

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050772.D
 Acq On : 20 Aug 2018 14:21
 Operator : MD\SY
 Sample : VN0820WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 2:13:24 PM

Quant Time: Aug 21 03:56:45 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	639183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	930593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	832545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	391045	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	397650	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
35) Dibromofluoromethane	7.59	113	375151	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	10.09	98	1406431	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	435749	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	123935	17.20	ug/l	100
3) Chloromethane	2.06	50	166349	18.63	ug/l	99
4) Vinyl Chloride	2.19	62	166878	17.43	ug/l	100
5) Bromomethane	2.56	94	99778	18.06	ug/l	99
6) Chloroethane	2.70	64	103020	18.36	ug/l	100
7) Trichlorofluoromethane	3.01	101	223478	17.79	ug/l	97
8) Diethyl Ether	3.41	74	75814	18.15	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141995	18.69	ug/l	99
10) Methyl Iodide	3.95	142	87315	20.87	ug/l	99
11) Tert butyl alcohol	4.80	59	42245	96.03	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	124166	17.90	ug/l	98
13) Acrolein	3.61	56	33406	197.19	ug/l	100
14) Allyl chloride	4.33	41	197168	18.28	ug/l	99
15) Acrylonitrile	4.99	53	229372	94.93	ug/l	98
16) Acetone	3.82	43	204090	100.58	ug/l	99
17) Carbon Disulfide	4.05	76	367342	16.83	ug/l	99
18) Methyl Acetate	4.33	43	121385	20.87	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	337034	19.09	ug/l	99
20) Methylene Chloride	4.55	84	153026	19.20	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	135749	18.05	ug/l	97
22) Diisopropyl ether	5.96	45	439365	19.86	ug/l	98
23) Vinyl Acetate	5.90	43	1366869	94.47	ug/l	99
24) 1,1-Dichloroethane	5.85	63	261482	18.27	ug/l	99
25) 2-Butanone	6.84	43	317854	96.22	ug/l	99
26) 2,2-Dichloropropane	6.82	77	207842	21.70	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	156432	18.68	ug/l	99
28) Bromochloromethane	7.20	49	127330	19.55	ug/l	100
29) Tetrahydrofuran	7.22	42	164603	95.43	ug/l	99
30) Chloroform	7.37	83	268109	18.49	ug/l	99
31) Cyclohexane	7.66	56	226460	18.32	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	223631	18.32	ug/l	100
36) 1,1-Dichloropropene	7.80	75	197169	19.03	ug/l	99
37) Ethyl Acetate	6.93	43	117949	20.14	ug/l	98
38) Carbon Tetrachloride	7.78	117	200844	18.69	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	199043	18.56	ug/l	97
40) Benzene	8.04	78	607395	19.27	ug/l	100
41) Methacrylonitrile	7.19	41	66291m	20.94	ug/l	
42) 1,2-Dichloroethane	8.13	62	186037	19.26	ug/l	100
43) Isopropyl Acetate	8.17	43	207110	19.41	ug/l	100
44) Trichloroethene	8.84	130	156465	18.53	ug/l	100
45) 1,2-Dichloropropane	9.12	63	161915	19.30	ug/l	99
46) Dibromomethane	9.21	93	92648	18.70	ug/l	98
47) Bromodichloromethane	9.40	83	200136	18.90	ug/l	100
48) Methyl methacrylate	9.20	41	98550	18.35	ug/l	99
49) 1,4-Dioxane	9.20	88	26232	370.83	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	715819	99.18	ug/l	100
52) Toluene	10.16	92	368845	19.60	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	189097	19.17	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	227727	20.13	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	134376	19.12	ug/l	99
56) Ethyl methacrylate	10.43	69	153882	18.41	ug/l	99
57) 1,3-Dichloropropane	10.71	76	225528	19.57	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	367147	92.33	ug/l	100
59) 2-Hexanone	10.75	43	452305	97.10	ug/l	99
60) Dibromochloromethane	10.90	129	150237	19.37	ug/l	99
61) 1,2-Dibromoethane	11.01	107	129998	19.42	ug/l	98
64) Tetrachloroethene	10.63	164	143372	18.54	ug/l	98
65) Chlorobenzene	11.43	112	398261	19.22	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	151272	19.48	ug/l	99
67) Ethyl Benzene	11.51	91	651099	19.46	ug/l	100
68) m/p-Xylenes	11.62	106	512585	40.06	ug/l	100
69) o-Xylene	11.95	106	240183	19.69	ug/l	99
70) Styrene	11.96	104	385956	18.39	ug/l	100
71) Bromoform	12.13	173	100512	19.52	ug/l #	100
73) Isopropylbenzene	12.25	105	638877	20.91	ug/l	98
74) N-amyl acetate	12.07	43	152076	19.13	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	164891	21.94	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	138331m	21.31	ug/l	
77) Bromobenzene	12.53	156	165083	19.90	ug/l	99
78) n-propylbenzene	12.59	91	712037	20.90	ug/l	100
79) 2-Chlorotoluene	12.67	91	436868	20.57	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	519662	21.24	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35783	20.34	ug/l	96
82) 4-Chlorotoluene	12.77	91	432249	20.59	ug/l	100
83) tert-Butylbenzene	12.99	119	440291	20.73	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	533975	21.75	ug/l	99
85) sec-Butylbenzene	13.17	105	584872	21.08	ug/l	100
86) p-Isopropyltoluene	13.29	119	500815	21.30	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	279621	19.80	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	268519	19.16	ug/l	100
89) n-Butylbenzene	13.62	91	367816	19.37	ug/l	99
90) Hexachloroethane	13.87	117	92139	19.49	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	274674	19.94	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20779	19.06	ug/l	95

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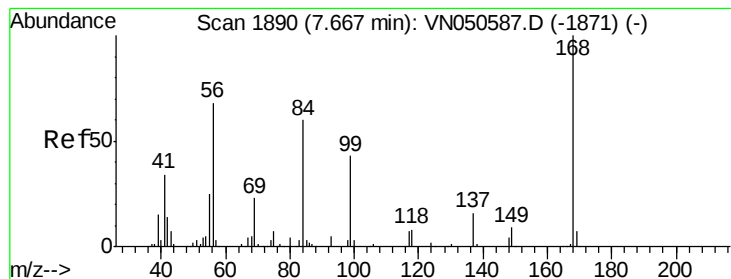
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	104665	16.69	ug/l	100
94) Hexachlorobutadiene	15.01	225	81851	19.38	ug/l	99
95) Naphthalene	15.13	128	194355	15.78	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	107875	17.64	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion:168 Resp: 639183

Ion Ratio Lower Upper

168 100

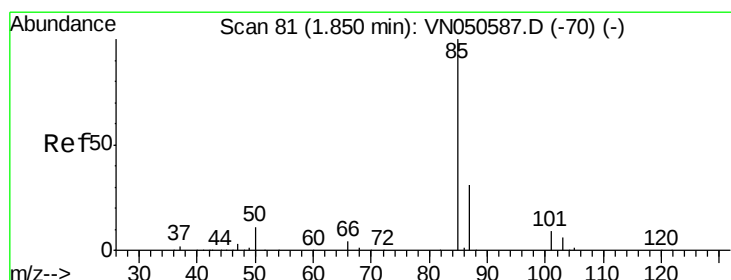
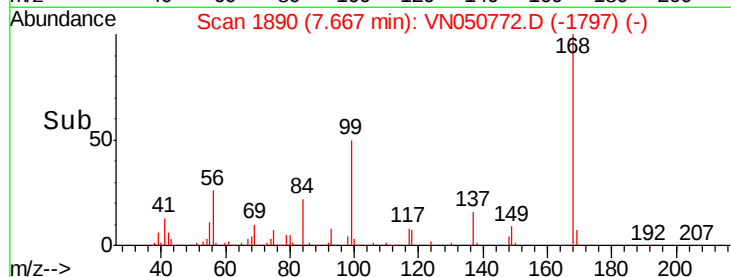
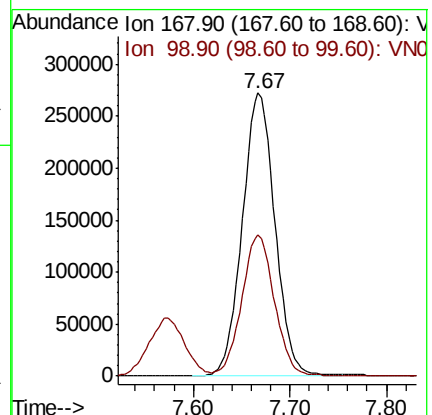
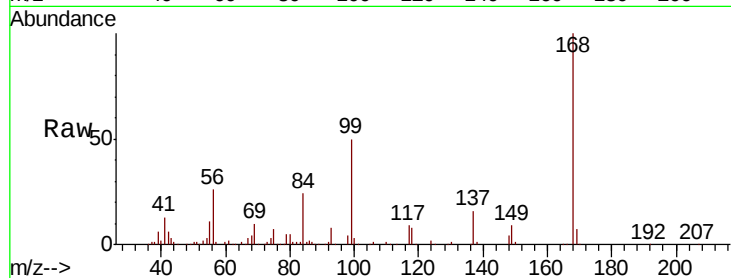
99 49.4 40.8 61.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 17.20 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050772.D

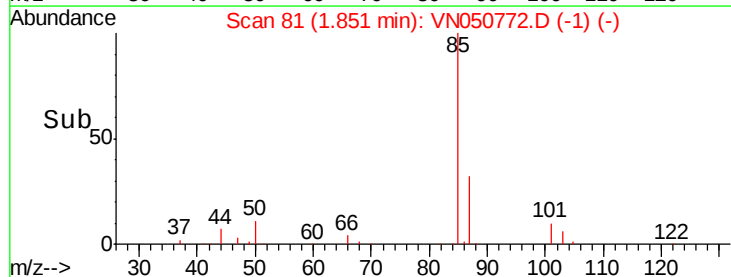
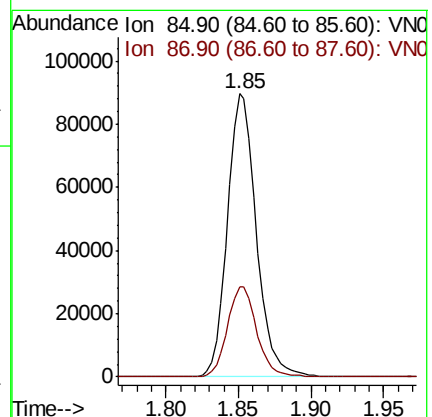
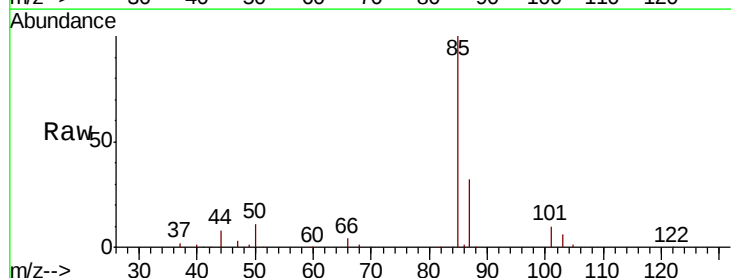
Acq: 20 Aug 2018 14:21

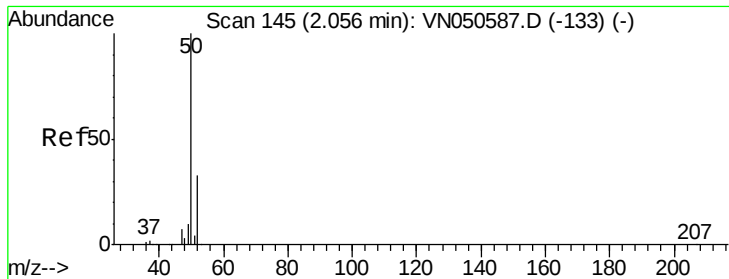
Tgt Ion: 85 Resp: 123935

Ion Ratio Lower Upper

85 100

87 31.7 15.8 47.3





#3

Chloromethane

Concen: 18.63 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion: 50 Resp: 166349

Ion Ratio Lower Upper

50 100

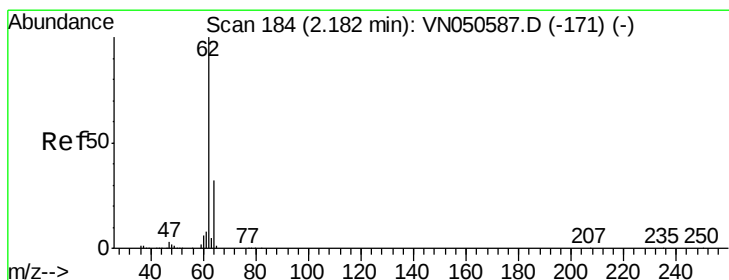
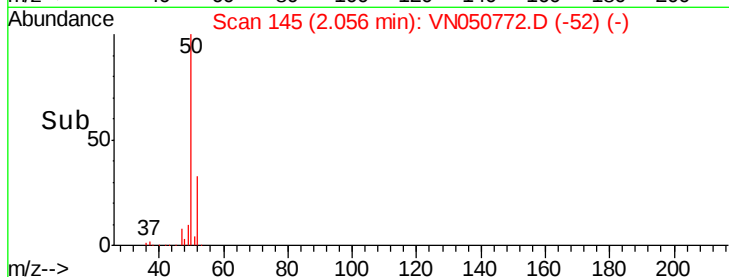
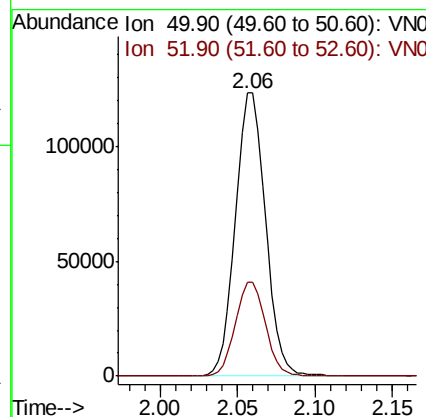
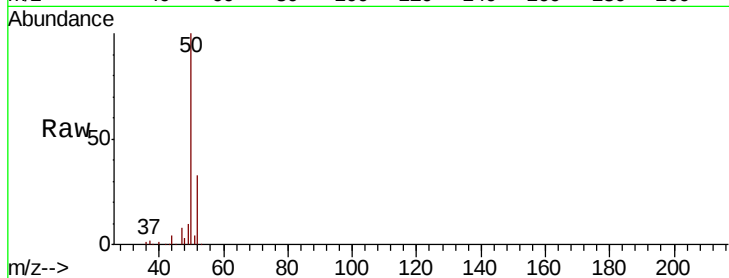
52 33.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.43 ug/l

RT: 2.19 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050772.D

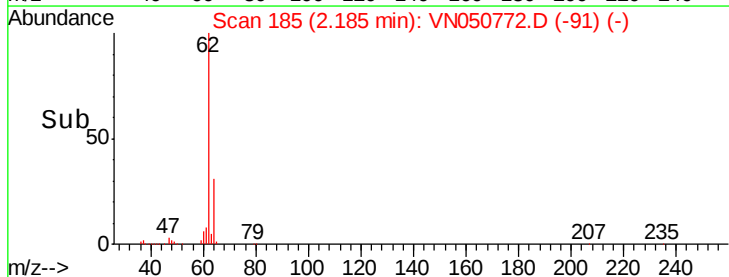
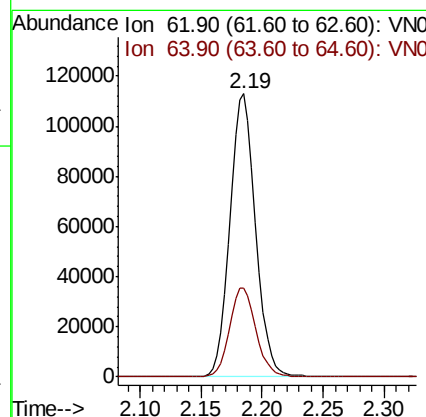
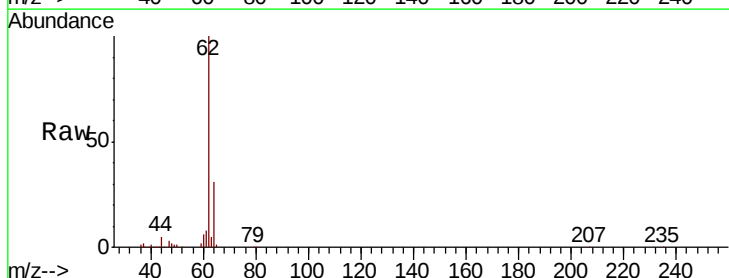
Acq: 20 Aug 2018 14:21

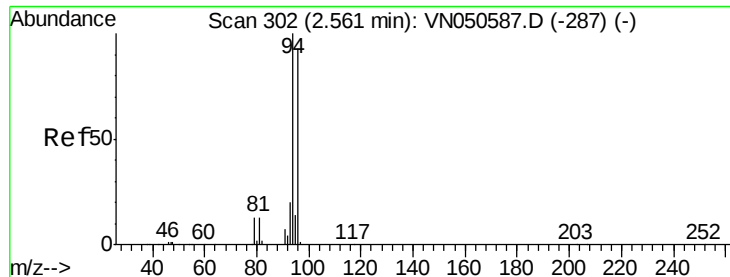
Tgt Ion: 62 Resp: 166878

Ion Ratio Lower Upper

62 100

64 31.4 25.2 37.8





#5

Bromomethane

Concen: 18.06 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion: 94 Resp: 99778

Ion Ratio Lower Upper

94 100

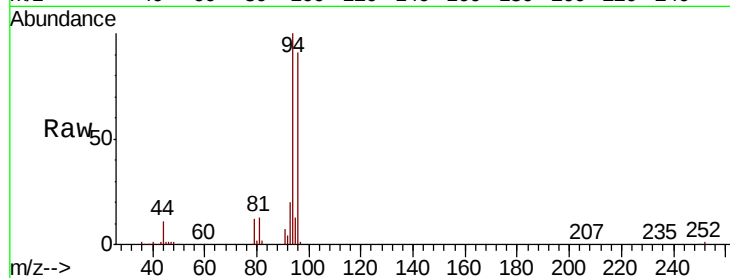
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Manual Integrations

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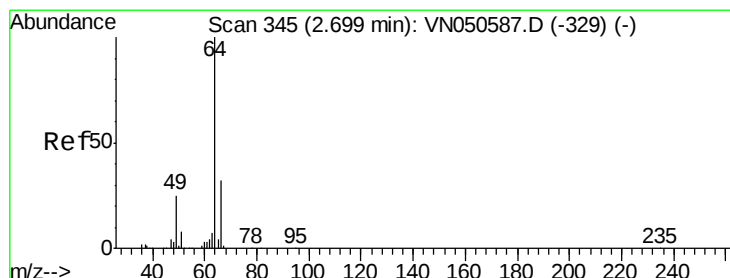
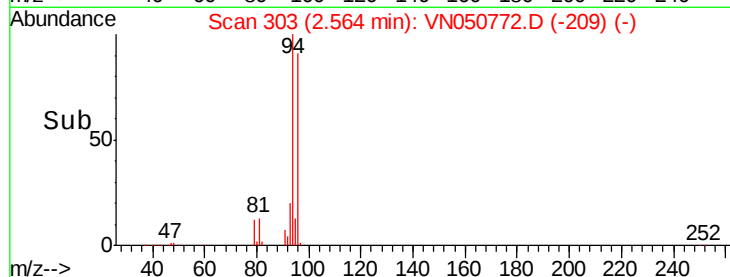
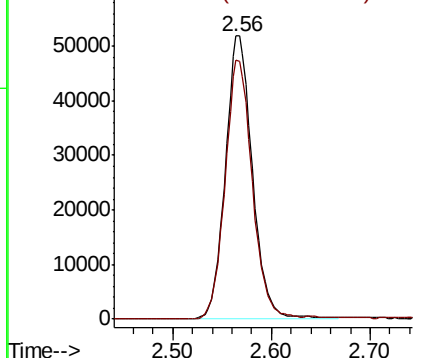
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.36 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050772.D

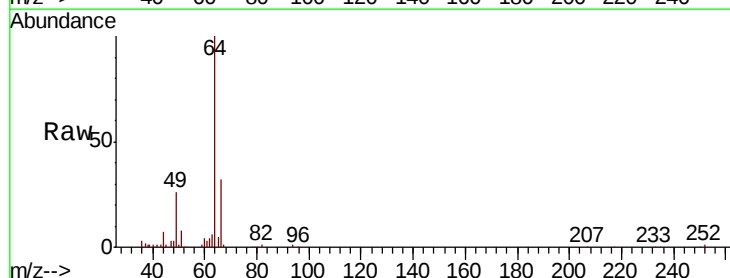
Acq: 20 Aug 2018 14:21

Tgt Ion: 64 Resp: 103020

Ion Ratio Lower Upper

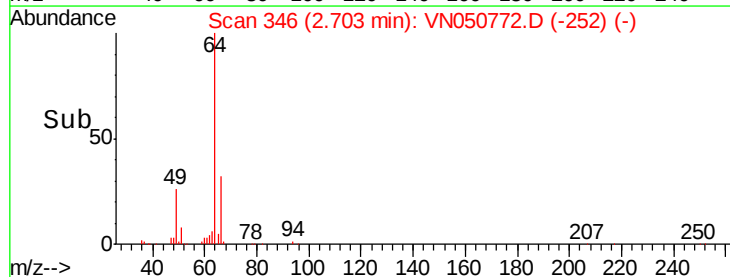
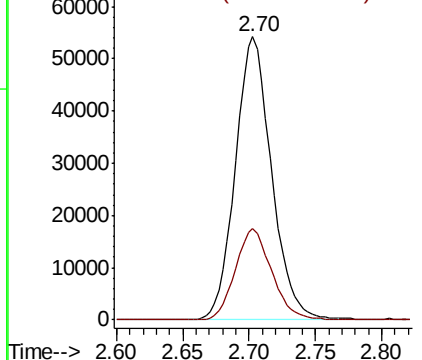
64 100

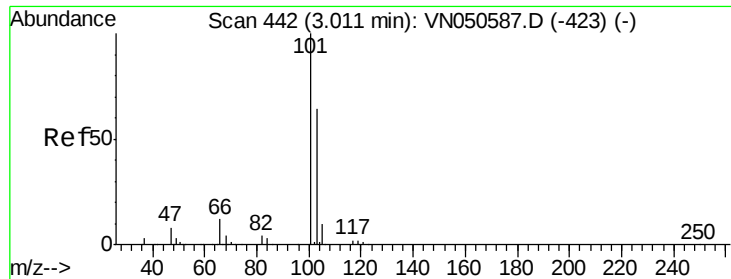
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

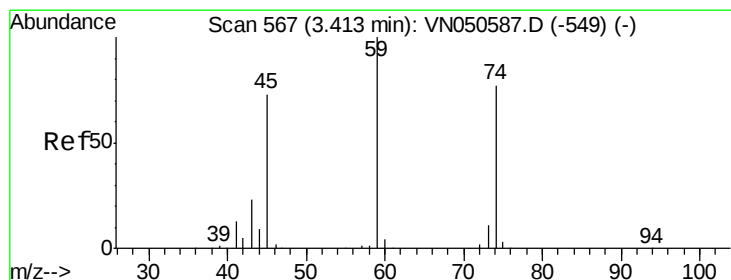
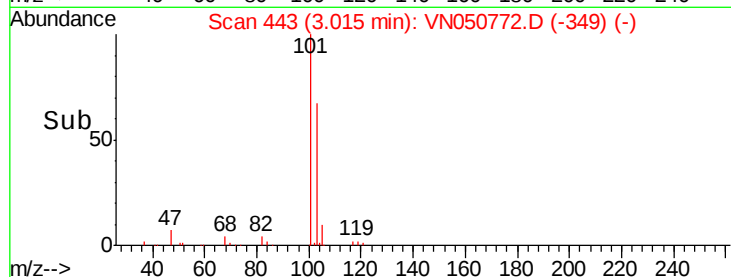
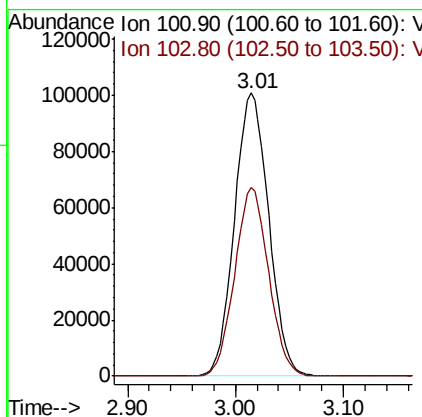
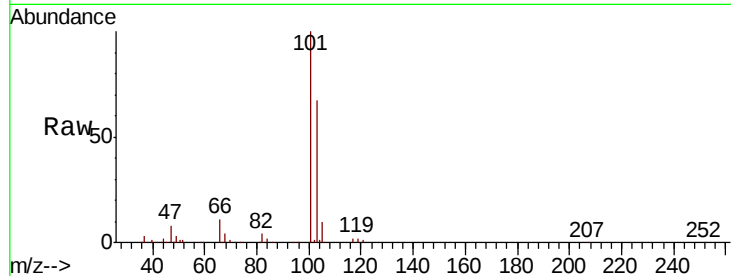
Trichlorofluoromethane
 Concen: 17.79 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Instrument :
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 VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.4	77.0

Manual Integrations
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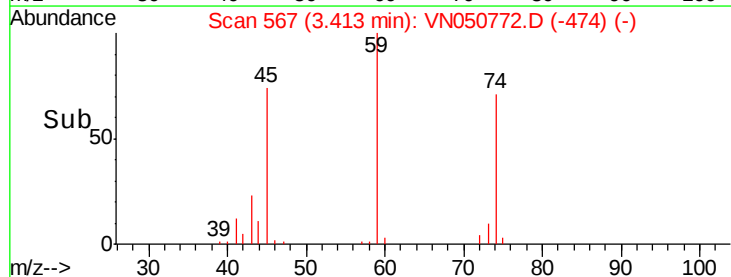
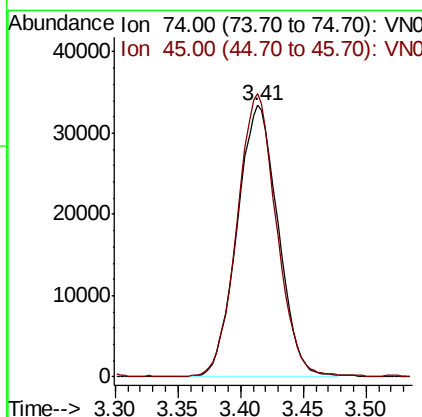
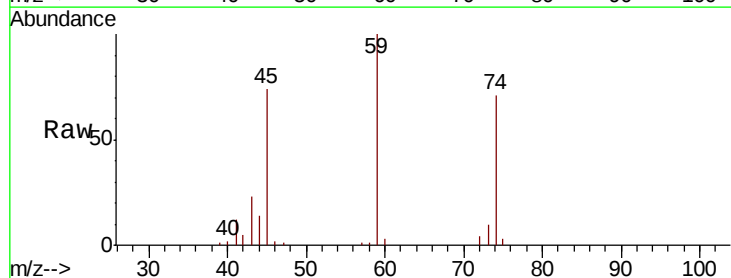
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 8/21/2018 2:13:24 PM

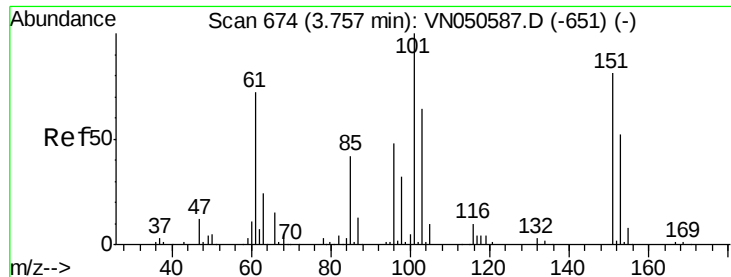


#8

Diethyl Ether
 Concen: 18.15 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.69 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

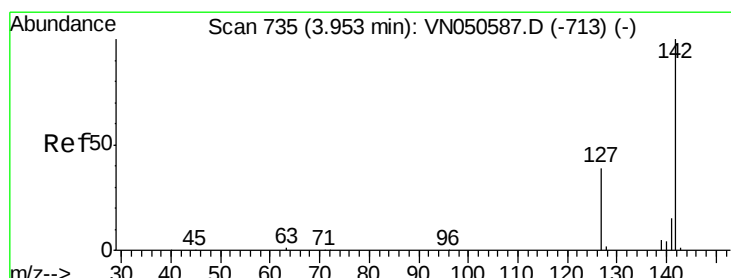
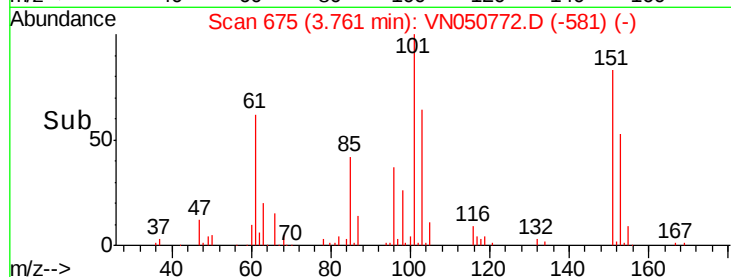
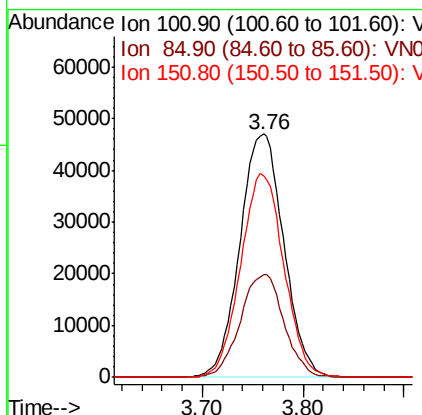
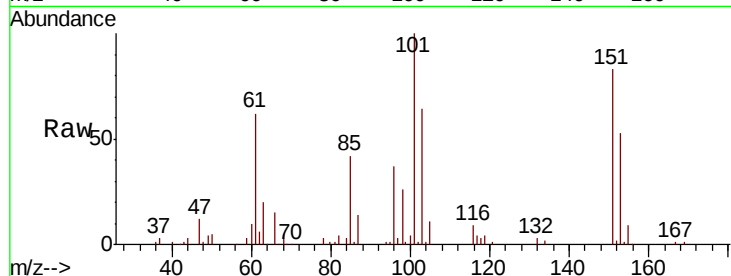
ClientSampleId :

VN0820WBSD02

Tot Ion:	101	Resp:	141995
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.4	50.0
151	82.4	66.6	100.0

Manual Integrations
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#10

Methyl Iodide

Concen: 20.87 ug/l

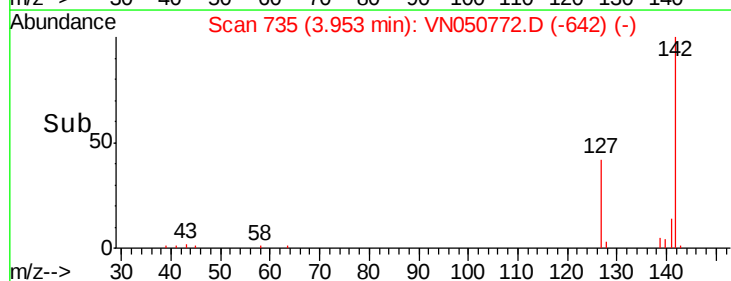
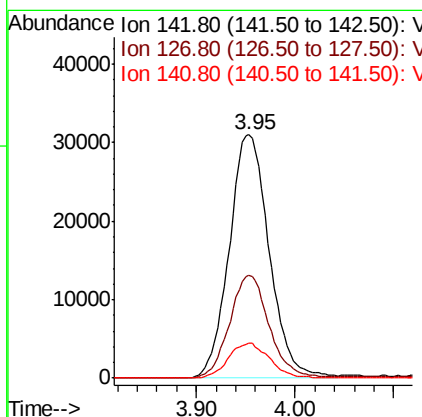
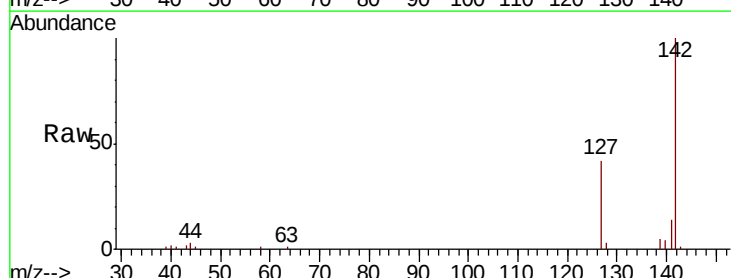
RT: 3.95 min Scan# 735

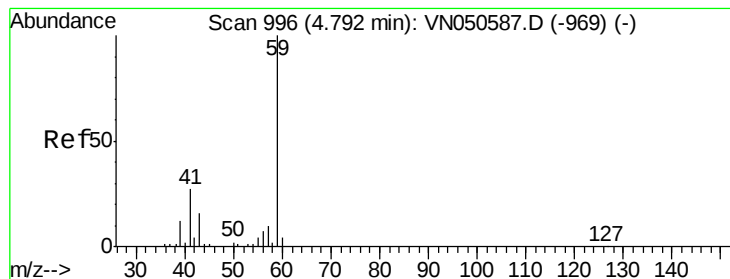
Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Tgt Ion:	142	Resp:	87315
Ion Ratio	Lower	Upper	
142	100		
127	41.8	32.6	49.0
141	14.7	11.5	17.3





#11

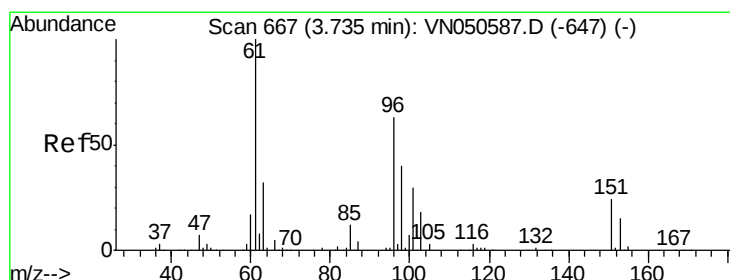
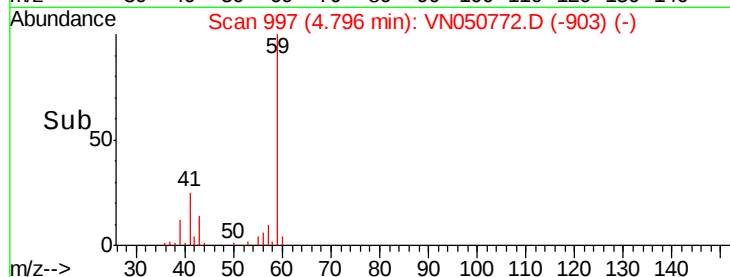
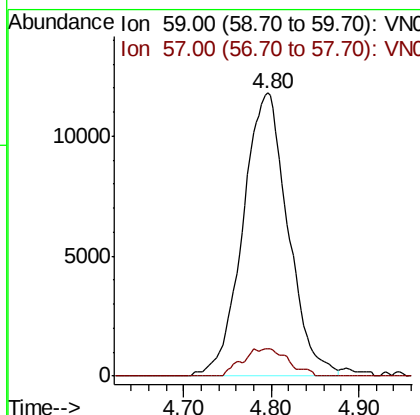
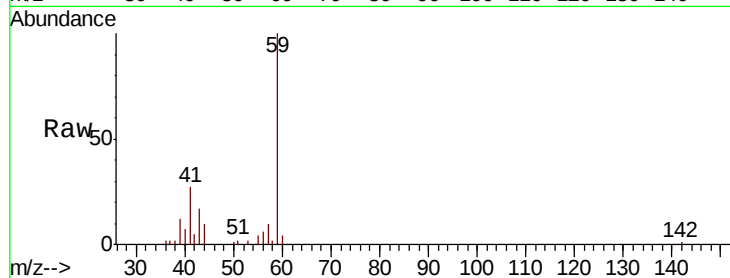
Tert butyl alcohol
Concen: 96.03 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampled :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

Manual Integrations
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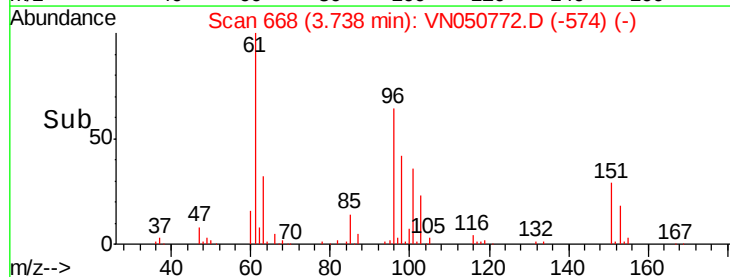
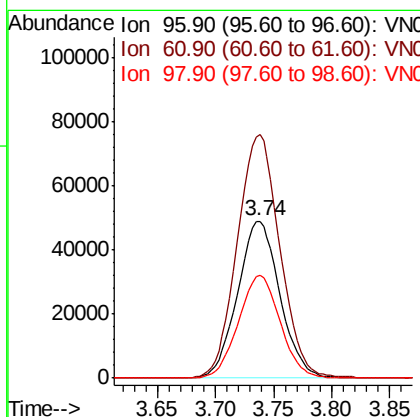
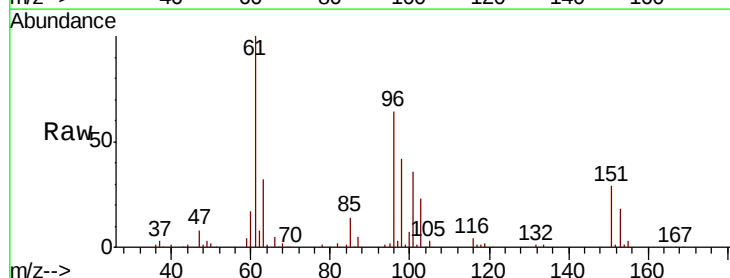
MMDadoda
8/21/2018 2:13:24 PM

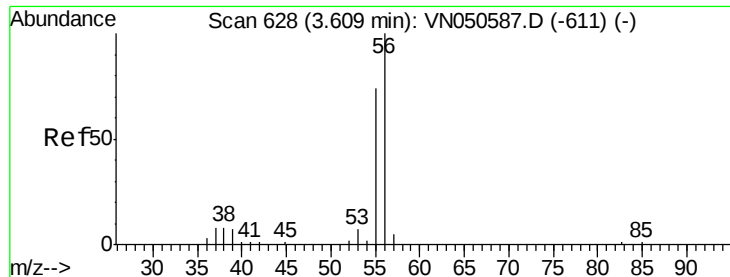


#12

1,1-Dichloroethene
Concen: 17.90 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.5	126.9	190.3
98	65.7	51.1	76.7





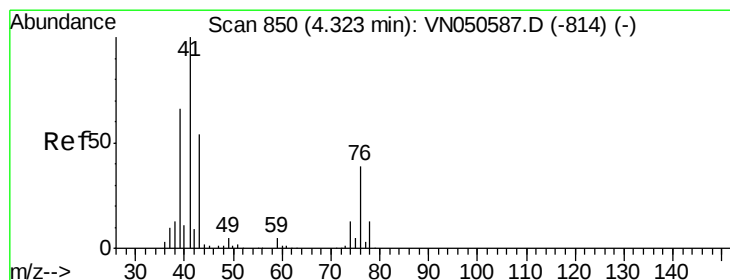
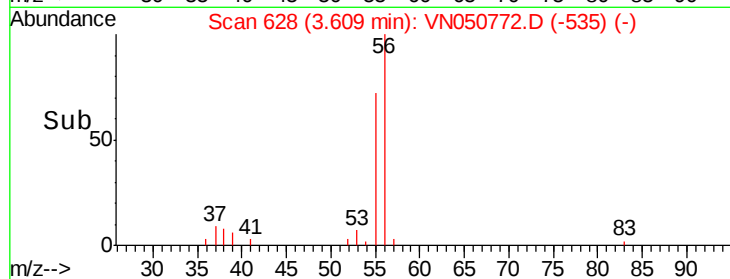
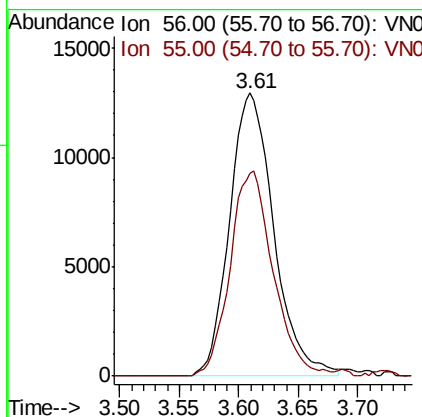
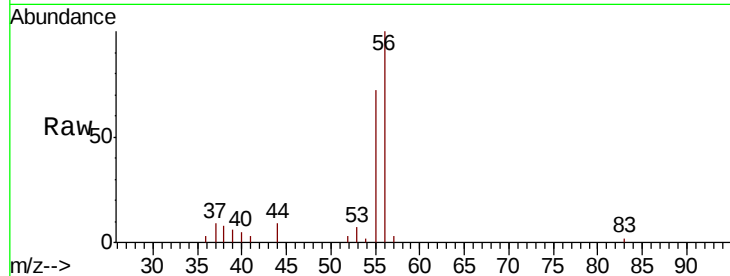
#13
Acrolein
Concen: 197.19 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	56	55	Ratio	Lower	Upper
33406	100	70.5		56.3	84.5

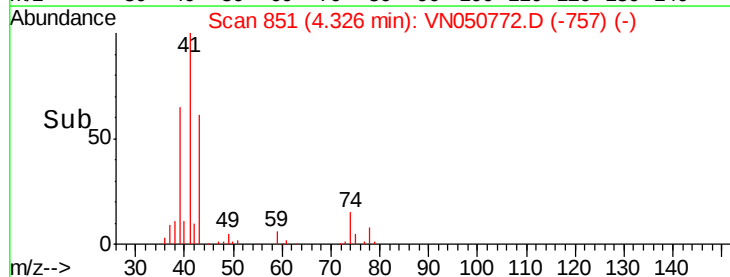
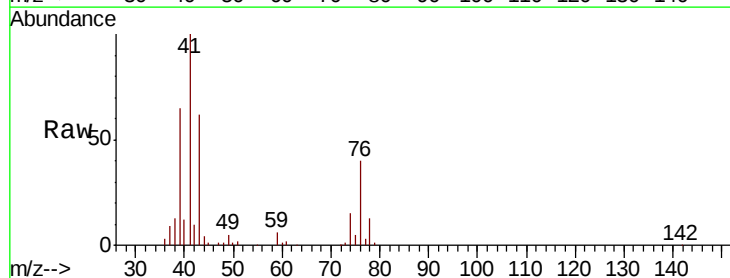
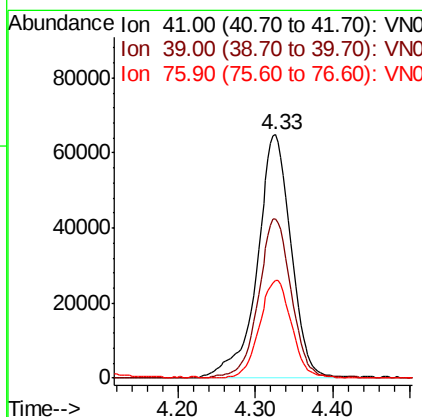
Manual Integrations
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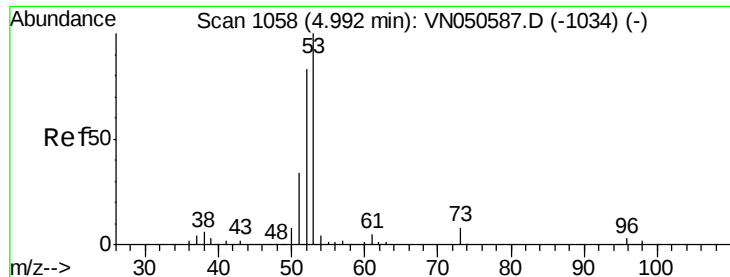
MMDadoda
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#14
Allyl chloride
Concen: 18.28 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	41	39	76	Ratio	Lower	Upper
197168	100	63.3	37.4		51.4	77.0





#15

Acrylonitrile

Concen: 94.93 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

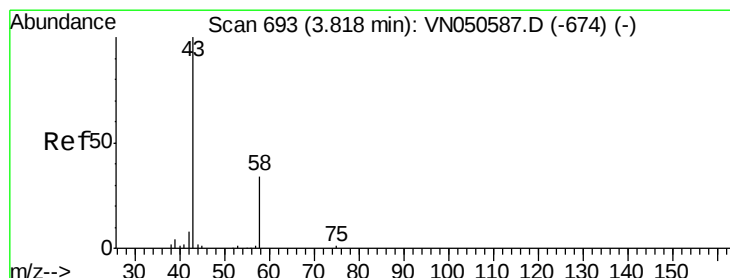
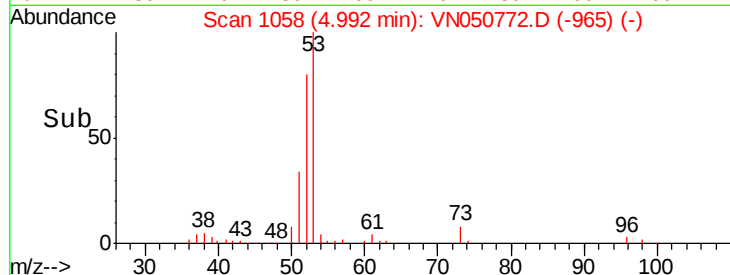
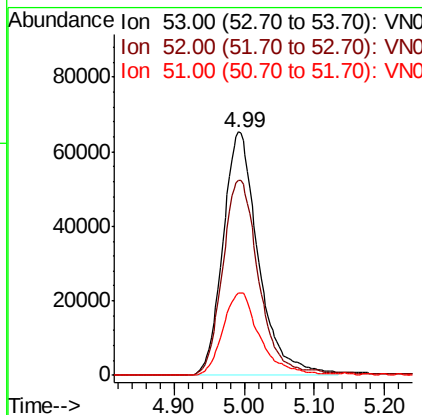
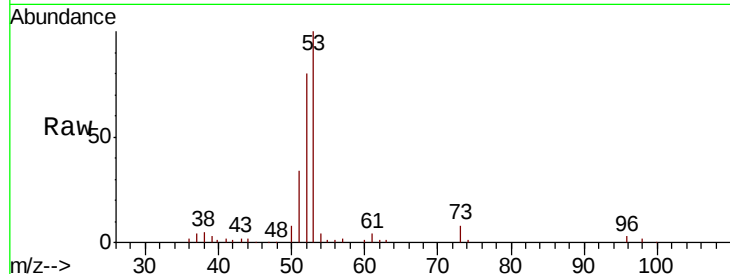
VN0820WBSD02

Tot Ion:	53	Resp:	229372
Ion	Ratio	Lower	Upper
53	100		
52	80.7	66.2	99.2
51	35.3	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 100.58 ug/l

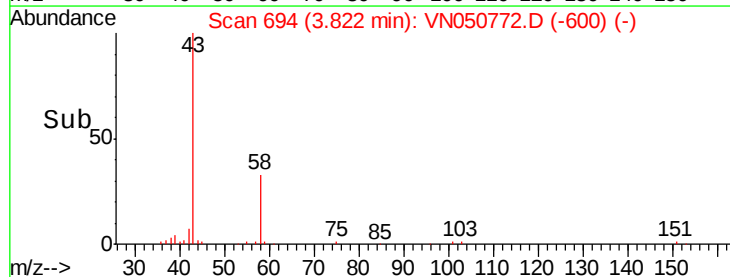
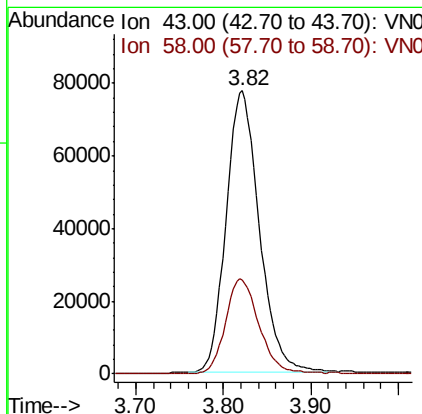
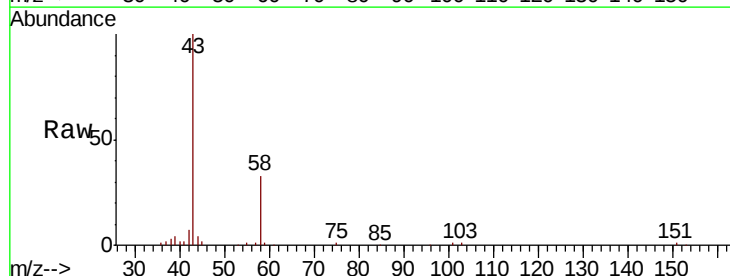
RT: 3.82 min Scan# 694

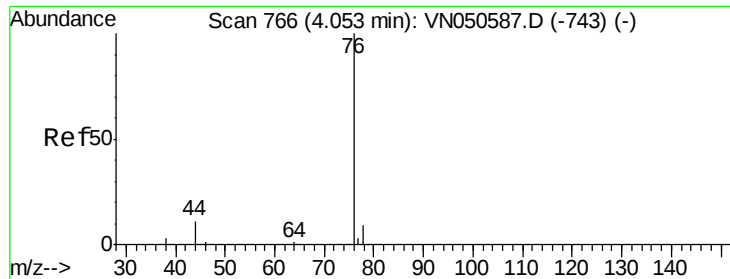
Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Tgt Ion:	43	Resp:	204090
Ion	Ratio	Lower	Upper
43	100		
58	33.4	27.1	40.7





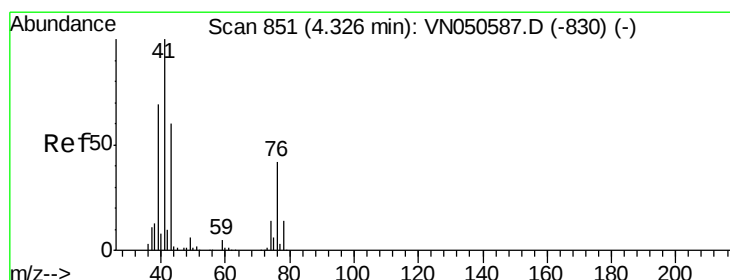
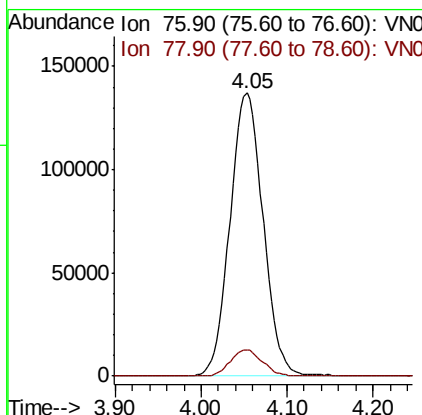
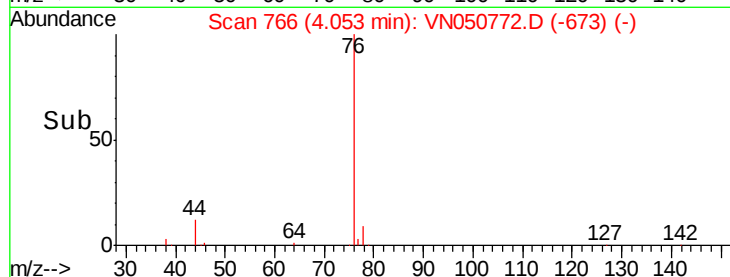
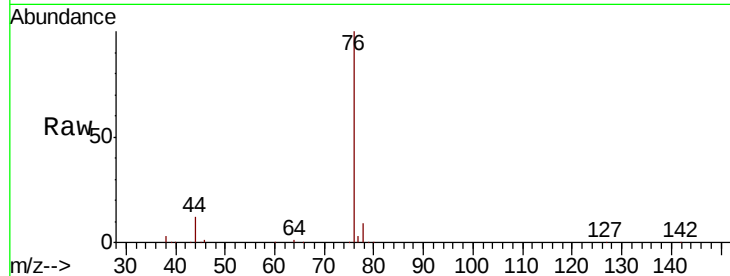
#17
Carbon Disulfide
Concen: 16.83 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

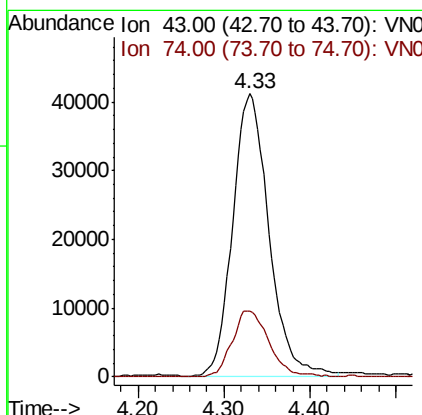
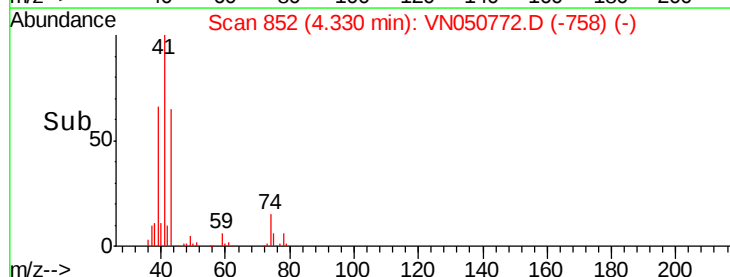
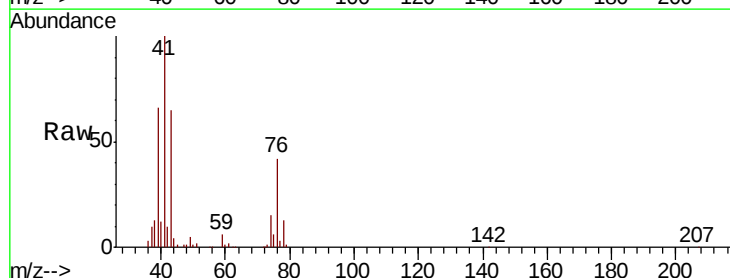
Manual Integrations
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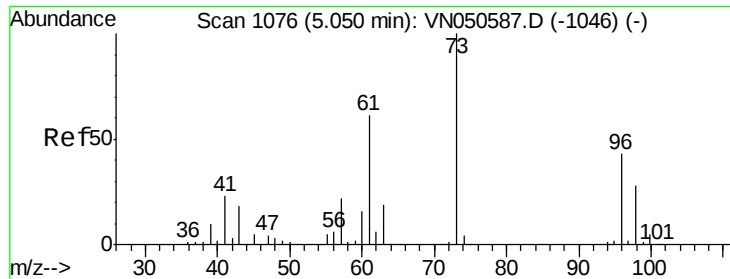
MMDadoda
8/21/2018 2:13:24 PM



#18
Methyl Acetate
Concen: 20.87 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.7	29.5





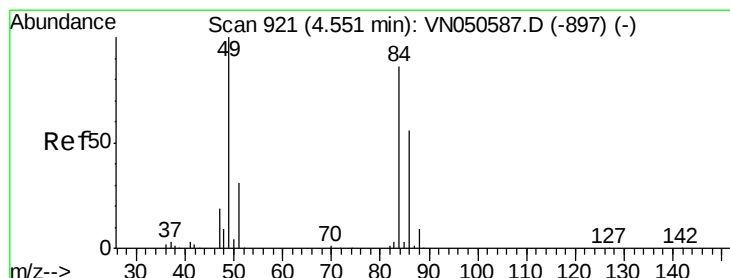
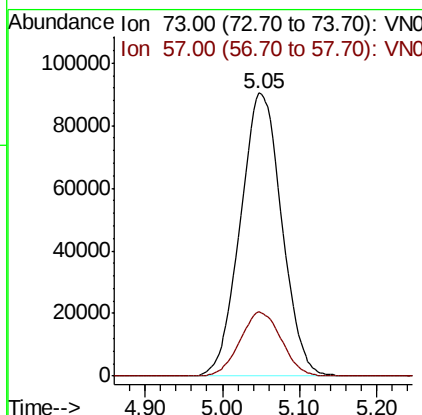
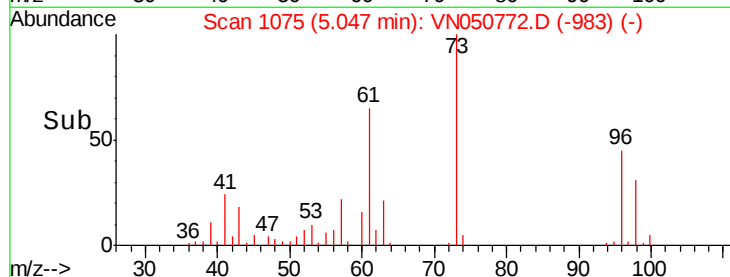
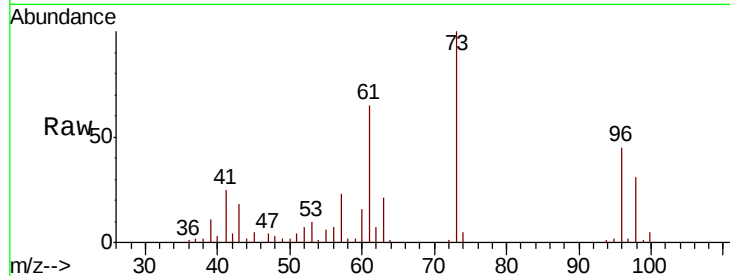
#19
Methvl tert-butvl Ether
Concen: 19.09 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampled :
VN0820WBSD02

Tot Ion: 73 Resp: 337034
Ion Ratio Lower Upper
73 100
57 22.8 17.9 26.9

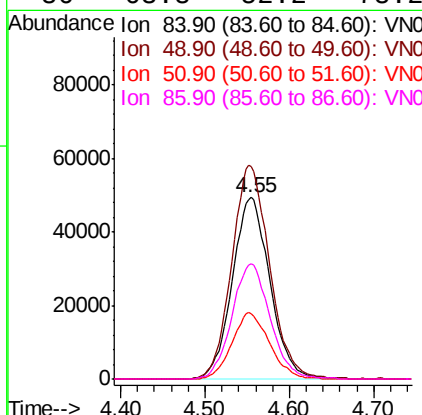
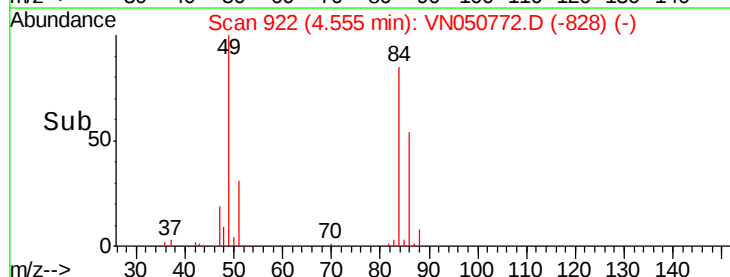
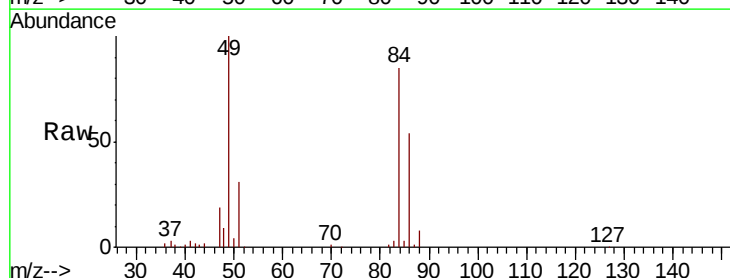
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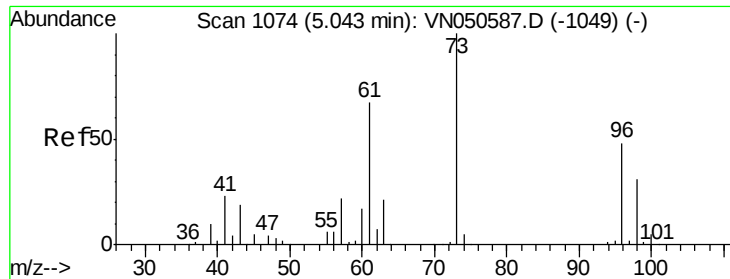
MMDadoda
8/21/2018 2:13:24 PM



#20
Methylene Chloride
Concen: 19.20 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion: 84 Resp: 153026
Ion Ratio Lower Upper
84 100
49 117.6 92.6 138.8
51 36.2 28.6 43.0
86 63.8 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 18.05 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion: 96 Resp: 135749

Ion Ratio Lower Upper

96 100

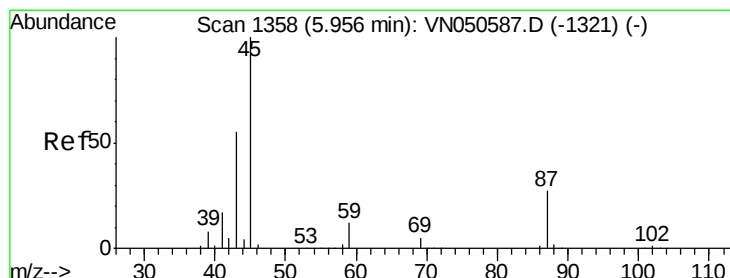
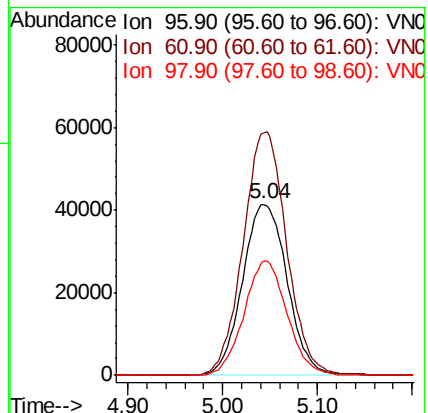
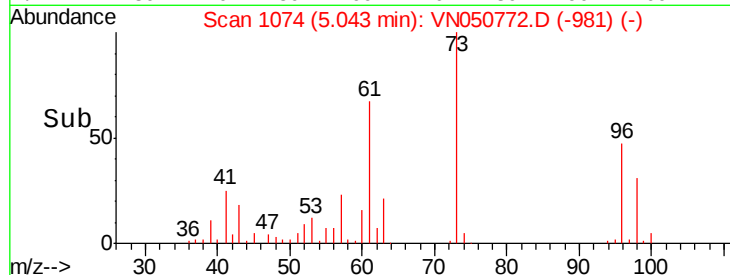
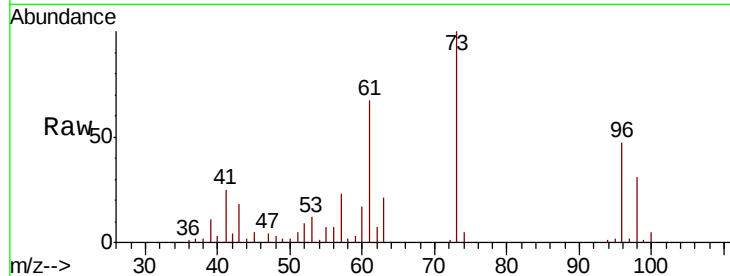
61 142.2 111.2 166.8

98 67.2 51.6 77.4

Manual Integrations
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8/21/2018 2:13:24 PM



#22

Diisopropyl ether

Concen: 19.86 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Tgt Ion: 45 Resp: 439365

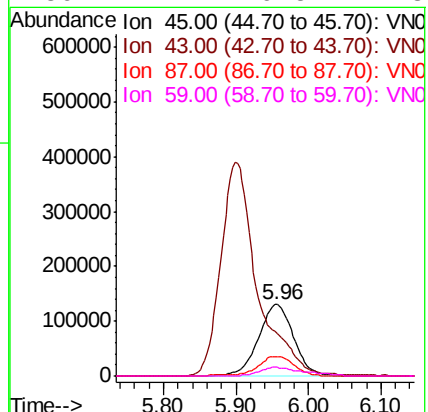
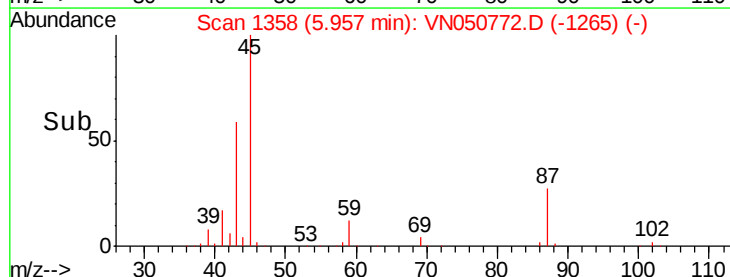
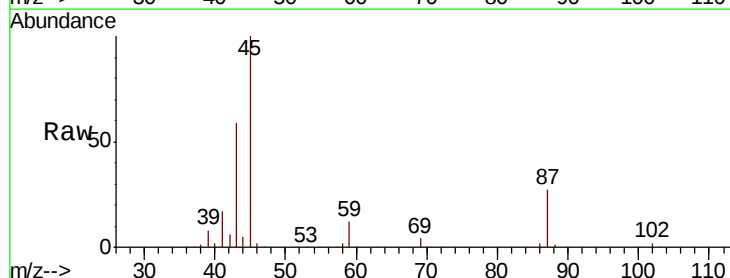
Ion Ratio Lower Upper

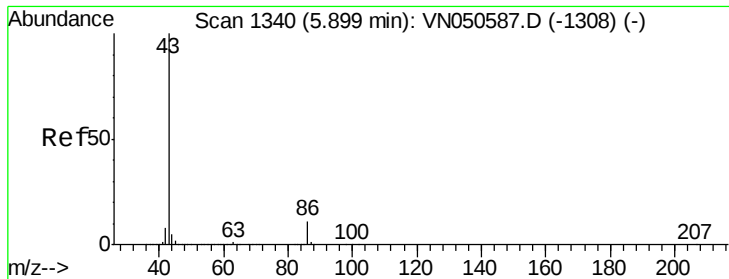
45 100

43 57.7 44.5 66.7

87 27.1 22.2 33.2

59 11.7 9.5 14.3





#23

Vinyl Acetate

Concen: 94.47 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleID :

VN0820WBSD02

Tot Ion: 43 Resp: 1366869

Ion Ratio Lower Upper

43 100

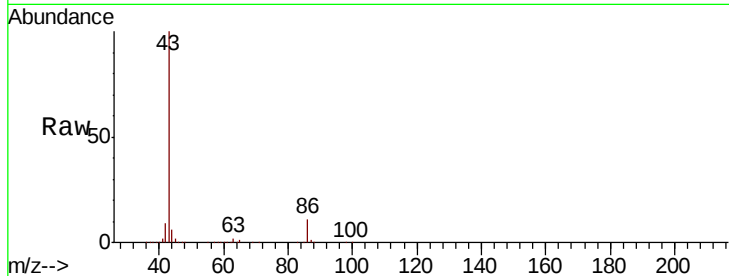
86 10.8 8.4 12.6

Manual Integrations

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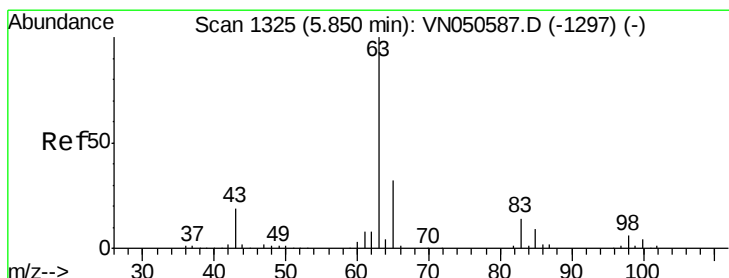
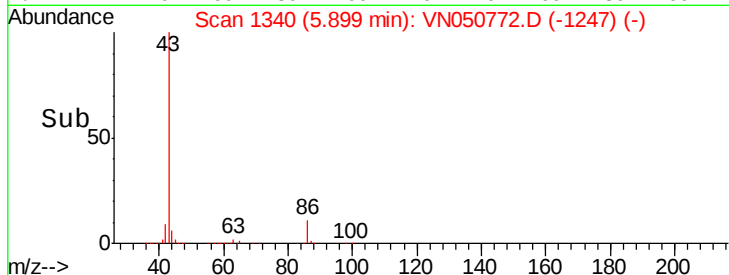
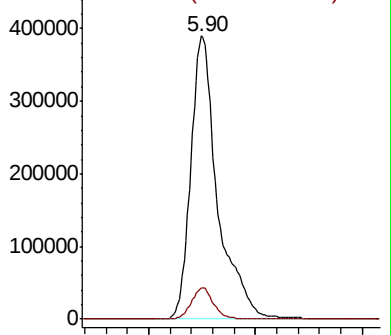
MMDadoda

8/21/2018 2:13:24 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.27 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

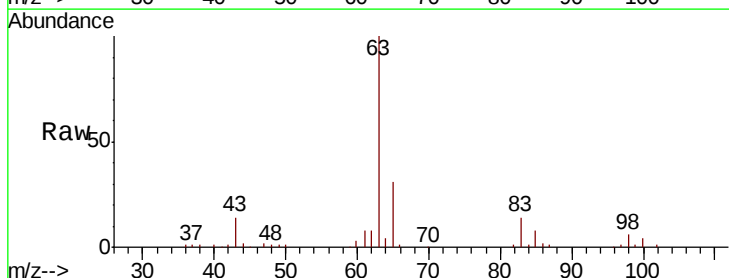
Tgt Ion: 63 Resp: 261482

Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

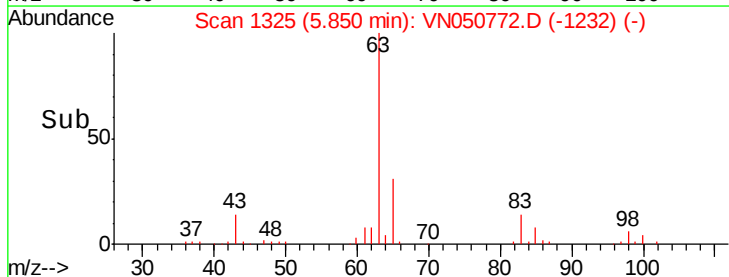
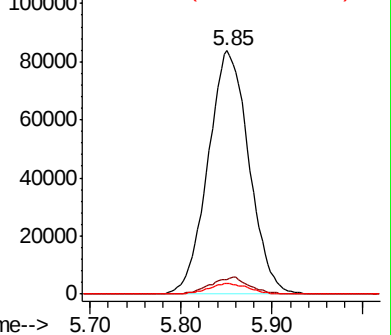
100 4.2 2.1 6.5

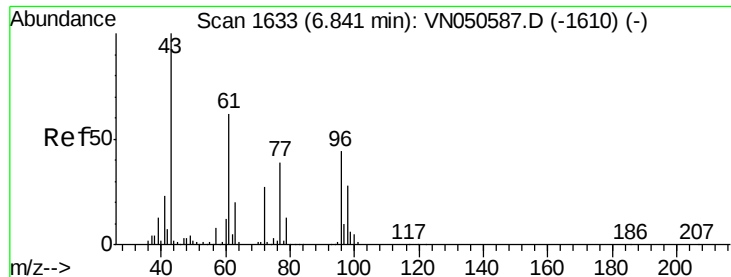


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 96.22 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion: 43 Resp: 317854

Ion Ratio Lower Upper

43 100

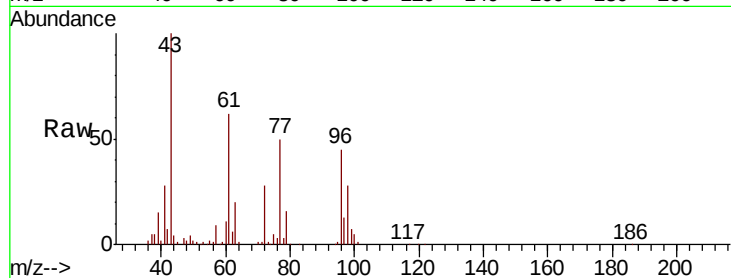
72 27.7 21.8 32.6

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

120000

100000

80000

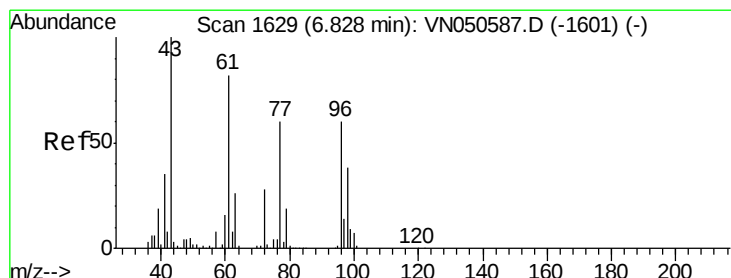
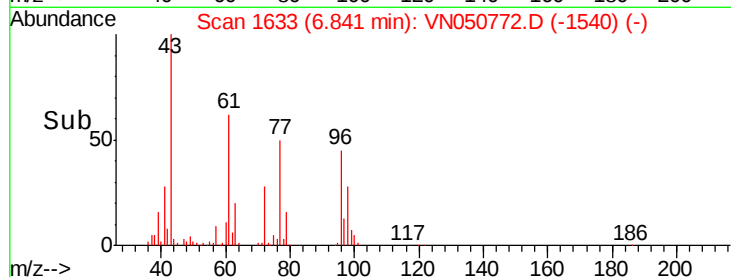
60000

40000

20000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 21.70 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050772.D

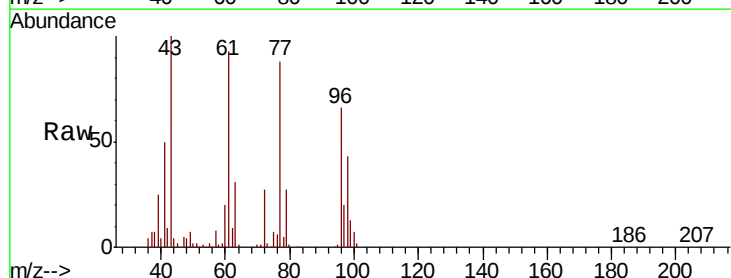
Acq: 20 Aug 2018 14:21

Tgt Ion: 77 Resp: 207842

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.4



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

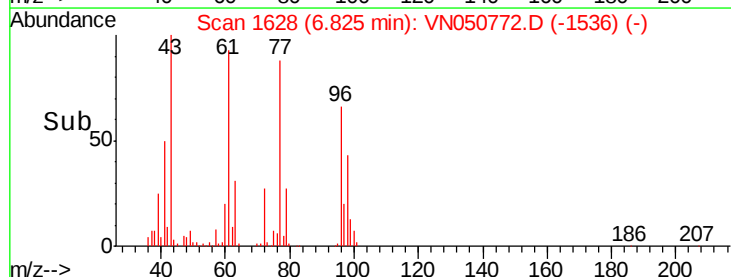
60000

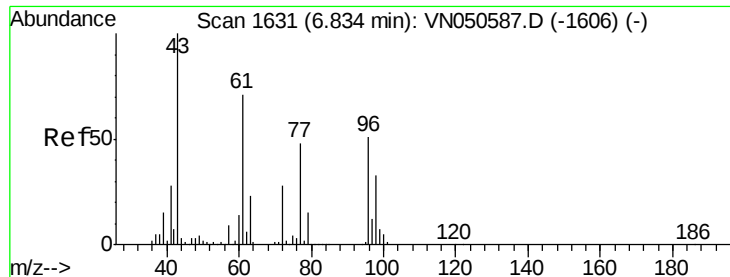
40000

20000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 18.68 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

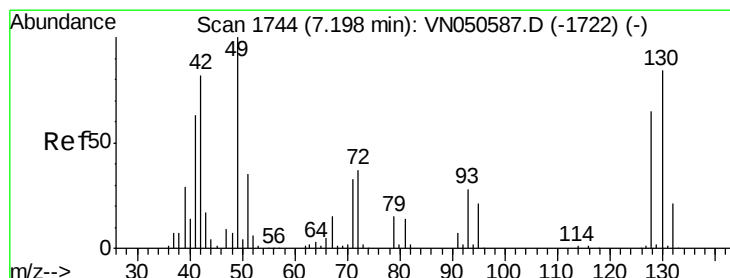
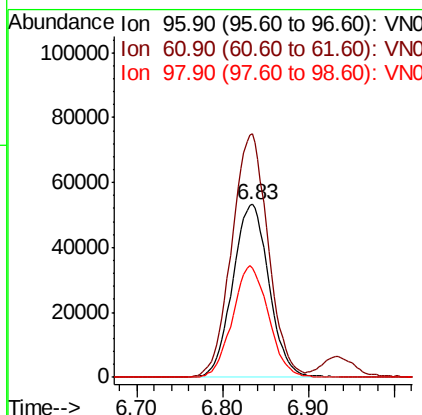
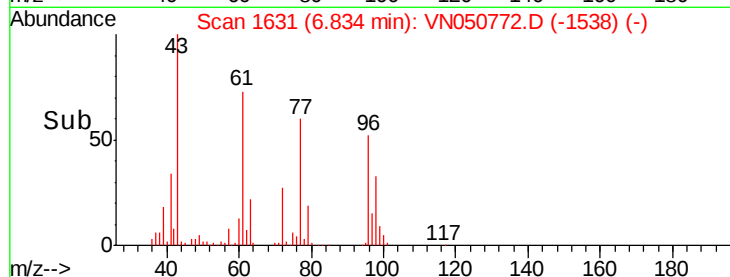
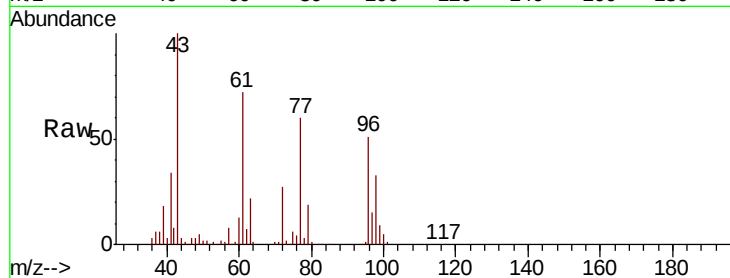
VN0820WBSD02

Tot Ion:	96	Resp:	156432
Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	278.2
98	63.8	0.0	128.8

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#28

Bromochloromethane

Concen: 19.55 ug/l

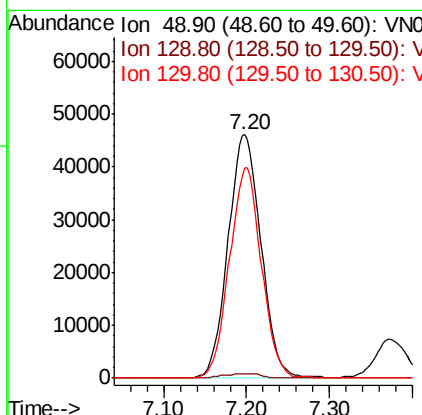
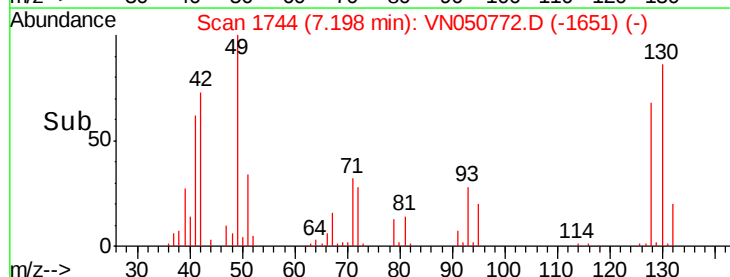
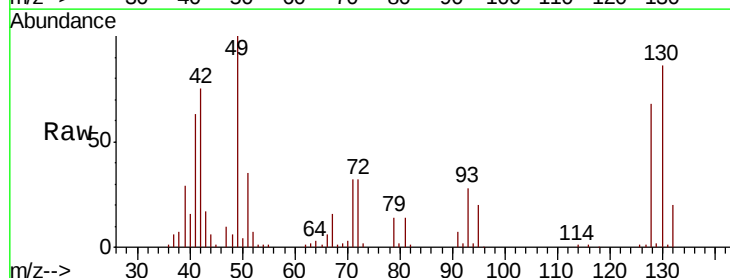
RT: 7.20 min Scan# 1744

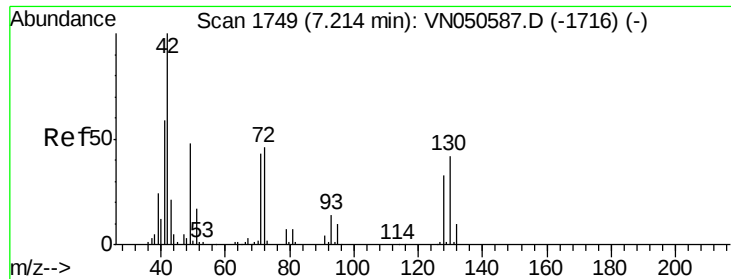
Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Tgt Ion:	49	Resp:	127330
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.8	66.8	100.2





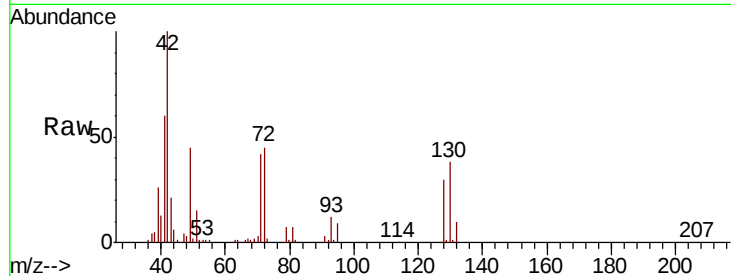
#29
Tetrahydrofuran
Concen: 95.43 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

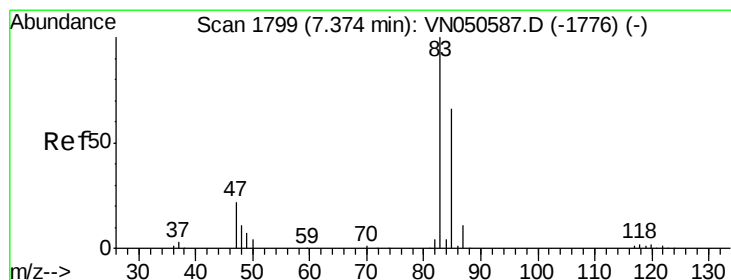
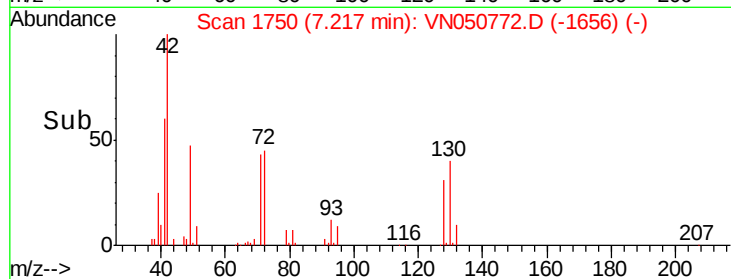
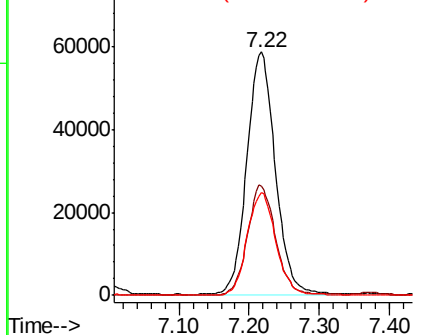
Tot Ion:	42	Resp:	164603
Ion Ratio		Lower	Upper
42	100		
72	44.6	35.8	53.6
71	42.3	33.4	50.0

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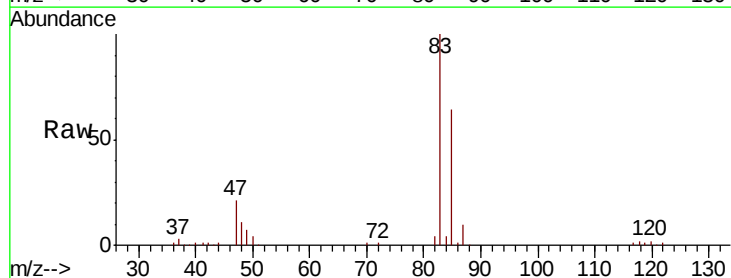


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

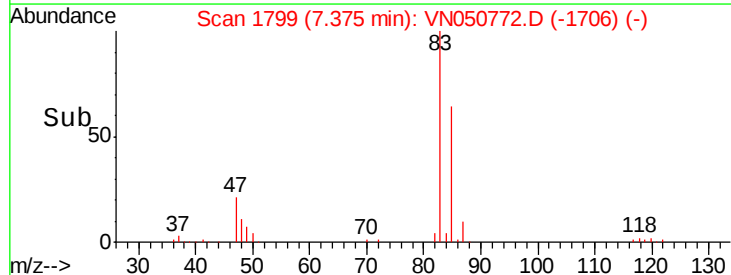
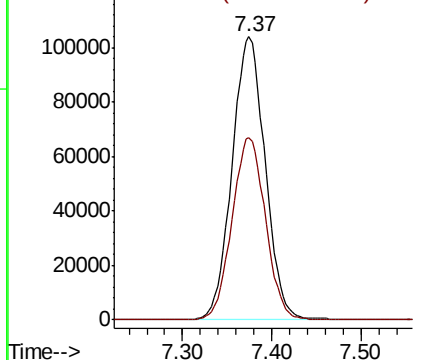


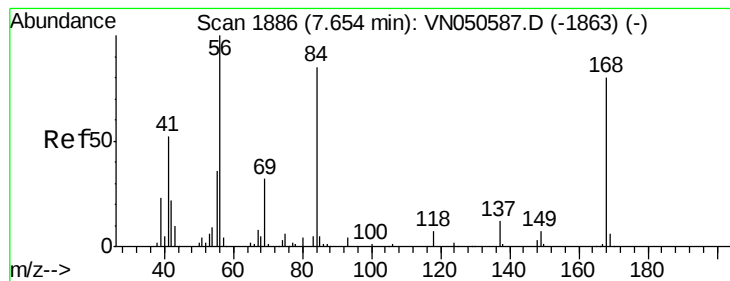
#30
Chloroform
Concen: 18.49 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion:	83	Resp:	268109
Ion Ratio		Lower	Upper
83	100		
85	64.4	52.5	78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.32 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion: 56 Resp: 226460

Ion Ratio Lower Upper

56 100

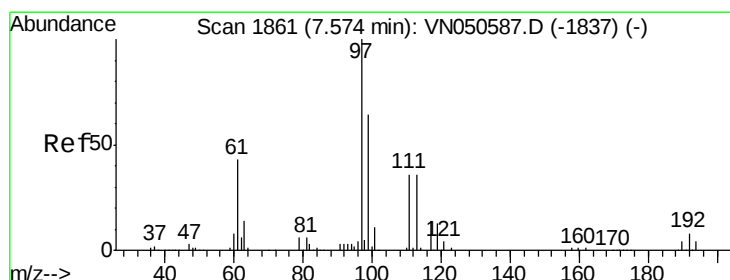
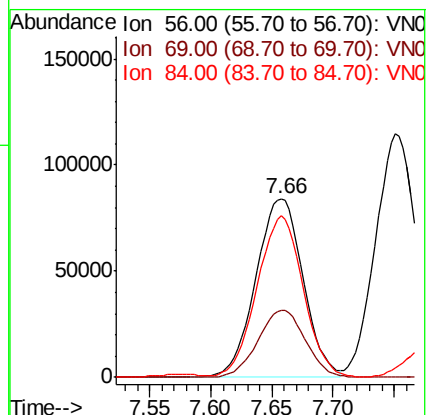
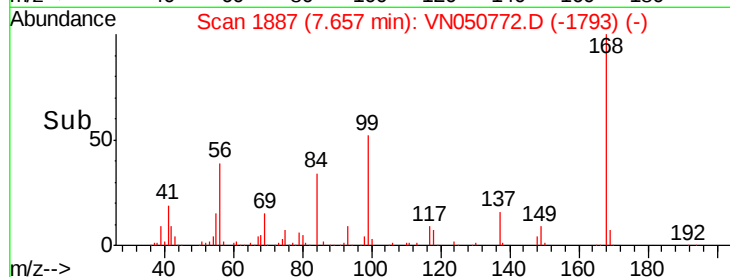
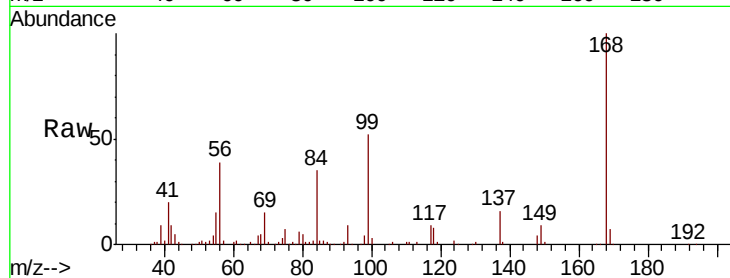
69 37.3 25.8 38.6

84 88.9 67.8 101.6

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#32

1,1,1-Trichloroethane

Concen: 18.32 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

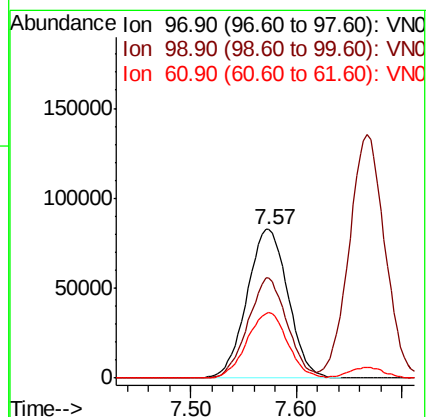
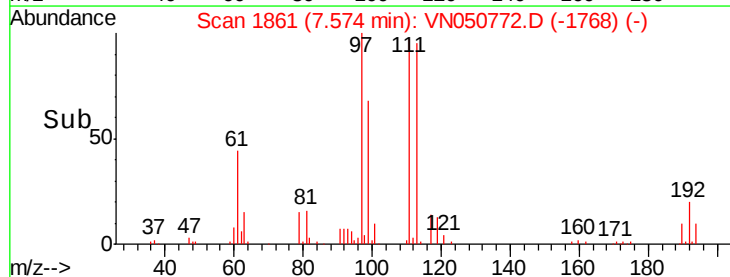
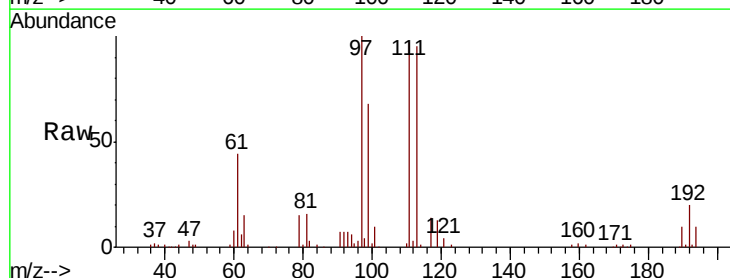
Tgt Ion: 97 Resp: 223631

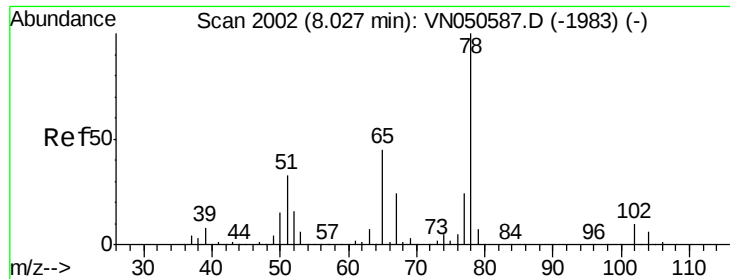
Ion Ratio Lower Upper

97 100

99 64.4 51.1 76.7

61 43.6 34.8 52.2





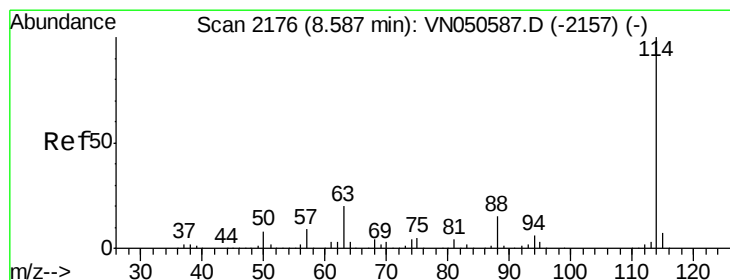
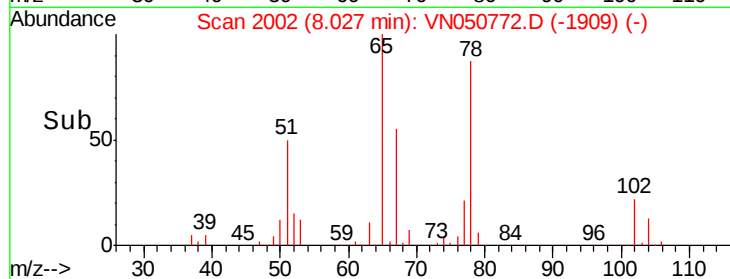
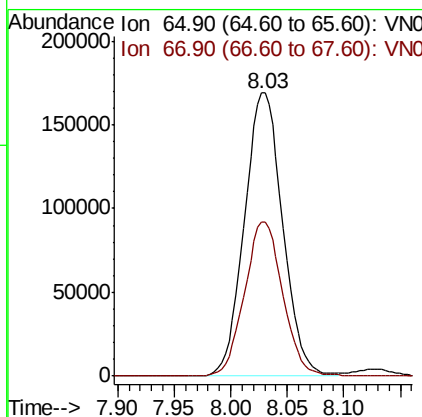
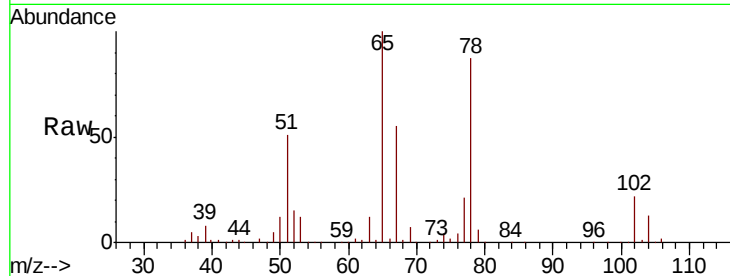
#33
 1,2-Dichloroethane-d4
 Concen: 49.35 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	397650		
67	54.3	0.0	109.8	

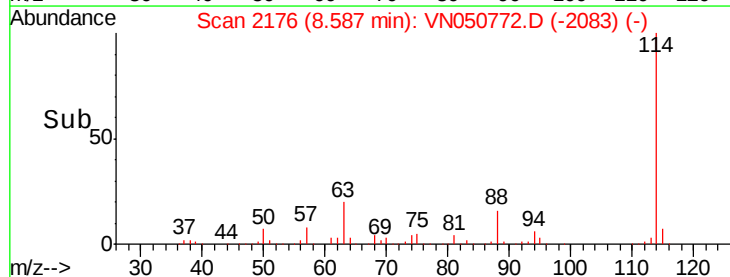
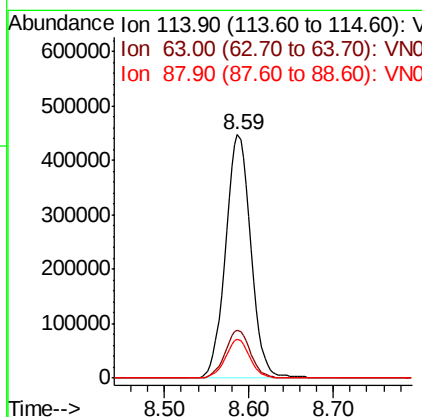
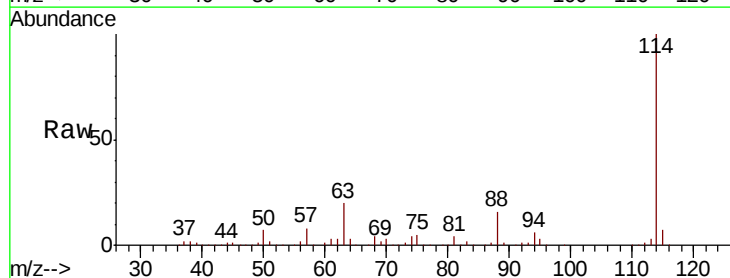
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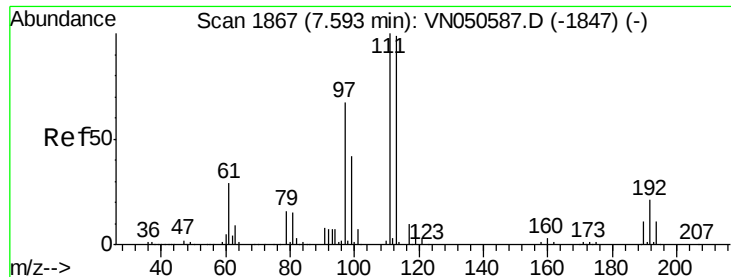
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	930593		
63	19.6	0.0	40.0	
88	15.8	0.0	30.8	





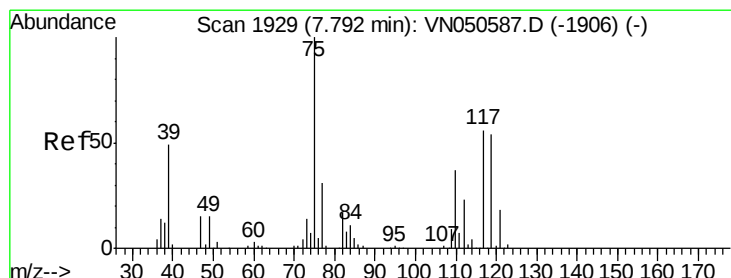
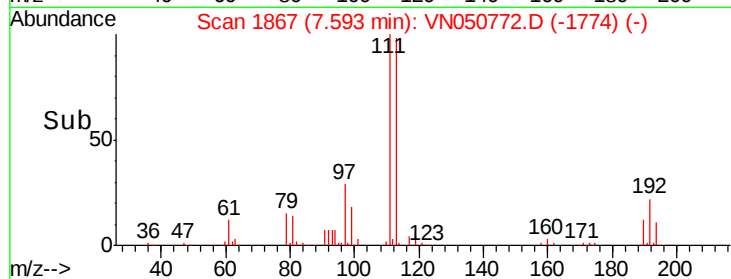
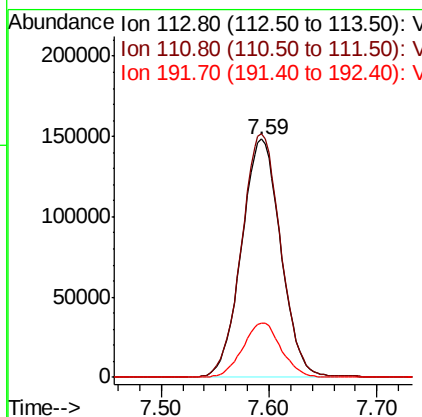
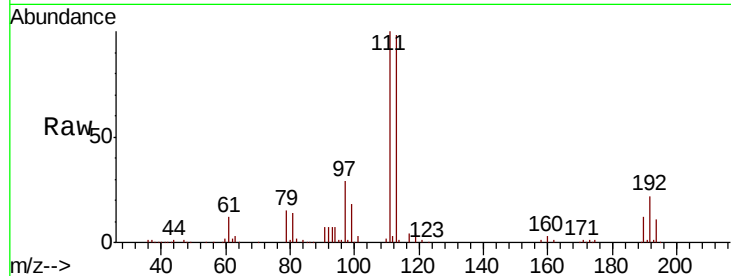
#35
 Dibromofluoromethane
 Concen: 50.49 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion:	113	Resp:	375151
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.0	121.6
192	22.4	17.6	26.4

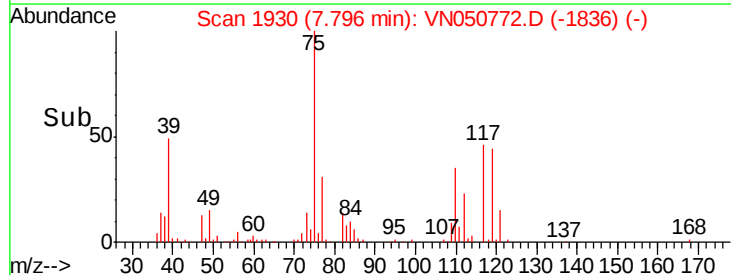
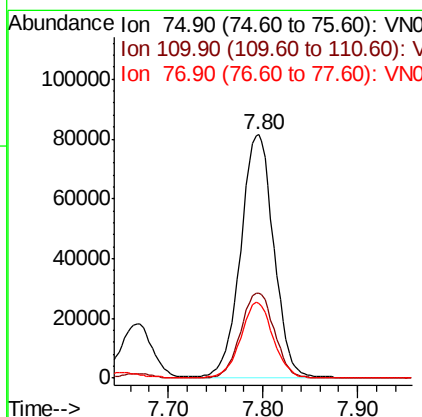
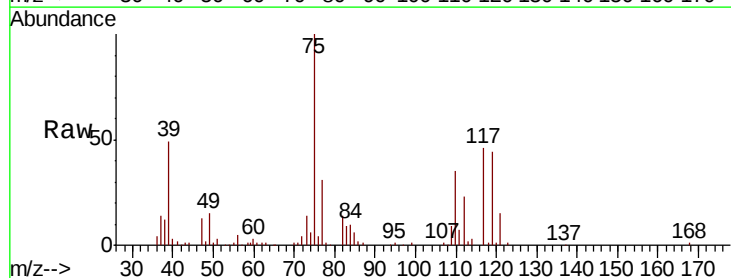
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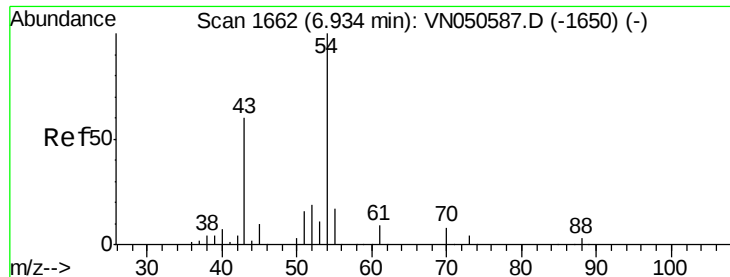
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#36
 1,1-Dichloropropene
 Concen: 19.03 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion:	75	Resp:	197169
Ion Ratio	Lower	Upper	
75	100		
110	35.8	18.3	54.9
77	30.8	25.0	37.4





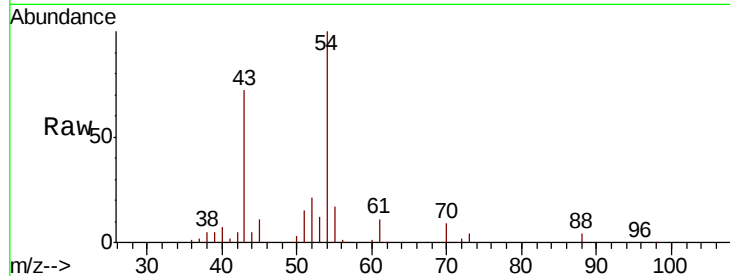
#37
Ethyl Acetate
Concen: 20.14 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

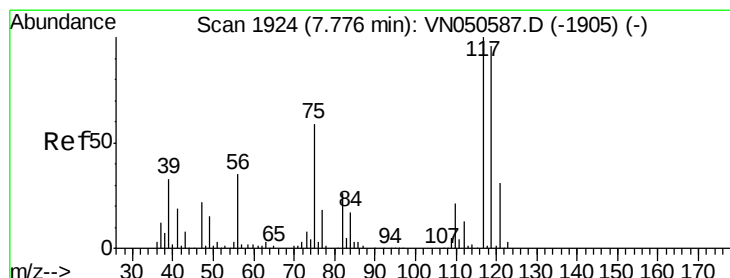
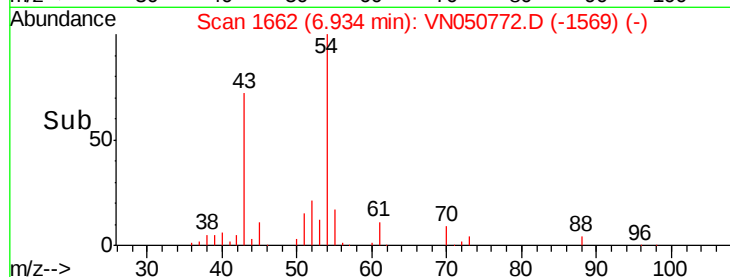
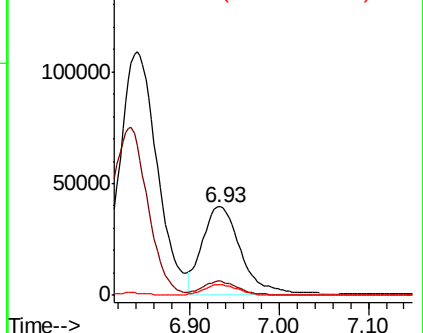
Tot Ion	43	Resp	117949
Ion Ratio	Lower	Upper	
43	100		
61	13.7	12.0	18.0
70	10.2	8.5	12.7

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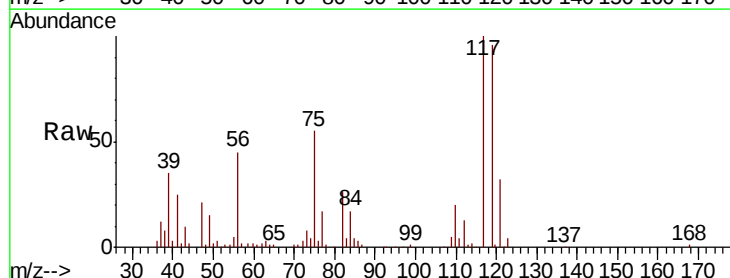


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

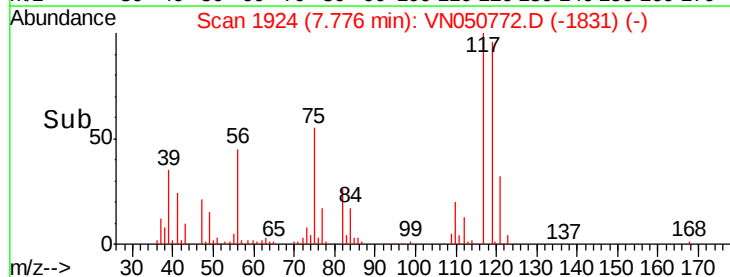
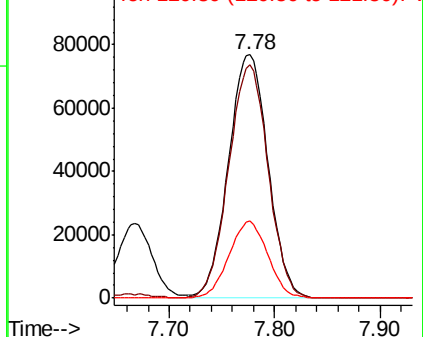


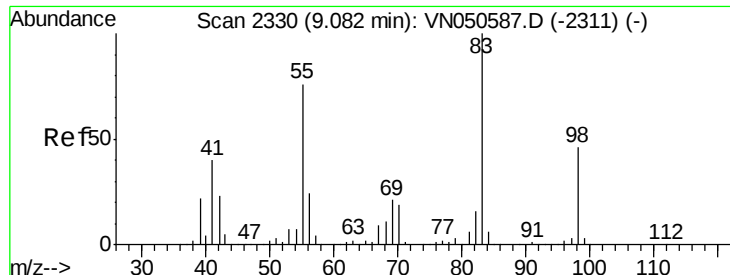
#38
Carbon Tetrachloride
Concen: 18.69 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	117	Resp	200844
Ion Ratio	Lower	Upper	
117	100		
119	95.6	76.6	115.0
121	31.5	25.0	37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





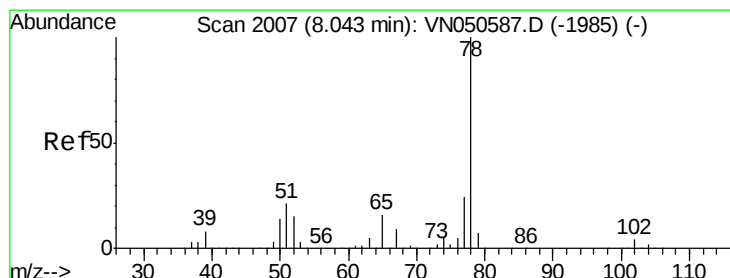
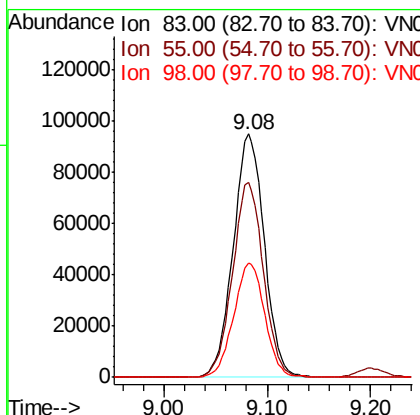
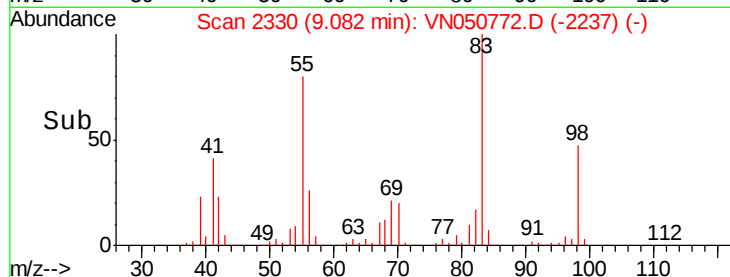
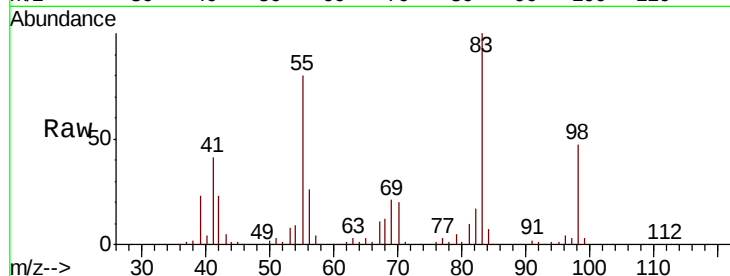
#39
Methvlcvclohexane
Concen: 18.56 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	60.6	91.0
98	47.0	37.0	55.4

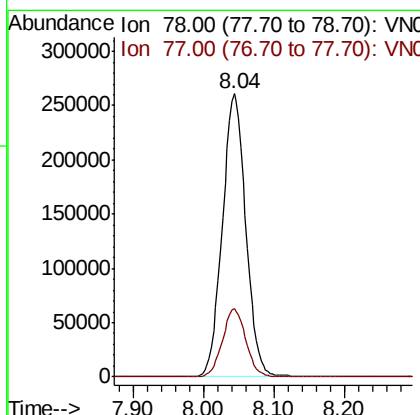
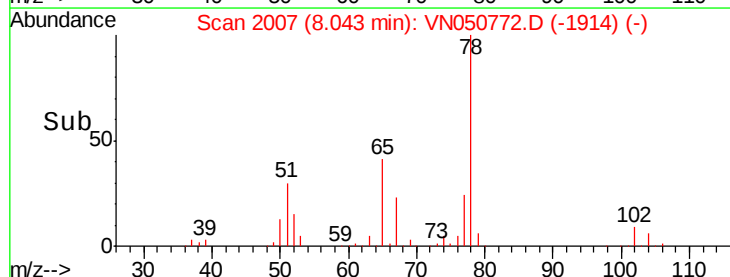
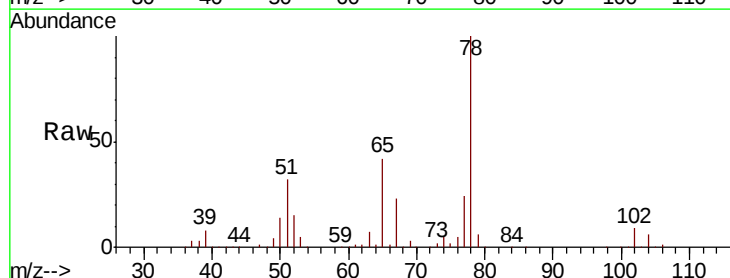
Manual Integrations
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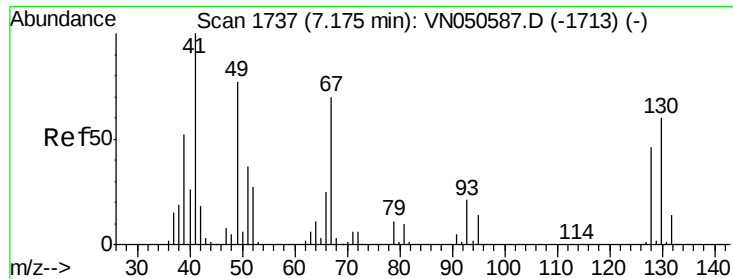
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#40
Benzene
Concen: 19.27 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





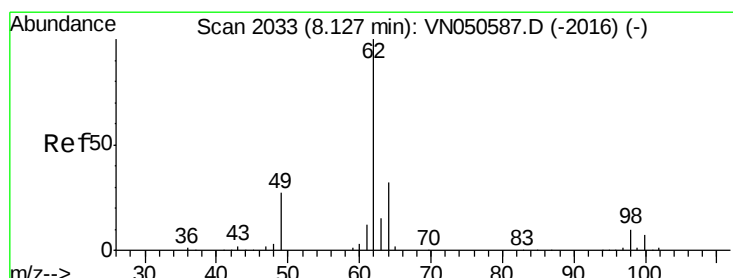
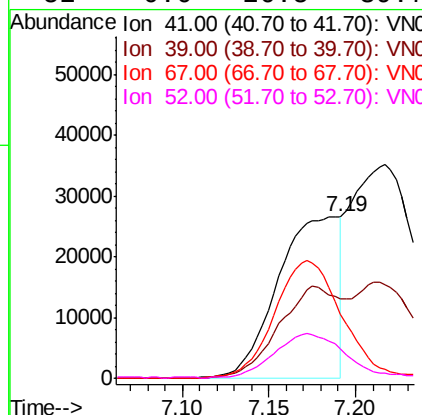
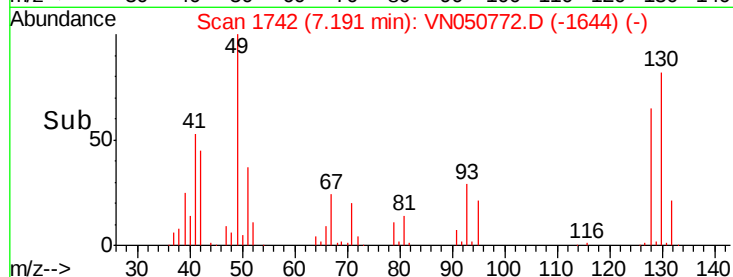
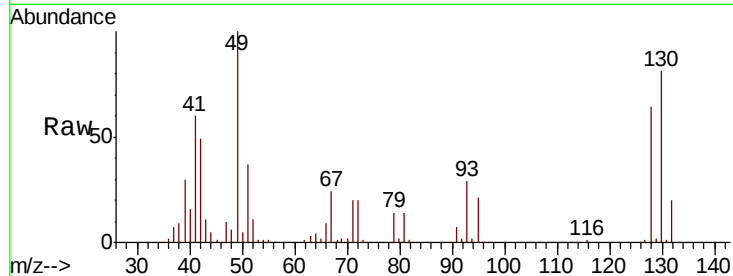
#41
Methacrylonitrile
Concen: 20.94 ug/l m
RT: 7.19 min Scan# 1742
Delta R.T. 0.02 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampled :
VN0820WBSD02

Tot Ion	41	Resp	66291
Ion Ratio	Lower	Upper	
41	100		
39	0.0	44.6	66.8#
67	0.0	66.7	100.1#
52	0.0	26.5	39.7#

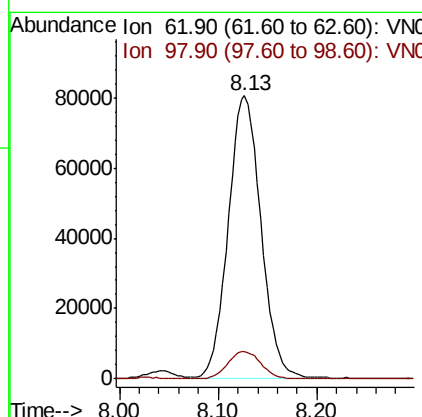
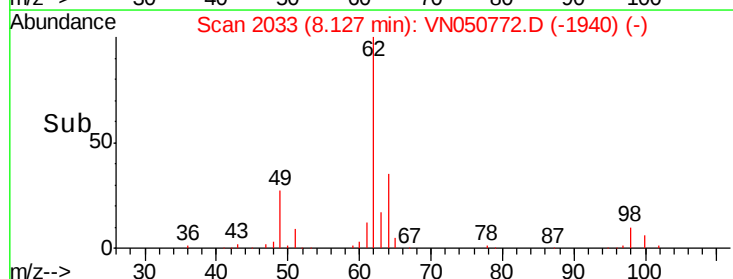
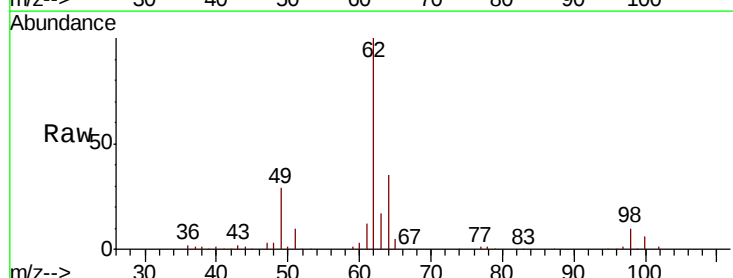
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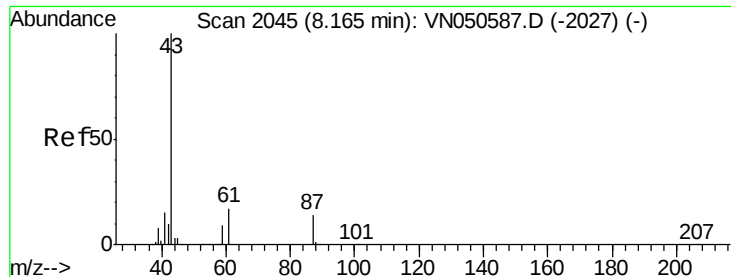
MMDadoda
8/21/2018 2:13:24 PM



#42
1,2-Dichloroethane
Concen: 19.26 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	62	Resp	186037
Ion Ratio	Lower	Upper	
62	100		
98	9.9	0.0	19.4





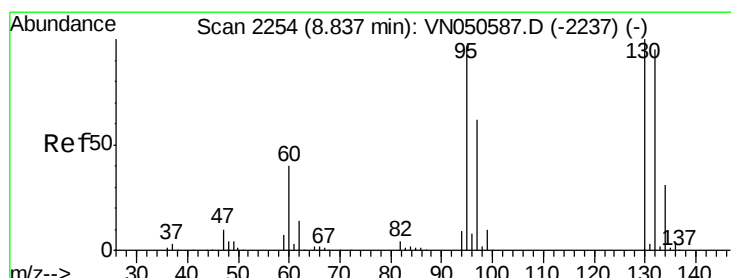
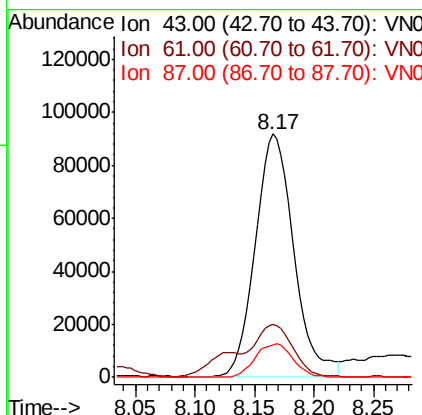
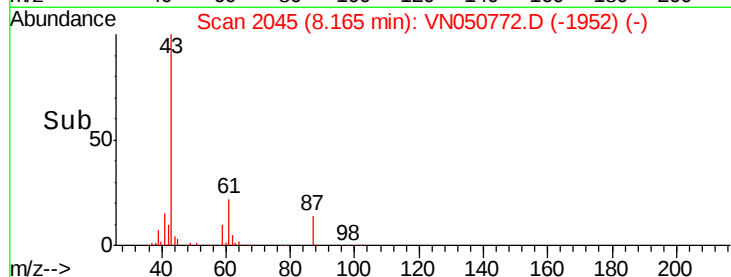
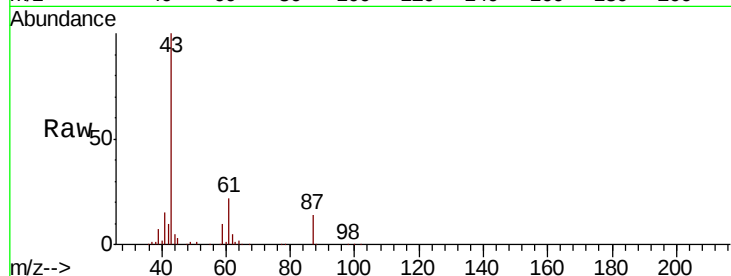
#43
Isopropyl Acetate
Concen: 19.41 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.2	24.2
87	13.6	10.9	16.3

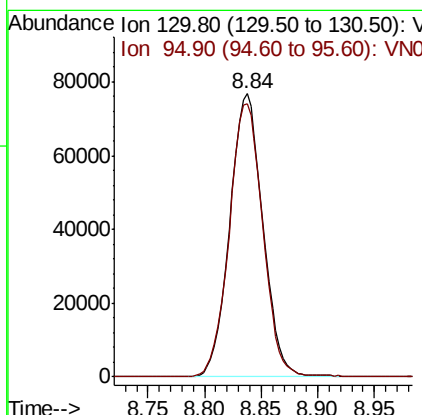
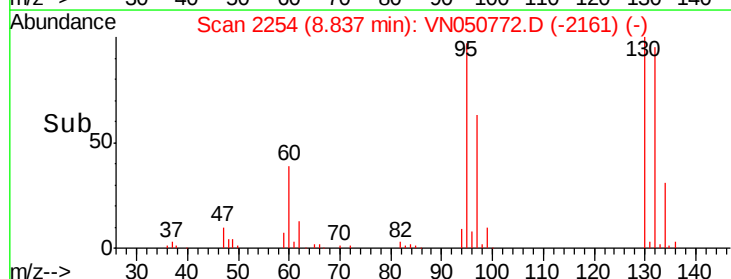
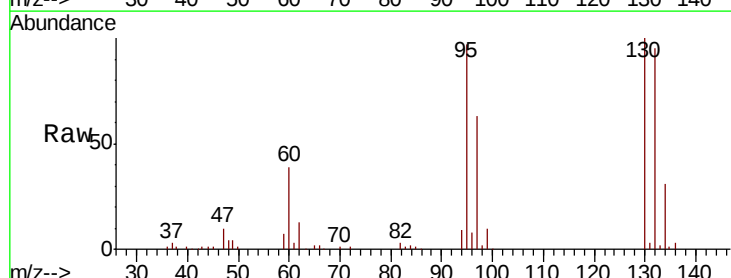
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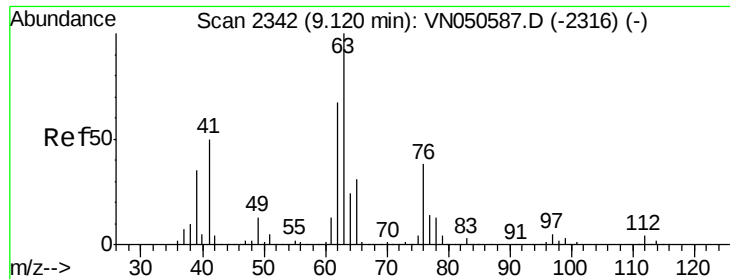
MMDadoda
8/21/2018 2:13:24 PM



#44
Trichloroethene
Concen: 18.53 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	193.8





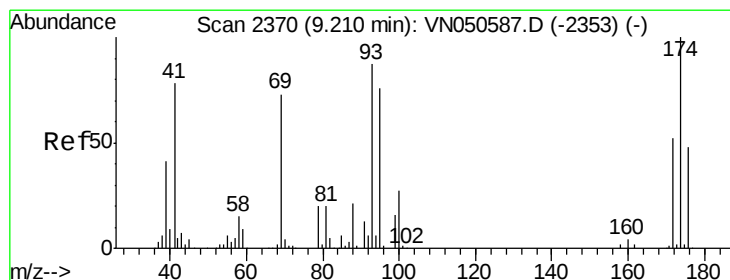
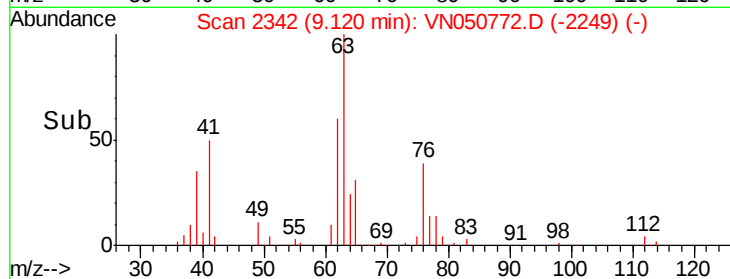
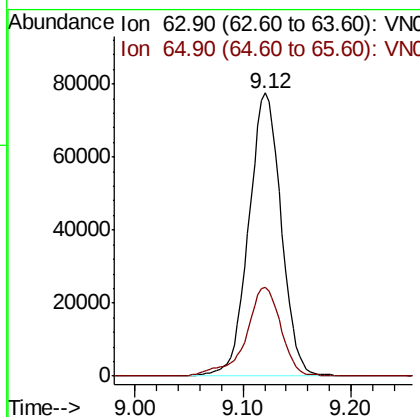
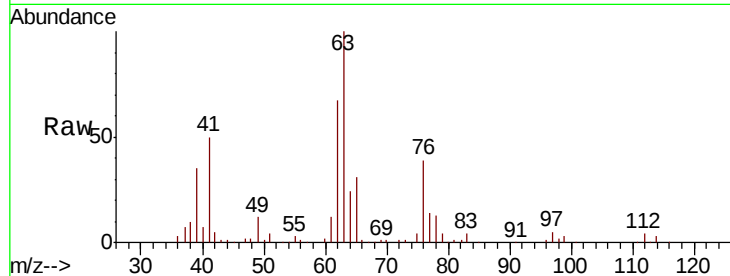
#45
 1,2-Dichloropropane
 Concen: 19.30 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.5	36.7

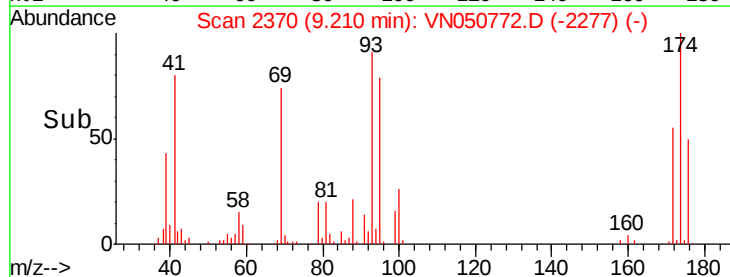
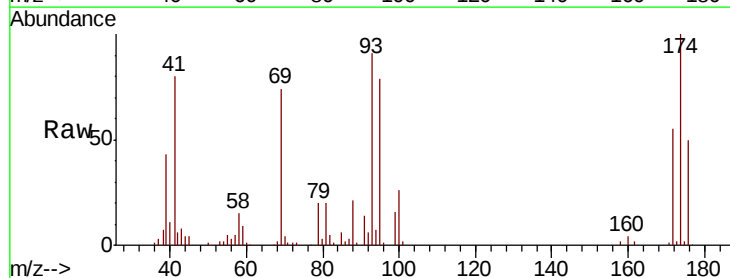
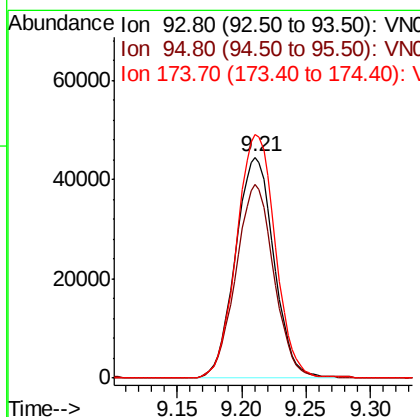
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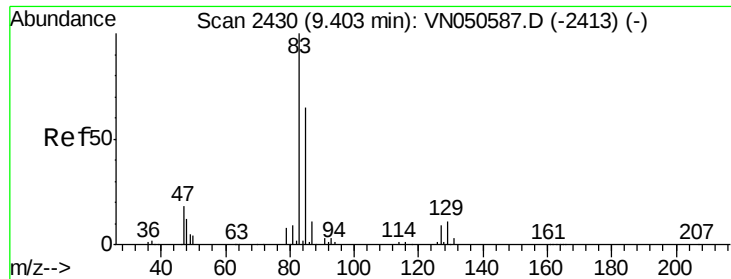
MMDadoda
 8/21/2018 2:13:24 PM



#46
 Dibromomethane
 Concen: 18.70 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.4	69.1	103.7
174	110.6	91.0	136.6





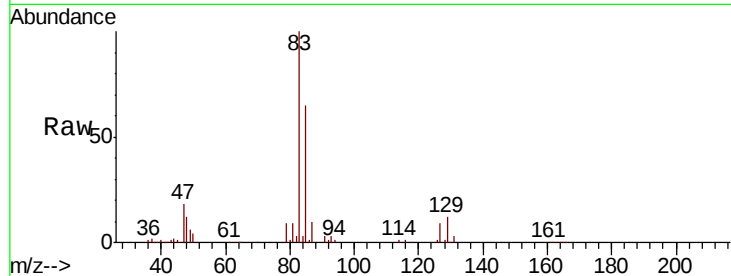
#47
Bromodichloromethane
Concen: 18.90 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

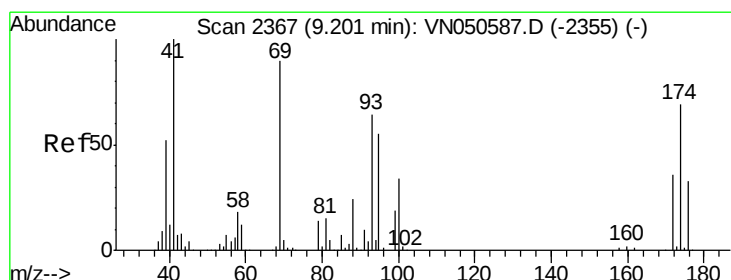
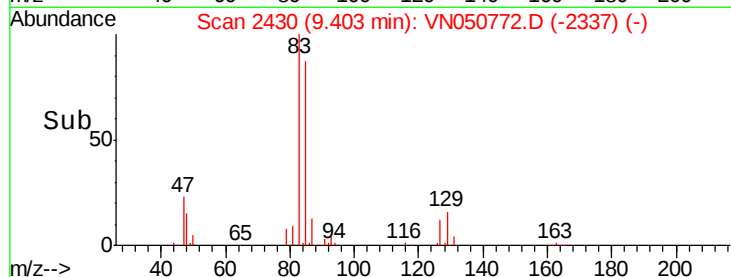
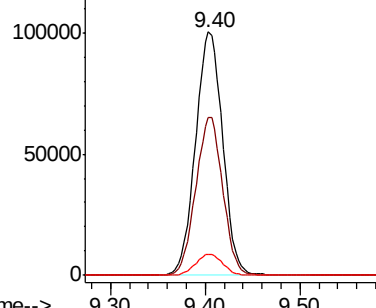
Tot Ion	83	Resp	200136
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.8	77.6
127	8.6	7.2	10.8

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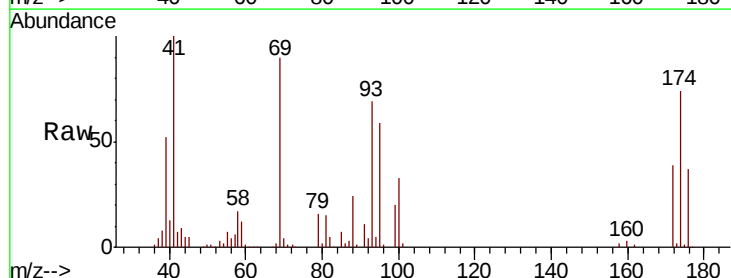


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

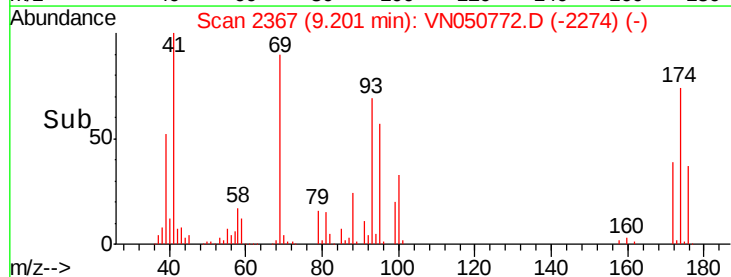
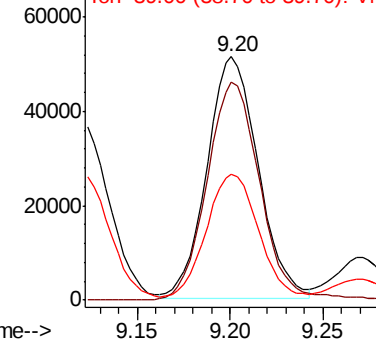


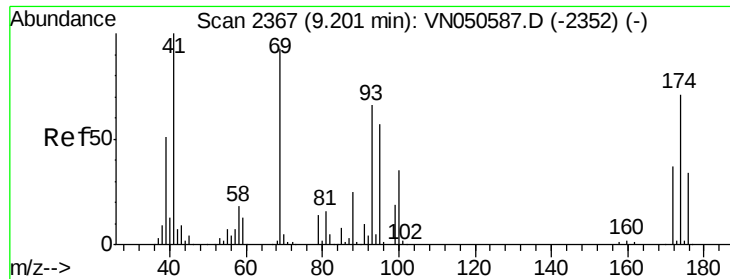
#48
Methyl methacrylate
Concen: 18.35 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	41	Resp	98550
Ion Ratio	Lower	Upper	
41	100		
69	93.4	73.4	110.0
39	53.4	43.0	64.6



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





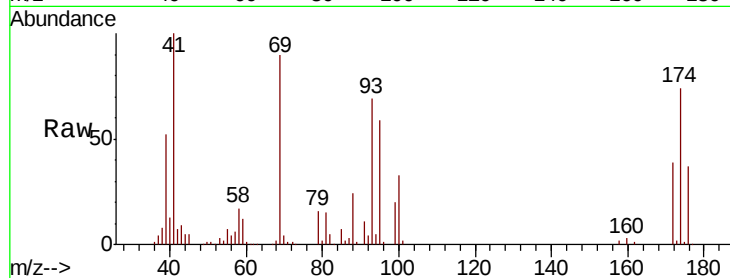
#49
 1,4-Dioxane
 Concen: 370.83 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	25.9	38.9
58	70.3	56.5	84.7

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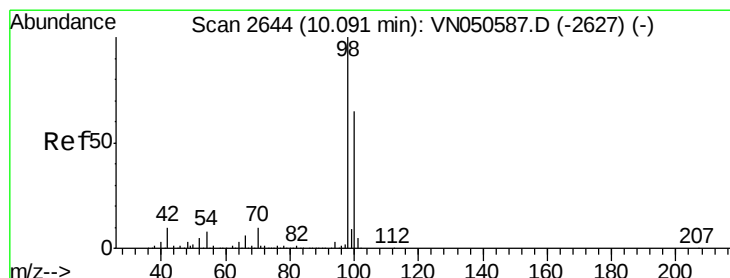
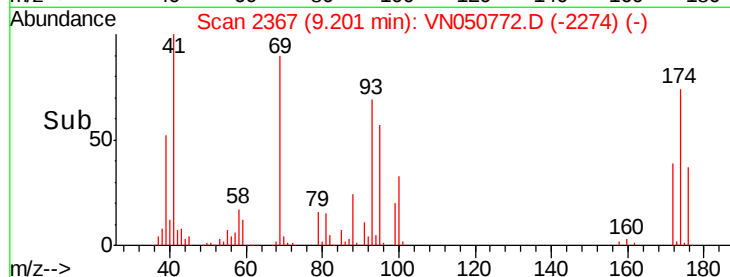
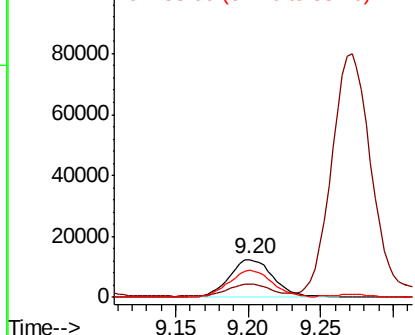


Abundance

Ion 88.00 (87.70 to 88.70): VN0

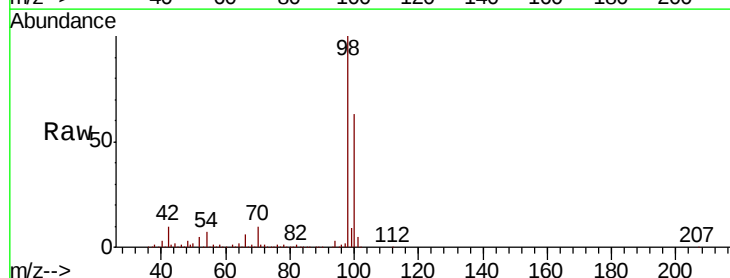
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
 Toluene-d8
 Concen: 50.30 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

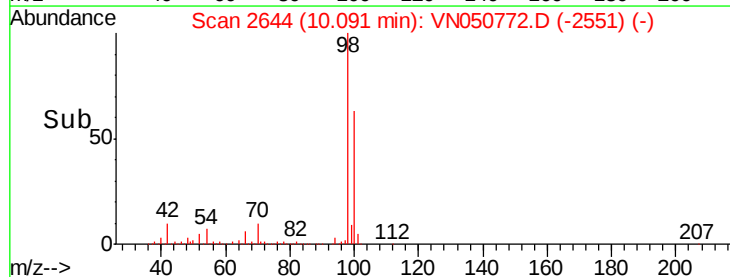
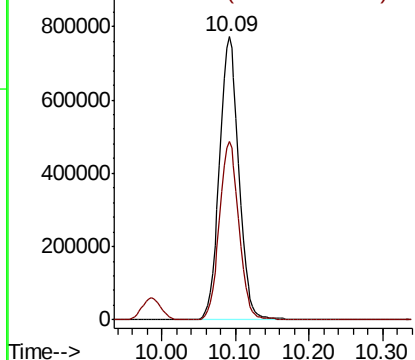
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.8	77.8

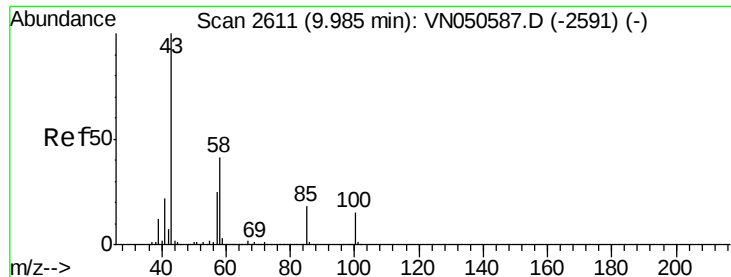


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





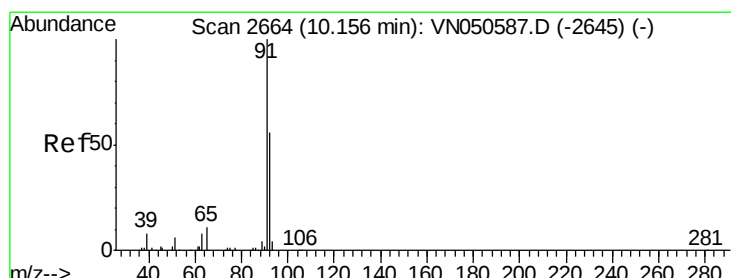
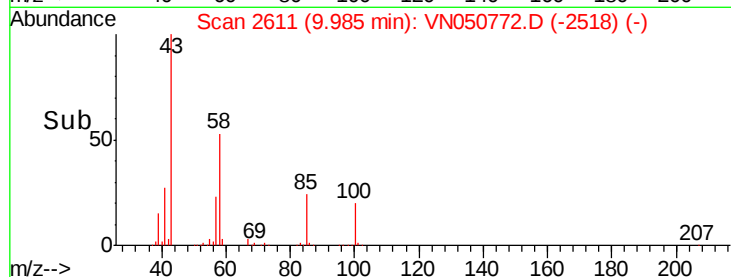
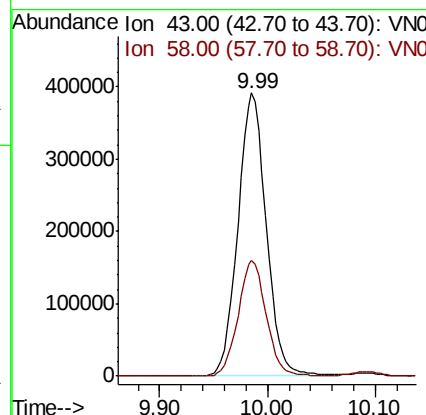
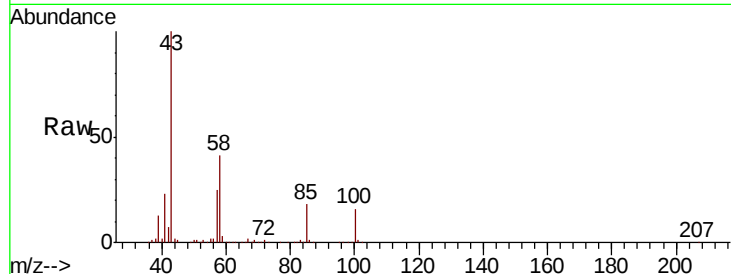
#51
4-Methyl-2-Pentanone
Concen: 99.18 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.5	48.7

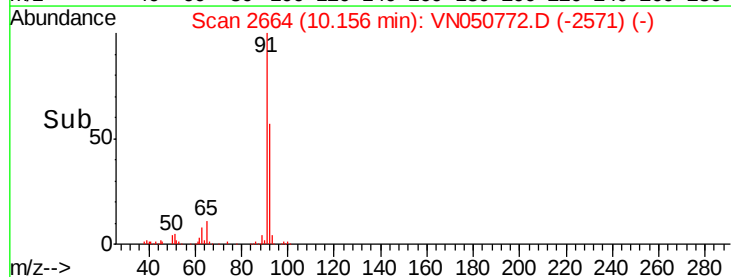
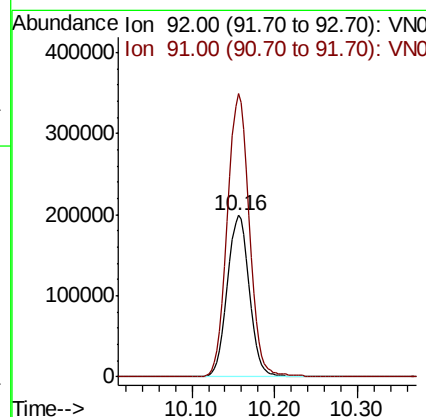
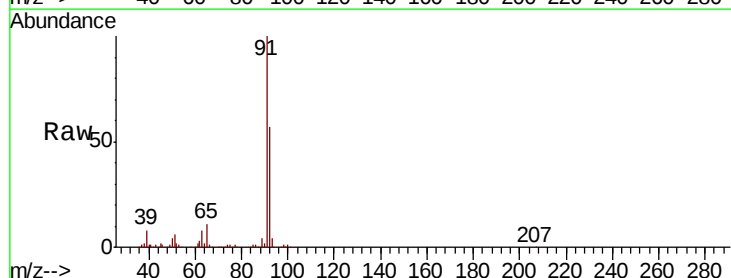
Manual Integrations
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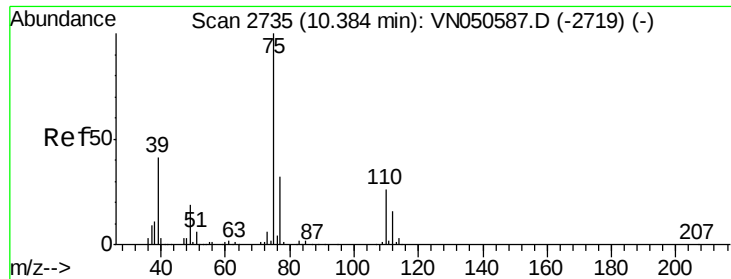
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#52
Toluene
Concen: 19.60 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.7	141.9	212.9





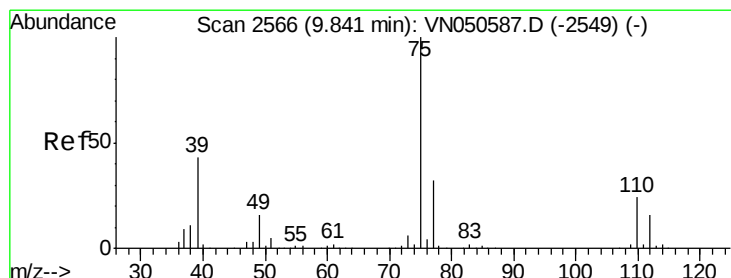
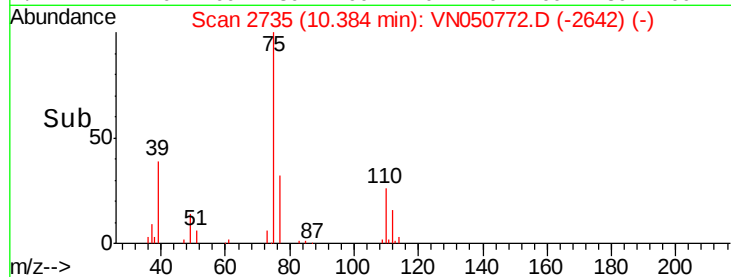
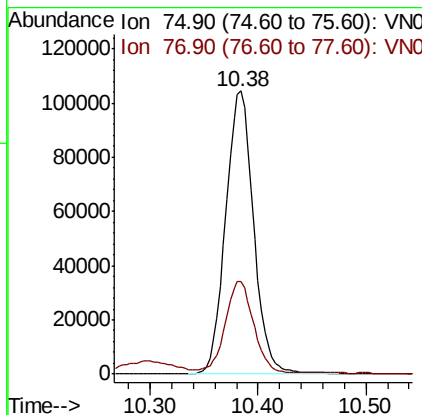
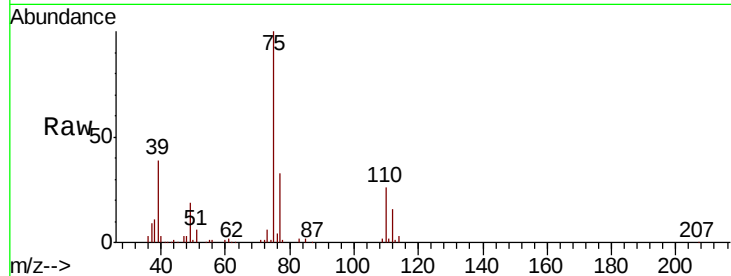
#53
 t-1,3-Dichloropropene
 Concen: 19.17 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.8	38.6

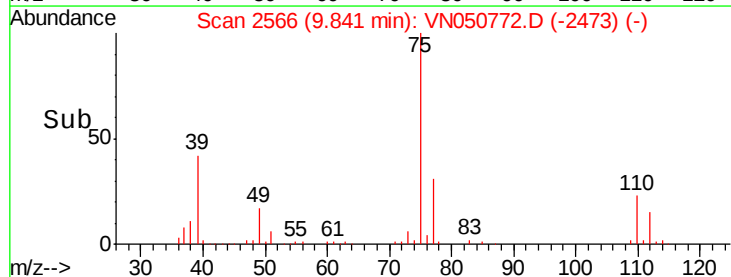
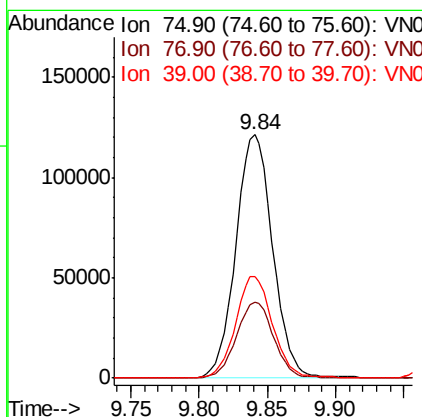
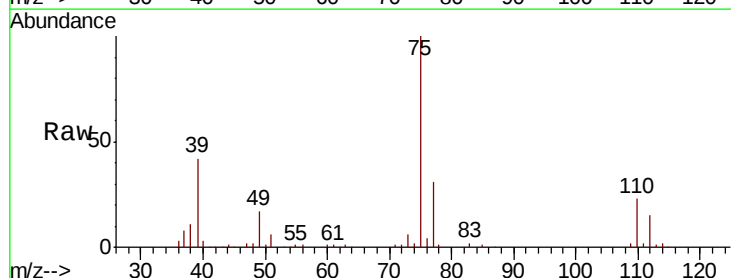
Manual Integrations
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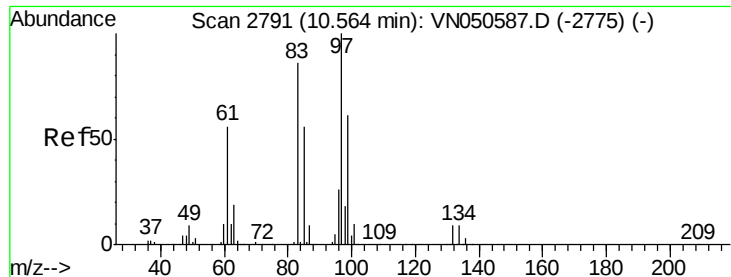
MMDadoda
 8/21/2018 2:13:24 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.13 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.6	38.4
39	41.9	34.4	51.6





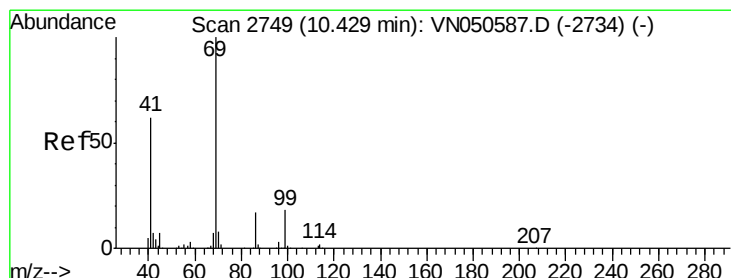
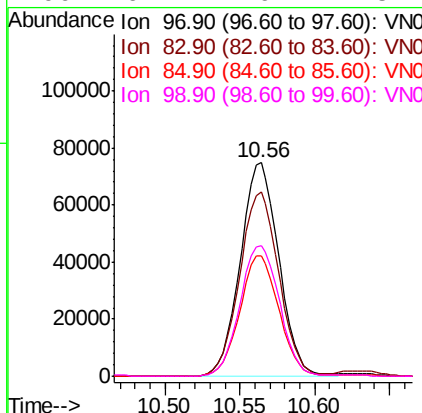
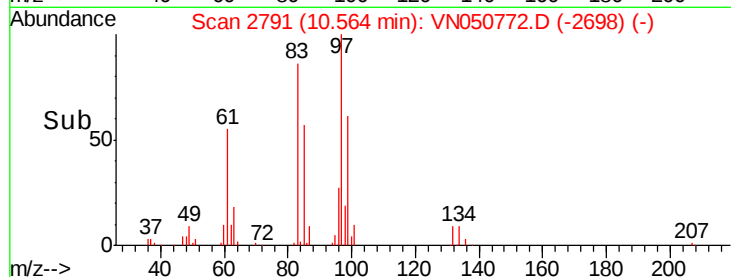
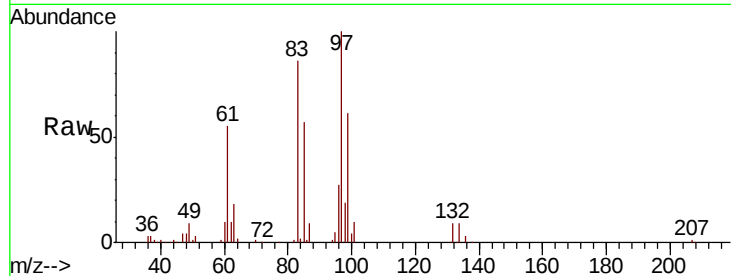
#55
 1,1,2-Trichloroethane
 Concen: 19.12 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		134376		
83	86.1	68.5	102.7		
85	56.6	44.6	66.8		
99	61.4	49.1	73.7		

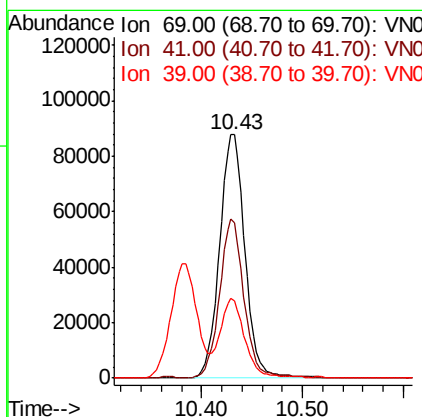
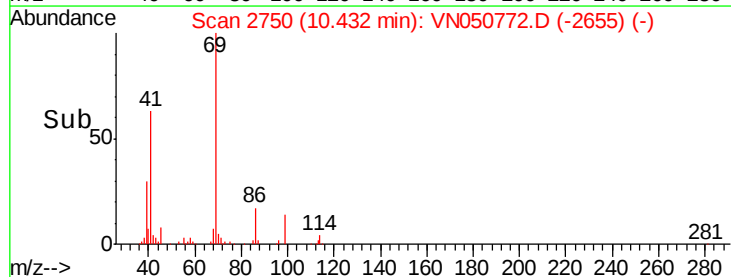
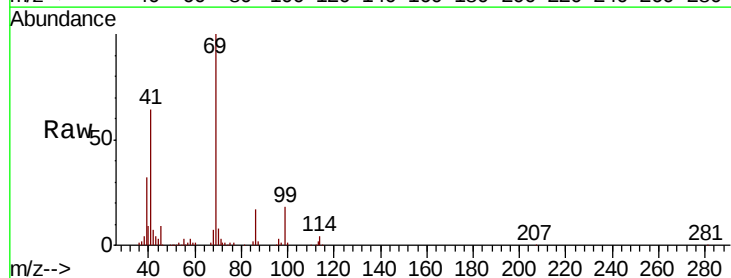
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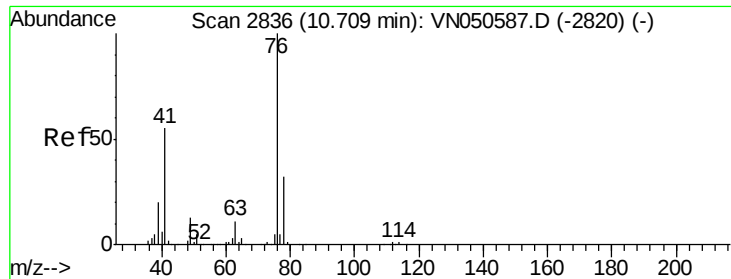
MMDadoda
 8/21/2018 2:13:24 PM



#56
 Ethyl methacrylate
 Concen: 18.41 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		153882		
41	62.7	49.7	74.5		
39	30.9	24.2	36.2		





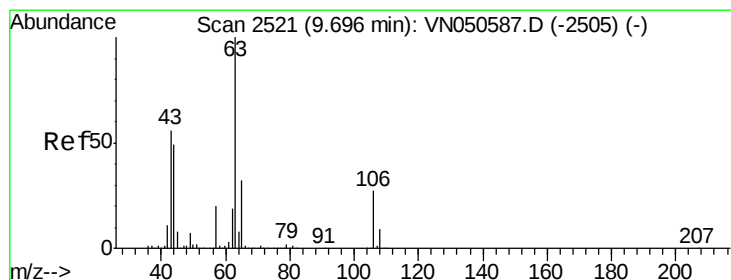
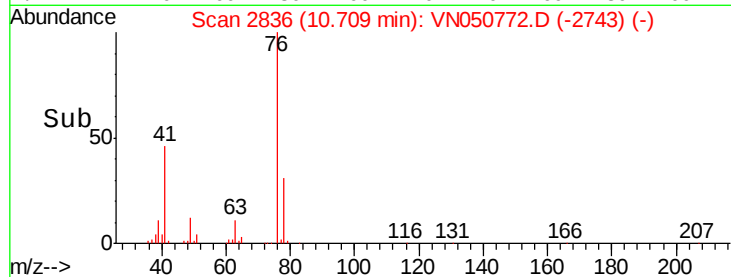
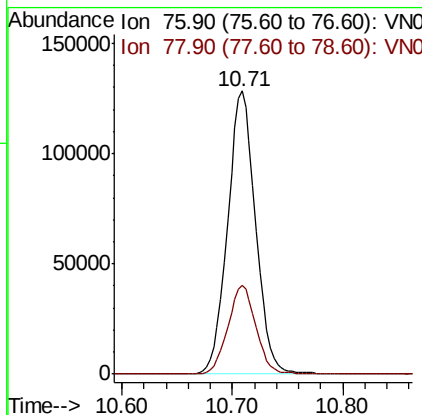
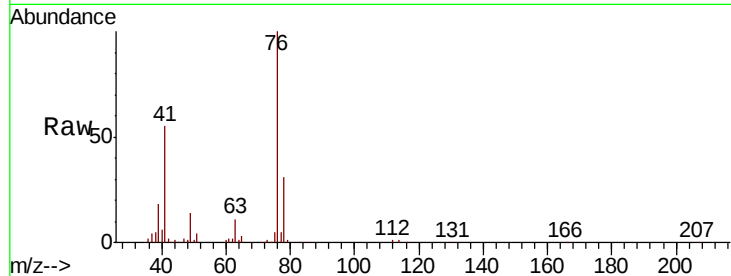
#57
 1,3-Dichloropropane
 Concen: 19.57 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.8	38.6

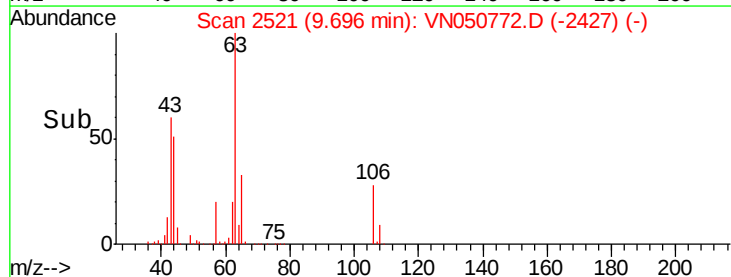
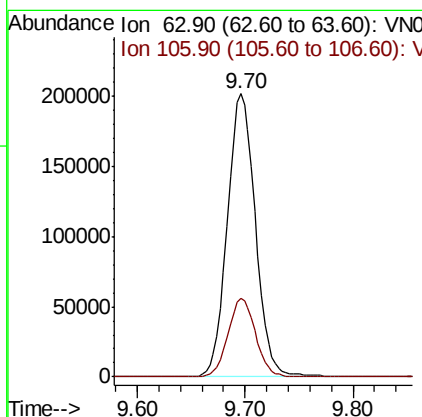
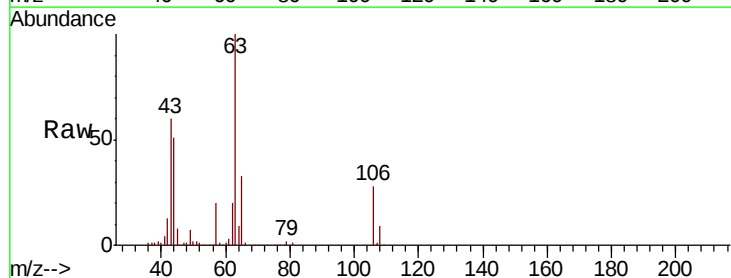
Manual Integrations
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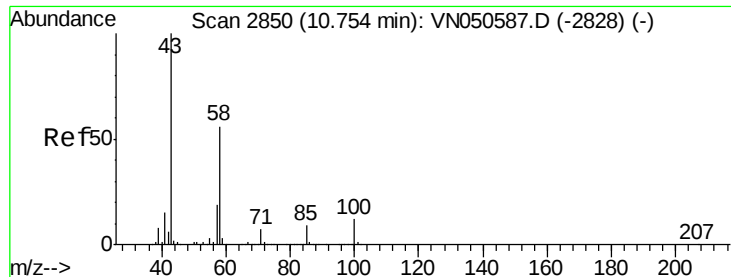
MMDadoda
 8/21/2018 2:13:24 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.33 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.7	32.5





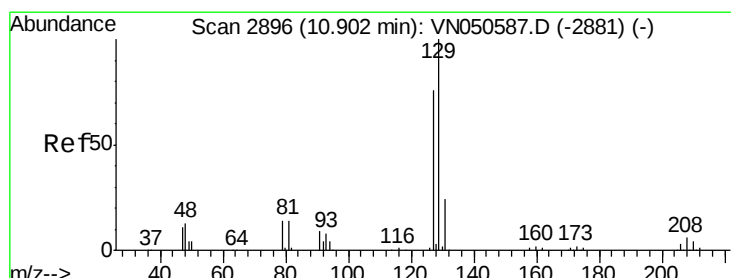
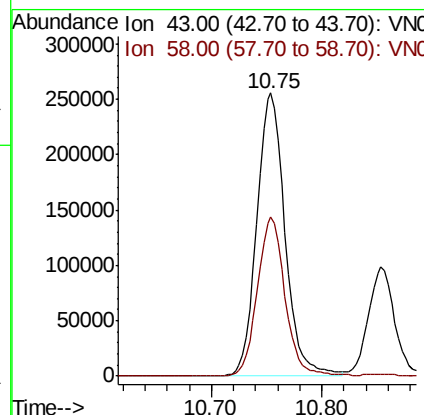
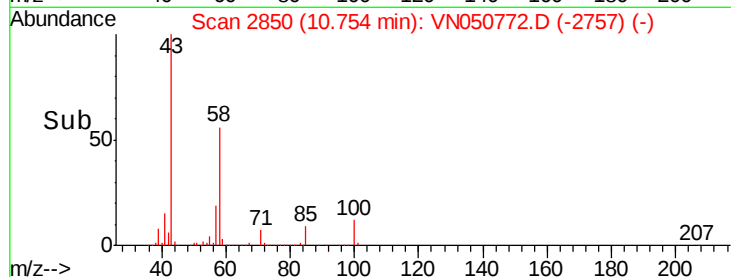
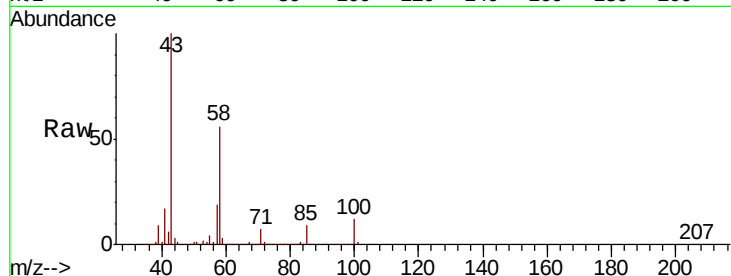
#59
2-Hexanone
Concen: 97.10 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	28.0	84.0

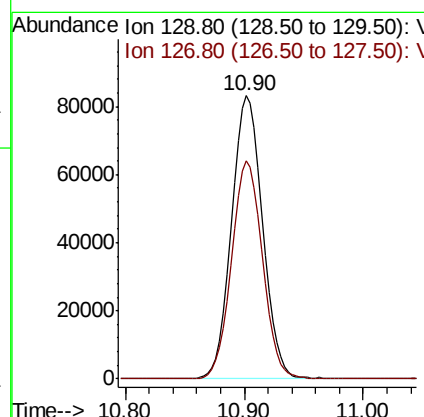
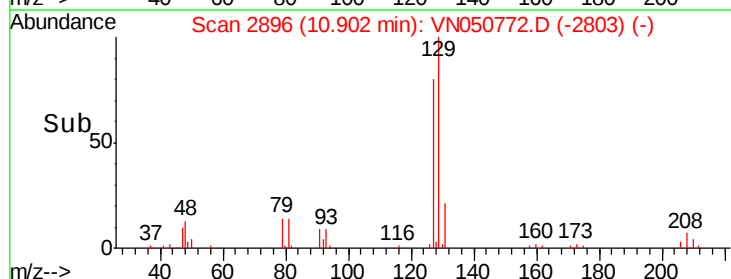
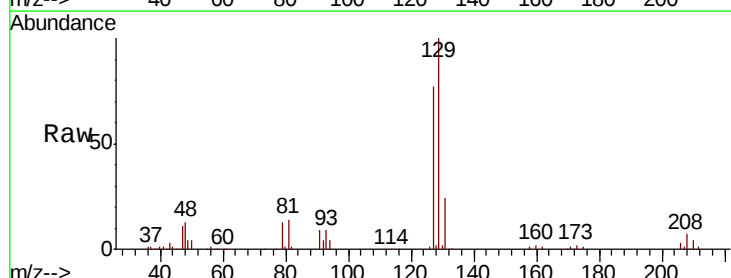
Manual Integrations
APPROVED

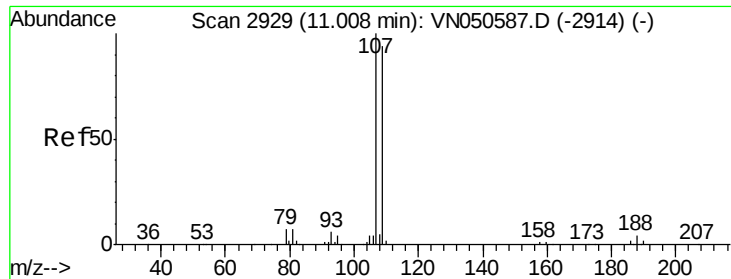
MMDadoda
8/21/2018 2:13:24 PM



#60
Dibromochloromethane
Concen: 19.37 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.9	116.7





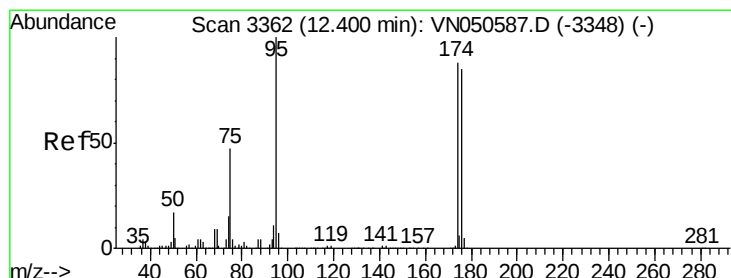
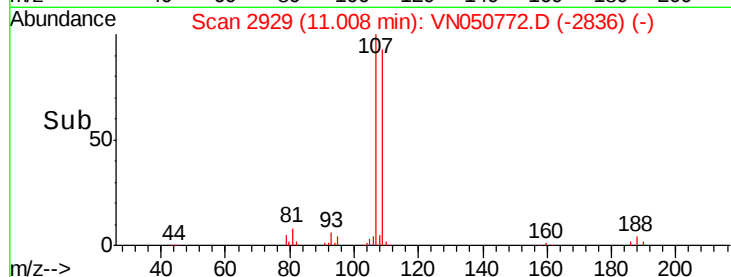
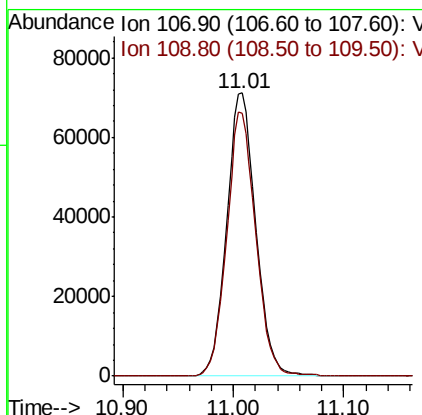
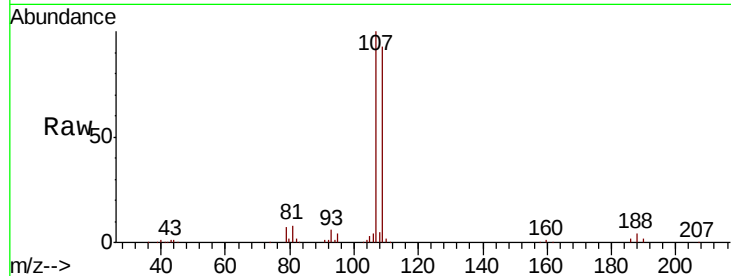
#61
 1,2-Dibromoethane
 Concen: 19.42 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	129998		
109	92.9	75.7	113.5	

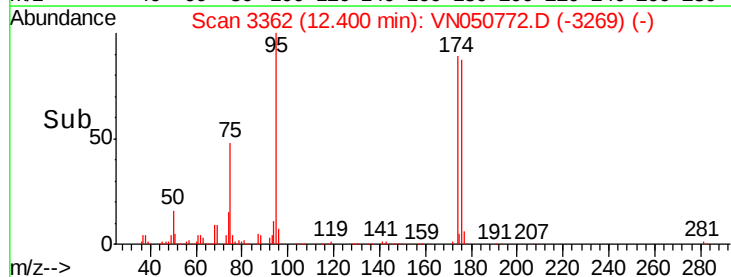
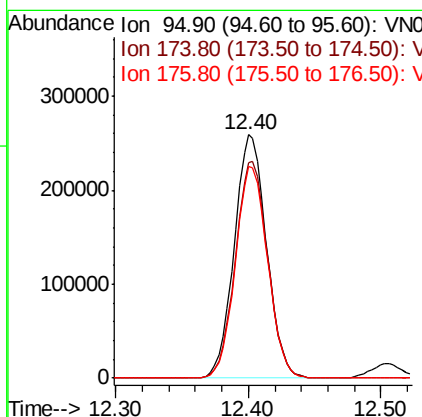
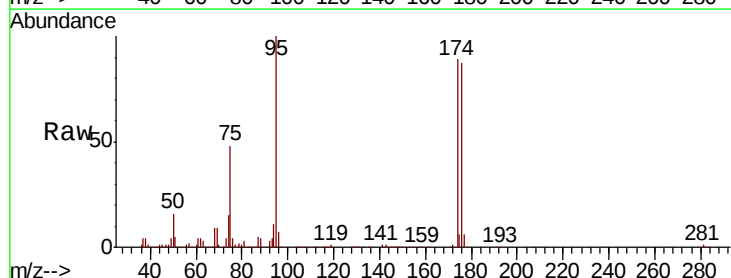
Manual Integrations
 APPROVED

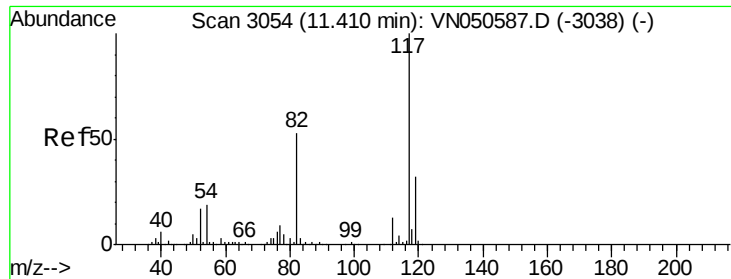
MMDadoda
 8/21/2018 2:13:24 PM



#62
 4-Bromofluorobenzene
 Concen: 47.17 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	435749		
174	89.9	0.0	177.8	
176	87.2	0.0	175.0	





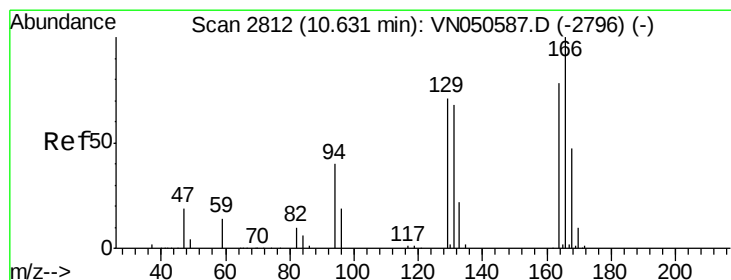
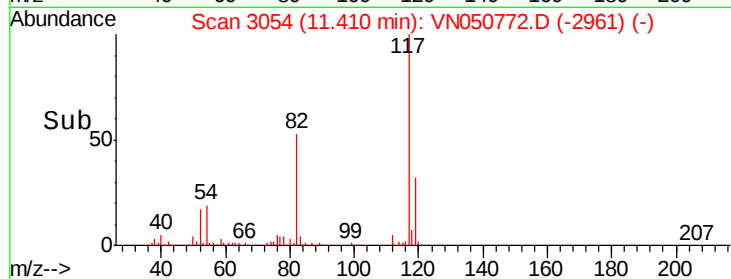
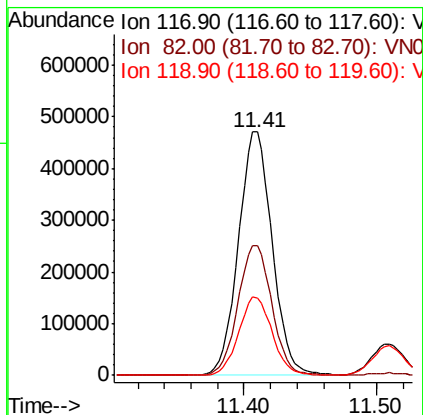
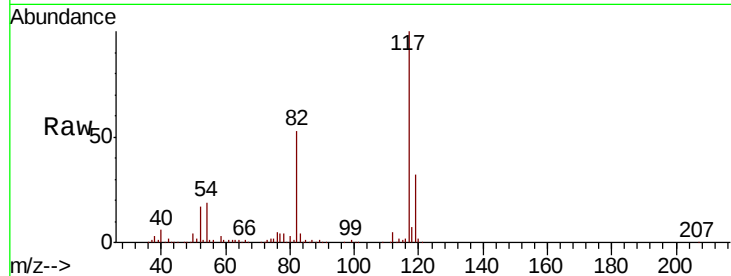
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.4	63.6
119	31.9	25.8	38.8

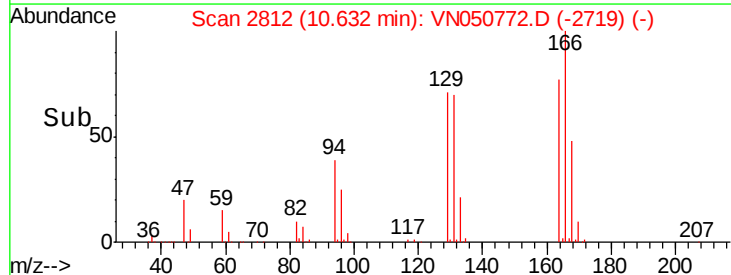
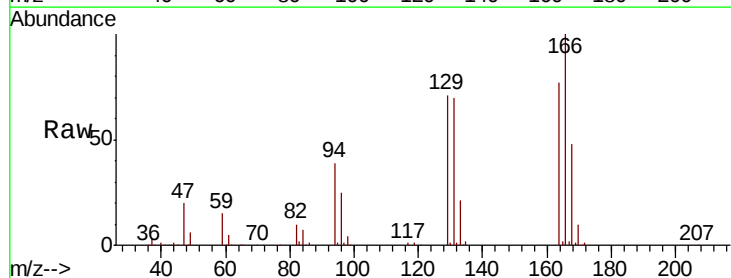
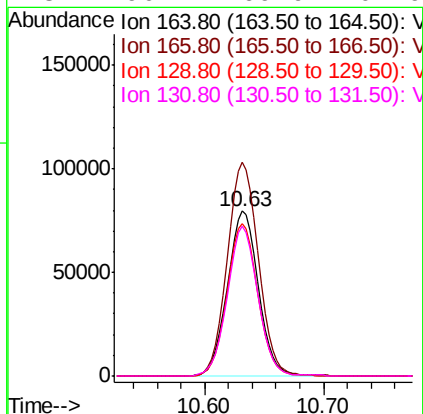
Manual Integrations
APPROVED

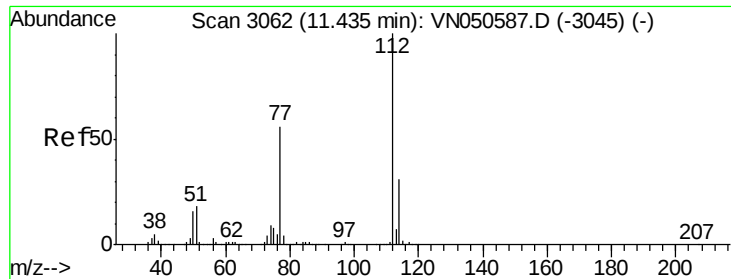
MMDadoda
8/21/2018 2:13:24 PM



#64
Tetrachloroethene
Concen: 18.54 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	102.1	153.1
129	92.3	72.7	109.1
131	90.7	69.9	104.9





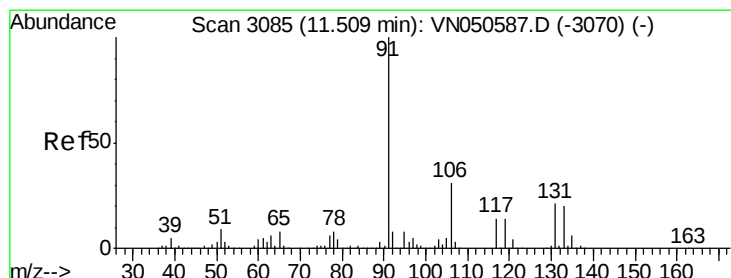
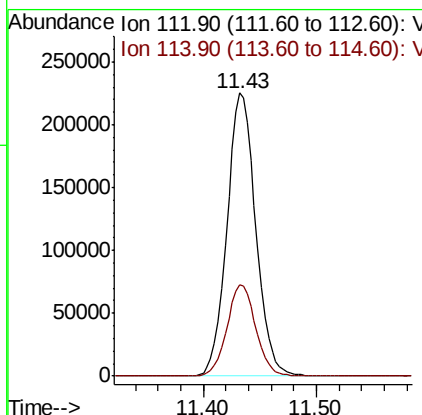
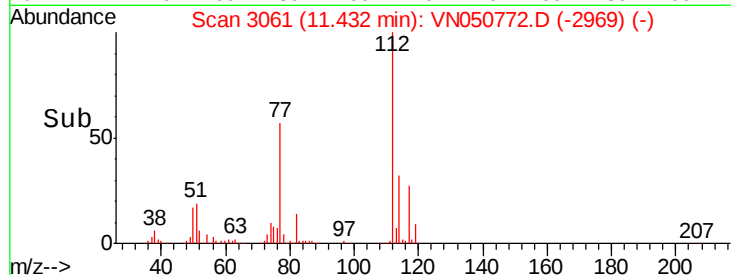
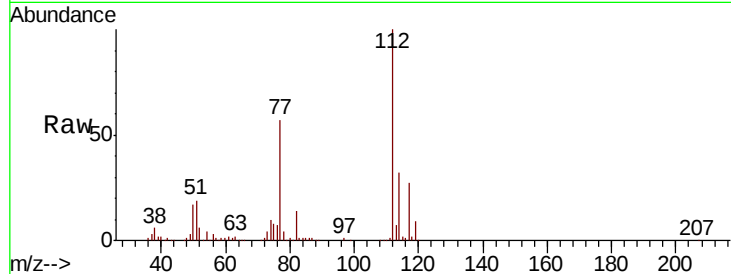
#65
Chlorobenzene
Concen: 19.22 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampled :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.2	37.8

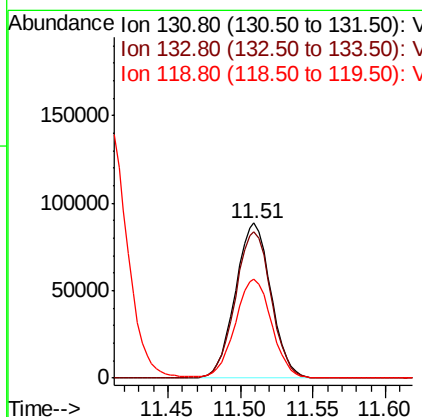
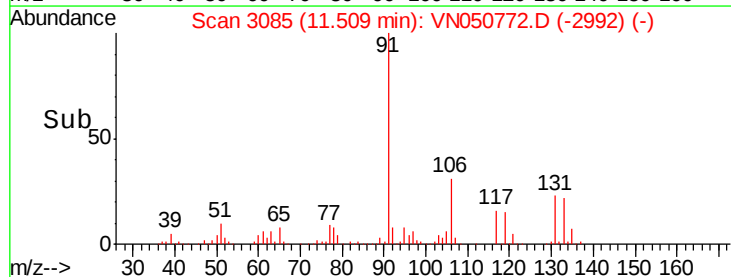
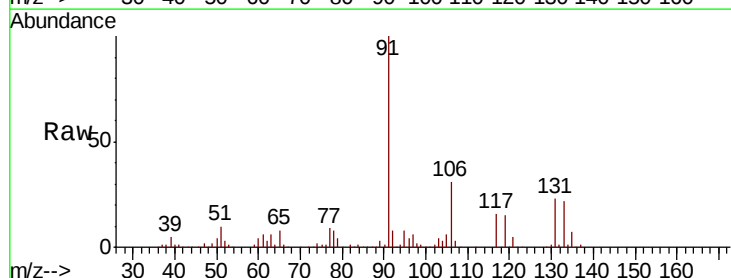
Manual Integrations
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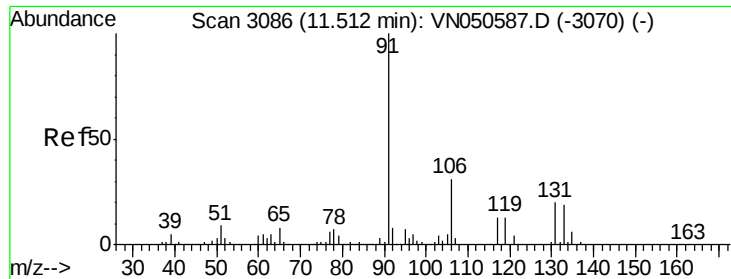
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.48 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.6	142.9
119	65.4	33.1	99.3





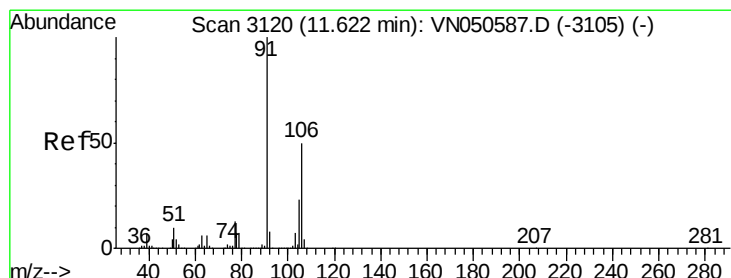
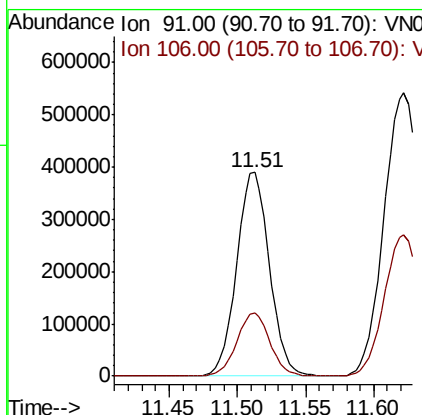
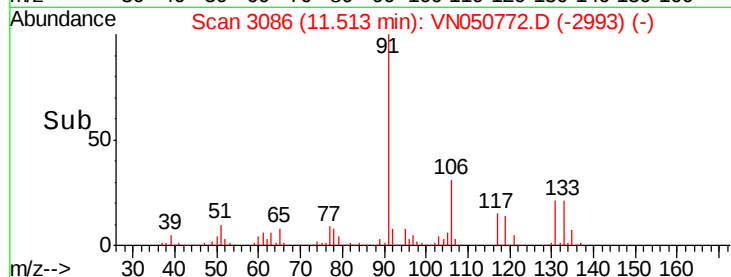
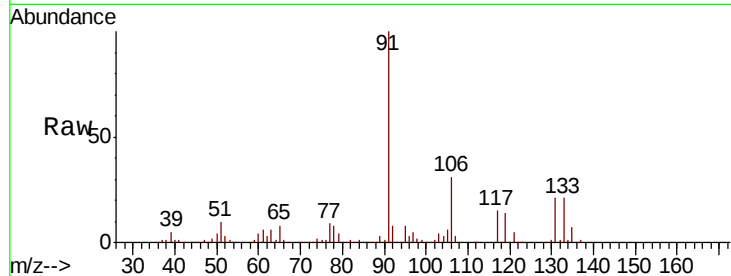
#67
Ethyl Benzene
Concen: 19.46 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampled :
VN0820WBSD02

Tot Ion: 91 Resp: 651099
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2

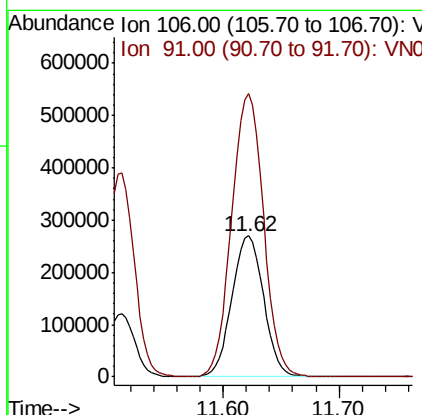
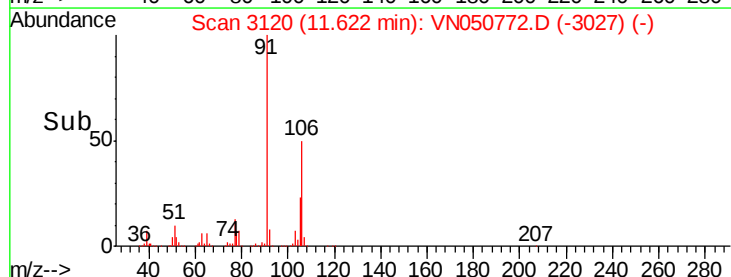
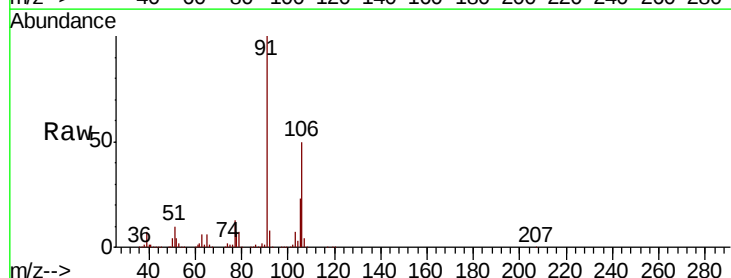
Manual Integrations
APPROVED

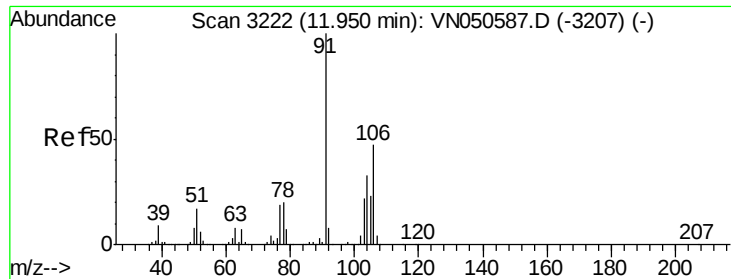
MMDadoda
8/21/2018 2:13:24 PM



#68
m/p-Xylenes
Concen: 40.06 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion: 106 Resp: 512585
Ion Ratio Lower Upper
106 100
91 201.7 161.5 242.3





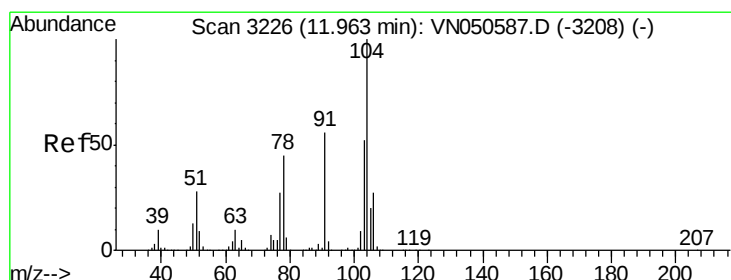
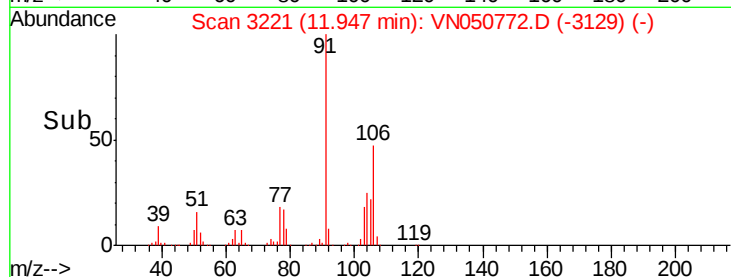
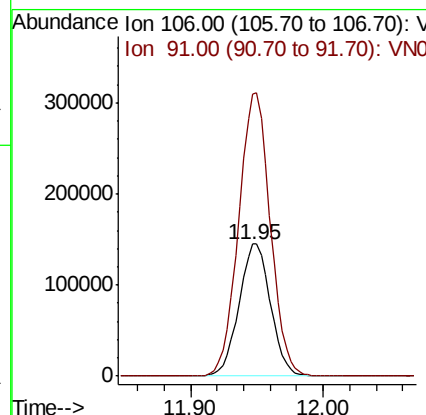
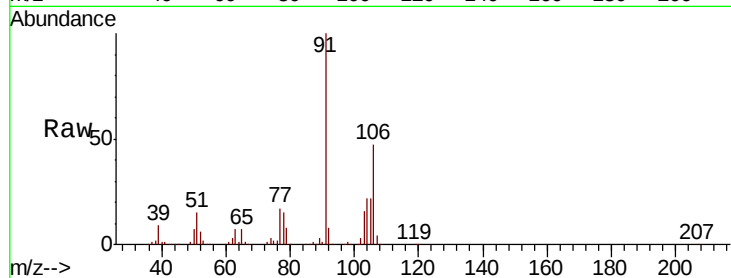
#69
o-Xylene
Concen: 19.69 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		240183		
91	214.5	106.8	320.4		

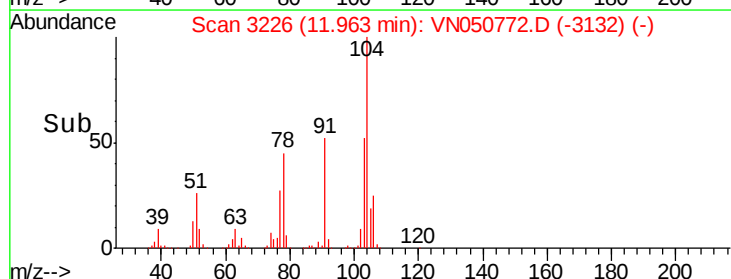
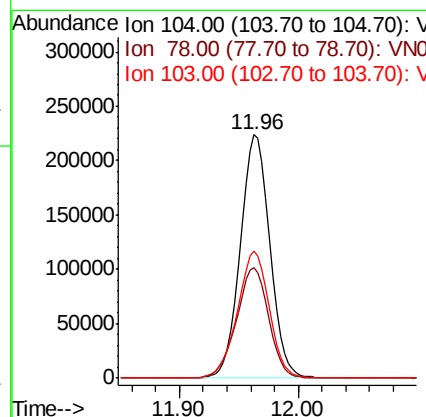
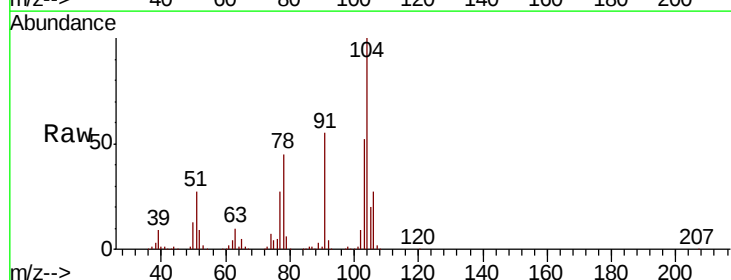
Manual Integrations
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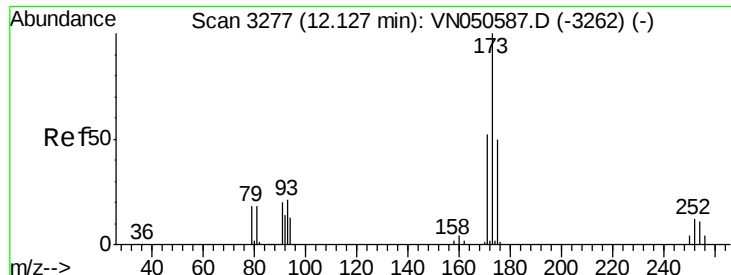
MMDadoda
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#70
Styrene
Concen: 18.39 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		385956		
78	49.5	39.1	58.7		
103	56.1	44.9	67.3		





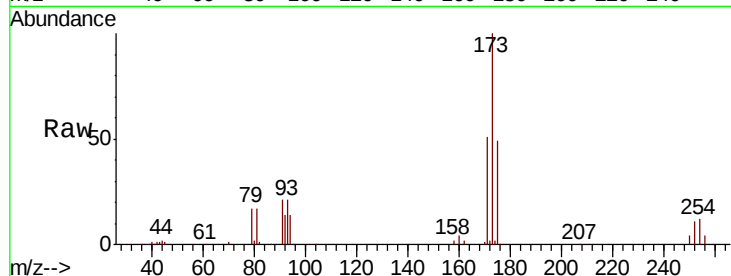
#71
Bromoform
Concen: 19.52 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

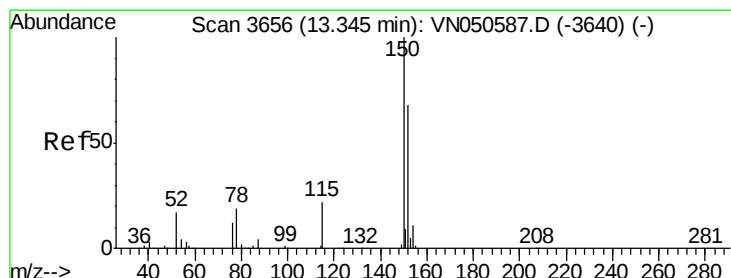
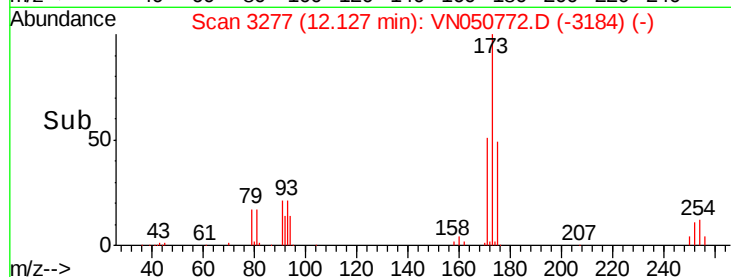
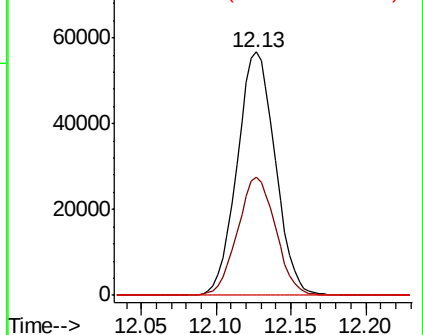
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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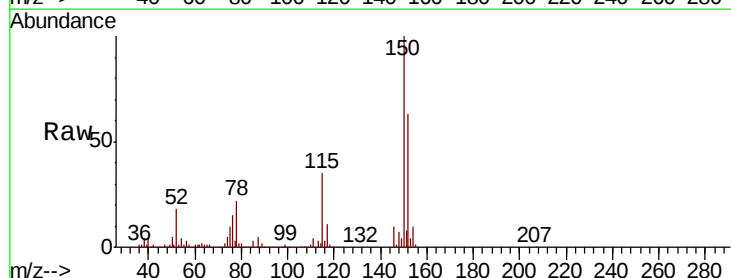


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

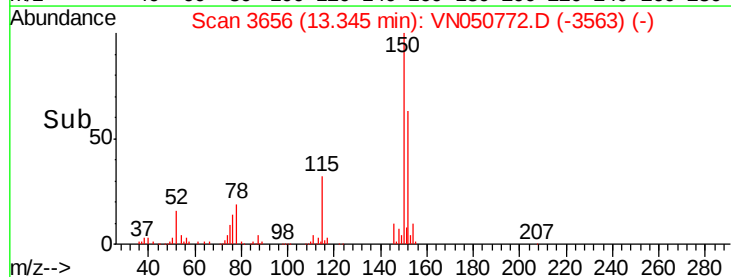
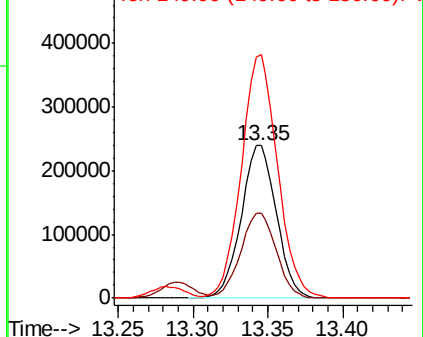


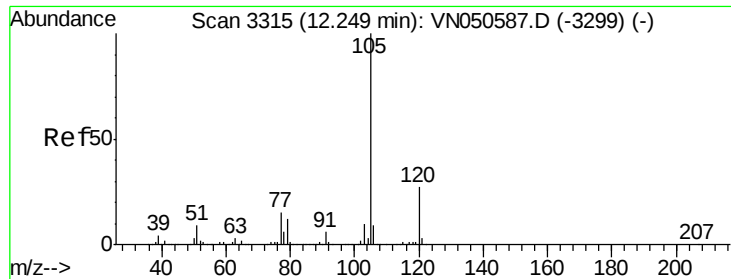
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.1	84.2
150	164.6	0.0	347.8



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





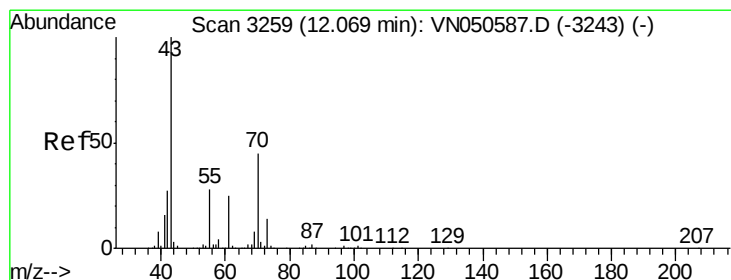
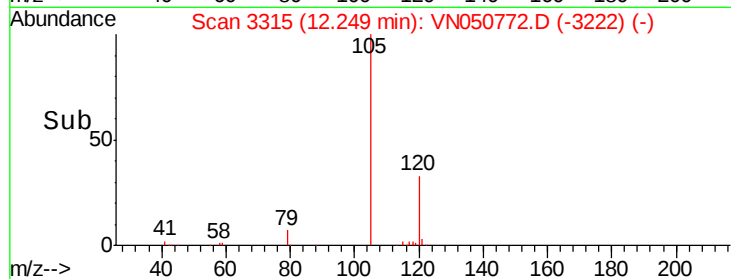
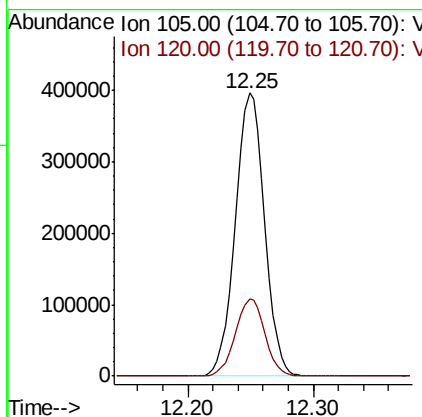
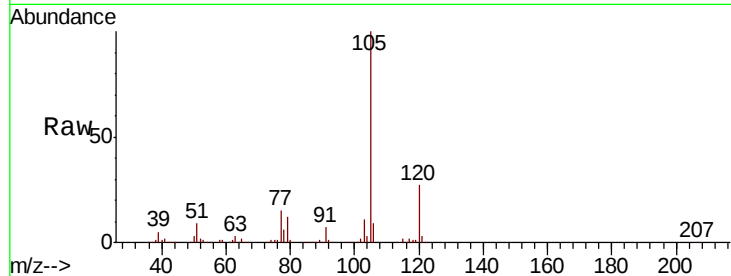
#73
Isopropylbenzene
Concen: 20.91 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.4	40.1

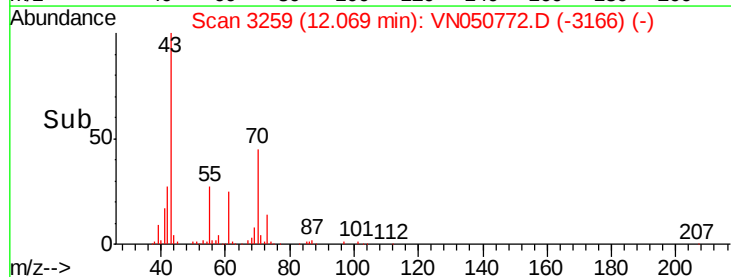
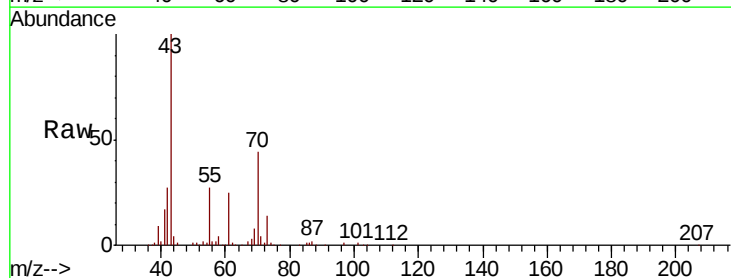
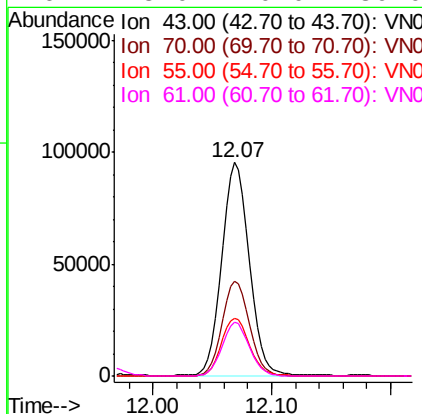
Manual Integrations
APPROVED

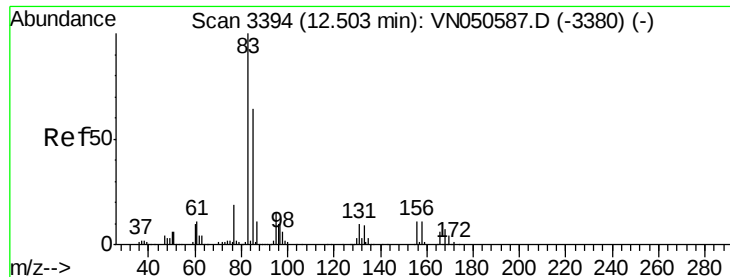
MMDadoda
8/21/2018 2:13:24 PM



#74
N-ethyl acetate
Concen: 19.13 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.4	35.9	53.9
55	27.9	22.2	33.4
61	25.0	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.94 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampled :

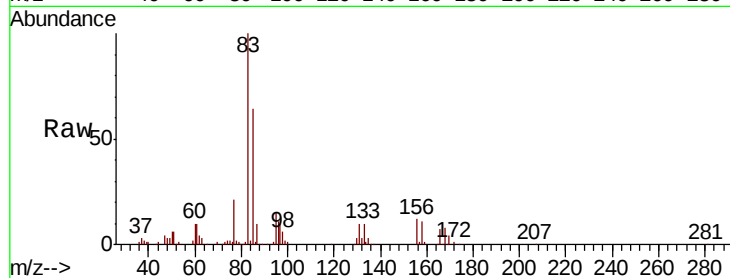
VN0820WBSD02

Tot Ion	83	Resp	164891
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	64.5	32.1	96.5

Manual Integrations
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MMDadoda

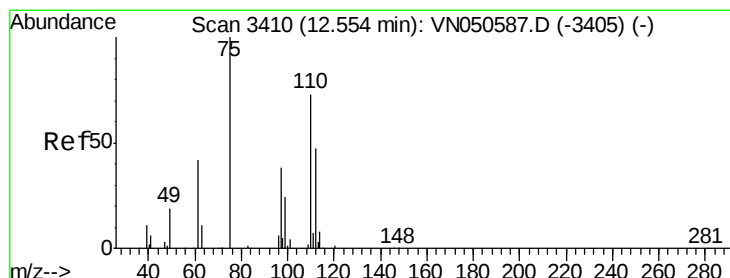
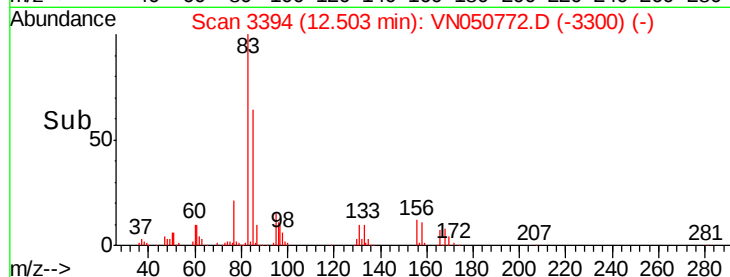
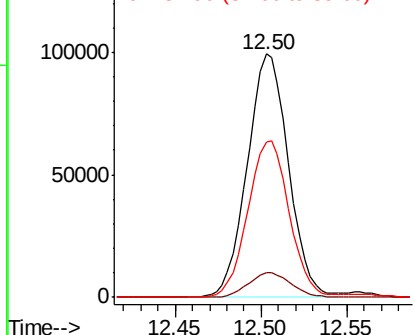
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Abundance Ion 82.90 (82.60 to 83.60): VN050772.D (-3300) (-)

Ion 130.80 (130.50 to 131.50): VN050772.D (-3300) (-)

Ion 84.90 (84.60 to 85.60): VN050772.D (-3300) (-)



#76

1,2,3-Trichloropropane

Concen: 21.31 ug/l m

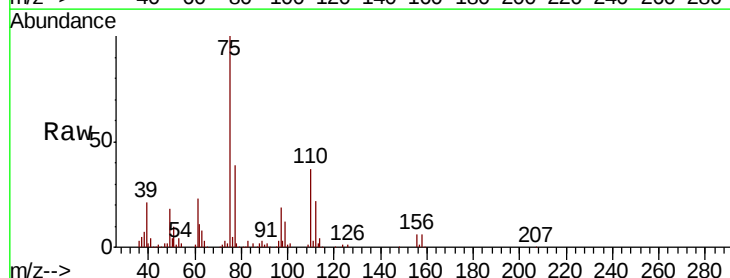
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050772.D

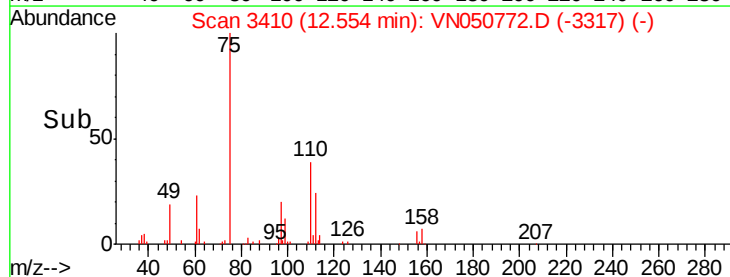
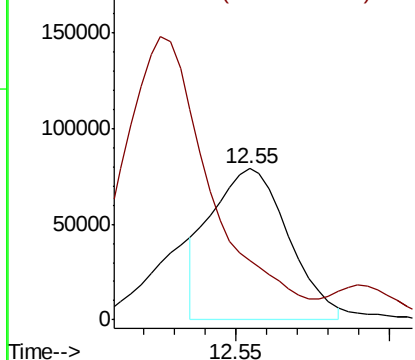
Acq: 20 Aug 2018 14:21

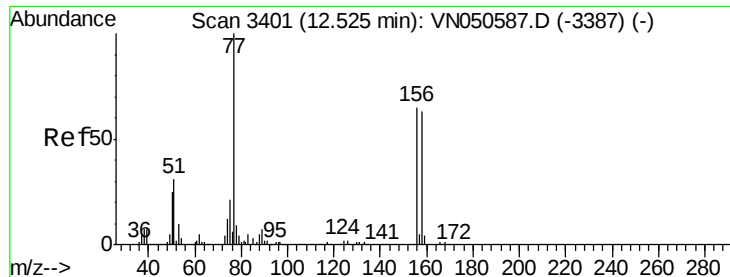
Tgt Ion	75	Resp	138331
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050772.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN050772.D (-3317) (-)





#77

Bromobenzene

Concen: 19.90 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

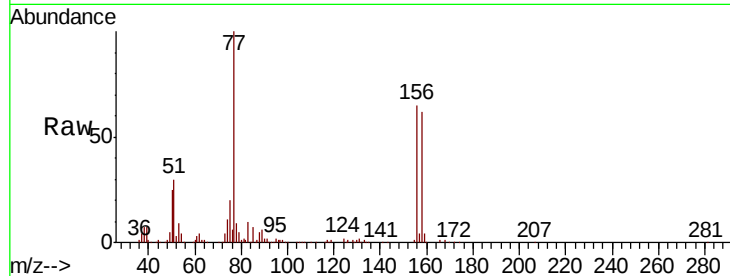
VN0820WBSD02

Tot Ion:	156	Resp:	165083
Ion Ratio	Lower	Upper	
156	100		
77	180.2	89.0	267.1
158	97.6	48.5	145.6

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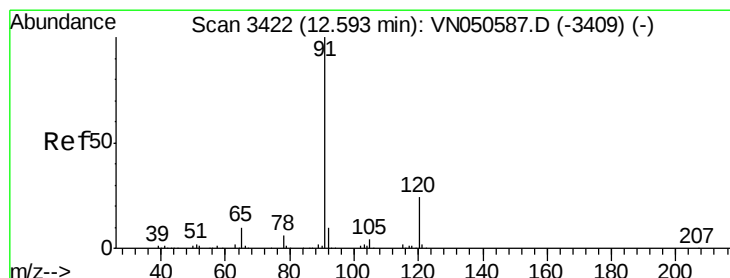
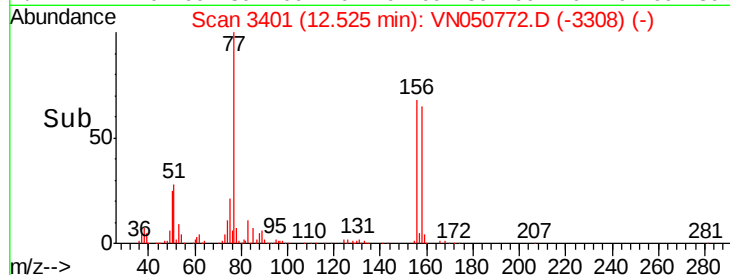
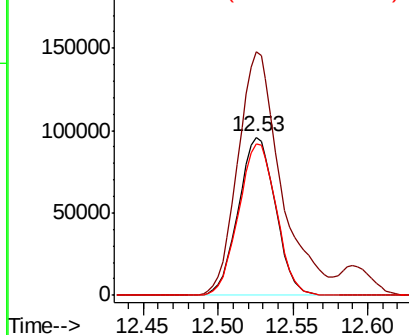
8/21/2018 2:13:24 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.90 ug/l

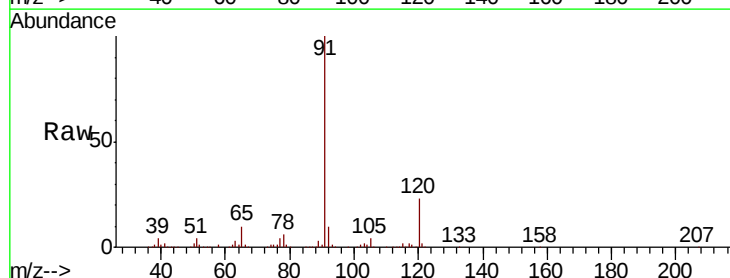
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050772.D

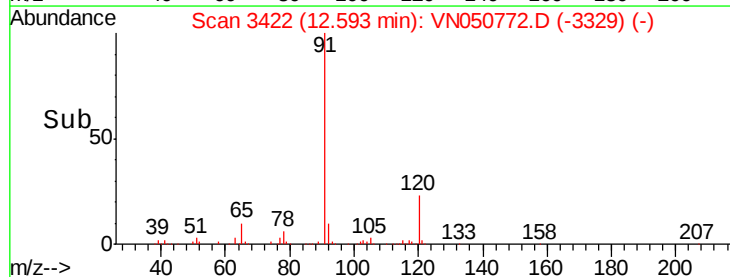
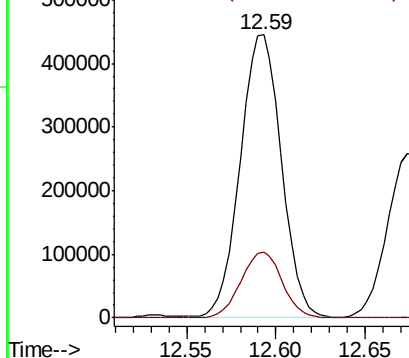
Acq: 20 Aug 2018 14:21

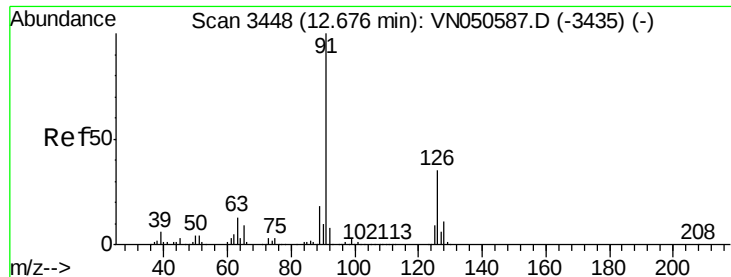
Tgt Ion:	91	Resp:	712037
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.57 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion: 91 Resp: 436868

Ion Ratio Lower Upper

91 100

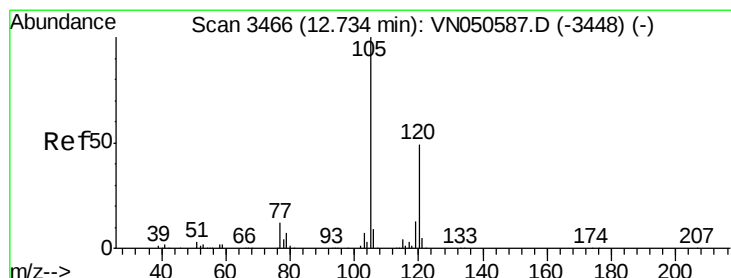
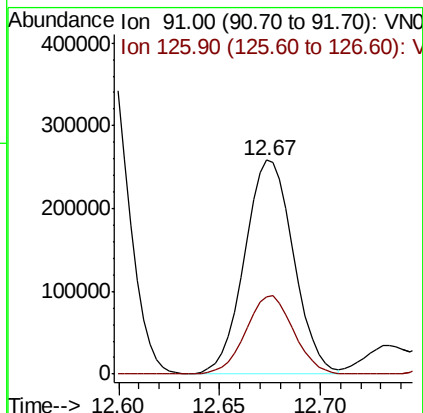
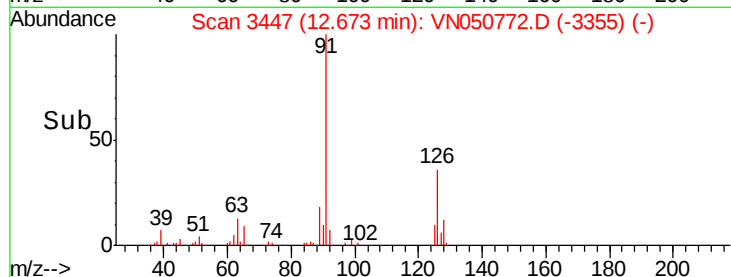
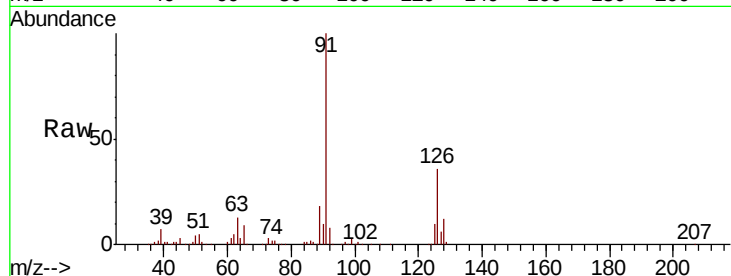
126 36.1 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.24 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050772.D

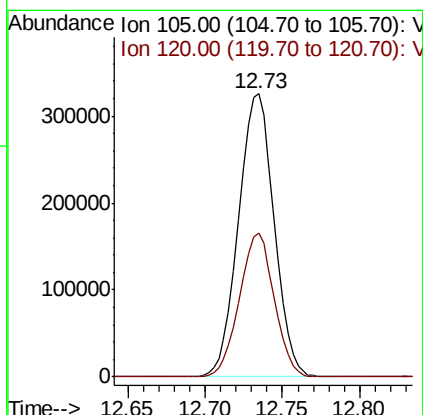
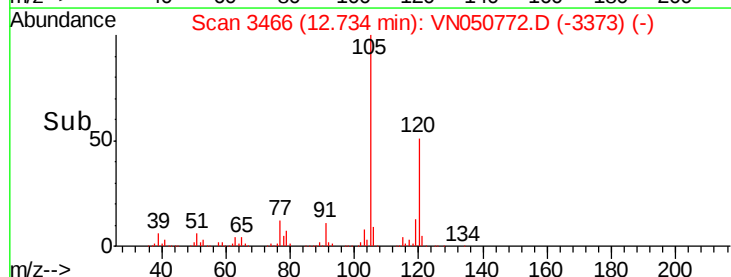
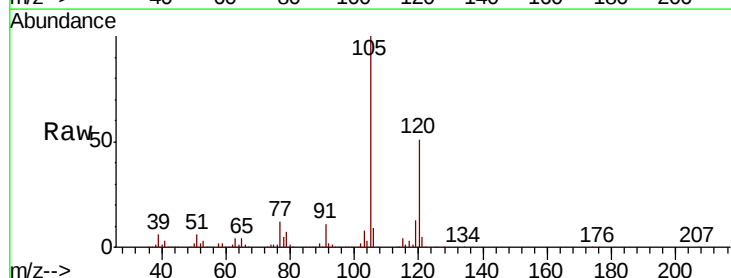
Acq: 20 Aug 2018 14:21

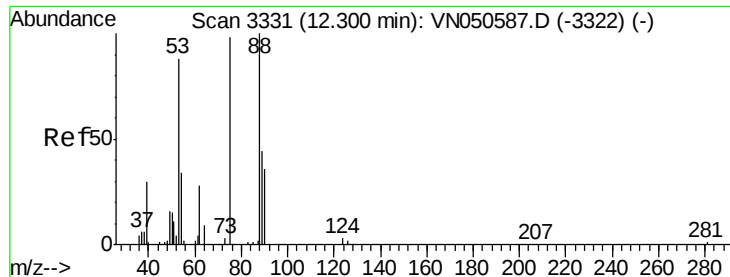
Tgt Ion: 105 Resp: 519662

Ion Ratio Lower Upper

105 100

120 49.8 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.34 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion: 75 Resp: 35783

Ion Ratio Lower Upper

75 100

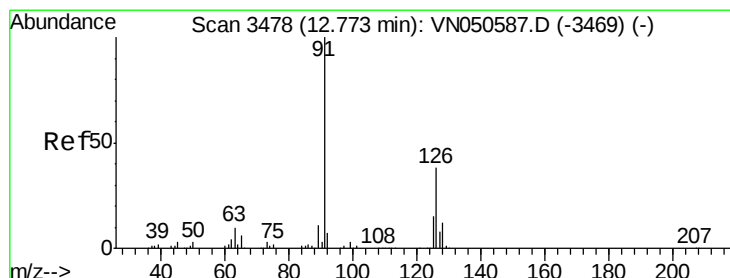
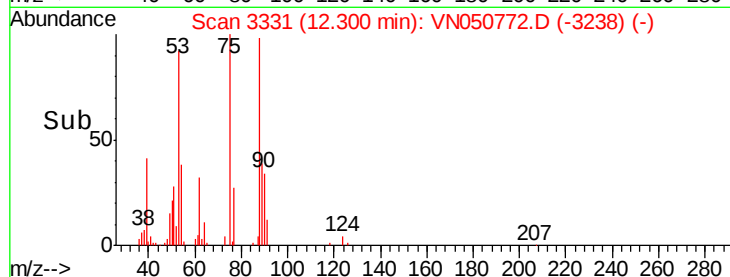
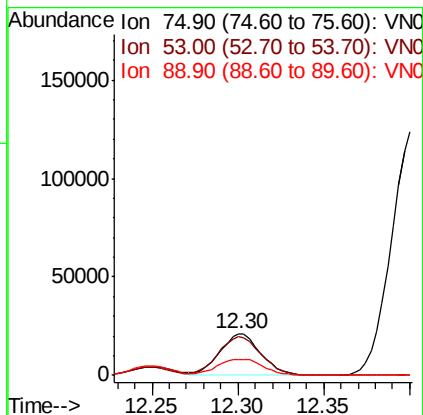
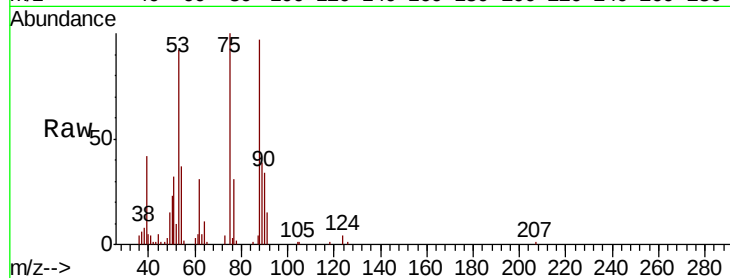
53 94.7 72.2 108.2

89 43.3 36.3 54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.59 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050772.D

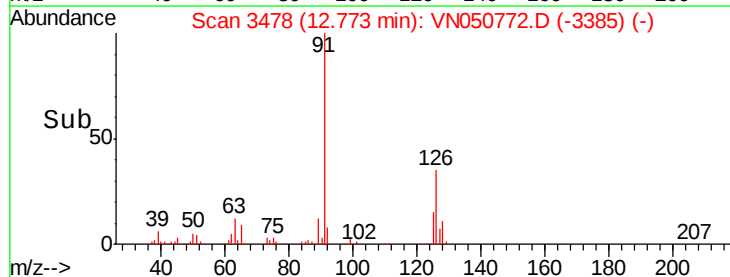
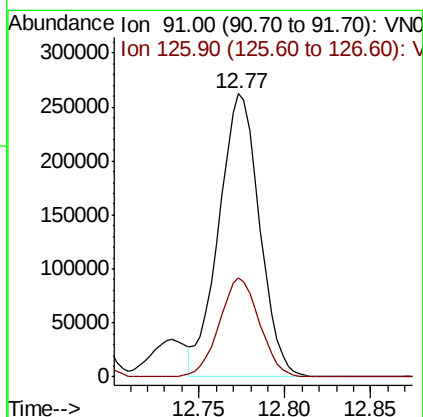
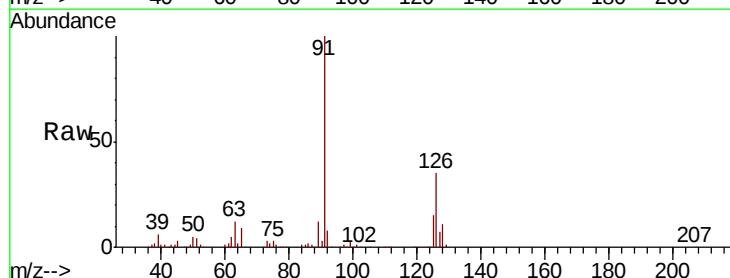
Acq: 20 Aug 2018 14:21

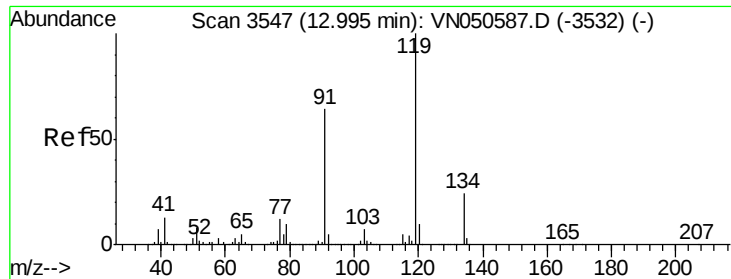
Tgt Ion: 91 Resp: 432249

Ion Ratio Lower Upper

91 100

126 34.7 17.3 52.0





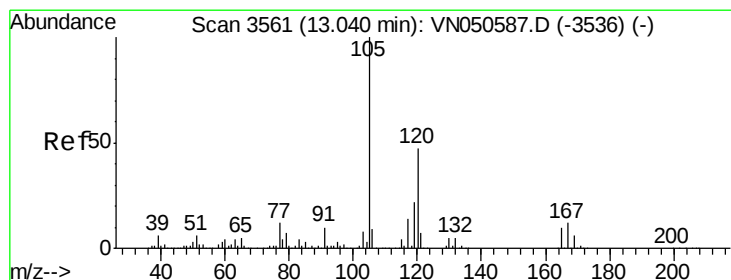
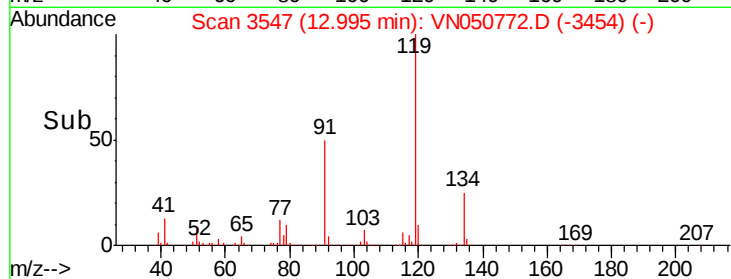
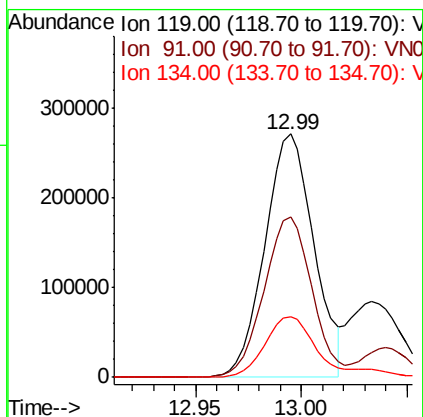
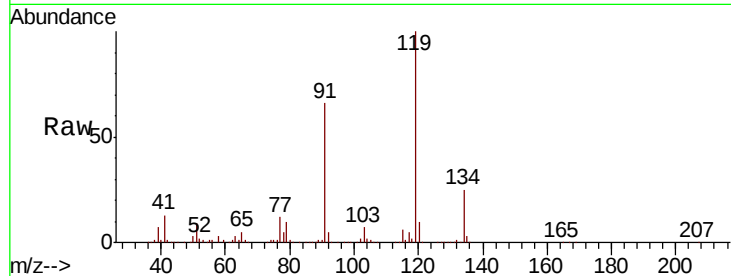
#83
tert-Butylbenzene
Concen: 20.73 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.2	96.6
134	27.7	13.4	40.2

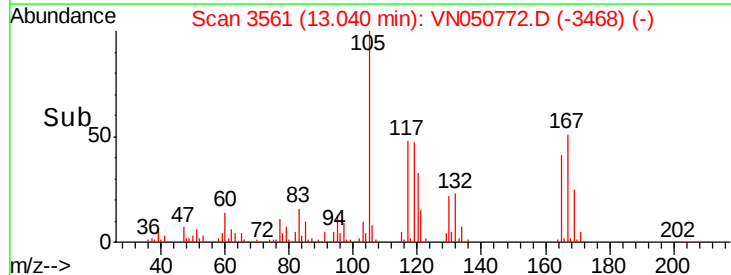
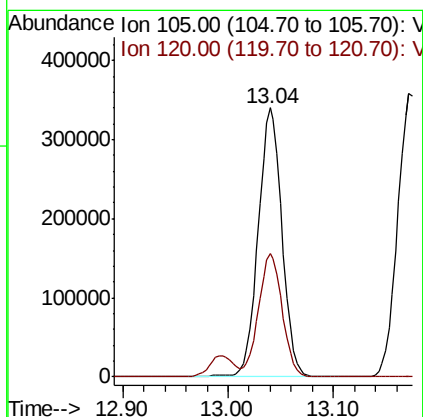
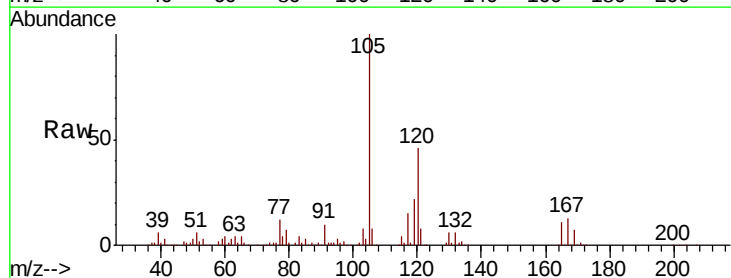
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 21.75 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.2	69.5





#85

sec-Butylbenzene

Concen: 21.08 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion:105 Resp: 584872

Ion Ratio Lower Upper

105 100

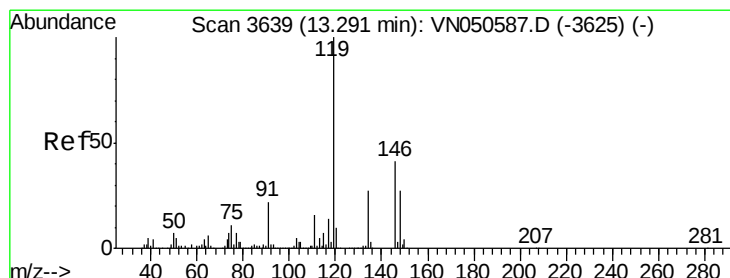
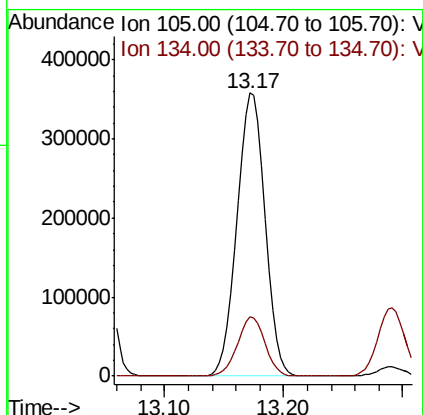
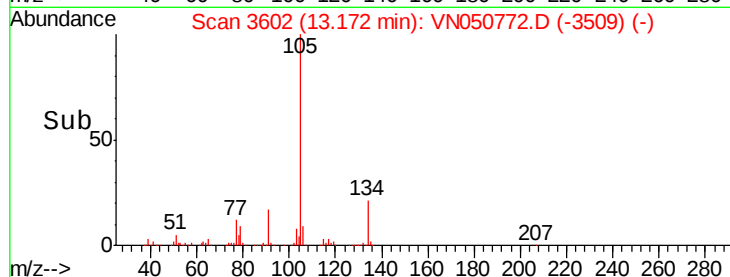
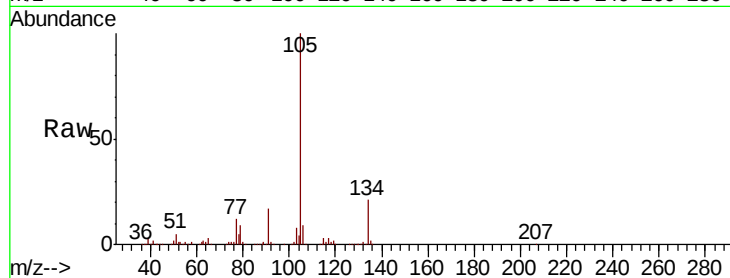
134 20.4 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.30 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

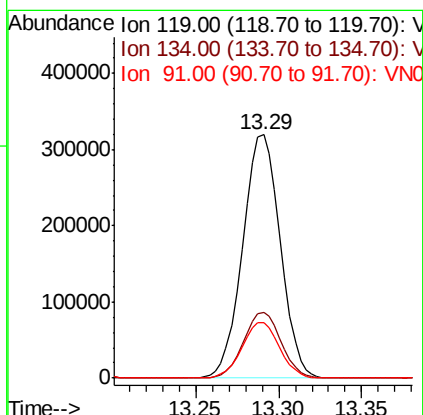
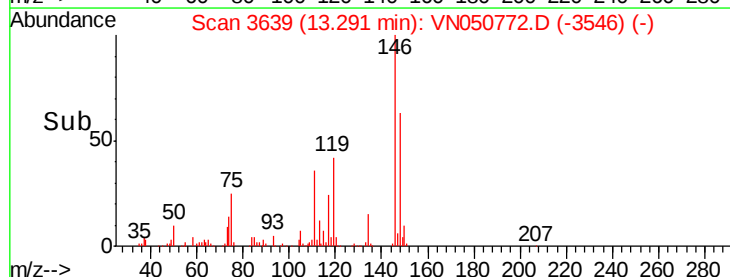
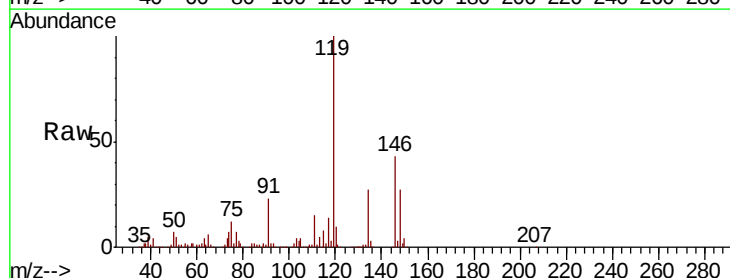
Tgt Ion:119 Resp: 500815

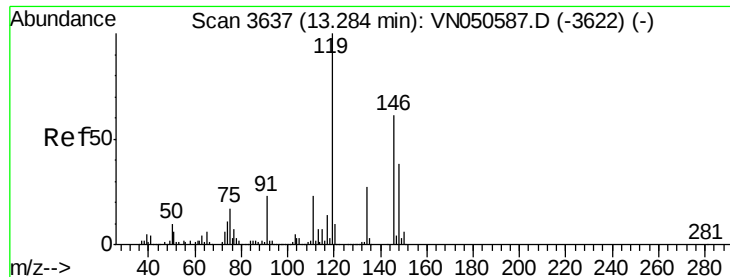
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 22.9 11.2 33.6





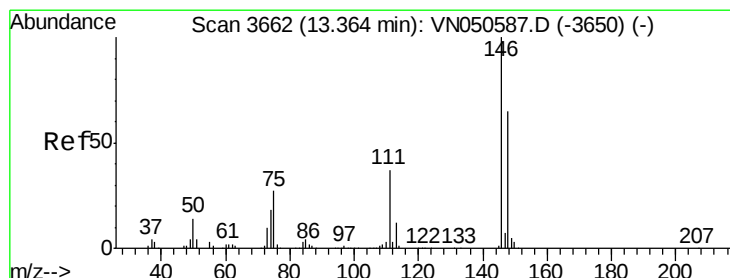
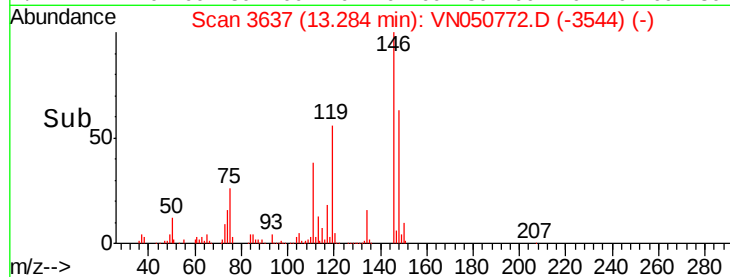
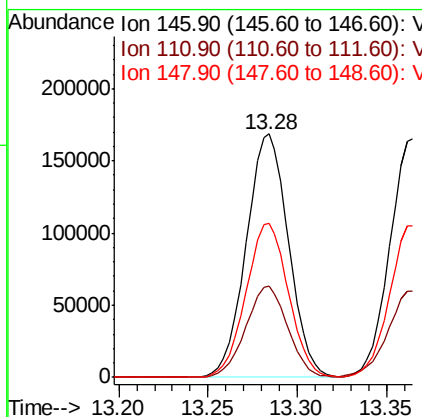
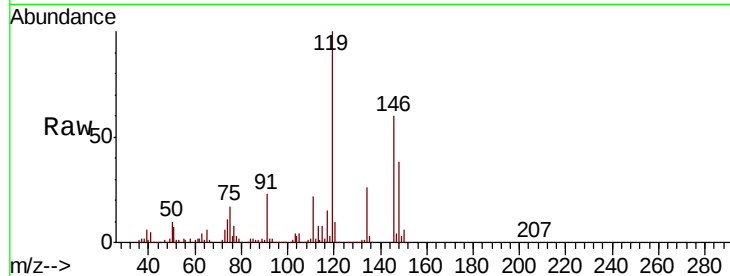
#87
 1,3-Dichlorobenzene
 Concen: 19.80 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.2	57.6
148	63.6	31.9	95.7

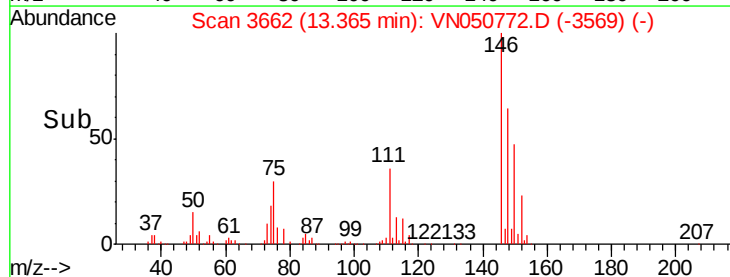
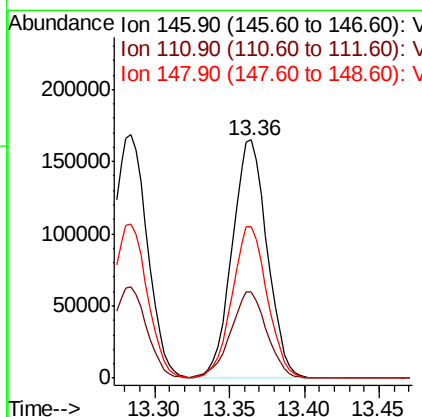
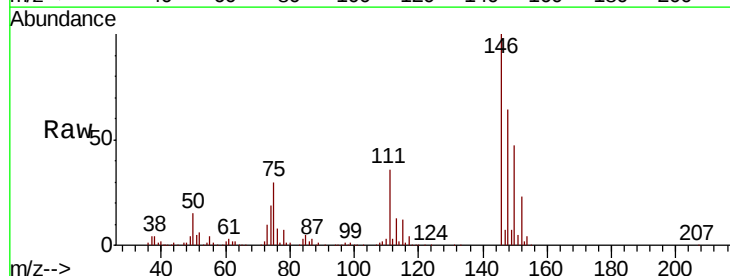
Manual Integrations
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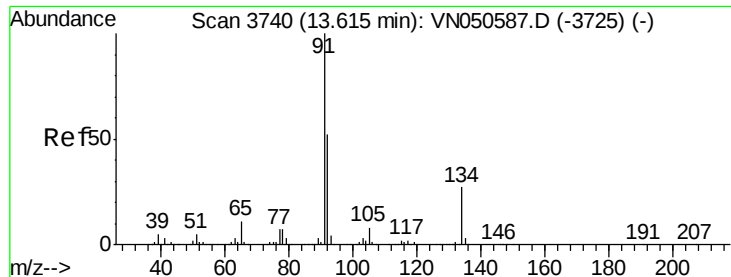
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#88
 1,4-Dichlorobenzene
 Concen: 19.16 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.4
148	64.1	32.3	96.8





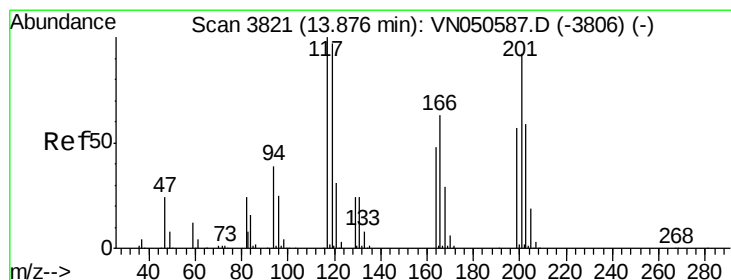
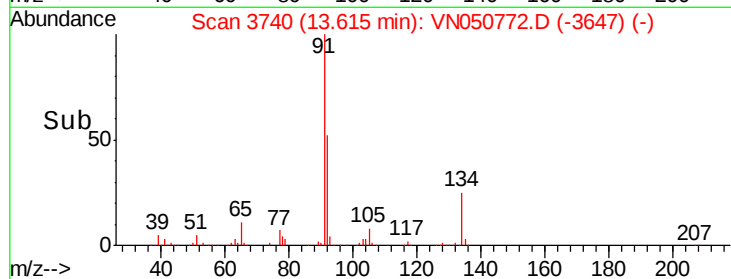
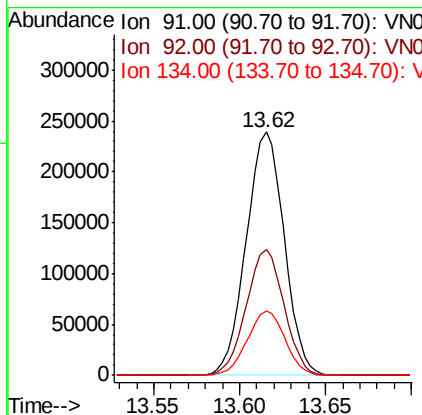
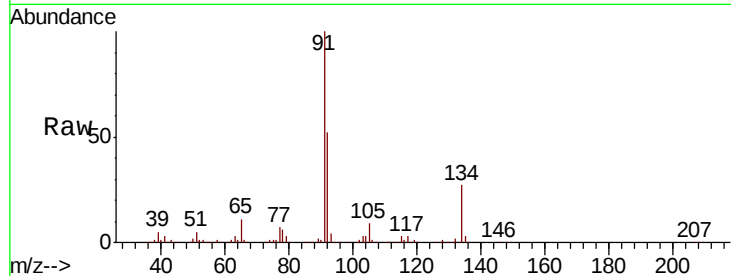
#89
n-Butylbenzene
Concen: 19.37 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampled :
VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.3	78.8
134	26.2	13.3	39.9

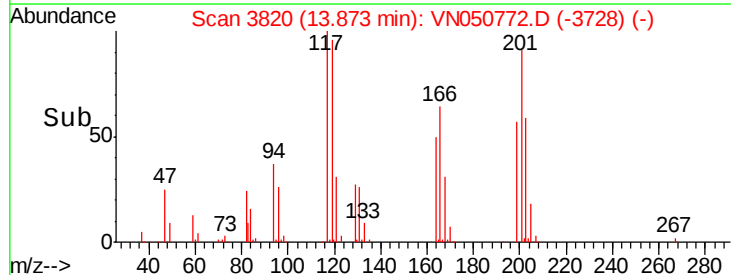
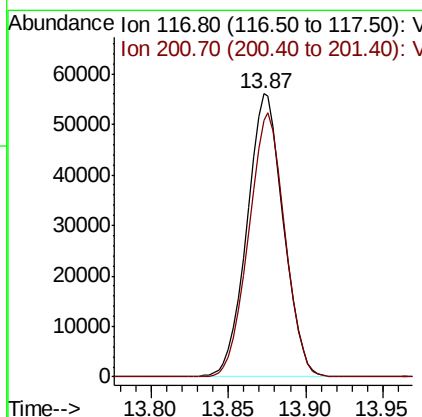
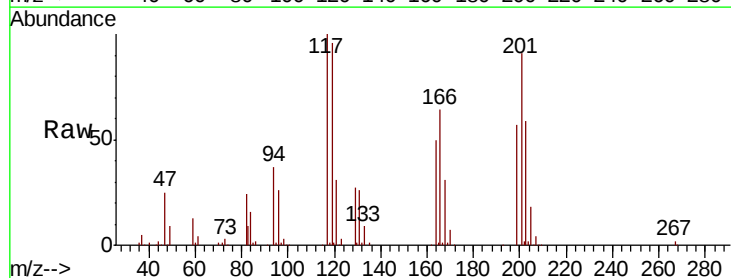
Manual Integrations
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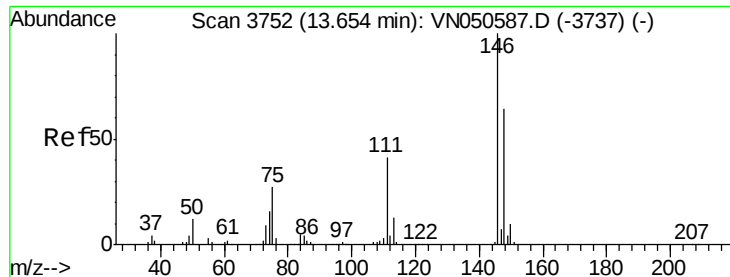
MMDadoda
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#90
Hexachloroethane
Concen: 19.49 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.2	45.5	136.5





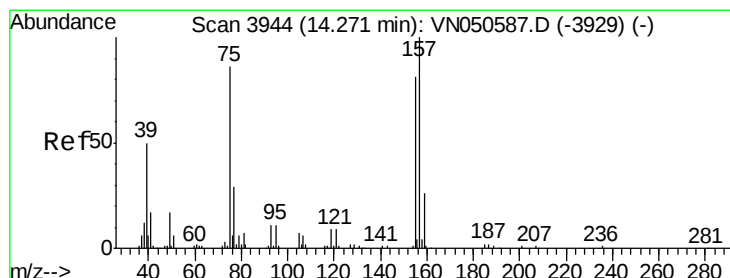
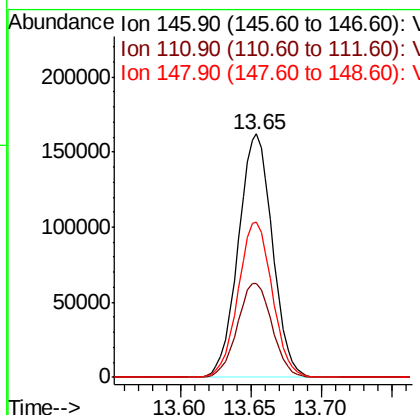
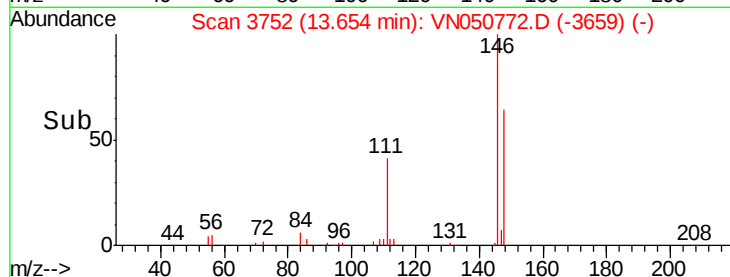
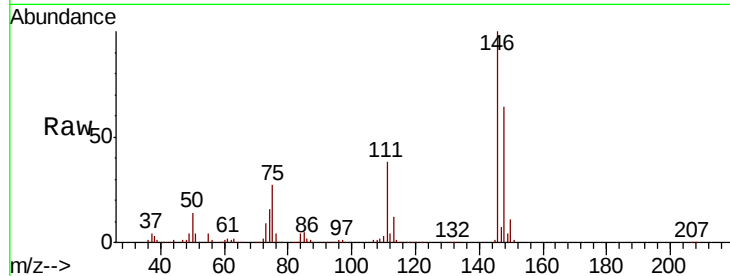
#91
 1,2-Dichlorobenzene
 Concen: 19.94 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion:	146	Resp:	274674
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.8	59.4
148	63.9	32.3	96.8

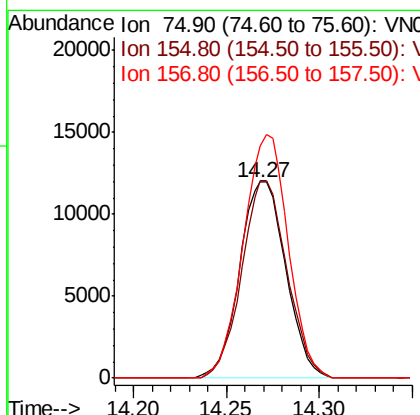
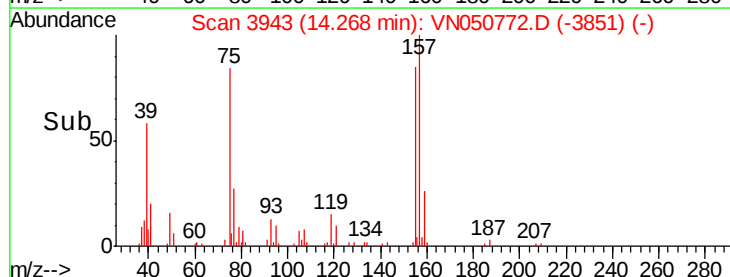
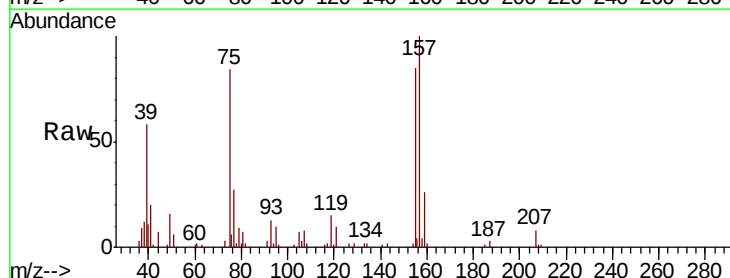
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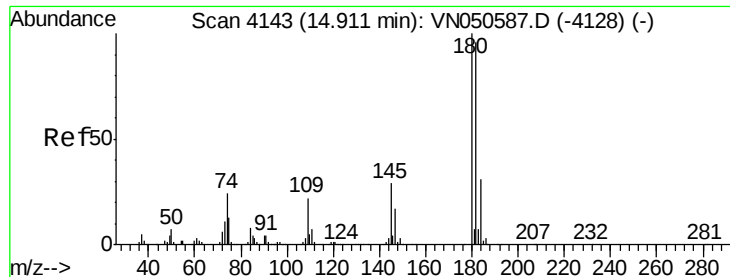
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.06 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion:	75	Resp:	20779
Ion Ratio	Lower	Upper	
75	100		
155	98.2	46.6	139.8
157	120.6	58.1	174.2





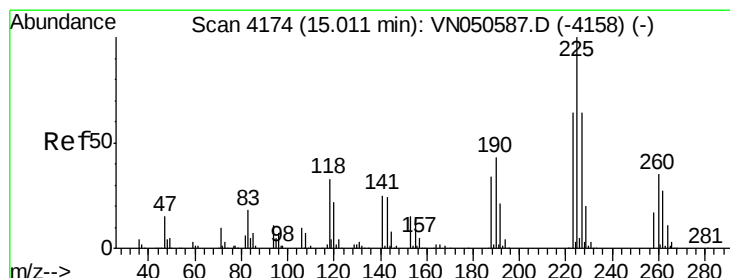
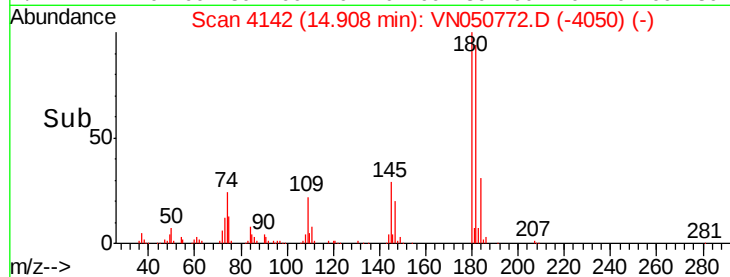
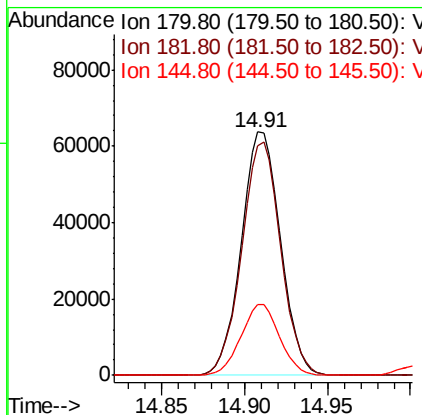
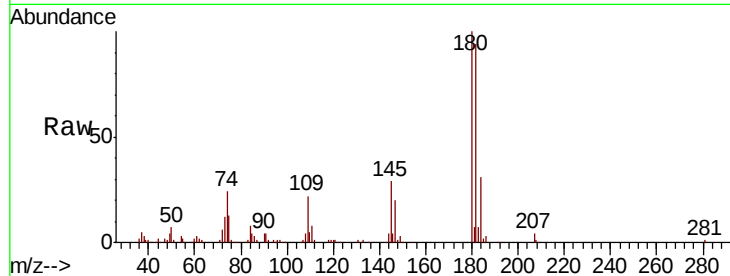
#93
 1,2,4-Trichlorobenzene
 Concen: 16.69 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion:	180	Resp:	104665
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.9	143.7
145	28.5	14.4	43.4

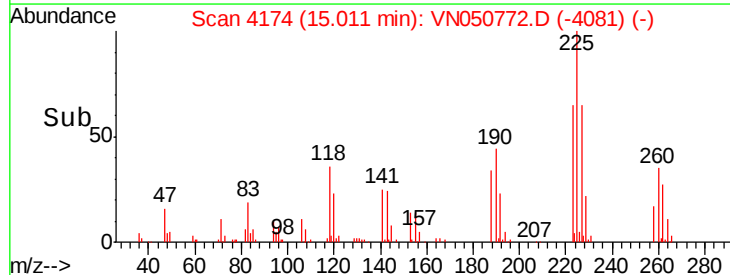
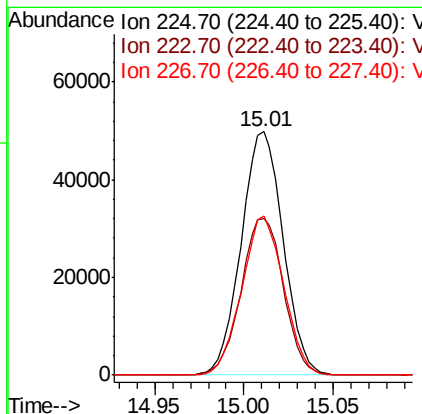
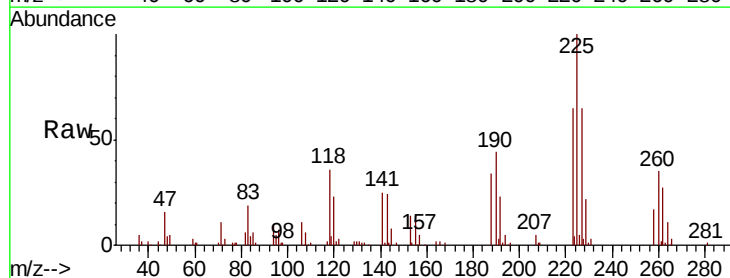
Manual Integrations
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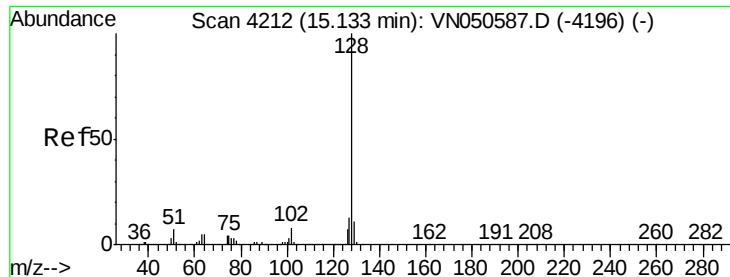
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#94
 Hexachlorobutadiene
 Concen: 19.38 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion:	225	Resp:	81851
Ion Ratio	Lower	Upper	
225	100		
223	65.1	32.1	96.3
227	65.3	32.0	96.2





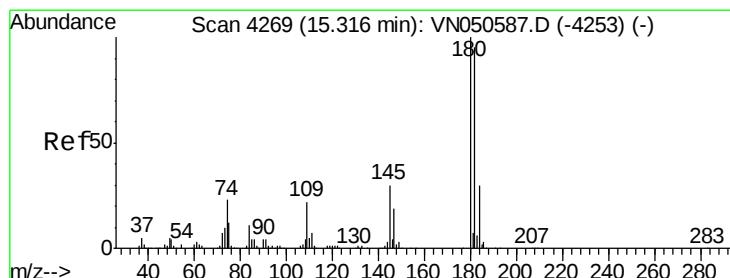
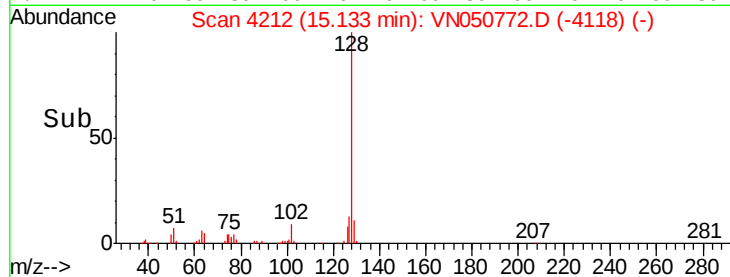
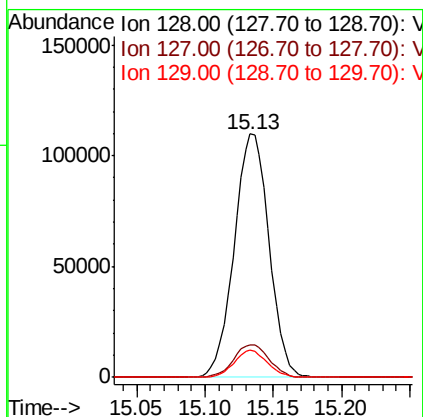
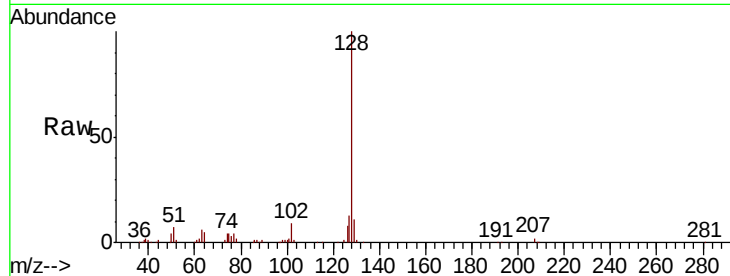
#95
Naphthalene
Concen: 15.78 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
127	13.6		10.3	15.5	
129	10.6		8.5	12.7	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 17.64 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	95.8		47.3	141.8	
145	29.4		14.6	44.0	

