

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050743.D
 Acq On : 18 Aug 2018 1:41
 Operator : MD\SY
 Sample : VN0817WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD03

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 10:53:33 AM

Quant Time: Aug 18 04:50:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	463057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	768903	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	690820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	309257	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	373995	64.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.14%	
35) Dibromofluoromethane	7.59	113	342578	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	
50) Toluene-d8	10.09	98	1129501	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.40	95	352474	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	73684	14.11	ug/l	97
3) Chloromethane	2.06	50	140334	21.78	ug/l	99
4) Vinyl Chloride	2.18	62	123706	17.84	ug/l	99
5) Bromomethane	2.56	94	84302	21.42	ug/l	100
6) Chloroethane	2.70	64	85426	21.26	ug/l	98
7) Trichlorofluoromethane	3.01	101	145155	15.95	ug/l	100
8) Diethyl Ether	3.41	74	75586	24.97	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	90030	16.36	ug/l	97
10) Methyl Iodide	3.95	142	73785	23.19	ug/l	99
11) Tert butyl alcohol	4.80	59	44690	140.22	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	92054	18.32	ug/l	97
13) Acrolein	3.61	56	12010	92.59	ug/l	100
14) Allyl chloride	4.33	41	160922	20.59	ug/l	99
15) Acrylonitrile	5.00	53	228656	130.63	ug/l	99
16) Acetone	3.82	43	202949	138.61	ug/l	100
17) Carbon Disulfide	4.05	76	274275	17.35	ug/l	99
18) Methyl Acetate	4.33	43	122768	29.54	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	328596	25.70	ug/l	100
20) Methylene Chloride	4.55	84	140609	24.70	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	113420	20.82	ug/l	97
22) Diisopropyl ether	5.96	45	403970	25.21	ug/l	93
23) Vinyl Acetate	5.90	43	1318904	125.82	ug/l	100
24) 1,1-Dichloroethane	5.85	63	233728	22.54	ug/l	99
25) 2-Butanone	6.84	43	313198	130.87	ug/l	98
26) 2,2-Dichloropropane	6.83	77	109927	15.84	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	139221	22.95	ug/l	97
28) Bromochloromethane	7.20	49	111109	23.55	ug/l	99
29) Tetrahydrofuran	7.22	42	169114	135.34	ug/l	99
30) Chloroform	7.37	83	239390	22.78	ug/l	97
31) Cyclohexane	7.66	56	138719	15.44	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	173756	19.65	ug/l	99
36) 1,1-Dichloropropene	7.80	75	140681	16.44	ug/l	99
37) Ethyl Acetate	6.93	43	118208	24.43	ug/l	98
38) Carbon Tetrachloride	7.78	117	140354	15.81	ug/l	98

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	115353	13.02	ug/l	95
40) Benzene	8.04	78	517037	19.86	ug/l	100
41) Methacrylonitrile	7.18	41	63875	24.42	ug/l	97
42) 1,2-Dichloroethane	8.13	62	177630	22.26	ug/l	100
43) Isopropyl Acetate	8.17	43	204227	23.16	ug/l	98
44) Trichloroethene	8.84	130	124907	17.91	ug/l	100
45) 1,2-Dichloropropane	9.12	63	143226	20.66	ug/l	98
46) Dibromomethane	9.21	93	87901	21.47	ug/l	99
47) Bromodichloromethane	9.40	83	180460	20.63	ug/l	100
48) Methyl methacrylate	9.20	41	95822	21.60	ug/l	99
49) 1,4-Dioxane	9.20	88	27086	463.42	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	724126	121.43	ug/l	99
52) Toluene	10.16	92	303312	19.51	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	161192	19.78	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	192441	20.58	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	126127	21.72	ug/l	97
56) Ethyl methacrylate	10.43	69	146875	20.97	ug/l	99
57) 1,3-Dichloropropane	10.71	76	209591	22.01	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	369984	110.32	ug/l	99
59) 2-Hexanone	10.75	43	455153	118.26	ug/l	100
60) Dibromochloromethane	10.90	129	137390	21.43	ug/l	100
61) 1,2-Dibromoethane	11.01	107	123183	22.27	ug/l	100
64) Tetrachloroethene	10.63	164	111098	17.32	ug/l	98
65) Chlorobenzene	11.44	112	328397	19.10	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	132015	20.48	ug/l	100
67) Ethyl Benzene	11.51	91	487628	17.57	ug/l	99
68) m/p-Xylenes	11.62	106	380914	35.88	ug/l	99
69) o-Xylene	11.95	106	190901	18.86	ug/l	99
70) Styrene	11.97	104	310984	17.89	ug/l	100
71) Bromoform	12.13	173	93768	21.94	ug/l #	99
73) Isopropylbenzene	12.25	105	450706	18.65	ug/l	100
74) N-amyl acetate	12.07	43	148232	23.58	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	158694	27.23	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	127559m	25.02	ug/l	
77) Bromobenzene	12.53	156	138124	21.06	ug/l	96
78) n-propylbenzene	12.59	91	490647	18.21	ug/l	98
79) 2-Chlorotoluene	12.68	91	336835	20.05	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	374333	19.35	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	30423	21.87	ug/l	97
82) 4-Chlorotoluene	12.77	91	328027	19.76	ug/l	100
83) tert-Butylbenzene	12.99	119	301499	17.95	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	387917	19.98	ug/l	99
85) sec-Butylbenzene	13.17	105	387422	17.65	ug/l	100
86) p-Isopropyltoluene	13.29	119	330998	17.80	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	215719	19.32	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	212229	19.15	ug/l	100
89) n-Butylbenzene	13.62	91	235810	15.70	ug/l	98
90) Hexachloroethane	13.88	117	64914	17.36	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	223707	20.53	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21314	24.72	ug/l	98

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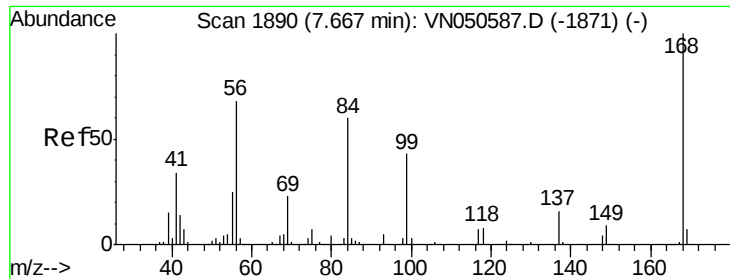
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	83161	16.75	ug/l	97
94) Hexachlorobutadiene	15.01	225	51762	15.50	ug/l	98
95) Naphthalene	15.13	128	182481	18.02	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	88747	18.27	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD03

Tot Ion:168 Resp: 463057

Ion Ratio Lower Upper

168 100

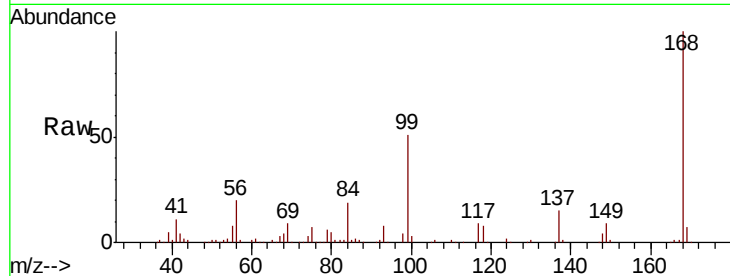
99 50.2 40.8 61.2

Manual Integrations

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8/20/2018 10:53:33 AM



Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

200000

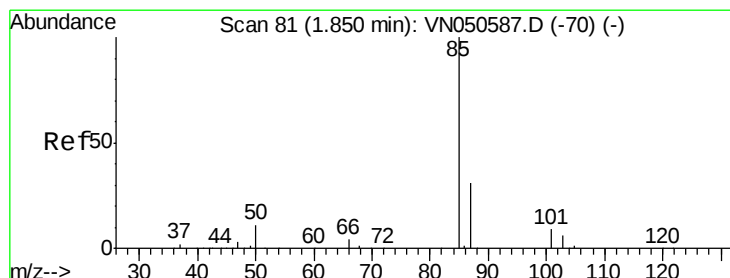
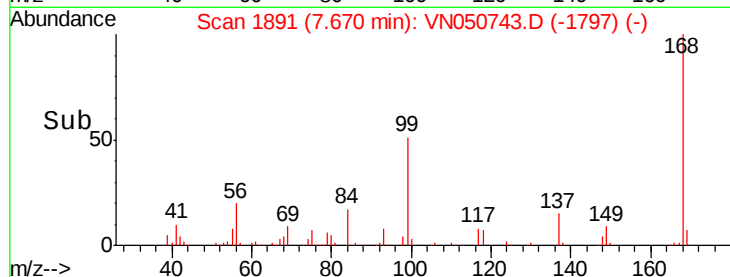
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 14.11 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050743.D

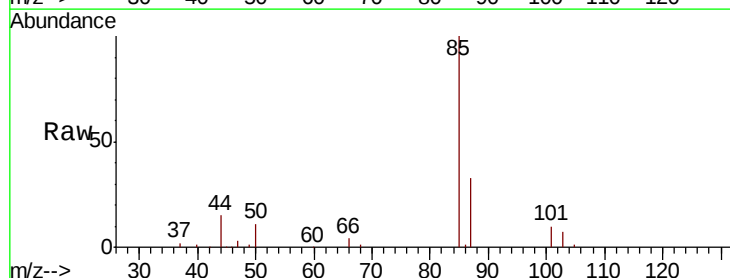
Acq: 18 Aug 2018 1:41

Tgt Ion: 85 Resp: 73684

Ion Ratio Lower Upper

85 100

87 33.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN050587.D (-70) (-)

Ion 86.90 (86.60 to 87.60): VN050587.D (-70) (-)

1.85

60000

50000

40000

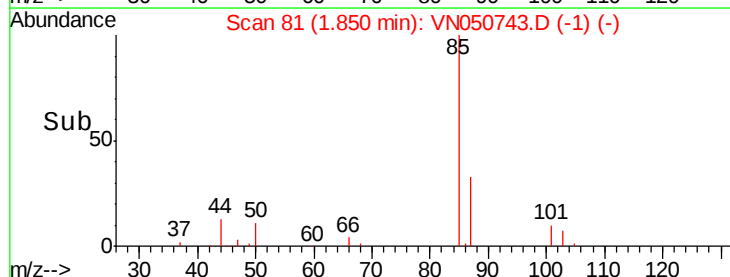
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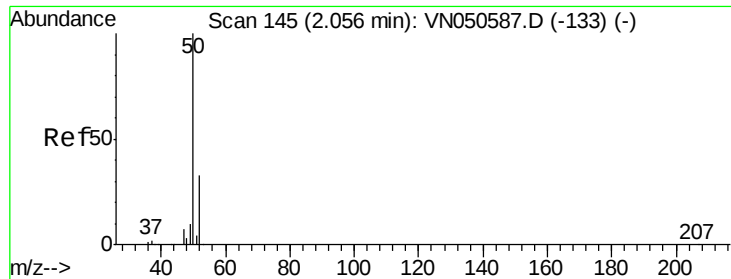
20000

10000

0

Time-->





#3

Chloromethane

Concen: 21.78 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD03

Tot Ion: 50 Resp: 140334

Ion Ratio Lower Upper

50 100

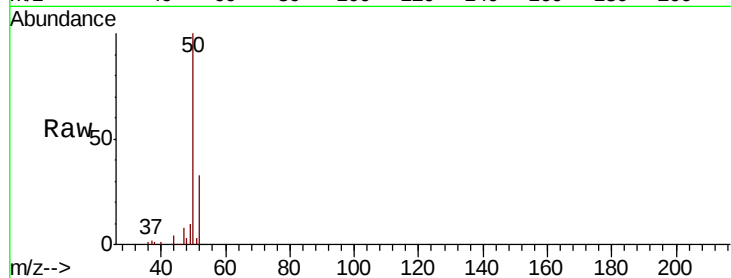
52 32.8 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VN050743.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN050743.D (-52) (-)

2.06

120000

100000

80000

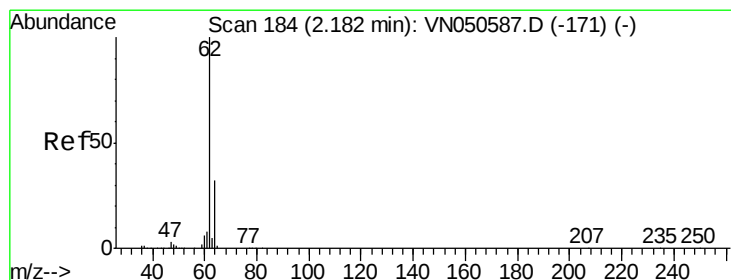
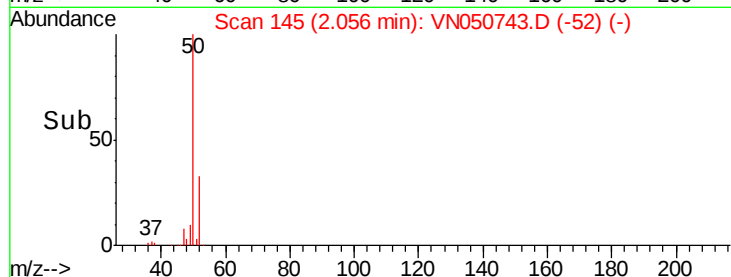
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 17.84 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050743.D

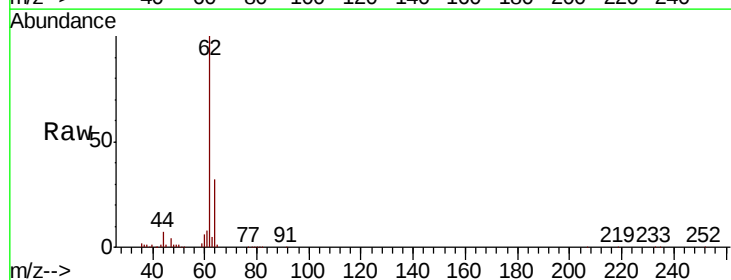
Acq: 18 Aug 2018 1:41

Tgt Ion: 62 Resp: 123706

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN050743.D (-91) (-)

Ion 63.90 (63.60 to 64.60): VN050743.D (-91) (-)

2.18

100000

80000

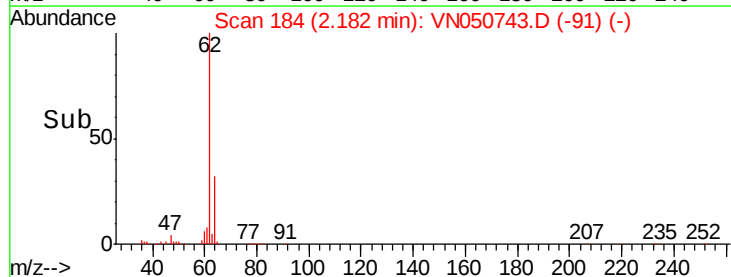
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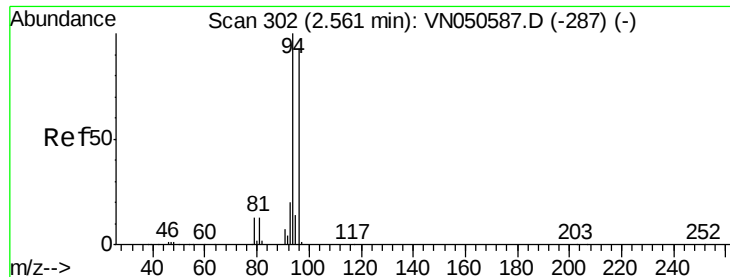
40000

20000

0

Time-->





#5

Bromomethane

Concen: 21.42 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD03

Tot Ion: 94 Resp: 84302

Ion Ratio Lower Upper

94 100

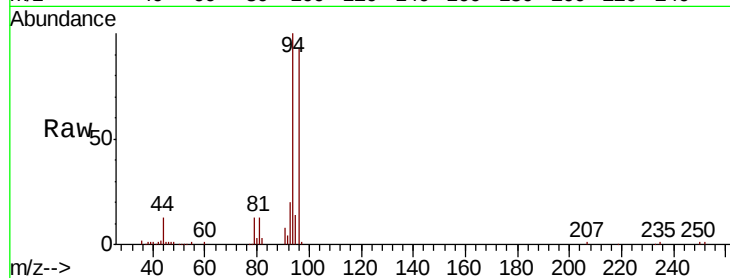
96 92.8 74.0 111.0

Manual Integrations

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8/20/2018 10:53:33 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

40000

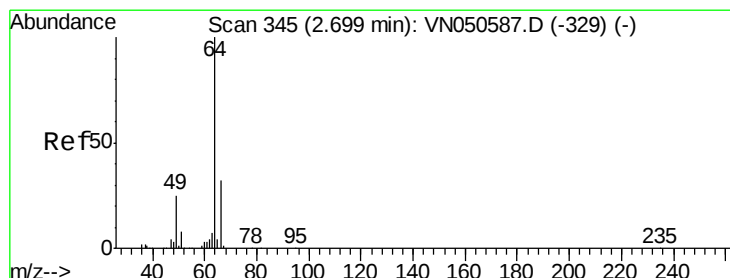
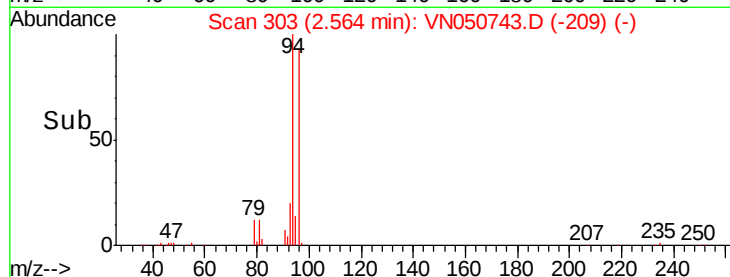
30000

20000

10000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 21.26 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050743.D

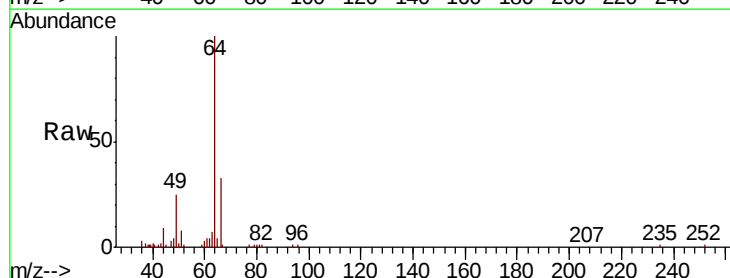
Acq: 18 Aug 2018 1:41

Tgt Ion: 64 Resp: 85426

Ion Ratio Lower Upper

64 100

66 33.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

40000

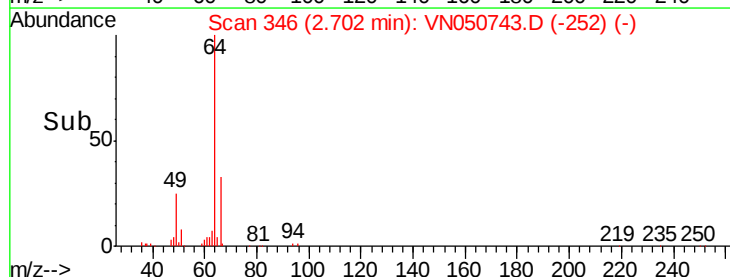
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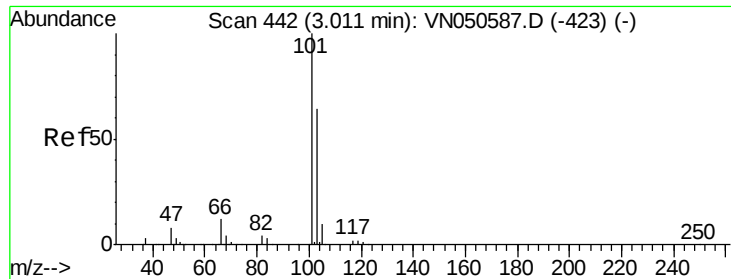
20000

10000

0

Time--> 2.60 2.70 2.80





#7

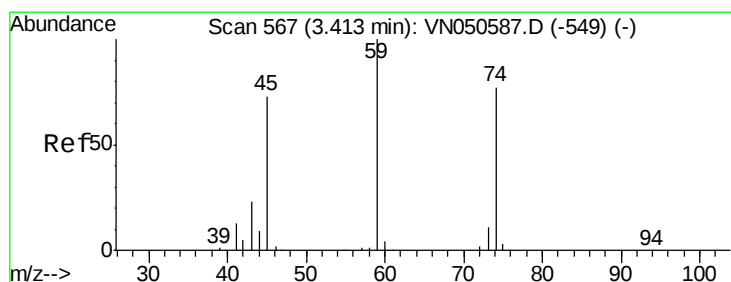
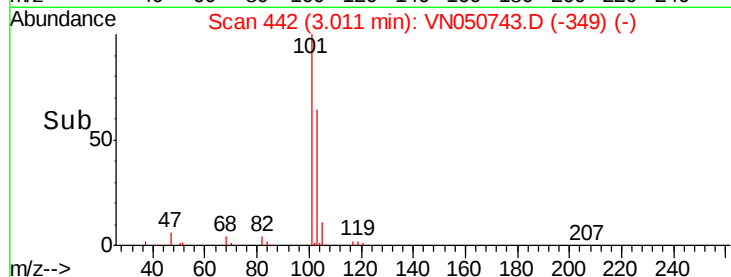
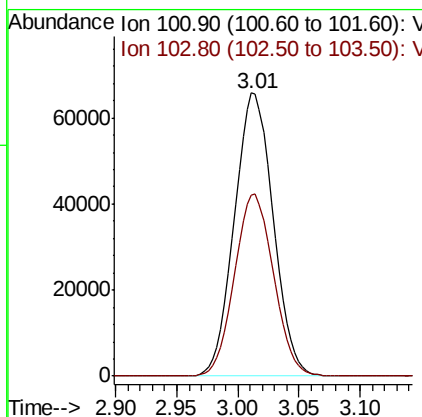
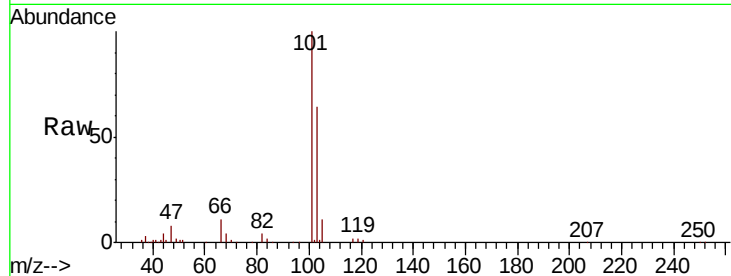
Trichlorofluoromethane
 Concen: 15.95 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050743.D
 Acq: 18 Aug 2018 1:41

Instrument :
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 VN0817WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
101	100	145155		
103	64.1	51.4	77.0	

Manual Integrations
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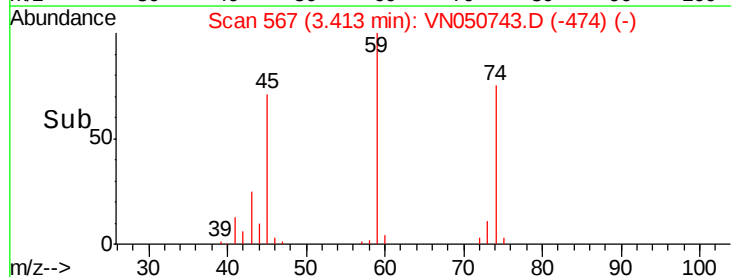
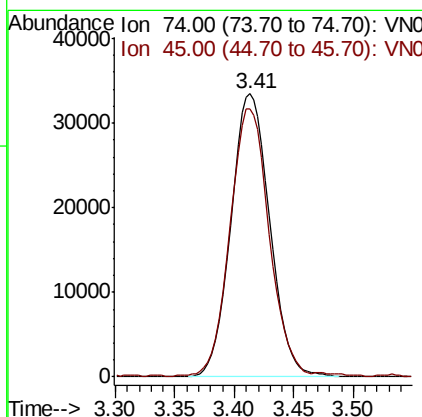
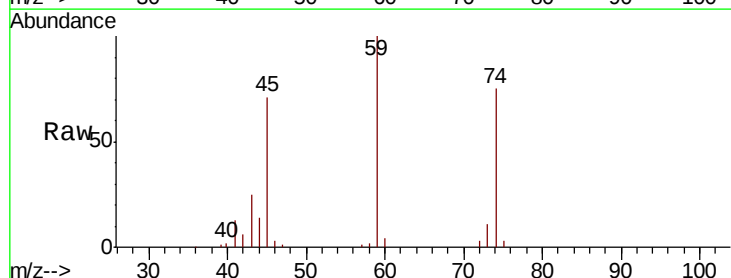
MMDadoda
 8/20/2018 10:53:33 AM

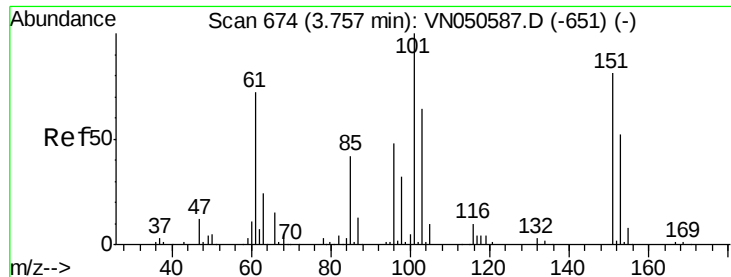


#8

Diethyl Ether
 Concen: 24.97 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050743.D
 Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	75586		
45	96.0	48.0	144.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.36 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

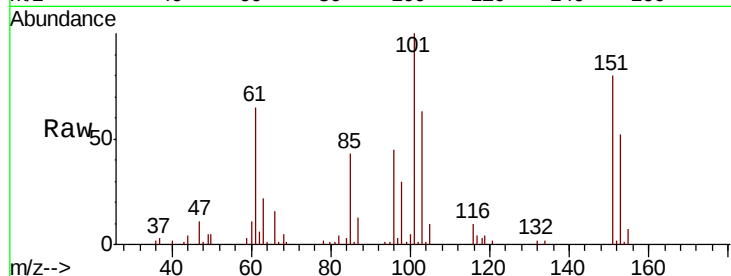
ClientSampleId :

VN0817WBSD03

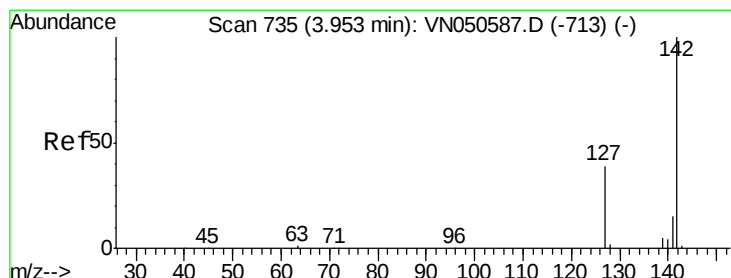
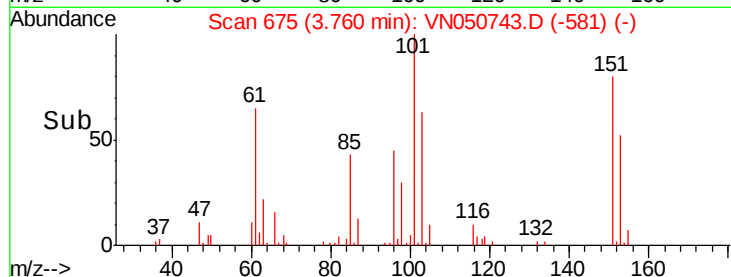
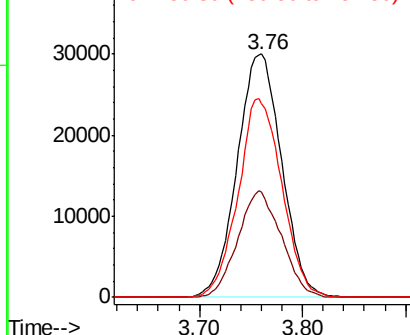
Tot Ion:	101	Resp:	90030
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.4	50.0
151	80.4	66.6	100.0

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.19 ug/l

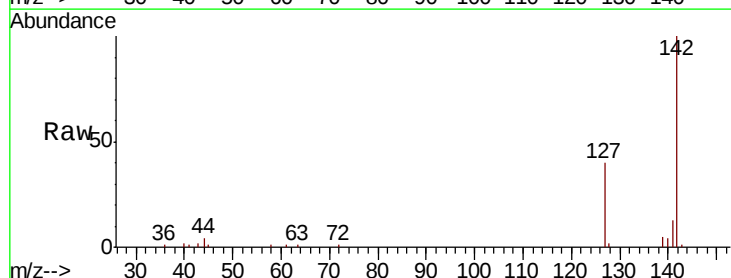
RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

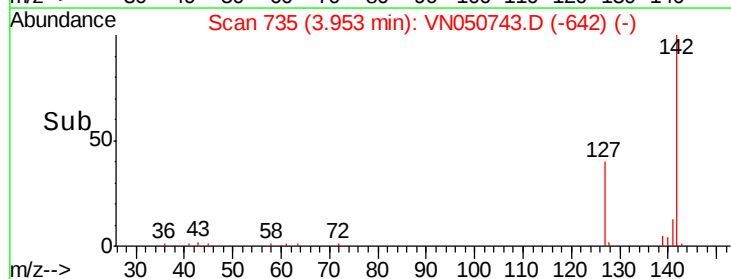
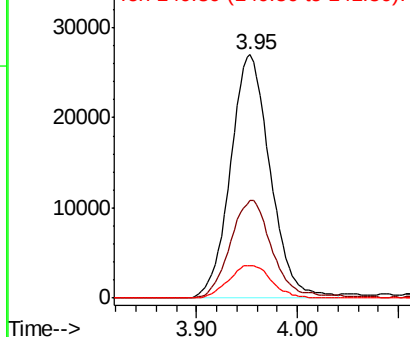
Lab File: VN050743.D

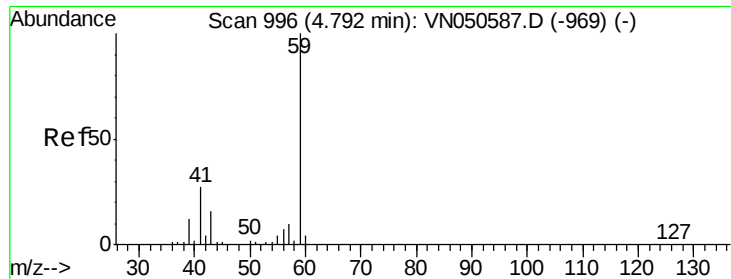
Acq: 18 Aug 2018 1:41

Tgt Ion:	142	Resp:	73785
Ion Ratio	Lower	Upper	
142	100		
127	41.9	32.6	49.0
141	14.3	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





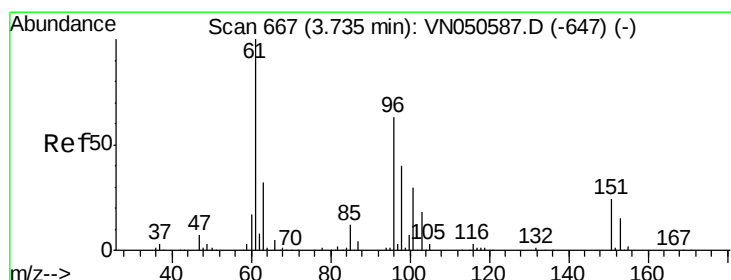
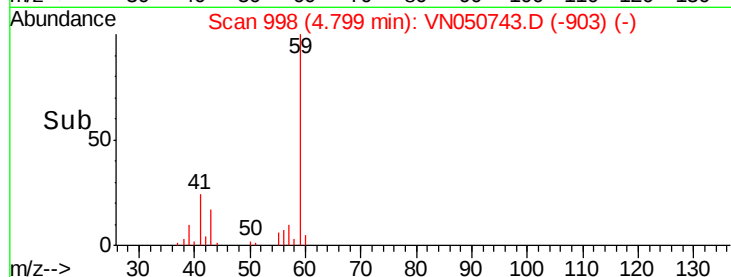
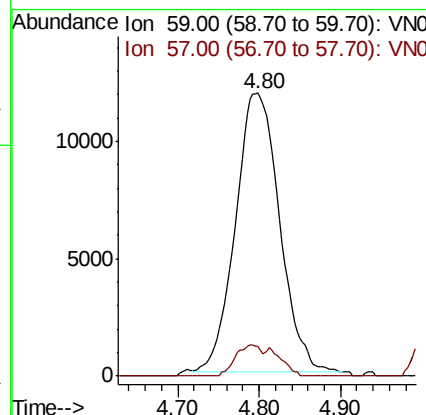
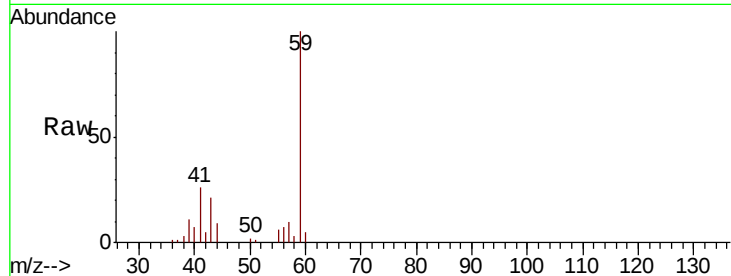
#11
Tert butyl alcohol
Concen: 140.22 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.01 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.6	8.4	12.6#

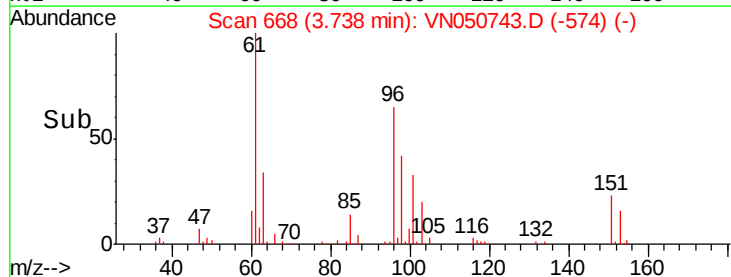
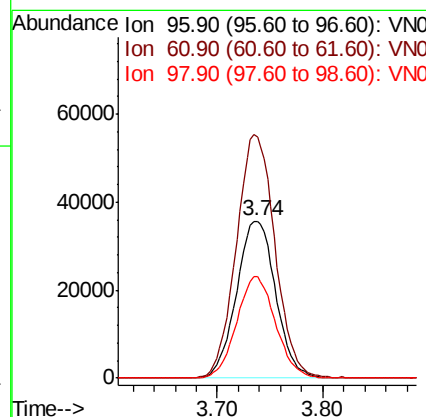
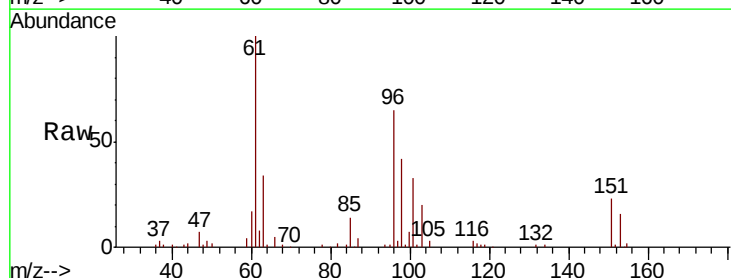
Manual Integrations
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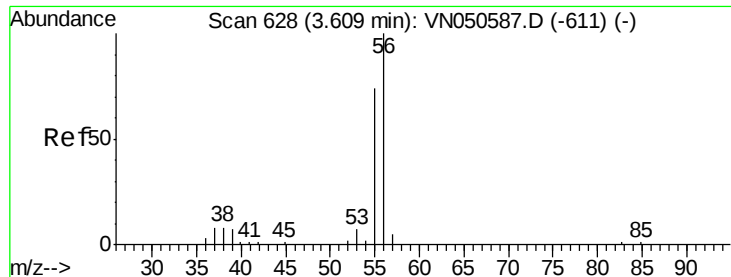
MMDadoda
8/20/2018 10:53:33 AM



#12
1,1-Dichloroethene
Concen: 18.32 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.5	126.9	190.3
98	64.8	51.1	76.7





#13

Acrolein

Concen: 92.59 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD03

Tot Ion: 56 Resp: 12010

Ion Ratio Lower Upper

56 100

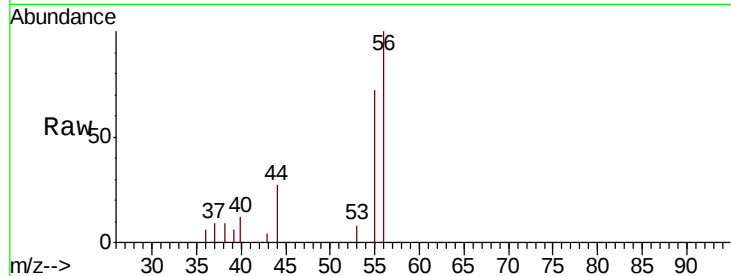
55 70.4 56.3 84.5

Manual Integrations

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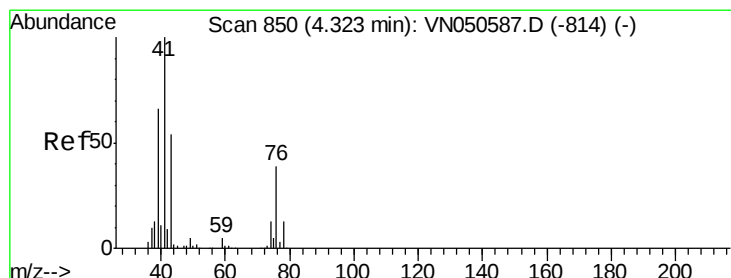
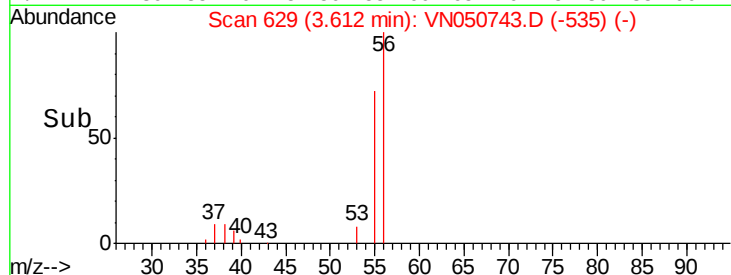
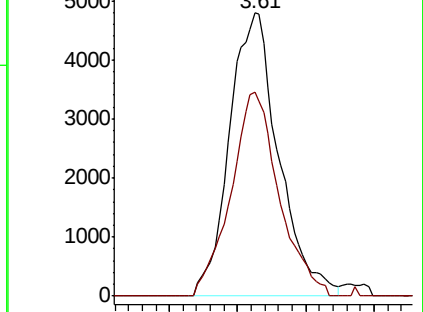
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN050743.D (-535) (-)

Ion 55.00 (54.70 to 55.70): VN050743.D (-535) (-)



#14

Allyl chloride

Concen: 20.59 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

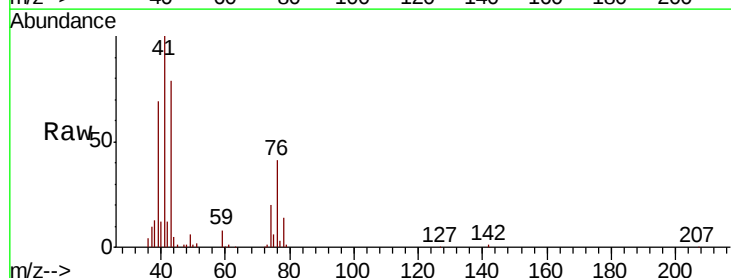
Tgt Ion: 41 Resp: 160922

Ion Ratio Lower Upper

41 100

39 65.0 51.4 77.0

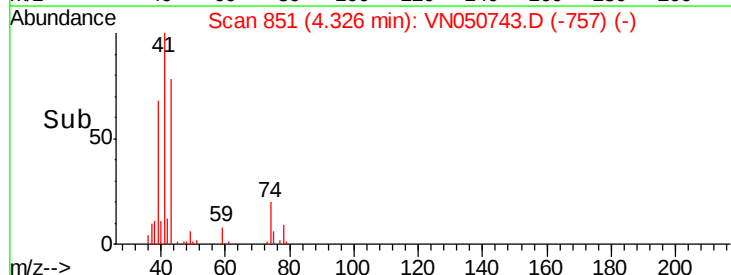
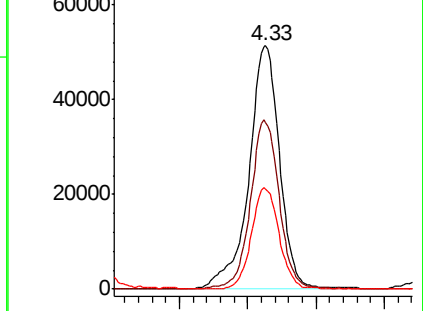
76 37.6 29.4 44.0

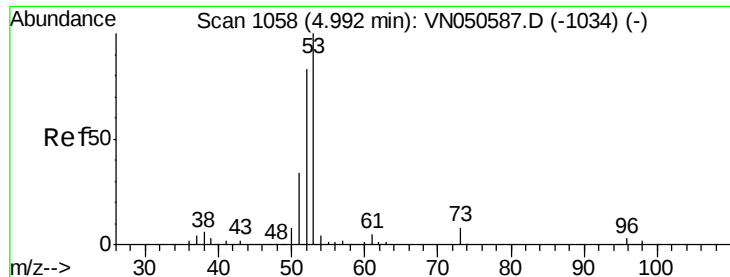


Abundance Ion 41.00 (40.70 to 41.70): VN050743.D (-757) (-)

Ion 39.00 (38.70 to 39.70): VN050743.D (-757) (-)

Ion 75.90 (75.60 to 76.60): VN050743.D (-757) (-)





#15

Acrylonitrile

Concen: 130.63 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

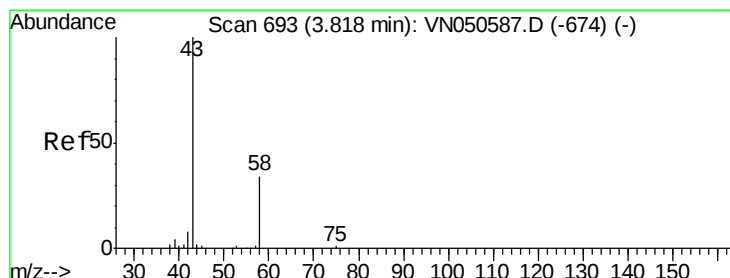
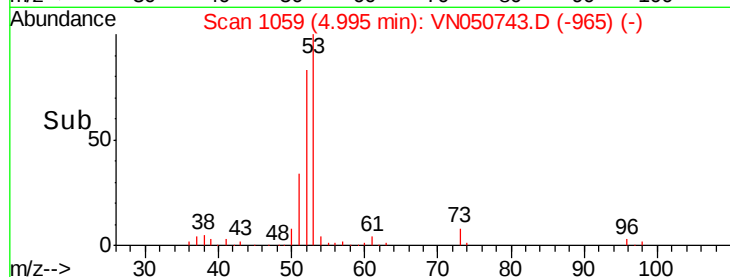
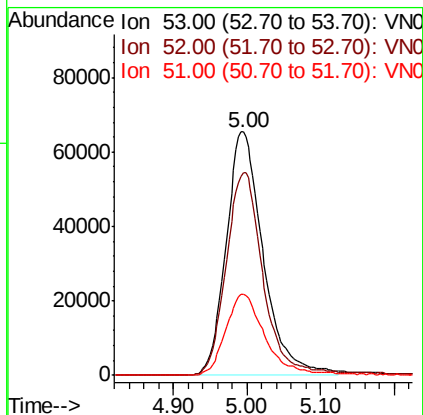
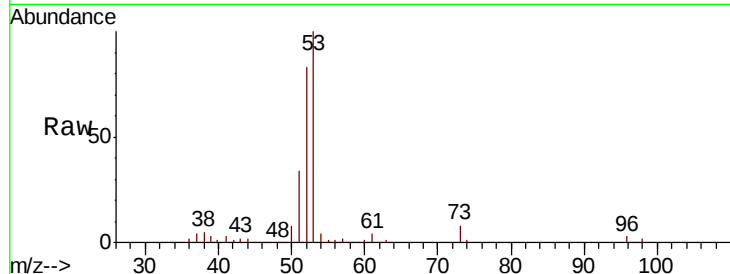
ClientSampleId :

VN0817WBSD03

Tot Ion:	53	Resp:	228656
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.2	99.2
51	35.1	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 138.61 ug/l

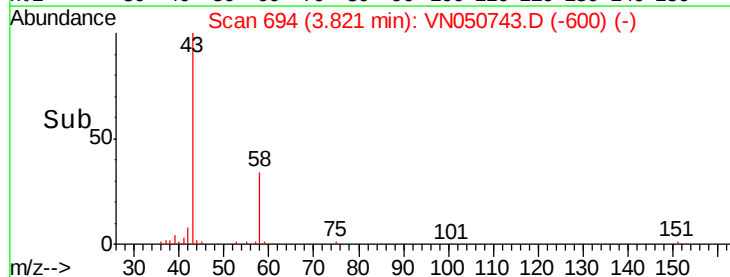
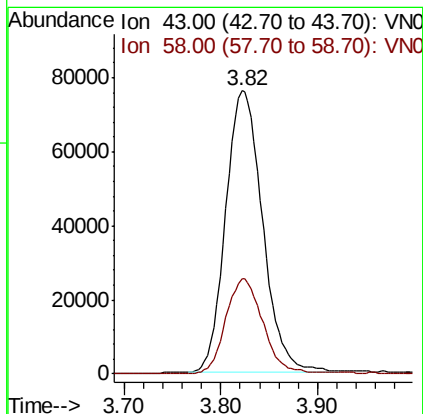
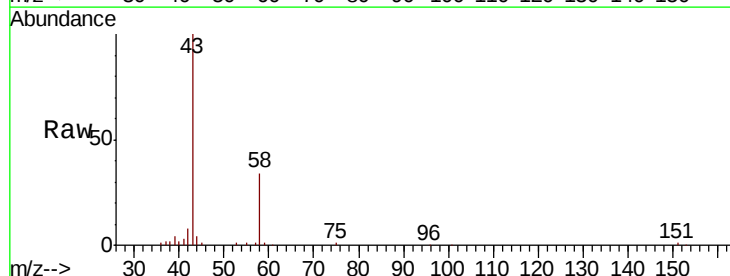
RT: 3.82 min Scan# 694

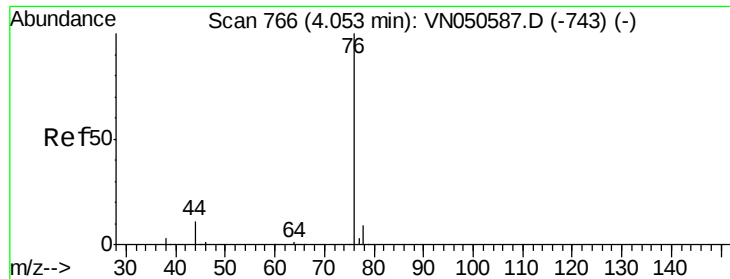
Delta R.T. 0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Tgt Ion:	43	Resp:	202949
Ion Ratio	Lower	Upper	
43	100		
58	34.0	27.1	40.7





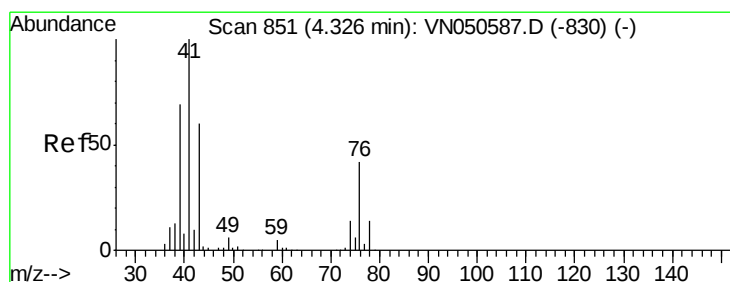
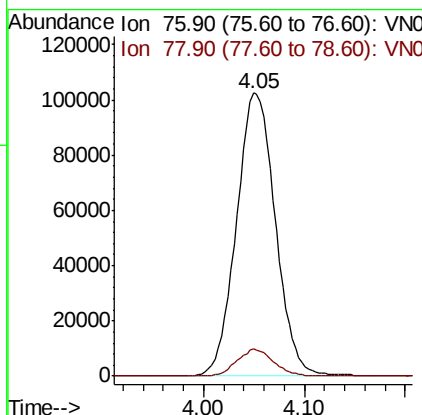
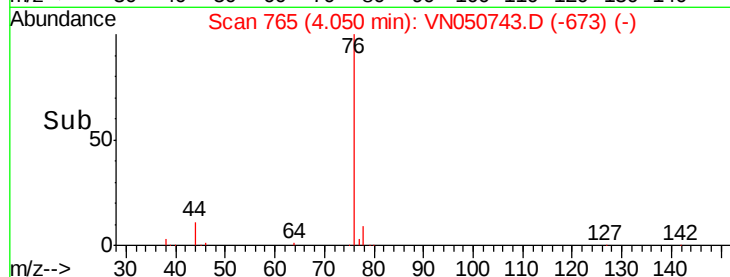
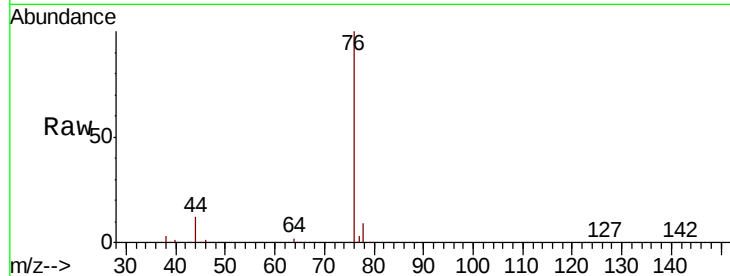
#17
Carbon Disulfide
Concen: 17.35 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

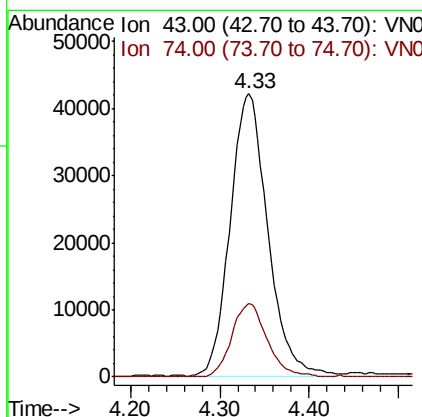
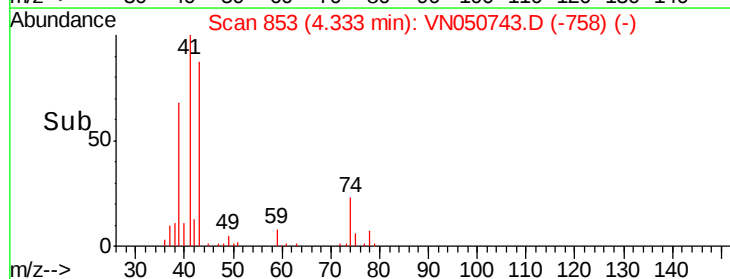
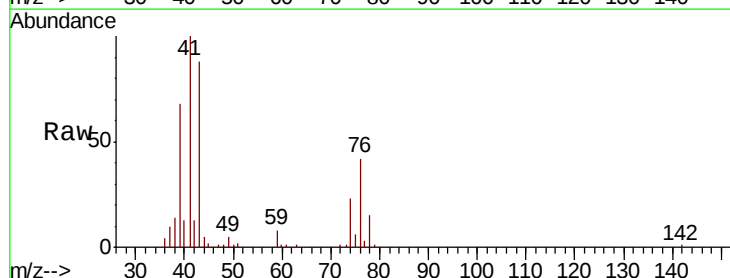
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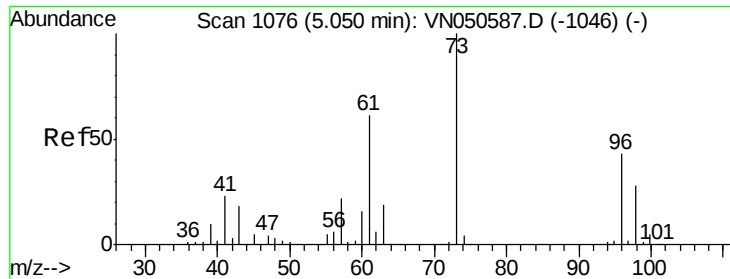
MMDadoda
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#18
Methyl Acetate
Concen: 29.54 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.7	29.5





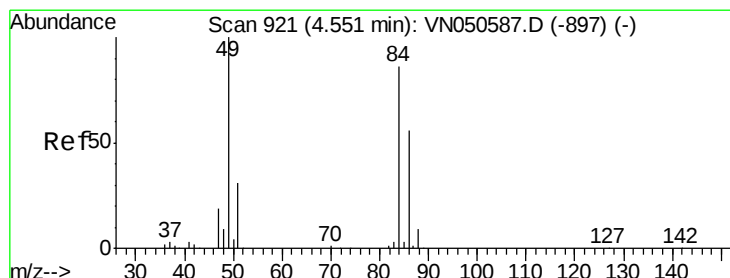
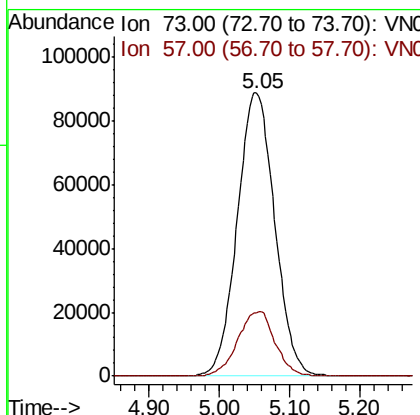
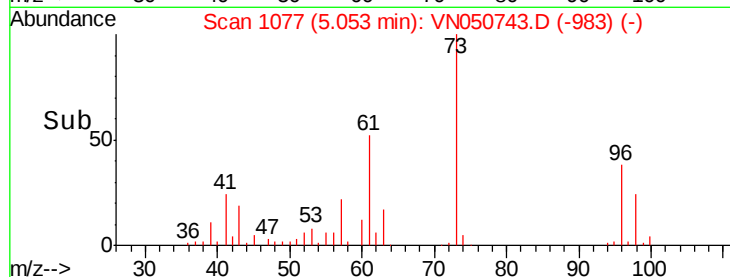
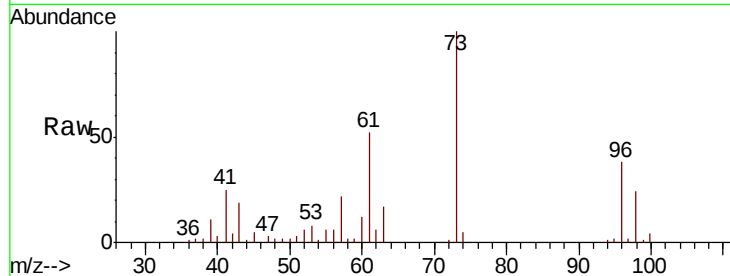
#19
Methyl tert-butyl Ether
Concen: 25.70 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.9	26.9

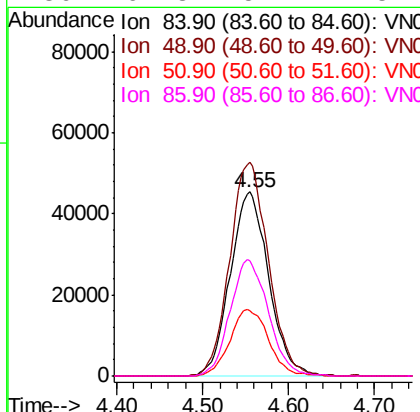
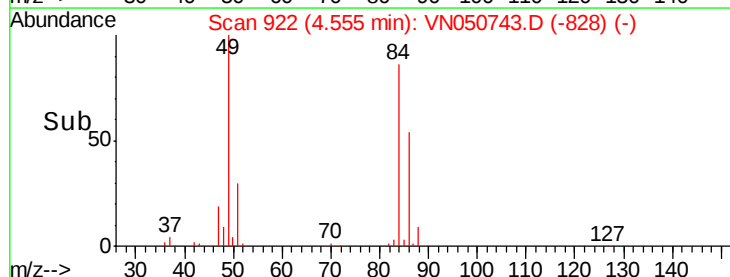
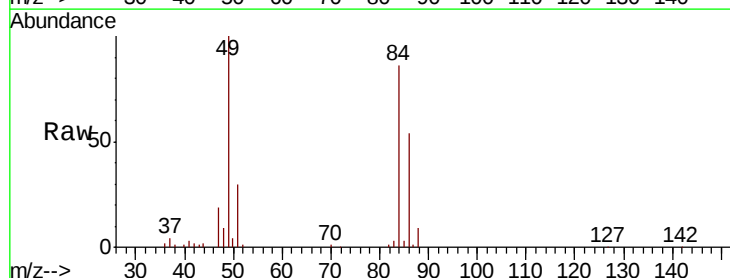
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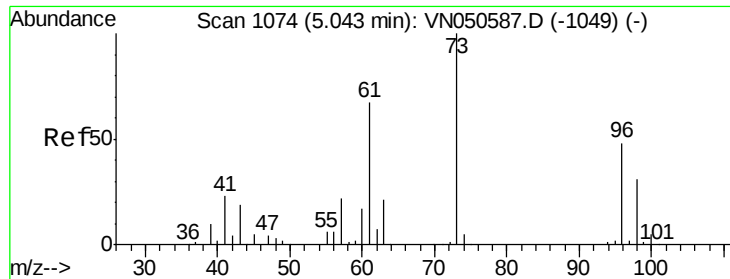
MMDadoda
8/20/2018 10:53:33 AM



#20
Methylene Chloride
Concen: 24.70 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.0	92.6	138.8
51	35.1	28.6	43.0
86	62.3	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 20.82 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD03

Tot Ion: 96 Resp: 113420

Ion Ratio Lower Upper

96 100

61 134.5 111.2 166.8

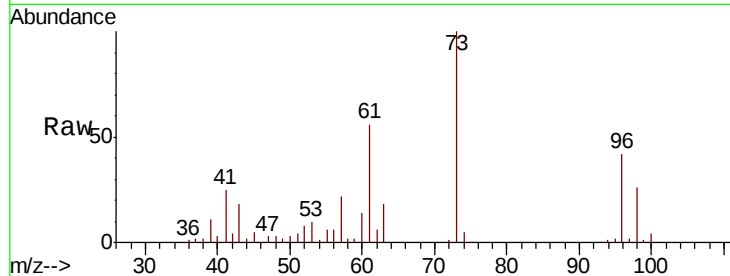
98 63.2 51.6 77.4

Manual Integrations

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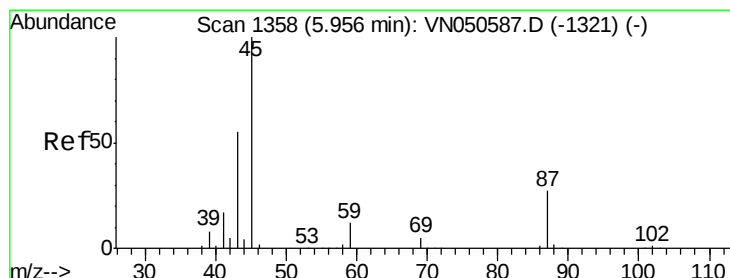
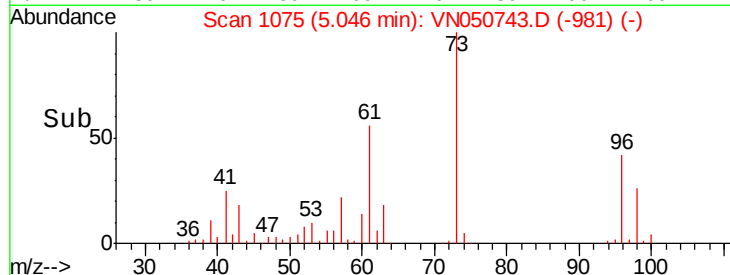
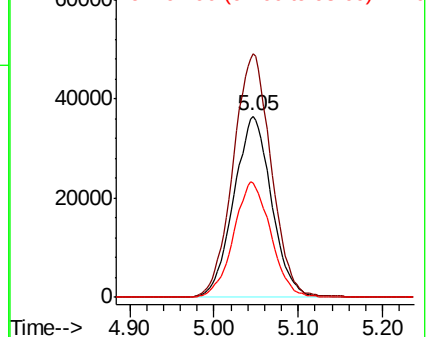


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 25.21 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Tgt Ion: 45 Resp: 403970

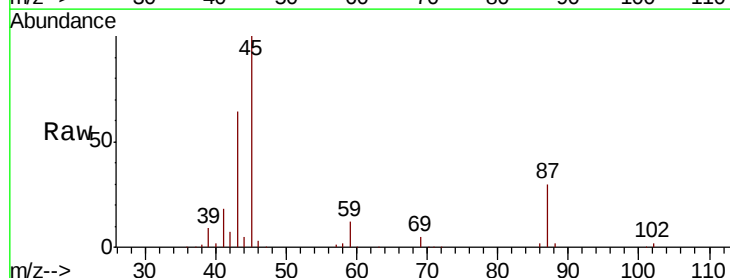
Ion Ratio Lower Upper

45 100

43 62.4 44.5 66.7

87 29.6 22.2 33.2

59 12.0 9.5 14.3



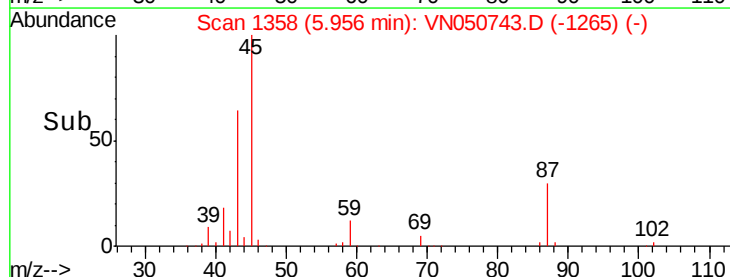
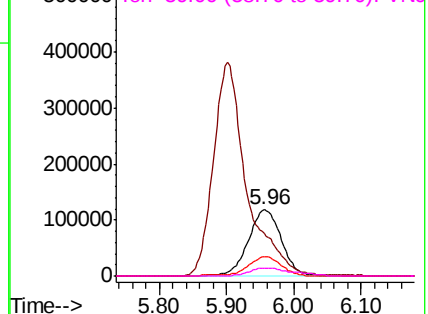
Abundance

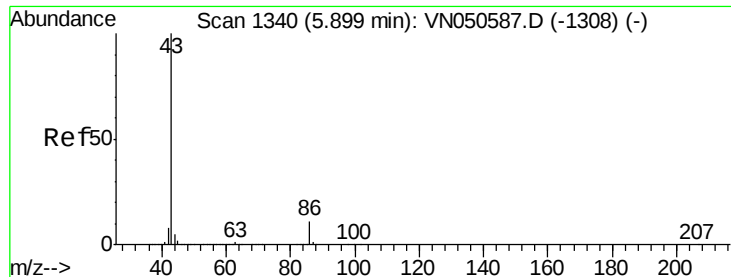
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





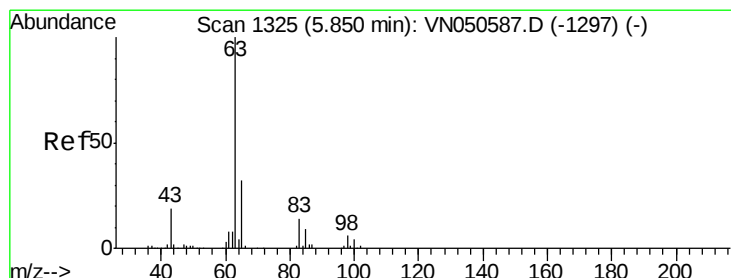
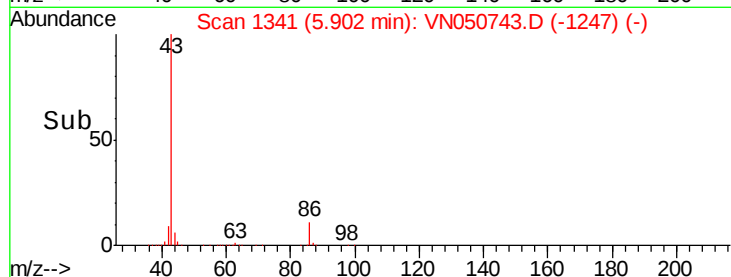
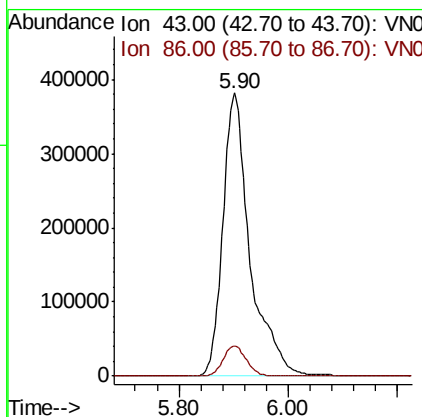
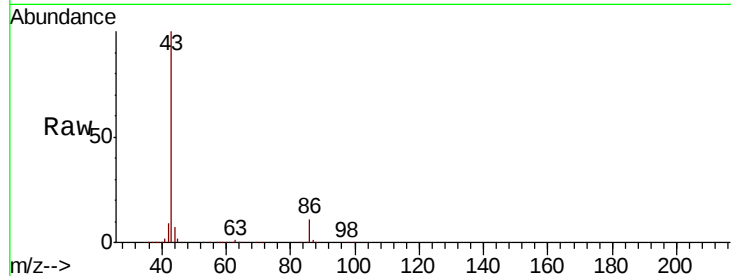
#23
 Vinyl Acetate
 Concen: 125.82 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050743.D
 Acq: 18 Aug 2018 1:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD03

Tot Ion: 43 Resp: 1318904
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6

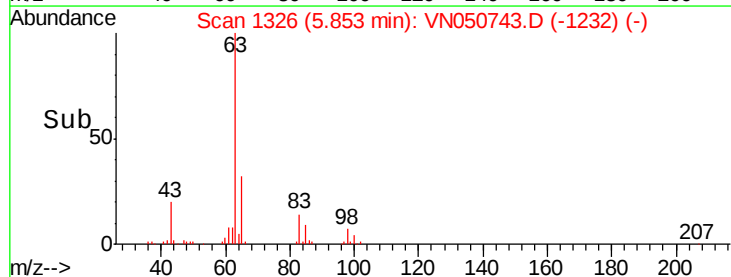
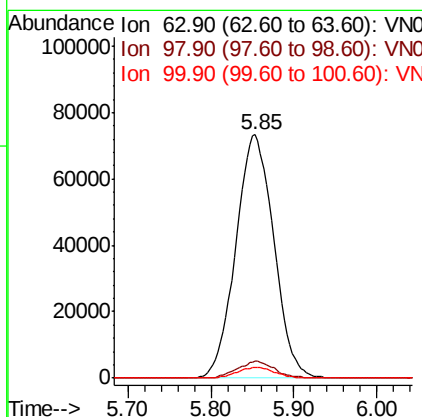
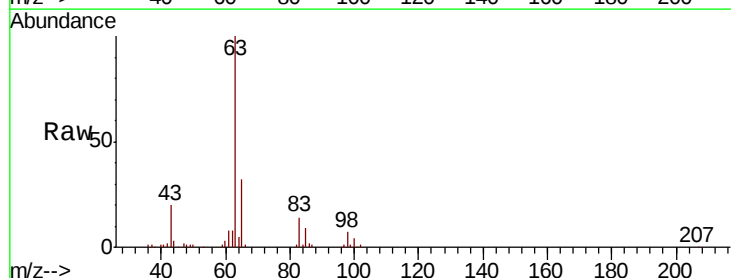
Manual Integrations
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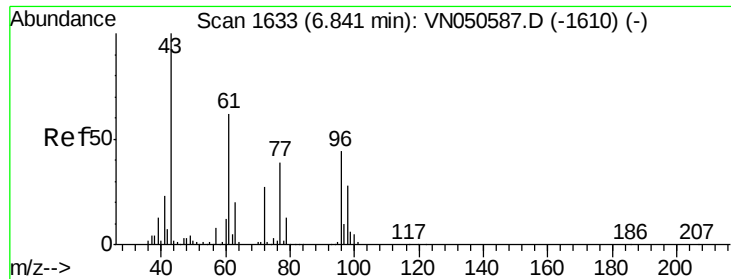
MMDadoda
 8/20/2018 10:53:33 AM



#24
 1,1-Dichloroethane
 Concen: 22.54 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050743.D
 Acq: 18 Aug 2018 1:41

Tgt Ion: 63 Resp: 233728
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.2 9.6
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 130.87 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD03

Tot Ion: 43 Resp: 313198

Ion Ratio Lower Upper

43 100

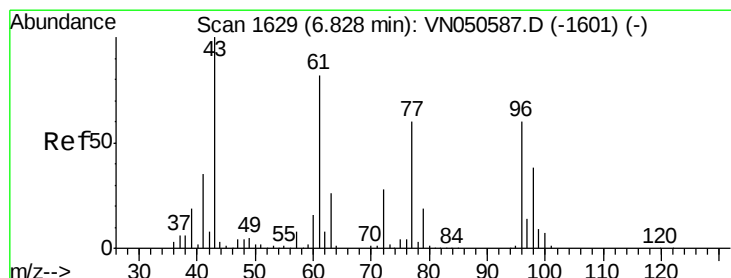
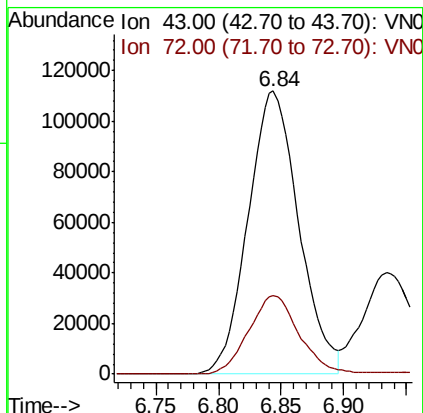
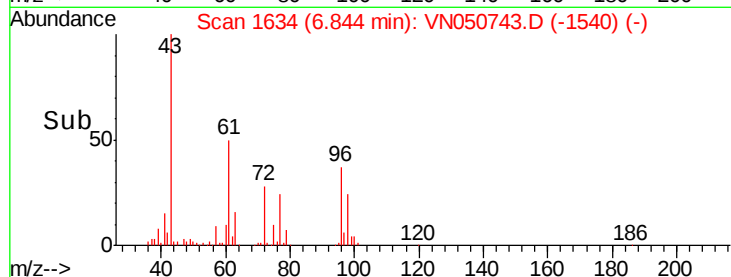
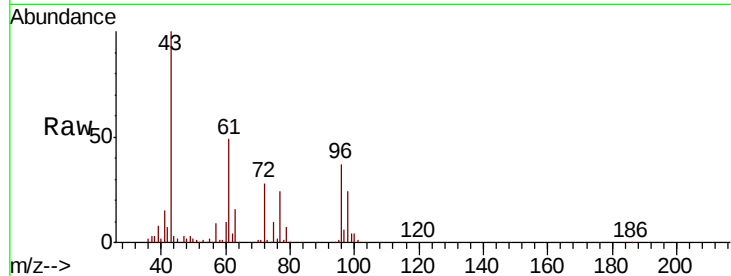
72 28.0 21.8 32.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 15.84 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050743.D

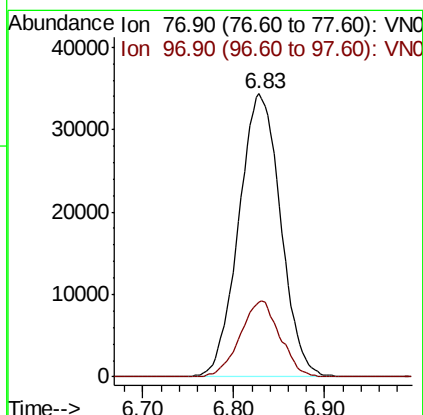
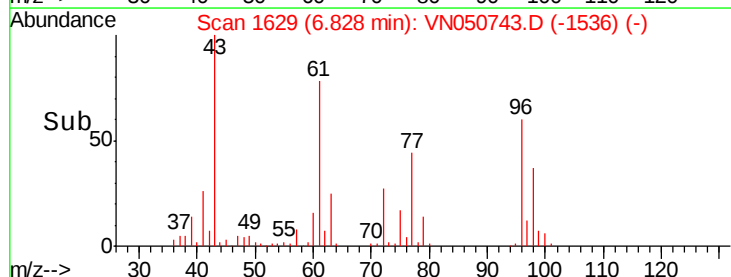
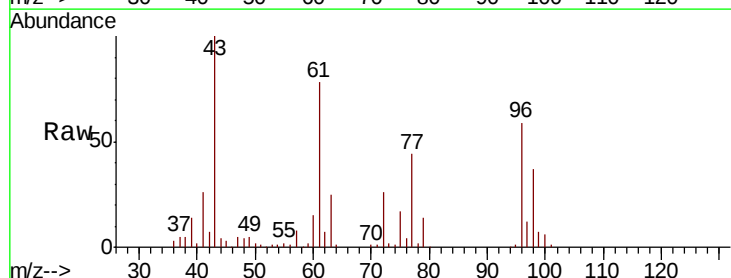
Acq: 18 Aug 2018 1:41

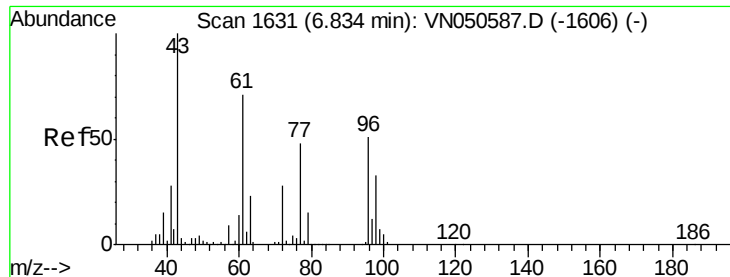
Tgt Ion: 77 Resp: 109927

Ion Ratio Lower Upper

77 100

97 25.4 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 22.95 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

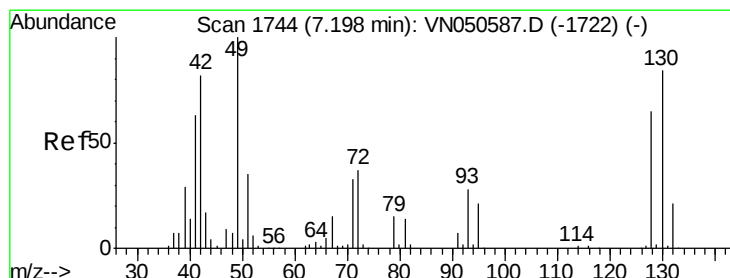
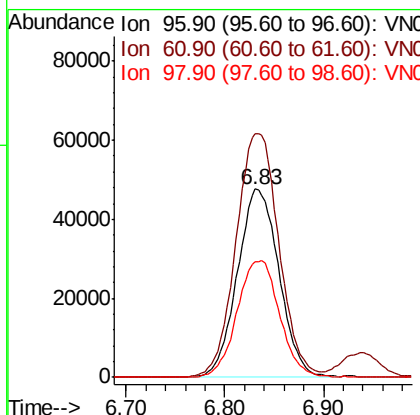
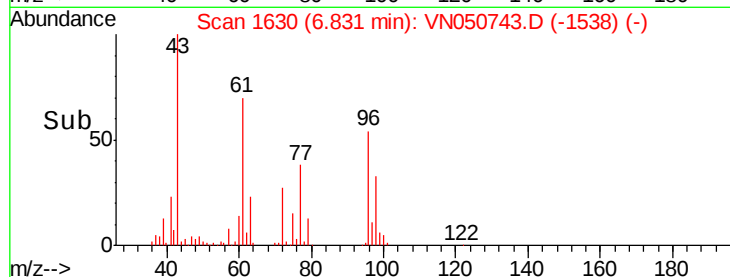
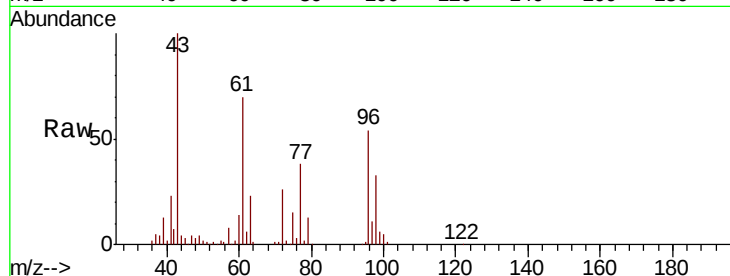
ClientSampleId :

VN0817WBSD03

Tot Ion:	96	Resp:	139221
Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	278.2
98	63.2	0.0	128.8

Manual Integrations
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#28

Bromochloromethane

Concen: 23.55 ug/l

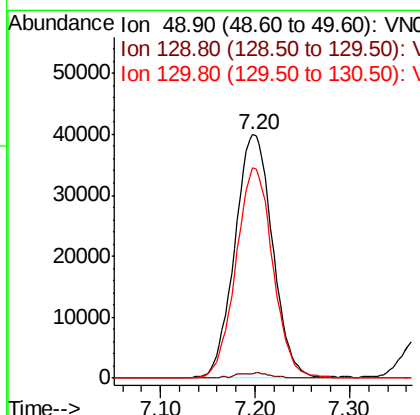
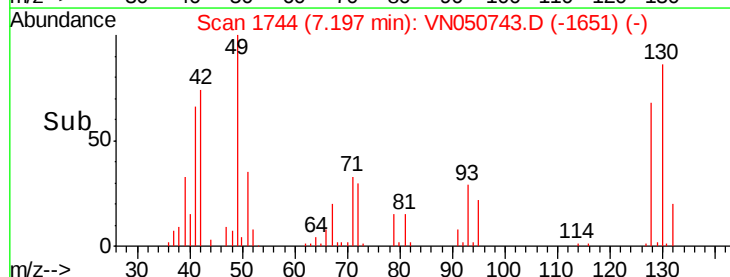
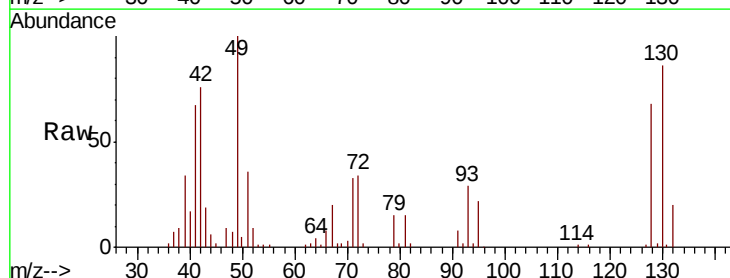
RT: 7.20 min Scan# 1744

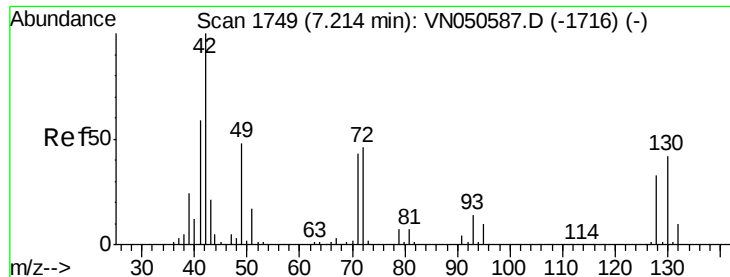
Delta R.T. -0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Tgt Ion:	49	Resp:	111109
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	84.1	66.8	100.2





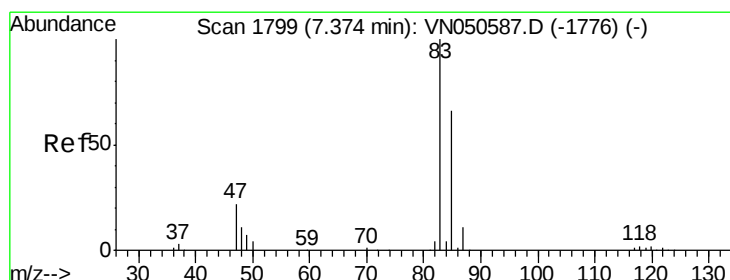
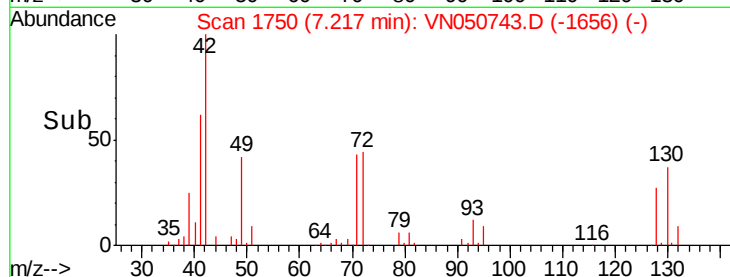
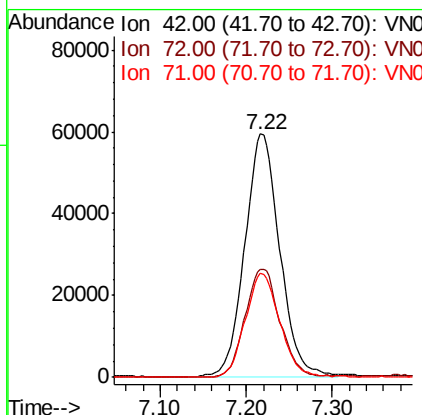
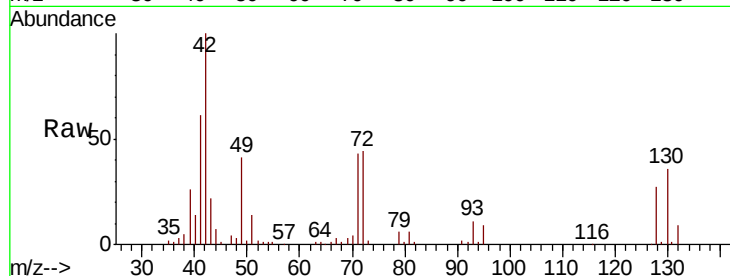
#29
Tetrahydrofuran
Concen: 135.34 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.8	53.6
71	42.0	33.4	50.0

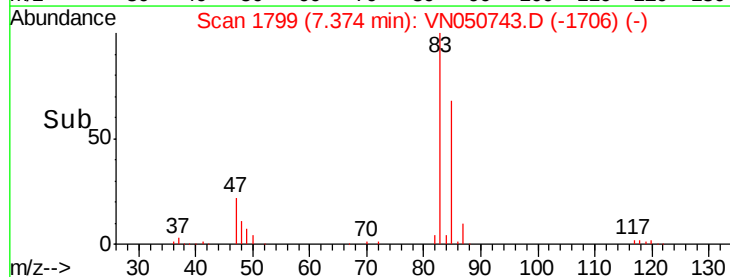
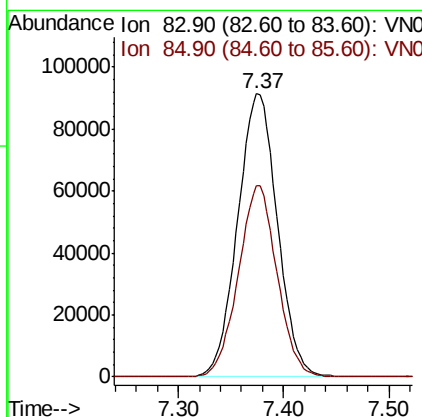
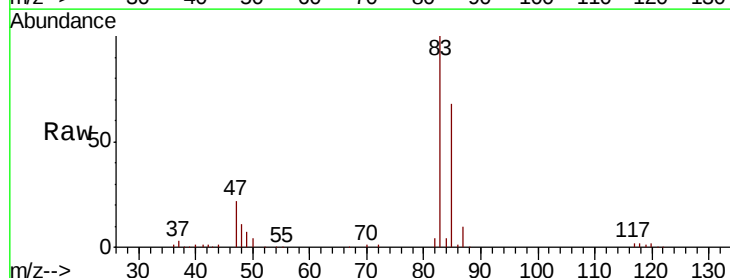
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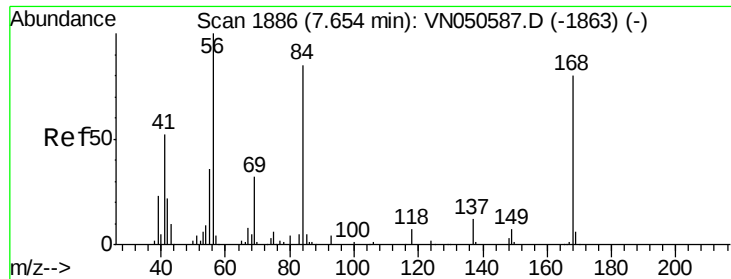
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#30
Chloroform
Concen: 22.78 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	52.5	78.7





#31

Cyclohexane

Concen: 15.44 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD03

Tot Ion: 56 Resp: 138719

Ion Ratio Lower Upper

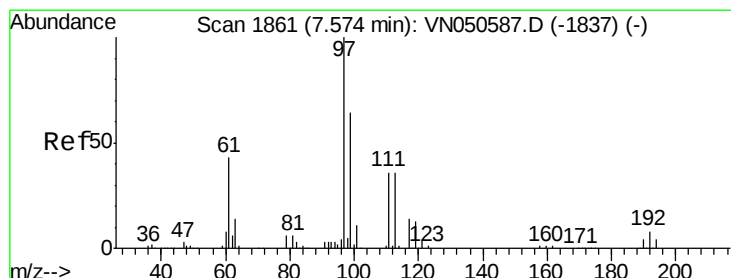
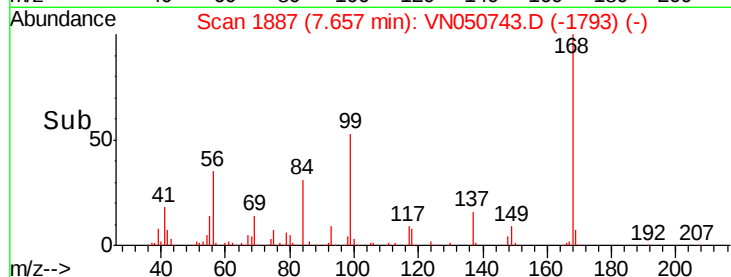
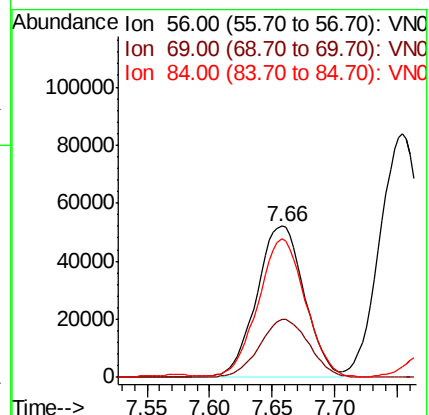
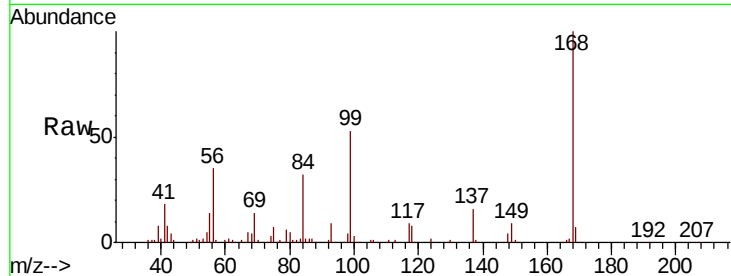
56 100

69 38.4 25.8 38.6

84 90.3 67.8 101.6

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#32

1,1,1-Trichloroethane

Concen: 19.65 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

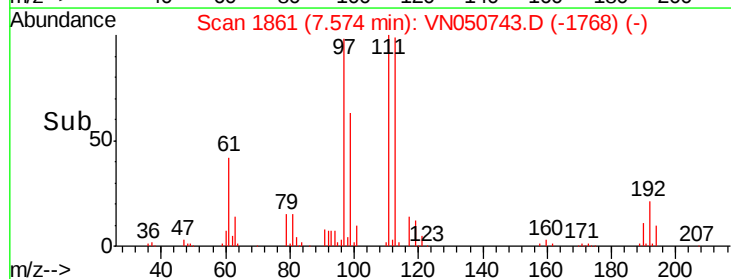
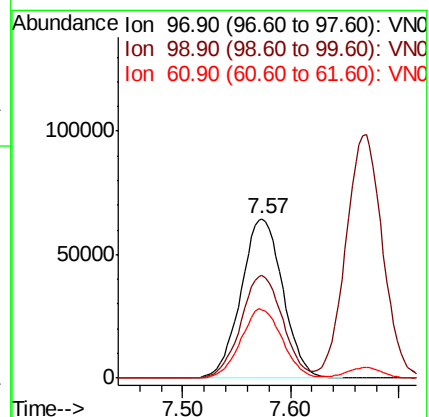
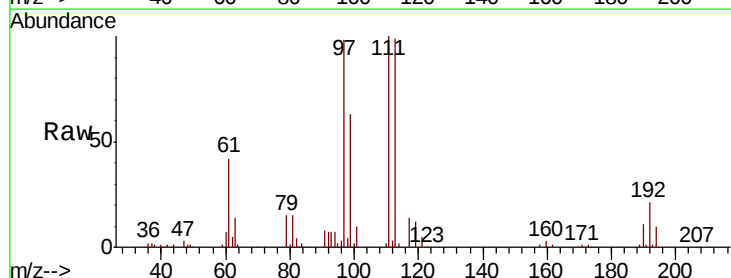
Tgt Ion: 97 Resp: 173756

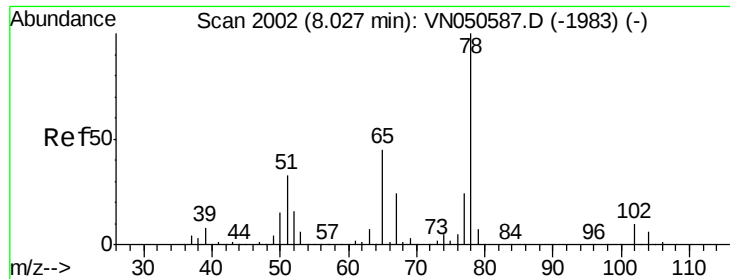
Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

61 43.2 34.8 52.2





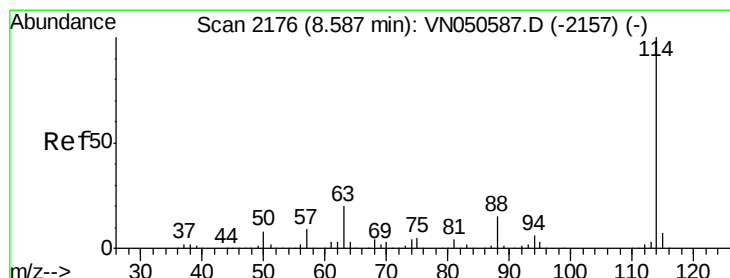
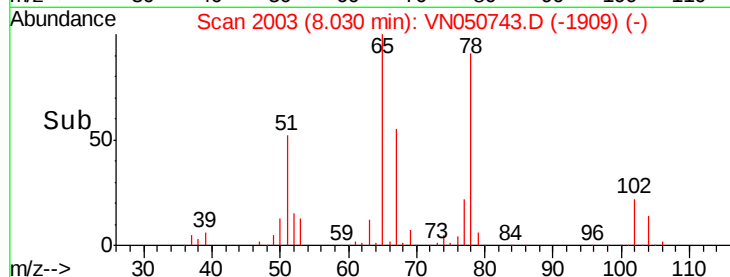
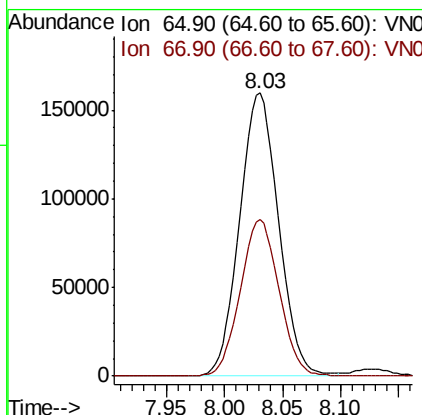
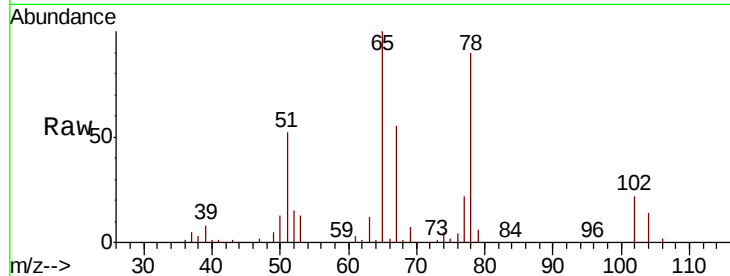
#33
 1,2-Dichloroethane-d4
 Concen: 64.07 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050743.D
 Acq: 18 Aug 2018 1:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	373995		
67	54.8	0.0	109.8	

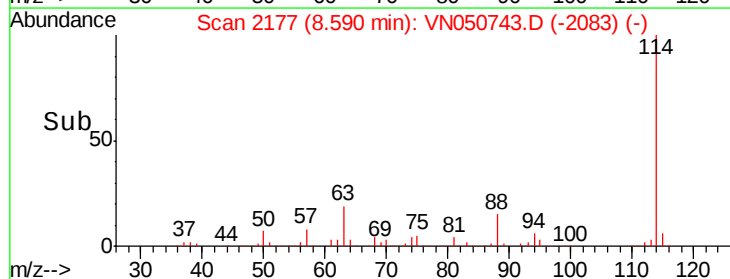
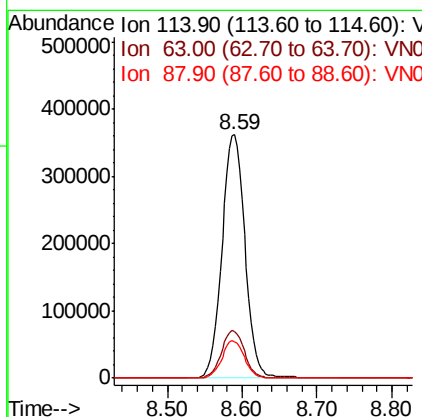
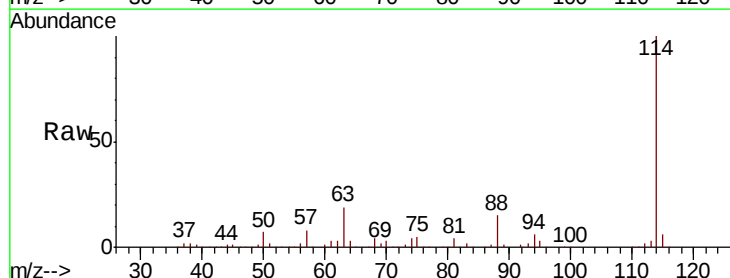
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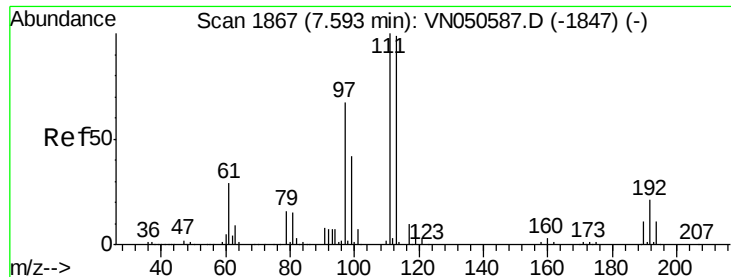
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 8/20/2018 10:53:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050743.D
 Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	768903		
63	19.1	0.0	40.0	
88	15.1	0.0	30.8	





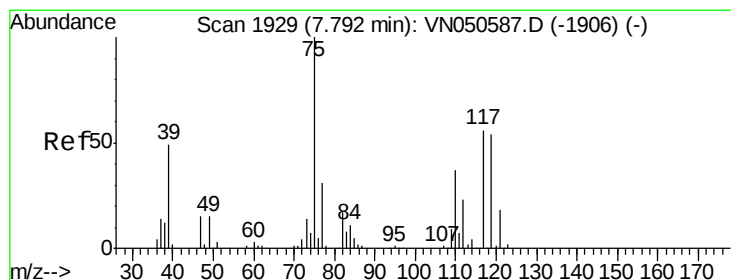
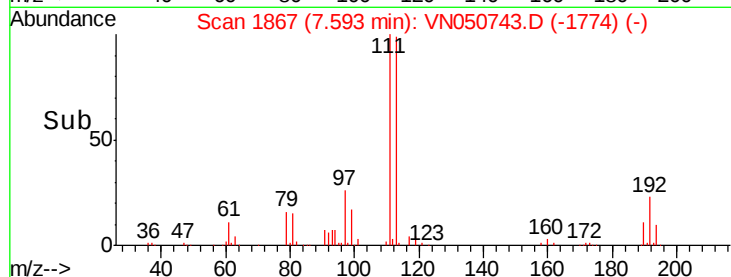
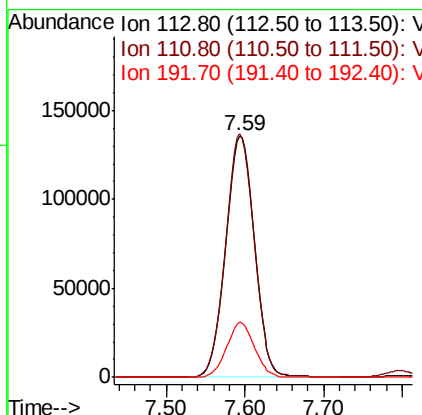
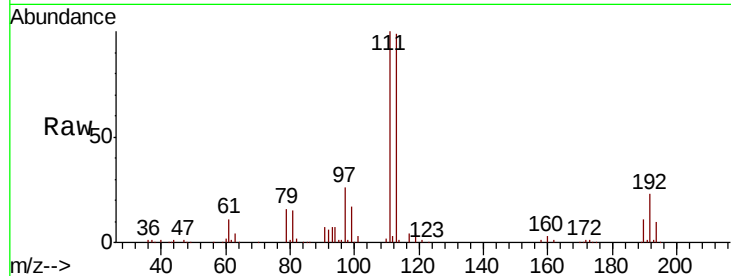
#35
 Dibromofluoromethane
 Concen: 55.81 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050743.D
 Acq: 18 Aug 2018 1:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	100.3	81.0	121.6	
192	22.1	17.6	26.4	

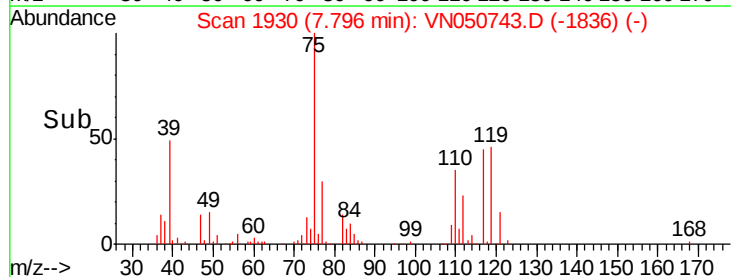
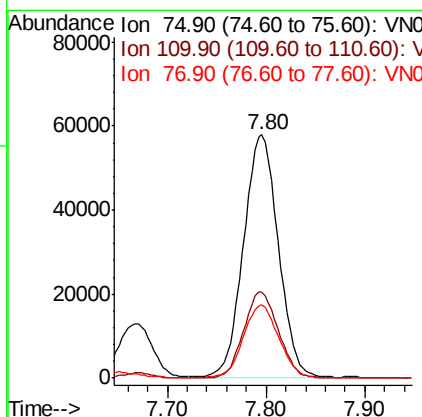
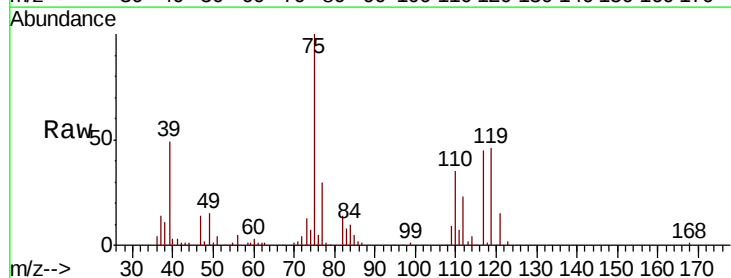
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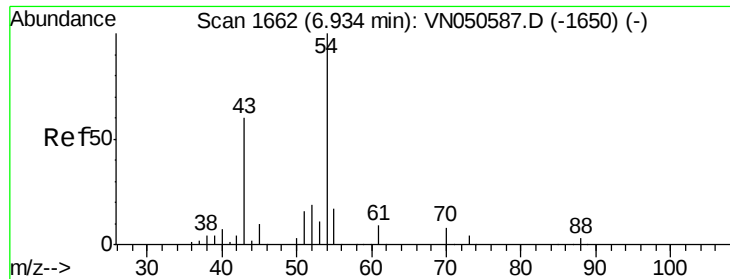
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#36
 1,1-Dichloropropene
 Concen: 16.44 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050743.D
 Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.4	18.3	54.9	
77	31.0	25.0	37.4	





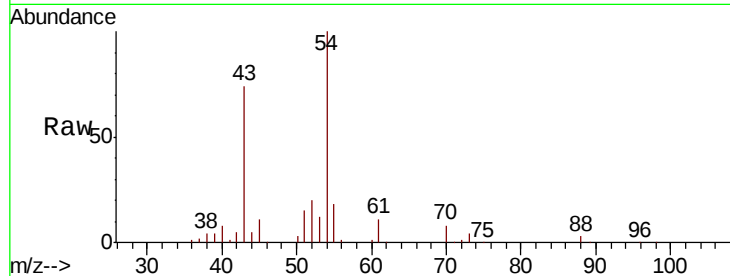
#37
Ethyl Acetate
Concen: 24.43 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	12.0	18.0
70	10.3	8.5	12.7

Manual Integrations
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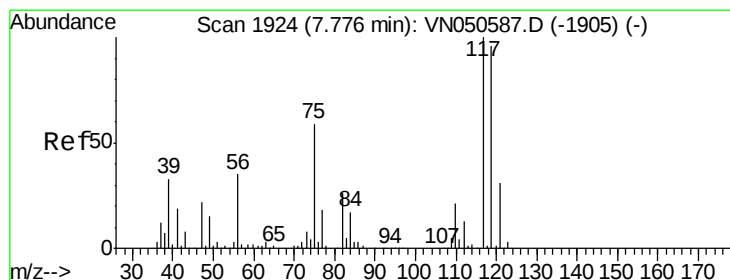
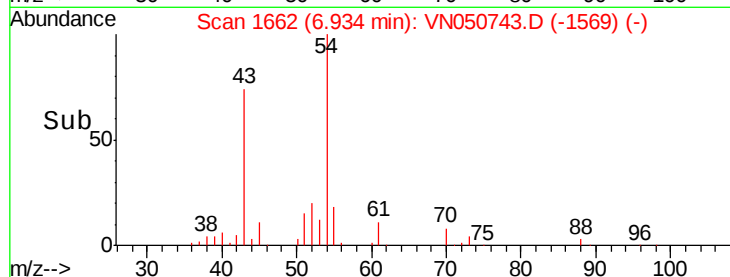
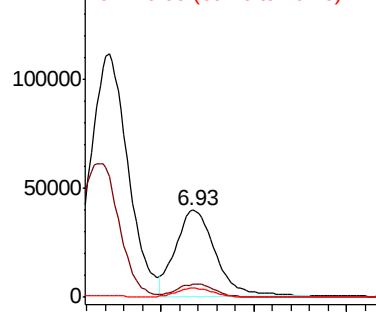


Abundance

Ion 43.00 (42.70 to 43.70): VN050587.D (-1650) (-)

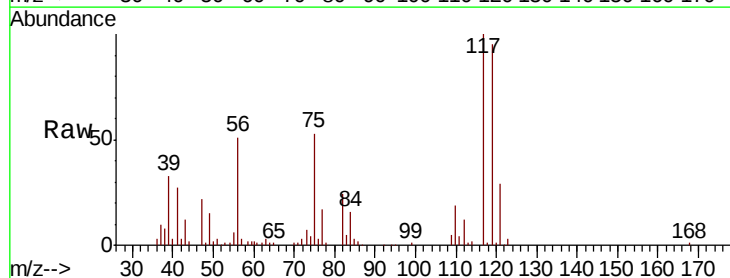
Ion 60.90 (60.60 to 61.60): VN050587.D (-1650) (-)

Ion 70.00 (69.70 to 70.70): VN050587.D (-1650) (-)



#38
Carbon Tetrachloride
Concen: 15.81 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.6	115.0
121	28.8	25.0	37.6

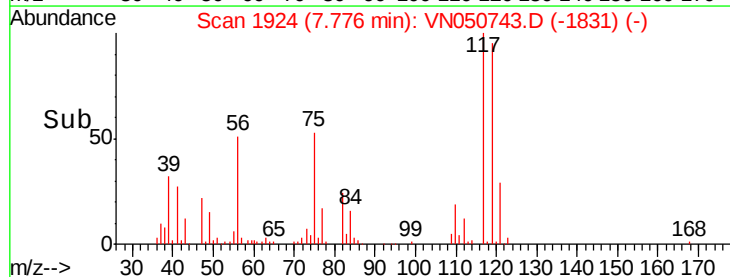
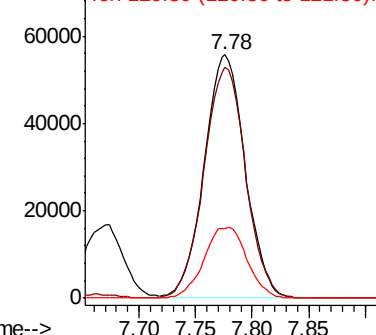


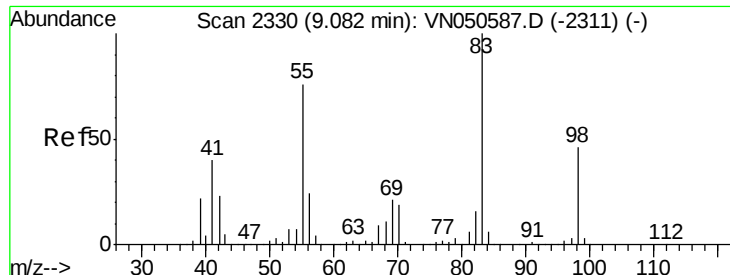
Abundance

Ion 116.80 (116.50 to 117.50): VN050587.D (-1905) (-)

Ion 118.80 (118.50 to 119.50): VN050587.D (-1905) (-)

Ion 120.80 (120.50 to 121.50): VN050587.D (-1905) (-)





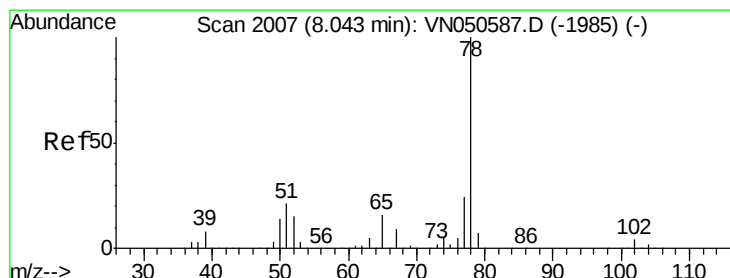
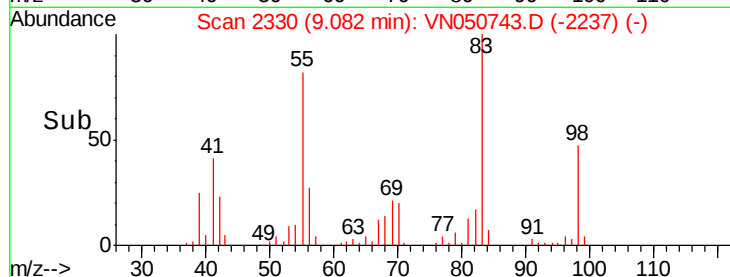
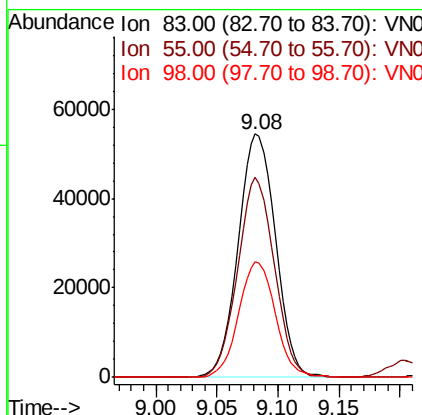
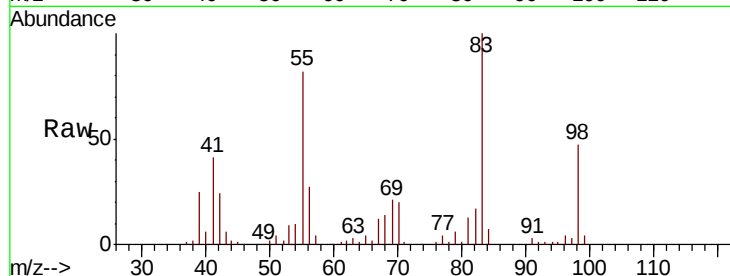
#39
Methvlcvclohexane
Concen: 13.02 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.1	60.6	91.0	
98	47.3	37.0	55.4	

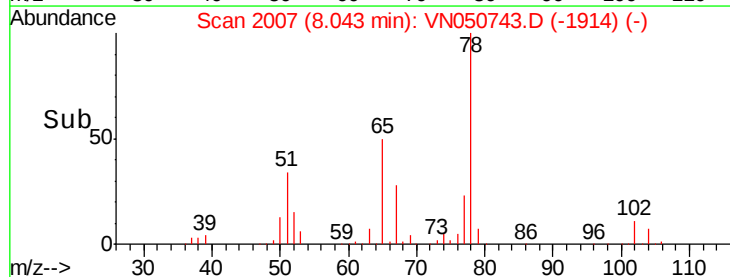
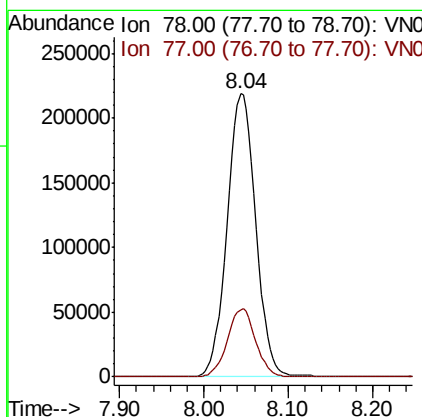
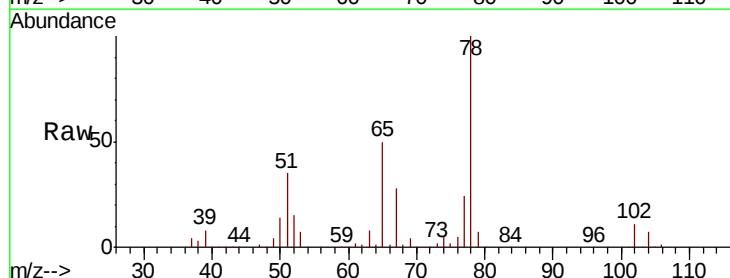
Manual Integrations
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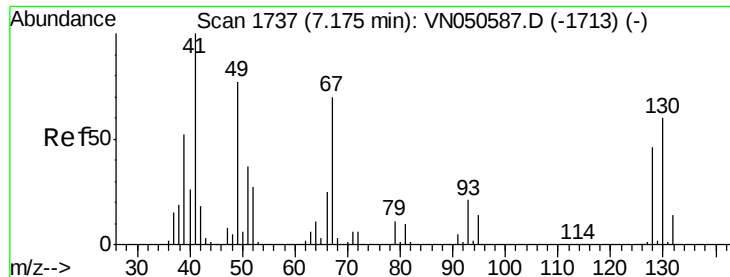
MMDadoda
8/20/2018 10:53:33 AM



#40
Benzene
Concen: 19.86 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.0	28.6	





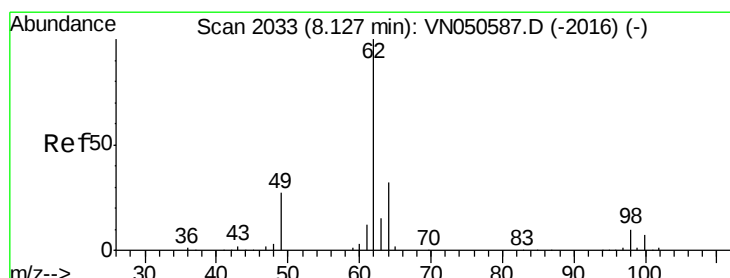
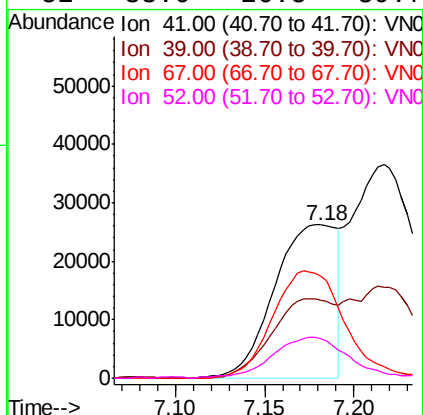
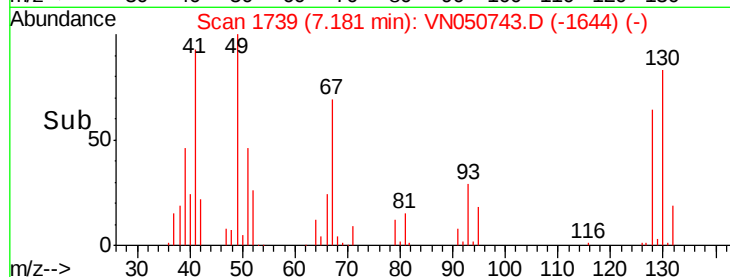
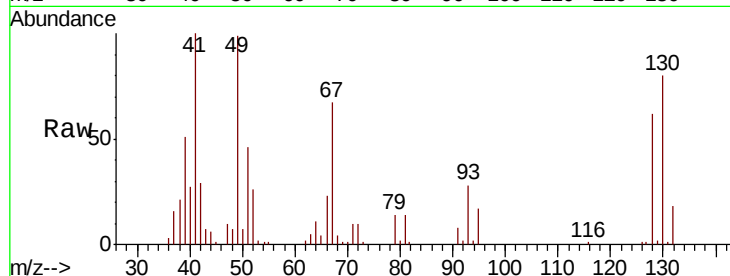
#41
Methacrylonitrile
Concen: 24.42 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	44.6	66.8	
67	80.9	66.7	100.1	
52	33.0	26.5	39.7	

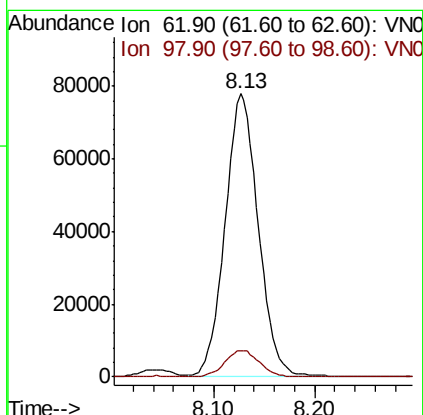
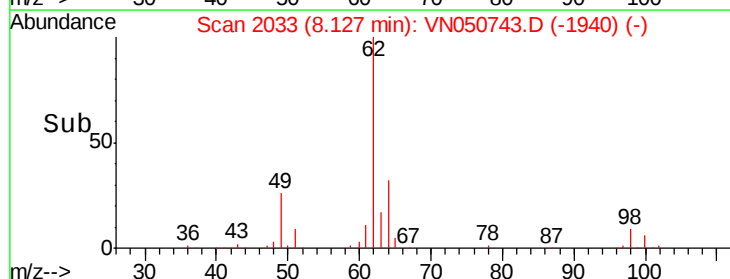
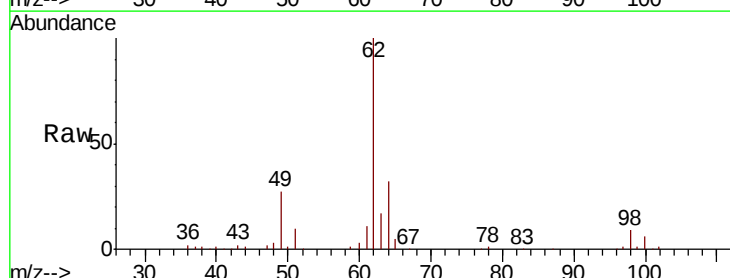
Manual Integrations
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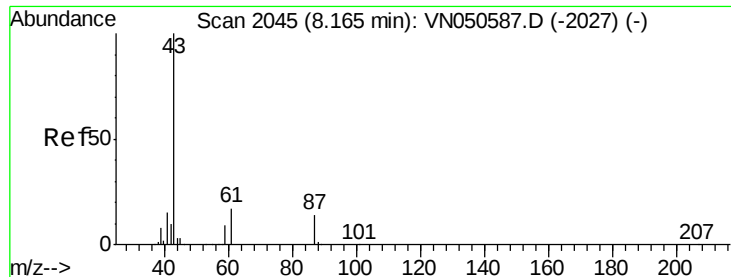
MMDadoda
8/20/2018 10:53:33 AM



#42
1,2-Dichloroethane
Concen: 22.26 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	19.4	





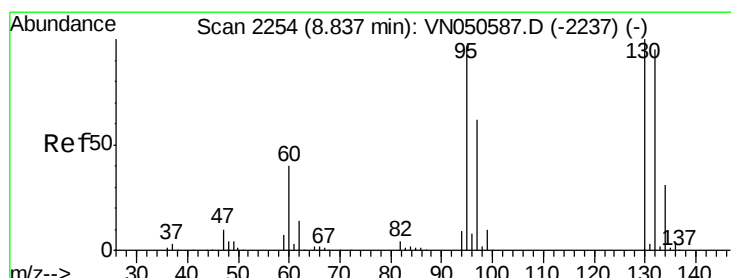
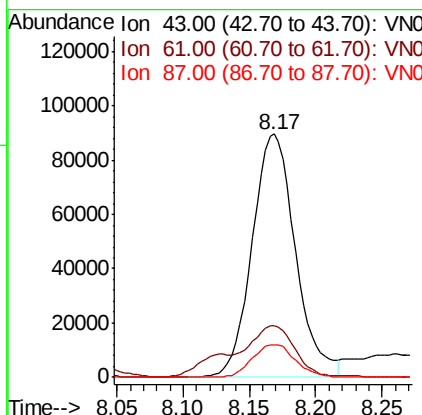
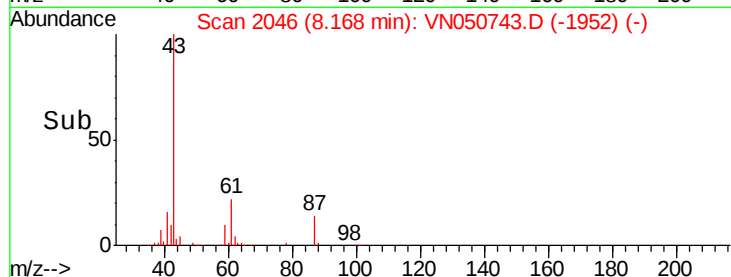
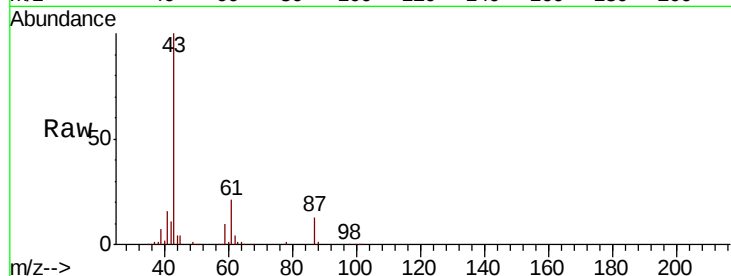
#43
Isopropyl Acetate
Concen: 23.16 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	16.2	24.2
87	13.4	10.9	16.3

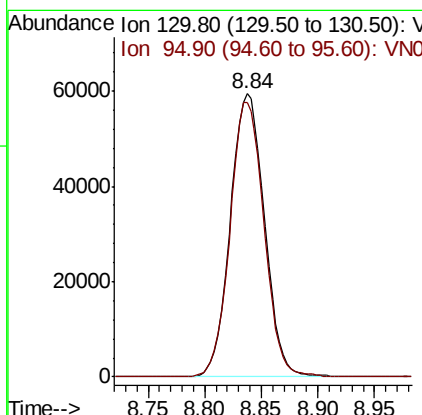
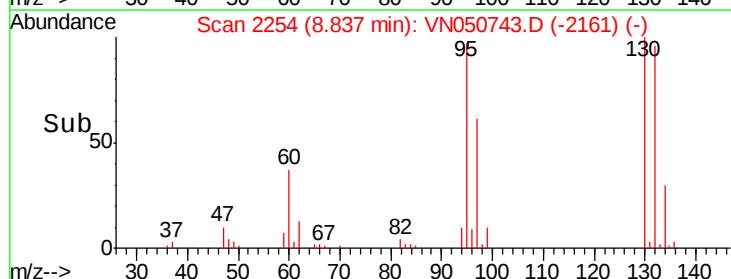
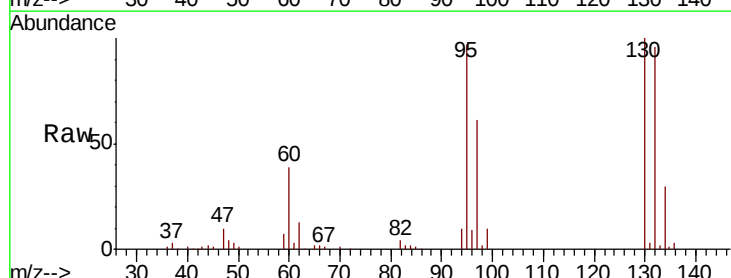
Manual Integrations
APPROVED

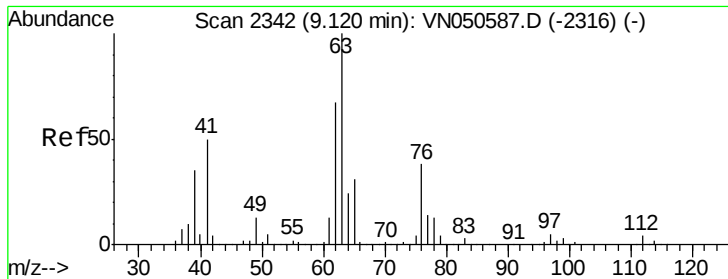
MMDadoda
8/20/2018 10:53:33 AM



#44
Trichloroethene
Concen: 17.91 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	193.8





#45

1,2-Dichloropropane

Concen: 20.66 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD03

Tot Ion: 63 Resp: 143226

Ion Ratio Lower Upper

63 100

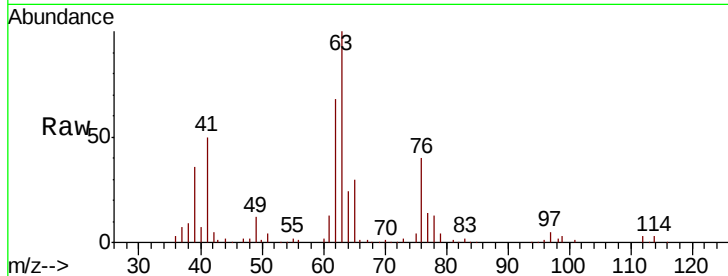
65 29.8 24.5 36.7

Manual Integrations

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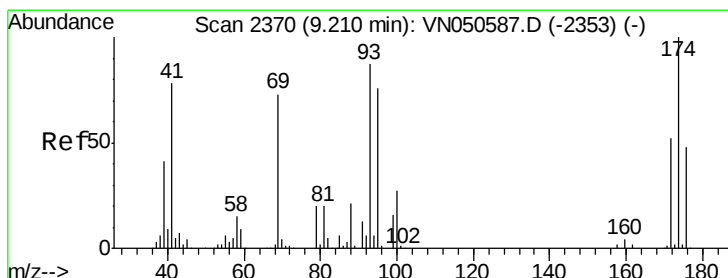
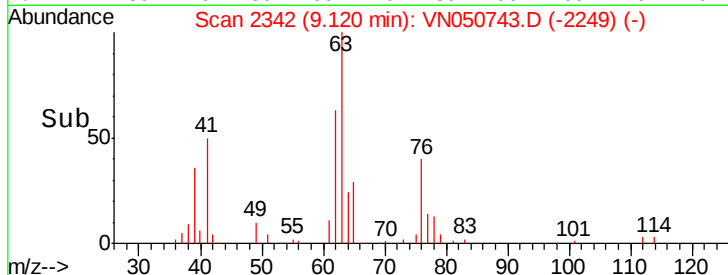
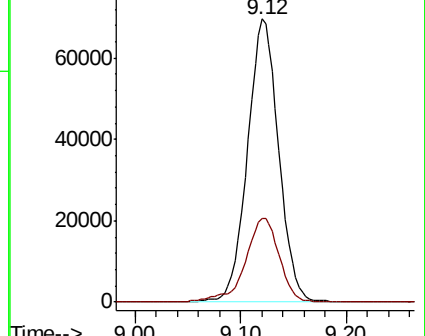
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8/20/2018 10:53:33 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.47 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

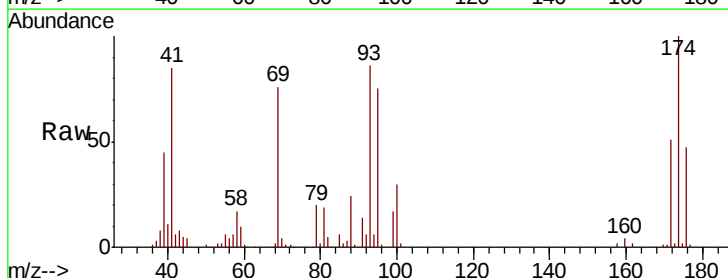
Tgt Ion: 93 Resp: 87901

Ion Ratio Lower Upper

93 100

95 84.5 69.1 103.7

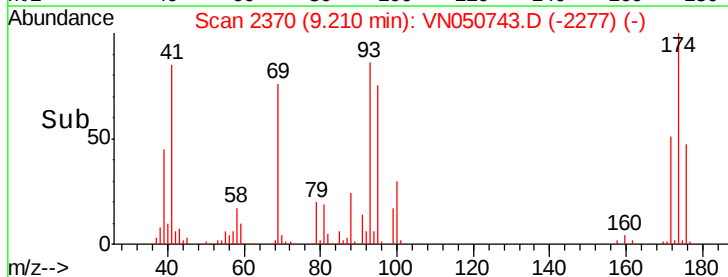
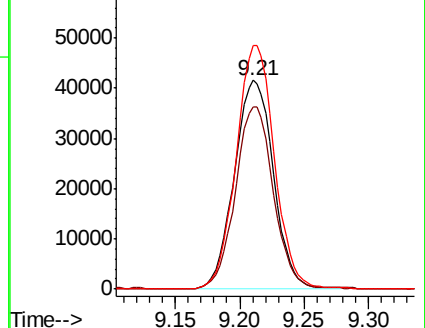
174 114.1 91.0 136.6

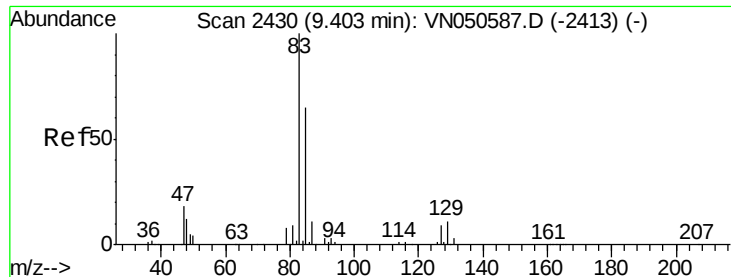


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.63 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

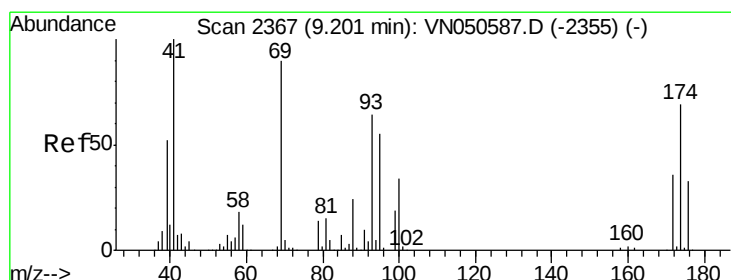
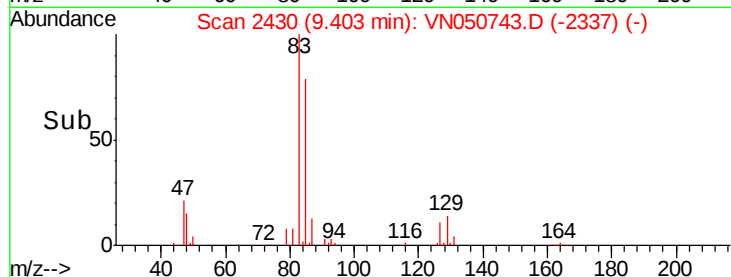
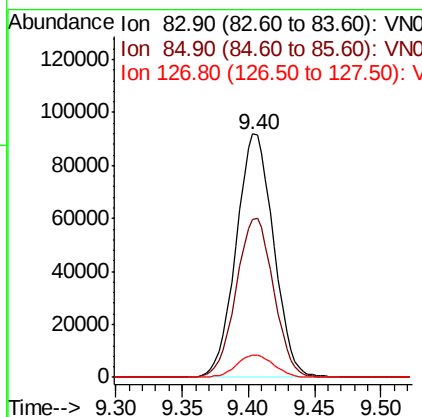
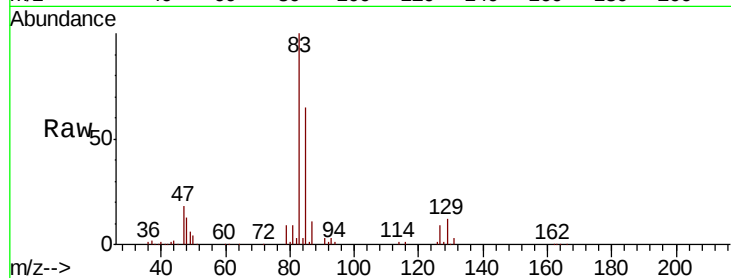
ClientSampleId :

VN0817WBSD03

Tot Ion:	83	Resp:	180460
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.8	77.6
127	9.1	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.60 ug/l

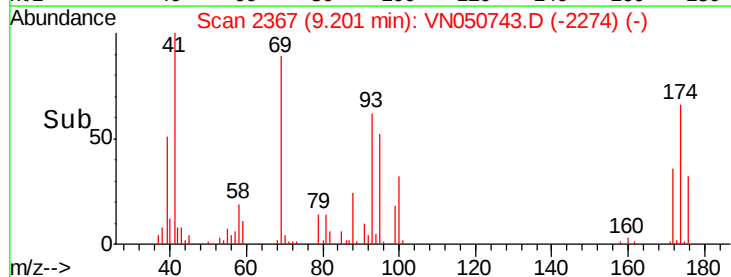
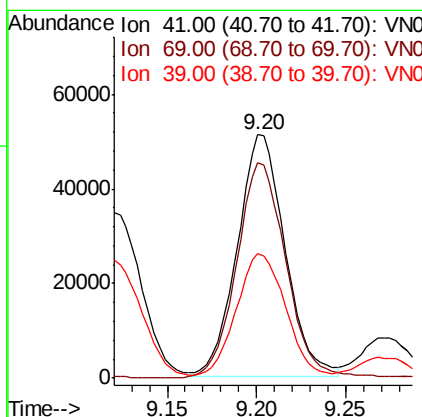
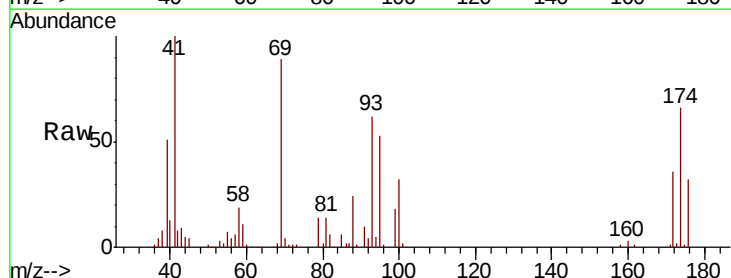
RT: 9.20 min Scan# 2367

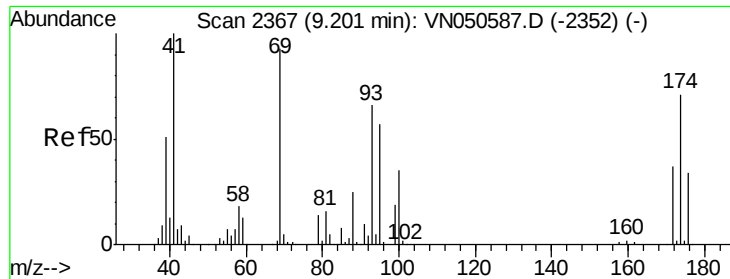
Delta R.T. -0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Tgt Ion:	41	Resp:	95822
Ion Ratio	Lower	Upper	
41	100		
69	92.1	73.4	110.0
39	52.9	43.0	64.6





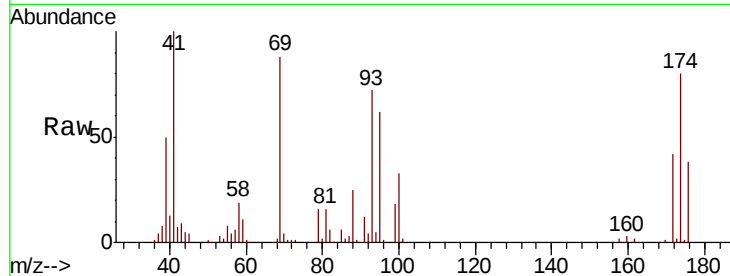
#49
1,4-Dioxane
Concen: 463.42 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	25.9	38.9
58	71.7	56.5	84.7

Manual Integrations
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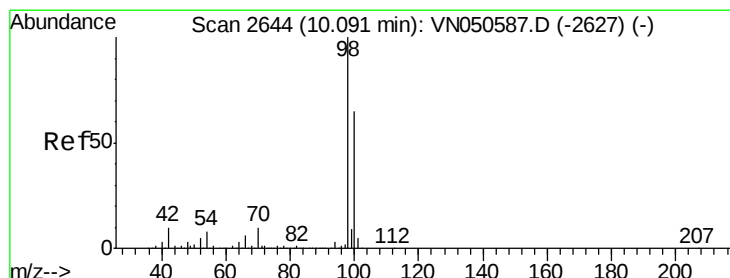
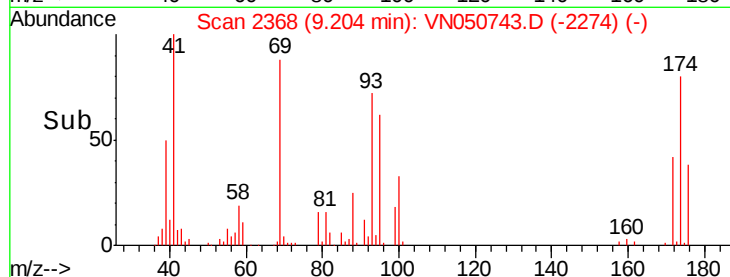
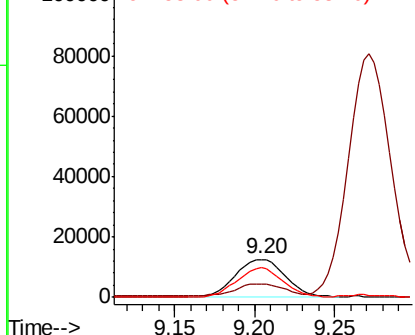


Abundance

Ion 88.00 (87.70 to 88.70): VN050587.D (-2352) (-)

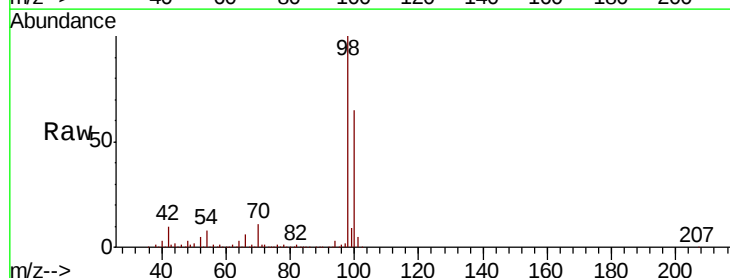
Ion 43.00 (42.70 to 43.70): VN050587.D (-2352) (-)

Ion 58.00 (57.70 to 58.70): VN050587.D (-2352) (-)



#50
Toluene-d8
Concen: 48.89 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

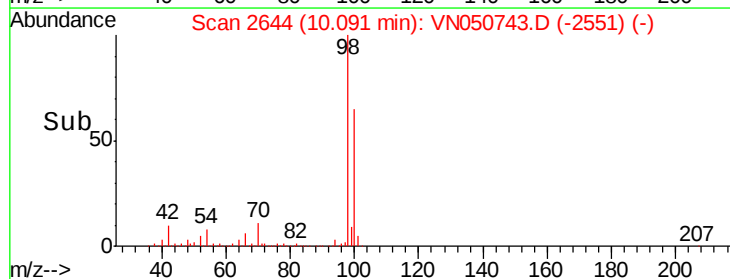
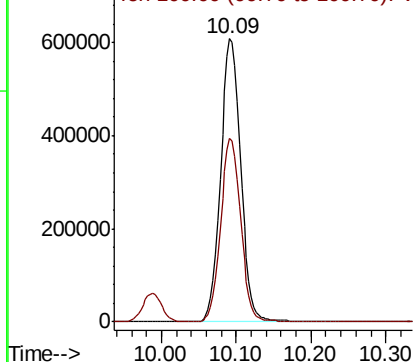
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.8	77.8

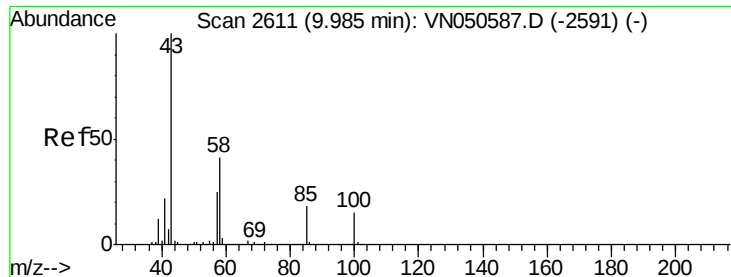


Abundance

Ion 98.00 (97.70 to 98.70): VN050587.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050587.D (-2627) (-)





#51

4-Methyl-2-Pentanone

Concen: 121.43 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD03

Tot Ion: 43 Resp: 724126

Ion Ratio Lower Upper

43 100

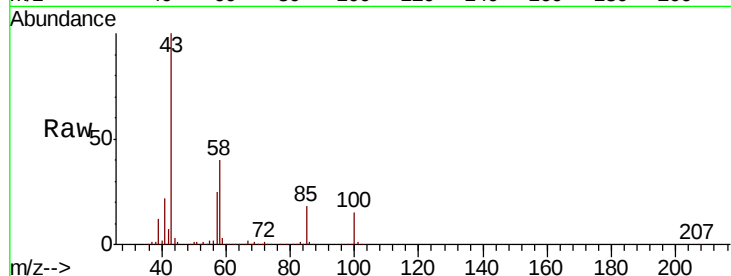
58 39.9 32.5 48.7

Manual Integrations

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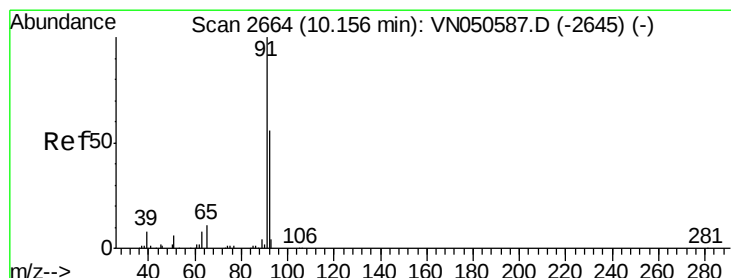
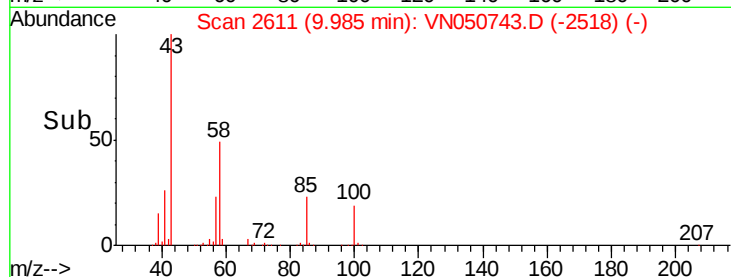
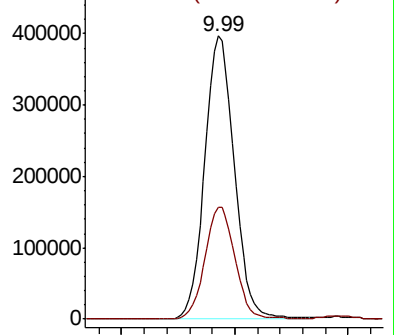
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8/20/2018 10:53:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.51 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050743.D

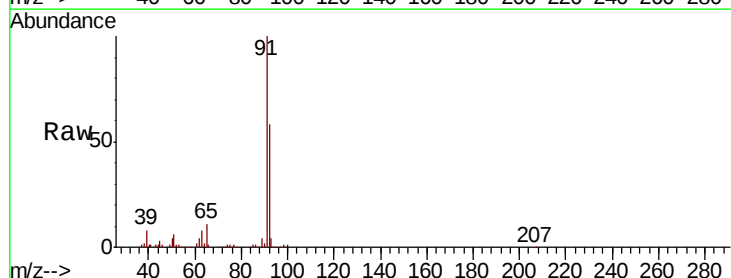
Acq: 18 Aug 2018 1:41

Tgt Ion: 92 Resp: 303312

Ion Ratio Lower Upper

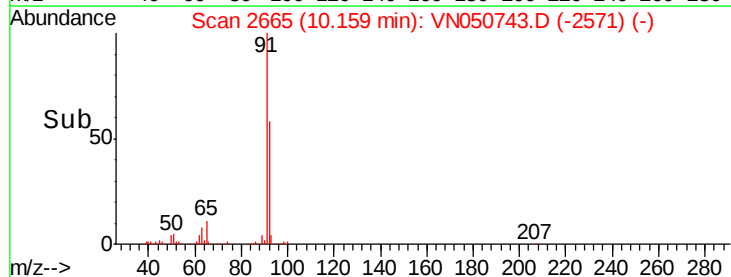
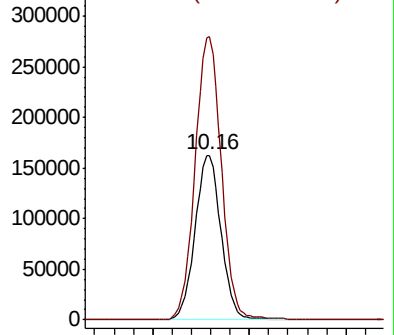
92 100

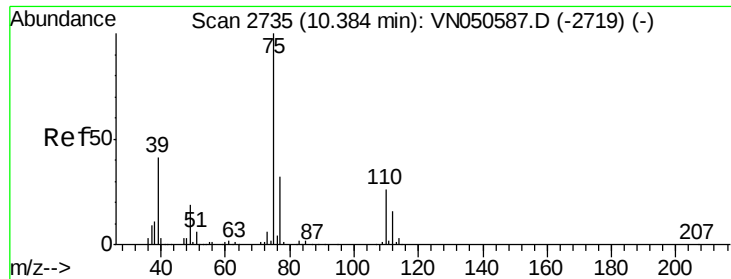
91 174.3 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





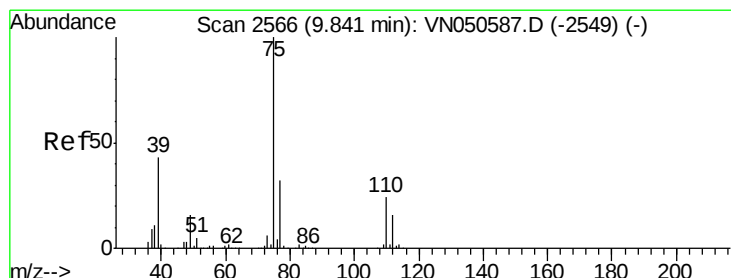
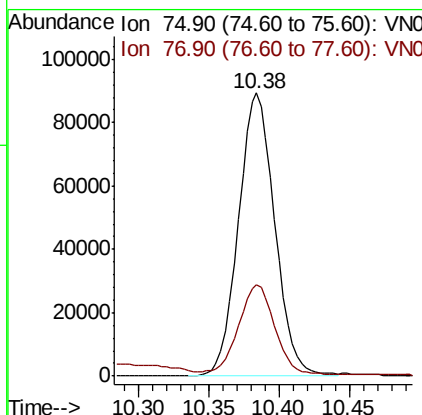
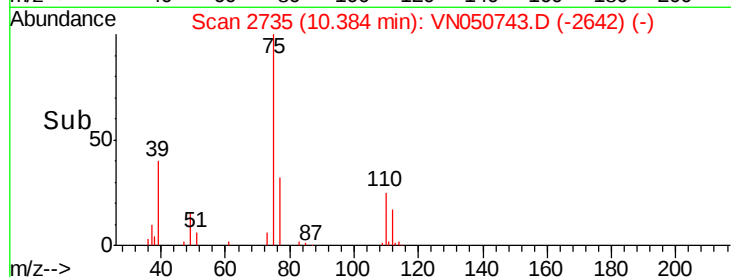
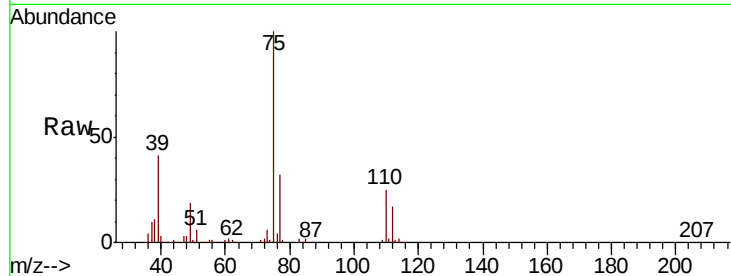
#53
t-1,3-Dichloropropene
Concen: 19.78 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6

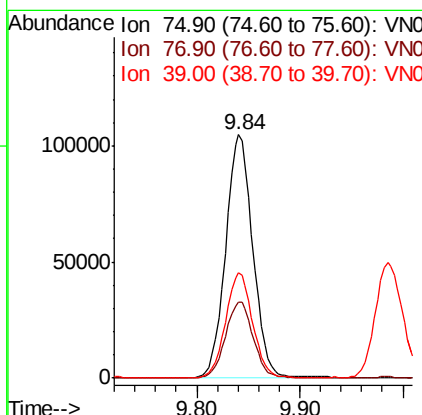
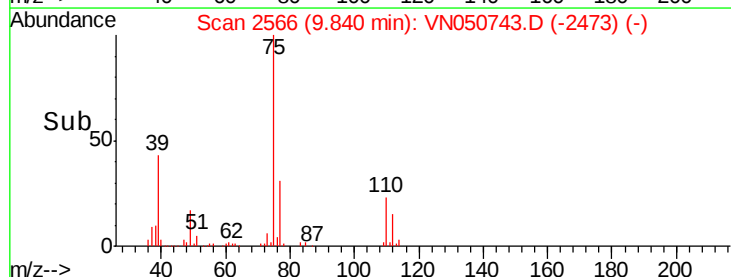
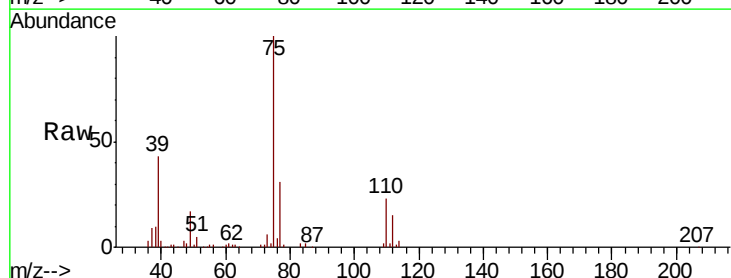
Manual Integrations
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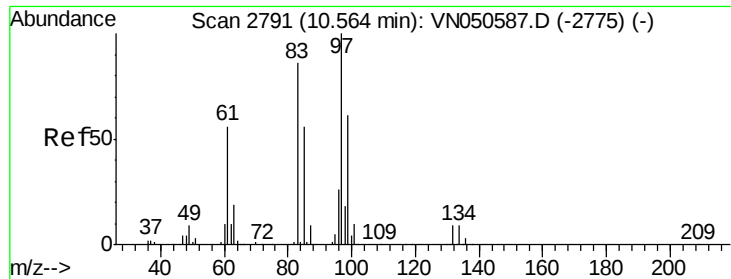
MMDadoda
8/20/2018 10:53:33 AM



#54
cis-1,3-Dichloropropene
Concen: 20.58 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.6	38.4
39	43.3	34.4	51.6





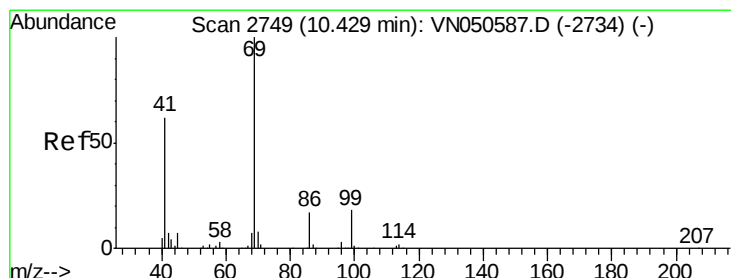
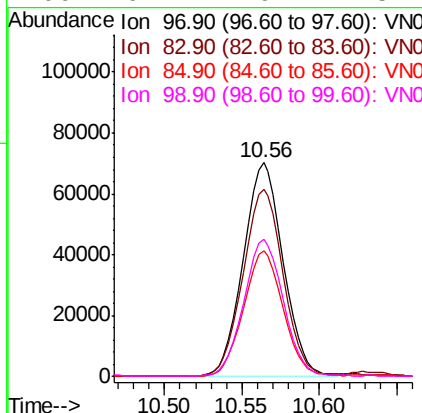
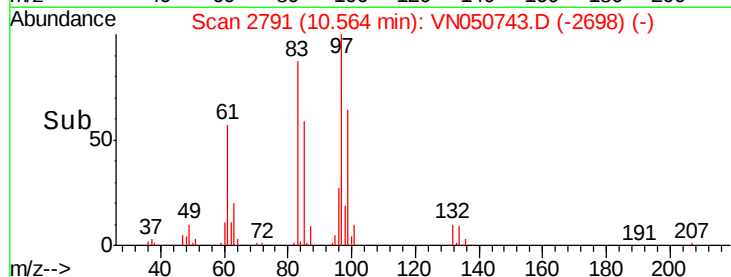
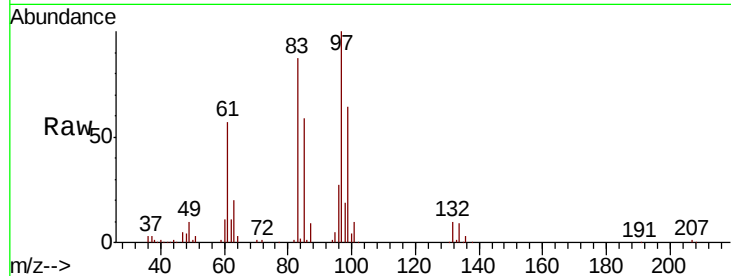
#55
 1,1,2-Trichloroethane
 Concen: 21.72 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050743.D
 Acq: 18 Aug 2018 1:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		126127		
83	87.4	68.5	102.7		
85	58.7	44.6	66.8		
99	64.2	49.1	73.7		

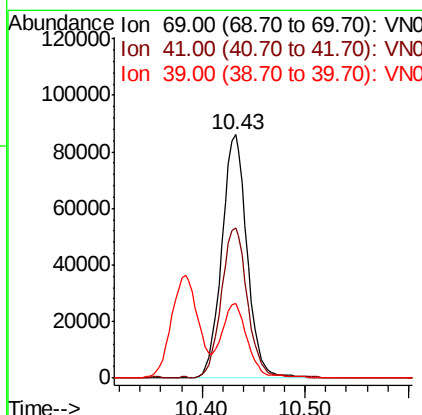
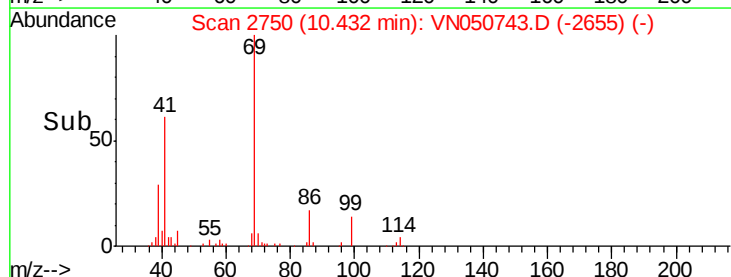
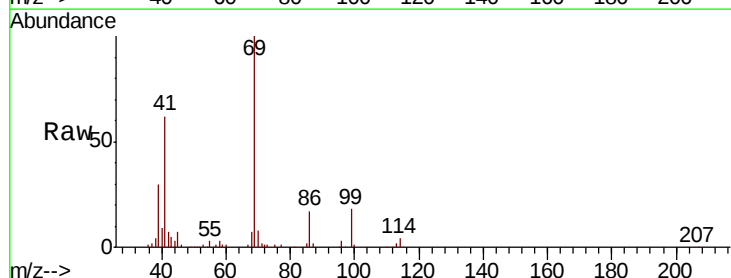
Manual Integrations
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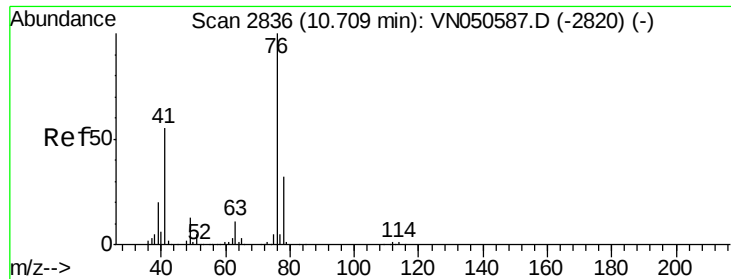
MMDadoda
 8/20/2018 10:53:33 AM



#56
 Ethyl methacrylate
 Concen: 20.97 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050743.D
 Acq: 18 Aug 2018 1:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		146875		
41	62.8	49.7	74.5		
39	30.9	24.2	36.2		





#57

1,3-Dichloropropane

Concen: 22.01 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD03

Tot Ion: 76 Resp: 209591

Ion Ratio Lower Upper

76 100

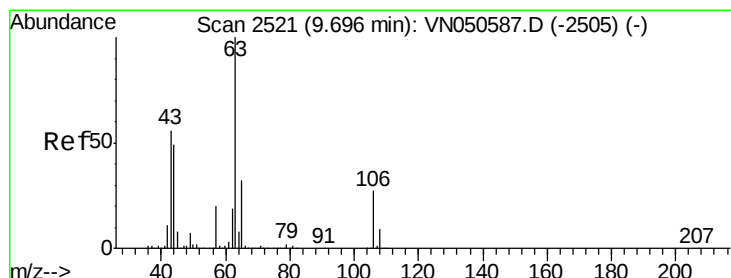
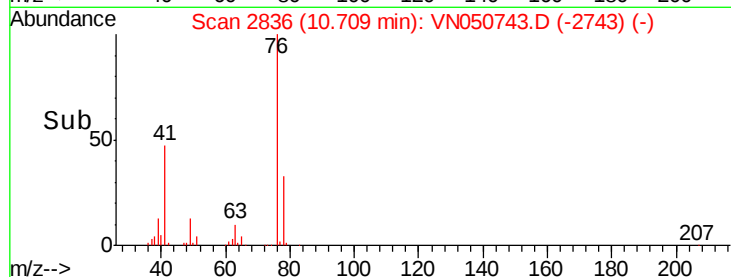
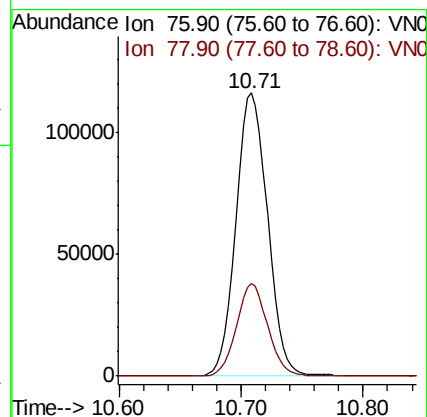
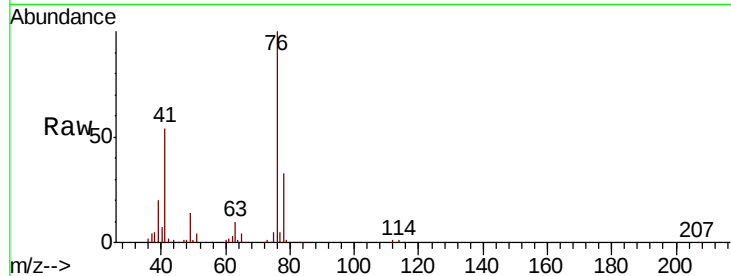
78 32.4 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 110.32 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050743.D

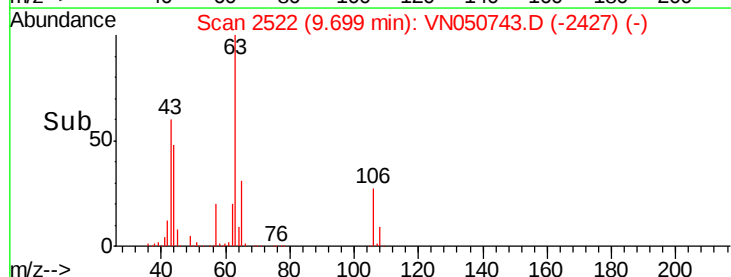
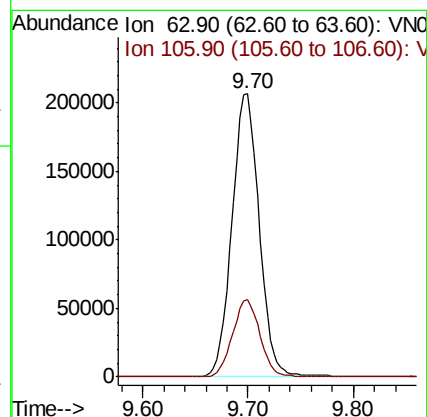
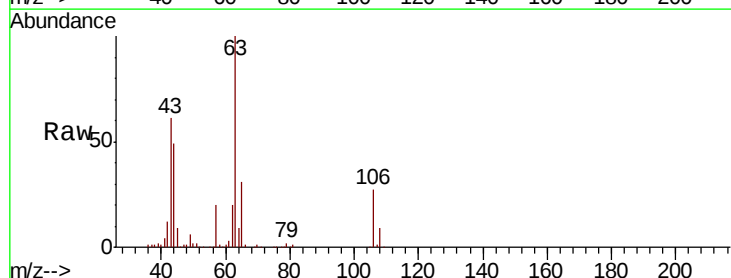
Acq: 18 Aug 2018 1:41

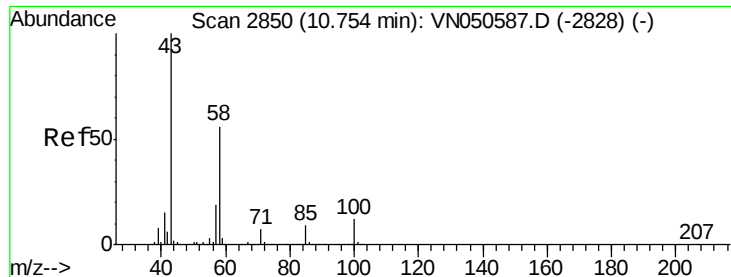
Tgt Ion: 63 Resp: 369984

Ion Ratio Lower Upper

63 100

106 27.4 21.7 32.5





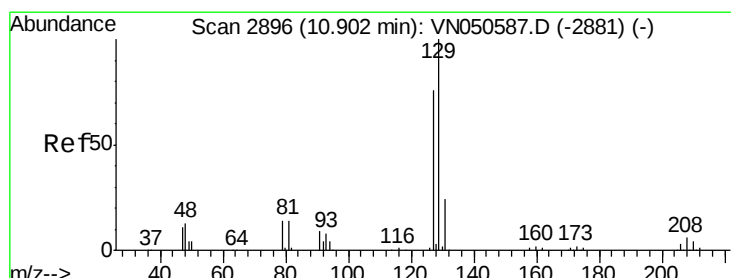
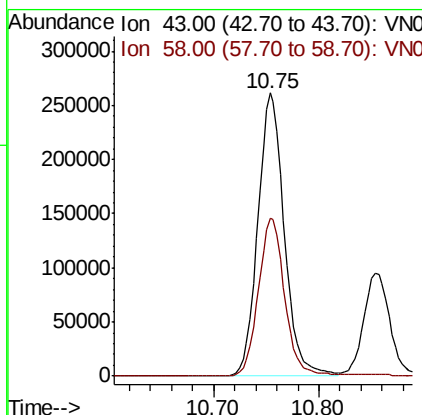
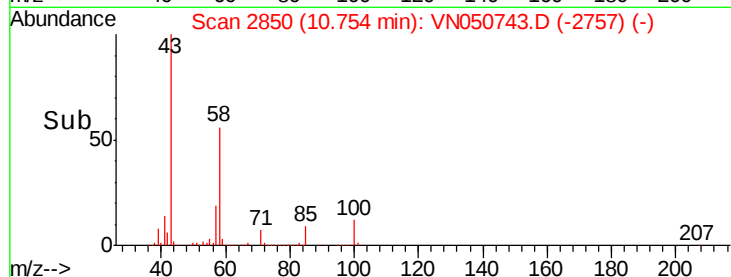
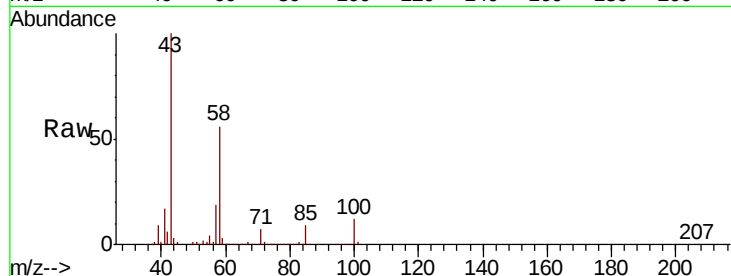
#59
2-Hexanone
Concen: 118.26 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.0	28.0	84.0

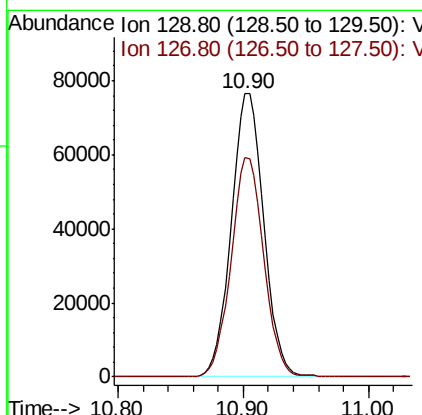
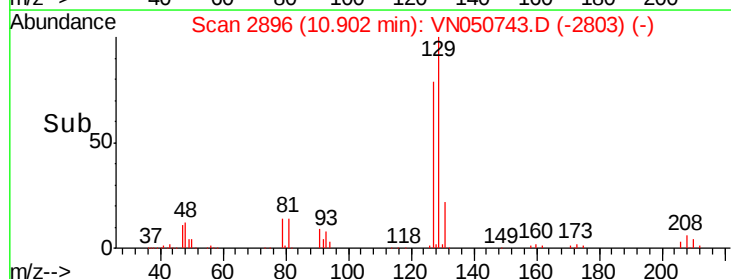
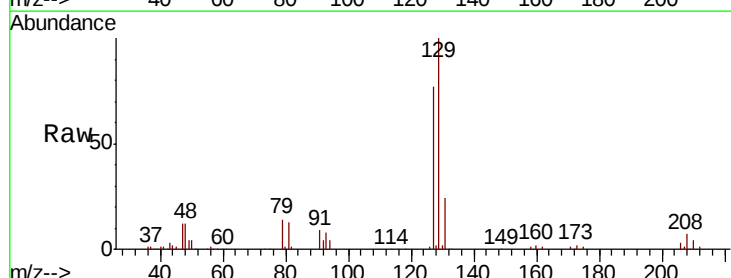
Manual Integrations
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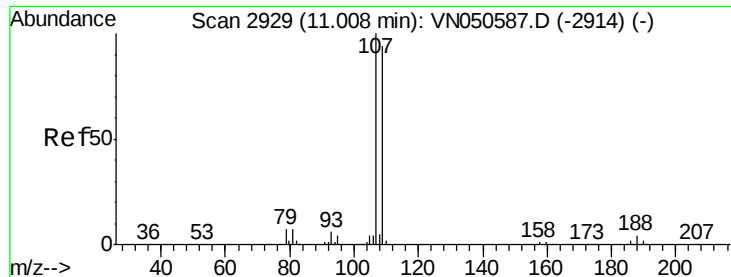
MMDadoda
8/20/2018 10:53:33 AM



#60
Dibromochloromethane
Concen: 21.43 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.9	116.7





#61

1,2-Dibromoethane

Concen: 22.27 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD03

Tot Ion: 107 Resp: 123183

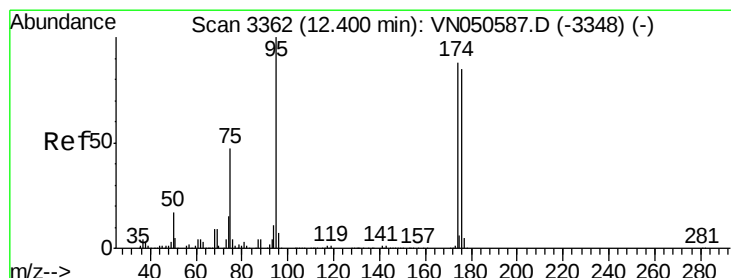
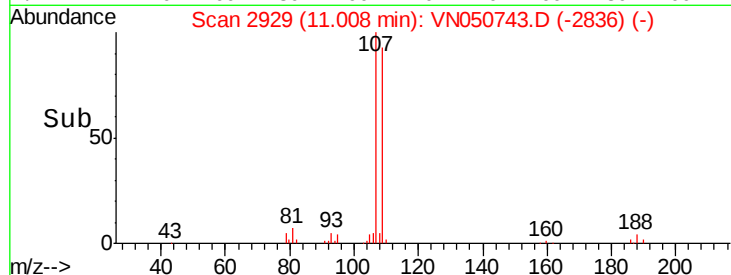
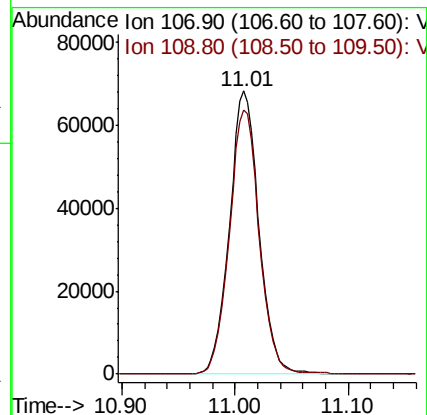
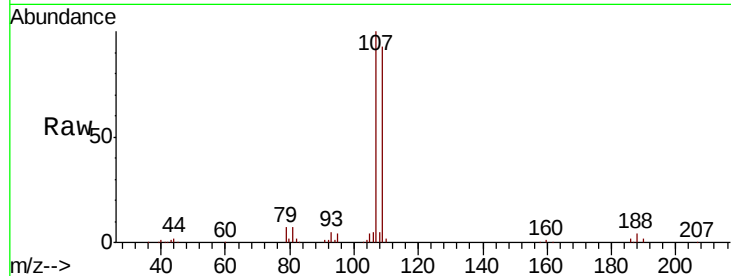
Ion Ratio Lower Upper

107 100

109 94.2 75.7 113.5

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:33 AM



#62

4-Bromofluorobenzene

Concen: 46.18 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

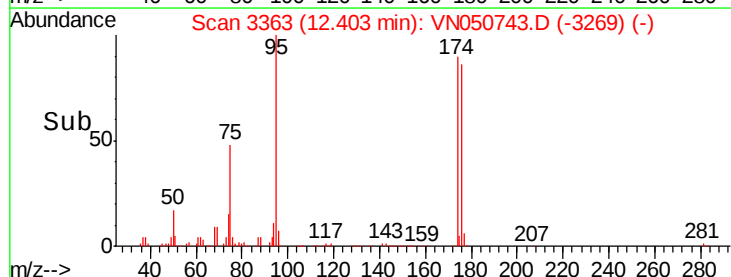
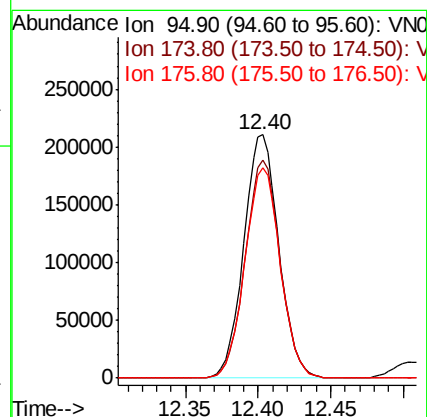
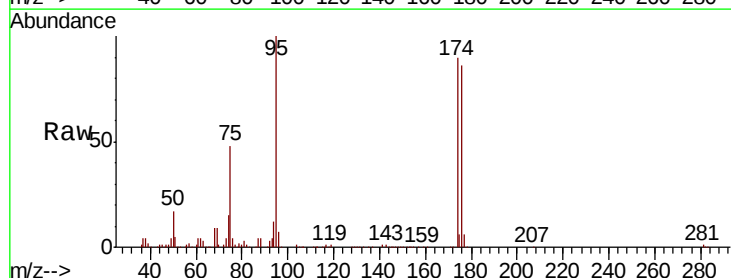
Tgt Ion: 95 Resp: 352474

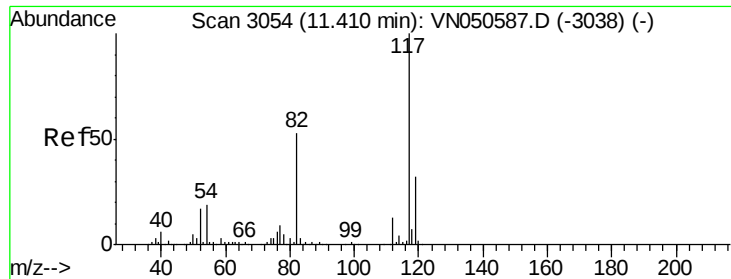
Ion Ratio Lower Upper

95 100

174 89.4 0.0 177.8

176 87.3 0.0 175.0





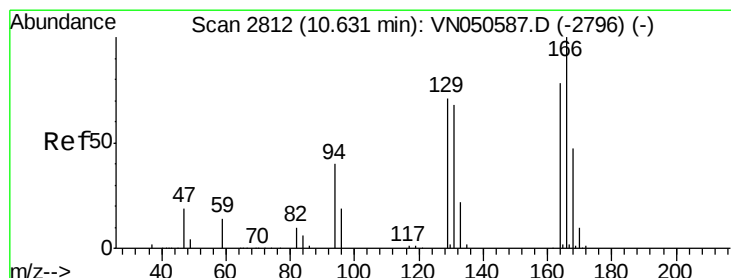
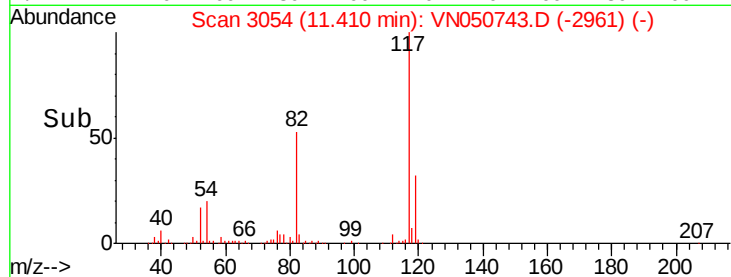
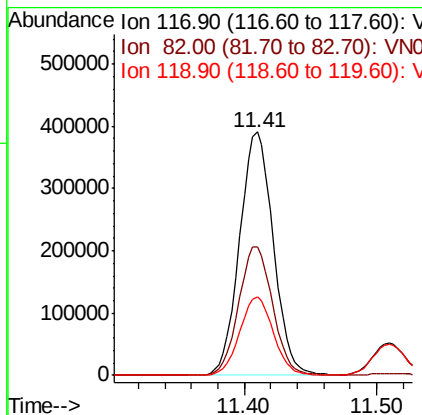
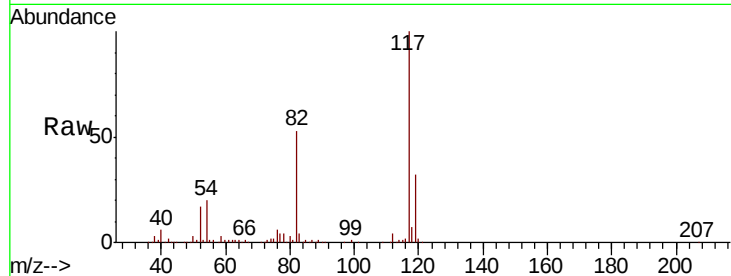
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	690820		
82	52.9		42.4	63.6
119	32.2		25.8	38.8

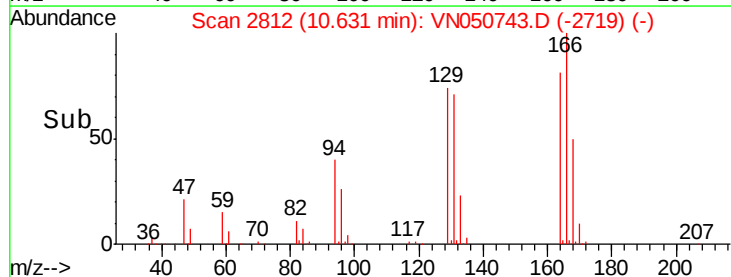
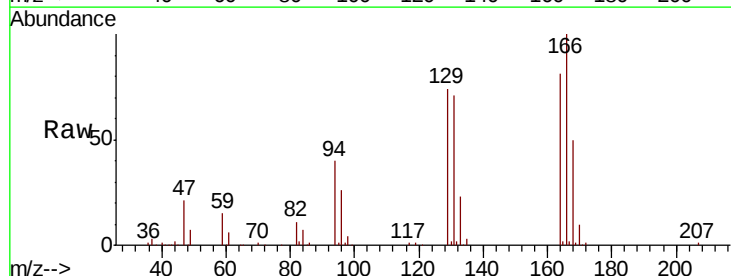
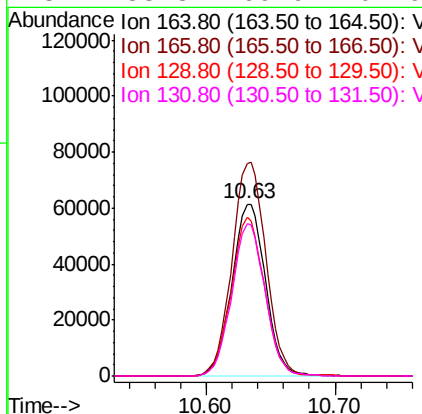
Manual Integrations
APPROVED

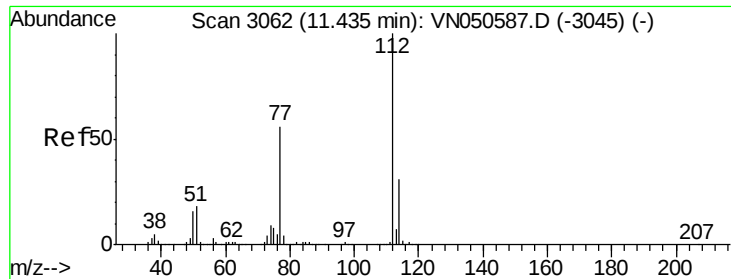
MMDadoda
8/20/2018 10:53:33 AM



#64
Tetrachloroethene
Concen: 17.32 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	111098		
166	123.7		102.1	153.1
129	92.1		72.7	109.1
131	88.3		69.9	104.9





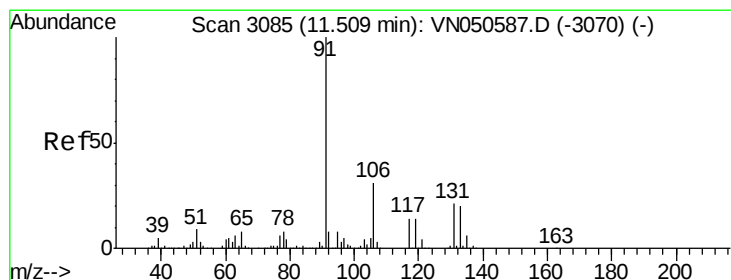
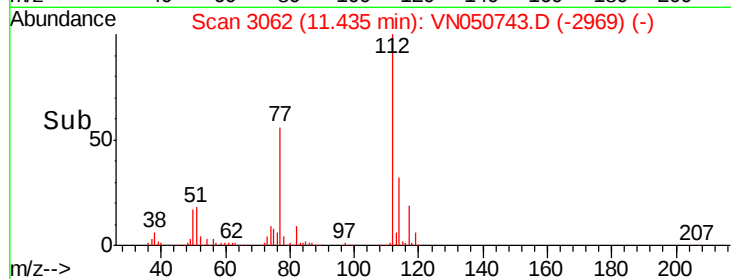
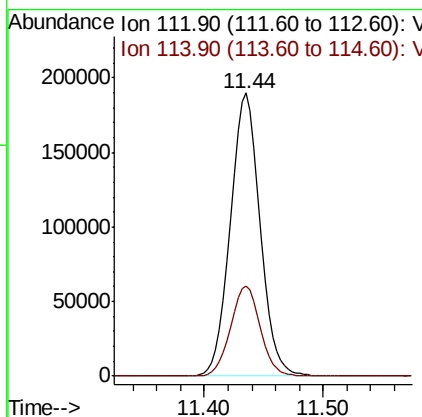
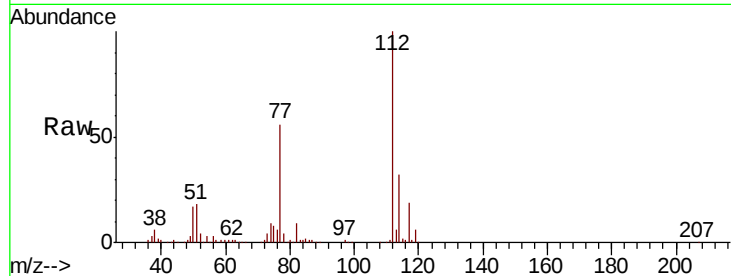
#65
Chlorobenzene
Concen: 19.10 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion:112 Resp: 328397
Ion Ratio Lower Upper
112 100
114 32.0 25.2 37.8

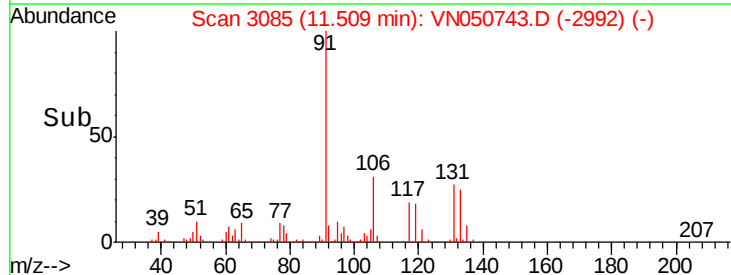
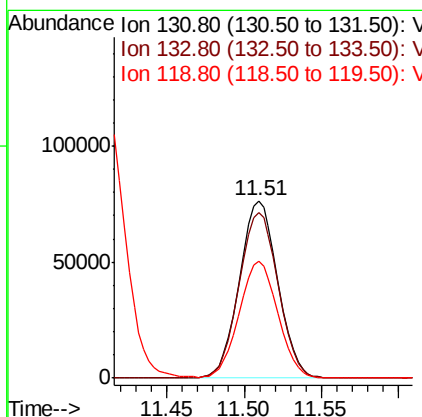
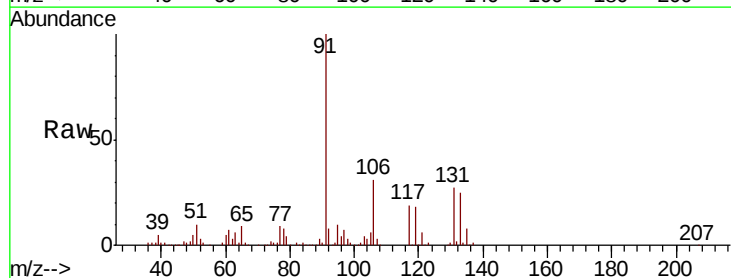
Manual Integrations
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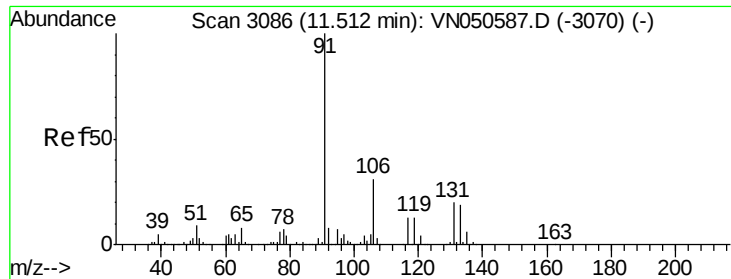
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.48 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion:131 Resp: 132015
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.9
119 66.5 33.1 99.3





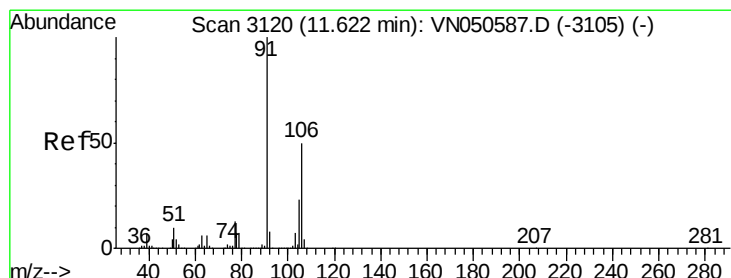
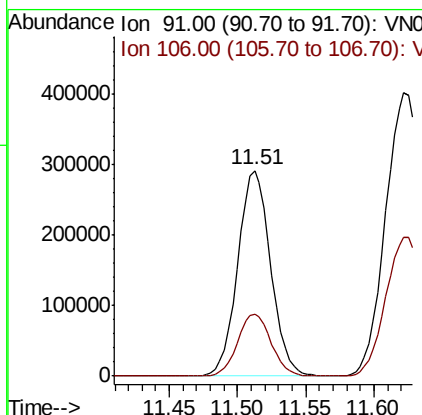
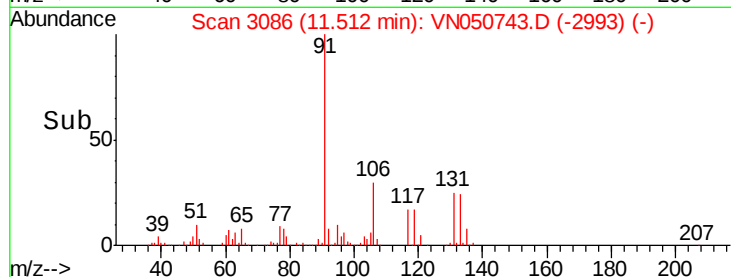
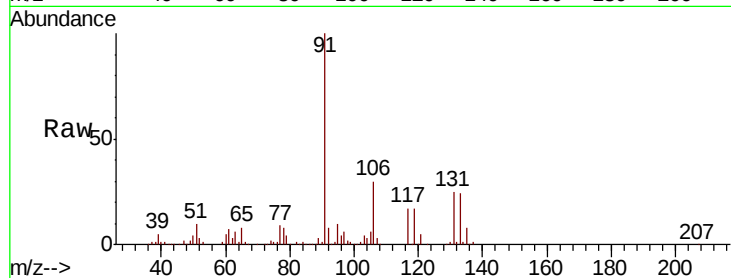
#67
Ethyl Benzene
Concen: 17.57 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion: 91 Resp: 487628
Ion Ratio Lower Upper
91 100
106 30.4 24.8 37.2

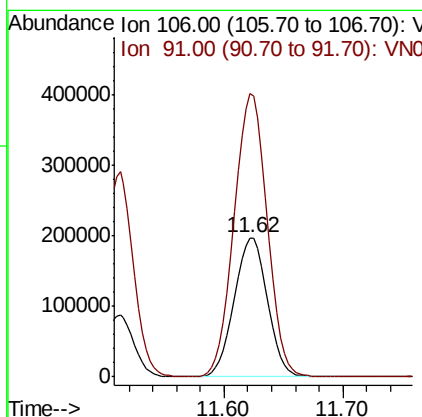
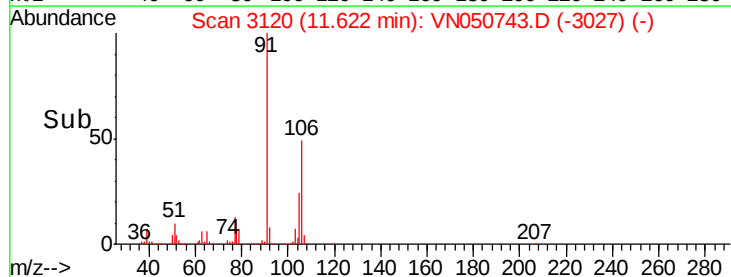
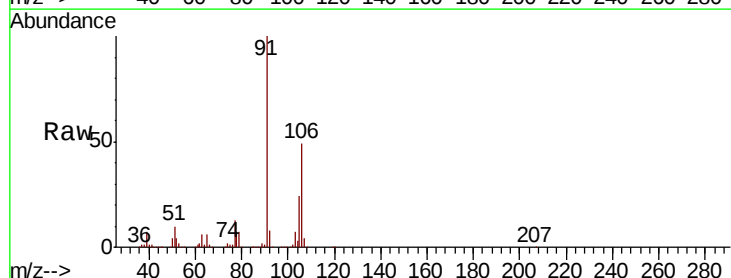
Manual Integrations
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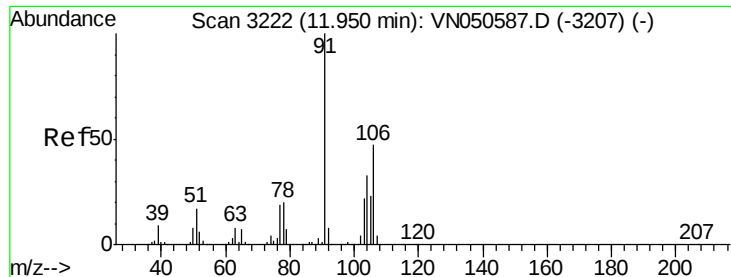
MMDadoda
8/20/2018 10:53:33 AM



#68
m/p-Xylenes
Concen: 35.88 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion: 106 Resp: 380914
Ion Ratio Lower Upper
106 100
91 202.9 161.5 242.3





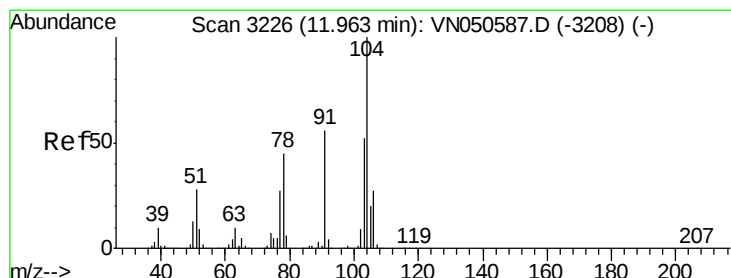
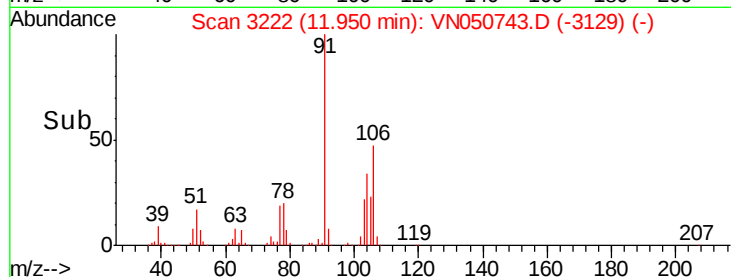
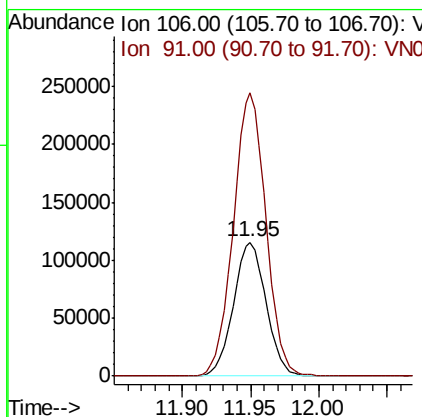
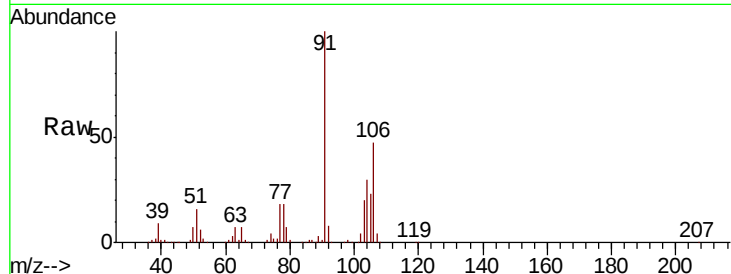
#69
o-Xylene
Concen: 18.86 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.9	106.8	320.4

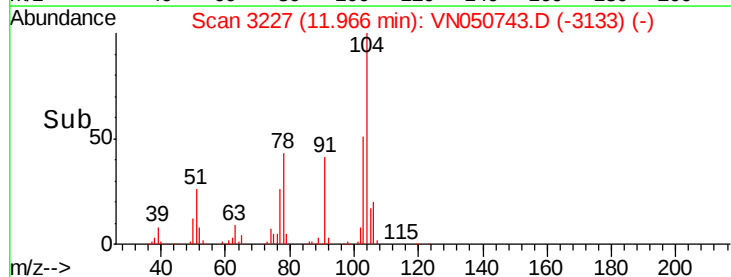
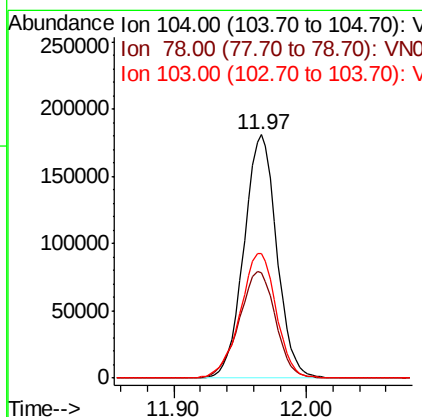
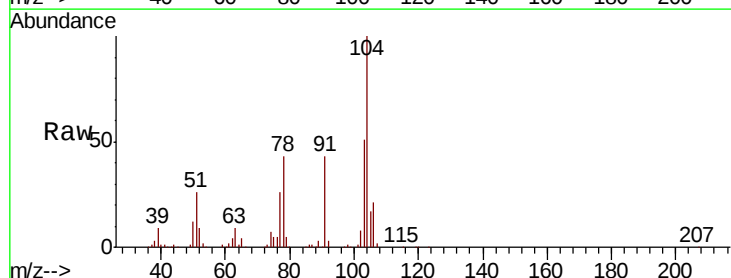
Manual Integrations
APPROVED

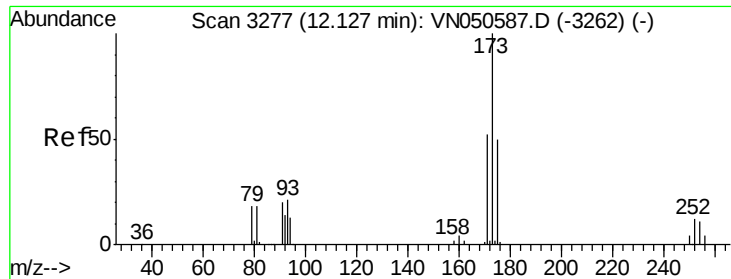
MMDadoda
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#70
Styrene
Concen: 17.89 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.1	58.7
103	56.4	44.9	67.3





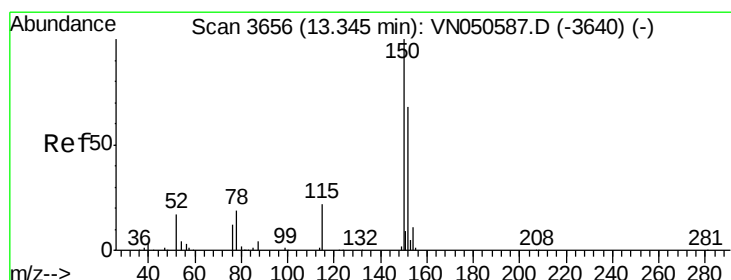
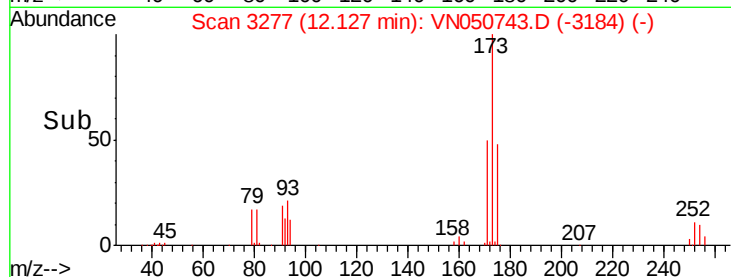
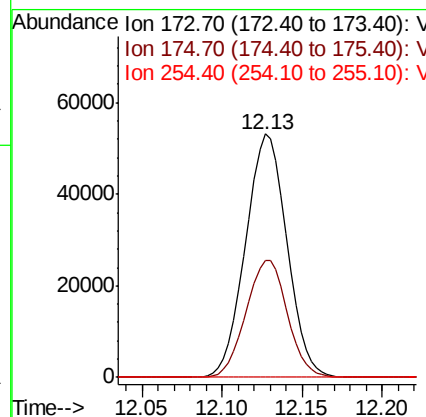
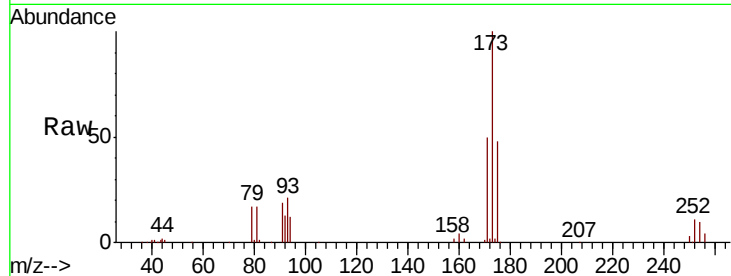
#71
Bromoform
Concen: 21.94 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.4	73.2
254	0.0	0.0	0.0#

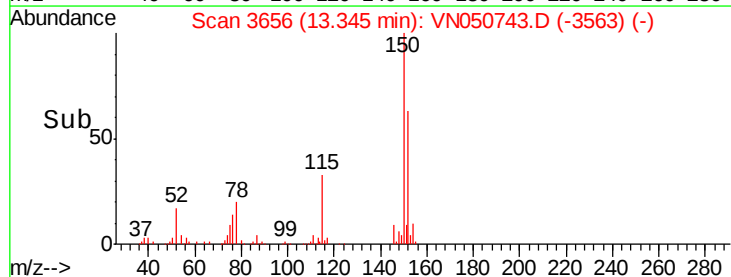
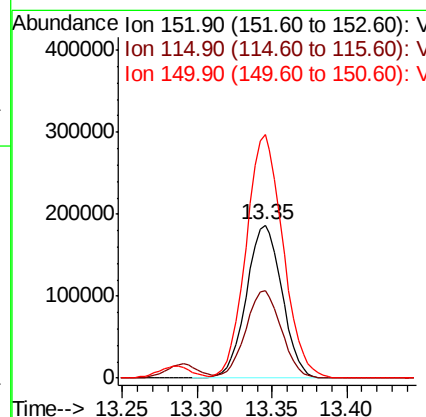
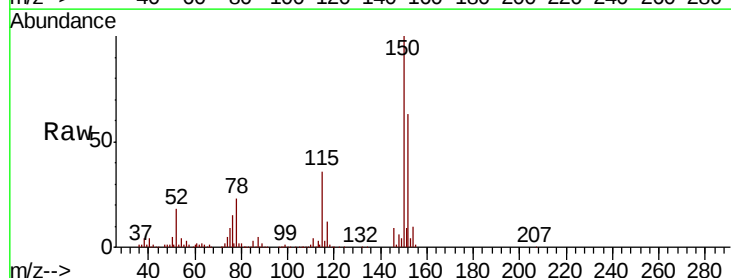
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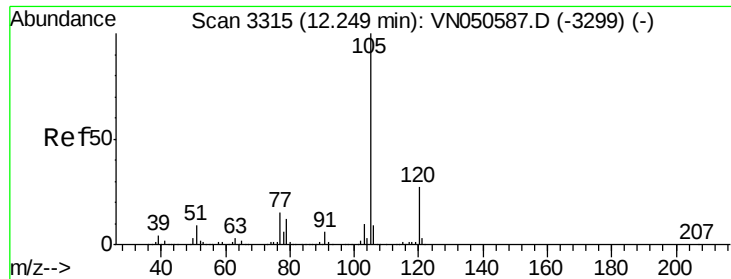
MMDadoda
8/20/2018 10:53:33 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.1	84.2
150	165.0	0.0	347.8





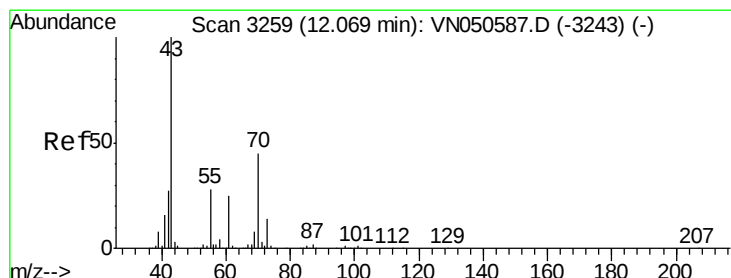
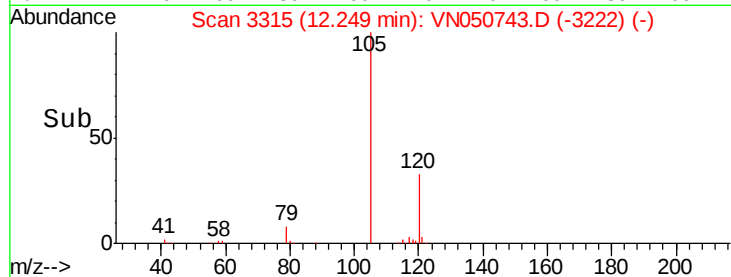
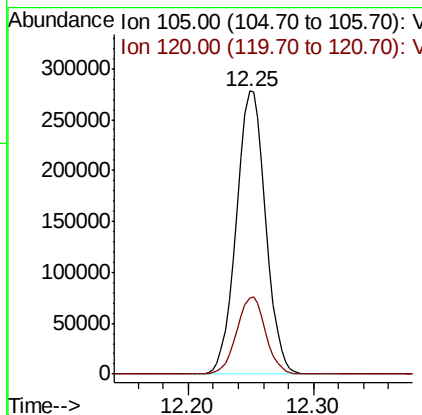
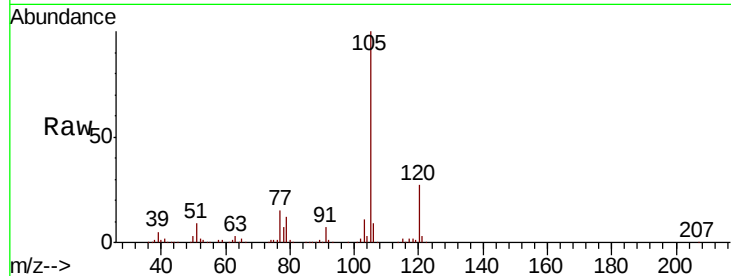
#73
Isopropylbenzene
Concen: 18.65 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion: 105 Resp: 450706
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.1

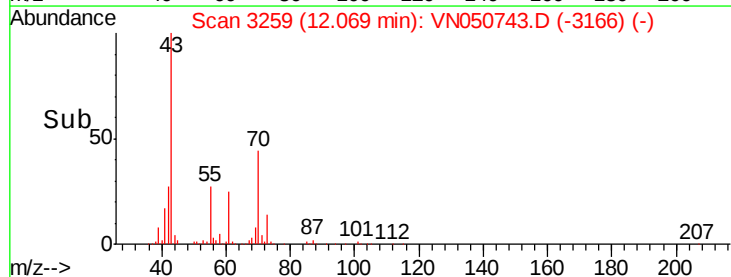
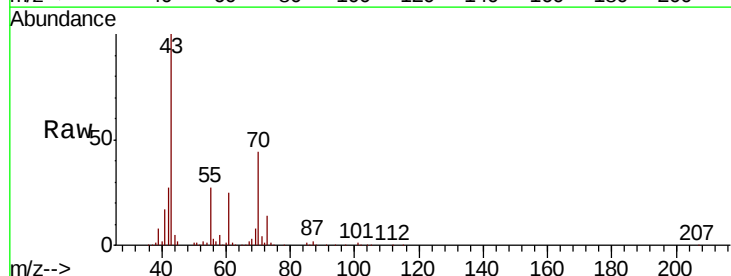
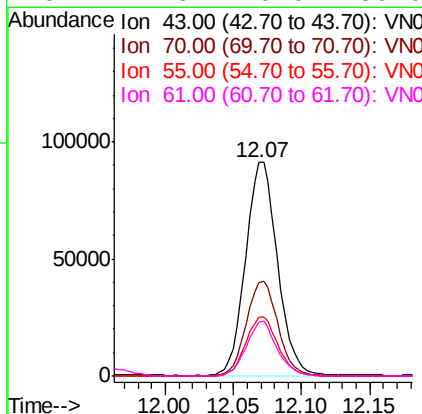
Manual Integrations
APPROVED

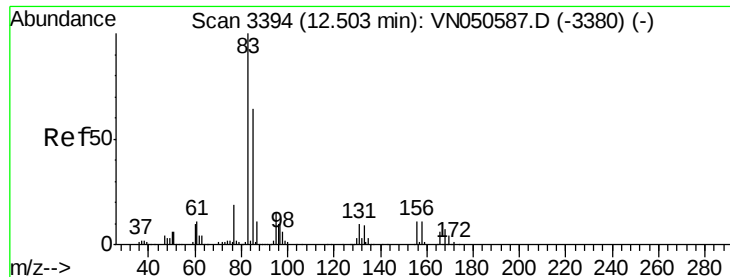
MMDadoda
8/20/2018 10:53:33 AM



#74
N-ethyl acetate
Concen: 23.58 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion: 43 Resp: 148232
Ion Ratio Lower Upper
43 100
70 43.8 35.9 53.9
55 28.0 22.2 33.4
61 24.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 27.23 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

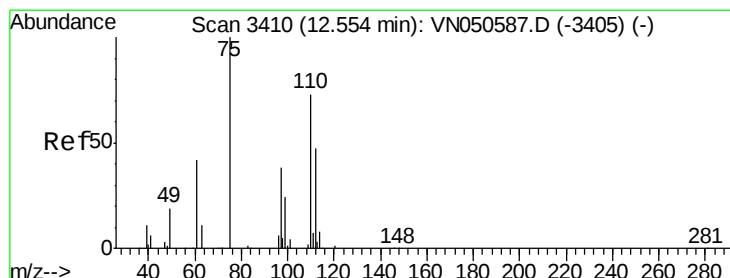
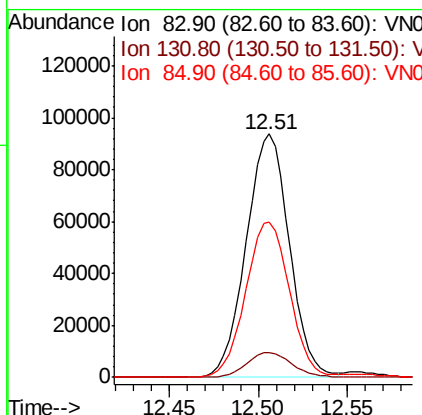
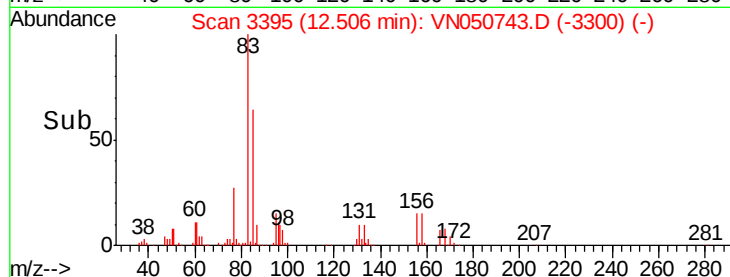
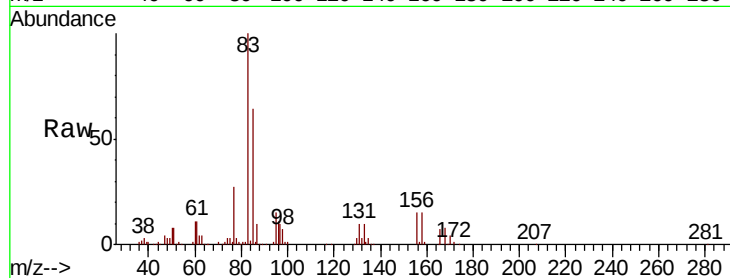
ClientSampleId :

VN0817WBSD03

Tot Ion:	83	Resp:	158694
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.9
85	64.6	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 25.02 ug/l m

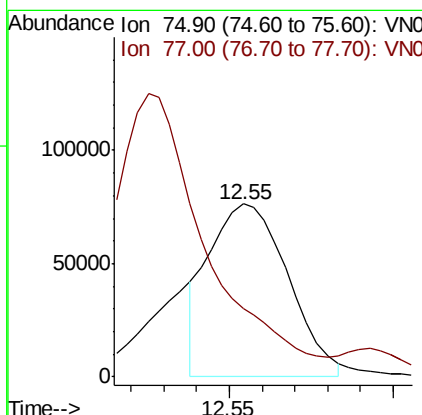
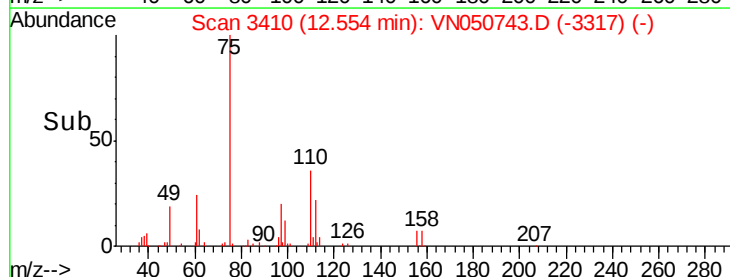
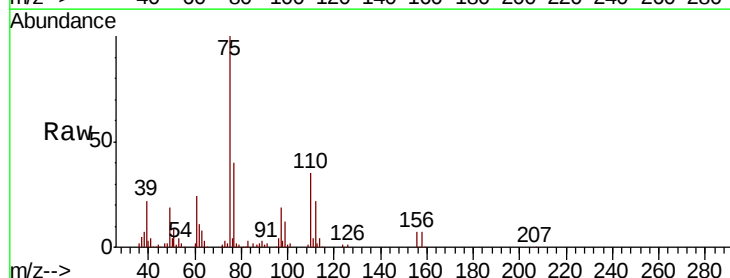
RT: 12.55 min Scan# 3410

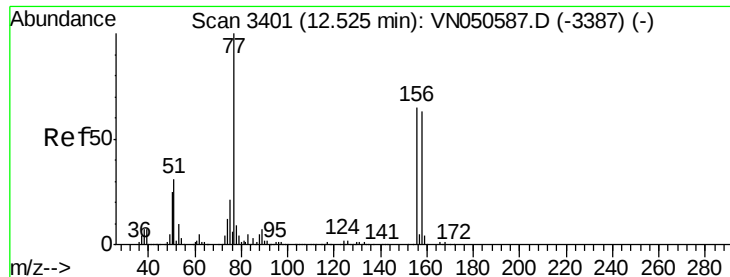
Delta R.T. 0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Tgt Ion:	75	Resp:	127559
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





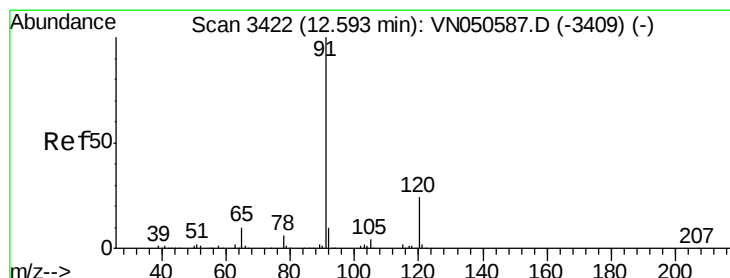
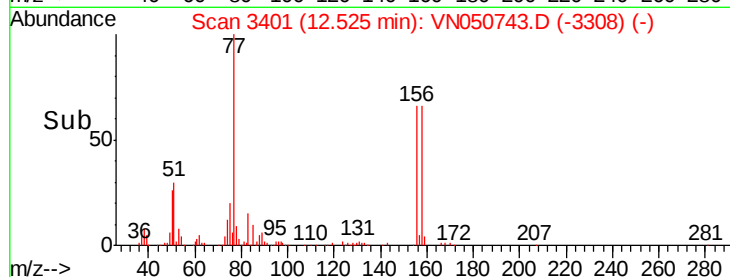
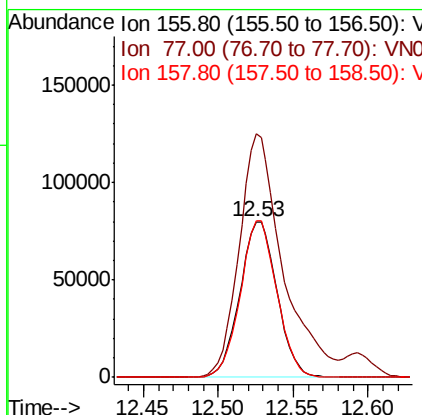
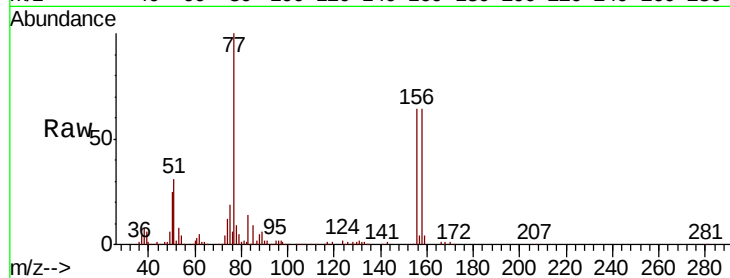
#77
Bromobenzene
Concen: 21.06 ug/l
RT: 12.53 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ratio	Lower	Upper
156	100		
77	184.6	89.0	267.1
158	98.6	48.5	145.6

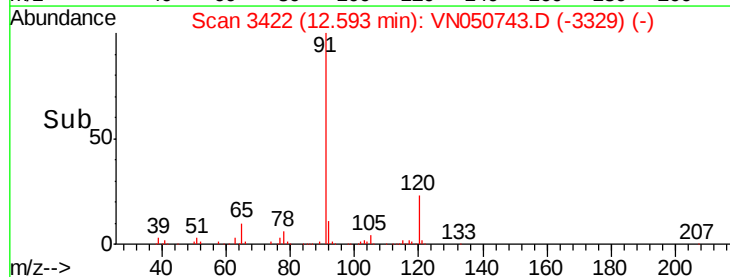
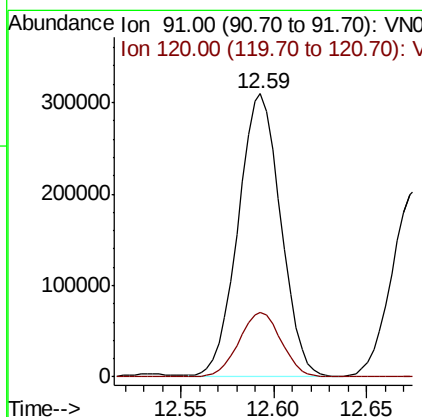
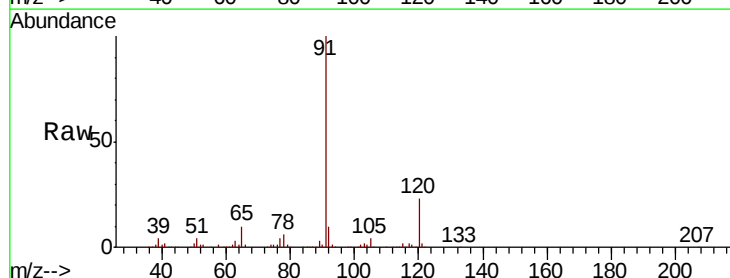
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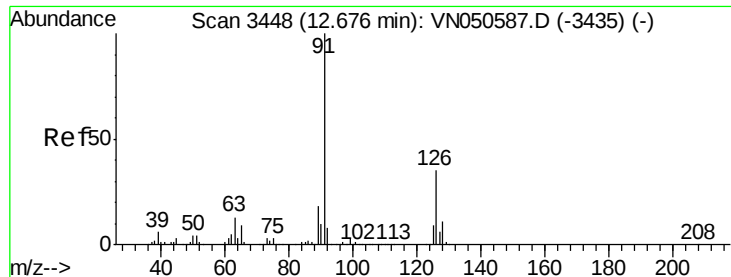
MMDadoda
8/20/2018 10:53:33 AM



#78
n-propylbenzene
Concen: 18.21 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.8	35.4





#79

2-Chlorotoluene

Concen: 20.05 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD03

Tot Ion: 91 Resp: 336835

Ion Ratio Lower Upper

91 100

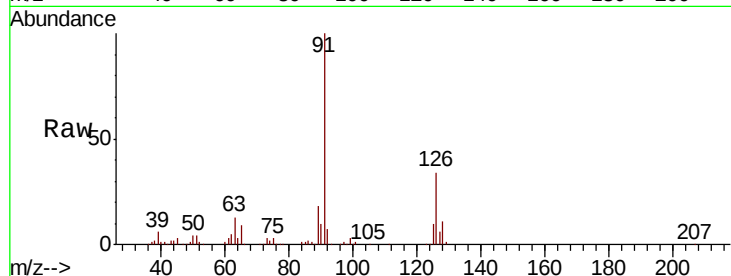
126 34.8 17.6 52.8

Manual Integrations

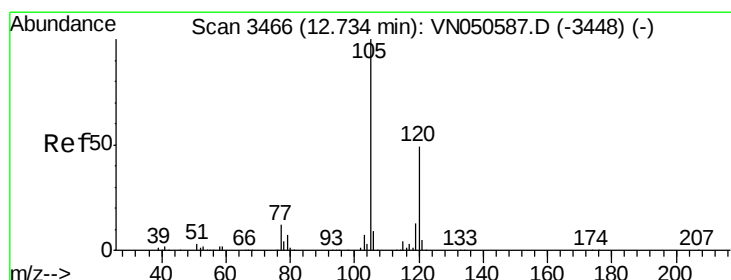
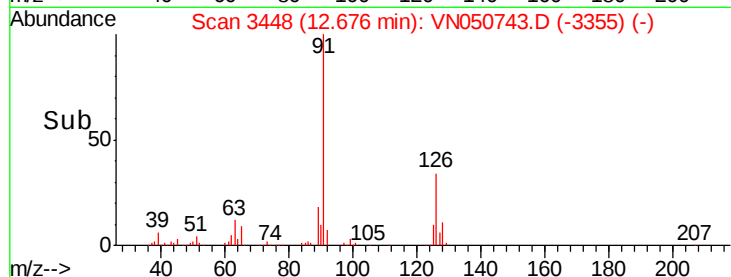
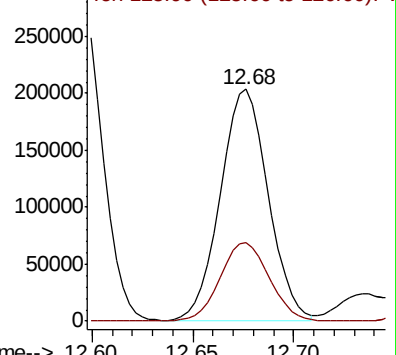
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Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.35 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050743.D

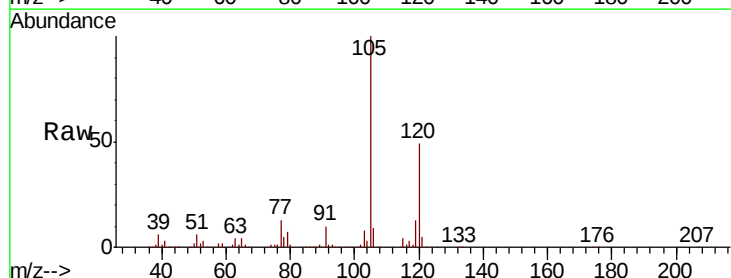
Acq: 18 Aug 2018 1:41

Tgt Ion: 105 Resp: 374333

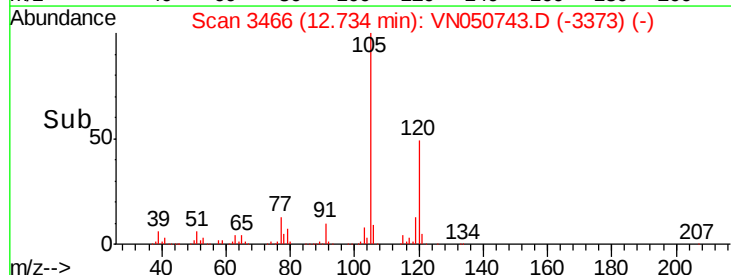
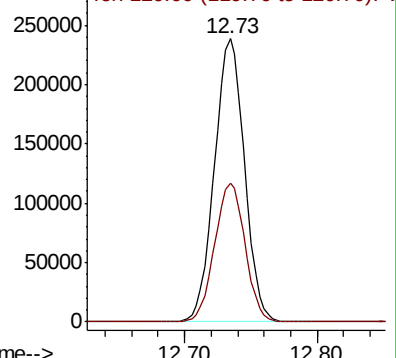
Ion Ratio Lower Upper

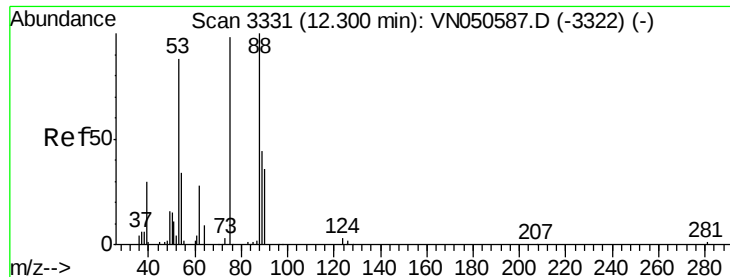
105 100

120 49.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN050587.D (-3448) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.87 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD03

Tot Ion: 75 Resp: 30423

Ion Ratio Lower Upper

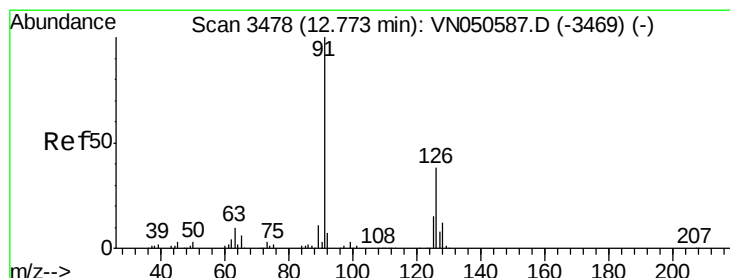
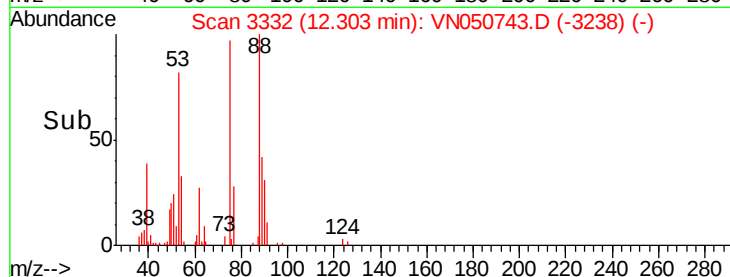
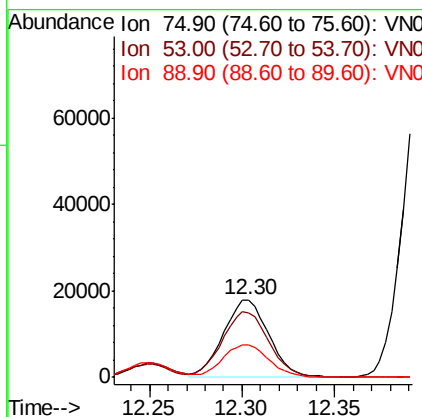
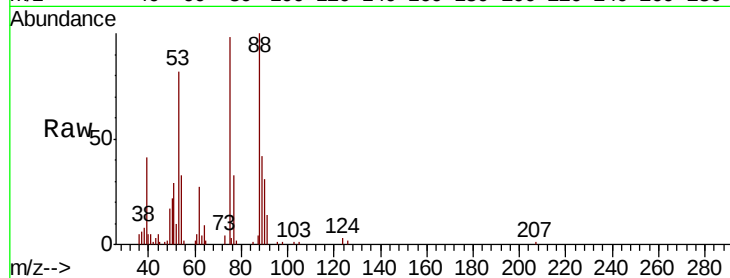
75 100

53 88.0 72.2 108.2

89 42.8 36.3 54.5

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#82

4-Chlorotoluene

Concen: 19.76 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050743.D

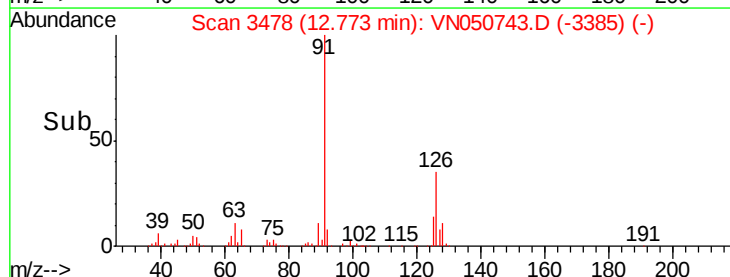
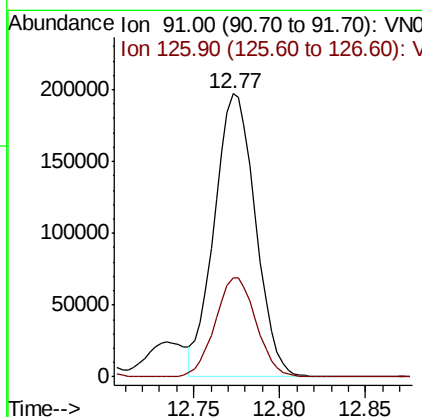
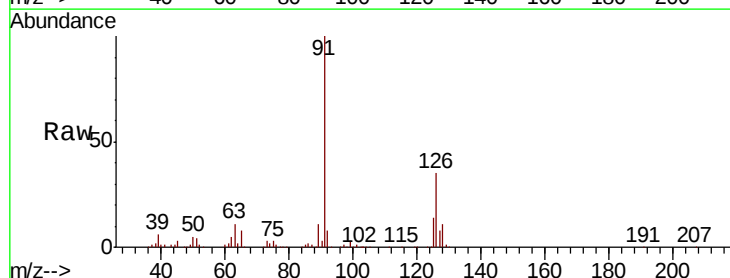
Acq: 18 Aug 2018 1:41

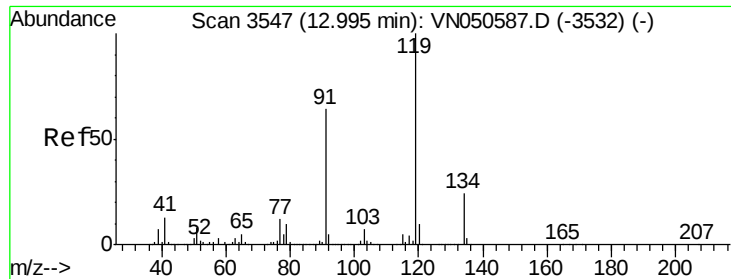
Tgt Ion: 91 Resp: 328027

Ion Ratio Lower Upper

91 100

126 34.9 17.3 52.0





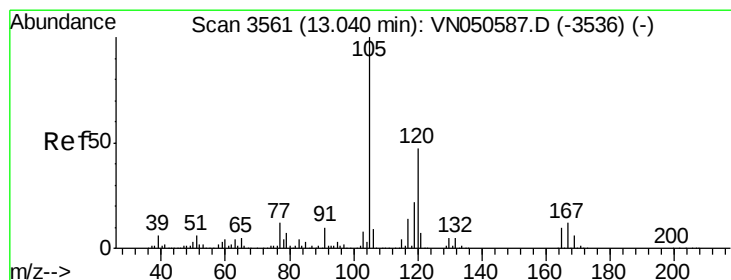
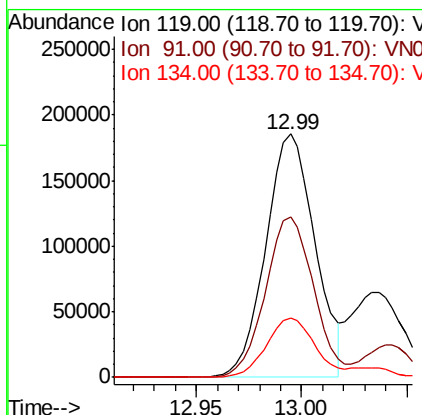
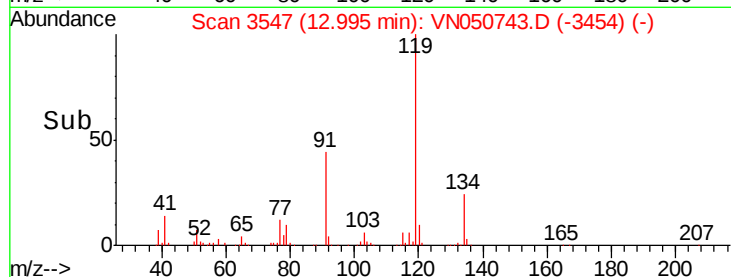
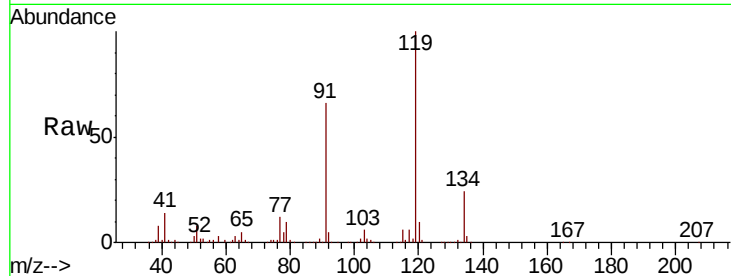
#83
tert-Butylbenzene
Concen: 17.95 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	301499		
91	64.5	32.2	96.6	
134	24.1	13.4	40.2	

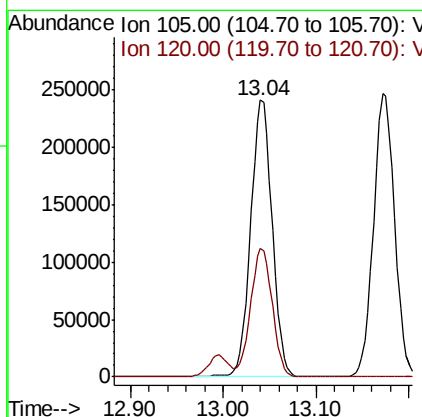
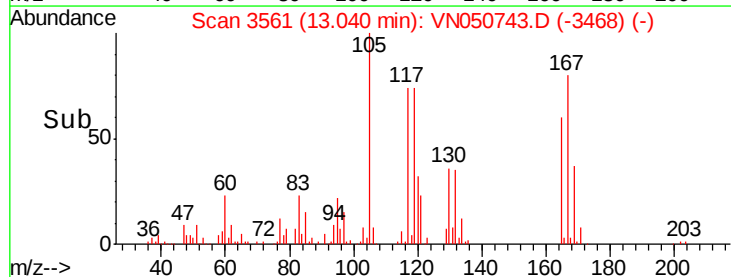
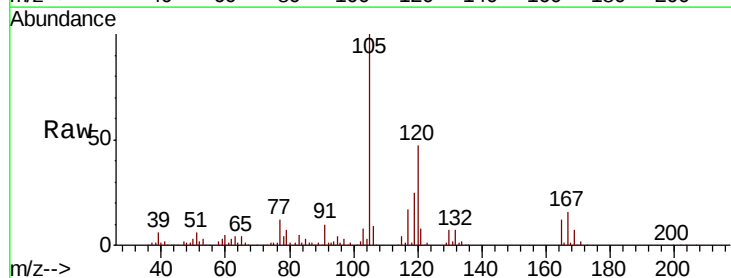
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 19.98 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	387917		
120	46.8	23.2	69.5	





#85

sec-Butylbenzene

Concen: 17.65 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD03

Tot Ion:105 Resp: 387422

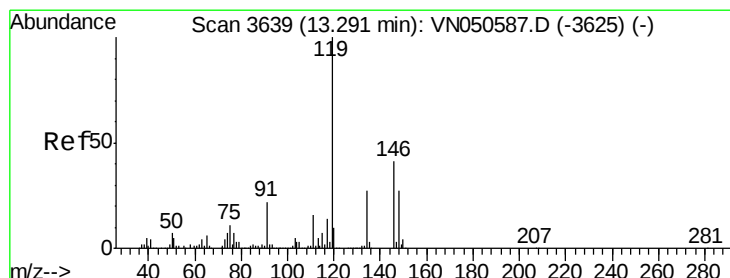
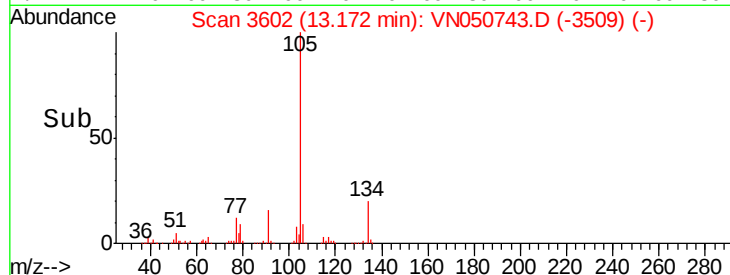
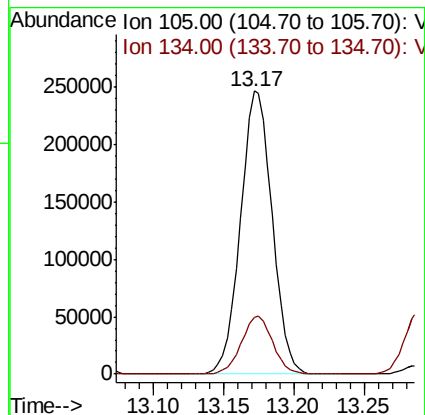
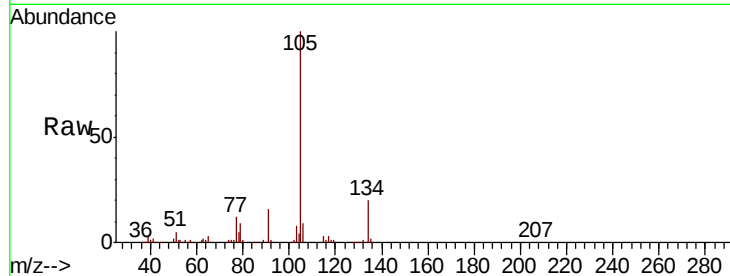
Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 17.80 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050743.D

Acq: 18 Aug 2018 1:41

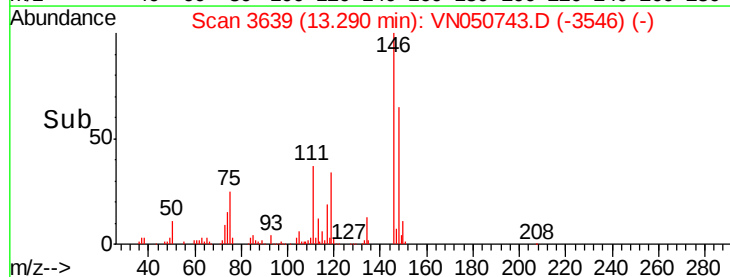
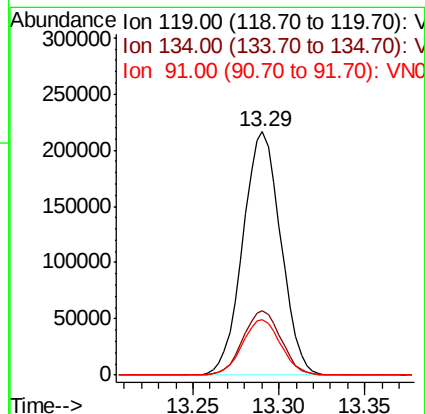
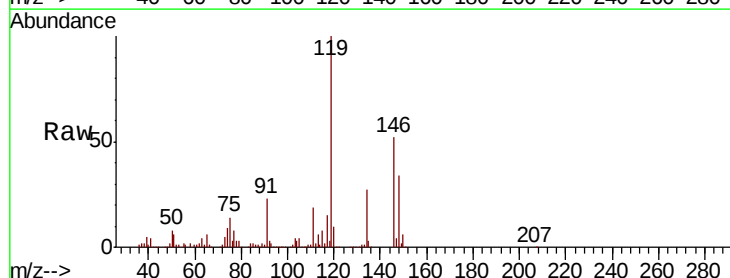
Tgt Ion:119 Resp: 330998

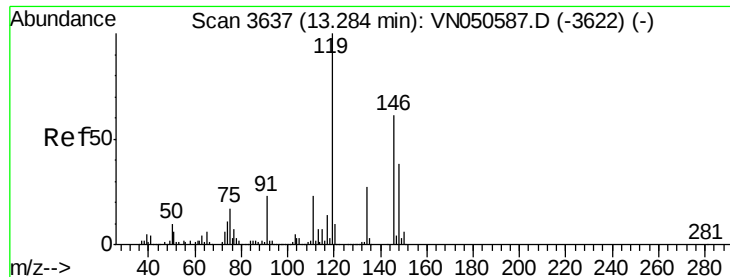
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 23.2 11.2 33.6





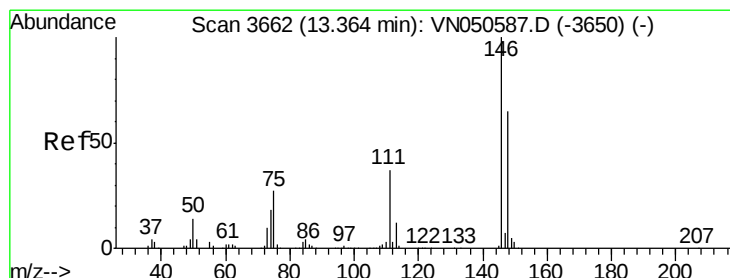
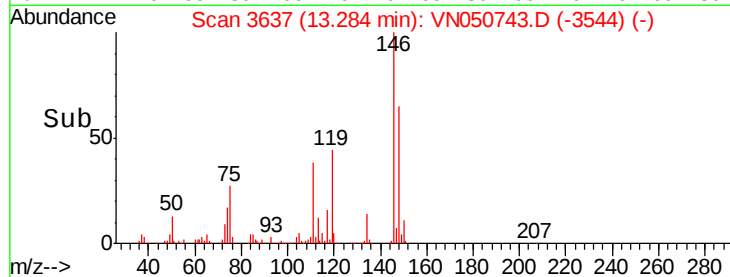
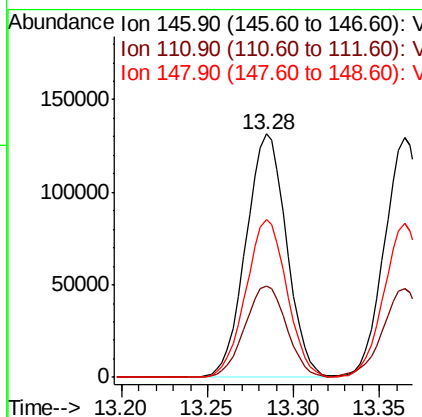
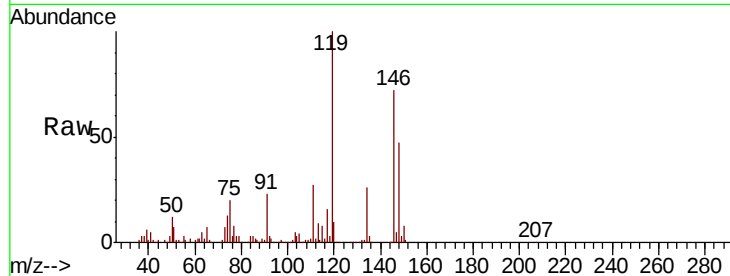
#87
 1,3-Dichlorobenzene
 Concen: 19.32 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050743.D
 Acq: 18 Aug 2018 1:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
146	100	215719		
111	38.6	19.2	57.6	
148	65.3	31.9	95.7	

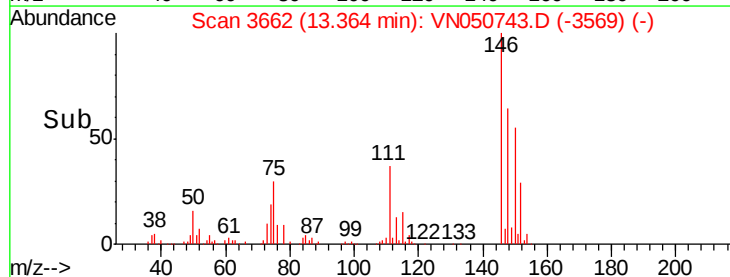
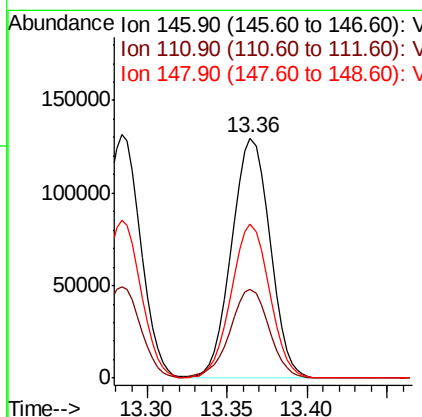
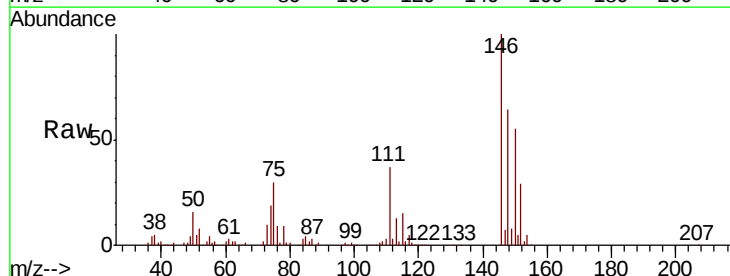
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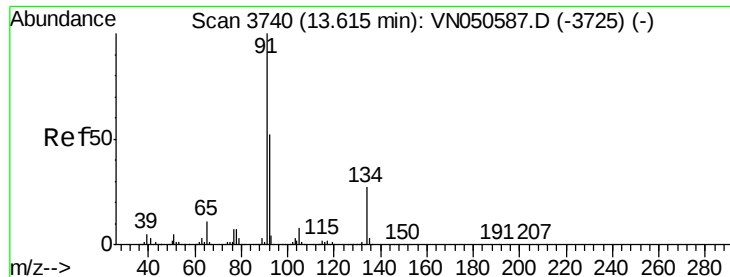
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#88
 1,4-Dichlorobenzene
 Concen: 19.15 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050743.D
 Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	212229		
111	37.9	18.8	56.4	
148	64.2	32.3	96.8	





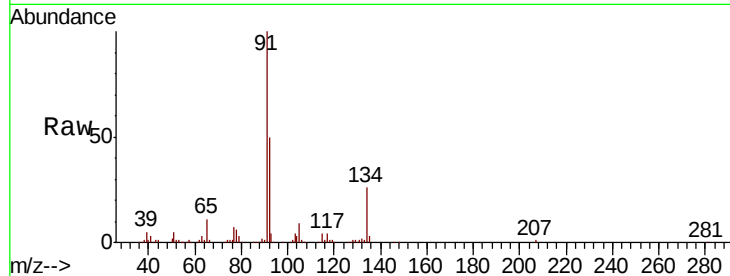
#89
n-Butylbenzene
Concen: 15.70 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	26.3	78.8
134	26.0	13.3	39.9

Manual Integrations
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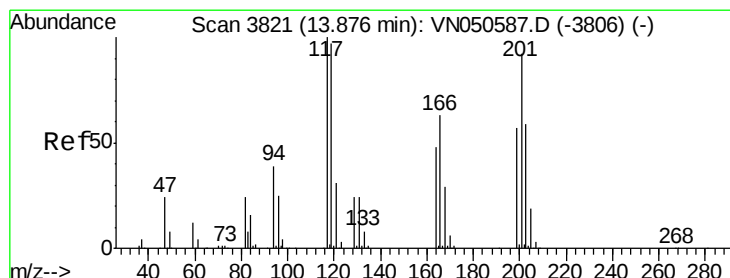
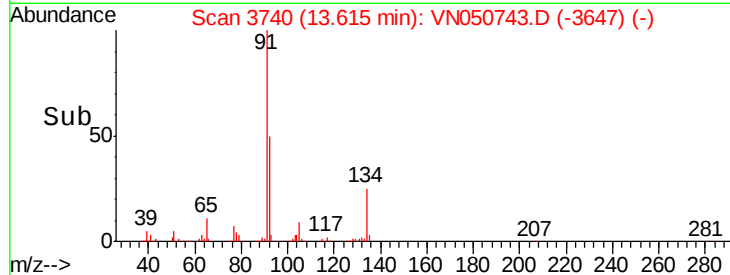
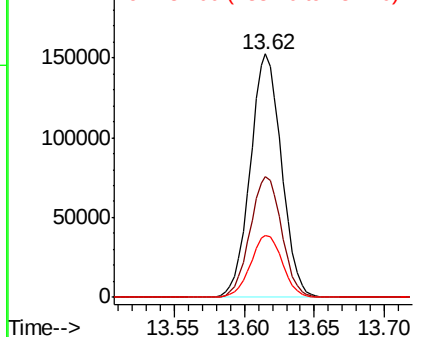


Abundance

Ion 91.00 (90.70 to 91.70): VN050587.D (-3725) (-)

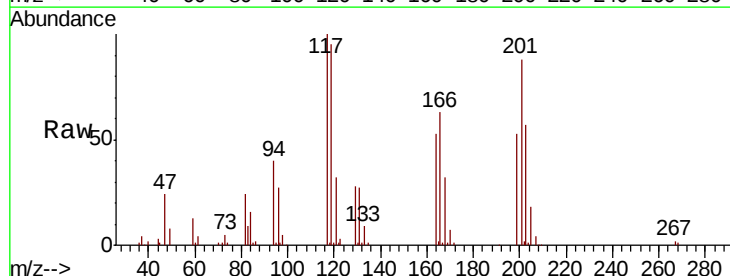
Ion 92.00 (91.70 to 92.70): VN050587.D (-3725) (-)

Ion 134.00 (133.70 to 134.70): VN050587.D (-3725) (-)



#90
Hexachloroethane
Concen: 17.36 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

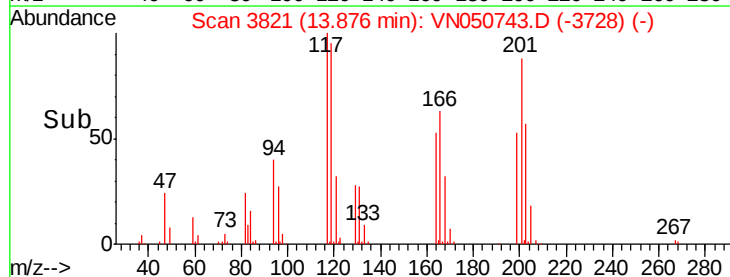
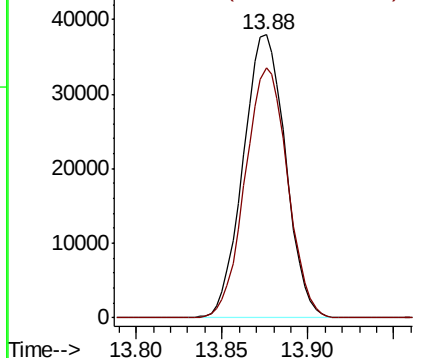
Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.2	45.5	136.5

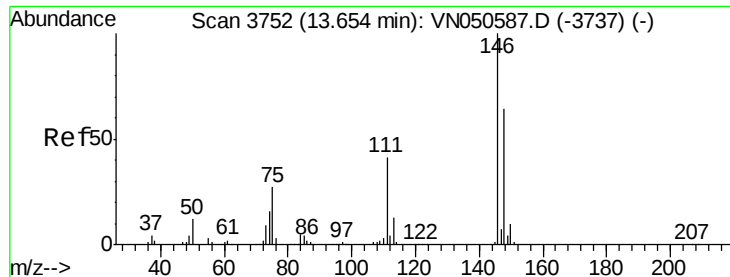


Abundance

Ion 116.80 (116.50 to 117.50): VN050587.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN050587.D (-3806) (-)





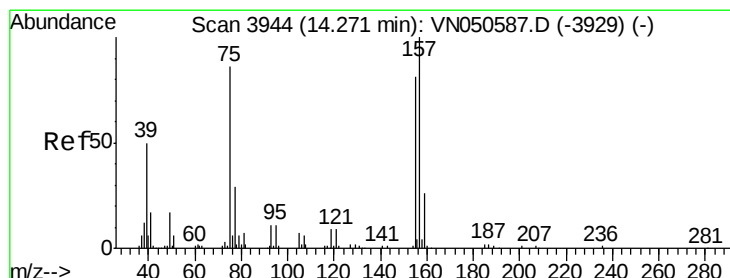
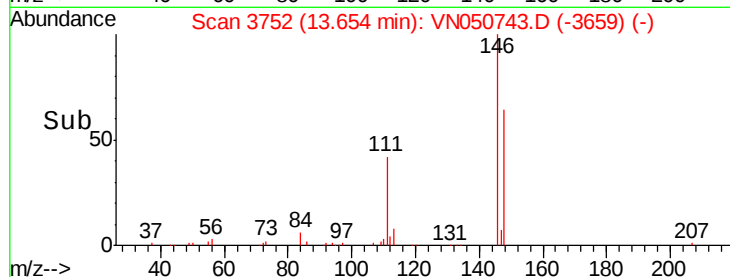
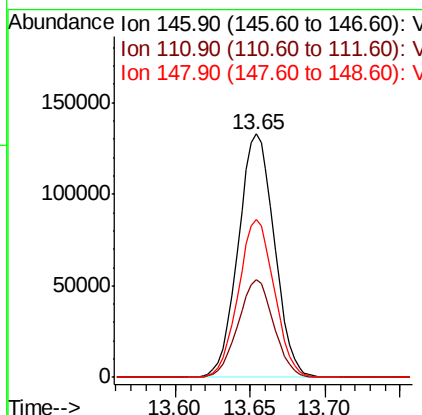
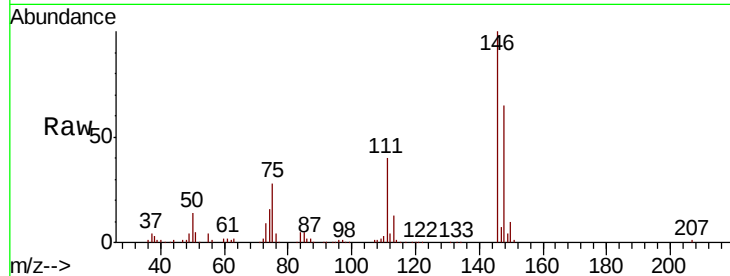
#91
 1,2-Dichlorobenzene
 Concen: 20.53 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050743.D
 Acq: 18 Aug 2018 1:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0817WBSD03

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.4
148	64.4	32.3	96.8

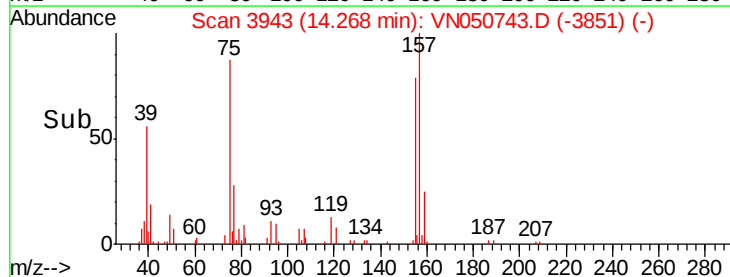
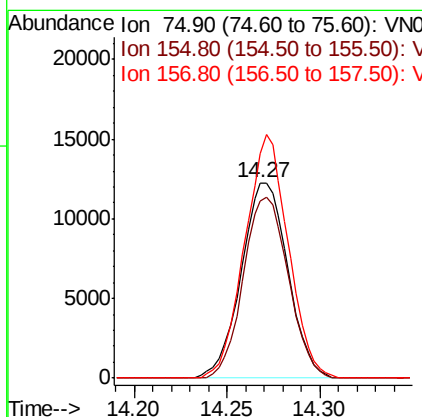
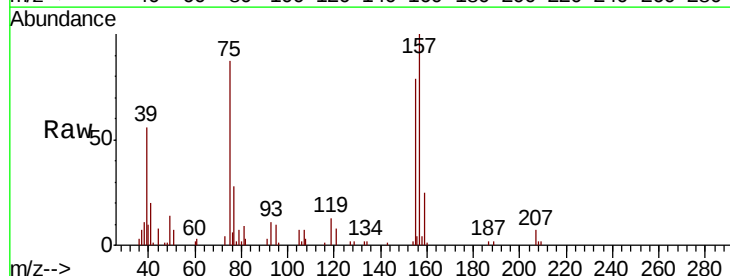
Manual Integrations
 APPROVED

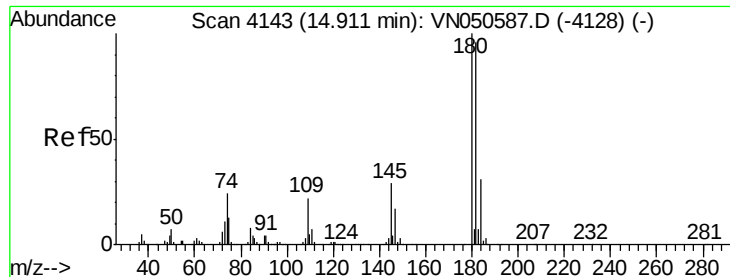
MMDadoda
 8/20/2018 10:53:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.72 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050743.D
 Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.4	46.6	139.8
157	116.2	58.1	174.2





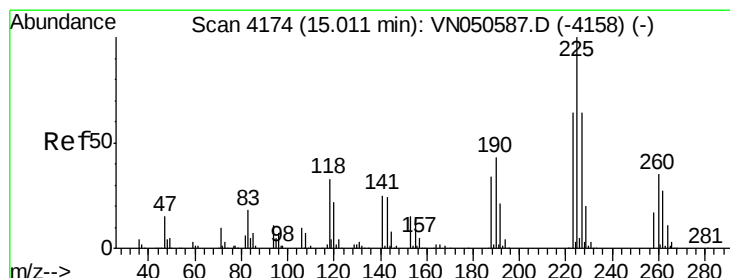
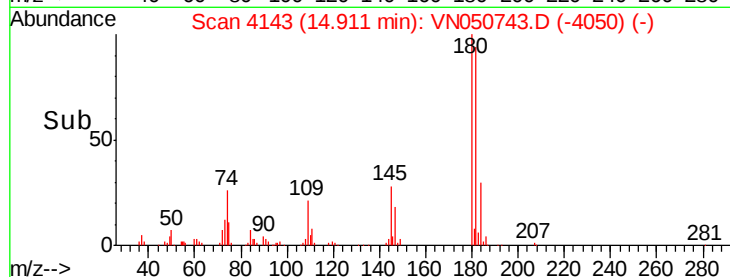
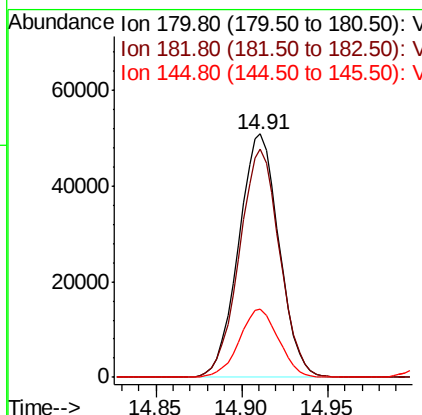
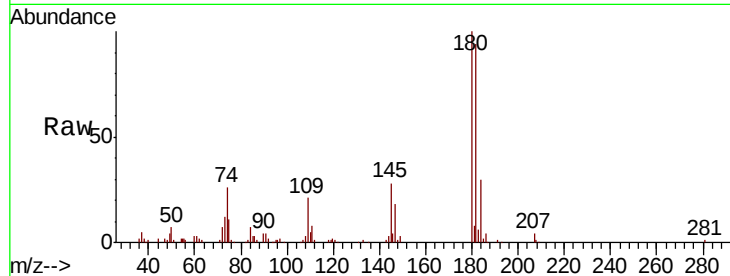
#93
 1,2,4-Trichlorobenzene
 Concen: 16.75 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050743.D
 Acq: 18 Aug 2018 1:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.4	47.9	143.7	
145	27.2	14.4	43.4	

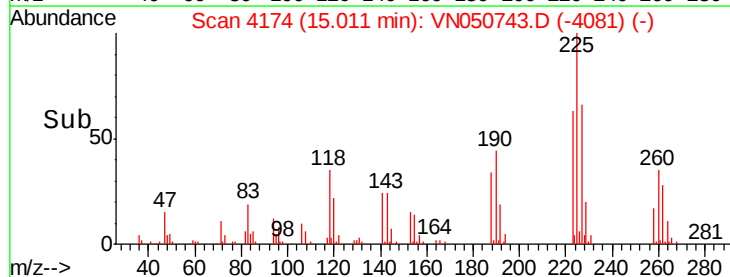
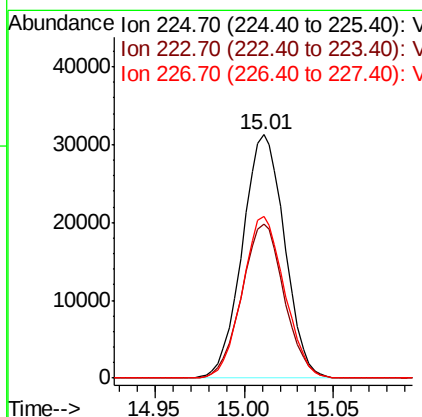
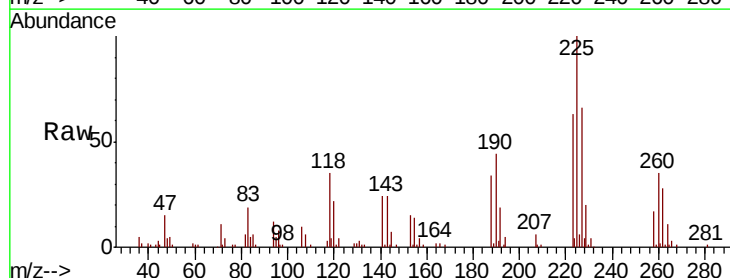
Manual Integrations
 APPROVED

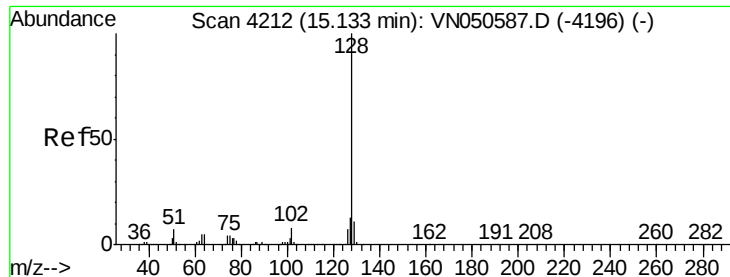
MMDadoda
 8/20/2018 10:53:33 AM



#94
 Hexachlorobutadiene
 Concen: 15.50 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050743.D
 Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	32.1	96.3	
227	66.1	32.0	96.2	





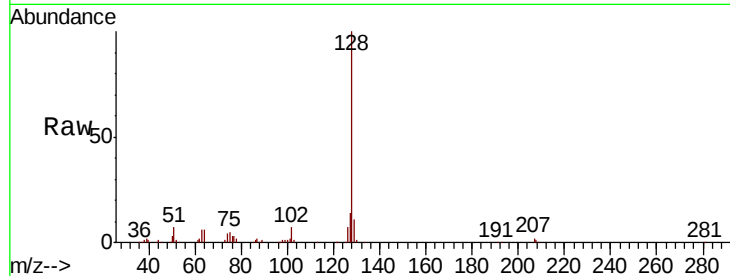
#95
Naphthalene
Concen: 18.02 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
128	100	182481		
127	13.2	10.3	15.5	
129	11.5	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:33 AM

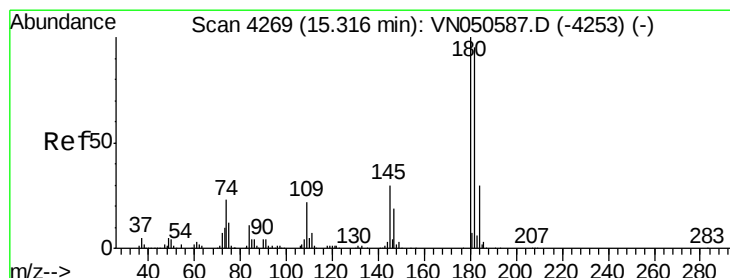
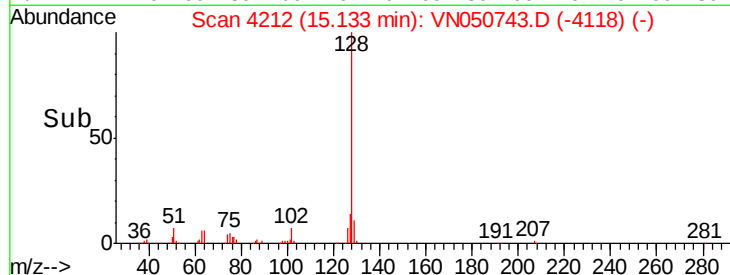
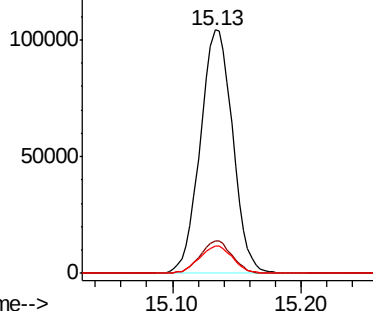


Abundance

Ion 128.00 (127.70 to 128.70): V

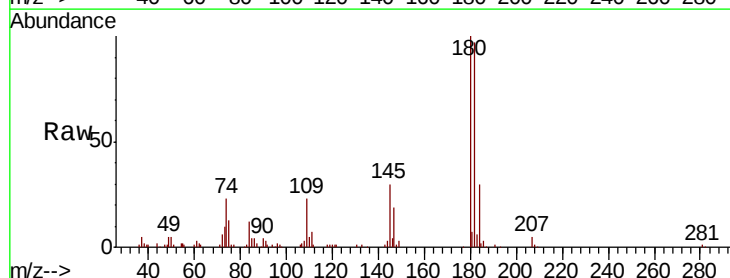
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.27 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050743.D
Acq: 18 Aug 2018 1:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88747		
182	97.8	47.3	141.8	
145	30.2	14.6	44.0	



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

