

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051587.D
 Acq On : 27 Sep 2018 17:15
 Operator : MD\SY
 Sample : VN0927WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD03

Manual Integrations
 APPROVED

MMDadoda
 9/28/2018 5:08:28 PM

Quant Time: Sep 27 17:53:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	496686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	727430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	638424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	318193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	297263	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
35) Dibromofluoromethane	7.59	113	265693	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
50) Toluene-d8	10.09	98	950737	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	
62) 4-Bromofluorobenzene	12.40	95	313454	44.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	110569	23.861	ug/l	97
3) Chloromethane	2.06	50	157448	21.344	ug/l	96
4) Vinyl Chloride	2.18	62	179735	22.076	ug/l	97
5) Bromomethane	2.57	94	82427	16.933	ug/l	98
6) Chloroethane	2.70	64	88506	17.446	ug/l	100
7) Trichlorofluoromethane	3.01	101	208025	19.507	ug/l	100
8) Diethyl Ether	3.41	74	69135	18.958	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	123502	20.520	ug/l	98
10) Methyl Iodide	3.96	142	141743	17.907	ug/l	97
11) Tert butyl alcohol	4.79	59	40125	114.268	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	111218	20.126	ug/l	98
13) Acrolein	3.61	56	23980	68.772	ug/l	98
14) Allyl chloride	4.33	41	193816	20.904	ug/l	99
15) Acrylonitrile	4.99	53	212678	111.339	ug/l	99
16) Acetone	3.82	43	158324	100.079	ug/l	98
17) Carbon Disulfide	4.05	76	344209	21.201	ug/l	99
18) Methyl Acetate	4.33	43	118733	25.057	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	303739	21.314	ug/l	99
20) Methylene Chloride	4.55	84	135751	22.049	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	120986	21.401	ug/l	97
22) Diisopropyl ether	5.96	45	422940	23.599	ug/l	98
23) Vinyl Acetate	5.90	43	1329763	113.015	ug/l	99
24) 1,1-Dichloroethane	5.85	63	245204	22.930	ug/l	99
25) 2-Butanone	6.84	43	241584	113.441	ug/l	100
26) 2,2-Dichloropropane	6.83	77	188387	22.569	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	134823	21.735	ug/l	98
28) Bromochloromethane	7.20	49	95310	19.301	ug/l	96
29) Tetrahydrofuran	7.22	42	163046	120.815	ug/l	98
30) Chloroform	7.37	83	237872	22.450	ug/l	100
31) Cyclohexane	7.66	56	216459	22.094	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	202070	22.308	ug/l	99
36) 1,1-Dichloropropene	7.80	75	176880	20.998	ug/l	98
37) Ethyl Acetate	6.93	43	107946	22.287	ug/l	98
38) Carbon Tetrachloride	7.77	117	181993	20.655	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	196027	19.906	ug/l	97
40) Benzene	8.04	78	538710	21.780	ug/l	99
41) Methacrylonitrile	7.18	41	53291m	19.888	ug/l	
42) 1,2-Dichloroethane	8.13	62	174318	22.010	ug/l	99
43) Isopropyl Acetate	8.17	43	208856	23.847	ug/l #	92
44) Trichloroethene	8.84	130	136455	20.771	ug/l	100
45) 1,2-Dichloropropane	9.12	63	147539	21.944	ug/l	100
46) Dibromomethane	9.21	93	85665	22.550	ug/l	93
47) Bromodichloromethane	9.40	83	180056	21.418	ug/l	97
48) Methyl methacrylate	9.20	41	100590	23.037	ug/l	93
49) 1,4-Dioxane	9.20	88	24655	460.722	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	550516	114.295	ug/l	98
52) Toluene	10.16	92	324197	21.091	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	171531	20.210	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	205777	20.906	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	117193	21.573	ug/l	95
56) Ethyl methacrylate	10.43	69	139851	21.056	ug/l	98
57) 1,3-Dichloropropane	10.71	76	197867	21.250	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	314258	100.675	ug/l	98
59) 2-Hexanone	10.75	43	339189	108.629	ug/l	97
60) Dibromochloromethane	10.90	129	130485	20.358	ug/l	99
61) 1,2-Dibromoethane	11.01	107	110709	20.993	ug/l	100
64) Tetrachloroethene	10.63	164	133347	23.015	ug/l	98
65) Chlorobenzene	11.43	112	344552	21.035	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	132402	21.216	ug/l	99
67) Ethyl Benzene	11.51	91	568671	20.601	ug/l	99
68) m/p-Xylenes	11.62	106	446258	41.794	ug/l	99
69) o-Xylene	11.95	106	211314	20.586	ug/l	96
70) Styrene	11.97	104	333285	20.490	ug/l	99
71) Bromoform	12.13	173	87967	20.774	ug/l #	98
73) Isopropylbenzene	12.25	105	561355	20.909	ug/l	100
74) N-amyl acetate	12.07	43	149599	22.209	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	146181	23.350	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	131538m	24.902	ug/l	
77) Bromobenzene	12.53	156	137937	20.296	ug/l	93
78) n-propylbenzene	12.59	91	645068	21.319	ug/l	98
79) 2-Chlorotoluene	12.67	91	389221	21.490	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	472653	21.591	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36562	21.284	ug/l	96
82) 4-Chlorotoluene	12.77	91	380919	21.072	ug/l	98
83) tert-Butylbenzene	12.99	119	408473	20.963	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	472738	21.430	ug/l	99
85) sec-Butylbenzene	13.17	105	558827	21.200	ug/l	98
86) p-Isopropyltoluene	13.29	119	471479	20.671	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	241013	20.492	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	229780	20.305	ug/l	99
89) n-Butylbenzene	13.62	91	371235	19.793	ug/l	99
90) Hexachloroethane	13.87	117	92956	20.454	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	239970	21.029	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21370	23.919	ug/l	88

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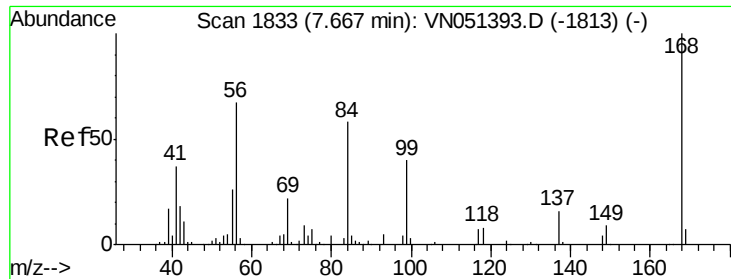
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	97297	19.905	ug/l	98
94) Hexachlorobutadiene	15.01	225	86434	20.019	ug/l	99
95) Naphthalene	15.14	128	170302	20.123	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	100218	18.300	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD03

Tot Ion:168 Resp: 496686

Ion Ratio Lower Upper

168 100

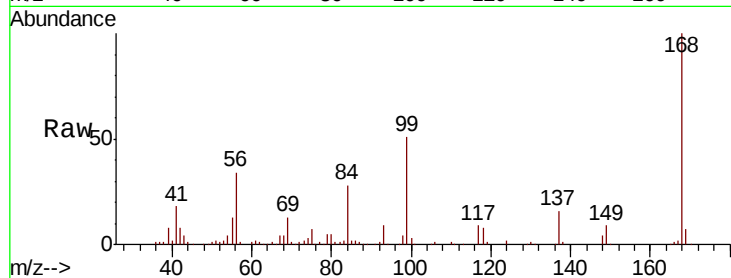
99 50.9 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

250000

200000

150000

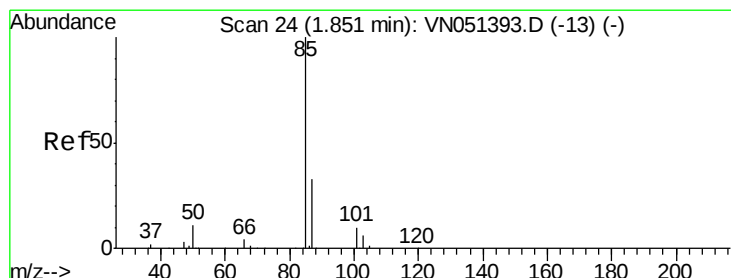
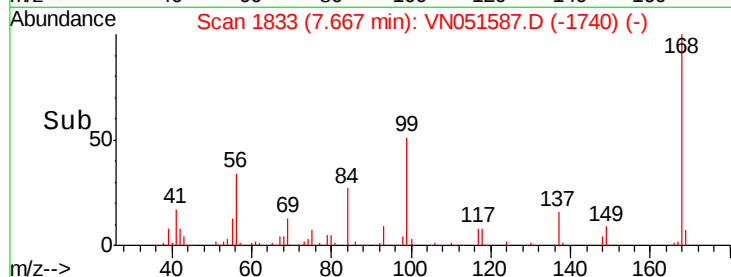
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 23.861 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051587.D

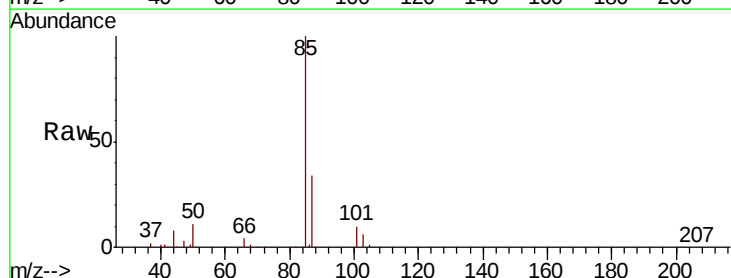
Acq: 27 Sep 2018 17:15

Tgt Ion: 85 Resp: 110569

Ion Ratio Lower Upper

85 100

87 34.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN051393.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051393.D (-13) (-)

1.85

80000

60000

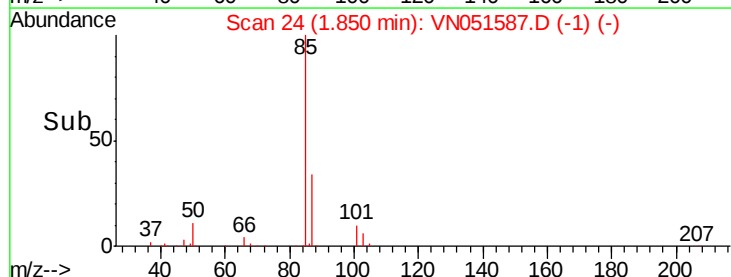
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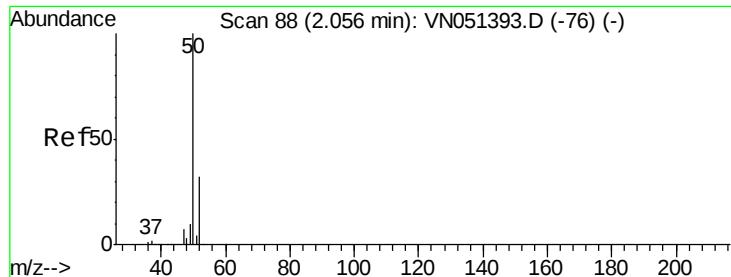
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.344 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD03

Tot Ion: 50 Resp: 157448

Ion Ratio Lower Upper

50 100

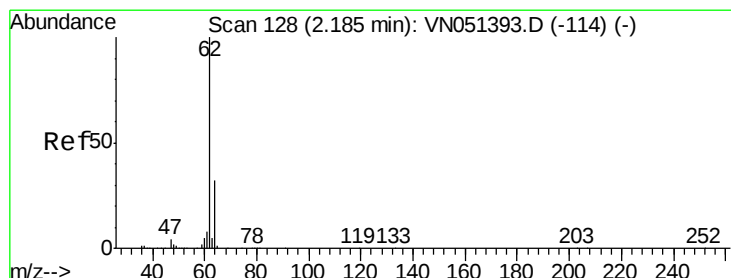
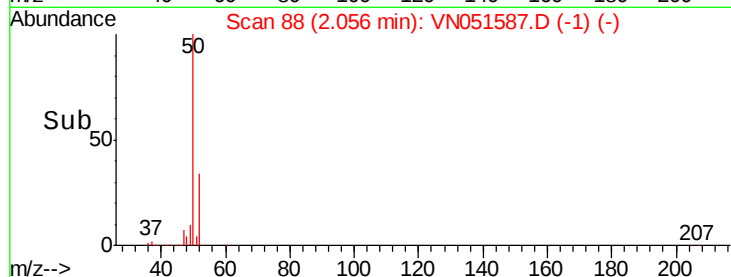
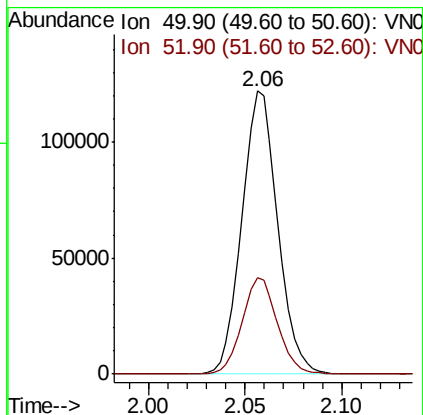
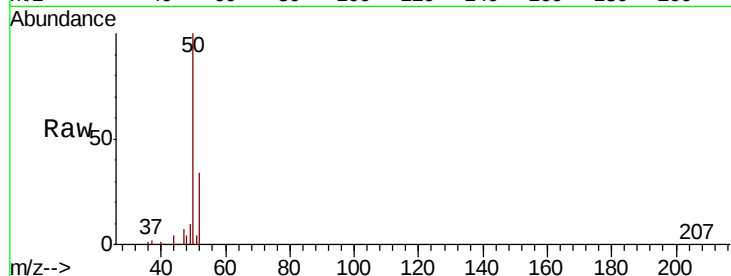
52 34.3 25.7 38.5

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#4

Vinyl Chloride

Concen: 22.076 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051587.D

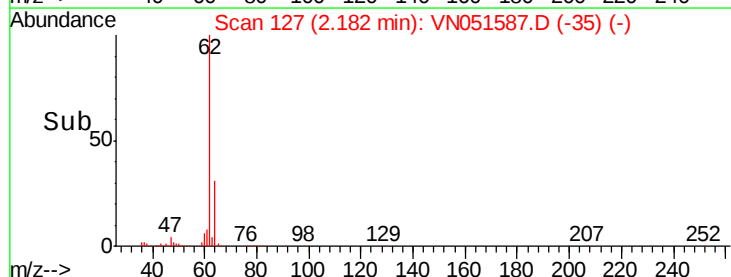
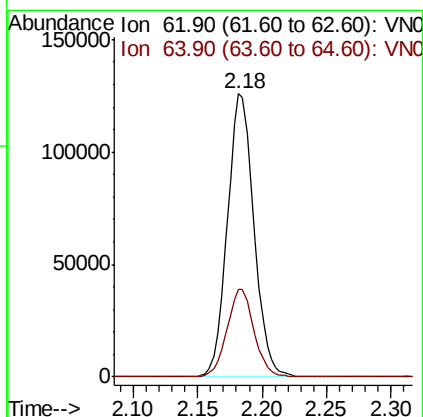
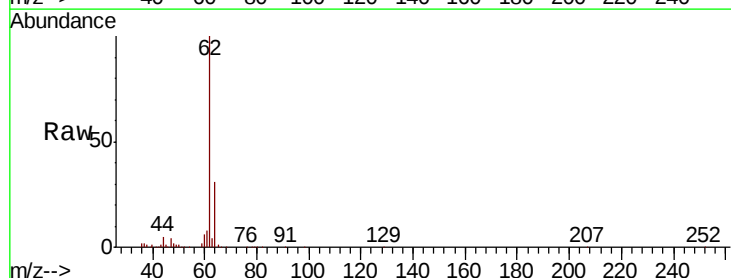
Acq: 27 Sep 2018 17:15

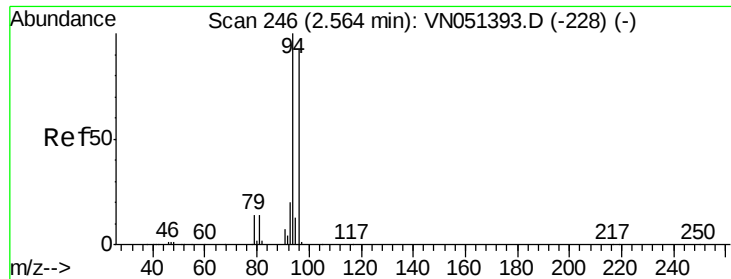
Tgt Ion: 62 Resp: 179735

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.8





#5

Bromomethane

Concen: 16.933 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

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ClientSampleId :

VN0927WBSD03

Tot Ion: 94 Resp: 82427

Ion Ratio Lower Upper

94 100

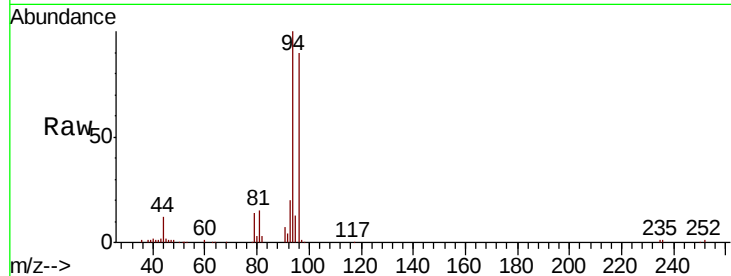
96 90.4 73.6 110.4

Manual Integrations

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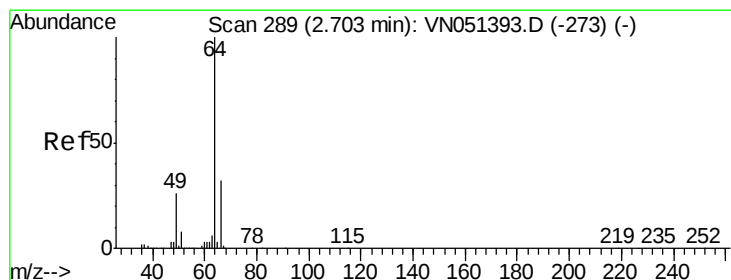
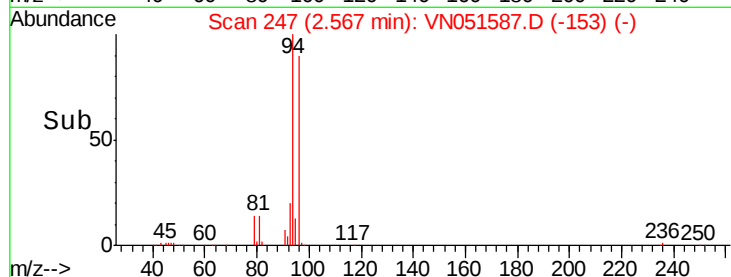
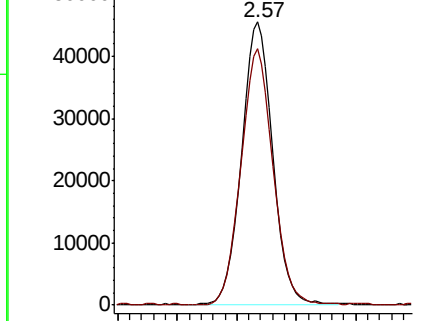
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.446 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051587.D

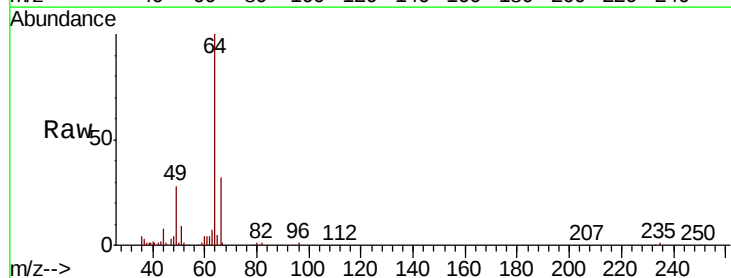
Acq: 27 Sep 2018 17:15

Tgt Ion: 64 Resp: 88506

Ion Ratio Lower Upper

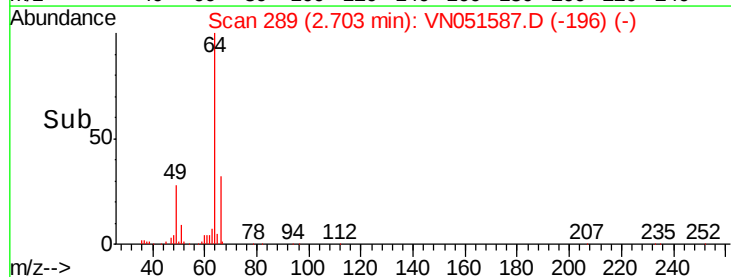
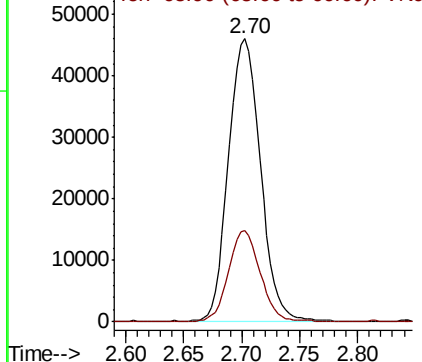
64 100

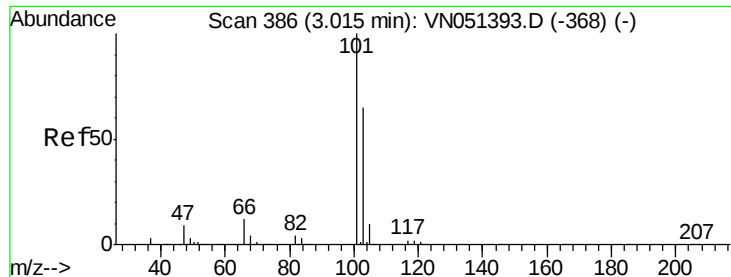
66 32.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

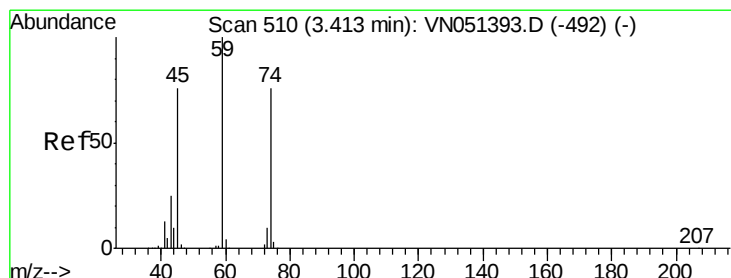
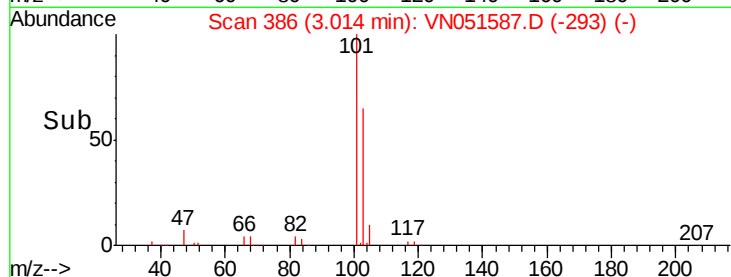
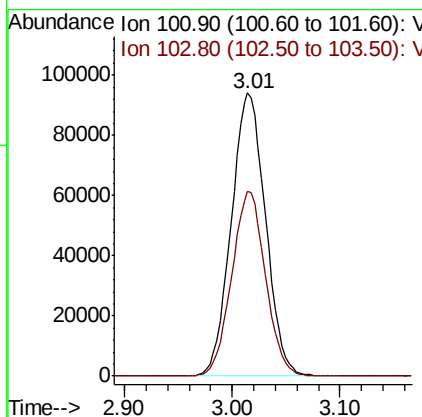
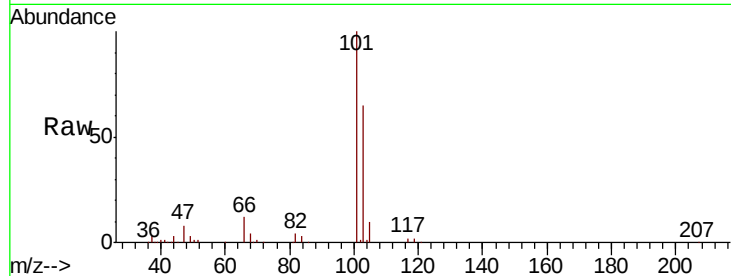
Trichlorofluoromethane
 Concen: 19.507 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051587.D
 Acq: 27 Sep 2018 17:15

Instrument :
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 VN0927WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
101	100	208025		
103	65.1	51.8	77.8	

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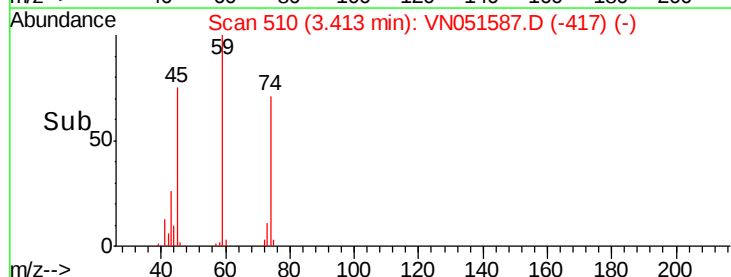
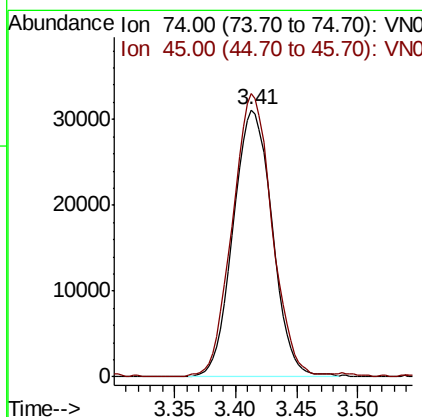
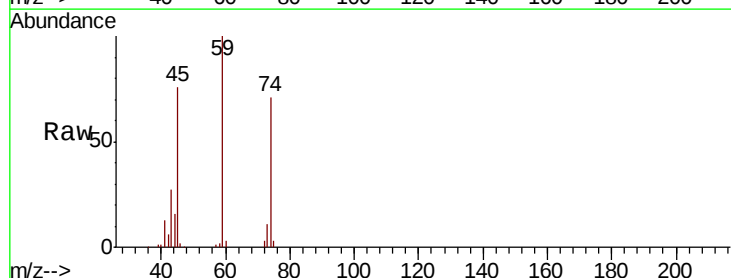
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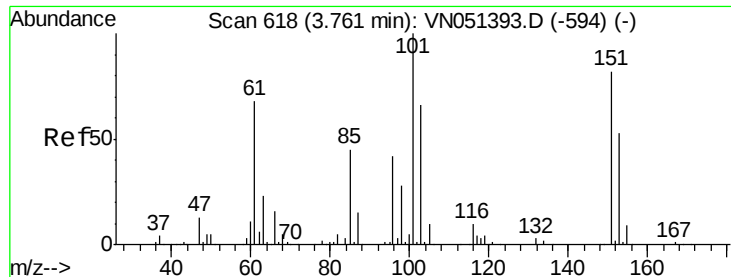


#8

Diethyl Ether
 Concen: 18.958 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051587.D
 Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	69135		
45	107.3	50.2	150.7	





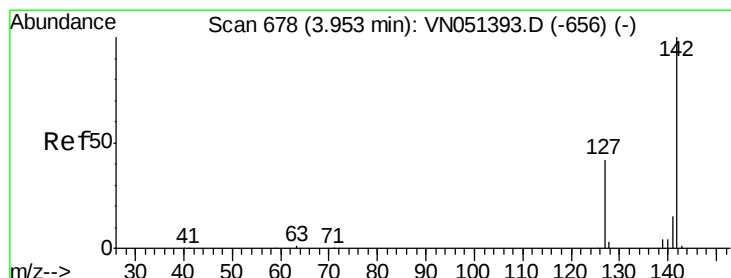
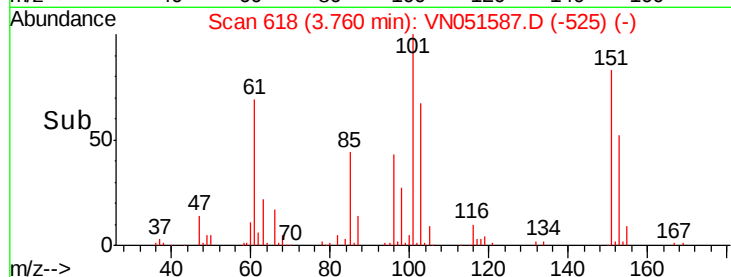
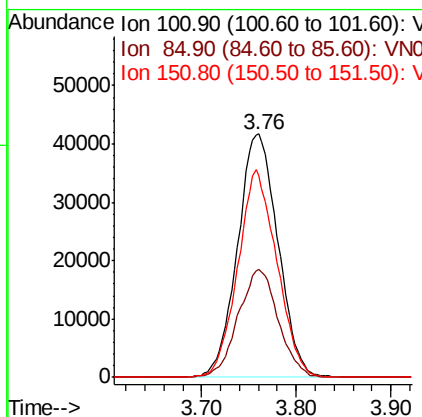
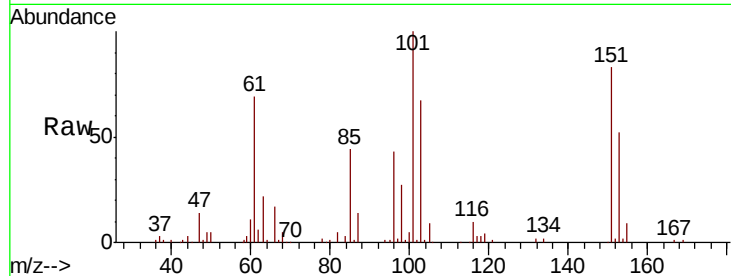
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.520 ug/l
RT: 3.76 min Scan# 618
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
101	100	123502		
85	43.9	33.9	50.9	
151	82.5	65.2	97.8	

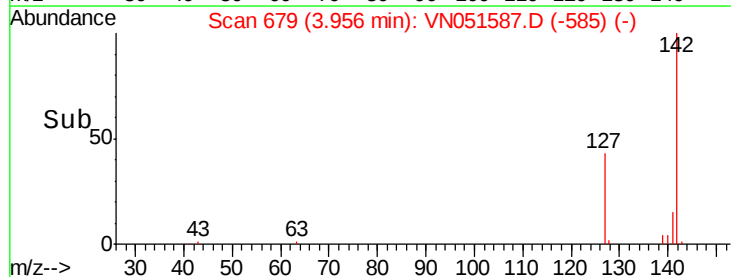
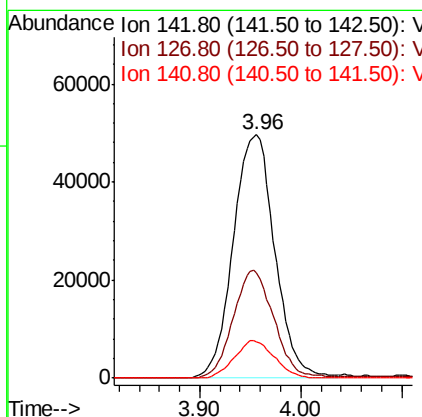
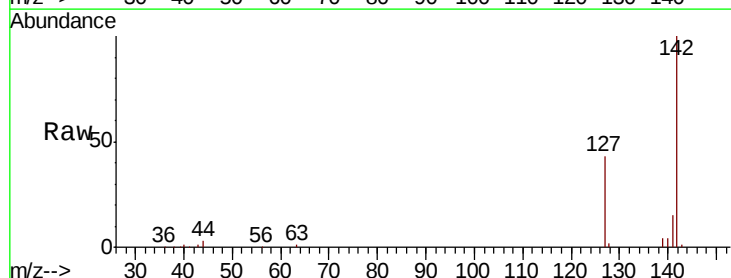
Manual Integrations
APPROVED

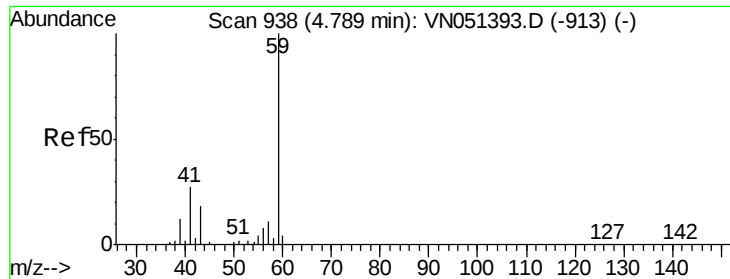
MMDadoda
9/28/2018 5:08:28 PM



#10
Methyl Iodide
Concen: 17.907 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	141743		
127	43.4	33.2	49.8	
141	14.8	11.5	17.3	





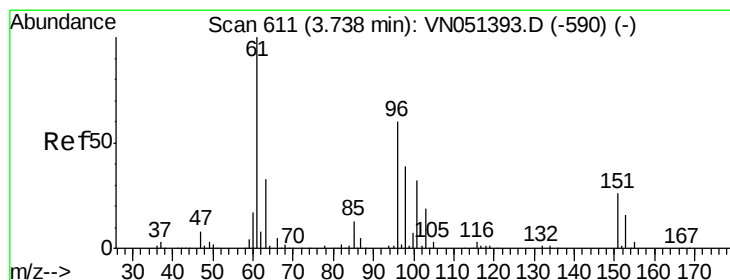
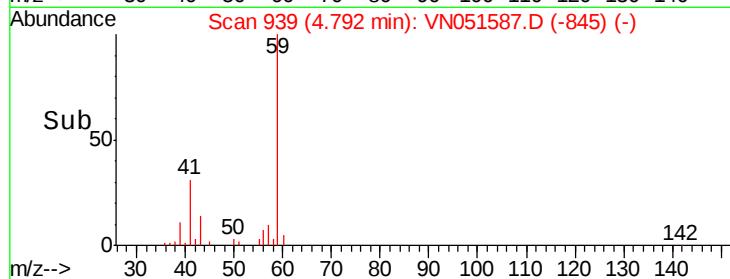
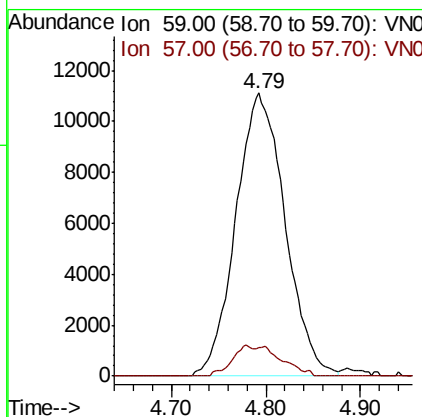
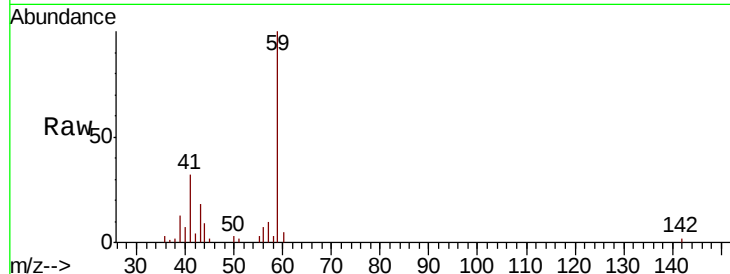
#11
Tert butyl alcohol
Concen: 114.268 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.1	6.2	9.2#

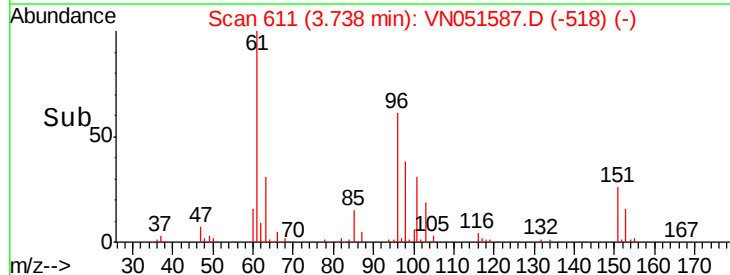
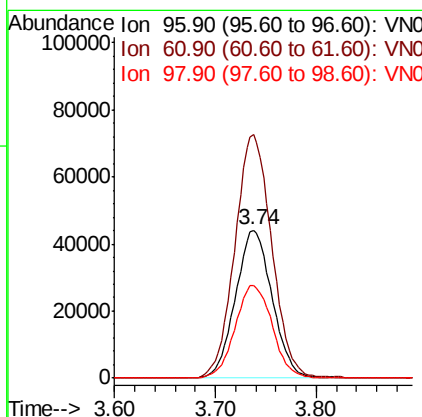
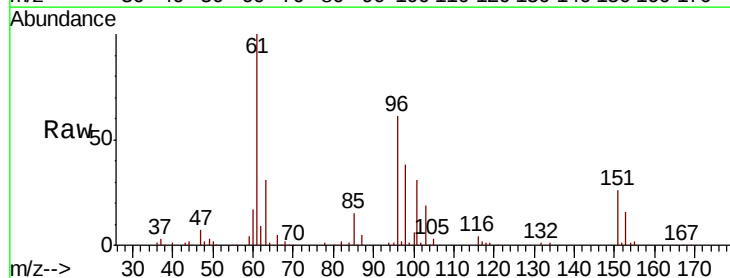
Manual Integrations
APPROVED

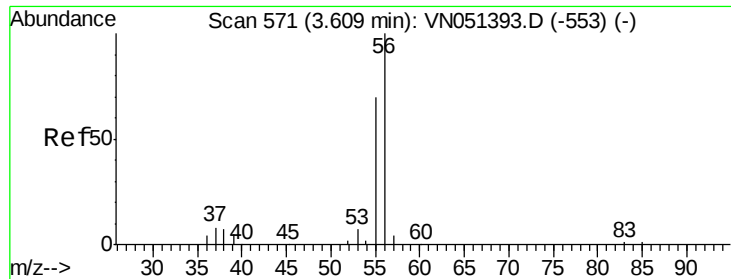
MMDadoda
9/28/2018 5:08:28 PM



#12
1,1-Dichloroethene
Concen: 20.126 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.3	133.6	200.4
98	62.6	52.2	78.2





#13

Acrolein

Concen: 68.772 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD03

Tot Ion: 56 Resp: 23980

Ion Ratio Lower Upper

56 100

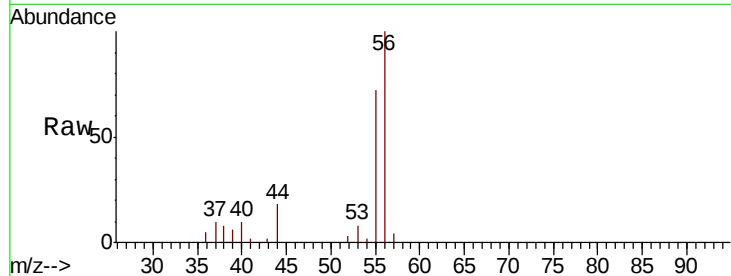
55 73.7 57.8 86.8

Manual Integrations

APPROVED

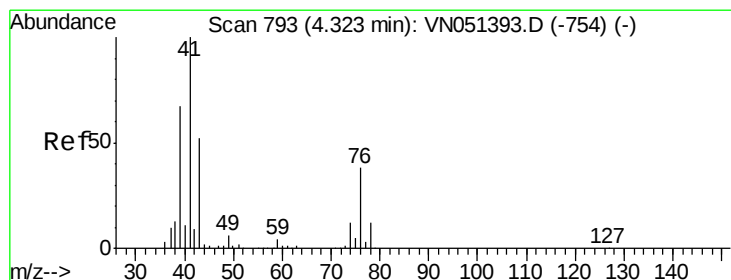
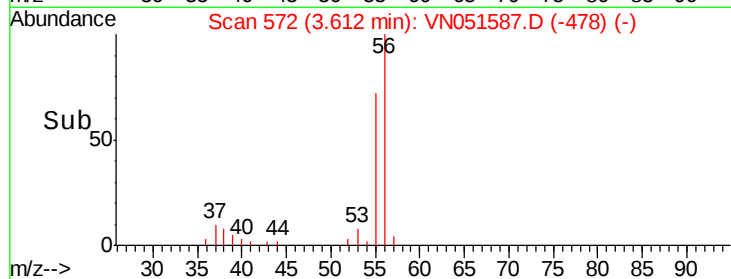
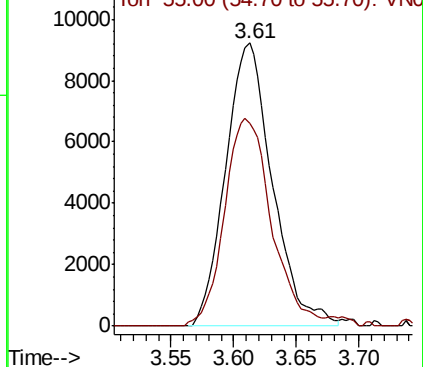
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.904 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

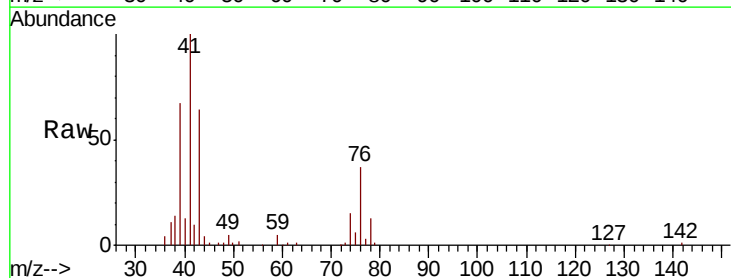
Tgt Ion: 41 Resp: 193816

Ion Ratio Lower Upper

41 100

39 63.7 51.4 77.2

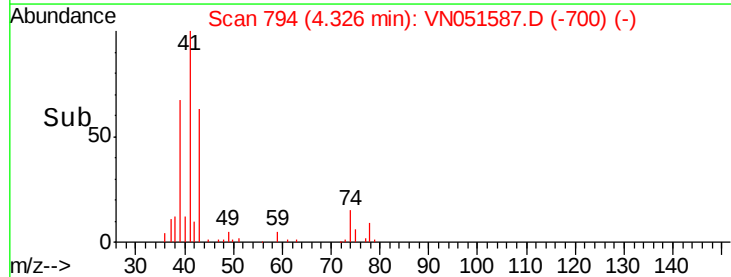
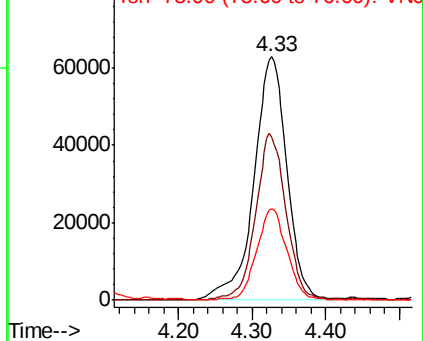
76 34.8 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 111.339 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

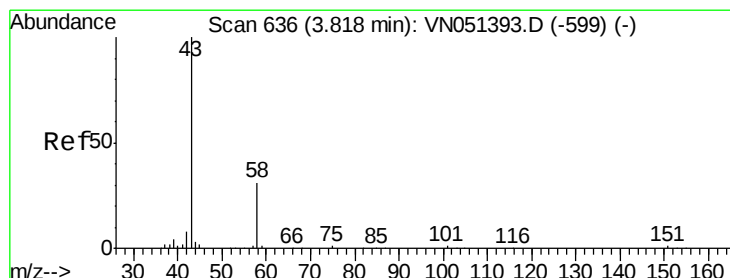
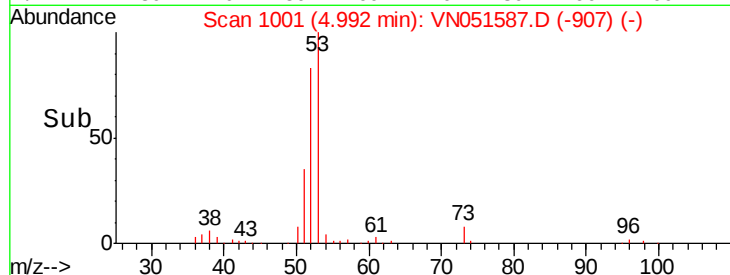
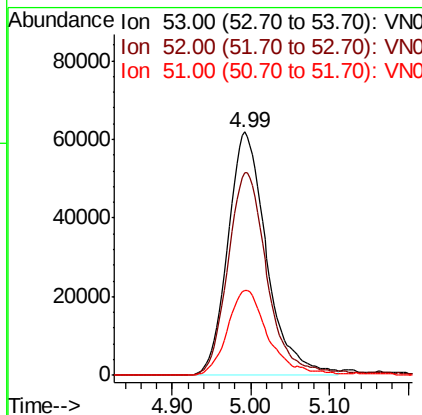
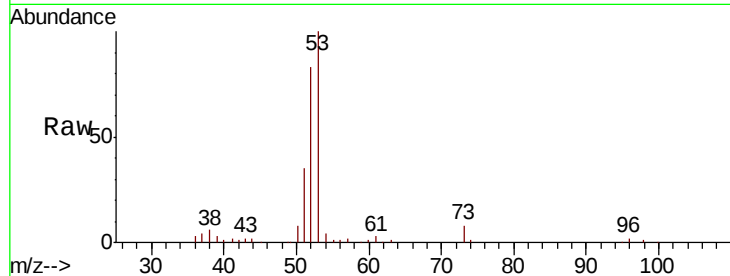
ClientSampleId :

VN0927WBSD03

Tot Ion:	53	Resp:	212678
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.2
51	37.0	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 100.079 ug/l

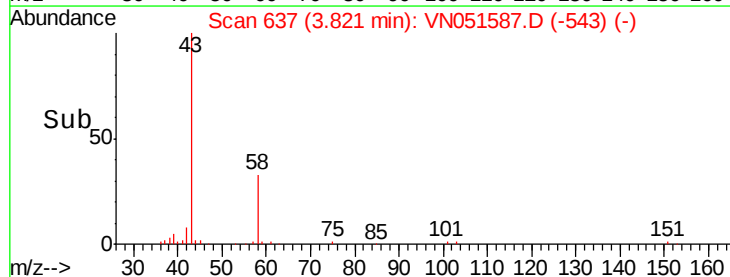
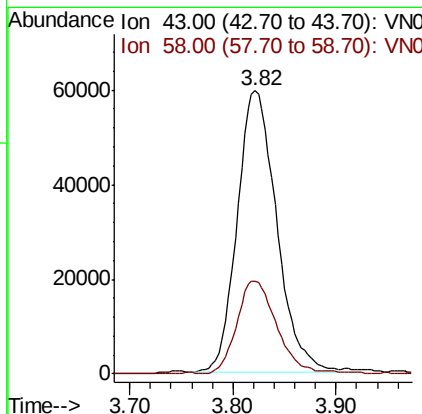
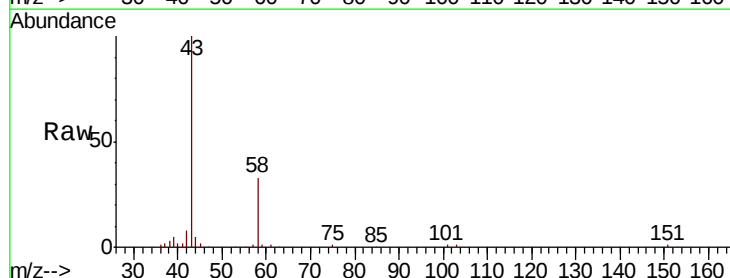
RT: 3.82 min Scan# 637

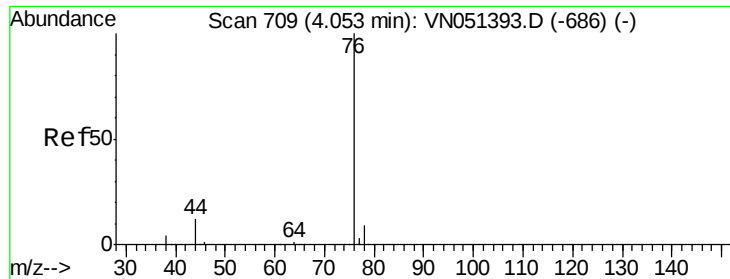
Delta R.T. 0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Tgt Ion:	43	Resp:	158324
Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.0	37.4





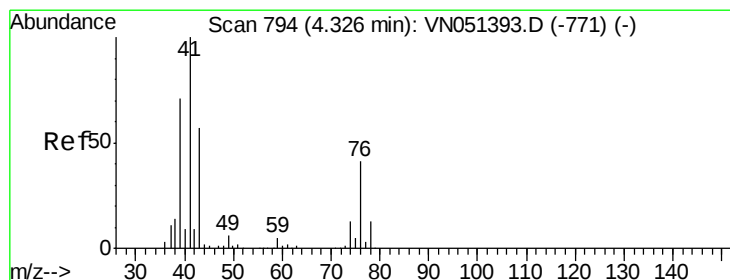
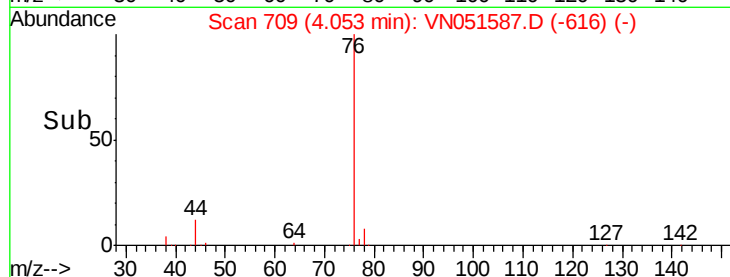
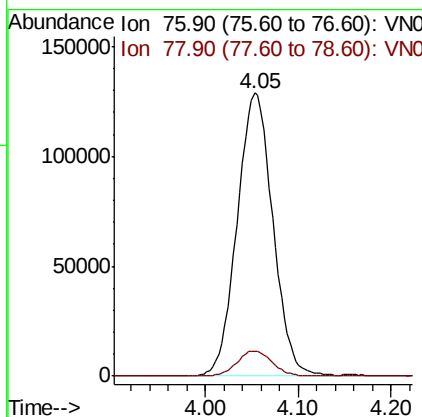
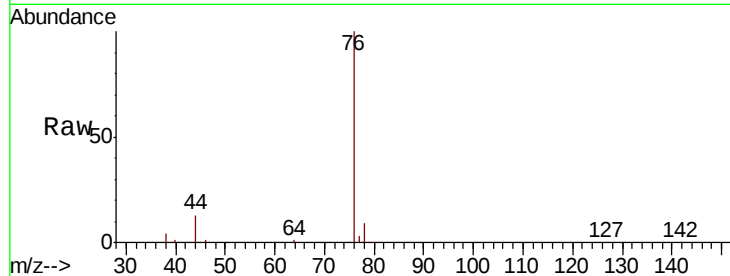
#17
Carbon Disulfide
Concen: 21.201 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion: 76 Resp: 344209
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9

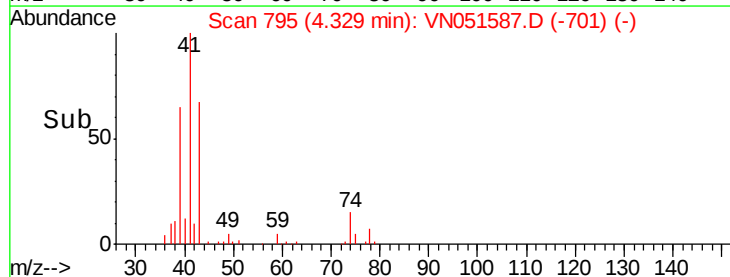
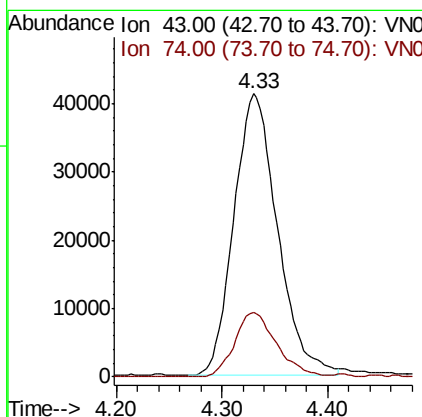
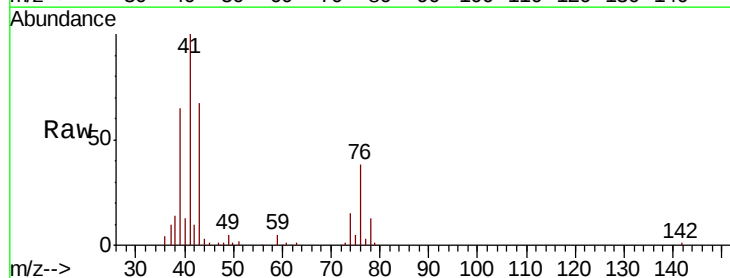
Manual Integrations
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#18
Methyl Acetate
Concen: 25.057 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Tgt Ion: 43 Resp: 118733
Ion Ratio Lower Upper
43 100
74 22.0 18.8 28.2





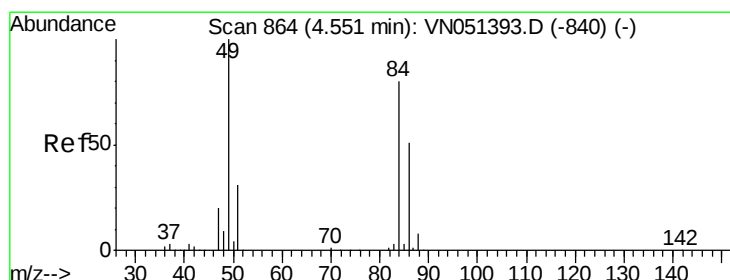
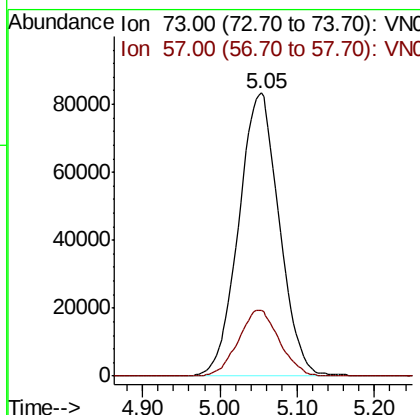
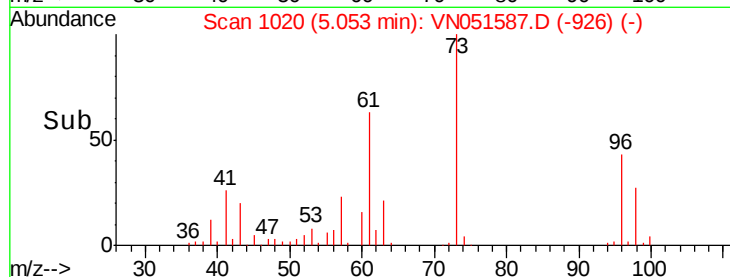
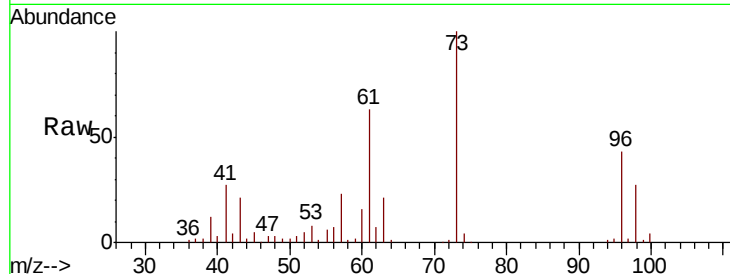
#19
Methvl tert-butvl Ether
Concen: 21.314 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion: 73 Resp: 303739
Ion Ratio Lower Upper
73 100
57 23.4 18.3 27.5

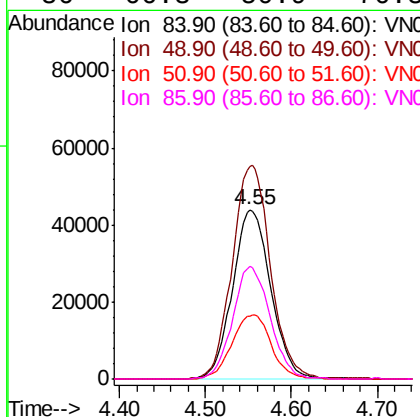
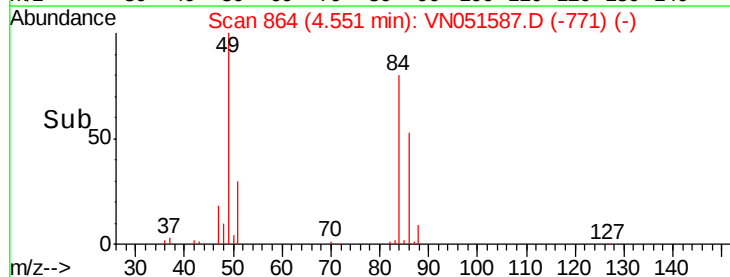
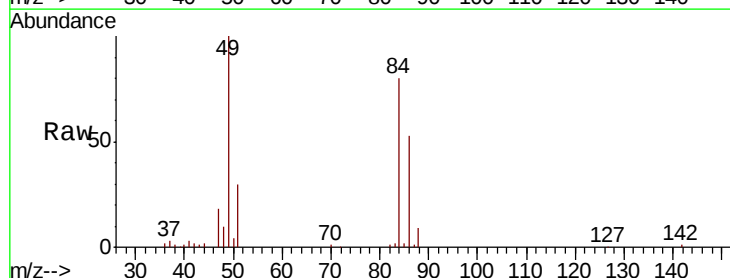
Manual Integrations
APPROVED

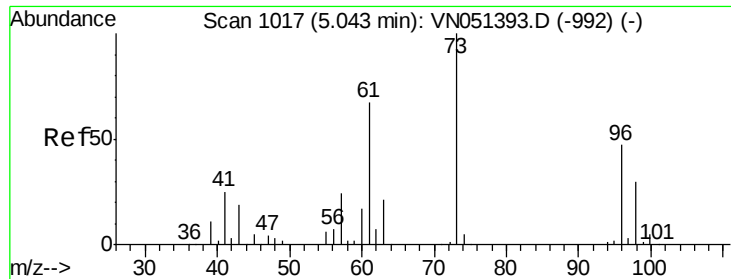
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#20
Methylene Chloride
Concen: 22.049 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Tgt Ion: 84 Resp: 135751
Ion Ratio Lower Upper
84 100
49 125.4 99.9 149.9
51 37.2 31.4 47.2
86 66.3 50.9 76.3





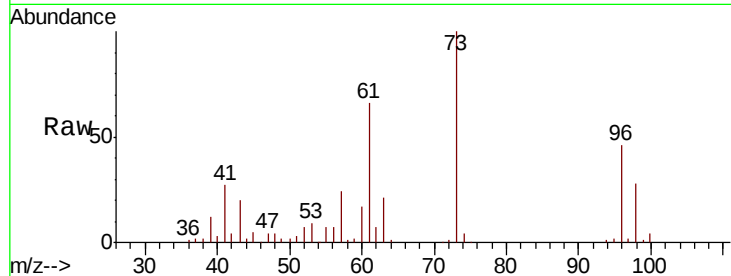
#21
trans-1,2-Dichloroethene
Concen: 21.401 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.5	113.4	170.2
98	60.5	51.1	76.7

Manual Integrations
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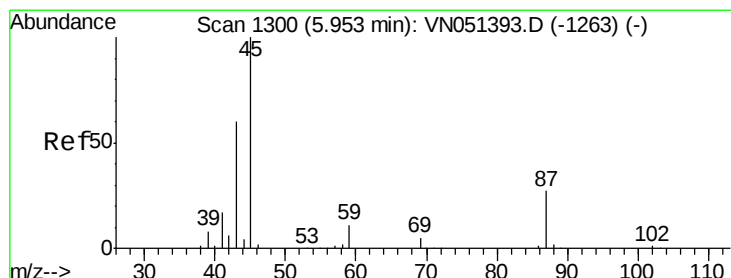
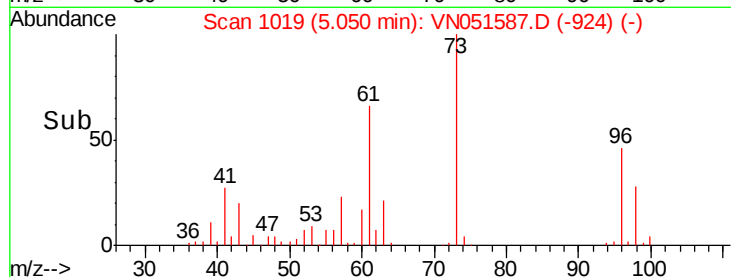
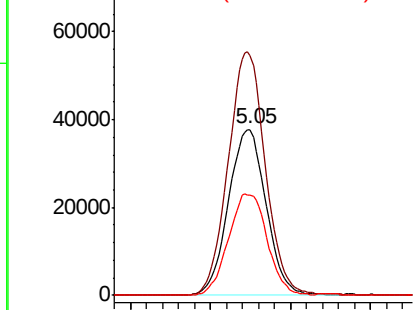


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 23.599 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.5	47.7	71.5
87	25.1	22.0	33.0
59	10.9	9.3	13.9

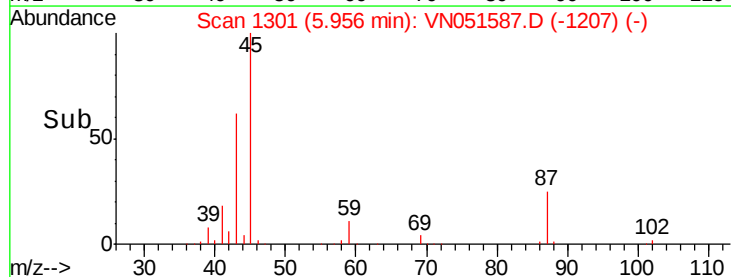
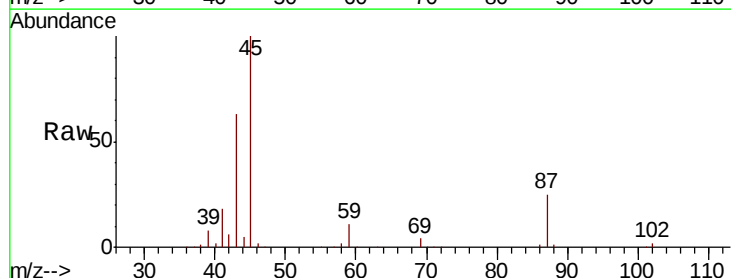
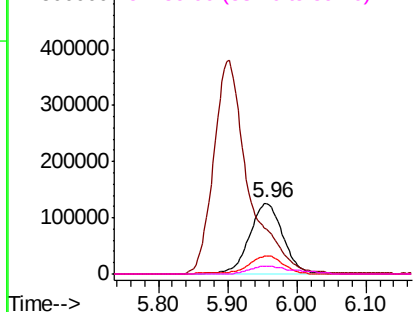
Abundance

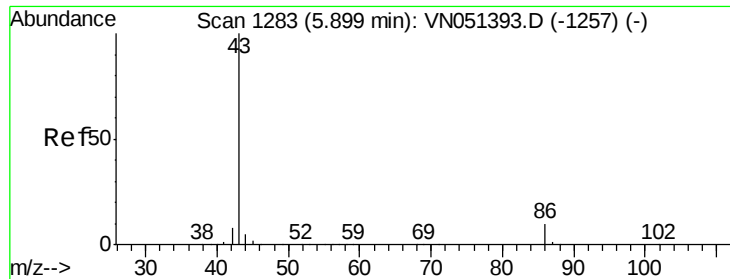
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 113.015 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleID :

VN0927WBSD03

Tot Ion: 43 Resp: 1329763

Ion Ratio Lower Upper

43 100

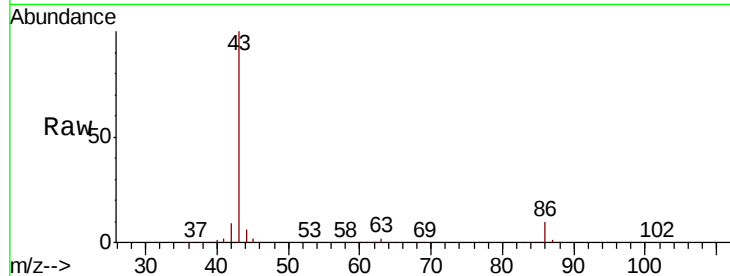
86 9.7 8.2 12.2

Manual Integrations

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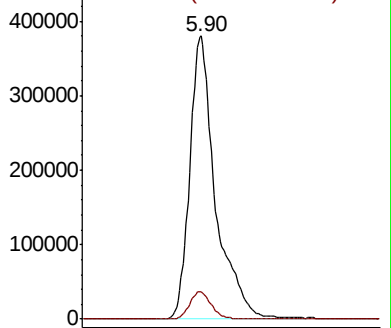
MMDadoda

9/28/2018 5:08:28 PM

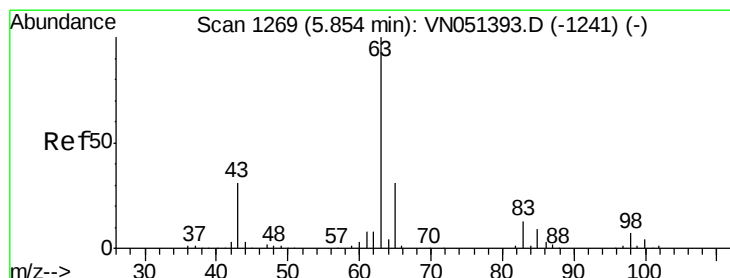
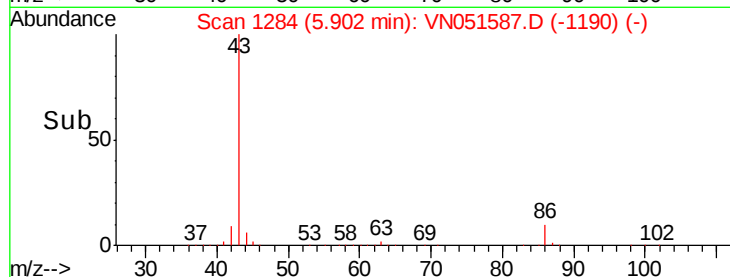


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 22.930 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

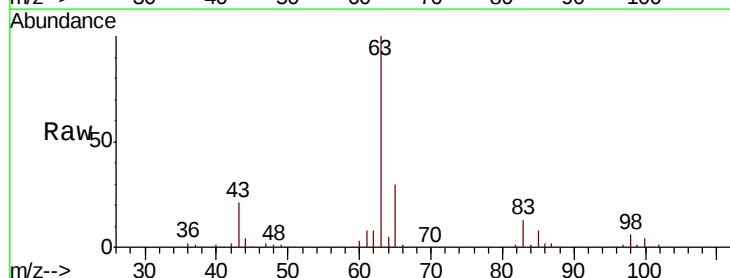
Tgt Ion: 63 Resp: 245204

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

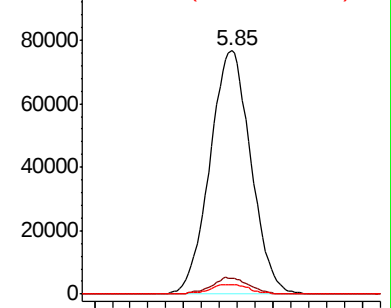
100 4.0 2.2 6.6



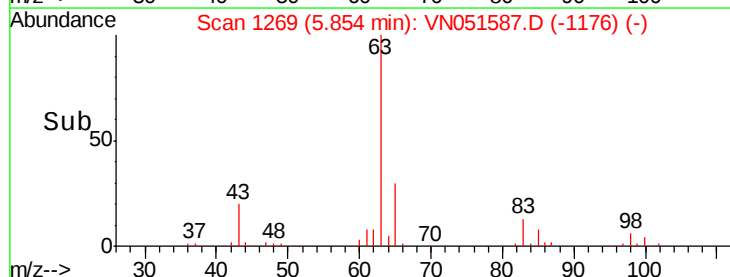
Abundance Ion 62.90 (62.60 to 63.60): VN0

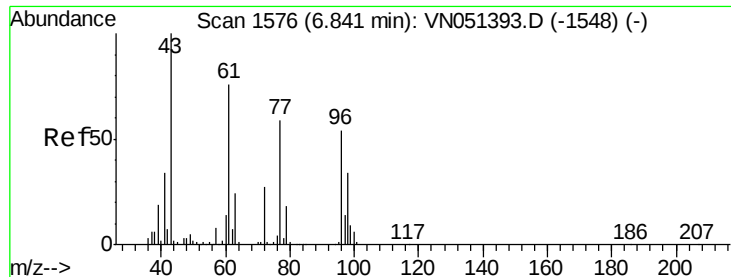
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 113.441 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD03

Tot Ion: 43 Resp: 241584

Ion Ratio Lower Upper

43 100

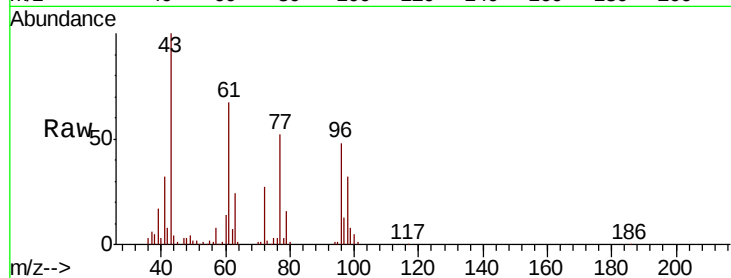
72 27.3 21.8 32.6

Manual Integrations

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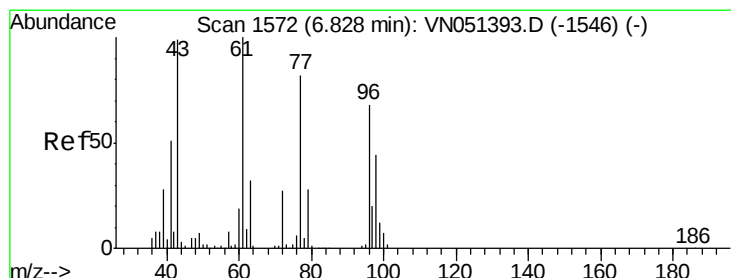
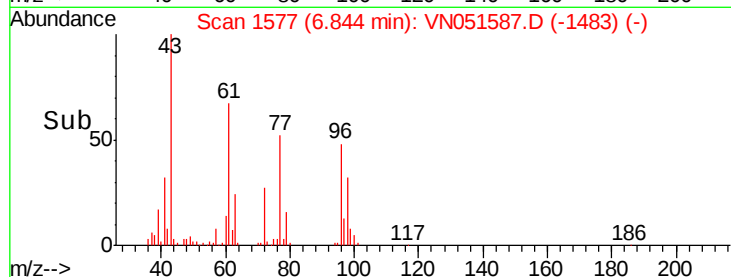
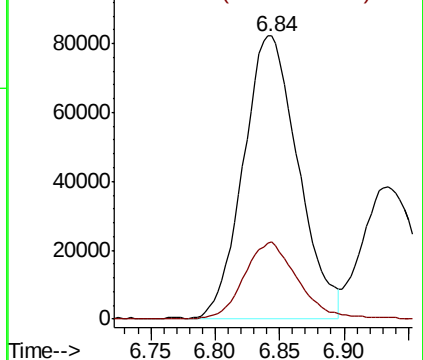
MMDadoda

9/28/2018 5:08:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 22.569 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051587.D

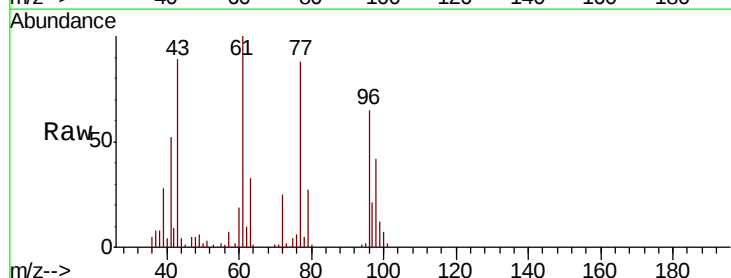
Acq: 27 Sep 2018 17:15

Tgt Ion: 77 Resp: 188387

Ion Ratio Lower Upper

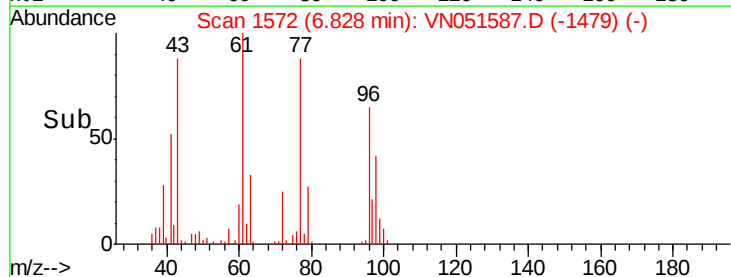
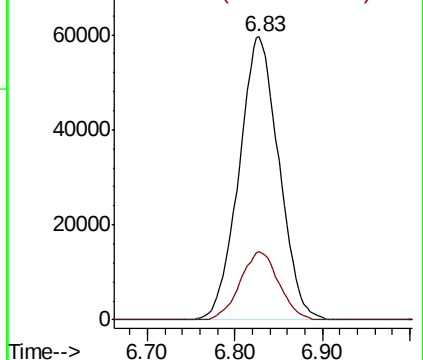
77 100

97 23.4 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 21.735 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

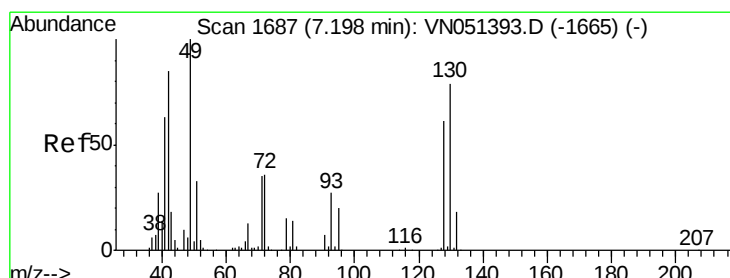
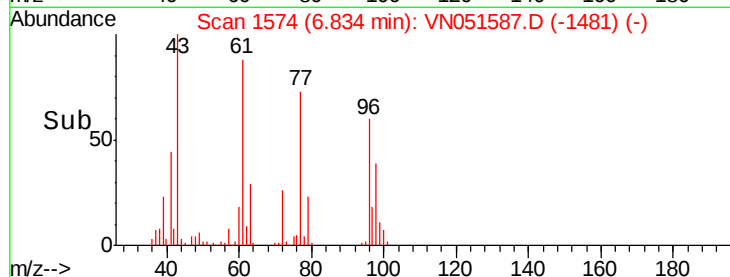
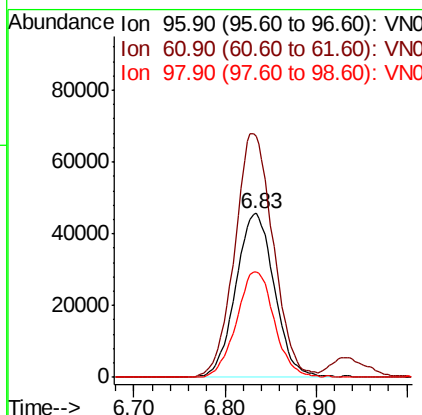
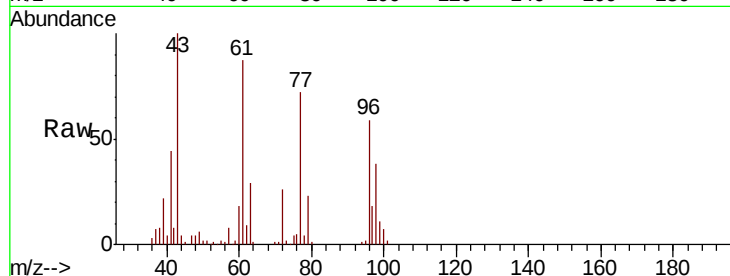
ClientSampleId :

VN0927WBSD03

Tot Ion:	96	Resp:	134823
Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	291.4
98	62.9	0.0	128.4

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#28

Bromochloromethane

Concen: 19.301 ug/l

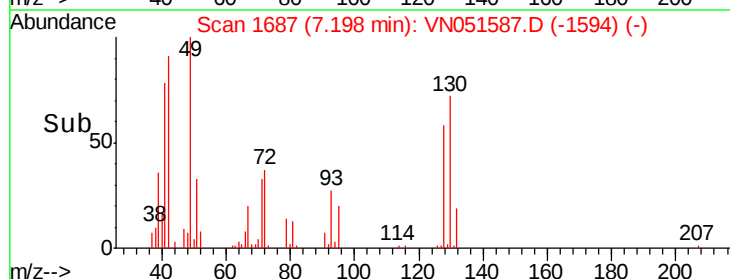
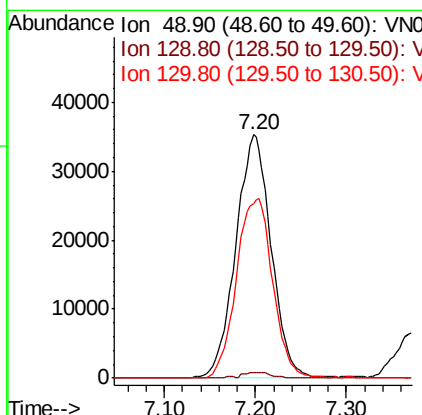
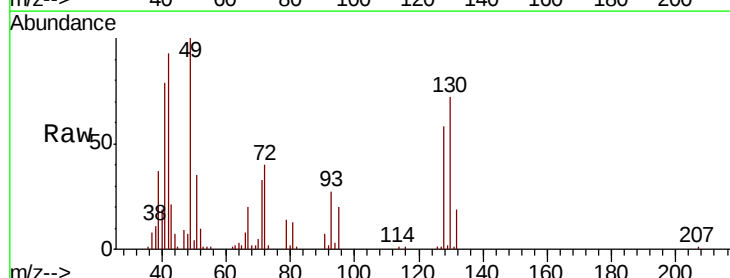
RT: 7.20 min Scan# 1687

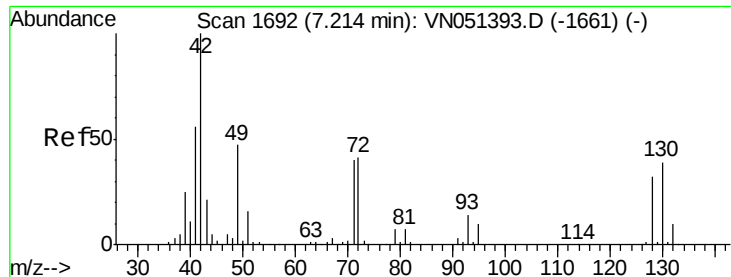
Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Tgt Ion:	49	Resp:	95310
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	75.2	63.0	94.4





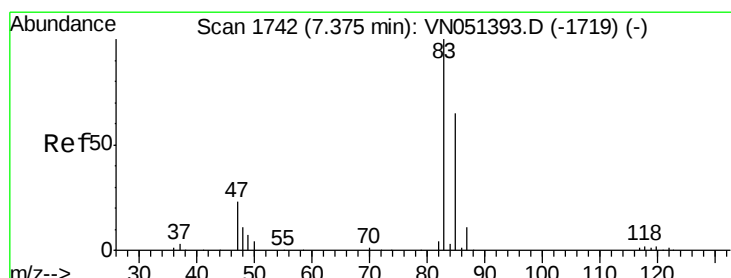
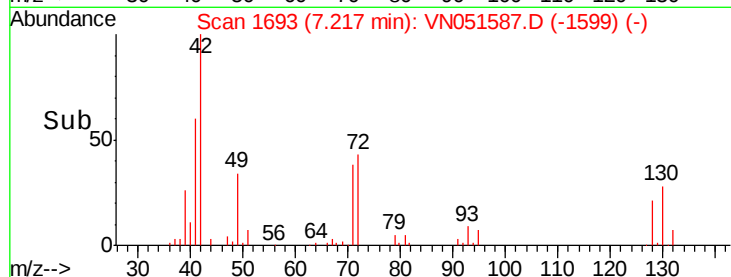
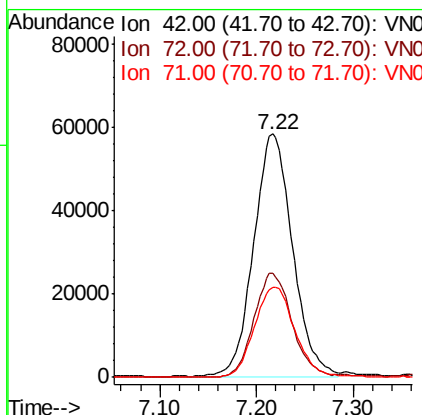
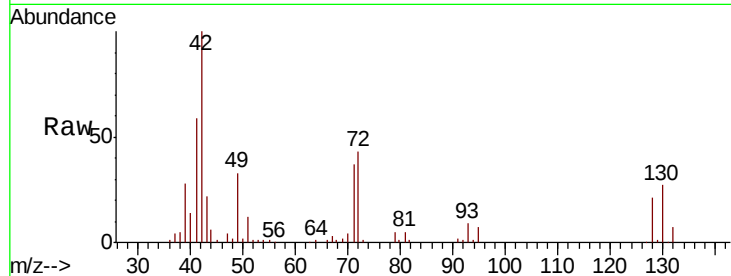
#29
Tetrahydrofuran
Concen: 120.815 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.3	51.5
71	38.3	32.2	48.4

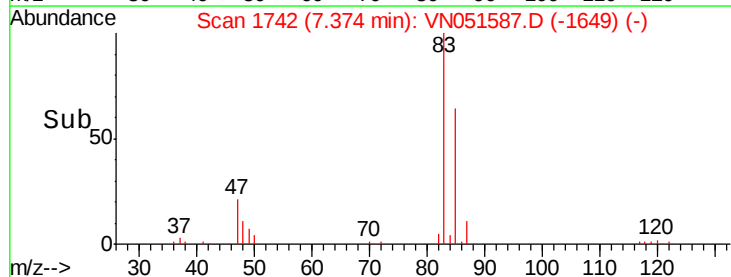
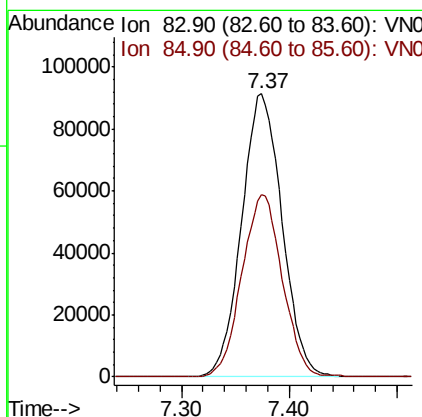
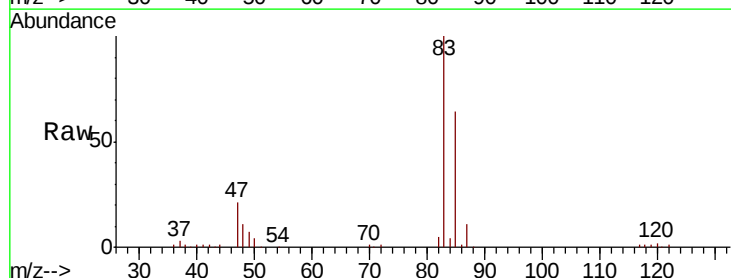
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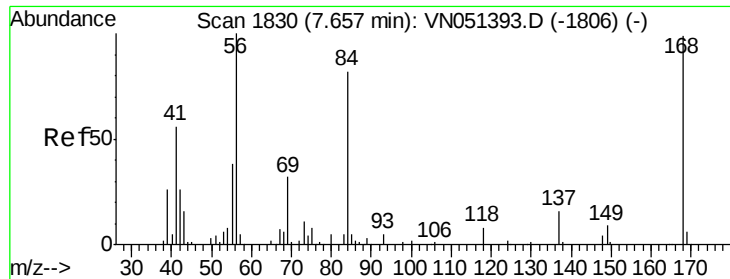
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9/28/2018 5:08:28 PM



#30
Chloroform
Concen: 22.450 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6





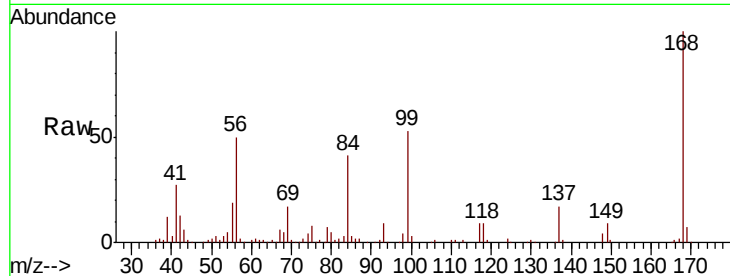
#31
Cyclohexane
Concen: 22.094 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	25.8	38.6
84	79.9	66.0	99.0

Manual Integrations
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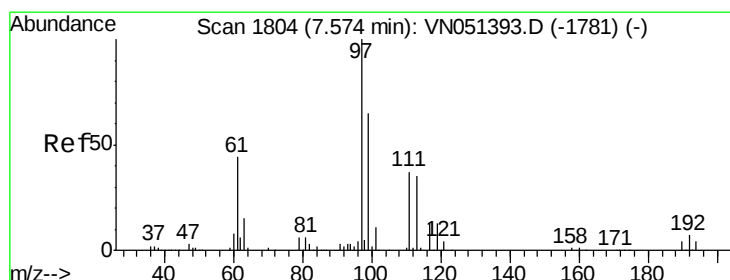
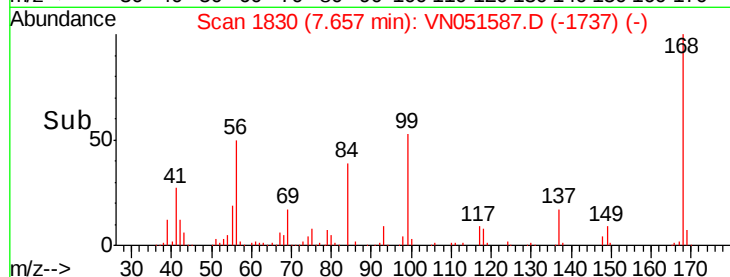
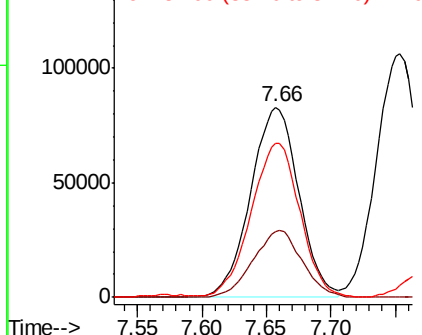


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32
1,1,1-Trichloroethane
Concen: 22.308 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

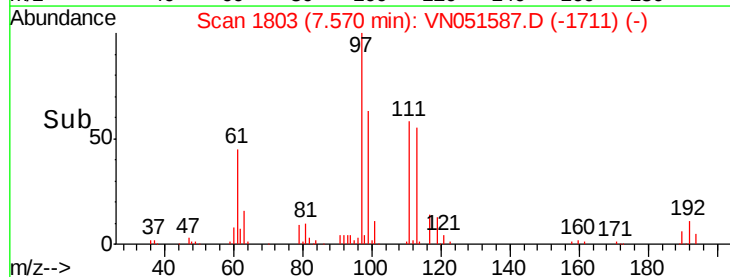
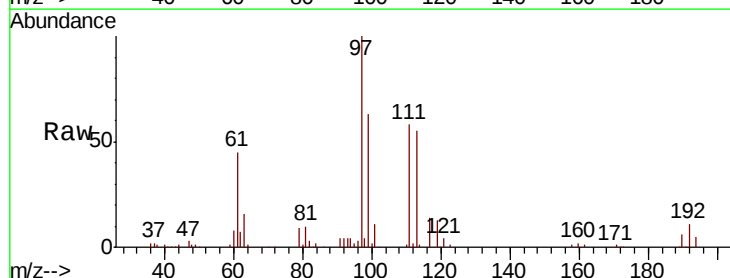
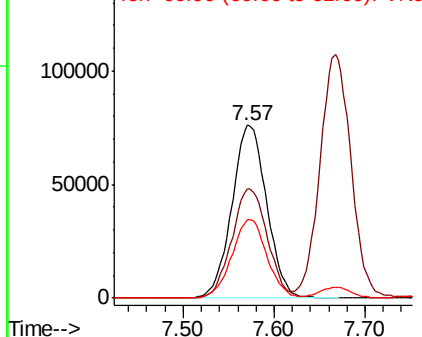
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	45.9	35.8	53.8

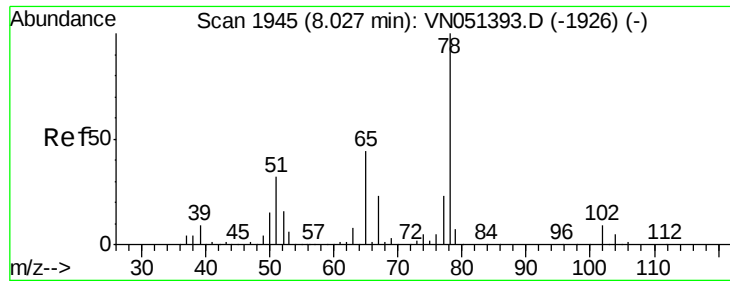
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





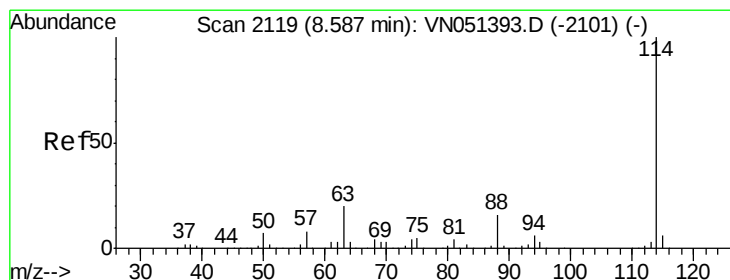
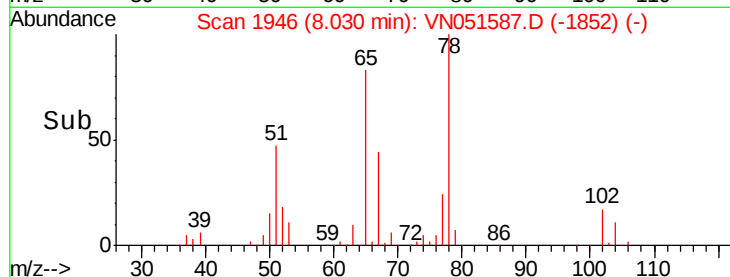
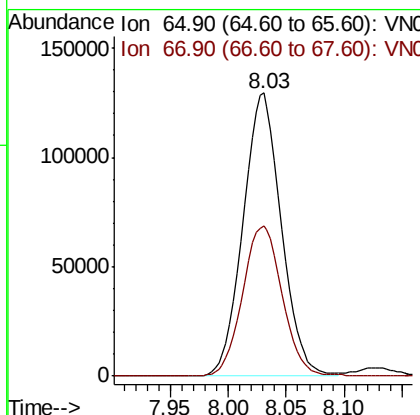
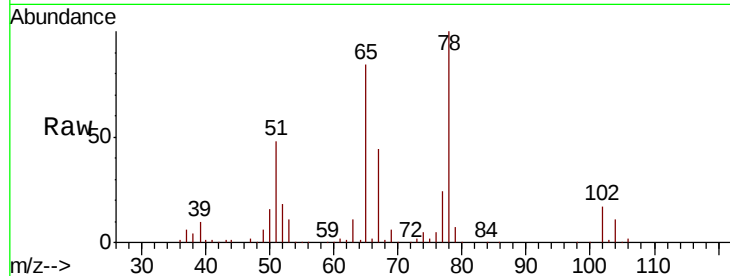
#33
 1,2-Dichloroethane-d4
 Concen: 47.777 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051587.D
 Acq: 27 Sep 2018 17:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	297263		
67	55.0	0.0	107.8	

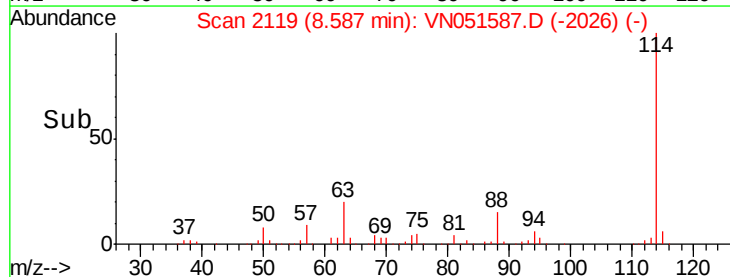
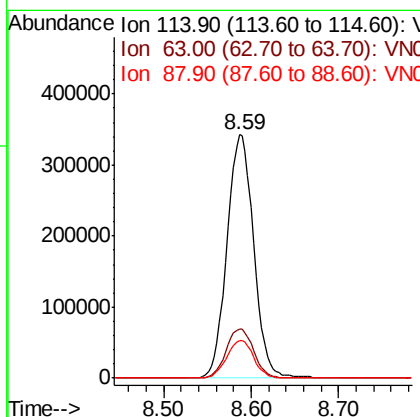
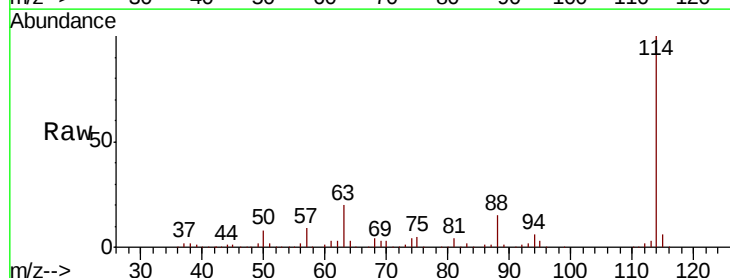
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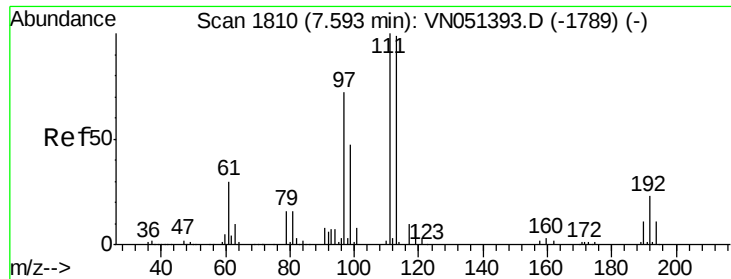
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051587.D
 Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	727430		
63	20.4	0.0	40.2	
88	15.4	0.0	31.4	





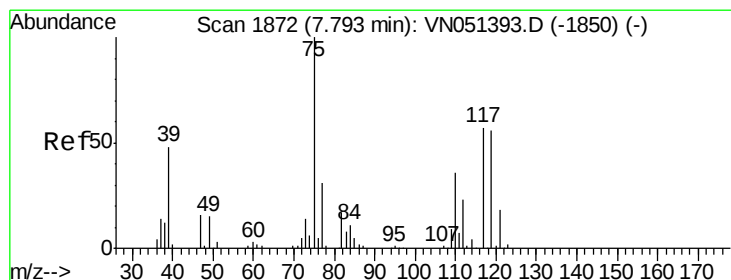
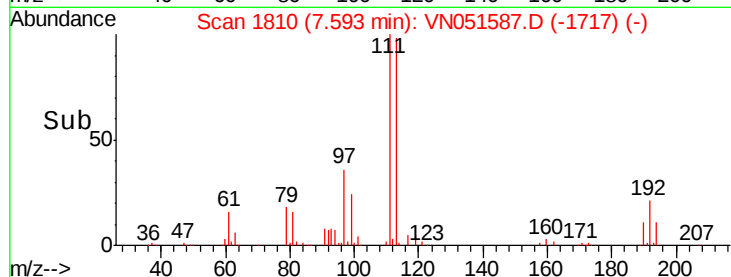
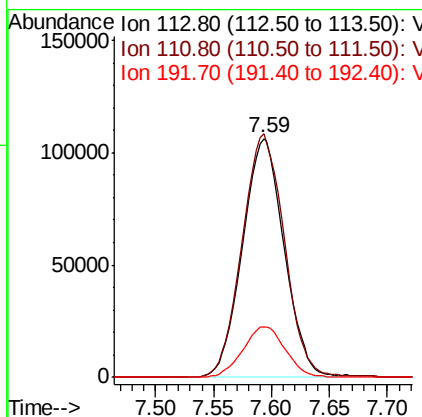
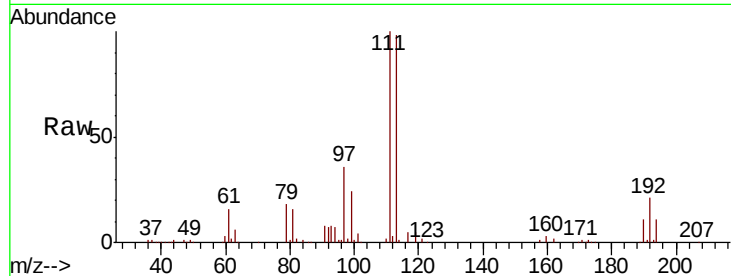
#35
 Dibromofluoromethane
 Concen: 45.676 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051587.D
 Acq: 27 Sep 2018 17:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	265693		
111	103.7	82.6	123.8	
192	21.6	18.0	27.0	

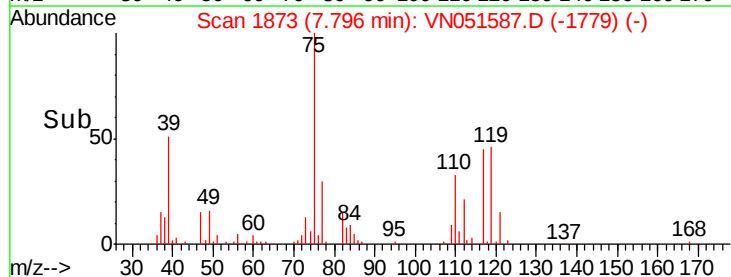
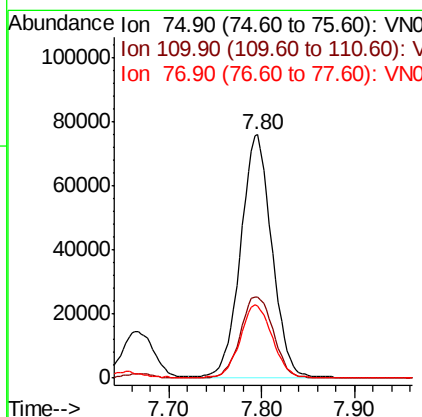
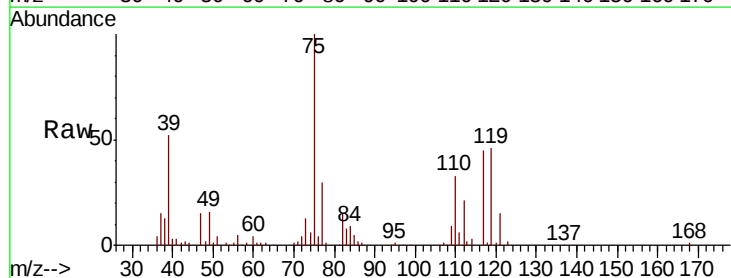
Manual Integrations
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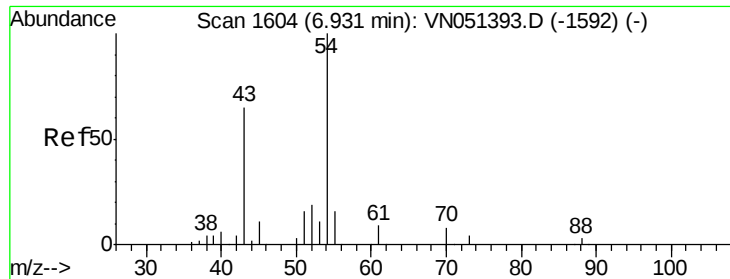
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#36
 1,1-Dichloropropene
 Concen: 20.998 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051587.D
 Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	176880		
110	35.5	18.1	54.3	
77	30.8	25.6	38.4	





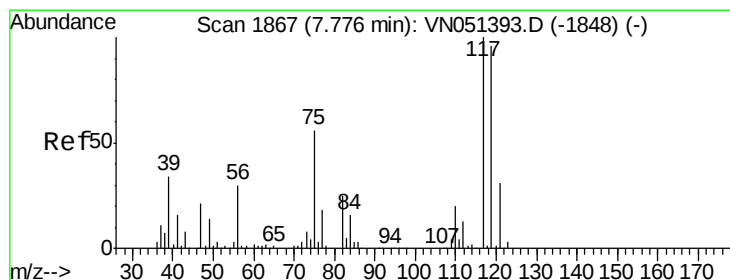
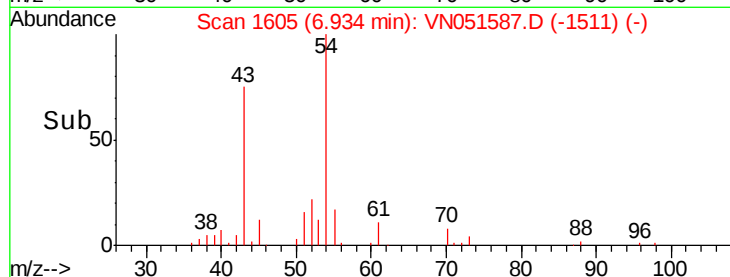
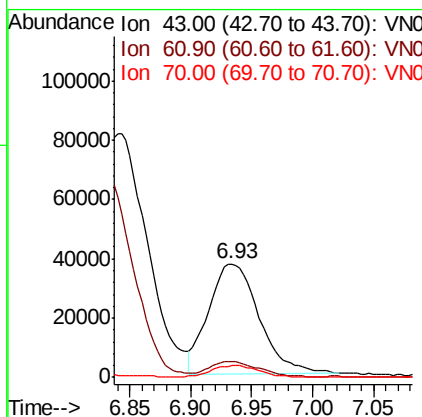
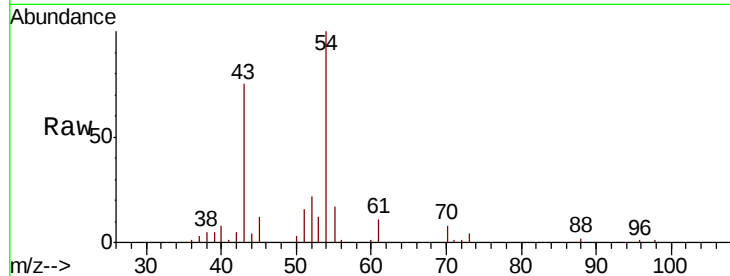
#37
Ethyl Acetate
Concen: 22.287 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampled :
VN0927WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.5	17.3
70	10.4	7.9	11.9

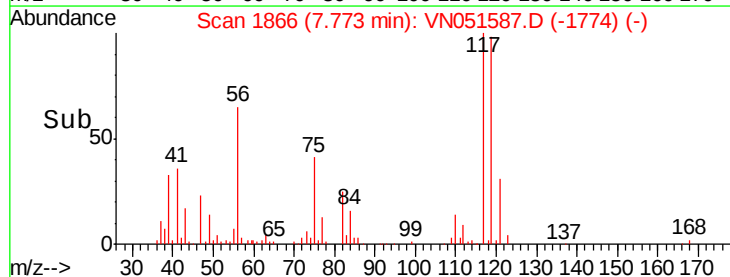
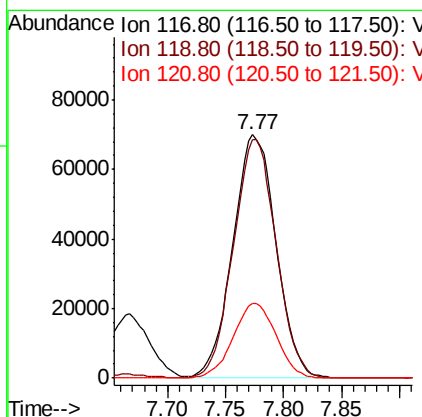
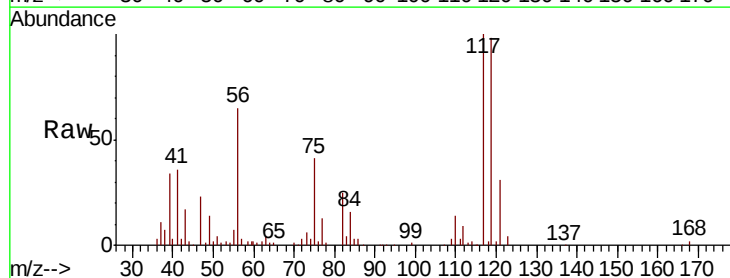
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 20.655 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.9	115.3
121	30.5	24.6	37.0





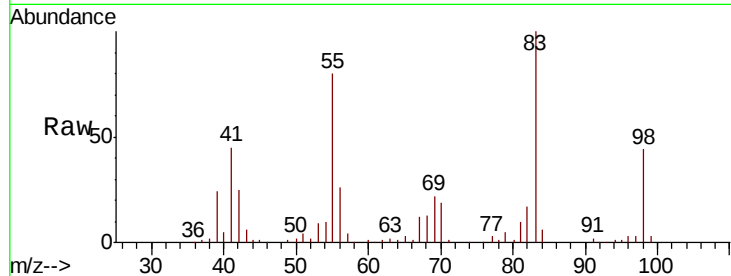
#39
Methvlcvclohexane
Concen: 19.906 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	61.0	91.4
98	43.9	35.6	53.4

Manual Integrations
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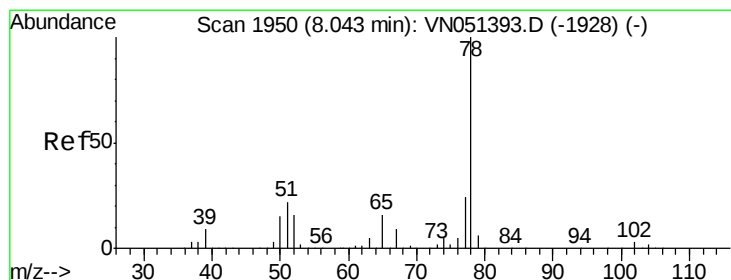
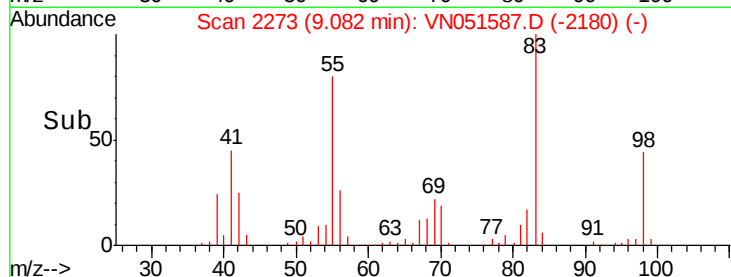
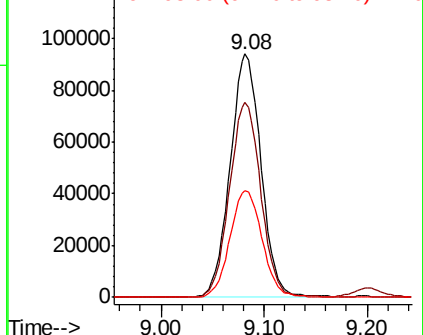


Abundance

Ion 83.00 (82.70 to 83.70): VN0

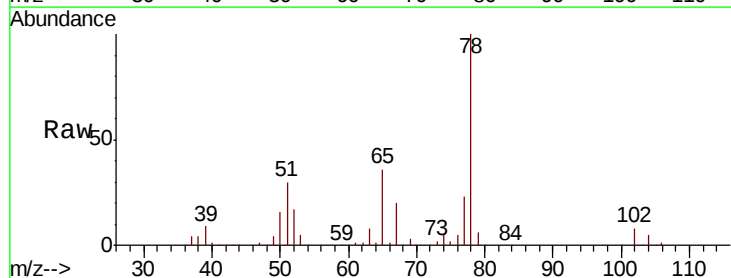
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 21.780 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

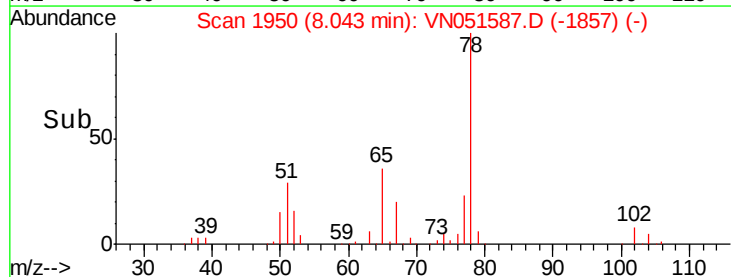
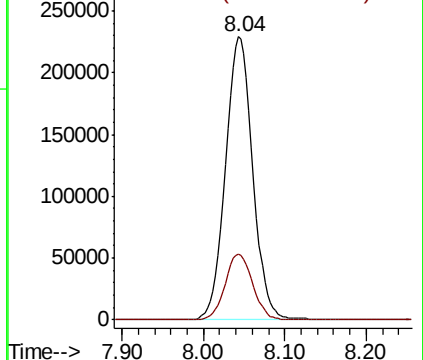
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8

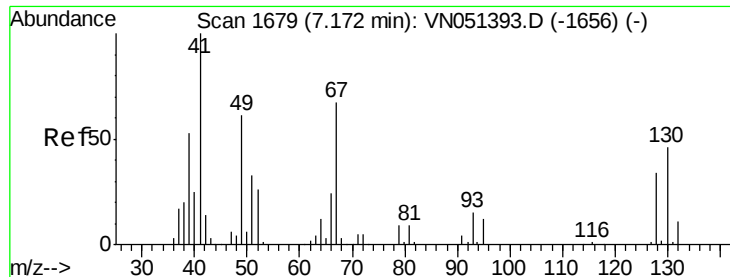


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





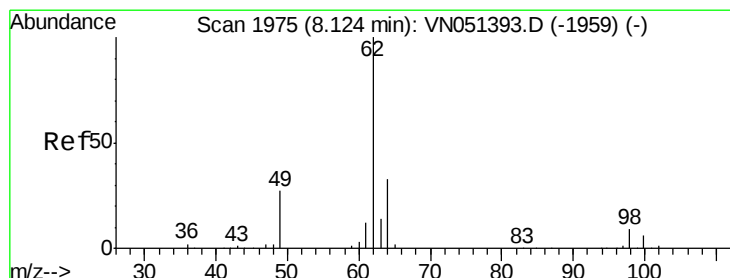
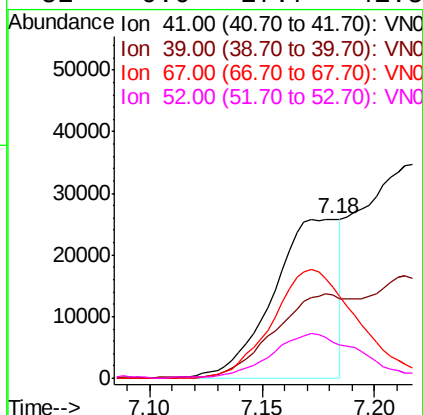
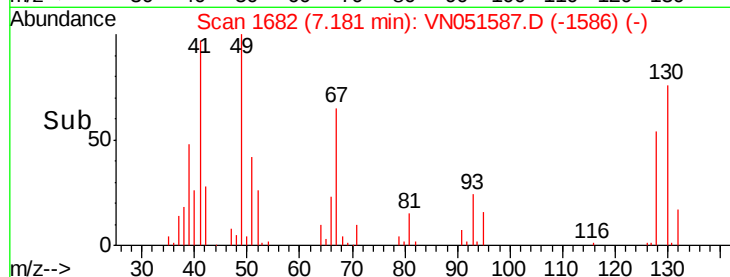
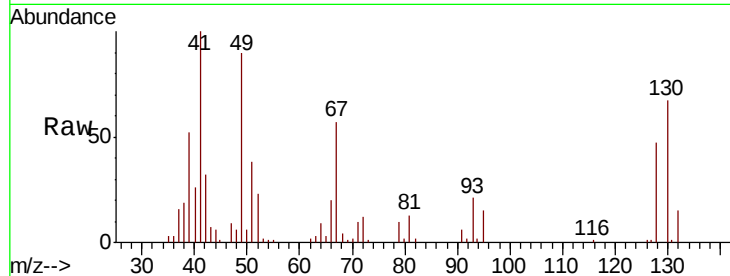
#41
Methacrylonitrile
Concen: 19.888 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.4	77.2#
67	0.0	66.8	100.2#
52	0.0	27.7	41.5#

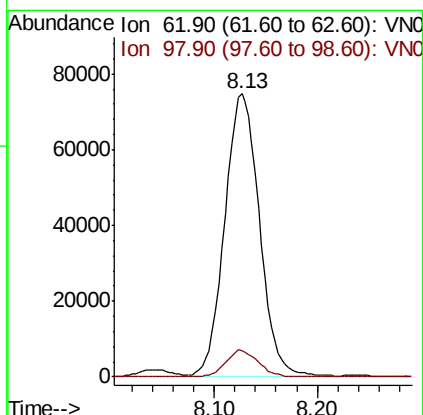
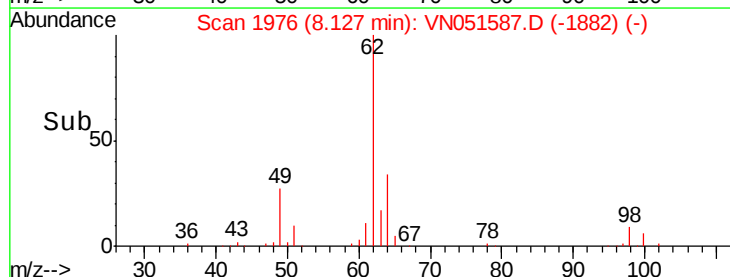
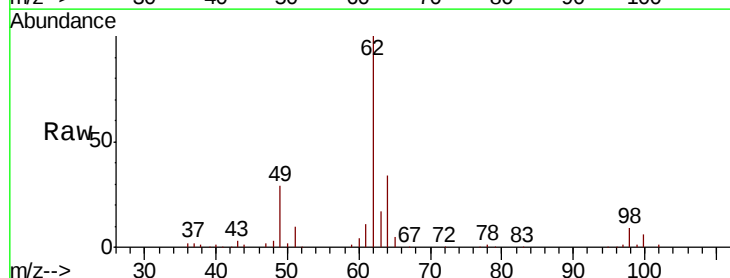
Manual Integrations
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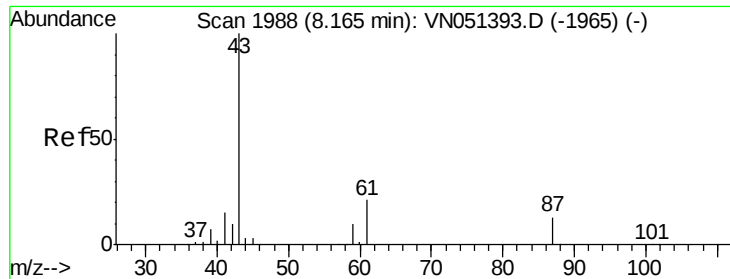
MMDadoda
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#42
1,2-Dichloroethane
Concen: 22.010 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.6





#43

Isopropyl Acetate

Concen: 23.847 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

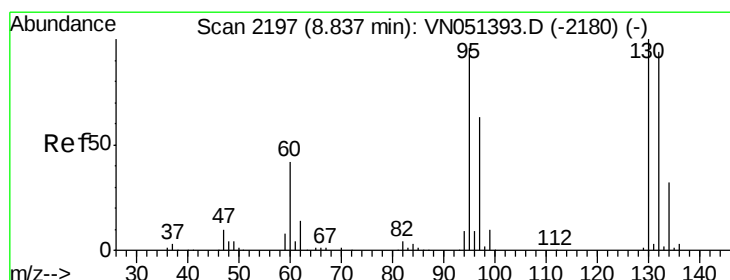
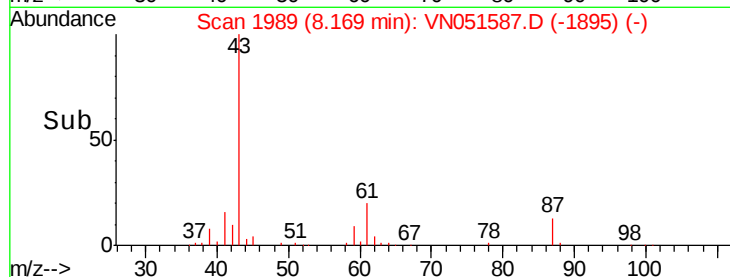
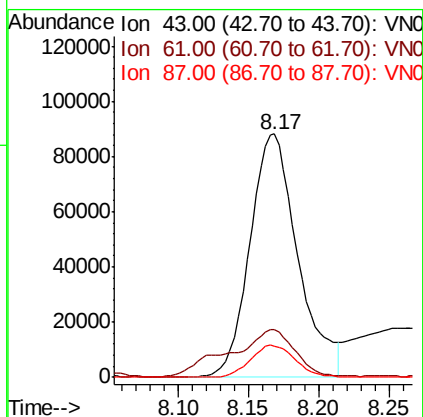
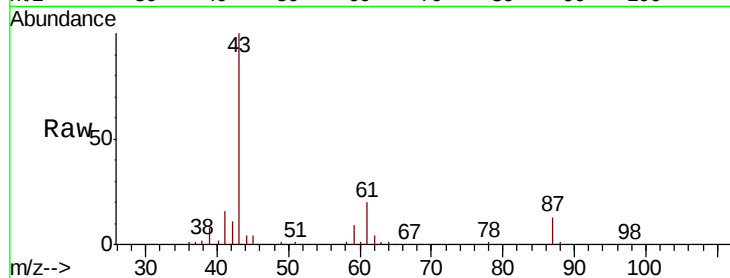
ClientSampleId :

VN0927WBSD03

Tot Ion:	43	Resp:	208856
Ion	Ratio	Lower	Upper
43	100		
61	26.5	16.8	25.2#
87	12.3	10.7	16.1

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#44

Trichloroethene

Concen: 20.771 ug/l

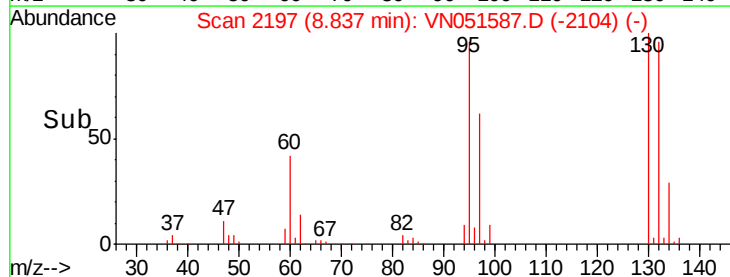
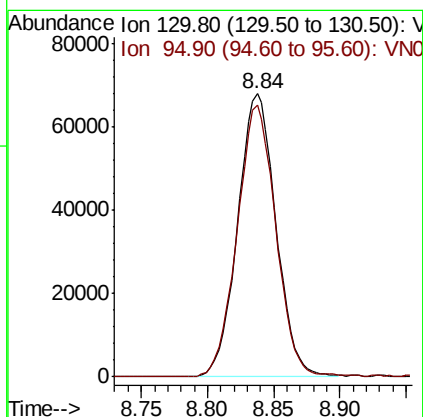
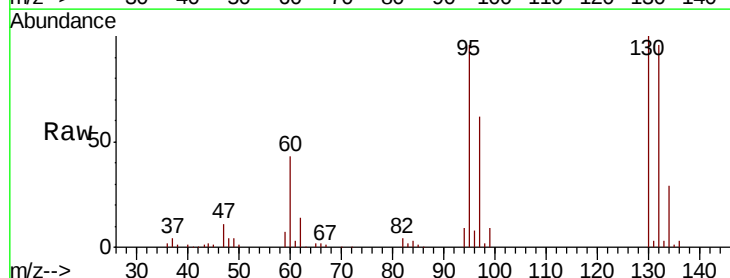
RT: 8.84 min Scan# 2197

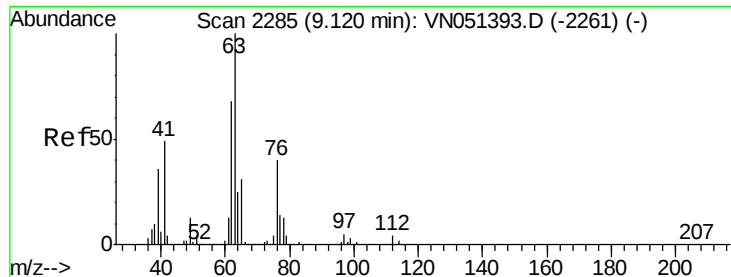
Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Tgt Ion:	130	Resp:	136455
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	192.2





#45

1,2-Dichloropropane

Concen: 21.944 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD03

Tot Ion: 63 Resp: 147539

Ion Ratio Lower Upper

63 100

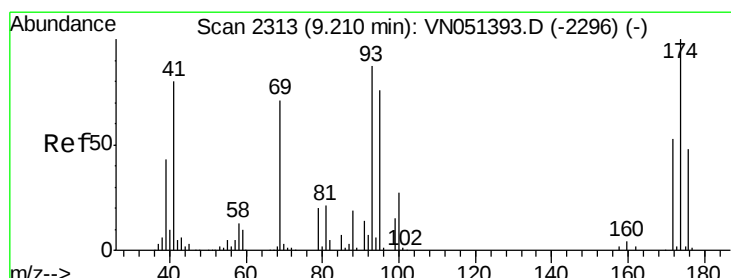
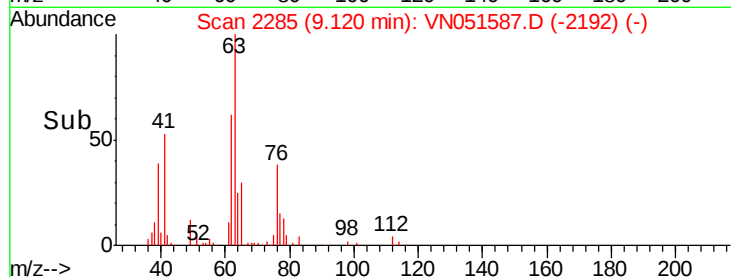
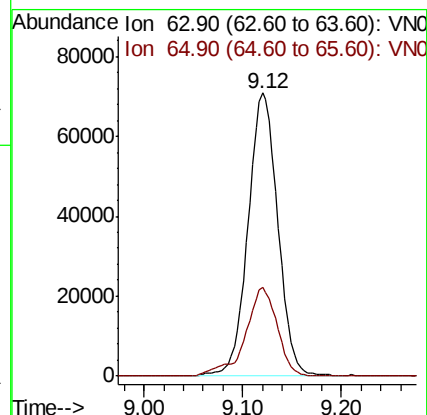
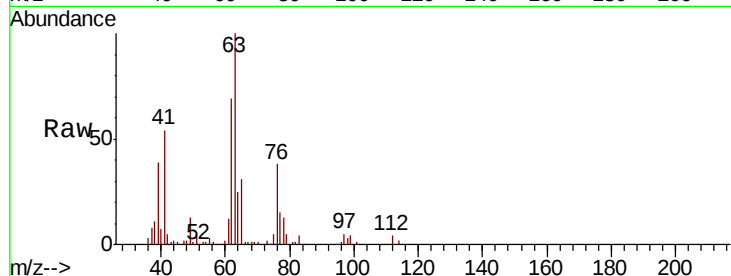
65 31.2 24.9 37.3

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#46

Dibromomethane

Concen: 22.550 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

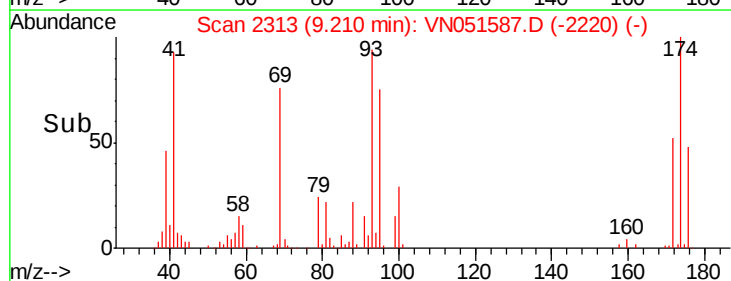
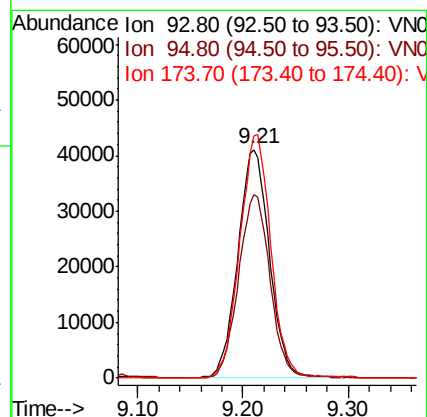
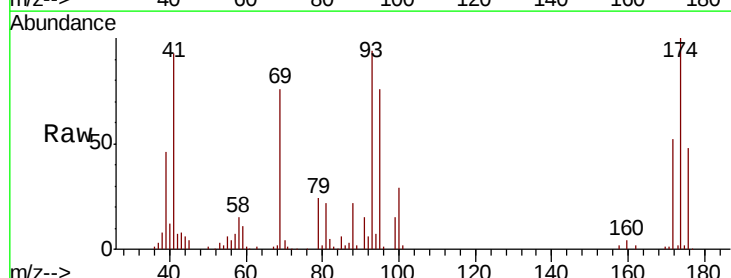
Tgt Ion: 93 Resp: 85665

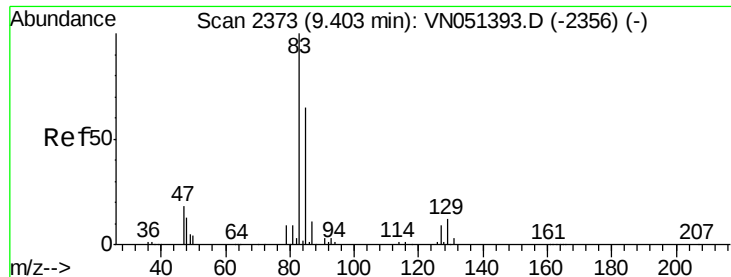
Ion Ratio Lower Upper

93 100

95 79.7 67.6 101.4

174 103.9 89.6 134.4





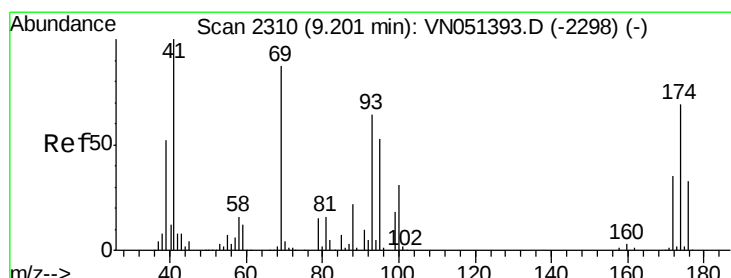
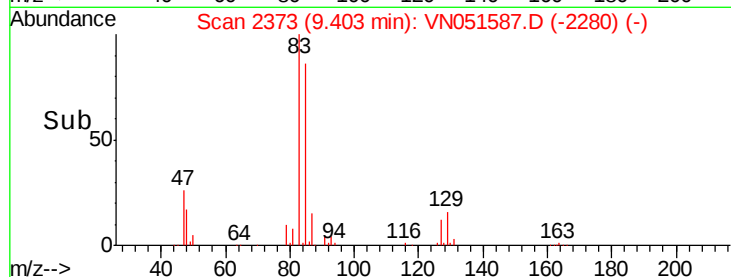
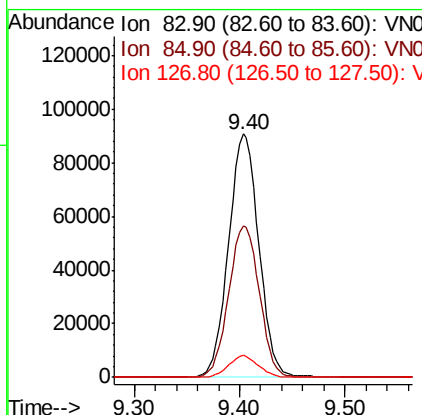
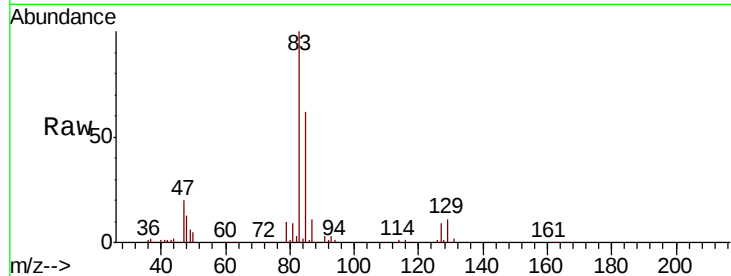
#47
Bromodichloromethane
Concen: 21.418 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.3	51.8	77.6	
127	9.0	7.4	11.2	

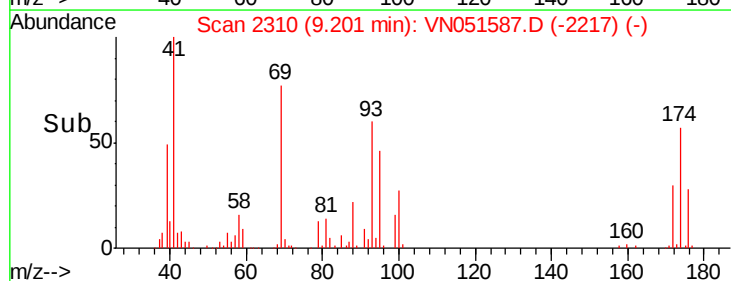
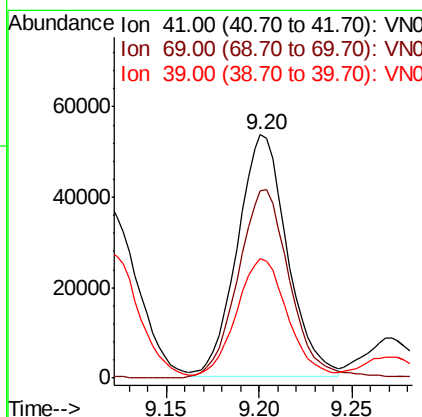
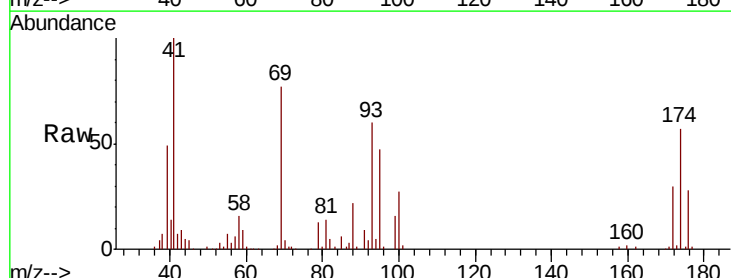
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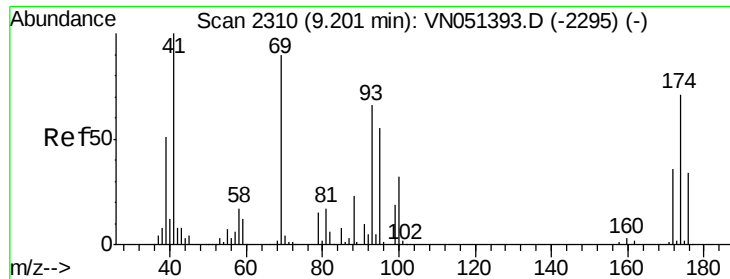
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#48
Methyl methacrylate
Concen: 23.037 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	81.1	70.4	105.6	
39	50.2	43.8	65.8	





#49

1,4-Dioxane

Concen: 460.722 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD03

Tot Ion: 88 Resp: 24655

Ion Ratio Lower Upper

88 100

43 32.9 25.9 38.9

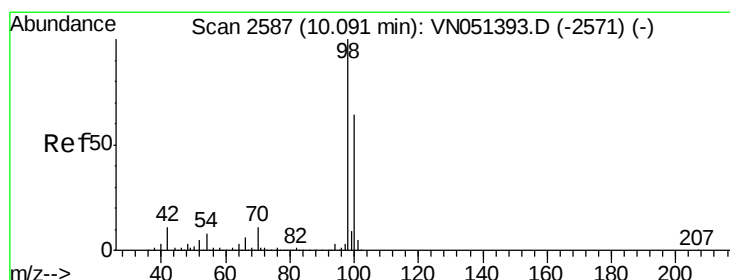
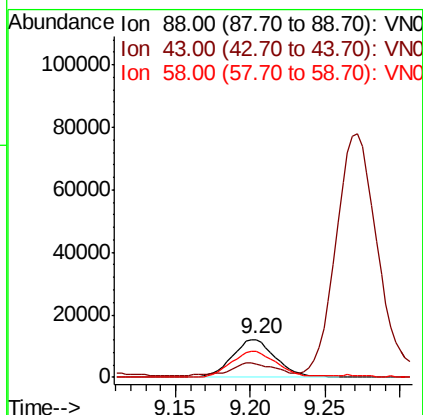
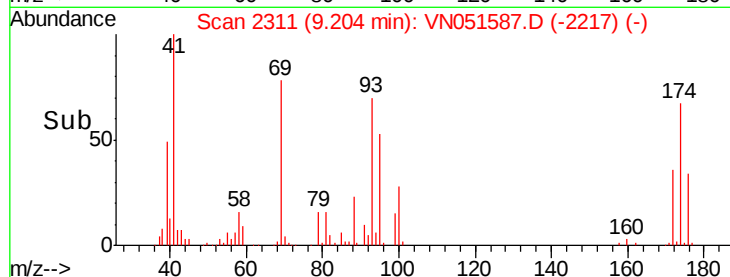
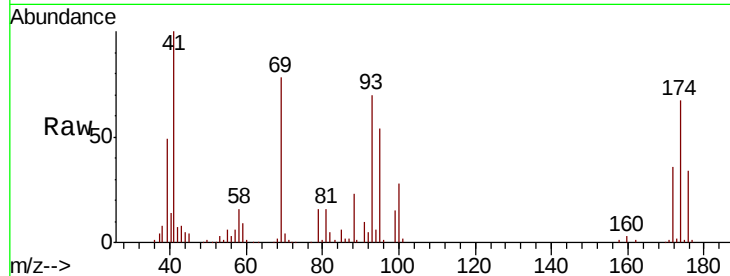
58 71.7 57.0 85.4

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#50

Toluene-d8

Concen: 43.404 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051587.D

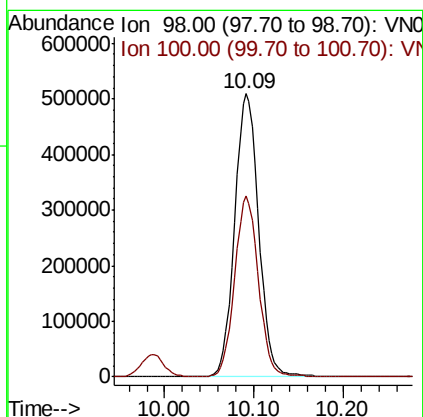
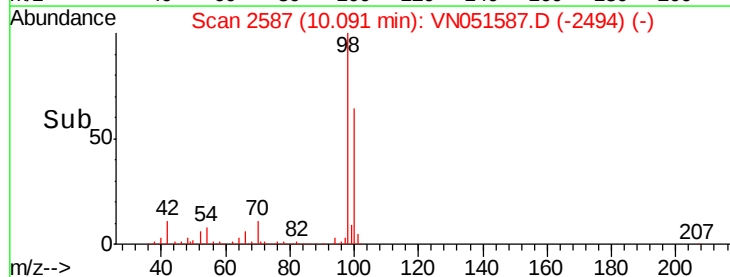
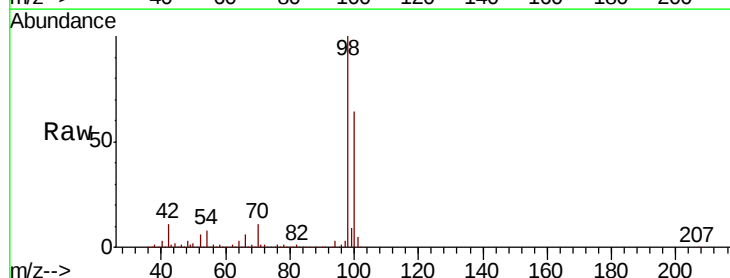
Acq: 27 Sep 2018 17:15

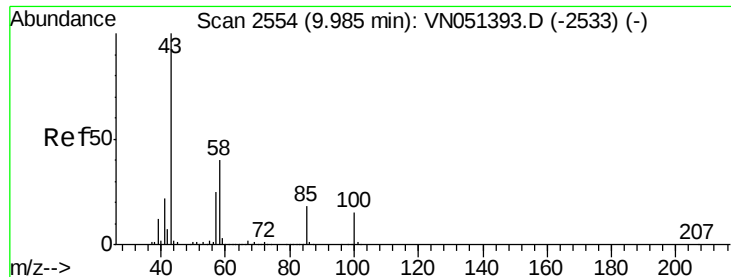
Tgt Ion: 98 Resp: 950737

Ion Ratio Lower Upper

98 100

100 63.5 50.6 75.8





#51

4-Methyl-2-Pentanone

Concen: 114.295 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD03

Tot Ion: 43 Resp: 550516

Ion Ratio Lower Upper

43 100

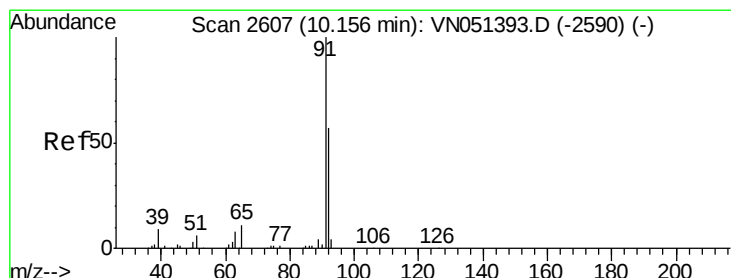
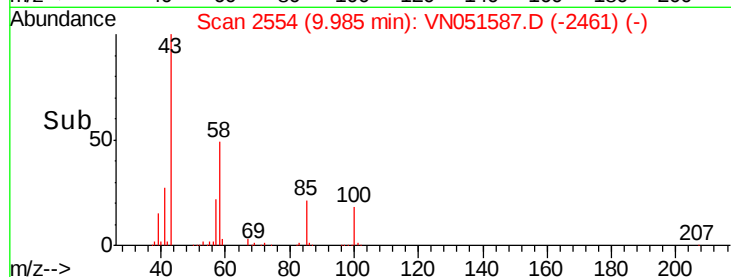
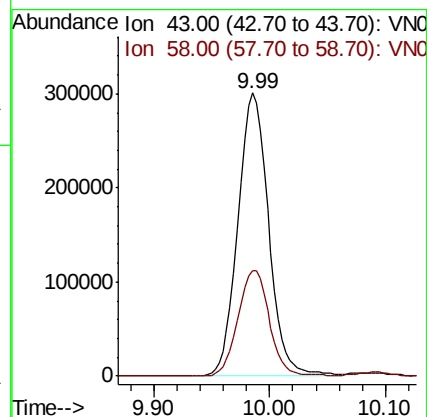
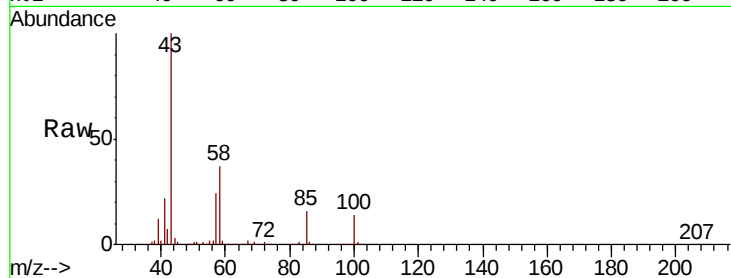
58 38.2 31.5 47.3

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#52

Toluene

Concen: 21.091 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051587.D

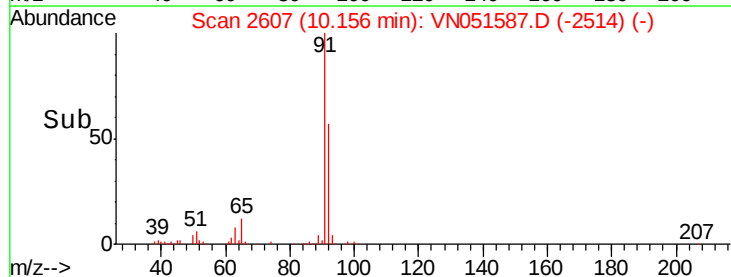
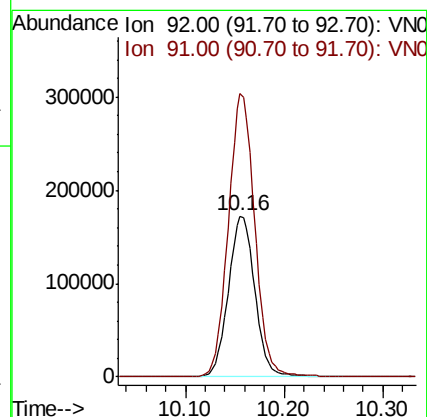
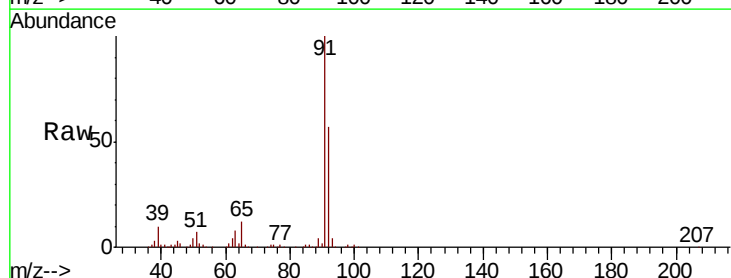
Acq: 27 Sep 2018 17:15

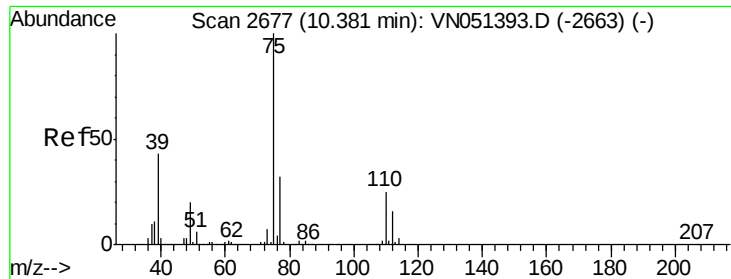
Tgt Ion: 92 Resp: 324197

Ion Ratio Lower Upper

92 100

91 175.5 142.2 213.4





#53

t-1,3-Dichloropropene

Concen: 20.210 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampled :

VN0927WBSD03

Tot Ion: 75 Resp: 171531

Ion Ratio Lower Upper

75 100

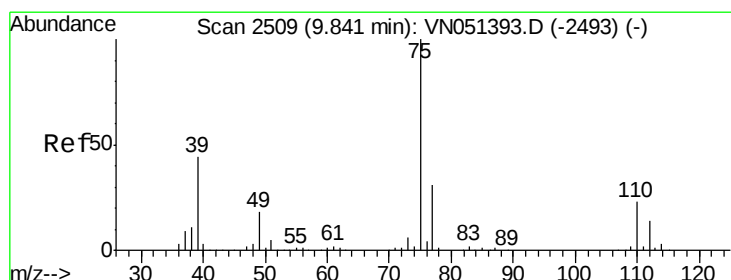
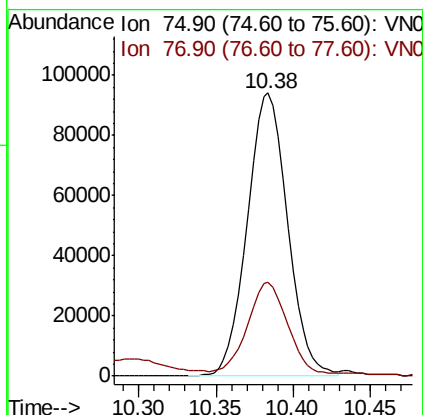
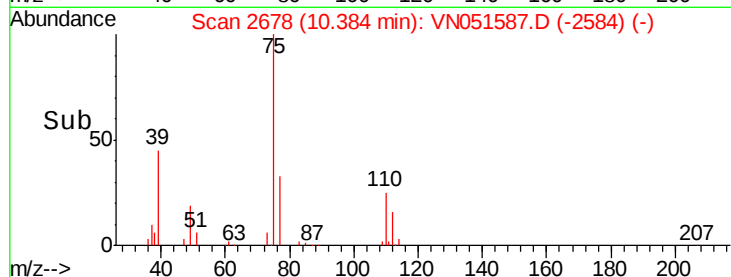
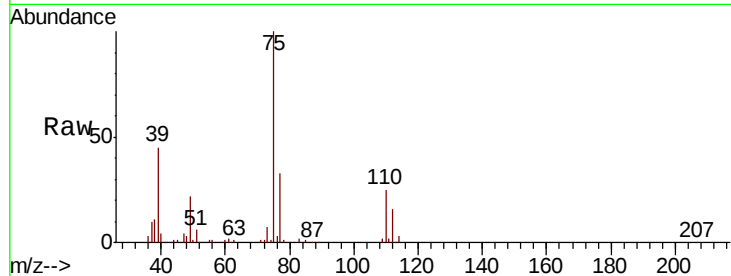
77 32.3 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.906 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

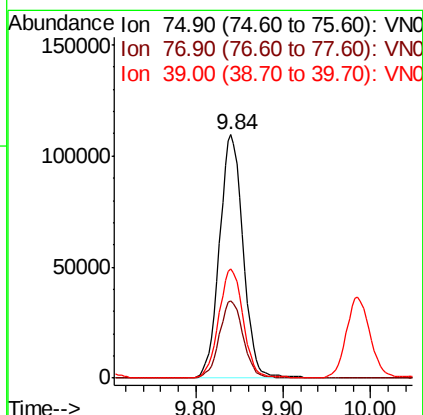
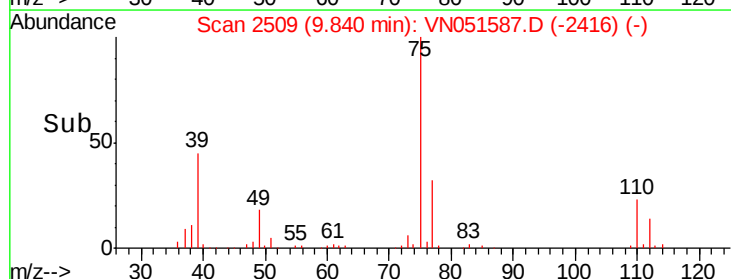
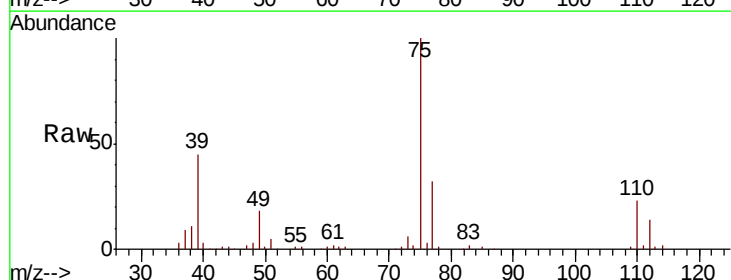
Tgt Ion: 75 Resp: 205777

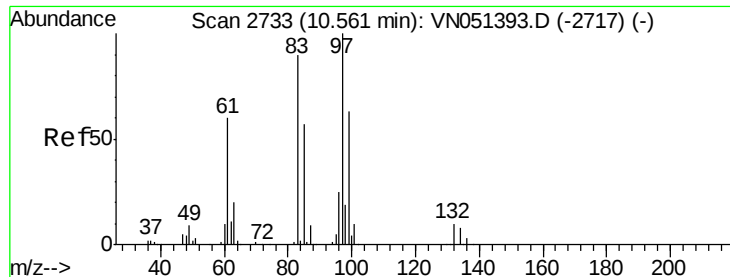
Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

39 44.9 35.4 53.2





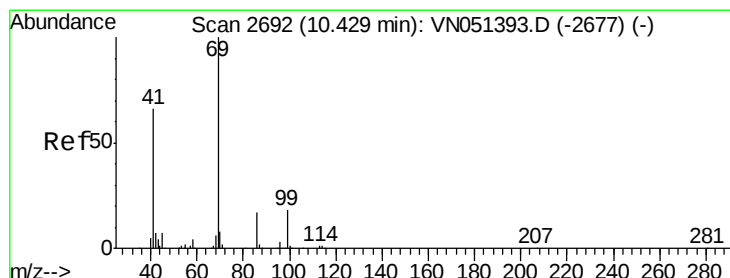
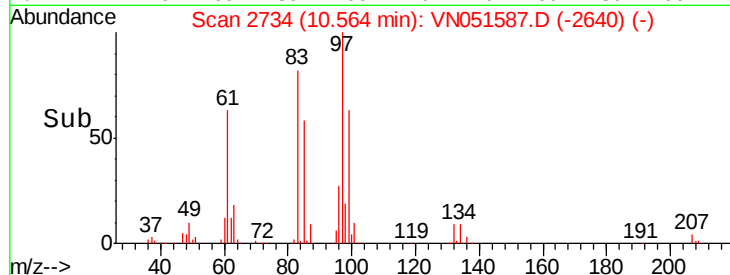
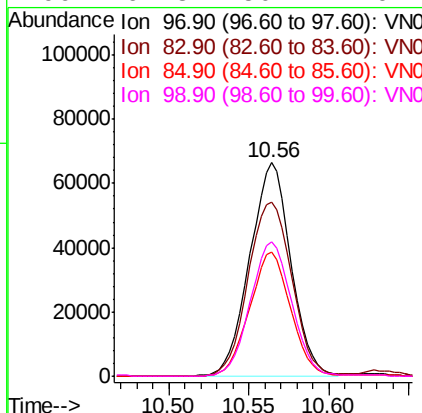
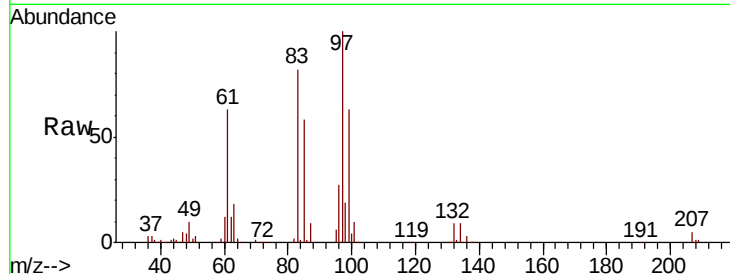
#55
 1,1,2-Trichloroethane
 Concen: 21.573 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051587.D
 Acq: 27 Sep 2018 17:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD03

Tot Ion:	97	Resp:	117193
Ion	Ratio	Lower	Upper
97	100		
83	81.8	72.0	108.0
85	58.3	45.2	67.8
99	62.8	50.7	76.1

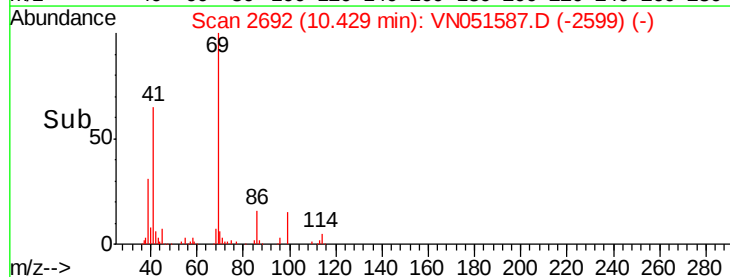
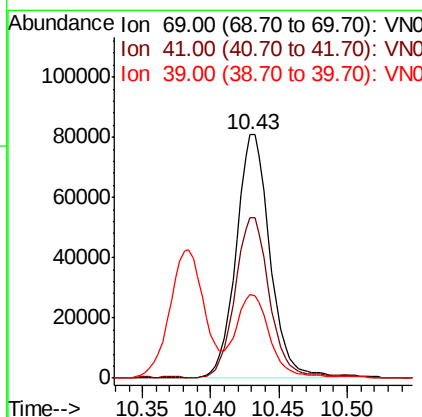
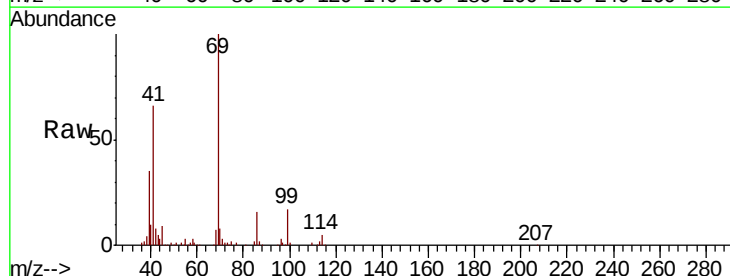
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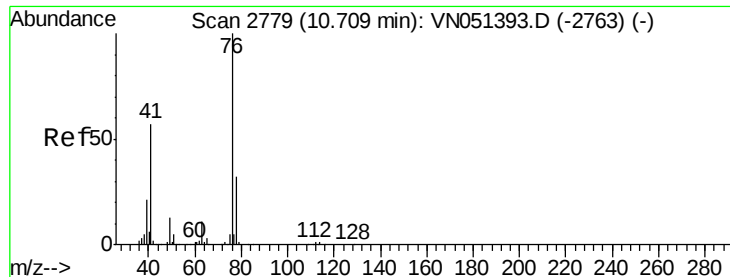
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#56
 Ethyl methacrylate
 Concen: 21.056 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051587.D
 Acq: 27 Sep 2018 17:15

Tgt Ion:	69	Resp:	139851
Ion	Ratio	Lower	Upper
69	100		
41	67.0	52.4	78.6
39	34.1	26.3	39.5





#57

1,3-Dichloropropane

Concen: 21.250 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD03

Tot Ion: 76 Resp: 197867

Ion Ratio Lower Upper

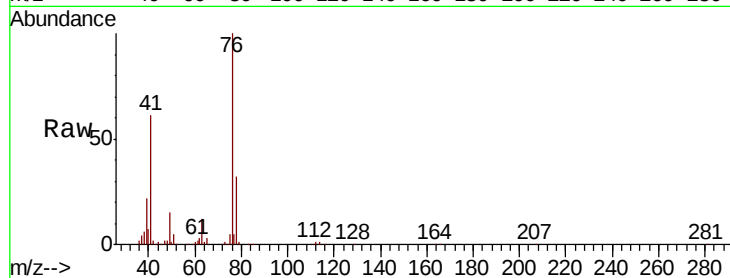
76 100

78 32.9 25.5 38.3

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Abundance Ion 75.90 (75.60 to 76.60): VN051393.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN051393.D (-2763) (-)

10.71

120000

100000

80000

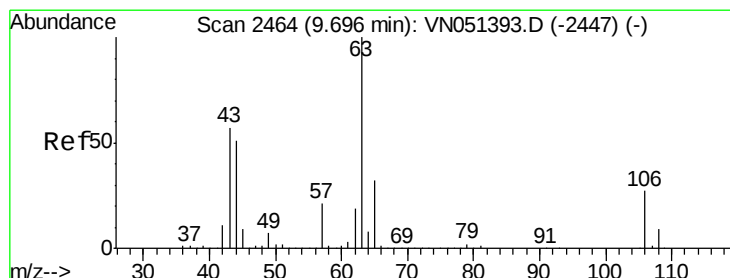
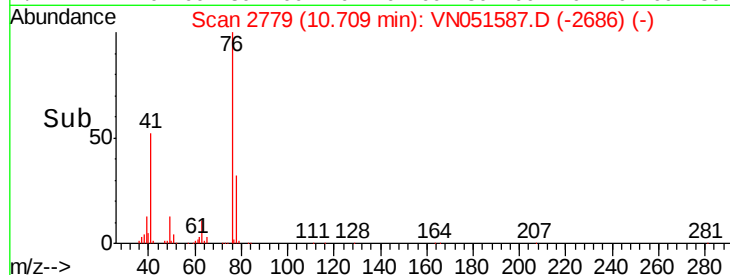
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.675 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051587.D

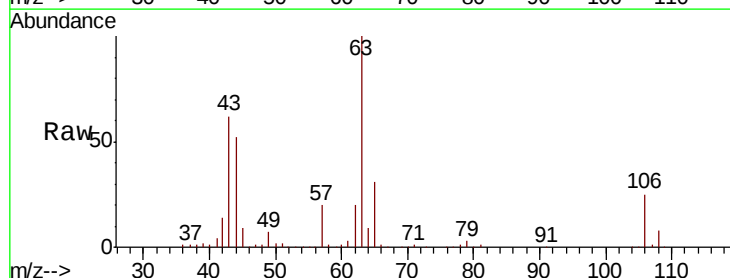
Acq: 27 Sep 2018 17:15

Tgt Ion: 63 Resp: 314258

Ion Ratio Lower Upper

63 100

106 25.9 21.4 32.2



Abundance Ion 62.90 (62.60 to 63.60): VN051393.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN051393.D (-2447) (-)

9.70

200000

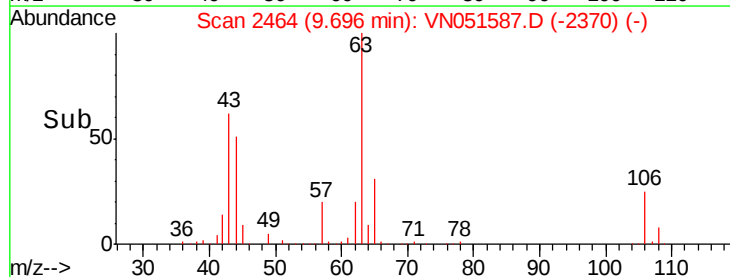
150000

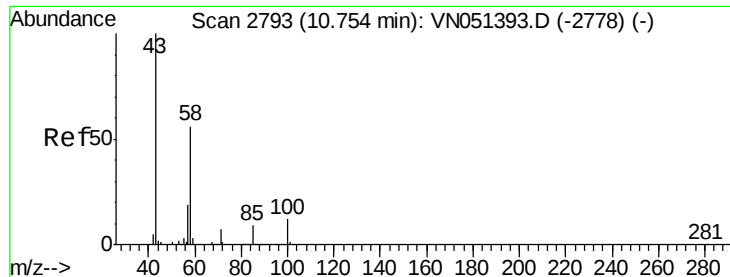
100000

50000

0

Time-->





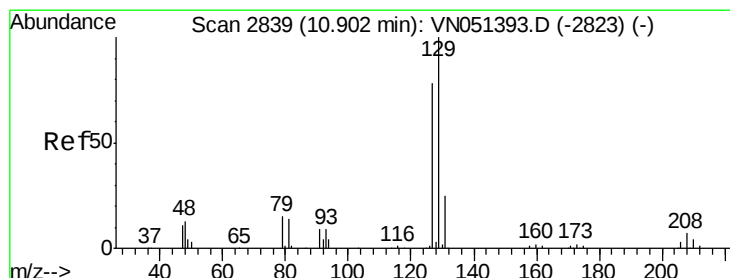
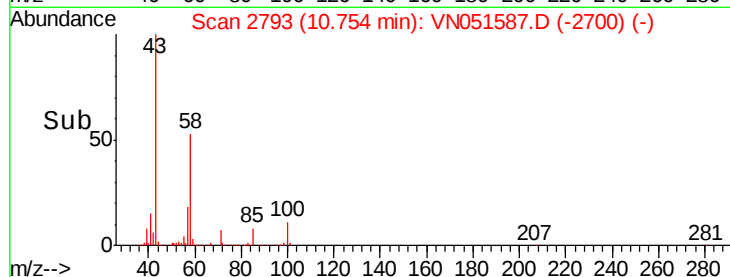
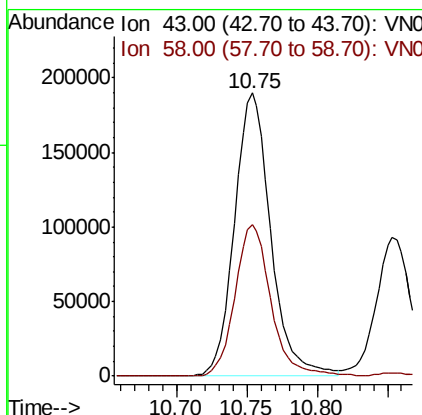
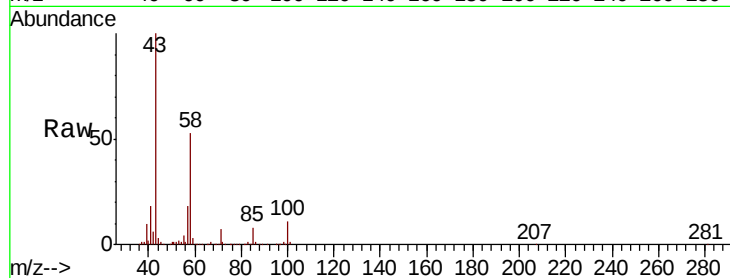
#59
2-Hexanone
Concen: 108.629 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.5	27.7	83.0

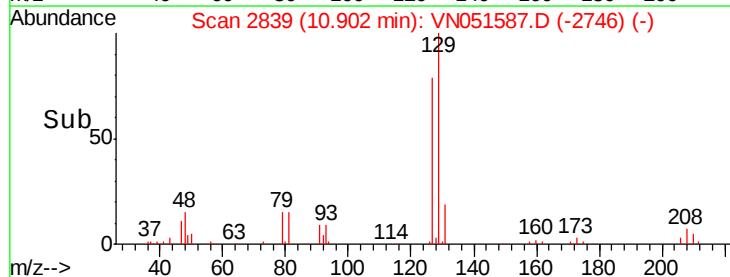
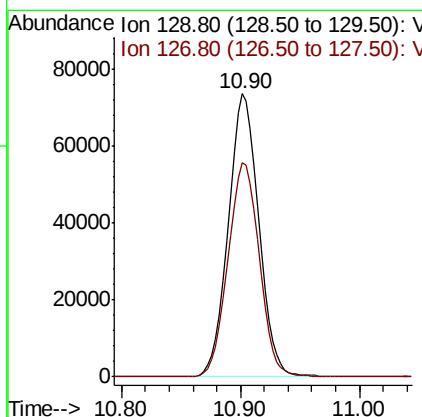
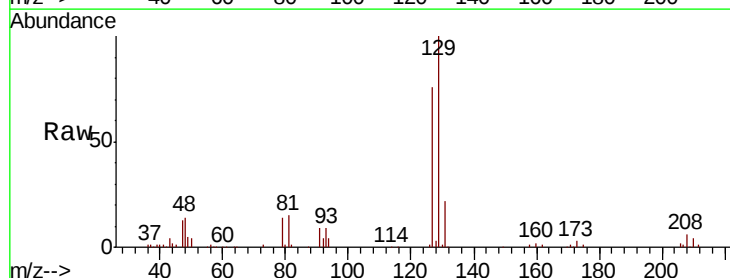
Manual Integrations
APPROVED

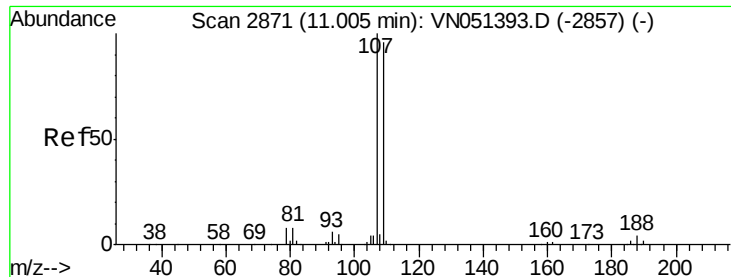
MMDadoda
9/28/2018 5:08:28 PM



#60
Dibromochloromethane
Concen: 20.358 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	116.0





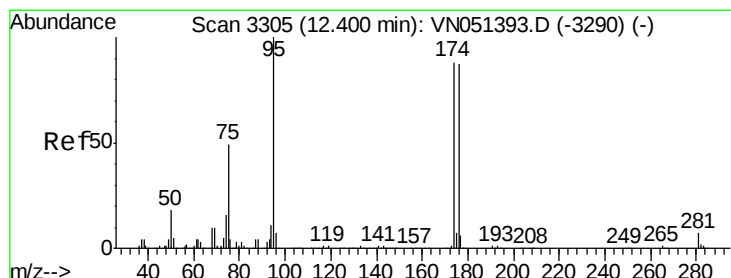
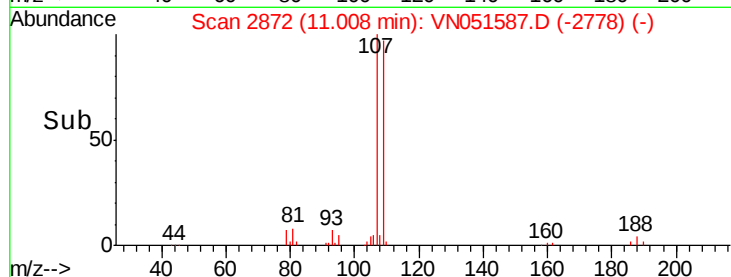
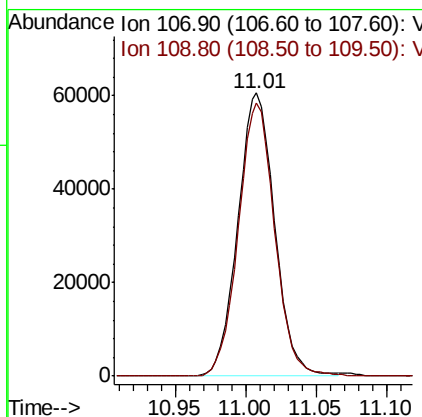
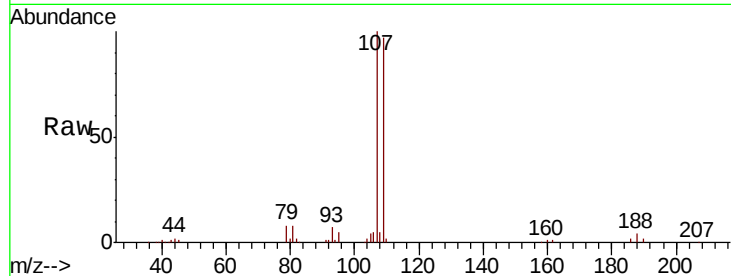
#61
 1,2-Dibromoethane
 Concen: 20.993 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051587.D
 Acq: 27 Sep 2018 17:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD03

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.3	114.5

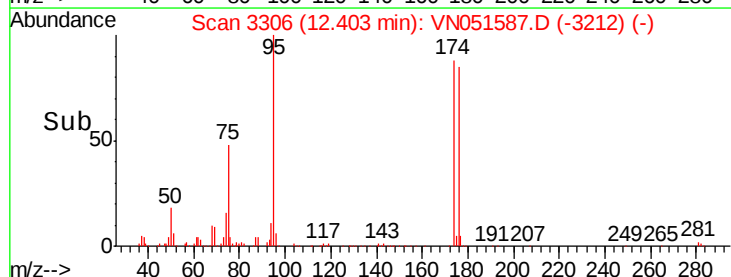
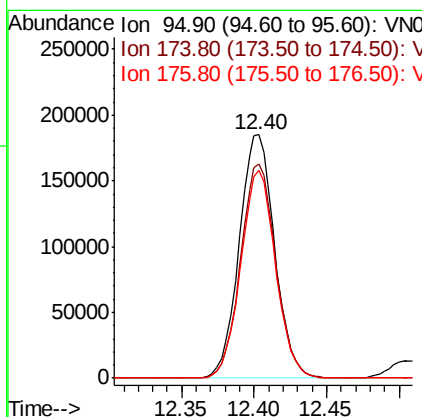
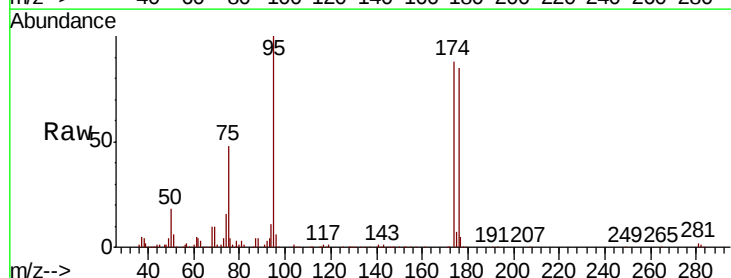
Manual Integrations
 APPROVED

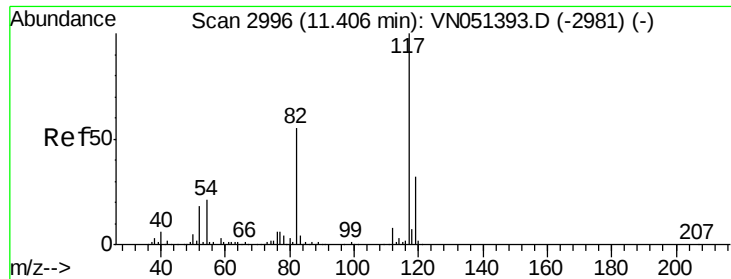
MMDadoda
 9/28/2018 5:08:28 PM



#62
 4-Bromofluorobenzene
 Concen: 44.235 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051587.D
 Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	181.6
176	84.0	0.0	176.4





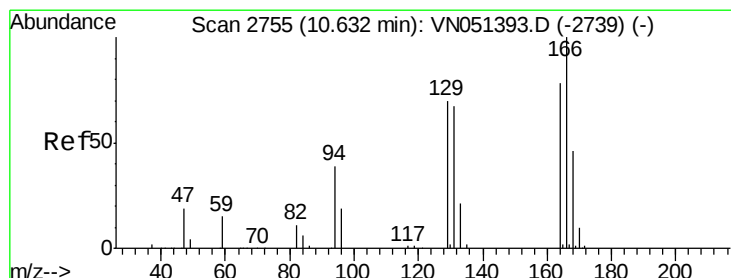
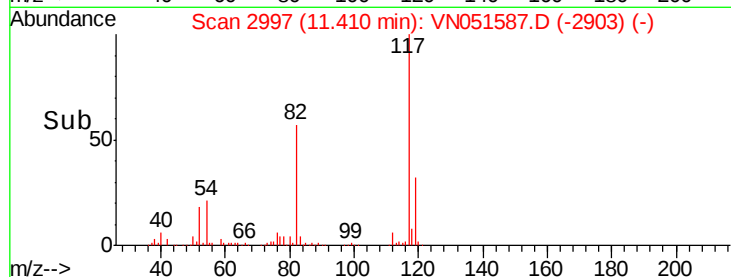
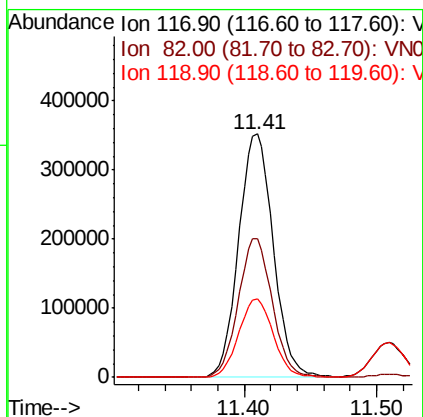
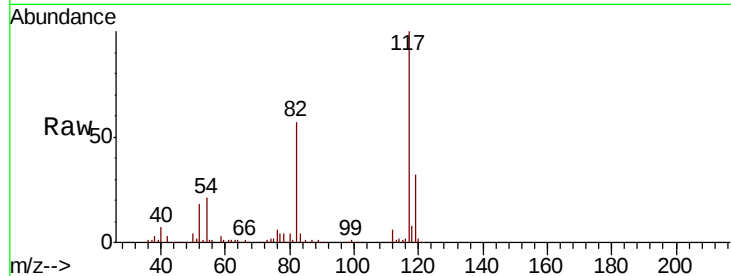
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.2	66.2
119	32.1	25.9	38.9

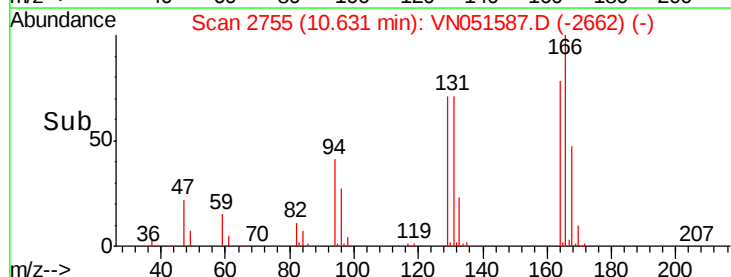
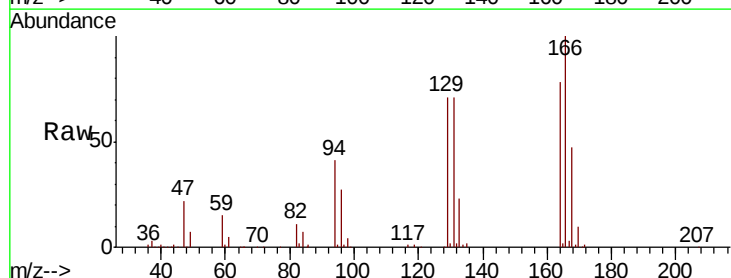
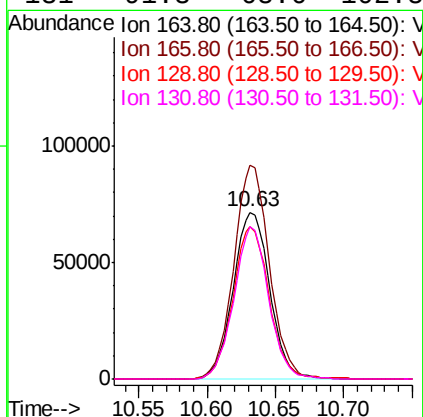
Manual Integrations
APPROVED

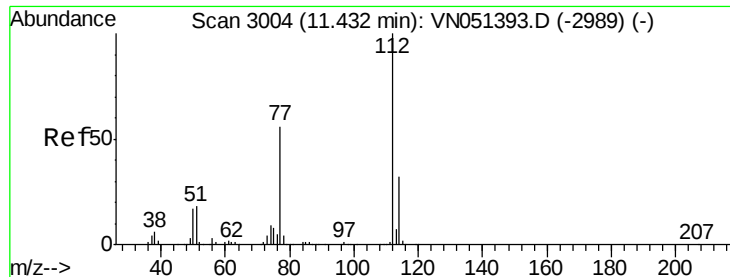
MMDadoda
9/28/2018 5:08:28 PM



#64
Tetrachloroethene
Concen: 23.015 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.3	153.5
129	91.5	71.8	107.8
131	91.3	68.6	102.8





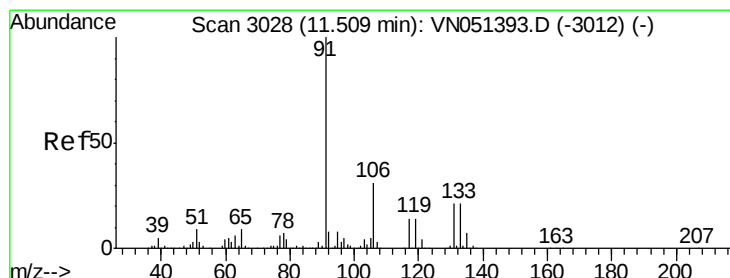
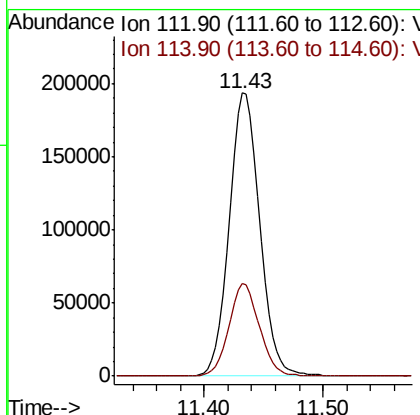
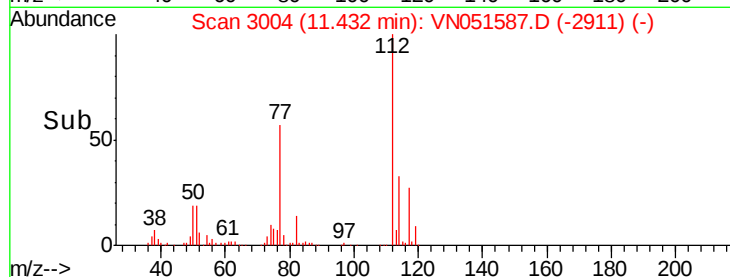
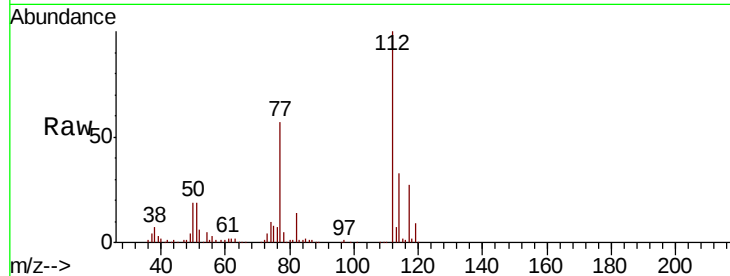
#65
Chlorobenzene
Concen: 21.035 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.4	38.2

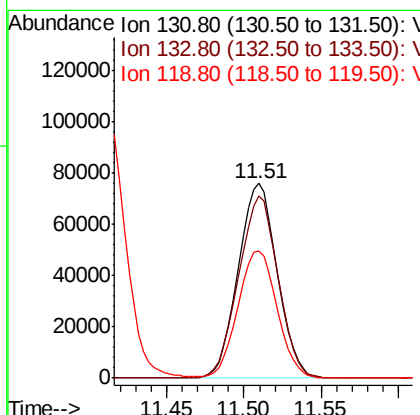
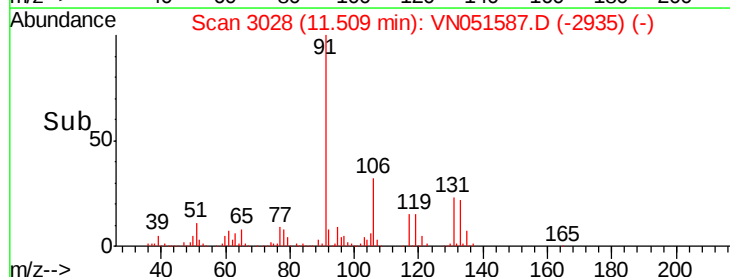
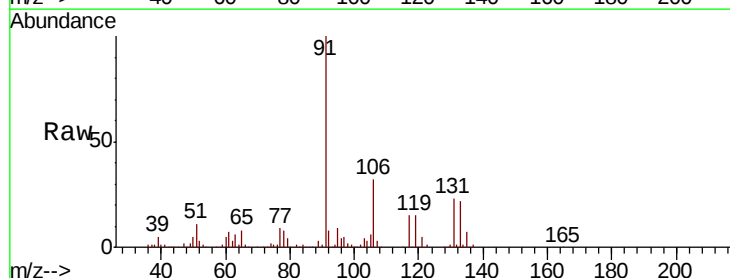
Manual Integrations
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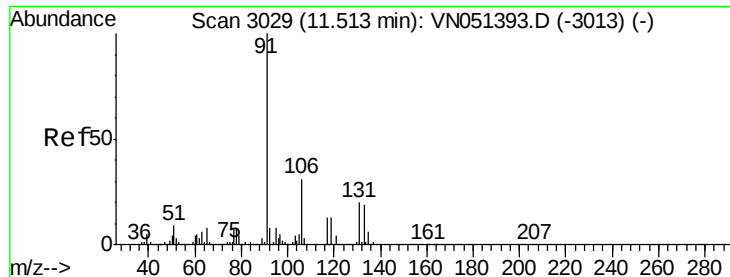
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.216 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.3	144.8
119	66.2	32.8	98.4





#67

Ethyl Benzene

Concen: 20.601 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD03

Tot Ion: 91 Resp: 568671

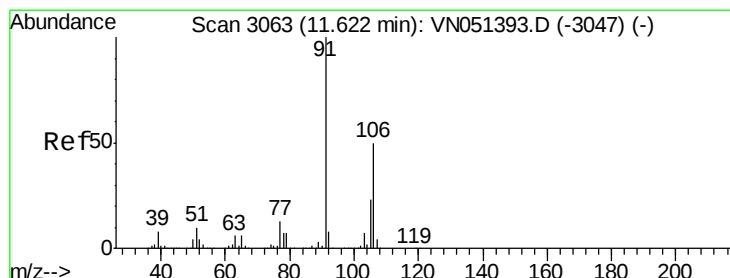
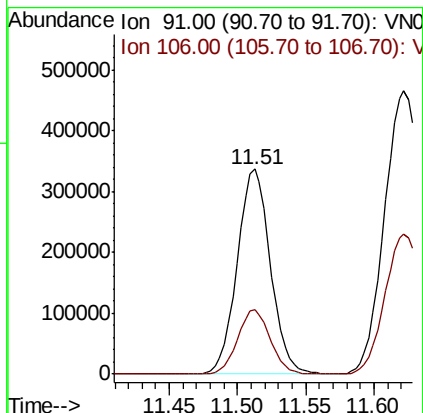
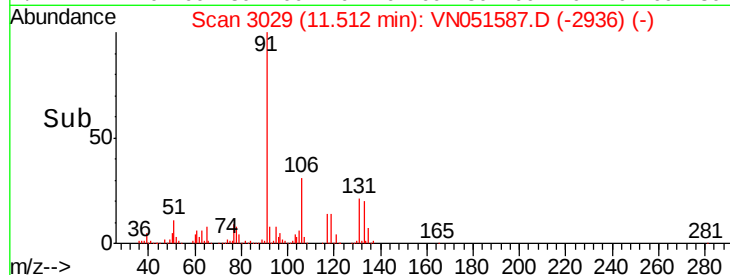
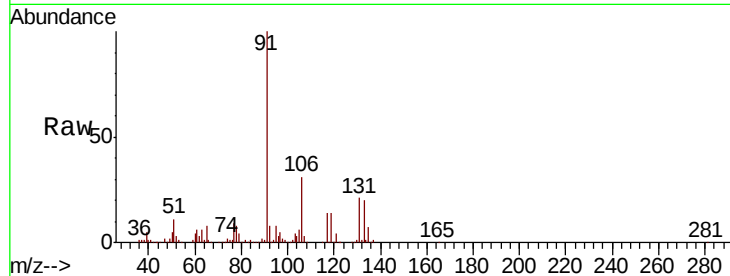
Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.4

Manual Integrations
APPROVED

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9/28/2018 5:08:28 PM



#68

m/p-Xylenes

Concen: 41.794 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051587.D

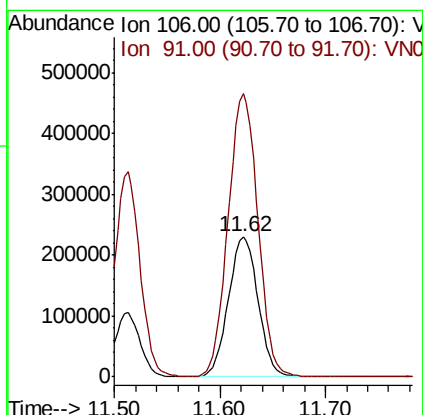
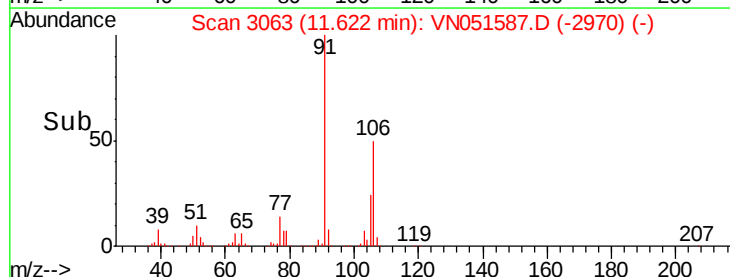
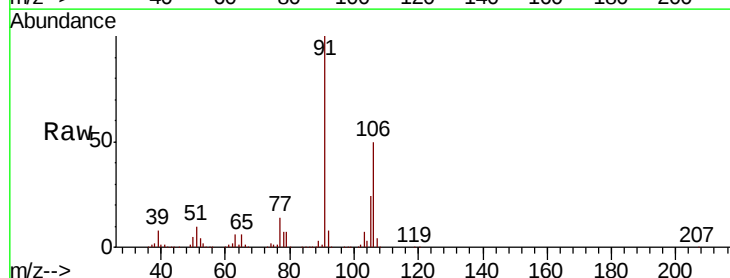
Acq: 27 Sep 2018 17:15

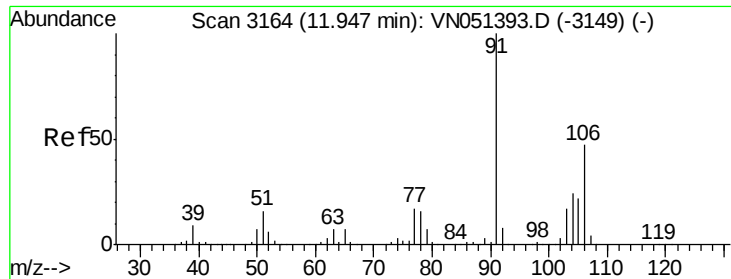
Tgt Ion: 106 Resp: 446258

Ion Ratio Lower Upper

106 100

91 203.1 161.3 241.9





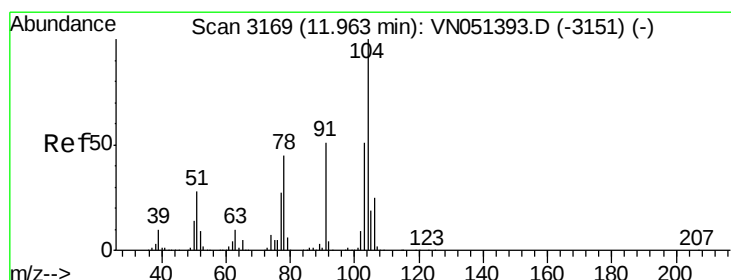
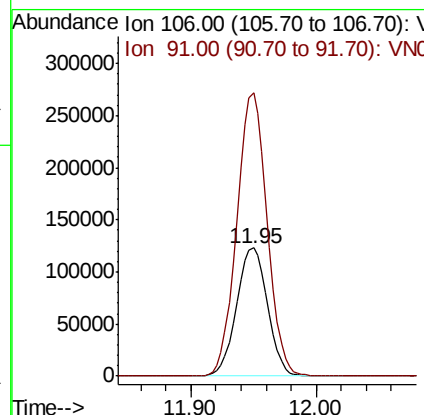
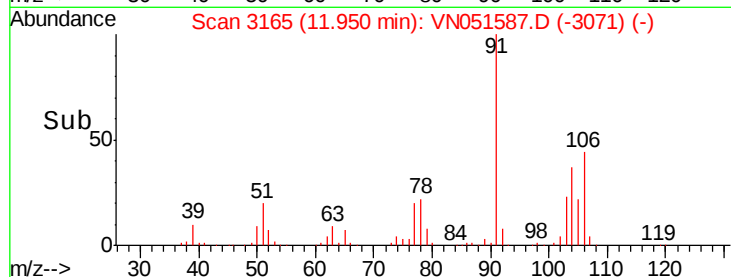
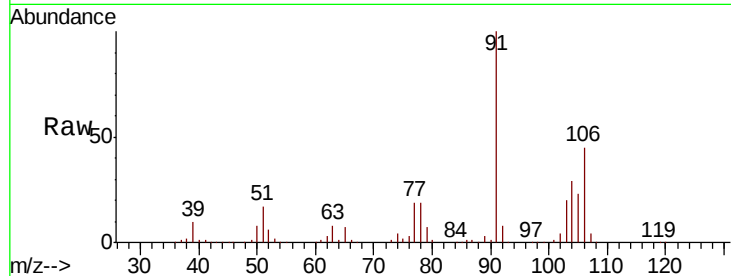
#69
o-Xylene
Concen: 20.586 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
211314	106	100			
	91	216.1	105.3	315.9	

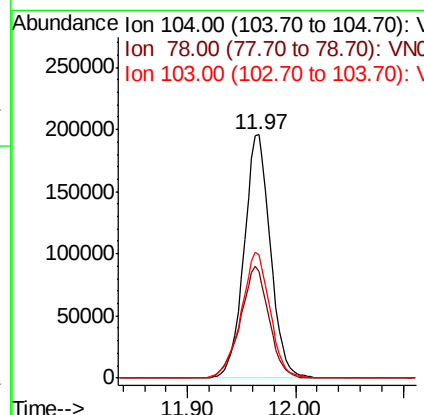
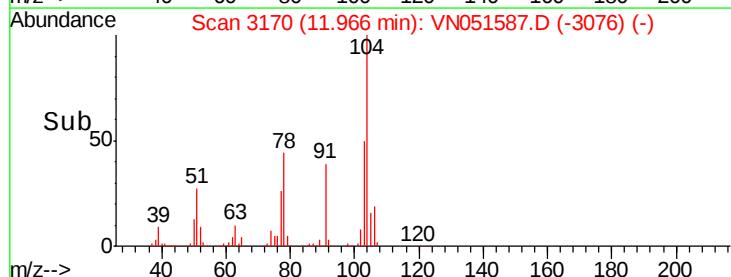
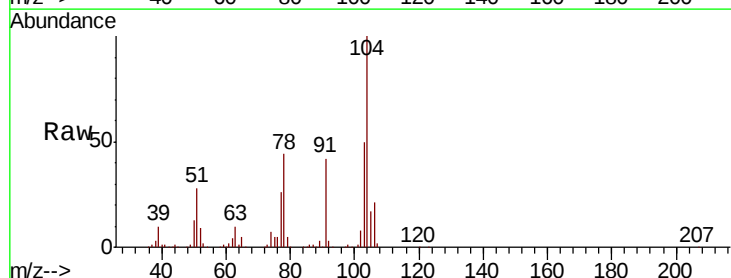
Manual Integrations
APPROVED

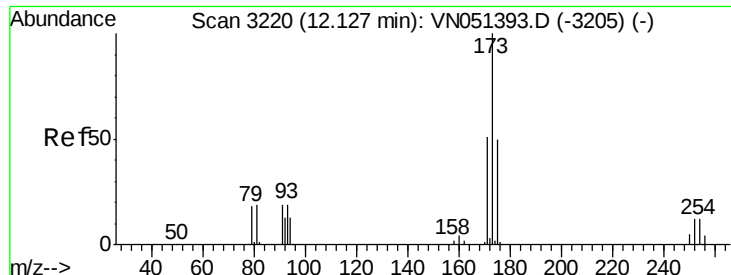
MMDadoda
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#70
Styrene
Concen: 20.490 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
333285	104	100			
	78	49.9	39.9	59.9	
	103	56.4	44.6	66.8	





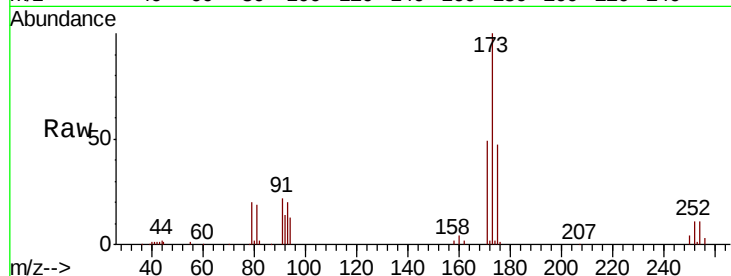
#71
Bromoform
Concen: 20.774 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.8	74.3
254	0.0	0.2	0.2

Manual Integrations
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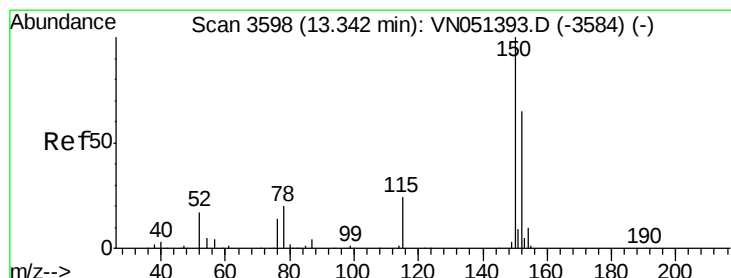
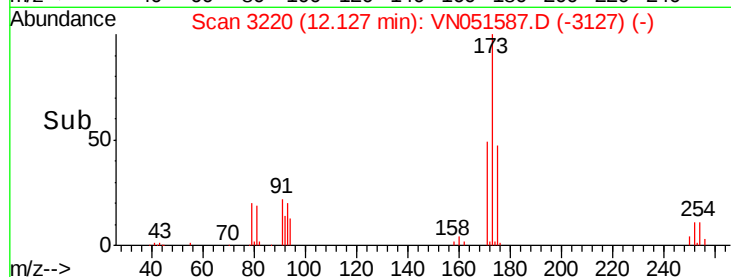
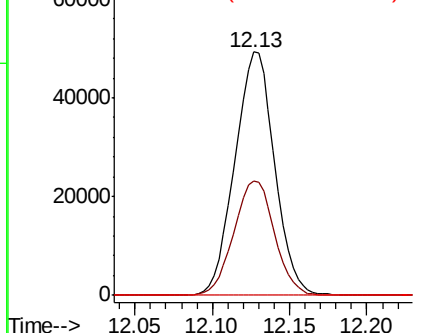


Abundance

Ion 172.70 (172.40 to 173.40): V

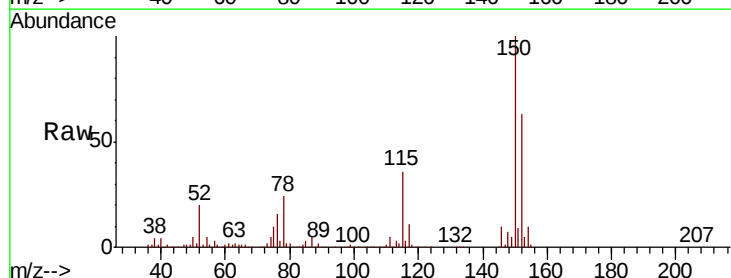
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.3	84.9
150	165.1	0.0	353.6

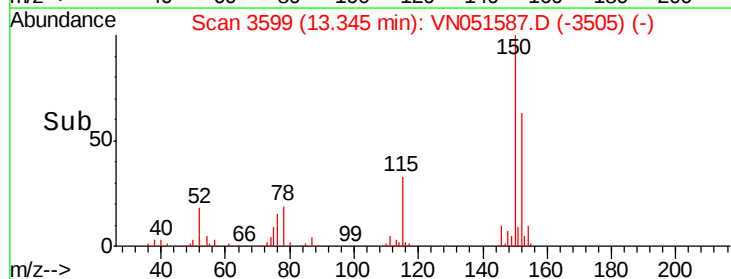
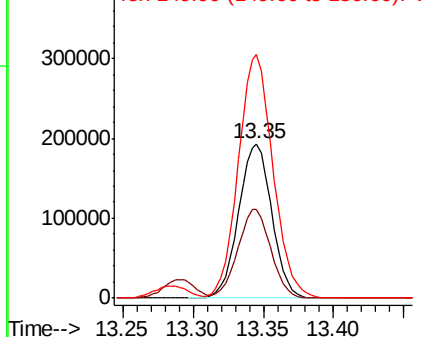


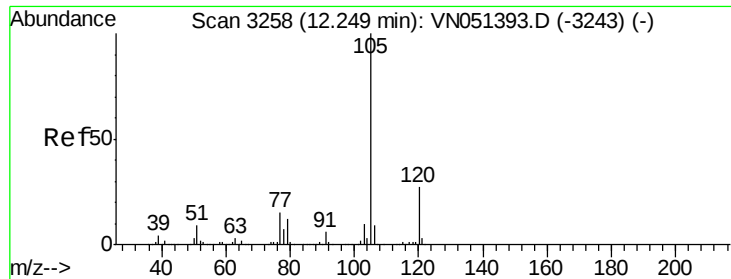
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.909 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD03

Tot Ion: 105 Resp: 561355

Ion Ratio Lower Upper

105 100

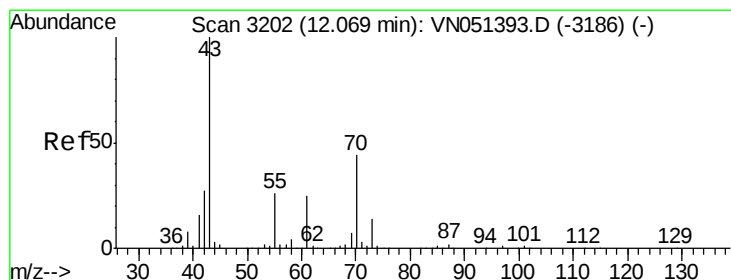
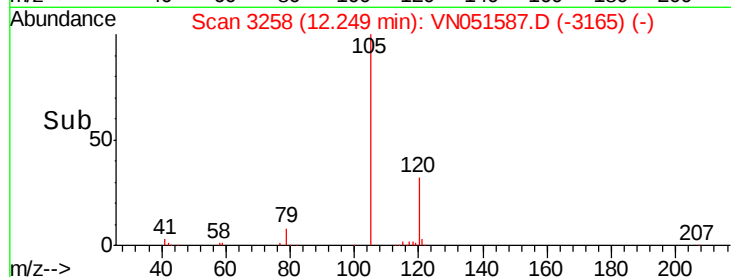
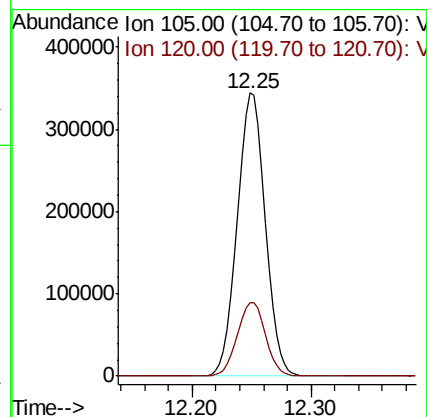
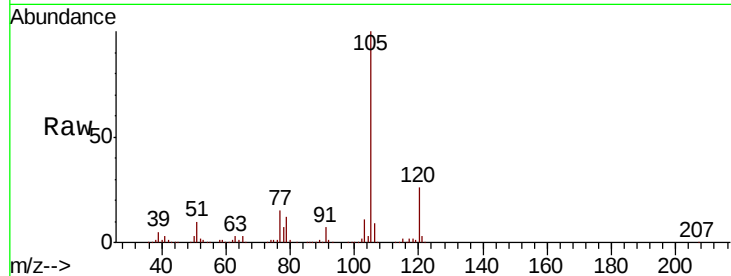
120 26.3 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.209 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Tgt Ion: 43 Resp: 149599

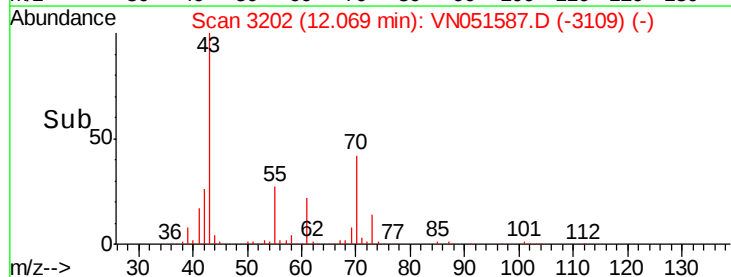
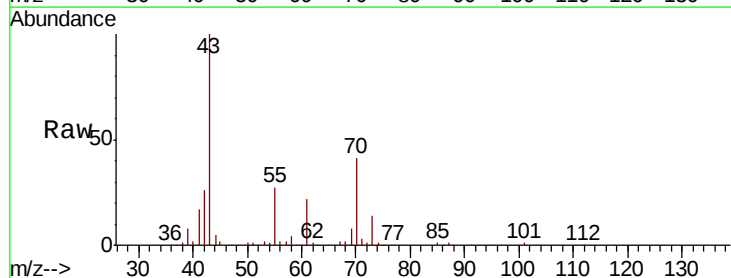
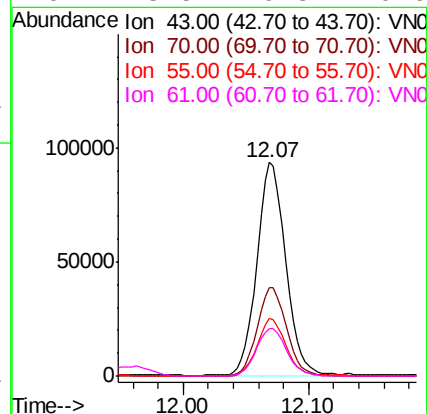
Ion Ratio Lower Upper

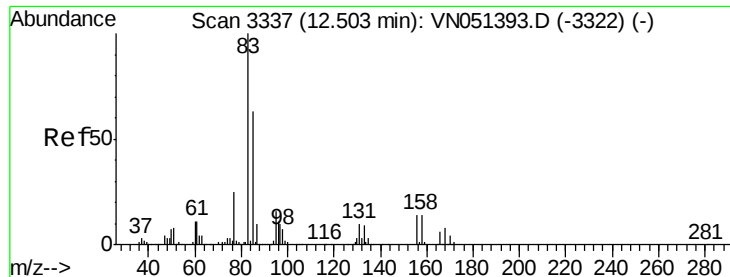
43 100

70 42.3 35.0 52.4

55 26.8 21.4 32.2

61 23.5 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.350 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

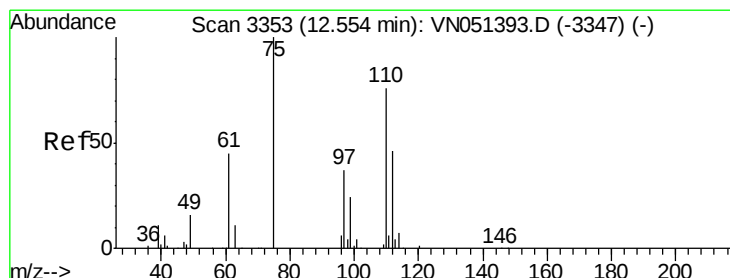
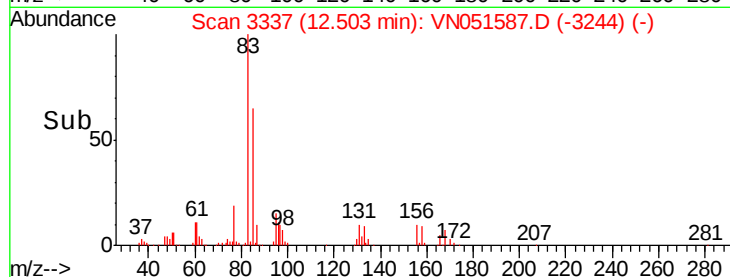
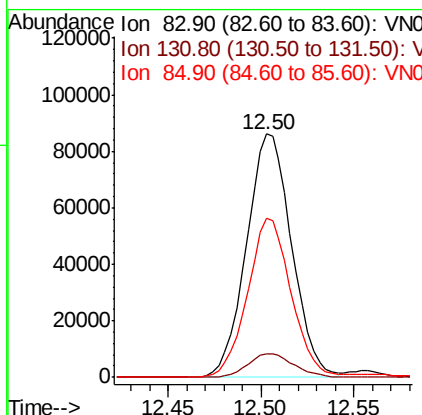
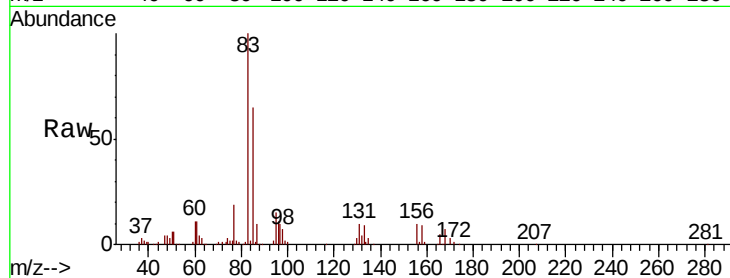
ClientSampleId :

VN0927WBSD03

Tot Ion:	83	Resp:	146181
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.3	15.9
85	63.1	31.6	95.0

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#76

1,2,3-Trichloropropane

Concen: 24.902 ug/l m

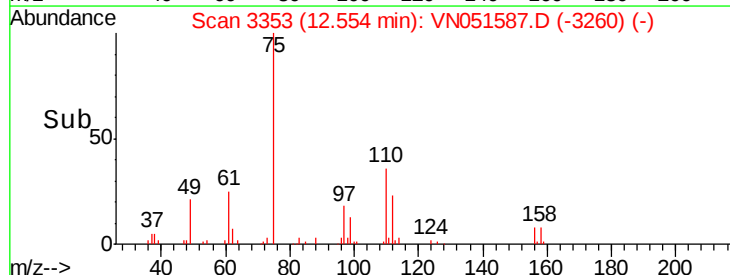
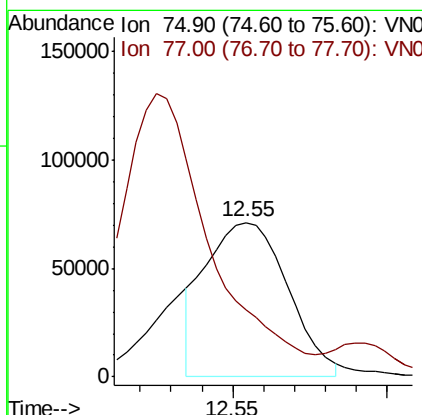
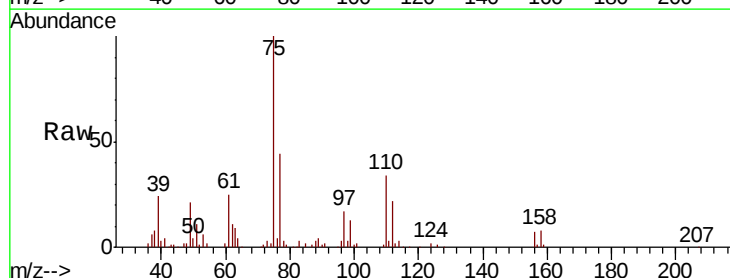
RT: 12.55 min Scan# 3353

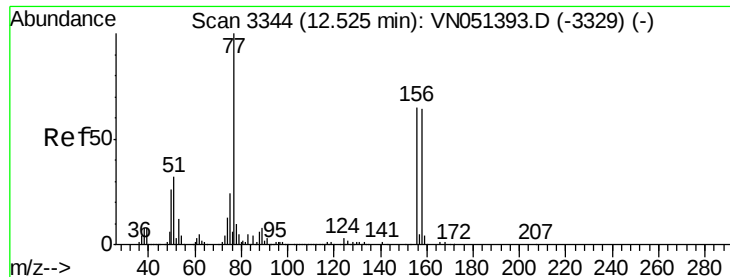
Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Tgt Ion:	75	Resp:	131538
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.296 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

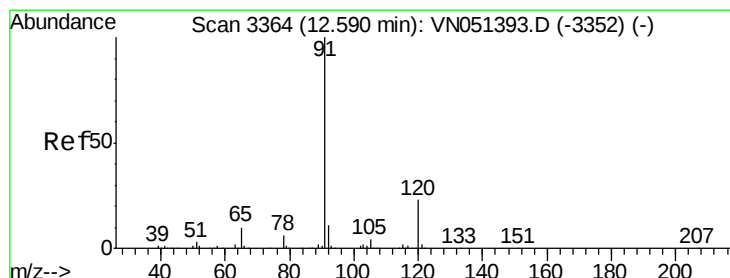
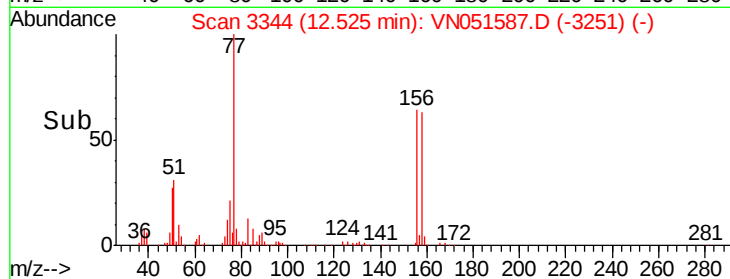
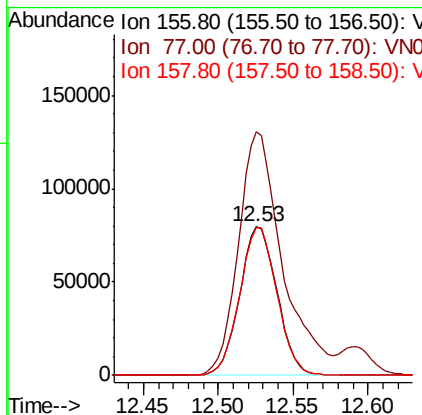
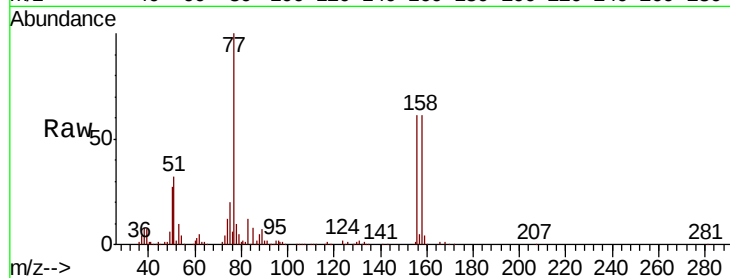
ClientSampleId :

VN0927WBSD03

Tot Ion:	156	Resp:	137937
Ion Ratio	Lower	Upper	
156	100		
77	194.2	89.5	268.4
158	99.6	49.4	148.2

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#78

n-propylbenzene

Concen: 21.319 ug/l

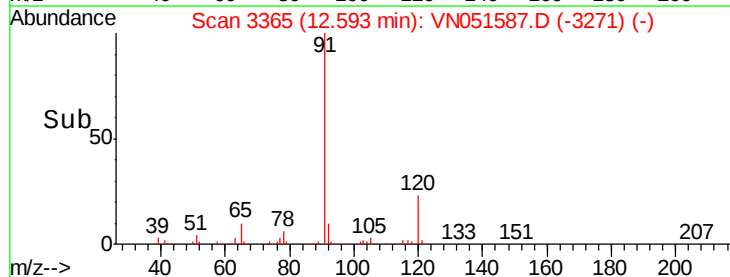
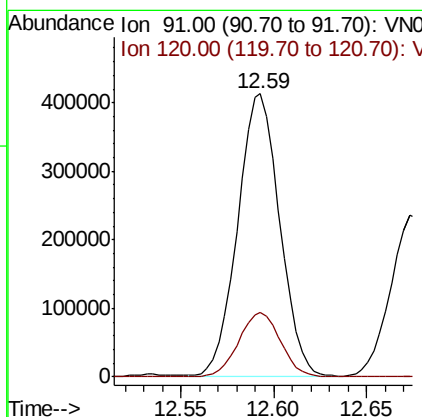
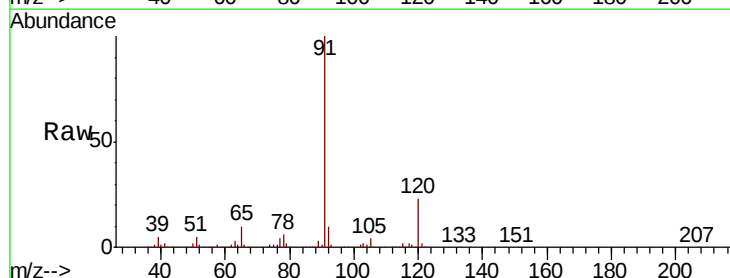
RT: 12.59 min Scan# 3365

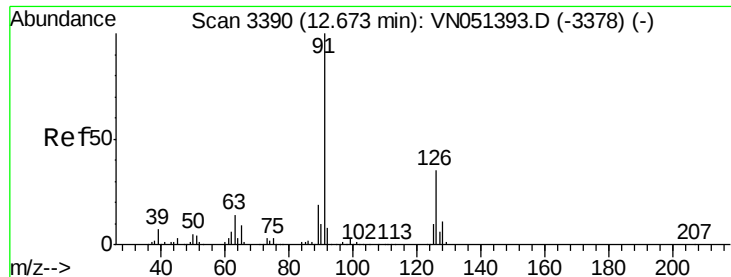
Delta R.T. 0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Tgt Ion:	91	Resp:	645068
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.9	35.5





#79

2-Chlorotoluene

Concen: 21.490 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampled :

VN0927WBSD03

Tot Ion: 91 Resp: 389221

Ion Ratio Lower Upper

91 100

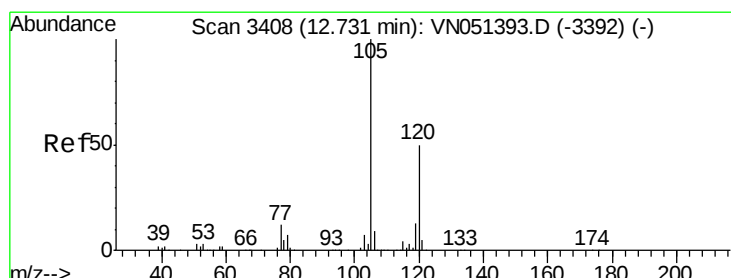
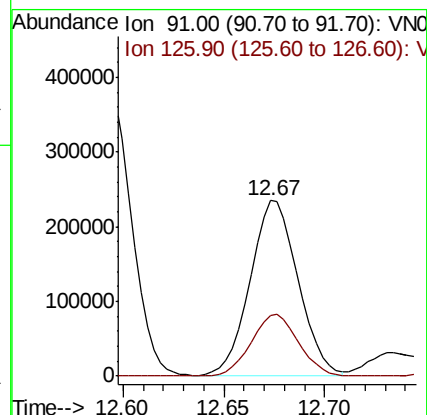
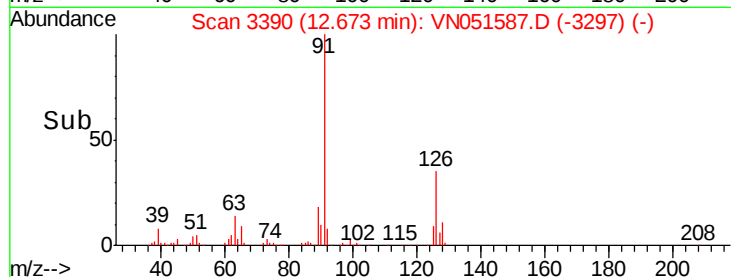
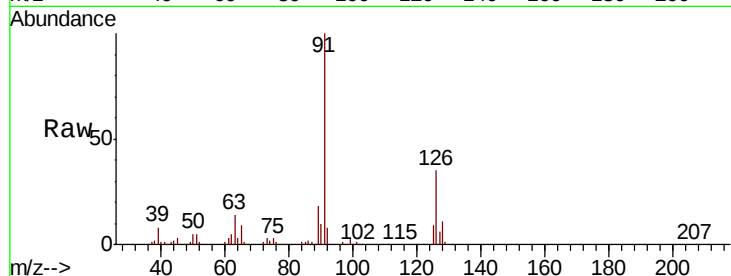
126 35.2 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.591 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051587.D

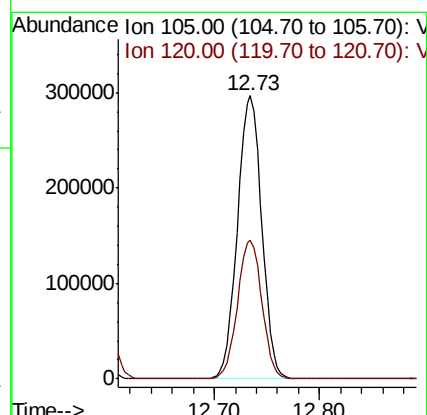
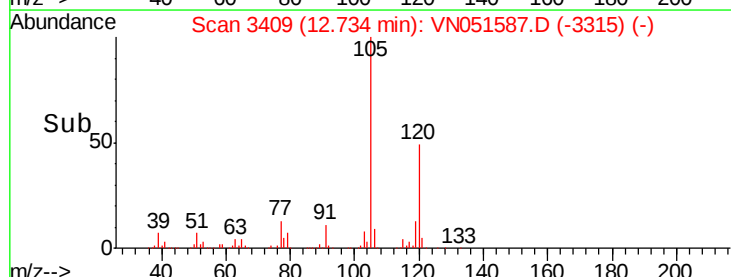
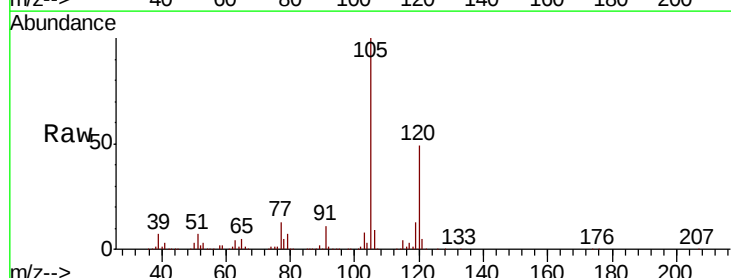
Acq: 27 Sep 2018 17:15

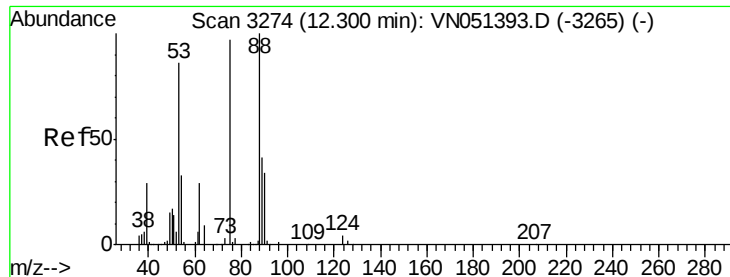
Tgt Ion:105 Resp: 472653

Ion Ratio Lower Upper

105 100

120 49.3 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.284 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

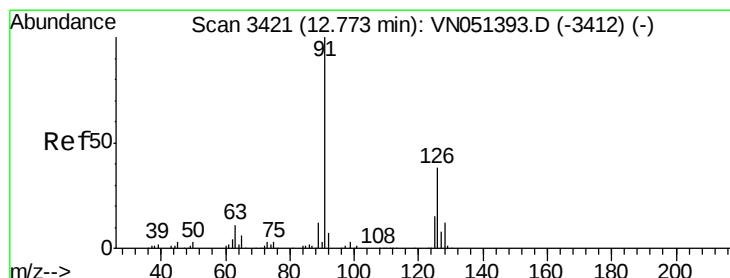
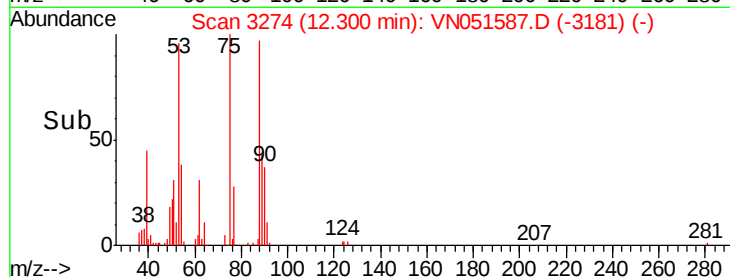
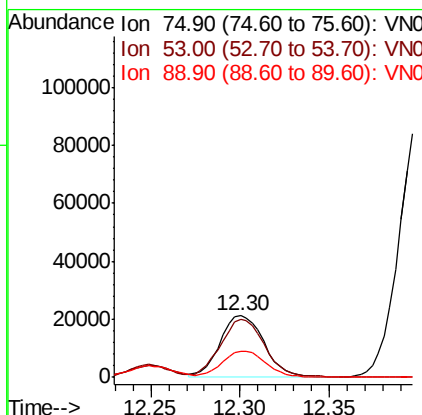
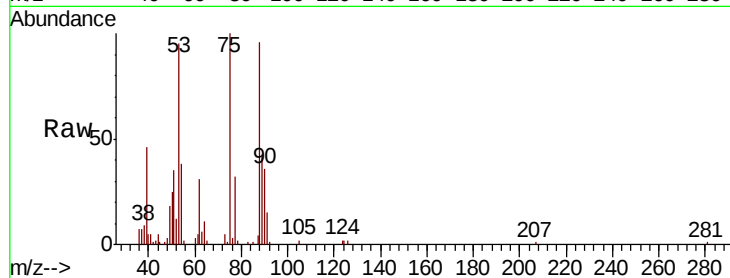
ClientSampleId :

VN0927WBSD03

Tot Ion:	75	Resp:	36562
Ion	Ratio	Lower	Upper
75	100		
53	95.0	73.9	110.9
89	42.3	36.7	55.1

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#82

4-Chlorotoluene

Concen: 21.072 ug/l

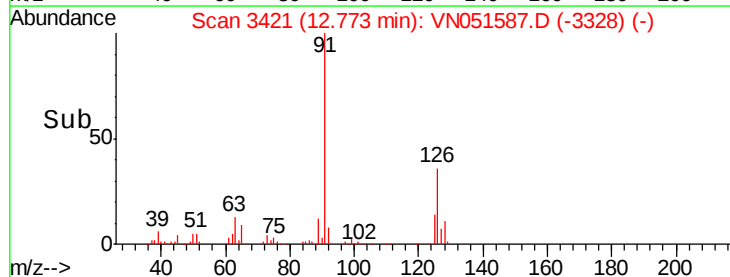
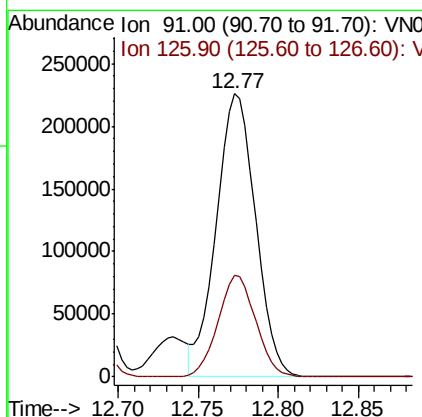
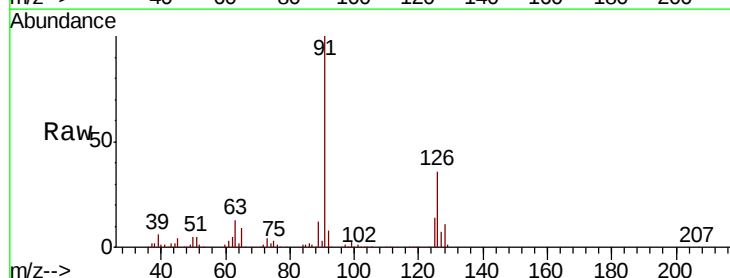
RT: 12.77 min Scan# 3421

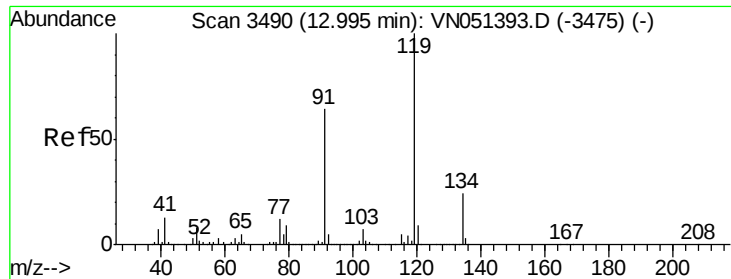
Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Tgt Ion:	91	Resp:	380919
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.5	52.5





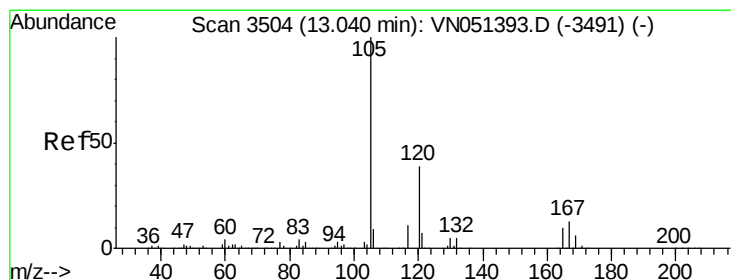
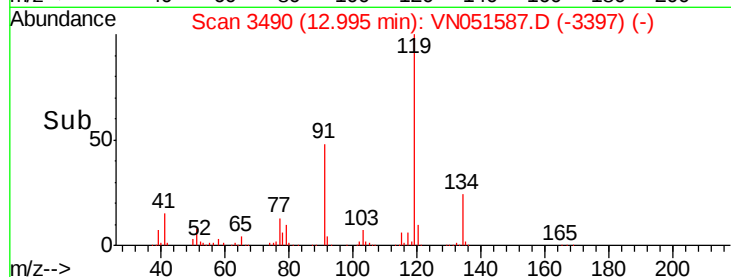
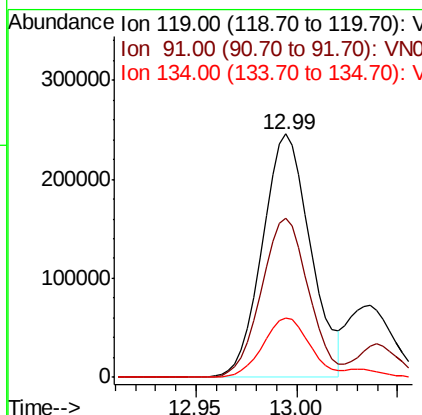
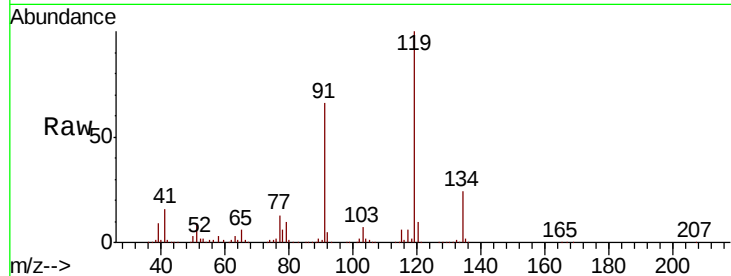
#83
tert-Butylbenzene
Concen: 20.963 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	31.7	95.1
134	24.0	12.3	36.9

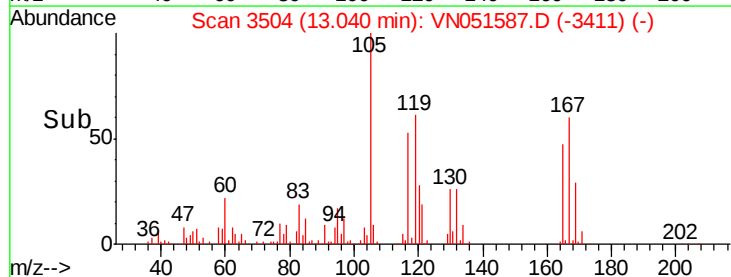
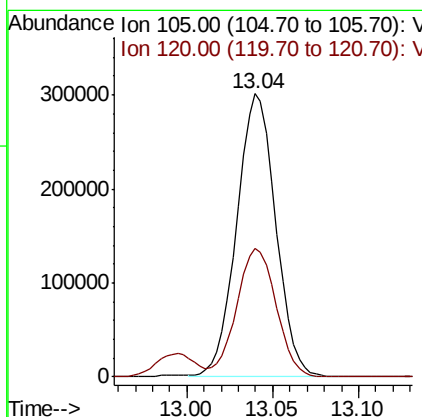
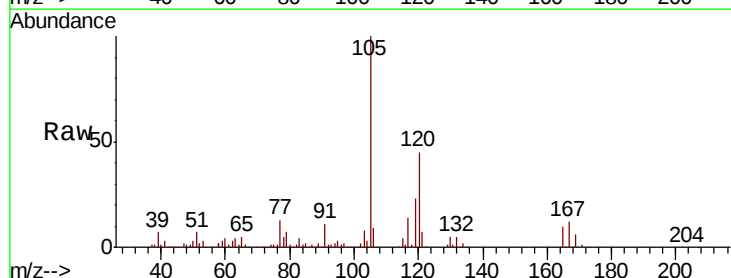
Manual Integrations
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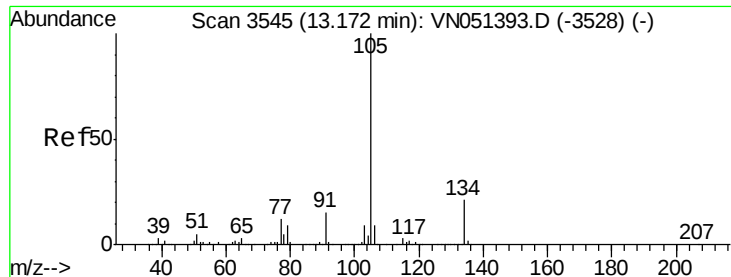
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#84
1,2,4-Trimethylbenzene
Concen: 21.430 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.7





#85

sec-Butylbenzene

Concen: 21.200 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD03

Tot Ion:105 Resp: 558827

Ion Ratio Lower Upper

105 100

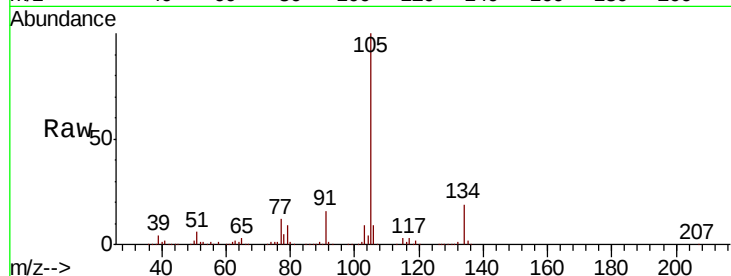
134 19.9 10.4 31.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

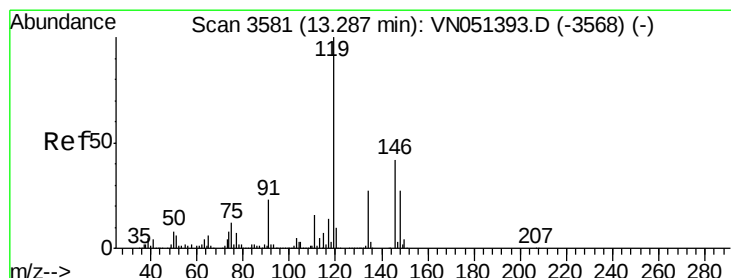
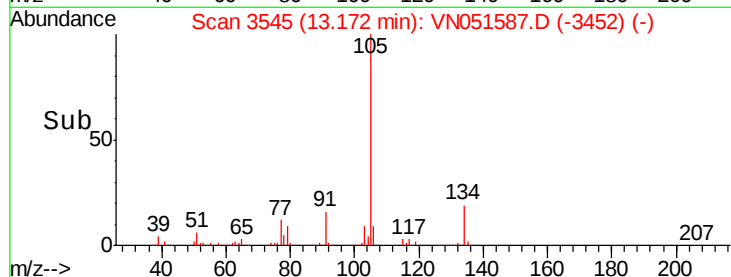
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.671 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

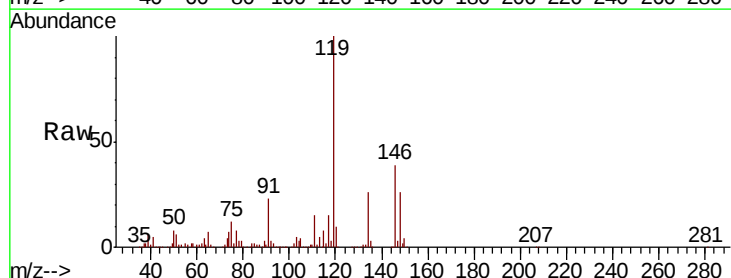
Tgt Ion:119 Resp: 471479

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 23.0 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

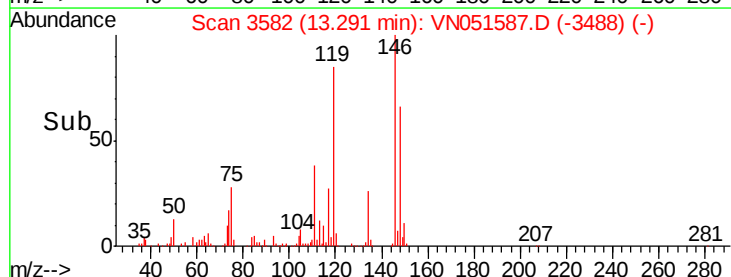
300000

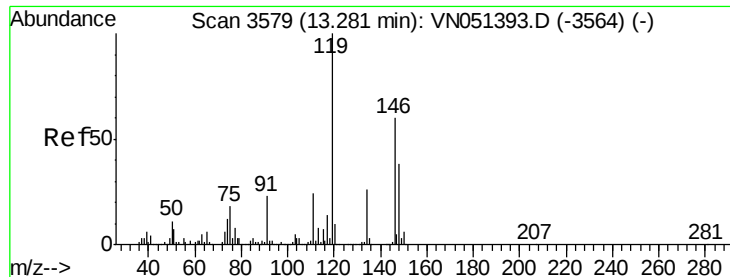
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.492 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Instrument :

MSVOA_N

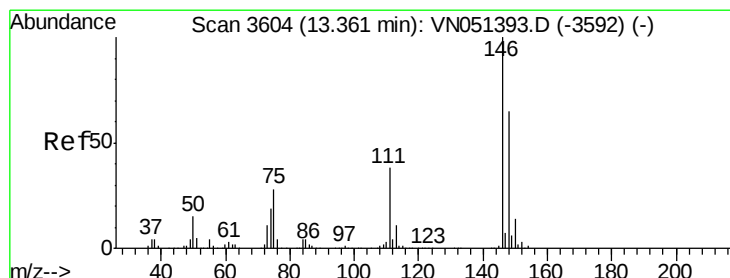
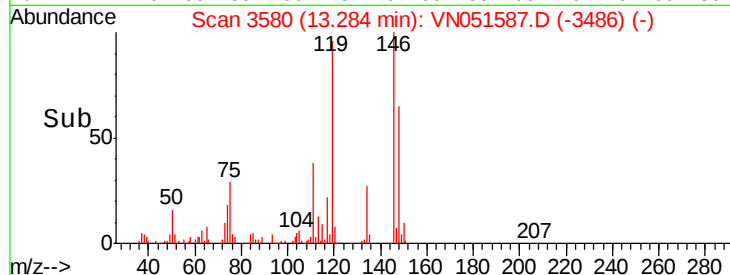
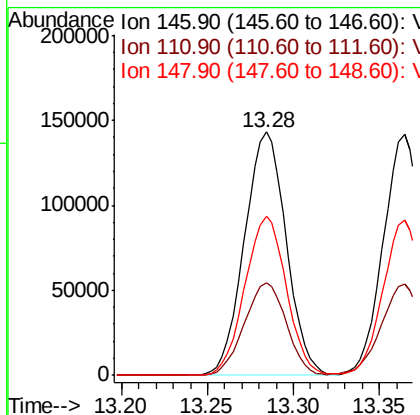
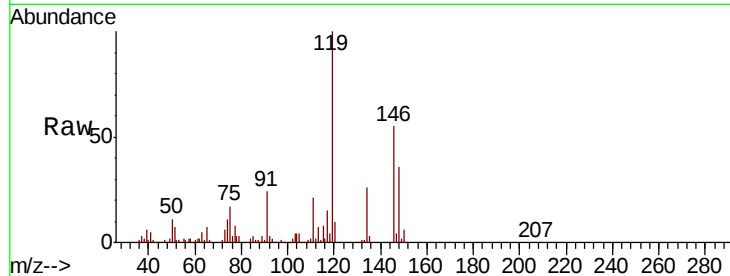
ClientSampleId :

VN0927WBSD03

Tot Ion:	146	Resp:	241013
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.7	59.1
148	64.8	31.9	95.7

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#88

1,4-Dichlorobenzene

Concen: 20.305 ug/l

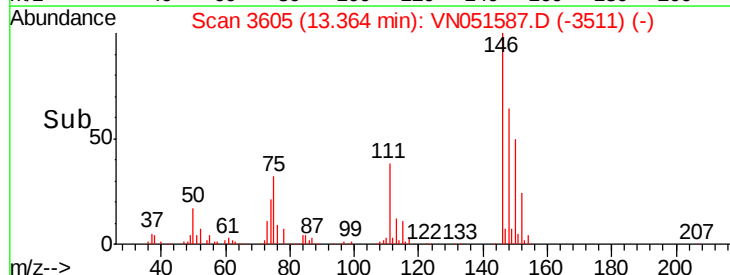
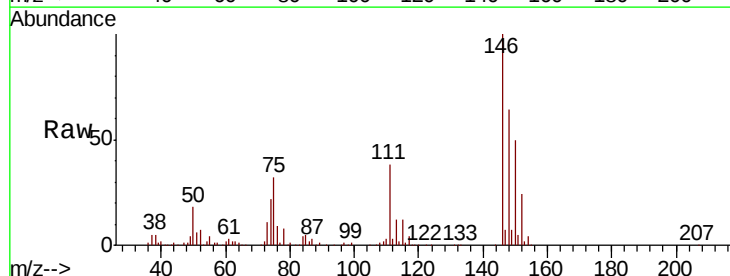
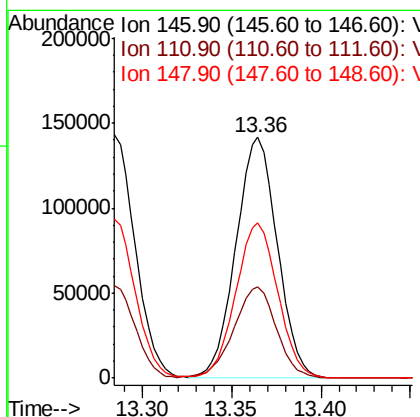
RT: 13.36 min Scan# 3605

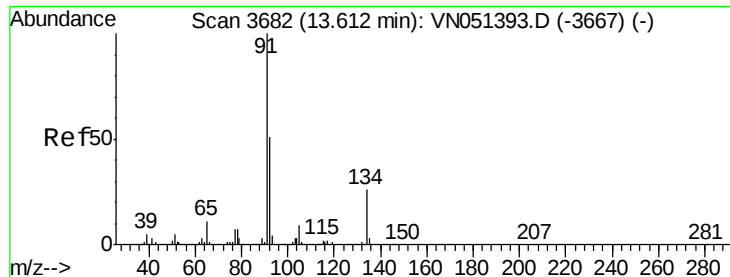
Delta R.T. 0.00 min

Lab File: VN051587.D

Acq: 27 Sep 2018 17:15

Tgt Ion:	146	Resp:	229780
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.1	57.1
148	65.6	32.5	97.5





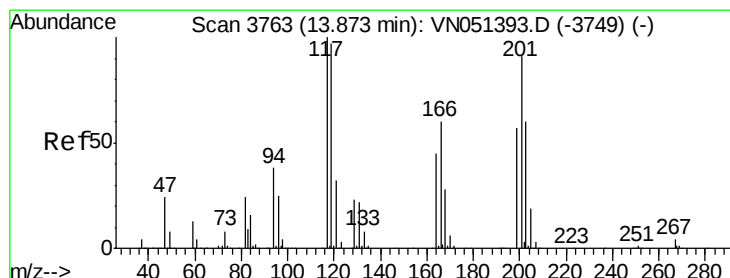
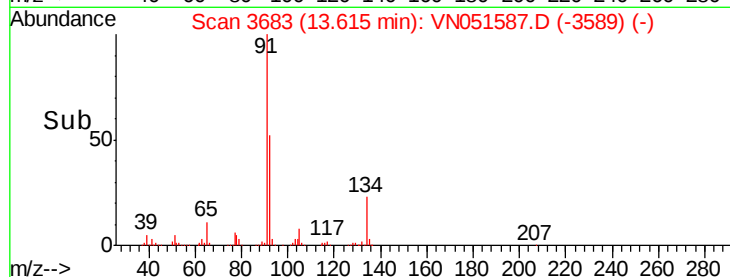
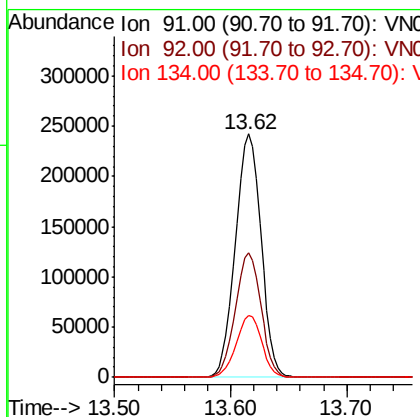
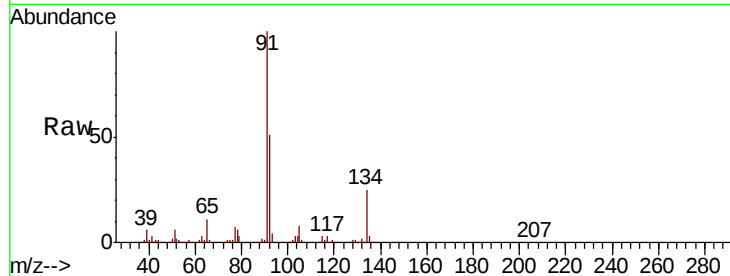
#89
n-Butylbenzene
Concen: 19.793 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.5	76.5
134	25.2	13.3	39.8

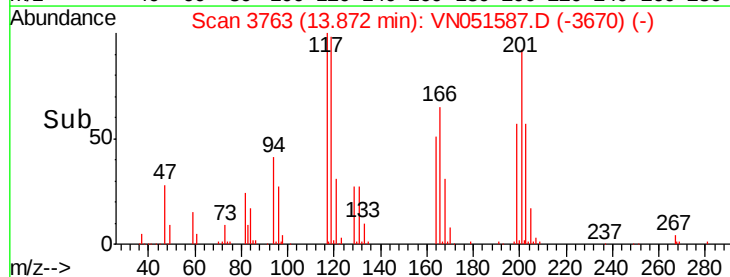
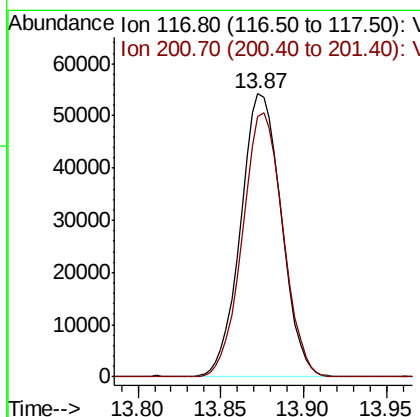
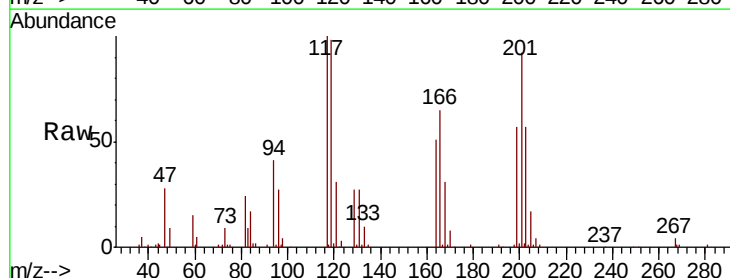
Manual Integrations
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#90
Hexachloroethane
Concen: 20.454 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.7	45.5	136.4





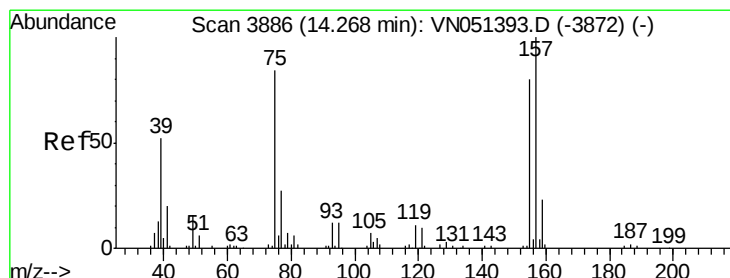
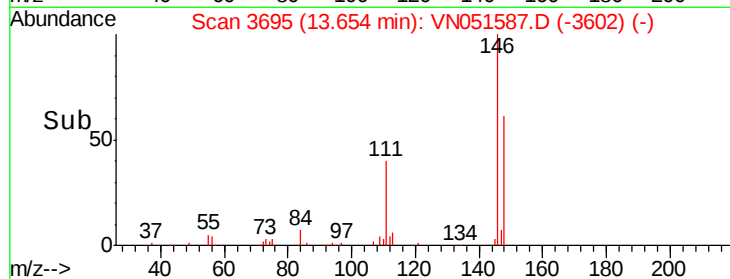
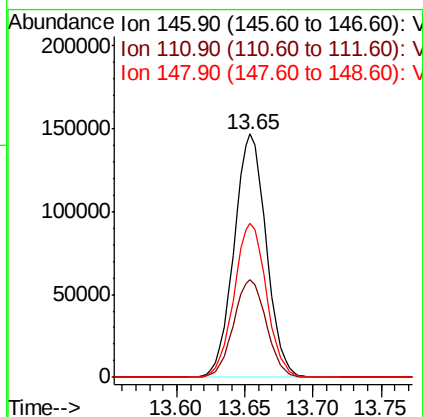
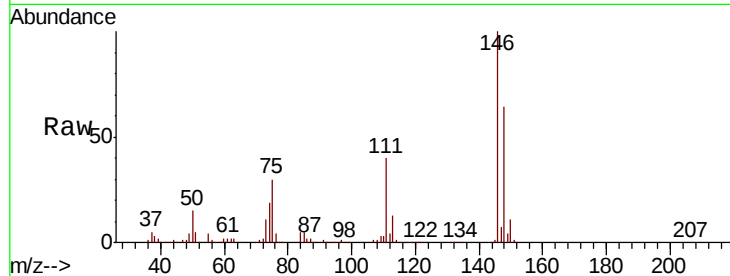
#91
 1,2-Dichlorobenzene
 Concen: 21.029 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051587.D
 Acq: 27 Sep 2018 17:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD03

Tot Ion:	146	Resp:	239970
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.0	60.0
148	63.6	32.1	96.5

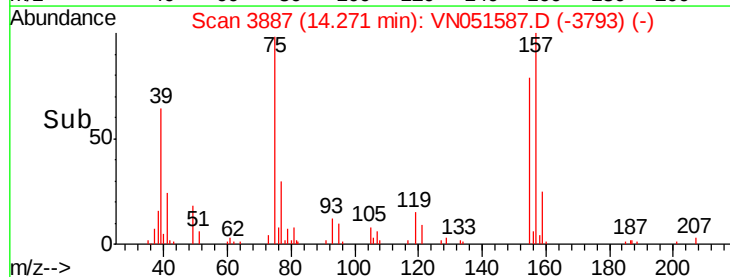
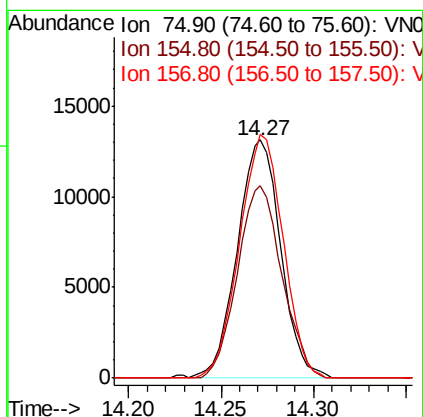
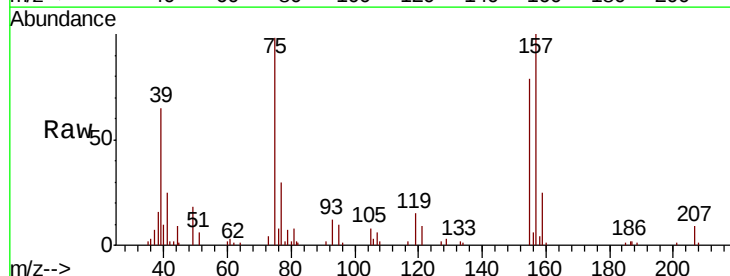
Manual Integrations
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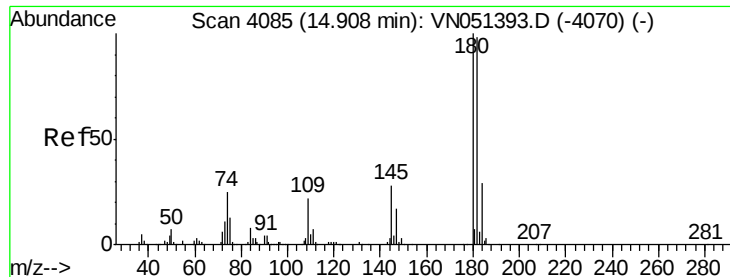
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 9/28/2018 5:08:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.919 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051587.D
 Acq: 27 Sep 2018 17:15

Tgt Ion:	75	Resp:	21370
Ion Ratio	Lower	Upper	
75	100		
155	82.8	46.9	140.6
157	103.1	58.4	175.1





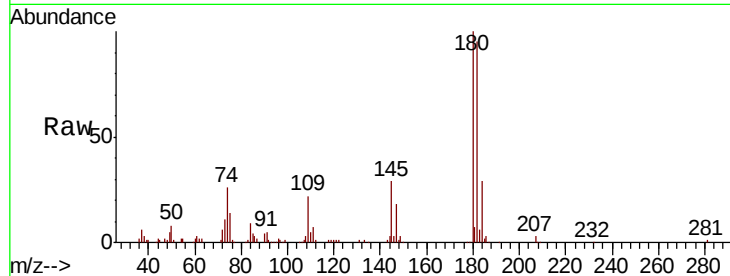
#93
 1,2,4-Trichlorobenzene
 Concen: 19.905 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051587.D
 Acq: 27 Sep 2018 17:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	97297		
182	95.6	48.5	145.6	
145	29.1	14.1	42.4	

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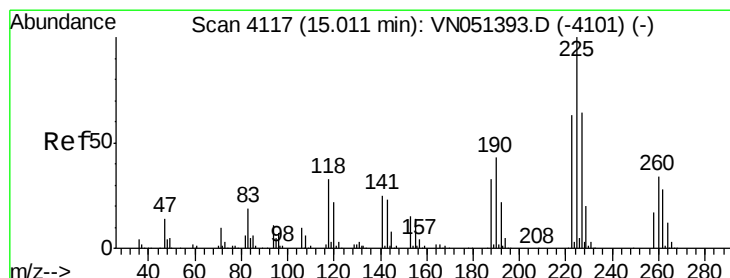
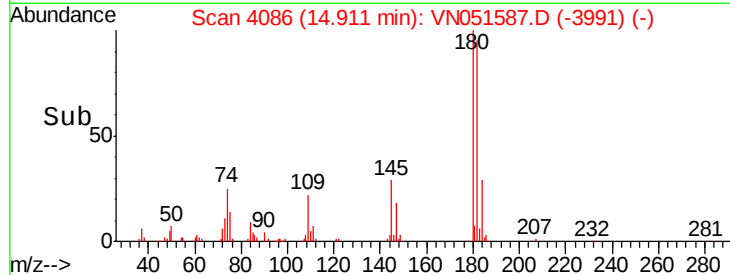
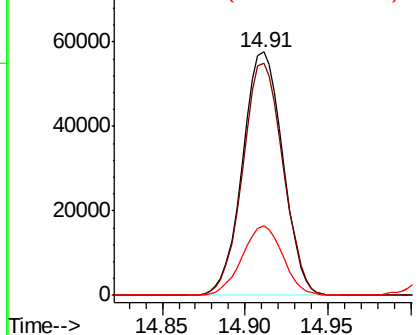


Abundance

Ion 179.80 (179.50 to 180.50): V

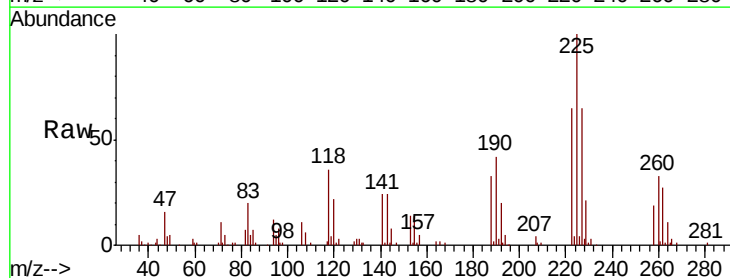
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.019 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051587.D
 Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	86434		
223	63.2	31.9	95.9	
227	64.7	32.5	97.5	

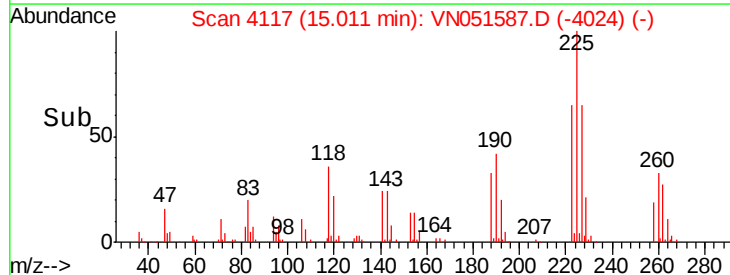
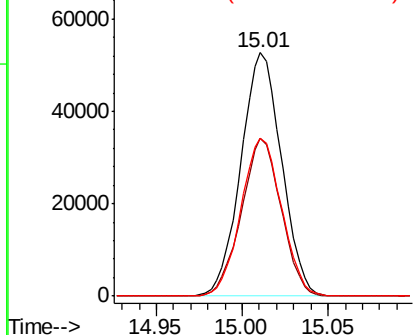


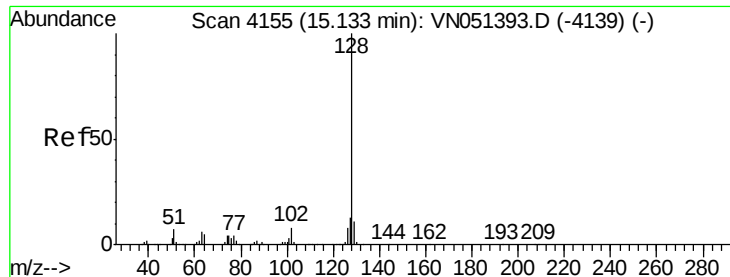
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





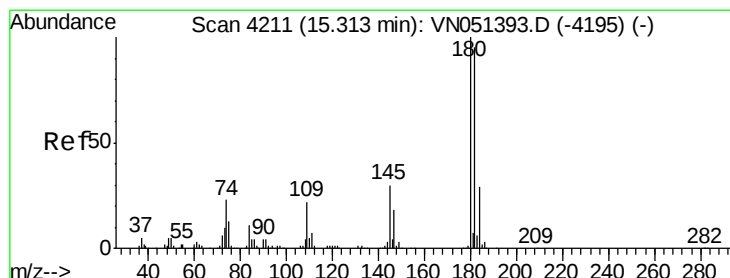
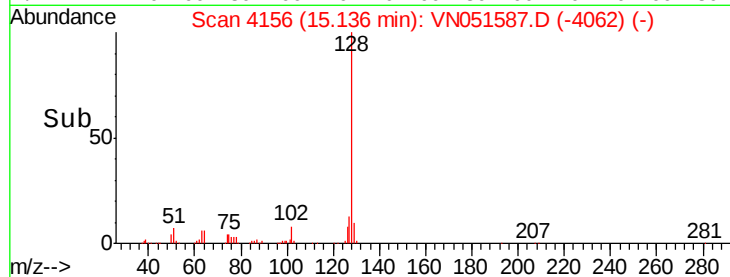
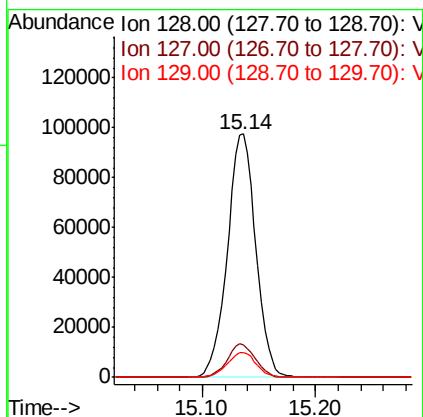
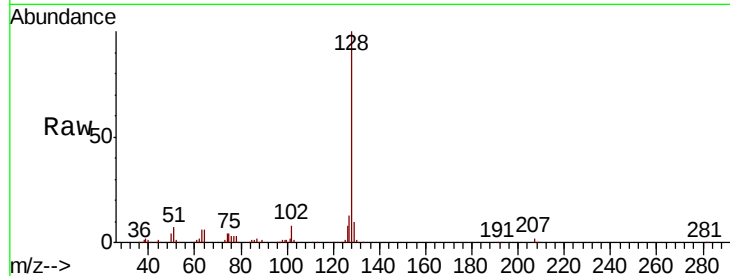
#95
Naphthalene
Concen: 20.123 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
128	100	170302		
127	13.5		10.5	15.7
129	10.5		8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 18.300 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051587.D
Acq: 27 Sep 2018 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	100218		
182	94.2		47.2	141.6
145	31.7		14.6	43.8

