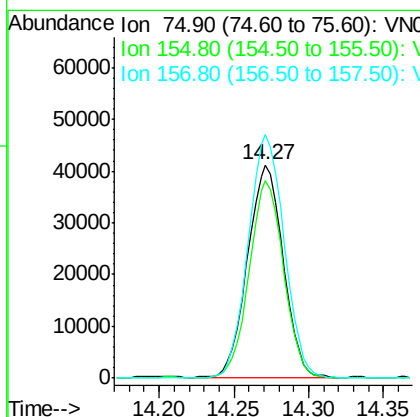
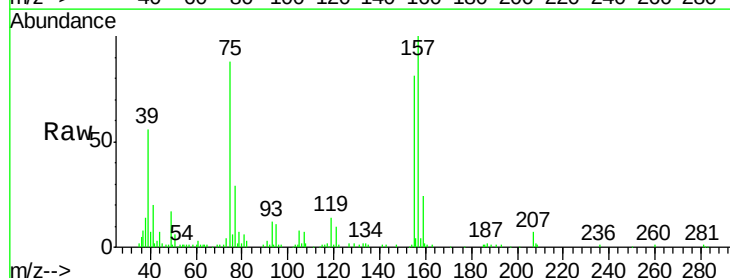
Manual Integrations
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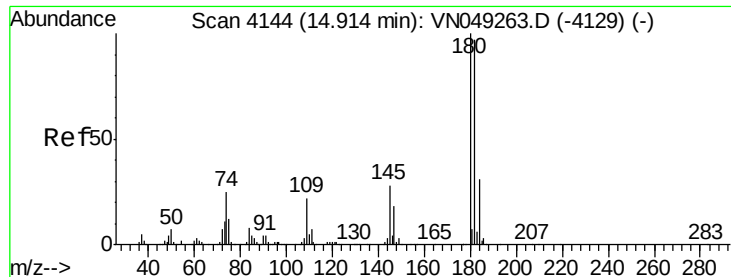
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.04 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049553.D
 Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.1	38.8	116.3
157	115.0	51.0	153.1





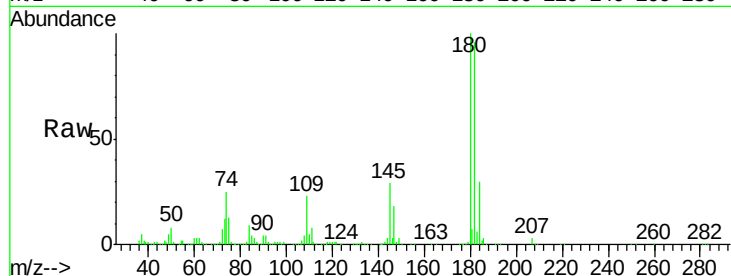
#93
1,2,4-Trichlorobenzene
Concen: 24.73 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Instrument :
MSVOA_N
ClientSampled :
VN0626WBSD01

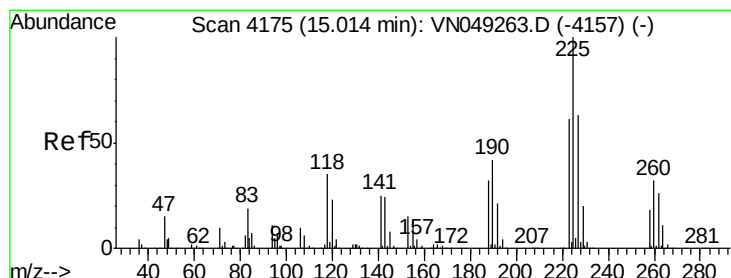
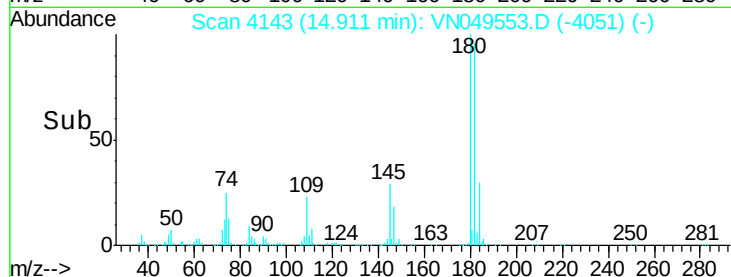
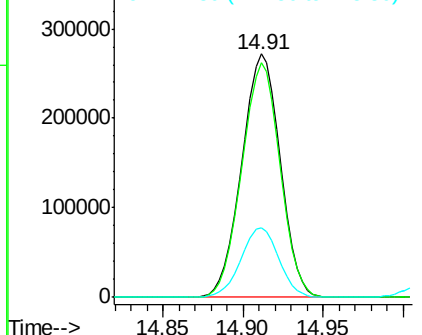
Tot Ion	Ratio	Resp	Lower	Upper
180	100	446262		
182	95.6	46.9	140.8	
145	28.4	14.7	44.1	

Manual Integrations
APPROVED

MMDadoda
6/27/2018 5:29:44 PM

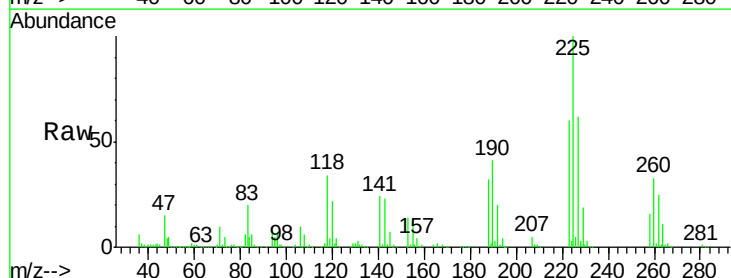


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

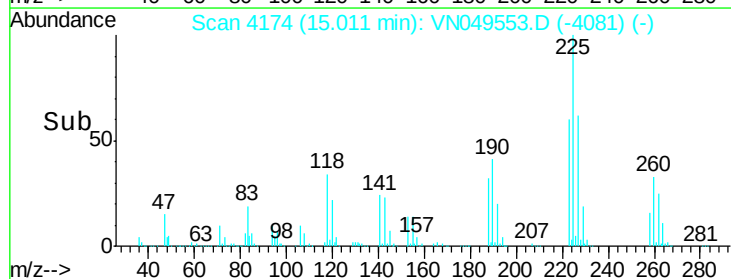
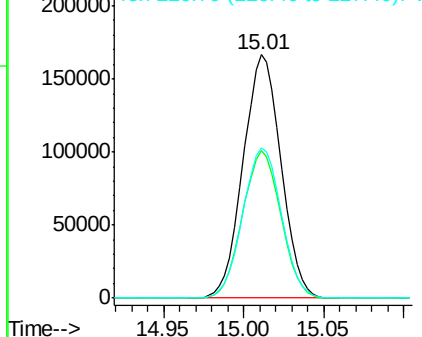


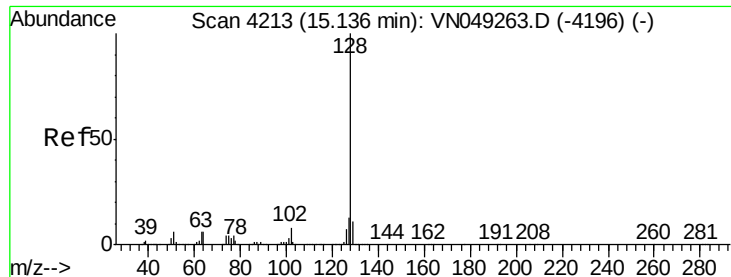
#94
Hexachlorobutadiene
Concen: 19.25 ug/l
RT: 15.01 min Scan# 4174
Delta R.T. -0.00 min
Lab File: VN049553.D
Acq: 26 Jun 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	269752		
223	61.3	32.1	96.3	
227	62.8	31.8	95.3	



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





#95

Naphthalene

Concen: 29.85 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Instrument :

MSVOA_N

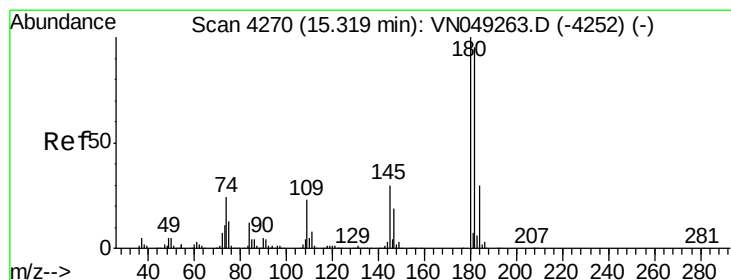
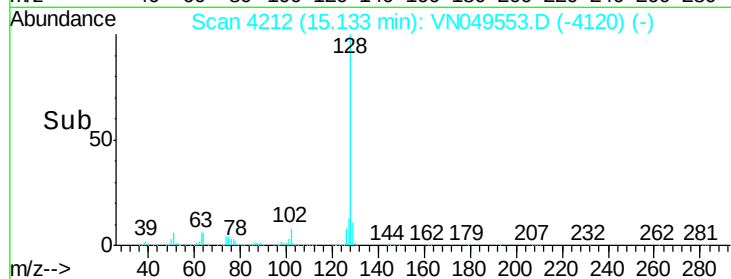
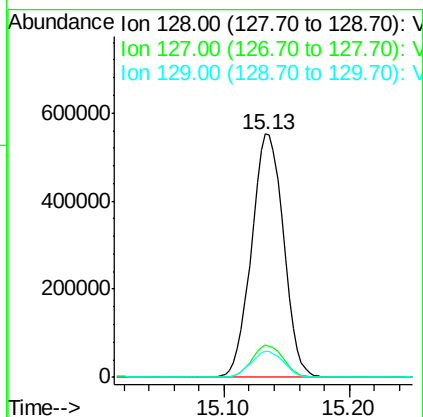
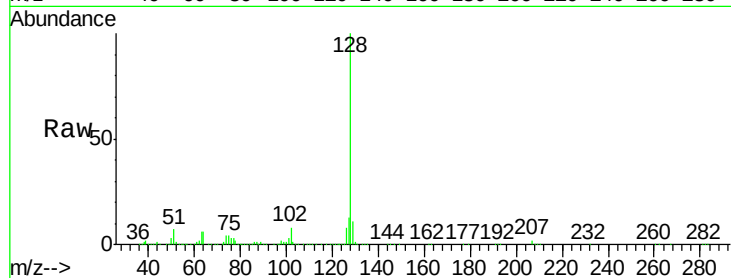
ClientSampled :

VN0626WBSD01

Tot Ion:	128	Resp:	982421
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/27/2018 5:29:44 PM



#96

1,2,3-Trichlorobenzene

Concen: 23.34 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049553.D

Acq: 26 Jun 2018 15:31

Tgt Ion:	180	Resp:	421953
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.3	141.8
145	30.3	15.6	46.7

