

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049850.D
 Acq On : 17 Jul 2018 17:00
 Operator : MD\SY
 Sample : VN0717WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/18/2018 11:59:15 AM

Quant Time: Jul 18 03:44:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 17 13:20:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	641719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	950286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	869332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	450123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	452464	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.59	113	398033	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	10.09	98	1458350	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.40	95	492774	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	117245	20.22	ug/l	98
3) Chloromethane	2.06	50	159332	20.71	ug/l	99
4) Vinyl Chloride	2.18	62	175785	19.15	ug/l	99
5) Bromomethane	2.56	94	114444	23.06	ug/l	97
6) Chloroethane	2.70	64	109135	20.28	ug/l	99
7) Trichlorofluoromethane	3.01	101	232498	20.62	ug/l	99
8) Diethyl Ether	3.41	74	90220	20.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	143334	21.32	ug/l	100
10) Methyl Iodide	3.95	142	191015	20.61	ug/l	99
11) Tert butyl alcohol	4.81	59	75607	110.77	ug/l	99
12) 1,1-Dichloroethene	3.73	96	132320	19.77	ug/l	98
13) Acrolein	3.61	56	61909	118.34	ug/l	99
14) Allyl chloride	4.32	41	215413	20.27	ug/l	99
15) Acrylonitrile	4.99	53	301281	104.92	ug/l	99
16) Acetone	3.82	43	233595	115.51	ug/l	99
17) Carbon Disulfide	4.04	76	375289	20.29	ug/l	99
18) Methyl Acetate	4.33	43	162321	22.34	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	406655	21.75	ug/l	99
20) Methylene Chloride	4.55	84	155060	21.02	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	141516	20.00	ug/l	99
22) Diisopropyl ether	5.96	45	461632	21.73	ug/l	99
23) Vinyl Acetate	5.90	43	1665274	106.56	ug/l	100
24) 1,1-Dichloroethane	5.85	63	272300	20.00	ug/l	99
25) 2-Butanone	6.85	43	365848	103.40	ug/l	99
26) 2,2-Dichloropropane	6.83	77	215852	20.82	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160352	20.21	ug/l	99
28) Bromochloromethane	7.20	49	129549	20.49	ug/l	98
29) Tetrahydrofuran	7.22	42	242249	107.68	ug/l	100
30) Chloroform	7.37	83	277619	19.75	ug/l	98
31) Cyclohexane	7.65	56	227972	20.90	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	236663	19.82	ug/l	99
36) 1,1-Dichloropropene	7.79	75	204092	20.30	ug/l	100
37) Ethyl Acetate	6.94	43	161214	21.50	ug/l	99
38) Carbon Tetrachloride	7.77	117	209545	19.78	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	208727	20.16	ug/l	98
40) Benzene	8.04	78	622318	20.42	ug/l	99
41) Methacrylonitrile	7.18	41	84765	22.01	ug/l	97
42) 1,2-Dichloroethane	8.13	62	204523	19.73	ug/l	100
43) Isopropyl Acetate	8.17	43	279230	21.88	ug/l	98
44) Trichloroethene	8.84	130	161534	20.15	ug/l	99
45) 1,2-Dichloropropane	9.12	63	165037	20.33	ug/l	99
46) Dibromomethane	9.21	93	105443	20.35	ug/l	97
47) Bromodichloromethane	9.40	83	213277	20.26	ug/l	98
48) Methyl methacrylate	9.20	41	134253	21.22	ug/l	98
49) 1,4-Dioxane	9.20	88	42948	447.83	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	814125	108.48	ug/l	99
52) Toluene	10.16	92	381322	20.88	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	215633	20.98	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	241051	20.89	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	149744	19.98	ug/l	99
56) Ethyl methacrylate	10.43	69	200123	22.04	ug/l	99
57) 1,3-Dichloropropane	10.71	76	249741	20.57	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	473352	110.46	ug/l	100
59) 2-Hexanone	10.75	43	558282	108.50	ug/l	99
60) Dibromochloromethane	10.90	129	165631	19.85	ug/l	98
61) 1,2-Dibromoethane	11.01	107	148158	20.17	ug/l	97
64) Tetrachloroethene	10.63	164	147441	19.94	ug/l	97
65) Chlorobenzene	11.44	112	414049	20.09	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	156837	19.82	ug/l	99
67) Ethyl Benzene	11.51	91	702463	21.20	ug/l	100
68) m/p-Xylenes	11.62	106	544722	43.33	ug/l	98
69) o-Xylene	11.95	106	260875	21.76	ug/l	97
70) Styrene	11.97	104	428441	22.05	ug/l	100
71) Bromoform	12.13	173	118941	19.52	ug/l #	100
73) Isopropylbenzene	12.25	105	694215	21.30	ug/l	100
74) N-amyl acetate	12.07	43	229179	21.28	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	205496	19.66	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	175958m	19.98	ug/l	
77) Bromobenzene	12.53	156	187312	20.96	ug/l	97
78) n-propylbenzene	12.59	91	791366	21.58	ug/l	99
79) 2-Chlorotoluene	12.68	91	482685	21.32	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	567912	22.23	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	56060	20.83	ug/l	97
82) 4-Chlorotoluene	12.77	91	481177	21.51	ug/l	99
83) tert-Butylbenzene	12.99	119	491473	21.95	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	581183	22.31	ug/l	100
85) sec-Butylbenzene	13.17	105	654722	21.74	ug/l	100
86) p-Isopropyltoluene	13.29	119	564943	22.18	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	316880	20.63	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	310947	20.61	ug/l	99
89) n-Butylbenzene	13.62	91	451909	21.64	ug/l	99
90) Hexachloroethane	13.88	117	108861	20.97	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	318226	20.38	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34124	21.78	ug/l	97

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Misc : 5.00mL/MSVOA N/WATER
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Jul 17 13:20:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	161044	23.16	ug/l	98
94) Hexachlorobutadiene	15.01	225	98405	20.17	ug/l	98
95) Naphthalene	15.14	128	404214	22.65	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	167825	22.82	ug/l	99

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

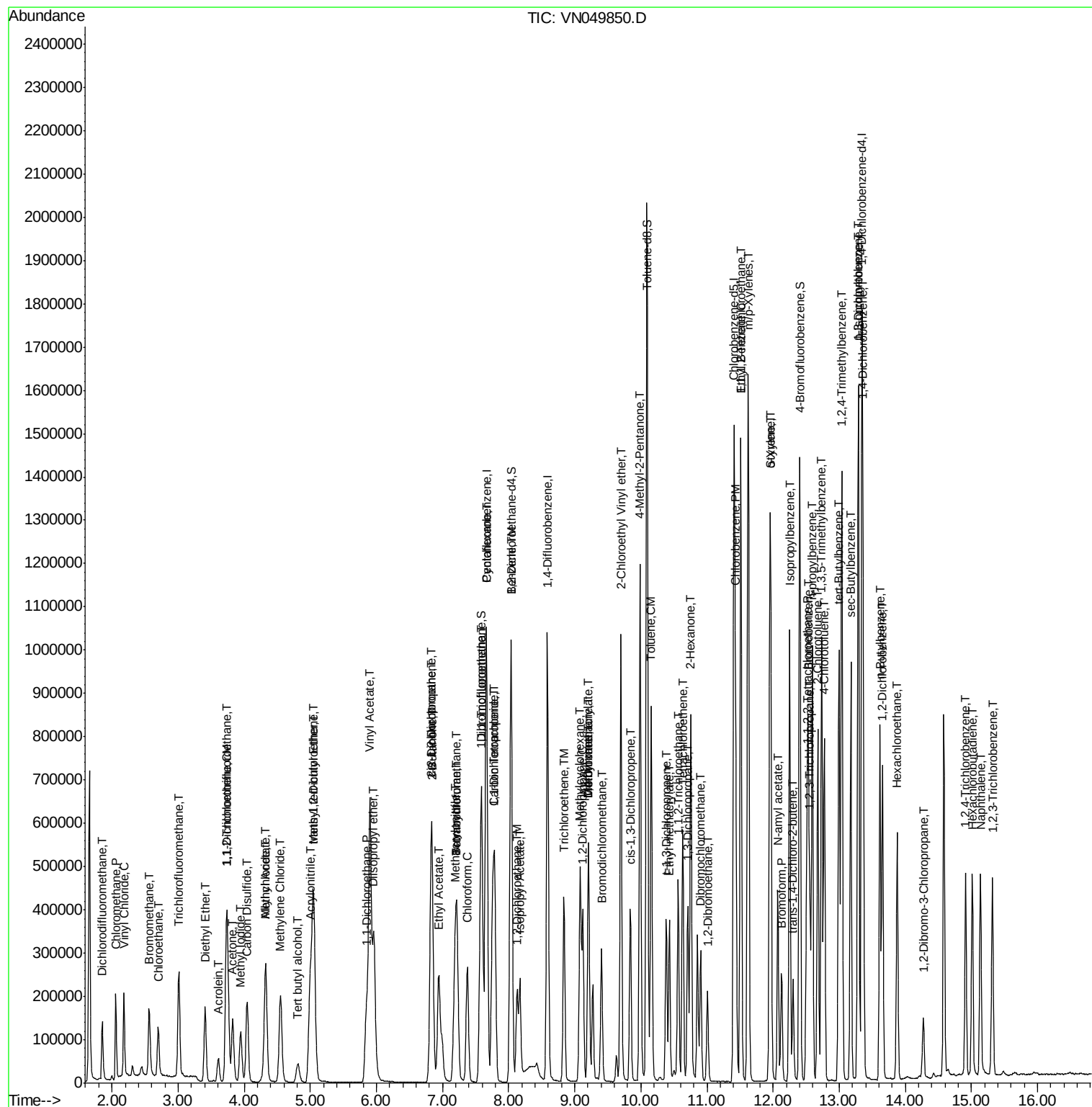
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
Data File : VN049850.D
Acq On : 17 Jul 2018 17:00
Operator : MD\SY
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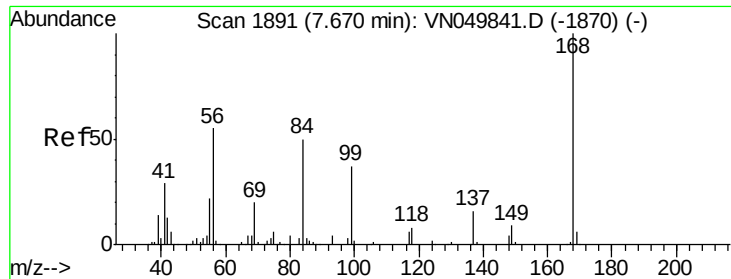
Instrument :
MSVOA_N
Client Sample Id :
VN0717WBS01

Manual Integrations
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Quant Title : SW846 8260
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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: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion:168 Resp: 641719

Ion Ratio Lower Upper

168 100

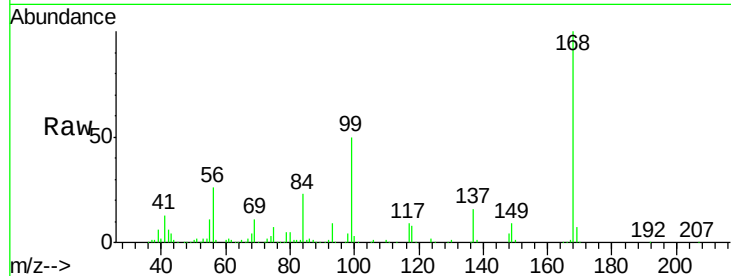
99 49.9 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

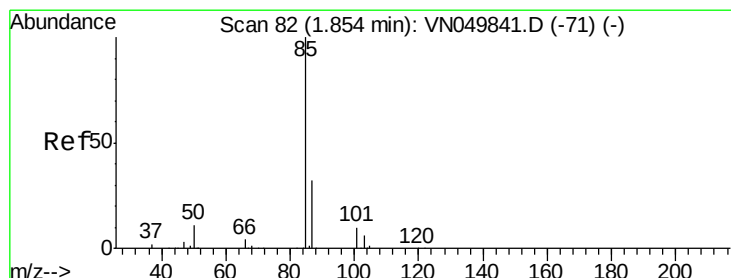
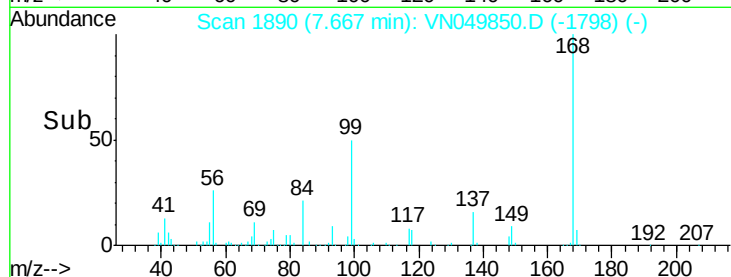
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.22 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049850.D

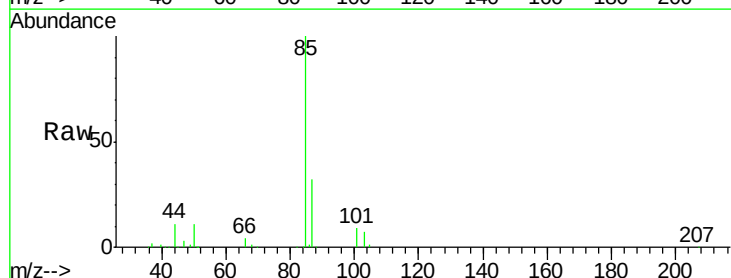
Acq: 17 Jul 2018 17:00

Tgt Ion: 85 Resp: 117245

Ion Ratio Lower Upper

85 100

87 32.0 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

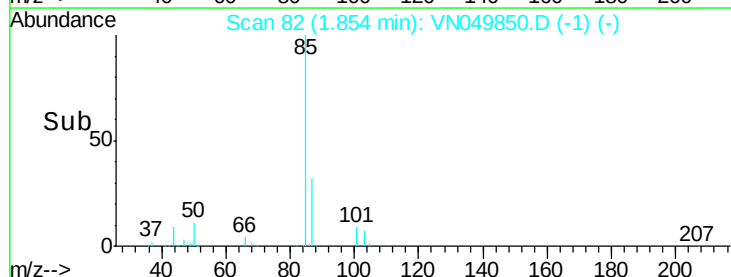
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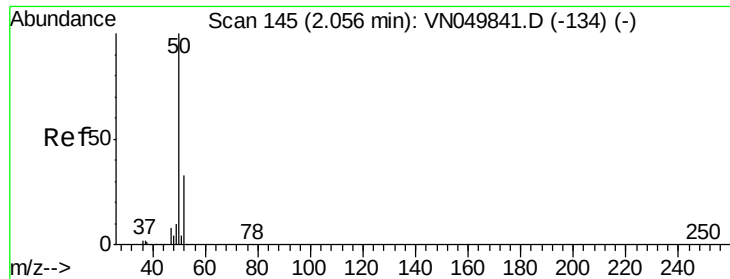
40000

20000

0

Time-->





#3

Chloromethane

Concen: 20.71 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion: 50 Resp: 159332

Ion Ratio Lower Upper

50 100

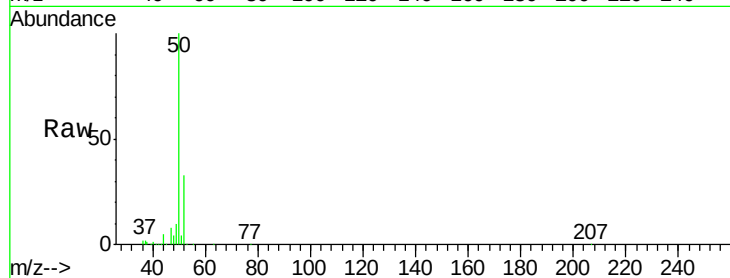
52 33.1 26.1 39.1

Manual Integrations

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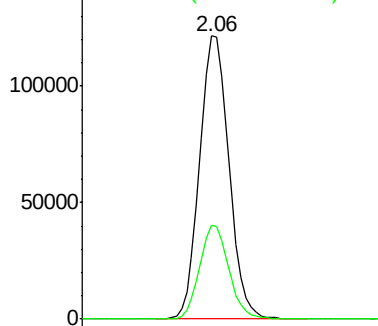
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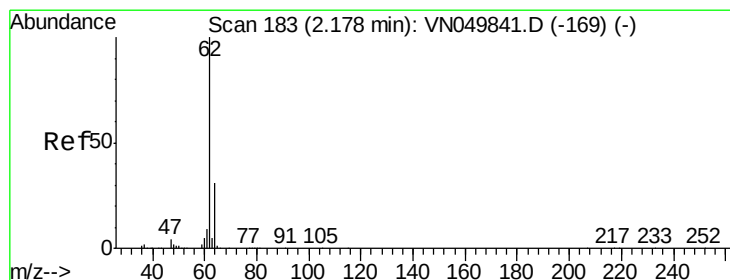
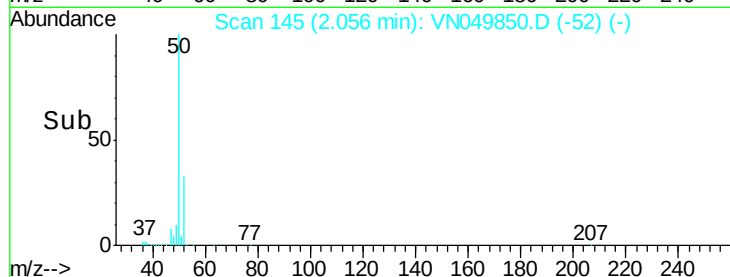


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 19.15 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049850.D

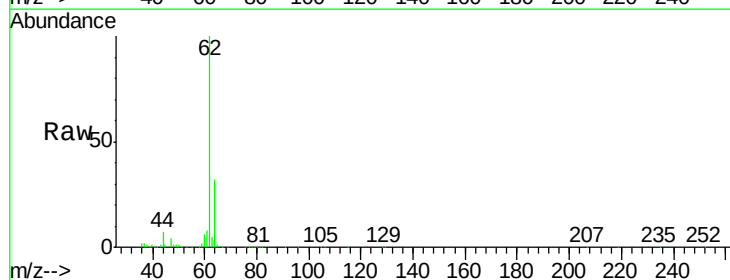
Acq: 17 Jul 2018 17:00

Tgt Ion: 62 Resp: 175785

Ion Ratio Lower Upper

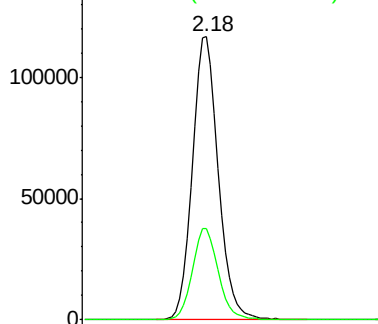
62 100

64 32.2 25.4 38.0

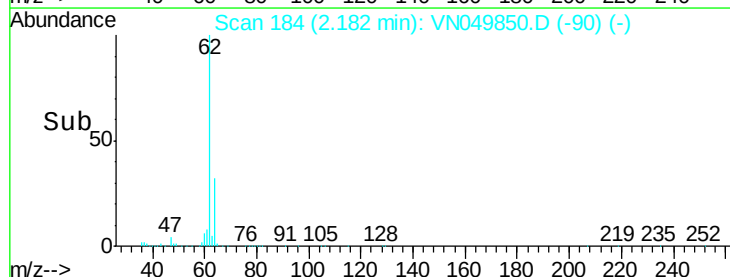


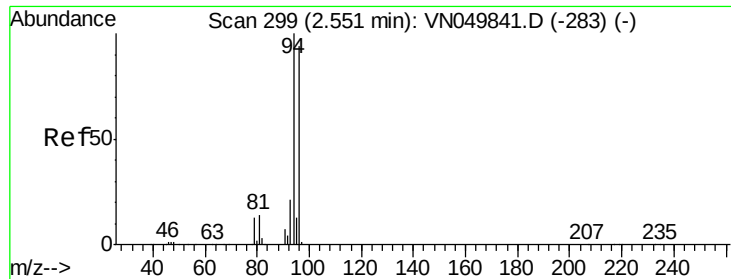
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 23.06 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion: 94 Resp: 114444

Ion Ratio Lower Upper

94 100

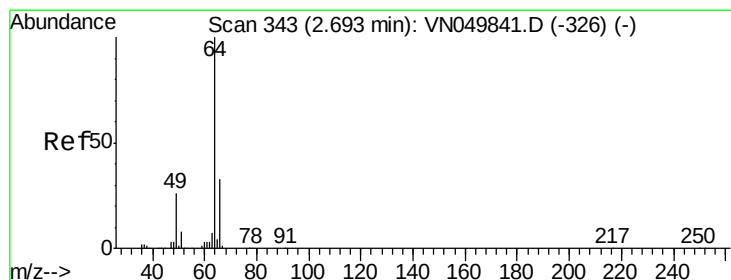
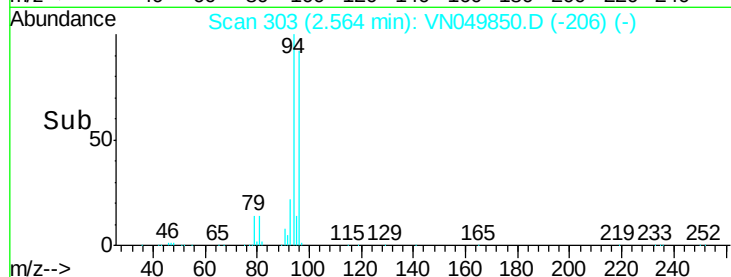
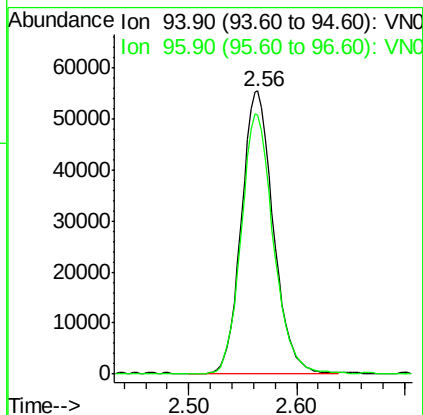
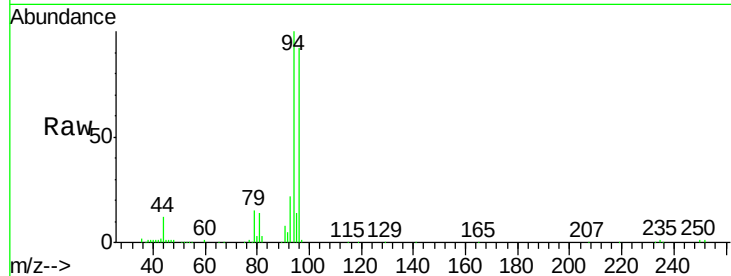
96 91.7 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 20.28 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN049850.D

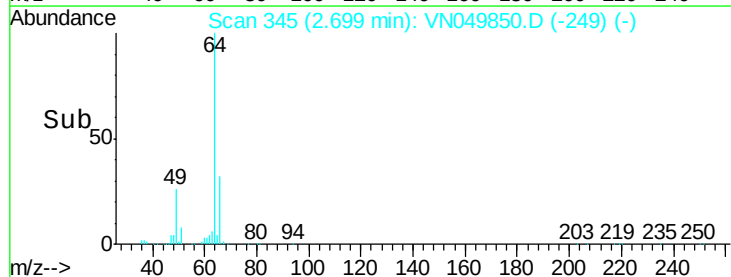
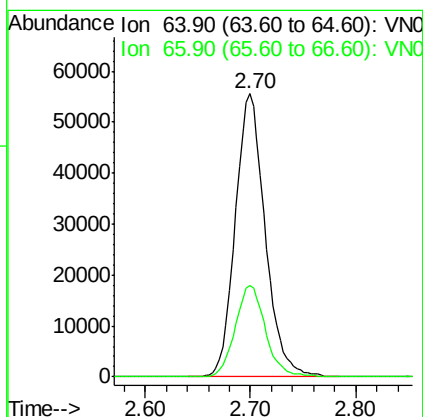
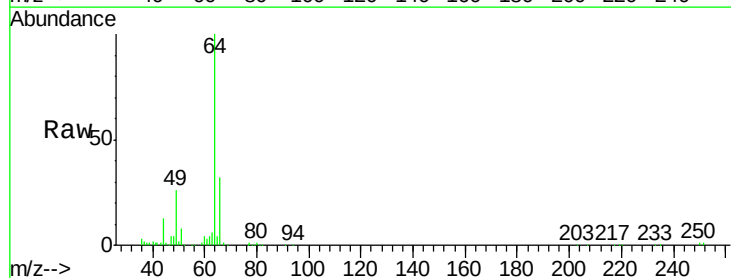
Acq: 17 Jul 2018 17:00

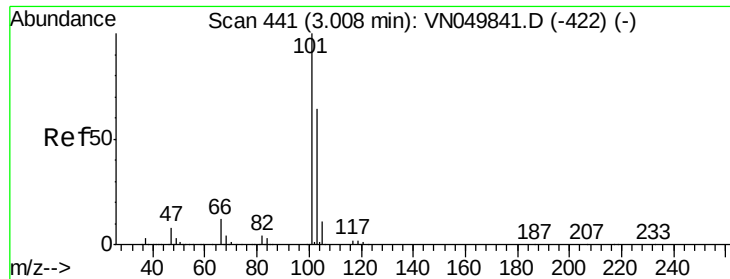
Tgt Ion: 64 Resp: 109135

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4





#7

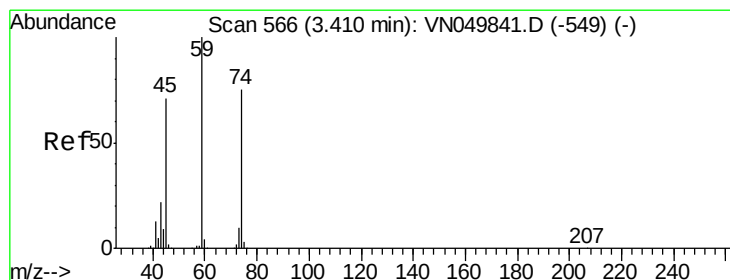
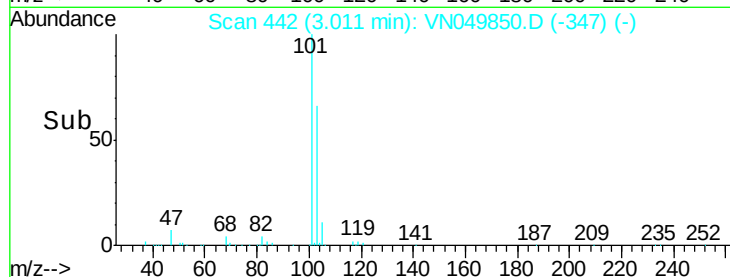
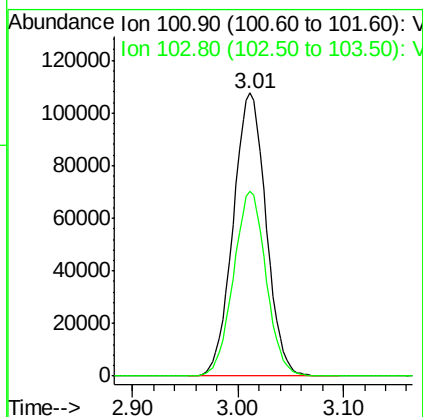
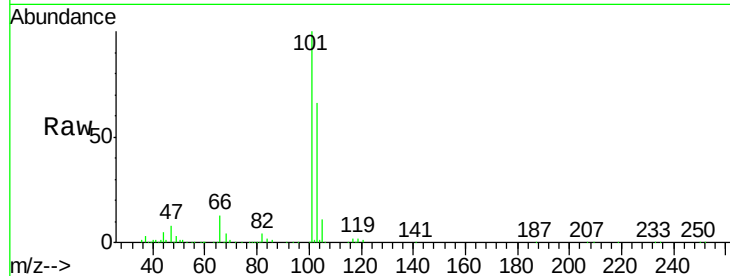
Trichlorofluoromethane
 Concen: 20.62 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Instrument :
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 ClientSampleId :
 VN0717WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.8	79.2

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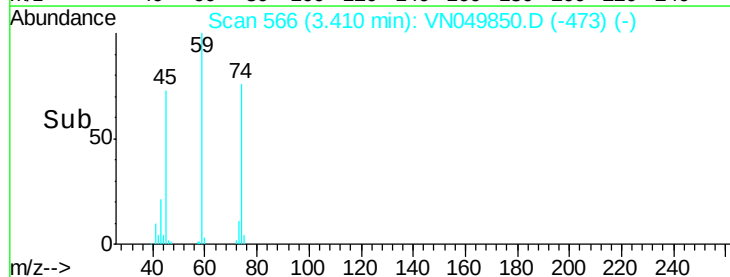
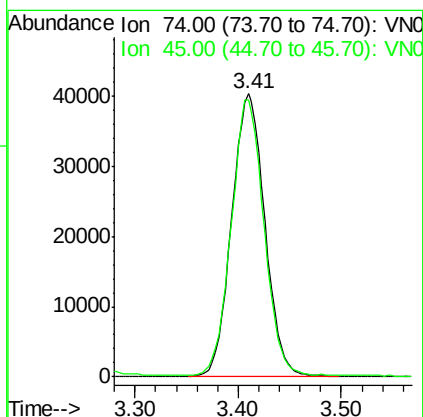
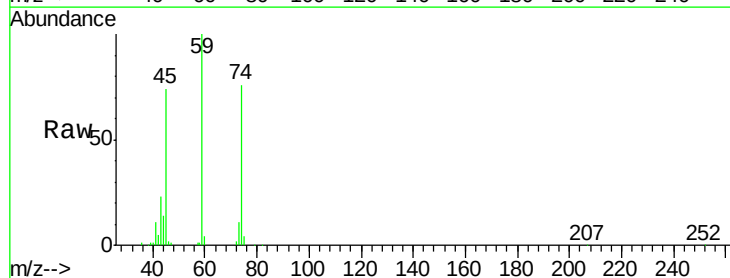
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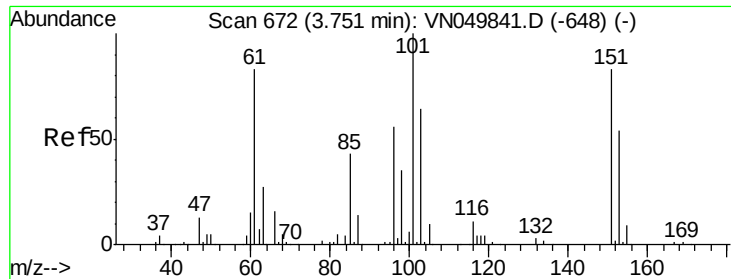


#8

Diethyl Ether
 Concen: 20.46 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.32 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

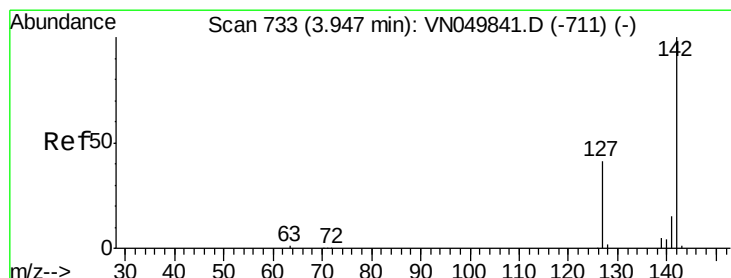
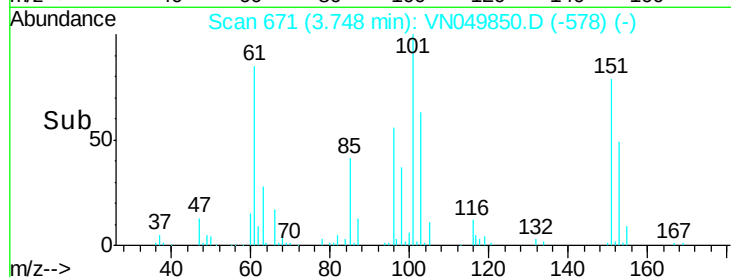
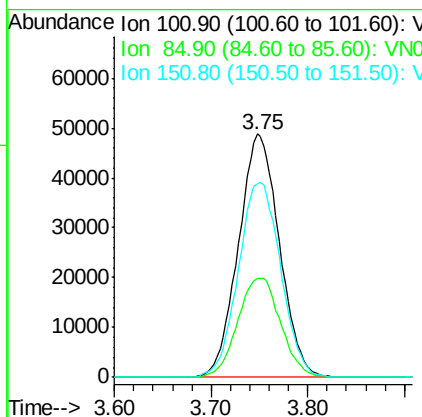
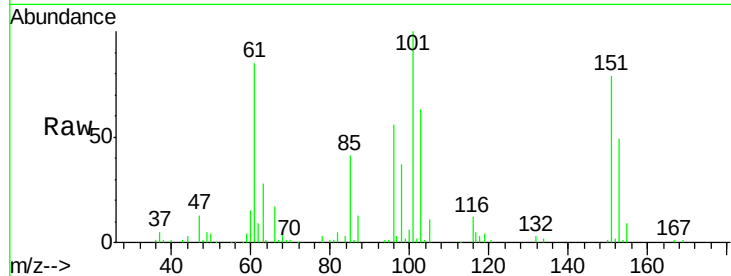
ClientSampleId :

VN0717WBS01

Tot Ion:	101	Resp:	143334
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.4	51.6
151	82.9	66.2	99.4

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#10

Methyl Iodide

Concen: 20.61 ug/l

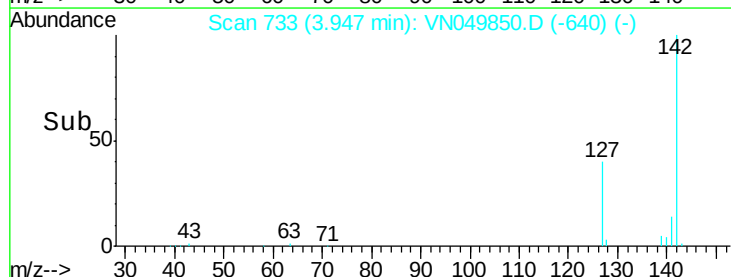
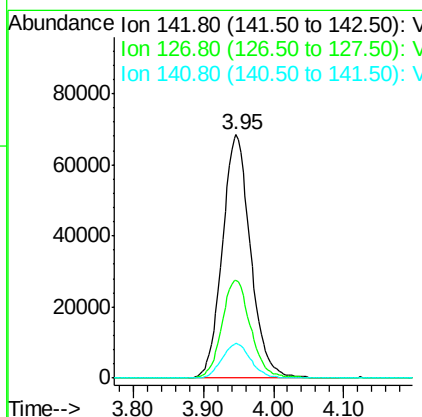
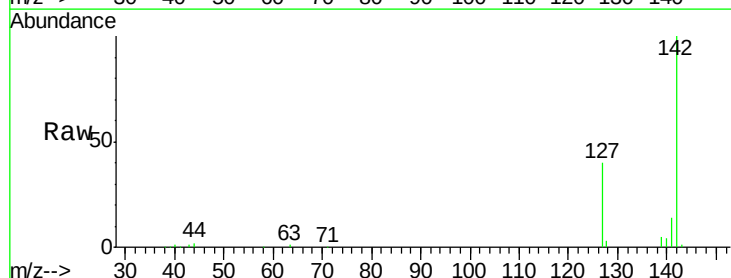
RT: 3.95 min Scan# 733

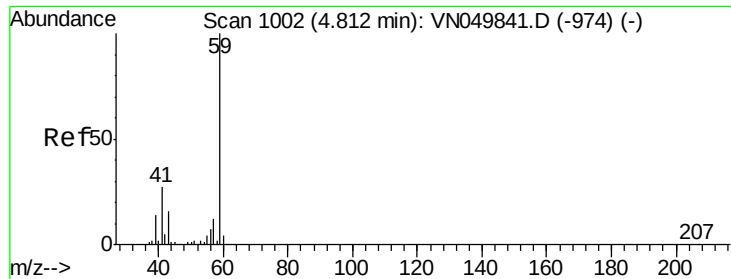
Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Tgt Ion:	142	Resp:	191015
Ion Ratio	Lower	Upper	
142	100		
127	40.8	32.5	48.7
141	14.5	11.1	16.7





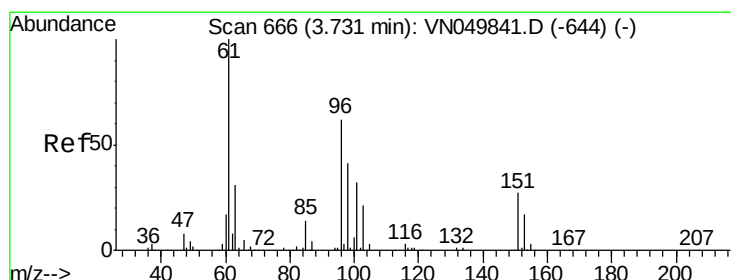
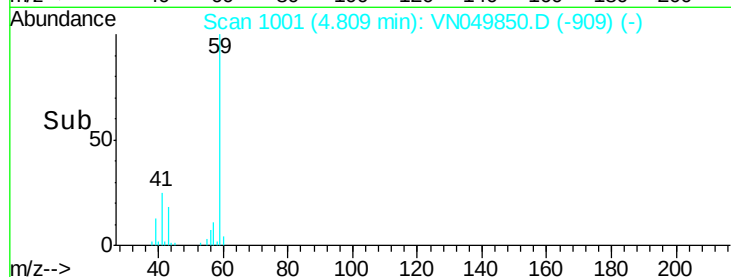
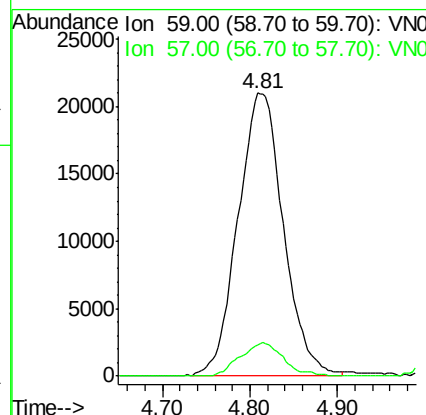
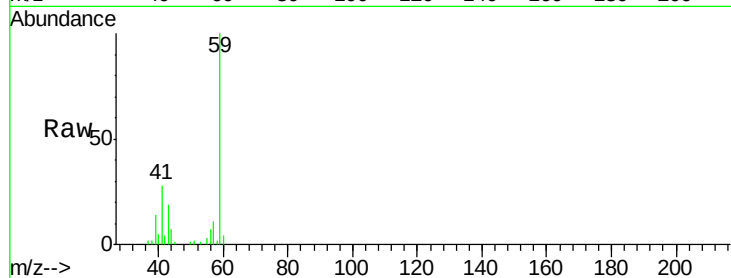
#11
Tert butyl alcohol
Concen: 110.77 ug/l
RT: 4.81 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion: 59 Resp: 75607
Ion Ratio Lower Upper
59 100
57 10.9 8.5 12.7

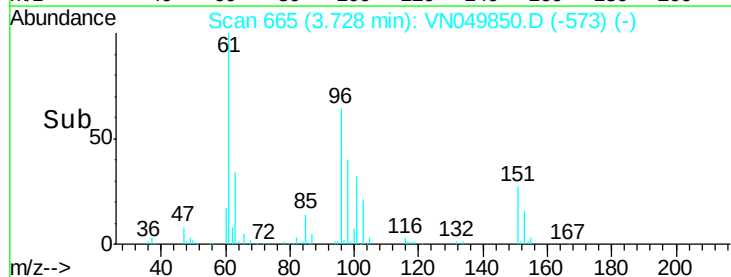
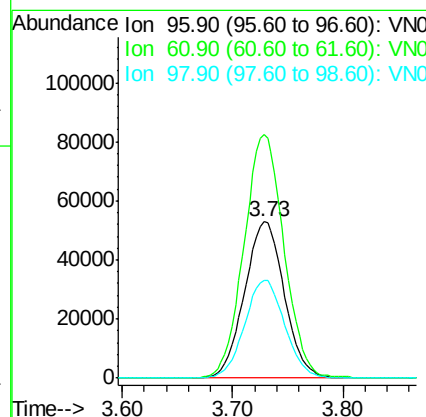
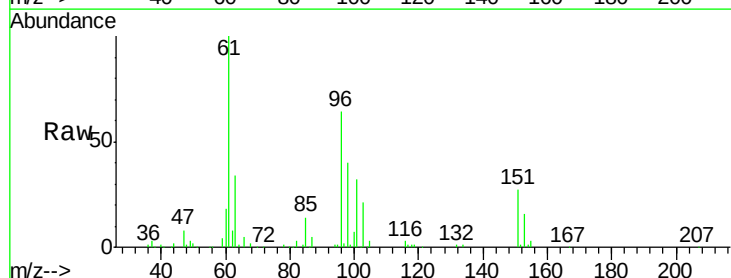
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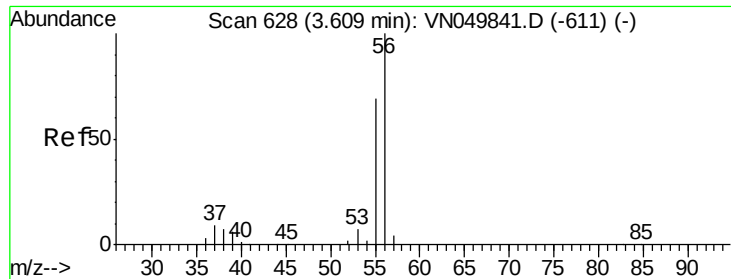
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.77 ug/l
RT: 3.73 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion: 96 Resp: 132320
Ion Ratio Lower Upper
96 100
61 155.7 126.5 189.7
98 62.8 51.0 76.6





#13

Acrolein

Concen: 118.34 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion: 56 Resp: 61909

Ion Ratio Lower Upper

56 100

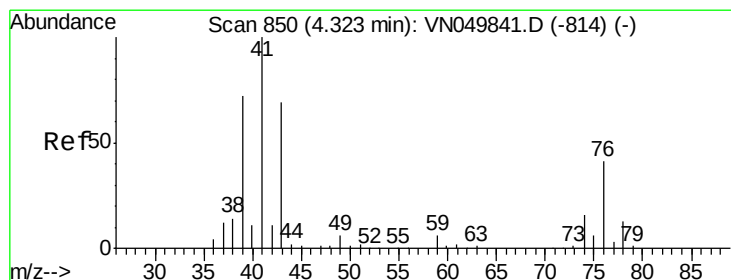
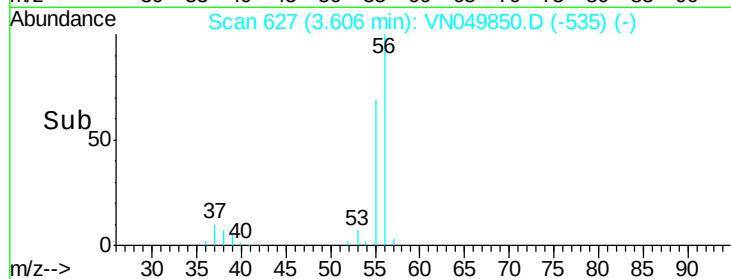
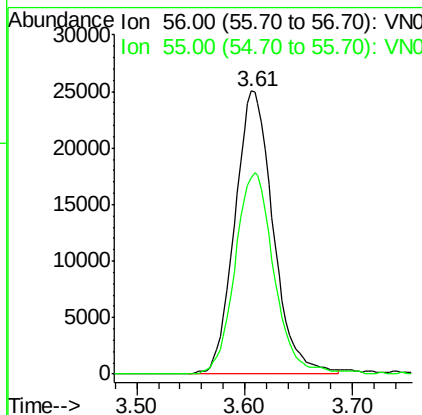
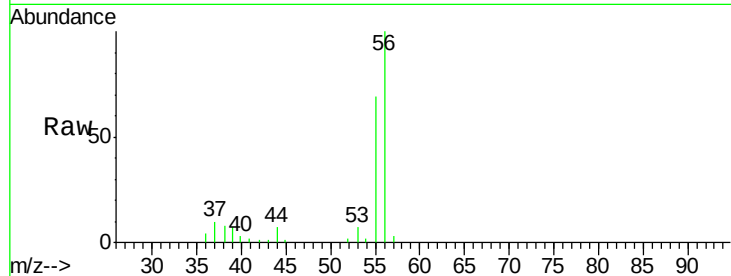
55 70.9 55.8 83.8

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#14

Allyl chloride

Concen: 20.27 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

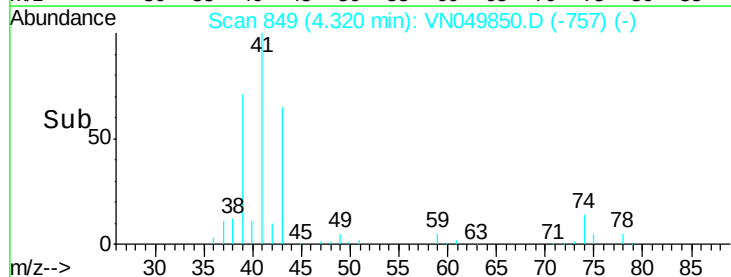
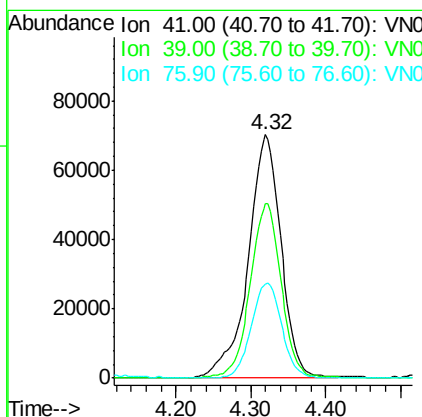
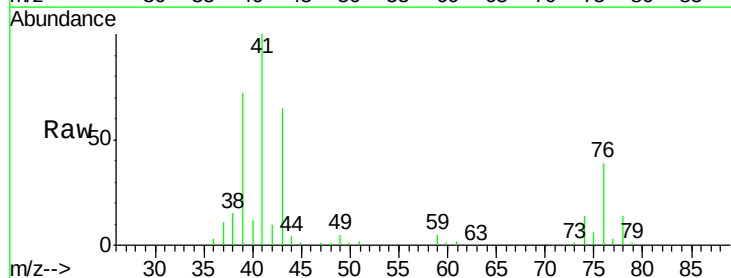
Tgt Ion: 41 Resp: 215413

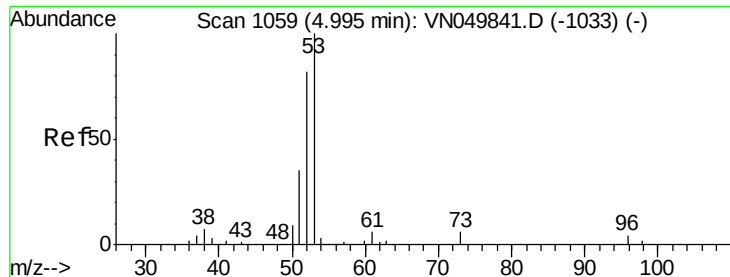
Ion Ratio Lower Upper

41 100

39 67.6 53.2 79.8

76 36.1 29.0 43.6





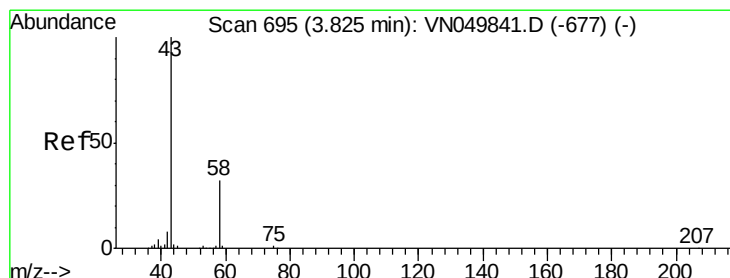
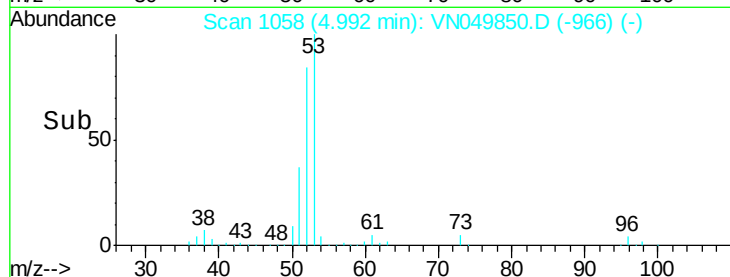
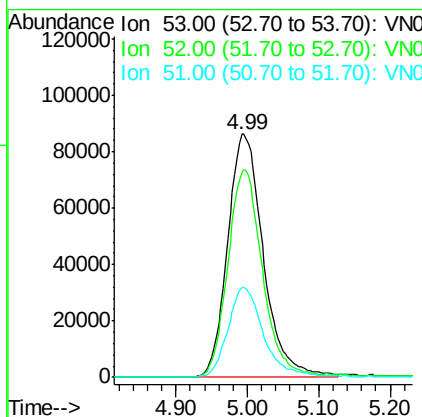
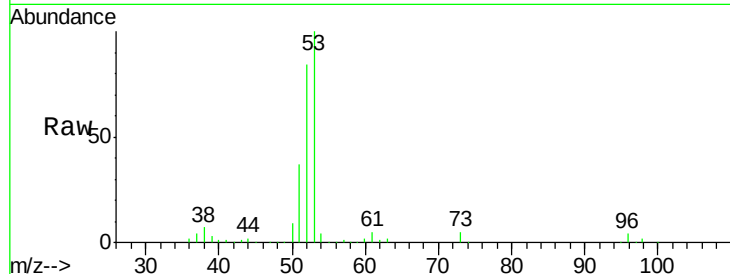
#15
 Acrylonitrile
 Concen: 104.92 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.4	64.8	97.2
51	36.7	28.9	43.3

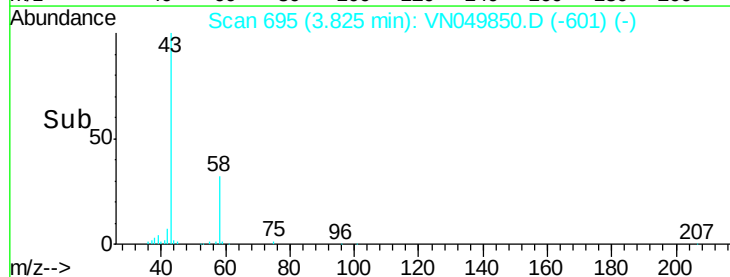
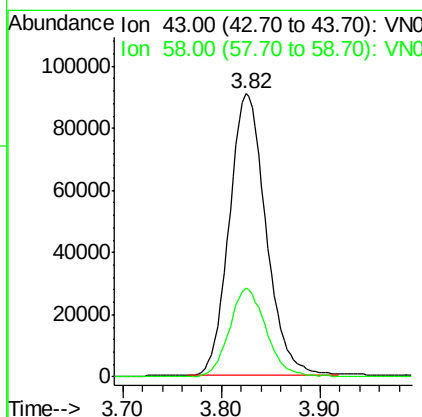
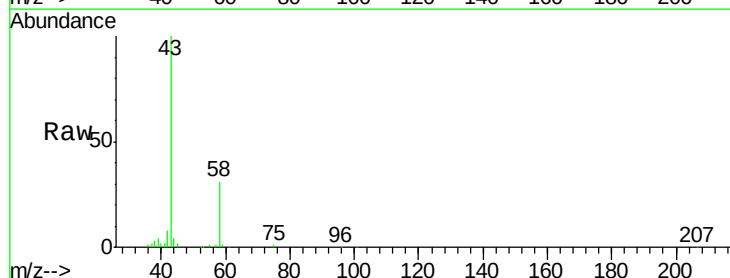
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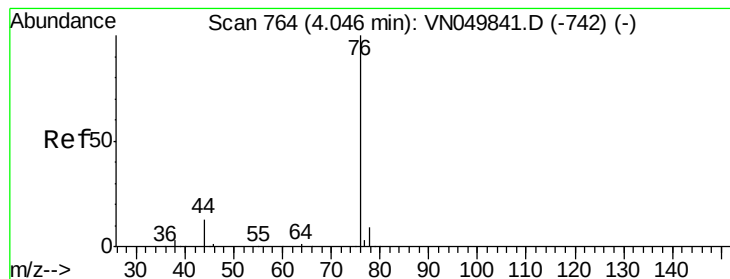
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#16
 Acetone
 Concen: 115.51 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.9	38.9





#17

Carbon Disulfide

Concen: 20.29 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion: 76 Resp: 375289

Ion Ratio Lower Upper

76 100

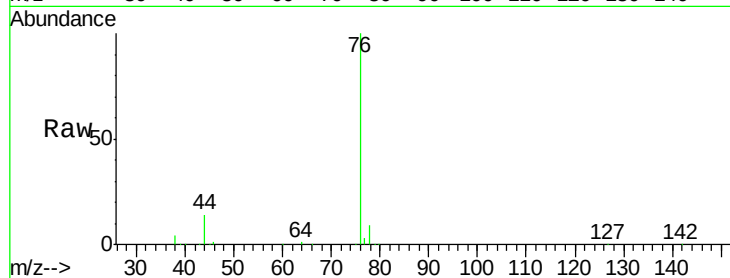
78 9.3 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

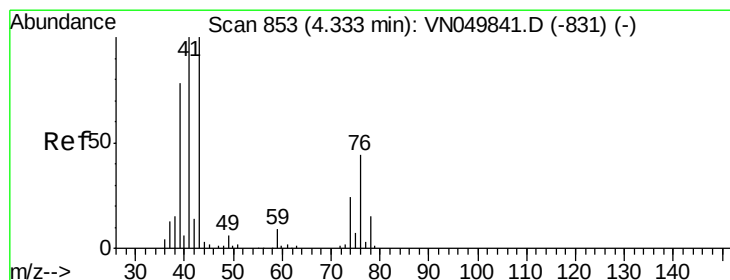
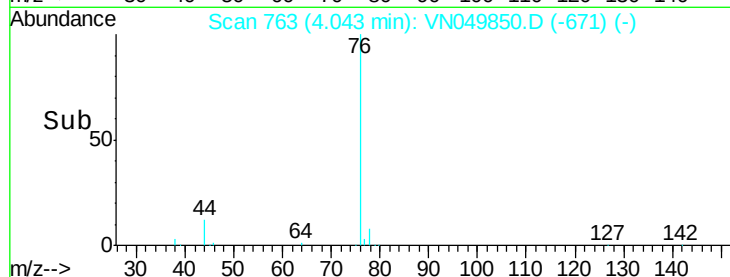
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.34 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049850.D

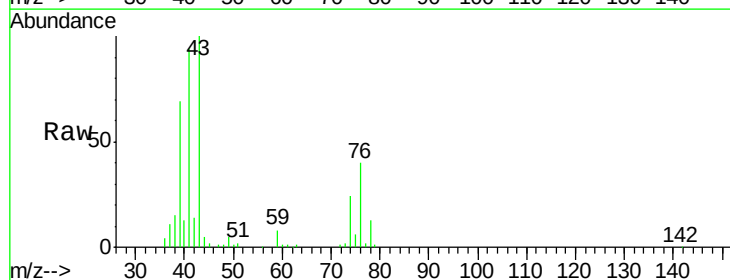
Acq: 17 Jul 2018 17:00

Tgt Ion: 43 Resp: 162321

Ion Ratio Lower Upper

43 100

74 23.5 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

60000

50000

40000

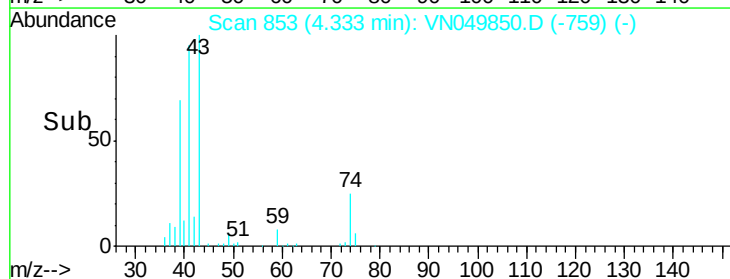
30000

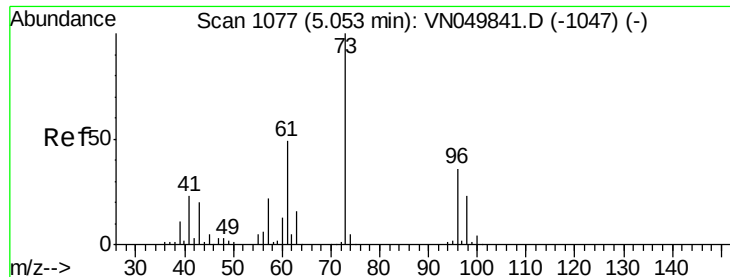
20000

10000

0

Time-->





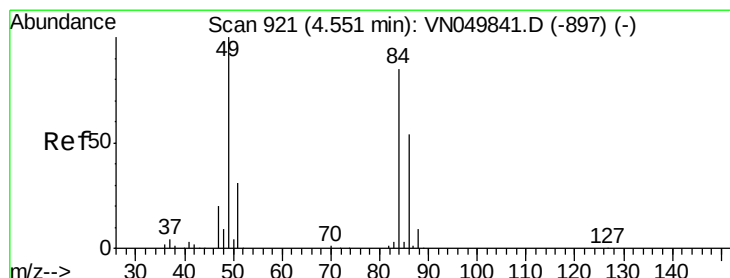
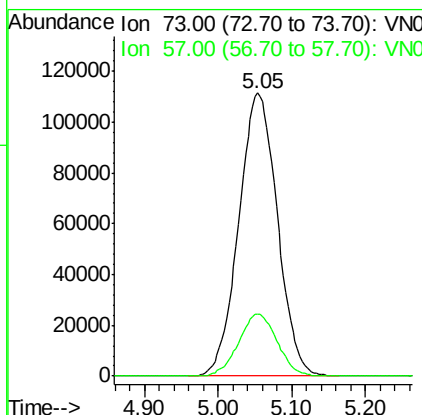
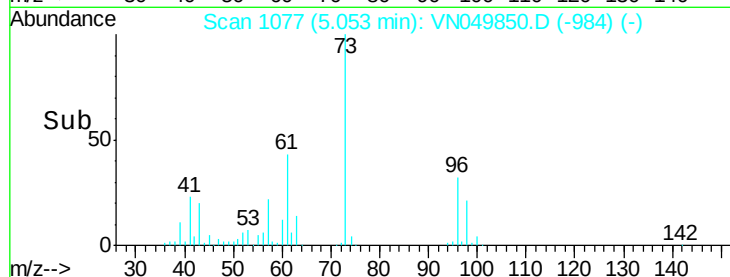
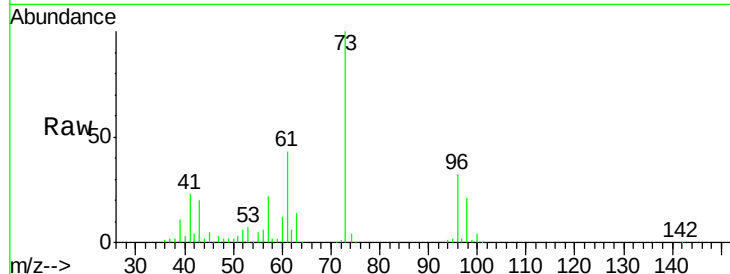
#19
Methyl tert-butyl Ether
Concen: 21.75 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion: 73 Resp: 406655
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1

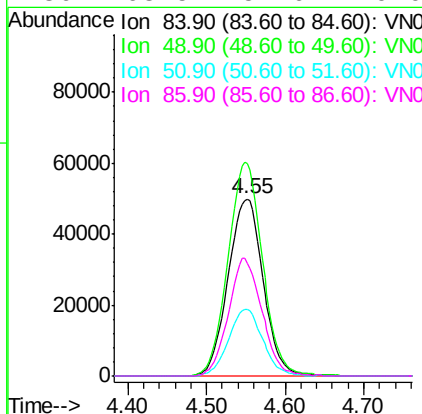
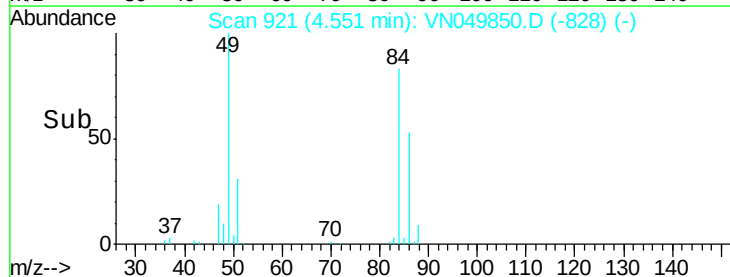
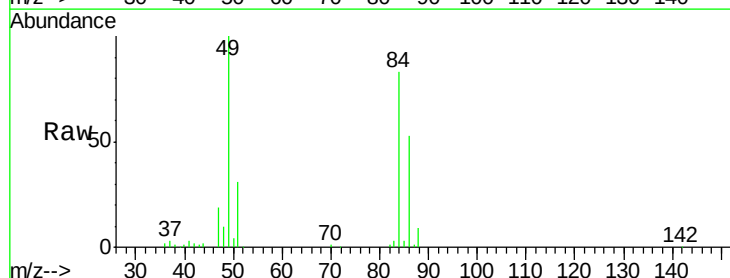
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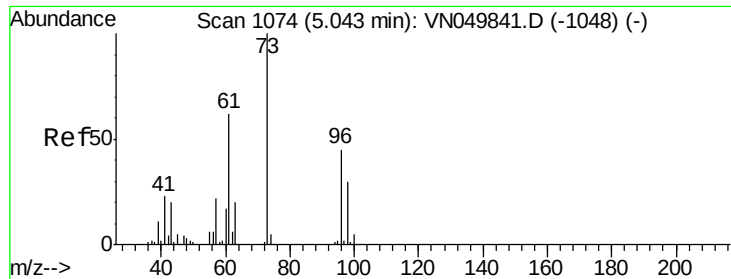
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#20
Methylene Chloride
Concen: 21.02 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion: 84 Resp: 155060
Ion Ratio Lower Upper
84 100
49 120.0 95.4 143.2
51 37.3 28.4 42.6
86 63.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.00 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

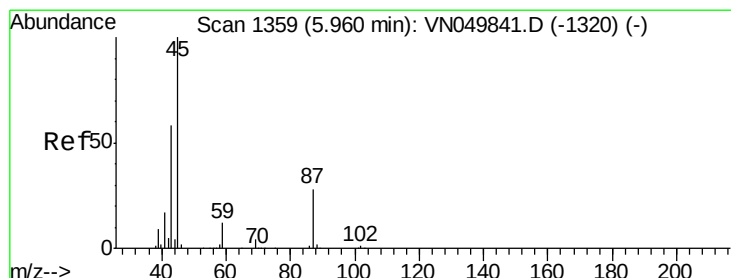
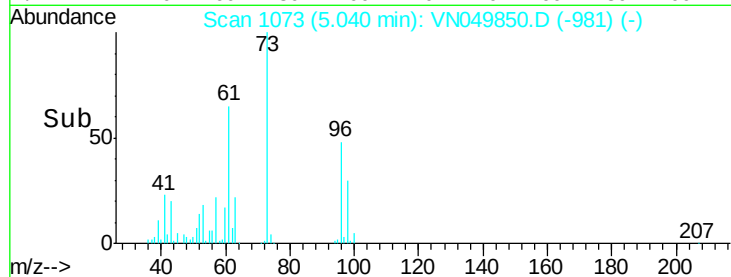
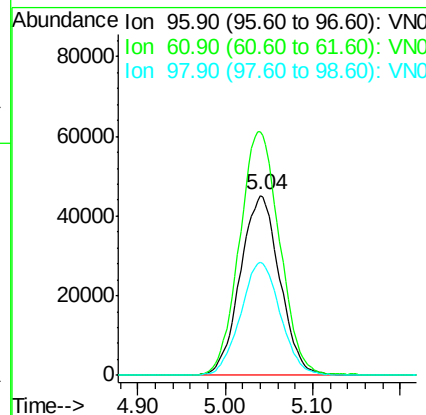
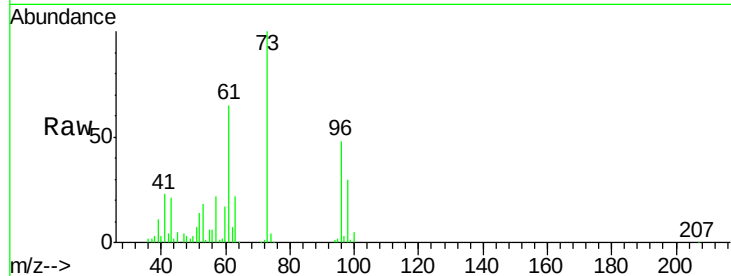
ClientSampleId :

VN0717WBS01

Tot Ion:	96	Resp:	141516
Ion	Ratio	Lower	Upper
96	100		
61	135.1	109.0	163.6
98	62.6	51.1	76.7

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#22

Diisopropyl ether

Concen: 21.73 ug/l

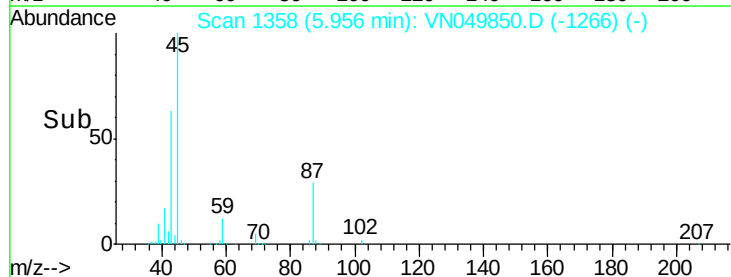
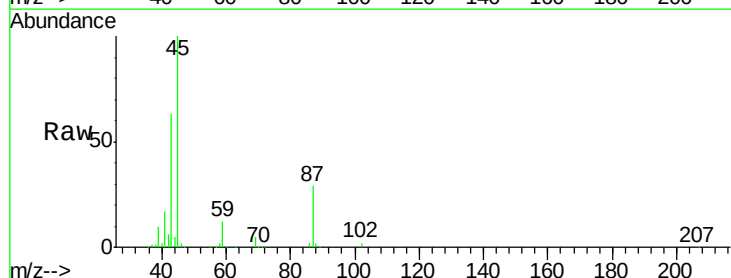
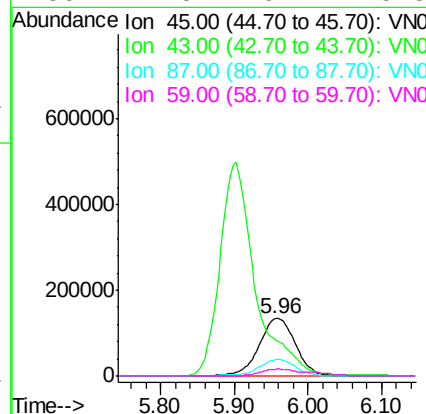
RT: 5.96 min Scan# 1358

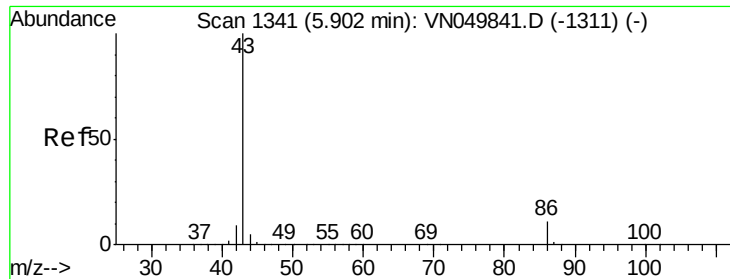
Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Tgt Ion:	45	Resp:	461632
Ion	Ratio	Lower	Upper
45	100		
43	61.2	48.1	72.1
87	28.3	22.6	34.0
59	11.8	9.2	13.8





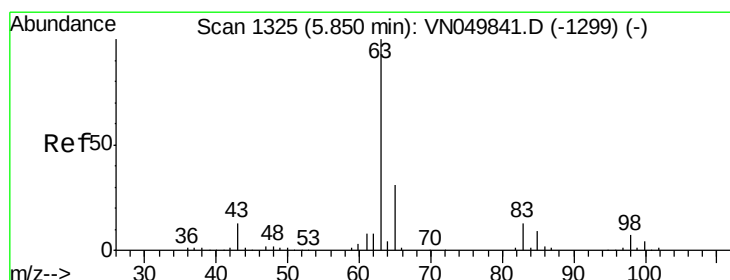
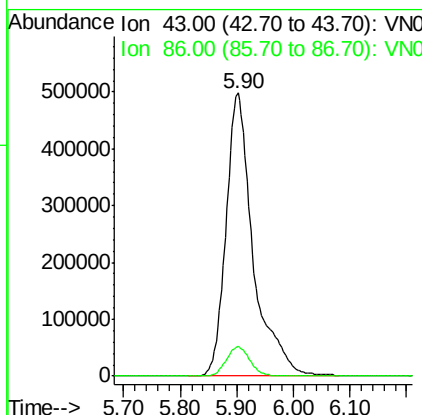
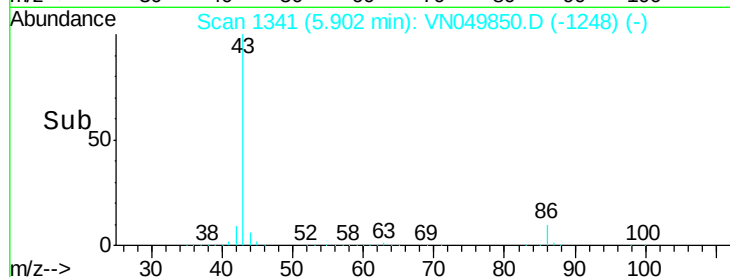
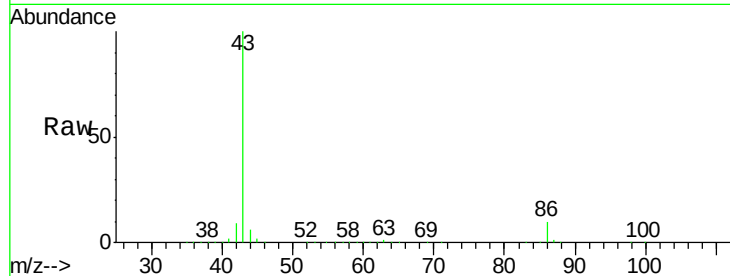
#23
 Vinyl Acetate
 Concen: 106.56 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0717WBS01

Tot Ion: 43 Resp: 1665274
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.4 12.6

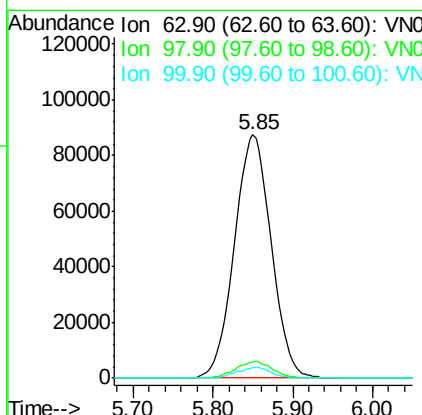
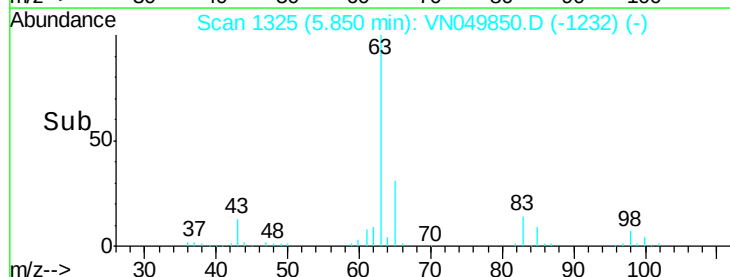
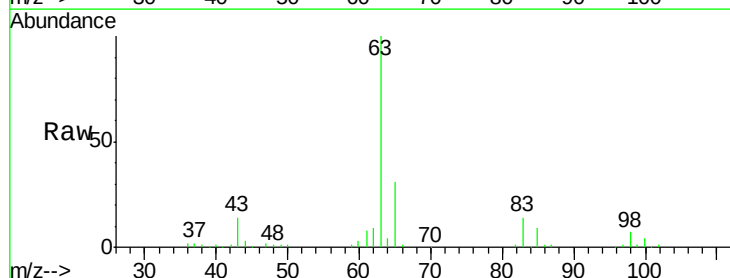
Manual Integrations
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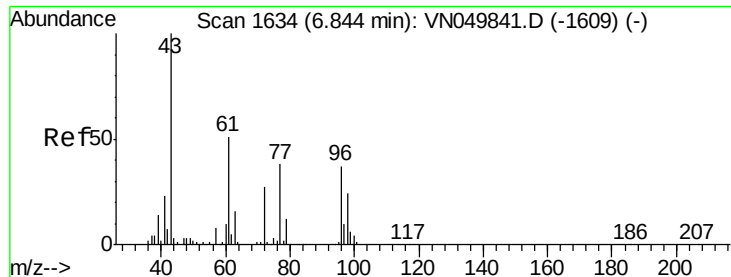
MMDadoda
 7/18/2018 11:59:15 AM



#24
 1,1-Dichloroethane
 Concen: 20.00 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion: 63 Resp: 272300
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.2
 100 4.3 2.2 6.6





#25

2-Butanone

Concen: 103.40 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampled :

VN0717WBS01

Tot Ion: 43 Resp: 365848

Ion Ratio Lower Upper

43 100

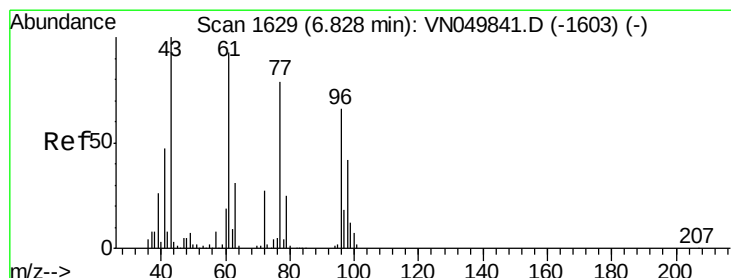
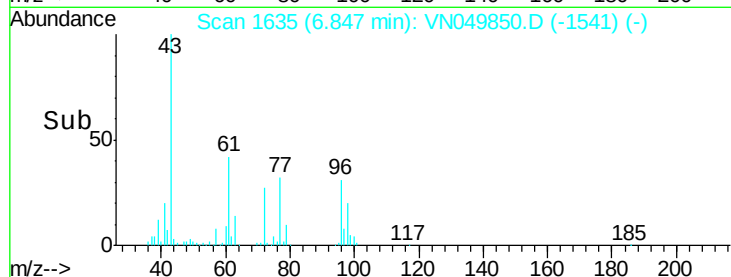
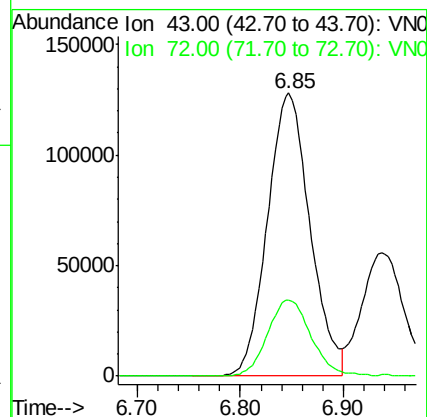
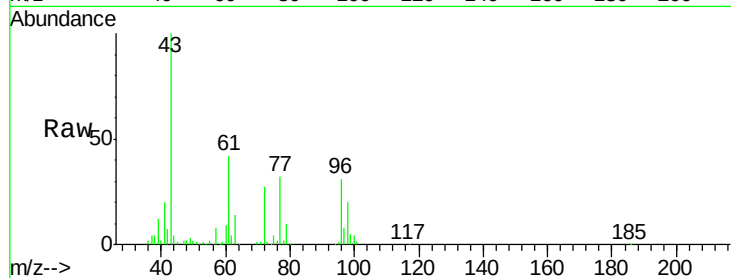
72 26.9 22.1 33.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.82 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049850.D

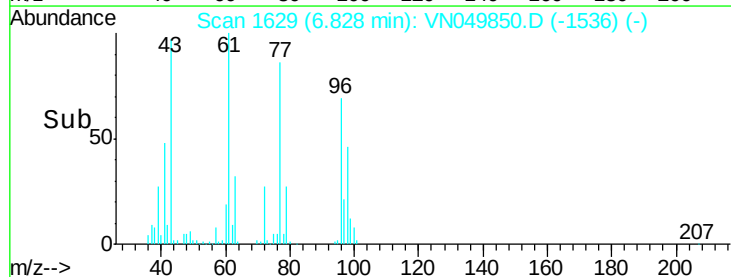
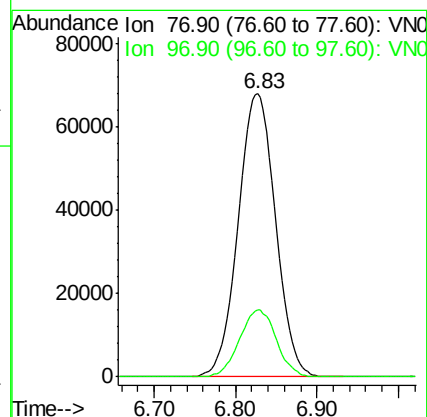
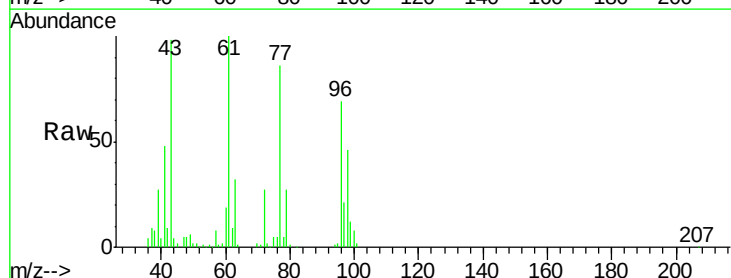
Acq: 17 Jul 2018 17:00

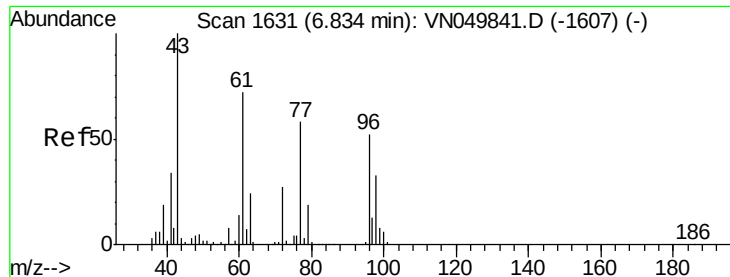
Tgt Ion: 77 Resp: 215852

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.5





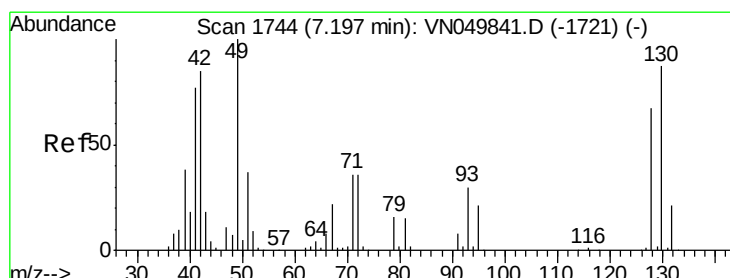
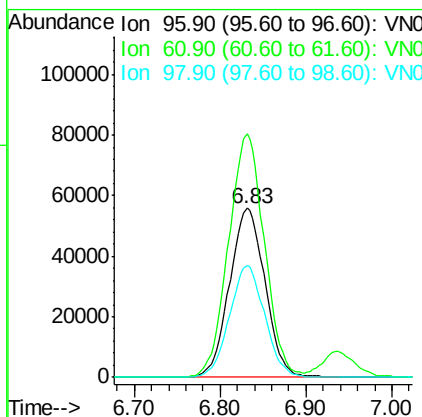
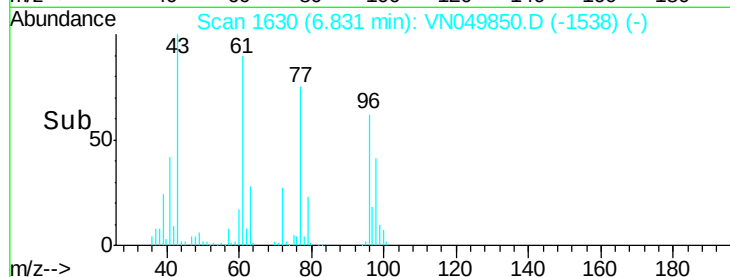
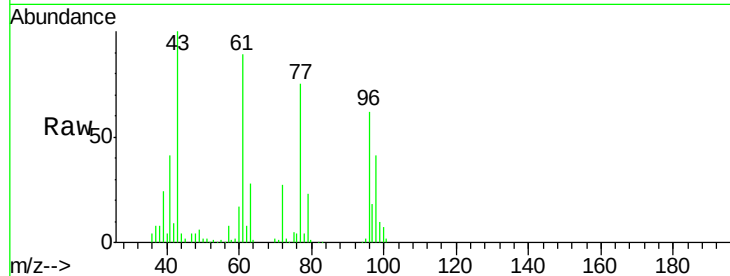
#27
 cis-1,2-Dichloroethene
 Concen: 20.21 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	160352		
61	145.3	0.0	289.0	
98	65.4	0.0	130.2	

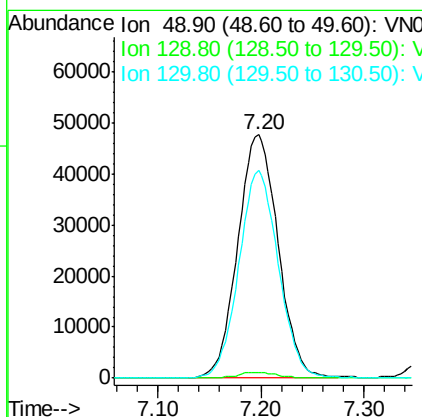
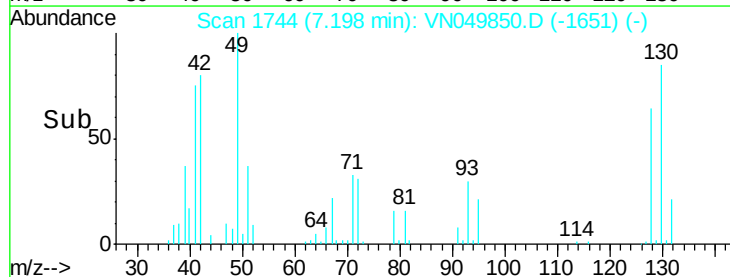
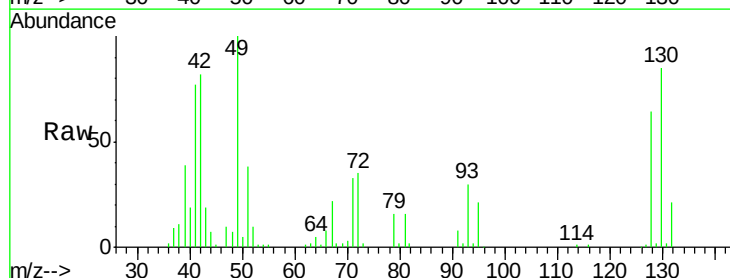
Manual Integrations
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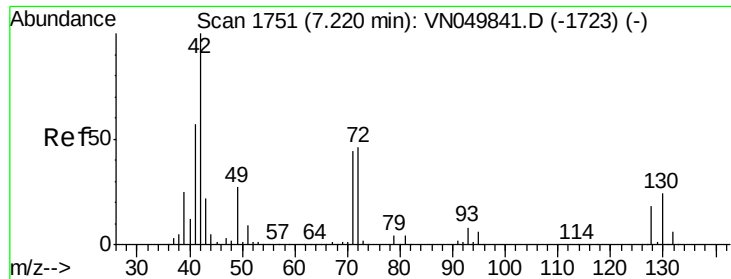
MMDadoda
 7/18/2018 11:59:15 AM



#28
 Bromochloromethane
 Concen: 20.49 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	129549		
129	2.2	0.0	4.2	
130	83.7	65.5	98.3	





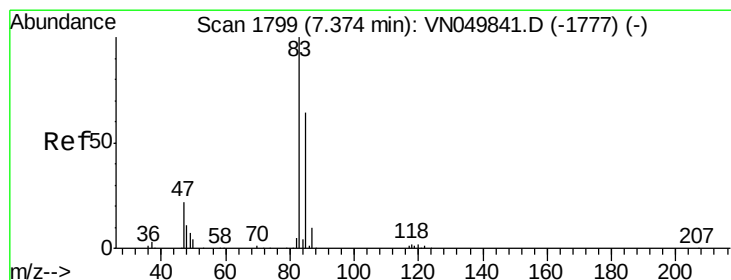
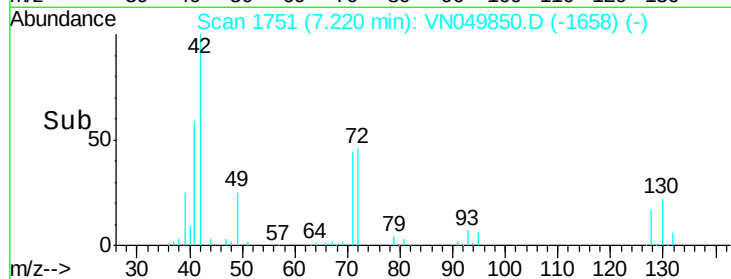
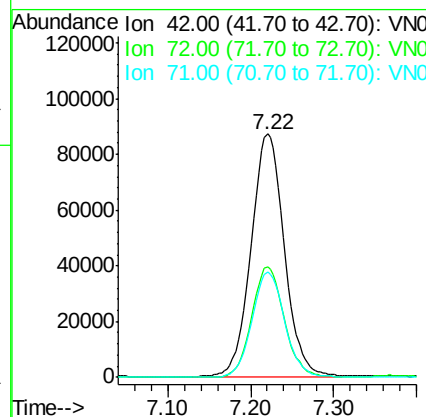
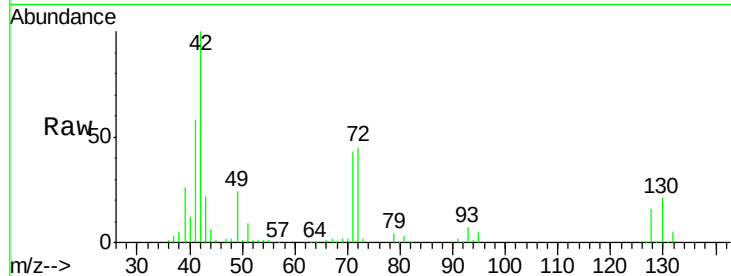
#29
Tetrahydrofuran
Concen: 107.68 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.6	53.4
71	42.7	34.0	51.0

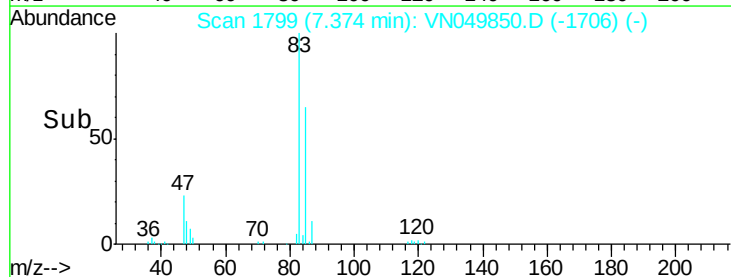
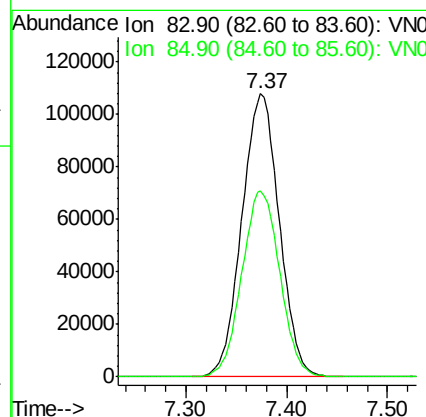
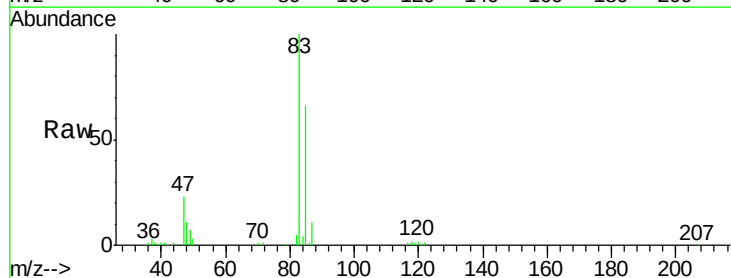
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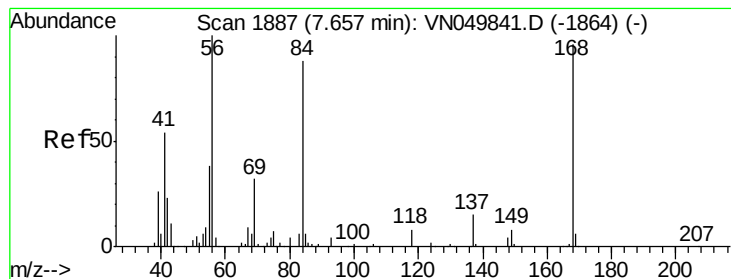
MMDadoda
7/18/2018 11:59:15 AM



#30
Chloroform
Concen: 19.75 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.4	77.2





#31

Cyclohexane

Concen: 20.90 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion: 56 Resp: 227972

Ion Ratio Lower Upper

56 100

69 37.9 26.6 40.0

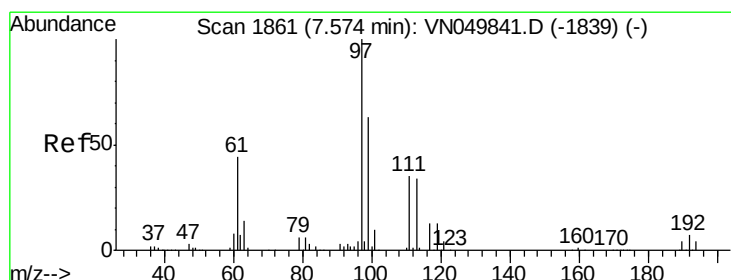
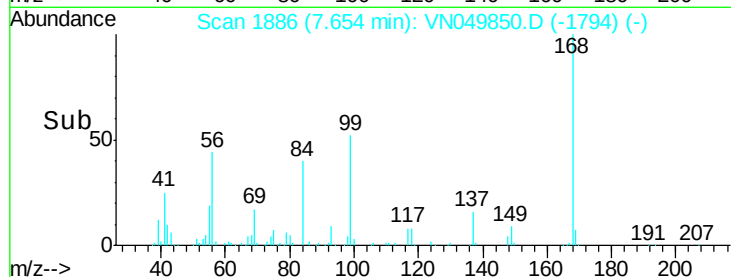
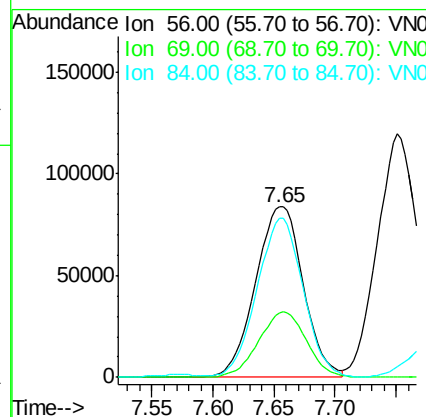
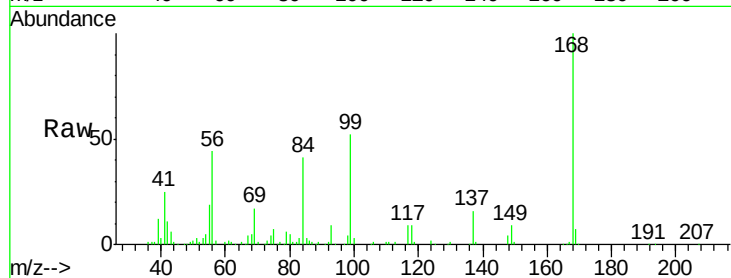
84 91.9 69.0 103.6

Manual Integrations

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MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 19.82 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

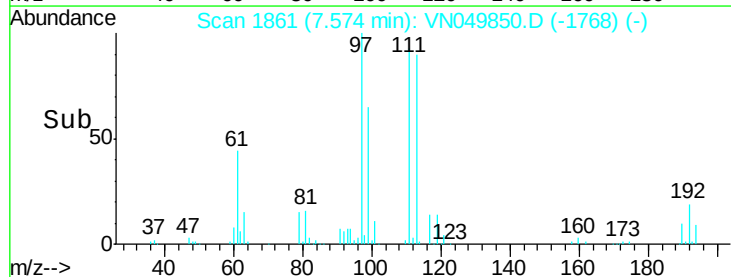
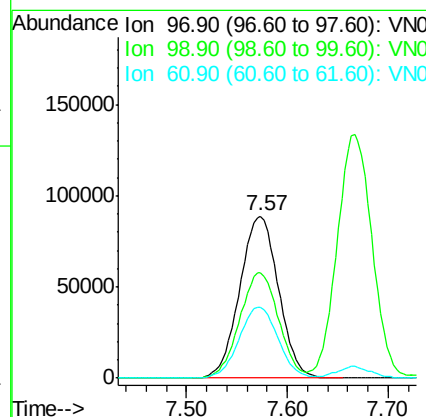
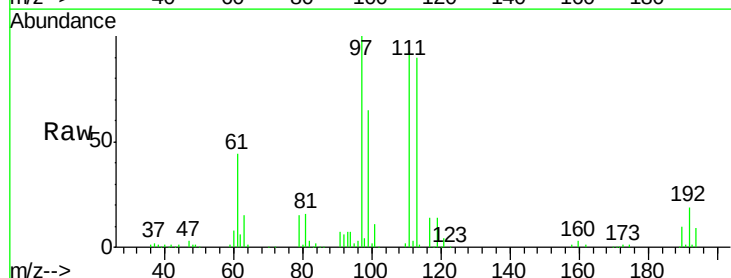
Tgt Ion: 97 Resp: 236663

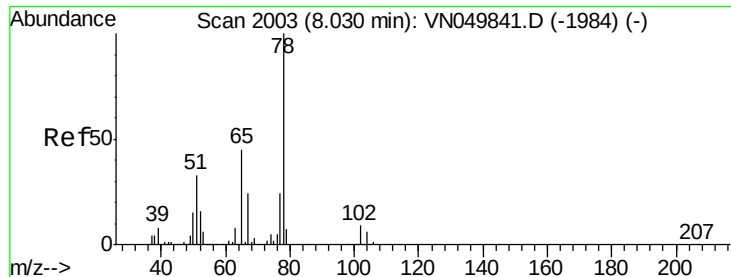
Ion Ratio Lower Upper

97 100

99 65.3 51.0 76.4

61 44.0 35.5 53.3





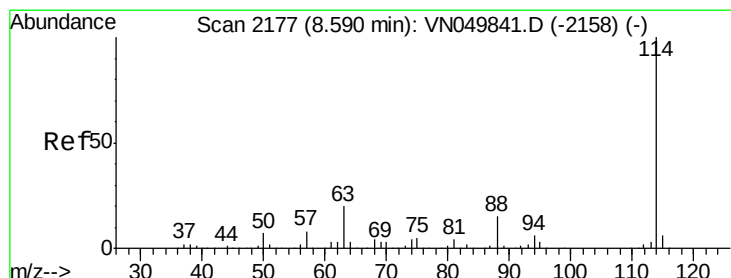
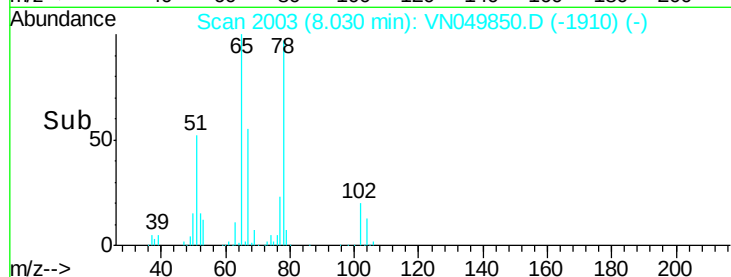
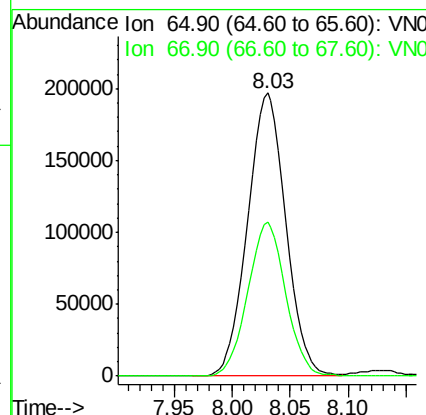
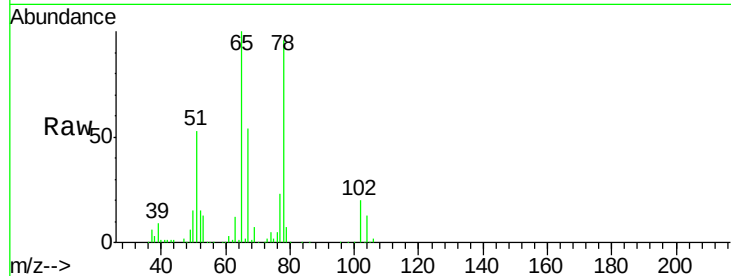
#33
 1,2-Dichloroethane-d4
 Concen: 52.64 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.0	0.0	107.2	

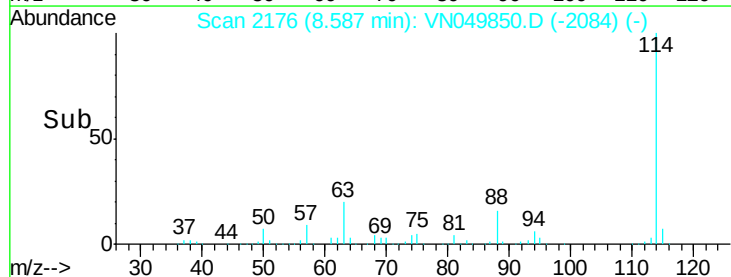
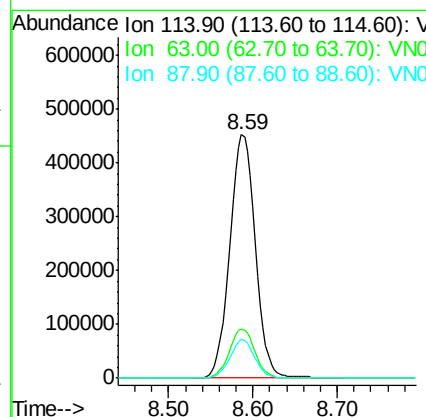
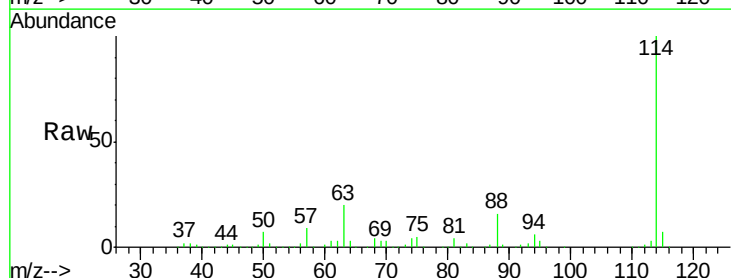
Manual Integrations
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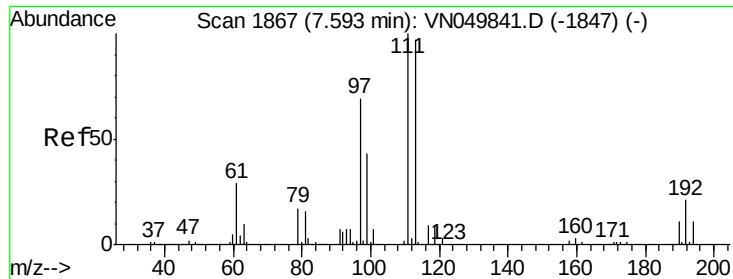
MMDadoda
 7/18/2018 11:59:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.2	0.0	39.8	
88	15.7	0.0	30.6	





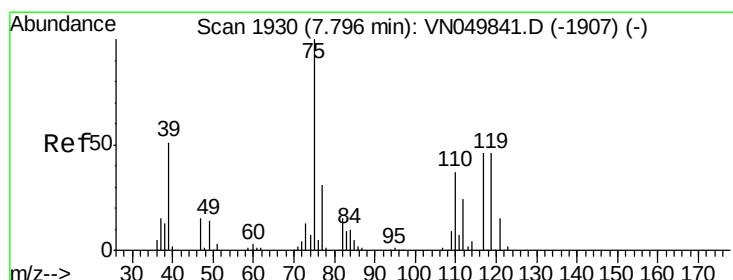
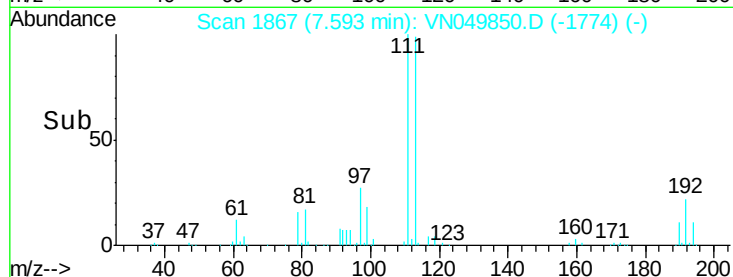
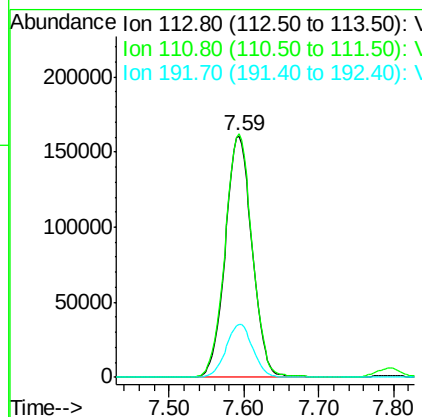
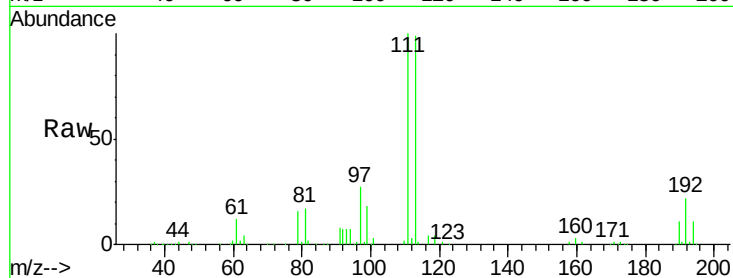
#35
 Dibromofluoromethane
 Concen: 52.81 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	398033		
111	102.2	81.8	122.8	
192	22.1	17.8	26.6	

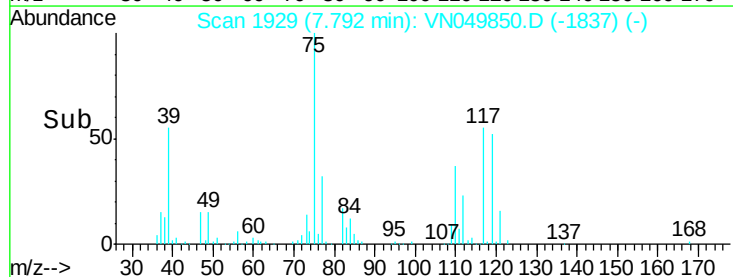
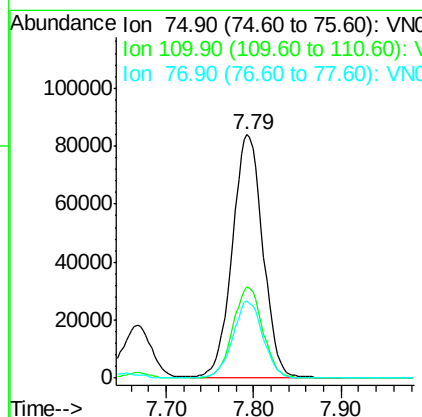
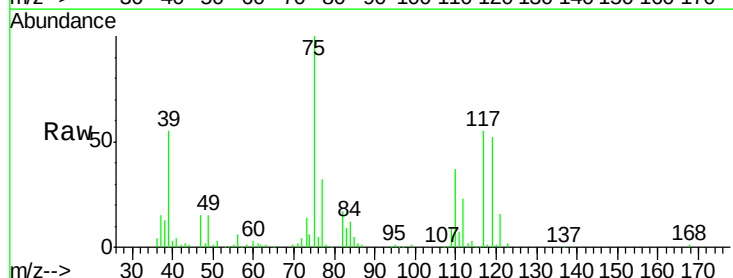
Manual Integrations
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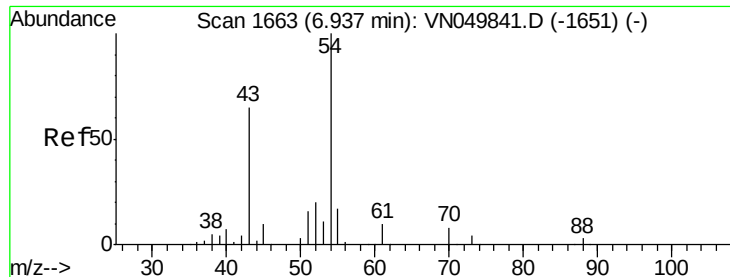
MMDadoda
 7/18/2018 11:59:15 AM



#36
 1,1-Dichloropropene
 Concen: 20.30 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	204092		
110	36.3	18.1	54.4	
77	31.1	24.9	37.3	





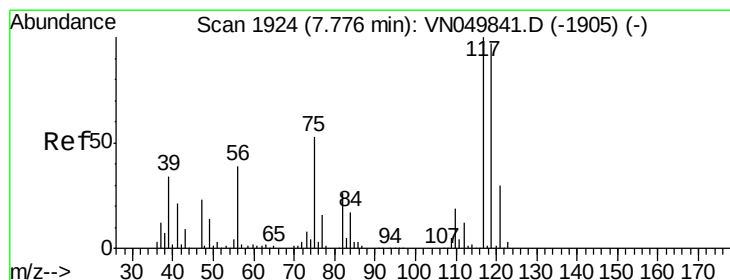
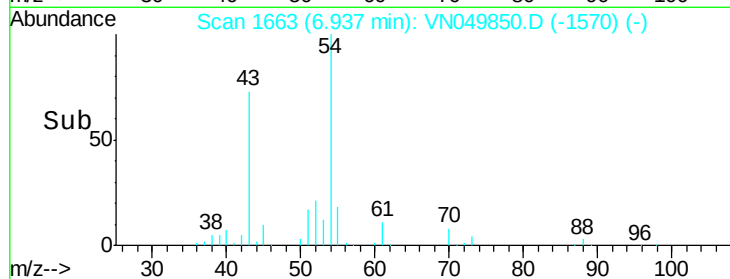
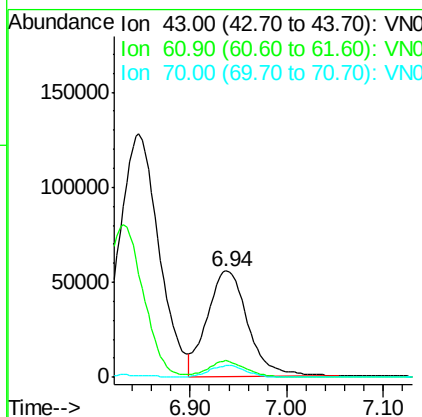
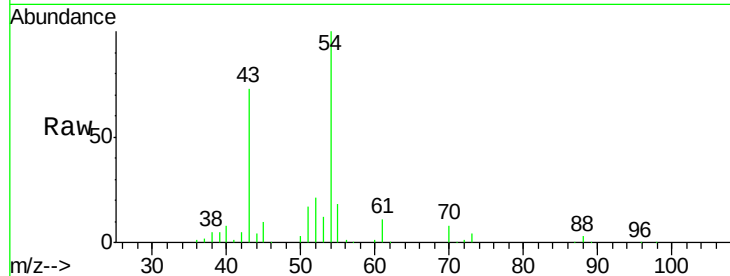
#37
Ethyl Acetate
Concen: 21.50 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Instrument :
MSVOA_N
ClientSampled :
VN0717WBS01

Tot Ion	43	61	70
Resp	161214		
Ratio	100	14.1	10.3
Lower		11.7	8.4
Upper		17.5	12.6

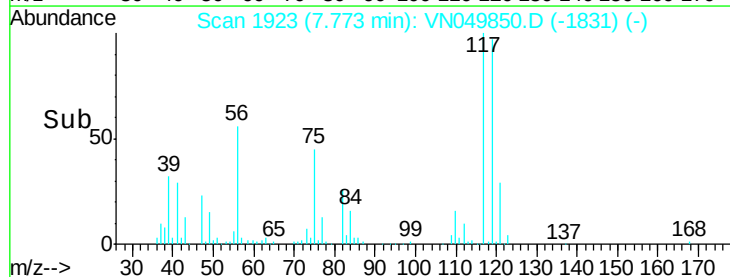
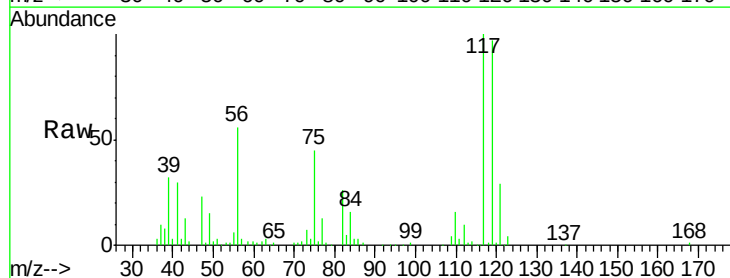
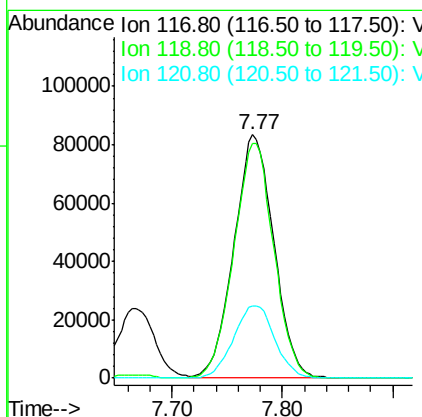
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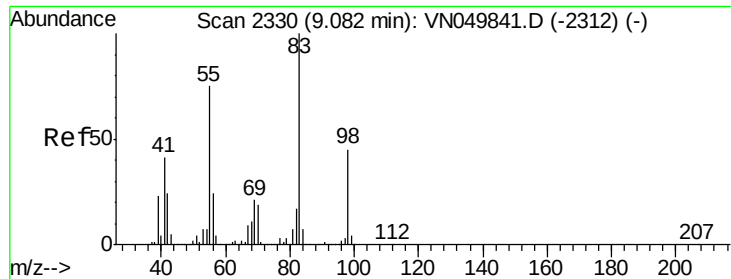
MMDadoda
7/18/2018 11:59:15 AM



#38
Carbon Tetrachloride
Concen: 19.78 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion	117	119	121
Resp	209545		
Ratio	100	96.6	29.5
Lower		77.2	25.0
Upper		115.8	37.6





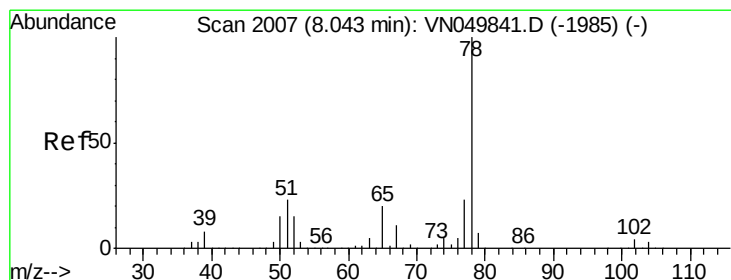
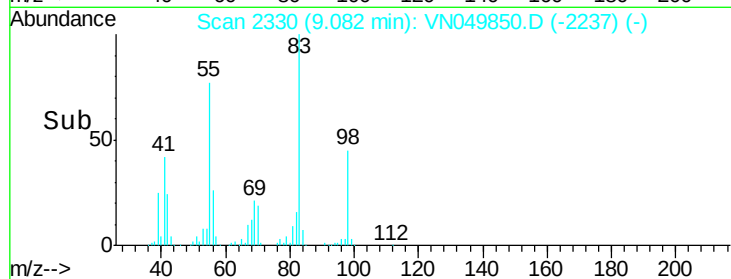
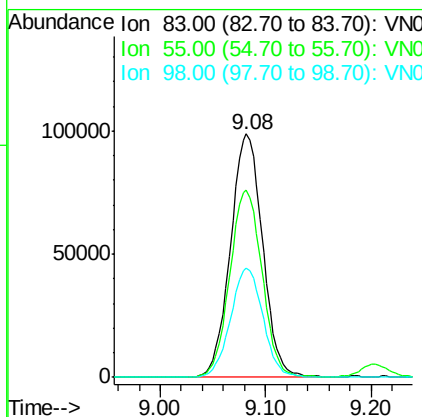
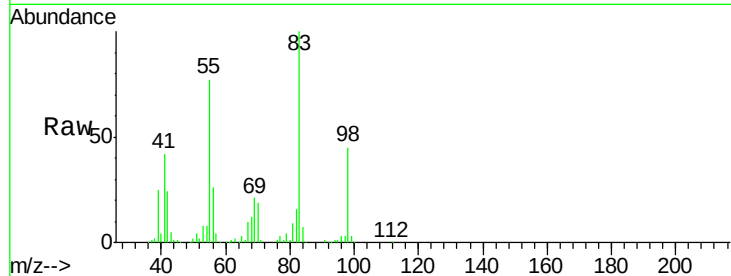
#39
Methylvlcyclohexane
Concen: 20.16 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Instrument :
MSVOA_N
ClientSampled :
VN0717WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	208727		
55	76.7		59.7	89.5
98	45.0		36.5	54.7

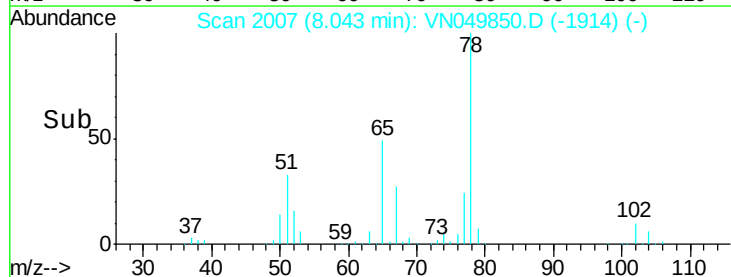
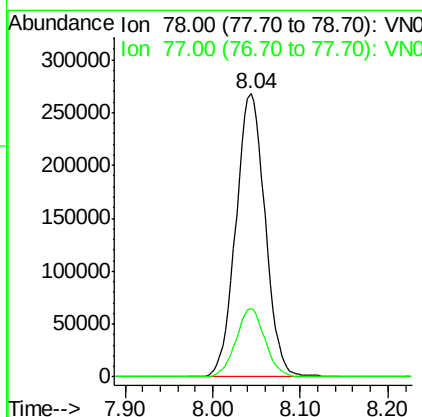
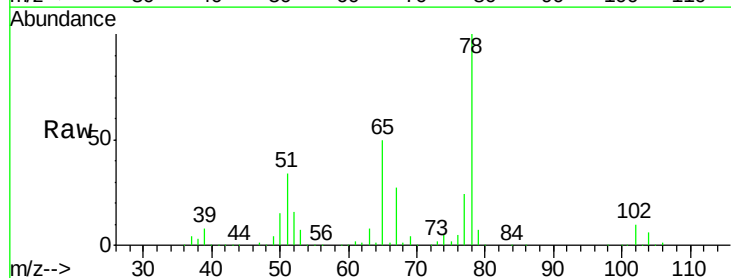
Manual Integrations
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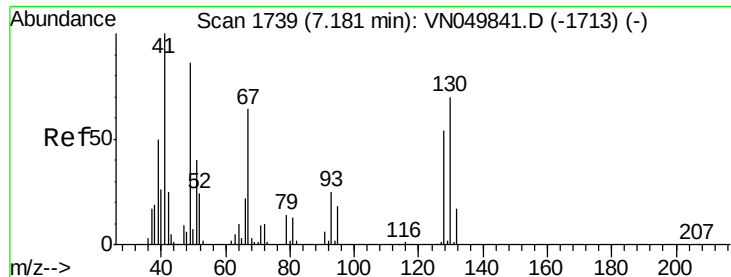
MMDadoda
7/18/2018 11:59:15 AM



#40
Benzene
Concen: 20.42 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	622318		
77	24.4		19.0	28.4





#41

Methacrylonitrile

Concen: 22.01 ug/l

RT: 7.18 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

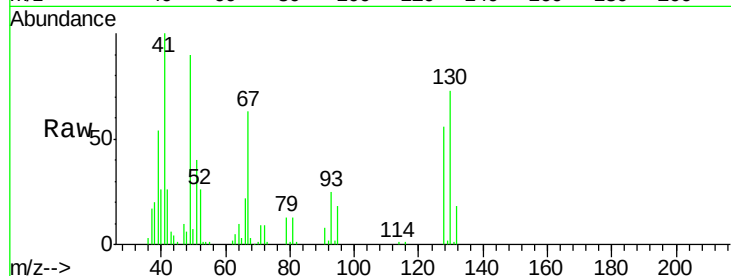
ClientSampleId :

VN0717WBS01

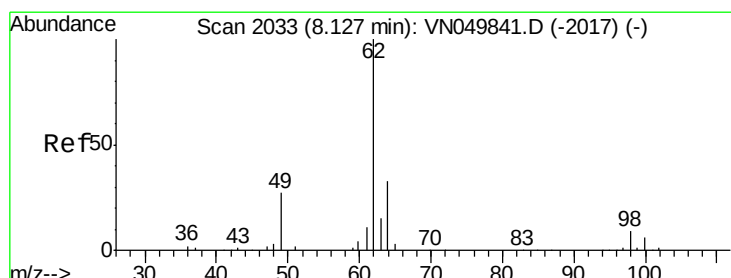
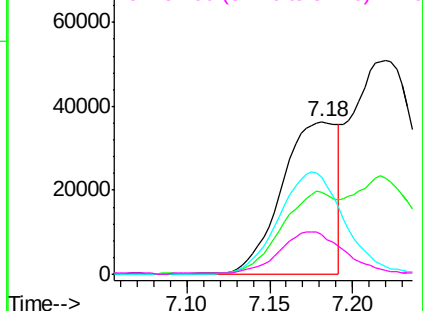
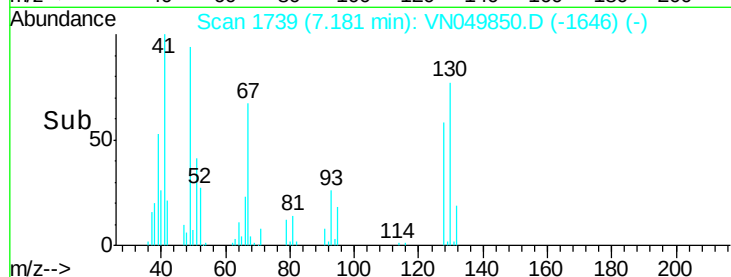
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	45.4	68.2	
67	79.2	65.4	98.0	
52	31.7	24.7	37.1	

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VN049850.D (-1646) (-)



#42

1,2-Dichloroethane

Concen: 19.73 ug/l

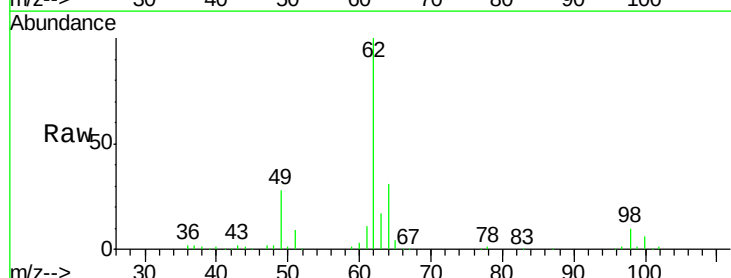
RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

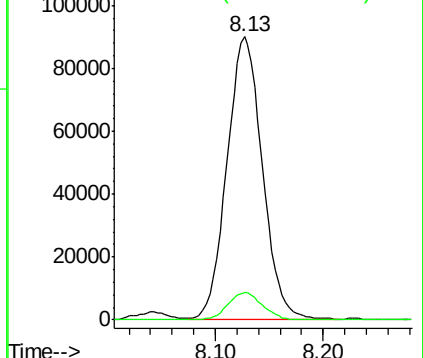
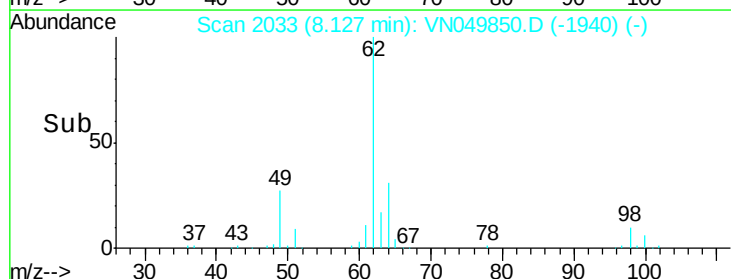
Lab File: VN049850.D

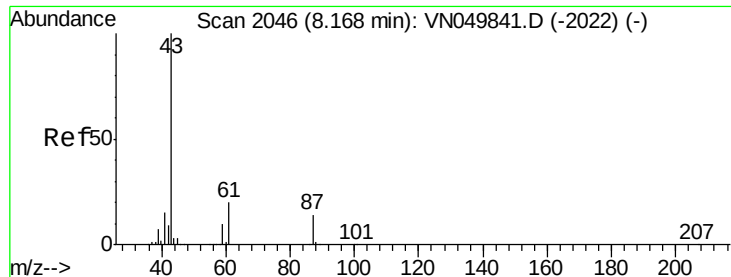
Acq: 17 Jul 2018 17:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	19.0	



Abundance Ion 61.90 (61.60 to 62.60): VN049850.D (-1940) (-)





#43

Isopropyl Acetate

Concen: 21.88 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

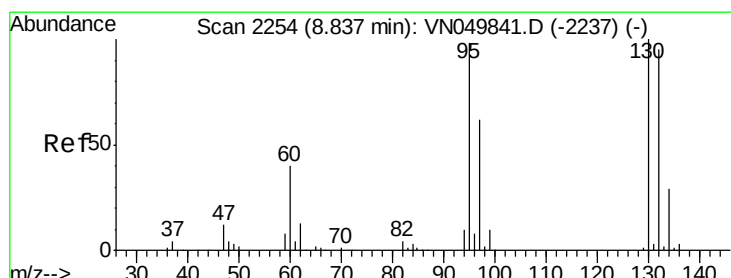
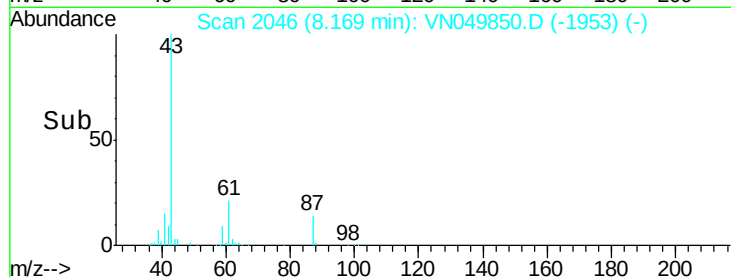
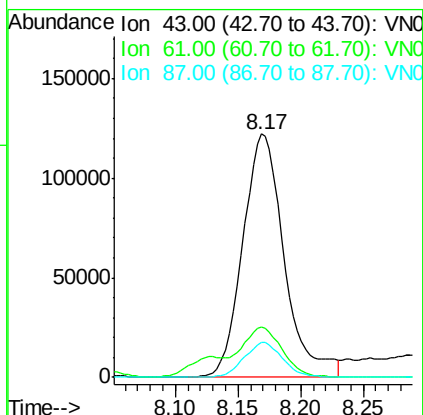
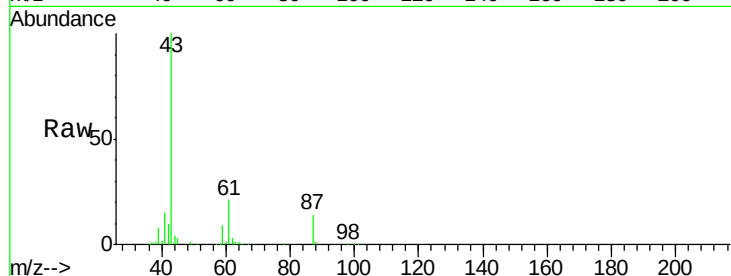
ClientSampleId :

VN0717WBS01

Tot Ion:	43	Resp:	279230
Ion	Ratio	Lower	Upper
43	100		
61	19.6	14.9	22.3
87	13.4	10.0	15.0

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#44

Trichloroethene

Concen: 20.15 ug/l

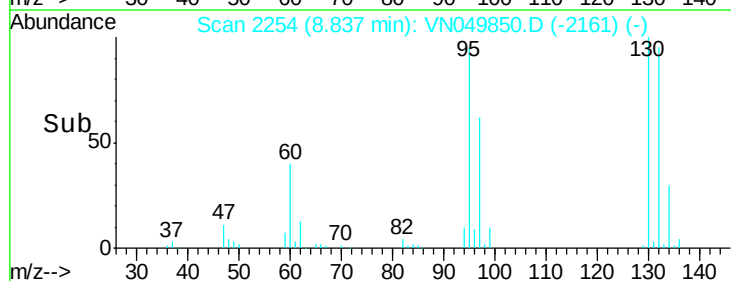
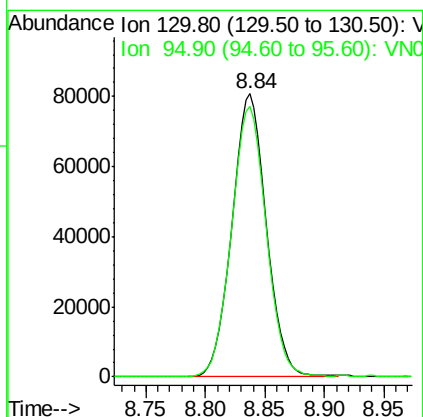
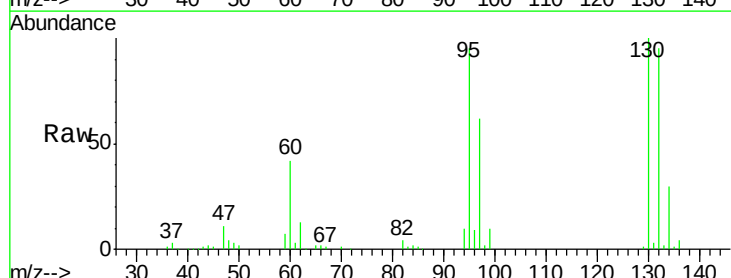
RT: 8.84 min Scan# 2254

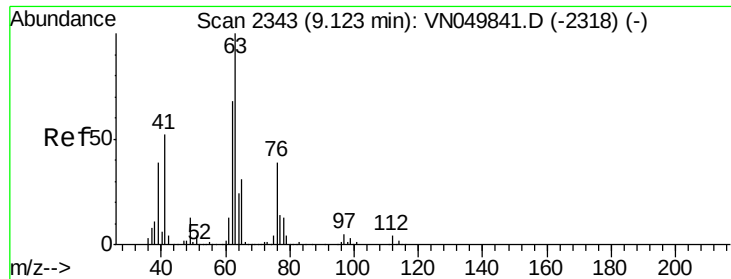
Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Tgt Ion:	130	Resp:	161534
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	192.8





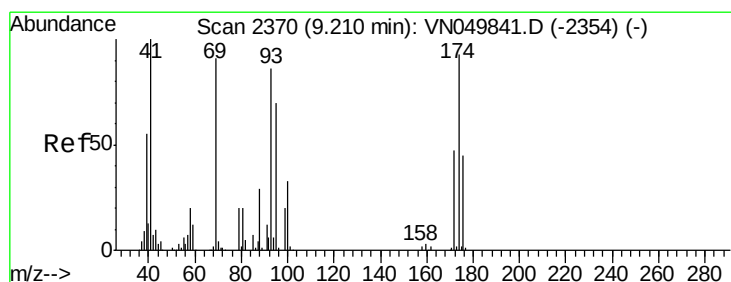
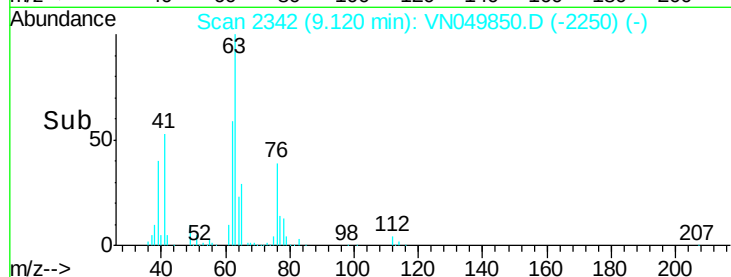
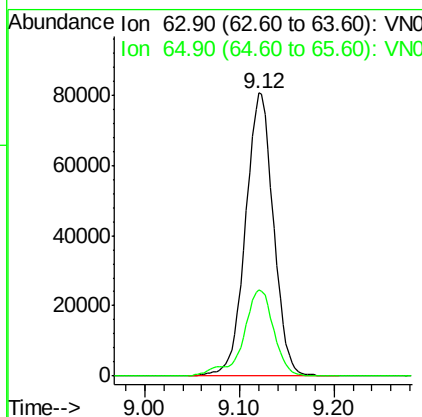
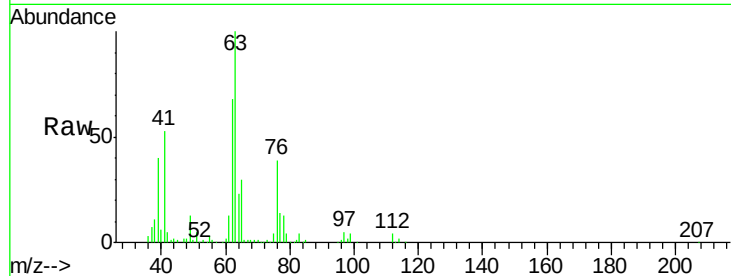
#45
 1,2-Dichloropropane
 Concen: 20.33 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion: 63 Resp: 165037
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.7 37.1

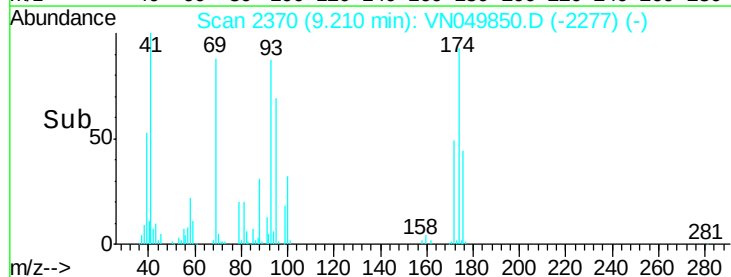
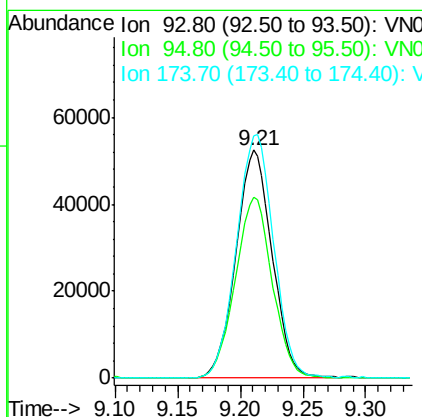
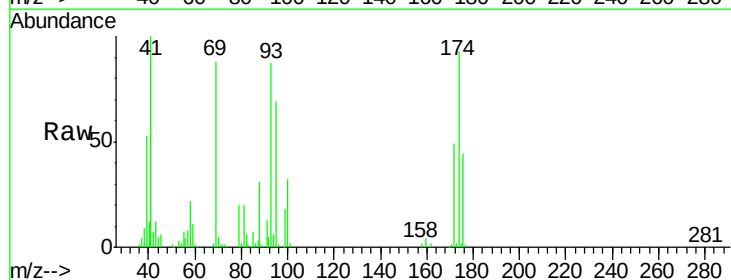
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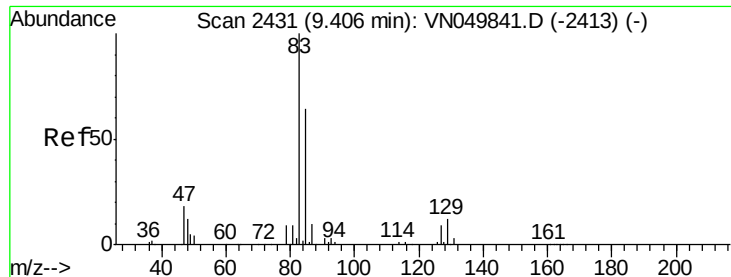
MMDadoda
 7/18/2018 11:59:15 AM



#46
 Dibromomethane
 Concen: 20.35 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion: 93 Resp: 105443
 Ion Ratio Lower Upper
 93 100
 95 80.9 67.9 101.9
 174 109.8 89.4 134.0





#47

Bromodichloromethane

Concen: 20.26 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

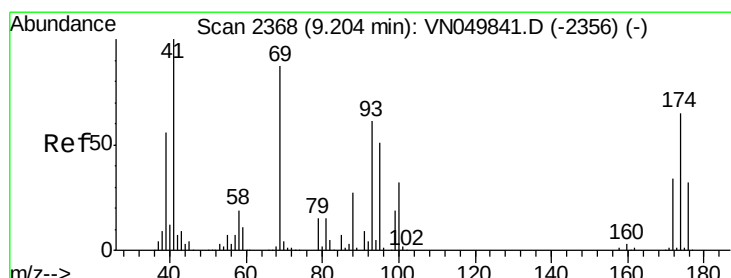
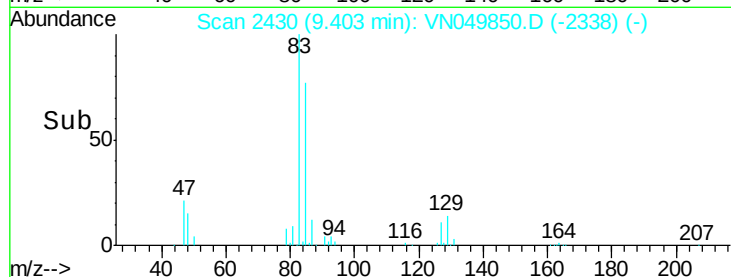
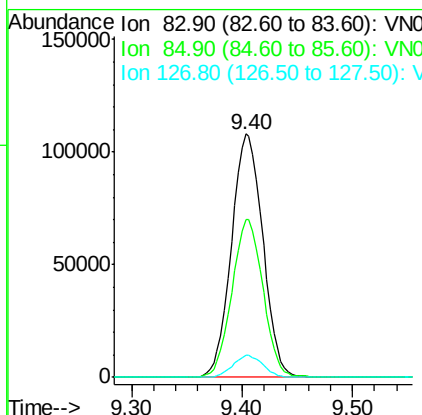
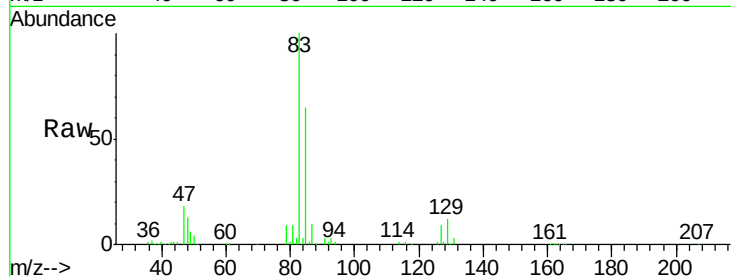
ClientSampled :

VN0717WBS01

Tot Ion:	83	Resp:	213277
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.5	75.7
127	9.0	6.8	10.2

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 21.22 ug/l

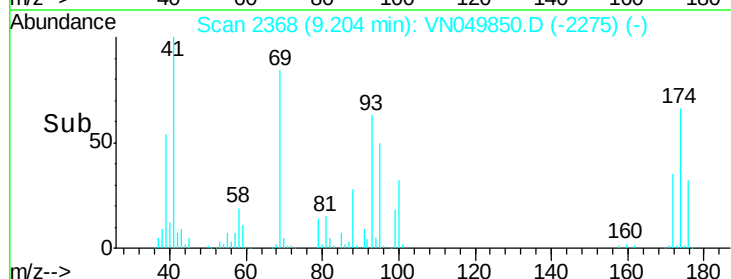
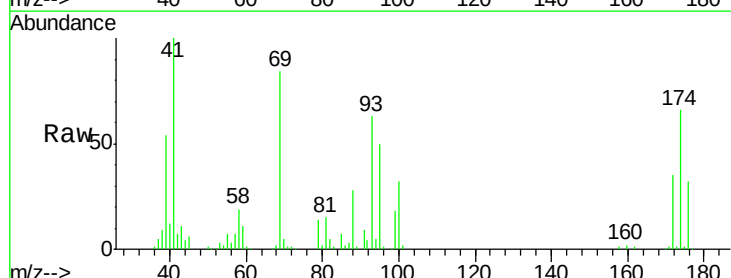
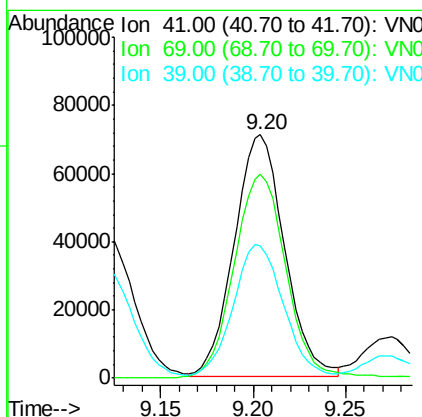
RT: 9.20 min Scan# 2368

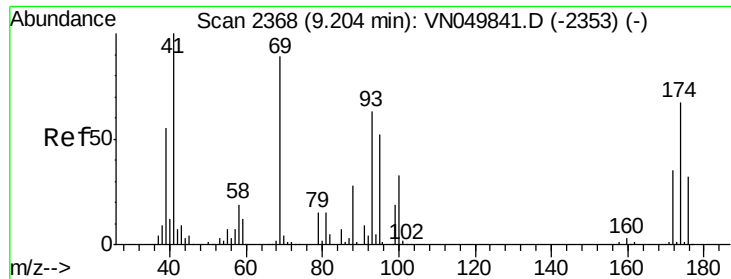
Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Tgt Ion:	41	Resp:	134253
Ion	Ratio	Lower	Upper
41	100		
69	87.2	71.5	107.3
39	55.5	44.7	67.1





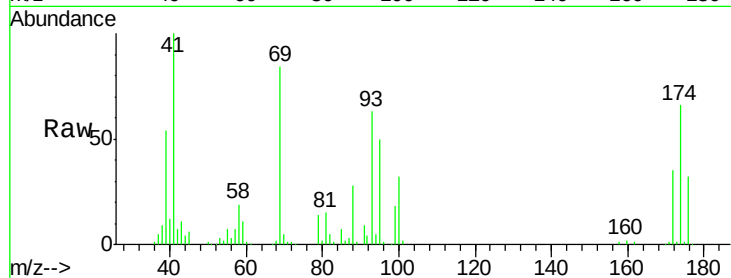
#49
1,4-Dioxane
Concen: 447.83 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	88	Resp	42948
Ion	Ratio	Lower	Upper
88	100		
43	33.2	25.1	37.7
58	69.4	52.5	78.7

Manual Integrations
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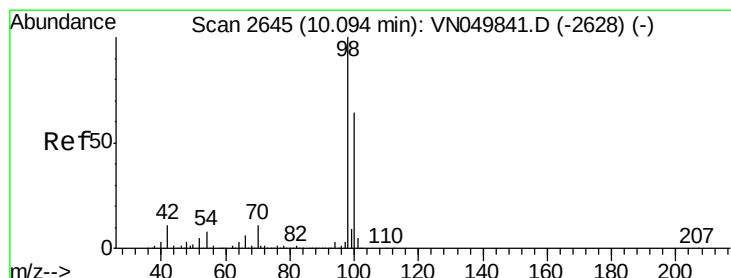
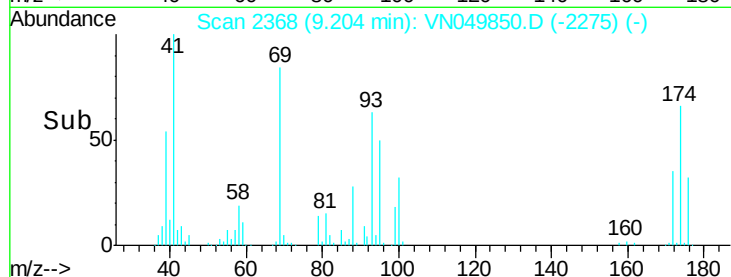
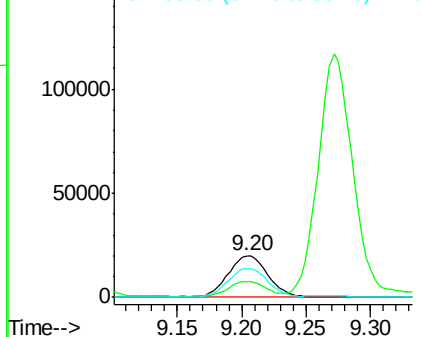


Abundance

Ion 88.00 (87.70 to 88.70): VN049841.D (-2353) (-)

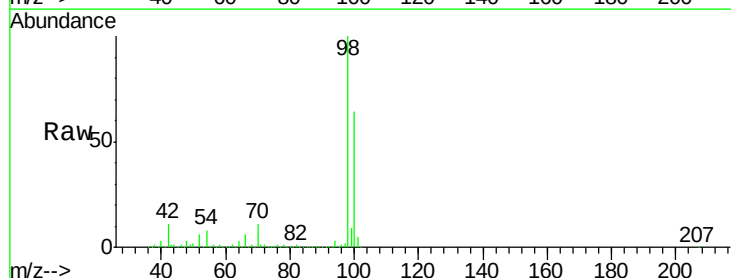
Ion 43.00 (42.70 to 43.70): VN049841.D (-2353) (-)

Ion 58.00 (57.70 to 58.70): VN049841.D (-2353) (-)



#50
Toluene-d8
Concen: 52.70 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

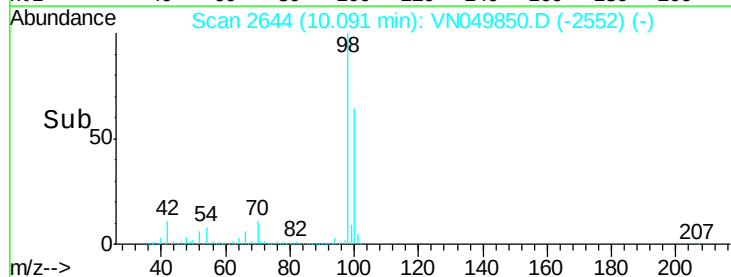
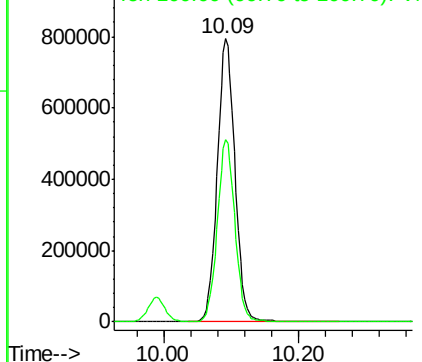
Tgt Ion	98	Resp	1458350
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.7	77.5

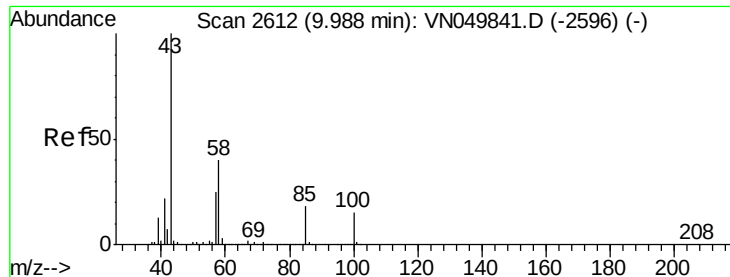


Abundance

Ion 98.00 (97.70 to 98.70): VN049841.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN049841.D (-2628) (-)





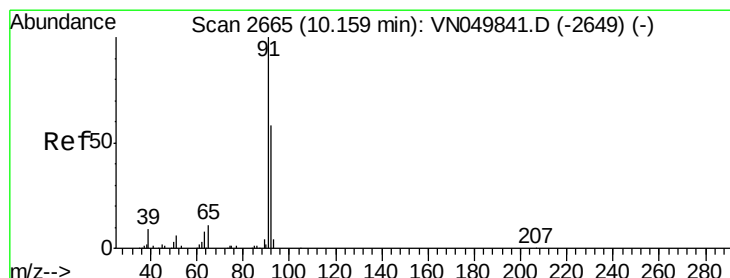
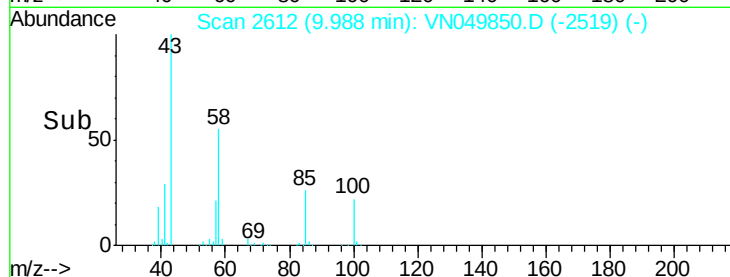
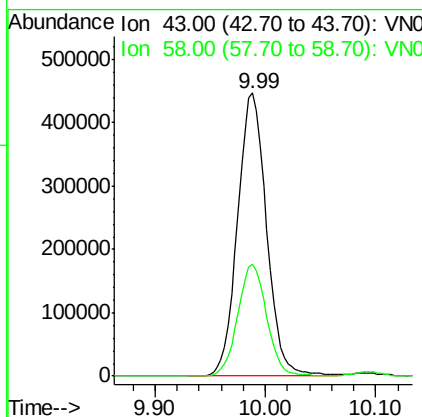
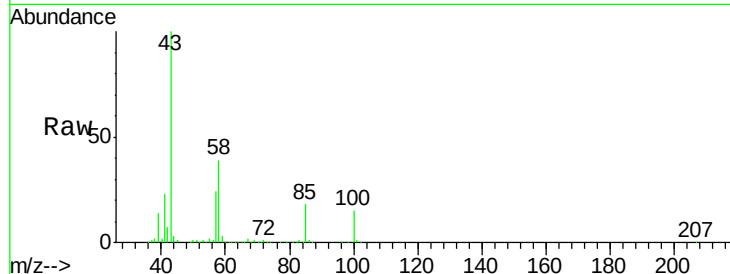
#51
4-Methyl-2-Pentanone
Concen: 108.48 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	43	Resp	814125
Ion Ratio	100	Lower	Upper
43	100		
58	39.5	31.8	47.8

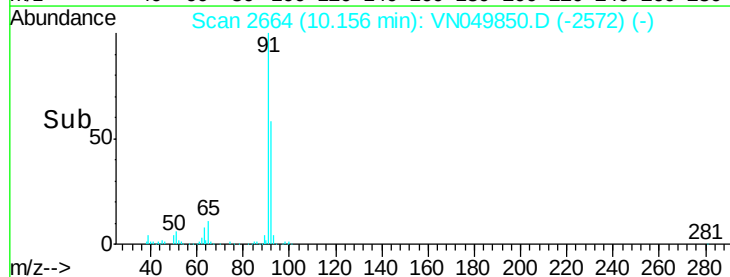
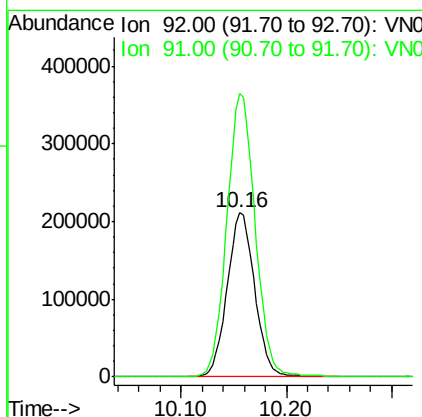
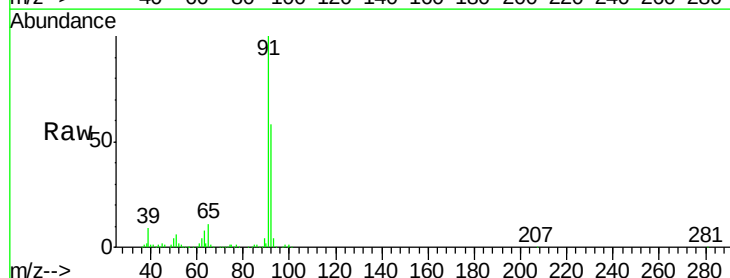
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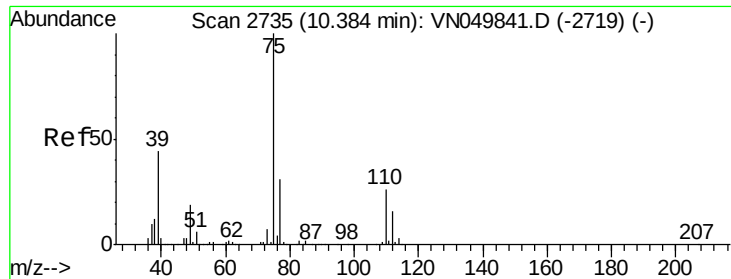
MMDadoda
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#52
Toluene
Concen: 20.88 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion	92	Resp	381322
Ion Ratio	100	Lower	Upper
92	100		
91	177.4	140.1	210.1





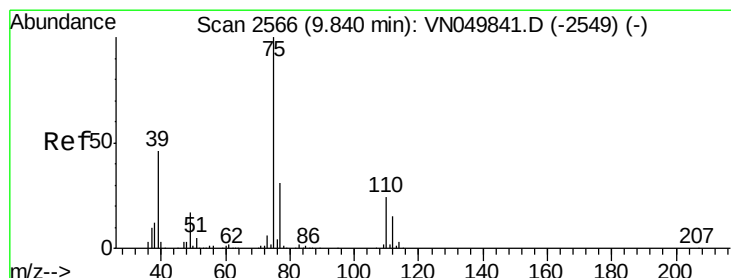
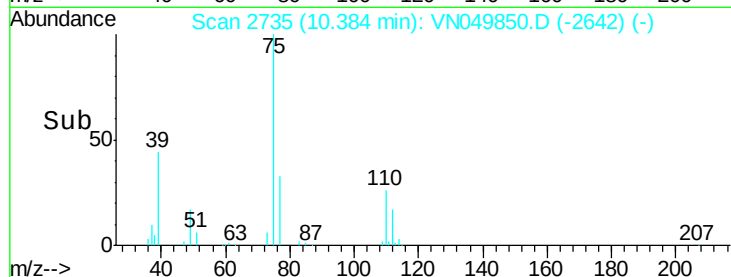
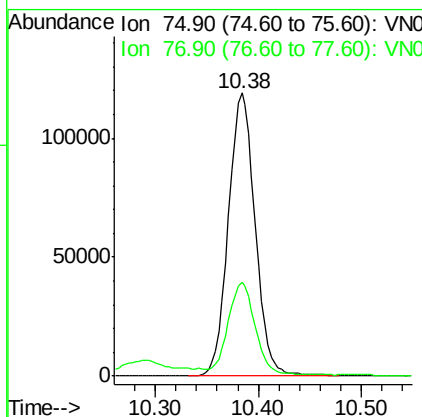
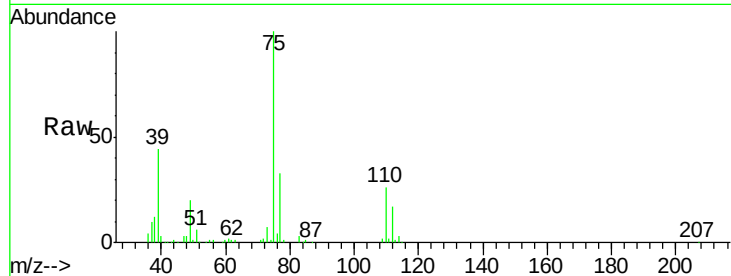
#53
t-1,3-Dichloropropene
Concen: 20.98 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Instrument :
MSVOA_N
ClientSampled :
VN0717WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.2	37.8

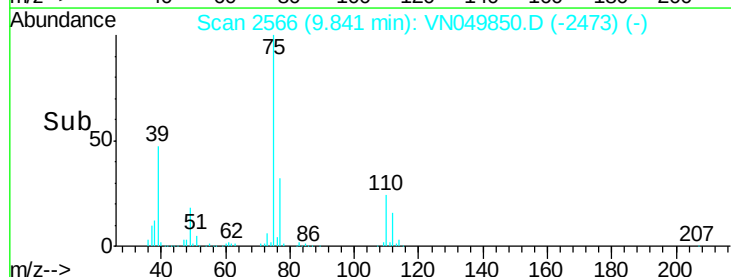
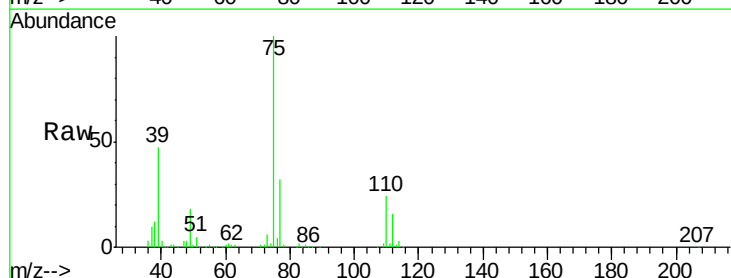
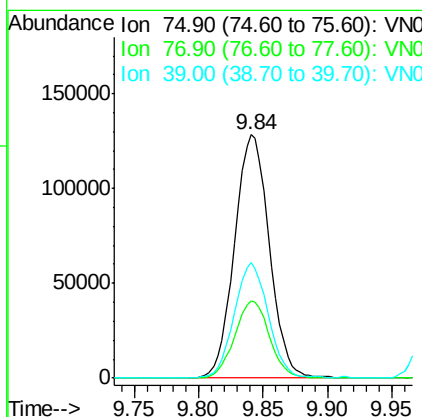
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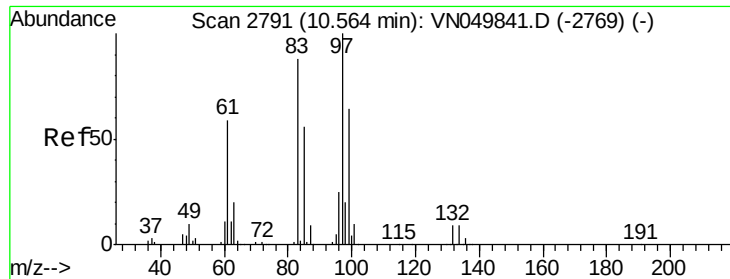
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.89 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.3	37.9
39	47.1	35.5	53.3





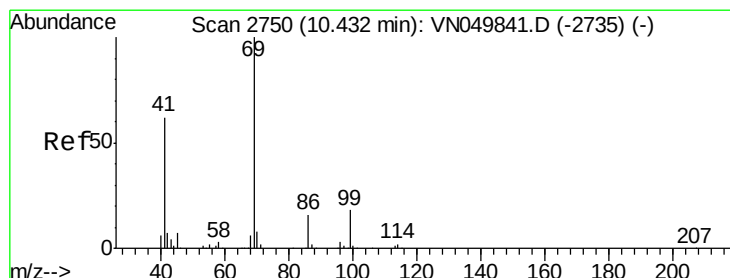
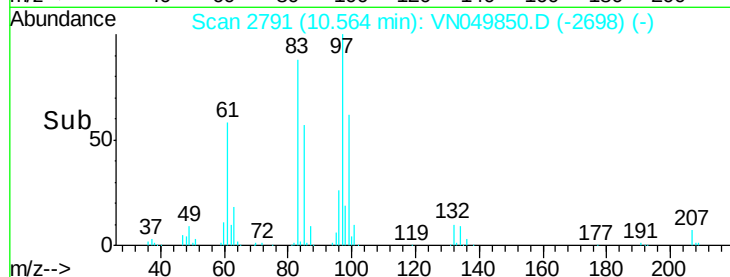
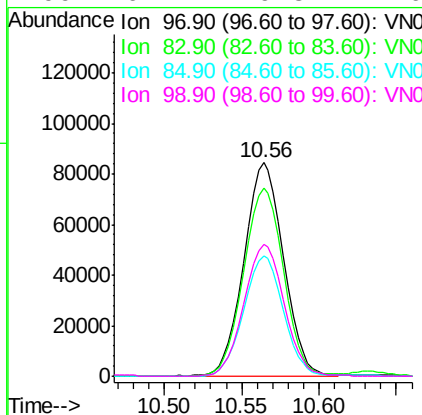
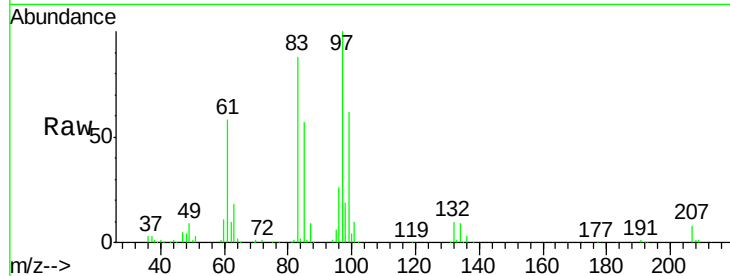
#55
 1,1,2-Trichloroethane
 Concen: 19.98 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		149744		
83	88.3	69.0	103.6		
85	56.8	44.9	67.3		
99	62.1	49.8	74.6		

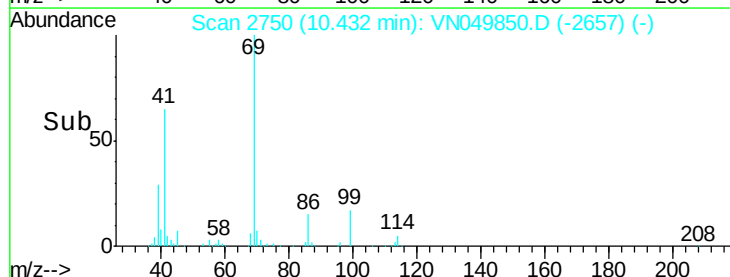
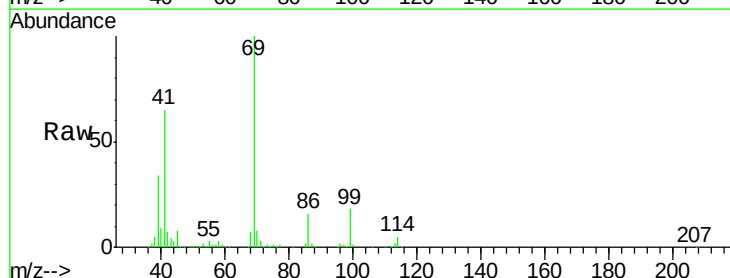
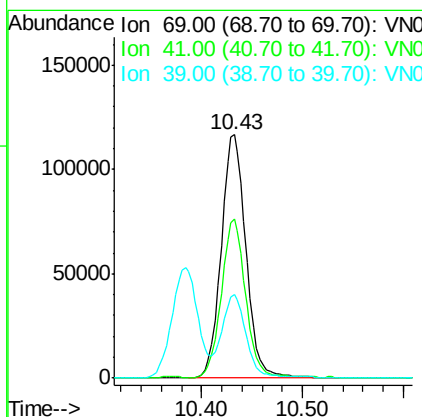
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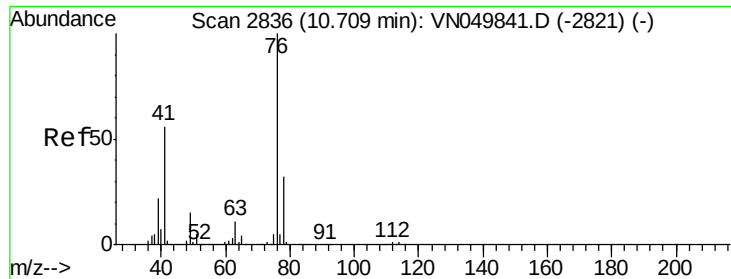
MMDadoda
 7/18/2018 11:59:15 AM



#56
 Ethyl methacrylate
 Concen: 22.04 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		200123		
41	63.1	51.6	77.4		
39	32.7	25.8	38.8		





#57

1,3-Dichloropropane

Concen: 20.57 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion: 76 Resp: 249741

Ion Ratio Lower Upper

76 100

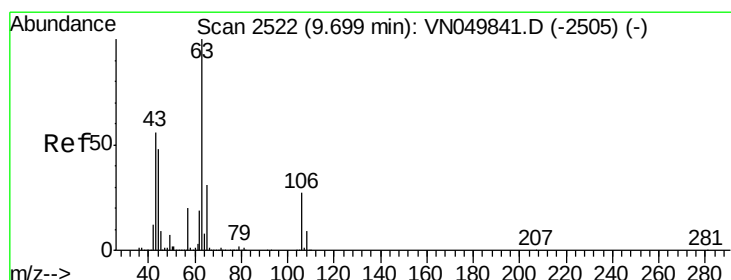
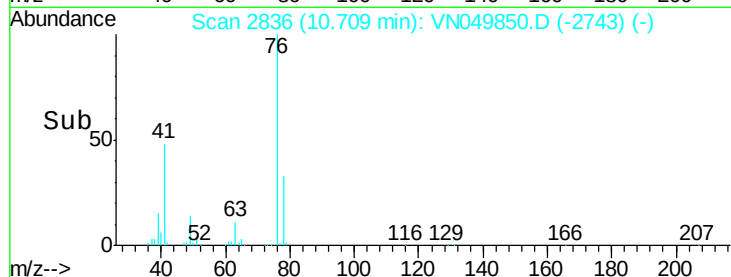
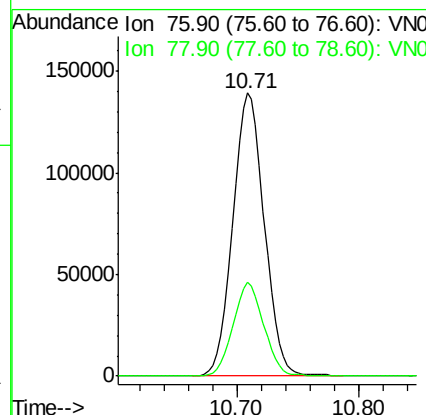
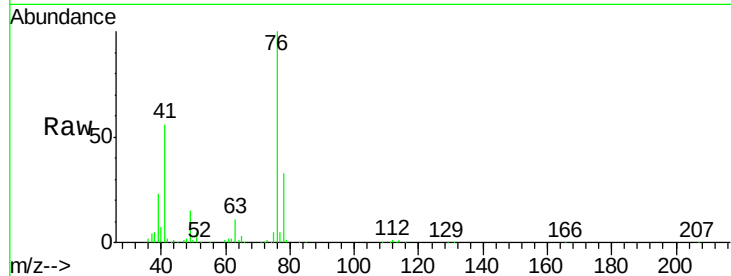
78 32.5 25.8 38.8

Manual Integrations

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7/18/2018 11:59:15 AM



#58

2-Chloroethyl Vinyl ether

Concen: 110.46 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN049850.D

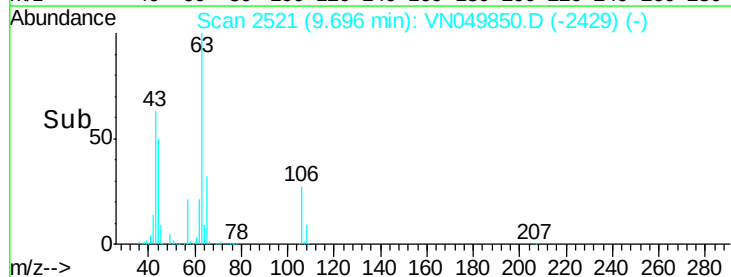
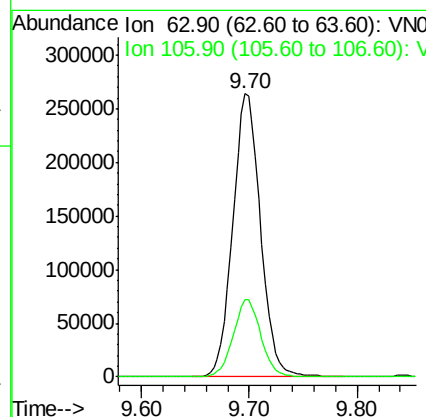
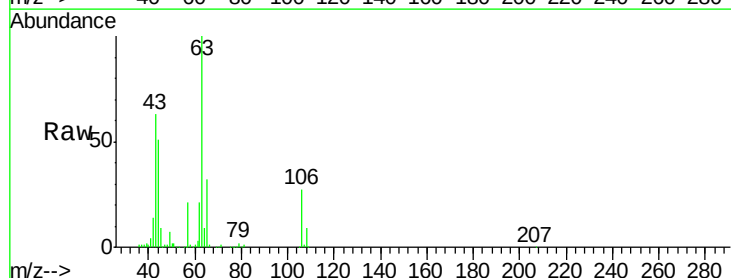
Acq: 17 Jul 2018 17:00

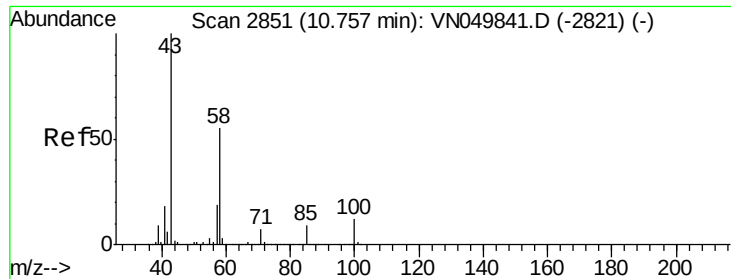
Tgt Ion: 63 Resp: 473352

Ion Ratio Lower Upper

63 100

106 27.2 21.8 32.8





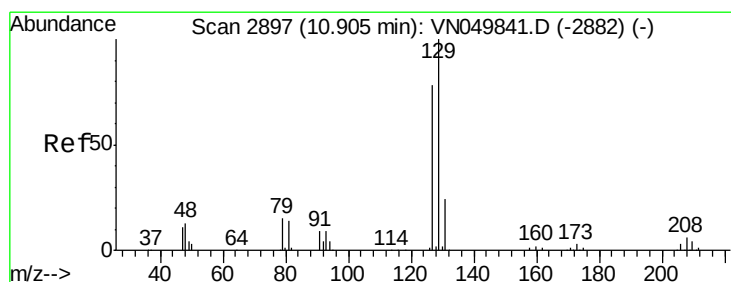
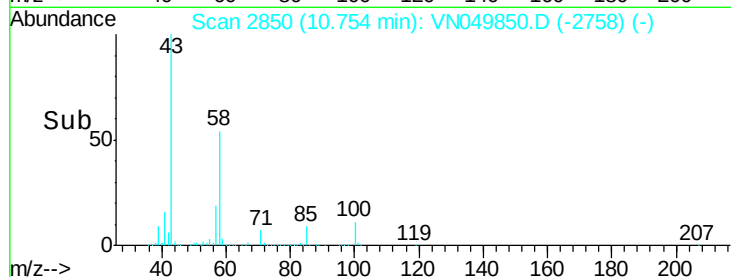
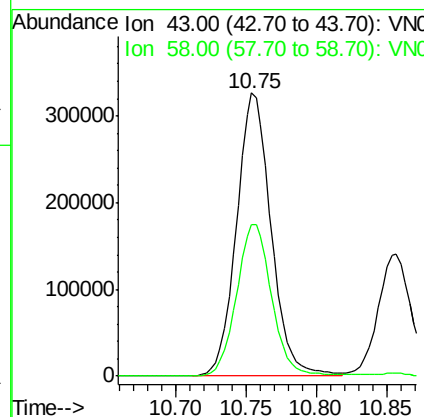
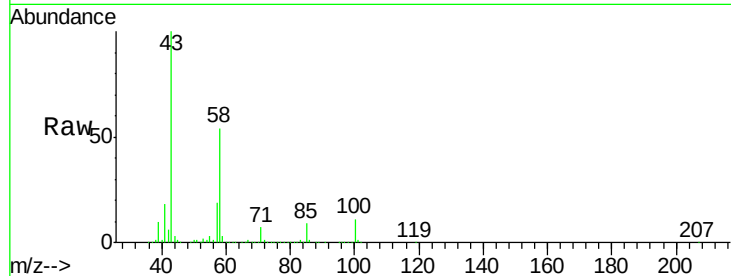
#59
2-Hexanone
Concen: 108.50 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	43.00	Resp	558282
Ion Ratio	100	Lower	Upper
43	100		
58	54.9	27.8	83.4

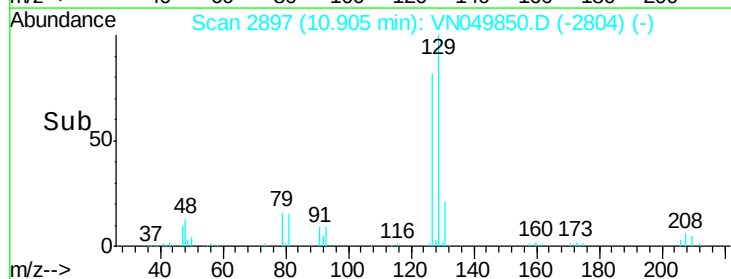
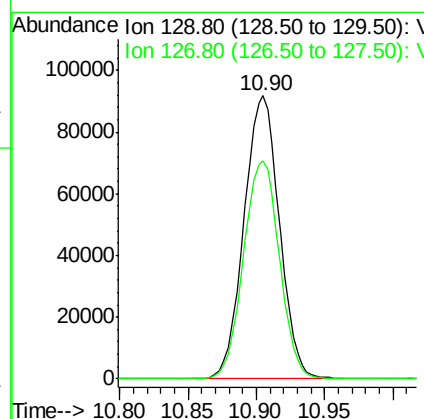
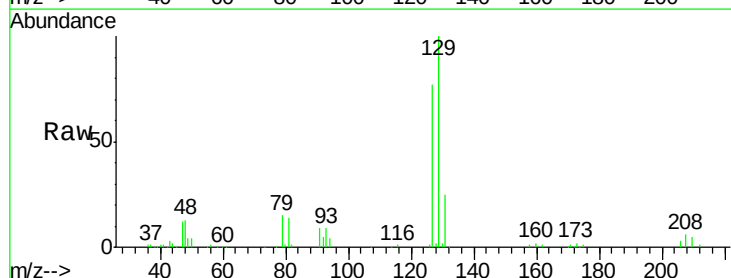
Manual Integrations
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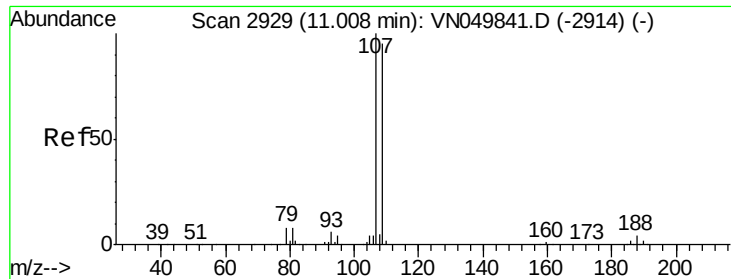
MMDadoda
7/18/2018 11:59:15 AM



#60
Dibromochloromethane
Concen: 19.85 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion	129	Resp	165631
Ion Ratio	100	Lower	Upper
129	100		
127	78.2	38.3	114.9





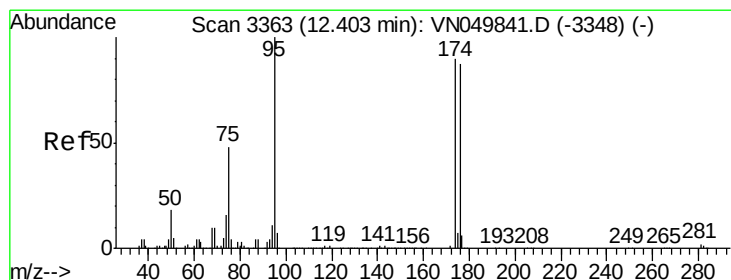
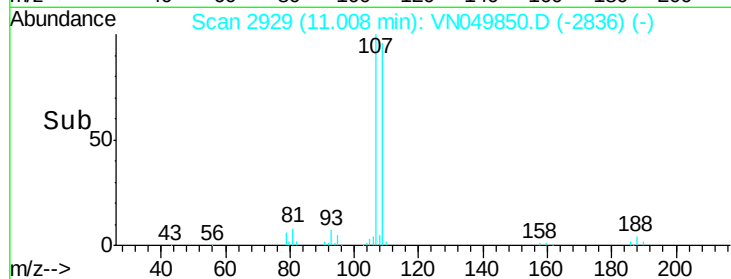
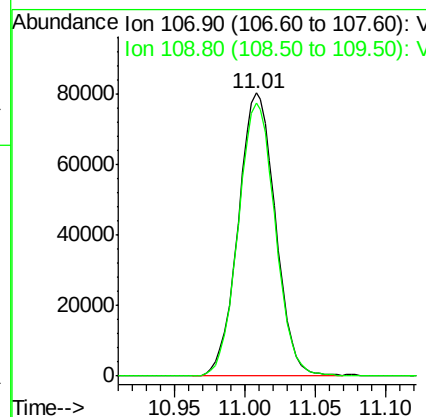
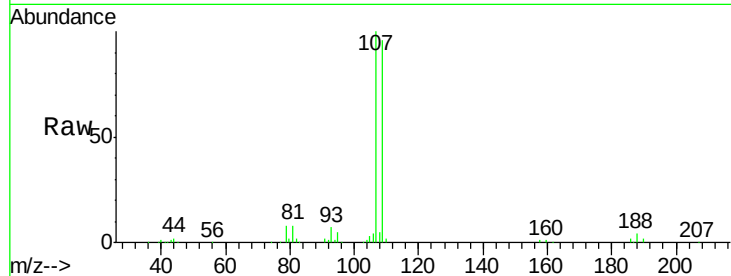
#61
 1,2-Dibromoethane
 Concen: 20.17 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	75.0	112.6

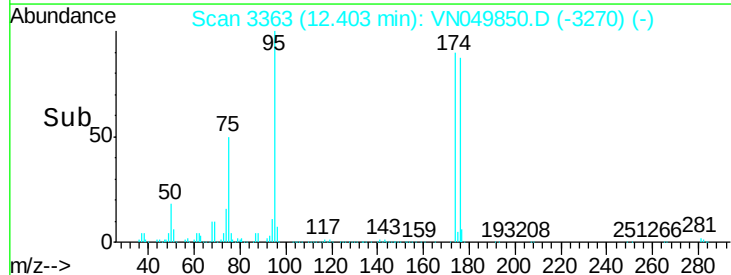
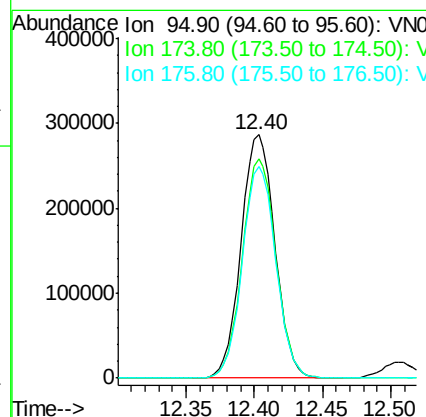
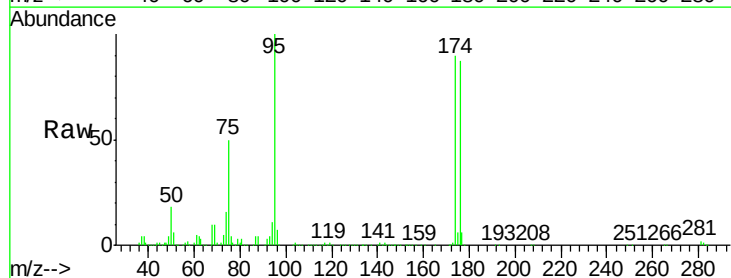
Manual Integrations
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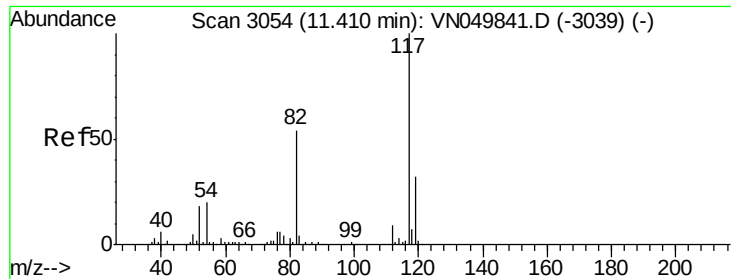
MMDadoda
 7/18/2018 11:59:15 AM



#62
 4-Bromofluorobenzene
 Concen: 53.17 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	179.6
176	86.4	0.0	174.0





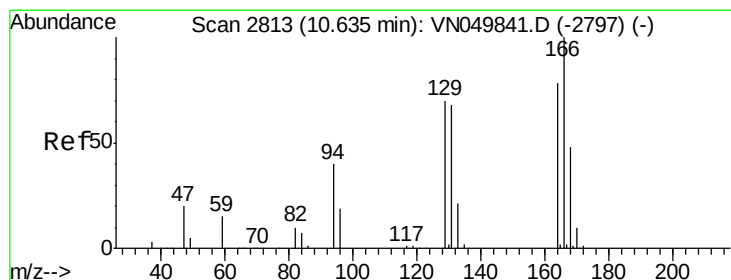
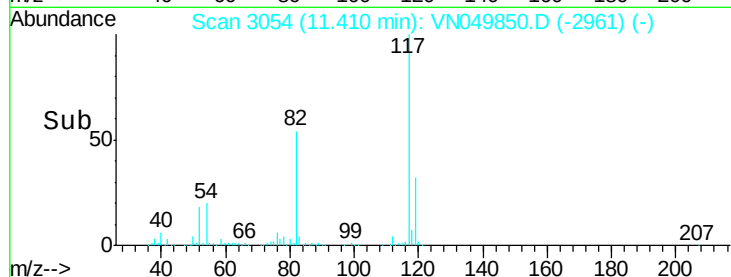
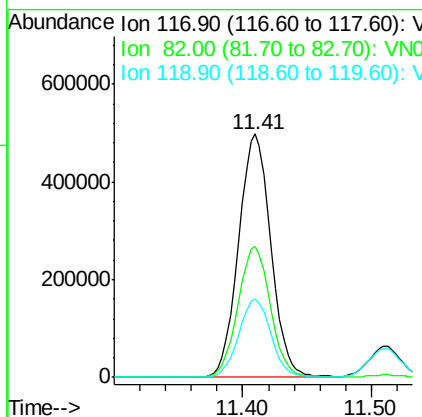
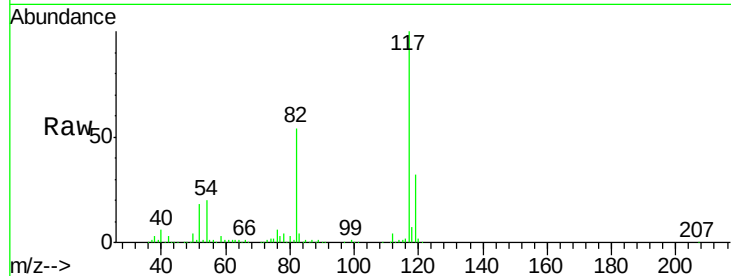
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	41.9	62.9
119	32.4	25.4	38.2

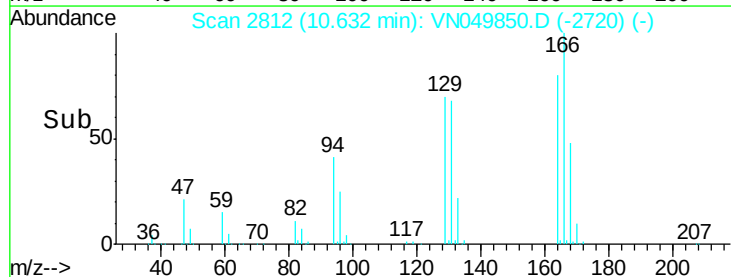
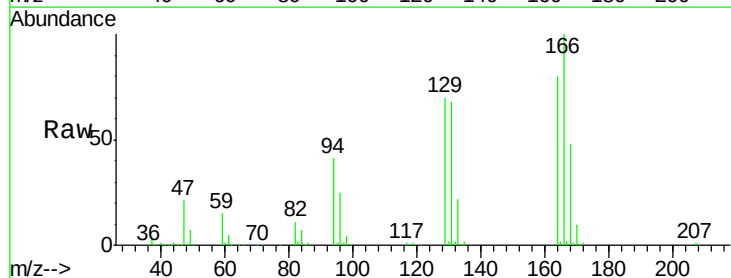
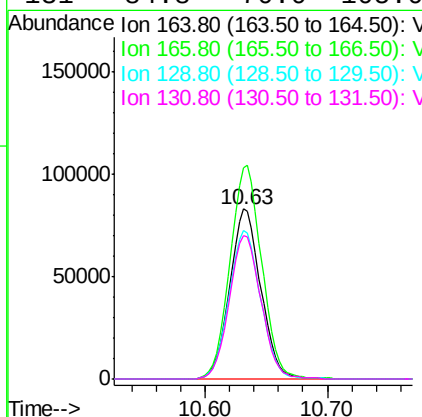
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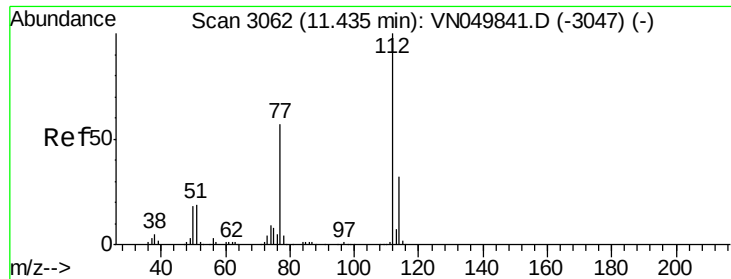
MMDadoda
7/18/2018 11:59:15 AM



#64
Tetrachloroethene
Concen: 19.94 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	101.8	152.6
129	87.7	72.8	109.2
131	84.8	70.0	105.0





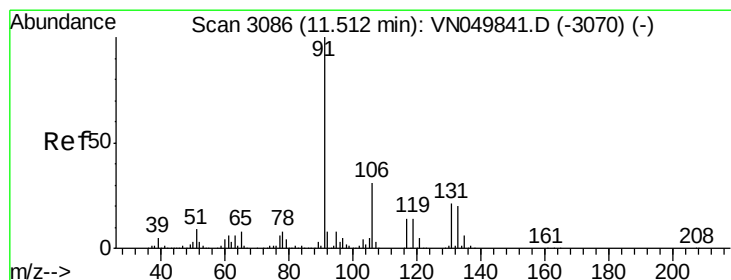
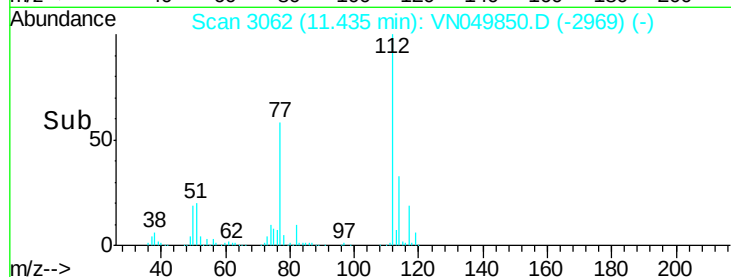
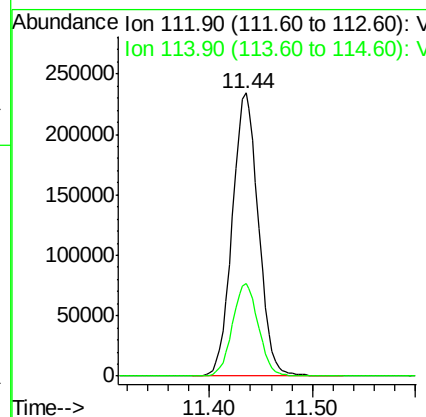
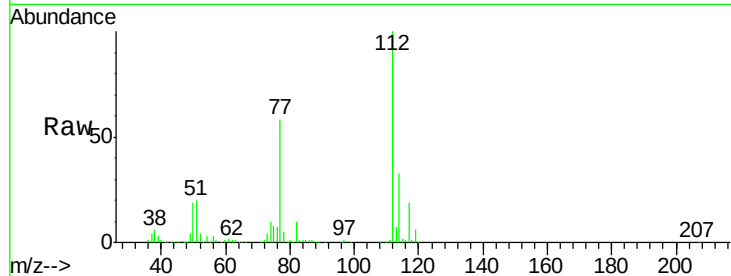
#65
Chlorobenzene
Concen: 20.09 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion:112 Resp: 414049
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.0

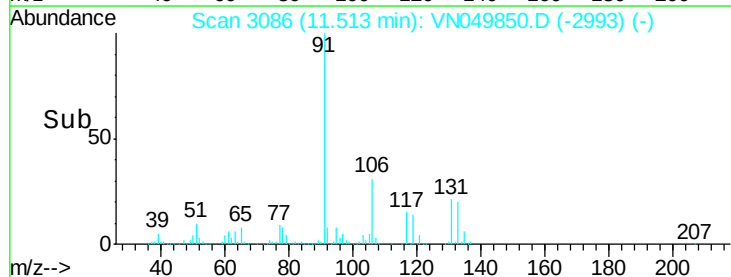
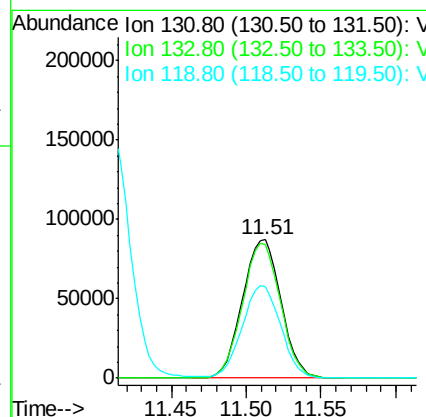
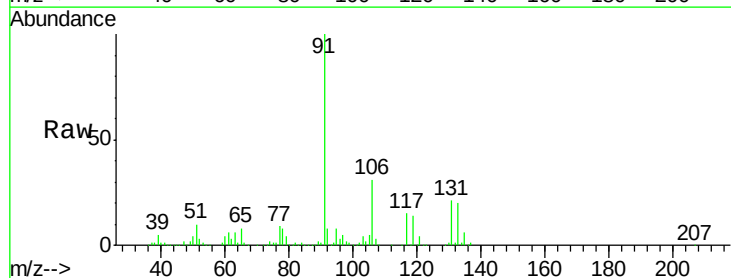
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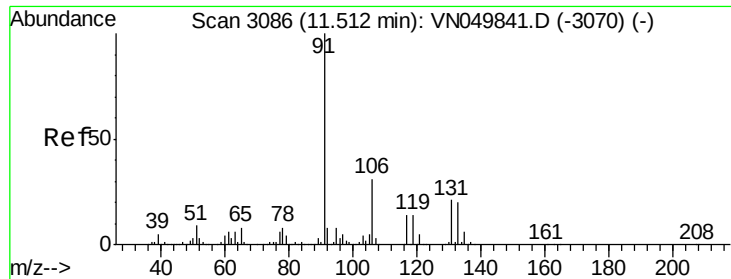
MMDadoda
7/18/2018 11:59:15 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.82 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion:131 Resp: 156837
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.6
119 66.8 33.1 99.3





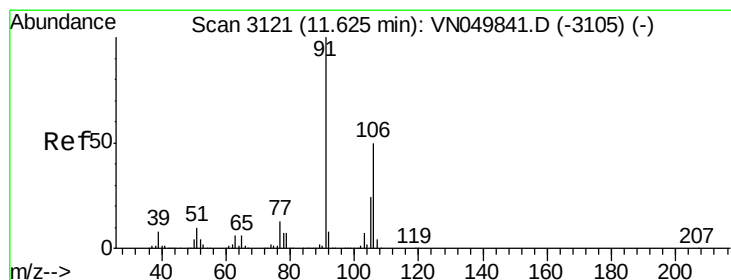
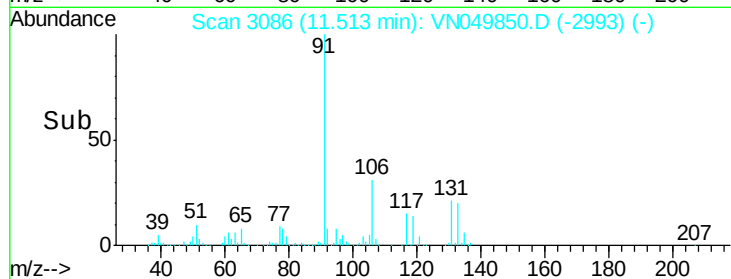
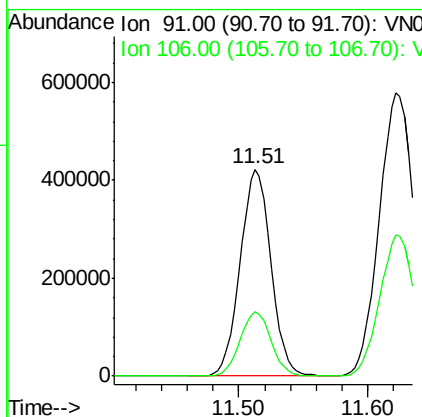
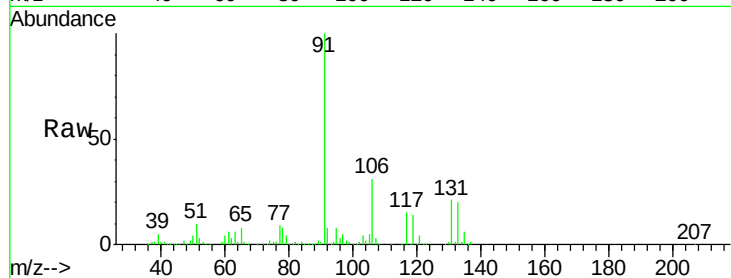
#67
Ethyl Benzene
Concen: 21.20 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Instrument :
MSVOA_N
ClientSampled :
VN0717WBS01

Tot Ion: 91 Resp: 702463
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2

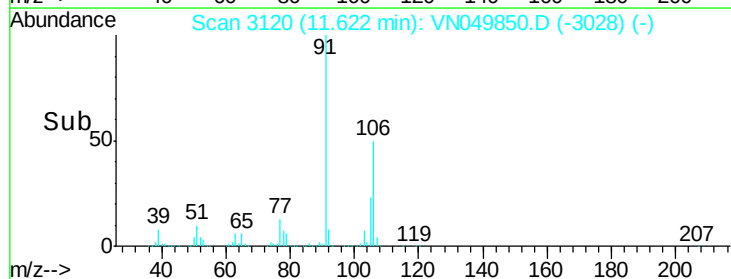
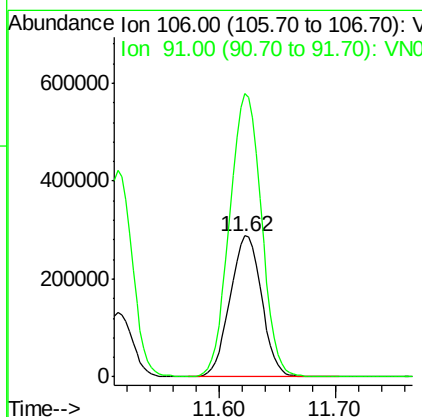
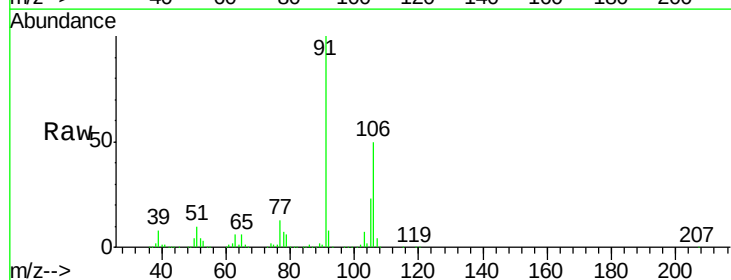
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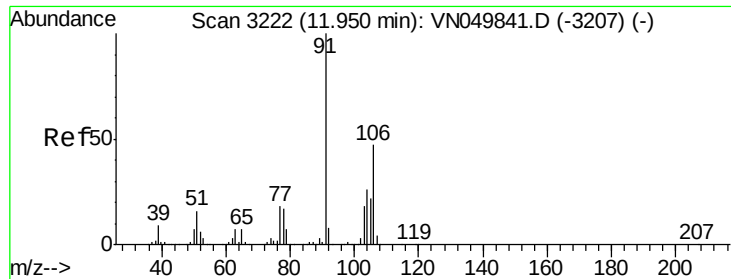
MMDadoda
7/18/2018 11:59:15 AM



#68
m/p-Xylenes
Concen: 43.33 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion: 106 Resp: 544722
Ion Ratio Lower Upper
106 100
91 201.7 163.4 245.2





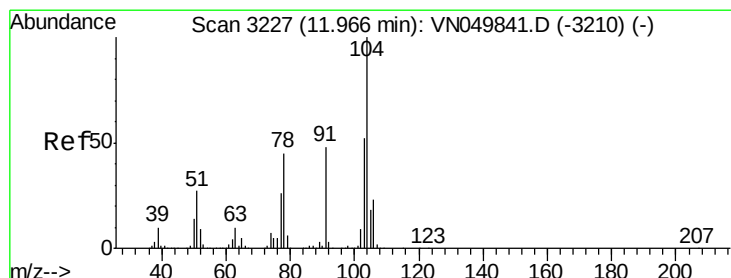
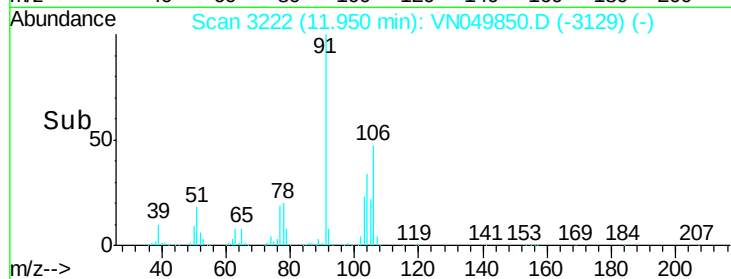
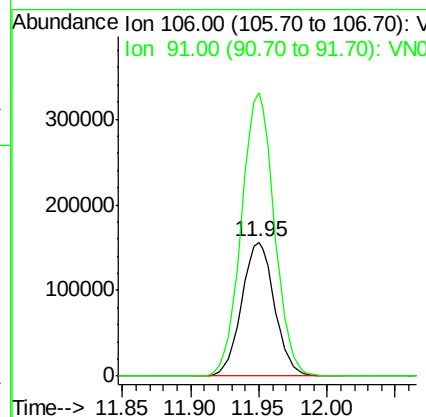
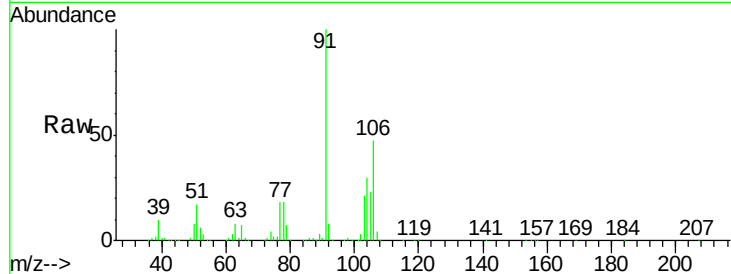
#69
o-Xylene
Concen: 21.76 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Instrument :
MSVOA_N
ClientSampled :
VN0717WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		260875		
91	212.5	108.7	326.1		

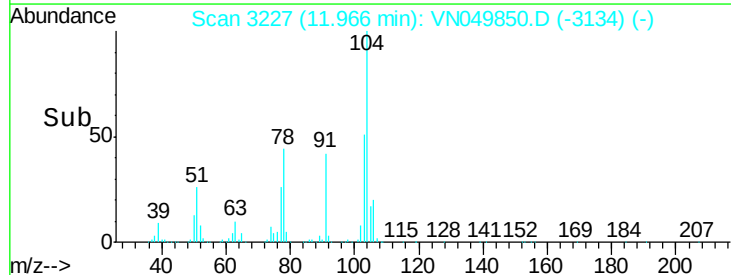
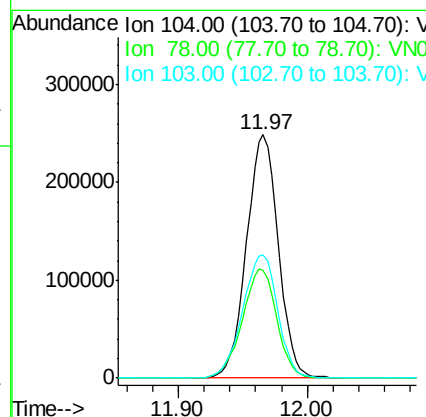
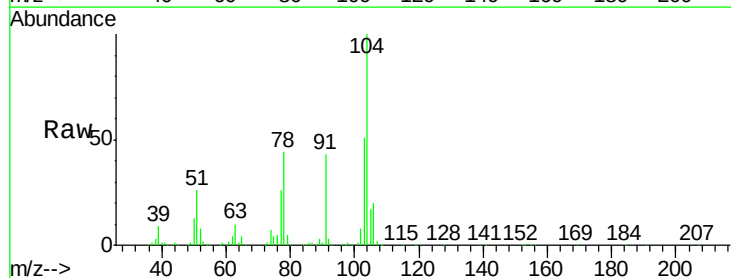
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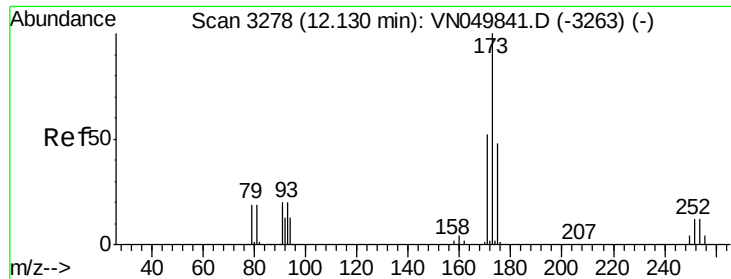
MMDadoda
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#70
Styrene
Concen: 22.05 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		428441		
78	48.5	39.2	58.8		
103	55.8	44.6	67.0		





#71

Bromoform

Concen: 19.52 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

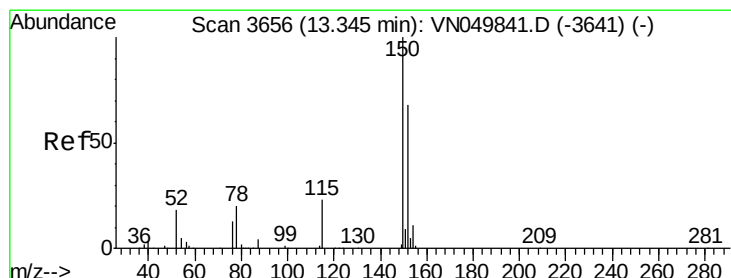
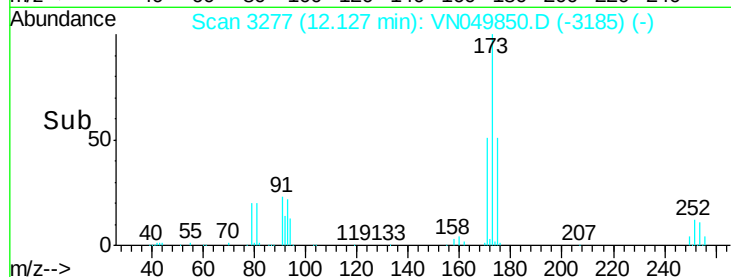
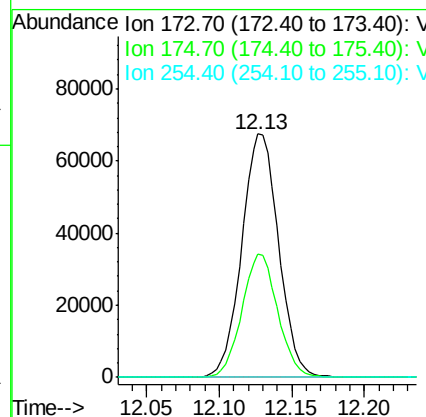
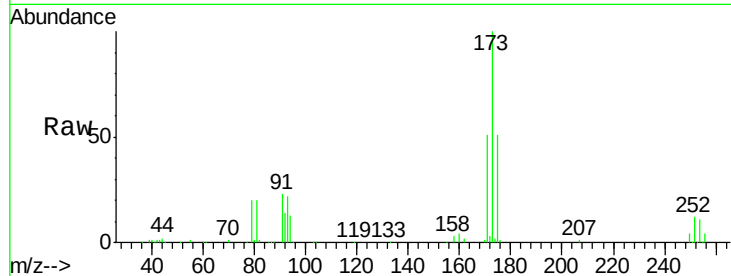
ClientSampleId :

VN0717WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100		118941		
175	49.3	24.6	73.8		
254	0.1	0.2	0.2#		

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

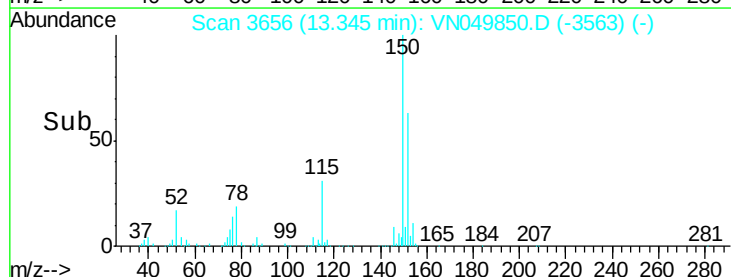
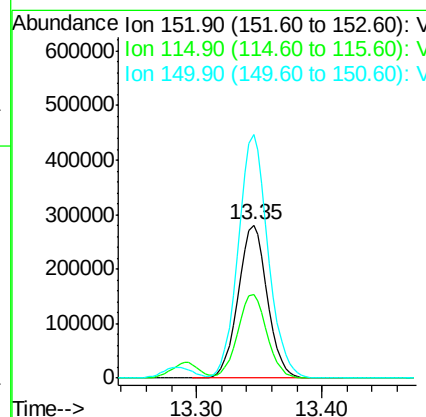
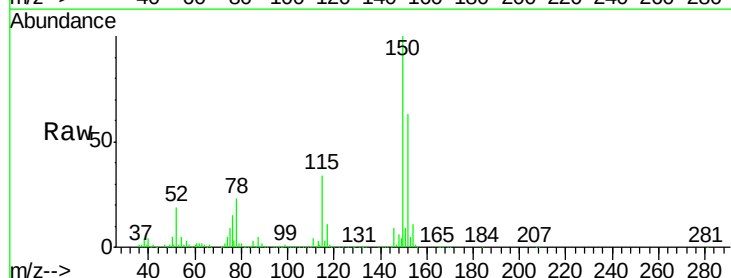
RT: 13.35 min Scan# 3656

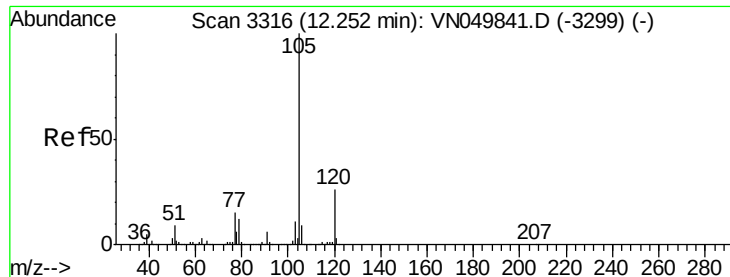
Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		450123		
115	54.8	28.1	84.2		
150	163.7	0.0	347.6		





#73

Isopropylbenzene

Concen: 21.30 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion: 105 Resp: 694215

Ion Ratio Lower Upper

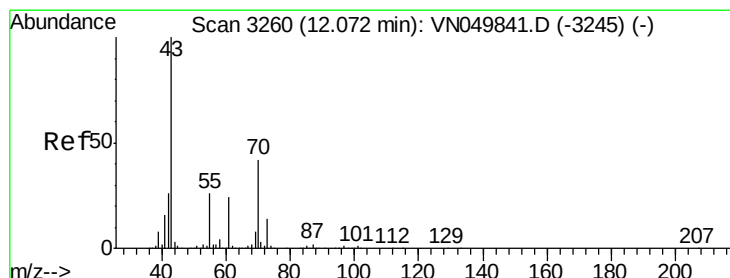
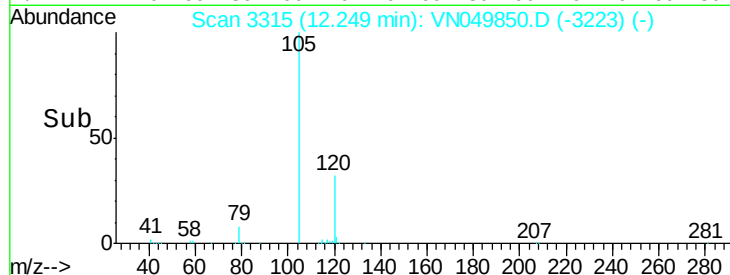
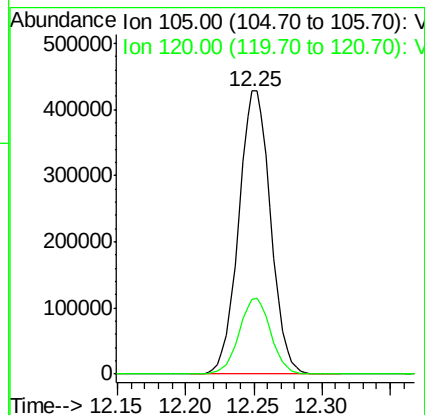
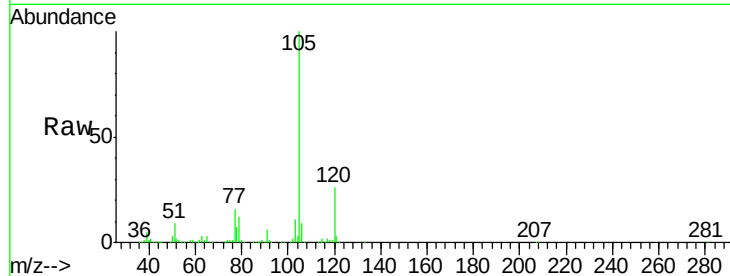
105 100

120 26.6 13.3 39.8

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#74

N-ethyl acetate

Concen: 21.28 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Tgt Ion: 43 Resp: 229179

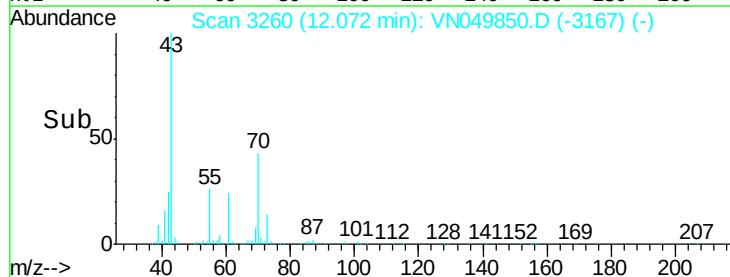
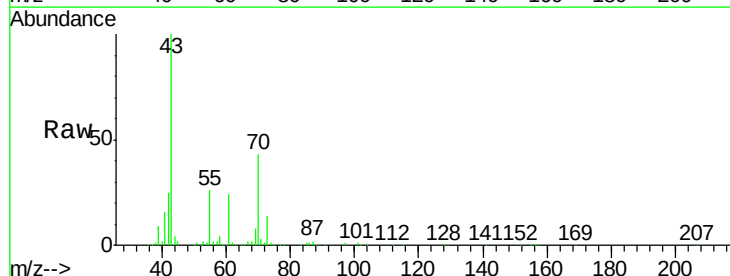
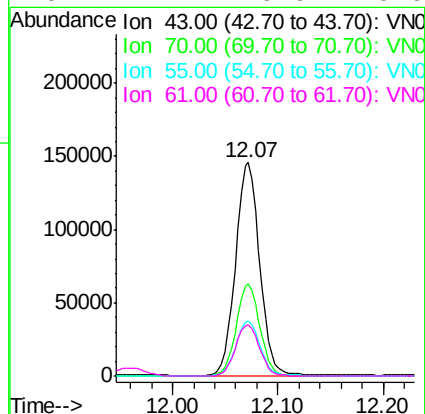
Ion Ratio Lower Upper

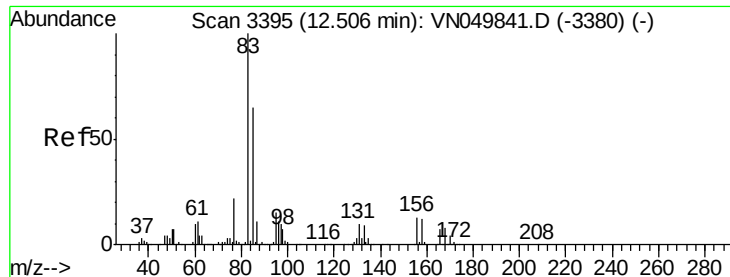
43 100

70 42.7 34.8 52.2

55 26.6 20.9 31.3

61 24.2 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.66 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion: 83 Resp: 205496
Ion Ratio Lower Upper

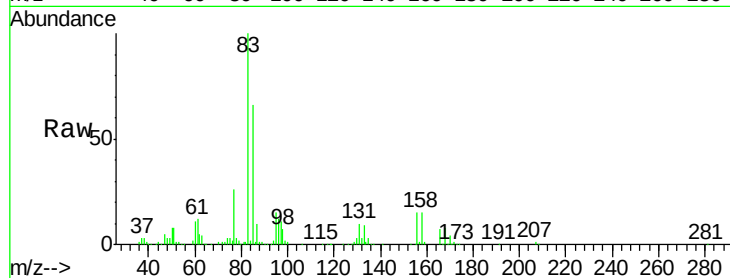
83 100

131 10.5 5.2 15.6

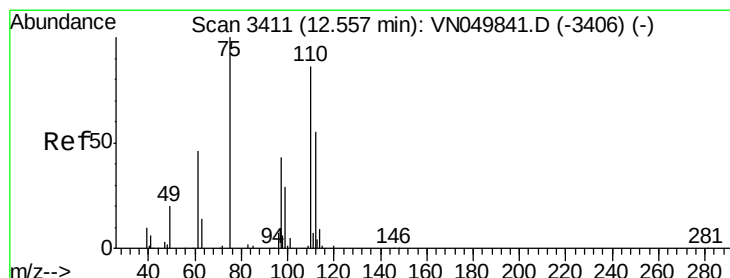
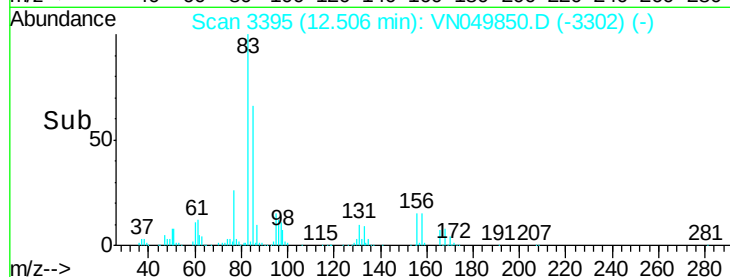
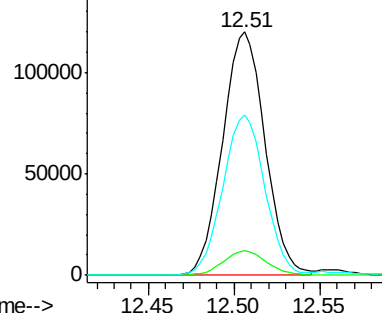
85 65.2 32.5 97.4

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7/18/2018 11:59:15 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 19.98 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

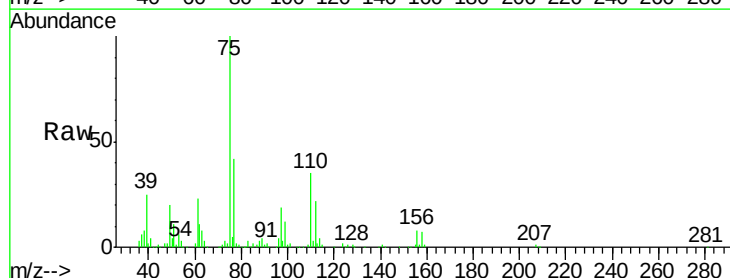
Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

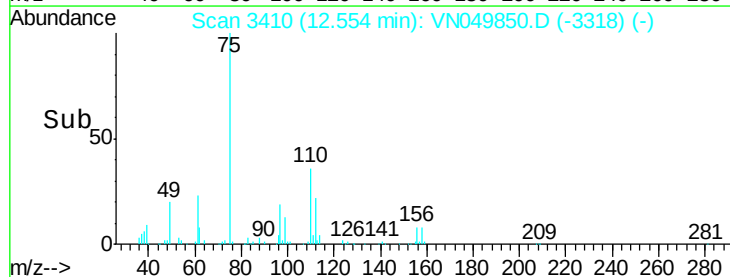
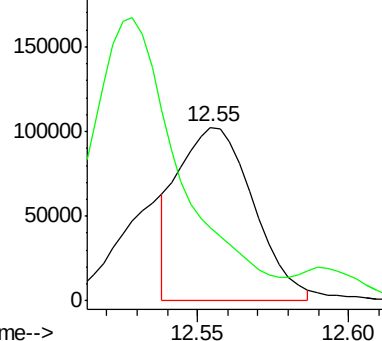
Tgt Ion: 75 Resp: 175958
Ion Ratio Lower Upper

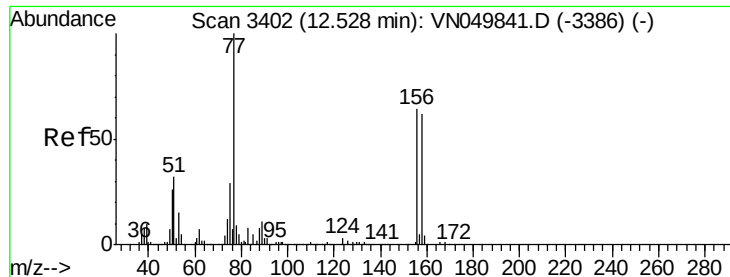
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.96 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

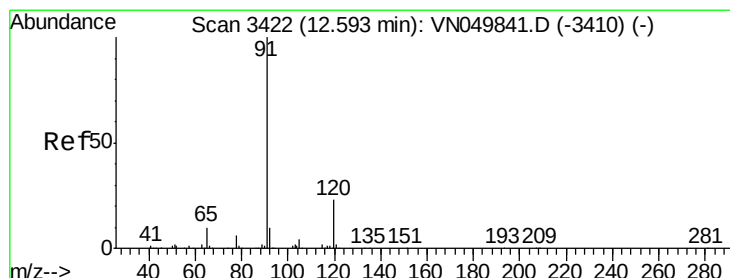
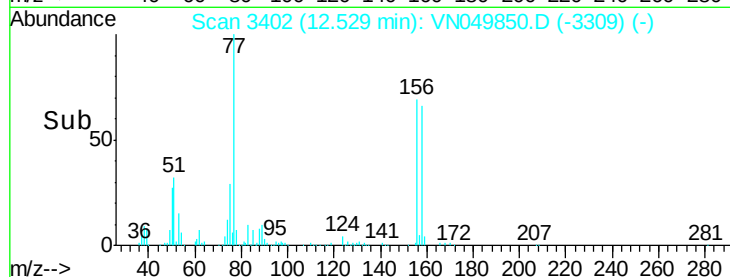
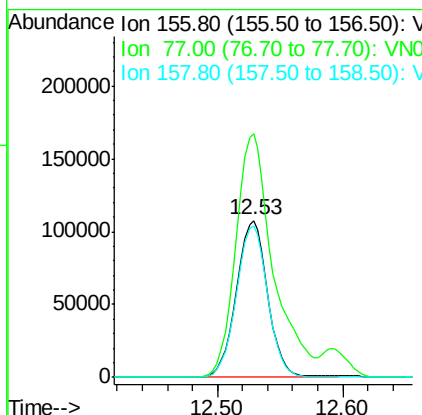
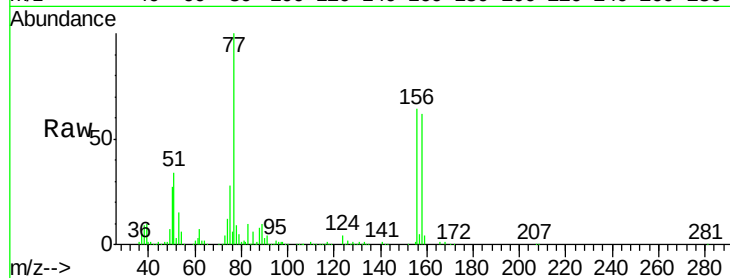
ClientSampleId :

VN0717WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	184.5	90.2	270.6
158	95.8	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 21.58 ug/l

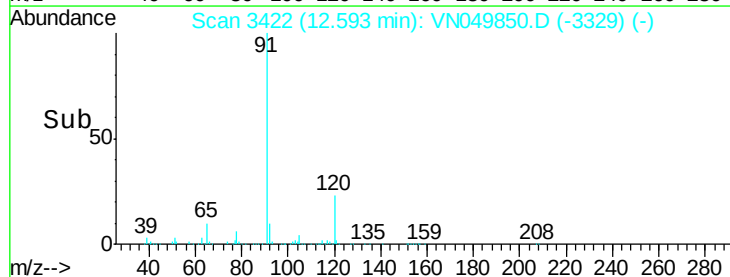
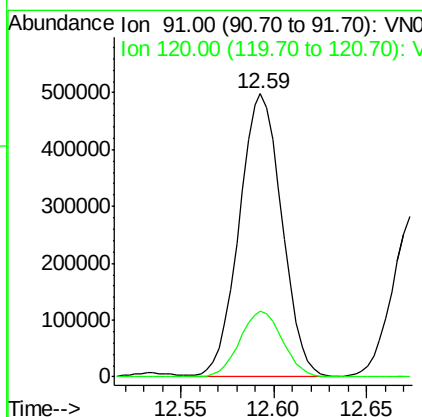
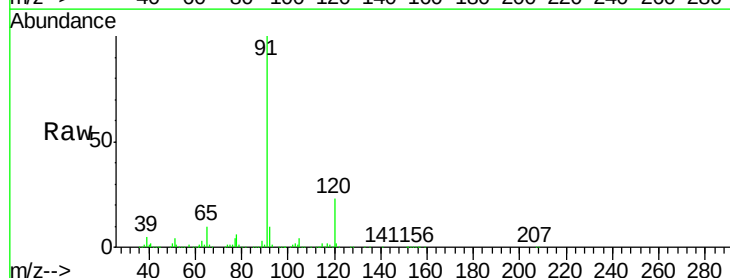
RT: 12.59 min Scan# 3422

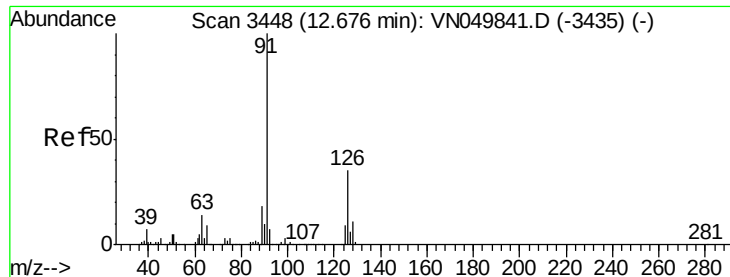
Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.4





#79

2-Chlorotoluene

Concen: 21.32 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampled :

VN0717WBS01

Tot Ion: 91 Resp: 482685

Ion Ratio Lower Upper

91 100

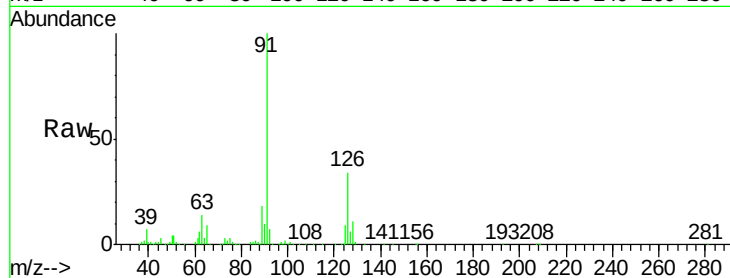
126 34.6 17.5 52.5

Manual Integrations

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MMDadoda

7/18/2018 11:59:15 AM



Abundance Ion 91.00 (90.70 to 91.70): VN049841.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049841.D (-3435) (-)

500000

400000

300000

200000

100000

0

12.60

12.65

12.70

12.75

12.80

12.85

12.90

12.95

13.00

13.05

13.10

13.15

13.20

13.25

13.30

13.35

13.40

13.45

13.50

13.55

13.60

13.65

13.70

13.75

13.80

13.85

13.90

13.95

14.00

14.05

14.10

14.15

14.20

14.25

14.30

14.35

14.40

14.45

14.50

14.55

14.60

14.65

14.70

14.75

14.80

14.85

14.90

14.95

15.00

15.05

15.10

15.15

15.20

15.25

15.30

15.35

15.40

15.45

15.50

15.55

15.60

15.65

15.70

15.75

15.80

15.85

15.90

15.95

16.00

16.05

16.10

16.15

16.20

16.25

16.30

16.35

16.40

16.45

16.50

16.55

16.60

16.65

16.70

16.75

16.80

16.85

16.90

16.95

17.00

17.05

17.10

17.15

17.20

17.25

17.30

17.35

17.40

17.45

17.50

17.55

17.60

17.65

17.70

17.75

17.80

17.85

17.90

17.95

18.00

18.05

18.10

18.15

18.20

18.25

18.30

18.35

18.40

18.45

18.50

18.55

18.60

18.65

18.70

18.75

18.80

18.85

18.90

18.95

19.00

19.05

19.10

19.15

19.20

19.25

19.30

19.35

19.40

19.45

19.50

19.55

19.60

19.65

19.70

19.75

19.80

19.85

19.90

19.95

20.00

20.05

20.10

20.15

20.20

20.25

20.30

20.35

20.40

20.45

20.50

20.55

20.60

20.65

20.70

20.75

20.80

20.85

20.90

20.95

21.00

21.05

21.10

21.15

21.20

21.25

21.30

21.35

21.40

21.45

21.50

21.55

21.60

21.65

21.70

21.75

21.80

21.85

21.90

21.95

22.00

22.05

22.10

22.15

22.20

22.25

22.30

22.35

22.40

22.45

22.50

22.55

22.60

22.65

22.70

22.75

22.80

22.85

22.90

22.95

23.00

23.05

23.10

23.15

23.20

23.25

23.30

23.35

23.40

23.45

23.50

23.55

23.60

23.65

23.70

23.75

23.80

23.85

23.90

23.95

24.00

24.05

24.10

24.15

24.20

24.25

24.30

24.35

24.40

24.45

24.50

24.55

24.60

24.65

24.70

24.75

24.80

24.85

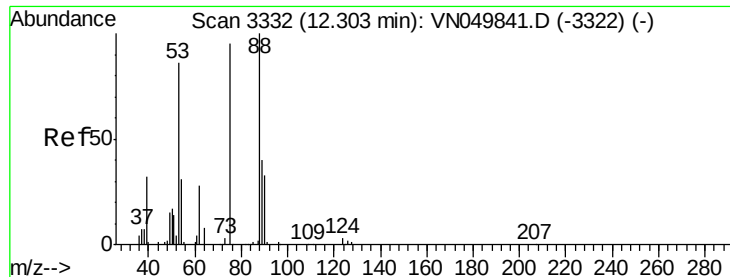
24.90

24.95

25.00

25.05

25.10



#81

trans-1,4-Dichloro-2-butene

Concen: 20.83 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

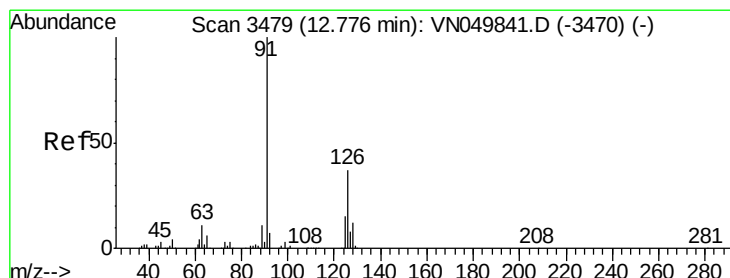
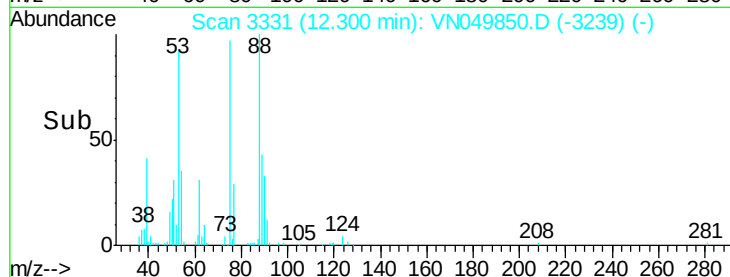
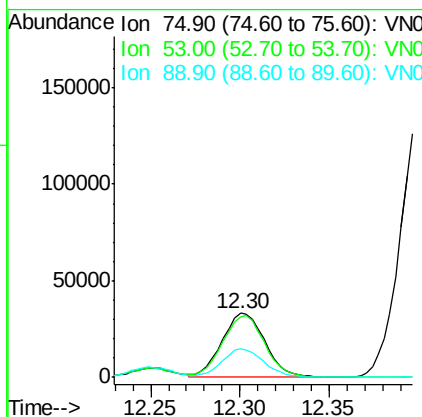
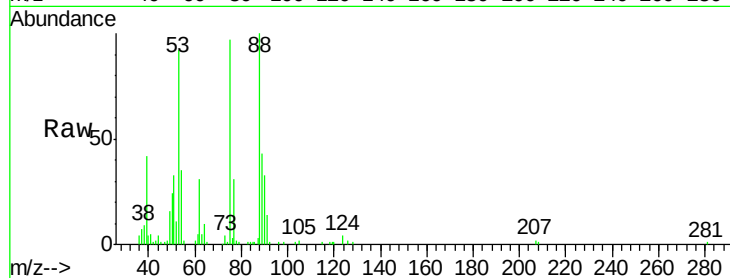
ClientSampleId :

VN0717WBS01

Tot Ion:	75	Resp:	56060
Ion	Ratio	Lower	Upper
75	100		
53	95.1	73.9	110.9
89	43.7	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.51 ug/l

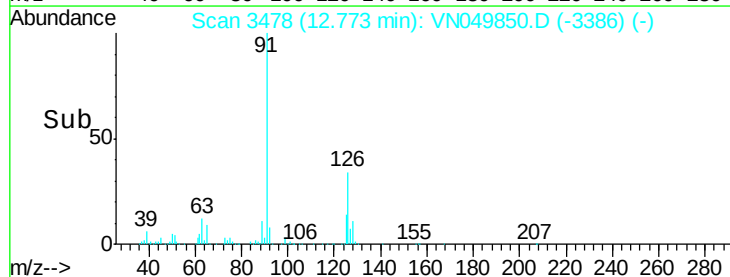
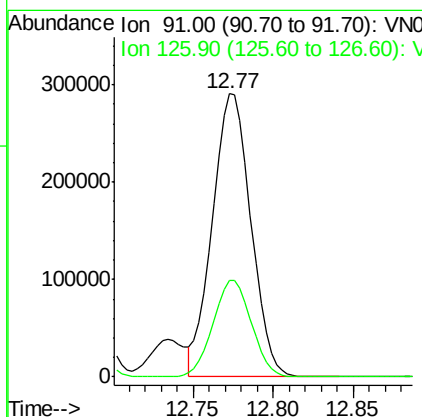
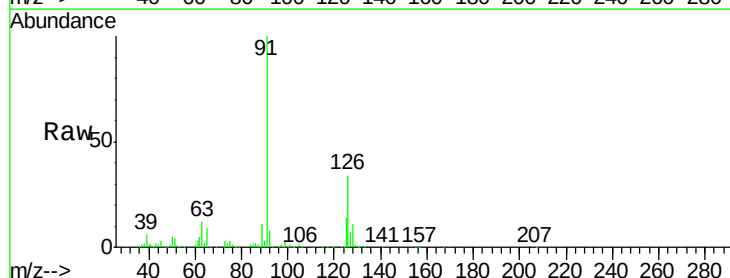
RT: 12.77 min Scan# 3478

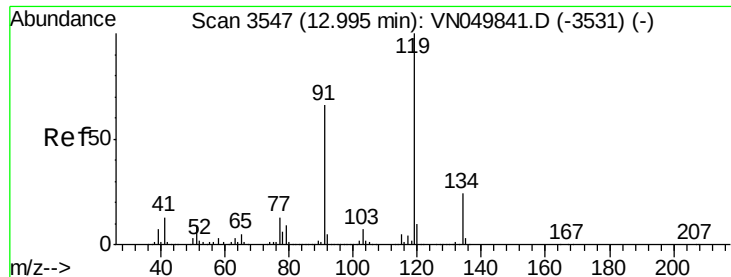
Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Tgt Ion:	91	Resp:	481177
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.2	51.6





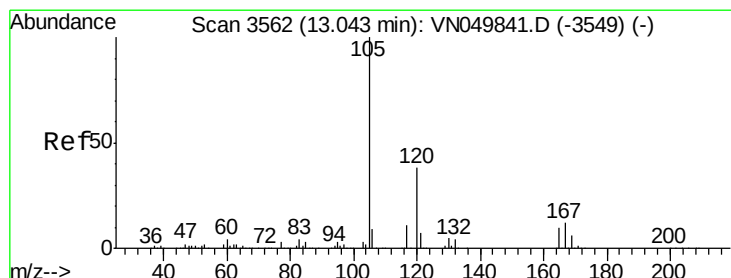
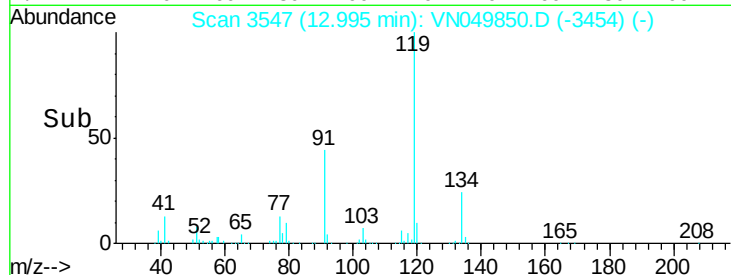
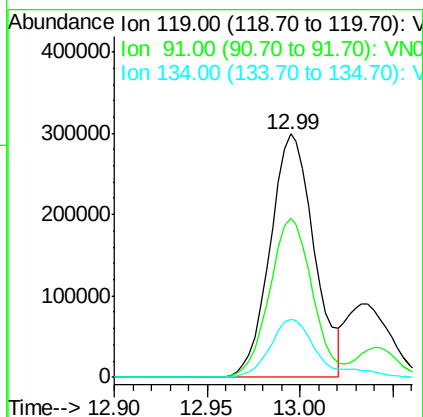
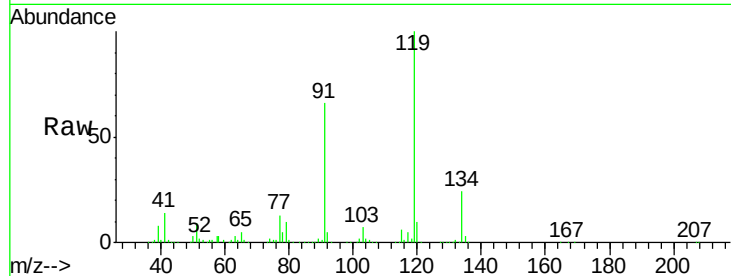
#83
 tert-Butylbenzene
 Concen: 21.95 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0717WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	32.0	96.2
134	26.0	12.8	38.4

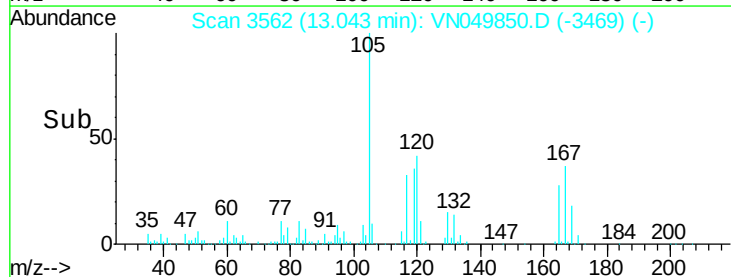
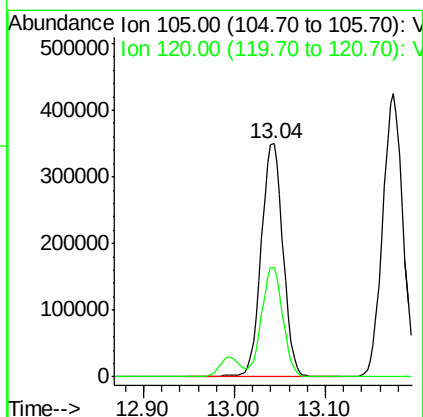
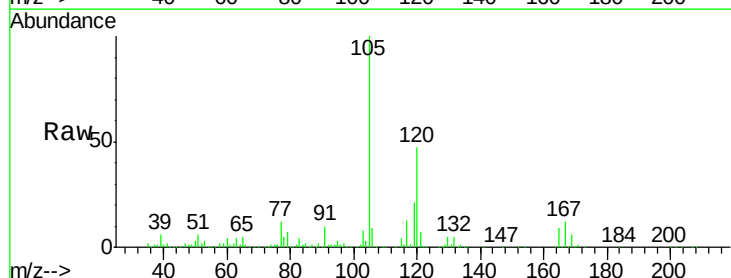
Manual Integrations
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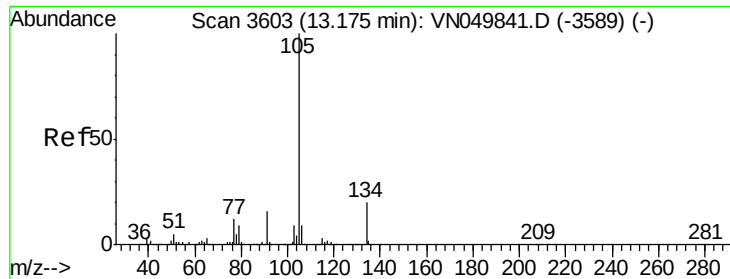
MMDadoda
 7/18/2018 11:59:15 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.31 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.7	68.1





#85

sec-Butylbenzene

Concen: 21.74 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion:105 Resp: 654722

Ion Ratio Lower Upper

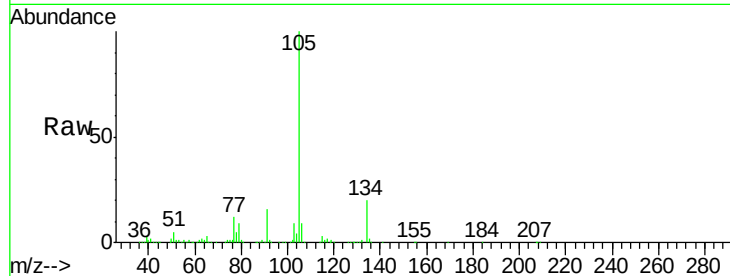
105 100

134 20.2 10.1 30.1

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

Ion 134.00 (133.70 to 134.70): V

13.17

400000

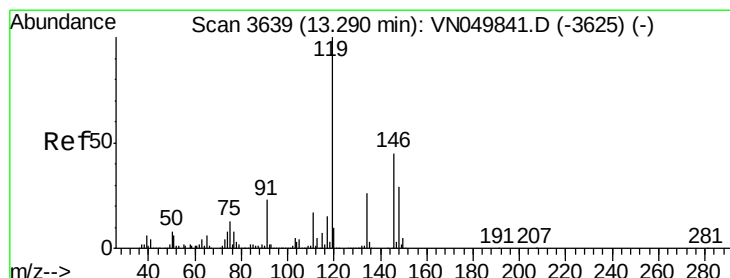
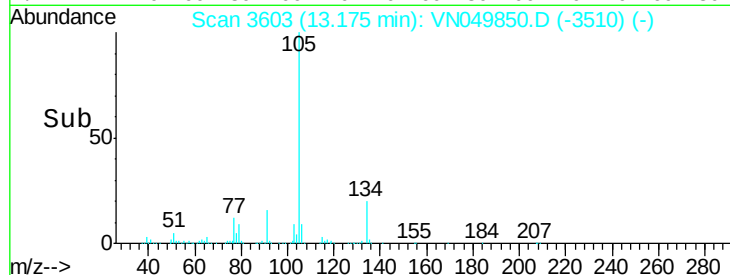
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 22.18 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

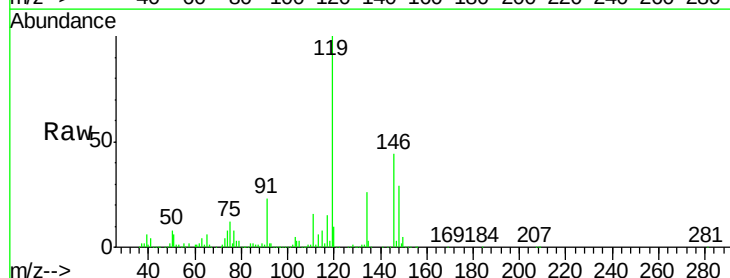
Tgt Ion:119 Resp: 564943

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 22.9 11.4 34.1



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

13.29

400000

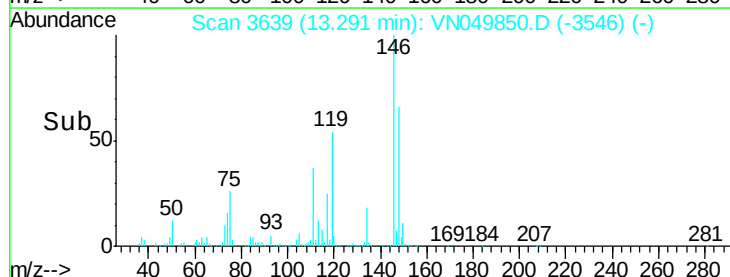
300000

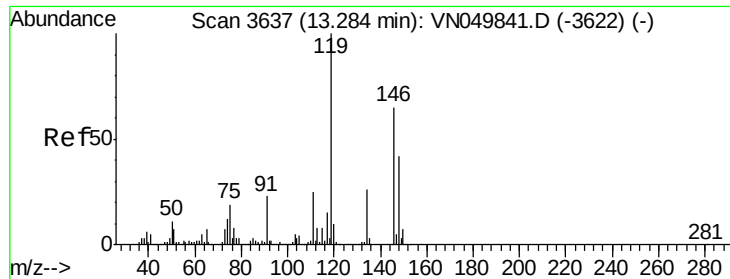
200000

100000

0

Time--> 13.25 13.30 13.35





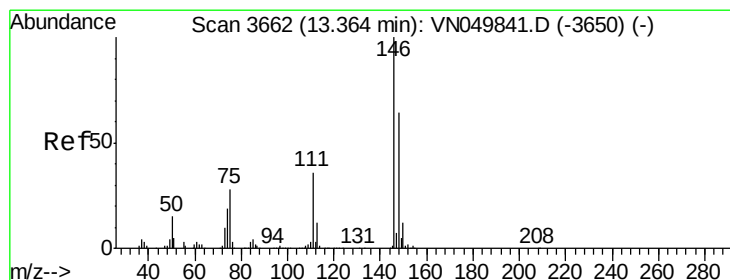
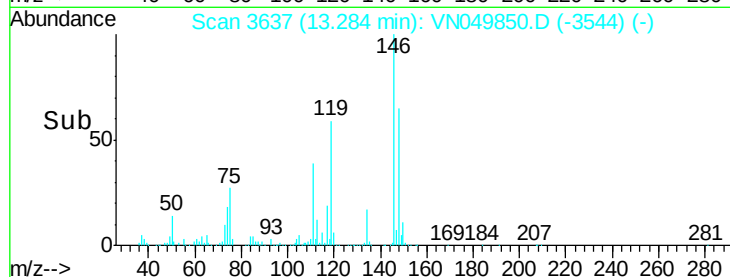
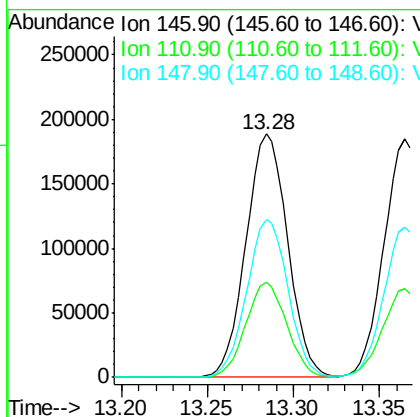
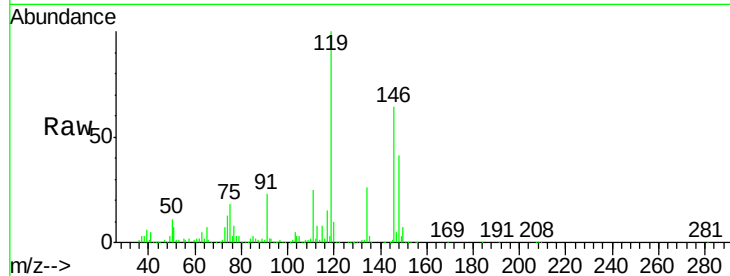
#87
 1,3-Dichlorobenzene
 Concen: 20.63 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.0	57.0
148	64.3	32.5	97.5

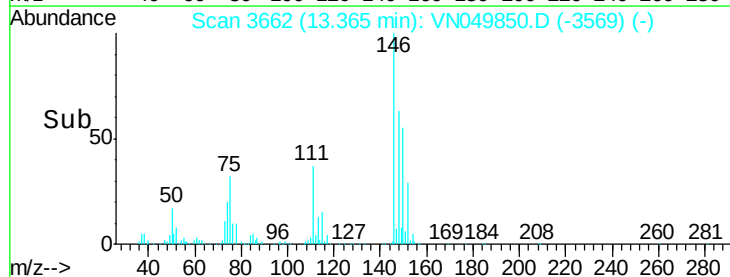
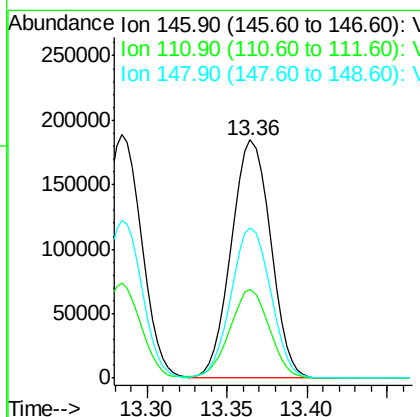
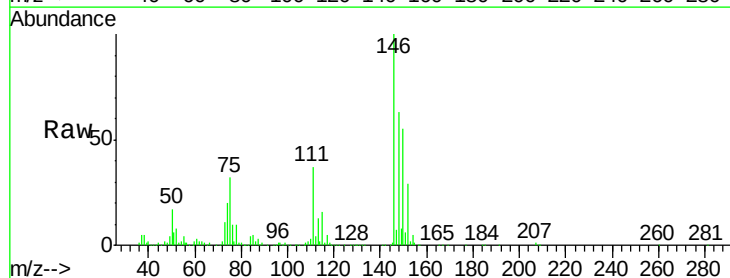
Manual Integrations
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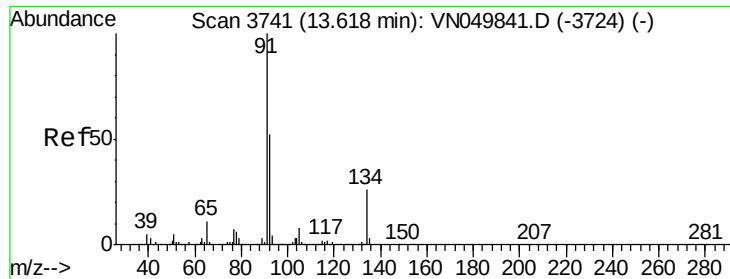
MMDadoda
 7/18/2018 11:59:15 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.61 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.5
148	63.3	32.1	96.3





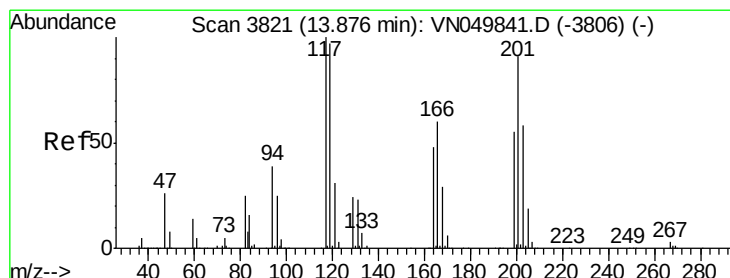
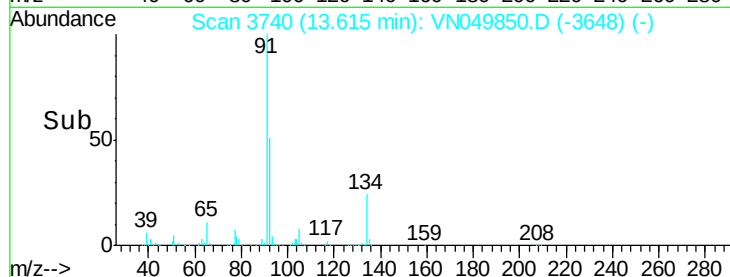
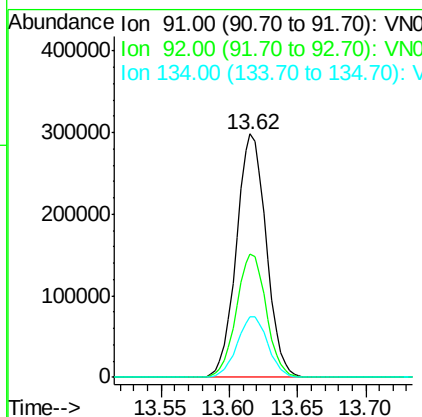
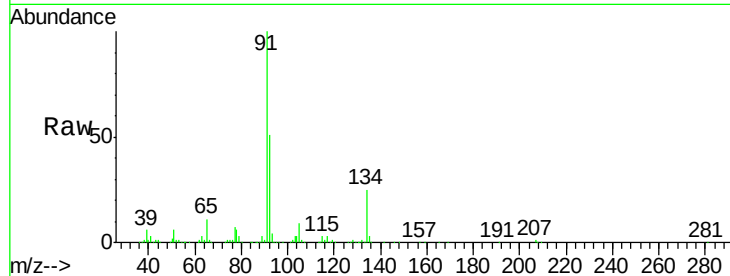
#89
n-Butylbenzene
Concen: 21.64 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.8	77.3
134	25.7	13.0	38.9

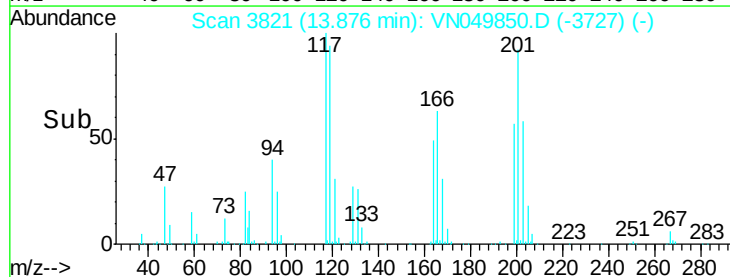
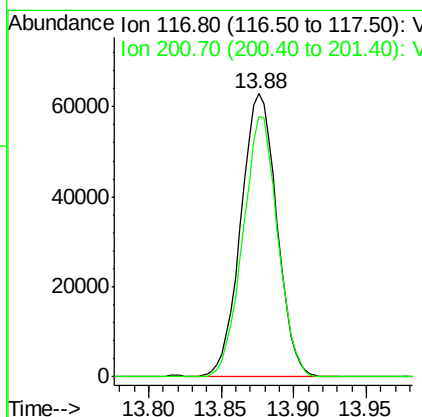
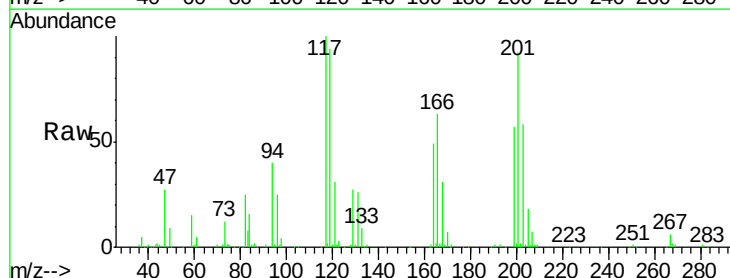
Manual Integrations
APPROVED

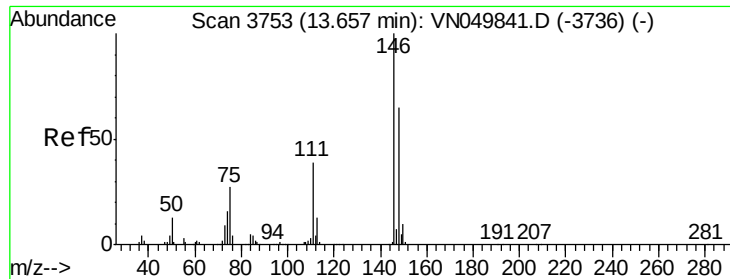
MMDadoda
7/18/2018 11:59:15 AM



#90
Hexachloroethane
Concen: 20.97 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.8	45.3	135.8





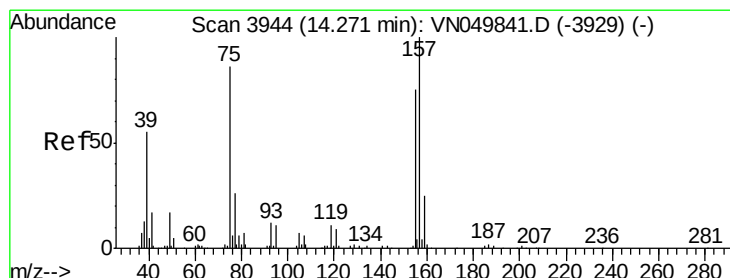
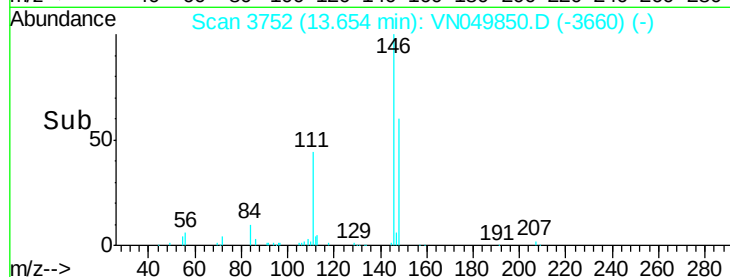
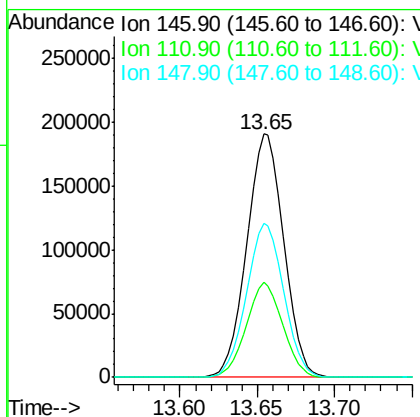
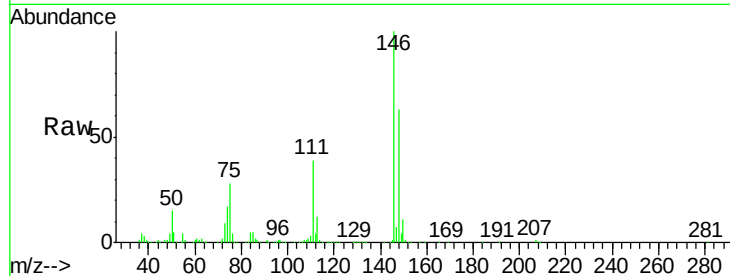
#91
 1,2-Dichlorobenzene
 Concen: 20.38 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.1
148	63.6	32.0	96.2

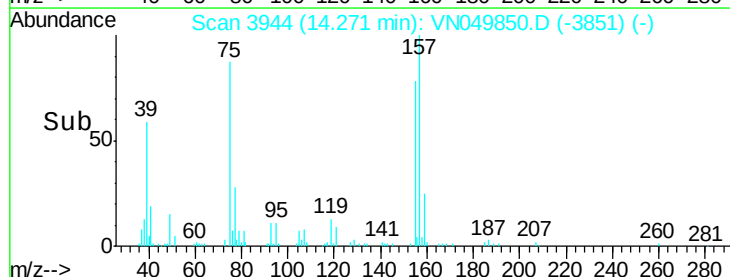
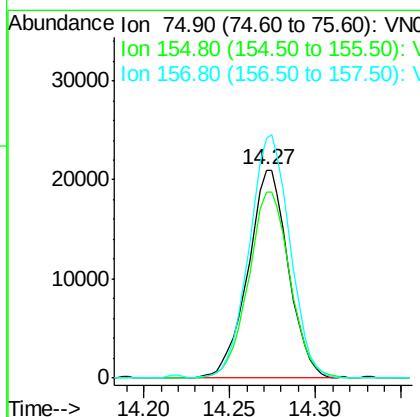
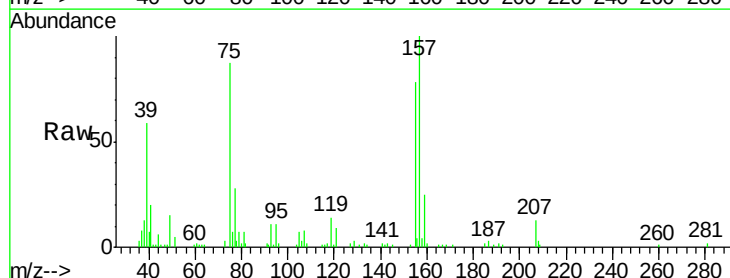
Manual Integrations
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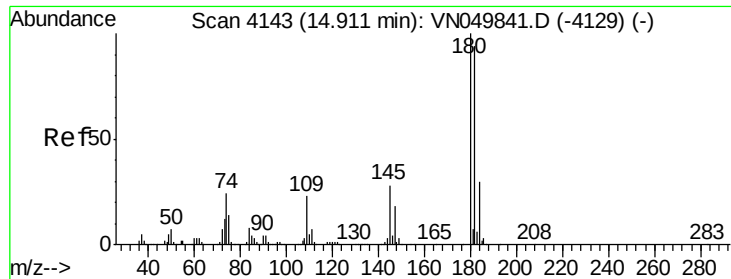
MMDadoda
 7/18/2018 11:59:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.78 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049850.D
 Acq: 17 Jul 2018 17:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	45.7	137.1
157	118.2	56.9	170.7





#93

1,2,4-Trichlorobenzene

Concen: 23.16 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Instrument :

MSVOA_N

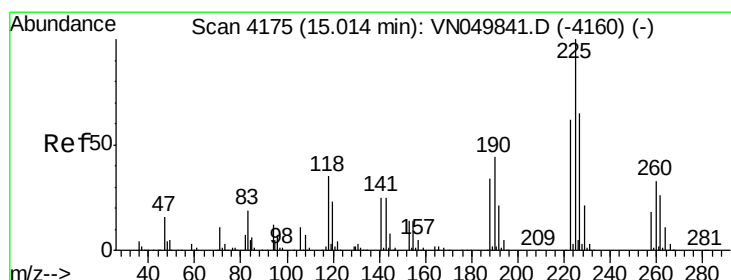
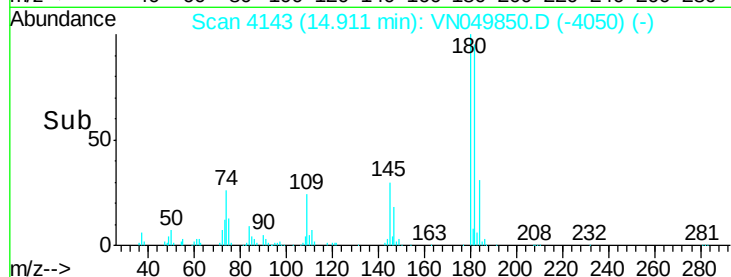
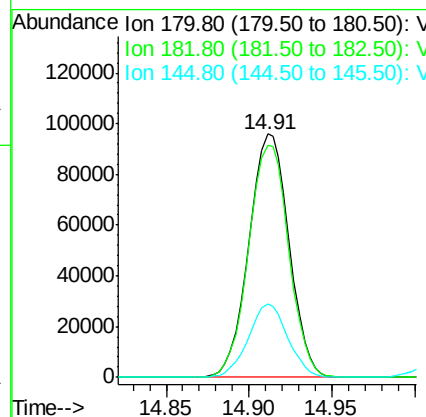
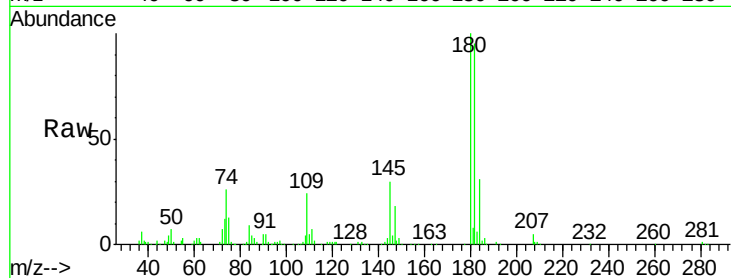
ClientSampled :

VN0717WBS01

Tot Ion:	180	Resp:	161044
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.3	141.9
145	29.7	14.4	43.0

Manual Integrations
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7/18/2018 11:59:15 AM



#94

Hexachlorobutadiene

Concen: 20.17 ug/l

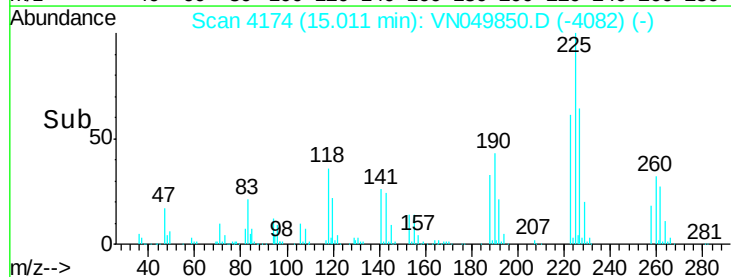
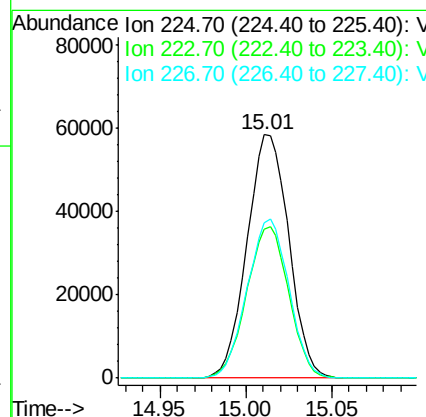
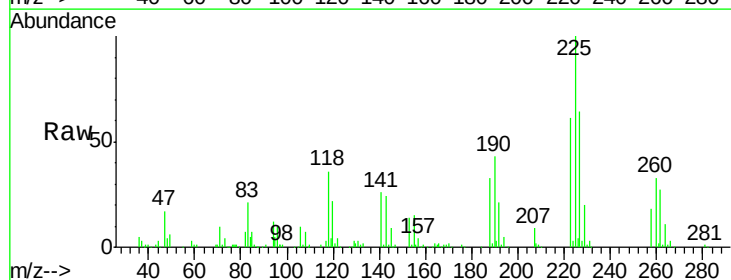
RT: 15.01 min Scan# 4174

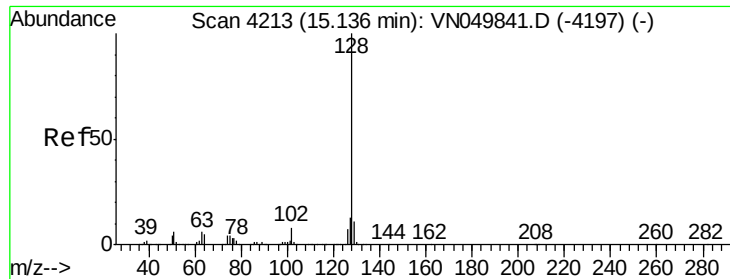
Delta R.T. -0.00 min

Lab File: VN049850.D

Acq: 17 Jul 2018 17:00

Tgt Ion:	225	Resp:	98405
Ion Ratio	Lower	Upper	
225	100		
223	62.6	30.9	92.7
227	65.2	31.8	95.4





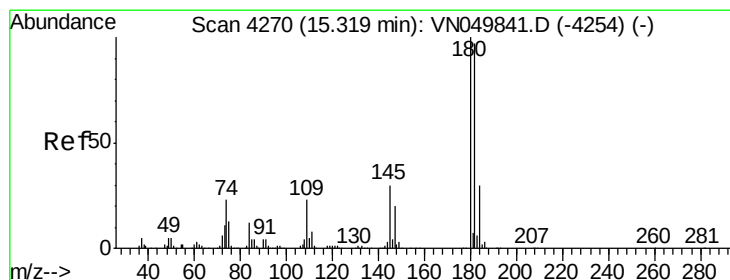
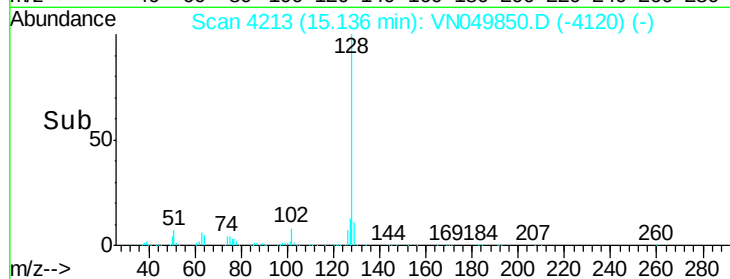
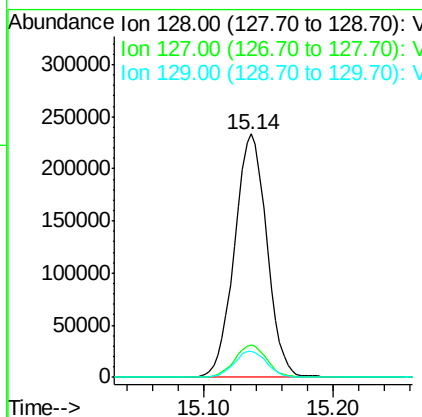
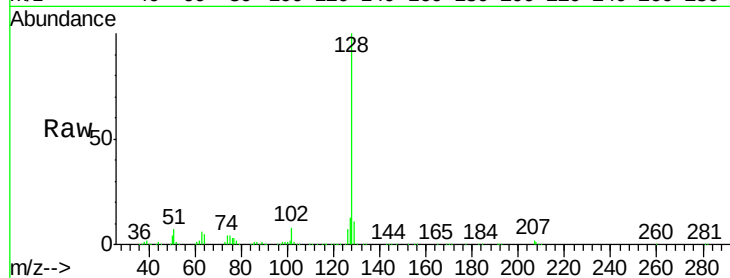
#95
Naphthalene
Concen: 22.65 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
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7/18/2018 11:59:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.82 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049850.D
Acq: 17 Jul 2018 17:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.4	142.2
145	31.1	15.2	45.6

