

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\
 Data File : VN051323.D
 Acq On : 19 Sep 2018 16:53
 Operator : MD\SY
 Sample : VN0919WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/20/2018 1:42:09 PM

Quant Time: Sep 20 02:14:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	515932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	716293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	637115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295232	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	279508	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
35) Dibromofluoromethane	7.59	113	276032	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	10.09	98	1018942	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.40	95	311584	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	95060	19.00	ug/l	98
3) Chloromethane	2.06	50	123533	18.75	ug/l	98
4) Vinyl Chloride	2.18	62	124100	18.37	ug/l	99
5) Bromomethane	2.57	94	73421	18.73	ug/l	98
6) Chloroethane	2.70	64	75871	18.83	ug/l	99
7) Trichlorofluoromethane	3.01	101	174490	18.85	ug/l	99
8) Diethyl Ether	3.41	74	58558	19.33	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	107015	18.50	ug/l	100
10) Methyl Iodide	3.95	142	93676	20.23	ug/l	99
11) Tert butyl alcohol	4.79	59	30893	100.05	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	98008	18.76	ug/l	95
13) Acrolein	3.61	56	33878	79.50	ug/l	99
14) Allyl chloride	4.33	41	138969	18.02	ug/l	98
15) Acrylonitrile	4.99	53	161284	99.84	ug/l	99
16) Acetone	3.82	43	110463	83.48	ug/l	98
17) Carbon Disulfide	4.05	76	282561	17.53	ug/l	99
18) Methyl Acetate	4.33	43	79964	20.54	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	249950	19.96	ug/l	100
20) Methylene Chloride	4.56	84	113472	18.49	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	104866	18.31	ug/l	97
22) Diisopropyl ether	5.96	45	301160	20.16	ug/l	96
23) Vinyl Acetate	5.90	43	950520	98.21	ug/l	100
24) 1,1-Dichloroethane	5.85	63	191943	19.22	ug/l	99
25) 2-Butanone	6.84	43	166507	92.70	ug/l	98
26) 2,2-Dichloropropane	6.83	77	140183	17.26	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	116448	19.03	ug/l	97
28) Bromochloromethane	7.20	49	82702	18.80	ug/l	99
29) Tetrahydrofuran	7.22	42	112333	101.15	ug/l	98
30) Chloroform	7.37	83	195708	19.19	ug/l	99
31) Cyclohexane	7.66	56	161178	17.78	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	167802	19.17	ug/l	99
36) 1,1-Dichloropropene	7.80	75	142489	18.38	ug/l	99
37) Ethyl Acetate	6.93	43	72737	18.25	ug/l #	94
38) Carbon Tetrachloride	7.78	117	154414	19.10	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	151371	17.97	ug/l	98
40) Benzene	8.04	78	448882	19.46	ug/l	99
41) Methacrylonitrile	7.17	41	30219	14.77	ug/l #	72
42) 1,2-Dichloroethane	8.13	62	132563	19.54	ug/l	100
43) Isopropyl Acetate	8.17	43	144586	20.96	ug/l	100
44) Trichloroethene	8.84	130	122688	18.92	ug/l	99
45) 1,2-Dichloropropane	9.12	63	114941	19.65	ug/l	97
46) Dibromomethane	9.21	93	71457	20.06	ug/l	98
47) Bromodichloromethane	9.40	83	147433	19.41	ug/l	97
48) Methyl methacrylate	9.20	41	66546	20.03	ug/l	100
49) 1,4-Dioxane	9.20	88	20274	421.87	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	380397	106.89	ug/l	100
52) Toluene	10.16	92	279902	20.27	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	136053	19.07	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	163949	19.24	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	101335	20.52	ug/l	99
56) Ethyl methacrylate	10.43	69	112186	19.18	ug/l	98
57) 1,3-Dichloropropane	10.71	76	164853	20.49	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	242314	92.32	ug/l	100
59) 2-Hexanone	10.75	43	230763	98.48	ug/l	99
60) Dibromochloromethane	10.90	129	117714	20.26	ug/l	99
61) 1,2-Dibromoethane	11.01	107	96413	20.31	ug/l	96
64) Tetrachloroethene	10.63	164	115346	19.07	ug/l	98
65) Chlorobenzene	11.43	112	305275	19.37	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	117263	19.65	ug/l	99
67) Ethyl Benzene	11.51	91	484296	19.28	ug/l	98
68) m/p-Xylenes	11.62	106	389627	39.94	ug/l	100
69) o-Xylene	11.95	106	185957	20.00	ug/l	99
70) Styrene	11.96	104	289526	18.41	ug/l	100
71) Bromoform	12.13	173	80177	20.26	ug/l #	100
73) Isopropylbenzene	12.25	105	486125	19.52	ug/l	100
74) N-amyl acetate	12.07	43	95760	18.74	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	119660	21.47	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	99150m	23.06	ug/l	
77) Bromobenzene	12.53	156	127324	19.91	ug/l	99
78) n-propylbenzene	12.59	91	517675	19.28	ug/l	99
79) 2-Chlorotoluene	12.67	91	325909	19.09	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	400042	20.10	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	25568	19.23	ug/l	95
82) 4-Chlorotoluene	12.77	91	313572	19.31	ug/l	100
83) tert-Butylbenzene	12.99	119	346528	19.70	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	394041	20.38	ug/l	100
85) sec-Butylbenzene	13.17	105	441575	19.77	ug/l	100
86) p-Isopropyltoluene	13.29	119	379907	20.28	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	203336	18.49	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	194114	18.89	ug/l	98
89) n-Butylbenzene	13.62	91	250801	17.66	ug/l	99
90) Hexachloroethane	13.87	117	73042	19.47	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	202191	19.64	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14669	20.30	ug/l	99

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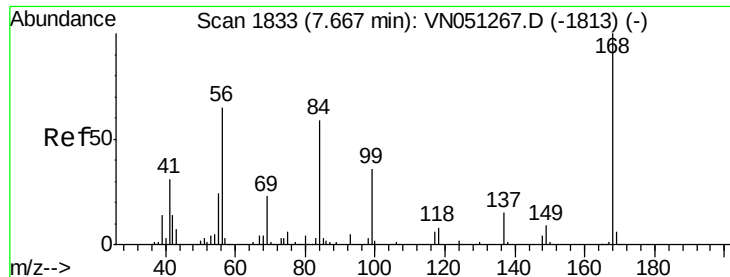
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	62752	16.37	ug/l	99
94) Hexachlorobutadiene	15.01	225	67650	19.18	ug/l	98
95) Naphthalene	15.13	128	111534	16.57	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	68522	17.28	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051323.D

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Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion:168 Resp: 515932

Ion Ratio Lower Upper

168 100

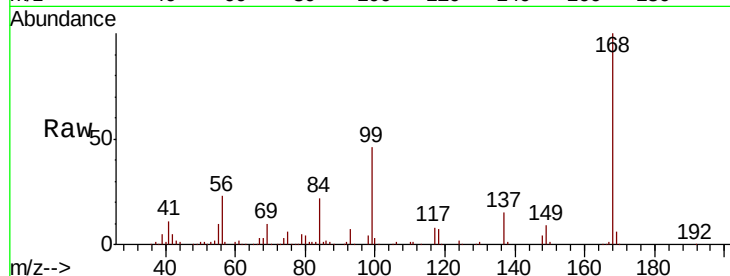
99 45.4 38.2 57.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

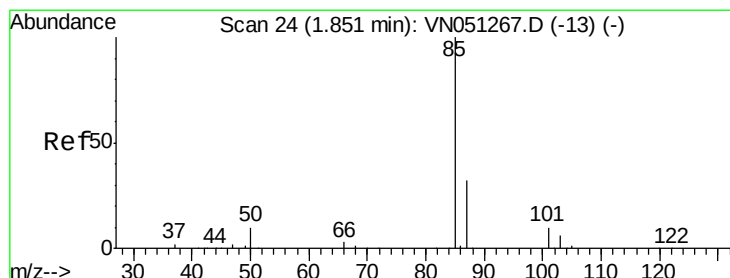
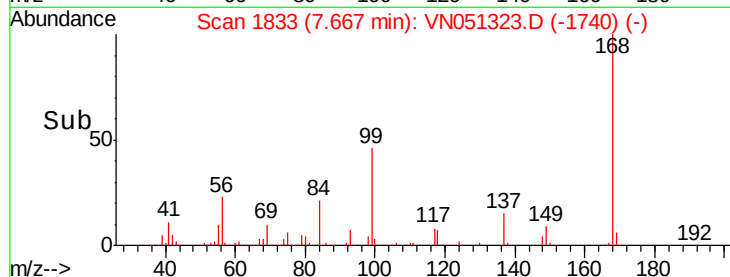
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.00 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051323.D

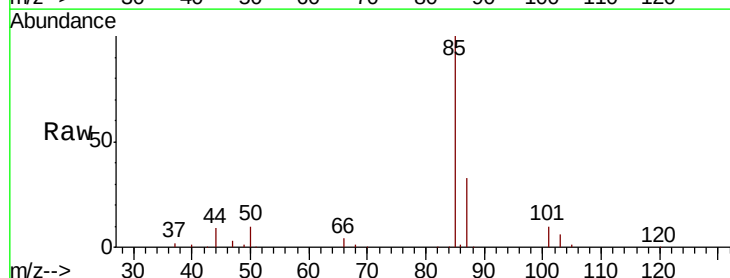
Acq: 19 Sep 2018 16:53

Tgt Ion: 85 Resp: 95060

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

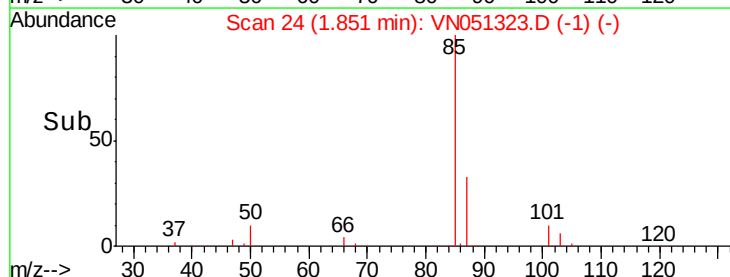
40000

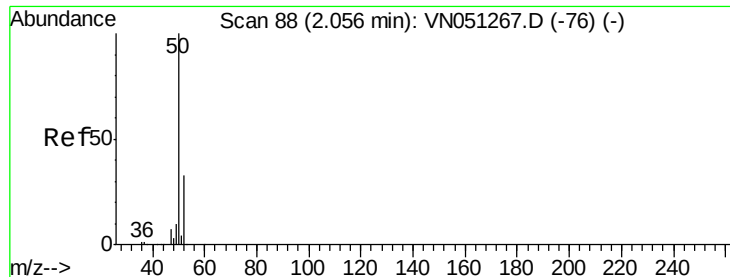
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.75 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion: 50 Resp: 123533

Ion Ratio Lower Upper

50 100

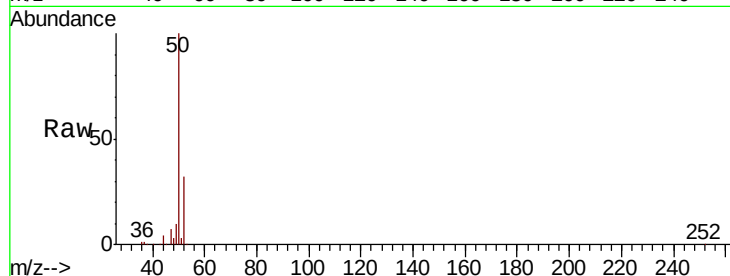
52 31.9 26.6 40.0

Manual Integrations

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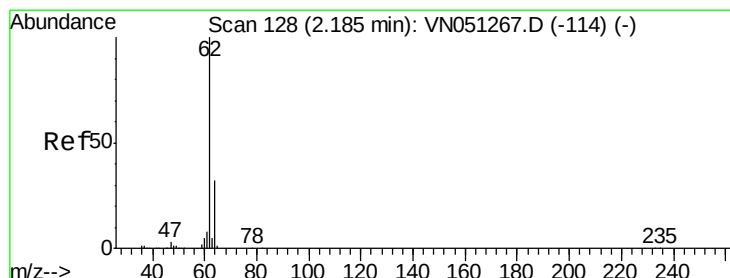
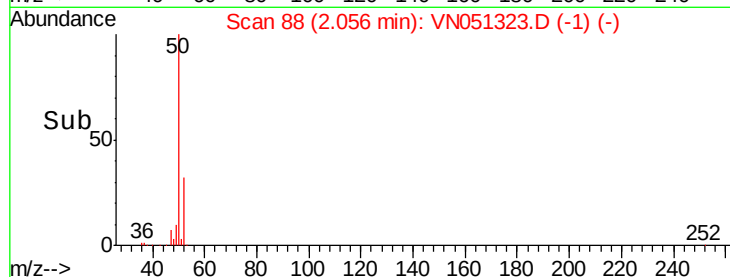
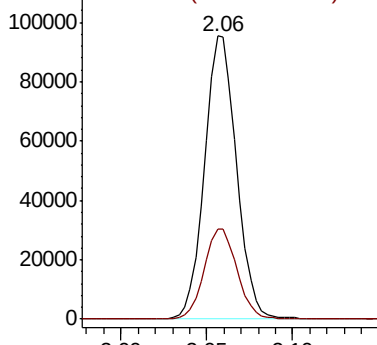
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.37 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051323.D

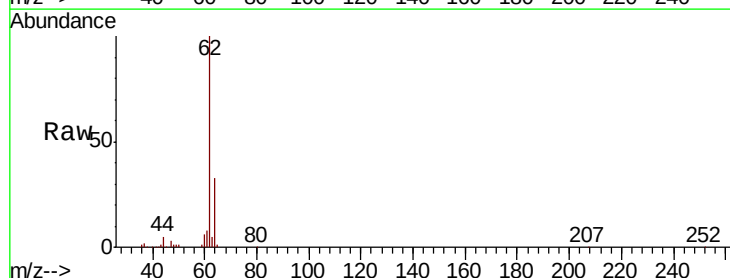
Acq: 19 Sep 2018 16:53

Tgt Ion: 62 Resp: 124100

Ion Ratio Lower Upper

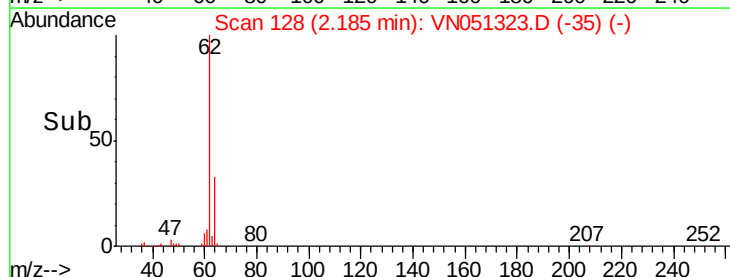
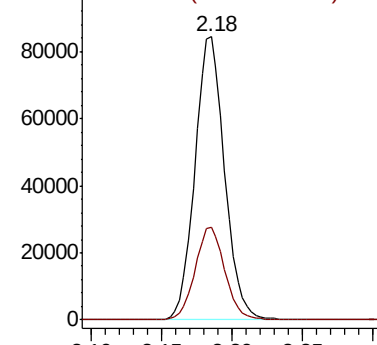
62 100

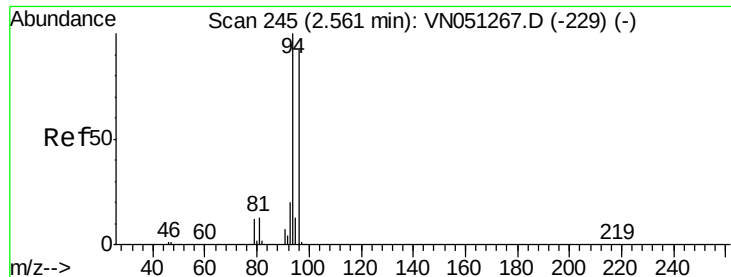
64 32.7 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.73 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

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Tot Ion: 94 Resp: 73421

Ion Ratio Lower Upper

94 100

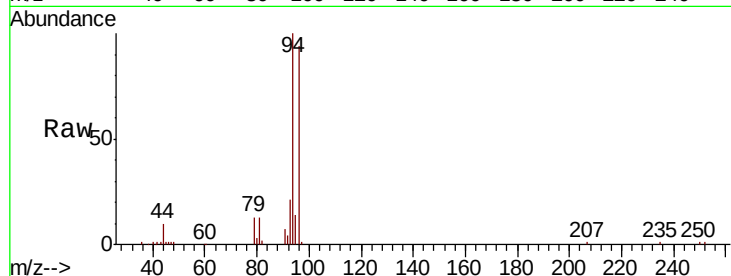
96 93.8 73.8 110.8

Manual Integrations

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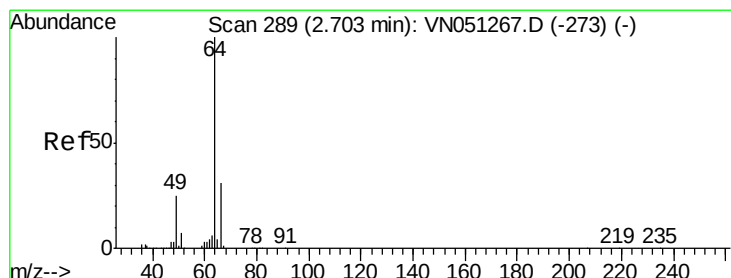
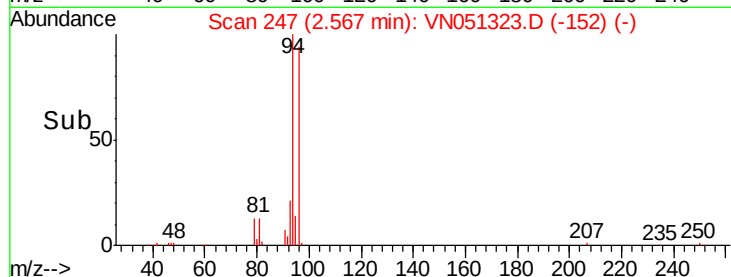
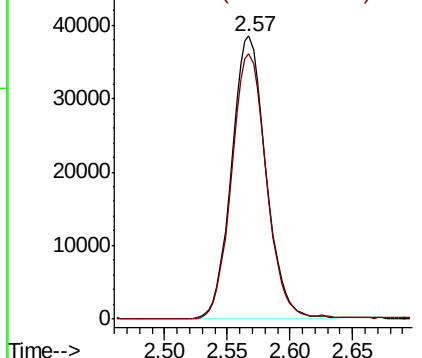
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.83 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051323.D

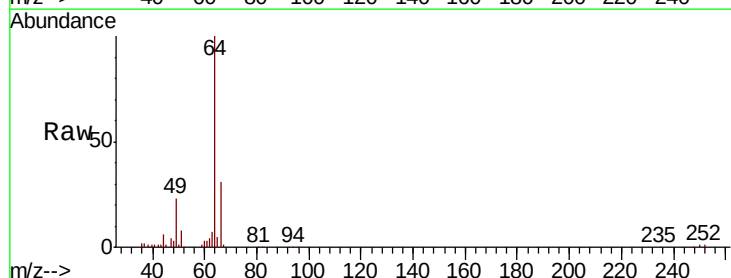
Acq: 19 Sep 2018 16:53

Tgt Ion: 64 Resp: 75871

Ion Ratio Lower Upper

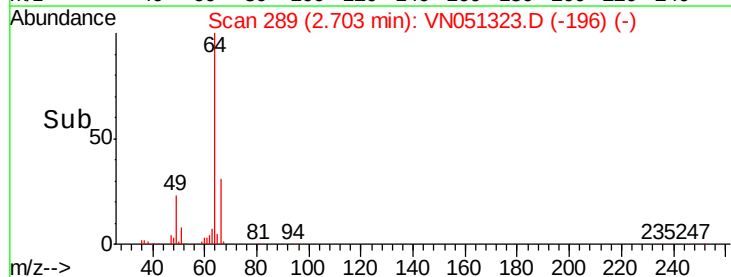
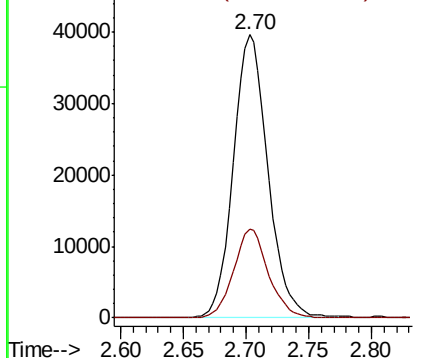
64 100

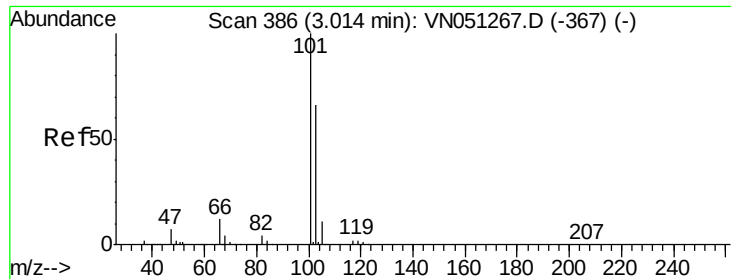
66 31.5 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

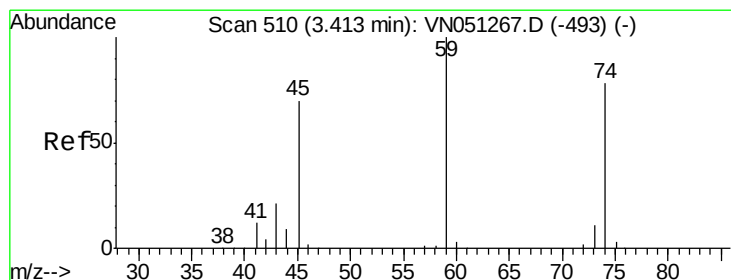
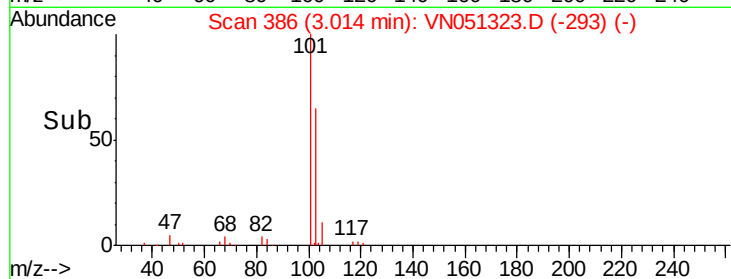
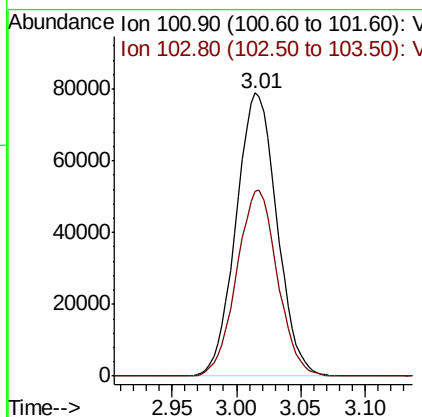
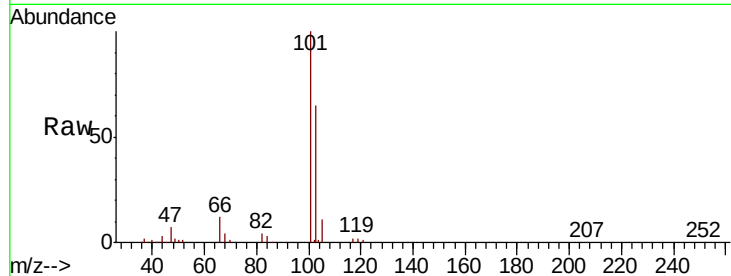
Trichlorofluoromethane
 Concen: 18.85 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

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 VN0919WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		174490		
103	65.4	52.7	79.1		

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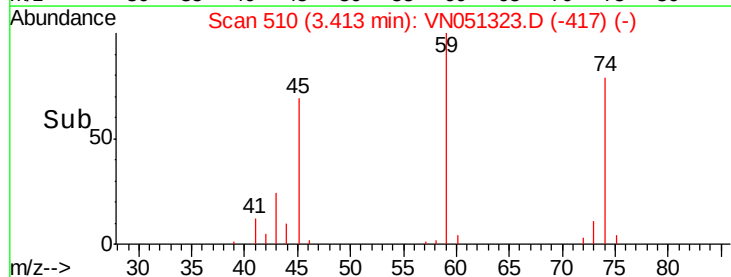
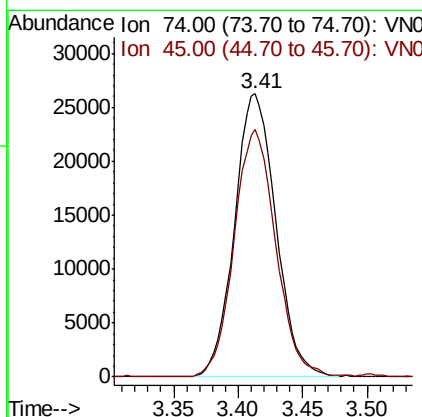
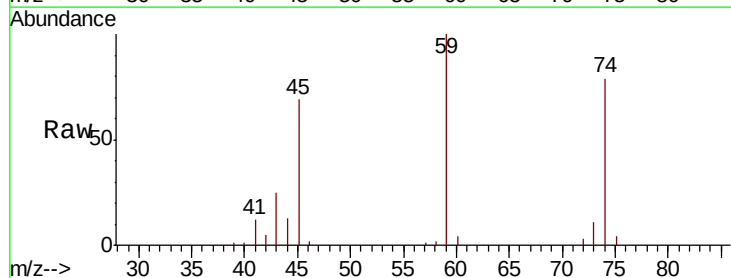
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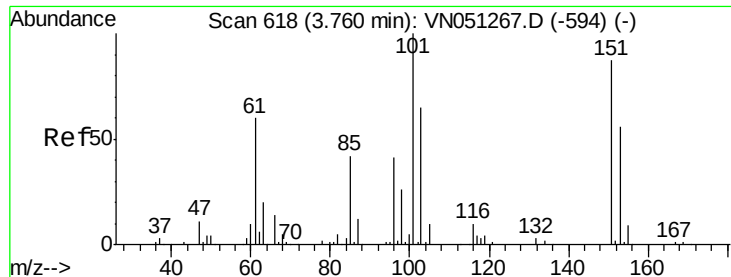


#8

Diethyl Ether
 Concen: 19.33 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		58558		
45	88.0	46.4	139.2		





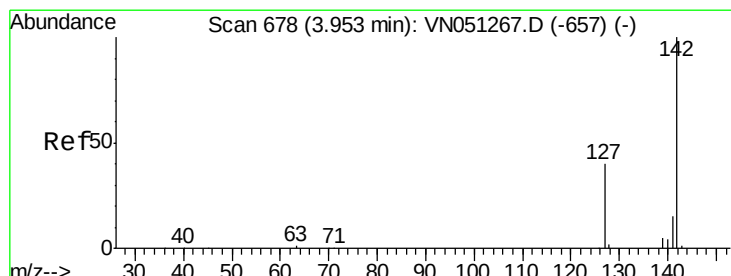
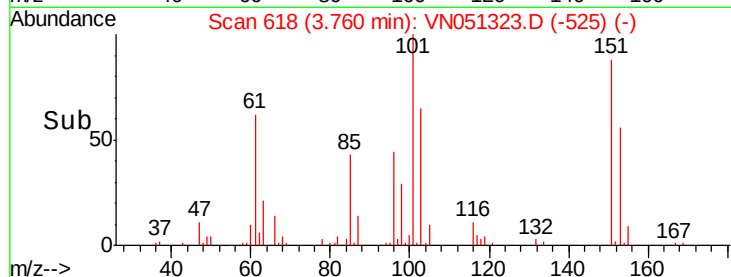
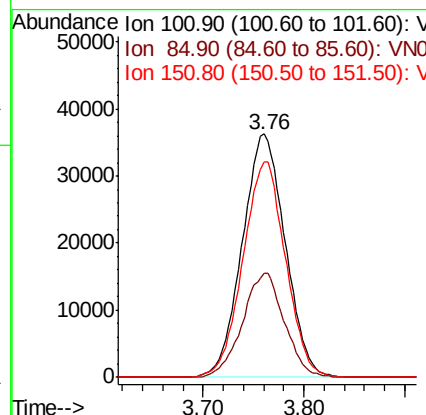
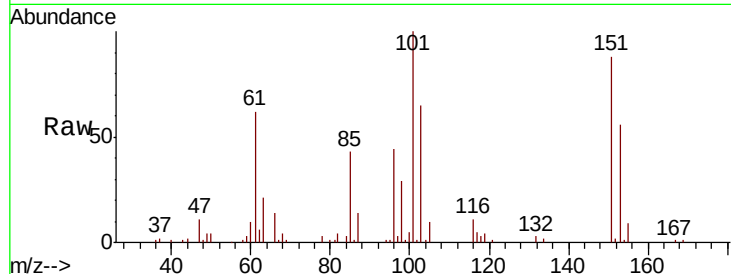
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.50 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	107015		
85	41.6		33.0	49.6
151	87.8		69.8	104.8

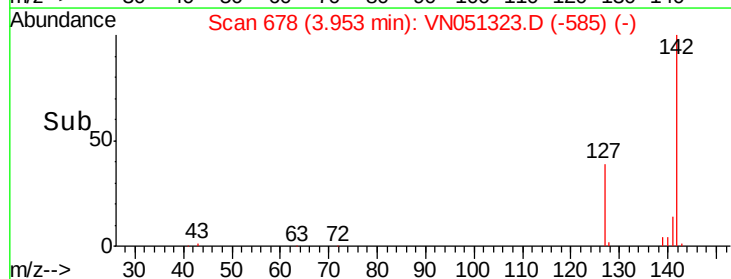
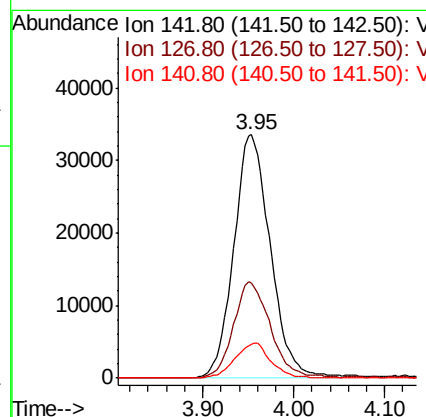
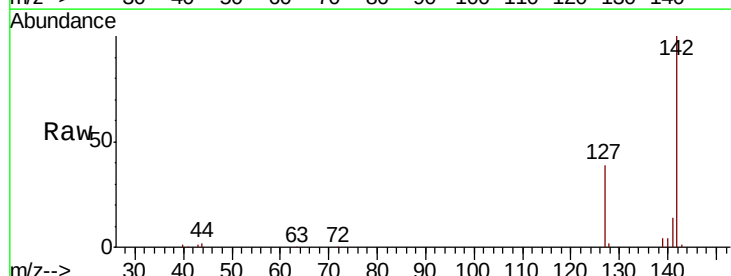
Manual Integrations
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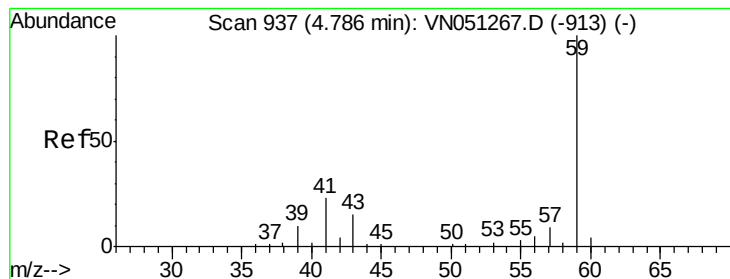
MMDadoda
 9/20/2018 1:42:09 PM



#10
 Methyl Iodide
 Concen: 20.23 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	93676		
127	40.0		31.7	47.5
141	13.9		11.6	17.4





#11

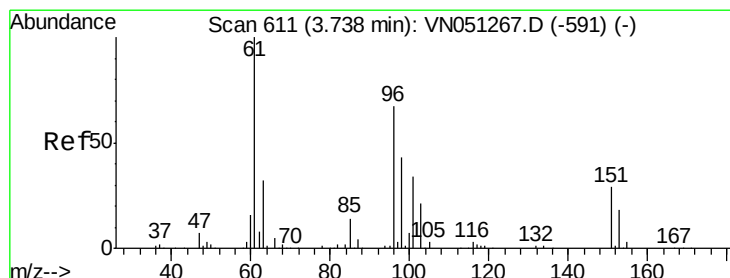
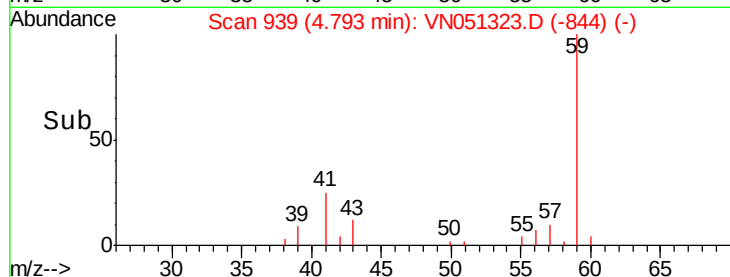
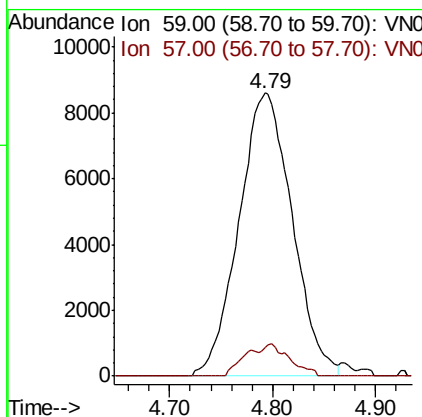
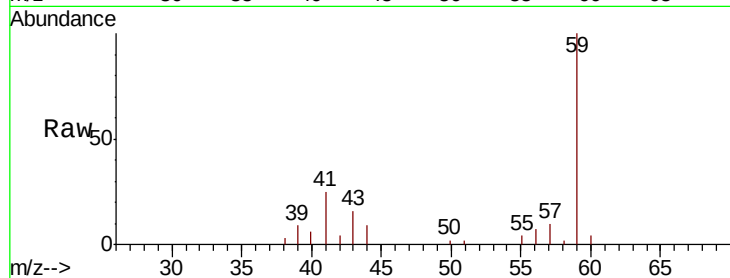
Tert butyl alcohol
 Concen: 100.05 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.3	7.9	11.9#

Manual Integrations
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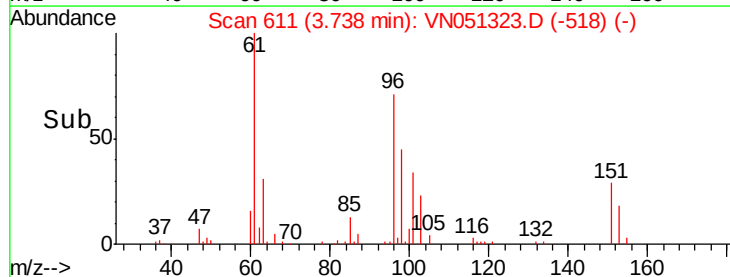
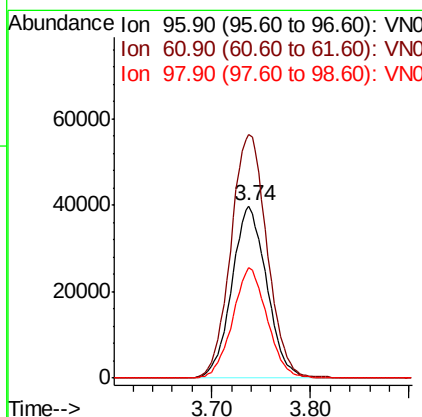
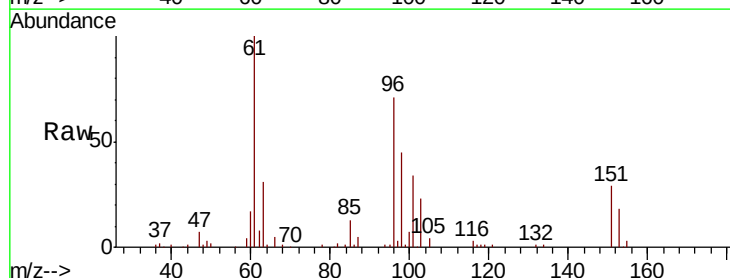
MMDadoda
 9/20/2018 1:42:09 PM

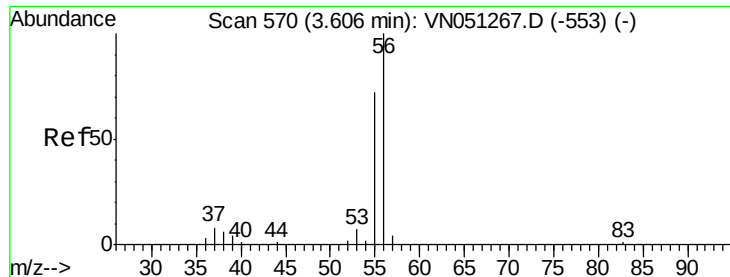


#12

1,1-Dichloroethene
 Concen: 18.76 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.3	119.3	178.9
98	63.9	51.8	77.6





#13

Acrolein

Concen: 79.50 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion: 56 Resp: 33878

Ion Ratio Lower Upper

56 100

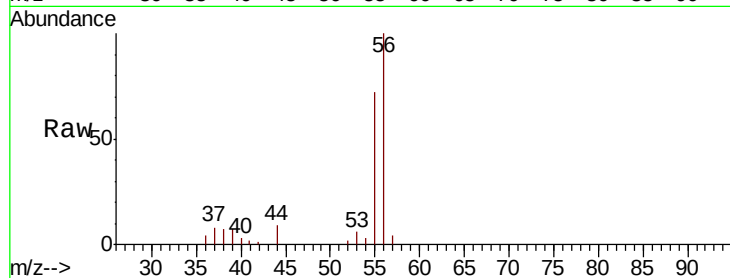
55 69.6 56.4 84.6

Manual Integrations

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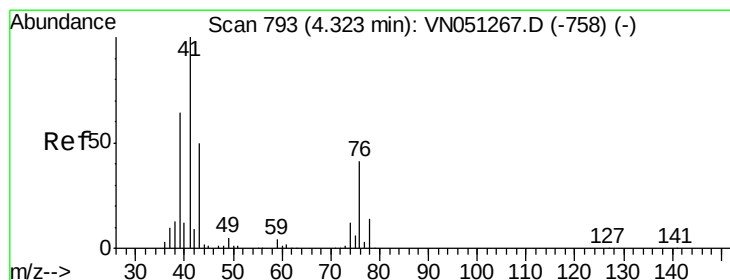
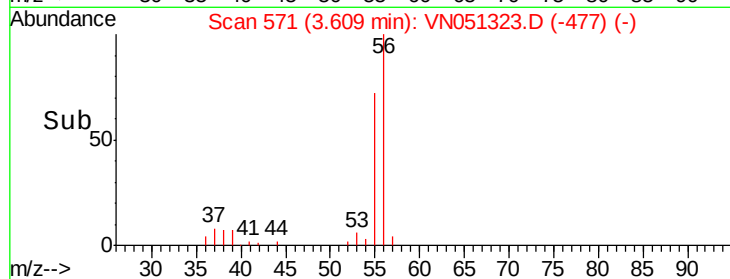
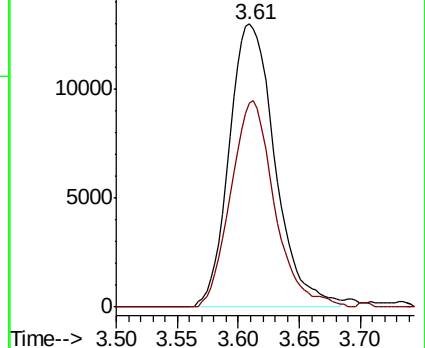
MMDadoda

9/20/2018 1:42:09 PM



Abundance Ion 56.00 (55.70 to 56.70): VN051267.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN051267.D (-553) (-)



#14

Allyl chloride

Concen: 18.02 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

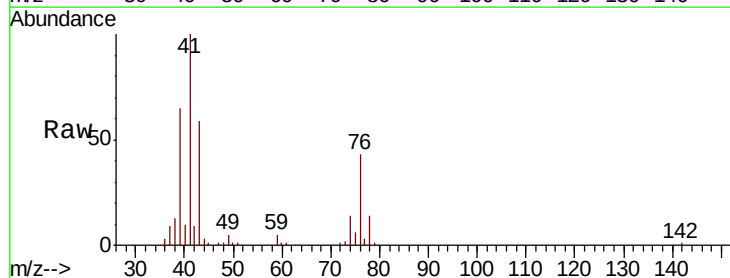
Tgt Ion: 41 Resp: 138969

Ion Ratio Lower Upper

41 100

39 61.8 49.0 73.4

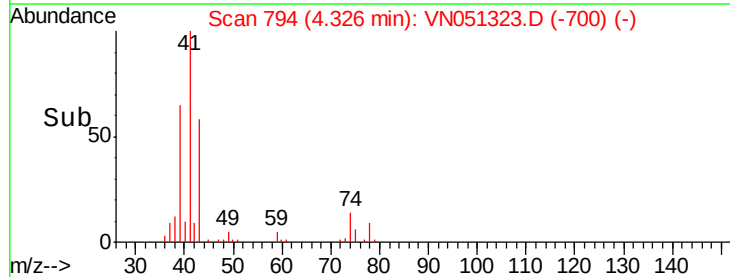
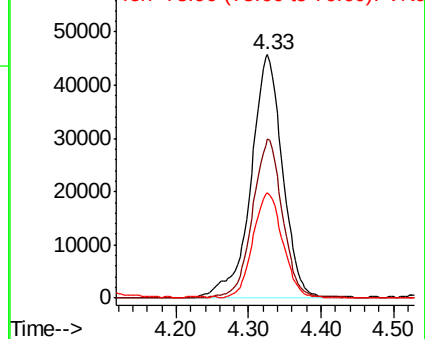
76 40.8 31.4 47.0

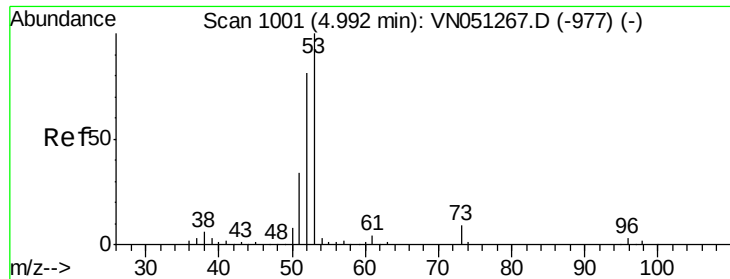


Abundance Ion 41.00 (40.70 to 41.70): VN051267.D (-758) (-)

Ion 39.00 (38.70 to 39.70): VN051267.D (-758) (-)

Ion 75.90 (75.60 to 76.60): VN051267.D (-758) (-)





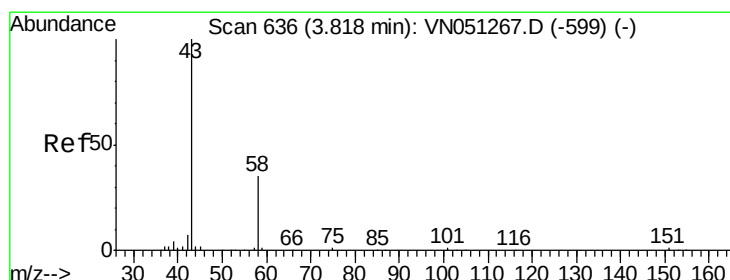
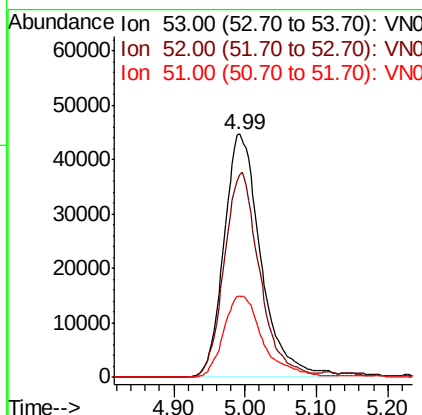
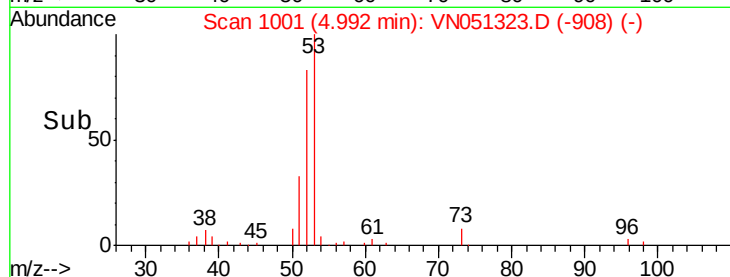
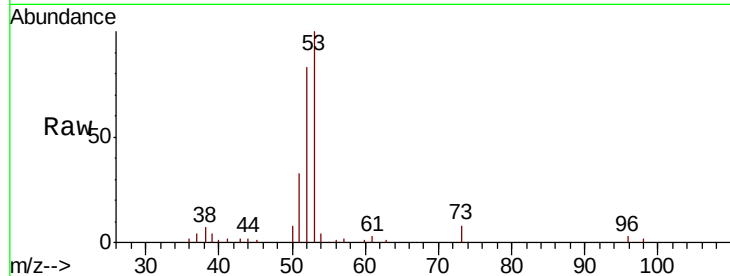
#15
 Acrylonitrile
 Concen: 99.84 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion:	53	Resp:	161284
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.0	97.6
51	35.8	28.0	42.0

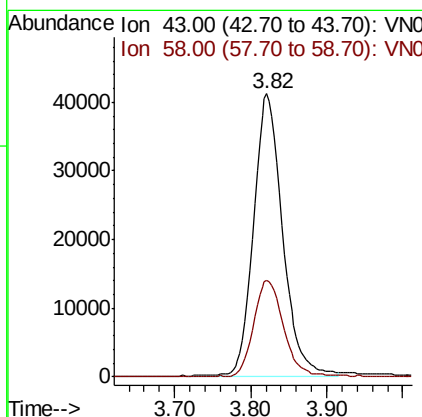
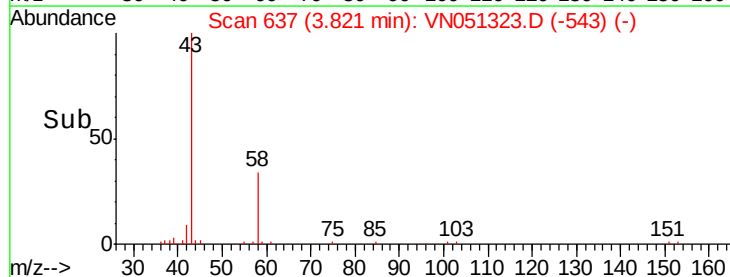
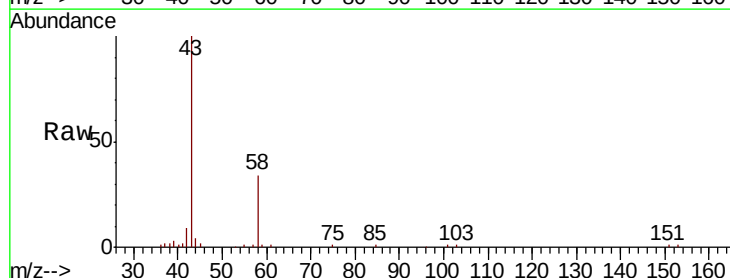
Manual Integrations
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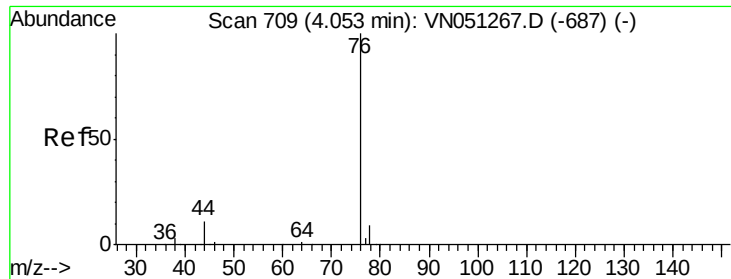
MMDadoda
 9/20/2018 1:42:09 PM



#16
 Acetone
 Concen: 83.48 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion:	43	Resp:	110463
Ion	Ratio	Lower	Upper
43	100		
58	34.3	28.2	42.2





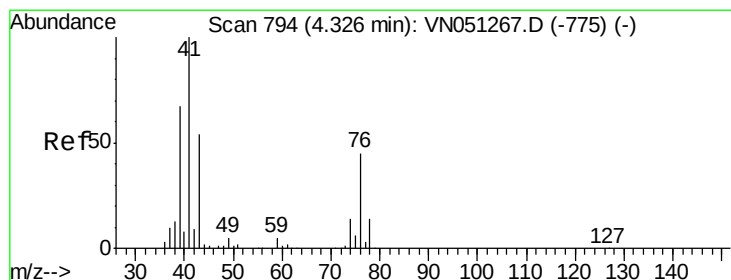
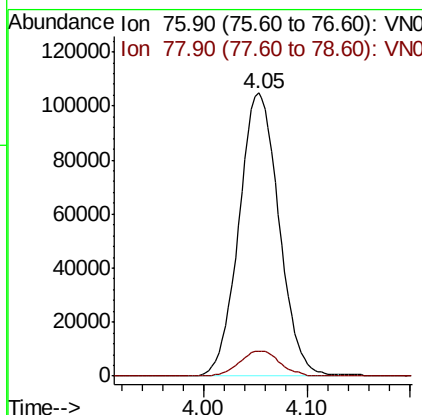
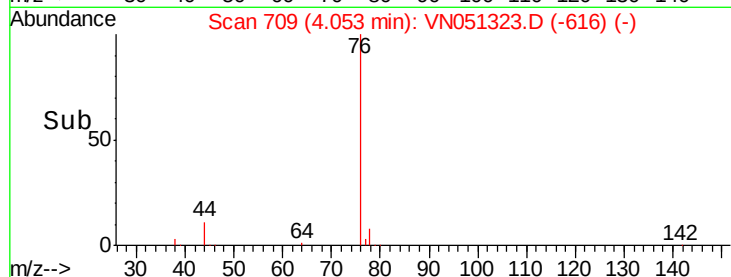
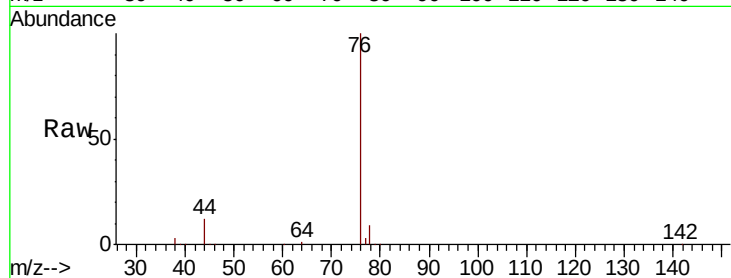
#17
Carbon Disulfide
Concen: 17.53 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

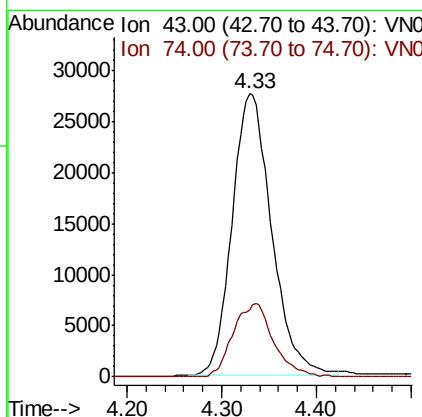
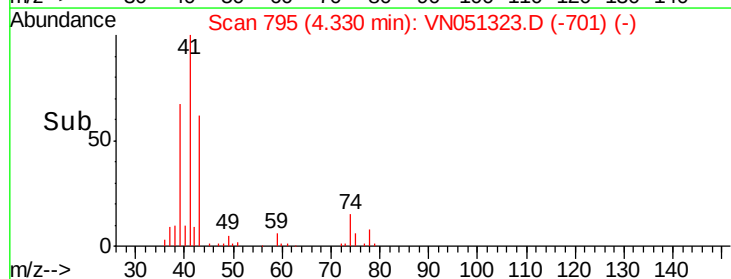
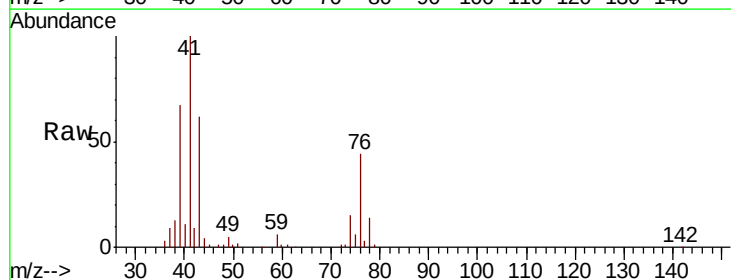
Manual Integrations
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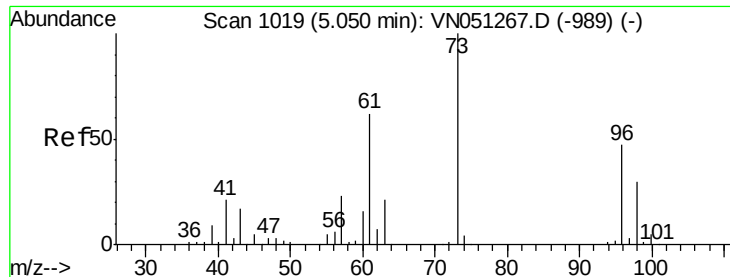
MMDadoda
9/20/2018 1:42:09 PM



#18
Methyl Acetate
Concen: 20.54 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	20.8	31.2





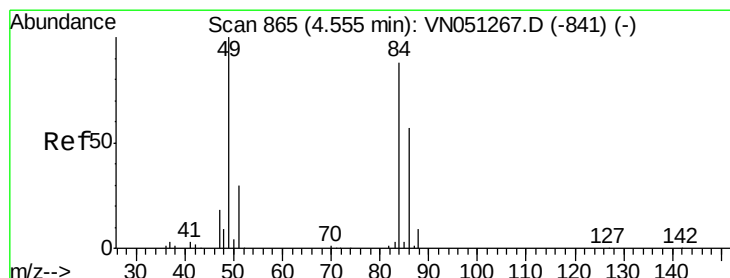
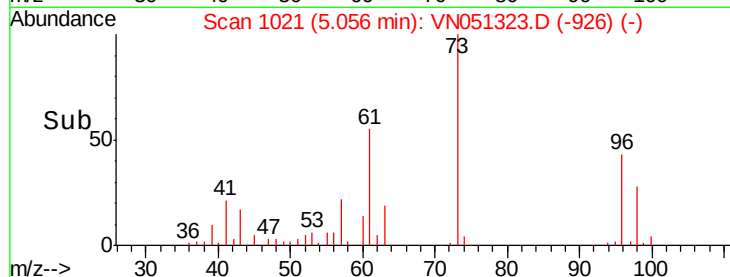
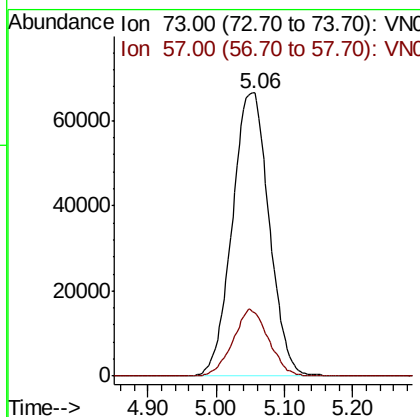
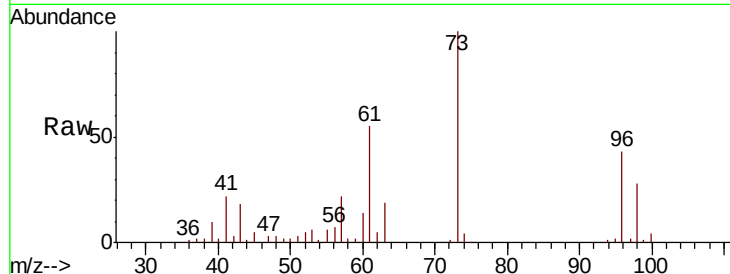
#19
Methyl tert-butyl Ether
Concen: 19.96 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.1	27.1

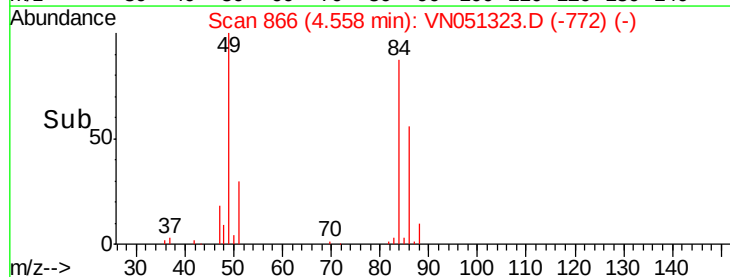
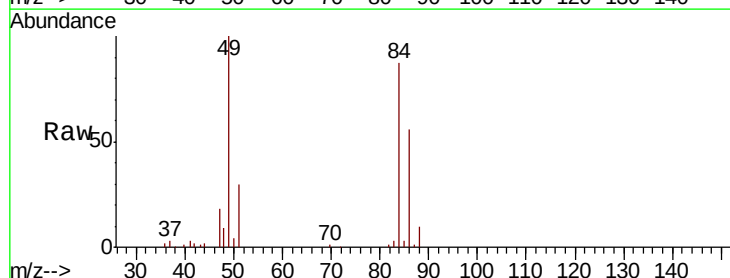
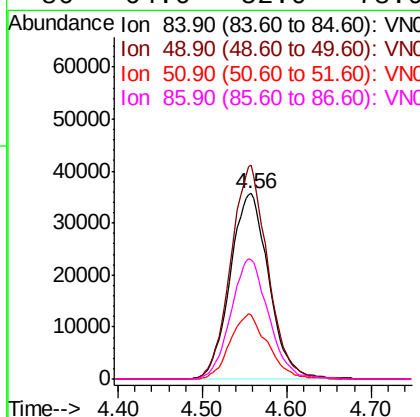
Manual Integrations
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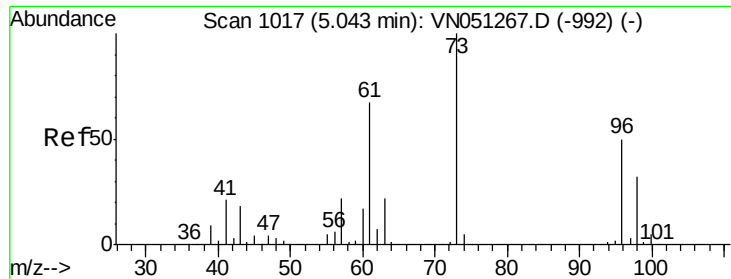
MMDadoda
9/20/2018 1:42:09 PM



#20
Methylene Chloride
Concen: 18.49 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.3	91.2	136.8
51	34.6	27.7	41.5
86	64.6	52.0	78.0





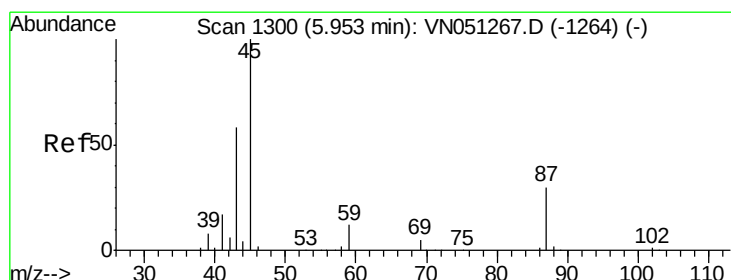
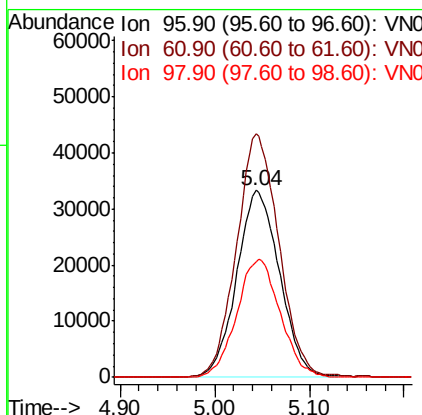
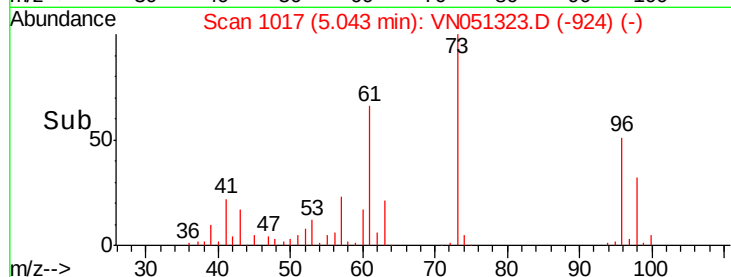
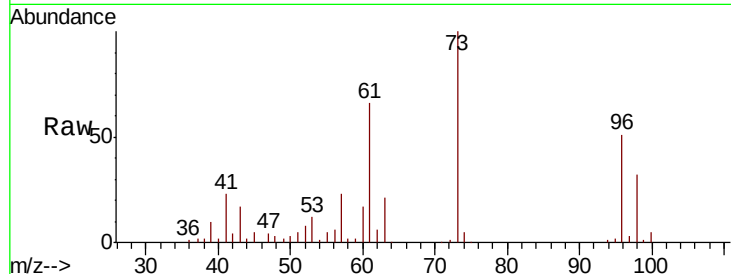
#21
trans-1,2-Dichloroethene
Concen: 18.31 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.1	106.7	160.1
98	61.8	51.4	77.0

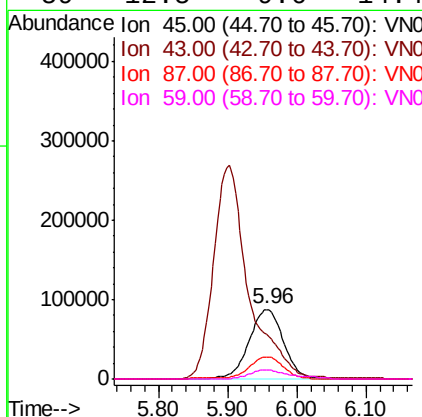
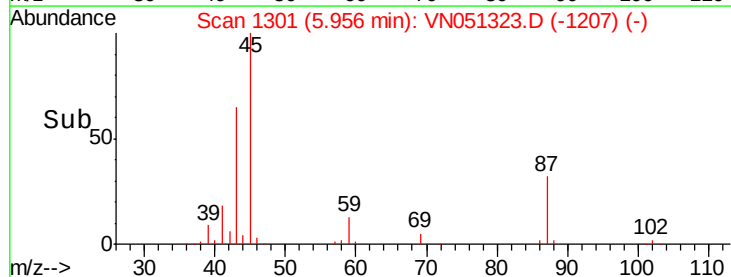
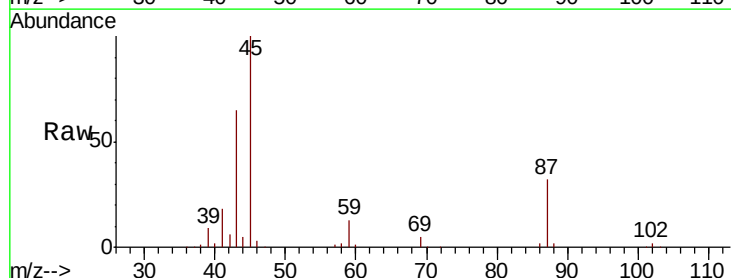
Manual Integrations
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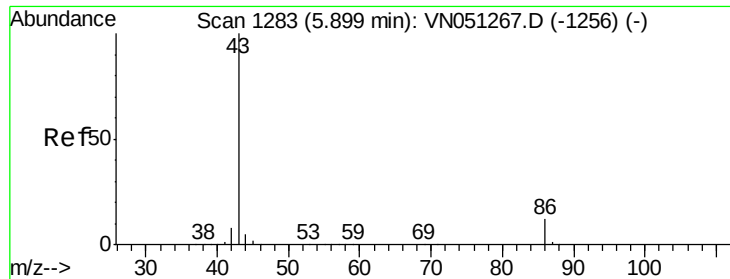
MMDadoda
9/20/2018 1:42:09 PM



#22
Diisopropyl ether
Concen: 20.16 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.9	46.7	70.1
87	31.8	24.6	36.8
59	12.5	9.6	14.4





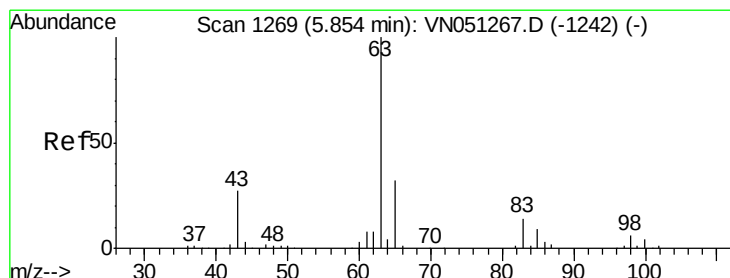
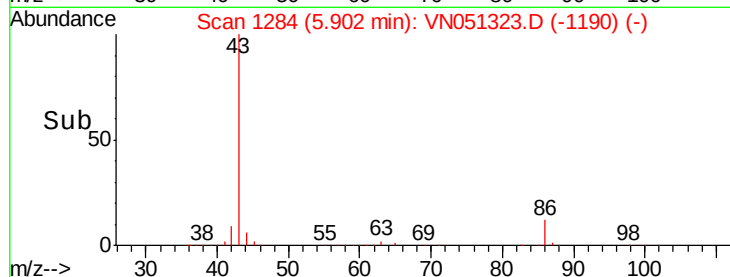
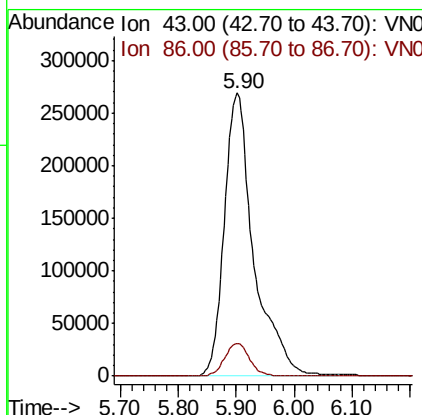
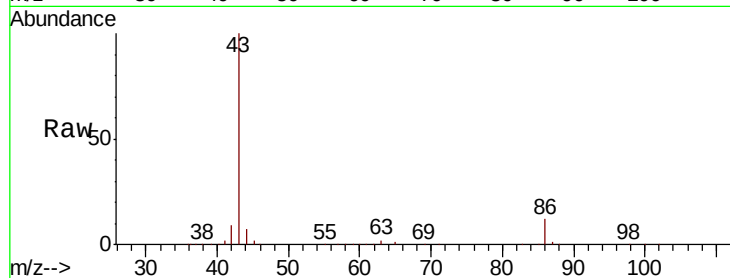
#23
 Vinyl Acetate
 Concen: 98.21 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion	43	Resp	950520
Ion Ratio	100	Lower	Upper
43	100		
86	11.7	9.3	13.9

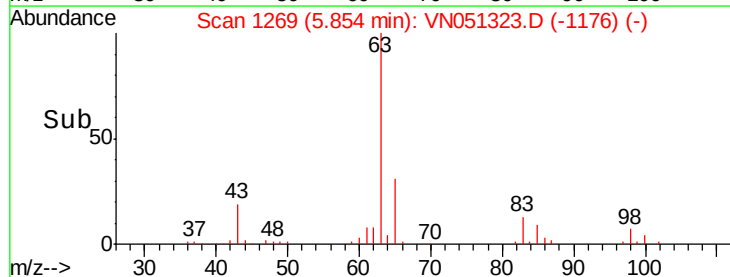
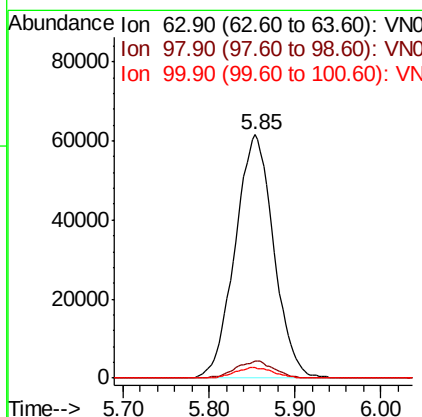
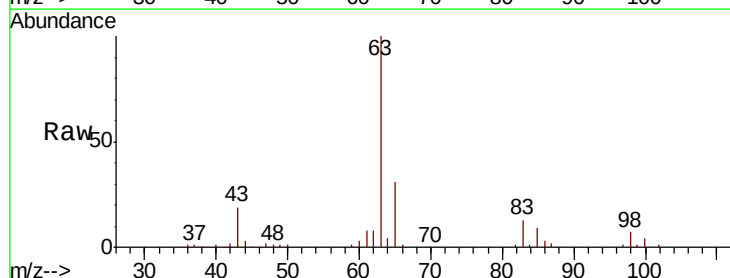
Manual Integrations
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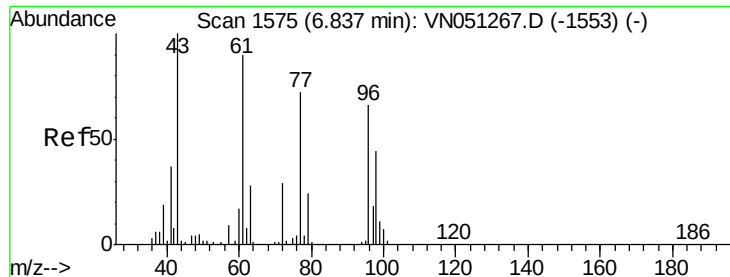
MMDadoda
 9/20/2018 1:42:09 PM



#24
 1,1-Dichloroethane
 Concen: 19.22 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion	63	Resp	191943
Ion Ratio	100	Lower	Upper
63	100		
98	7.0	3.3	9.8
100	4.4	2.3	6.8





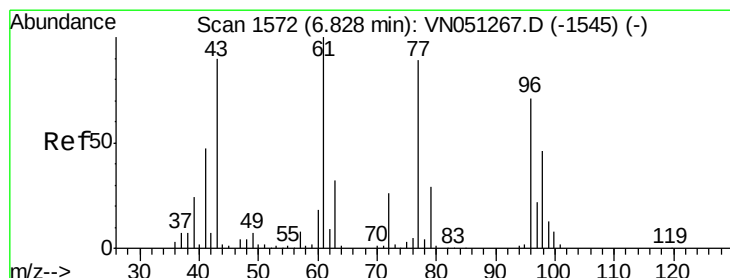
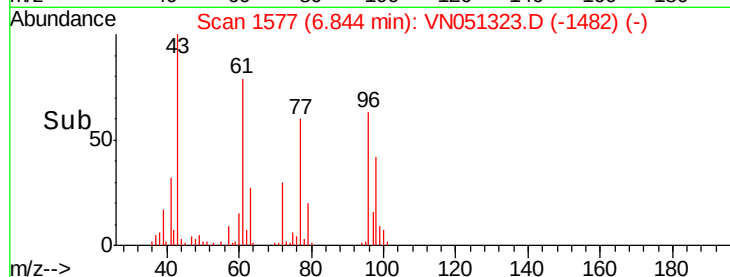
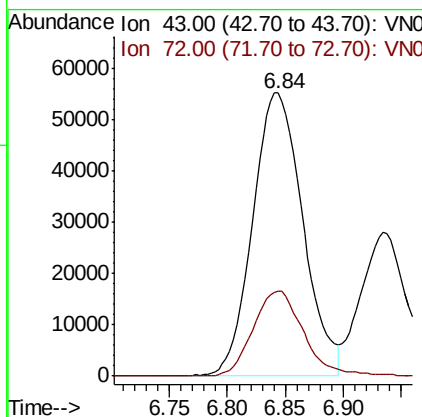
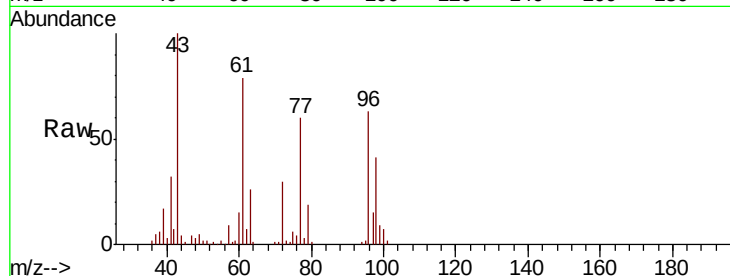
#25
2-Butanone
Concen: 92.70 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion: 43 Resp: 166507
Ion Ratio Lower Upper
43 100
72 30.1 23.4 35.0

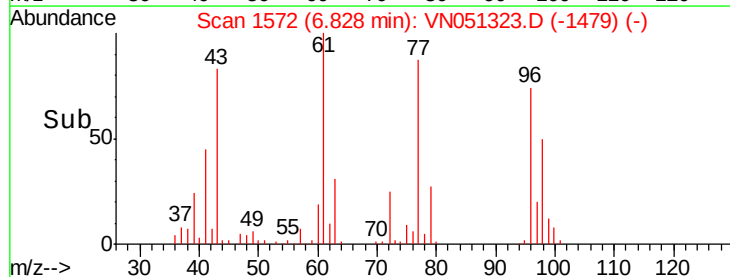
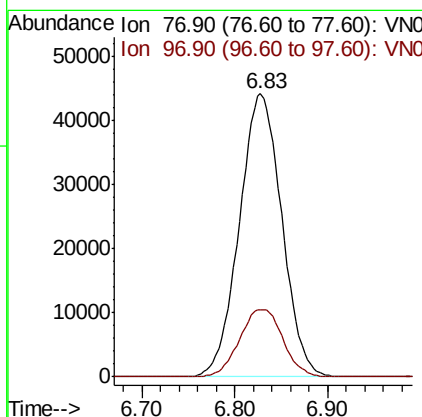
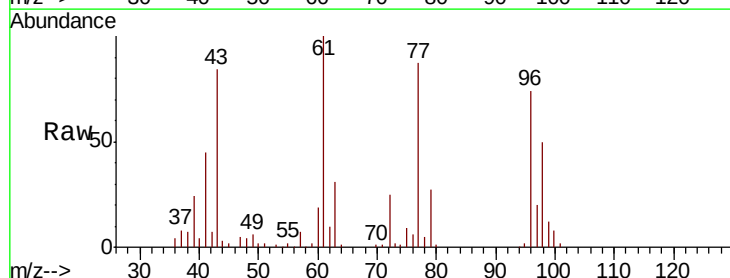
Manual Integrations
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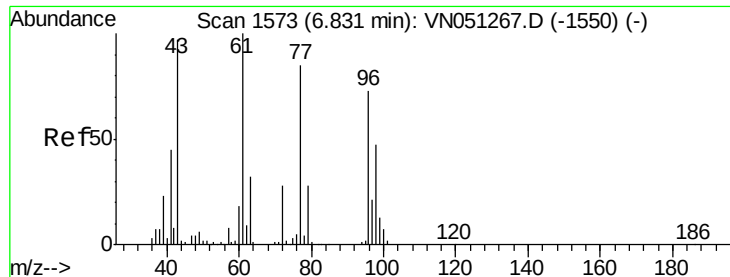
MMDadoda
9/20/2018 1:42:09 PM



#26
2,2-Dichloropropane
Concen: 17.26 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion: 77 Resp: 140183
Ion Ratio Lower Upper
77 100
97 24.3 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 19.03 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

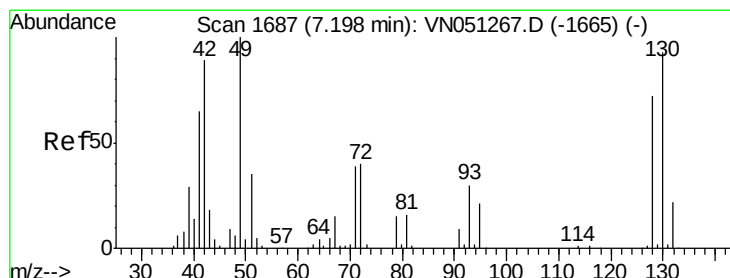
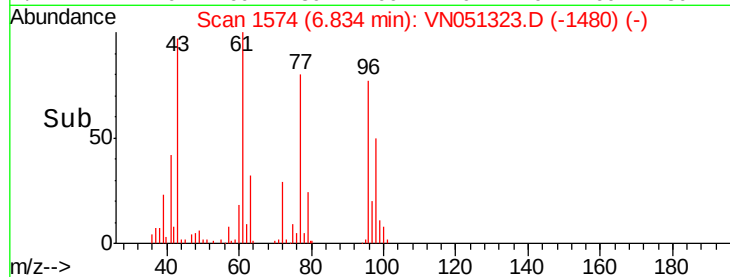
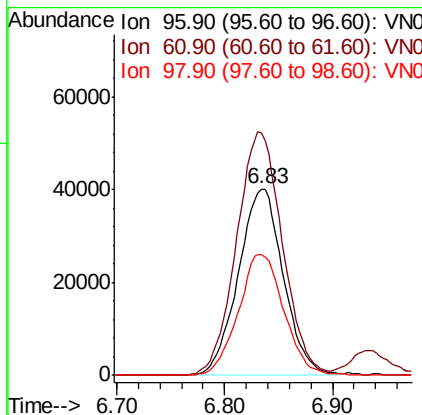
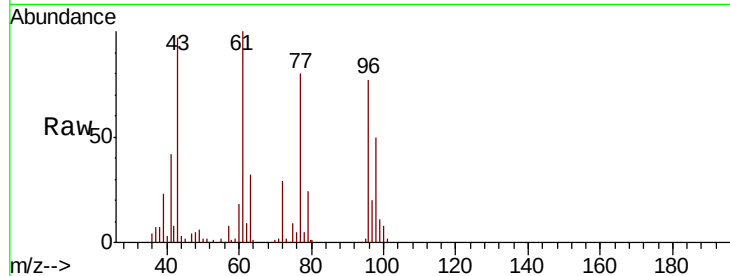
ClientSampleId :

VN0919WBSD02

Tot Ion:	96	Resp:	116448
Ion Ratio	Lower	Upper	
96	100		
61	133.1	0.0	276.2
98	65.4	0.0	129.2

Manual Integrations
APPROVED

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9/20/2018 1:42:09 PM



#28

Bromochloromethane

Concen: 18.80 ug/l

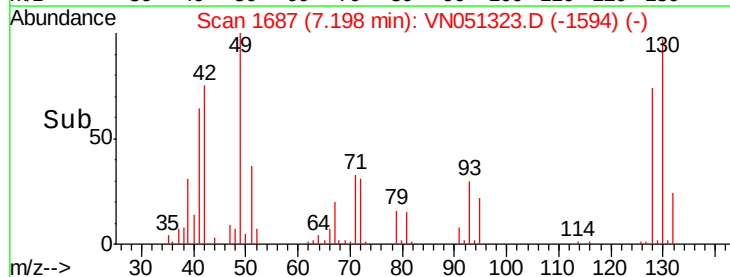
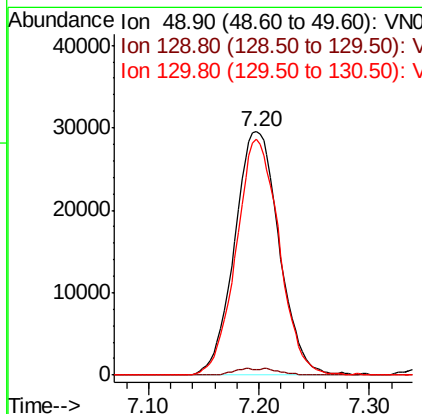
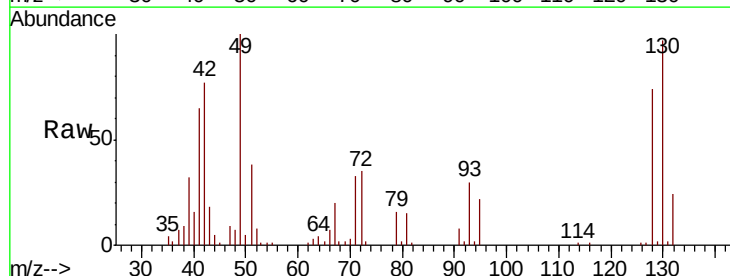
RT: 7.20 min Scan# 1687

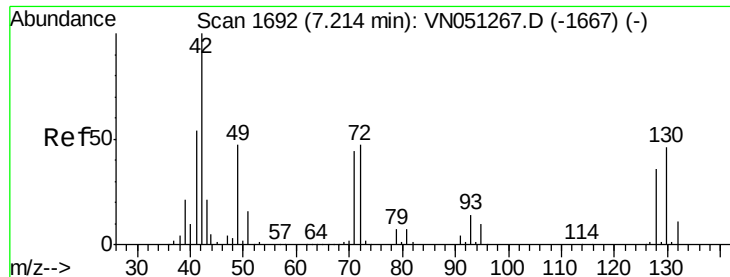
Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Tgt Ion:	49	Resp:	82702
Ion Ratio	Lower	Upper	
49	100		
129	1.3	0.0	4.6
130	93.2	73.7	110.5





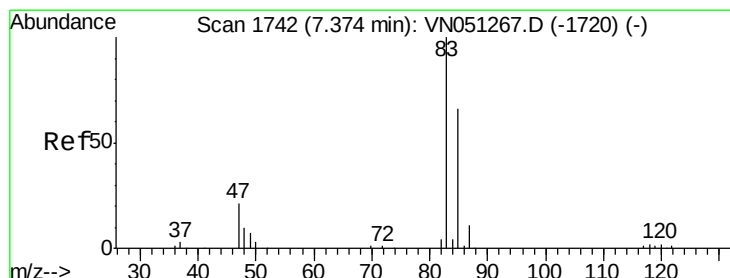
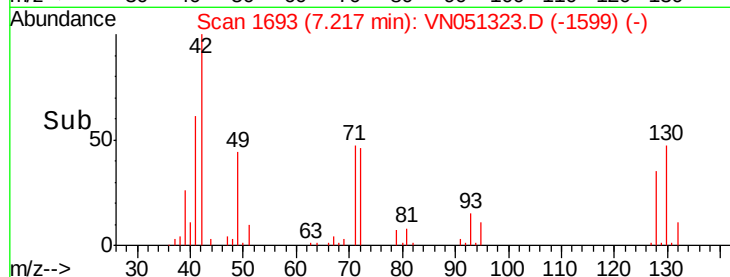
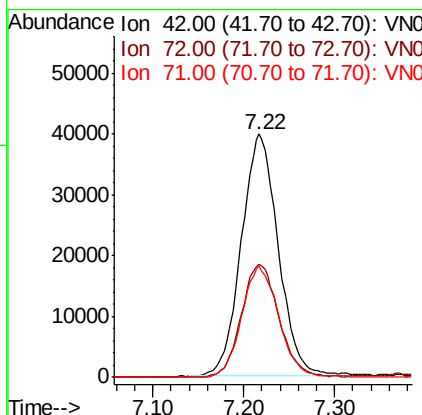
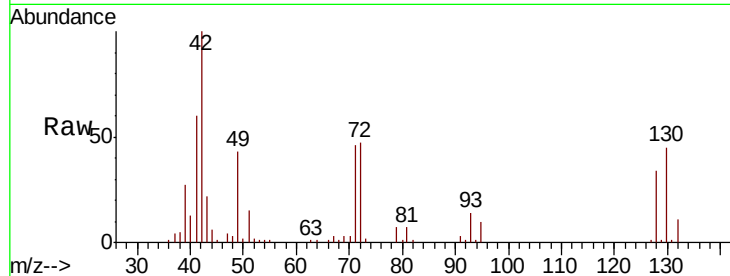
#29
Tetrahydrofuran
Concen: 101.15 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.6	56.4
71	46.0	35.4	53.2

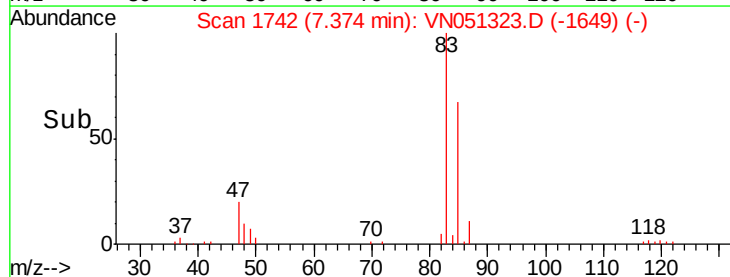
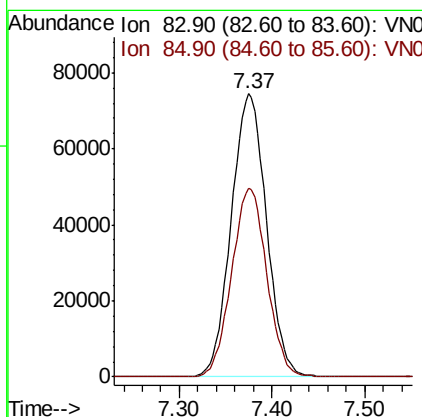
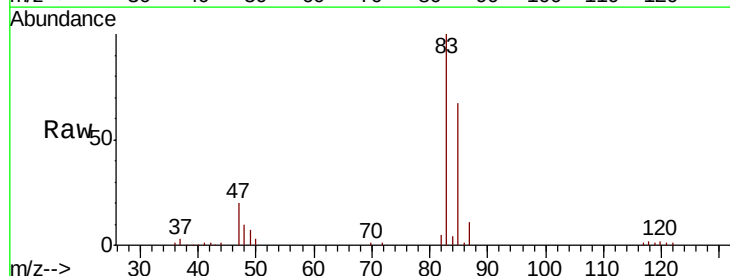
Manual Integrations
APPROVED

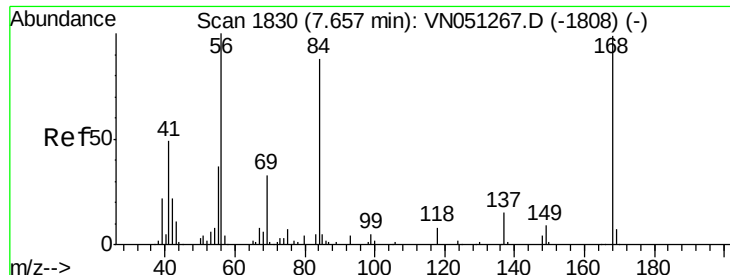
MMDadoda
9/20/2018 1:42:09 PM



#30
Chloroform
Concen: 19.19 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.4	78.6





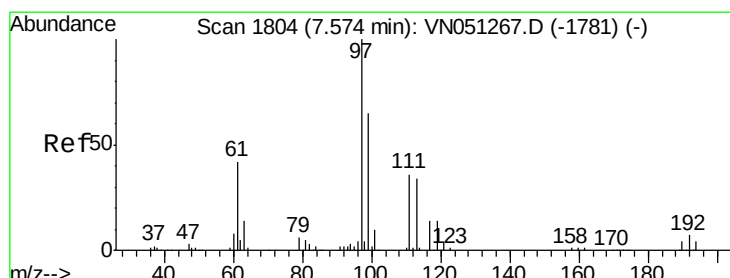
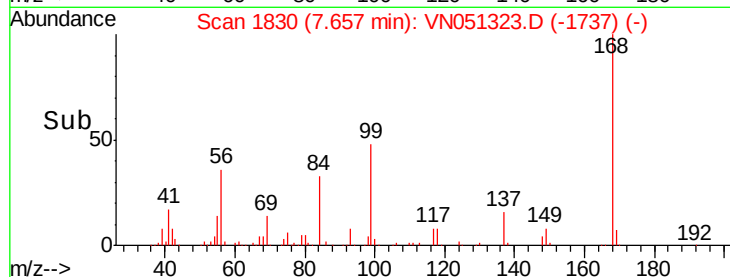
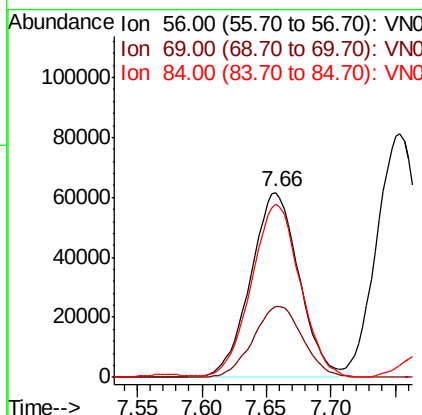
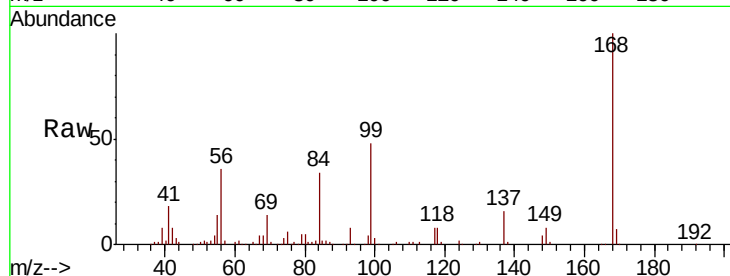
#31
Cyclohexane
Concen: 17.78 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.3	26.2	39.2
84	92.4	70.6	106.0

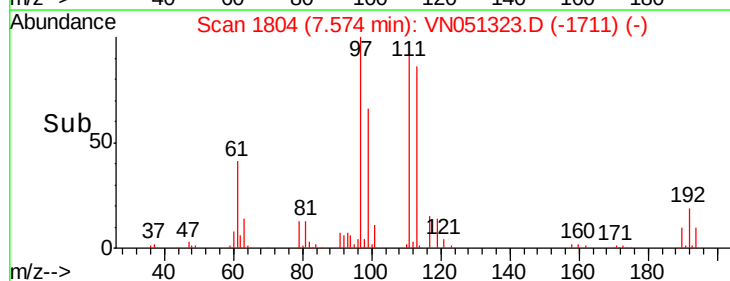
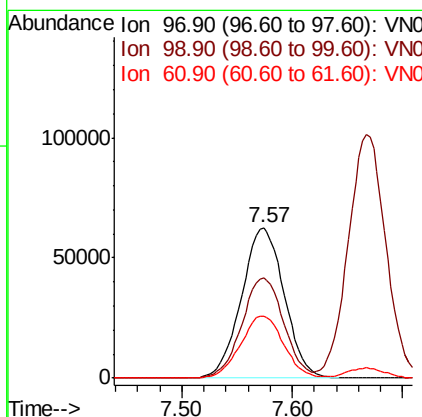
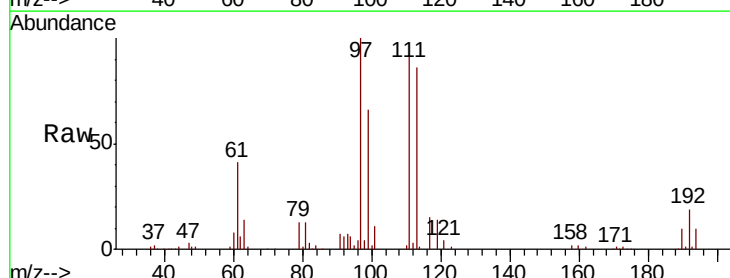
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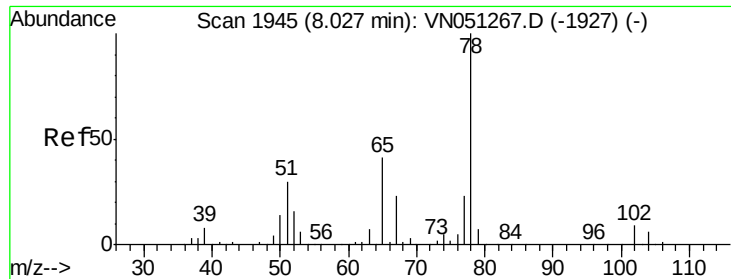
MMDadoda
9/20/2018 1:42:09 PM



#32
1,1,1-Trichloroethane
Concen: 19.17 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.6	77.4
61	41.8	33.4	50.2





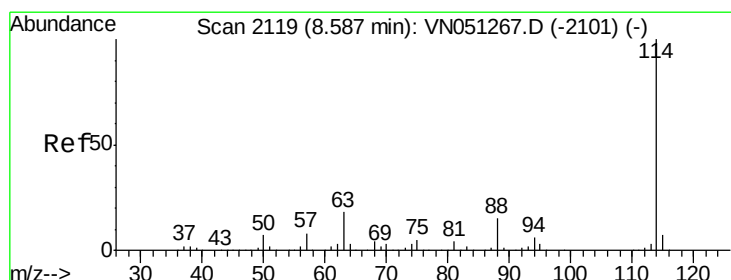
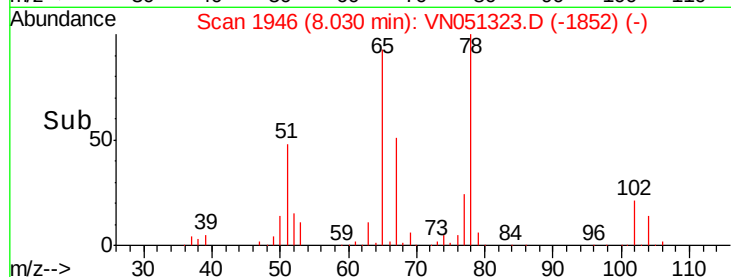
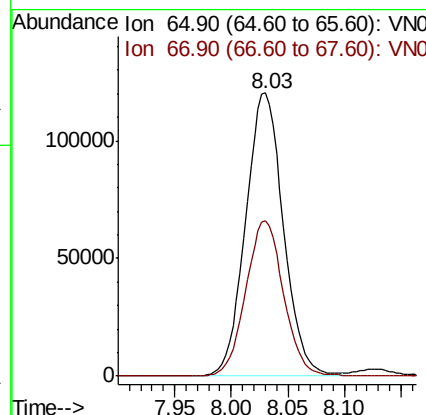
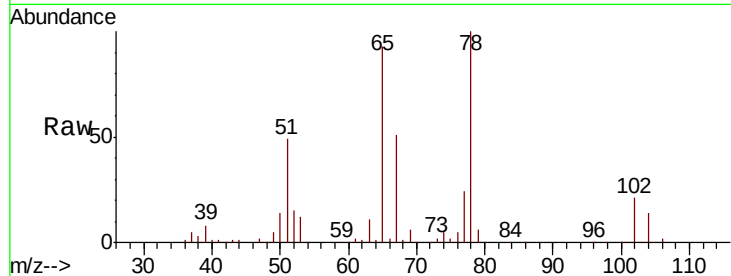
#33
 1,2-Dichloroethane-d4
 Concen: 49.85 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	279508		
67	54.8	0.0	111.0	

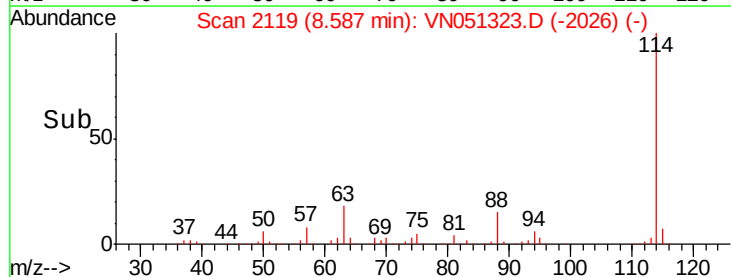
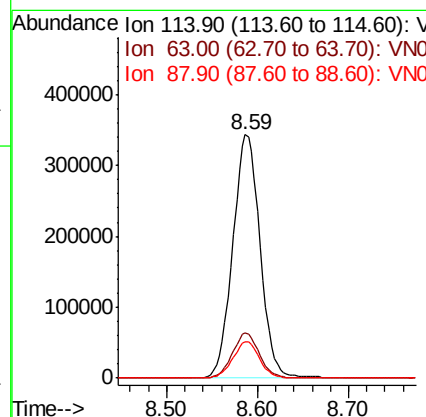
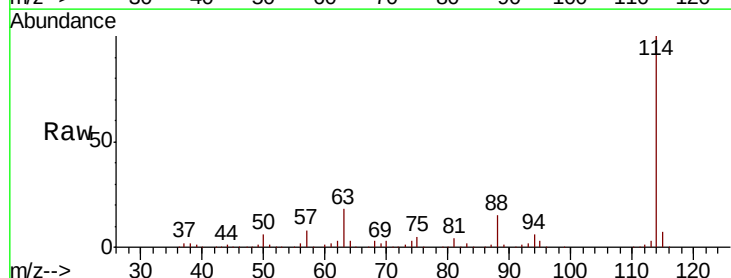
Manual Integrations
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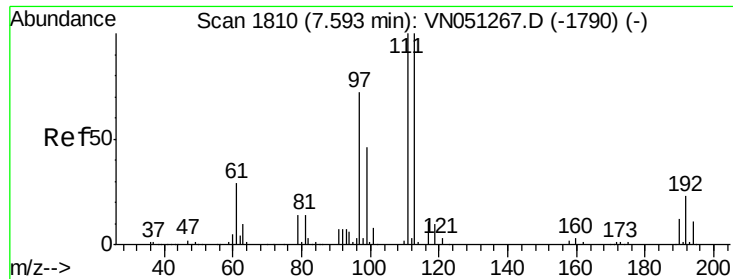
MMDadoda
 9/20/2018 1:42:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	716293		
63	18.4	0.0	36.8	
88	14.8	0.0	30.8	





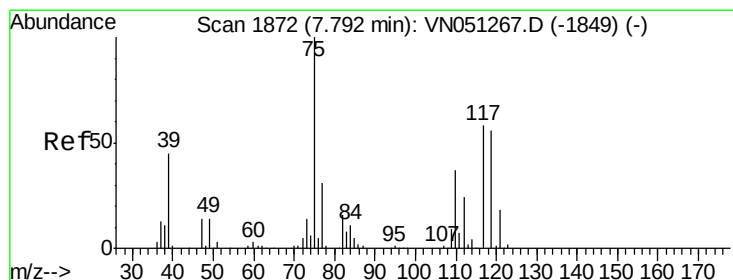
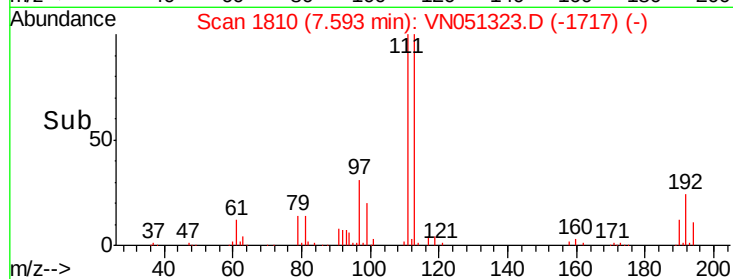
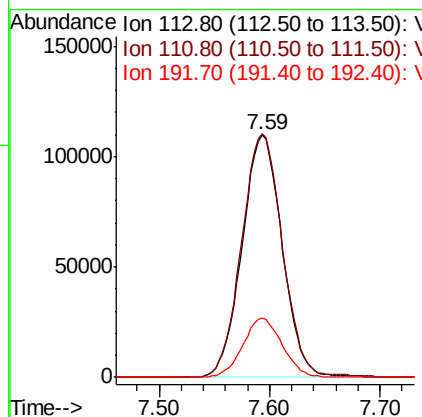
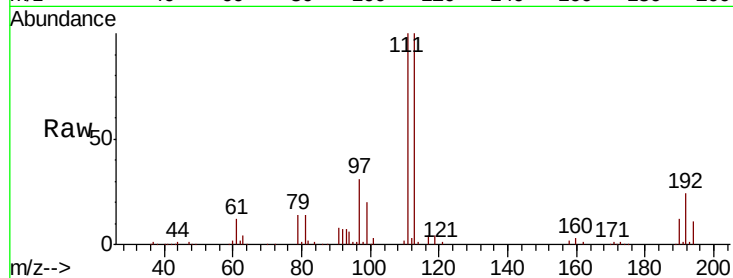
#35
 Dibromofluoromethane
 Concen: 49.59 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	276032		
111	102.6	82.2	123.4	
192	24.0	19.0	28.6	

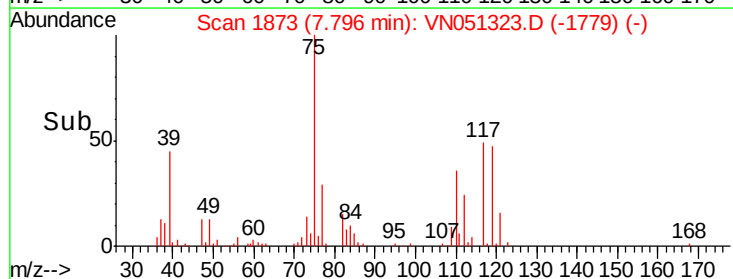
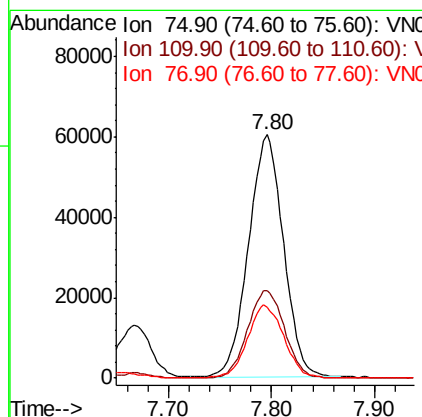
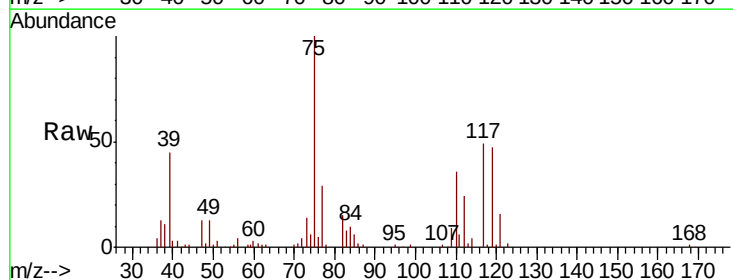
Manual Integrations
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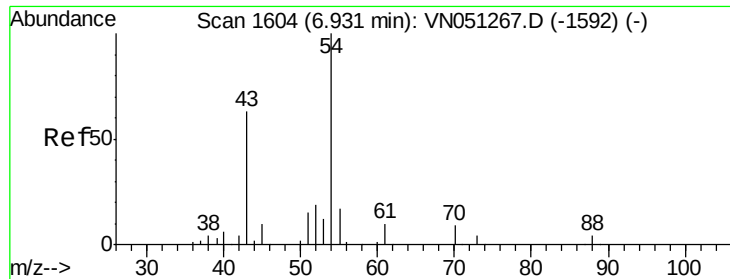
MMDadoda
 9/20/2018 1:42:09 PM



#36
 1,1-Dichloropropene
 Concen: 18.38 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142489		
110	38.0	18.6	56.0	
77	31.2	24.7	37.1	





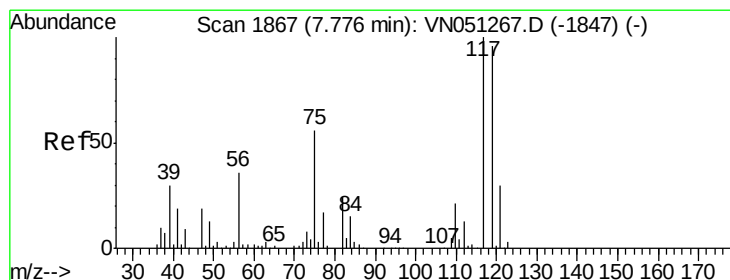
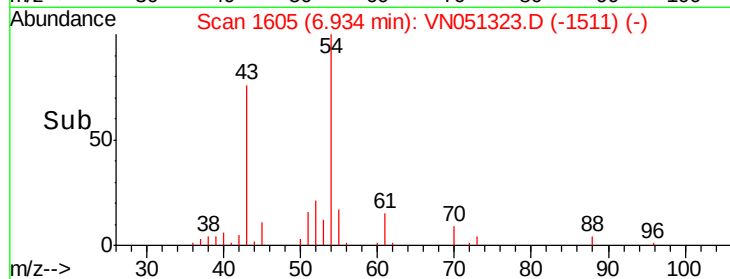
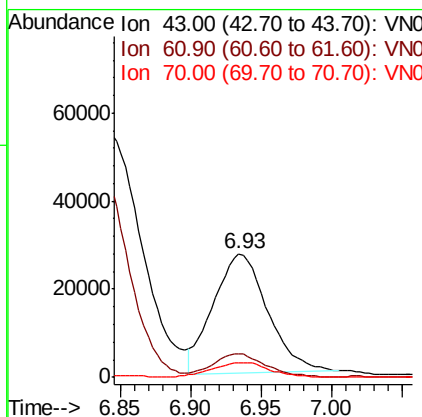
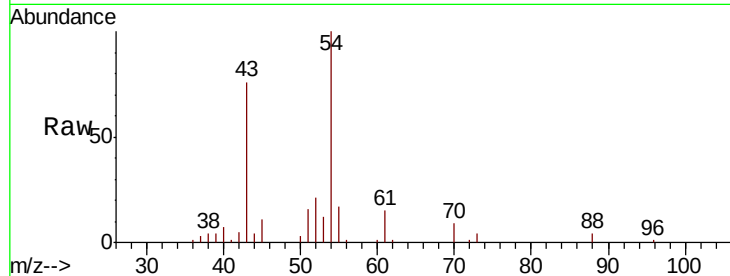
#37
Ethyl Acetate
Concen: 18.25 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	43	61	70
Ratio	100	18.7	13.3
Lower		12.3	9.4
Upper		18.5#	14.0

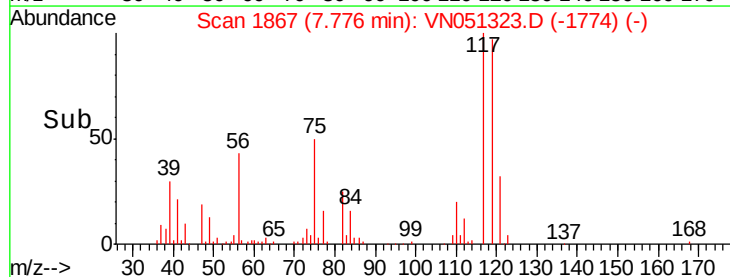
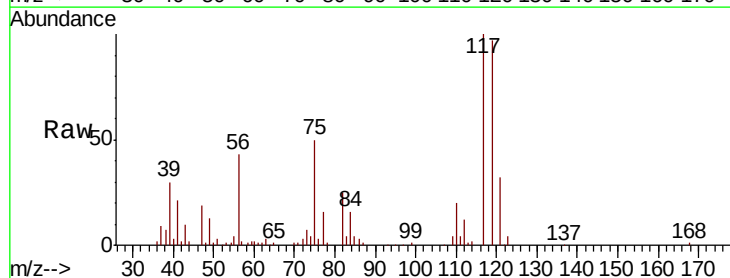
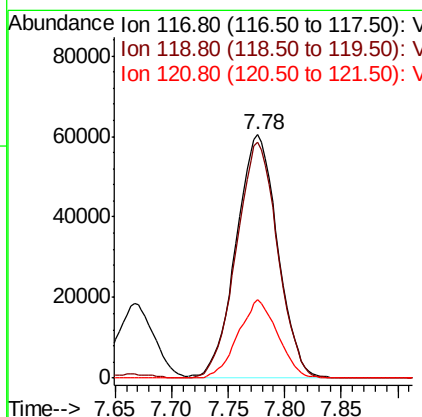
Manual Integrations
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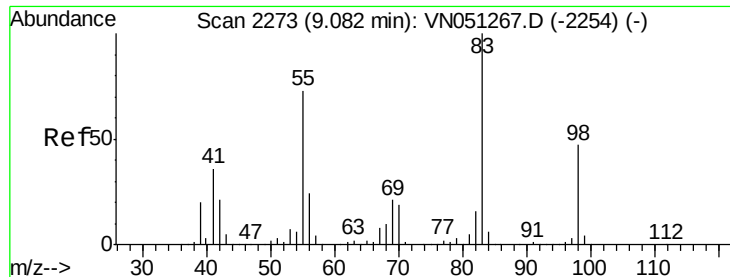
MMDadoda
9/20/2018 1:42:09 PM



#38
Carbon Tetrachloride
Concen: 19.10 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion	117	119	121
Ratio	100	97.1	32.0
Lower		76.8	24.2
Upper		115.2	36.2





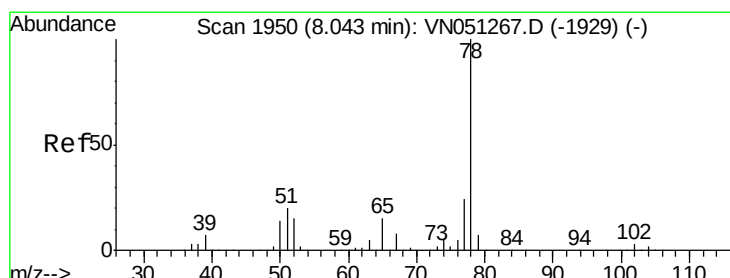
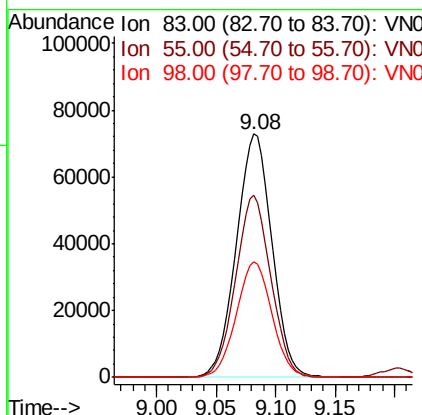
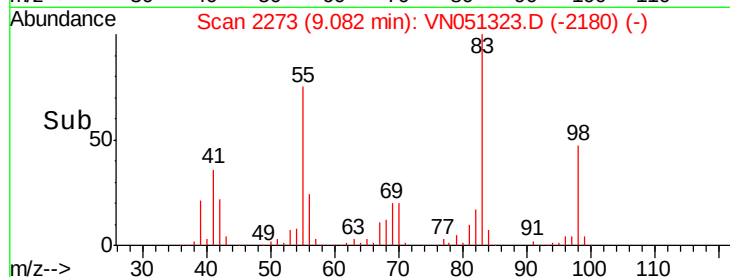
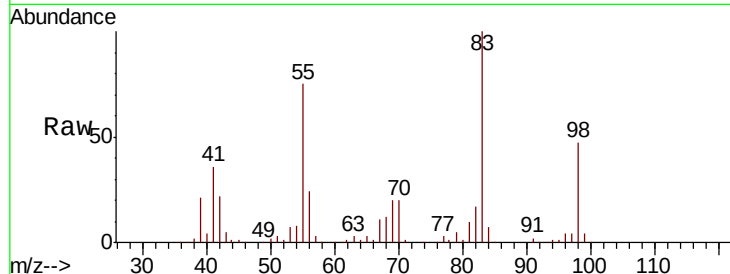
#39
Methylvlcyclohexane
Concen: 17.97 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	58.7	88.1
98	47.3	37.3	55.9

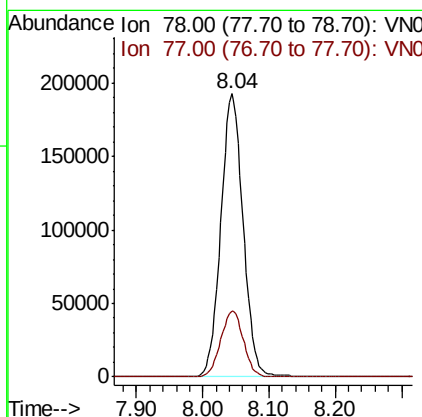
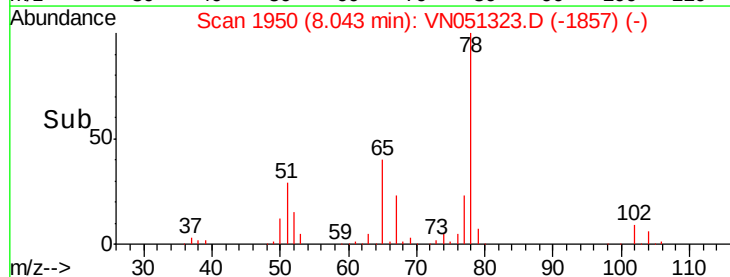
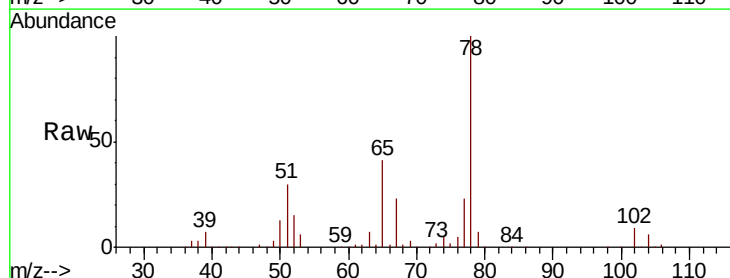
Manual Integrations
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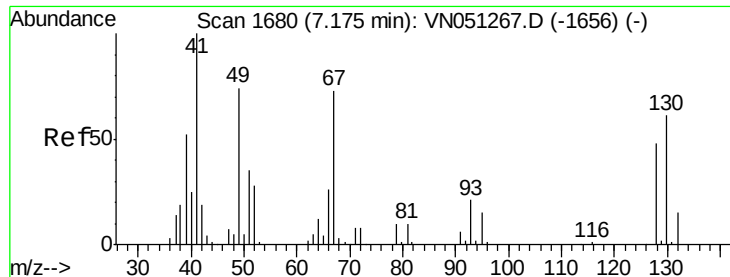
MMDadoda
9/20/2018 1:42:09 PM



#40
Benzene
Concen: 19.46 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.4





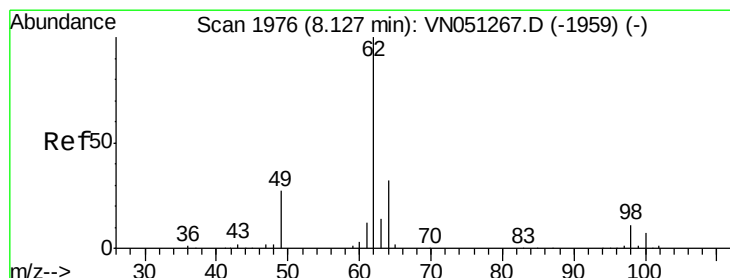
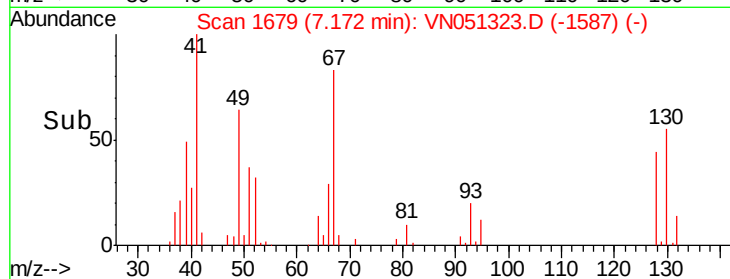
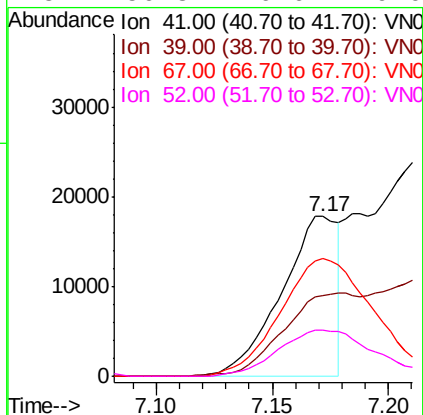
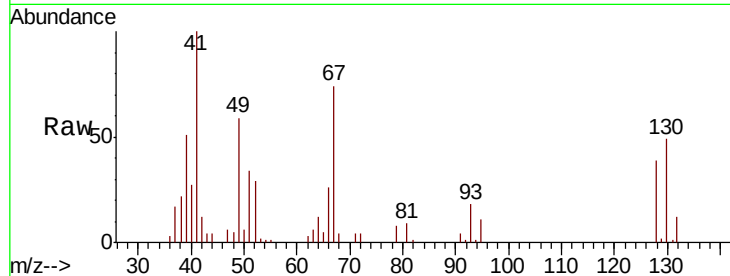
#41
Methacrylonitrile
Concen: 14.77 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.6	47.8	71.6
67	123.2	69.8	104.6
52	50.8	26.6	40.0

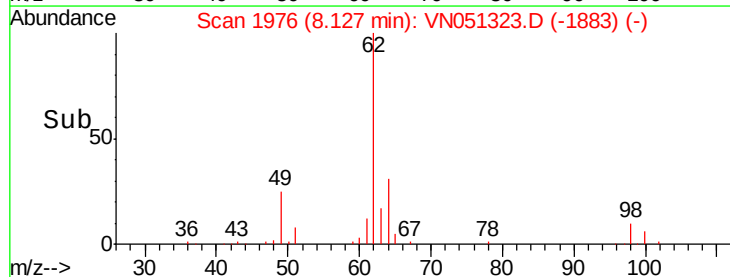
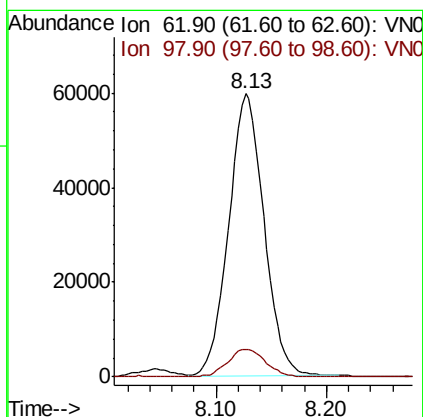
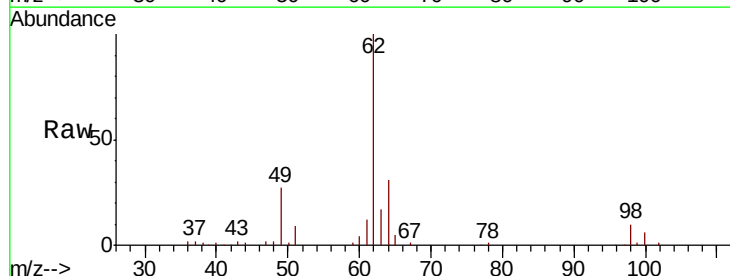
Manual Integrations
APPROVED

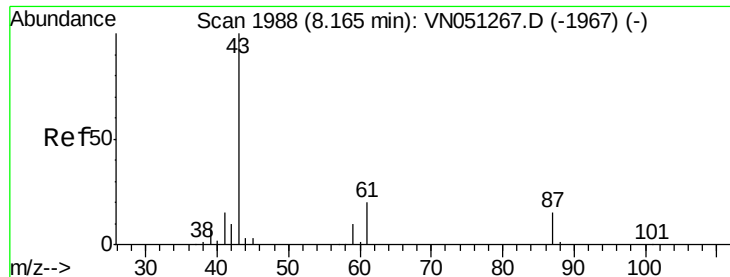
MMDadoda
9/20/2018 1:42:09 PM



#42
1,2-Dichloroethane
Concen: 19.54 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 20.96 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

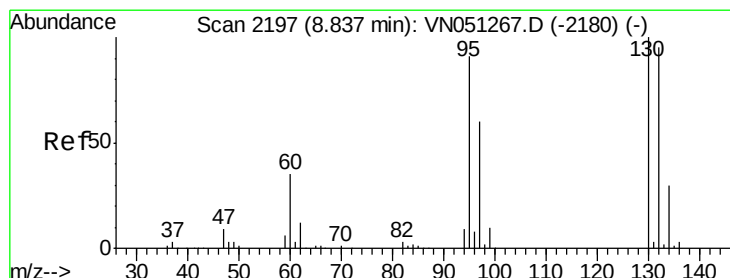
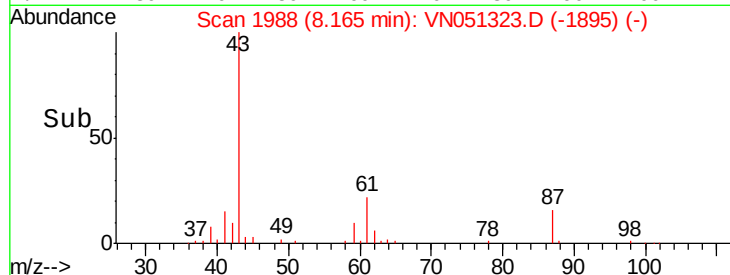
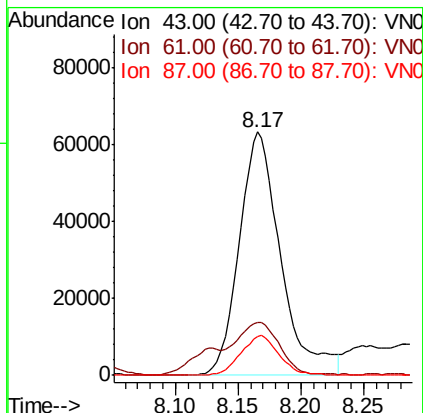
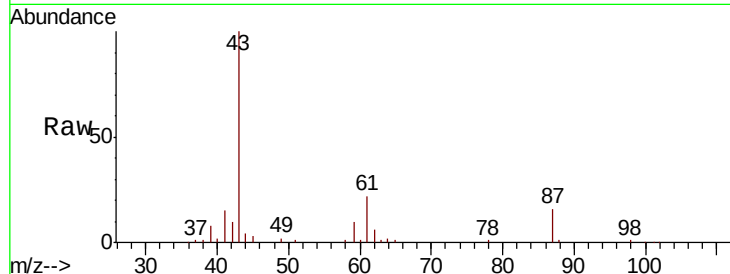
ClientSampleId :

VN0919WBSD02

Tot Ion:	43	Resp:	144586
Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.4	26.2
87	15.0	12.2	18.4

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#44

Trichloroethene

Concen: 18.92 ug/l

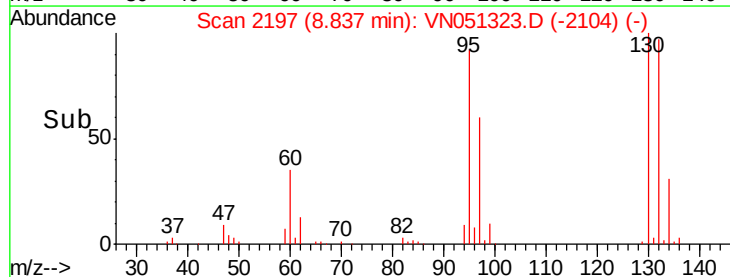
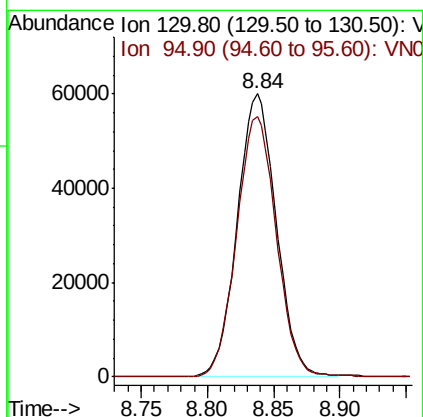
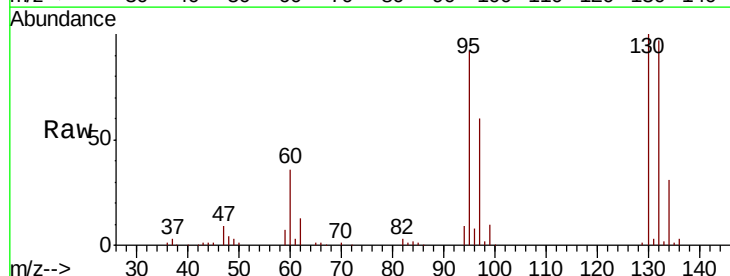
RT: 8.84 min Scan# 2197

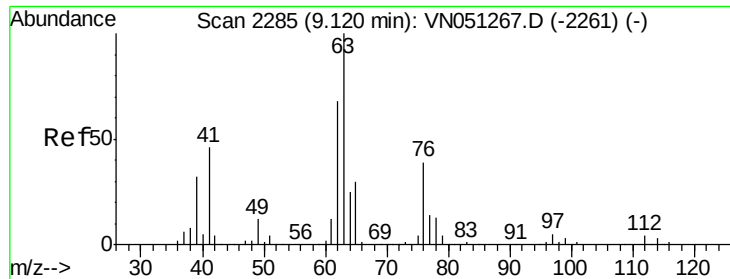
Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Tgt Ion:	130	Resp:	122688
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	181.8





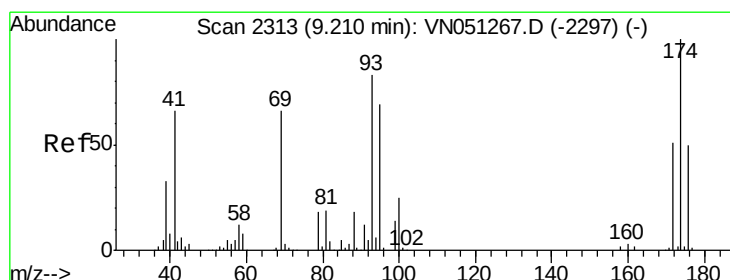
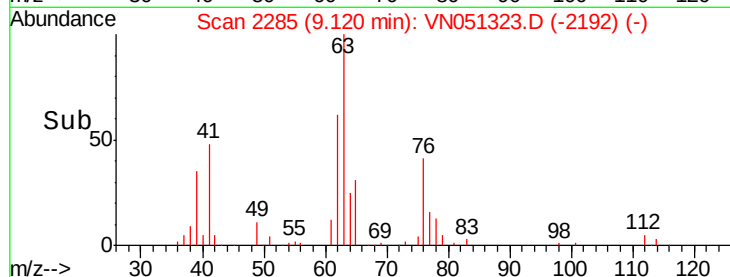
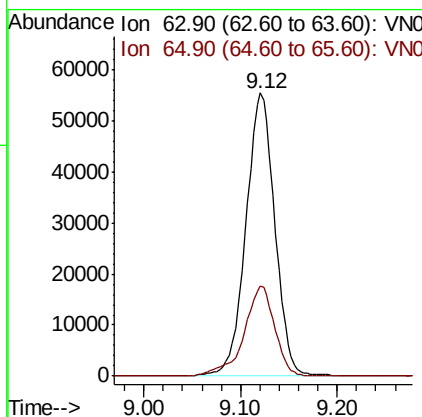
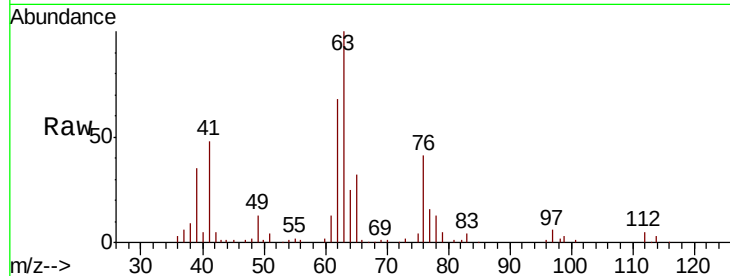
#45
 1,2-Dichloropropane
 Concen: 19.65 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion: 63 Resp: 114941
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.2 36.4

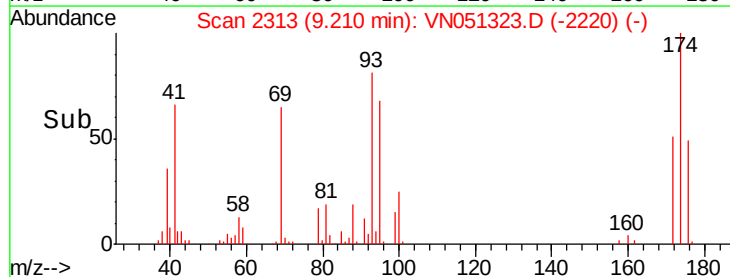
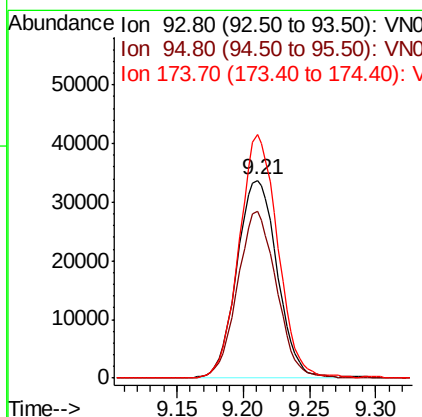
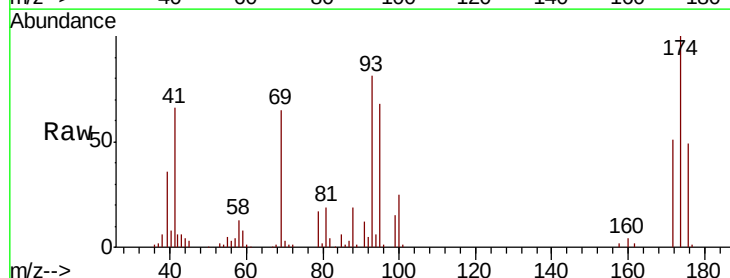
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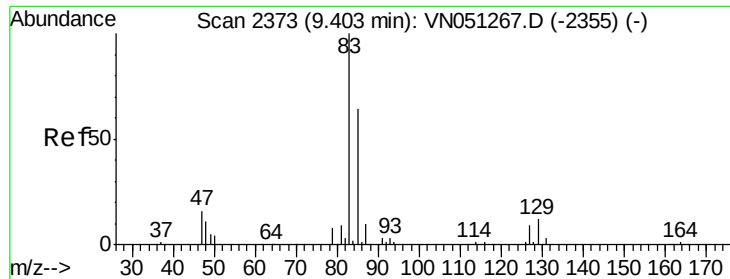
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#46
 Dibromomethane
 Concen: 20.06 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion: 93 Resp: 71457
 Ion Ratio Lower Upper
 93 100
 95 81.4 66.6 100.0
 174 118.2 95.6 143.4





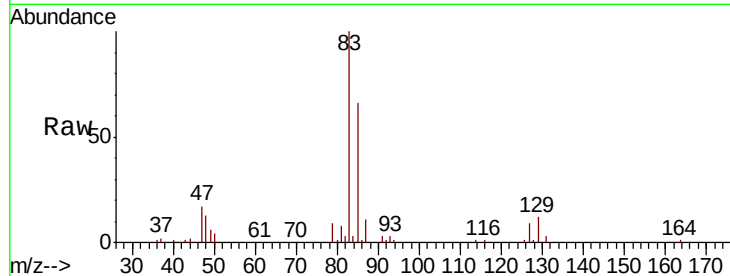
#47
Bromodichloromethane
Concen: 19.41 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

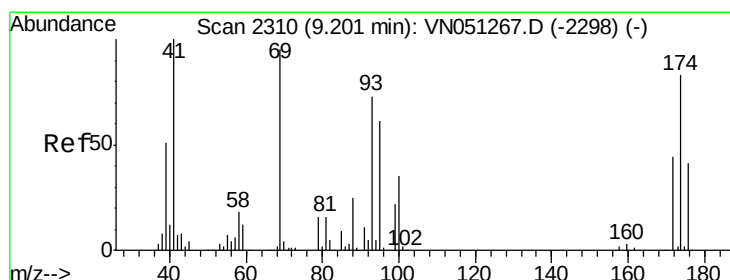
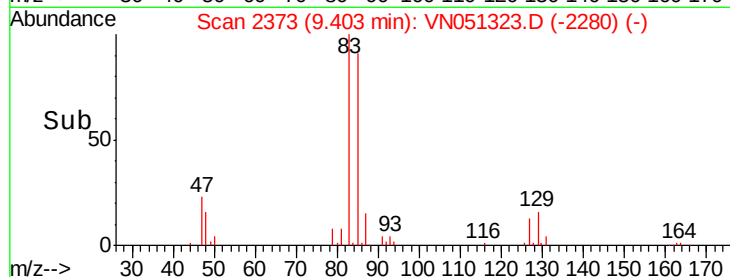
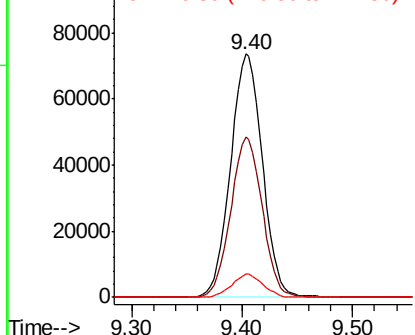
Tot Ion	83	Resp	147433
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	51.0	76.4
127	9.4	7.1	10.7

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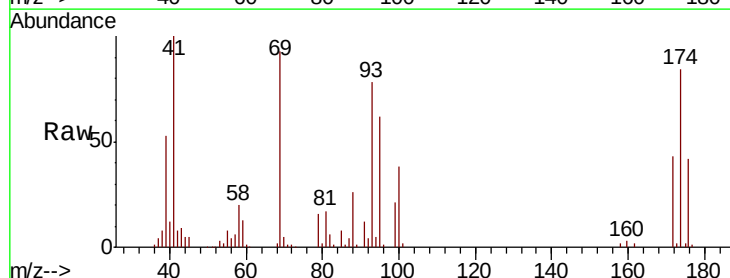


Abundance Ion 82.90 (82.60 to 83.60): VN051267.D (-2355) (-)

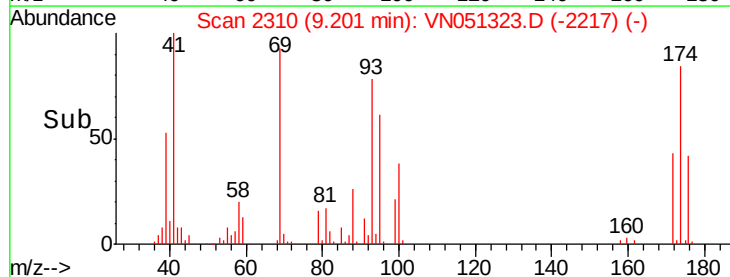
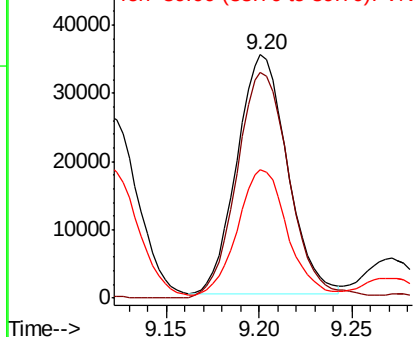


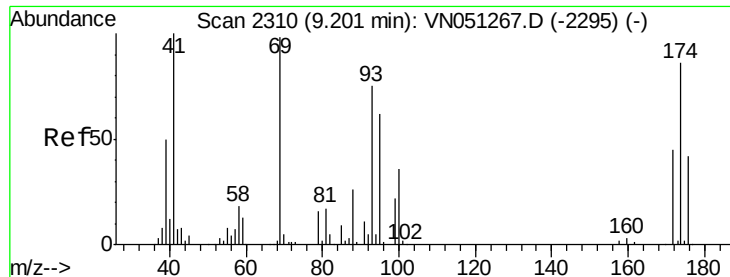
#48
Methyl methacrylate
Concen: 20.03 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion	41	Resp	66546
Ion Ratio	100	Lower	Upper
41	100		
69	98.6	78.9	118.3
39	53.4	42.2	63.2



Abundance Ion 41.00 (40.70 to 41.70): VN051267.D (-2298) (-)





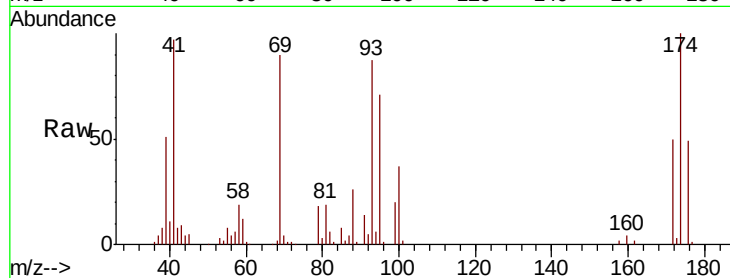
#49
1,4-Dioxane
Concen: 421.87 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

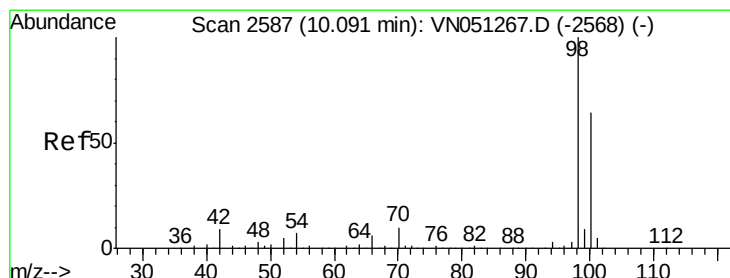
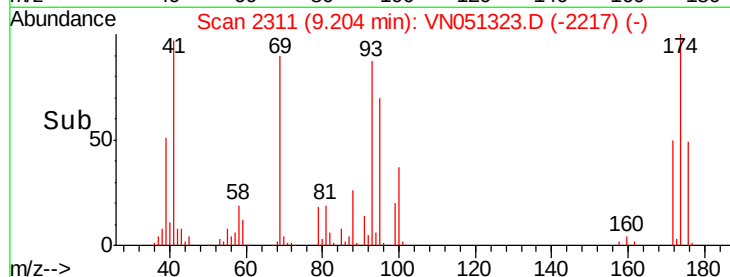
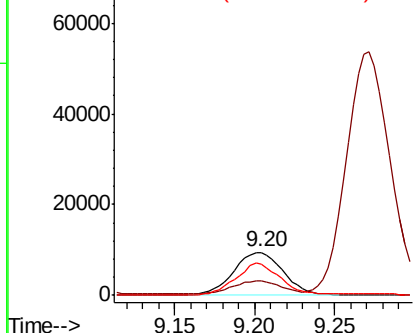
Tot Ion	88	Resp	20274
Ion	Ratio	Lower	Upper
88	100		
43	29.4	25.3	37.9
58	67.0	54.9	82.3

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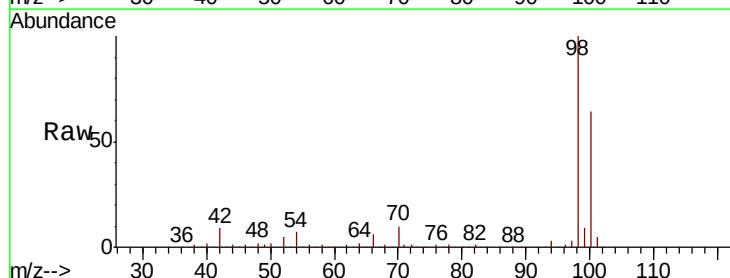


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

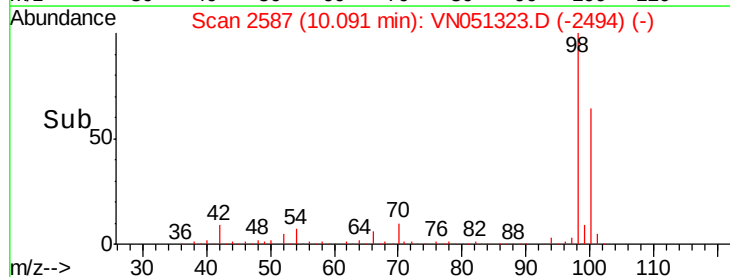
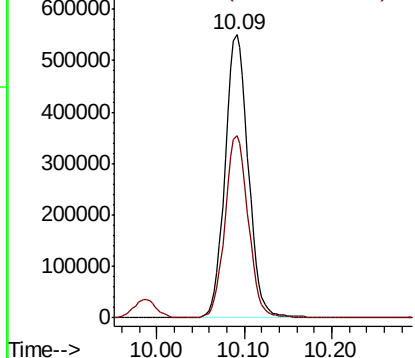


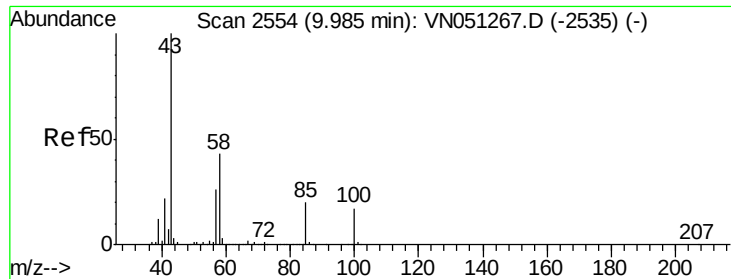
#50
Toluene-d8
Concen: 49.52 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion	98	Resp	1018942
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4



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





#51

4-Methyl-2-Pentanone

Concen: 106.89 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion: 43 Resp: 380397

Ion Ratio Lower Upper

43 100

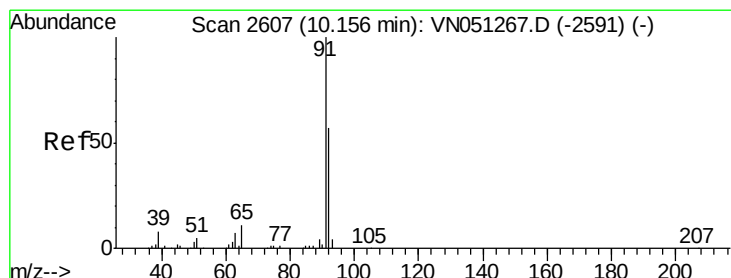
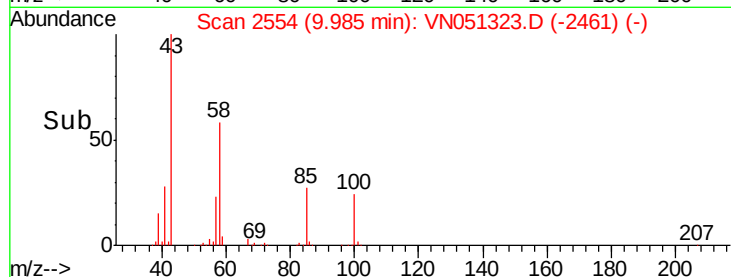
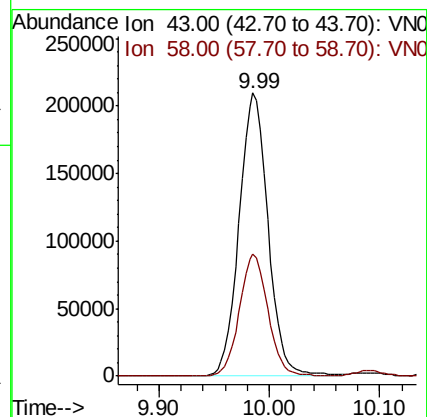
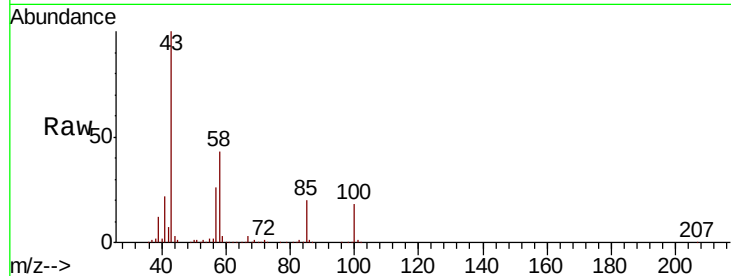
58 42.5 33.8 50.6

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#52

Toluene

Concen: 20.27 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051323.D

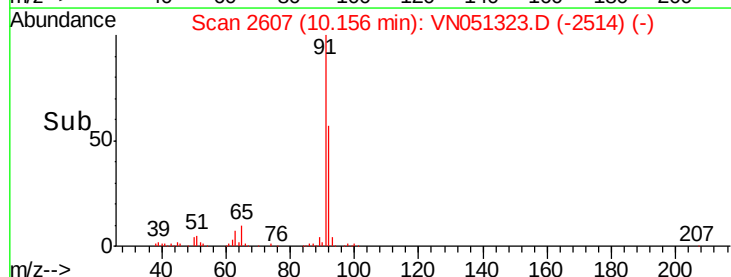
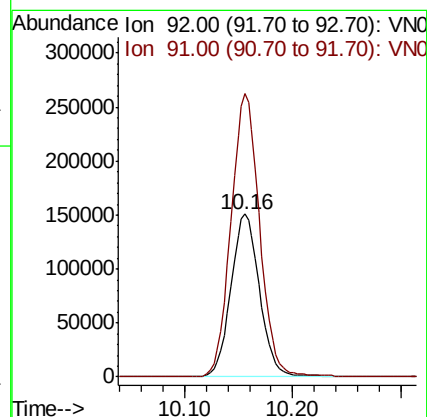
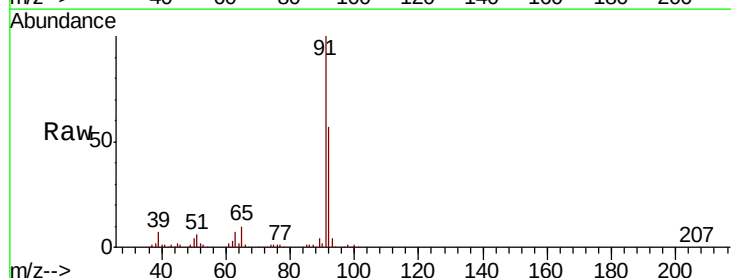
Acq: 19 Sep 2018 16:53

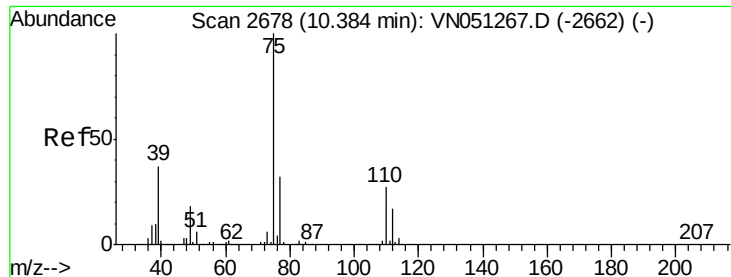
Tgt Ion: 92 Resp: 279902

Ion Ratio Lower Upper

92 100

91 173.5 139.2 208.8





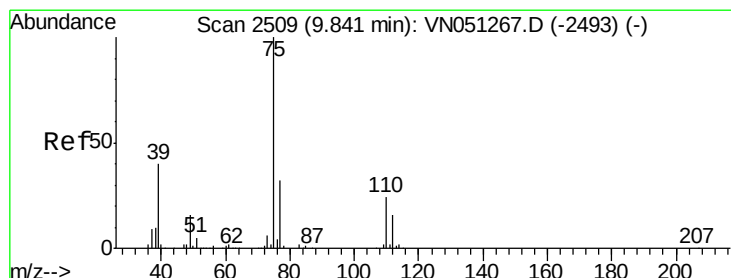
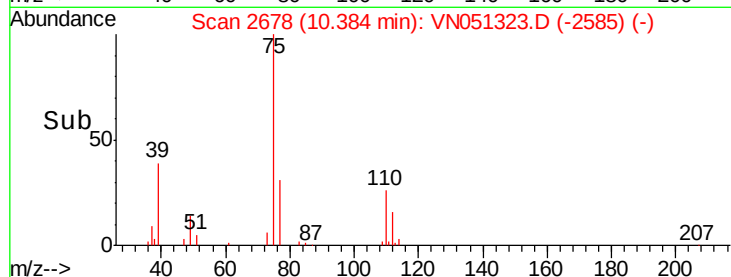
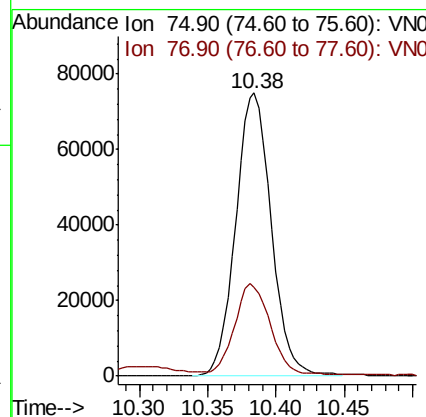
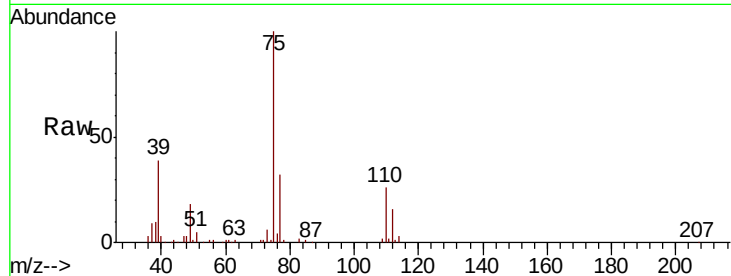
#53
t-1,3-Dichloropropene
Concen: 19.07 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.5	38.3

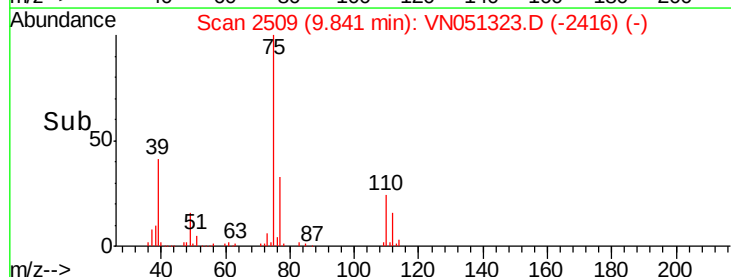
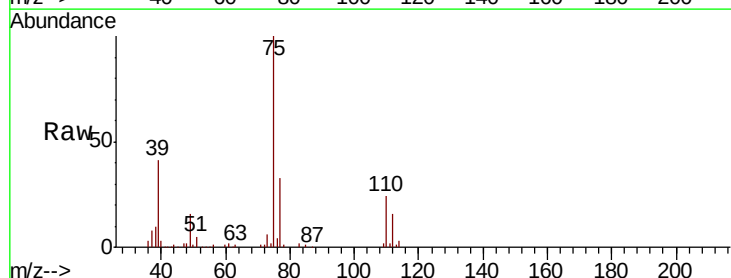
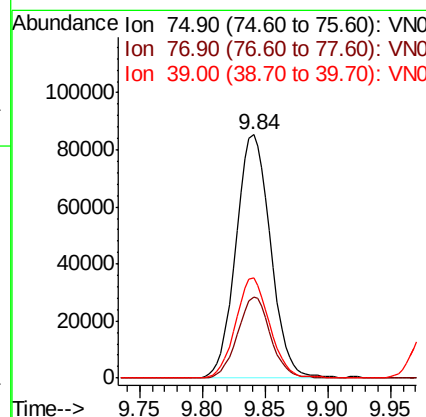
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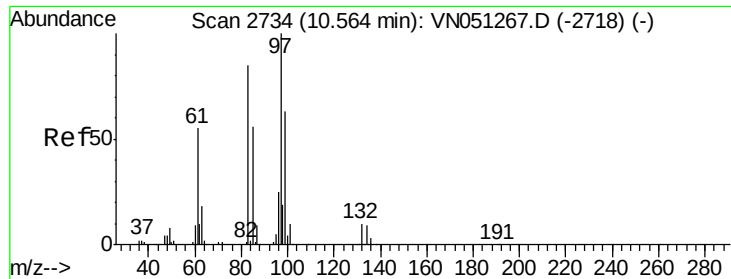
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#54
cis-1,3-Dichloropropene
Concen: 19.24 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.8	38.8
39	41.1	31.8	47.8





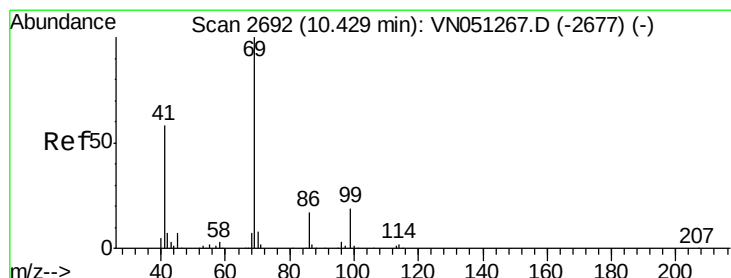
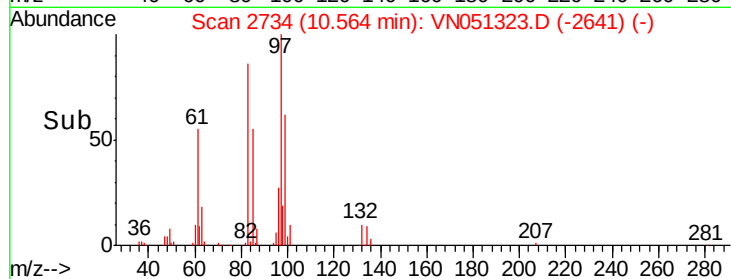
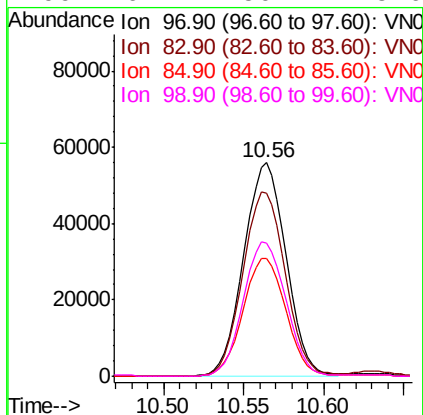
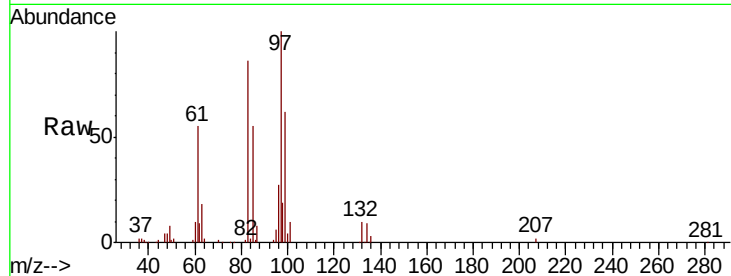
#55
 1,1,2-Trichloroethane
 Concen: 20.52 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion:	97	Resp:	101335
Ion	Ratio	Lower	Upper
97	100		
83	85.9	67.7	101.5
85	54.9	44.5	66.7
99	62.2	50.4	75.6

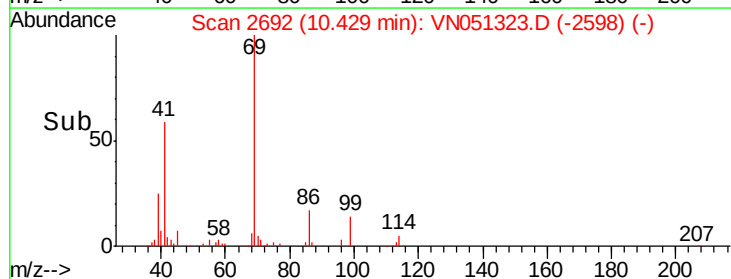
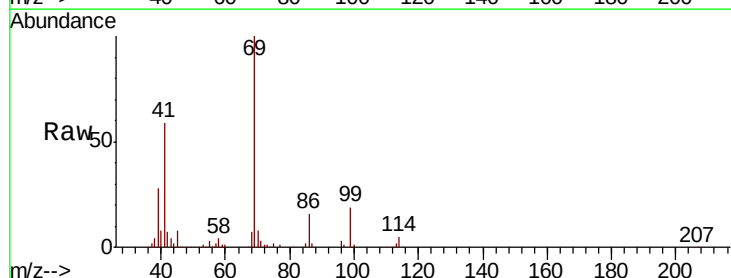
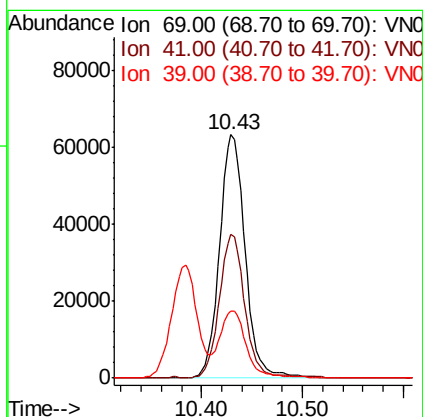
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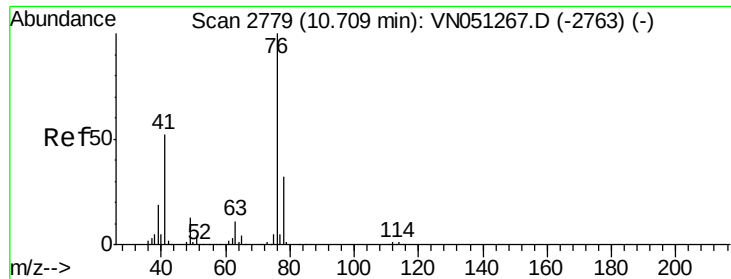
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#56
 Ethyl methacrylate
 Concen: 19.18 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion:	69	Resp:	112186
Ion	Ratio	Lower	Upper
69	100		
41	57.5	47.4	71.0
39	28.1	23.7	35.5





#57

1,3-Dichloropropane

Concen: 20.49 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion: 76 Resp: 164853

Ion Ratio Lower Upper

76 100

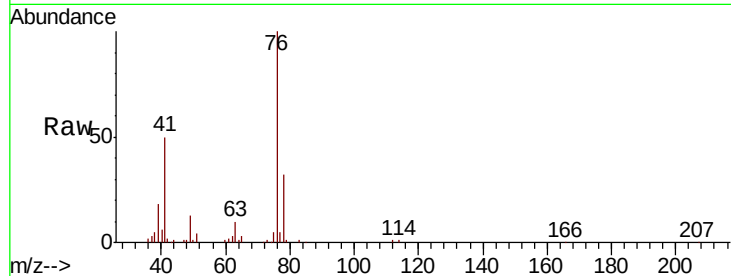
78 32.3 25.8 38.6

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

80000

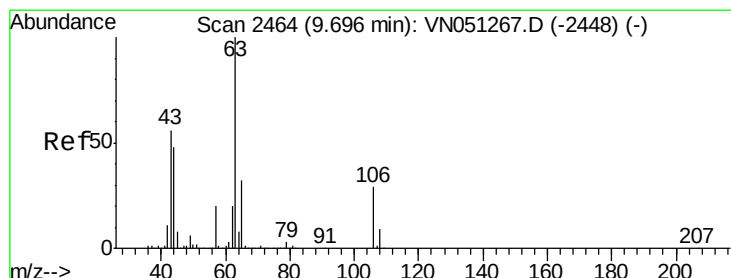
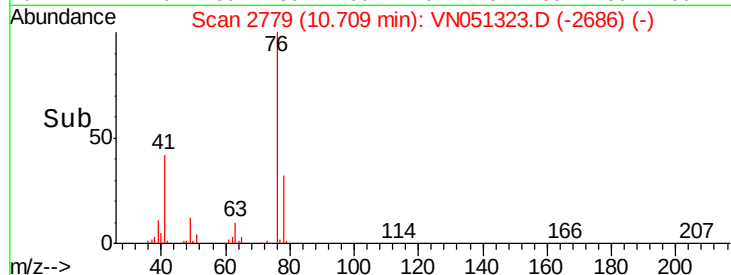
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 92.32 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051323.D

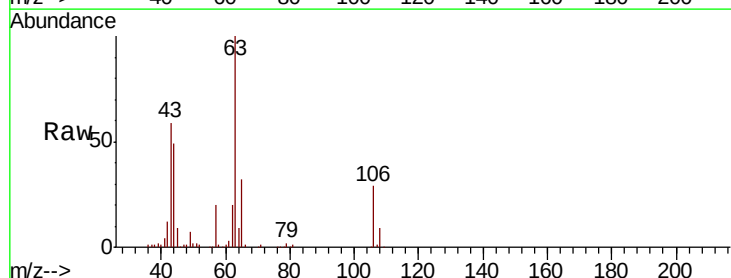
Acq: 19 Sep 2018 16:53

Tgt Ion: 63 Resp: 242314

Ion Ratio Lower Upper

63 100

106 29.1 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

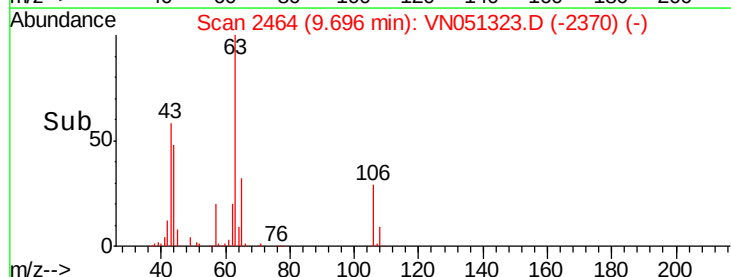
150000

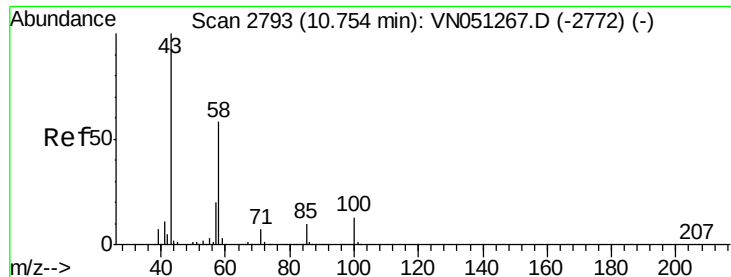
100000

50000

0

Time--> 9.60 9.70 9.80





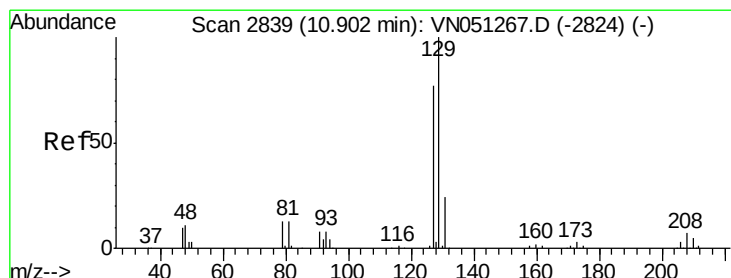
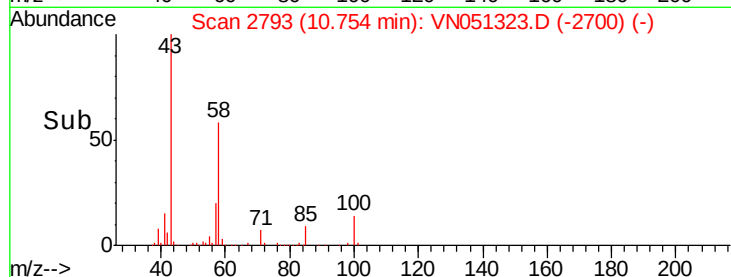
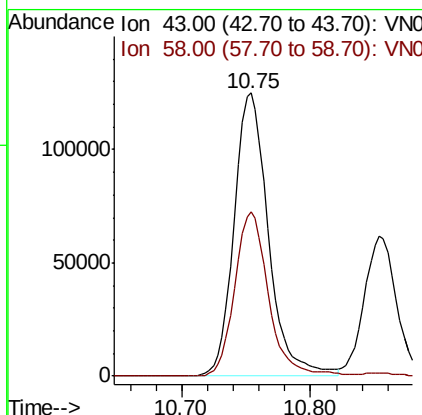
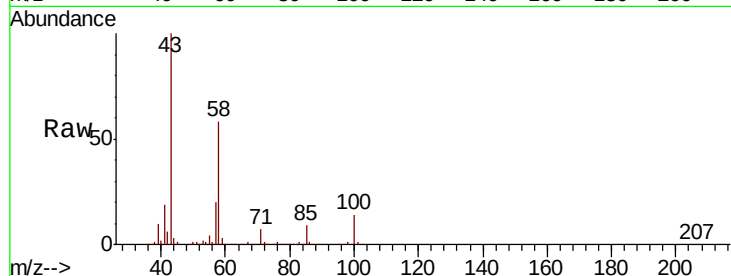
#59
2-Hexanone
Concen: 98.48 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	43	Resp	230763
Ion Ratio	100	Lower	Upper
43	100		
58	57.4	28.9	86.8

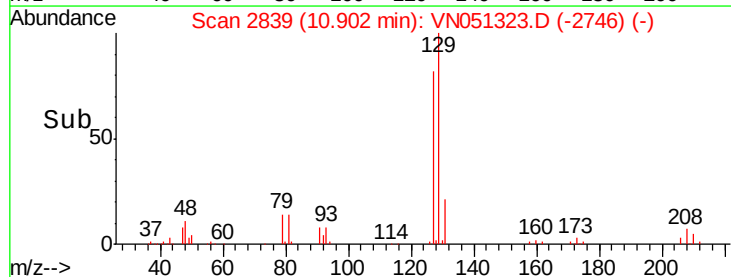
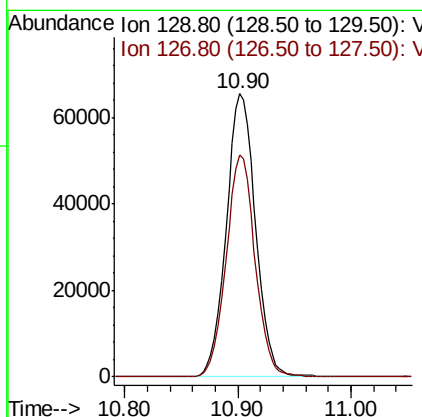
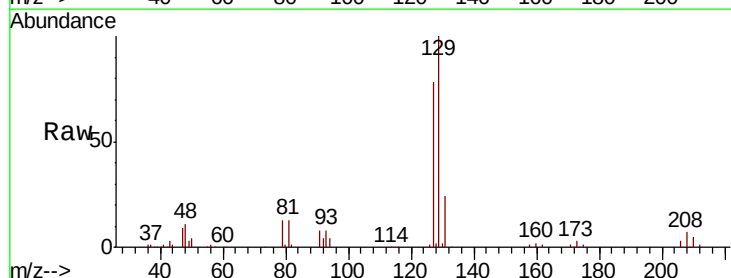
Manual Integrations
APPROVED

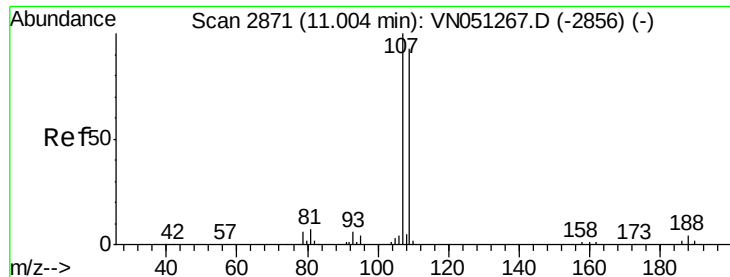
MMDadoda
9/20/2018 1:42:09 PM



#60
Dibromochloromethane
Concen: 20.26 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion	129	Resp	117714
Ion Ratio	100	Lower	Upper
129	100		
127	77.5	38.3	114.9





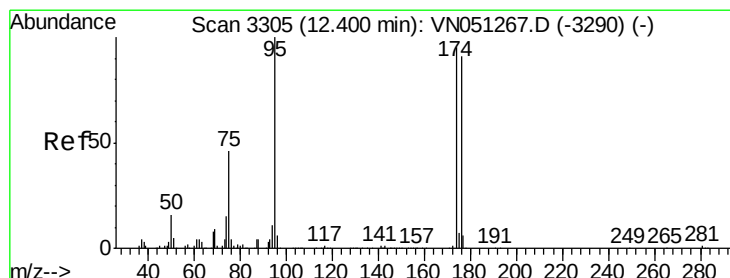
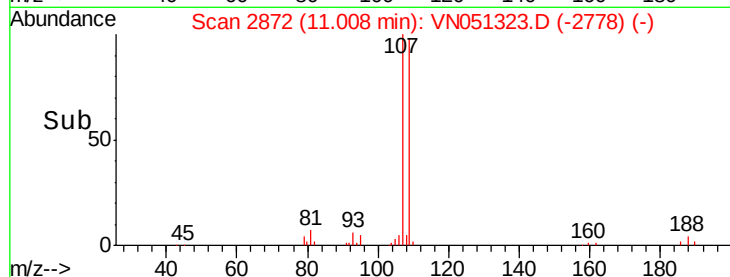
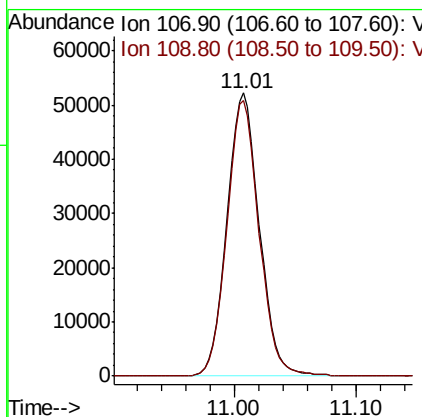
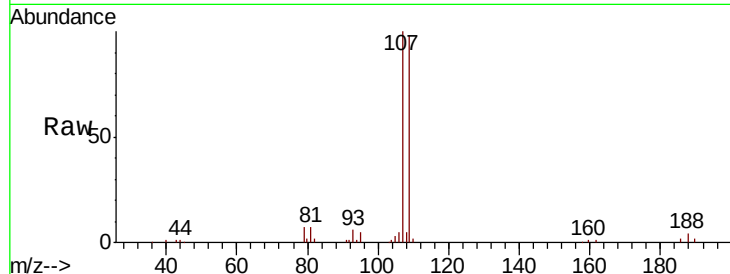
#61
 1,2-Dibromoethane
 Concen: 20.31 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion: 107 Resp: 96413
 Ion Ratio Lower Upper
 107 100
 109 96.9 74.7 112.1

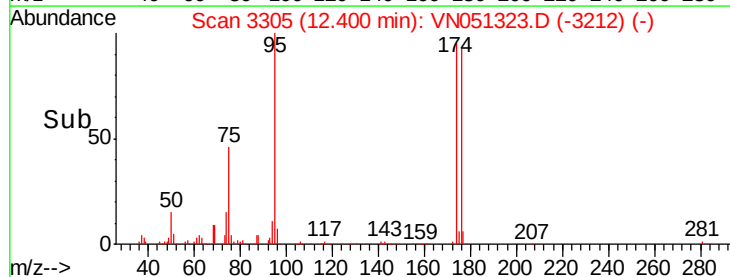
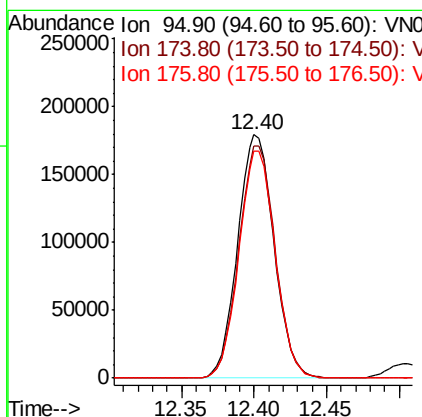
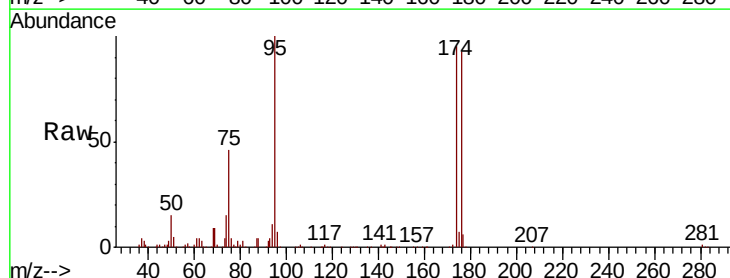
Manual Integrations
 APPROVED

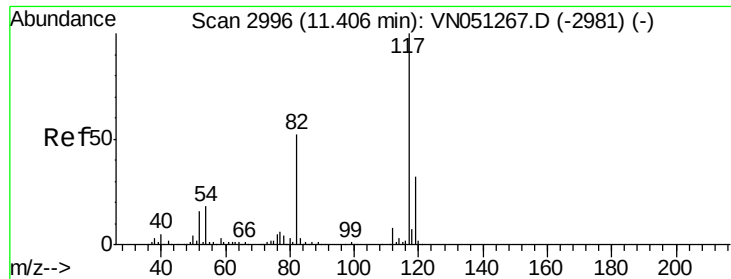
MMDadoda
 9/20/2018 1:42:09 PM



#62
 4-Bromofluorobenzene
 Concen: 47.61 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion: 95 Resp: 311584
 Ion Ratio Lower Upper
 95 100
 174 96.1 0.0 189.6
 176 93.5 0.0 182.6





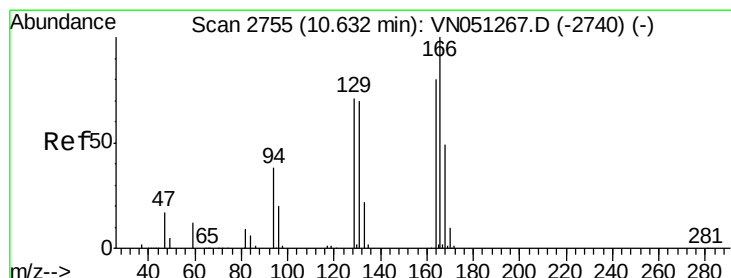
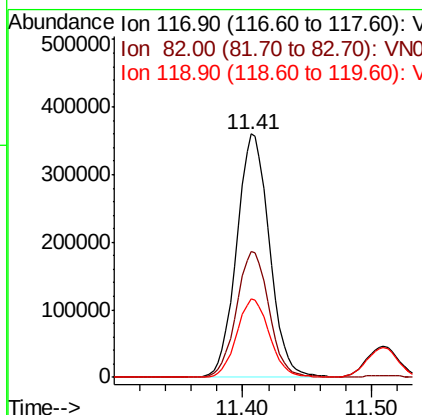
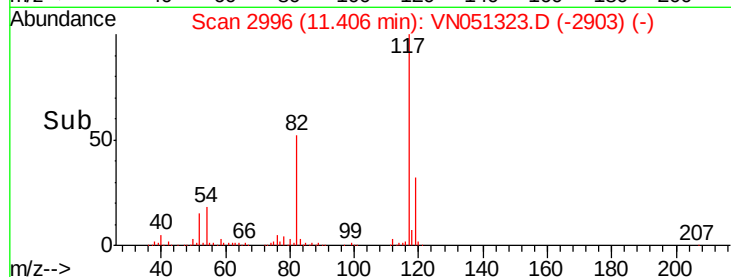
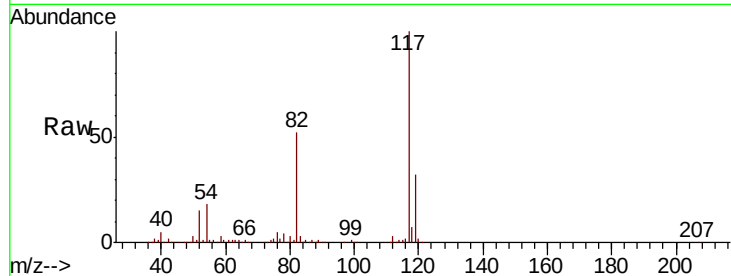
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	637115		
82	51.6		41.8	62.8
119	32.1		25.6	38.4

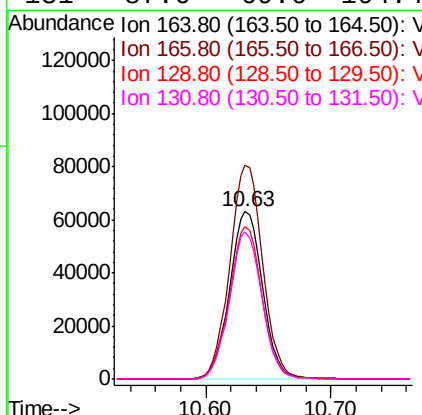
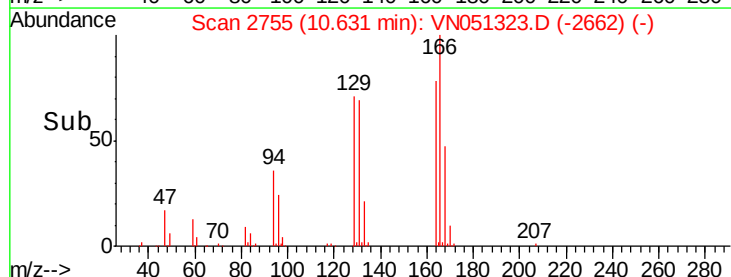
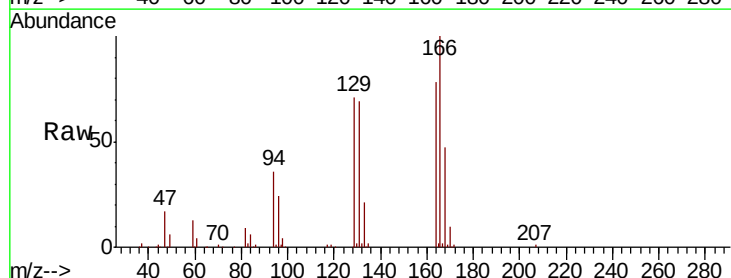
Manual Integrations
APPROVED

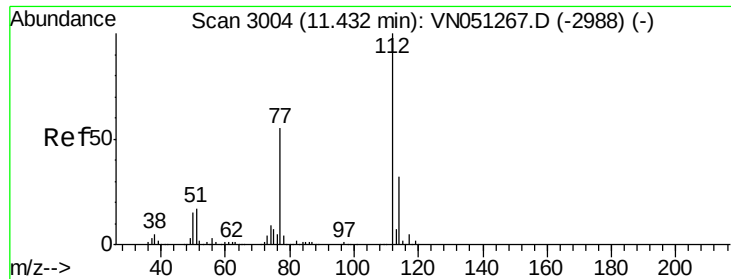
MMDadoda
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#64
Tetrachloroethene
Concen: 19.07 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	115346		
166	127.5		100.0	150.0
129	90.7		70.8	106.2
131	87.6		69.6	104.4





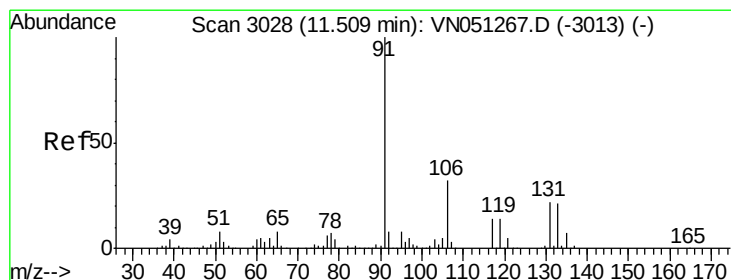
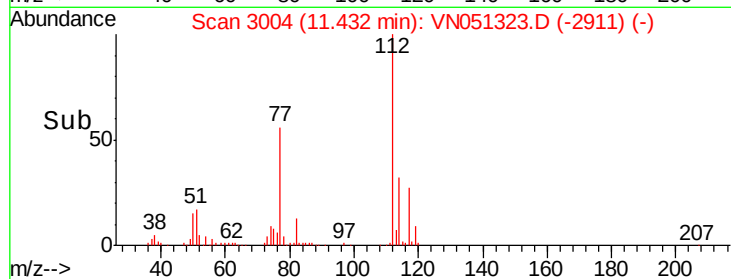
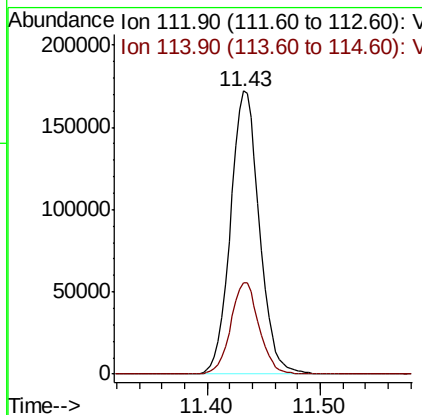
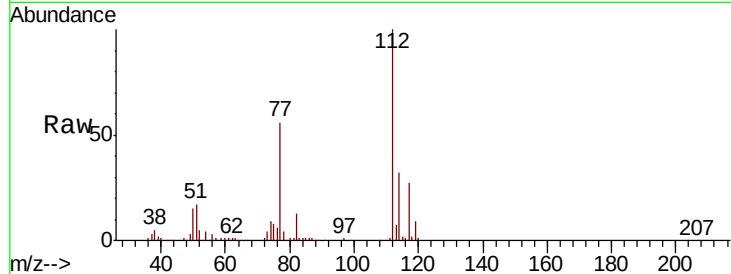
#65
Chlorobenzene
Concen: 19.37 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.9	38.9

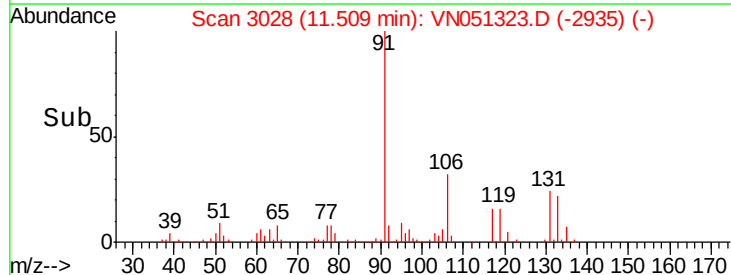
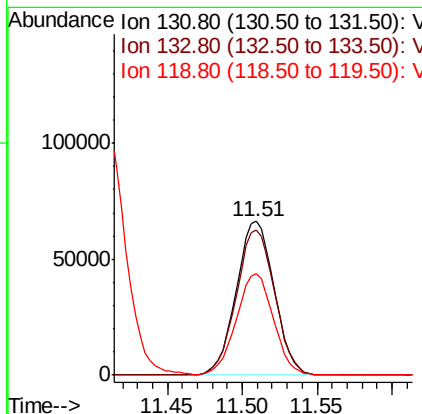
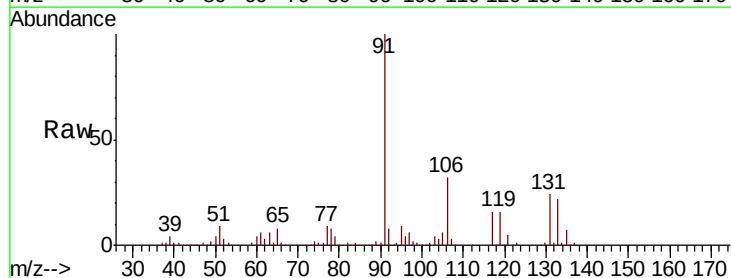
Manual Integrations
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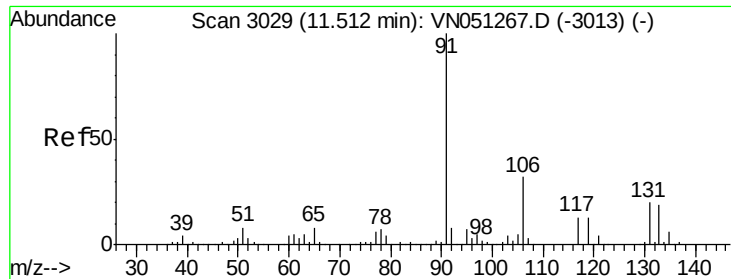
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.65 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.9	143.7
119	64.5	32.6	98.0





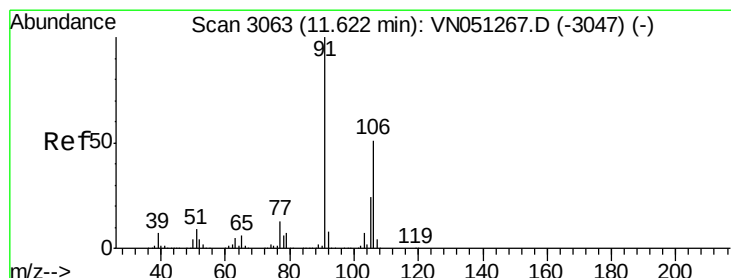
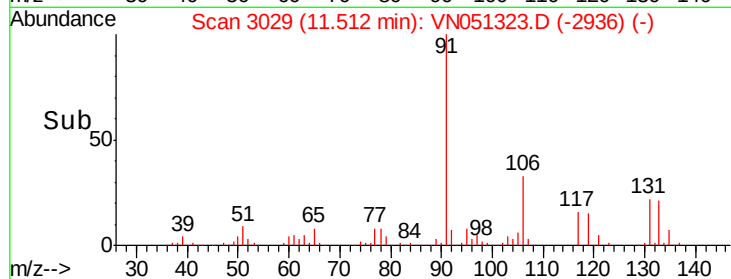
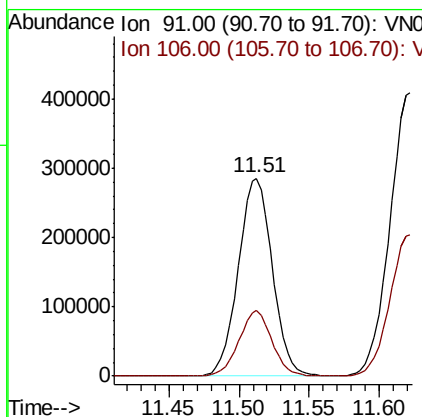
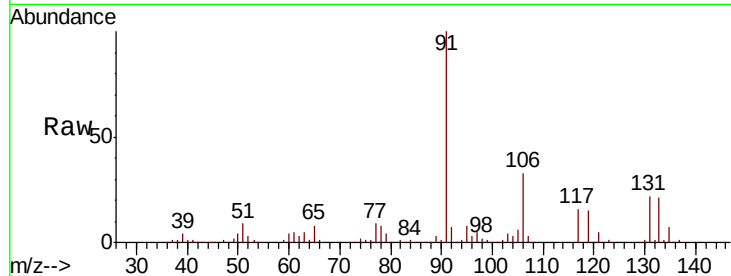
#67
Ethyl Benzene
Concen: 19.28 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampled :
VN0919WBSD02

Tot Ion: 91 Resp: 484296
Ion Ratio Lower Upper
91 100
106 33.0 25.7 38.5

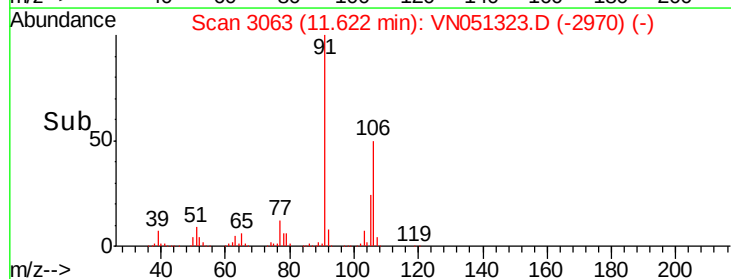
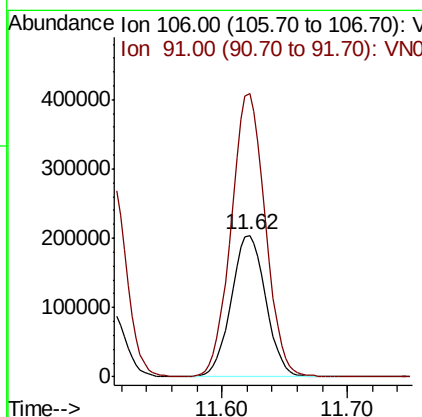
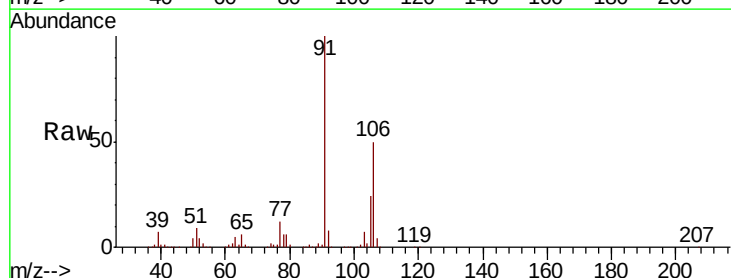
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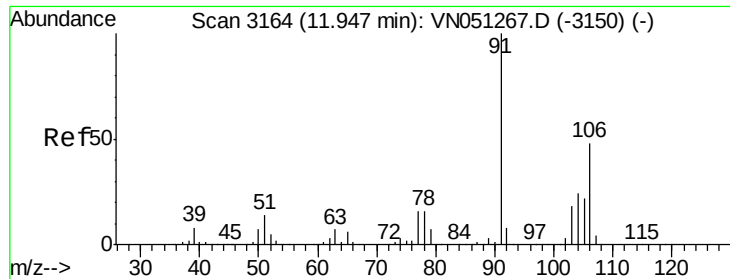
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#68
m/p-Xylenes
Concen: 39.94 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion: 106 Resp: 389627
Ion Ratio Lower Upper
106 100
91 197.7 158.6 238.0





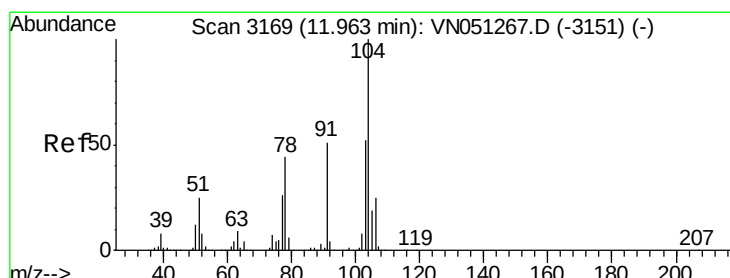
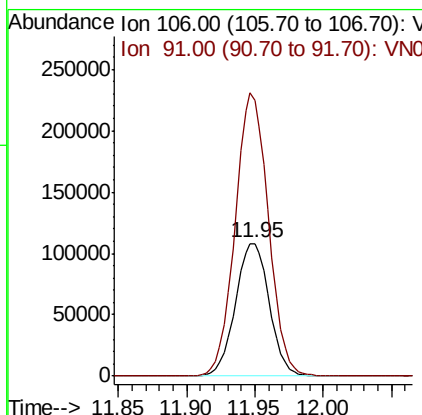
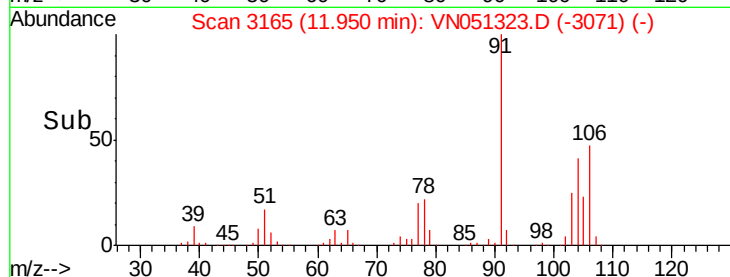
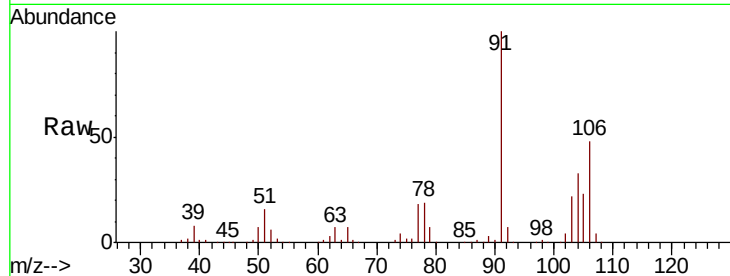
#69
o-Xylene
Concen: 20.00 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampled :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.7	104.1	312.3

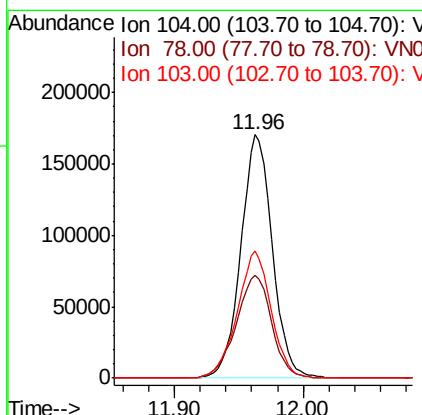
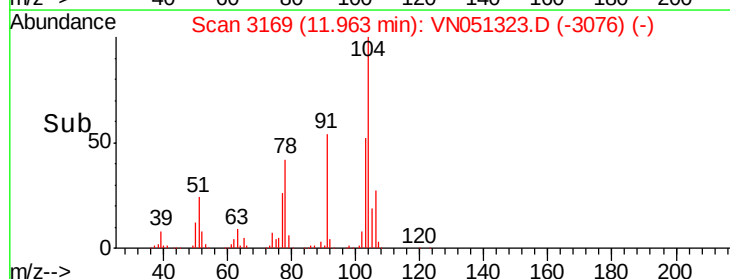
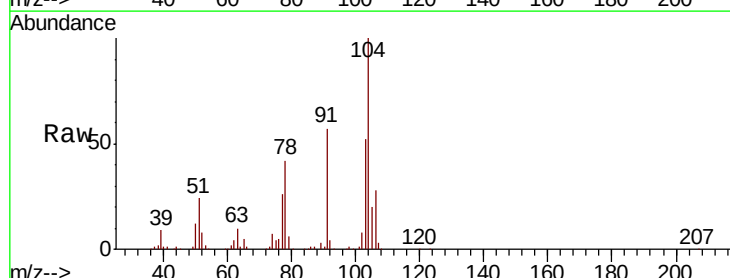
Manual Integrations
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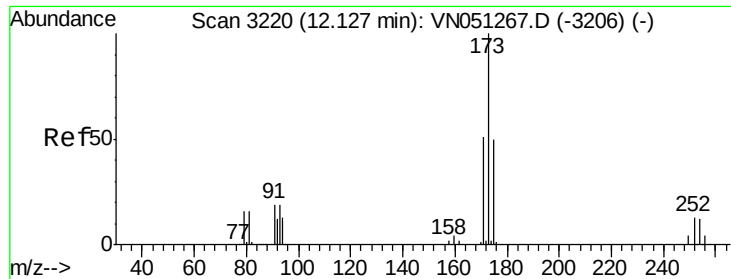
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#70
Styrene
Concen: 18.41 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	38.1	57.1
103	56.1	44.8	67.2





#71

Bromoform

Concen: 20.26 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion:173 Resp: 80177

Ion Ratio Lower Upper

173 100

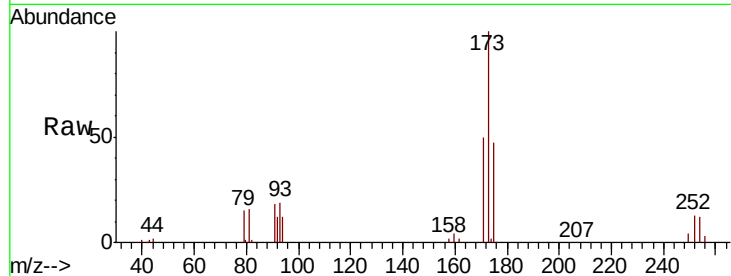
175 48.6 24.4 73.2

254 0.0 0.1 0.1#

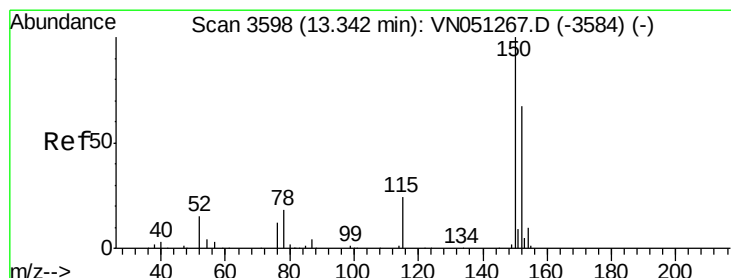
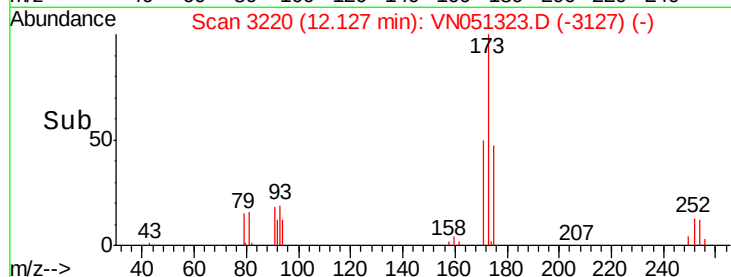
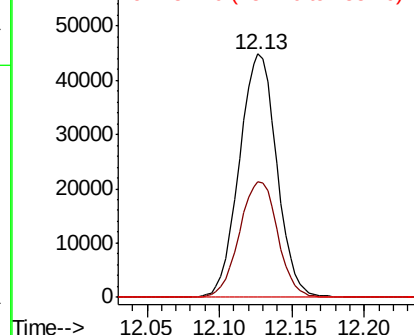
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

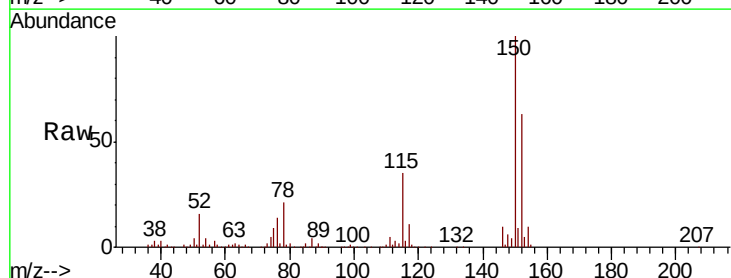
Tgt Ion:152 Resp: 295232

Ion Ratio Lower Upper

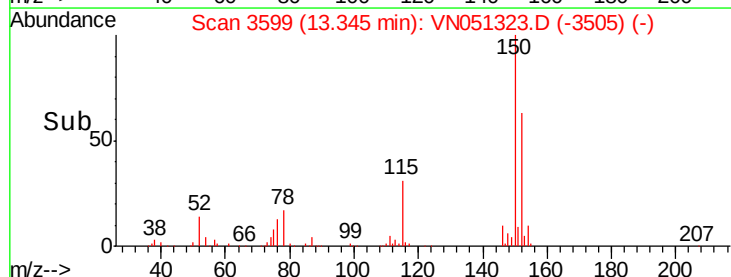
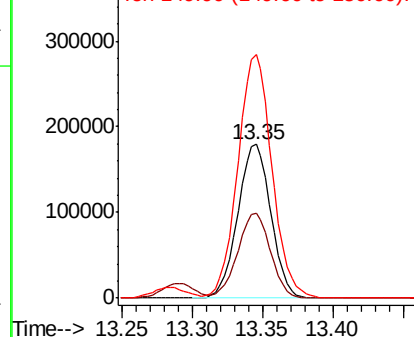
152 100

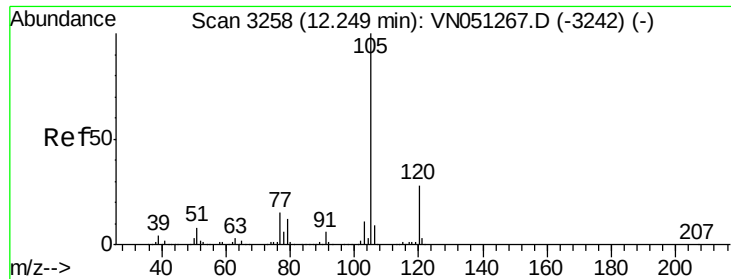
115 54.7 27.1 81.2

150 163.5 0.0 349.0



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: 19.52 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion: 105 Resp: 486125

Ion Ratio Lower Upper

105 100

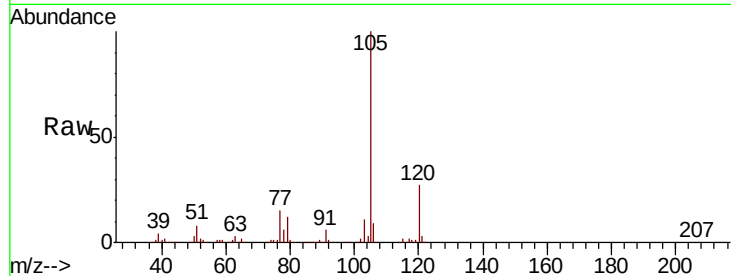
120 27.4 13.8 41.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

300000

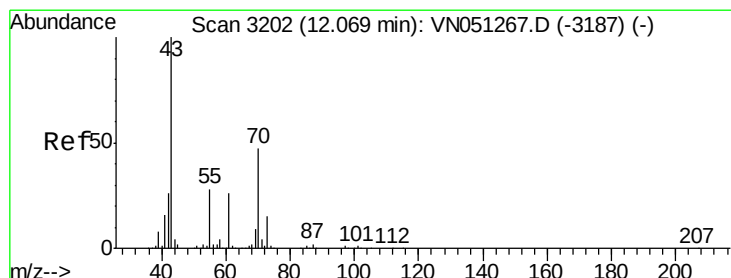
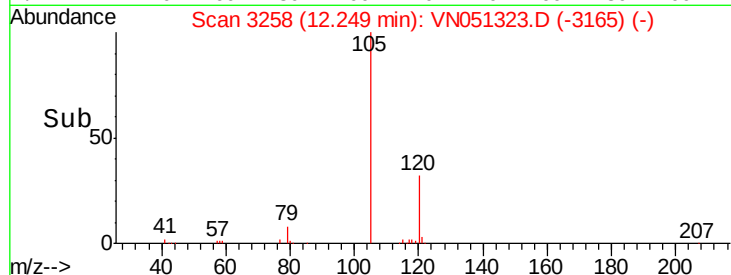
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 18.74 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Tgt Ion: 43 Resp: 95760

Ion Ratio Lower Upper

43 100

70 47.2 37.8 56.6

55 29.0 22.6 34.0

61 26.7 20.9 31.3

Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

80000

60000

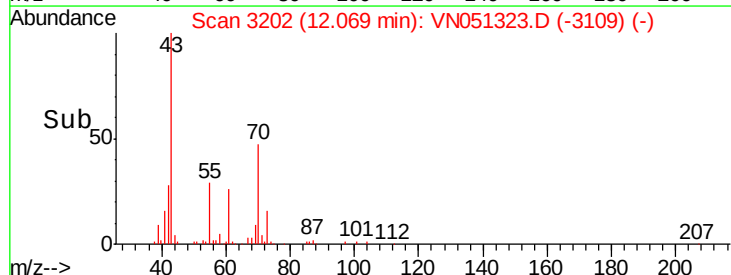
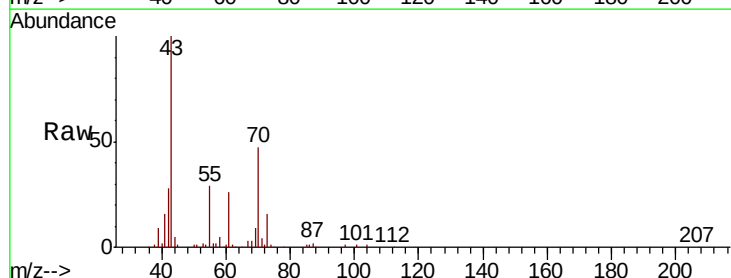
40000

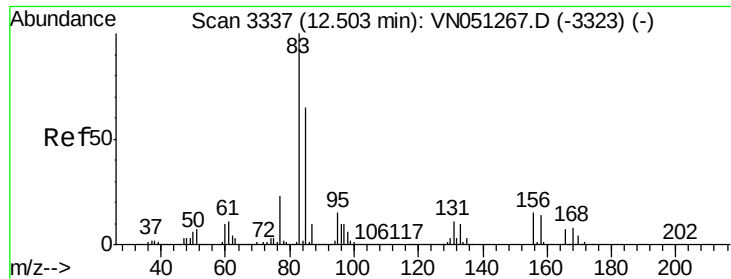
20000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 21.47 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

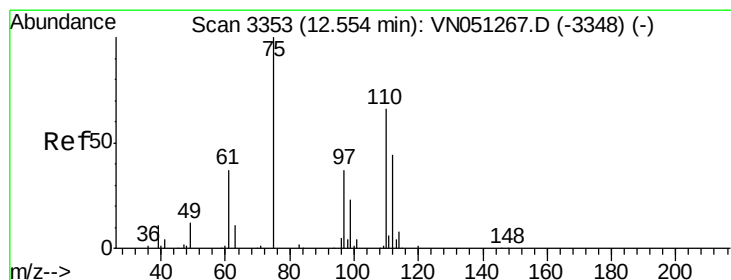
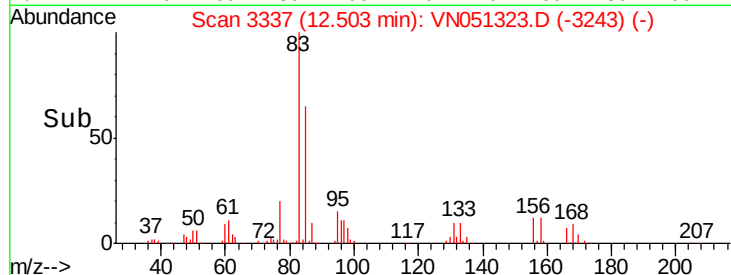
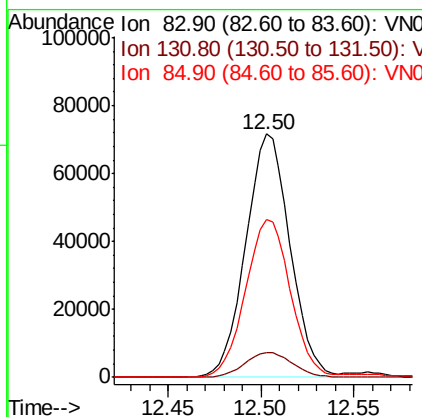
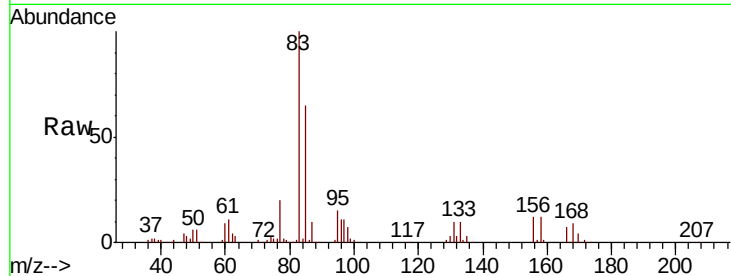
ClientSampleId :

VN0919WBSD02

Tot Ion:	83	Resp:	119660
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.7
85	65.6	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.06 ug/l m

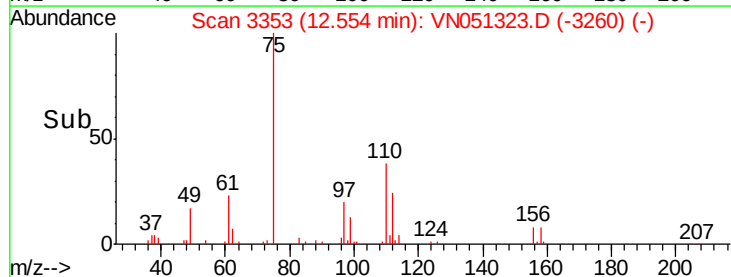
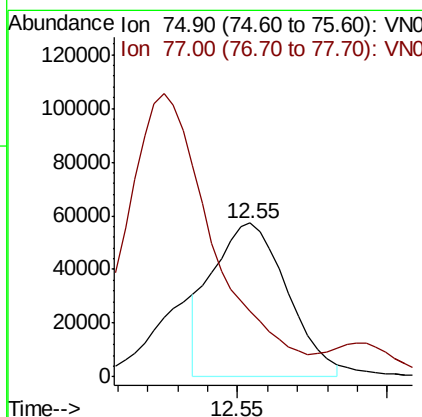
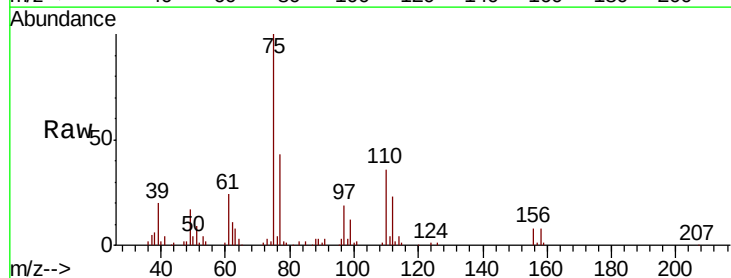
RT: 12.55 min Scan# 3353

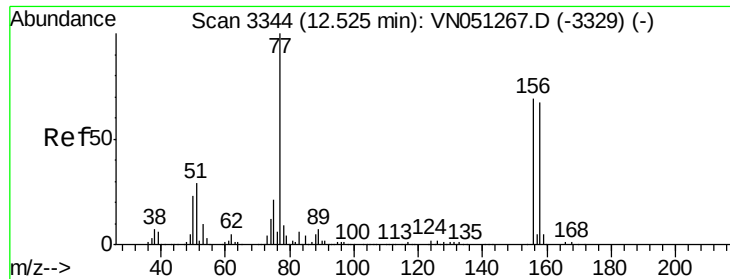
Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Tgt Ion:	75	Resp:	99150
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.91 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

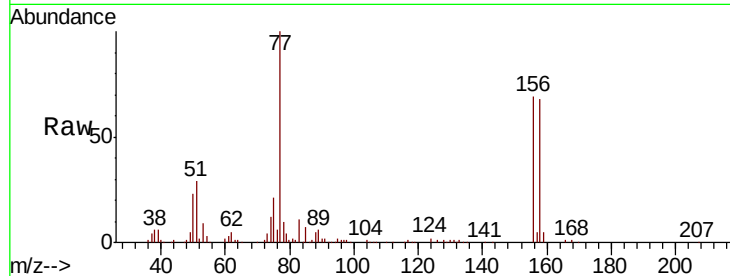
ClientSampleId :

VN0919WBSD02

Tot Ion:	156	Resp:	127324
Ion Ratio	Lower	Upper	
156	100		
77	168.4	83.7	251.1
158	99.1	49.0	147.2

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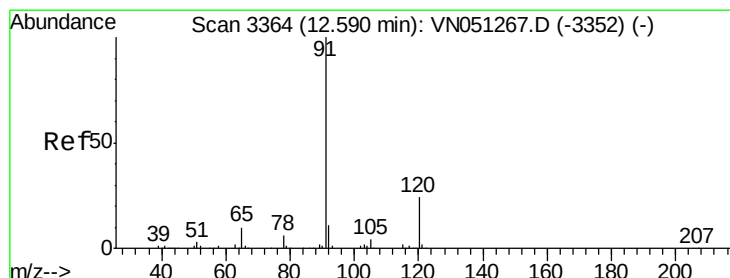
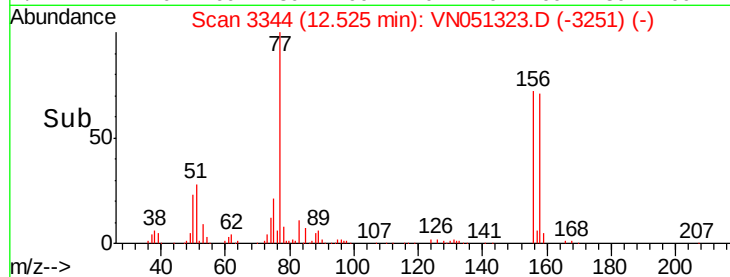
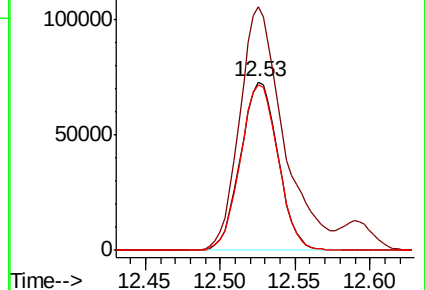
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.28 ug/l

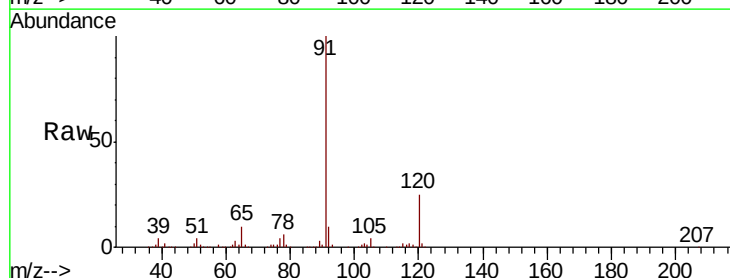
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051323.D

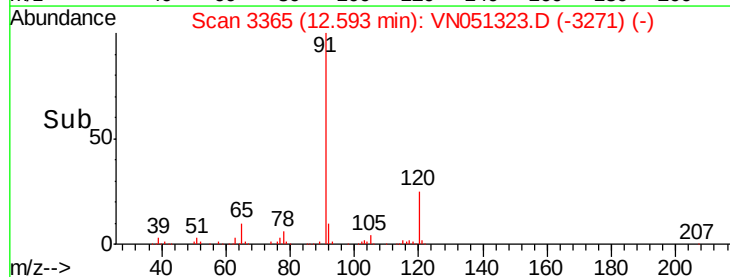
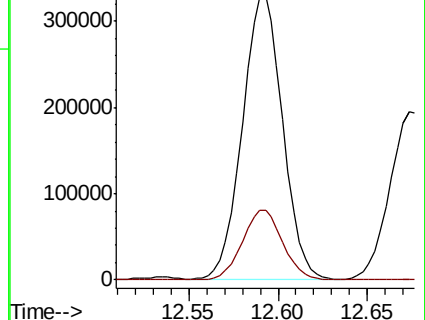
Acq: 19 Sep 2018 16:53

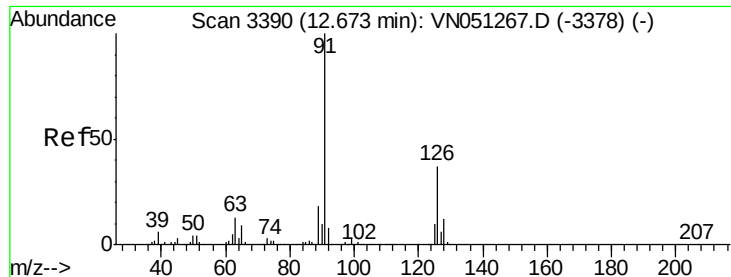
Tgt Ion:	91	Resp:	517675
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.09 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion: 91 Resp: 325909

Ion Ratio Lower Upper

91 100

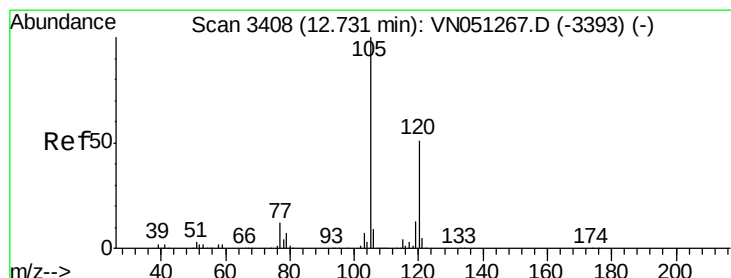
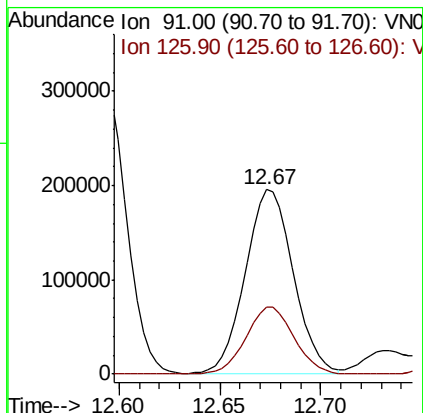
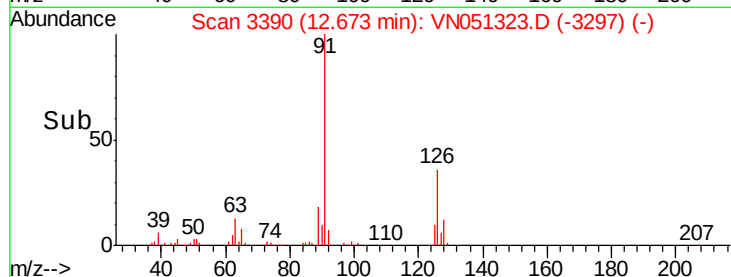
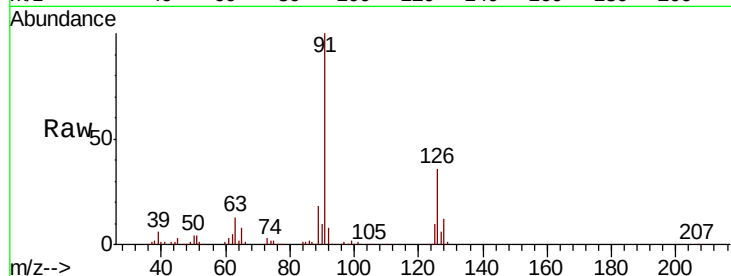
126 36.6 18.2 54.6

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#80

1,3,5-Trimethylbenzene

Concen: 20.10 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051323.D

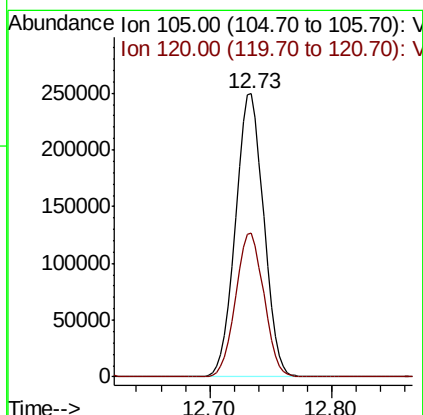
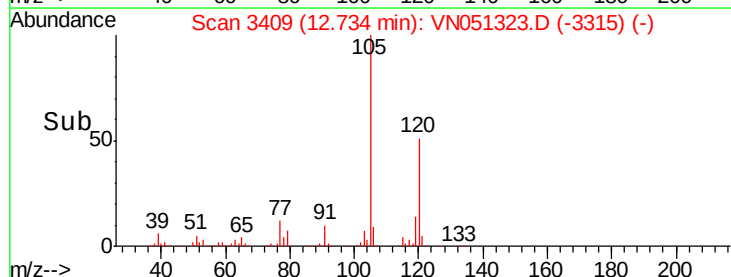
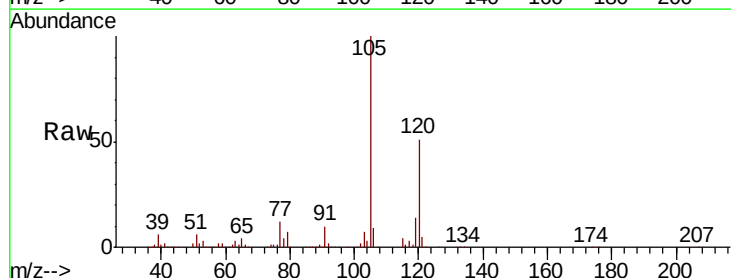
Acq: 19 Sep 2018 16:53

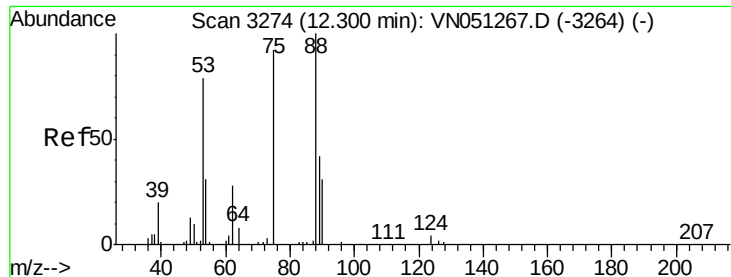
Tgt Ion: 105 Resp: 400042

Ion Ratio Lower Upper

105 100

120 50.8 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.23 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion: 75 Resp: 25568

Ion Ratio Lower Upper

75 100

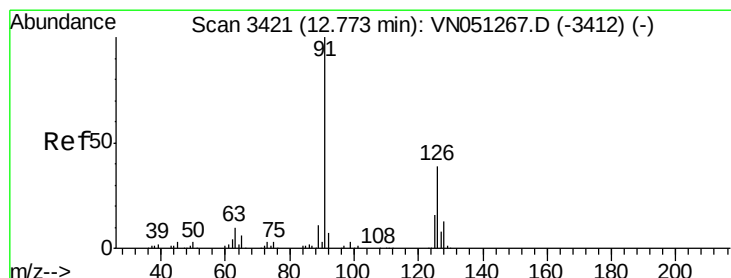
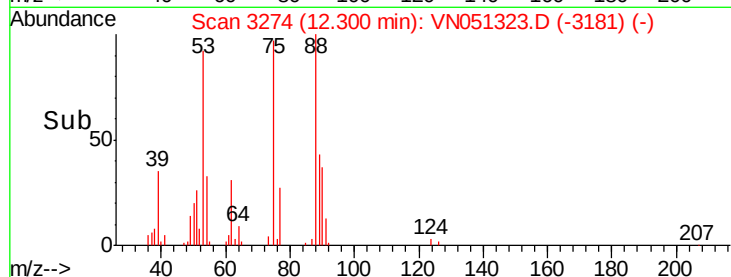
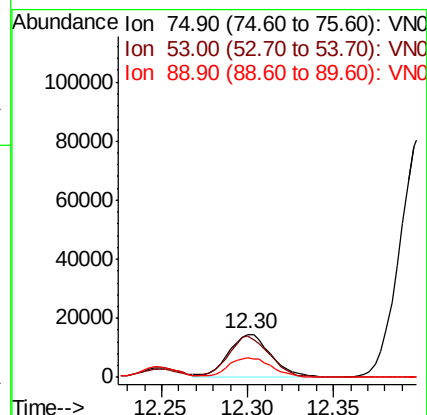
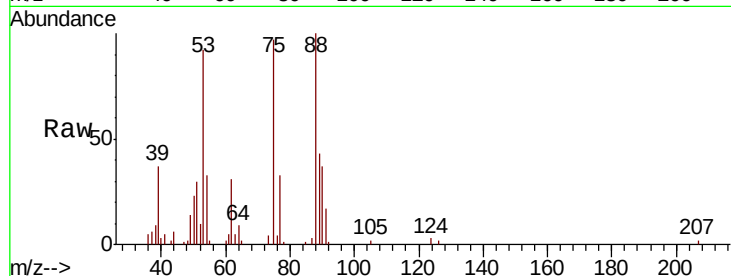
53 90.9 67.7 101.5

89 45.8 36.9 55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.31 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051323.D

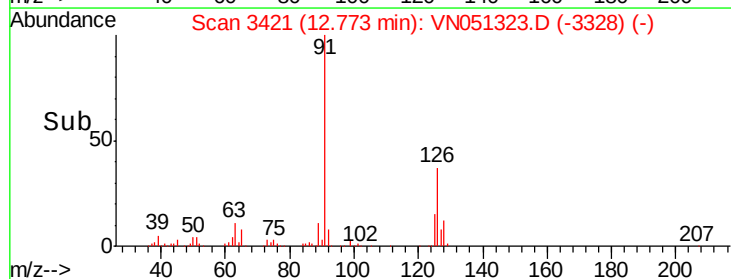
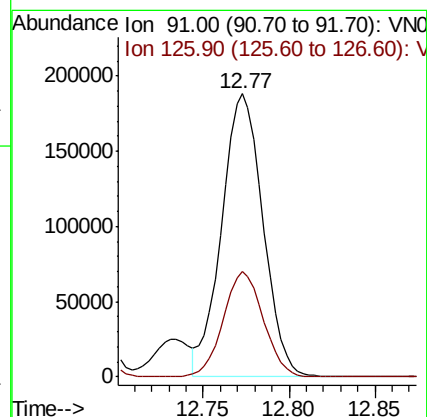
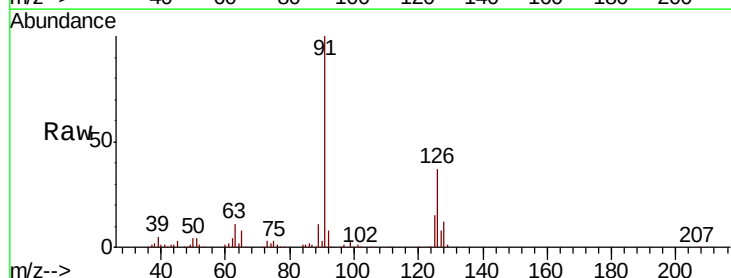
Acq: 19 Sep 2018 16:53

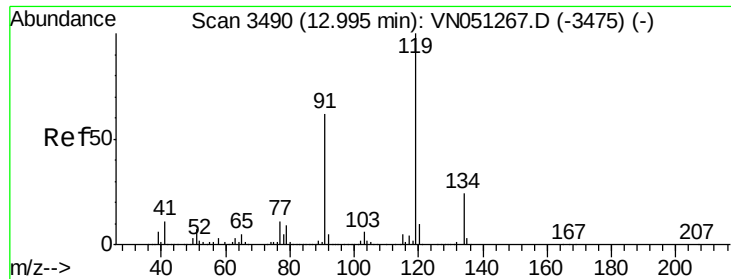
Tgt Ion: 91 Resp: 313572

Ion Ratio Lower Upper

91 100

126 36.1 17.9 53.8





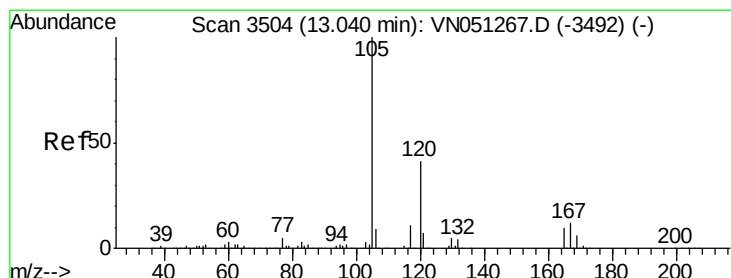
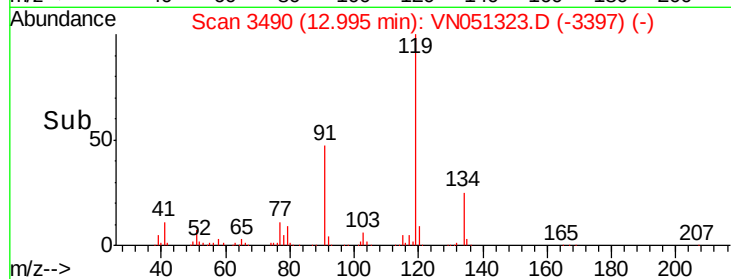
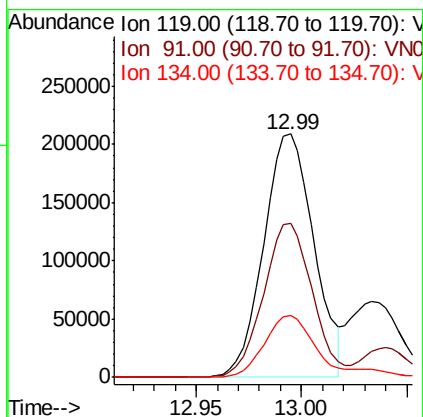
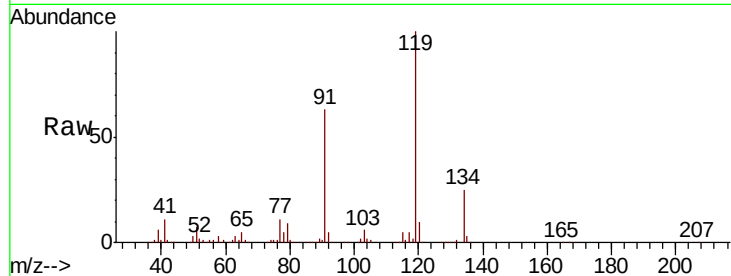
#83
 tert-Butylbenzene
 Concen: 19.70 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	346528		
91	61.2		30.8	92.4
134	25.3		12.4	37.0

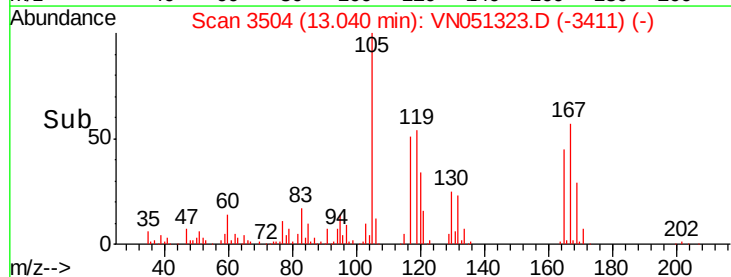
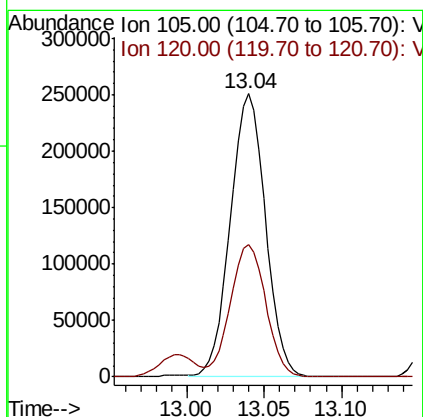
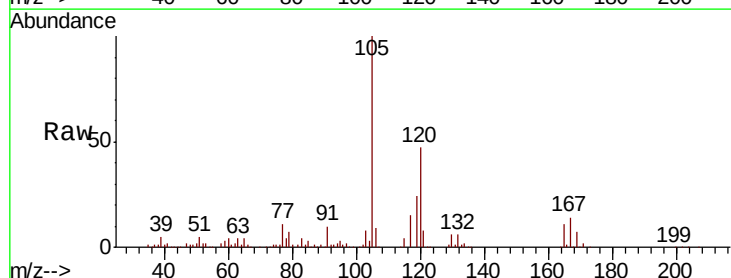
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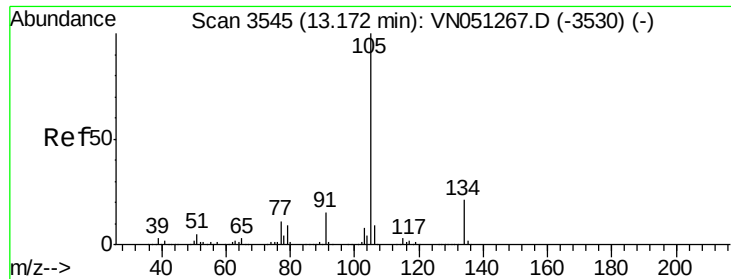
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.38 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	394041		
120	47.4		23.5	70.6





#85

sec-Butylbenzene

Concen: 19.77 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion:105 Resp: 441575

Ion Ratio Lower Upper

105 100

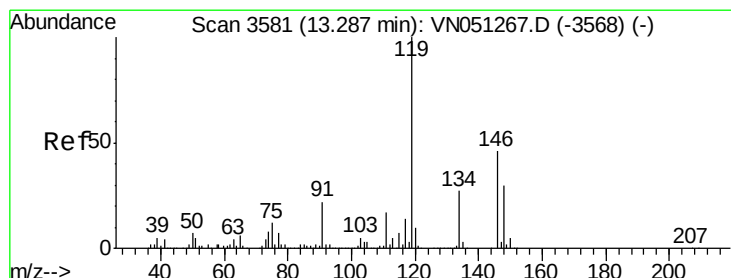
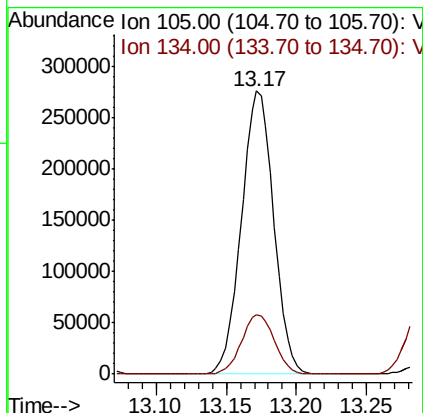
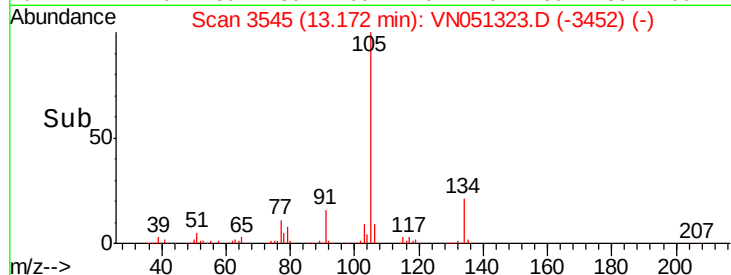
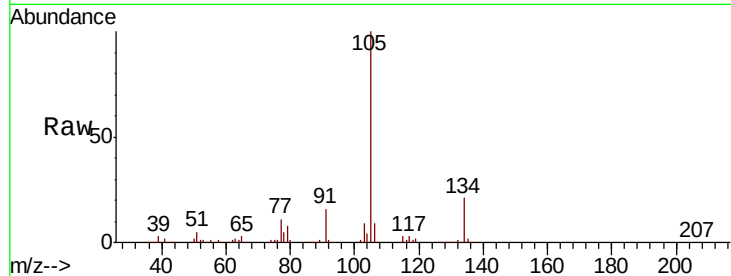
134 21.3 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 20.28 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

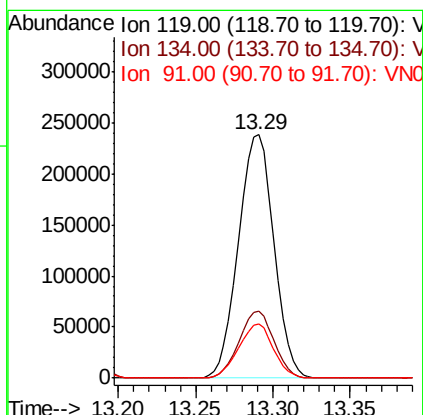
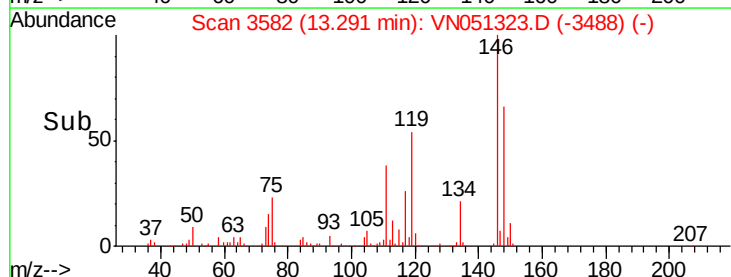
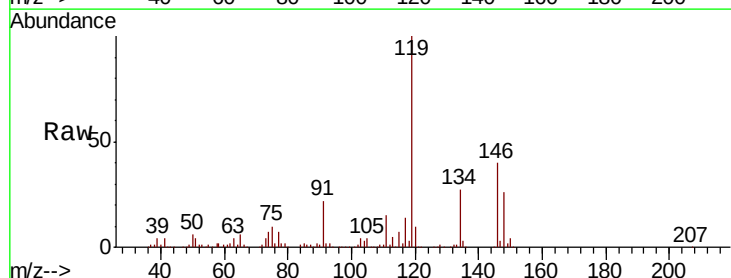
Tgt Ion:119 Resp: 379907

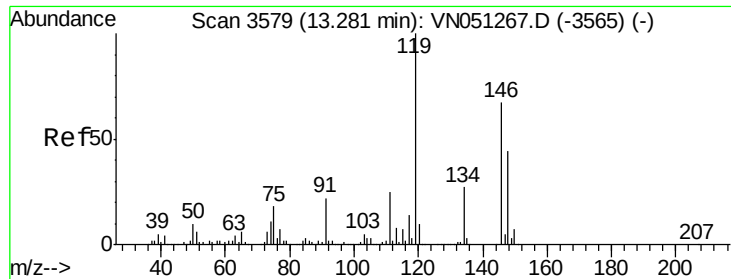
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

91 21.7 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 18.49 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Instrument :

MSVOA_N

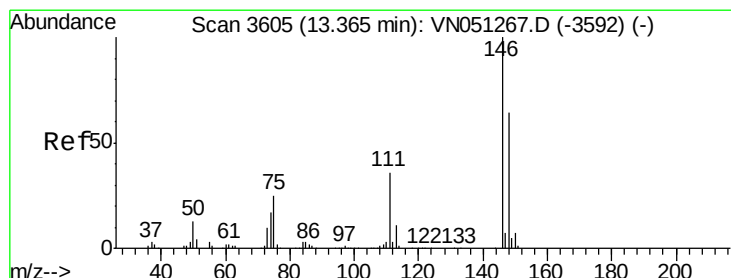
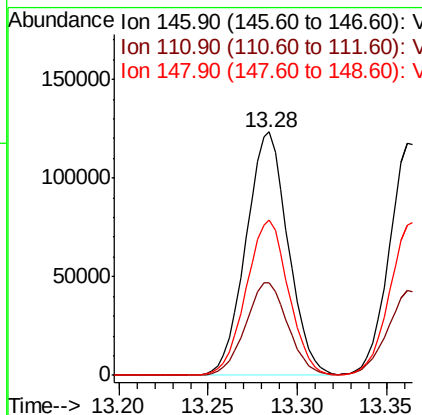
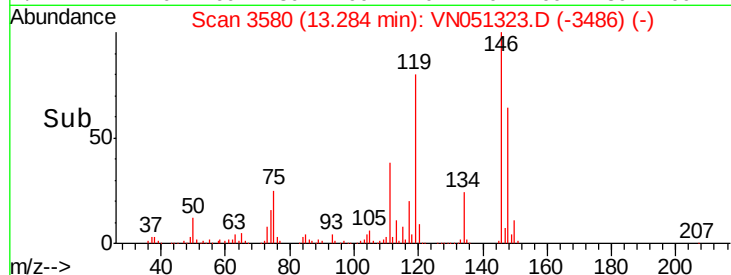
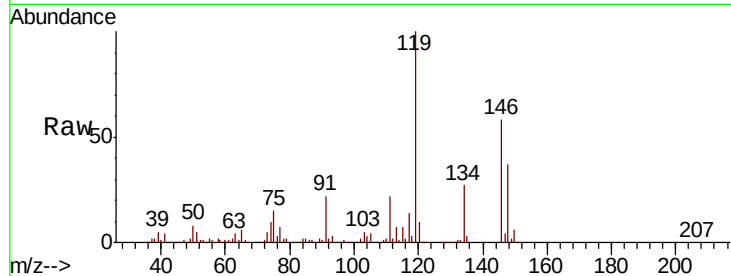
ClientSampleId :

VN0919WBSD02

Tot Ion:	146	Resp:	203336
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.7	56.1
148	64.2	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 18.89 ug/l

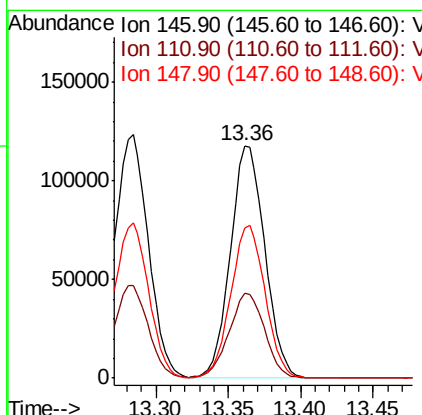
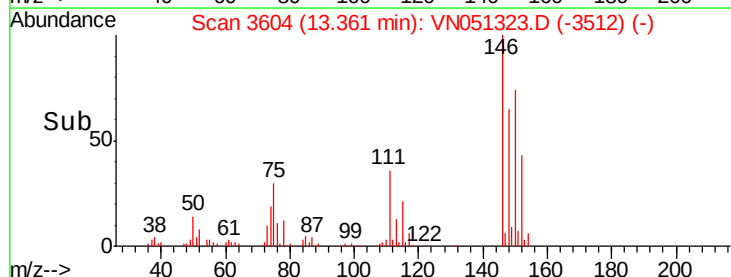
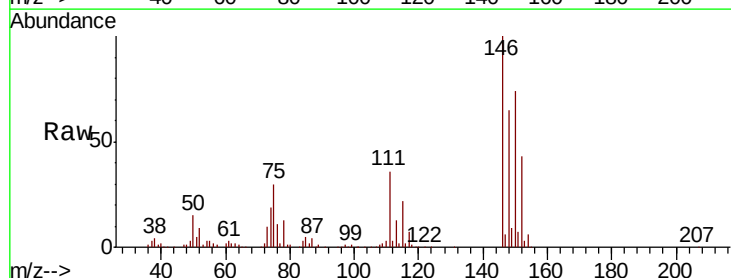
RT: 13.36 min Scan# 3604

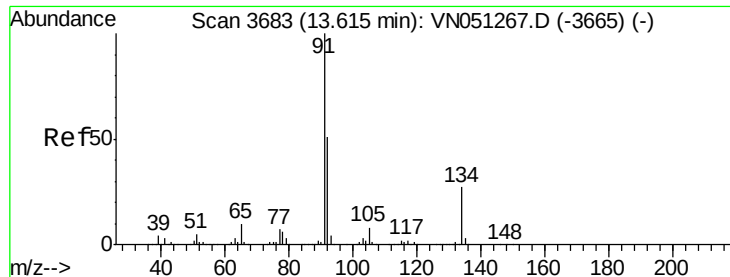
Delta R.T. -0.00 min

Lab File: VN051323.D

Acq: 19 Sep 2018 16:53

Tgt Ion:	146	Resp:	194114
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.2	54.6
148	65.6	31.9	95.7





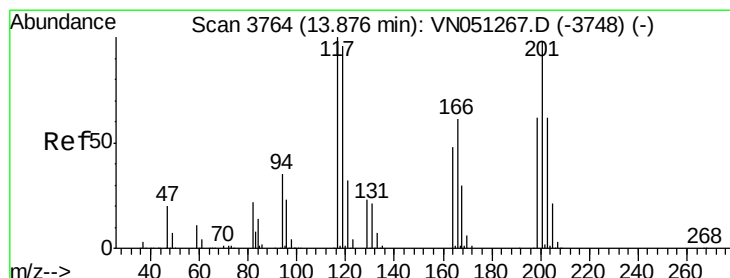
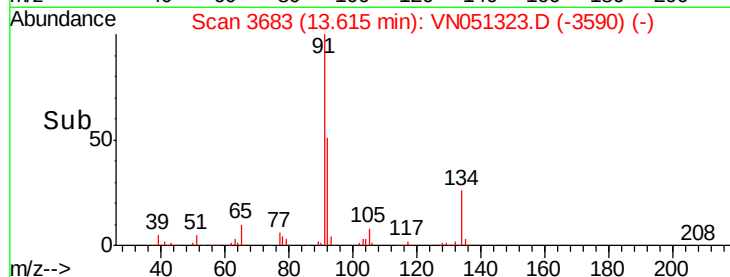
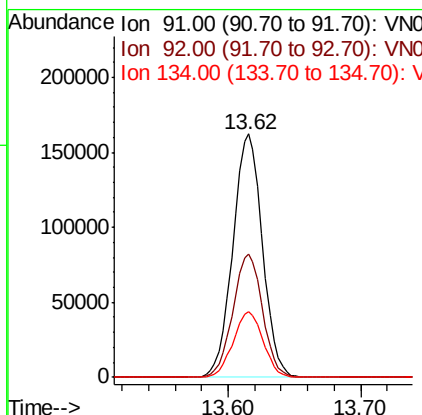
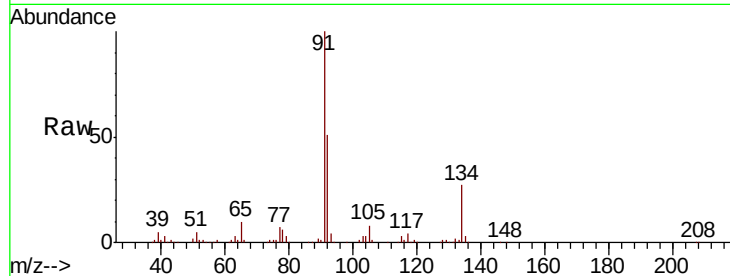
#89
n-Butylbenzene
Concen: 17.66 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.8	77.4
134	27.3	13.7	41.0

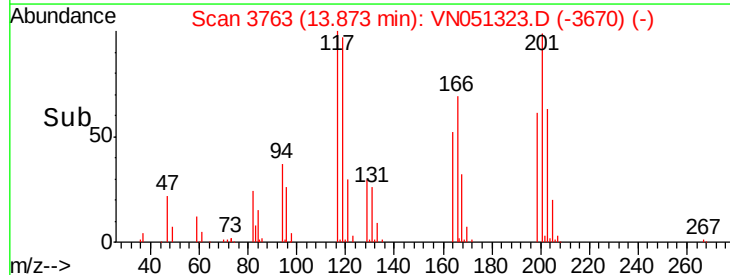
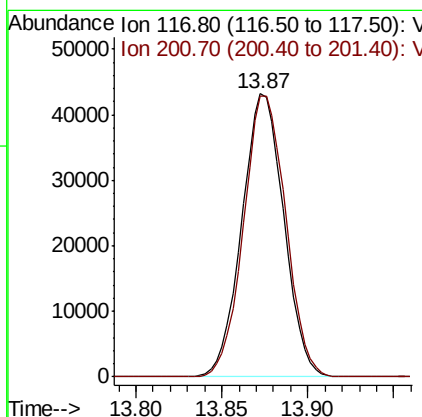
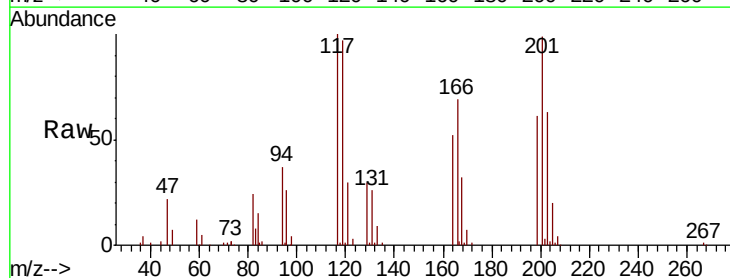
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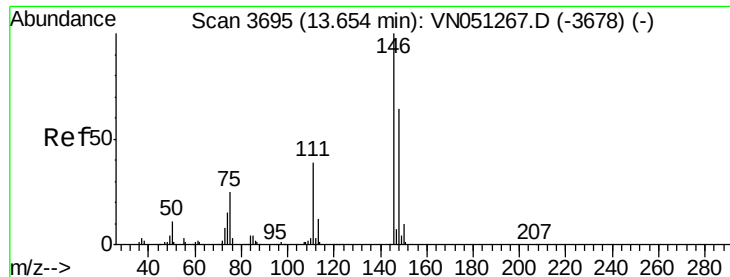
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#90
Hexachloroethane
Concen: 19.47 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.8	48.4	145.3





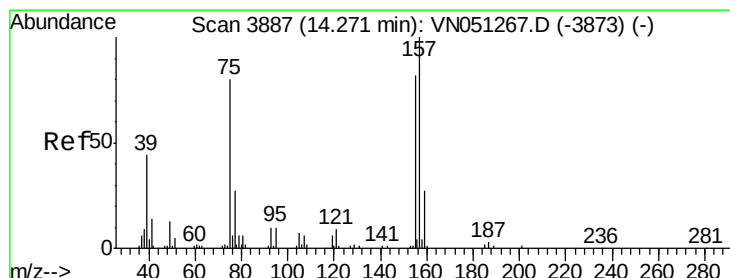
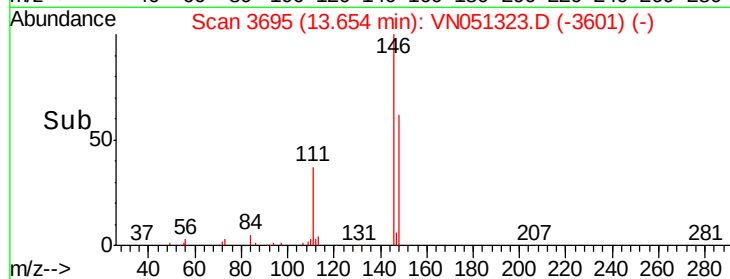
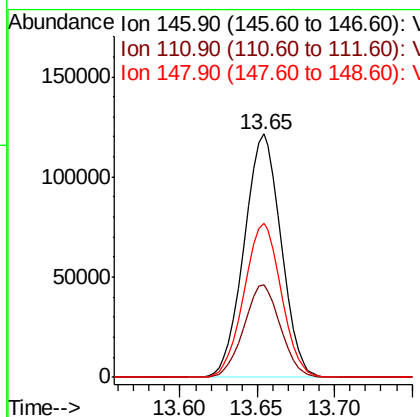
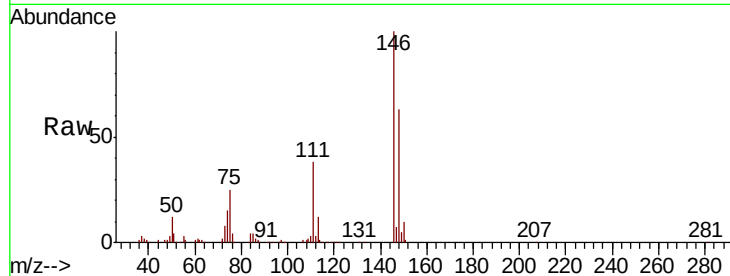
#91
 1,2-Dichlorobenzene
 Concen: 19.64 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.6	58.7
148	63.6	31.9	95.9

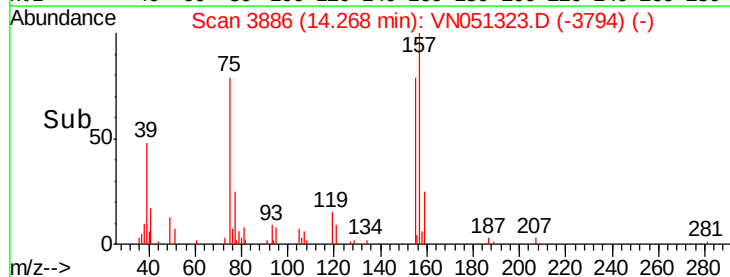
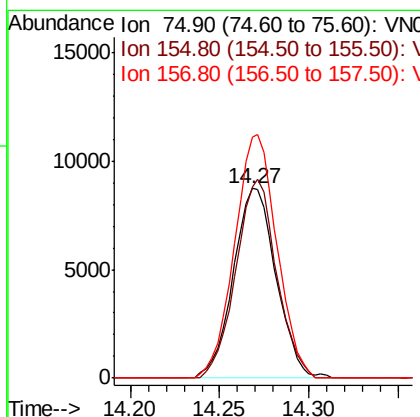
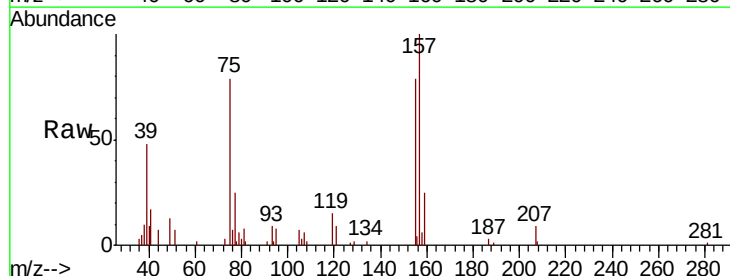
Manual Integrations
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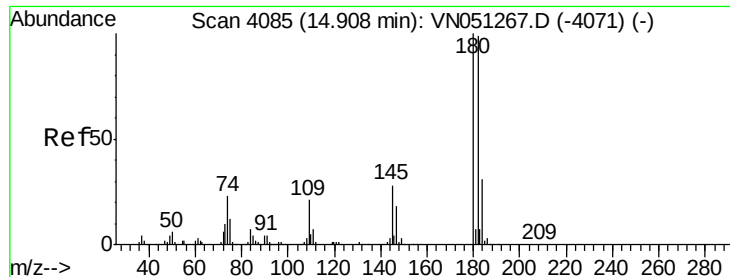
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.30 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	50.2	150.7
157	126.5	62.9	188.7





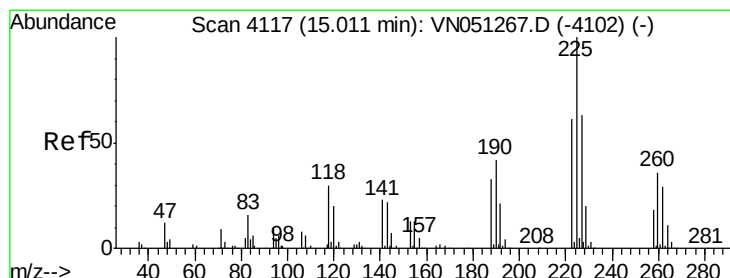
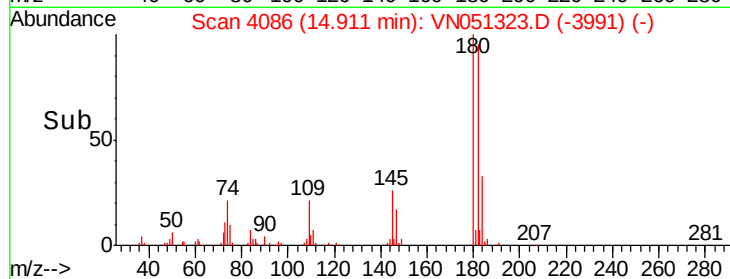
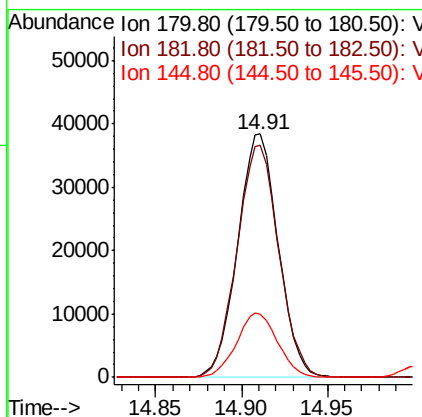
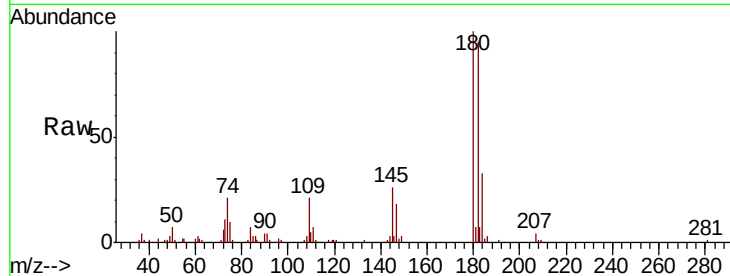
#93
 1,2,4-Trichlorobenzene
 Concen: 16.37 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	48.5	145.6
145	26.7	14.0	41.9

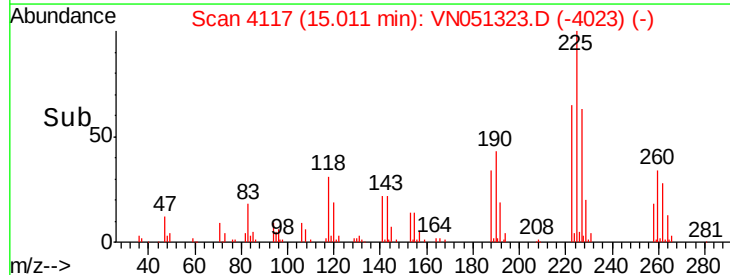
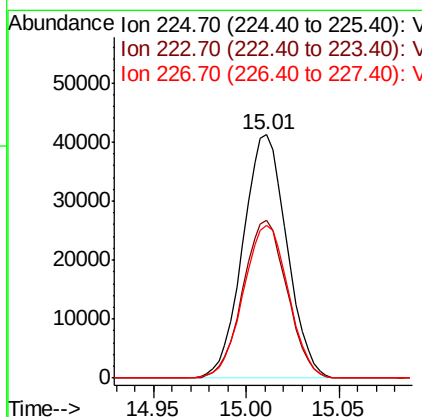
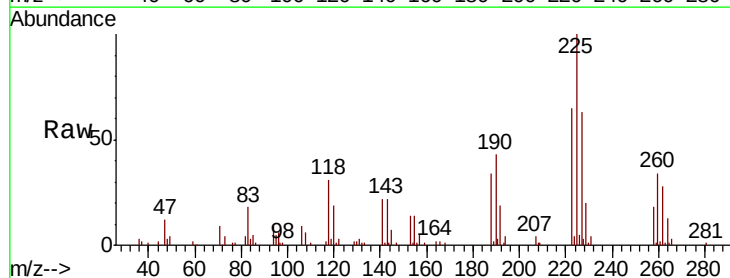
Manual Integrations
 APPROVED

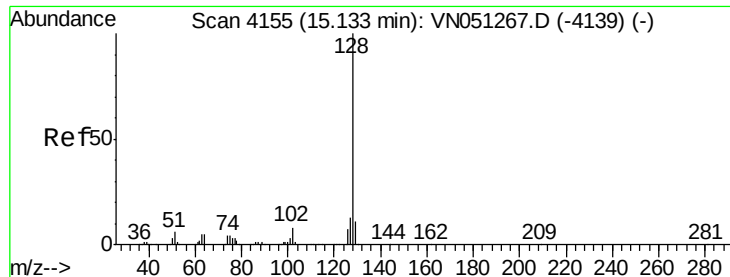
MMDadoda
 9/20/2018 1:42:09 PM



#94
 Hexachlorobutadiene
 Concen: 19.18 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051323.D
 Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	30.8	92.3
227	64.5	32.1	96.3





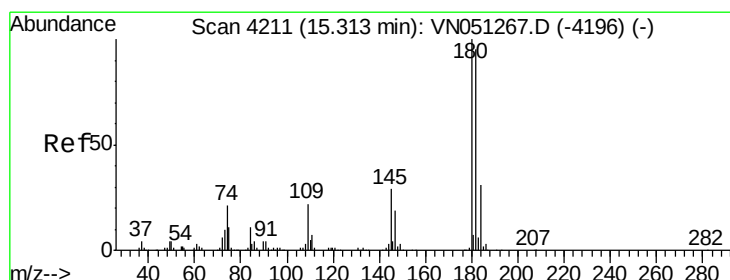
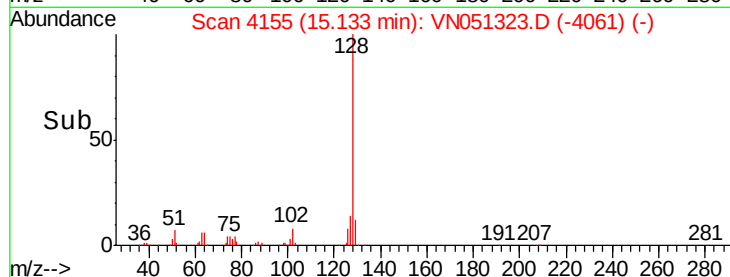
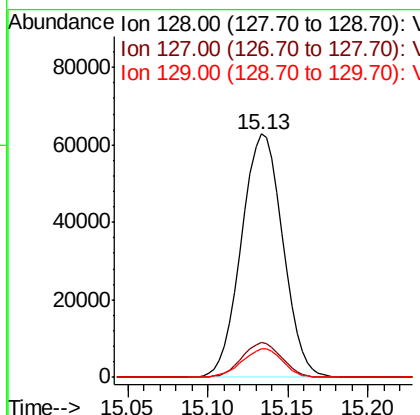
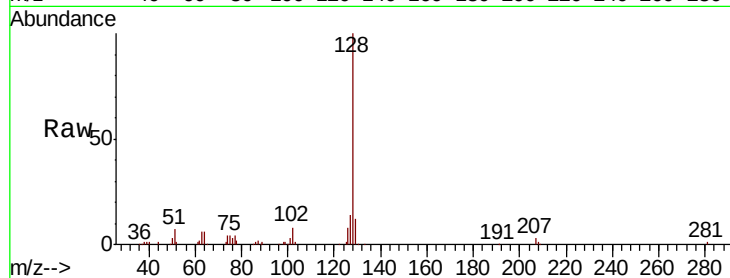
#95
Naphthalene
Concen: 16.57 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	111534		
127	13.7	10.7	16.1	
129	11.4	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
9/20/2018 1:42:09 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.28 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051323.D
Acq: 19 Sep 2018 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	68522		
182	96.8	47.5	142.6	
145	29.6	14.8	44.4	

