

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
 Data File : VN050034.D
 Acq On : 24 Jul 2018 20:53
 Operator : MD\SY
 Sample : VN0724WBSD01
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 12:32:40 PM

Quant Time: Jul 25 01:26:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	606291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	925929	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	825114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	417064	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	433684	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	7.59	113	377205	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	10.09	98	1385947	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.40	95	452195	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	187144	21.48	ug/l	98
3) Chloromethane	2.06	50	189356	20.00	ug/l	99
4) Vinyl Chloride	2.18	62	200208	20.08	ug/l	99
5) Bromomethane	2.56	94	114555	20.09	ug/l	99
6) Chloroethane	2.70	64	114937	19.19	ug/l	97
7) Trichlorofluoromethane	3.01	101	254945	19.74	ug/l	98
8) Diethyl Ether	3.41	74	86041	19.98	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	149655	19.27	ug/l	100
10) Methyl Iodide	3.95	142	189220	18.98	ug/l	100
11) Tert butyl alcohol	4.81	59	64086	102.96	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	134619	19.26	ug/l	97
13) Acrolein	3.61	56	46694	93.37	ug/l	99
14) Allyl chloride	4.32	41	211362	19.51	ug/l	99
15) Acrylonitrile	5.00	53	282046	103.87	ug/l	99
16) Acetone	3.82	43	213943	104.85	ug/l	98
17) Carbon Disulfide	4.05	76	409145	19.11	ug/l	100
18) Methyl Acetate	4.33	43	185377	23.04	ug/l	100
19) Methyl tert-butyl Ether	5.06	73	381403	20.48	ug/l	98
20) Methylene Chloride	4.55	84	158685	20.42	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	143314	19.35	ug/l	94
22) Diisopropyl ether	5.96	45	448573	20.88	ug/l	96
23) Vinyl Acetate	5.90	43	1537946	101.29	ug/l	98
24) 1,1-Dichloroethane	5.85	63	274148	19.51	ug/l	100
25) 2-Butanone	6.85	43	338789	105.00	ug/l	99
26) 2,2-Dichloropropane	6.83	77	178993	16.75	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	157357	19.74	ug/l	99
28) Bromochloromethane	7.20	49	117004	18.26	ug/l	99
29) Tetrahydrofuran	7.22	42	218686	104.89	ug/l	99
30) Chloroform	7.37	83	278910	19.45	ug/l	98
31) Cyclohexane	7.66	56	228659	19.58	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	239171	19.50	ug/l	100
36) 1,1-Dichloropropene	7.80	75	200976	19.27	ug/l	99
37) Ethyl Acetate	6.94	43	145655	20.03	ug/l	99
38) Carbon Tetrachloride	7.78	117	210245	18.99	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.09	83	204282	19.04	ug/l	99
40) Benzene	8.05	78	622723	19.62	ug/l	99
41) Methacrylonitrile	7.18	41	70466	20.33	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	203791	19.24	ug/l	99
43) Isopropyl Acetate	8.17	43	311538	22.09	ug/l	93
44) Trichloroethene	8.84	130	161429	18.93	ug/l	99
45) 1,2-Dichloropropane	9.12	63	161466	19.20	ug/l	100
46) Dibromomethane	9.21	93	103336	19.79	ug/l	98
47) Bromodichloromethane	9.41	83	209585	19.02	ug/l	95
48) Methyl methacrylate	9.20	41	128064	20.44	ug/l	100
49) 1,4-Dioxane	9.21	88	36563	428.92	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	750208	104.93	ug/l	99
52) Toluene	10.16	92	378178	20.18	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	201426	19.37	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	229078	19.28	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	145738	19.61	ug/l	99
56) Ethyl methacrylate	10.43	69	177227	18.92	ug/l	99
57) 1,3-Dichloropropane	10.71	76	239836	19.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	421609	95.10	ug/l	100
59) 2-Hexanone	10.76	43	501465	98.65	ug/l	99
60) Dibromochloromethane	10.90	129	163454	19.86	ug/l	100
61) 1,2-Dibromoethane	11.01	107	143798	19.50	ug/l	98
64) Tetrachloroethene	10.63	164	155841	19.64	ug/l	100
65) Chlorobenzene	11.44	112	398385	19.11	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	153814	19.21	ug/l	99
67) Ethyl Benzene	11.52	91	663004	19.80	ug/l	100
68) m/p-Xylenes	11.63	106	520032	41.06	ug/l	100
69) o-Xylene	11.95	106	247009	20.46	ug/l	97
70) Styrene	11.97	104	393522	18.91	ug/l	100
71) Bromoform	12.13	173	112450	19.30	ug/l #	98
73) Isopropylbenzene	12.25	105	653004	20.19	ug/l	100
74) N-amyl acetate	12.07	43	197655	19.99	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	192574	21.27	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	155019m	20.00	ug/l	
77) Bromobenzene	12.53	156	174840	19.50	ug/l	99
78) n-propylbenzene	12.59	91	742972	20.55	ug/l	100
79) 2-Chlorotoluene	12.68	91	459042	20.49	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	535855	21.06	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	46398	18.99	ug/l	94
82) 4-Chlorotoluene	12.78	91	454045	20.46	ug/l	100
83) tert-Butylbenzene	13.00	119	455219	20.50	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	551011	21.49	ug/l	99
85) sec-Butylbenzene	13.17	105	613553	20.68	ug/l	100
86) p-Isopropyltoluene	13.29	119	521441	20.86	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	299809	19.73	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	291457	19.68	ug/l	99
89) n-Butylbenzene	13.62	91	405503	19.73	ug/l	99
90) Hexachloroethane	13.88	117	102029	18.38	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	297230	19.57	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30971	21.02	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	133813	18.67	ug/l	97
94) Hexachlorobutadiene	15.01	225	88731	19.08	ug/l	99
95) Naphthalene	15.14	128	309172	19.21	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	143934	19.74	ug/l	99

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

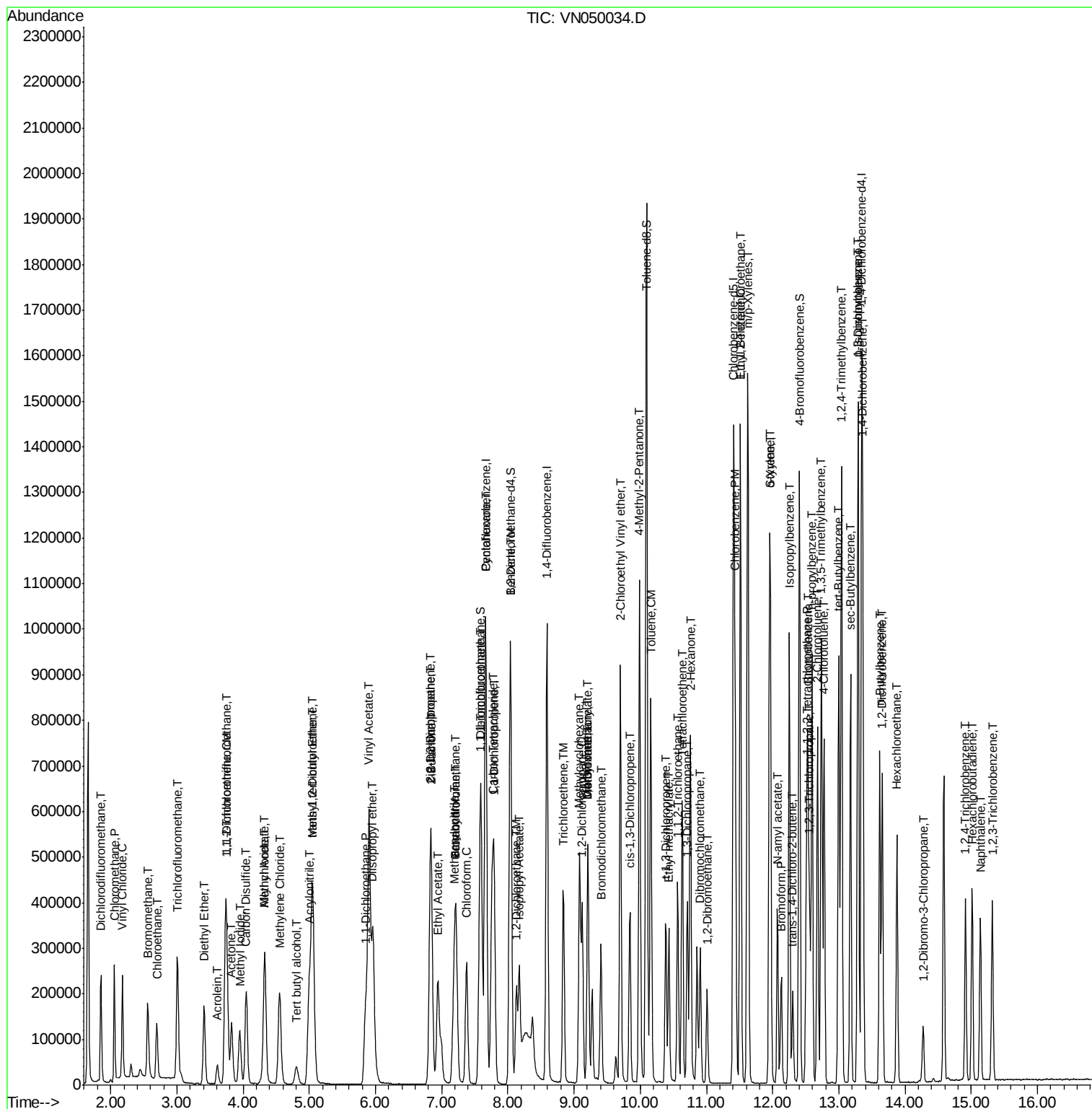
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
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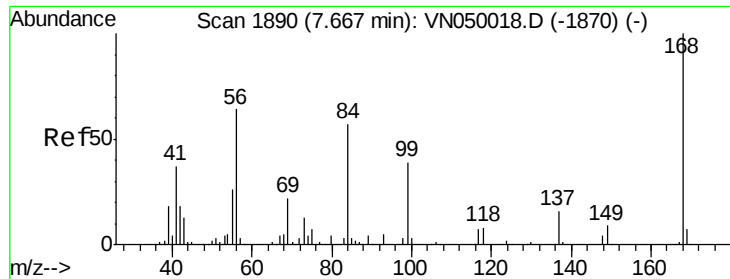
Instrument :
MSVOA_N
Client Sample Id :
VN0724WBSD01

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion:168 Resp: 606291

Ion Ratio Lower Upper

168 100

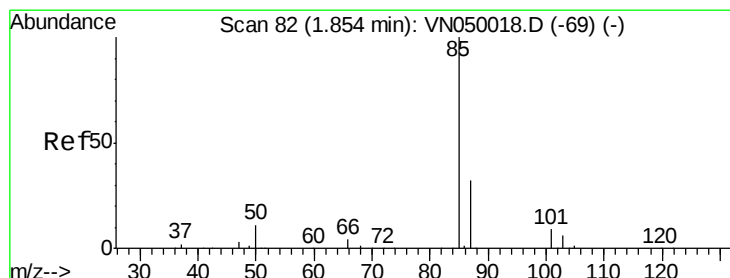
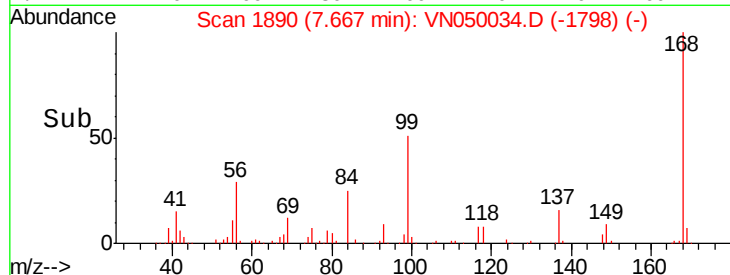
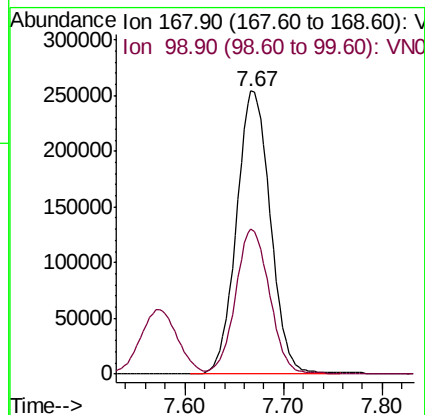
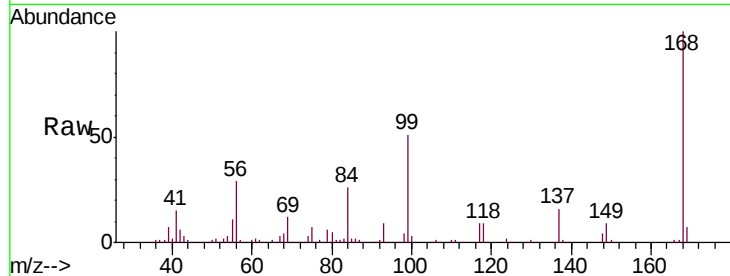
99 51.1 40.0 60.0

Manual Integrations

APPROVED

MMDadoda

7/27/2018 12:32:40 PM



#2

Dichlorodifluoromethane

Concen: 21.48 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050034.D

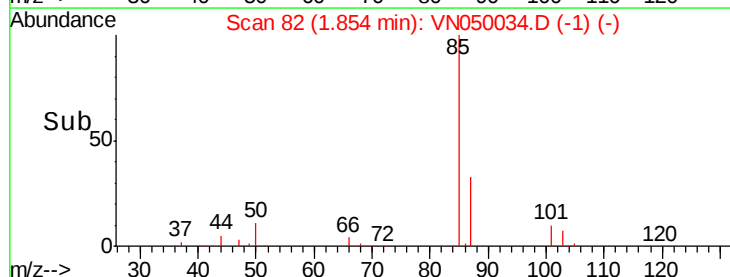
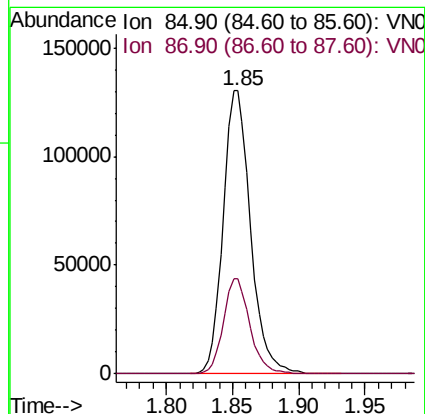
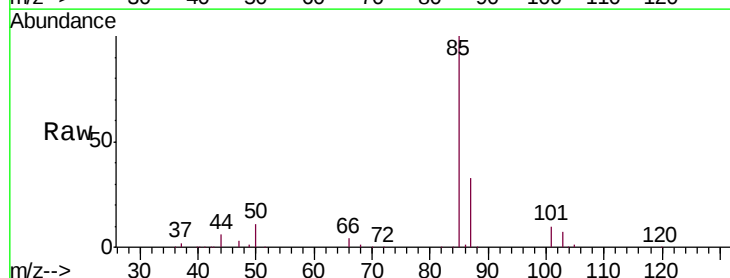
Acq: 24 Jul 2018 20:53

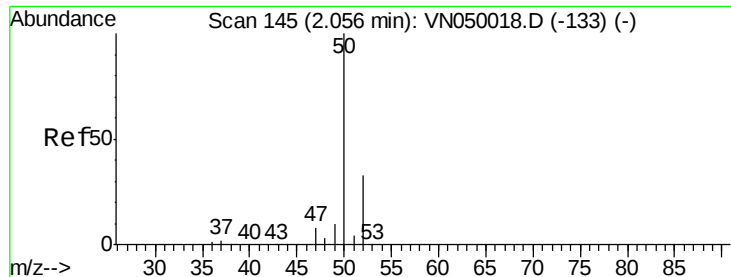
Tgt Ion: 85 Resp: 187144

Ion Ratio Lower Upper

85 100

87 33.5 16.1 48.3





#3

Chloromethane

Concen: 20.00 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

ClientSampled :

VN0724WBSD01

Tot Ion: 50 Resp: 189356

Ion Ratio Lower Upper

50 100

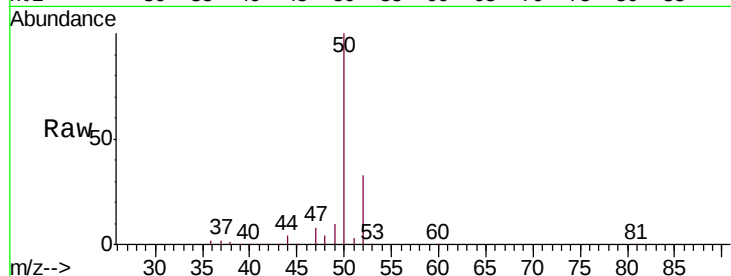
52 33.1 25.9 38.9

Manual Integrations

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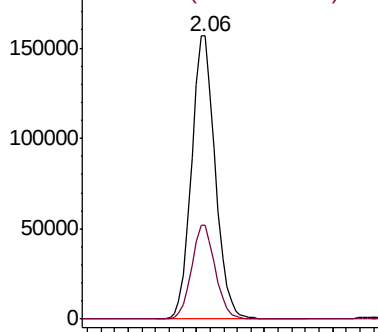
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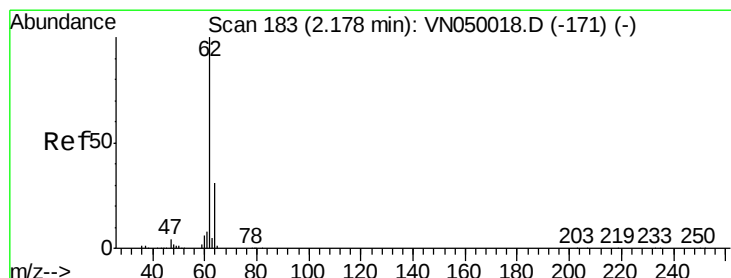
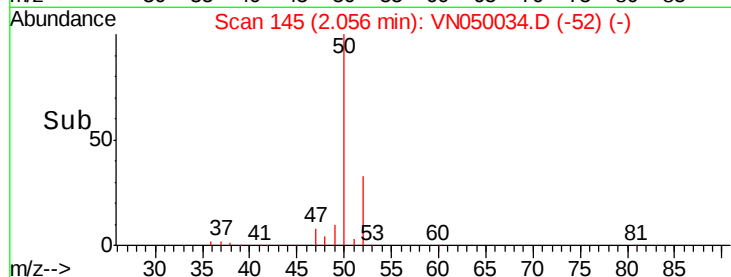


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 20.08 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050034.D

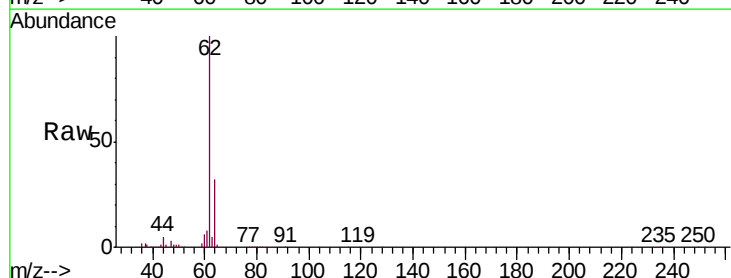
Acq: 24 Jul 2018 20:53

Tgt Ion: 62 Resp: 200208

Ion Ratio Lower Upper

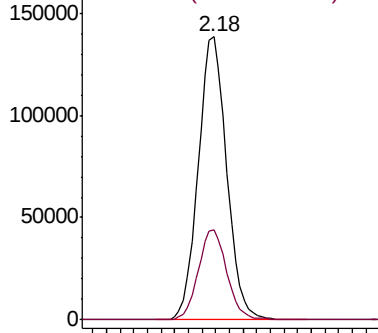
62 100

64 31.7 24.7 37.1

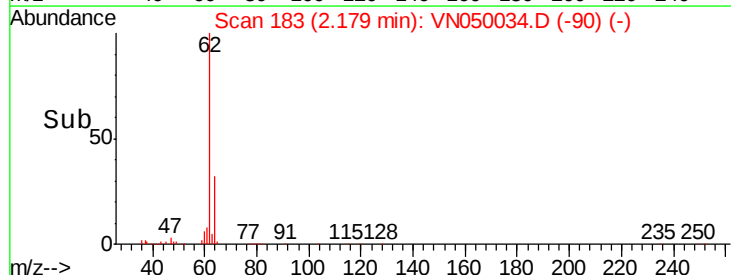


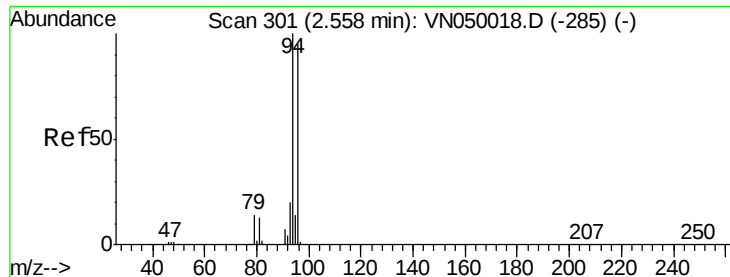
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 20.09 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

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VN0724WBSD01

Tot Ion: 94 Resp: 114555

Ion Ratio Lower Upper

94 100

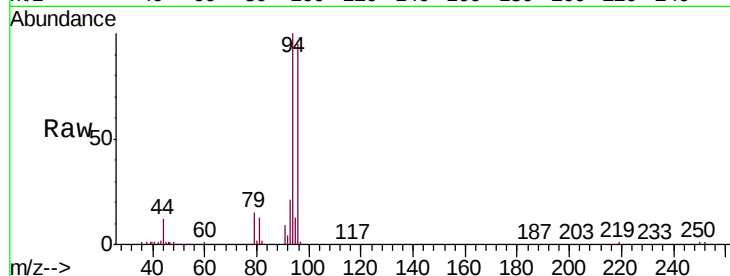
96 94.5 74.6 112.0

Manual Integrations

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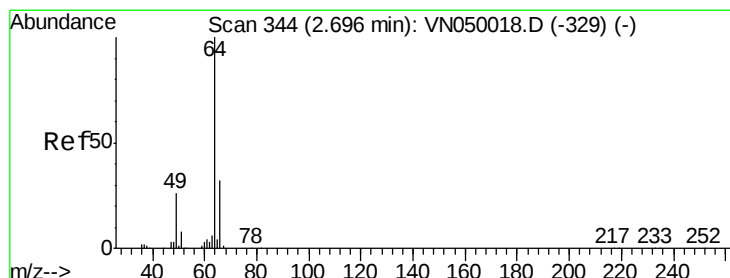
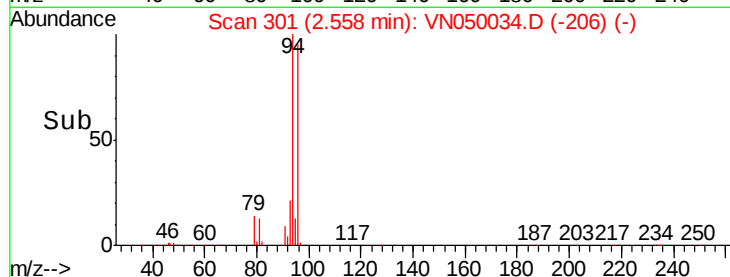
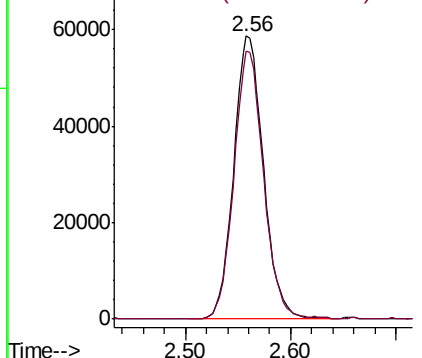
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.19 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050034.D

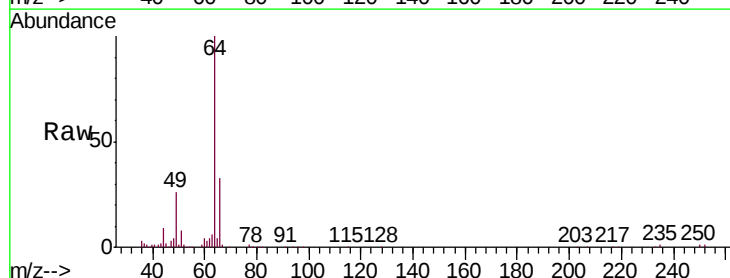
Acq: 24 Jul 2018 20:53

Tgt Ion: 64 Resp: 114937

Ion Ratio Lower Upper

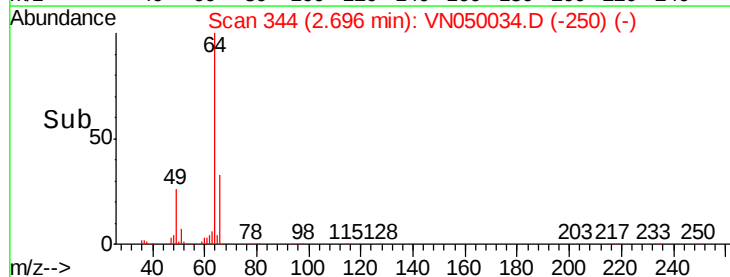
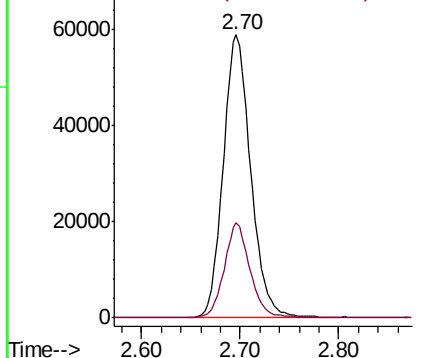
64 100

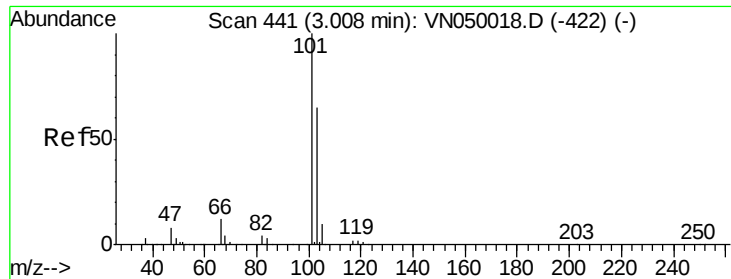
66 33.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.74 ug/l

RT: 3.01 min Scan# 441

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion:101 Resp: 254945

Ion Ratio Lower Upper

101 100

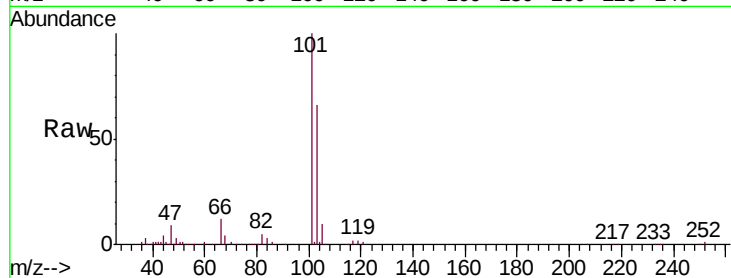
103 66.3 51.7 77.5

Manual Integrations

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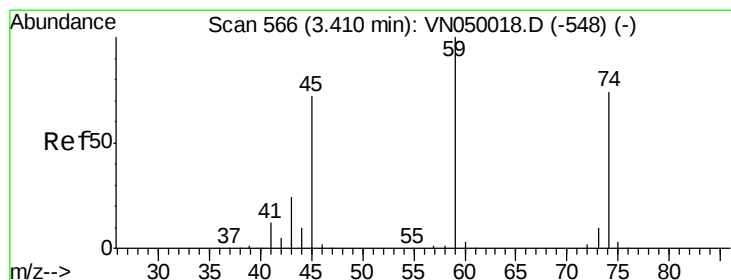
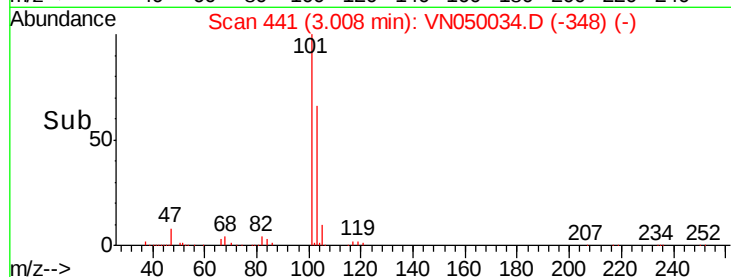
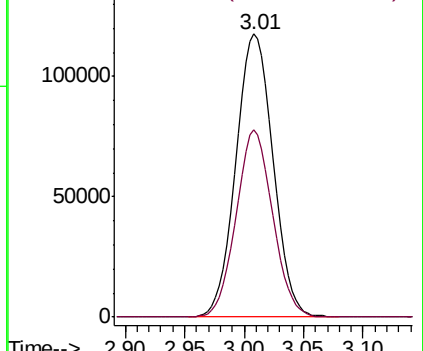
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.98 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050034.D

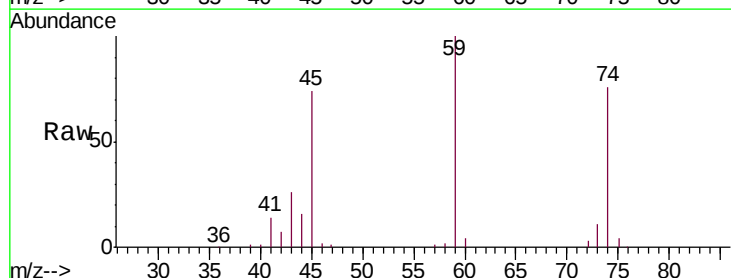
Acq: 24 Jul 2018 20:53

Tgt Ion: 74 Resp: 86041

Ion Ratio Lower Upper

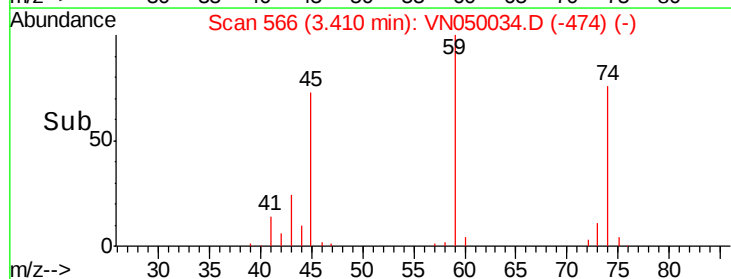
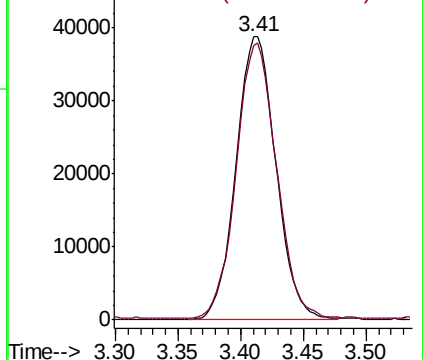
74 100

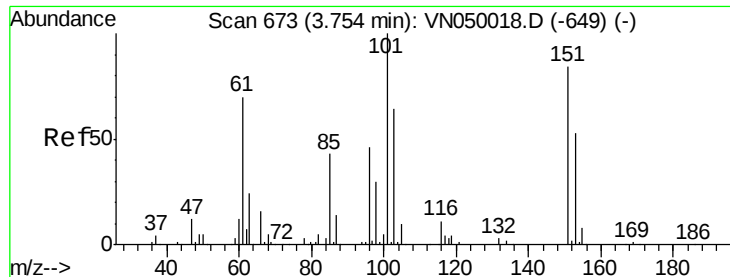
45 98.0 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.27 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

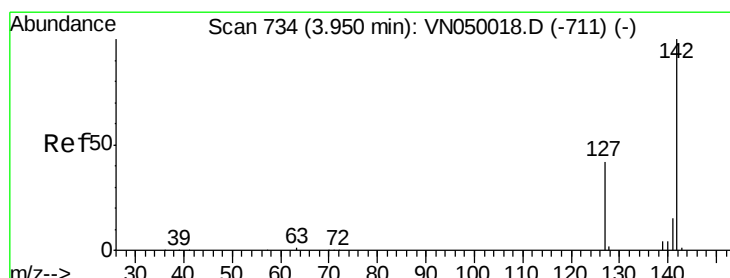
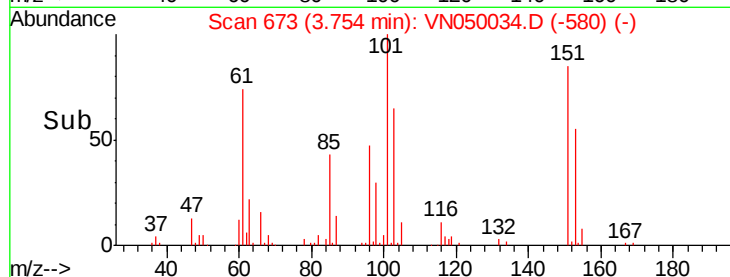
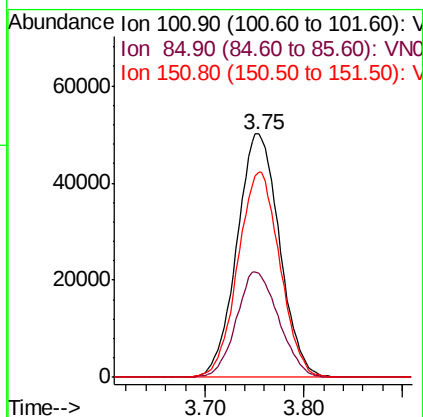
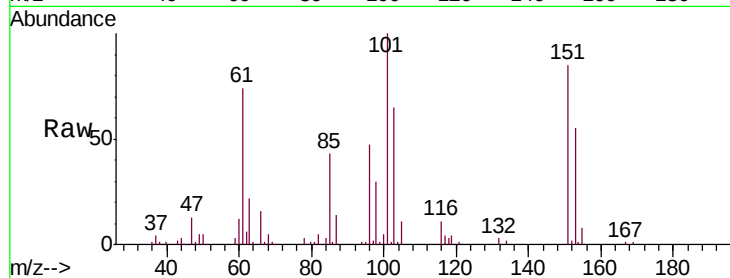
ClientSampleId :

VN0724WBSD01

Tot Ion:	101	Resp:	149655
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.2	51.2
151	83.3	66.3	99.5

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#10

Methyl Iodide

Concen: 18.98 ug/l

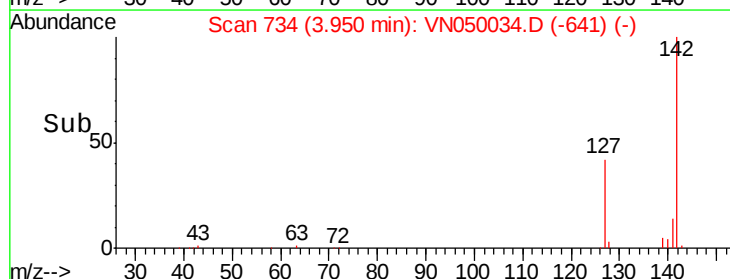
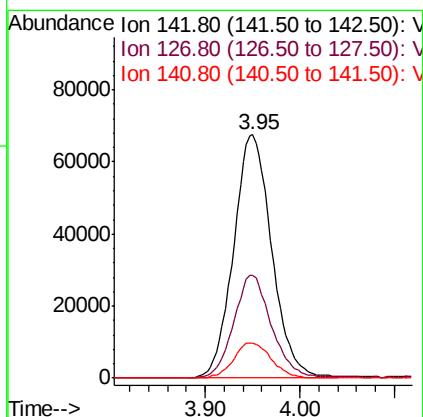
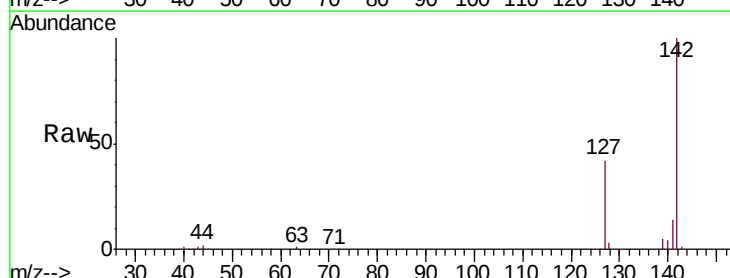
RT: 3.95 min Scan# 734

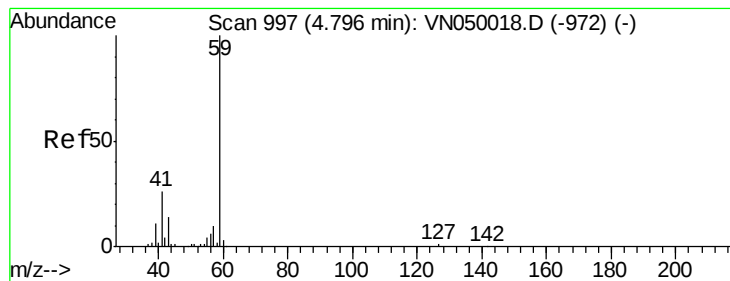
Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Tgt Ion:	142	Resp:	189220
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.4	50.2
141	14.4	11.6	17.4





#11

Tert butyl alcohol

Concen: 102.96 ug/l

RT: 4.81 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 59 Resp: 64086

Ion Ratio Lower Upper

59 100

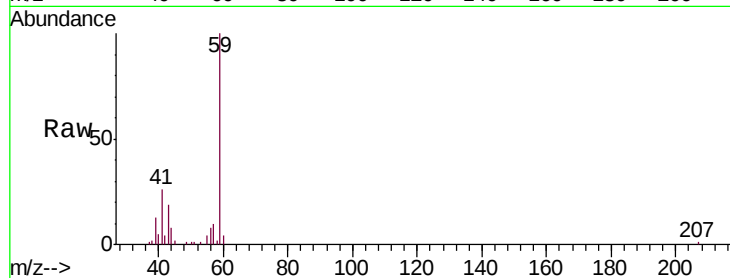
57 6.6 8.5 12.7#

Manual Integrations

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Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

20000

15000

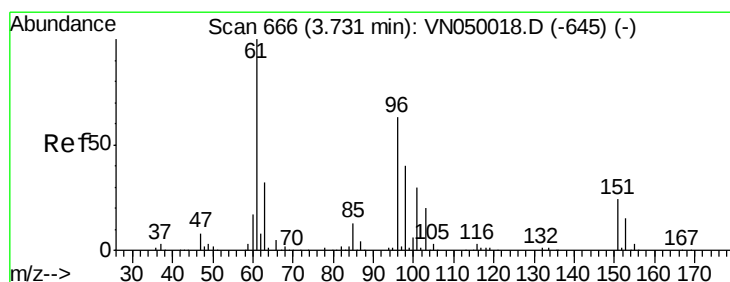
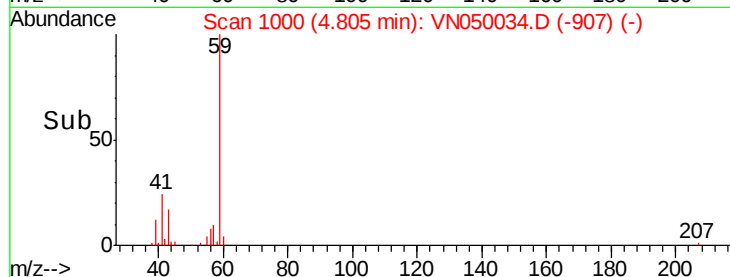
10000

5000

0

4.70 4.80 4.90

Time-->



#12

1,1-Dichloroethene

Concen: 19.26 ug/l

RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

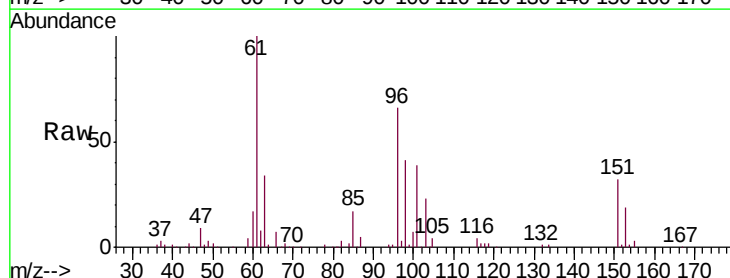
Tgt Ion: 96 Resp: 134619

Ion Ratio Lower Upper

96 100

61 152.6 124.4 186.6

98 63.2 48.3 72.5



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

100000

80000

60000

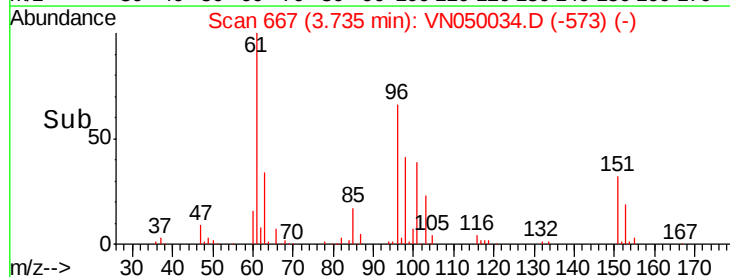
40000

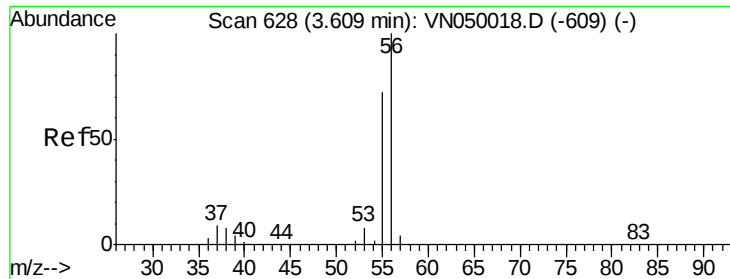
20000

0

3.70 3.80

Time-->





#13

Acrolein

Concen: 93.37 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 56 Resp: 46694

Ion Ratio Lower Upper

56 100

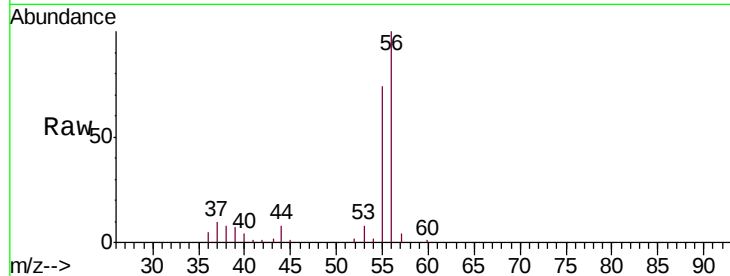
55 70.9 55.8 83.6

Manual Integrations

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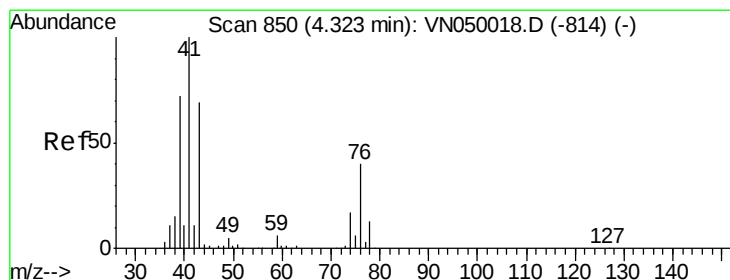
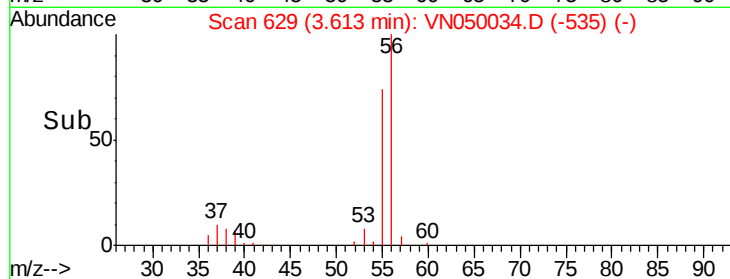
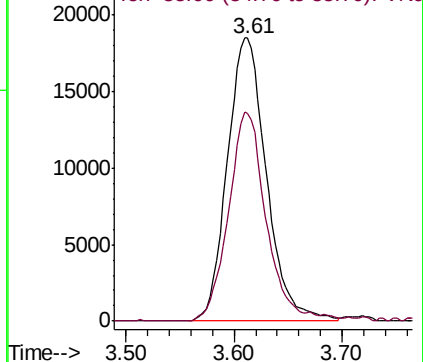
MMDadoda

7/27/2018 12:32:40 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.51 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

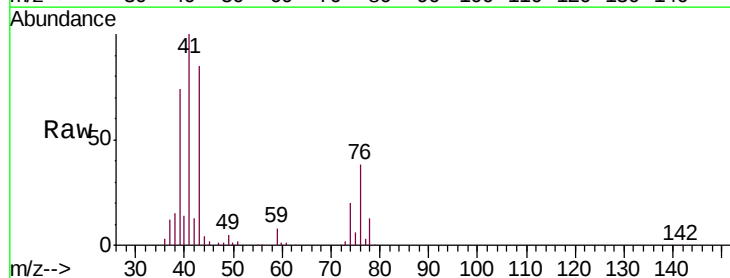
Tgt Ion: 41 Resp: 211362

Ion Ratio Lower Upper

41 100

39 68.2 54.2 81.4

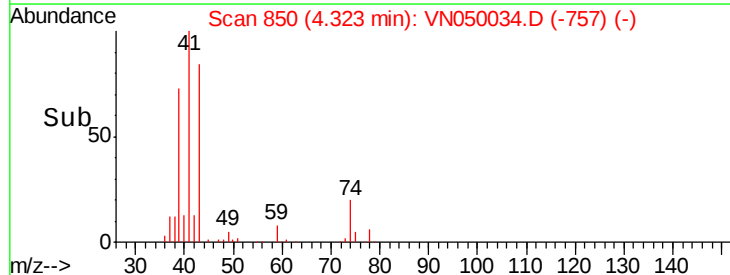
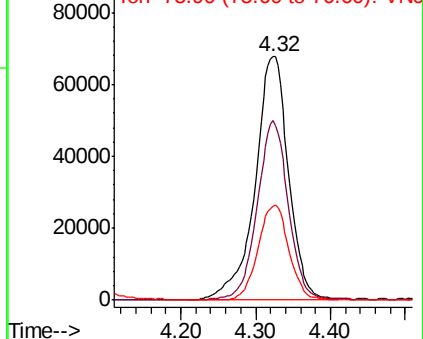
76 36.0 29.0 43.6

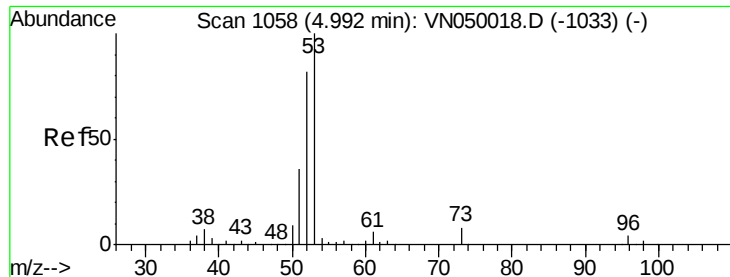


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





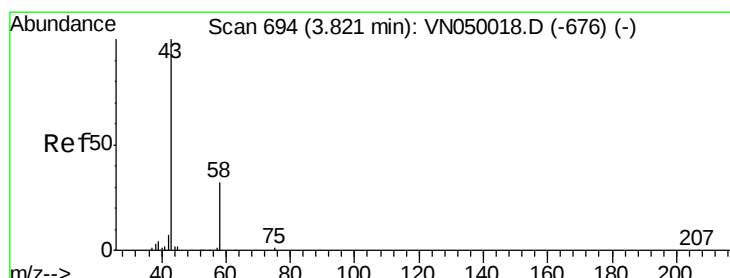
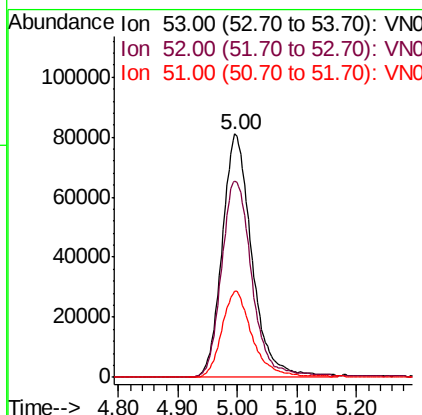
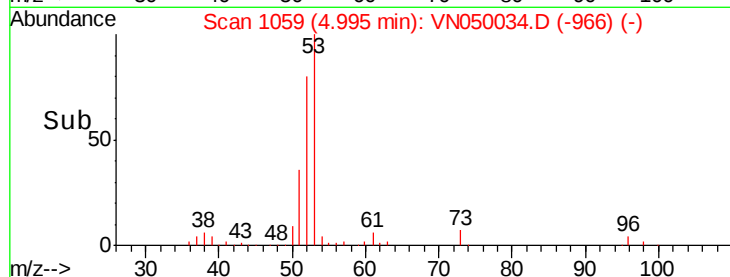
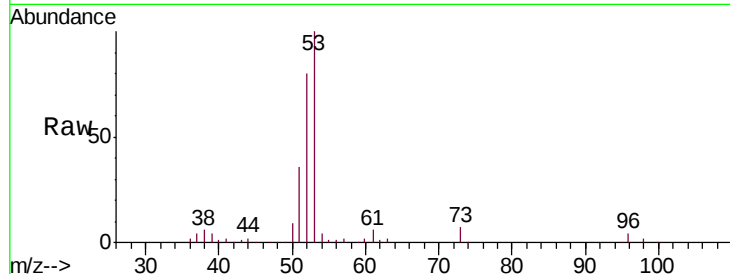
#15
 Acrylonitrile
 Concen: 103.87 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050034.D
 Acq: 24 Jul 2018 20:53

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.2	99.2
51	35.9	29.3	43.9

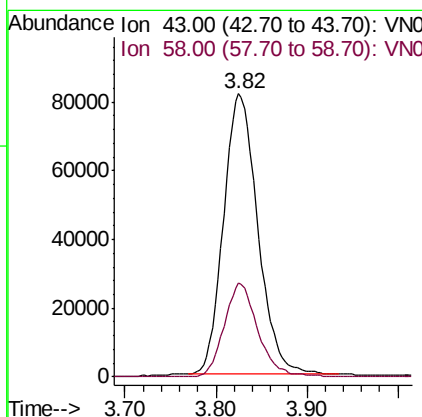
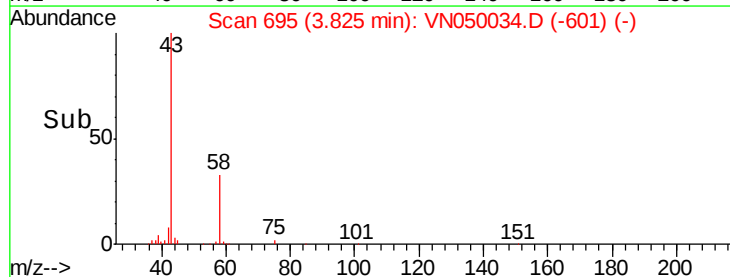
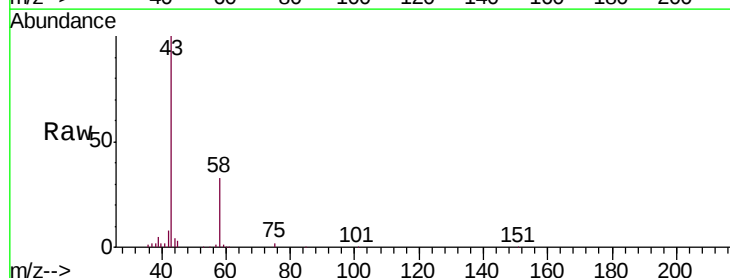
Manual Integrations
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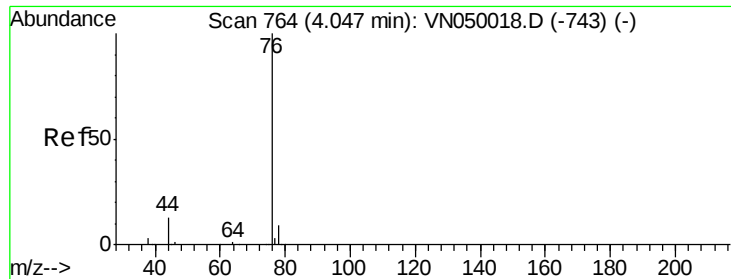
MMDadoda
 7/27/2018 12:32:40 PM



#16
 Acetone
 Concen: 104.85 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN050034.D
 Acq: 24 Jul 2018 20:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.2	25.8	38.8





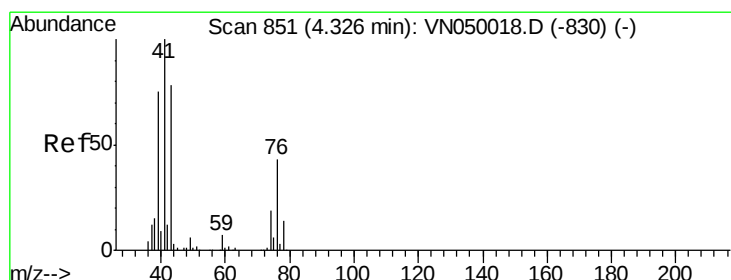
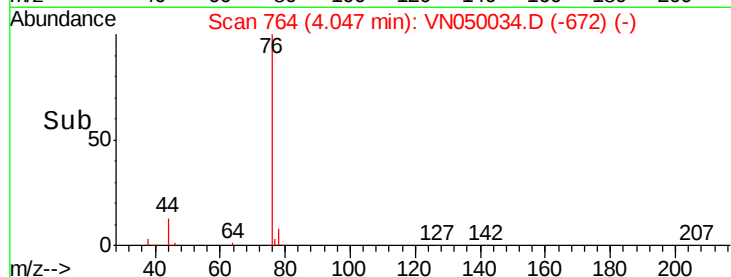
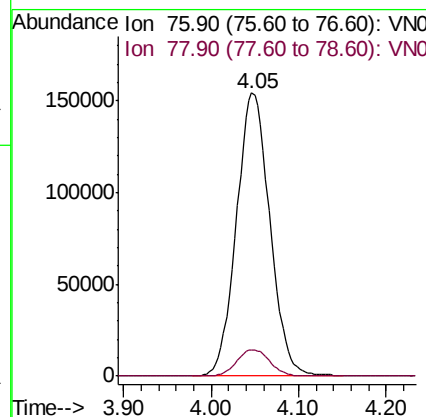
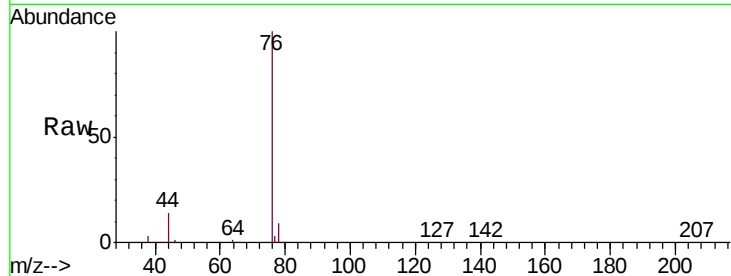
#17
Carbon Disulfide
Concen: 19.11 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

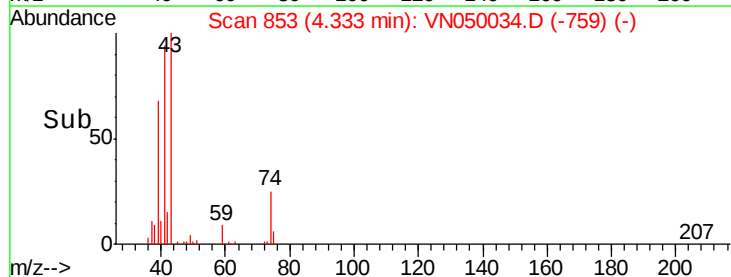
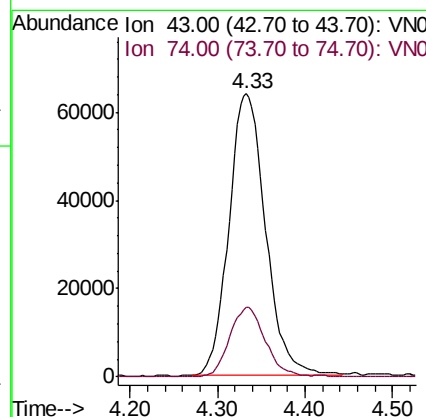
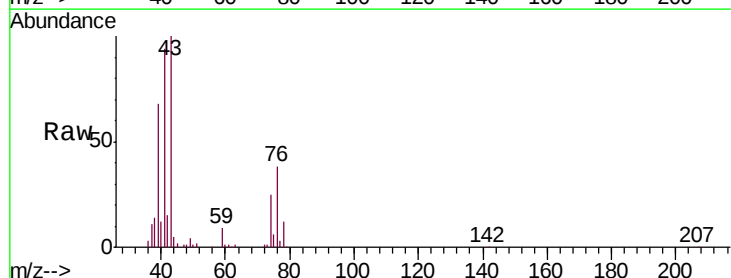
Manual Integrations
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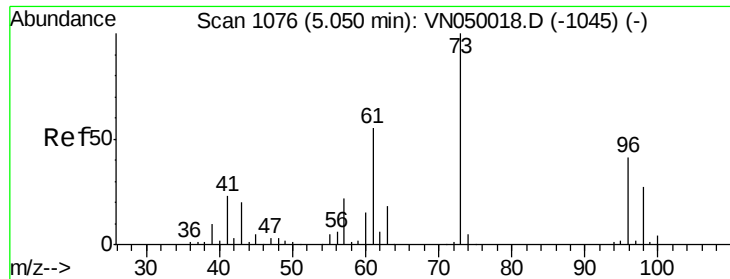
MMDadoda
7/27/2018 12:32:40 PM



#18
Methyl Acetate
Concen: 23.04 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8





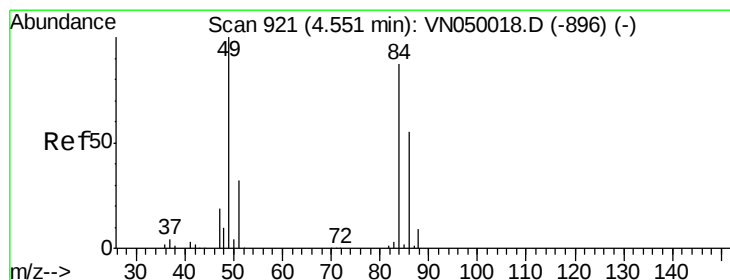
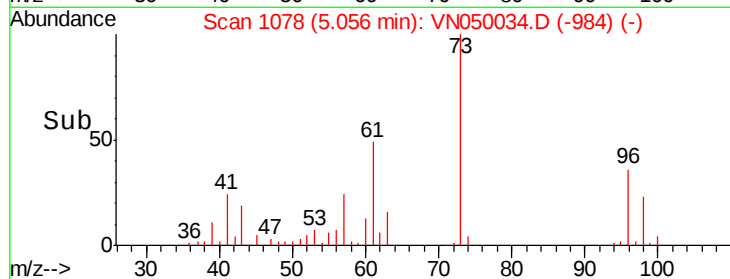
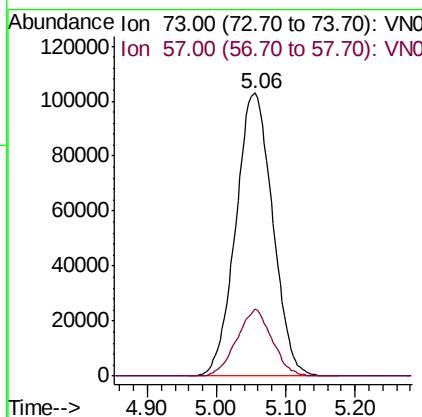
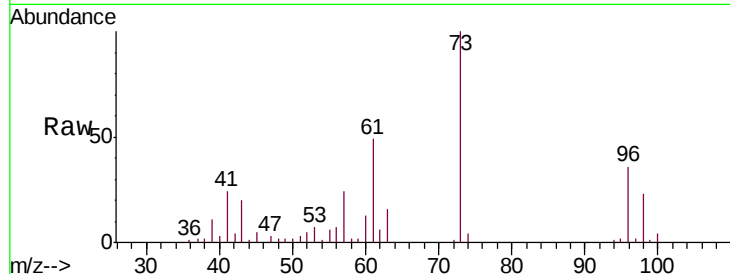
#19
Methvl tert-butvl Ether
Concen: 20.48 ug/l
RT: 5.06 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion: 73 Resp: 381403
Ion Ratio Lower Upper
73 100
57 23.5 18.0 27.0

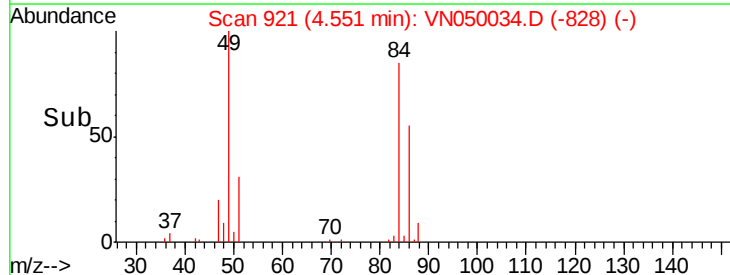
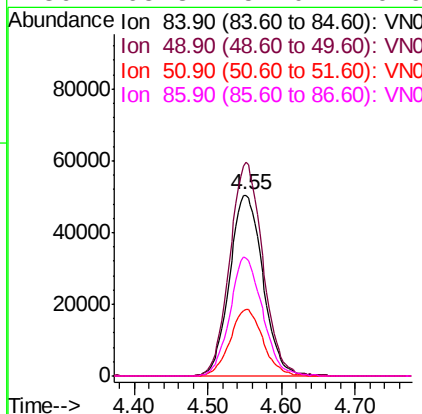
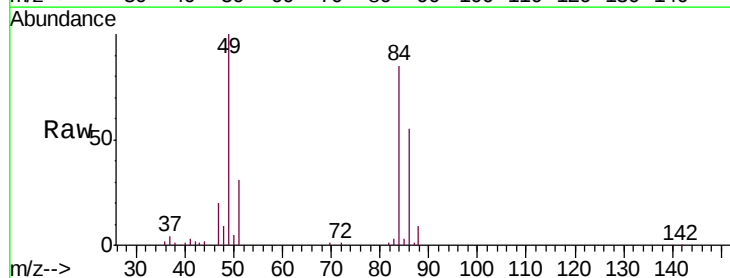
Manual Integrations
APPROVED

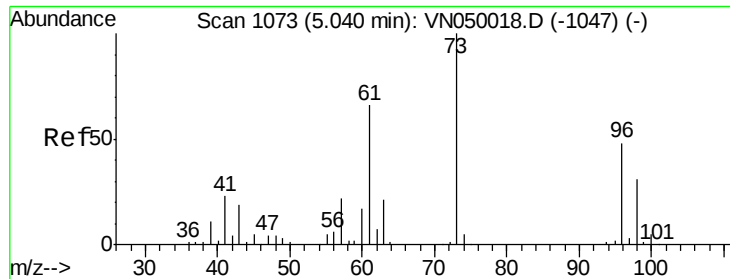
MMDadoda
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#20
Methylene Chloride
Concen: 20.42 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion: 84 Resp: 158685
Ion Ratio Lower Upper
84 100
49 118.1 94.8 142.2
51 36.8 28.3 42.5
86 65.3 51.0 76.6





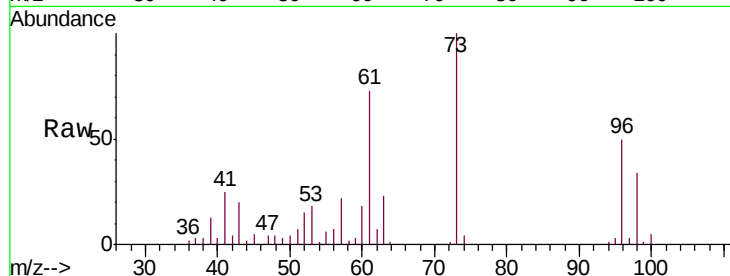
#21
trans-1,2-Dichloroethene
Concen: 19.35 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.9	110.7	166.1
98	67.7	51.6	77.4

Manual Integrations
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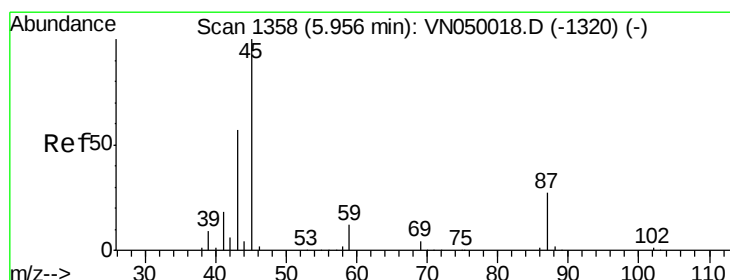
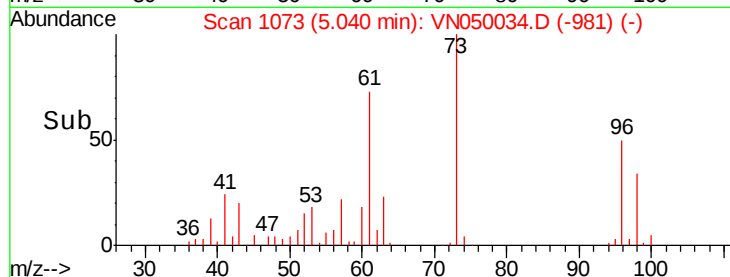
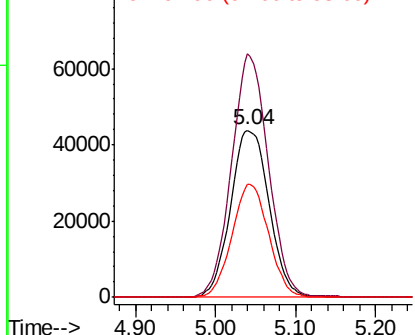


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 20.88 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.7	45.7	68.5
87	29.1	22.7	34.1
59	12.1	9.5	14.3

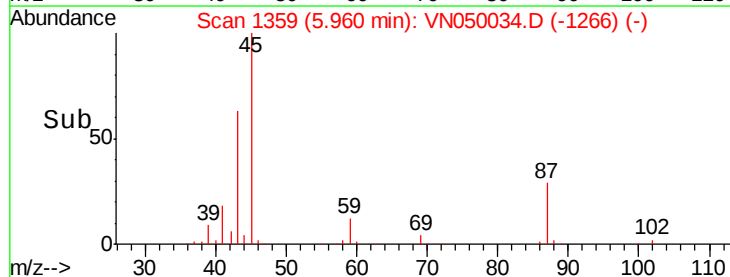
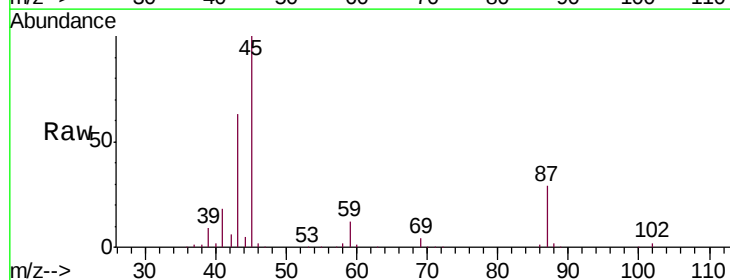
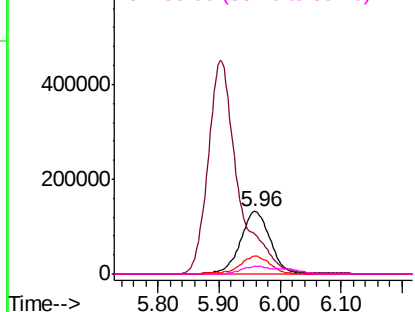
Abundance

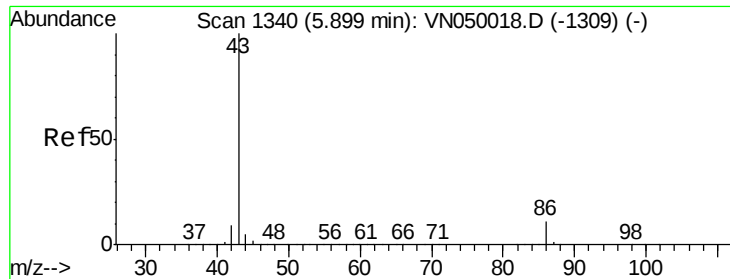
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





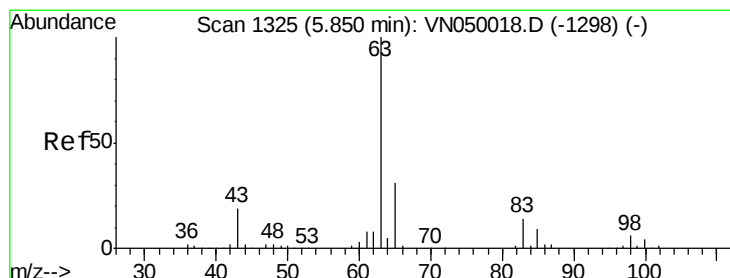
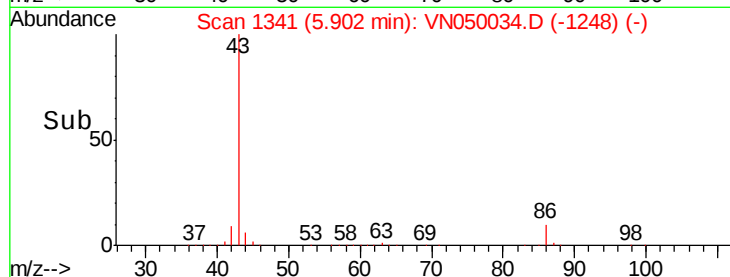
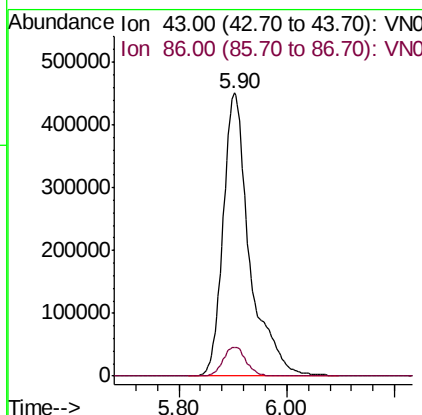
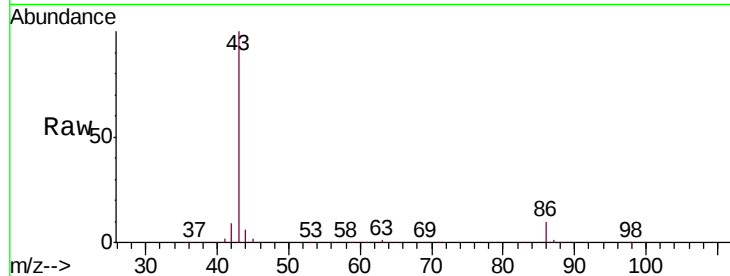
#23
 Vinyl Acetate
 Concen: 101.29 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050034.D
 Acq: 24 Jul 2018 20:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBSD01

Tot Ion: 43 Resp: 1537946
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.6 13.0

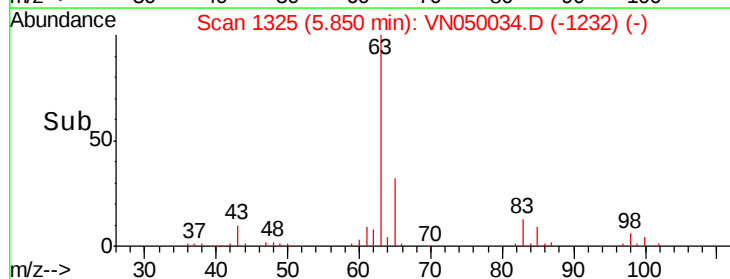
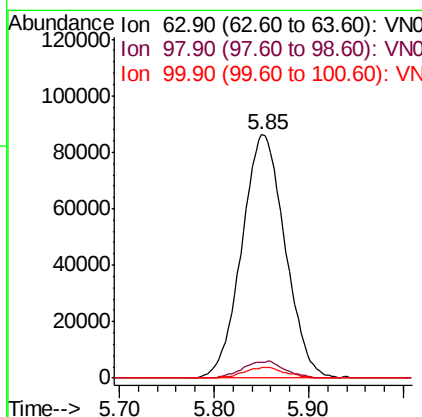
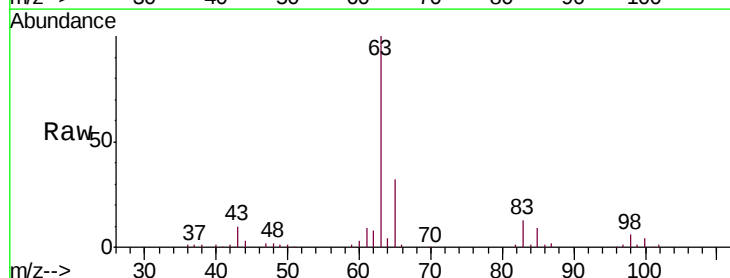
Manual Integrations
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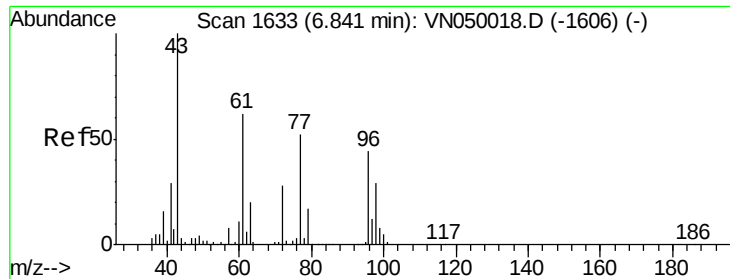
MMDadoda
 7/27/2018 12:32:40 PM



#24
 1,1-Dichloroethane
 Concen: 19.51 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050034.D
 Acq: 24 Jul 2018 20:53

Tgt Ion: 63 Resp: 274148
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.8
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 105.00 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 43 Resp: 338789

Ion Ratio Lower Upper

43 100

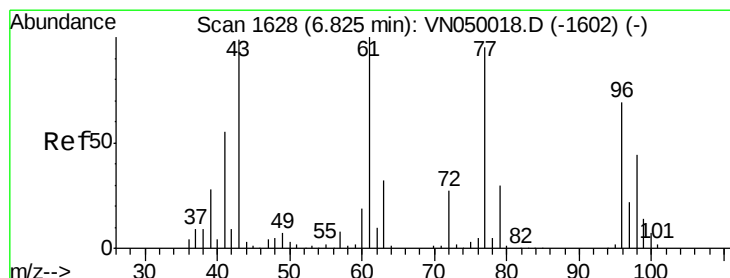
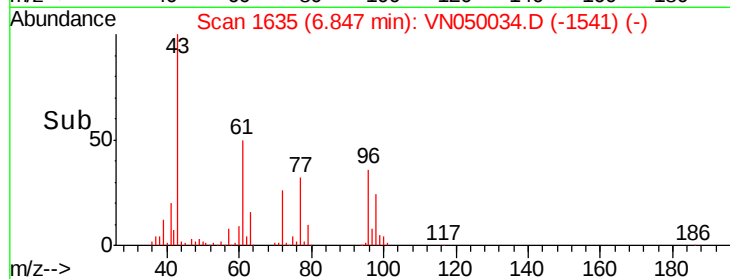
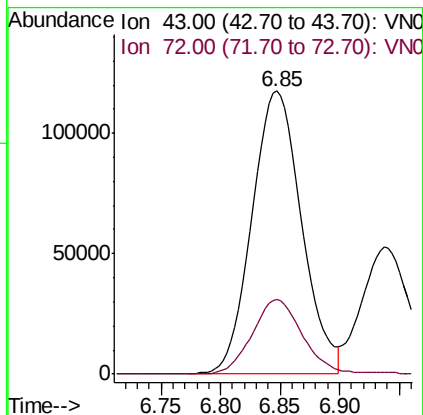
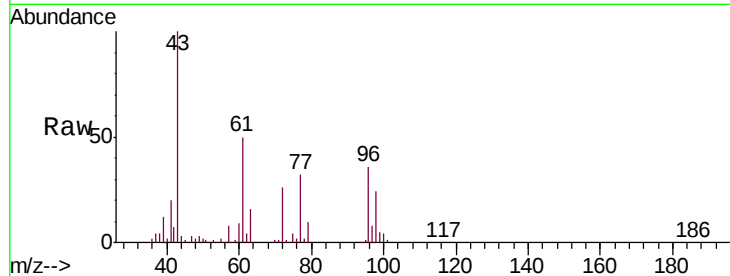
72 26.2 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.75 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050034.D

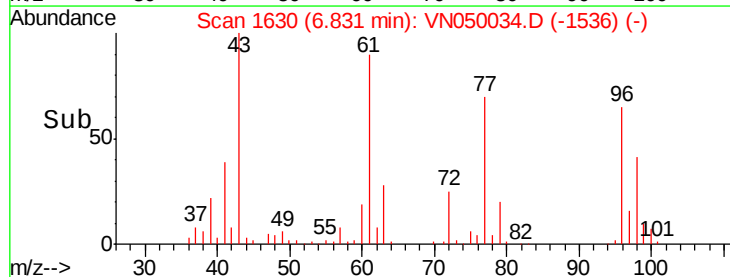
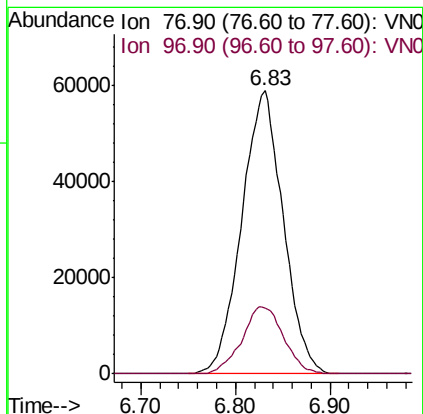
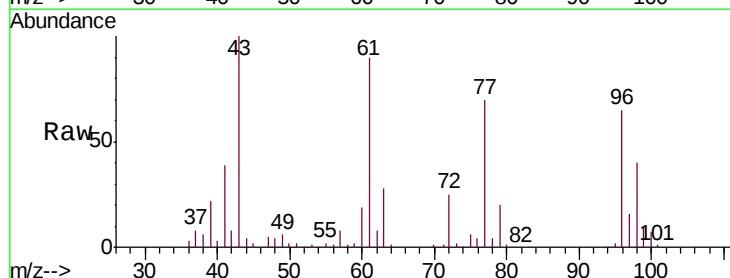
Acq: 24 Jul 2018 20:53

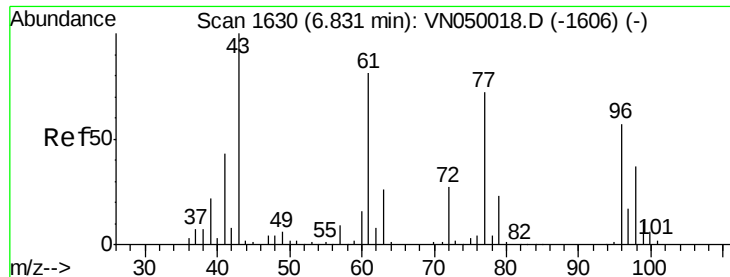
Tgt Ion: 77 Resp: 178993

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.74 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

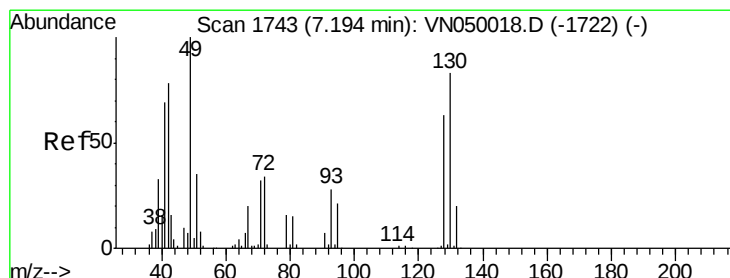
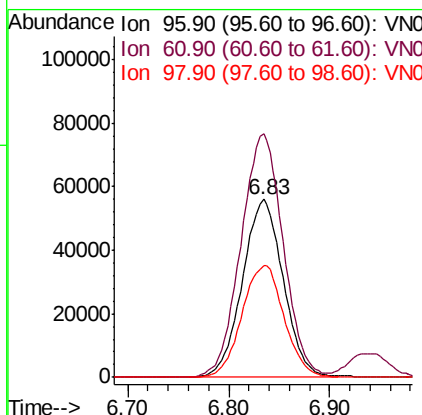
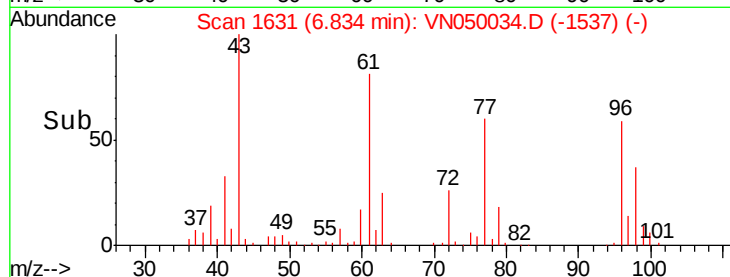
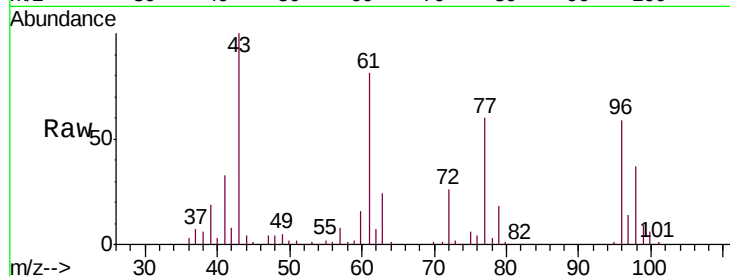
ClientSampled :

VN0724WBSD01

Tot Ion:	96	Resp:	157357
Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	285.0
98	65.0	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 18.26 ug/l

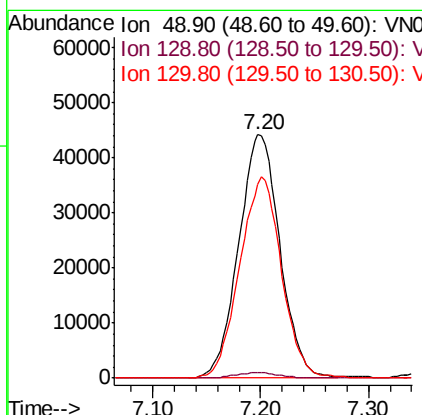
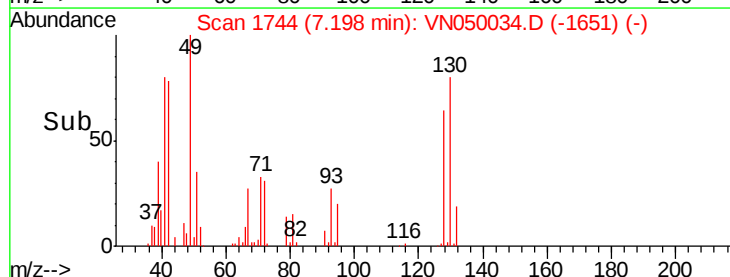
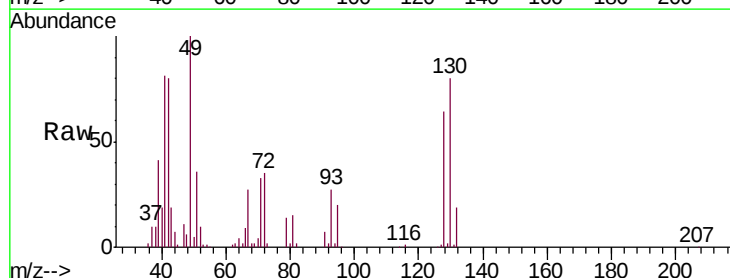
RT: 7.20 min Scan# 1744

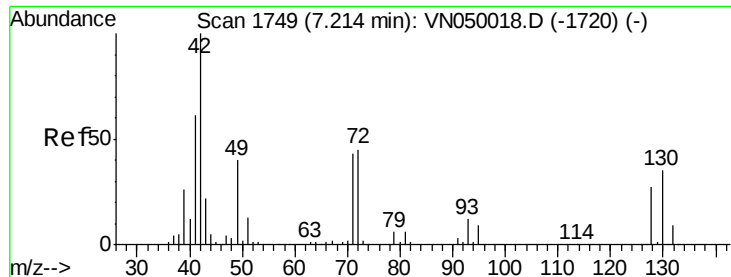
Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Tgt Ion:	49	Resp:	117004
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	83.7	66.3	99.5





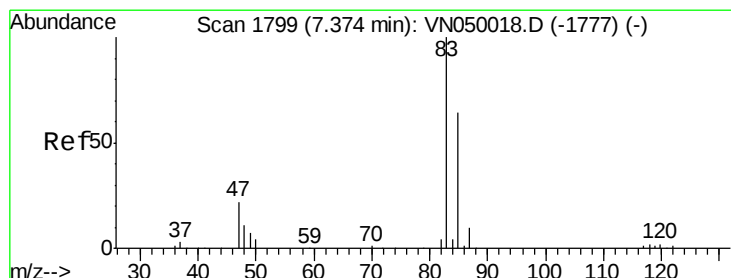
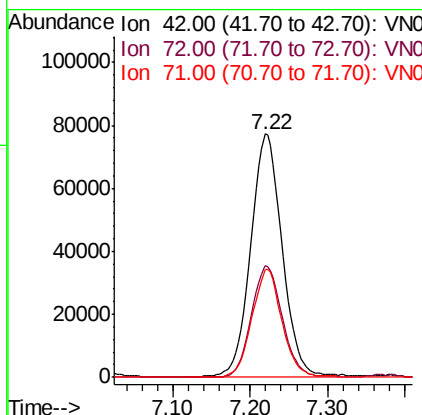
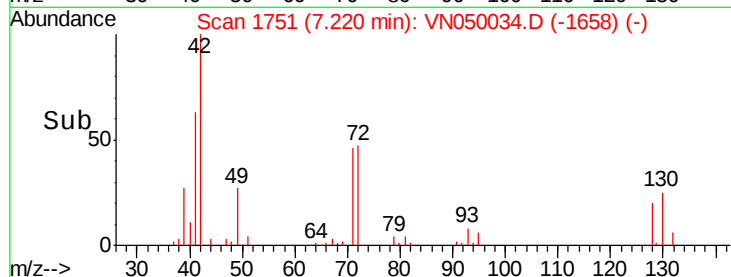
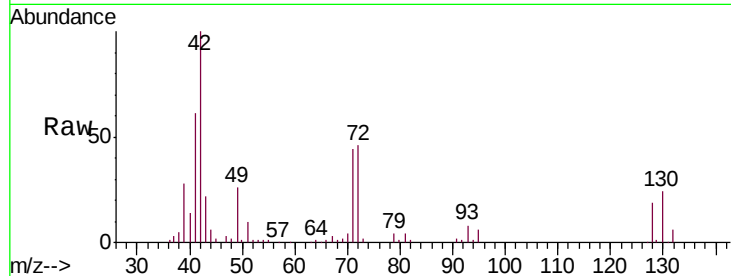
#29
Tetrahydrofuran
Concen: 104.89 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampled :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.9	53.9
71	42.6	33.7	50.5

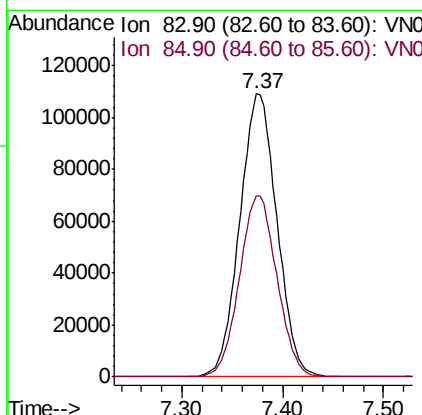
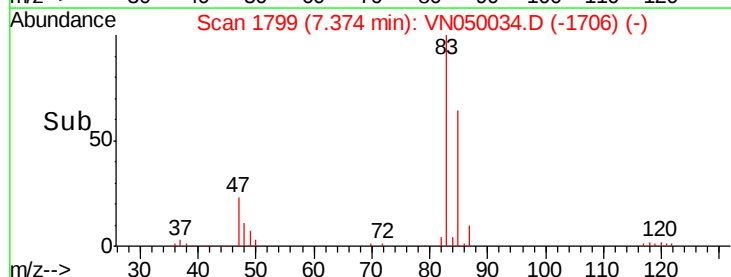
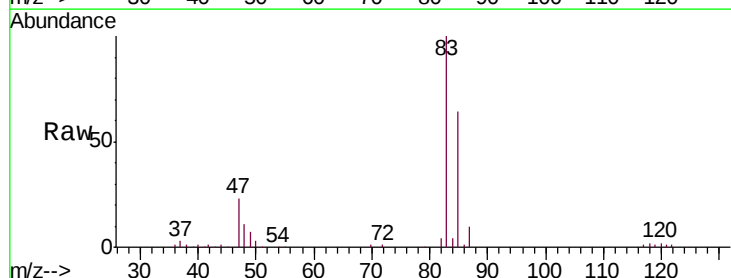
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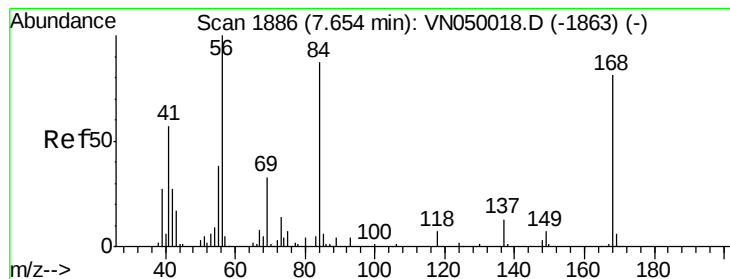
MMDadoda
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#30
Chloroform
Concen: 19.45 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.5	78.7





#31

Cyclohexane

Concen: 19.58 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

ClientSampled :

VN0724WBSD01

Tot Ion: 56 Resp: 228659

Ion Ratio Lower Upper

56 100

69 37.0 26.2 39.4

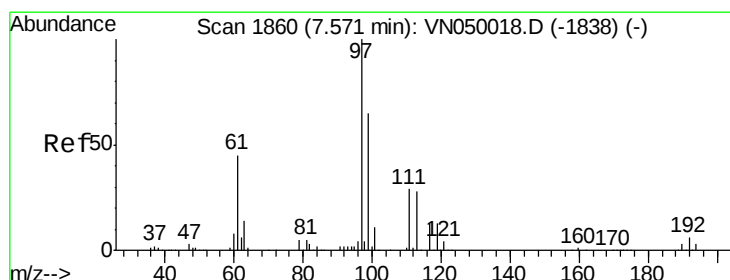
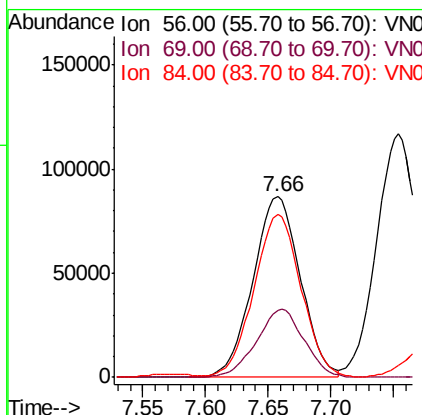
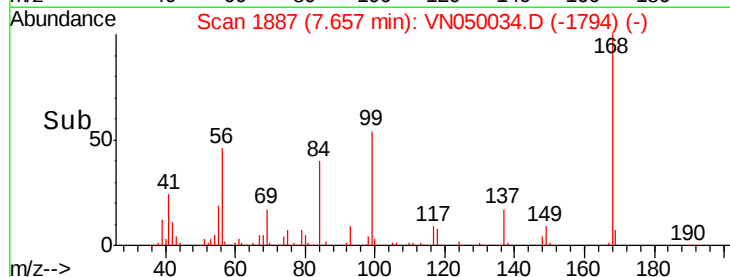
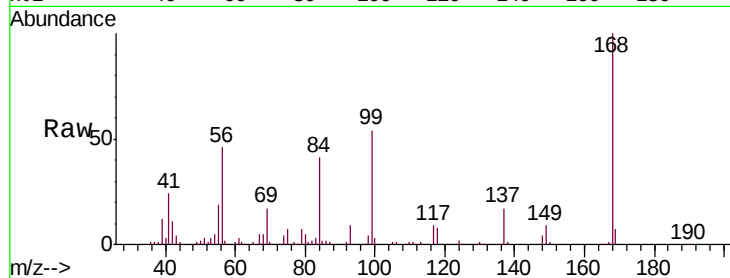
84 88.8 67.4 101.0

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#32

1,1,1-Trichloroethane

Concen: 19.50 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

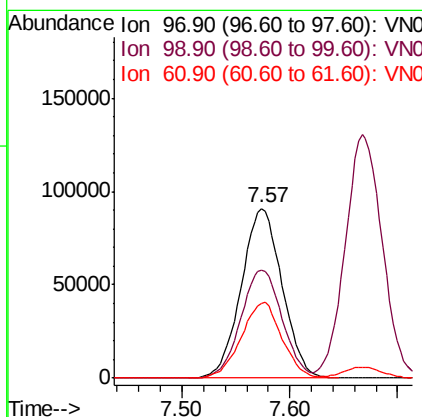
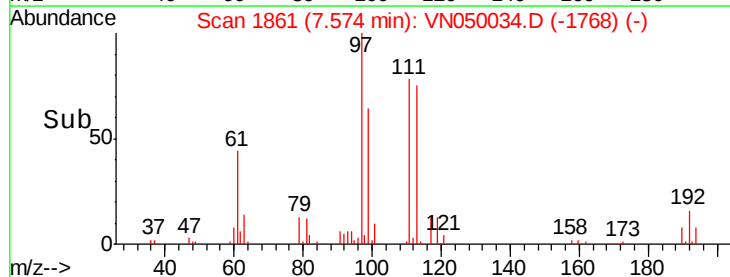
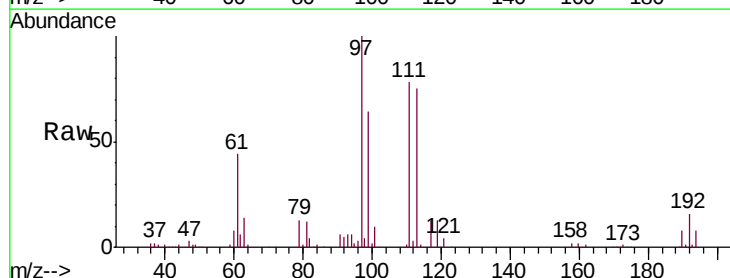
Tgt Ion: 97 Resp: 239171

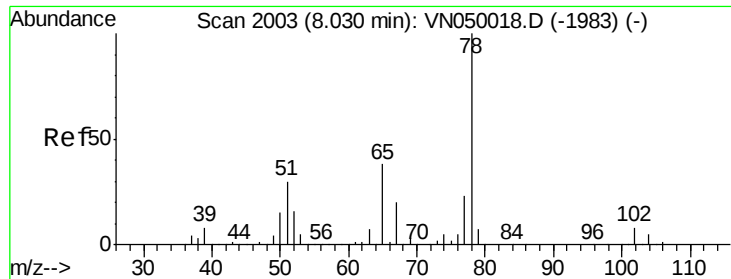
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 44.5 35.4 53.0





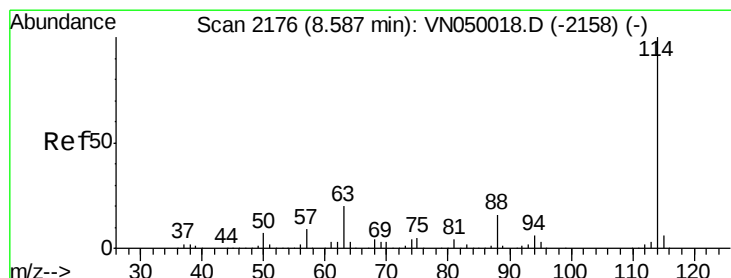
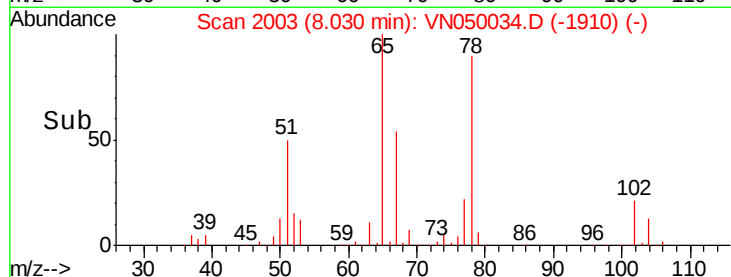
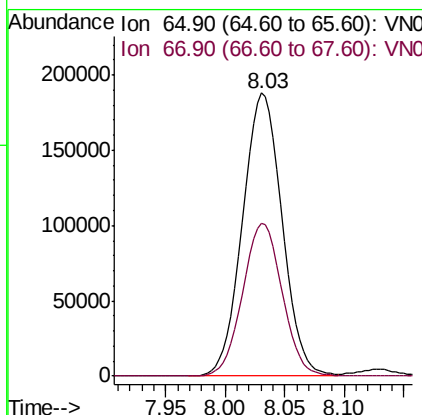
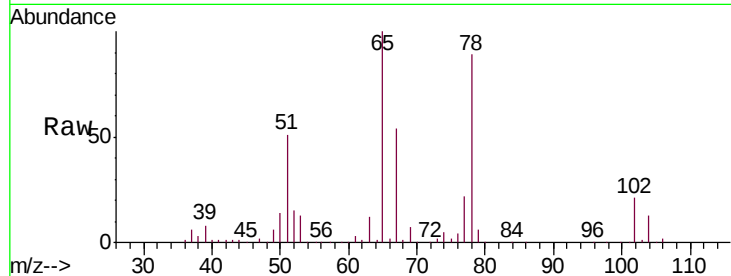
#33
 1,2-Dichloroethane-d4
 Concen: 51.27 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050034.D
 Acq: 24 Jul 2018 20:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBSD01

Tot Ion: 65 Resp: 433684
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.4

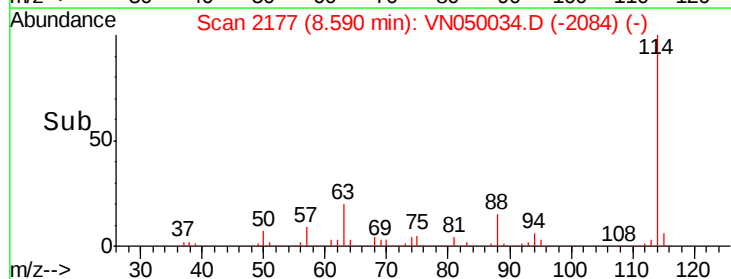
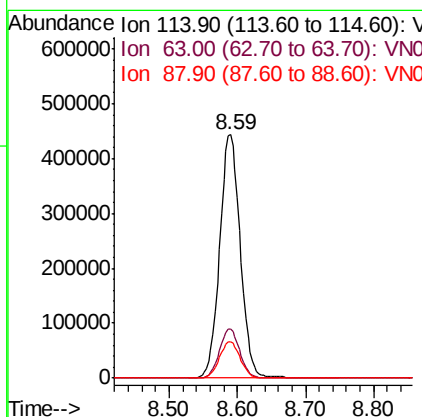
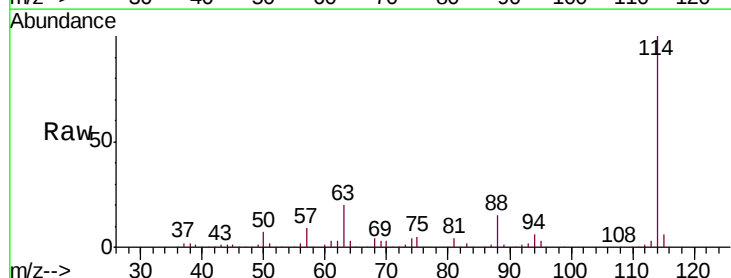
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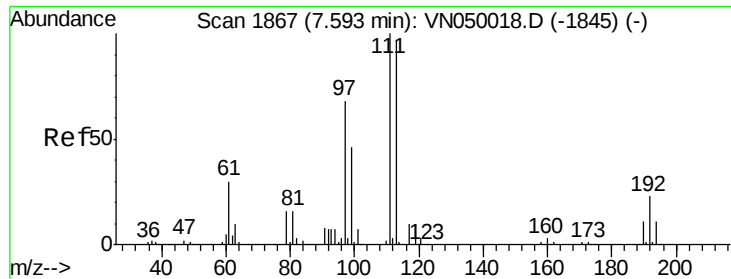
MMDadoda
 7/27/2018 12:32:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050034.D
 Acq: 24 Jul 2018 20:53

Tgt Ion: 114 Resp: 925929
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.0 0.0 31.2





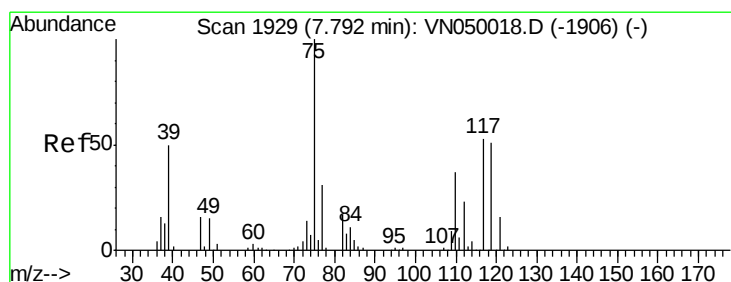
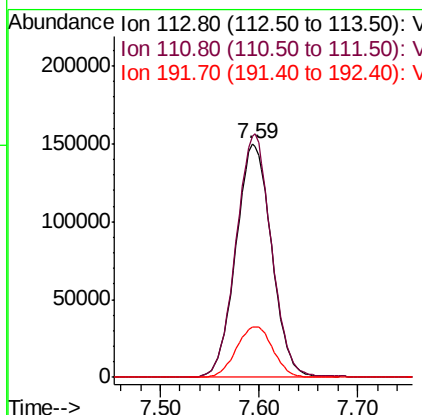
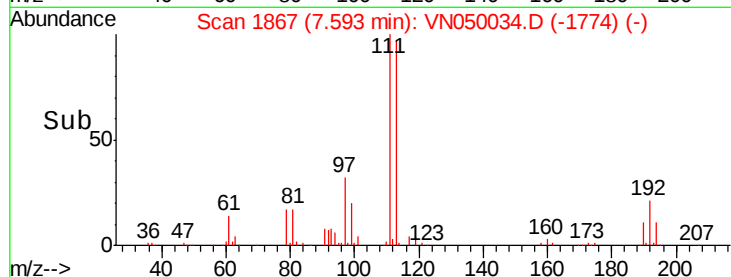
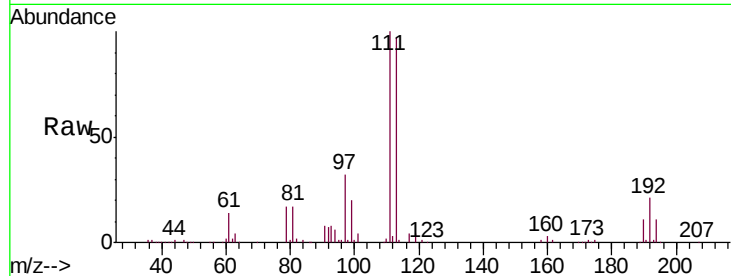
#35
Dibromofluoromethane
Concen: 49.90 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	377205		
111	103.2	80.7	121.1	
192	22.1	17.8	26.6	

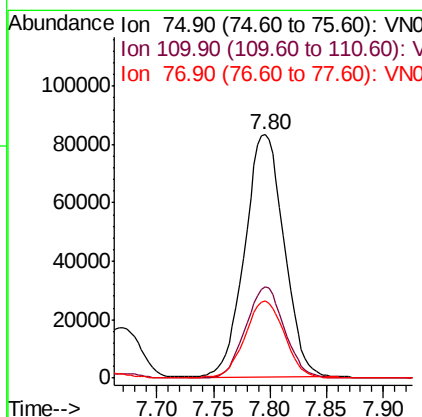
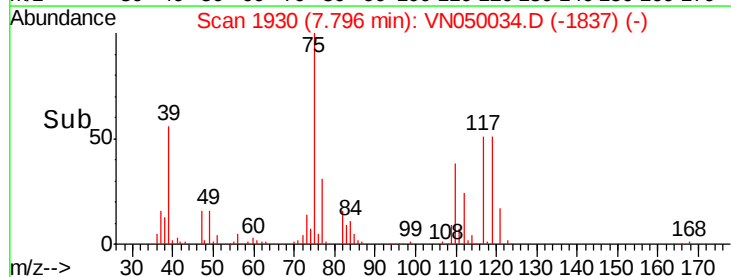
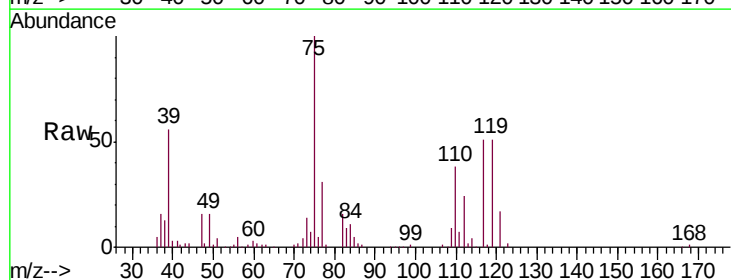
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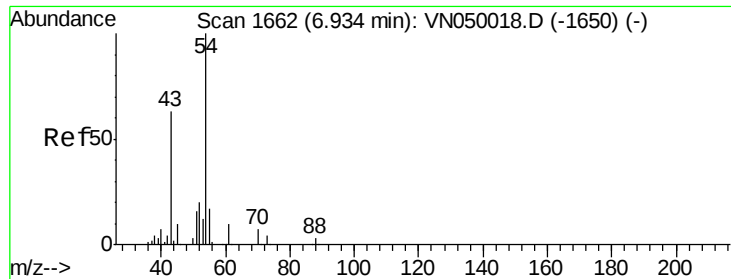
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#36
1,1-Dichloropropene
Concen: 19.27 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	200976		
110	37.1	18.4	55.2	
77	31.9	25.3	37.9	





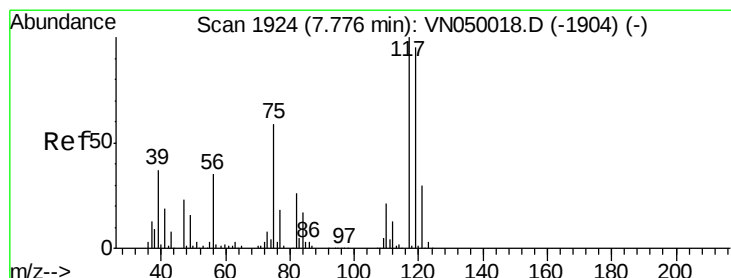
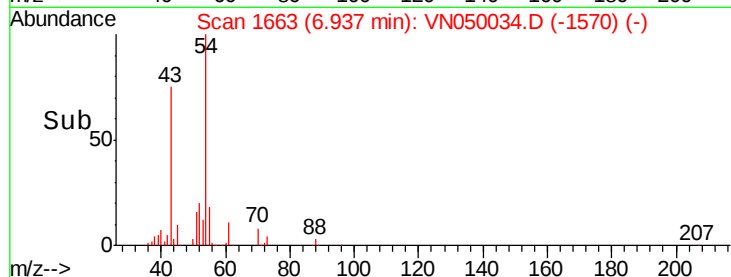
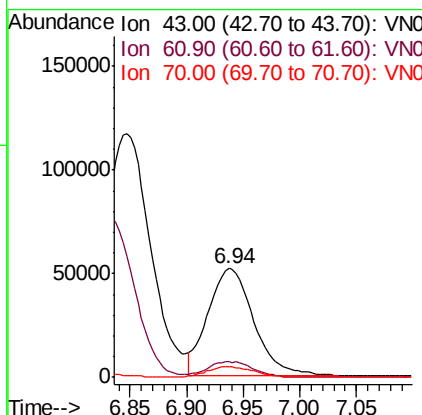
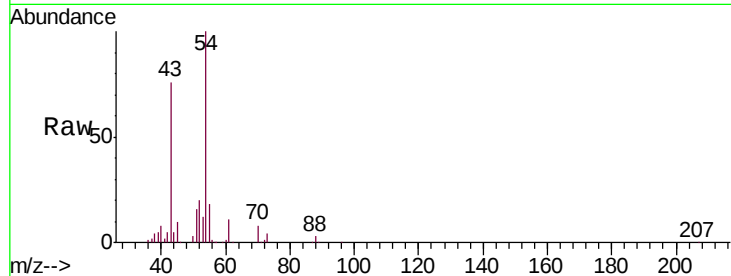
#37
Ethyl Acetate
Concen: 20.03 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampled :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.8	17.8
70	10.5	8.4	12.6

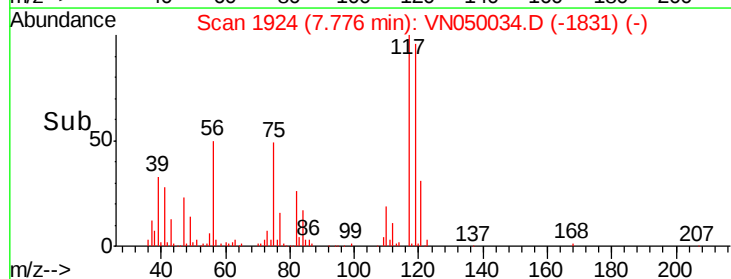
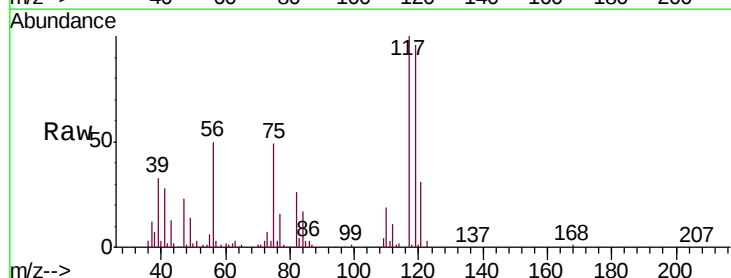
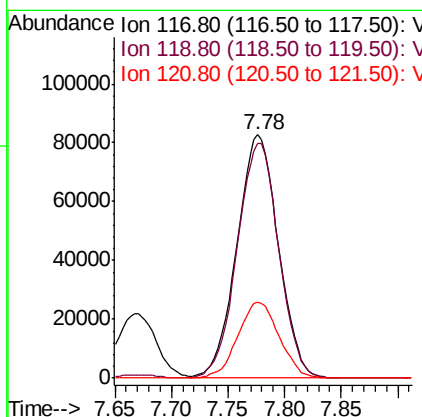
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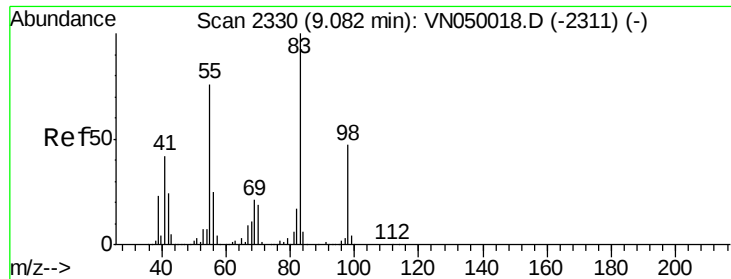
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.99 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
121	31.1	23.9	35.9





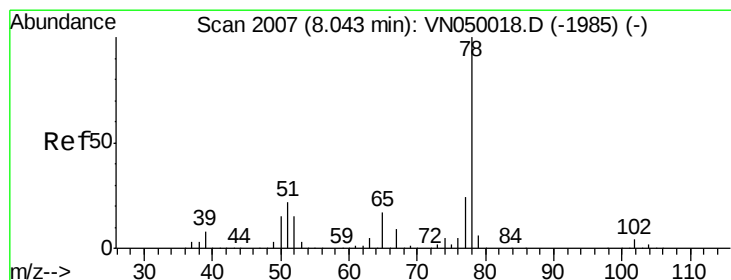
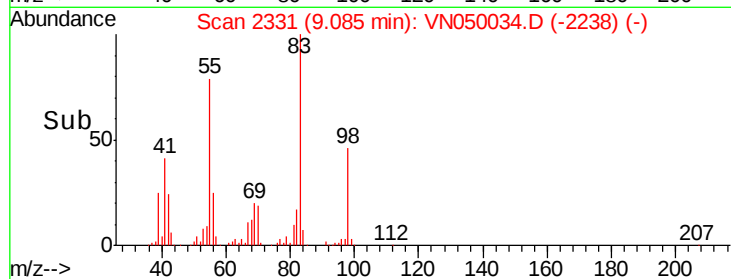
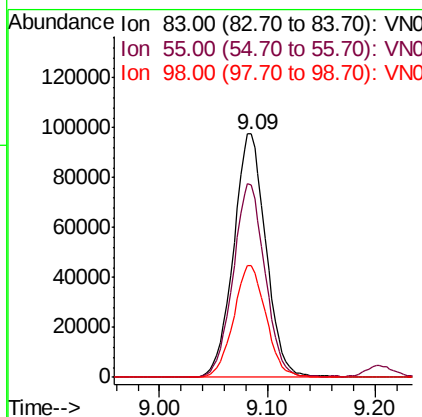
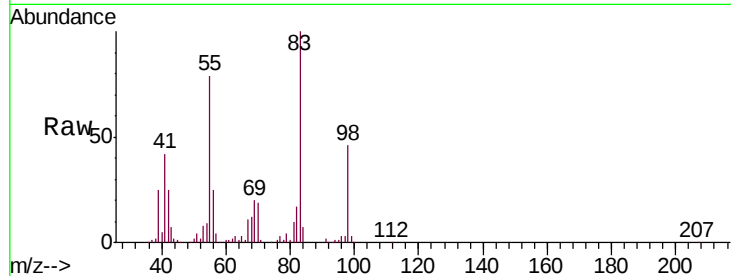
#39
Methvlcvclohexane
Concen: 19.04 ug/l
RT: 9.09 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	61.8	92.8
98	45.7	36.5	54.7

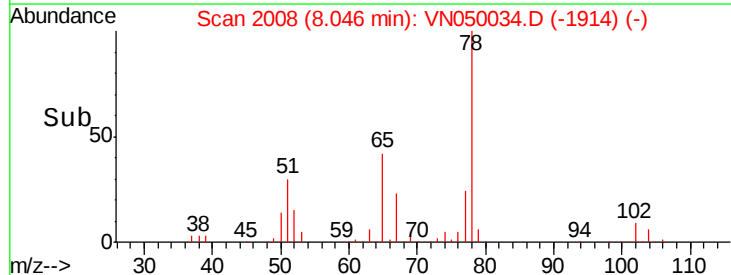
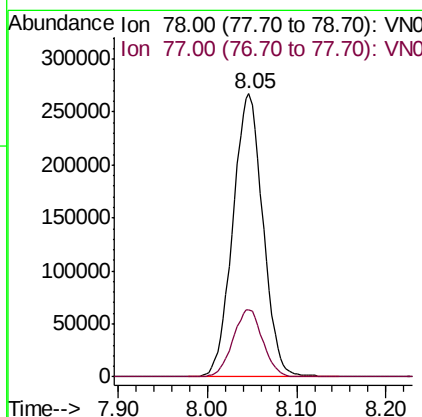
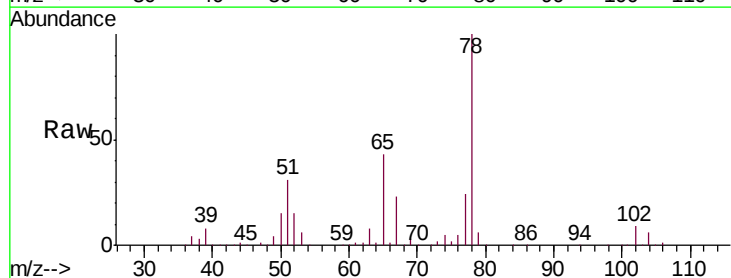
Manual Integrations
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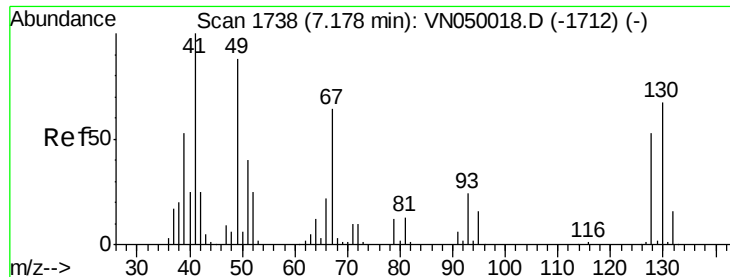
MMDadoda
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#40
Benzene
Concen: 19.62 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1





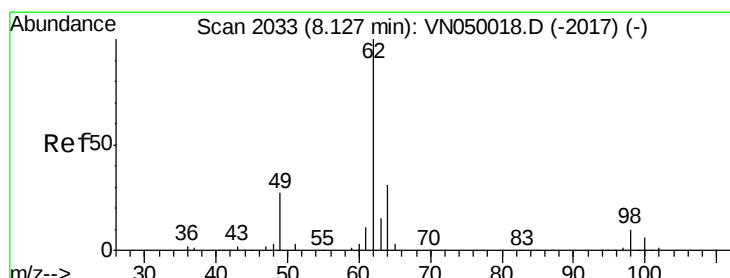
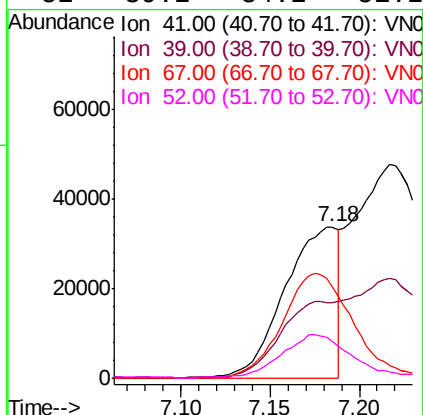
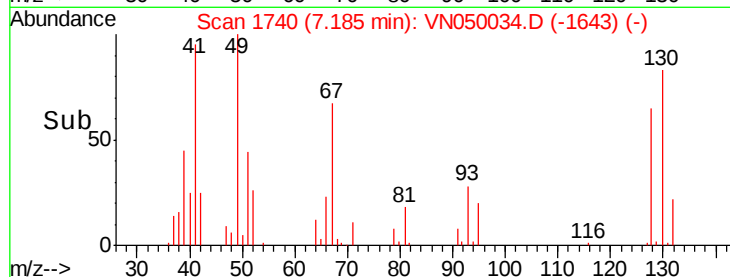
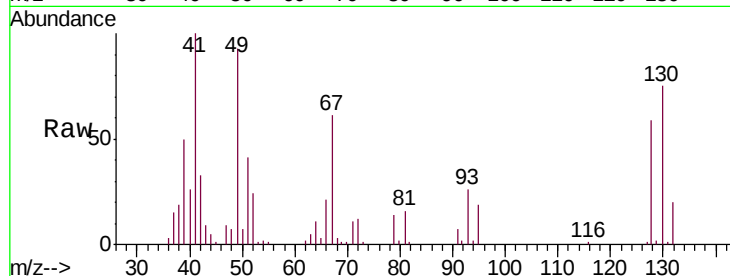
#41
Methacrylonitrile
Concen: 20.33 ug/l
RT: 7.18 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	44.8	55.8	83.6	#
67	91.1	84.3	126.5	
52	39.2	34.2	51.2	

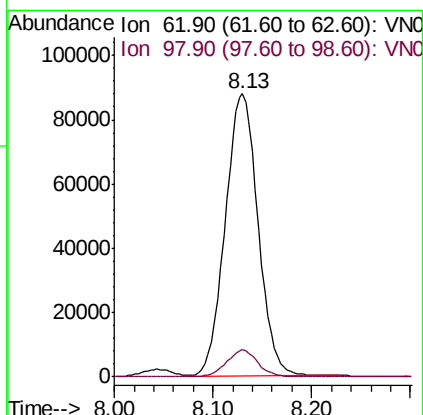
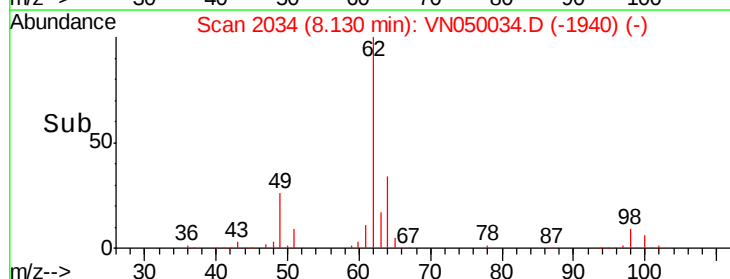
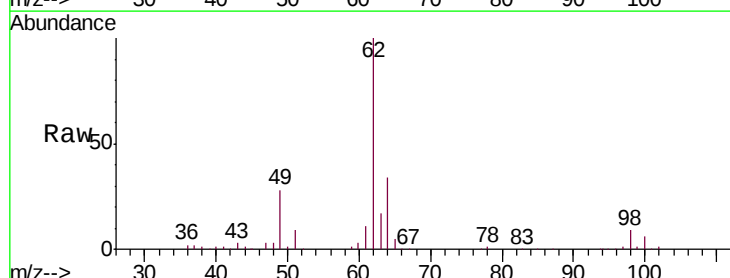
Manual Integrations
APPROVED

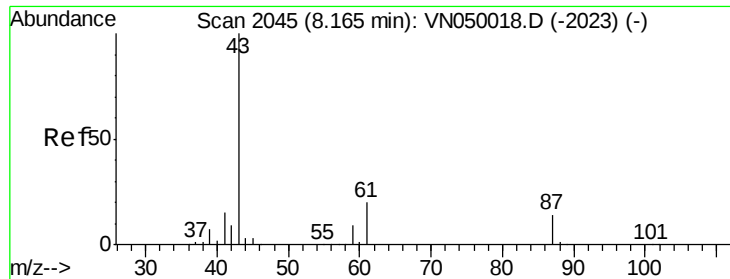
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.24 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	18.8	





#43

Isopropyl Acetate

Concen: 22.09 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

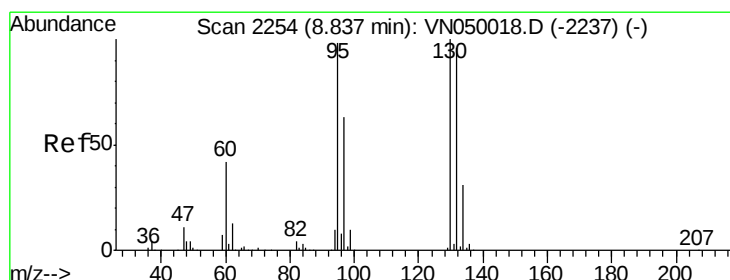
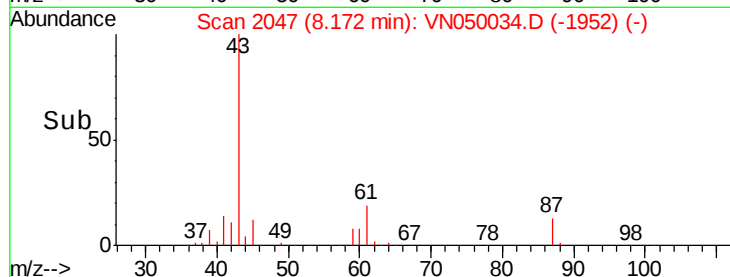
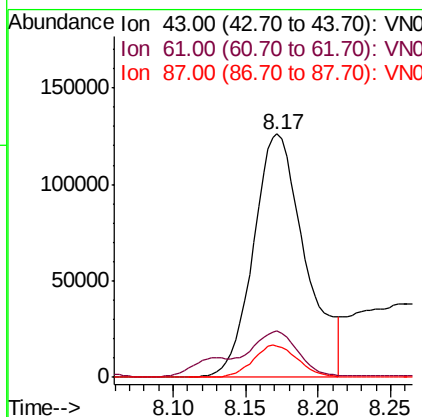
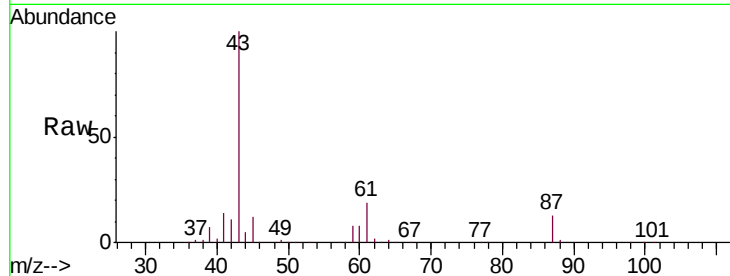
ClientSampleId :

VN0724WBSD01

Tot Ion:	43	Resp:	311538
Ion	Ratio	Lower	Upper
43	100		
61	15.9	15.8	23.6
87	11.4	10.3	15.5

Manual Integrations
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#44

Trichloroethene

Concen: 18.93 ug/l

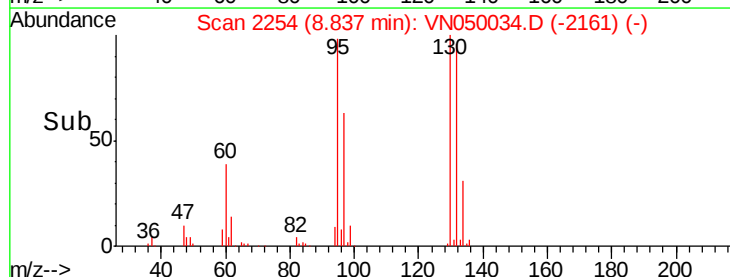
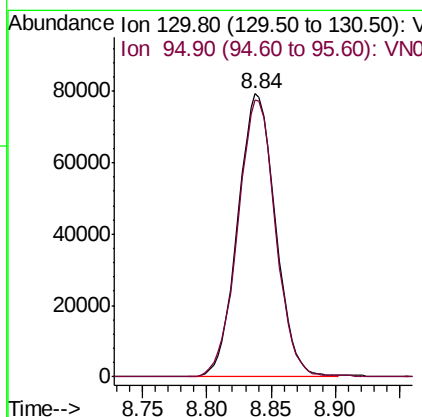
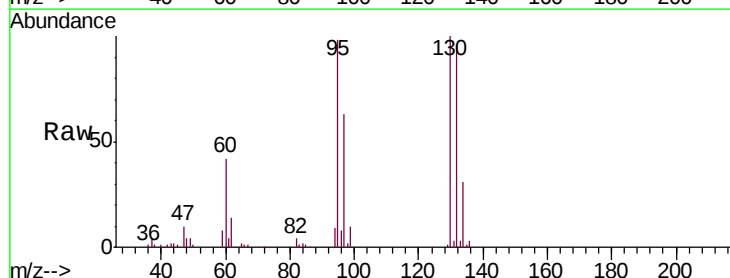
RT: 8.84 min Scan# 2254

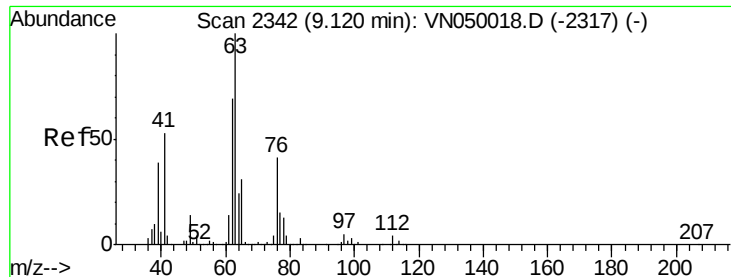
Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Tgt Ion:	130	Resp:	161429
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	194.6





#45

1,2-Dichloropropane

Concen: 19.20 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 63 Resp: 161466

Ion Ratio Lower Upper

63 100

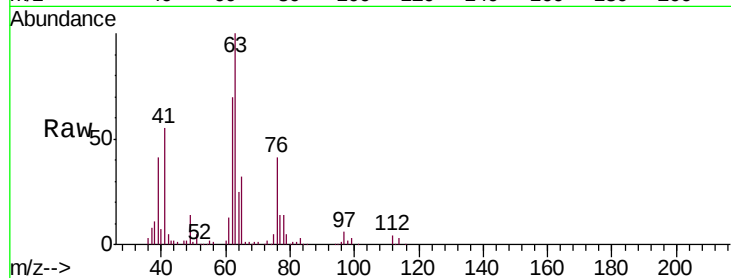
65 31.7 25.5 38.3

Manual Integrations

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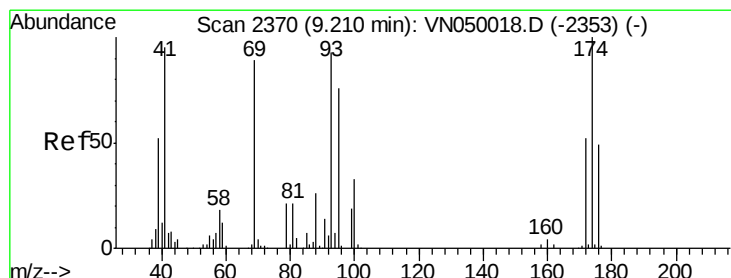
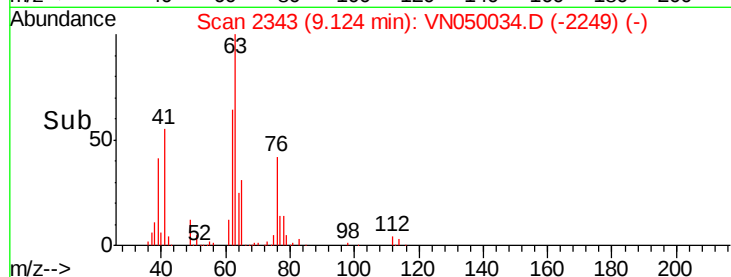
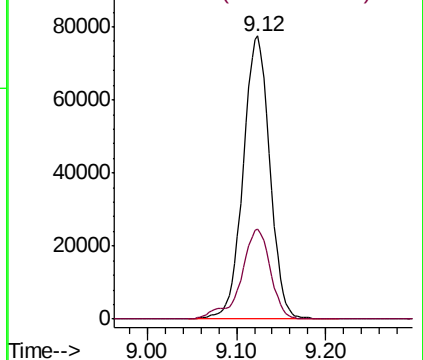
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.79 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

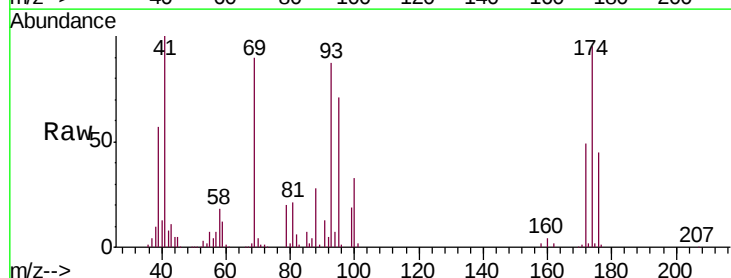
Tgt Ion: 93 Resp: 103336

Ion Ratio Lower Upper

93 100

95 81.4 66.6 100.0

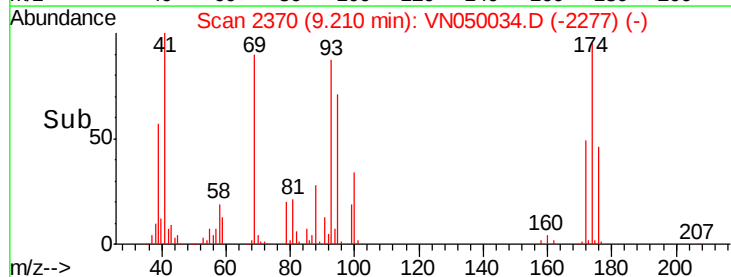
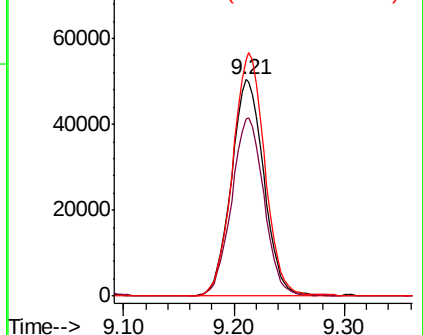
174 110.2 87.1 130.7

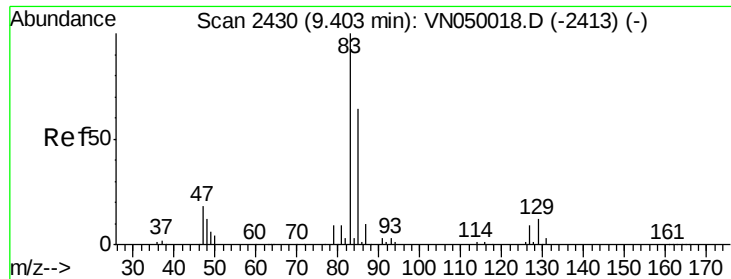


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.02 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

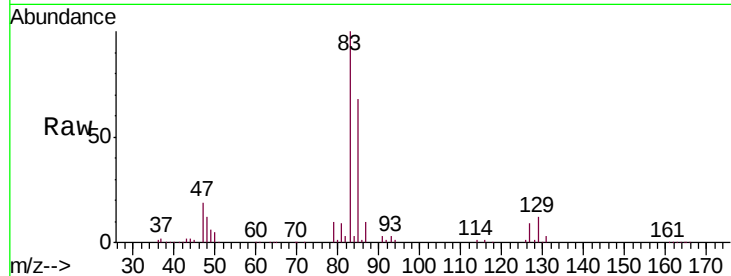
ClientSampleId :

VN0724WBSD01

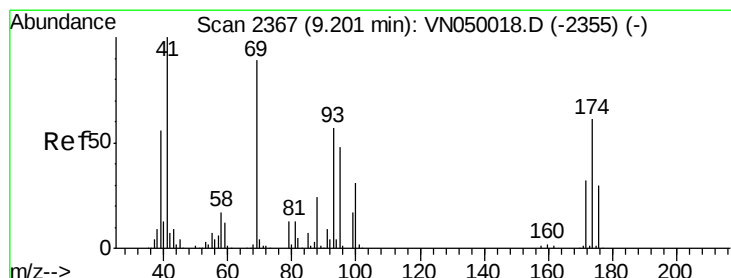
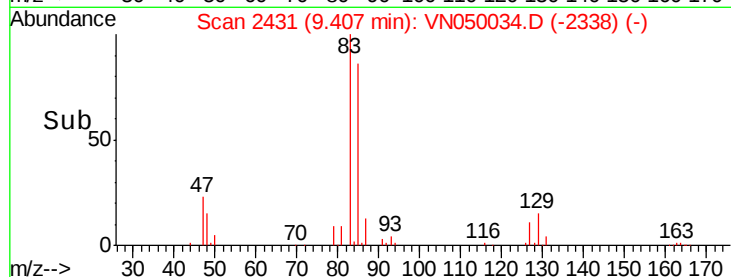
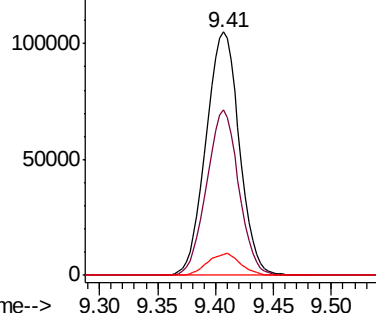
Tot Ion:	83	Resp:	209585
Ion Ratio	Lower	Upper	
83	100		
85	68.0	51.1	76.7
127	8.7	7.0	10.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 20.44 ug/l

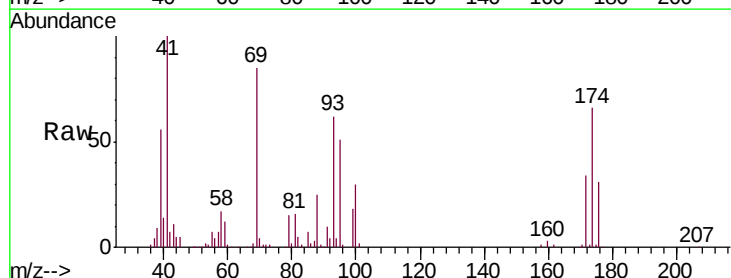
RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

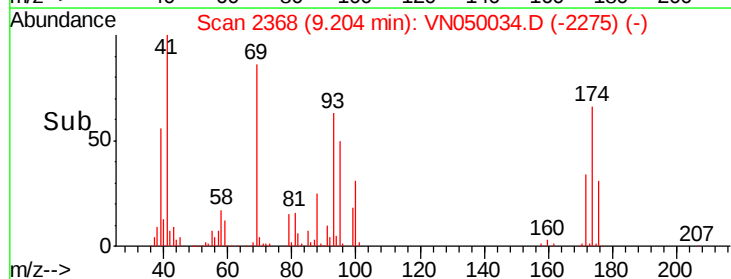
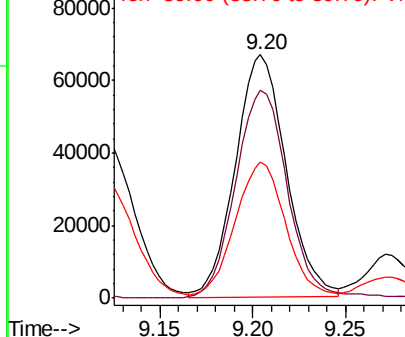
Lab File: VN050034.D

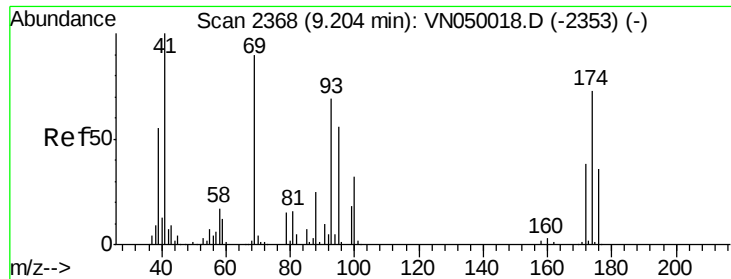
Acq: 24 Jul 2018 20:53

Tgt Ion:	41	Resp:	128064
Ion Ratio	Lower	Upper	
41	100		
69	88.1	70.6	105.8
39	55.3	43.9	65.9



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





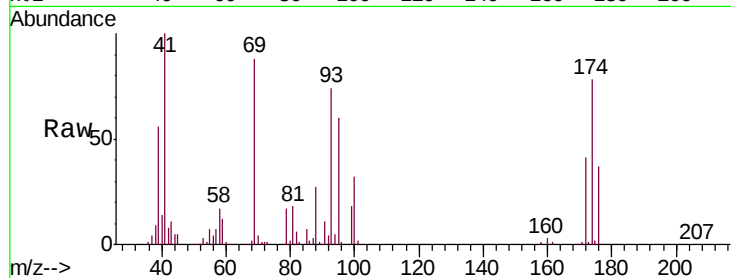
#49
1,4-Dioxane
Concen: 428.92 ug/l
RT: 9.21 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampled :
VN0724WBSD01

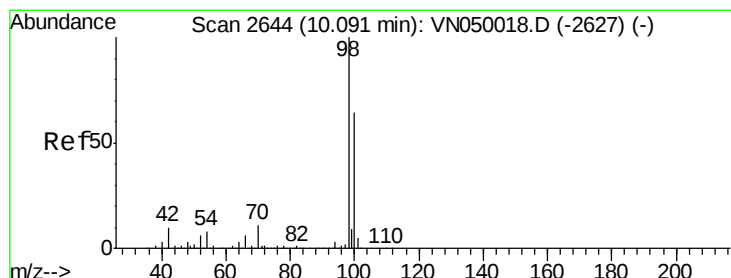
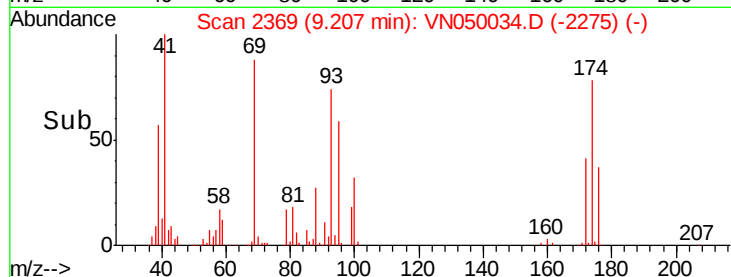
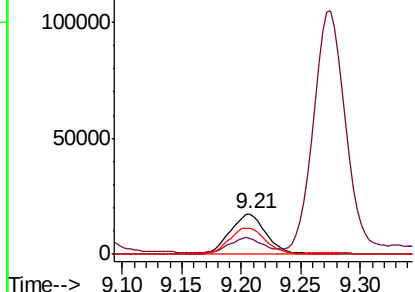
Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.9	40.3
58	66.1	57.3	85.9

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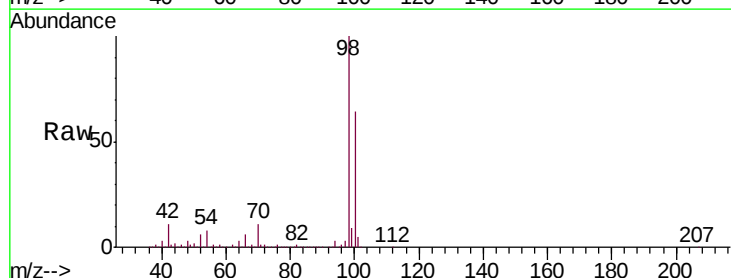


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

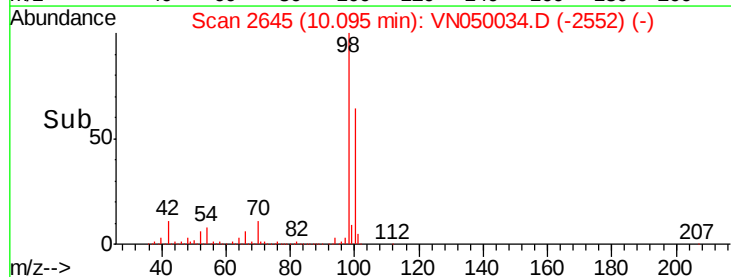
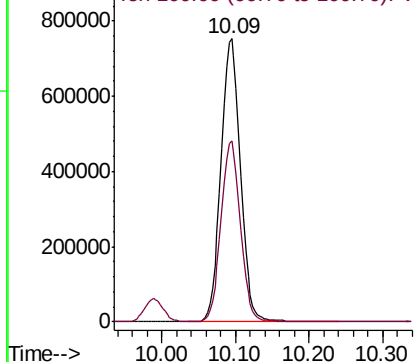


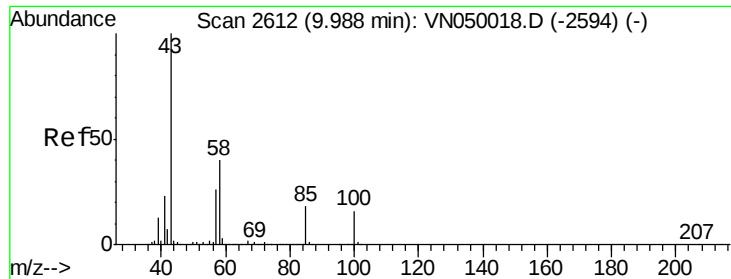
#50
Toluene-d8
Concen: 49.87 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.7	76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





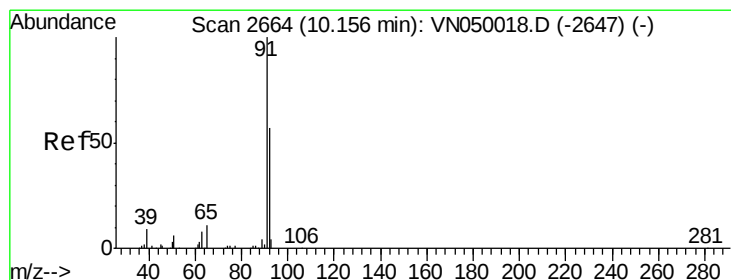
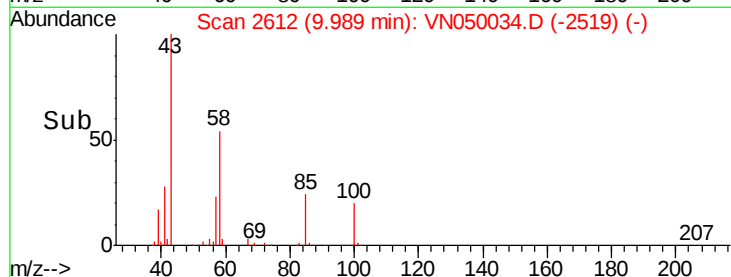
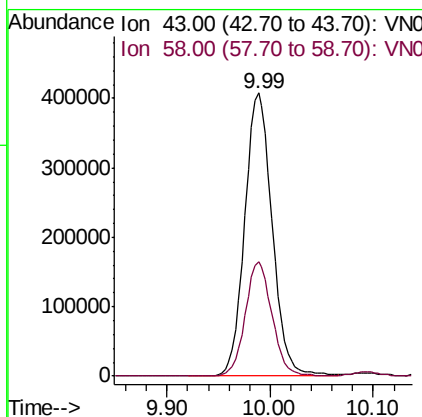
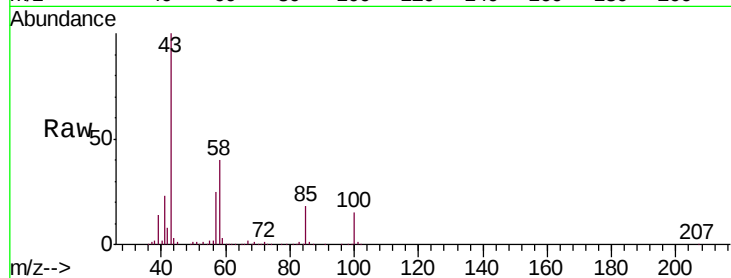
#51
4-Methyl-2-Pentanone
Concen: 104.93 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.9	47.9

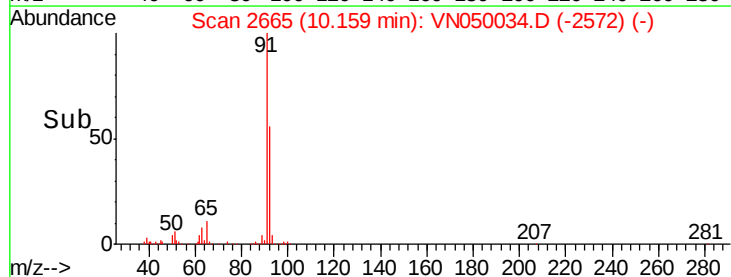
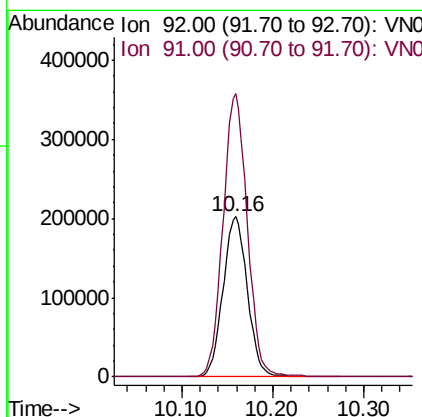
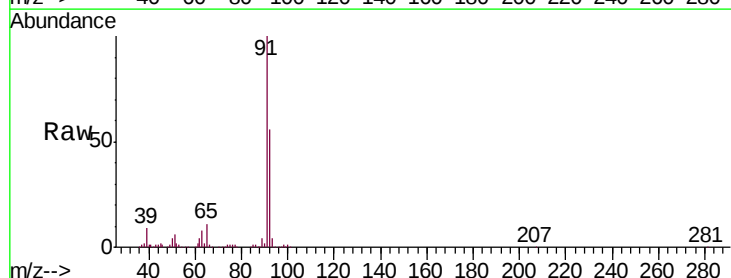
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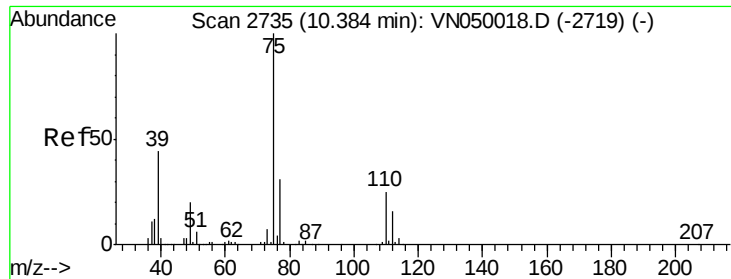
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#52
Toluene
Concen: 20.18 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.5	140.3	210.5





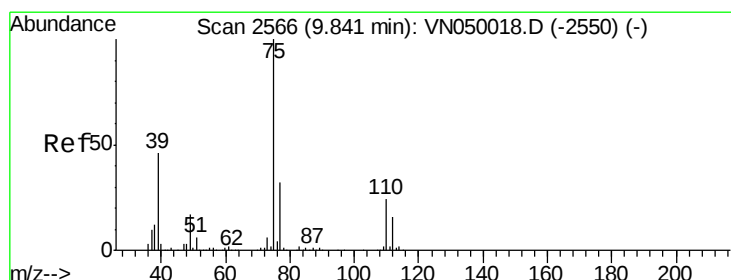
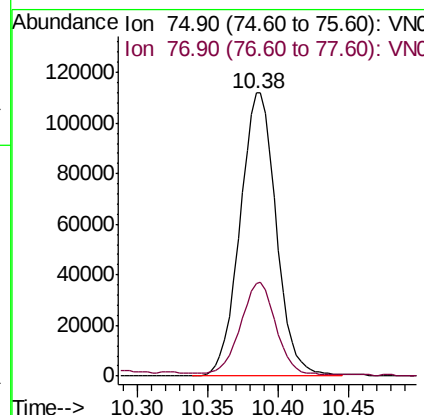
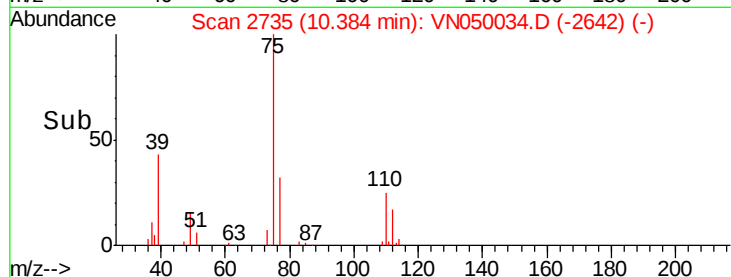
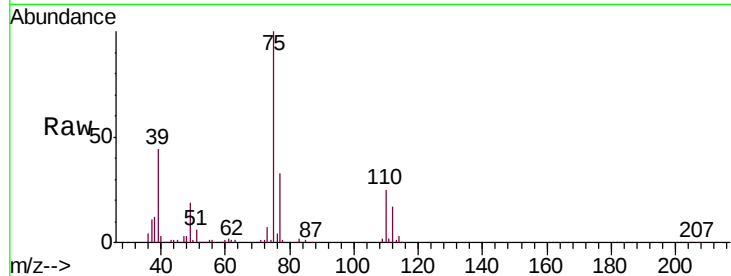
#53
t-1,3-Dichloropropene
Concen: 19.37 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion: 75 Resp: 201426
Ion Ratio Lower Upper
75 100
77 32.2 24.9 37.3

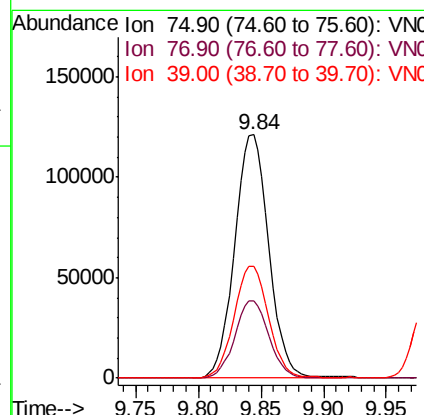
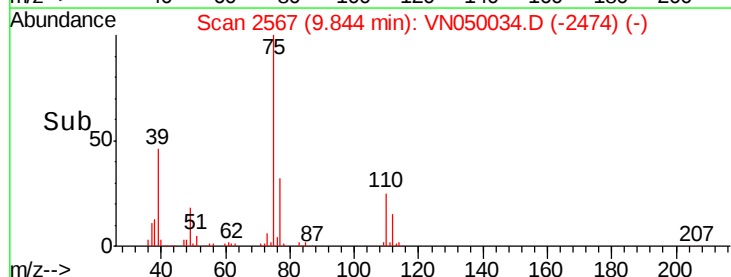
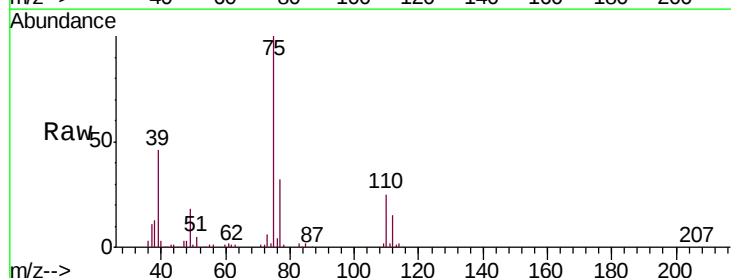
Manual Integrations
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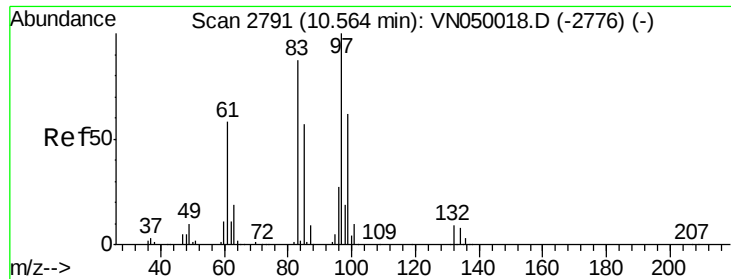
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7/27/2018 12:32:40 PM



#54
cis-1,3-Dichloropropene
Concen: 19.28 ug/l
RT: 9.84 min Scan# 2567
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion: 75 Resp: 229078
Ion Ratio Lower Upper
75 100
77 31.6 25.5 38.3
39 45.9 36.6 55.0





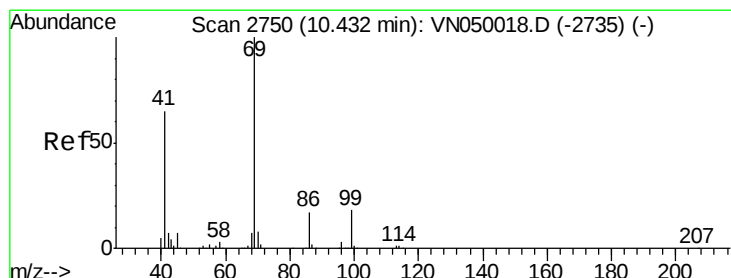
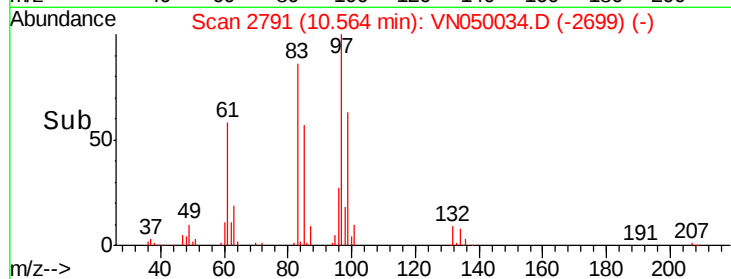
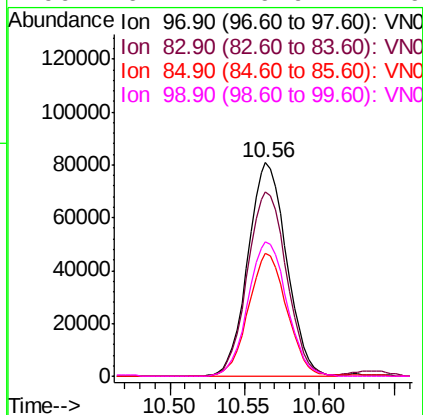
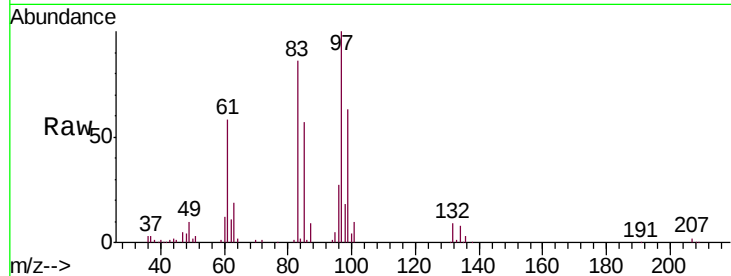
#55
 1,1,2-Trichloroethane
 Concen: 19.61 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050034.D
 Acq: 24 Jul 2018 20:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		145738		
83	86.4	69.2	103.8		
85	57.3	44.0	66.0		
99	62.7	49.9	74.9		

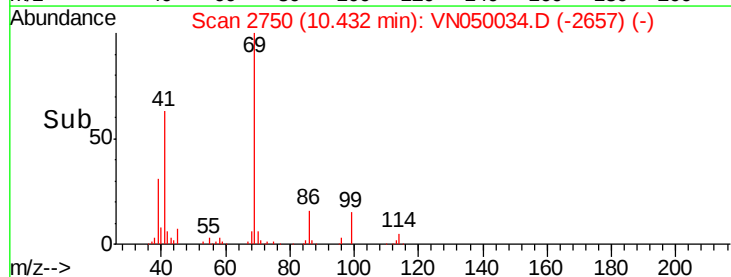
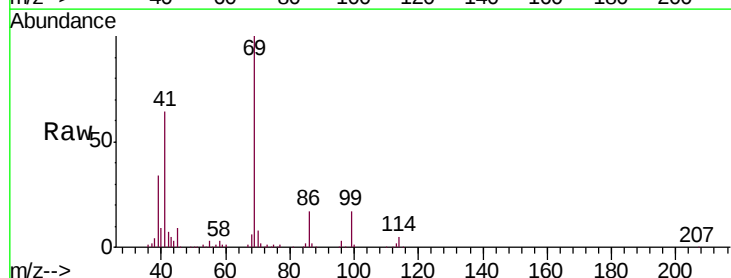
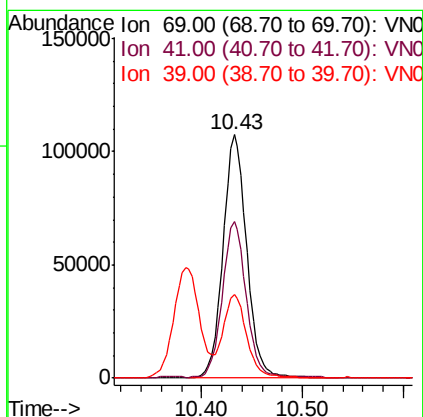
Manual Integrations
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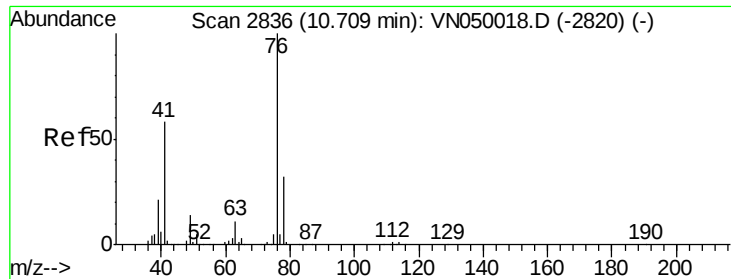
MMDadoda
 7/27/2018 12:32:40 PM



#56
 Ethyl methacrylate
 Concen: 18.92 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050034.D
 Acq: 24 Jul 2018 20:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		177227		
41	63.5	51.0	76.4		
39	34.7	26.6	40.0		





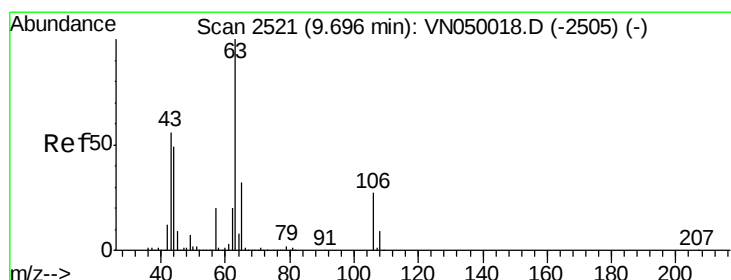
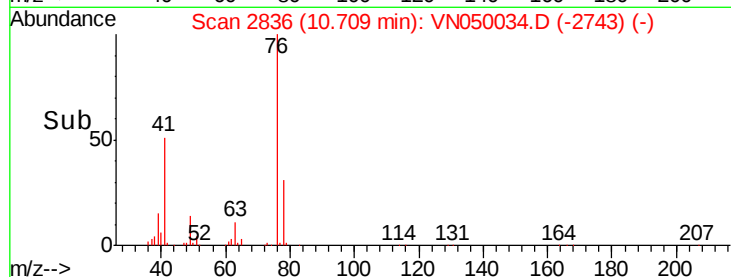
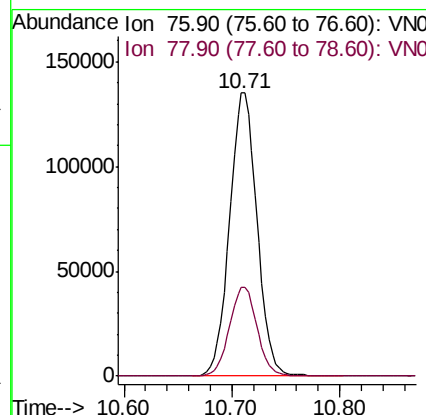
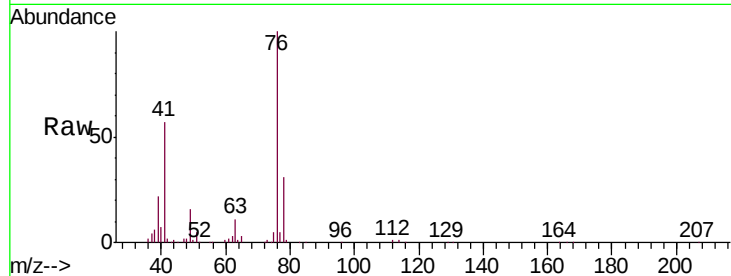
#57
 1,3-Dichloropropane
 Concen: 19.82 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050034.D
 Acq: 24 Jul 2018 20:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBSD01

Tot Ion: 76 Resp: 239836
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.7 38.5

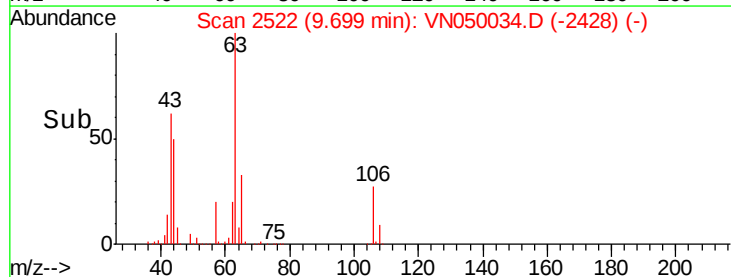
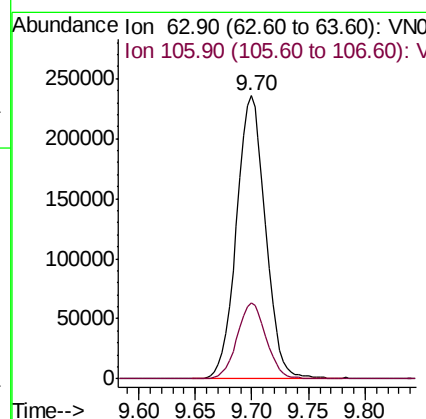
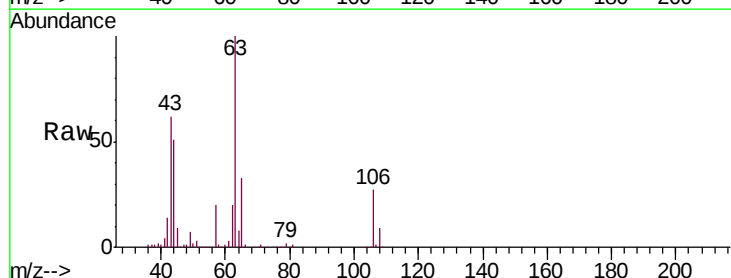
Manual Integrations
 APPROVED

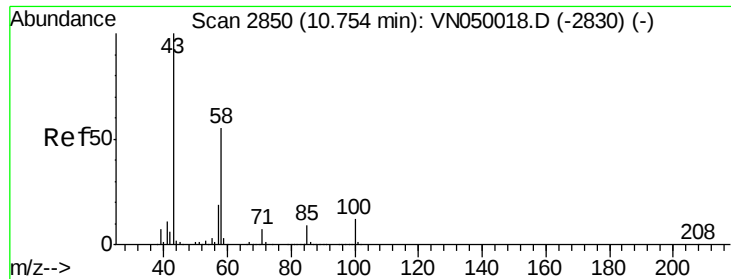
MMDadoda
 7/27/2018 12:32:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.10 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050034.D
 Acq: 24 Jul 2018 20:53

Tgt Ion: 63 Resp: 421609
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.7 32.5





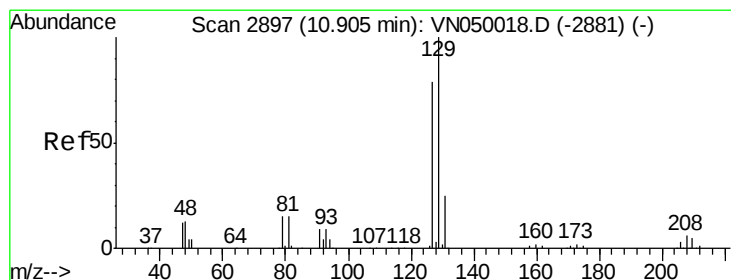
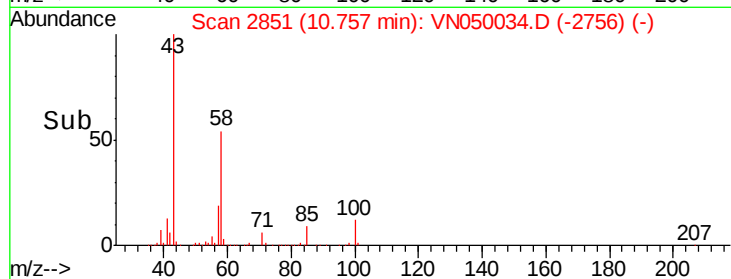
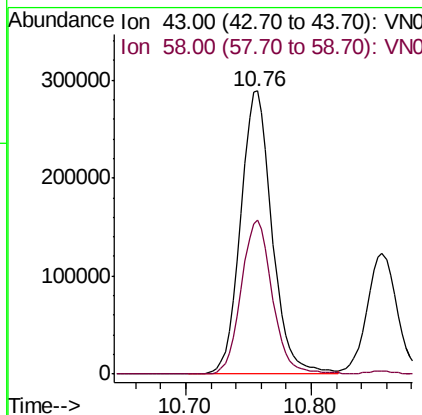
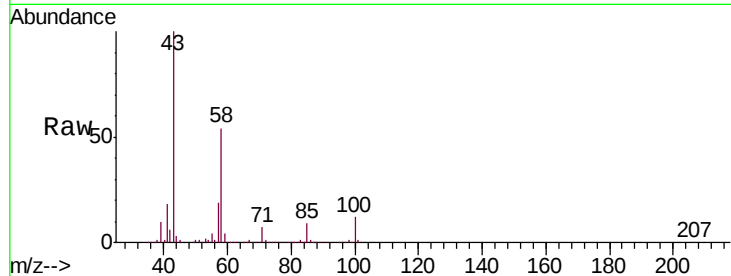
#59
2-Hexanone
Concen: 98.65 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion: 43 Resp: 501465
Ion Ratio Lower Upper
43 100
58 54.1 27.6 82.7

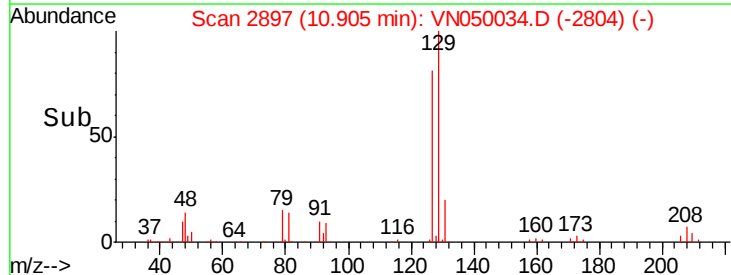
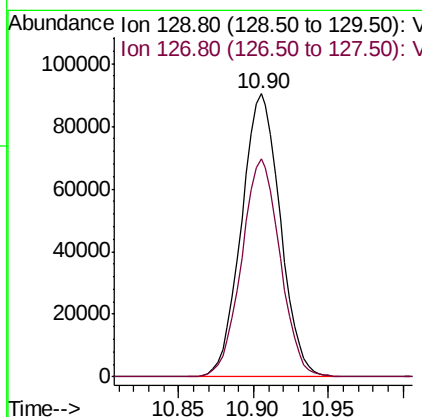
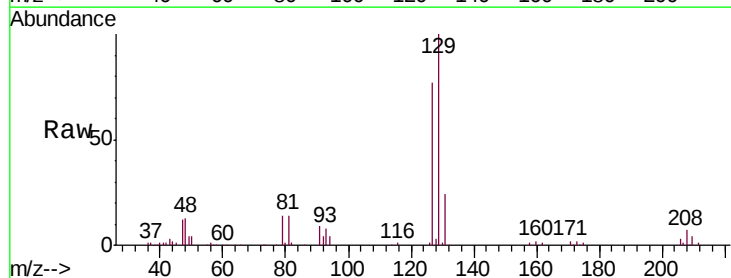
Manual Integrations
APPROVED

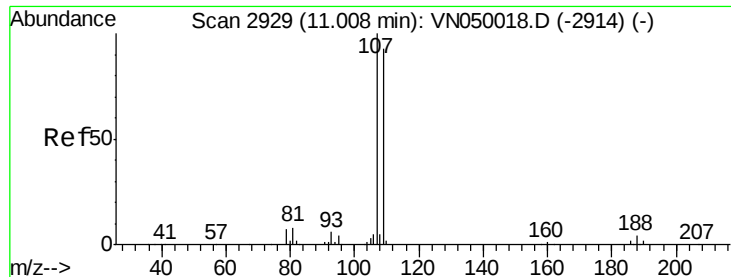
MMDadoda
7/27/2018 12:32:40 PM



#60
Dibromochloromethane
Concen: 19.86 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion: 129 Resp: 163454
Ion Ratio Lower Upper
129 100
127 76.3 38.0 113.9





#61

1,2-Dibromoethane

Concen: 19.50 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion:107 Resp: 143798

Ion Ratio Lower Upper

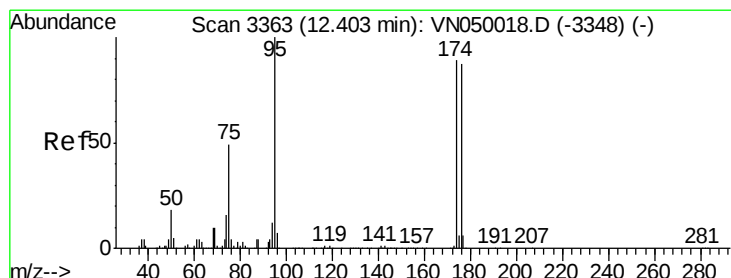
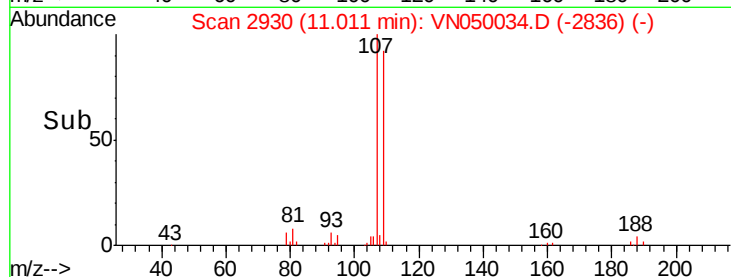
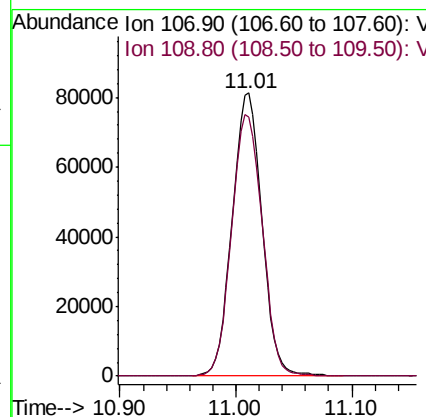
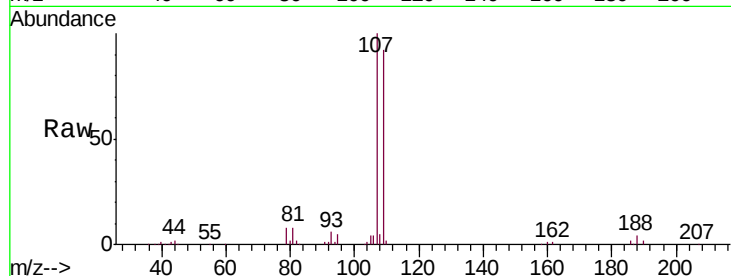
107 100

109 95.5 74.6 112.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.41 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

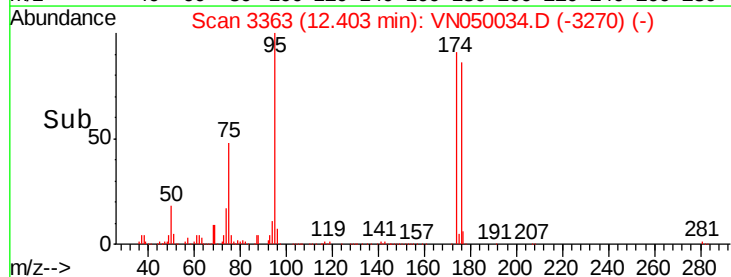
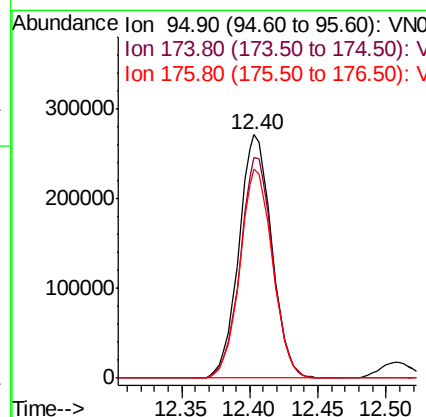
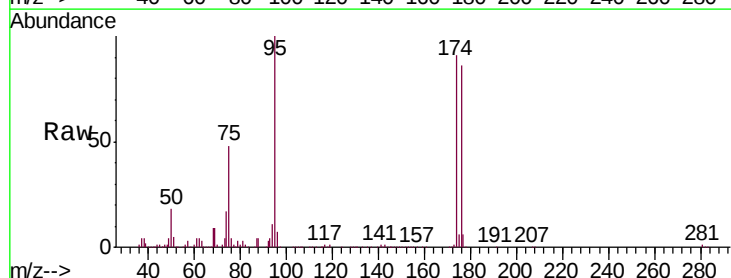
Tgt Ion: 95 Resp: 452195

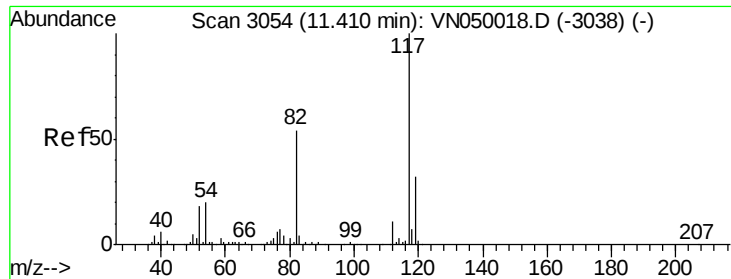
Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.2

176 85.7 0.0 173.4





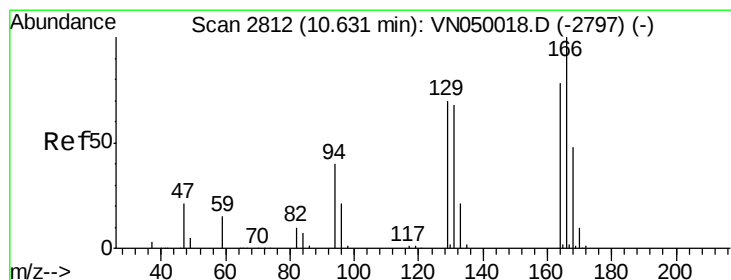
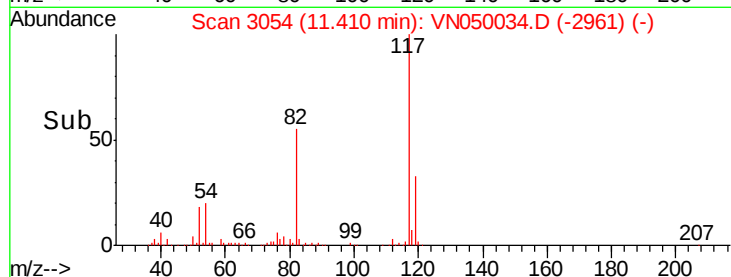
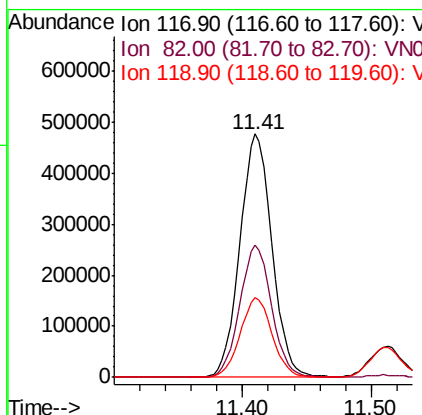
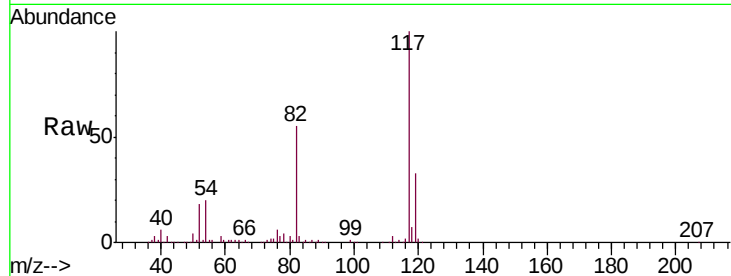
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.7	65.5
119	32.7	26.1	39.1

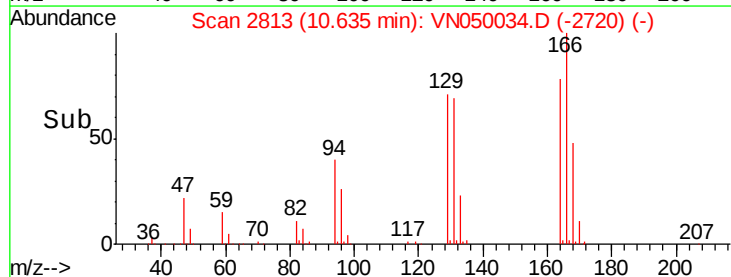
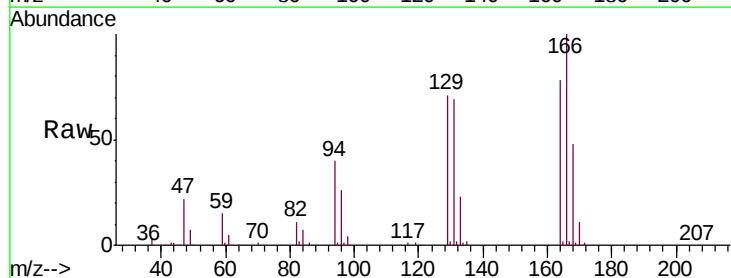
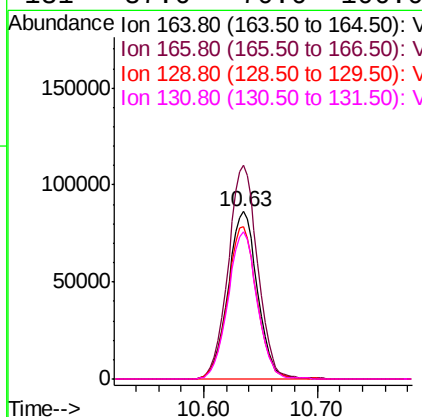
Manual Integrations
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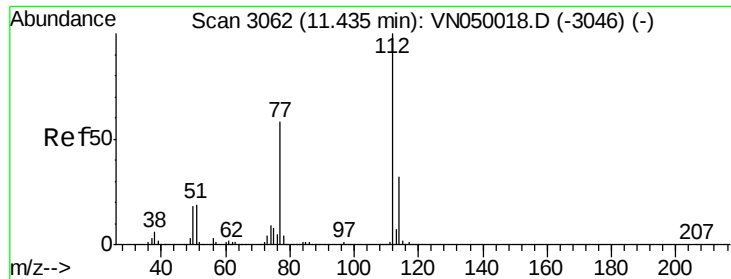
MMDadoda
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#64
Tetrachloroethene
Concen: 19.64 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.1	153.1
129	90.9	73.2	109.8
131	87.6	70.6	106.0





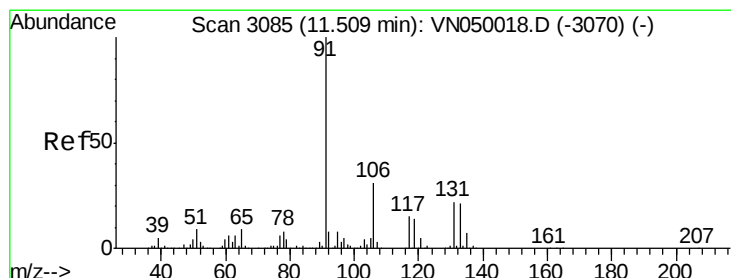
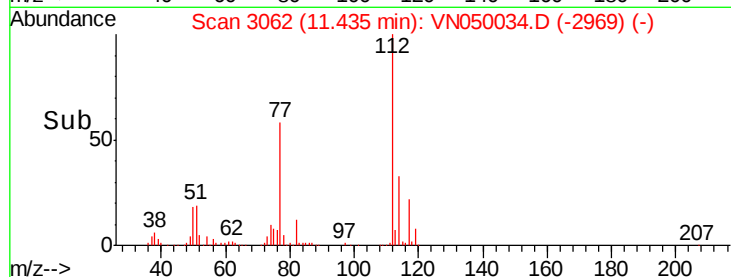
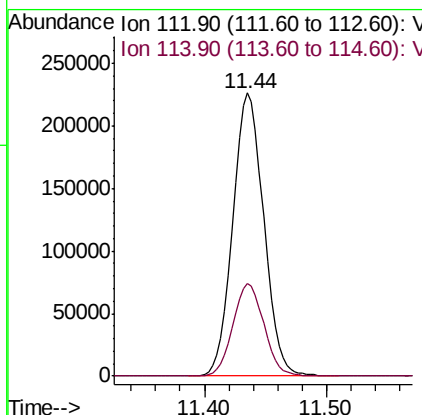
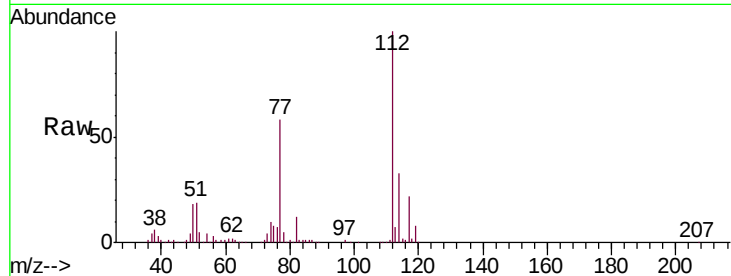
#65
Chlorobenzene
Concen: 19.11 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampled :
VN0724WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	398385		
114	32.7	25.6	38.4	

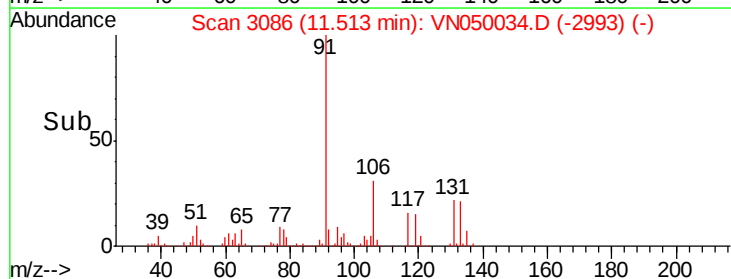
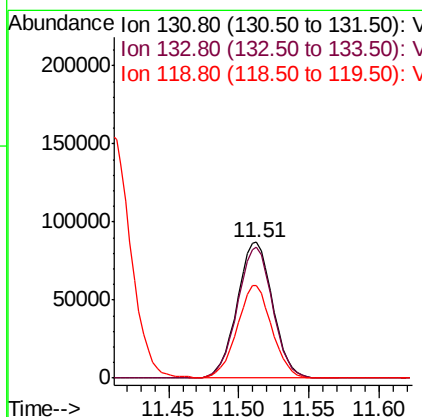
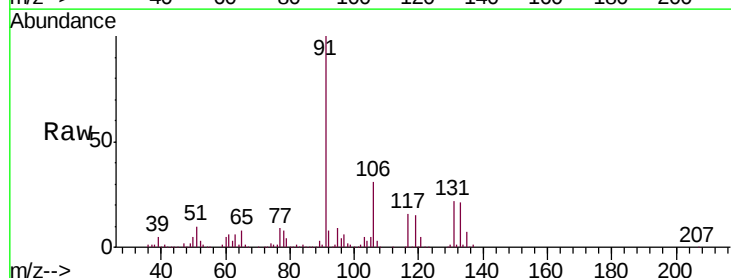
Manual Integrations
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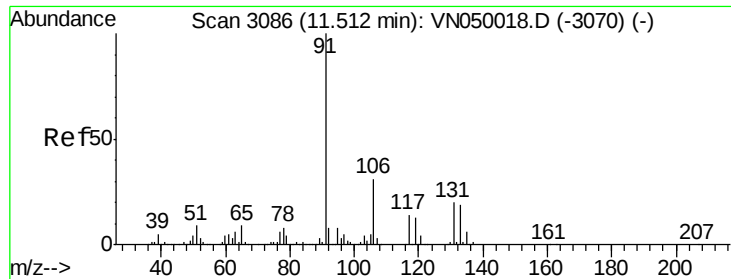
MMDadoda
7/27/2018 12:32:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.21 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	153814		
133	95.6	47.3	141.9	
119	66.7	32.9	98.7	





#67

Ethyl Benzene

Concen: 19.80 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

ClientSampled :

VN0724WBSD01

Tot Ion: 91 Resp: 663004

Ion Ratio Lower Upper

91 100

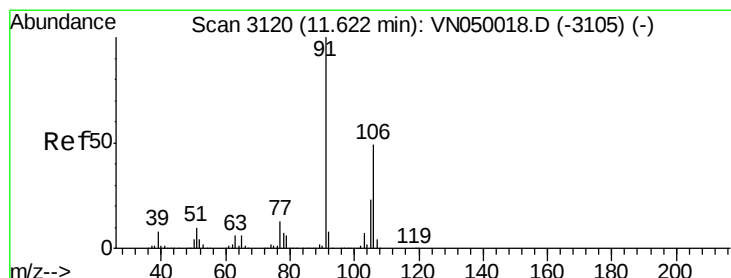
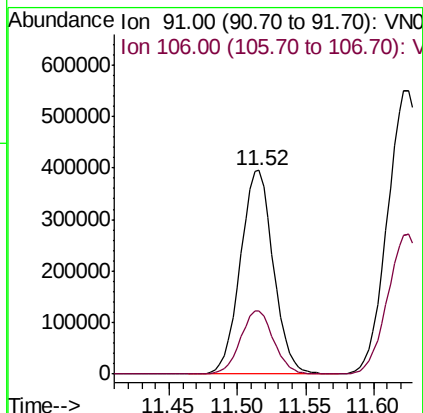
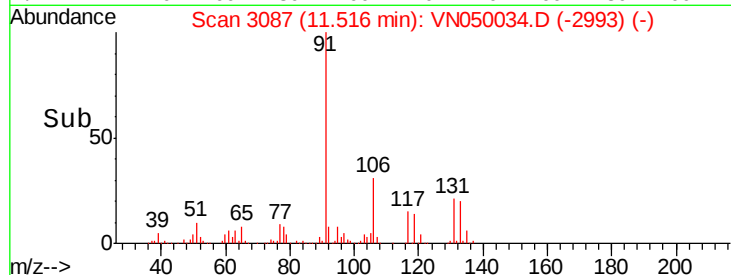
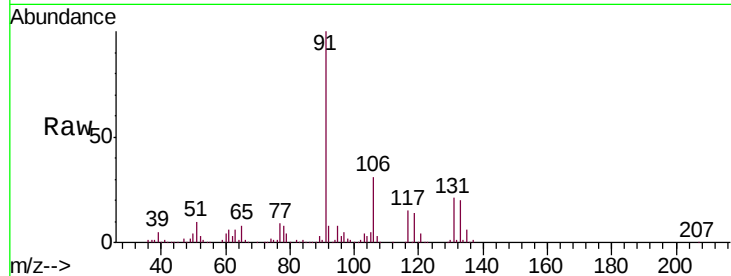
106 31.1 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.06 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050034.D

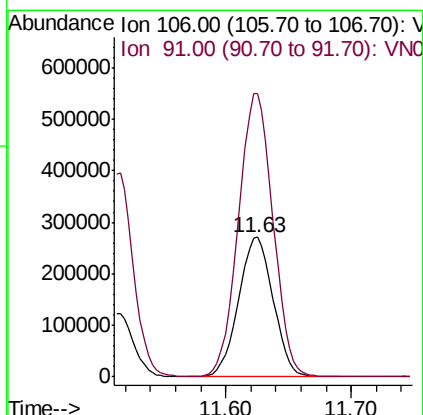
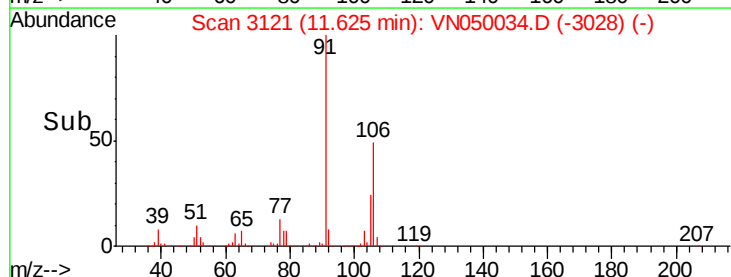
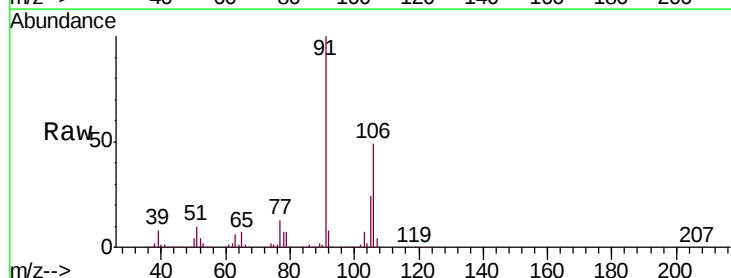
Acq: 24 Jul 2018 20:53

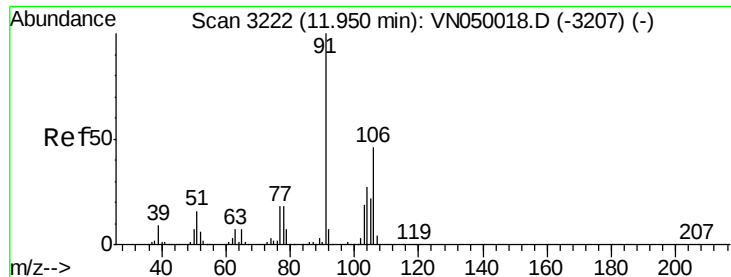
Tgt Ion: 106 Resp: 520032

Ion Ratio Lower Upper

106 100

91 202.4 162.2 243.2





#69

o-Xylene

Concen: 20.46 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

ClientSampled :

VN0724WBSD01

Tot Ion:106 Resp: 247009

Ion Ratio Lower Upper

106 100

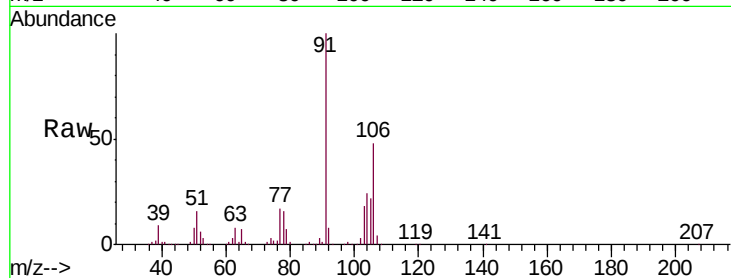
91 210.1 107.7 323.1

Manual Integrations

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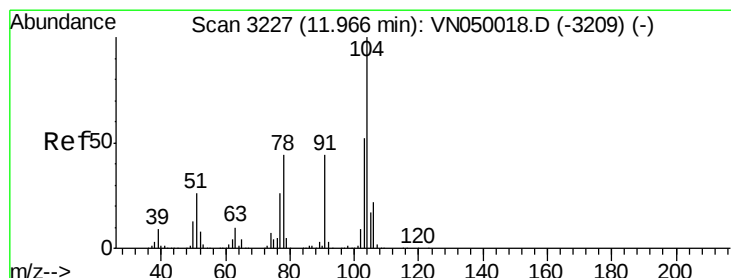
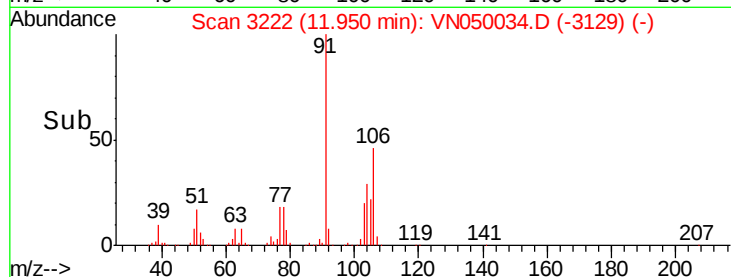
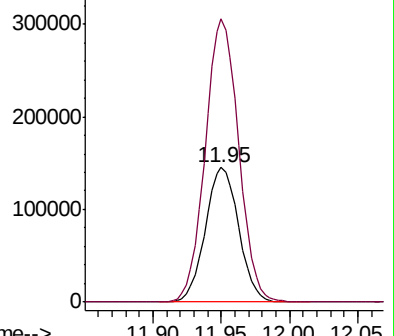
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 18.91 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

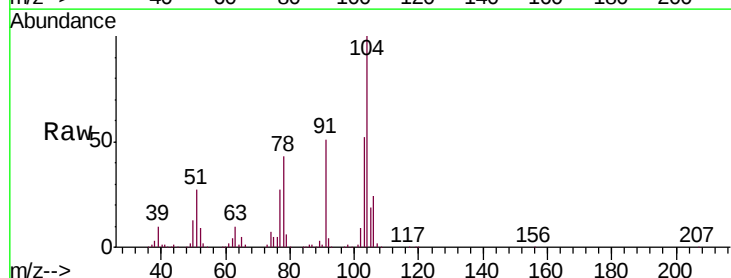
Tgt Ion:104 Resp: 393522

Ion Ratio Lower Upper

104 100

78 49.0 39.3 58.9

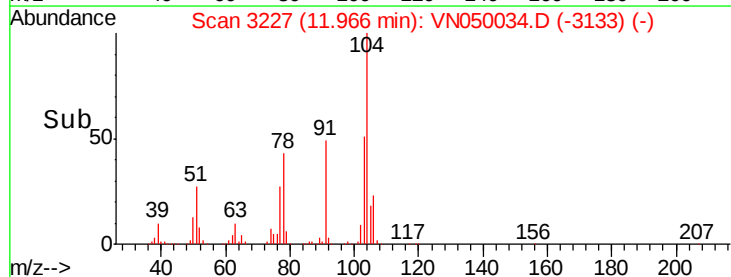
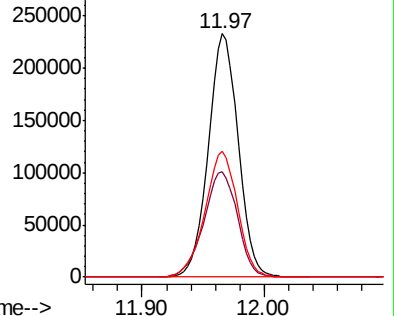
103 56.5 45.0 67.6

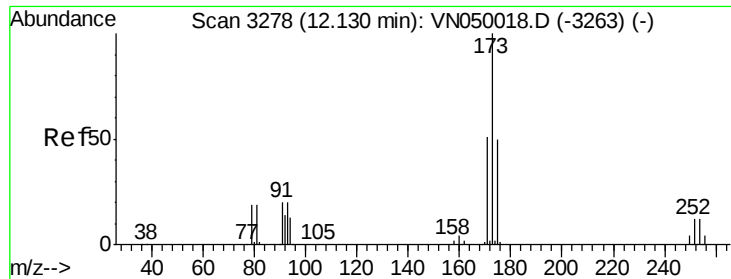


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





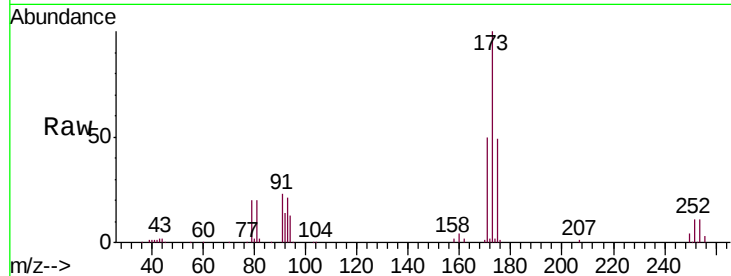
#71
Bromoform
Concen: 19.30 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.1	72.2
254	0.0	0.2	0.2

Manual Integrations
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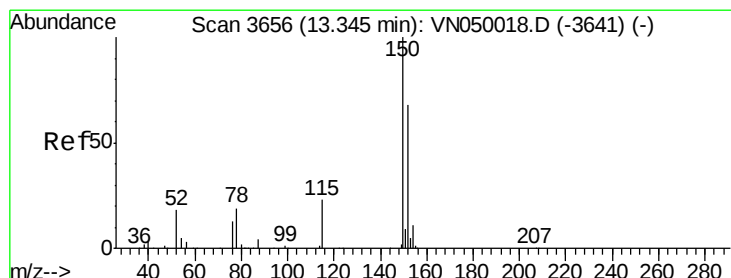
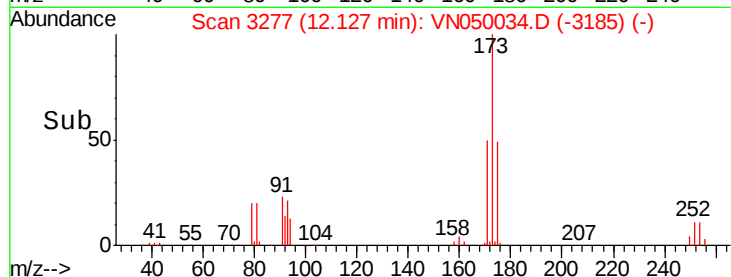
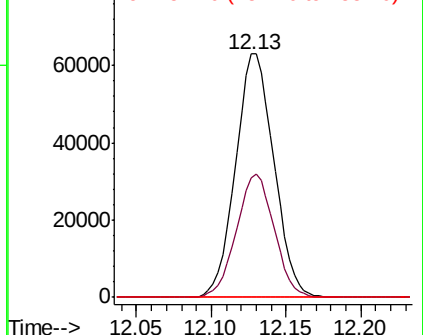


Abundance

Ion 172.70 (172.40 to 173.40): V

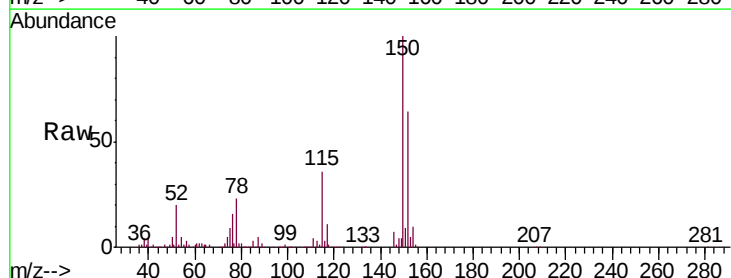
Ion 174.70 (174.40 to 175.40): V

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: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	27.8	83.3
150	163.2	0.0	348.6

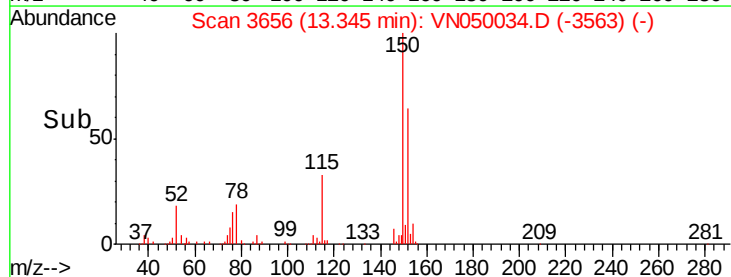
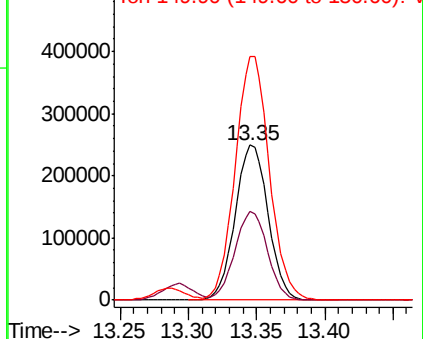


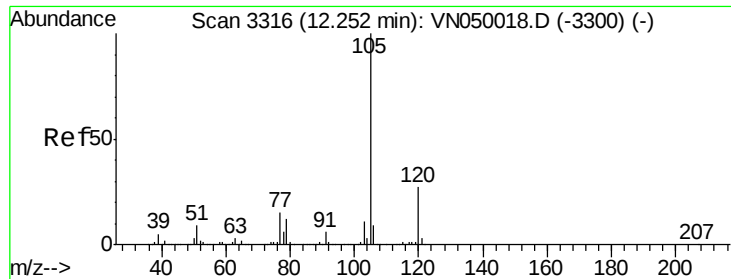
Abundance

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: 20.19 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 105 Resp: 653004

Ion Ratio Lower Upper

105 100

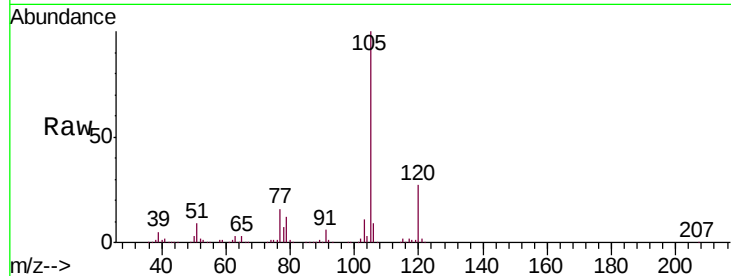
120 26.5 13.3 39.8

Manual Integrations

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7/27/2018 12:32:40 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

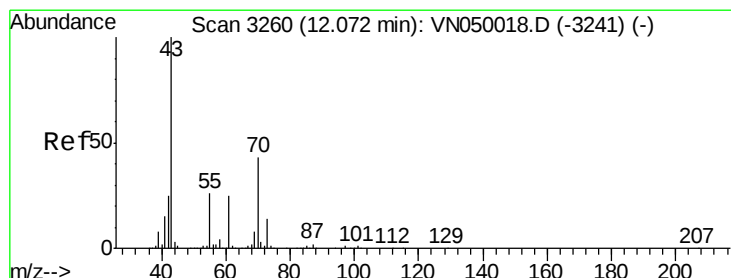
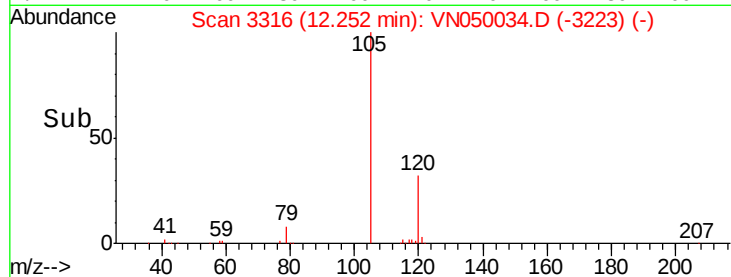
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.99 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Tgt Ion: 43 Resp: 197655

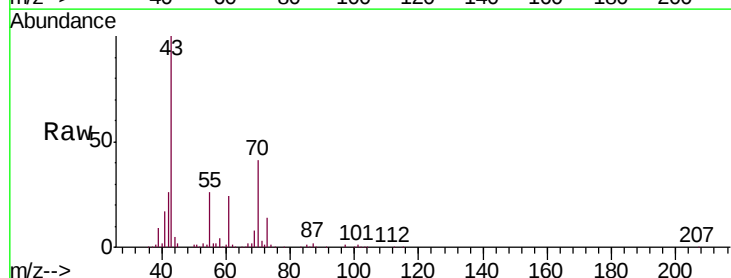
Ion Ratio Lower Upper

43 100

70 42.3 34.4 51.6

55 26.7 20.8 31.2

61 24.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

200000

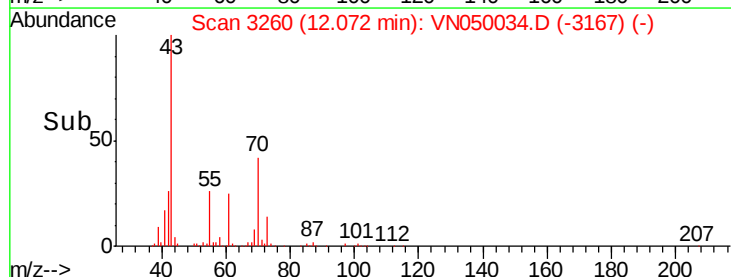
150000

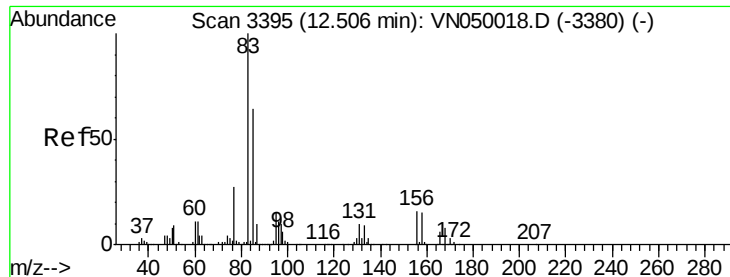
100000

50000

0

Time--> 12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 21.27 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

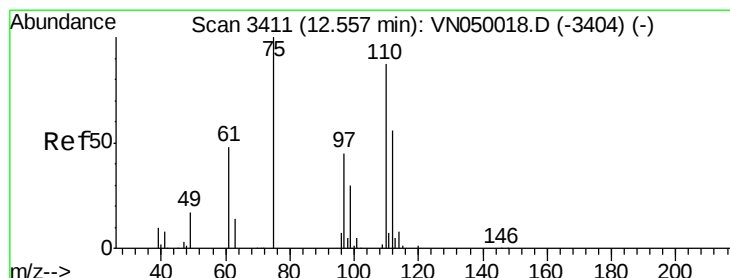
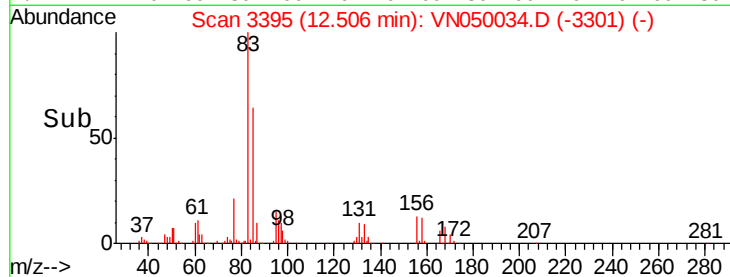
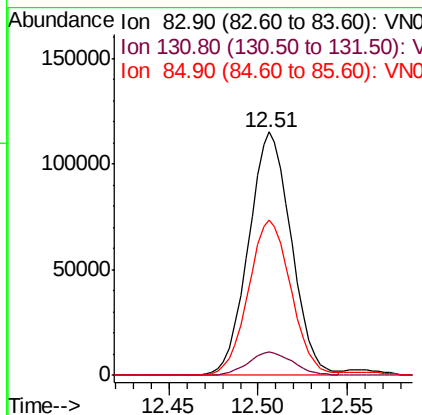
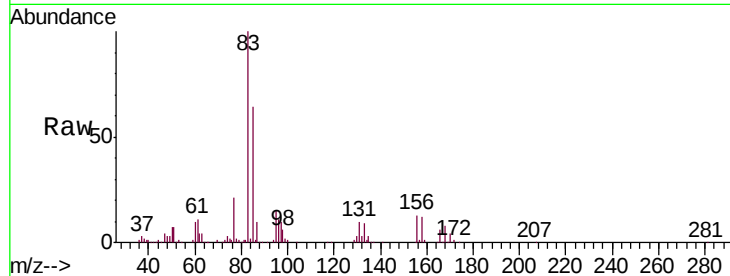
ClientSampleId :

VN0724WBSD01

Tot Ion:	83	Resp:	192574
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.3
85	64.0	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.00 ug/l m

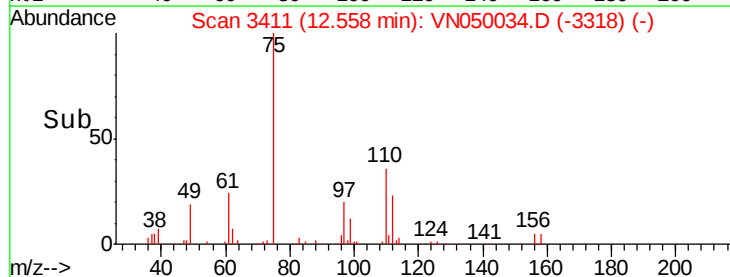
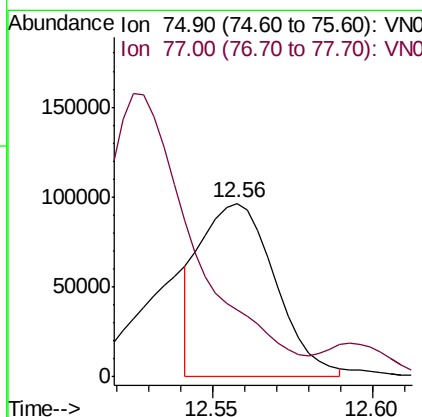
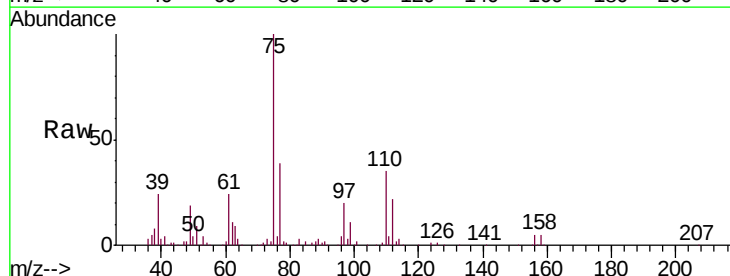
RT: 12.56 min Scan# 3411

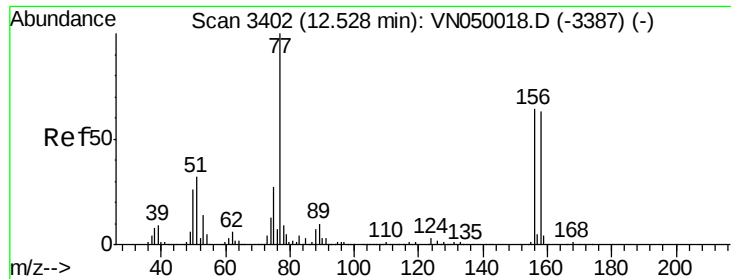
Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Tgt Ion:	75	Resp:	155019
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.50 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

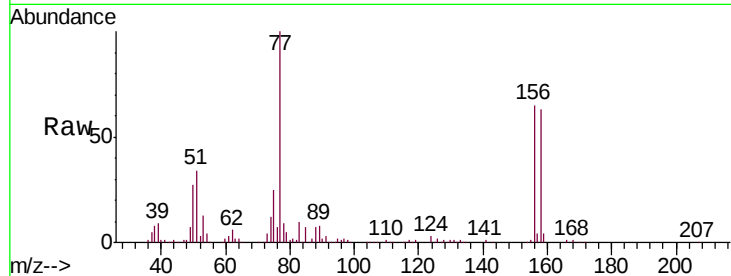
ClientSampled :

VN0724WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	185.5	91.7	275.1	
158	97.0	48.9	146.6	

Manual Integrations
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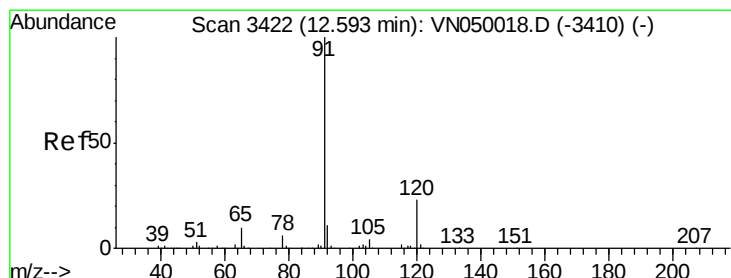
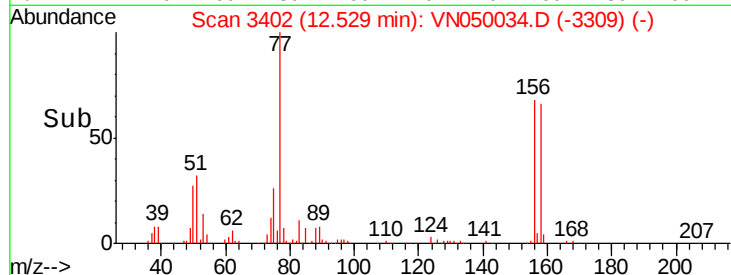
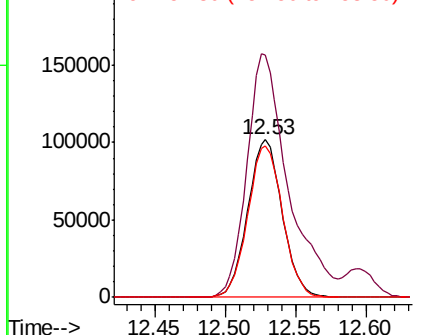


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.55 ug/l

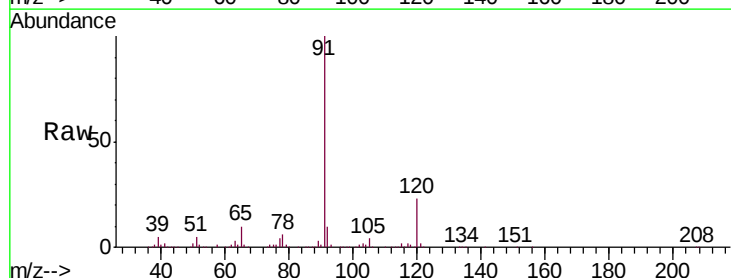
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

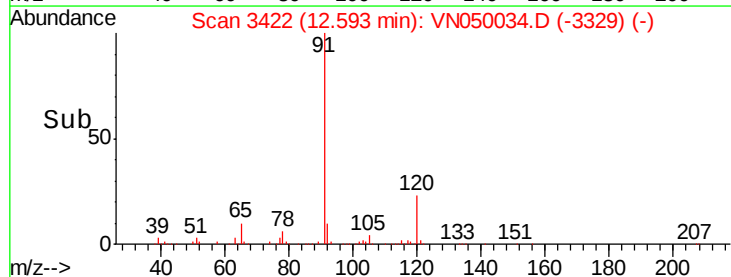
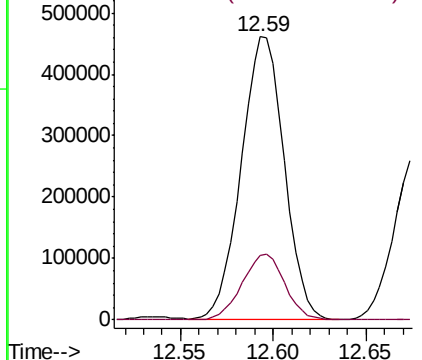
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.2	11.6	34.7	

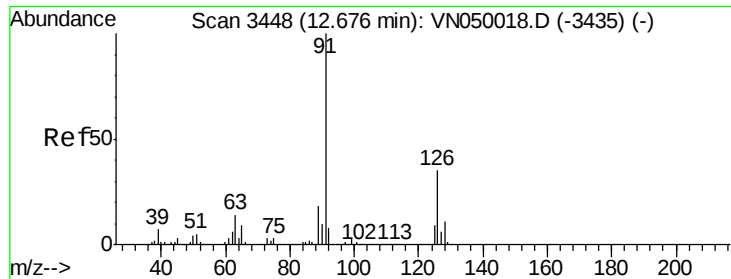


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.49 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

ClientSampled :

VN0724WBSD01

Tot Ion: 91 Resp: 459042

Ion Ratio Lower Upper

91 100

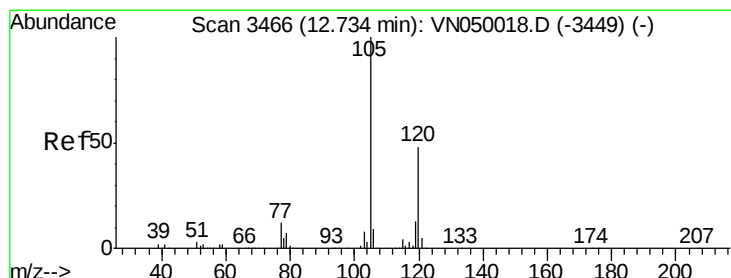
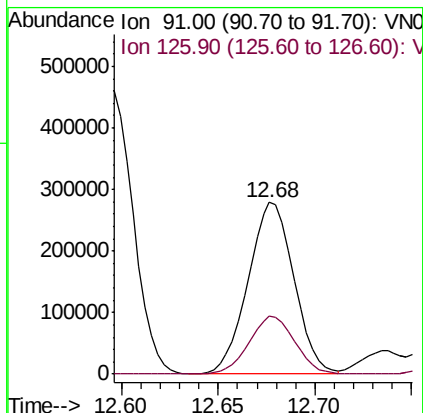
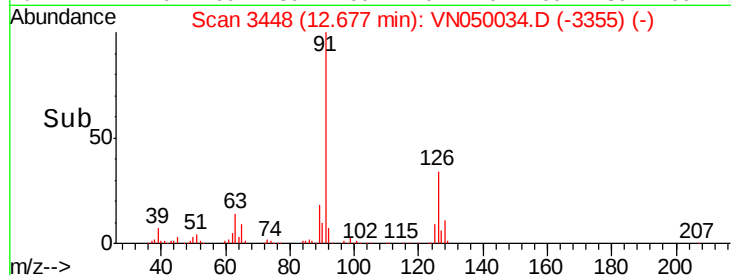
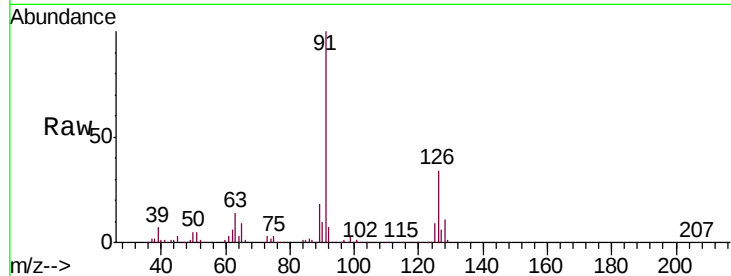
126 33.8 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.06 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050034.D

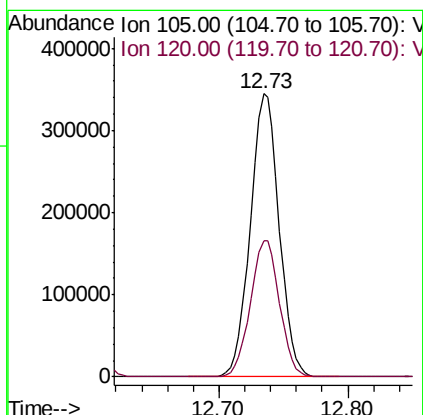
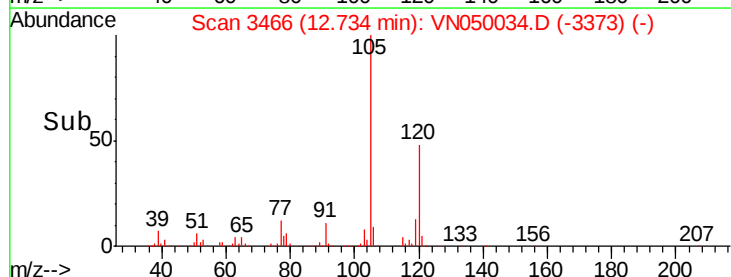
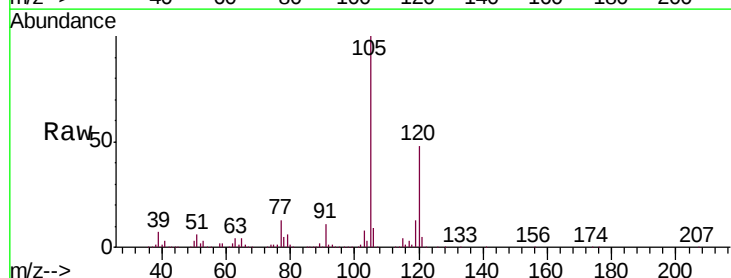
Acq: 24 Jul 2018 20:53

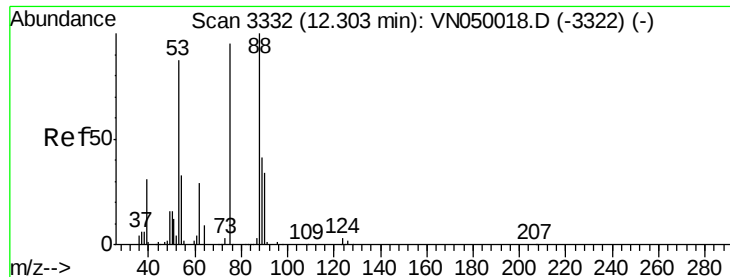
Tgt Ion: 105 Resp: 535855

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.99 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 75 Resp: 46398

Ion Ratio Lower Upper

75 100

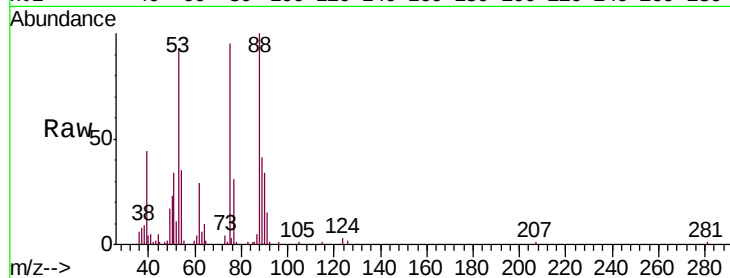
53 99.3 73.5 110.3

89 45.8 36.0 54.0

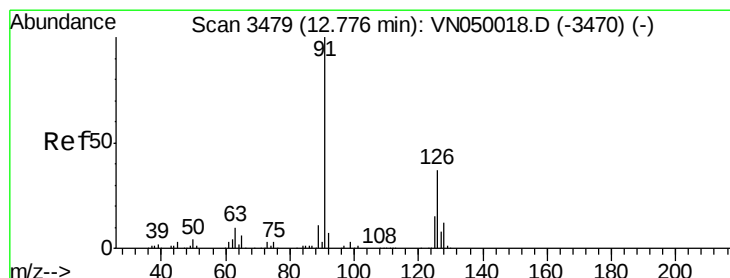
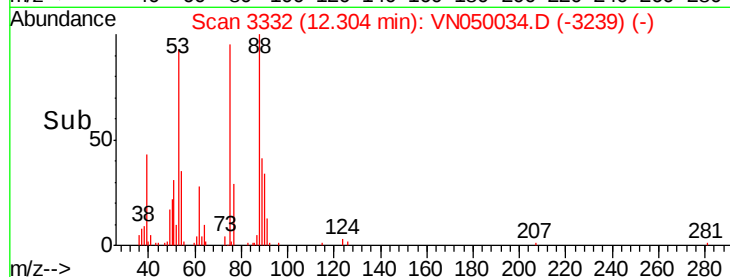
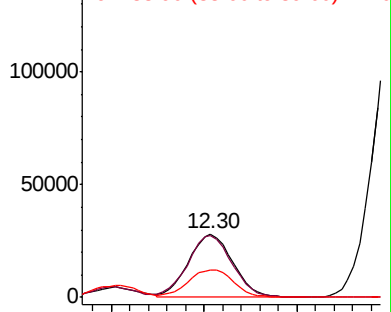
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 20.46 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050034.D

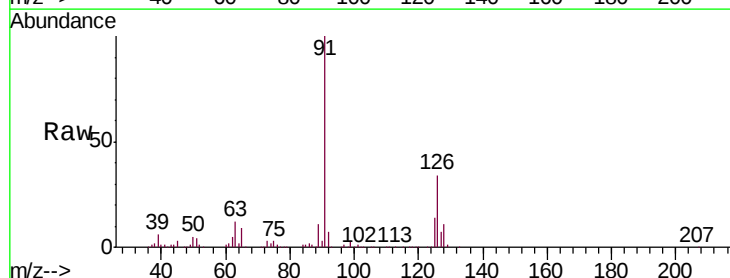
Acq: 24 Jul 2018 20:53

Tgt Ion: 91 Resp: 454045

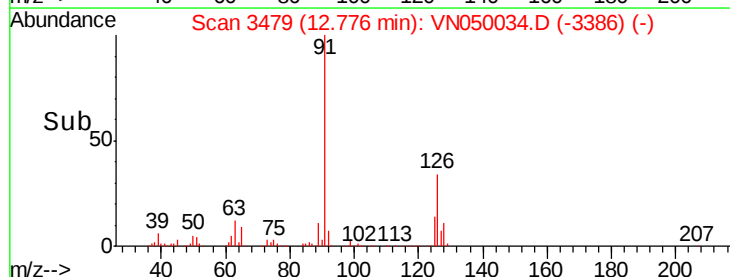
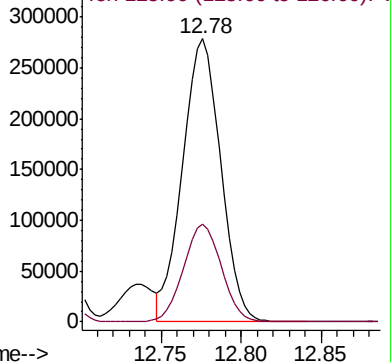
Ion Ratio Lower Upper

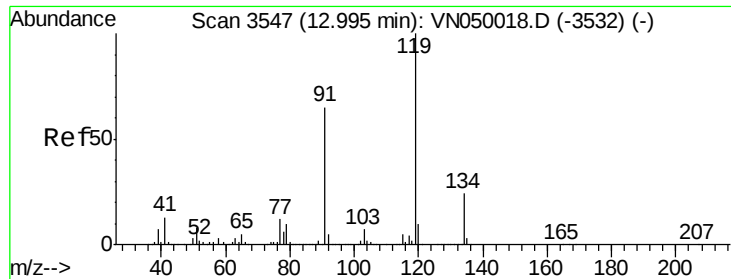
91 100

126 34.2 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V





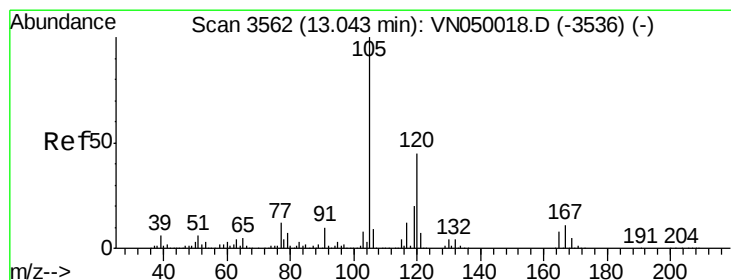
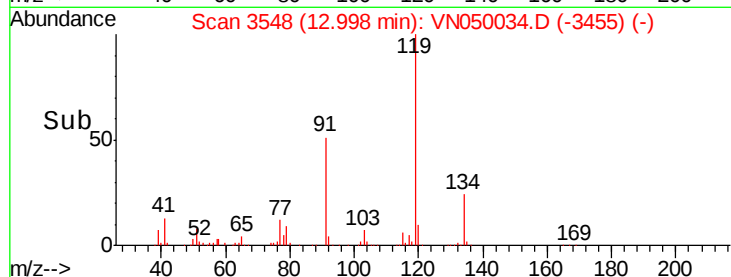
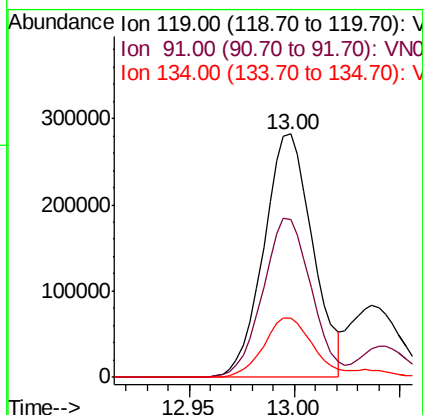
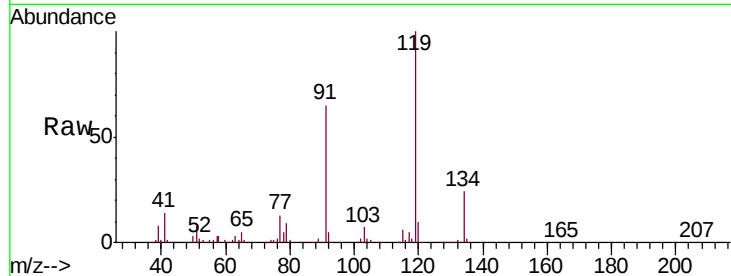
#83
tert-Butylbenzene
Concen: 20.50 ug/l
RT: 13.00 min Scan# 3548
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampled :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.1	96.3
134	24.9	13.2	39.5

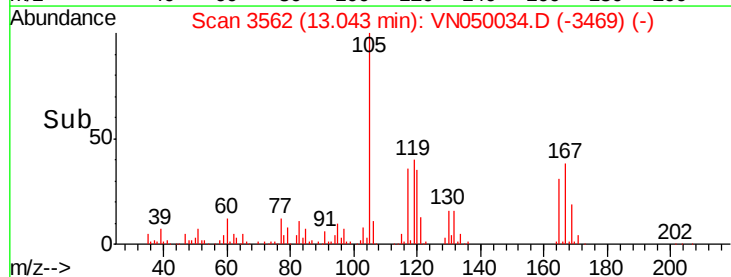
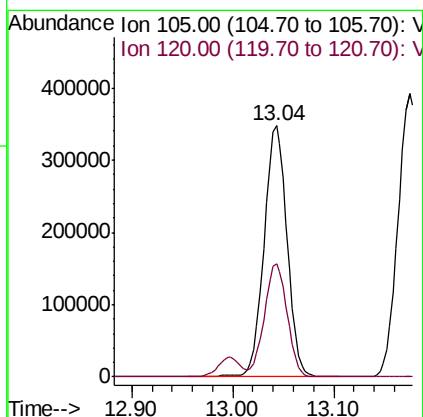
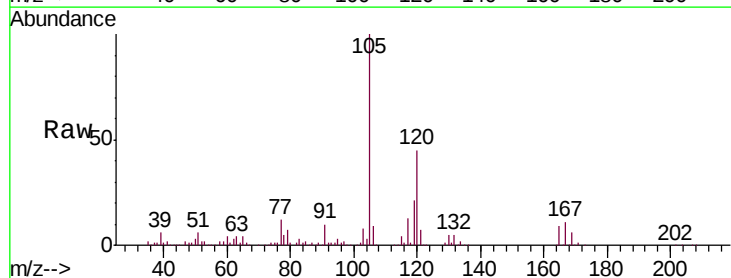
Manual Integrations
APPROVED

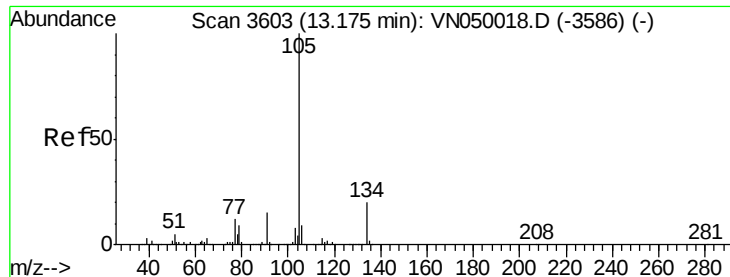
MMDadoda
7/27/2018 12:32:40 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.49 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.68 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion:105 Resp: 613553

Ion Ratio Lower Upper

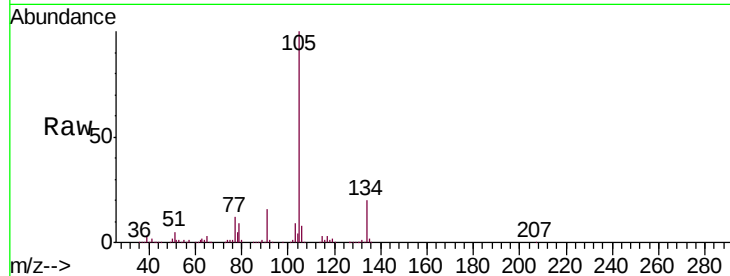
105 100

134 20.2 10.1 30.1

Manual Integrations
APPROVED

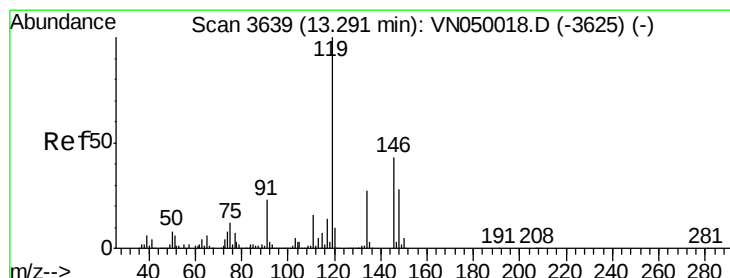
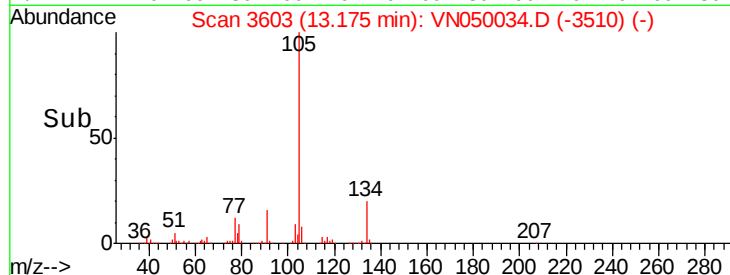
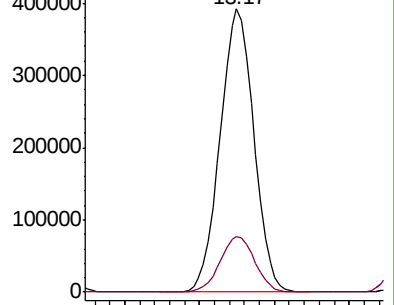
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.86 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

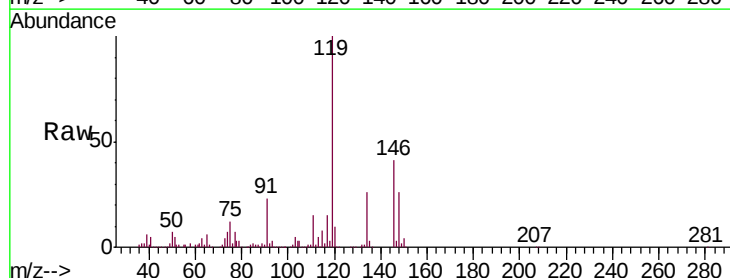
Tgt Ion:119 Resp: 521441

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

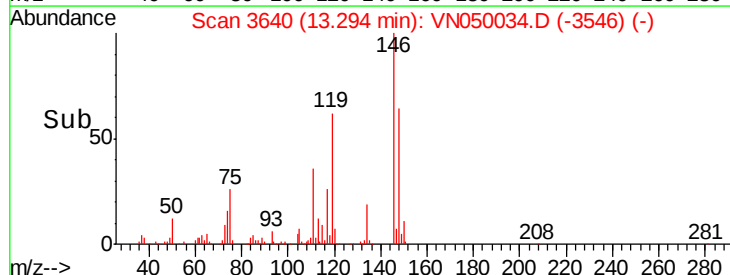
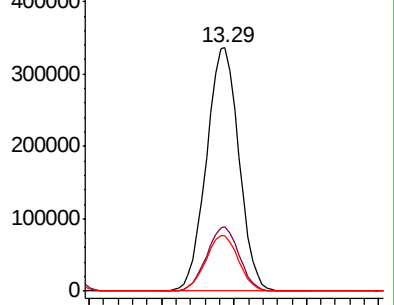
91 23.0 11.4 34.2



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





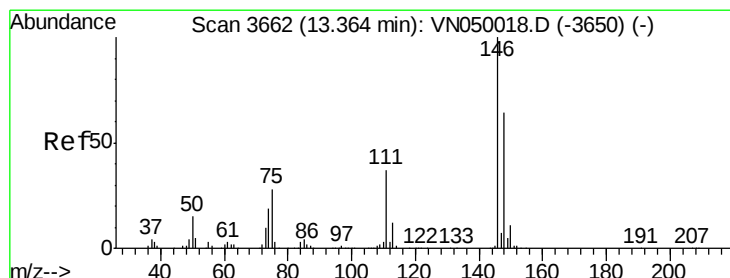
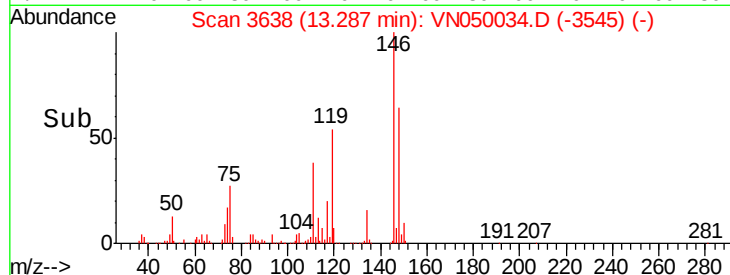
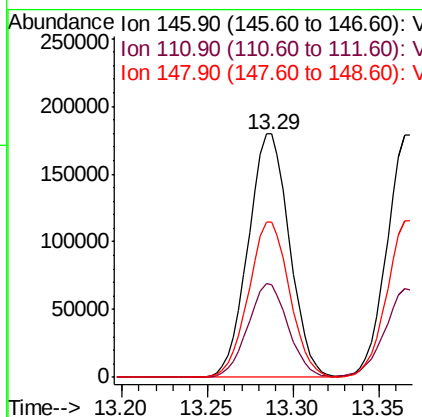
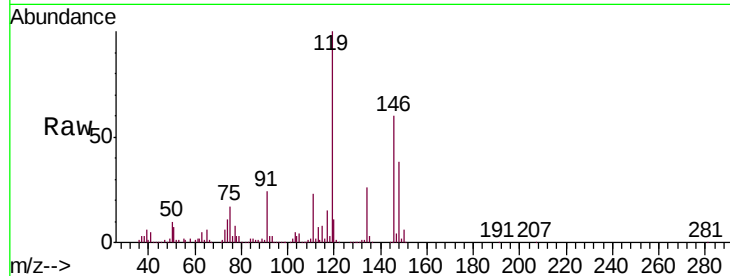
#87
1,3-Dichlorobenzene
Concen: 19.73 ug/l
RT: 13.29 min Scan# 3638
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	63.3	31.9	95.9

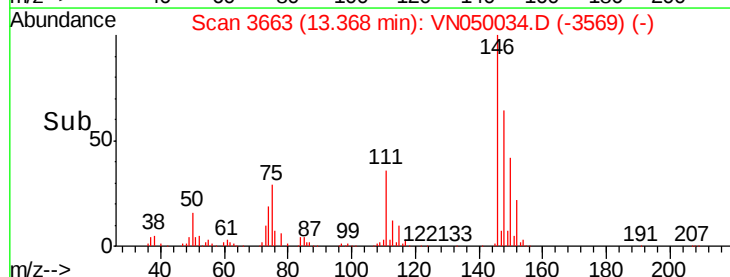
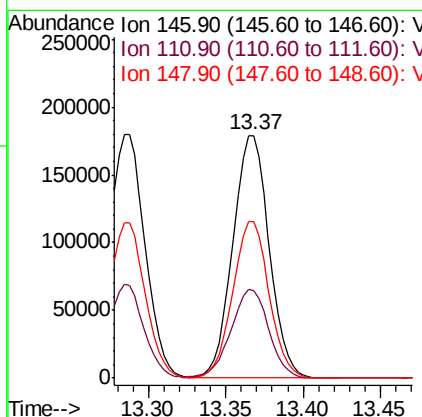
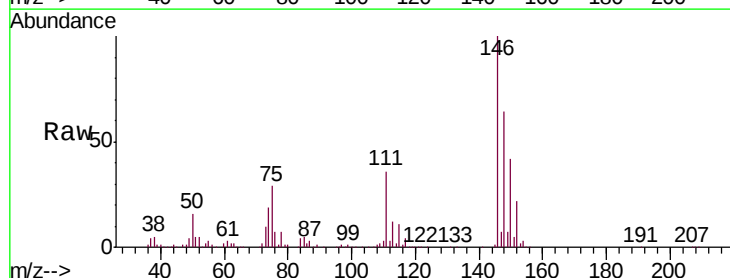
Manual Integrations
APPROVED

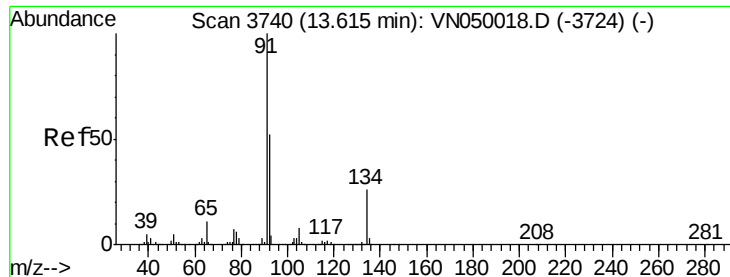
MMDadoda
7/27/2018 12:32:40 PM



#88
1,4-Dichlorobenzene
Concen: 19.68 ug/l
RT: 13.37 min Scan# 3663
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.3	54.9
148	64.5	31.9	95.9





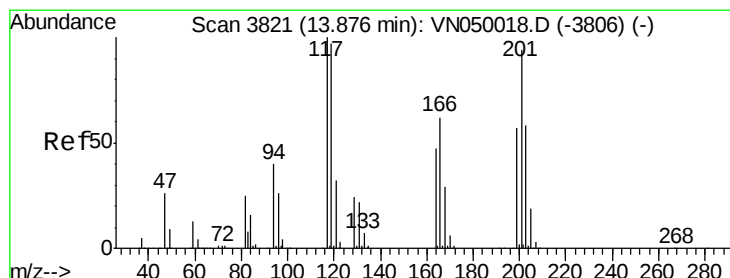
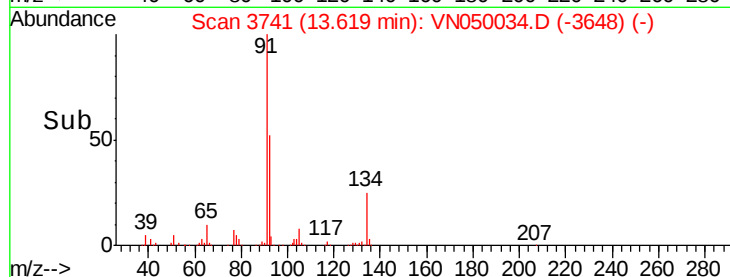
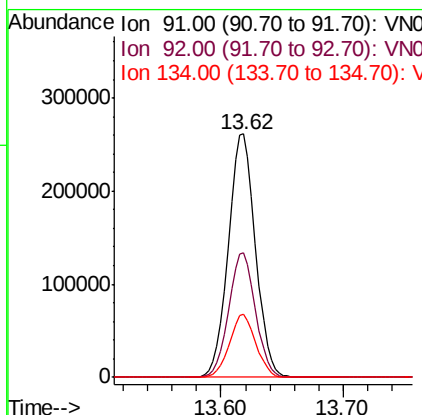
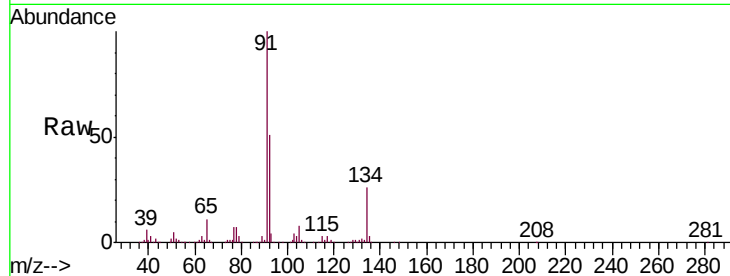
#89
n-Butylbenzene
Concen: 19.73 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Instrument :
MSVOA_N
ClientSampled :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	25.8	77.4
134	25.1	12.8	38.4

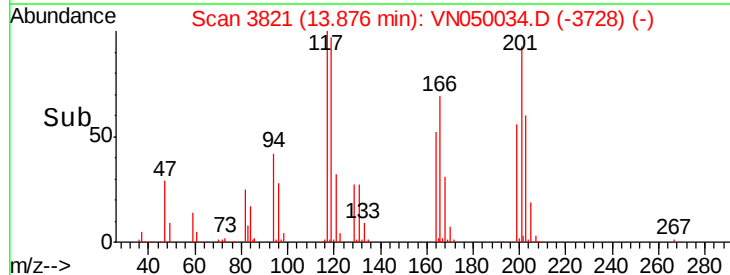
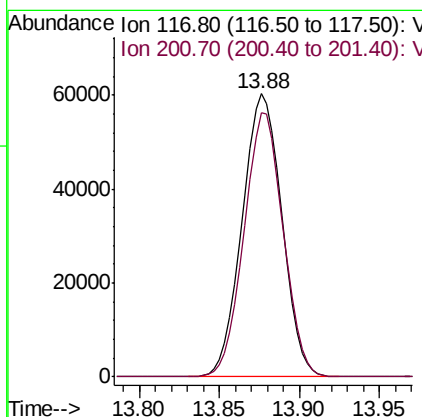
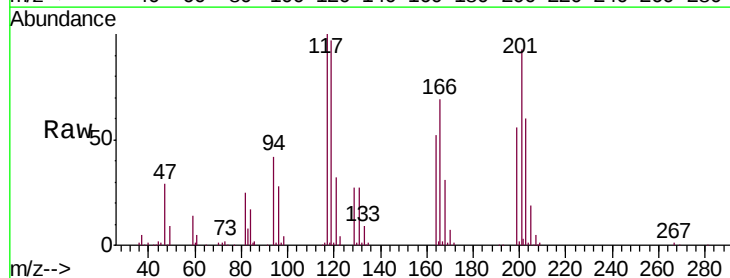
Manual Integrations
APPROVED

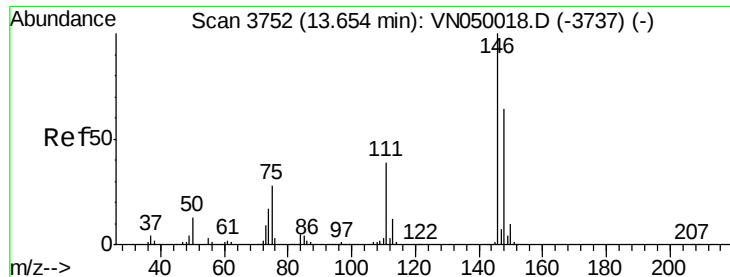
MMDadoda
7/27/2018 12:32:40 PM



#90
Hexachloroethane
Concen: 18.38 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050034.D
Acq: 24 Jul 2018 20:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.9	45.6	136.8





#91

1,2-Dichlorobenzene

Concen: 19.57 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

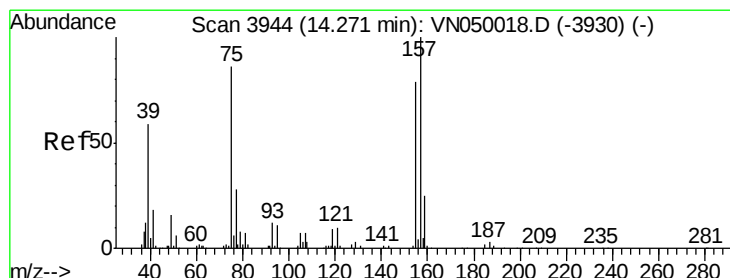
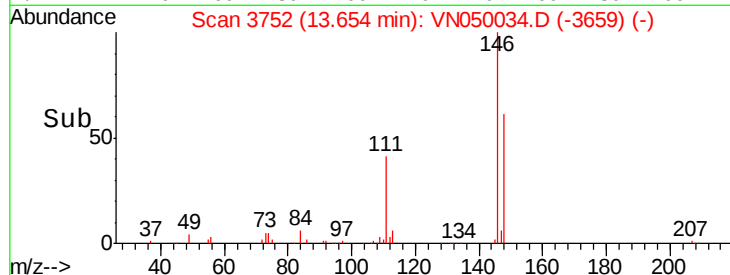
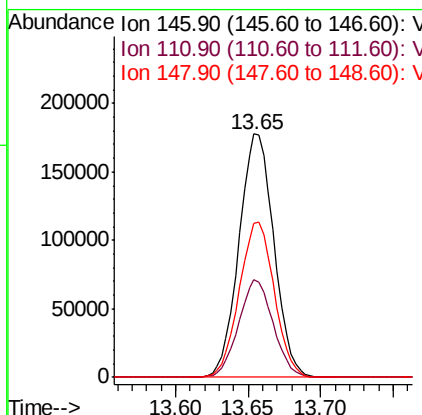
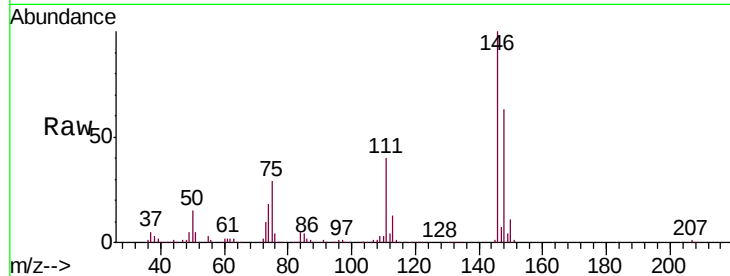
ClientSampleId :

VN0724WBSD01

Tot Ion:	146	Resp:	297230
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.6	58.7
148	64.1	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.02 ug/l

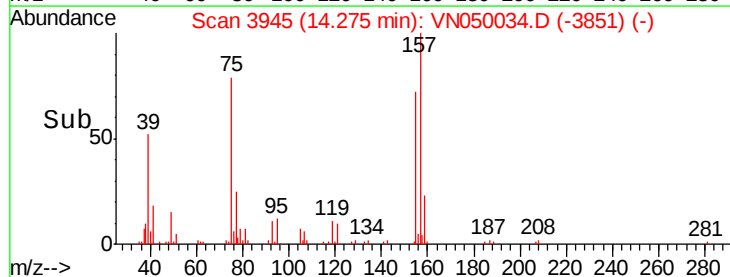
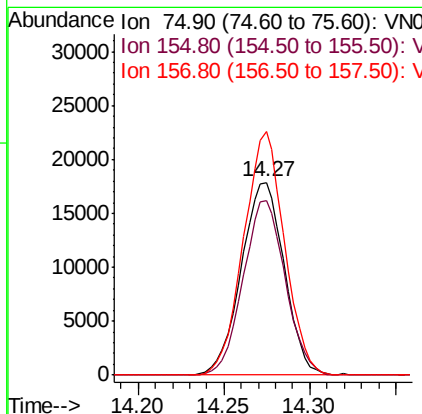
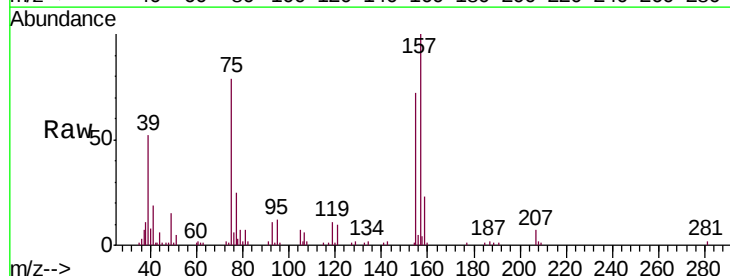
RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Tgt Ion:	75	Resp:	30971
Ion Ratio	Lower	Upper	
75	100		
155	88.7	44.8	134.4
157	119.9	57.2	171.6





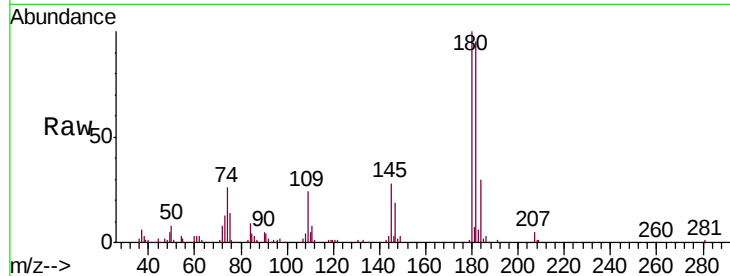
#93
 1,2,4-Trichlorobenzene
 Concen: 18.67 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050034.D
 Acq: 24 Jul 2018 20:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0724WBSD01

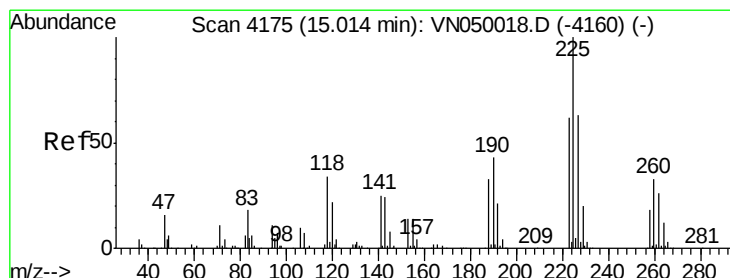
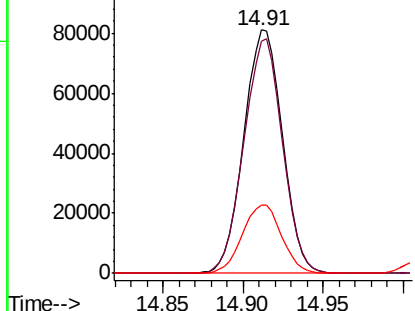
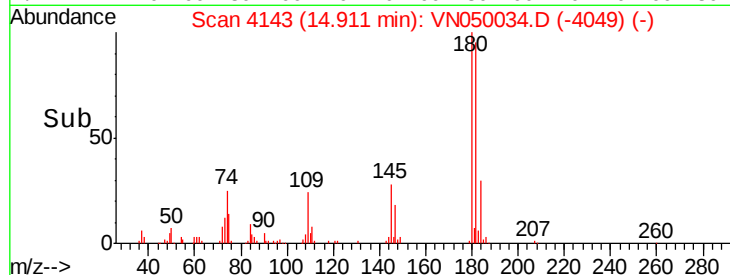
Tot Ion	Ratio	Resp	Lower	Upper
180	100	133813		
182	96.0	46.7	140.1	
145	28.5	13.8	41.4	

Manual Integrations
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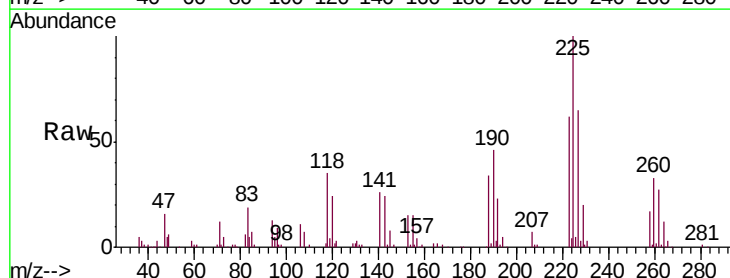


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

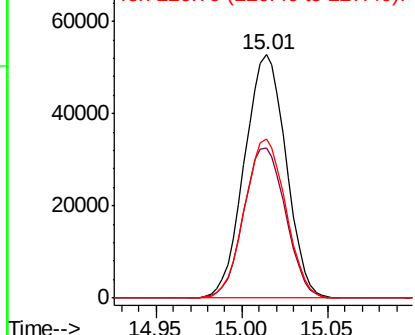
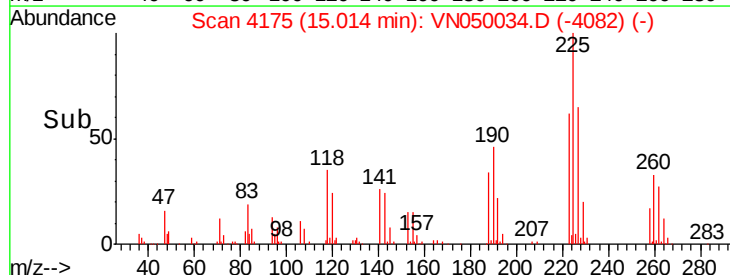


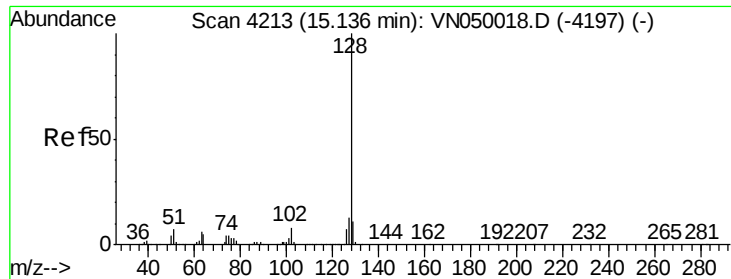
#94
 Hexachlorobutadiene
 Concen: 19.08 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050034.D
 Acq: 24 Jul 2018 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88731		
223	62.1	31.4	94.2	
227	64.7	32.1	96.5	



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: 19.21 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Instrument :

MSVOA_N

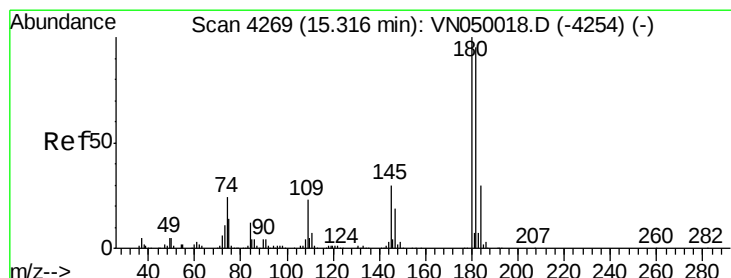
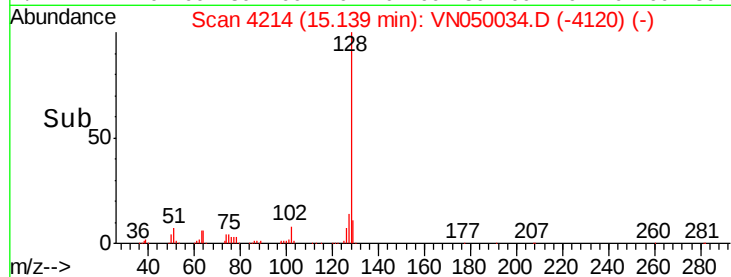
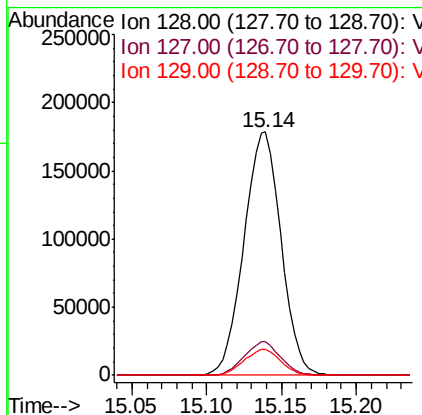
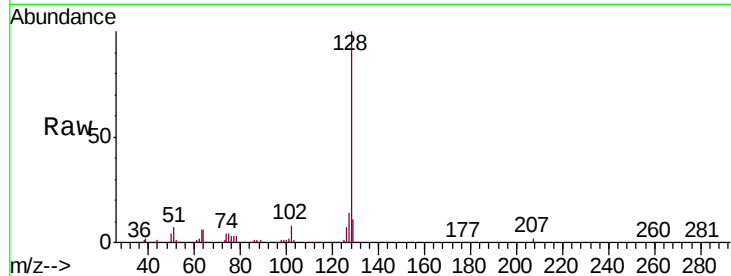
ClientSampleId :

VN0724WBSD01

Tot Ion:	128	Resp:	309172
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.4	15.6
129	10.6	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.74 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050034.D

Acq: 24 Jul 2018 20:53

Tgt Ion:	180	Resp:	143934
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.1	144.4
145	30.6	15.3	45.9

