

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110818\
 Data File : VN052215.D
 Acq On : 8 Nov 2018 10:55
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 11:48:58 AM

Quant Time: Nov 08 11:18:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	64935	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	381596	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	345955	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	142811	29.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.77%
60) 4-Bromofluorobenzene	12.40	95	157149	28.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.67%
63) Toluene-d8	10.09	98	482461	29.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	97475	22.476	ug/l 96
3) Chloromethane	2.06	50	102912	20.762	ug/l 97
4) Vinyl Chloride	2.19	62	100305	20.629	ug/l 99
5) Bromomethane	2.58	94	66744	20.110	ug/l 96
6) Chloroethane	2.71	64	59055	18.994	ug/l 98
7) Trichlorofluoromethane	3.02	101	140411	21.324	ug/l 91
8) Diethyl Ether	3.41	74	47143	21.205	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	85366	22.182	ug/l 96
10) 1,1-Dichloroethene	3.74	96	75101	20.914	ug/l 95
11) Methyl Iodide	3.96	142	108458	20.890	ug/l 100
12) Methyl Acetate	4.33	43	66275	21.927	ug/l 99
13) Acrolein	3.61	56	28021	87.404	ug/l 95
14) Acrylonitrile	4.99	53	144494	107.800	ug/l 97
15) Acetone	3.82	58	38110	120.299	ug/l 86
16) Carbon Disulfide	4.06	76	209096	19.721	ug/l 97
17) Allyl chloride	4.33	41	130592	21.419	ug/l 98
18) Methylene Chloride	4.55	84	88335	19.930	ug/l 93
19) trans-1,2-Dichloroethene	5.05	96	81394	20.687	ug/l 95
20) Diisopropyl ether	5.95	45	284442	21.469	ug/l 99
21) 1,1-Dichloroethane	5.85	63	156560	20.220	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	96734	21.055	ug/l 96
23) tert-Butyl Alcohol	4.78	59	25080	120.091	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	214082	21.029	ug/l 97
25) Chloroform	7.37	83	161025	20.712	ug/l 94
26) Cyclohexane	7.65	56	146216	21.066	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	123628	20.406	ug/l 97
30) 2-Butanone	6.83	43	182147	112.896	ug/l # 77
31) 2,2-Dichloropropane	6.82	77	123884	19.851	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	137117	20.228	ug/l 98
33) Carbon Tetrachloride	7.77	117	121906	20.222	ug/l 96
34) Benzene	8.04	78	363367	20.484	ug/l 98
35) Methacrylonitrile	7.20	41	65182m	29.455	ug/l
36) 1,2-Dichloroethane	8.12	62	120707	20.351	ug/l 99
37) Trichloroethene	8.84	130	92774	20.896	ug/l 87
38) Methylcyclohexane	9.08	83	150235	20.328	ug/l 97
39) 1,2-Dichloropropane	9.12	63	98466	20.852	ug/l 97
40) Dibromomethane	9.21	93	60026	20.623	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	117254	19.689	ug/l	100
42) Vinyl Acetate	5.90	43	984337	104.216	ug/l	100
43) Ethyl Acetate	6.83	43	182147	22.465	ug/l #	87
44) Isopropyl Acetate	8.17	43	143319	21.349	ug/l	95
45) 1,4-Dioxane	9.20	88	14800	483.270	ug/l #	80
46) Methyl methacrylate	9.20	41	72809	21.788	ug/l	94
47) n-amyl Acetate	12.07	43	126423	20.776	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	119777	20.255	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	137832	20.194	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	80303	20.864	ug/l	95
51) Ethyl methacrylate	10.43	69	102955	20.697	ug/l	98
52) 1,3-Dichloropropane	10.71	76	137733	20.544	ug/l	100
53) Dibromochloromethane	10.90	129	84259	20.278	ug/l	98
54) 1,2-Dibromoethane	11.00	107	79090	20.264	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	279996	102.792	ug/l	98
56) Bromoform	12.13	173	49902	20.794	ug/l	97
58) 4-Methyl-2-Pentanone	9.98	43	411411	110.980	ug/l	98
59) 2-Hexanone	10.75	43	286003	112.050	ug/l	100
61) Tetrachloroethene	10.63	164	84757	22.527	ug/l	92
62) Toluene	10.16	91	394873	20.333	ug/l	99
64) Chlorobenzene	11.43	112	249157	20.243	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	89565	21.380	ug/l	98
66) Ethyl Benzene	11.51	91	428464	20.425	ug/l	99
67) m/p-Xylenes	11.62	106	335329	41.520	ug/l	96
68) o-Xylene	11.95	106	159883	20.764	ug/l	94
69) Styrene	11.96	104	256014	20.633	ug/l	98
70) Isopropylbenzene	12.25	105	424647	20.544	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	97508	21.447	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	74821m	18.717	ug/l	
73) Bromobenzene	12.53	156	98576	21.522	ug/l	87
74) n-propylbenzene	12.59	91	488184	20.281	ug/l	98
75) 2-Chlorotoluene	12.67	91	278742	20.086	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	343354	20.716	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	23550	18.828	ug/l	90
78) 4-Chlorotoluene	12.77	91	283765	20.305	ug/l	97
79) tert-butylbenzene	12.99	119	297549	20.608	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	349334	21.156	ug/l	98
81) sec-Butylbenzene	13.17	105	418054	21.040	ug/l	98
82) p-Isopropyltoluene	13.29	119	356272	21.217	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	172282	21.265	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	169955	21.191	ug/l	97
85) n-Butylbenzene	13.62	91	297224	20.451	ug/l	99
86) Hexachloroethane	13.87	117	58808	20.753	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	168834	21.934	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13780	22.165	ug/l	89
89) 1,2,4-Trichlorobenzene	14.91	180	70373	22.522	ug/l	98
90) Hexachlorobutadiene	15.01	225	42119	24.639	ug/l	97
91) Naphthalene	15.13	128	170901	23.730	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	66716	24.499	ug/l	99

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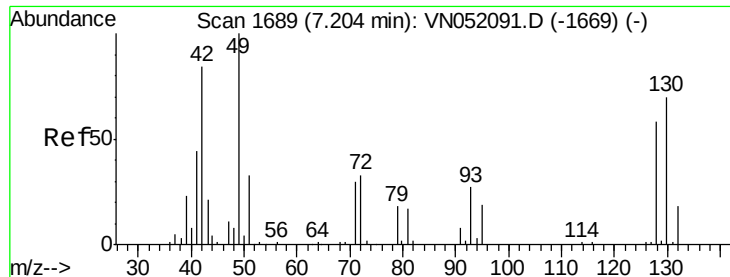
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



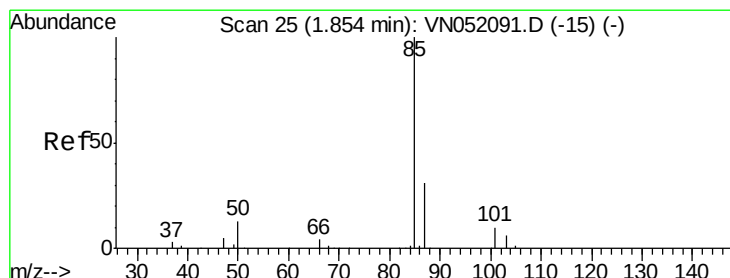
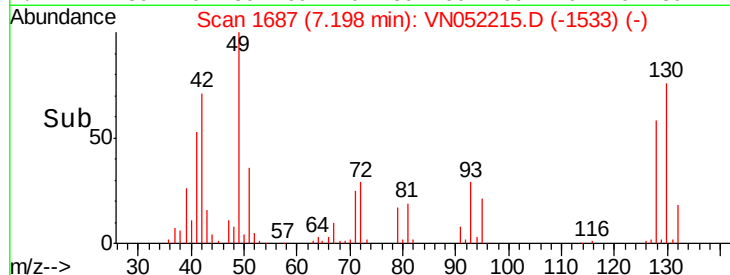
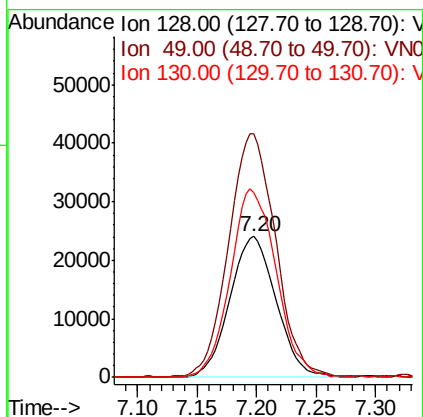
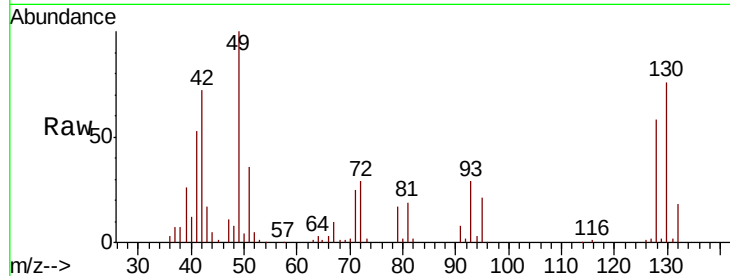
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	175.7	0.0	453.7
130	132.6	0.0	308.8

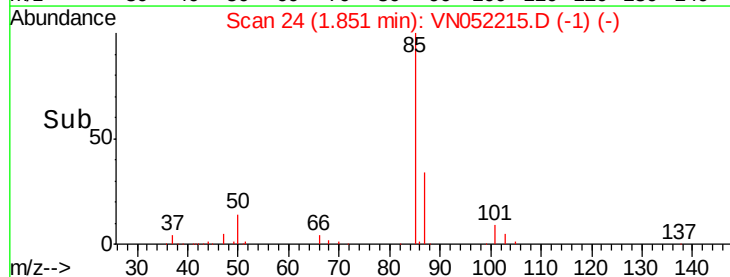
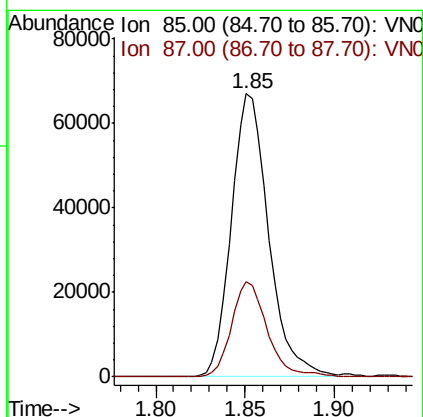
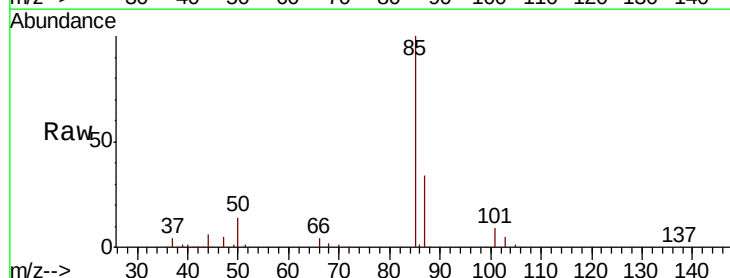
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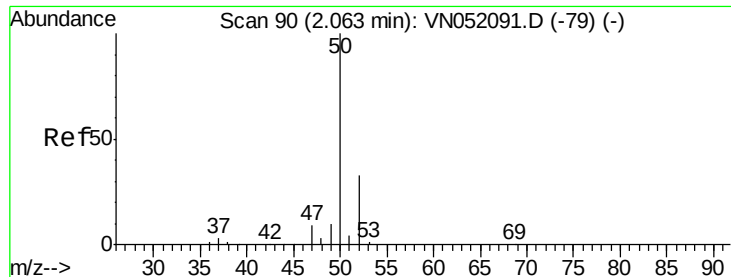
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#2
Dichlorodifluoromethane
Concen: 22.476 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.6	15.7	47.1





#3

Chloromethane

Concen: 20.762 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 102912

Ion Ratio Lower Upper

50 100

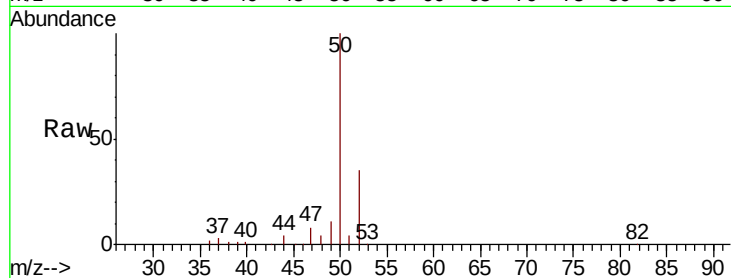
52 34.9 26.5 39.7

Manual Integrations

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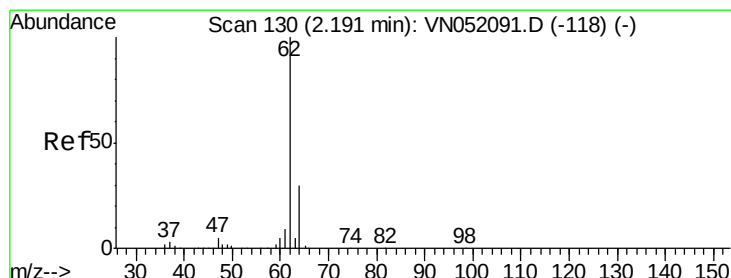
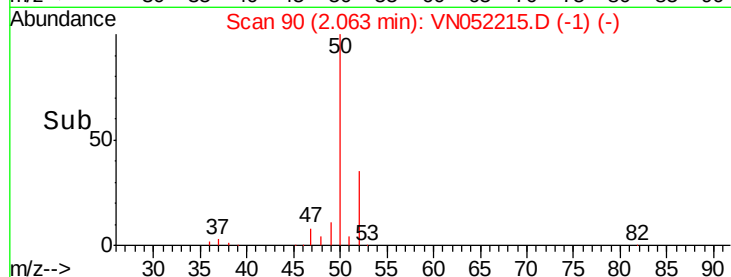
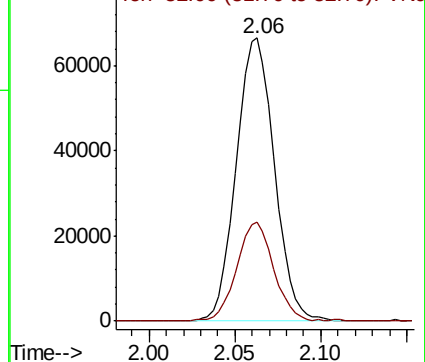
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.629 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052215.D

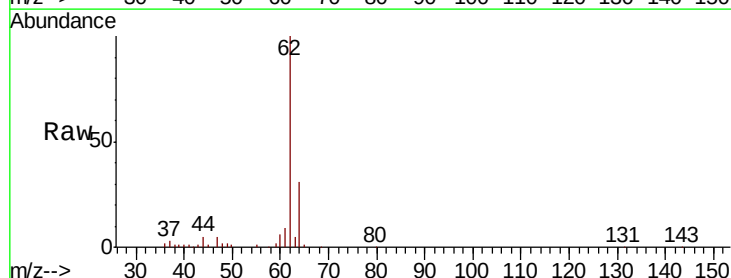
Acq: 8 Nov 2018 10:55

Tgt Ion: 62 Resp: 100305

Ion Ratio Lower Upper

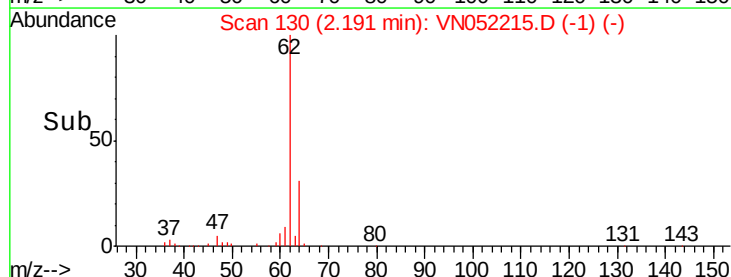
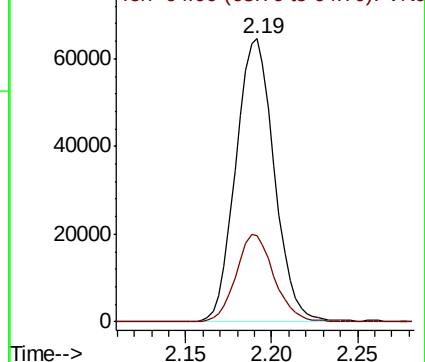
62 100

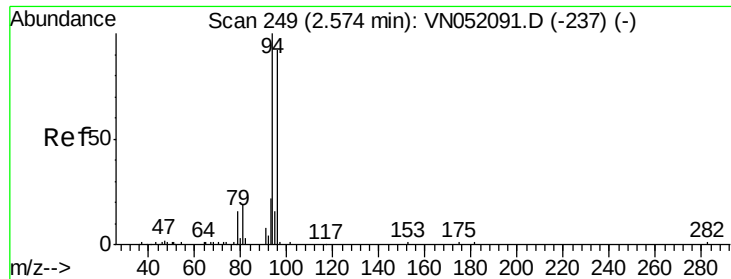
64 30.6 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 20.110 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 66744

Ion Ratio Lower Upper

94 100

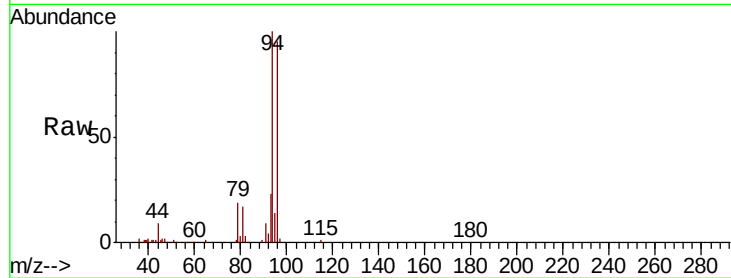
96 95.2 73.4 110.0

Manual Integrations

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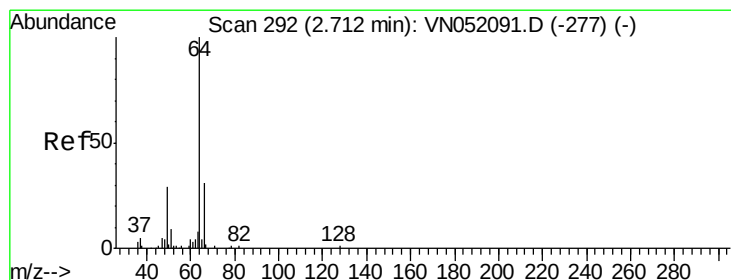
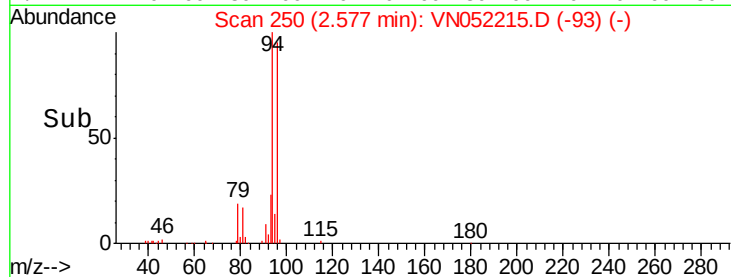
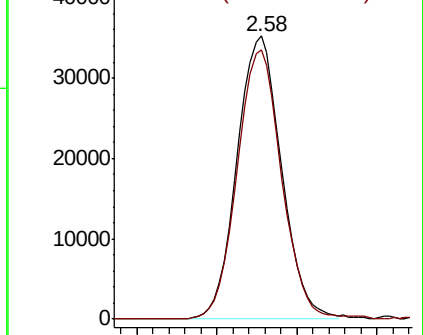
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.994 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052215.D

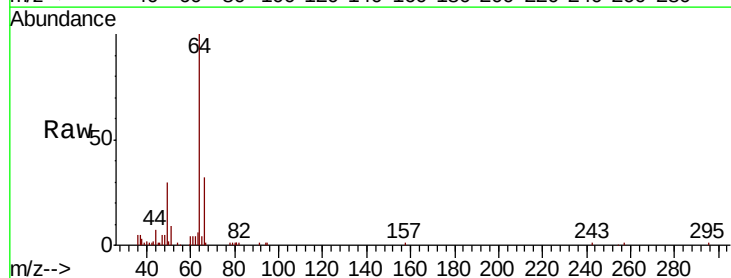
Acq: 8 Nov 2018 10:55

Tgt Ion: 64 Resp: 59055

Ion Ratio Lower Upper

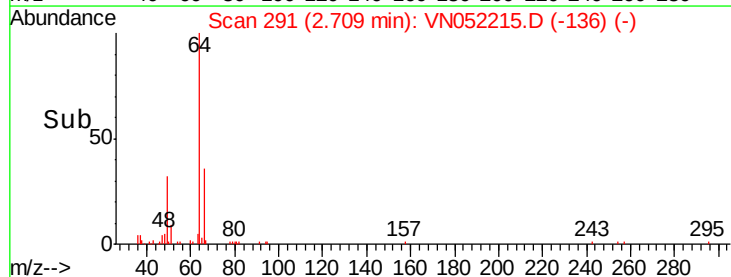
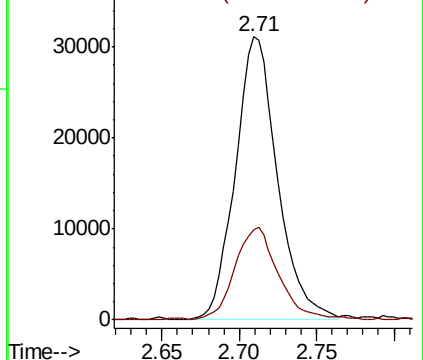
64 100

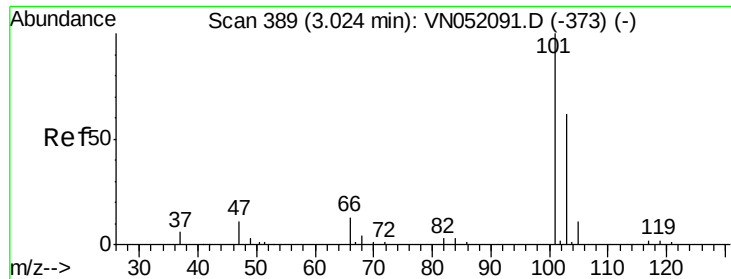
66 32.0 24.7 37.1



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

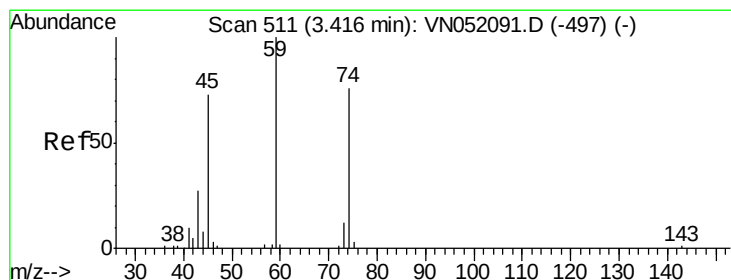
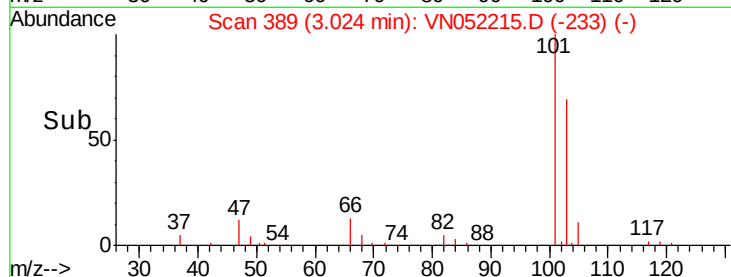
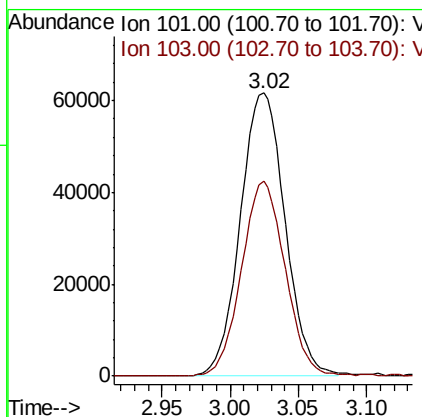
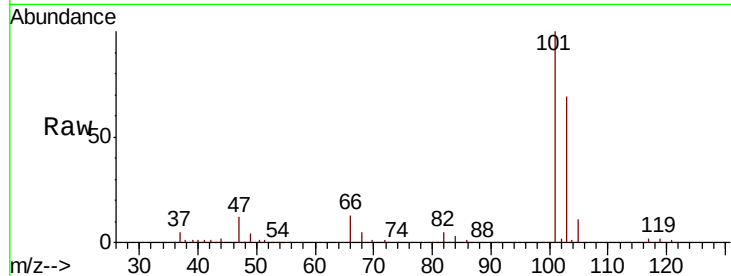
Trichlorofluoromethane
Concen: 21.324 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
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ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.6	49.5	74.3

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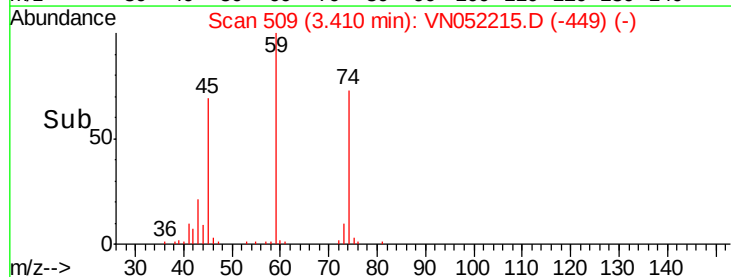
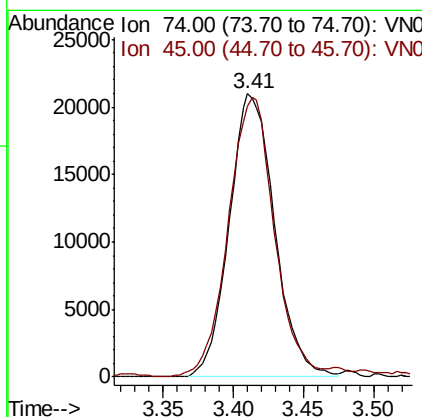
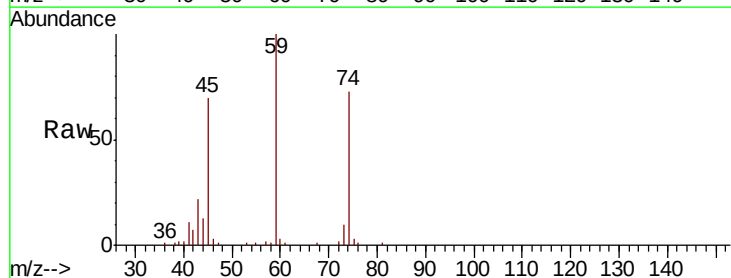
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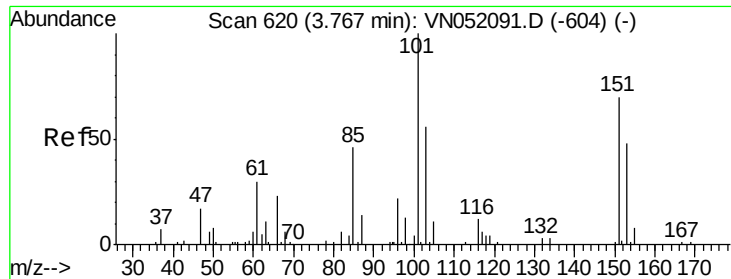


#8

Diethyl Ether
Concen: 21.205 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.01 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	19.4	174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.182 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Instrument :

MSVOA_N

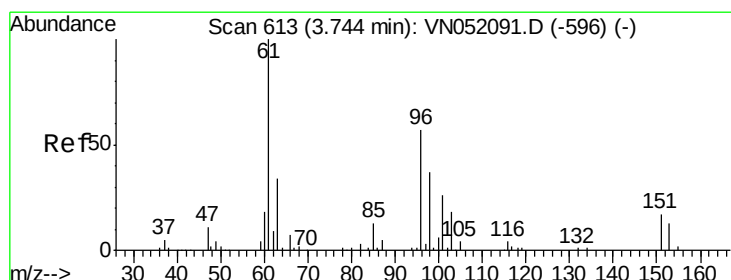
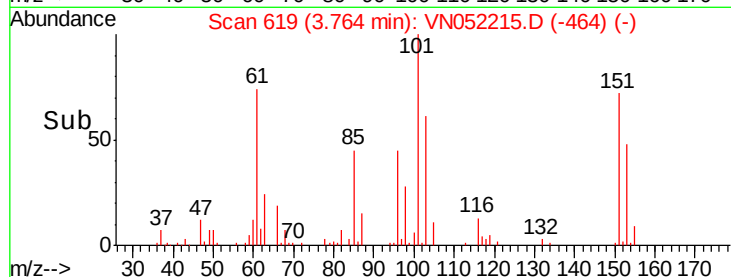
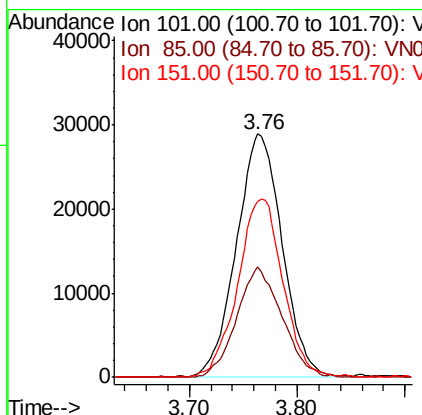
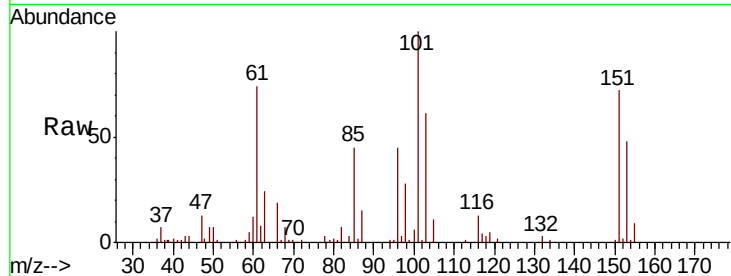
ClientSampled :

VSTDCCC020

Tot Ion:	101	Resp:	85366
Ion Ratio	Lower	Upper	
101	100		
85	44.7	0.0	98.0
151	72.2	0.0	139.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.914 ug/l

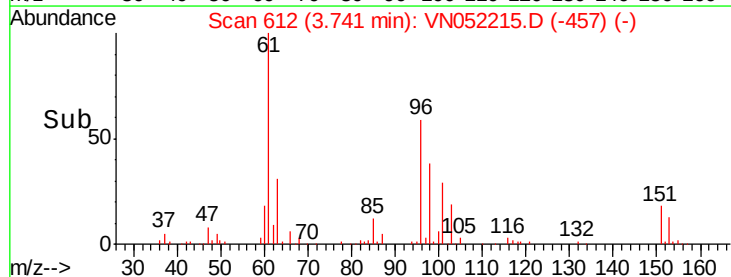
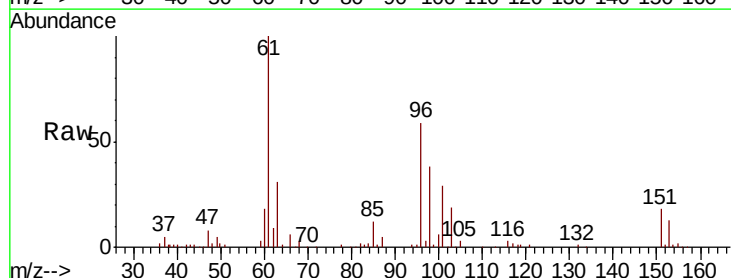
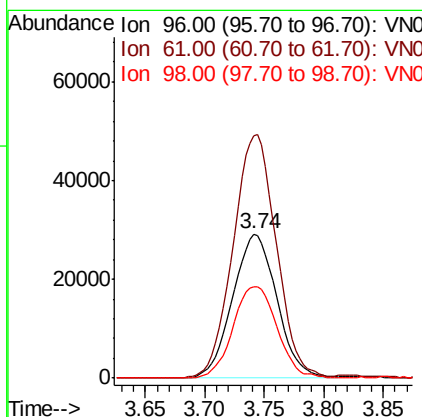
RT: 3.74 min Scan# 612

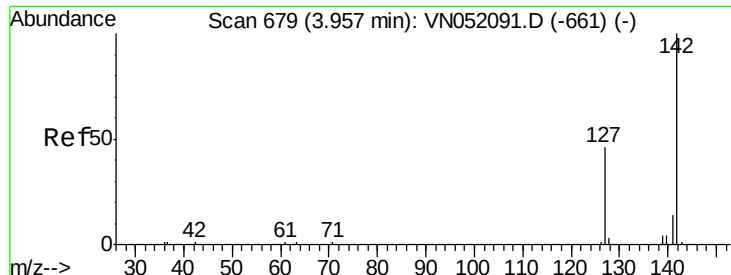
Delta R.T. -0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Tgt Ion:	96	Resp:	75101
Ion Ratio	Lower	Upper	
96	100		
61	167.3	140.3	210.5
98	63.5	52.0	78.0





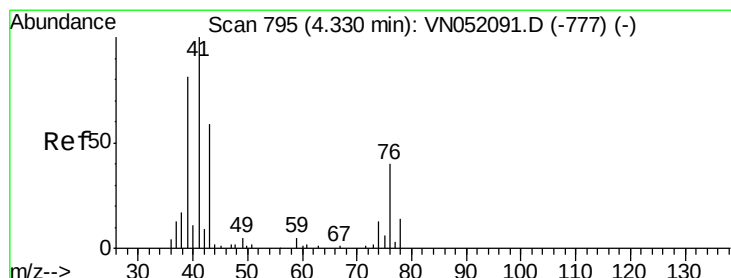
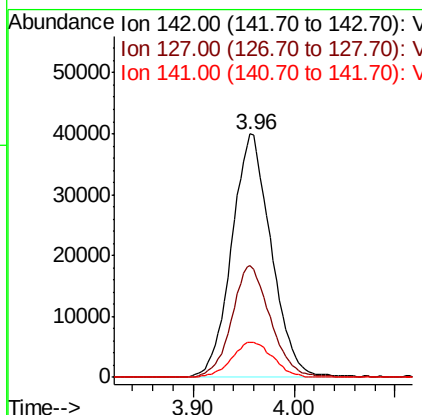
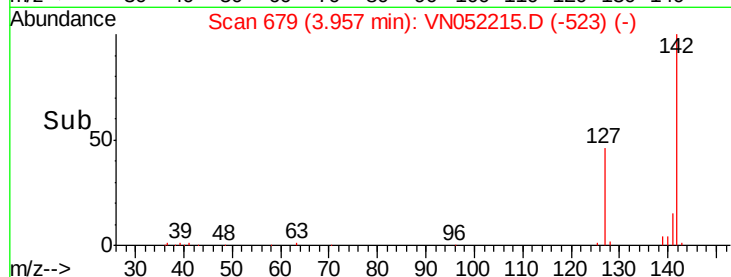
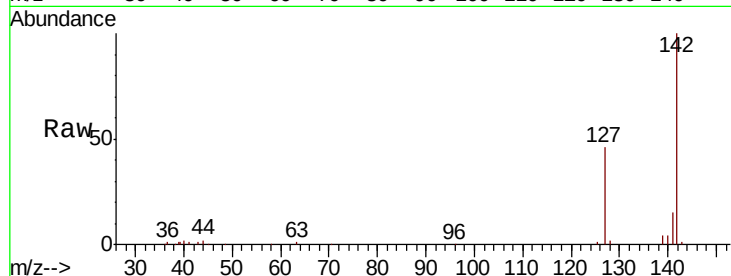
#11
Methyl Iodide
Concen: 20.890 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.0	23.1	69.2
141	14.6	7.0	20.9

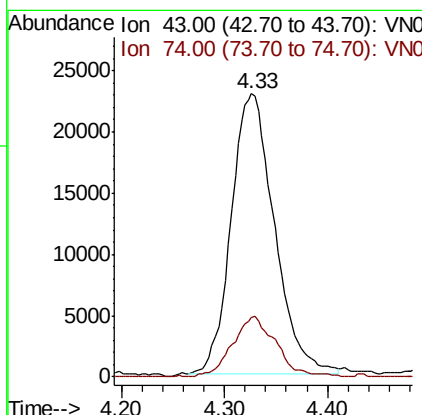
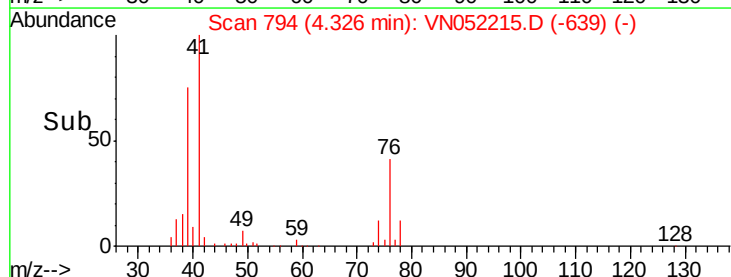
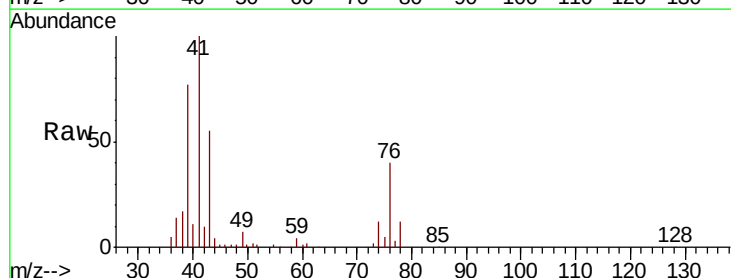
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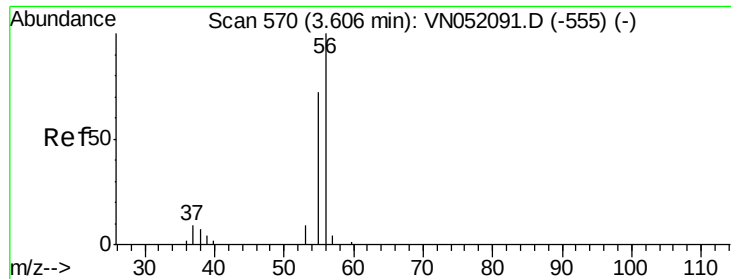
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11/9/2018 11:48:58 AM



#12
Methyl Acetate
Concen: 21.927 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.4	26.2





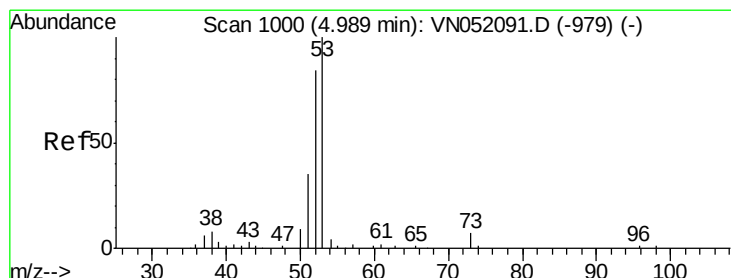
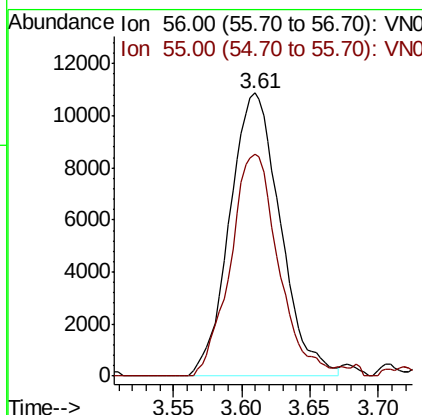
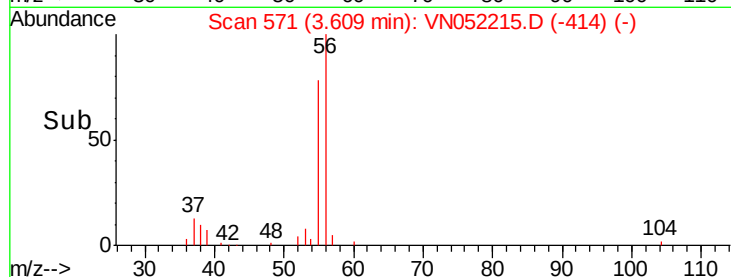
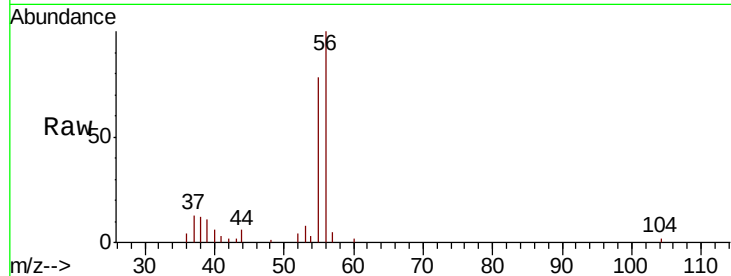
#13
Acrolein
Concen: 87.404 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	56	55	Ratio	Lower	Upper
28021	100	74.4		56.2	84.2

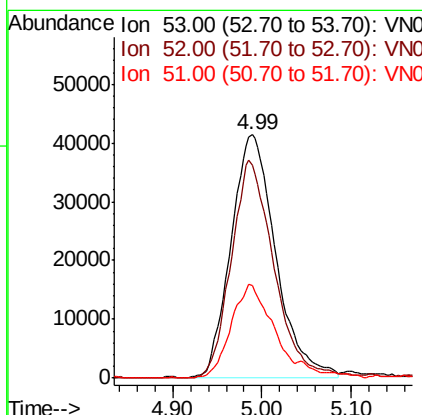
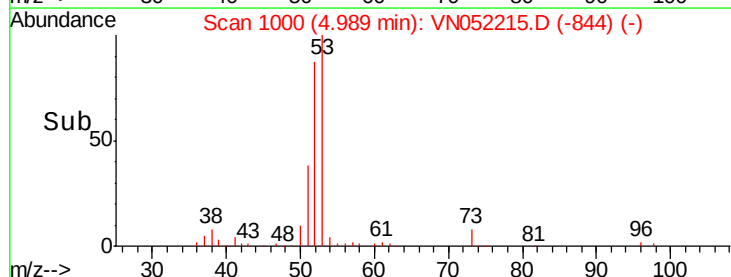
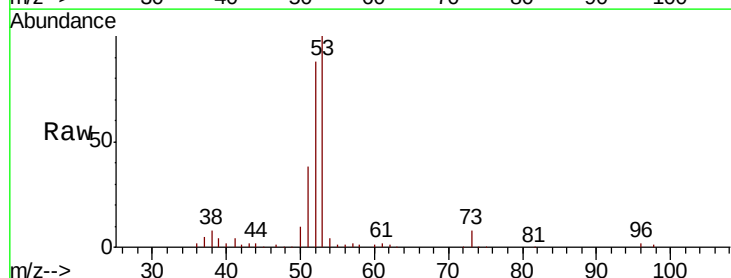
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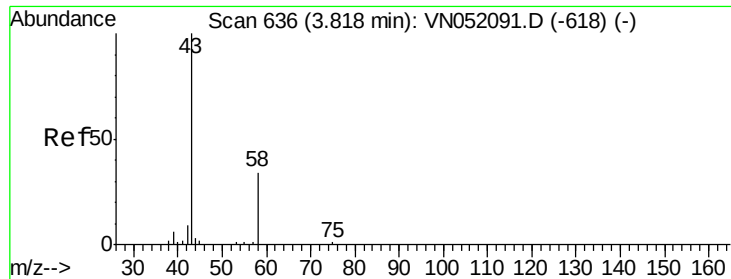
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#14
Acrylonitrile
Concen: 107.800 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	53	52	51	Ratio	Lower	Upper
144494	100	85.6	35.0		41.3	124.1





#15

Acetone

Concen: 120.299 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 38110

Ion Ratio Lower Upper

58 100

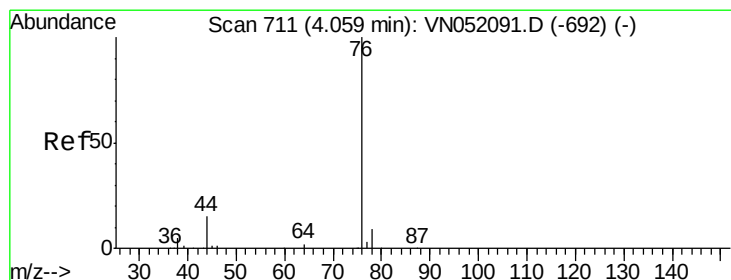
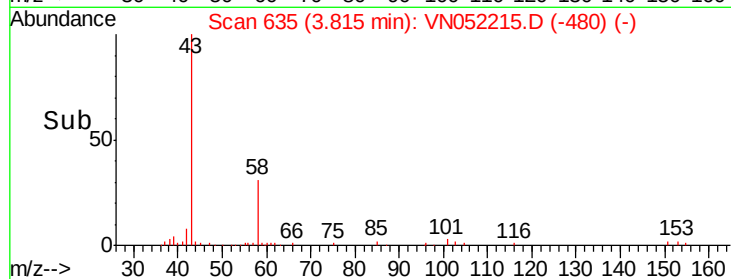
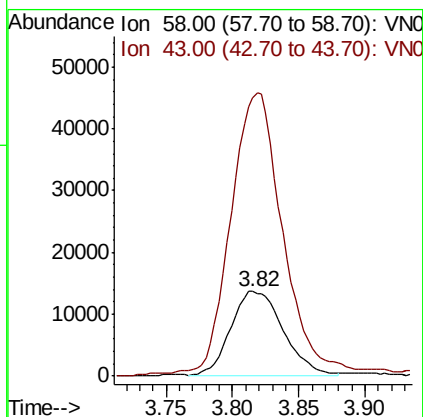
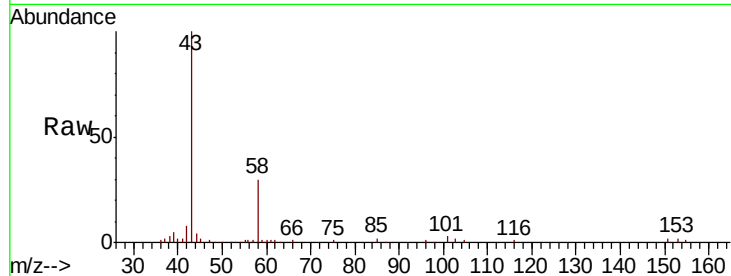
43 321.3 234.7 352.1

Manual Integrations

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#16

Carbon Disulfide

Concen: 19.721 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052215.D

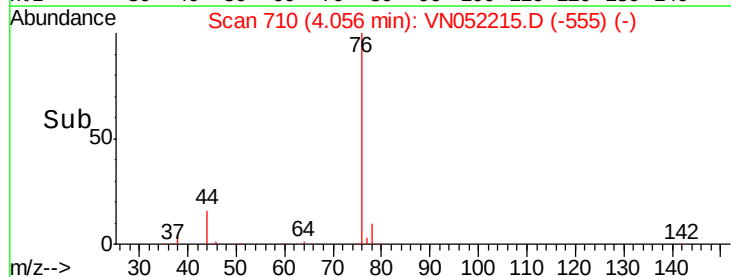
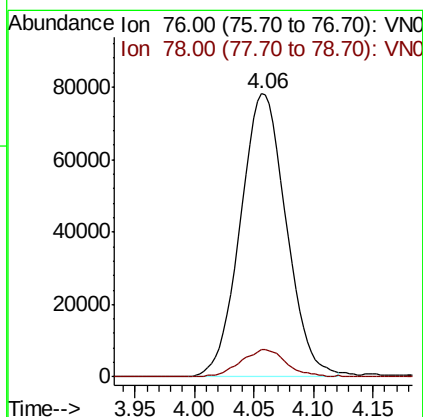
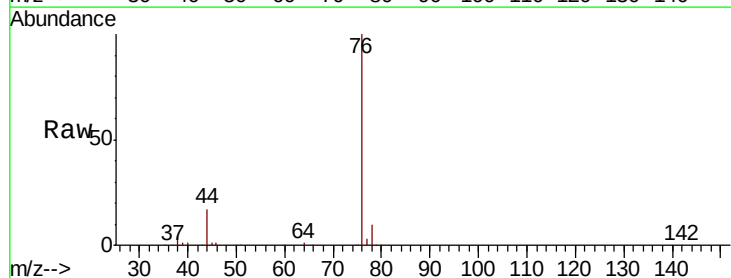
Acq: 8 Nov 2018 10:55

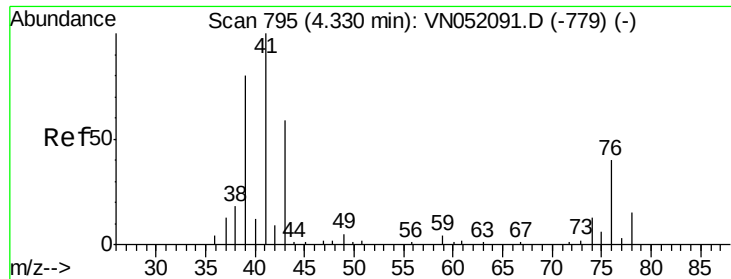
Tgt Ion: 76 Resp: 209096

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.6





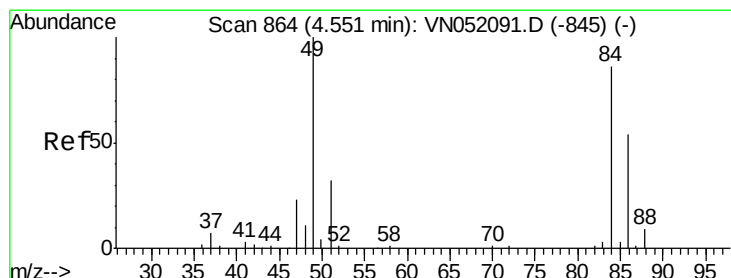
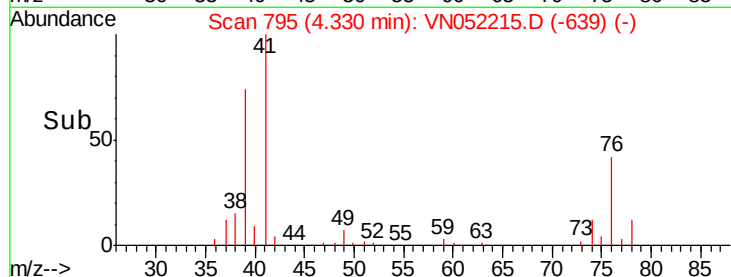
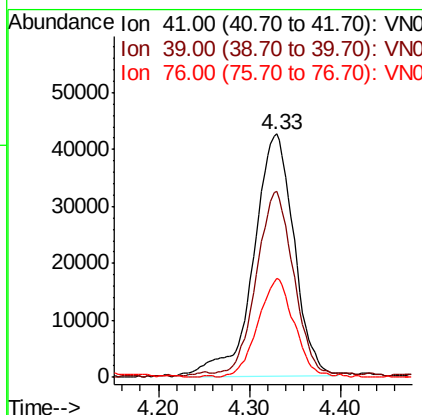
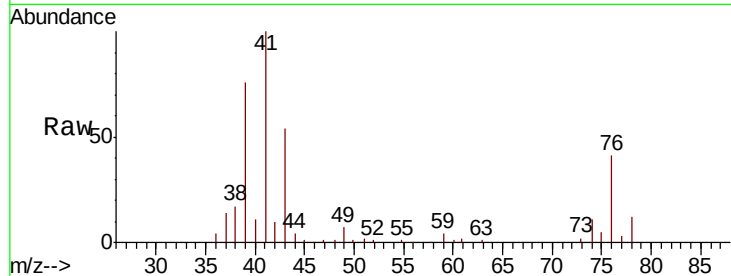
#17
Allvl chloride
Concen: 21.419 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	76.3	38.4	115.1
76	40.8	18.8	56.3

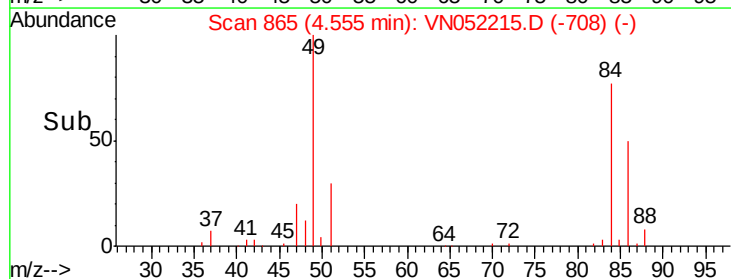
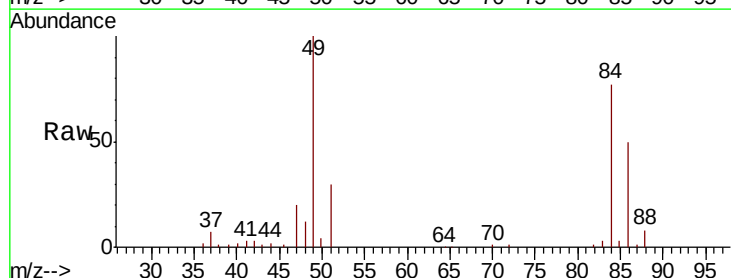
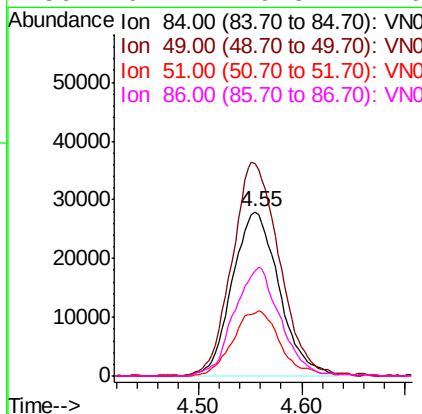
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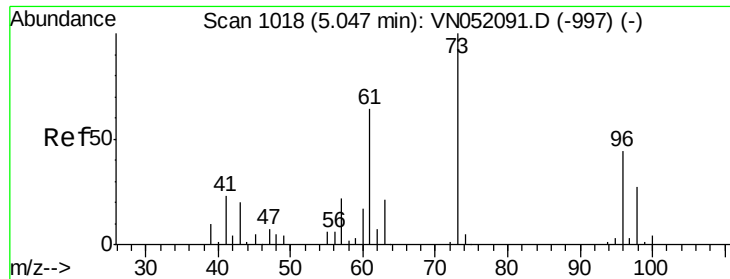
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#18
Methylene Chloride
Concen: 19.930 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.5	92.6	138.8
51	38.3	29.7	44.5
86	64.2	49.8	74.6





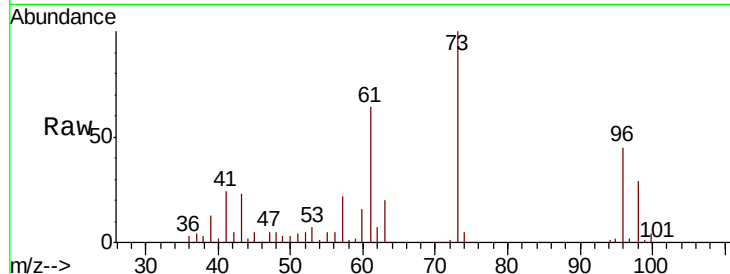
#19
trans-1,2-Dichloroethene
Concen: 20.687 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.9	117.8	176.6
98	64.2	49.3	73.9

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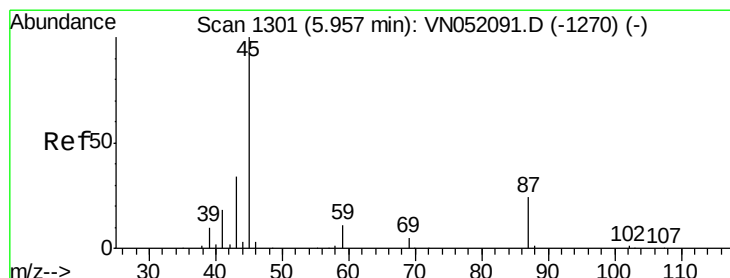
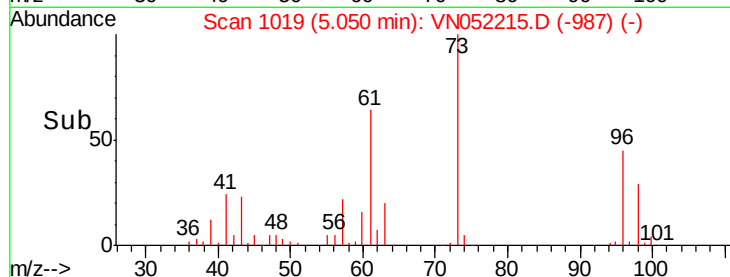
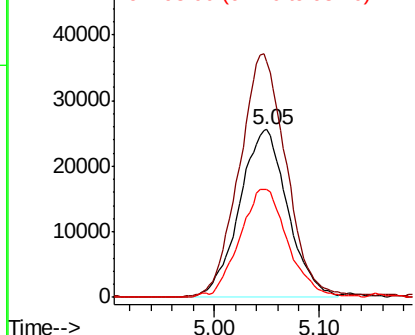


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 21.469 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.1	49.4	74.0
87	25.3	20.3	30.5
59	11.3	8.6	12.8

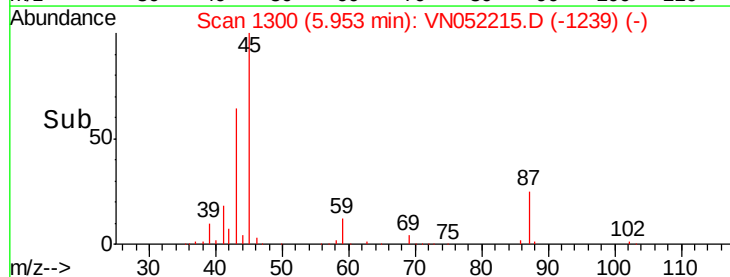
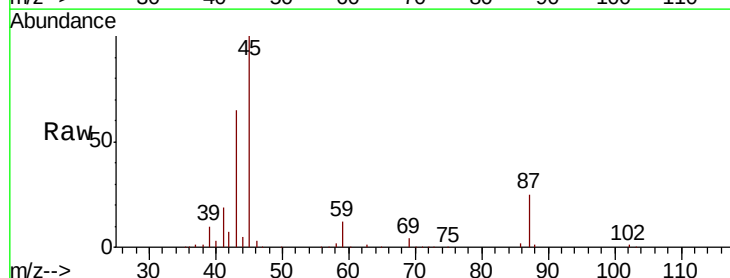
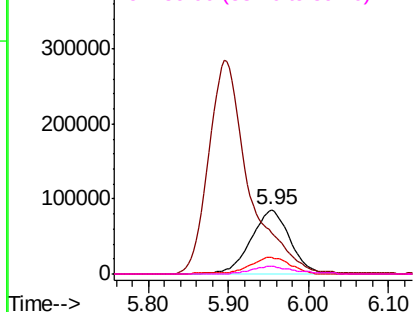
Abundance

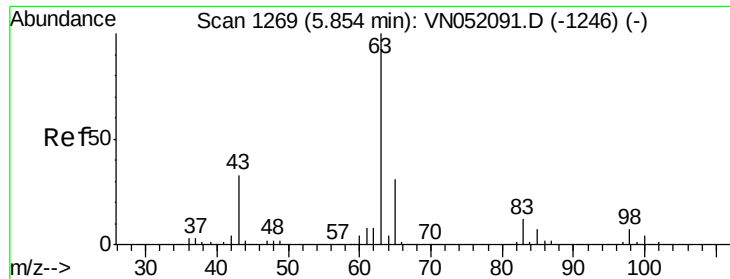
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





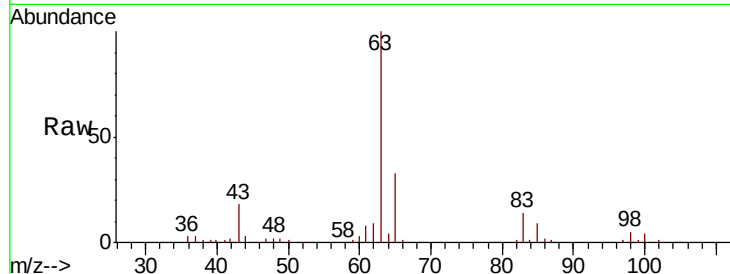
#21
1,1-Dichloroethane
Concen: 20.220 ug/l
RT: 5.85 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

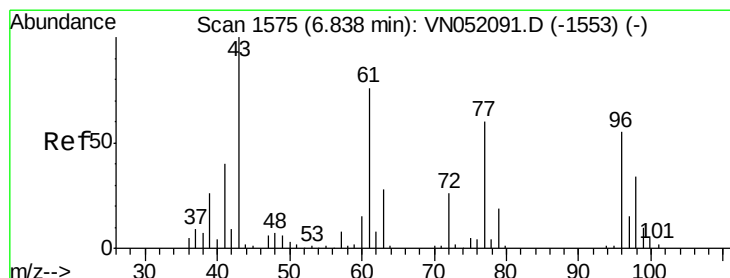
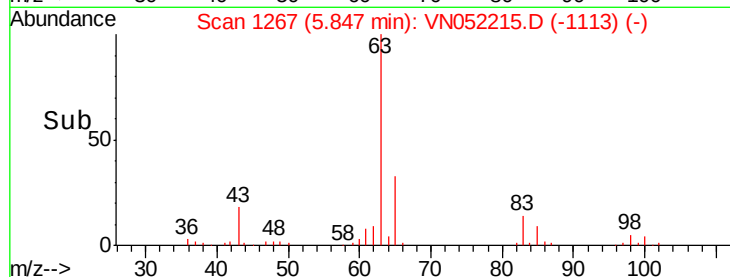
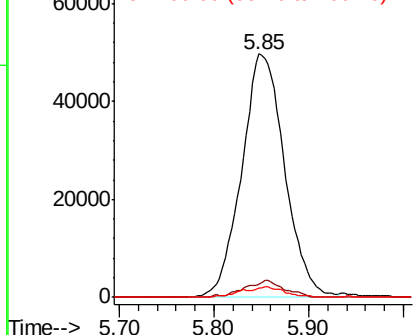
Tot Ion	63	Resp	156560
Ion	Ratio	Lower	Upper
63	100		
98	5.3	3.4	10.1
100	3.6	2.0	5.8

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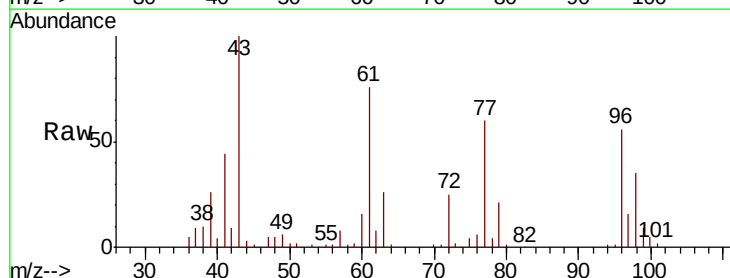


Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

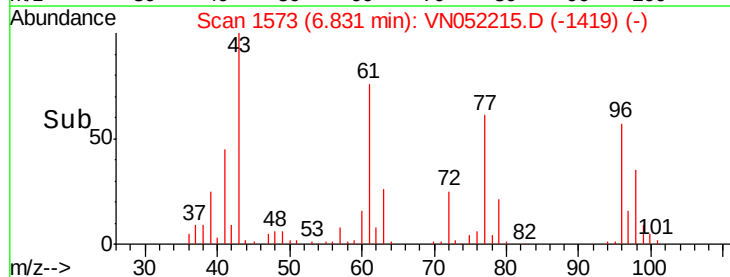
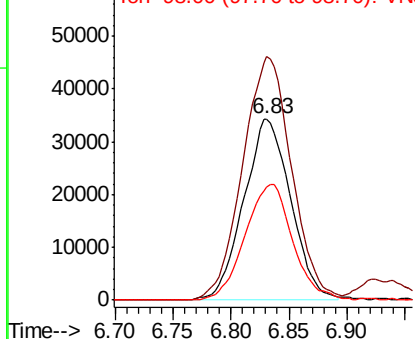


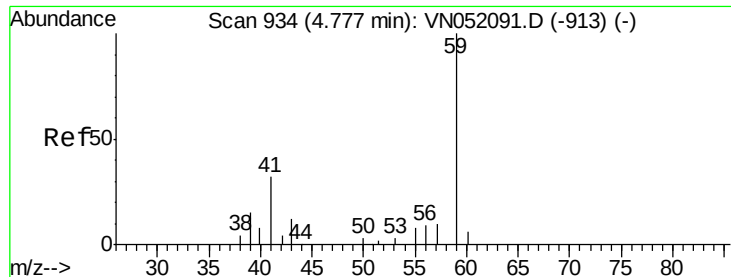
#22
cis-1,2-Dichloroethene
Concen: 21.055 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	96	Resp	96734
Ion	Ratio	Lower	Upper
96	100		
61	139.9	117.6	176.4
98	64.6	51.0	76.4



Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





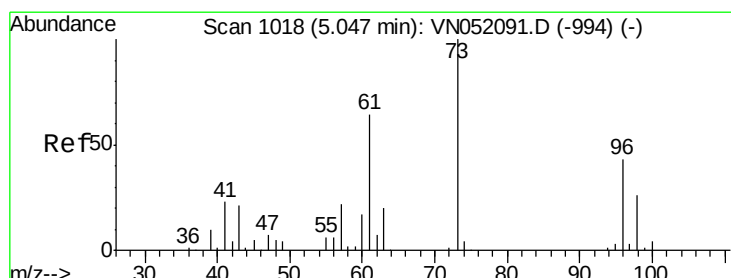
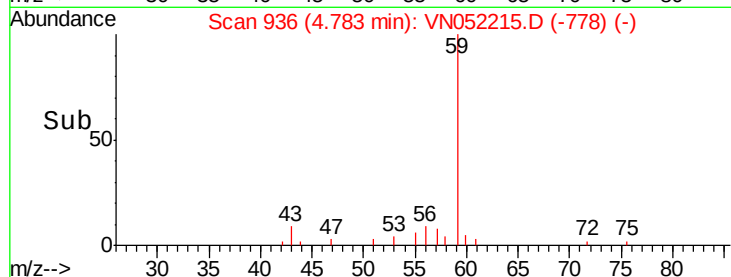
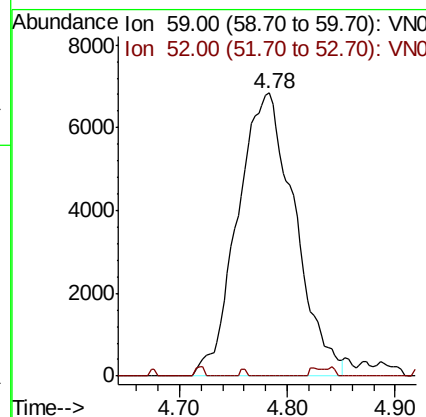
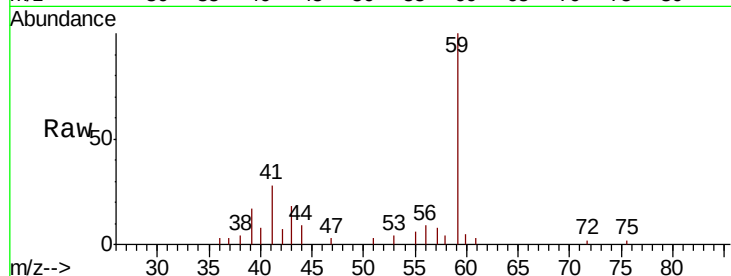
#23
 tert-Butyl Alcohol
 Concen: 120.091 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.3	0.5#

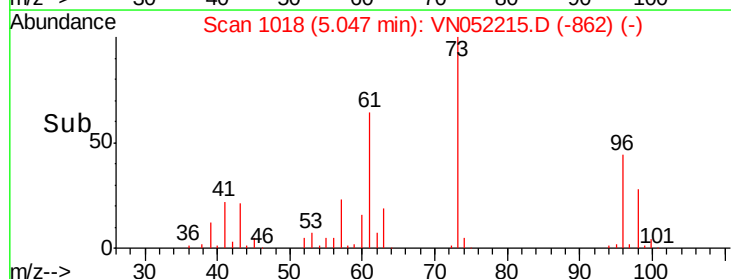
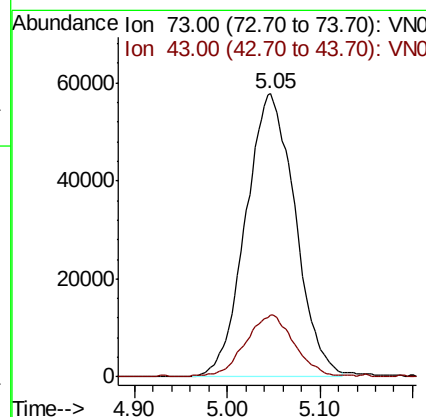
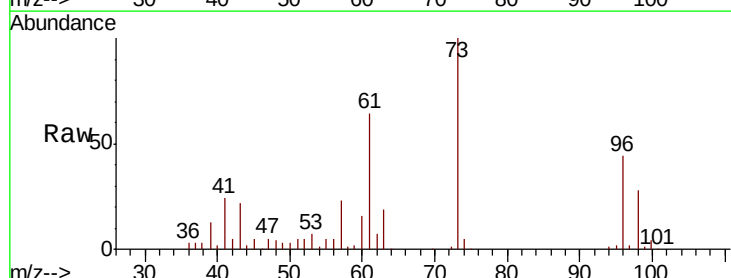
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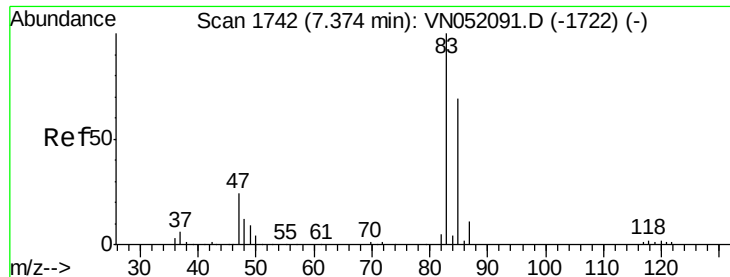
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#24
 Methyl tert-Butyl Ether
 Concen: 21.029 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.3	17.4	26.2





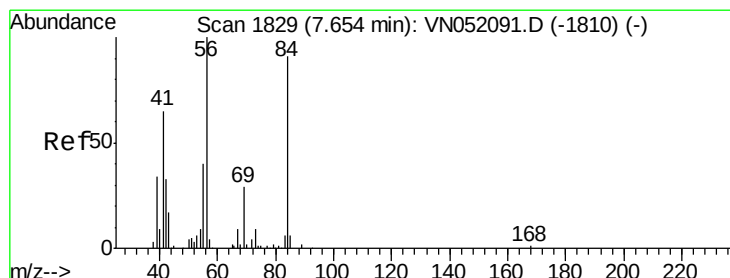
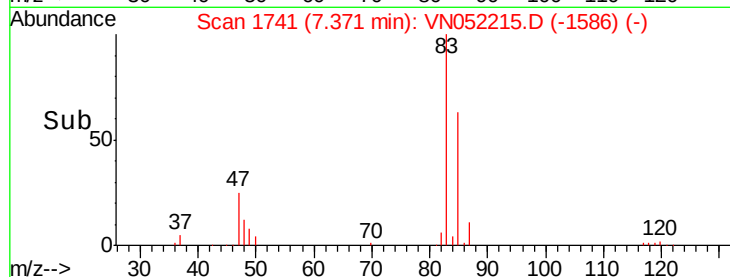
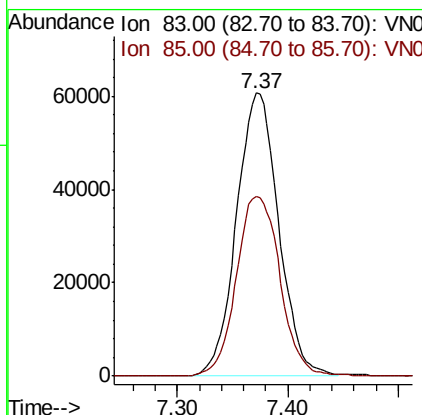
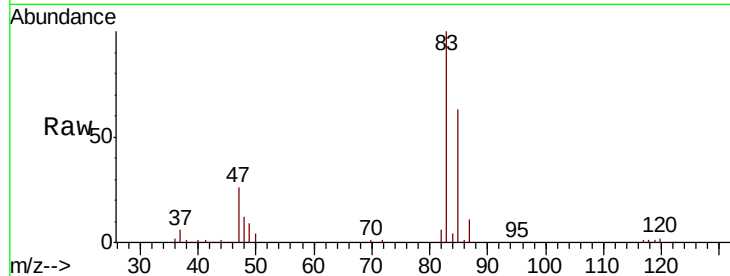
#25
Chloroform
Concen: 20.712 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	161025
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	54.9	82.3

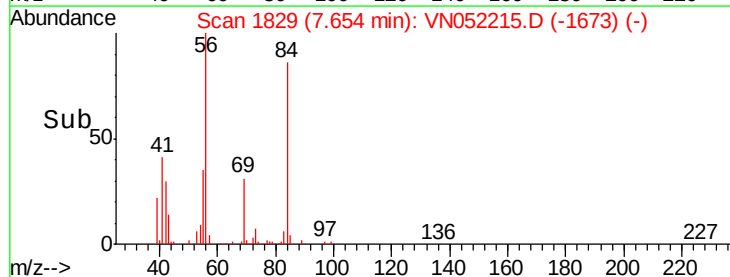
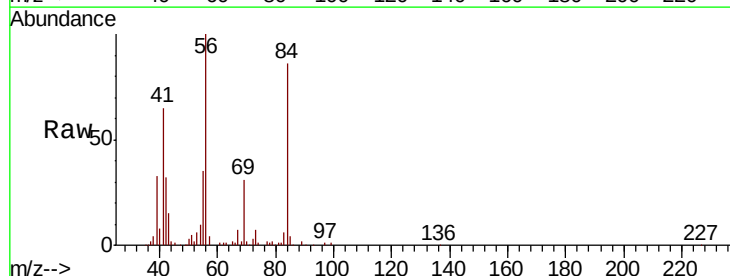
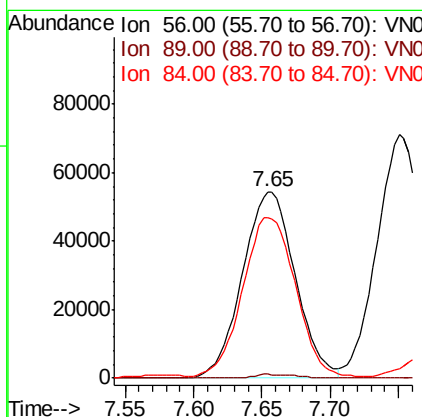
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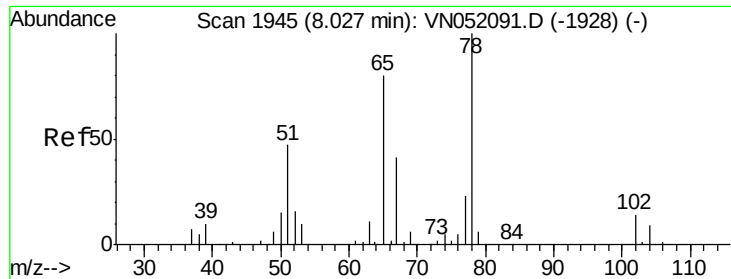
MMDadoda
11/9/2018 11:48:58 AM



#26
Cyclohexane
Concen: 21.066 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	56	Resp	146216
Ion Ratio	100	Lower	Upper
56	100		
89	1.0	2.2	3.2#
84	85.4	71.0	106.6





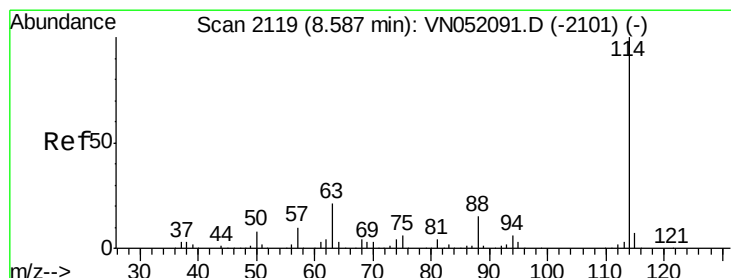
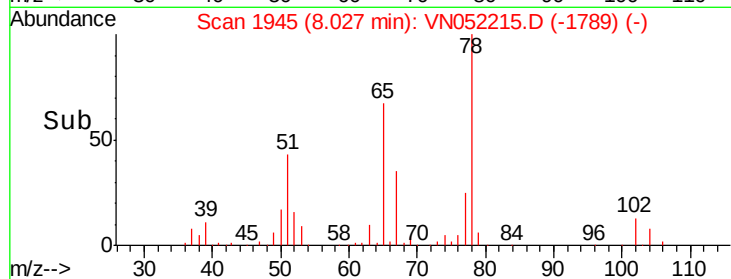
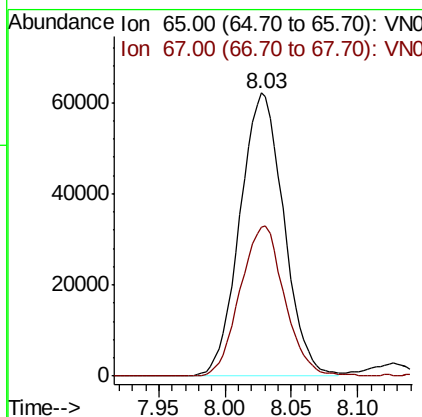
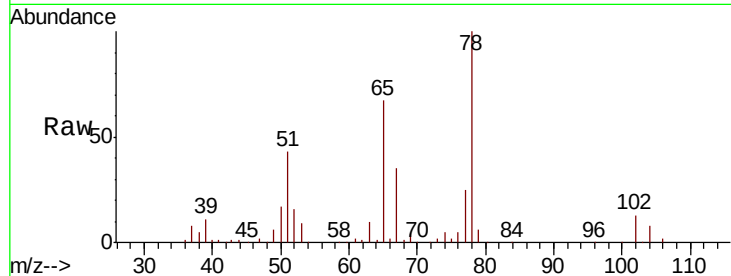
#27
 1,2-Dichloroethane-d4
 Concen: 21.066 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142811		
67	53.5	42.6	64.0	

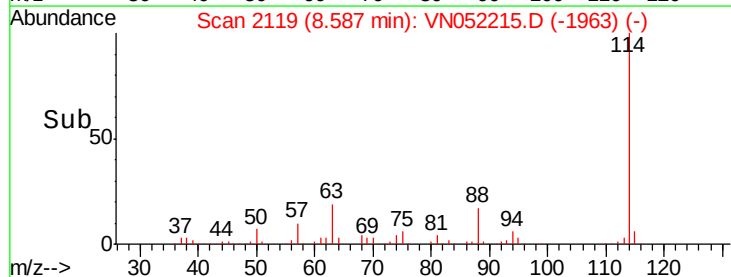
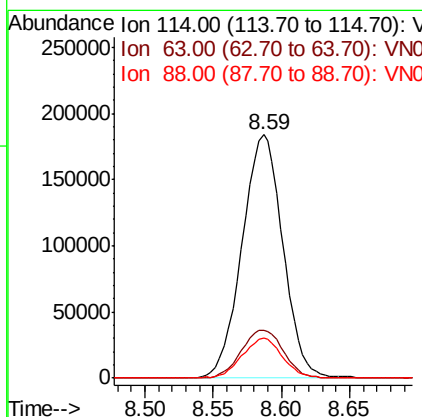
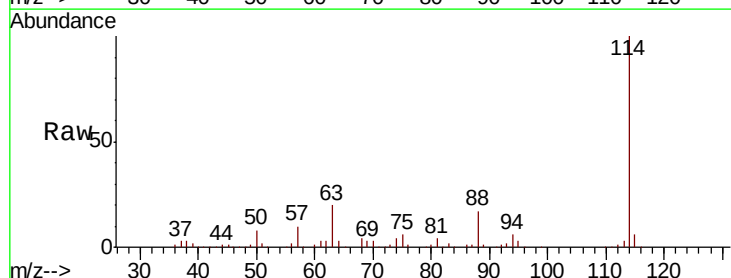
Manual Integrations
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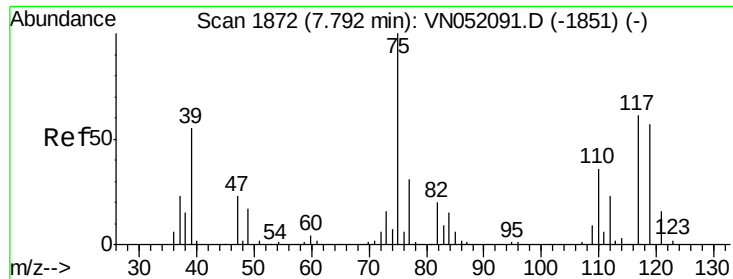
MMDadoda
 11/9/2018 11:48:58 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	381596		
63	20.3	17.5	26.3	
88	16.3	12.6	18.8	





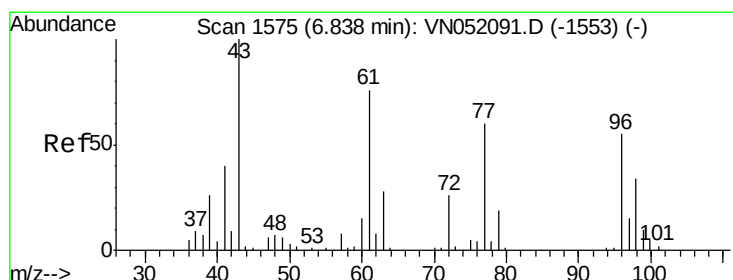
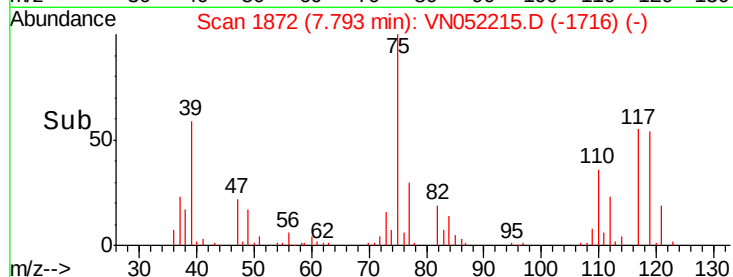
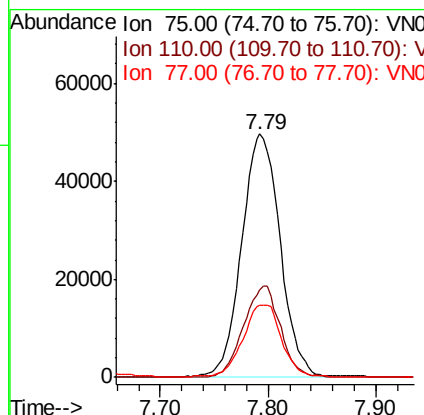
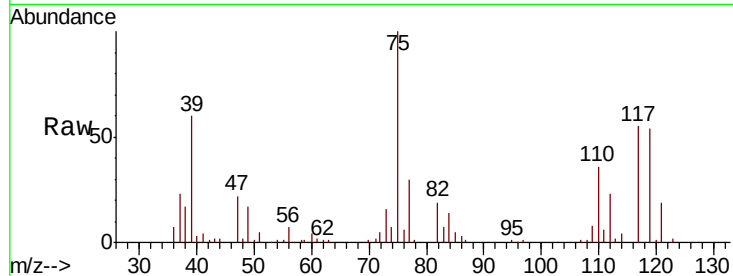
#29
 1,1-Dichloropropene
 Concen: 20.406 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.5	0.0	67.6
77	28.8	0.0	60.2

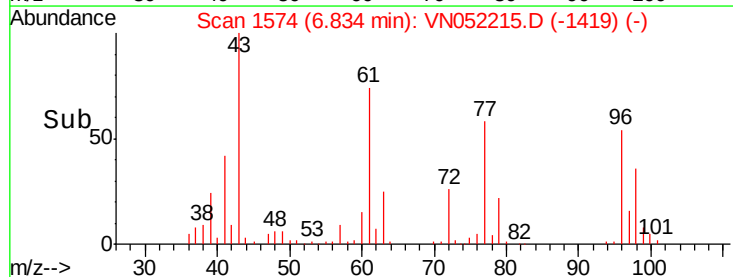
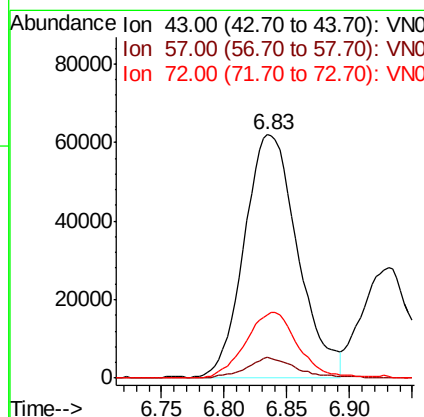
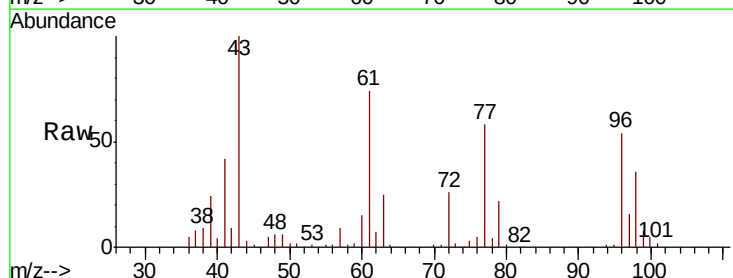
Manual Integrations
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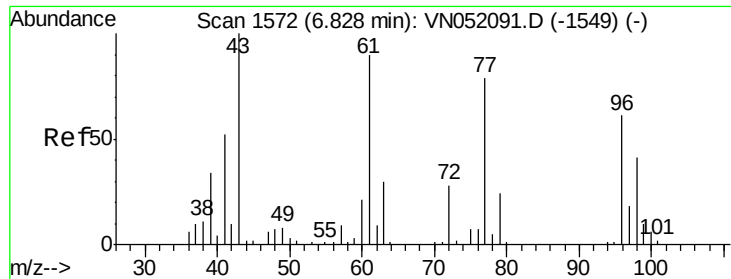
MMDadoda
 11/9/2018 11:48:58 AM



#30
 2-Butanone
 Concen: 112.896 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.6	6.6	9.8
72	26.5	9.2	13.8#





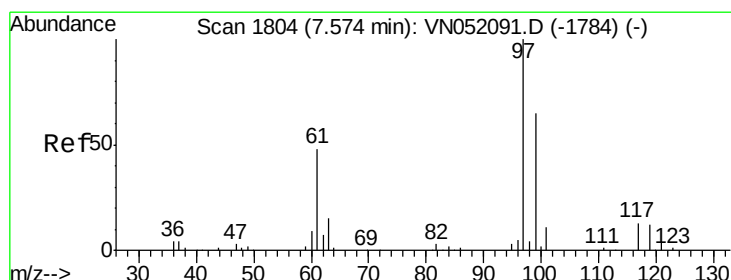
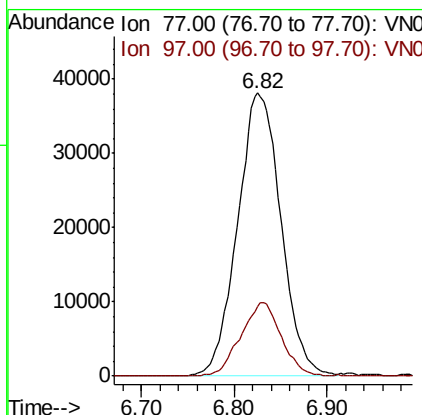
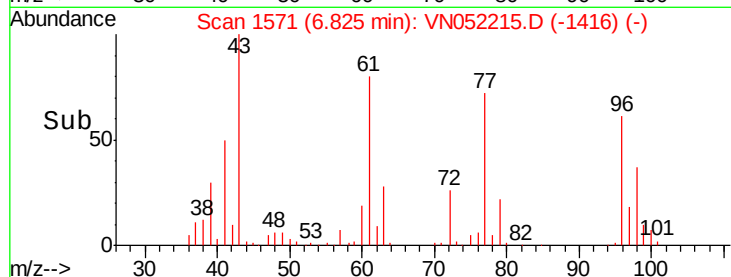
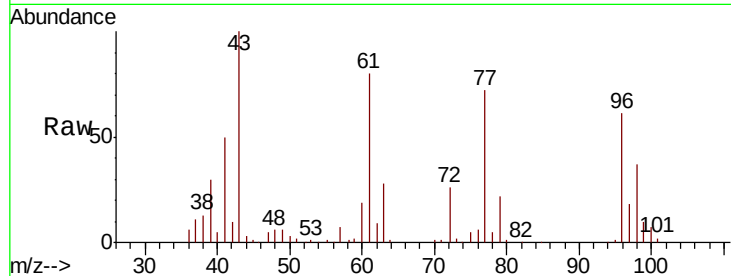
#31
 2,2-Dichloropropane
 Concen: 19.851 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion: 77 Resp: 123884
 Ion Ratio Lower Upper
 77 100
 97 24.1 18.2 27.2

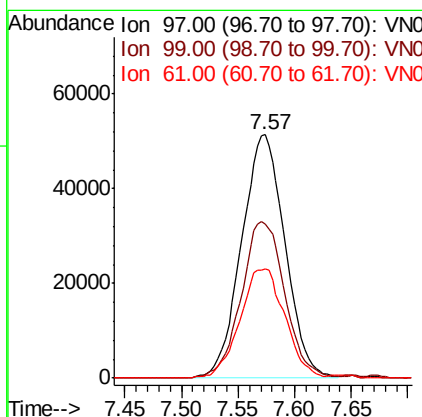
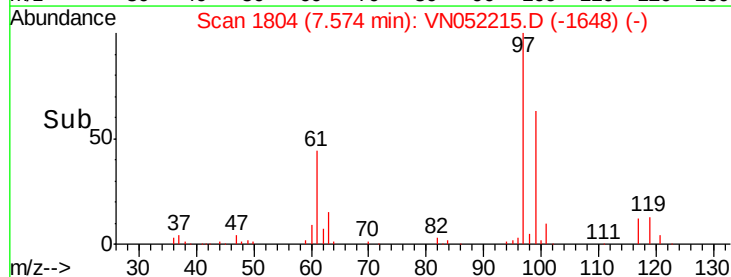
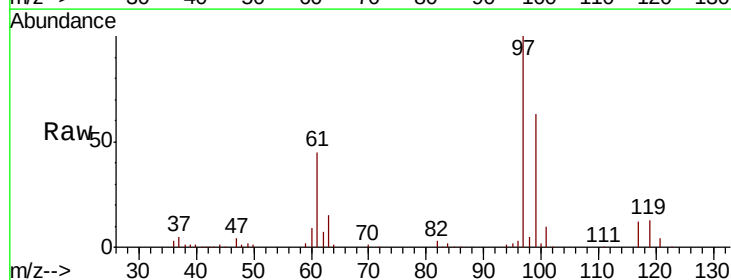
Manual Integrations
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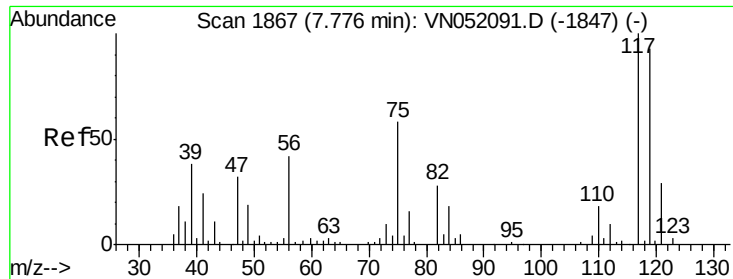
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 11/9/2018 11:48:58 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.228 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Tgt Ion: 97 Resp: 137117
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.7 77.5
 61 45.5 38.7 58.1





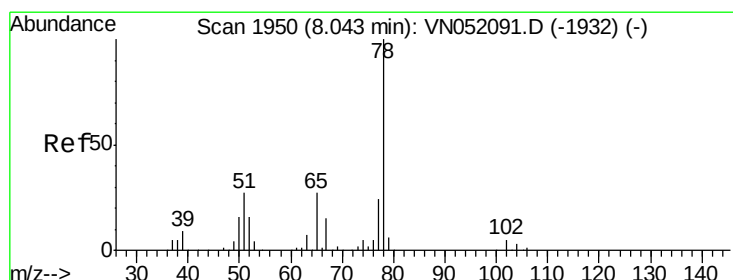
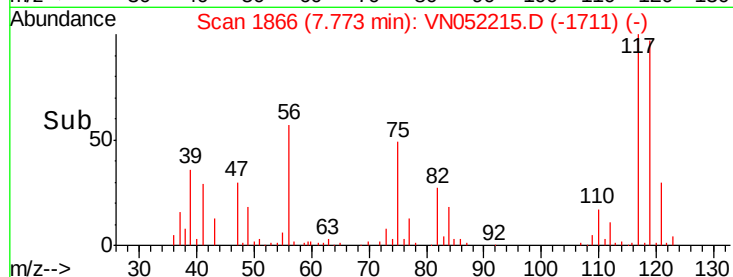
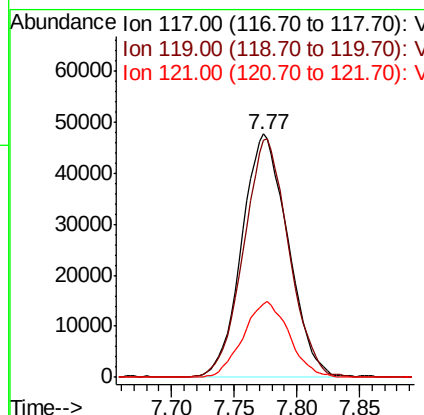
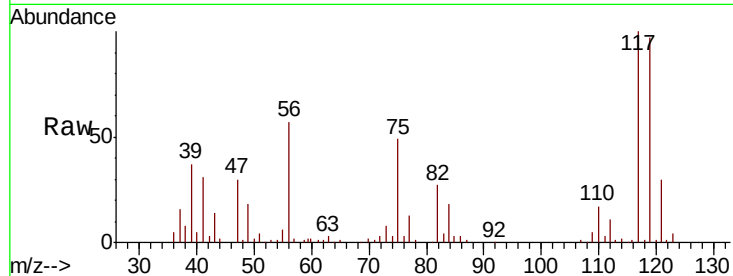
#33
Carbon Tetrachloride
Concen: 20.222 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		121906		
119	97.4	74.7	112.1		
121	30.2	23.4	35.0		

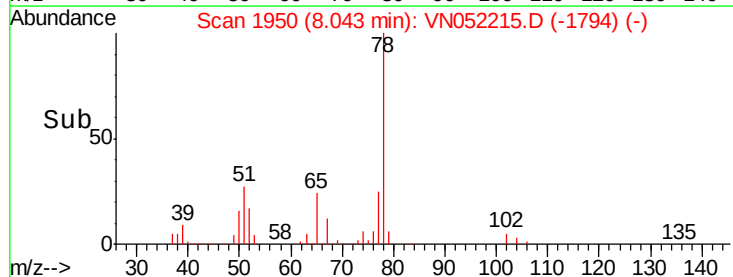
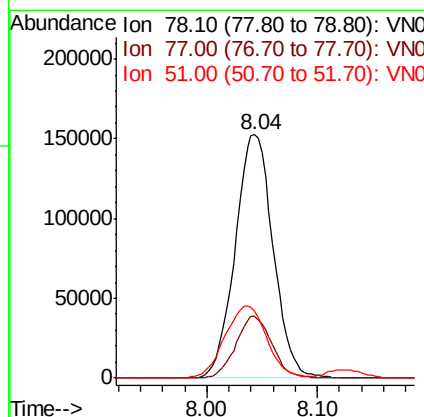
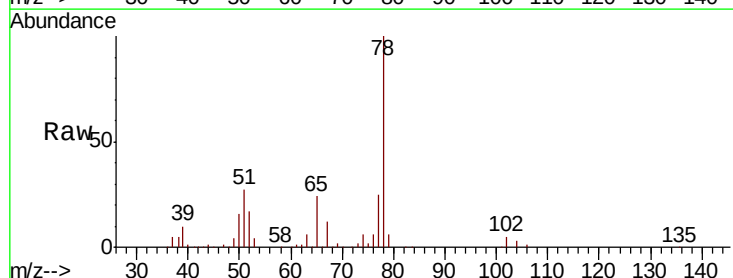
Manual Integrations
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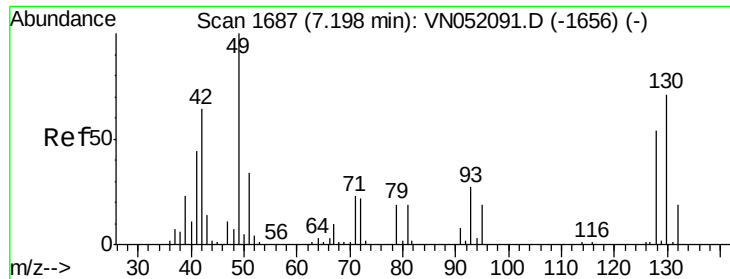
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#34
Benzene
Concen: 20.484 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
78	100		363367		
77	25.2	19.1	28.7		
51	26.8	21.2	31.8		





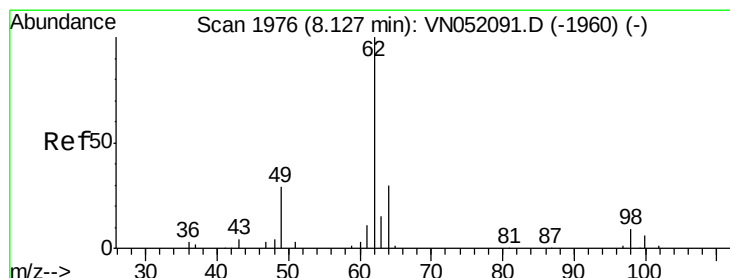
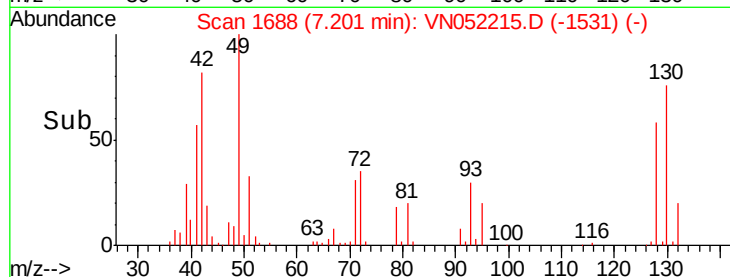
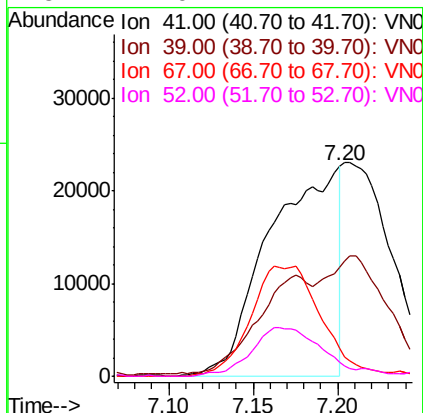
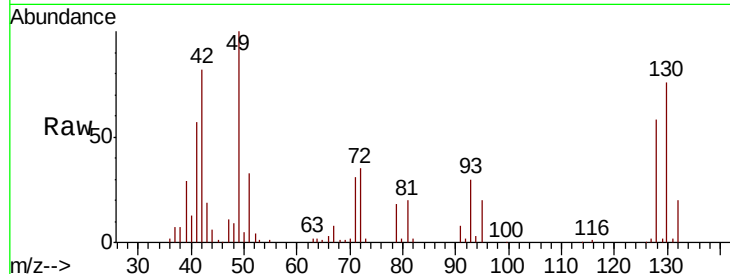
#35
Methacrylonitrile
Concen: 29.455 ug/l m
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 41 Resp: 65182
Ion Ratio Lower Upper
41 100
39 51.4 26.1 78.3
67 13.3 11.0 33.0
52 7.0 4.7 14.1

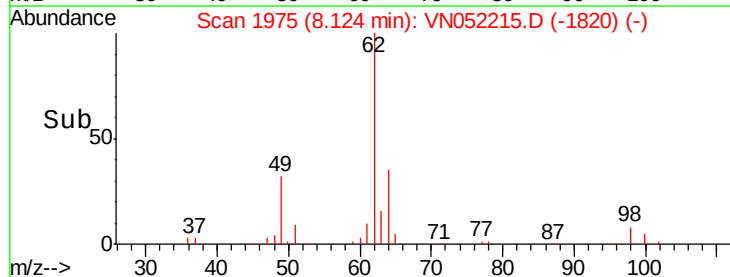
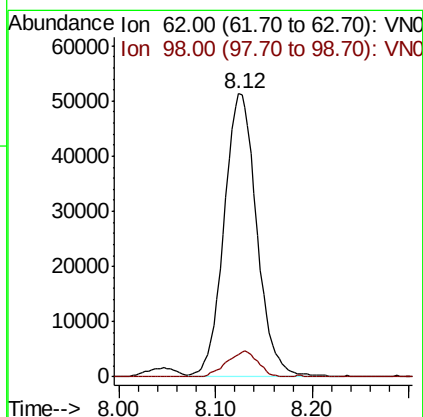
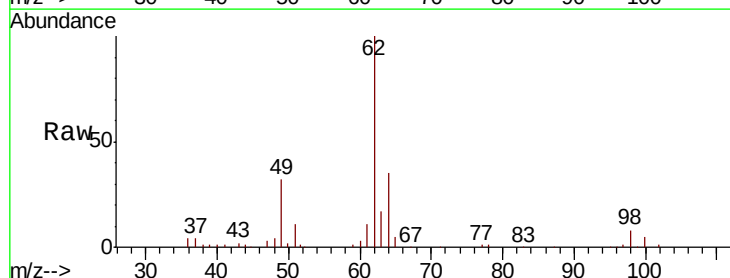
Manual Integrations
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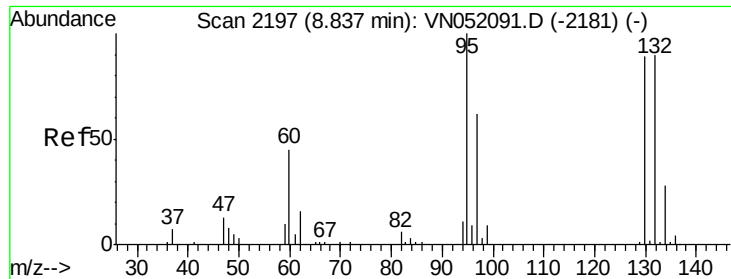
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11/9/2018 11:48:58 AM



#36
1,2-Dichloroethane
Concen: 20.351 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion: 62 Resp: 120707
Ion Ratio Lower Upper
62 100
98 8.7 6.7 10.1





#37

Trichloroethene

Concen: 20.896 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion:130 Resp: 92774

Ion Ratio Lower Upper

130 100

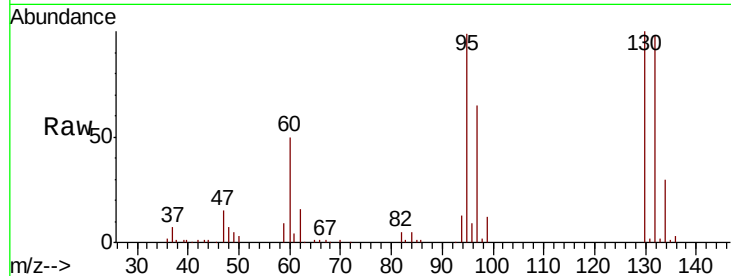
95 98.6 89.9 134.9

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

50000

40000

30000

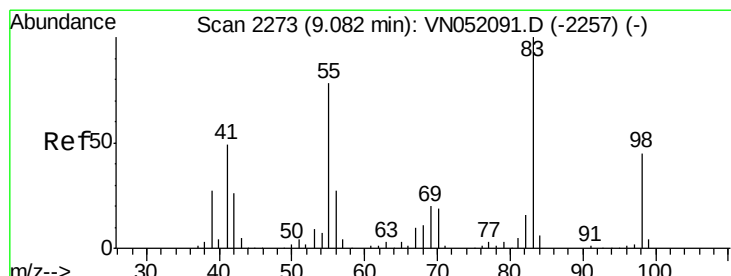
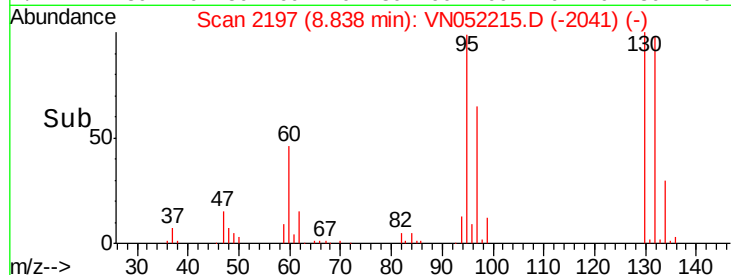
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 20.328 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

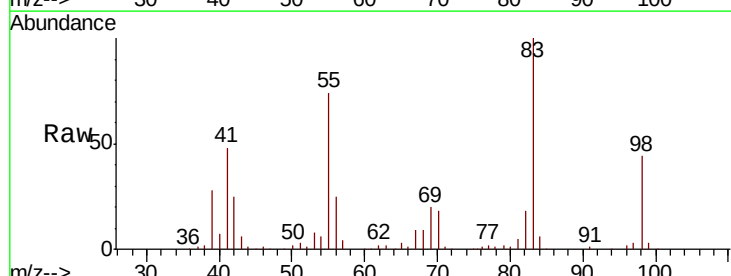
Tgt Ion: 83 Resp: 150235

Ion Ratio Lower Upper

83 100

55 73.5 38.5 115.3

98 45.3 23.2 69.6



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

100000

80000

60000

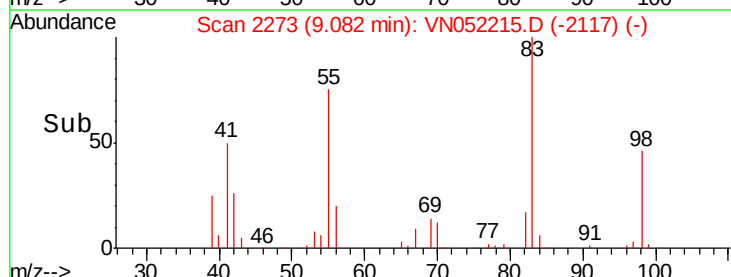
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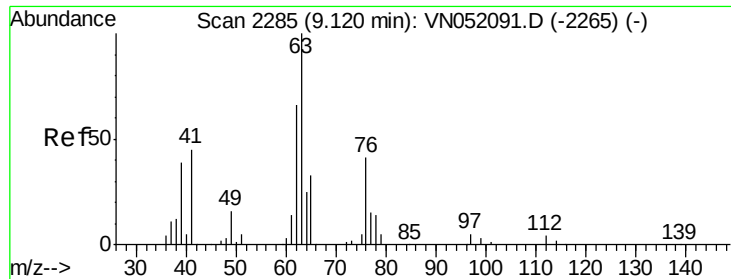
20000

0

9.00 9.05 9.10 9.15

Time-->





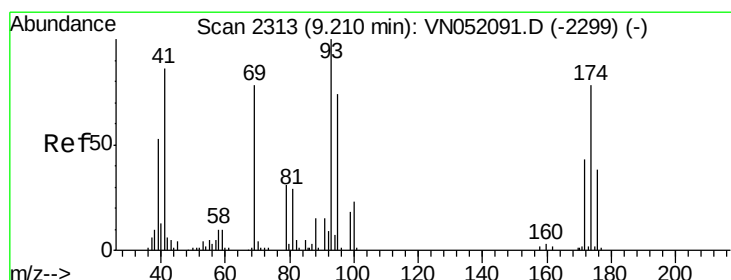
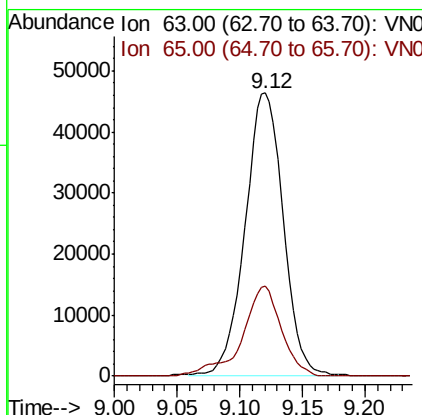
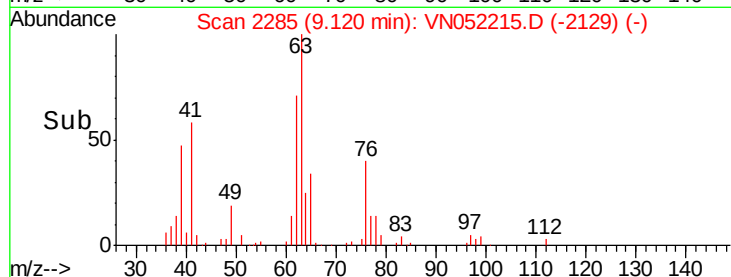
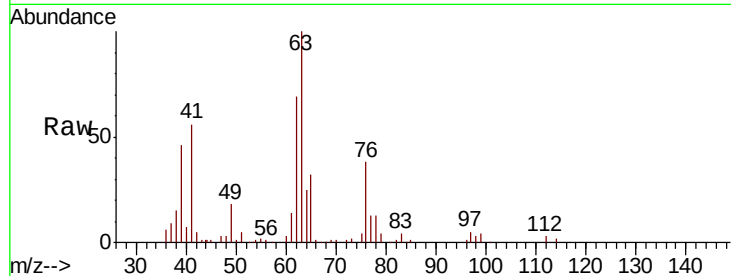
#39
 1,2-Dichloropropane
 Concen: 20.852 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 98466
 Ion Ratio Lower Upper
 63 100
 65 32.1 27.3 40.9

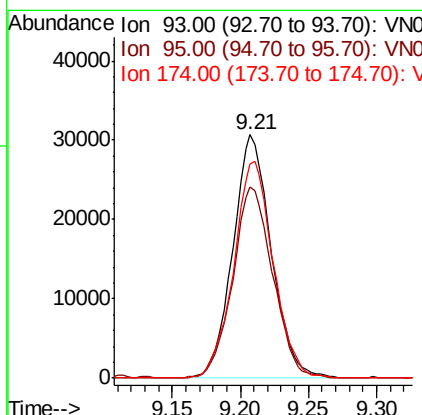
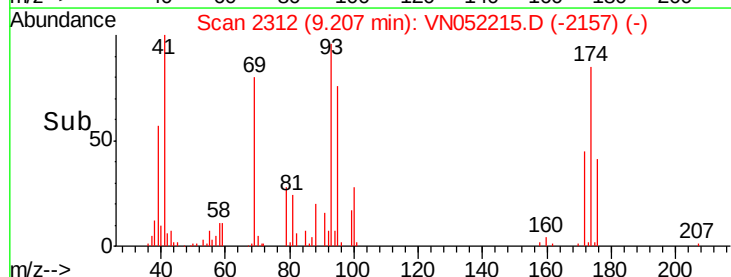
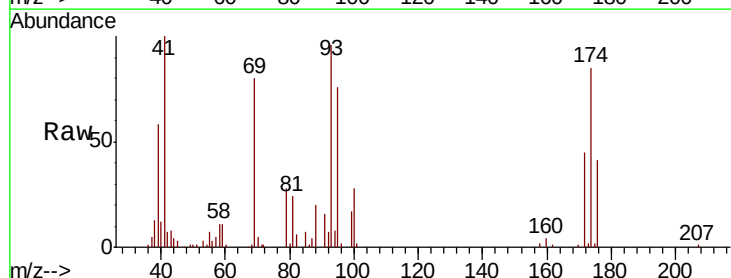
Manual Integrations
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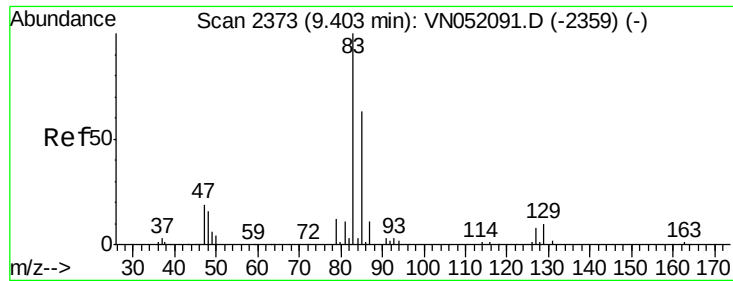
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#40
 Dibromomethane
 Concen: 20.623 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Tgt Ion: 93 Resp: 60026
 Ion Ratio Lower Upper
 93 100
 95 81.5 0.0 161.2
 174 91.3 0.0 165.0





#41

Bromodichloromethane

Concen: 19.689 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Instrument :

MSVOA_N

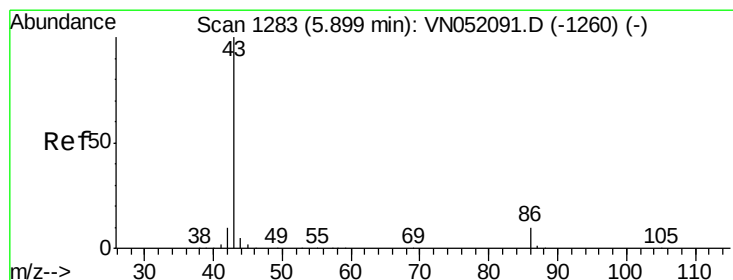
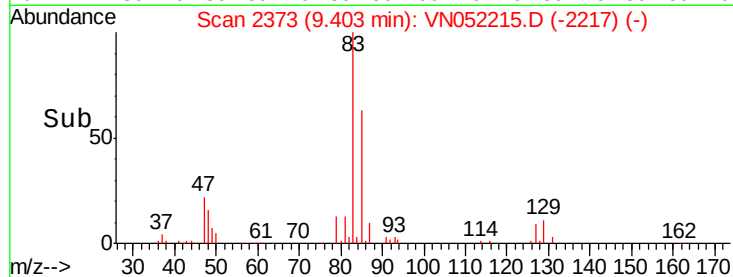
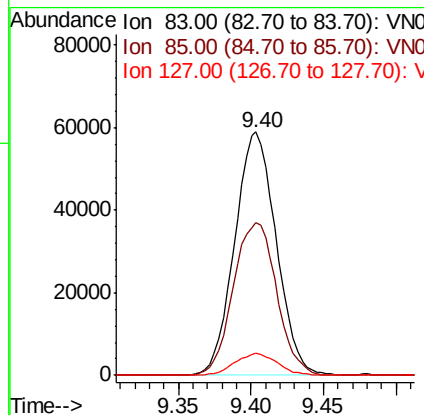
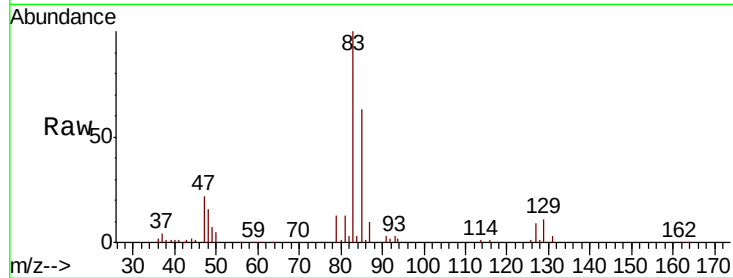
ClientSampled :

VSTDCCC020

Tot Ion:	83	Resp:	117254
Ion Ratio	Lower	Upper	
83	100		
85	62.6	50.2	75.2
127	8.9	6.6	10.0

Manual Integrations
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11/9/2018 11:48:58 AM



#42

Vinyl Acetate

Concen: 104.216 ug/l

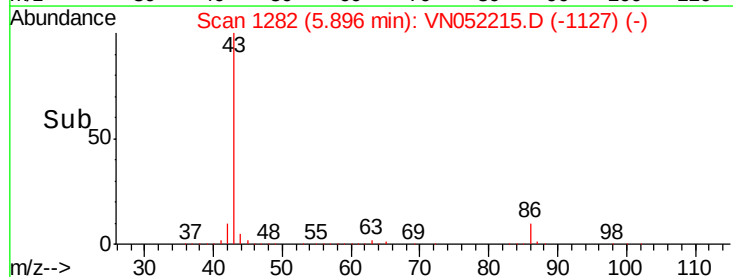
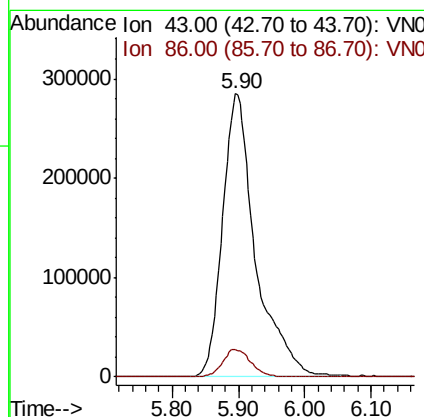
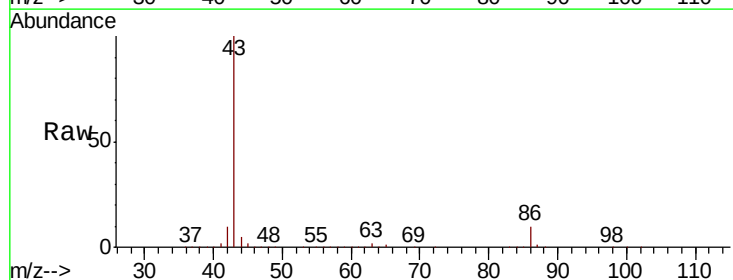
RT: 5.90 min Scan# 1282

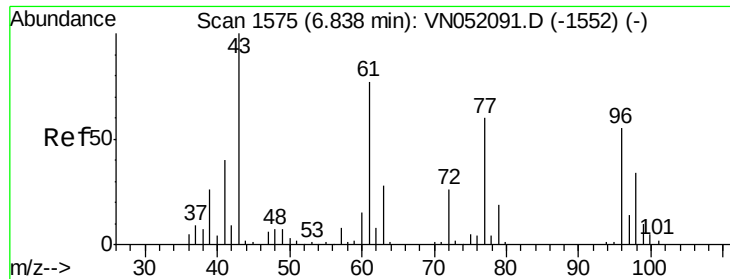
Delta R.T. -0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Tgt Ion:	43	Resp:	984337
Ion Ratio	Lower	Upper	
43	100		
86	8.2	6.6	10.0





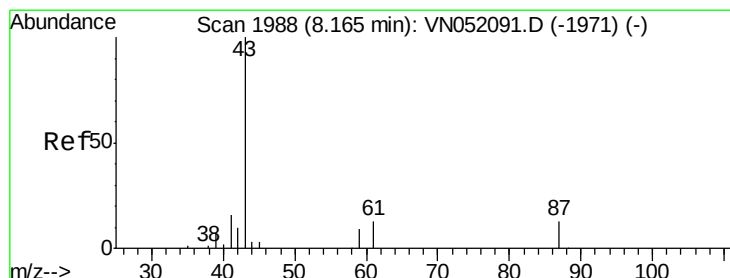
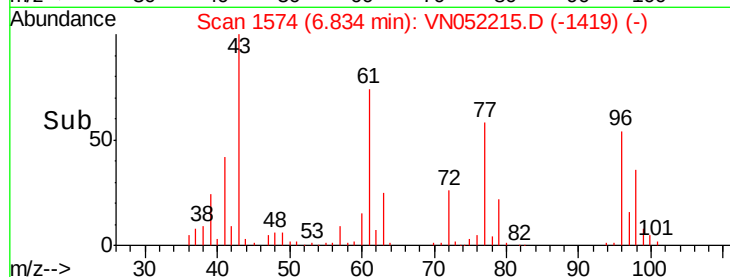
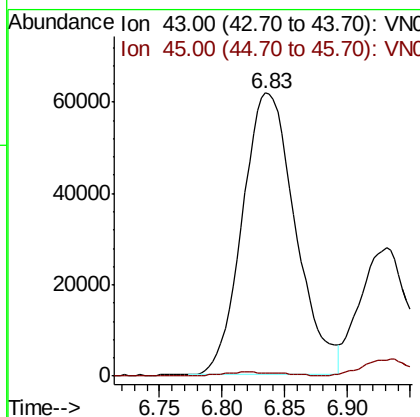
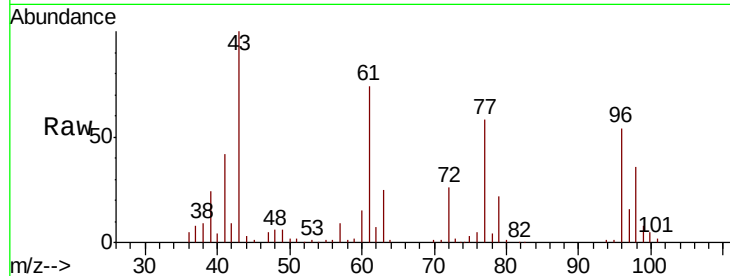
#43
Ethyl Acetate
Concen: 22.465 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 182147
Ion Ratio Lower Upper
43 100
45 0.5 3.8 5.8#

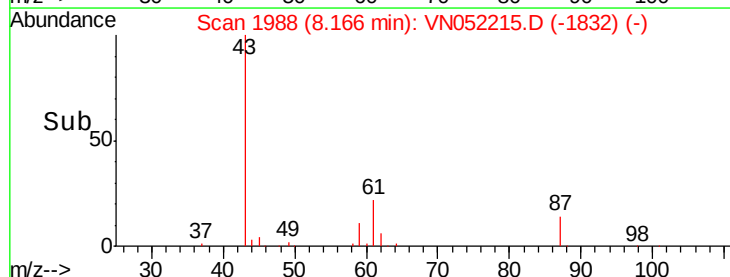
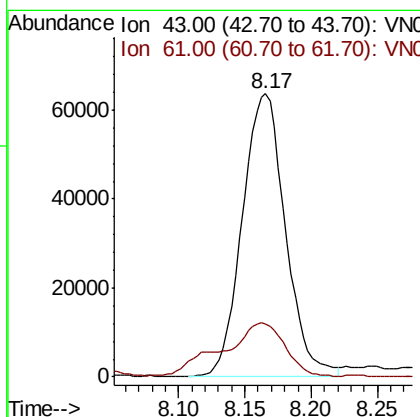
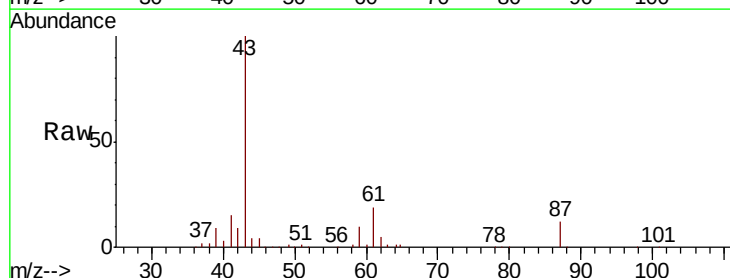
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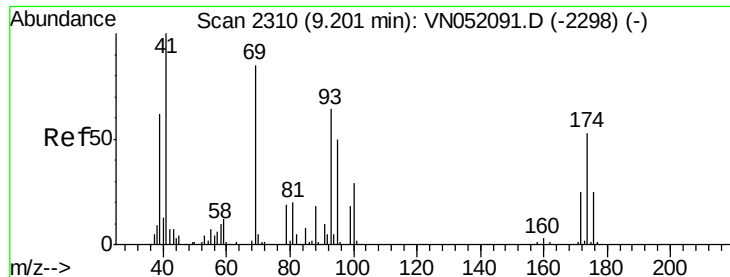
MMDadoda
11/9/2018 11:48:58 AM



#44
Isopropyl Acetate
Concen: 21.349 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion: 43 Resp: 143319
Ion Ratio Lower Upper
43 100
61 17.9 16.2 24.2





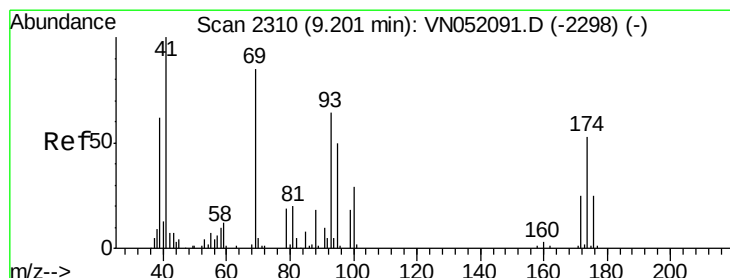
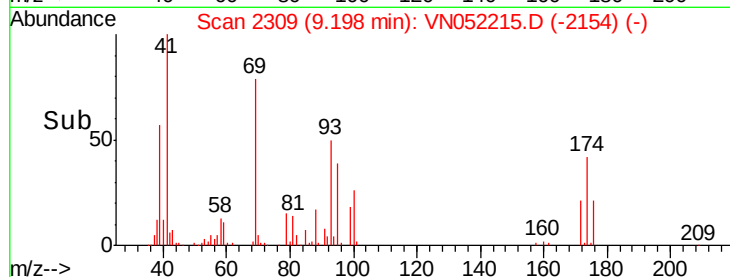
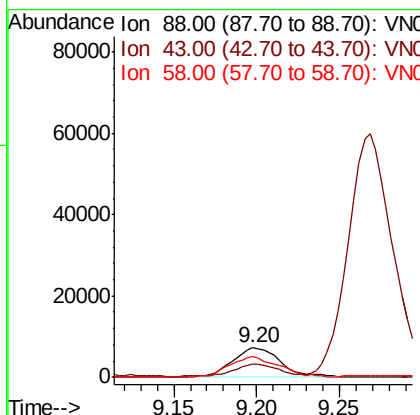
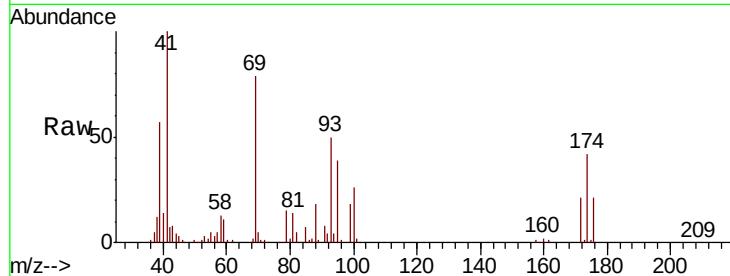
#45
 1,4-Dioxane
 Concen: 483.270 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	88	Resp	14800
Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.6	43.0
58	69.7	37.8	56.8#

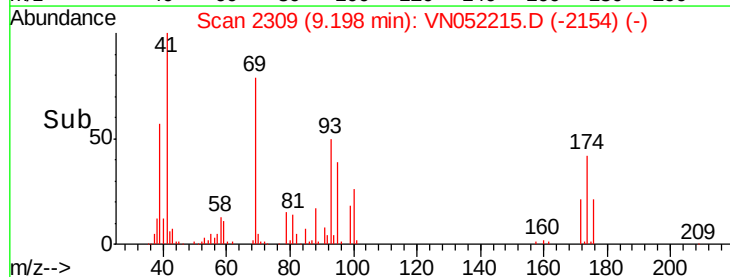
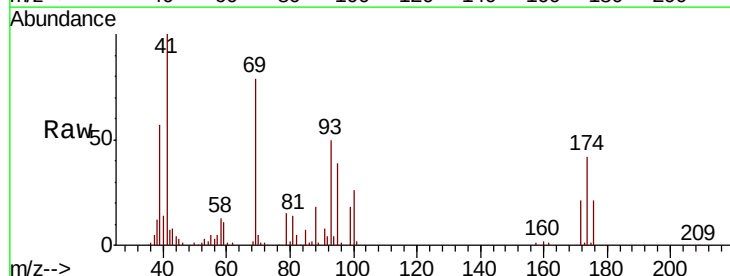
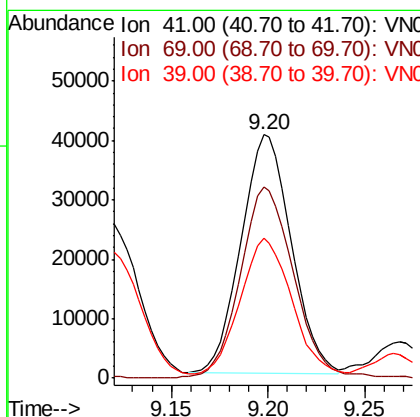
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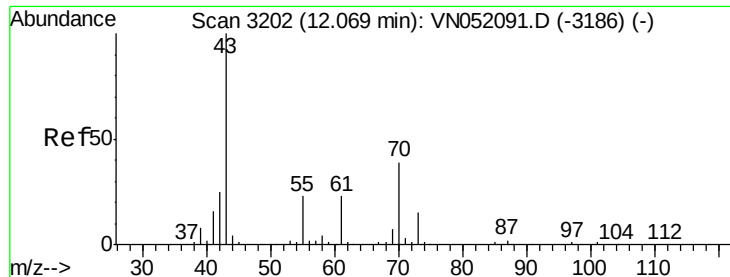
MMDadoda
 11/9/2018 11:48:58 AM



#46
 Methyl methacrylate
 Concen: 21.788 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Tgt Ion	41	Resp	72809
Ion	Ratio	Lower	Upper
41	100		
69	79.8	42.5	127.6
39	56.8	31.1	93.3





#47

n-amvl Acetate

Concen: 20.776 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 126423

Ion Ratio Lower Upper

43 100

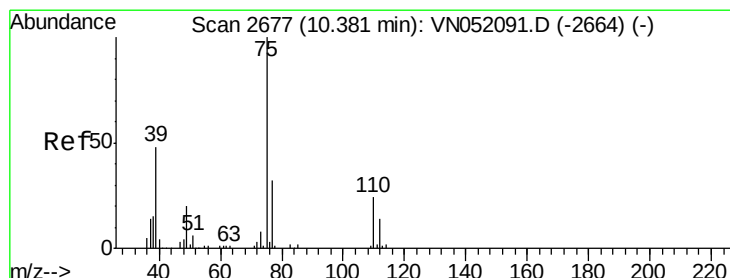
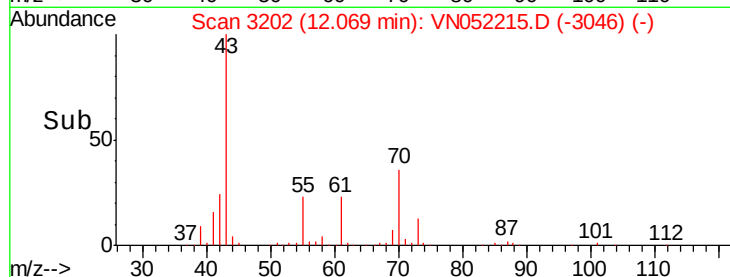
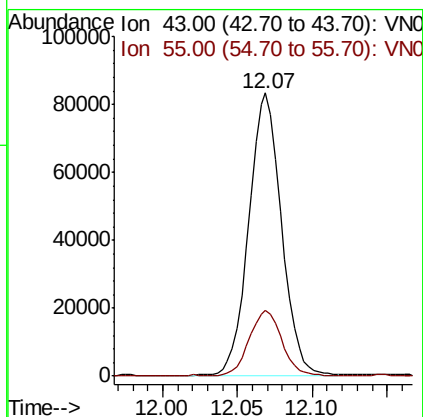
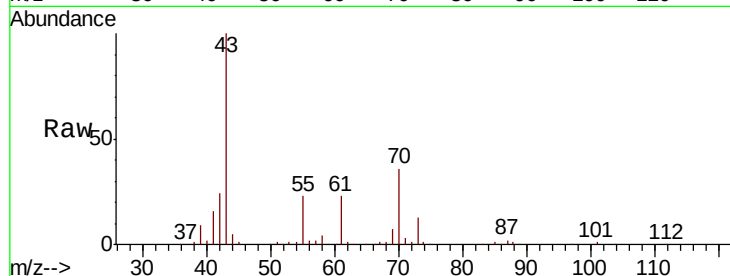
55 23.4 0.0 0.0#

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11/9/2018 11:48:58 AM



#48

t-1,3-Dichloropropene

Concen: 20.255 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052215.D

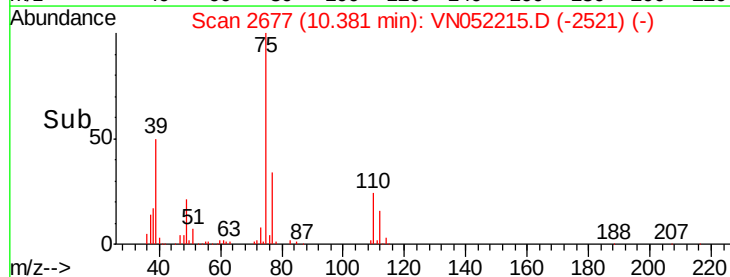
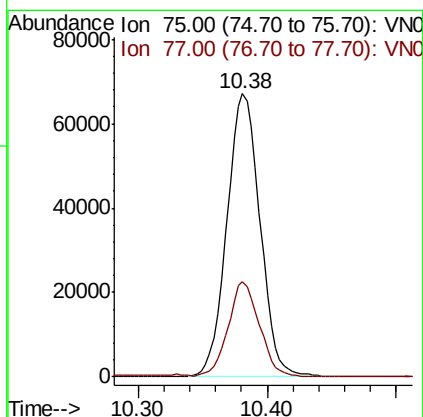
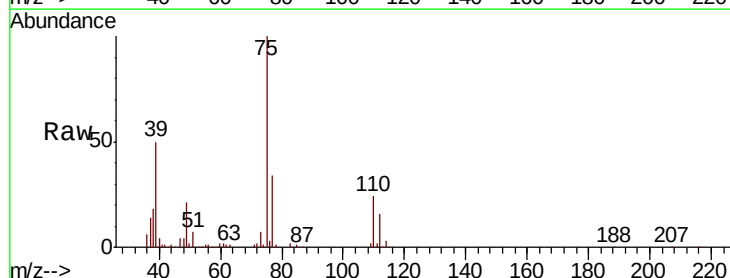
Acq: 8 Nov 2018 10:55

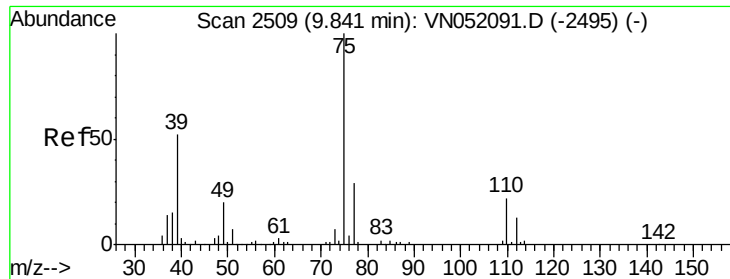
Tgt Ion: 75 Resp: 119777

Ion Ratio Lower Upper

75 100

77 33.4 26.3 39.5





#49

cis-1,3-Dichloropropene

Concen: 20.194 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Instrument :

MSVOA_N

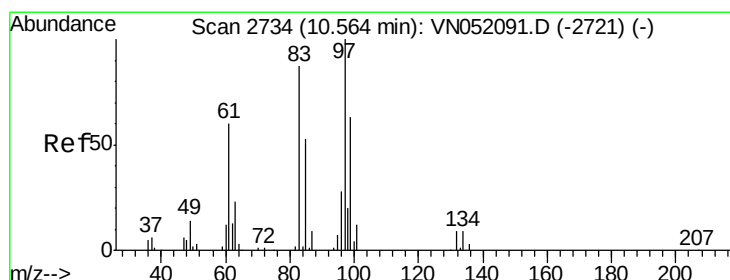
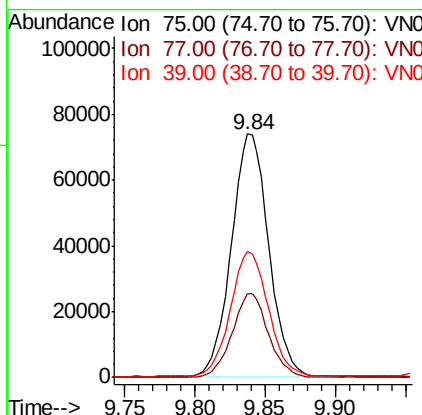
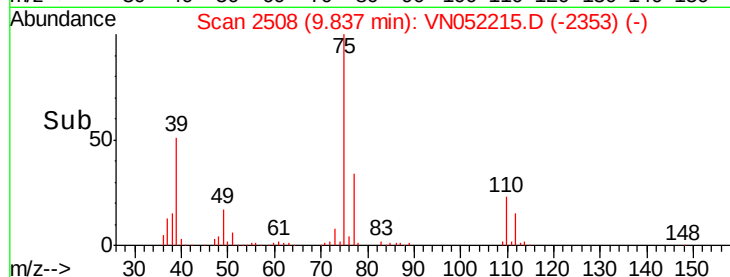
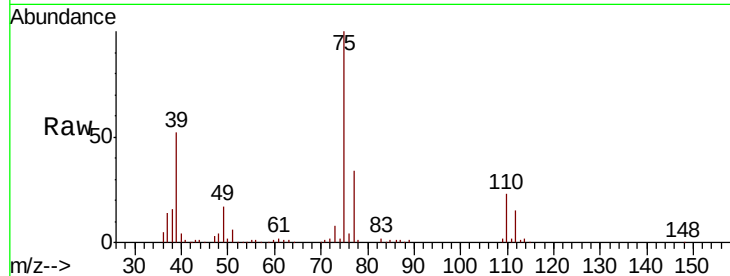
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	137832
Ion Ratio	Lower	Upper	
75	100		
77	34.1	23.3	34.9
39	50.9	41.6	62.4

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#50

1,1,2-Trichloroethane

Concen: 20.864 ug/l

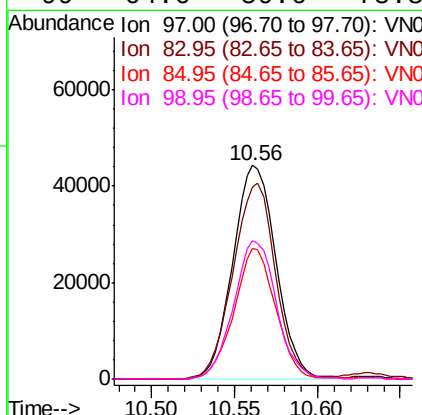
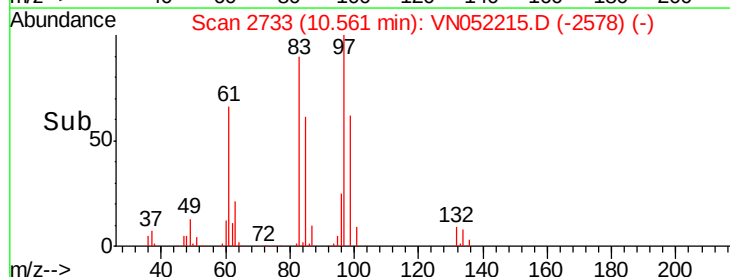
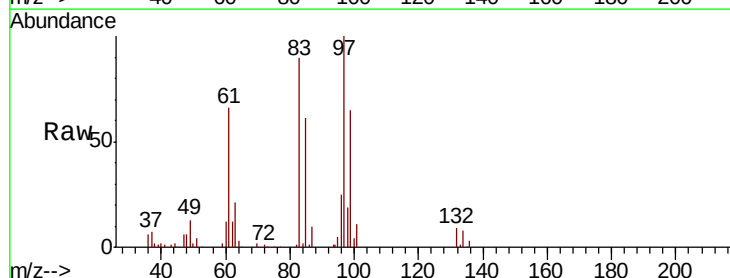
RT: 10.56 min Scan# 2733

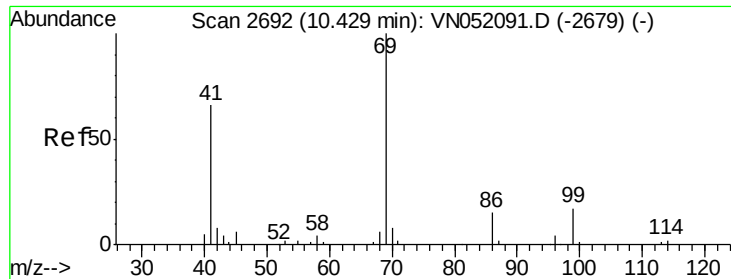
Delta R.T. -0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Tgt Ion:	97	Resp:	80303
Ion Ratio	Lower	Upper	
97	100		
83	89.6	69.4	104.0
85	61.3	42.7	64.1
99	64.6	50.6	75.8





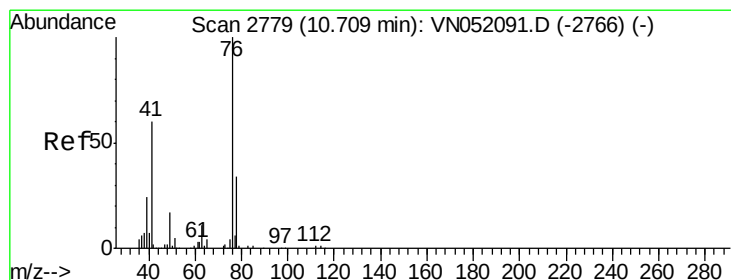
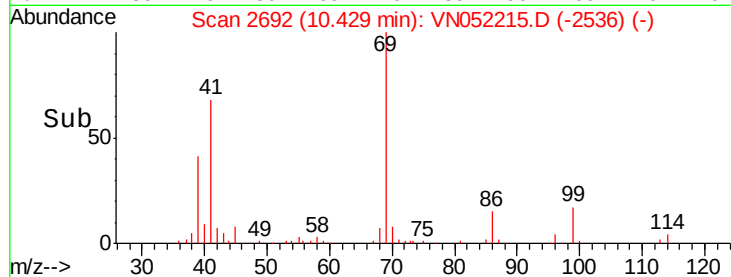
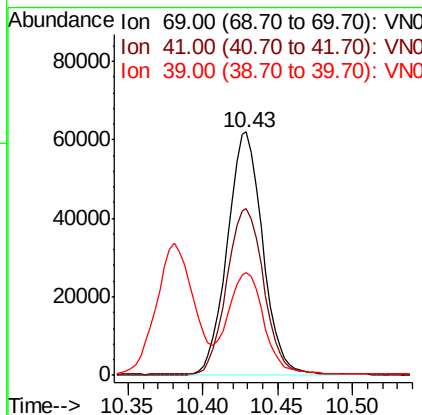
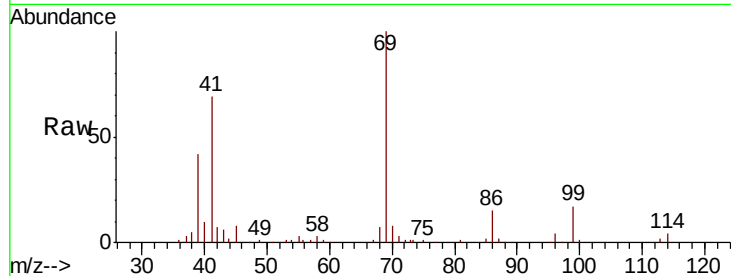
#51
Ethyl methacrylate
Concen: 20.697 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
69	100		
41	68.0	33.0	99.0
39	41.4	20.7	62.1

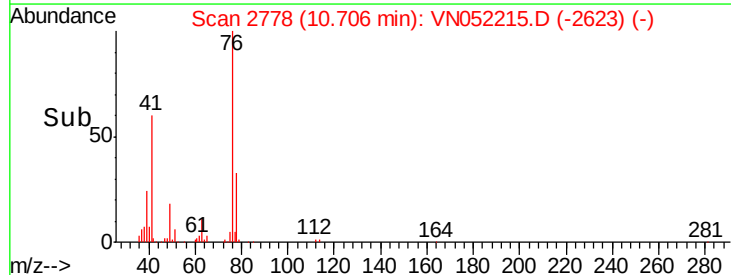
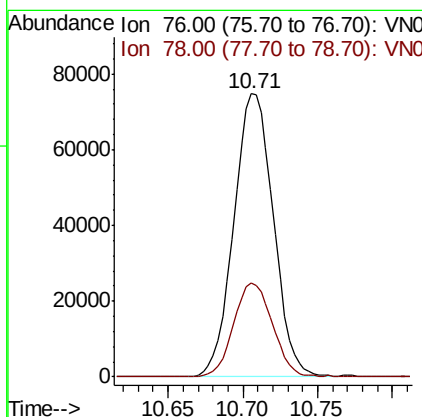
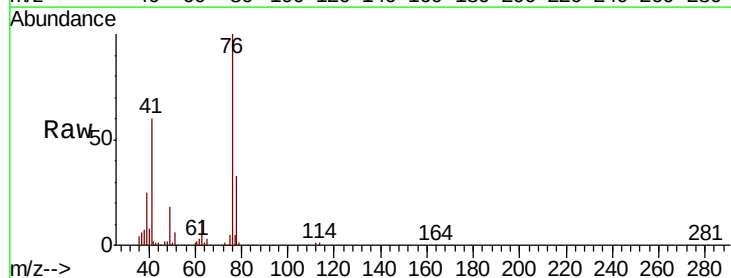
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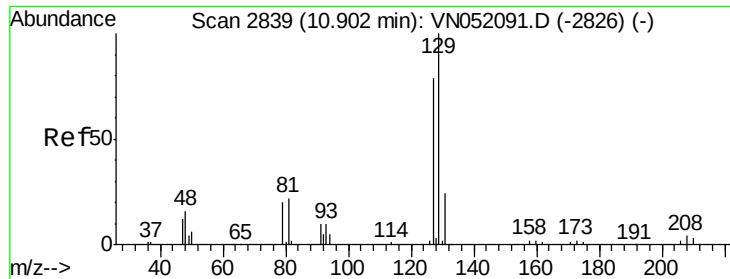
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11/9/2018 11:48:58 AM



#52
1,3-Dichloropropane
Concen: 20.544 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	65.0





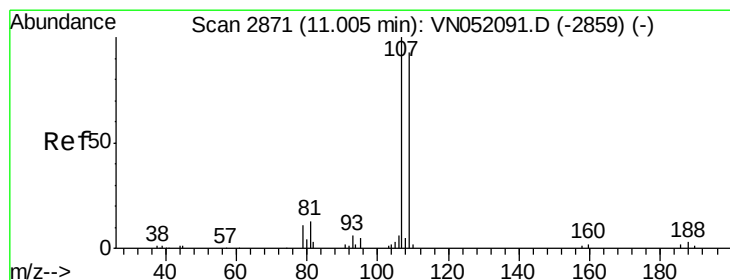
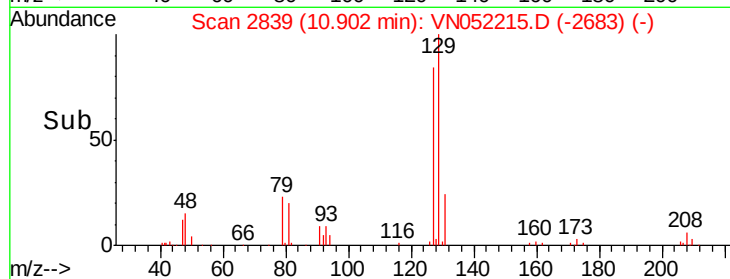
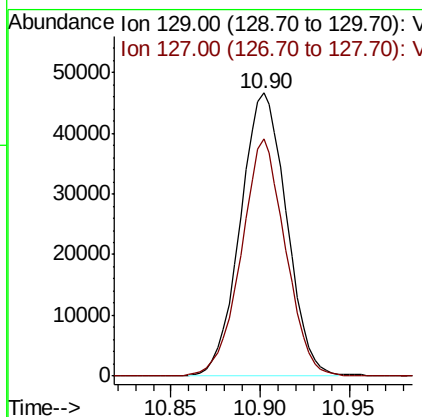
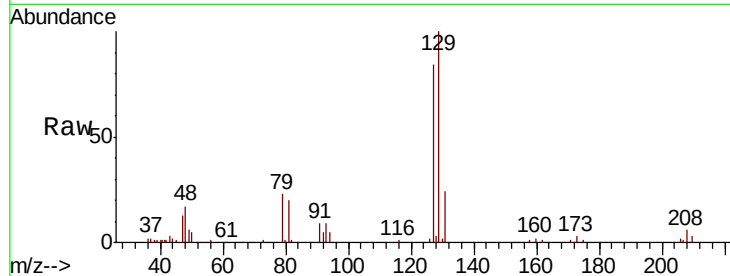
#53
 Dibromochloromethane
 Concen: 20.278 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:129 Resp: 84259
 Ion Ratio Lower Upper
 129 100
 127 80.1 39.2 117.6

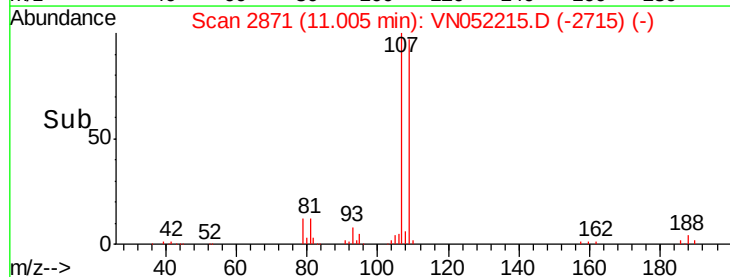
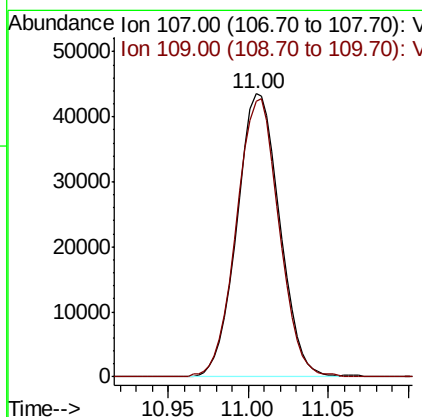
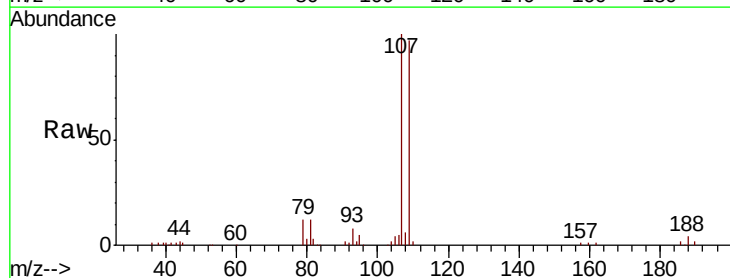
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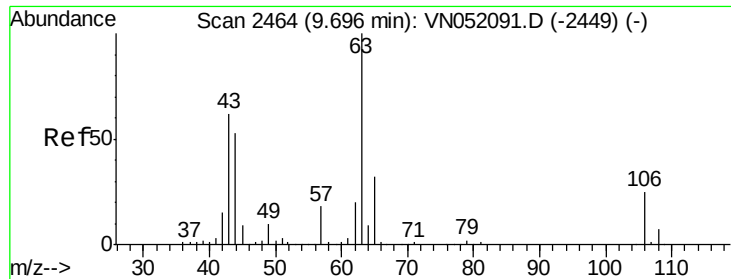
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 11/9/2018 11:48:58 AM



#54
 1,2-Dibromoethane
 Concen: 20.264 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Tgt Ion:107 Resp: 79090
 Ion Ratio Lower Upper
 107 100
 109 98.2 77.0 115.6





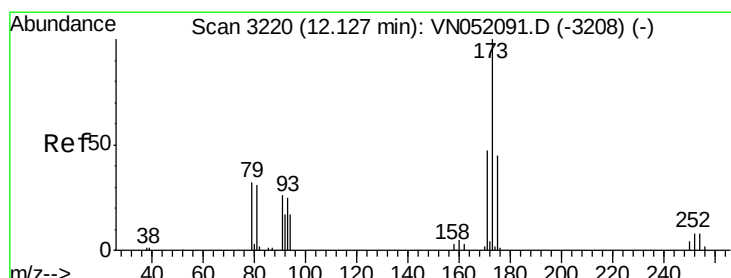
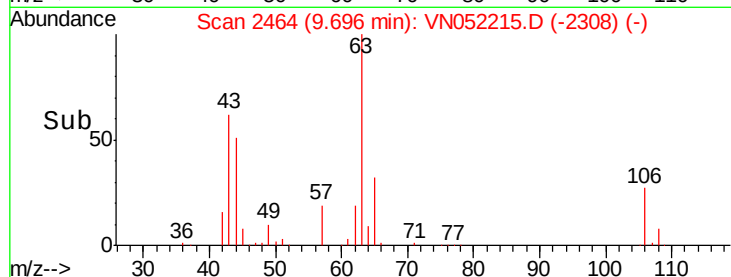
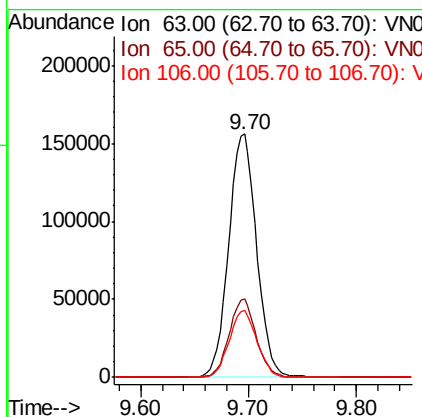
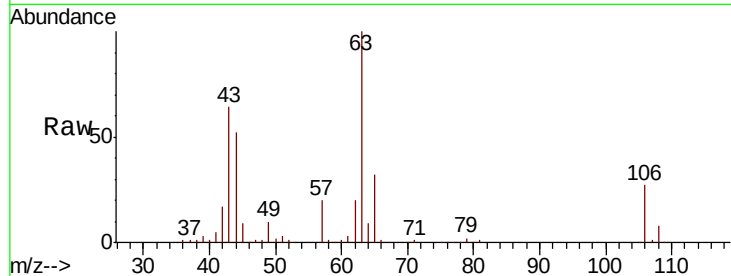
#55
2-Chloroethyl vinyl ether
Concen: 102.792 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	279996		
65	31.1		25.5	38.3
106	27.3		20.4	30.6

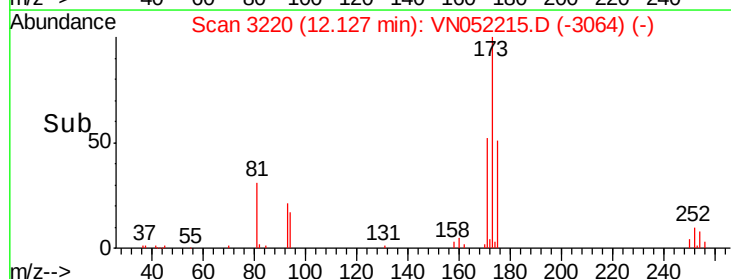
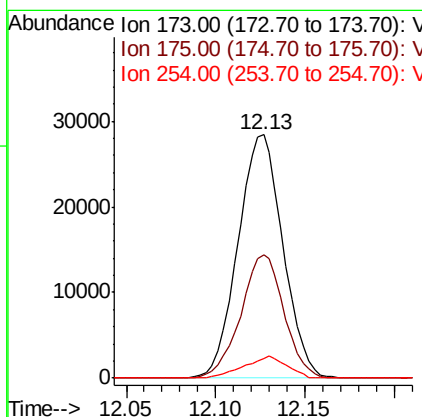
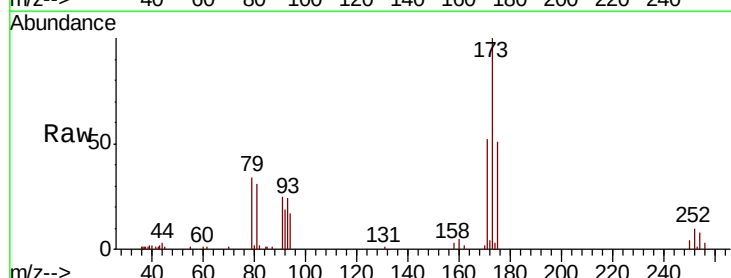
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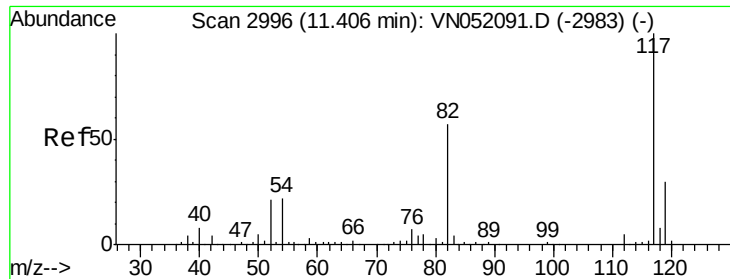
MMDadoda
11/9/2018 11:48:58 AM



#56
Bromoform
Concen: 20.794 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	49902		
175	48.8		37.3	55.9
254	8.6		7.0	10.6





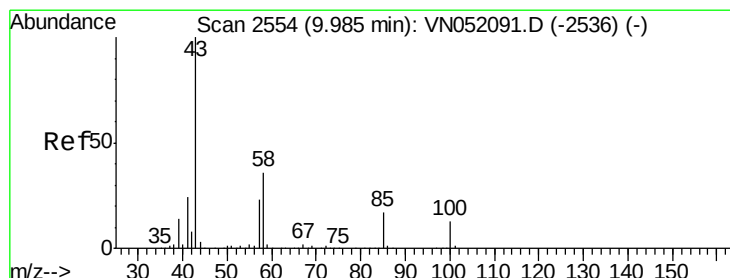
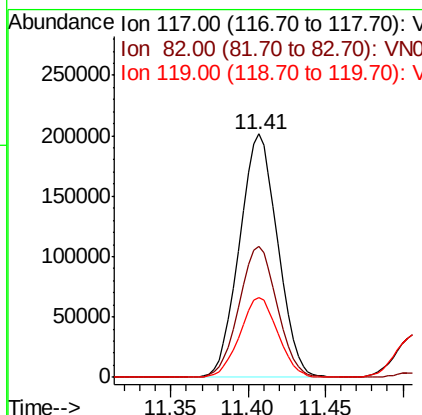
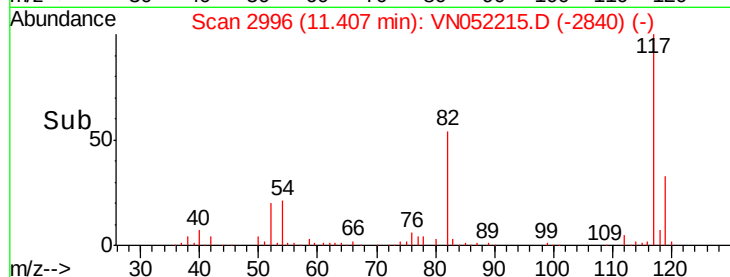
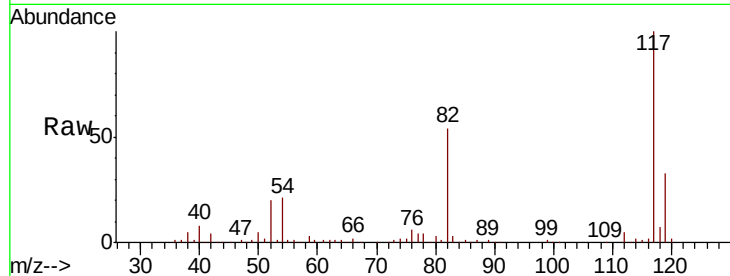
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.0	67.6
119	32.6	24.2	36.4

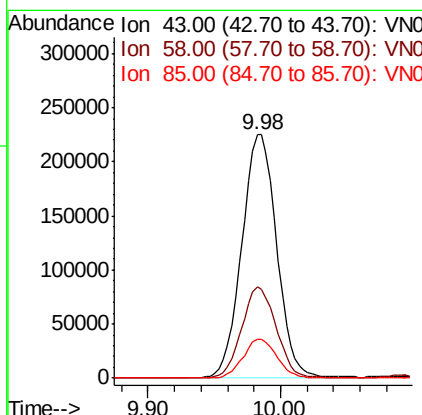
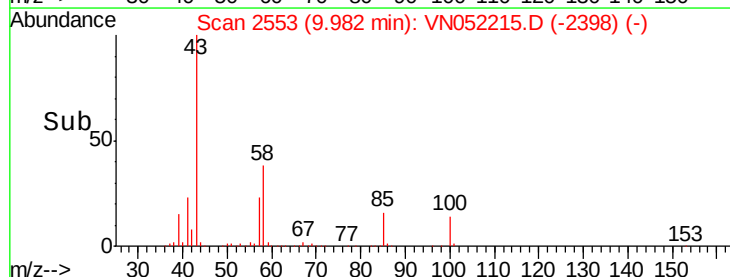
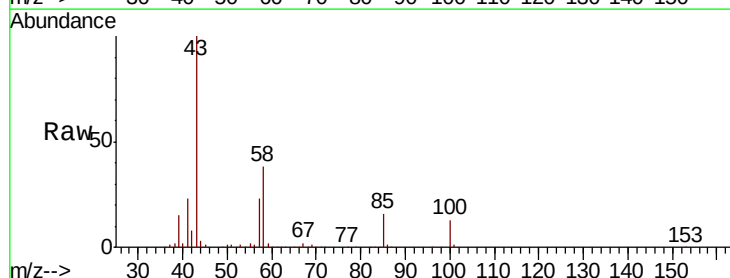
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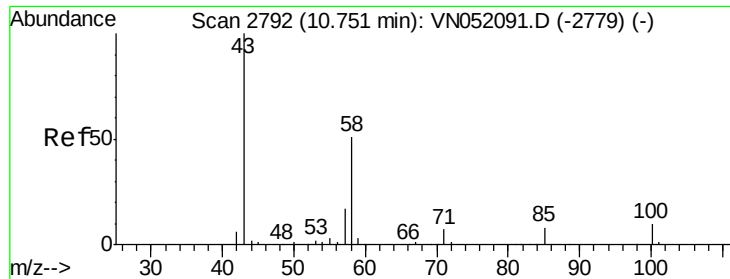
MMDadoda
11/9/2018 11:48:58 AM



#58
4-Methyl-2-Pentanone
Concen: 110.980 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.0	43.6
85	15.7	13.4	20.2





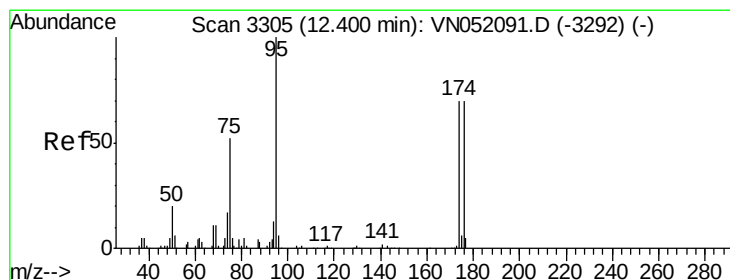
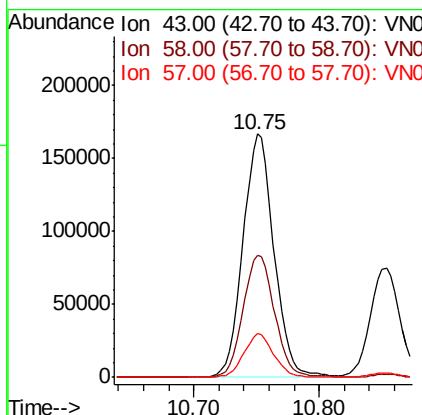
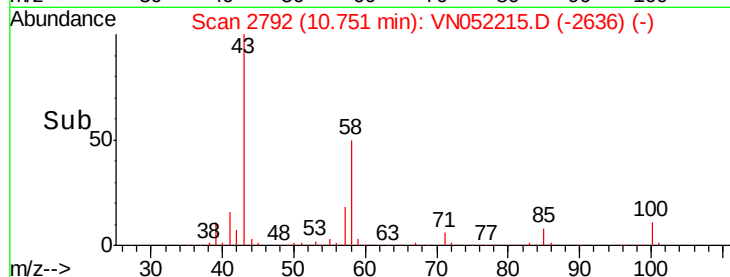
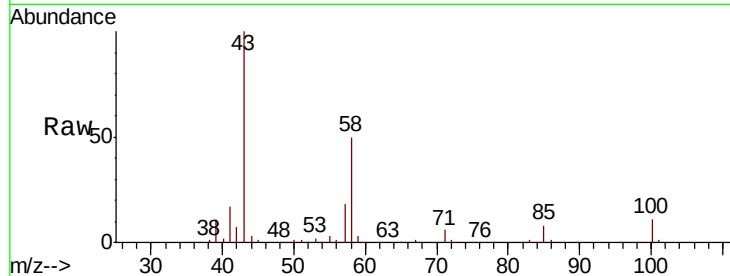
#59
2-Hexanone
Concen: 112.050 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.1	40.8	61.2
57	17.4	13.8	20.8

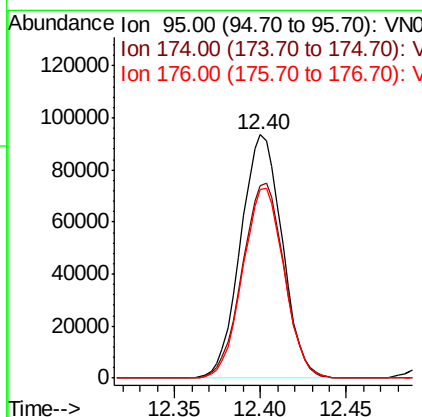
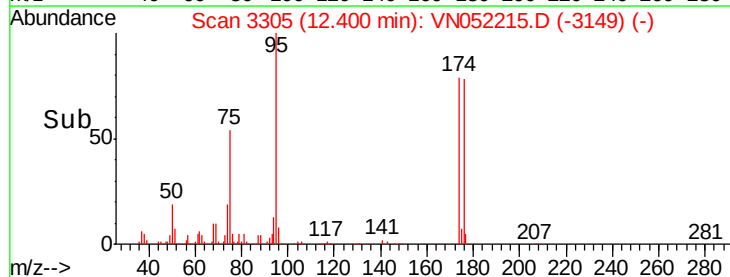
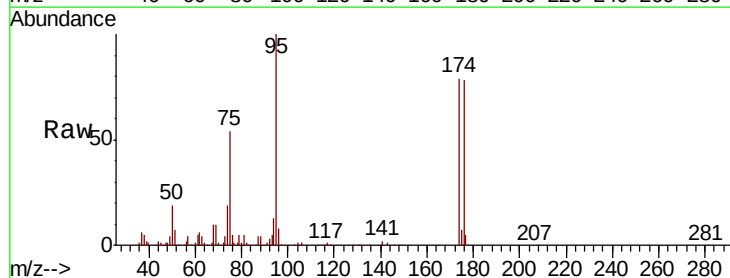
Manual Integrations
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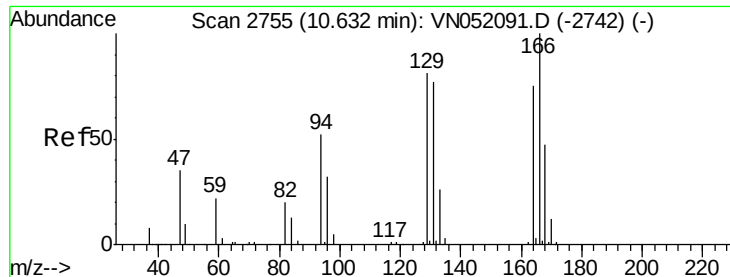
MMDadoda
11/9/2018 11:48:58 AM



#60
4-Bromofluorobenzene
Concen: 112.050 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.5	55.0	82.6
176	77.9	54.2	81.4





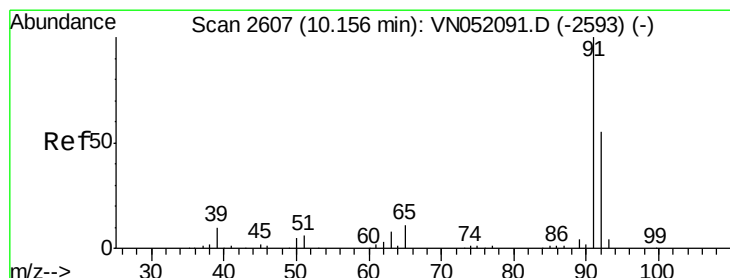
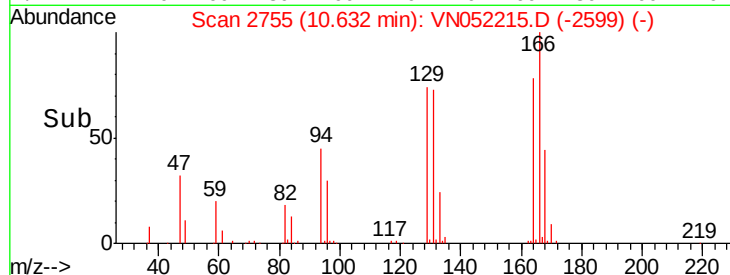
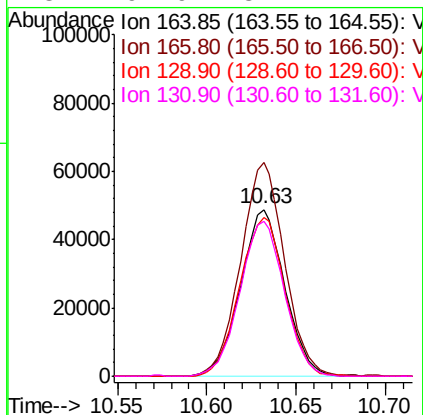
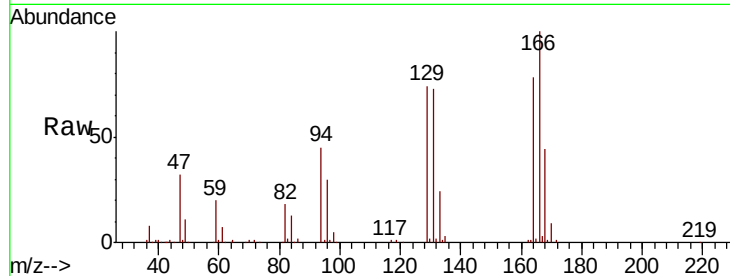
#61
Tetrachloroethene
Concen: 22.527 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.6	106.4	159.6
129	95.2	87.0	130.4
131	92.9	81.4	122.2

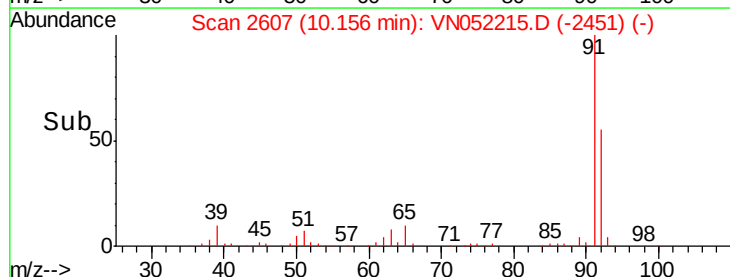
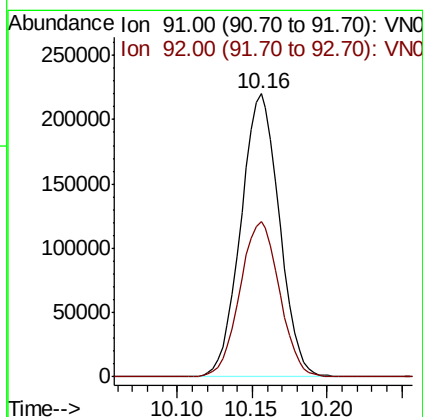
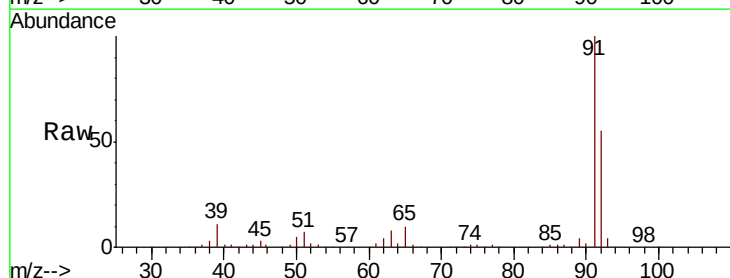
Manual Integrations
APPROVED

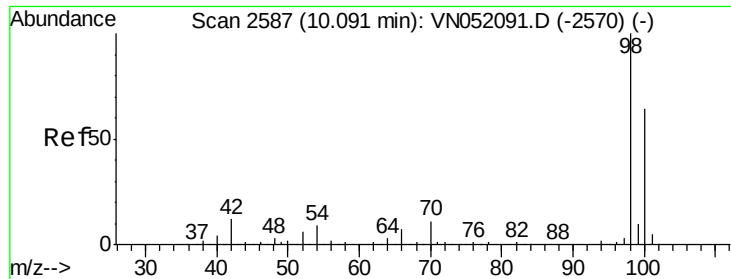
MMDadoda
11/9/2018 11:48:58 AM



#62
Toluene
Concen: 20.333 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.4	44.6	67.0





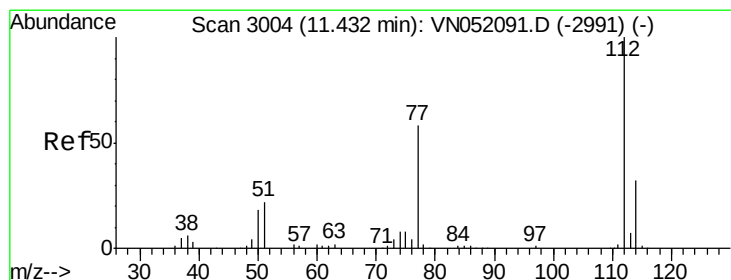
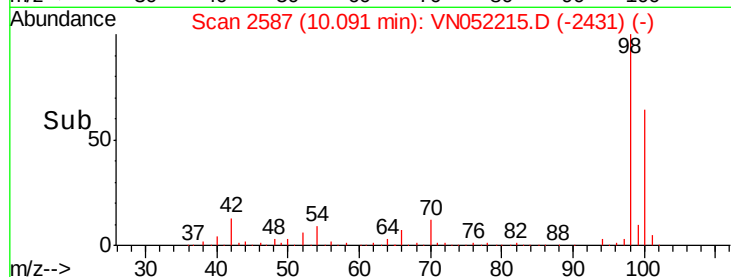
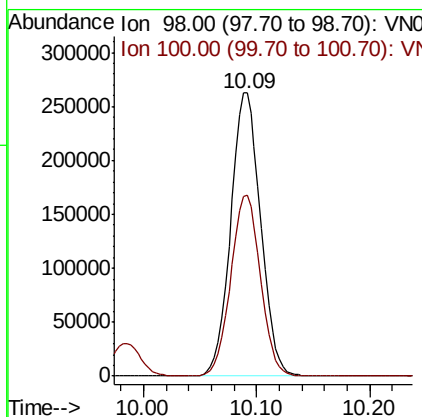
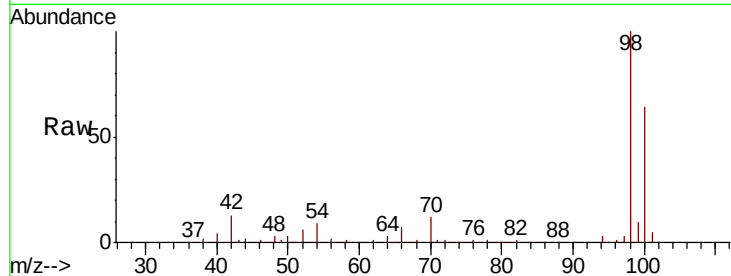
#63
Toluene-d8
Concen: 20.333 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 482461
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1

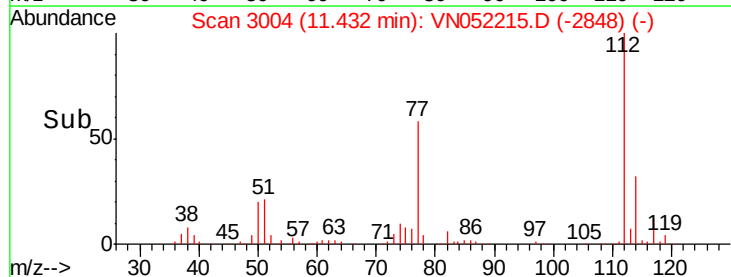
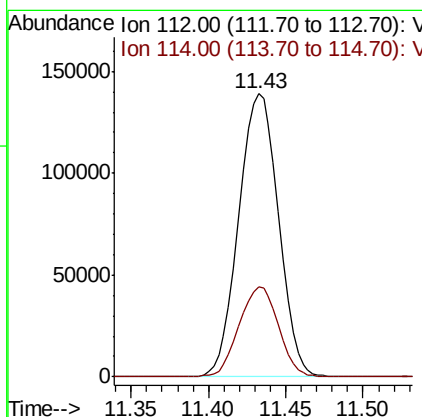
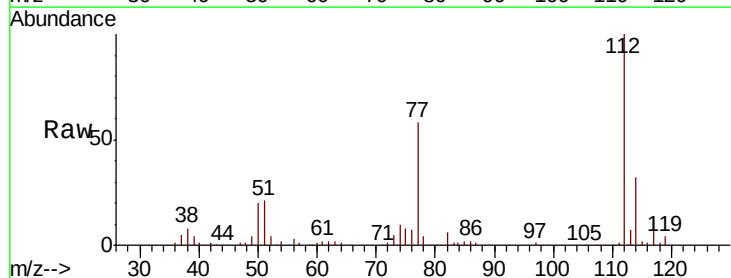
Manual Integrations
APPROVED

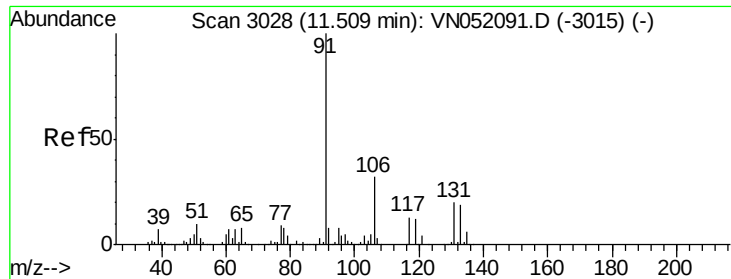
MMDadoda
11/9/2018 11:48:58 AM



#64
Chlorobenzene
Concen: 20.243 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion: 112 Resp: 249157
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 21.380 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Instrument :

MSVOA_N

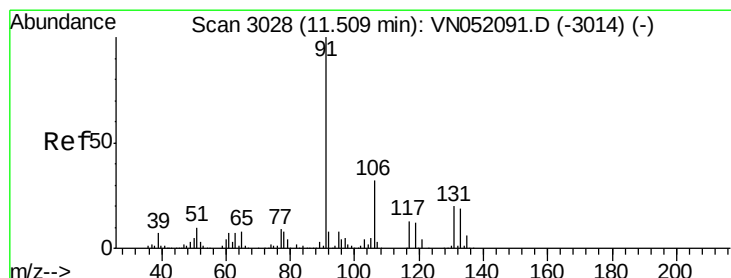
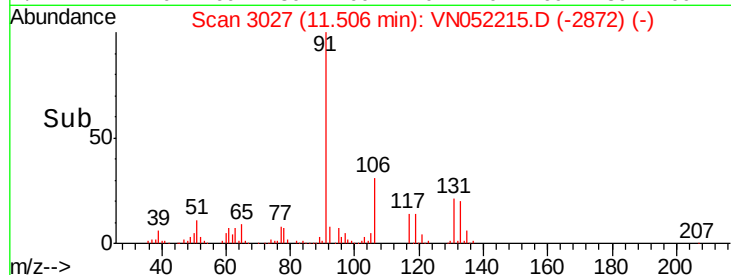
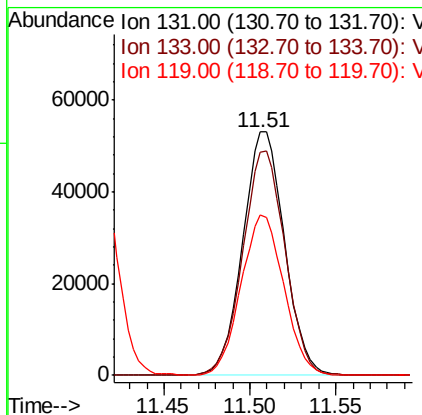
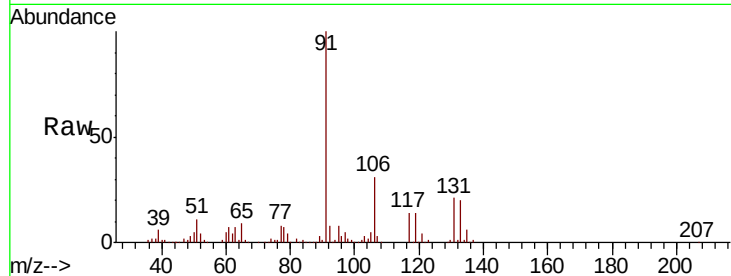
ClientSampled :

VSTDCCC020

Tot Ion:	131	Resp:	89565
Ion Ratio	Lower	Upper	
131	100		
133	93.2	0.0	188.8
119	67.6	0.0	131.4

Manual Integrations
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11/9/2018 11:48:58 AM



#66

Ethyl Benzene

Concen: 20.425 ug/l

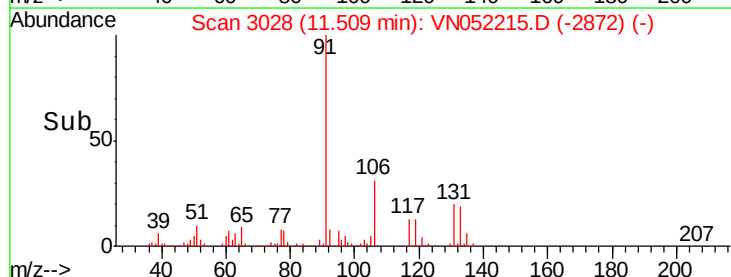
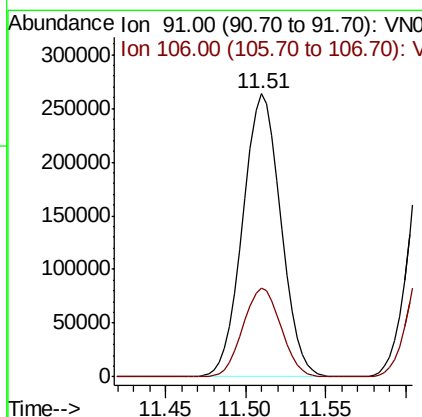
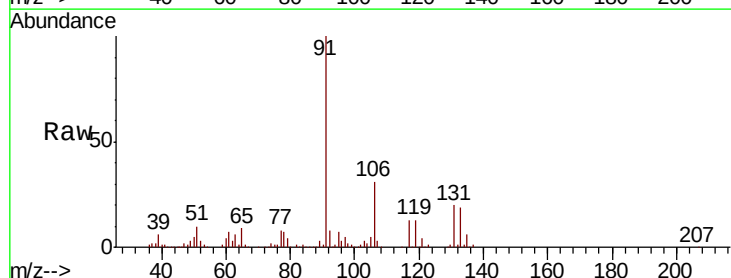
RT: 11.51 min Scan# 3028

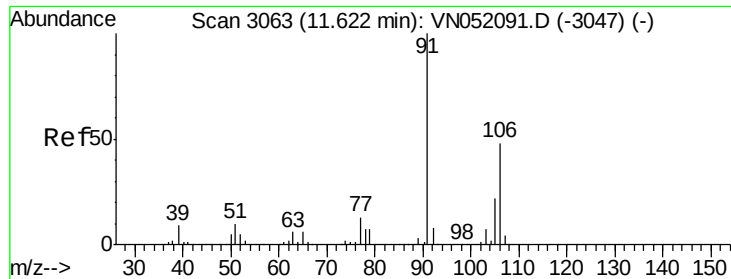
Delta R.T. 0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Tgt Ion:	91	Resp:	428464
Ion Ratio	Lower	Upper	
91	100		
106	31.4	25.7	38.5





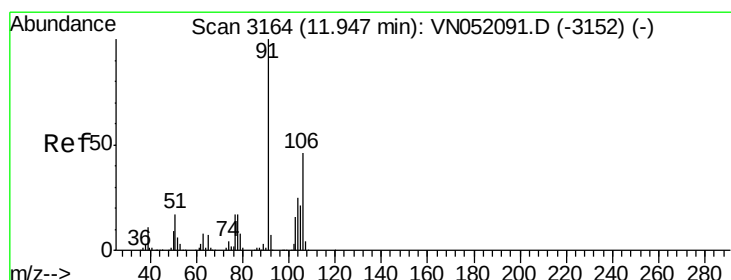
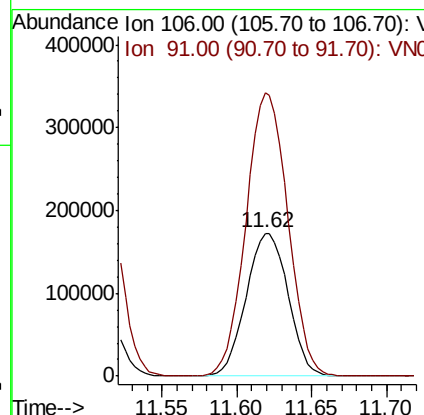
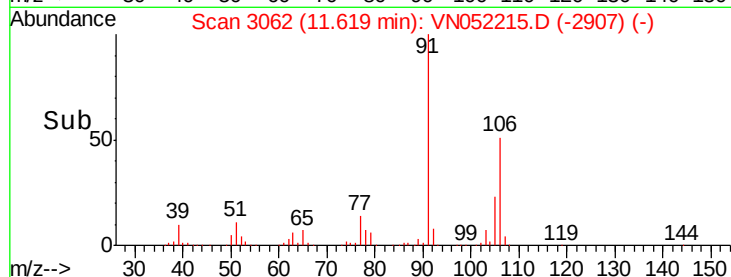
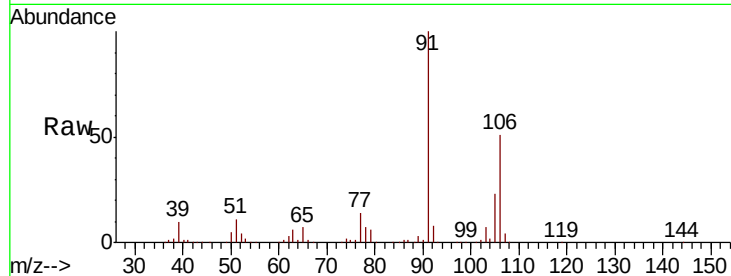
#67
m/p-Xylenes
Concen: 41.520 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 335329
Ion Ratio Lower Upper
106 100
91 198.3 163.6 245.4

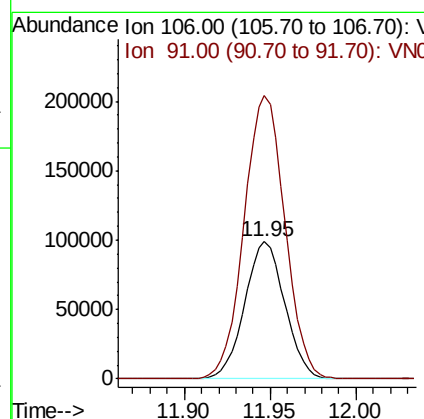
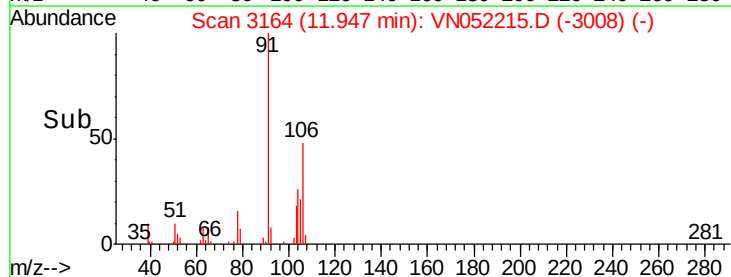
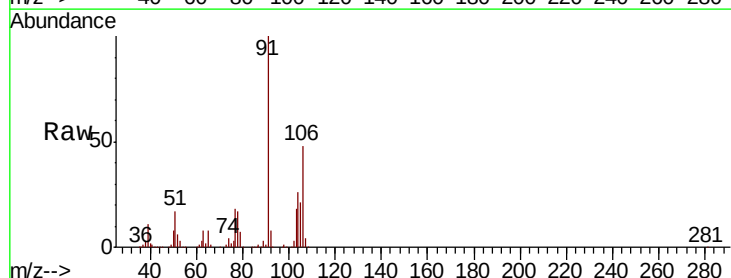
Manual Integrations
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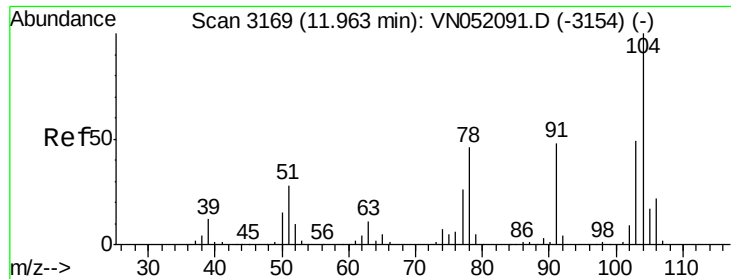
MMDadoda
11/9/2018 11:48:58 AM



#68
o-Xylene
Concen: 20.764 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion:106 Resp: 159883
Ion Ratio Lower Upper
106 100
91 211.0 110.0 330.0





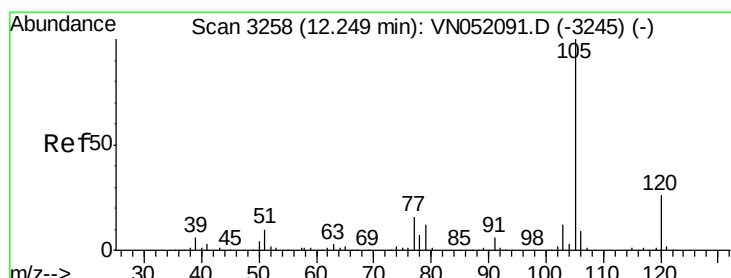
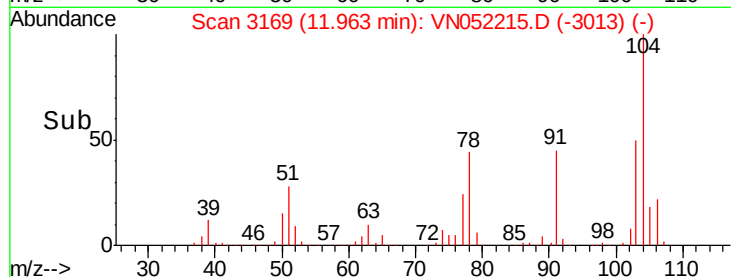
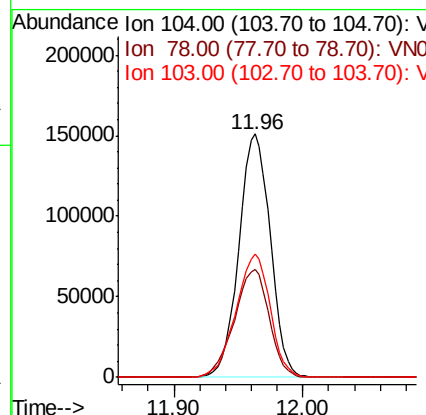
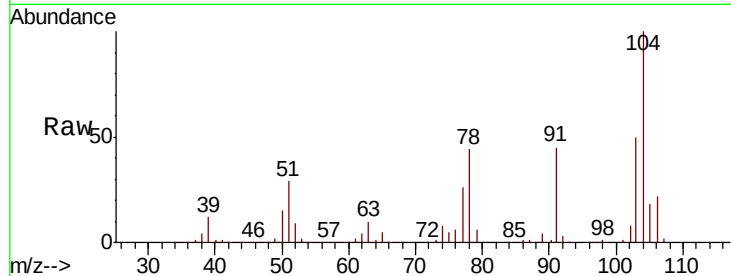
#69
Stvrene
Concen: 20.633 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.1	41.3	61.9
103	55.0	43.3	64.9

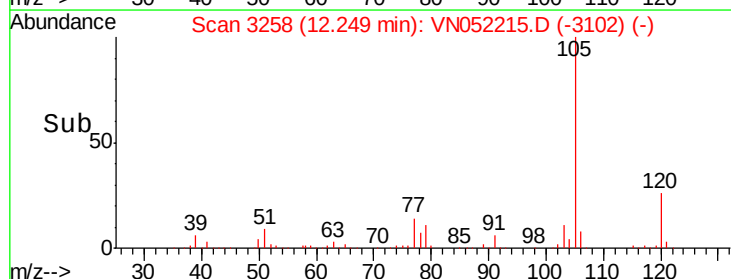
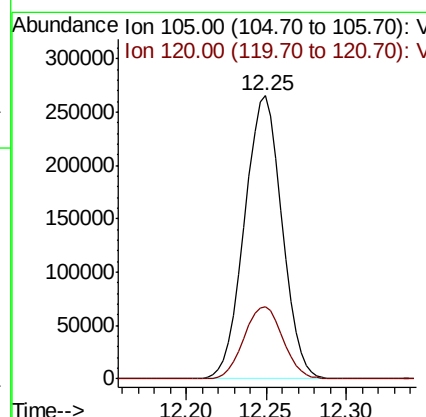
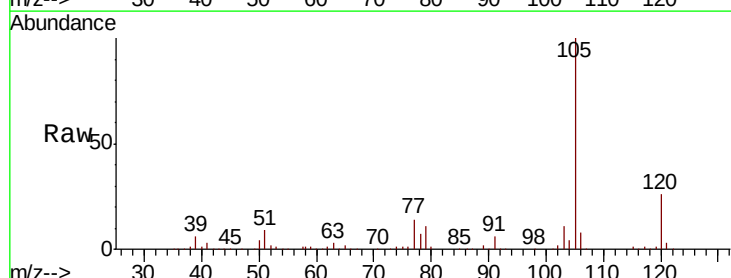
Manual Integrations
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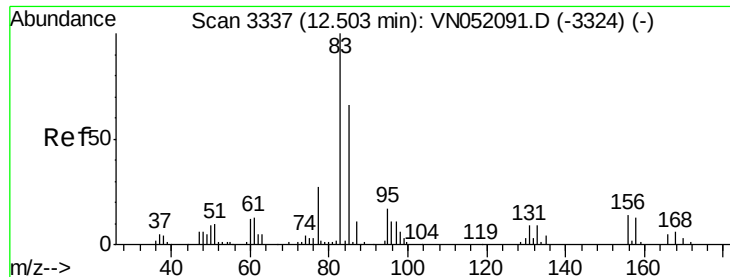
MMDadoda
11/9/2018 11:48:58 AM



#70
Isopropylbenzene
Concen: 20.544 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.4	34.2





#71

1,1,2,2-Tetrachloroethane

Concen: 21.447 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Instrument :

MSVOA_N

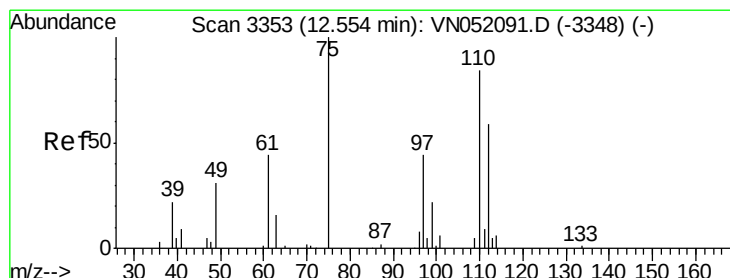
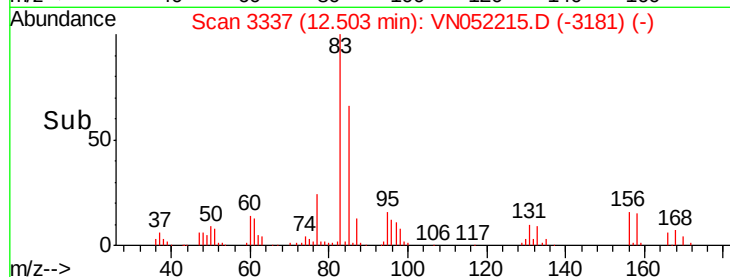
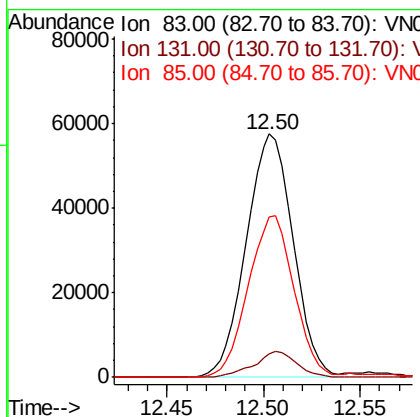
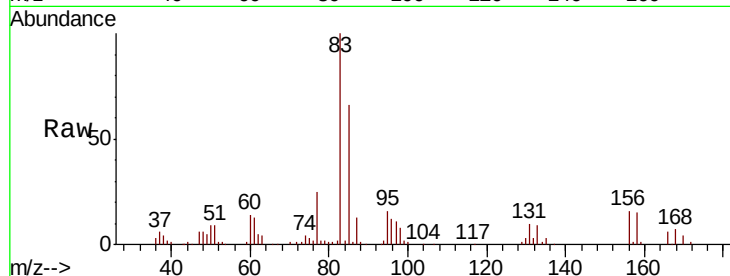
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	97508
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	64.5	32.7	98.1

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11/9/2018 11:48:58 AM



#72

1,2,3-Trichloropropane

Concen: 18.717 ug/l m

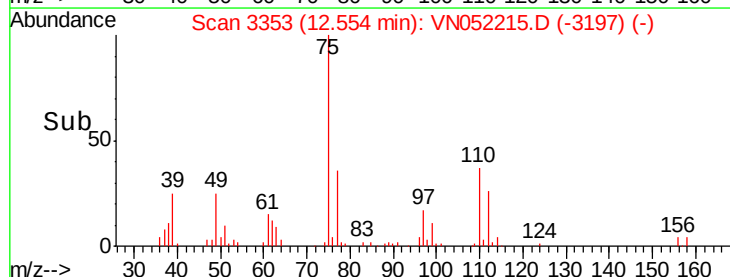
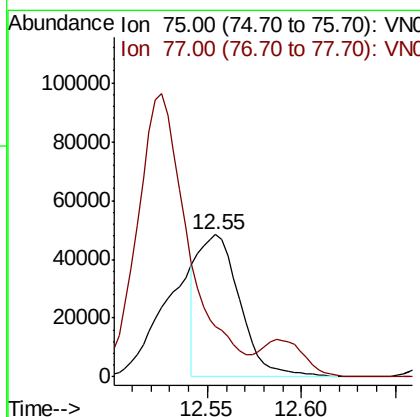
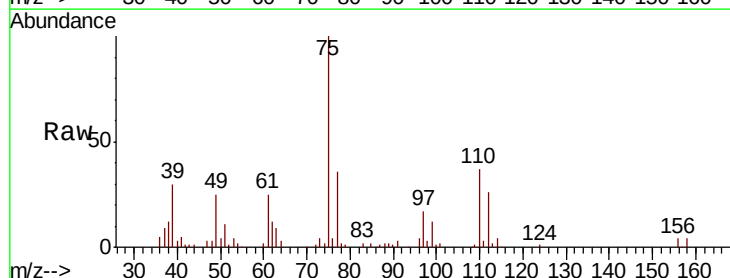
RT: 12.55 min Scan# 3353

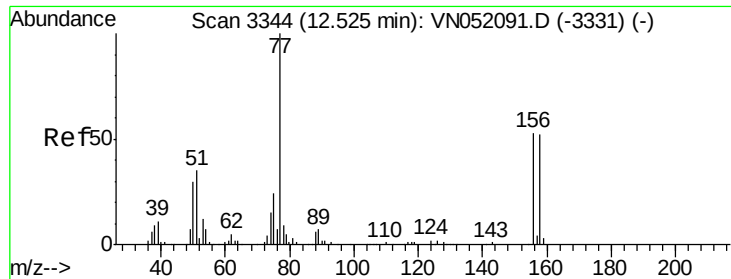
Delta R.T. 0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Tgt Ion:	75	Resp:	74821
Ion Ratio	Lower	Upper	
75	100		
77	245.6	0.0	481.8





#73

Bromobenzene

Concen: 21.522 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Instrument :

MSVOA_N

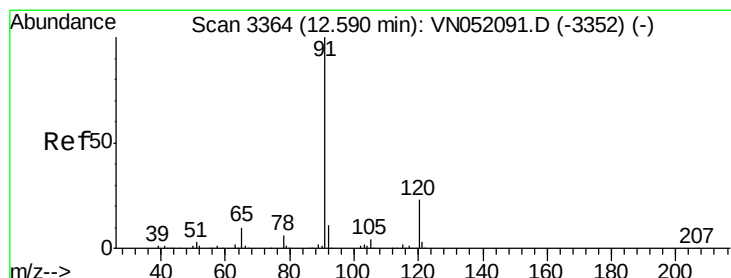
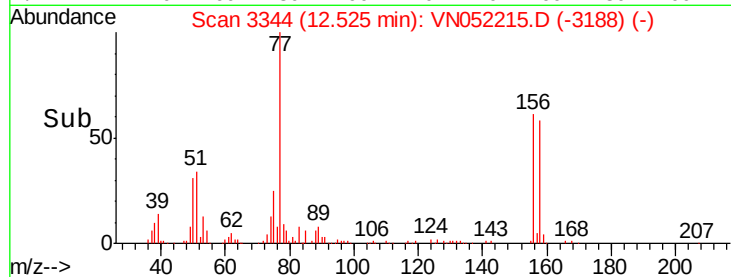
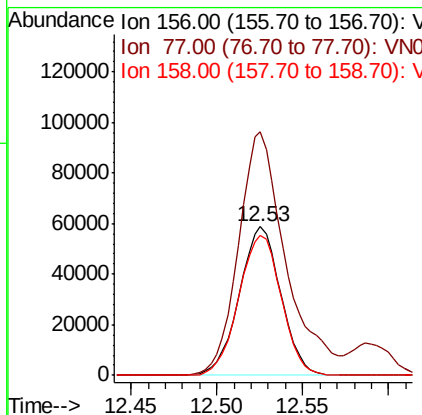
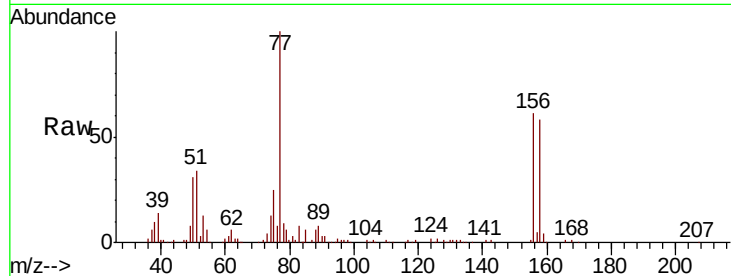
ClientSampled :

VSTDCCC020

Tot Ion:	156	Resp:	98576
Ion Ratio	Lower	Upper	
156	100		
77	186.4	0.0	428.0
158	96.6	0.0	196.8

Manual Integrations
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#74

n-propylbenzene

Concen: 20.281 ug/l

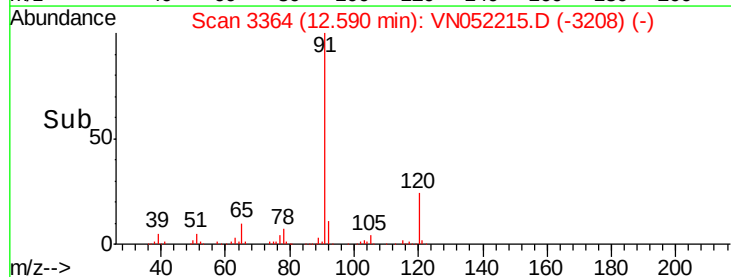
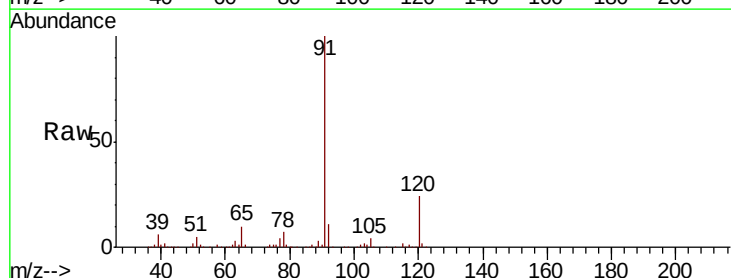
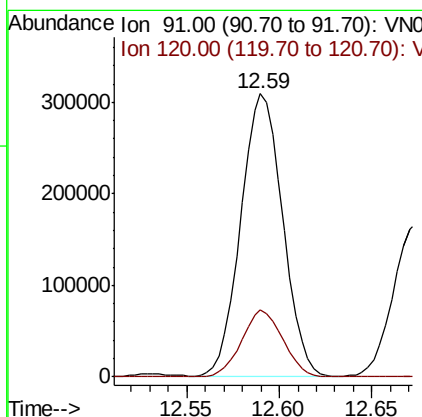
RT: 12.59 min Scan# 3364

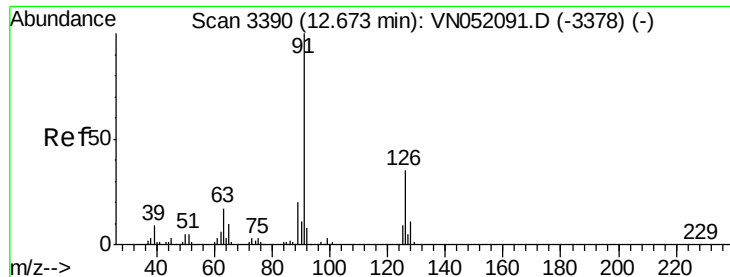
Delta R.T. 0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Tgt Ion:	91	Resp:	488184
Ion Ratio	Lower	Upper	
91	100		
120	23.2	0.0	44.8





#75

2-Chlorotoluene

Concen: 20.086 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 278742

Ion Ratio Lower Upper

91 100

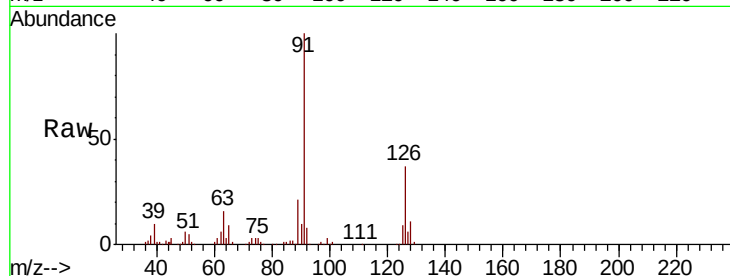
126 35.6 0.0 68.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN052091.D (-3378) (-)

300000

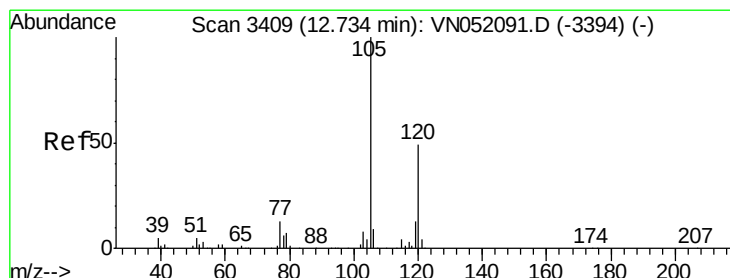
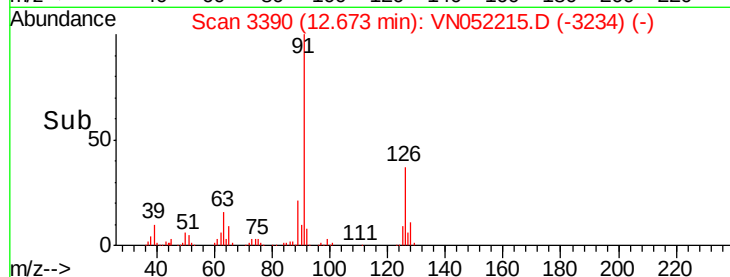
200000

100000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.716 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052215.D

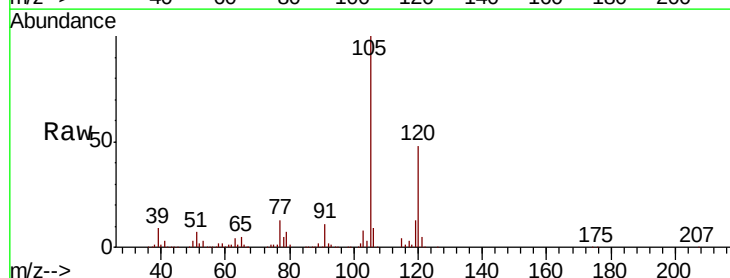
Acq: 8 Nov 2018 10:55

Tgt Ion: 105 Resp: 343354

Ion Ratio Lower Upper

105 100

120 48.8 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): VN052091.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN052091.D (-3394) (-)

250000

200000

150000

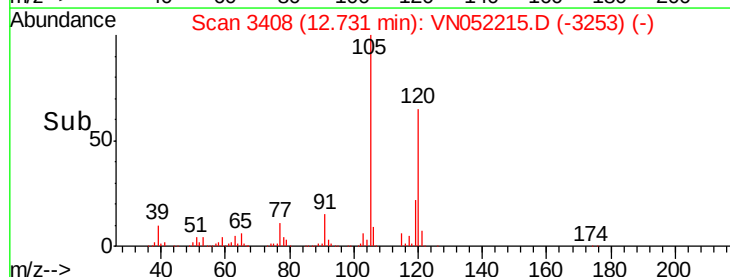
100000

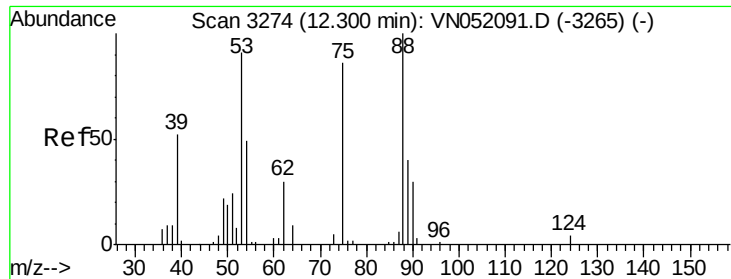
50000

0

12.65 12.70 12.75 12.80

Time-->





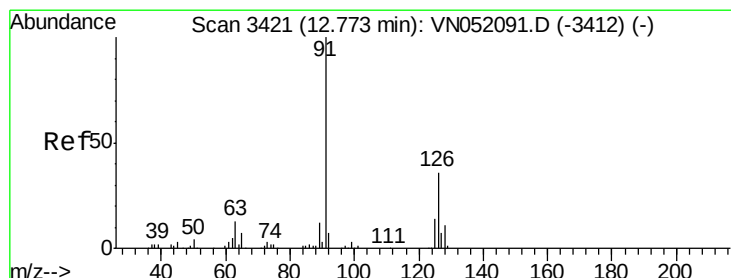
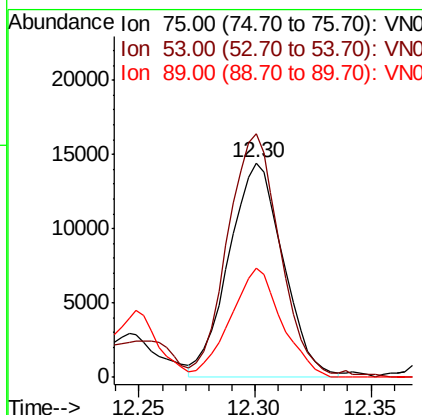
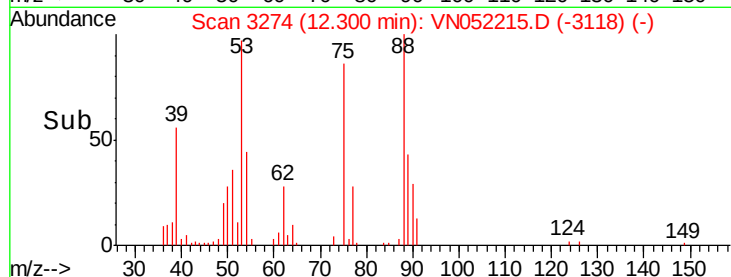
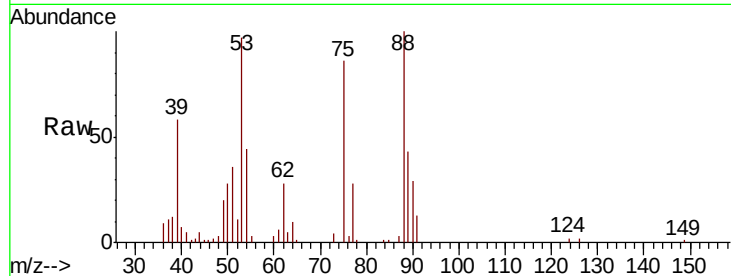
#77
t-1,4-Dichloro-2-butene
Concen: 18.828 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.0	50.7	152.1
89	51.6	23.8	71.5

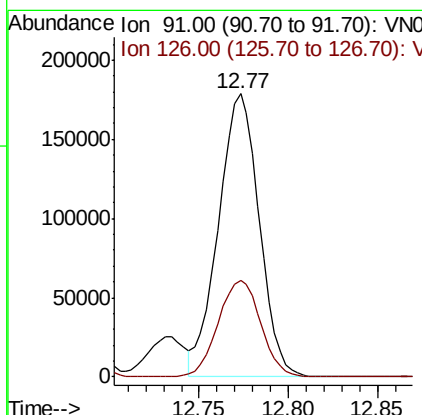
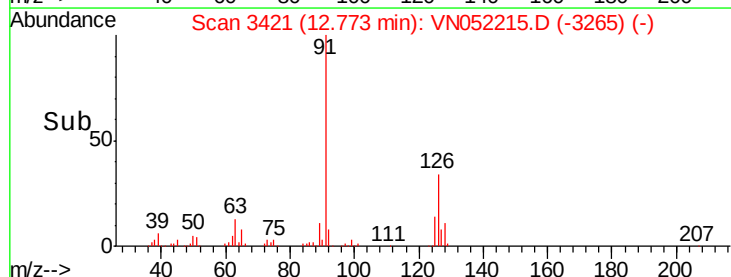
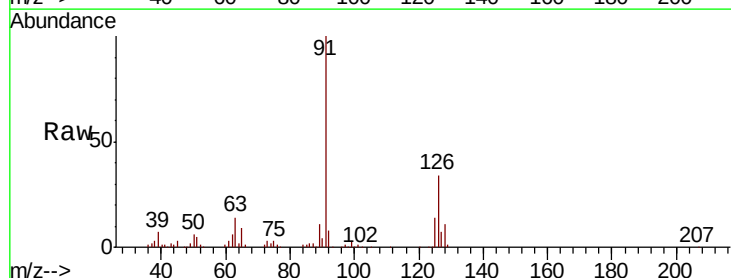
Manual Integrations
APPROVED

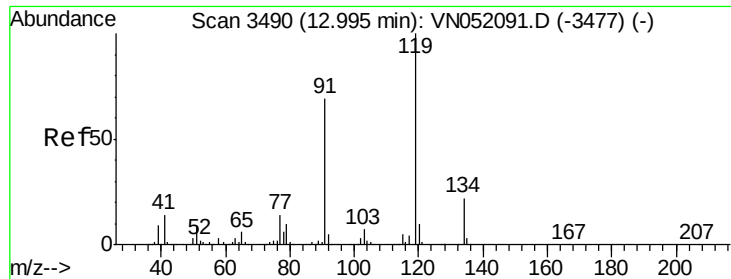
MMDadoda
11/9/2018 11:48:58 AM



#78
4-Chlorotoluene
Concen: 20.305 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	0.0	68.0





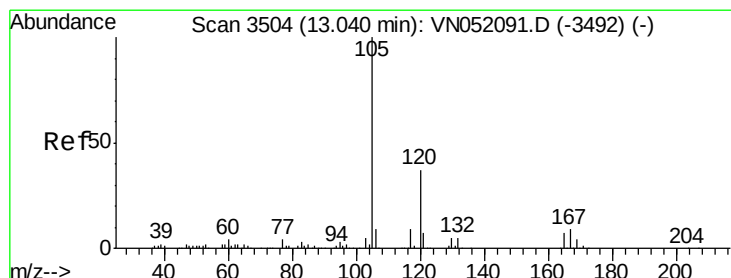
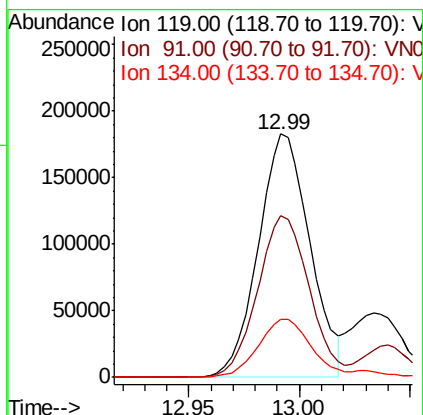
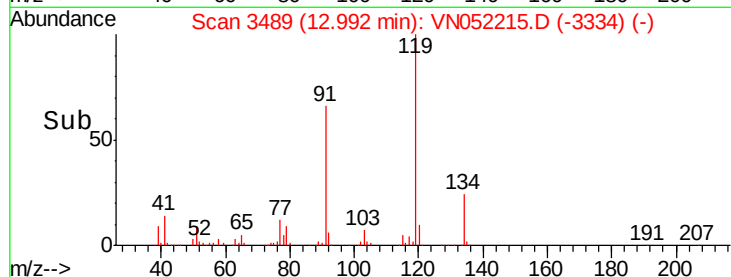
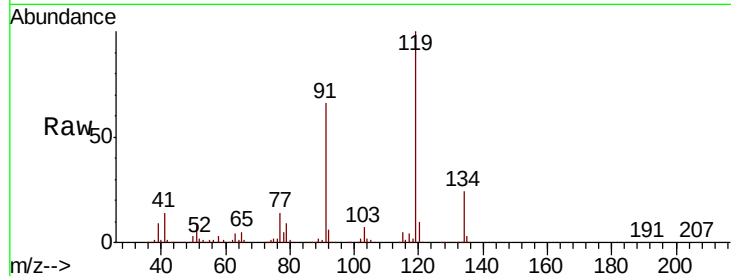
#79
tert-butylbenzene
Concen: 20.608 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	297549		
91	66.3		0.0	131.2
134	24.5		0.0	45.8

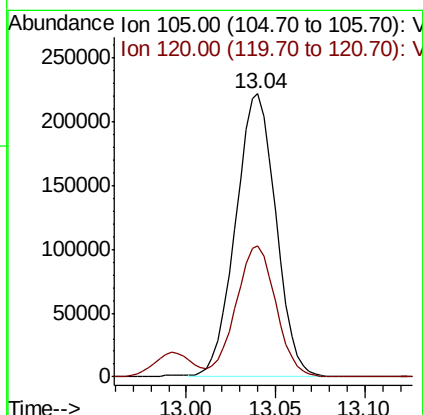
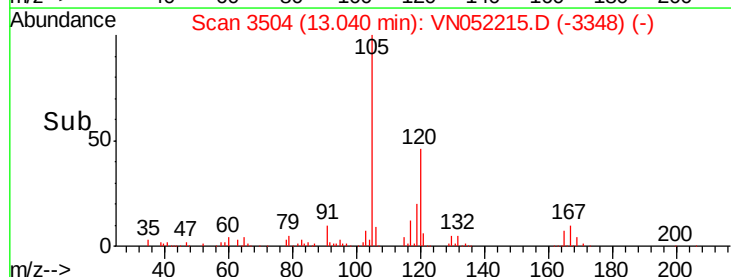
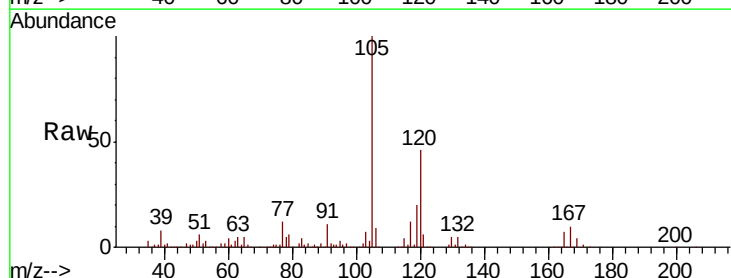
Manual Integrations
APPROVED

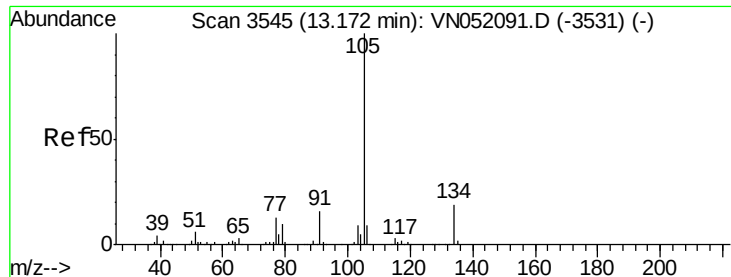
MMDadoda
11/9/2018 11:48:58 AM



#80
1,2,4-Trimethylbenzene
Concen: 21.156 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	349334		
120	45.8		0.0	89.4





#81

sec-Butylbenzene

Concen: 21.040 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion:105 Resp: 418054

Ion Ratio Lower Upper

105 100

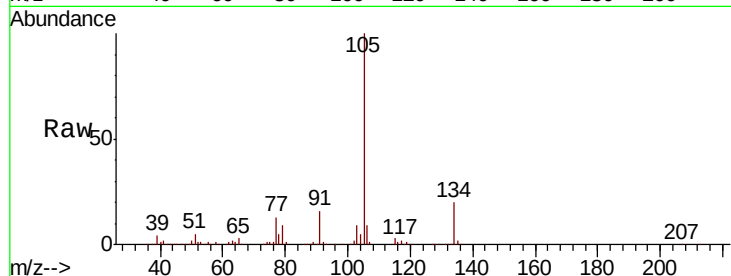
134 20.1 0.0 38.6

Manual Integrations

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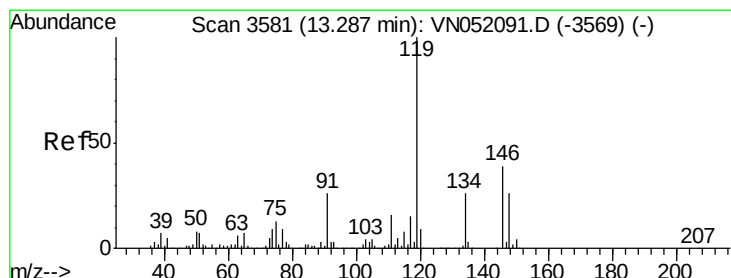
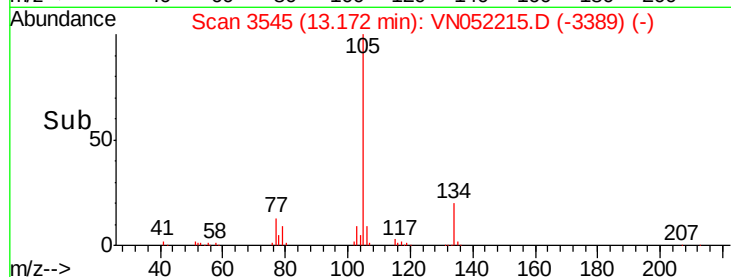
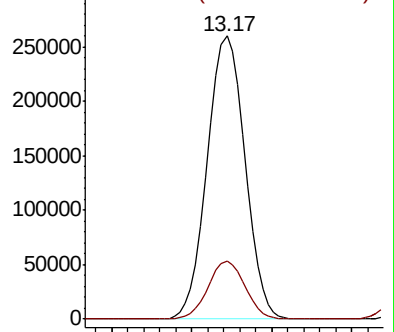
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 21.217 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

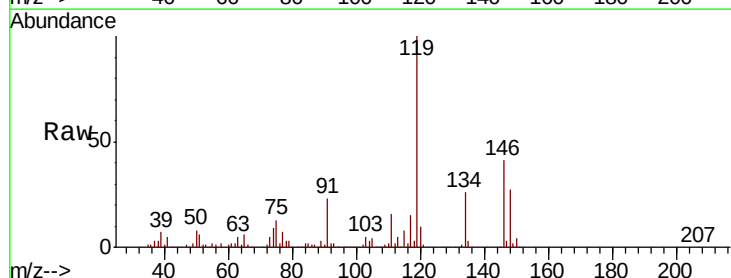
Tgt Ion:119 Resp: 356272

Ion Ratio Lower Upper

119 100

134 26.4 0.0 52.0

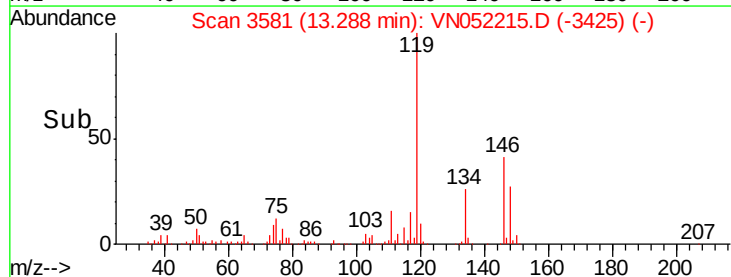
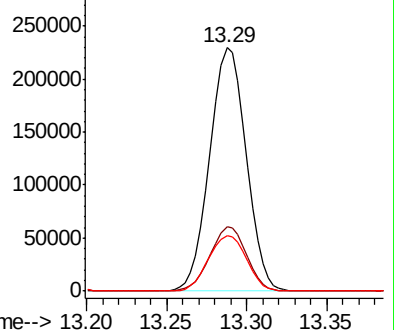
91 23.9 0.0 50.8

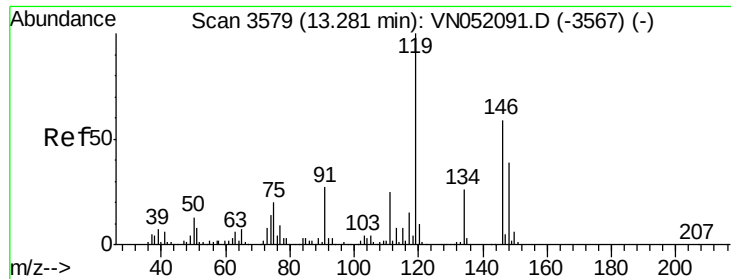


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





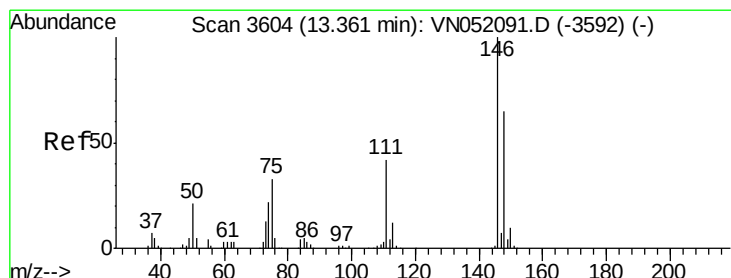
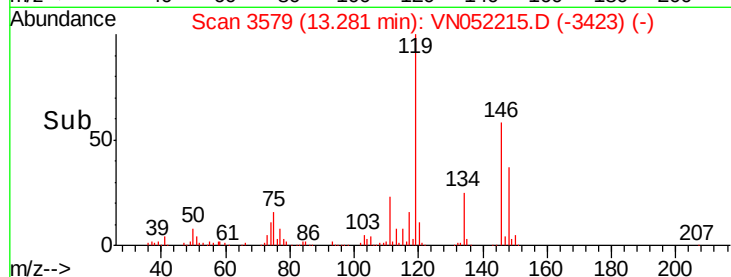
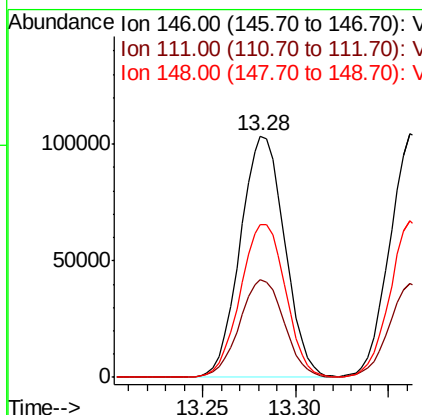
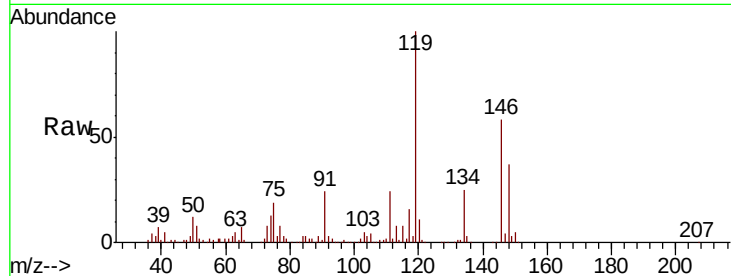
#83
 1,3-Dichlorobenzene
 Concen: 21.265 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.0	63.0
148	64.5	33.4	100.2

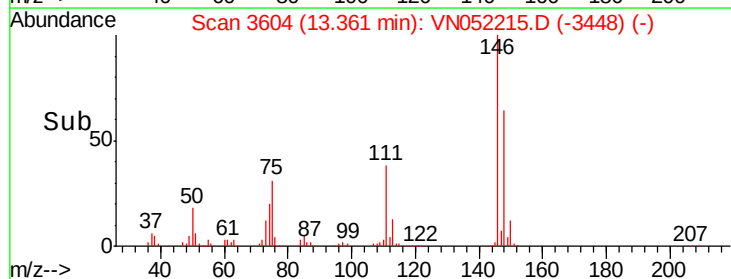
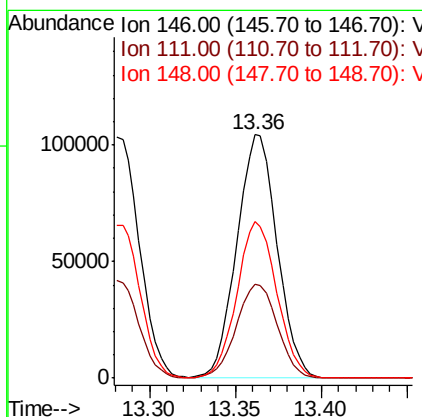
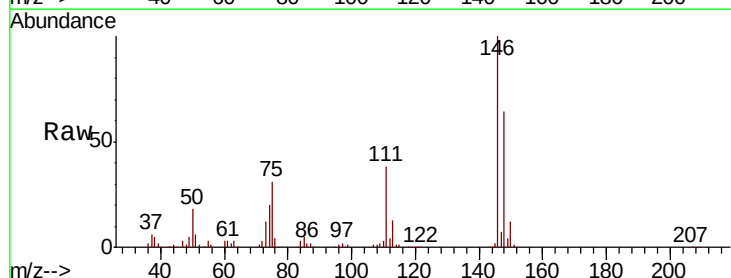
Manual Integrations
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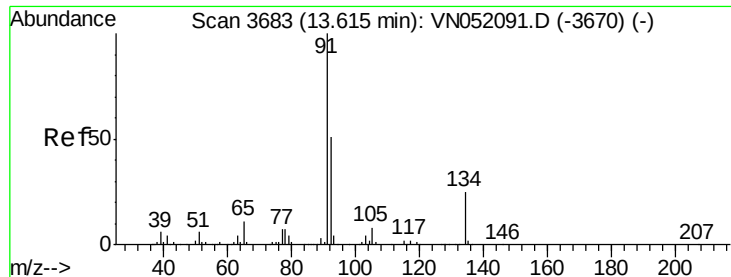
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#84
 1,4-Dichlorobenzene
 Concen: 21.191 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.4	64.2
148	63.7	32.6	98.0





#85

n-Butylbenzene

Concen: 20.451 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Instrument :

MSVOA_N

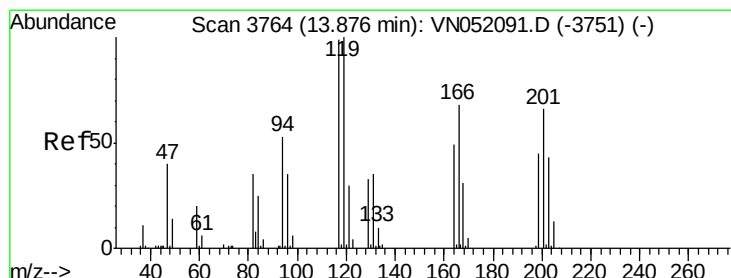
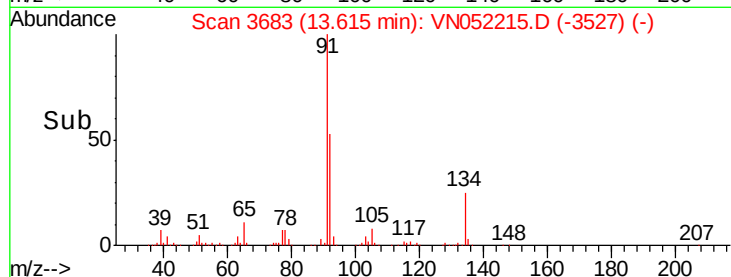
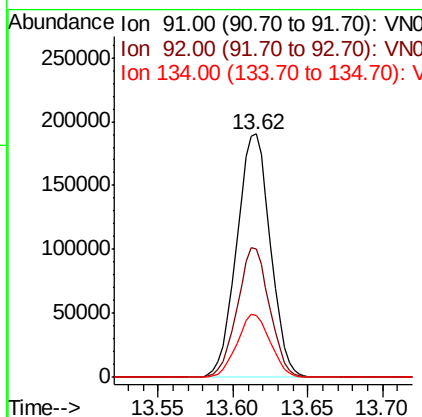
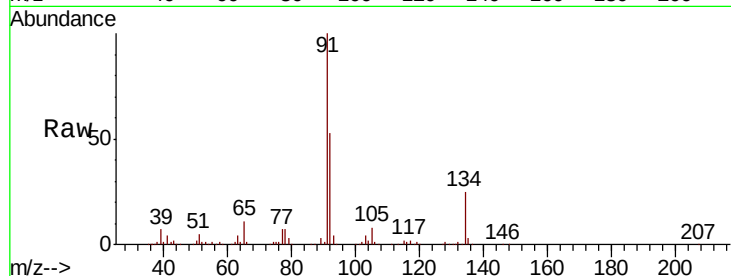
ClientSampleId :

VSTDCCC020

Tot Ion:	91	Resp:	297224
Ion	Ratio	Lower	Upper
91	100		
92	51.2	0.0	102.8
134	25.5	0.0	49.2

Manual Integrations
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#86

Hexachloroethane

Concen: 20.753 ug/l

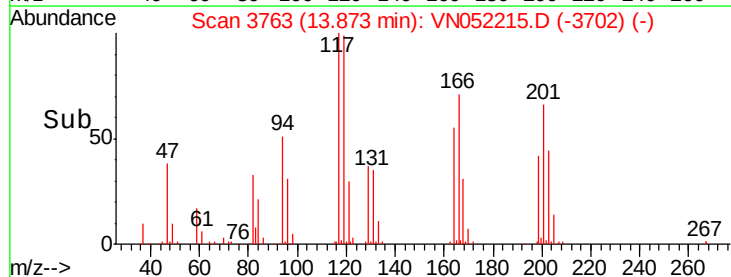
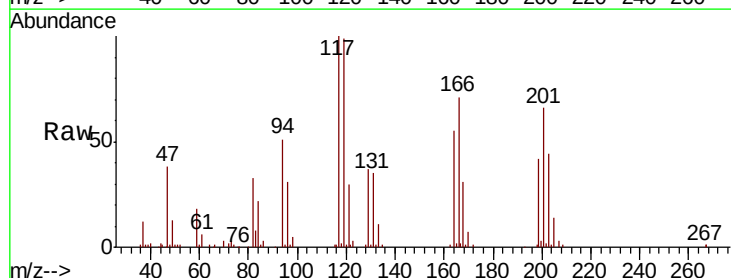
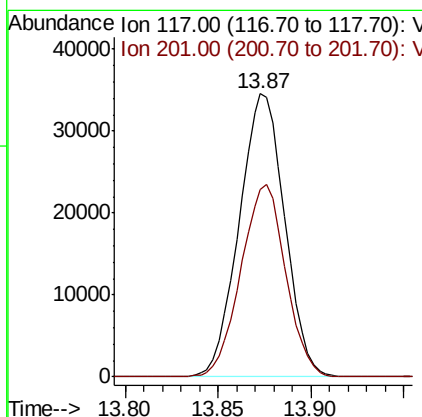
RT: 13.87 min Scan# 3763

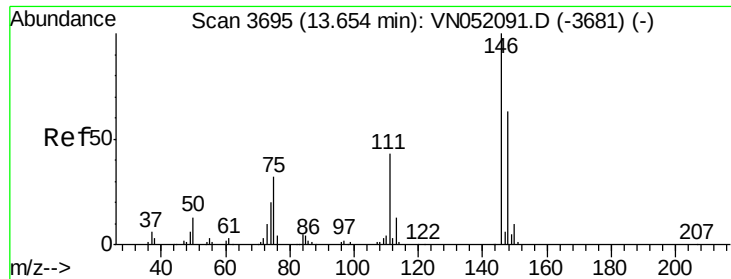
Delta R.T. -0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Tgt Ion:	117	Resp:	58808
Ion	Ratio	Lower	Upper
117	100		
201	67.0	32.2	96.6





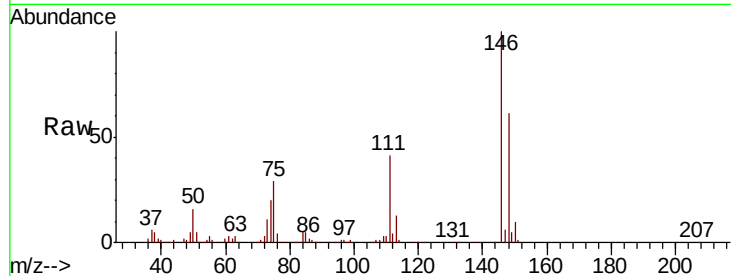
#87
 1,2-Dichlorobenzene
 Concen: 21.934 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	22.4	67.0
148	64.2	32.5	97.4

Manual Integrations
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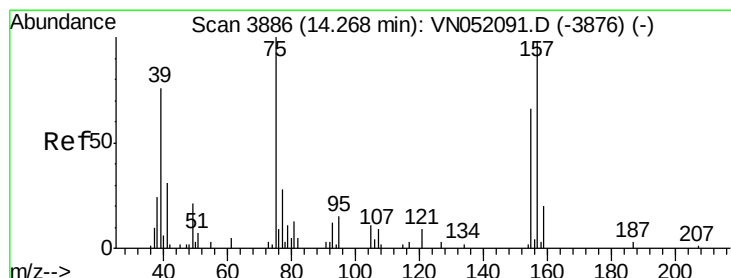
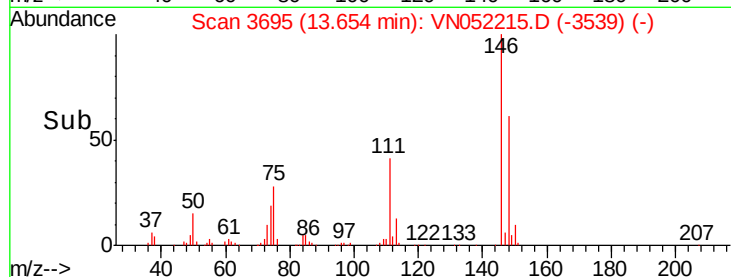
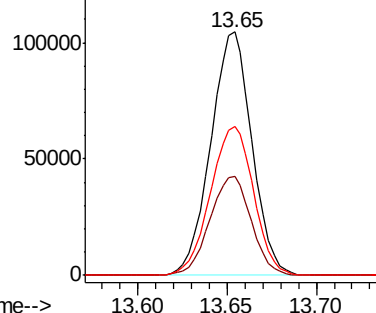


Abundance

Ion 146.00 (145.70 to 146.70): V

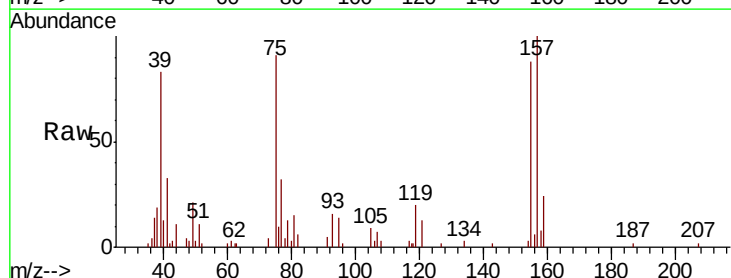
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.165 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052215.D
 Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.3	56.7	85.1
157	108.4	80.4	120.6

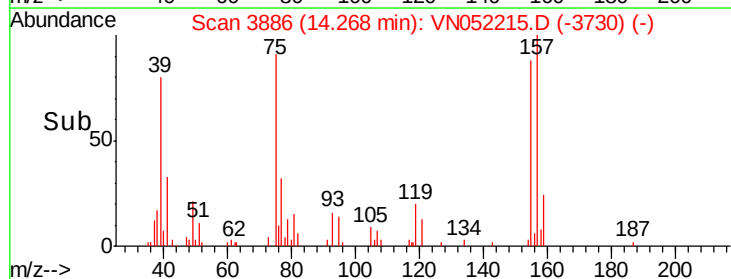
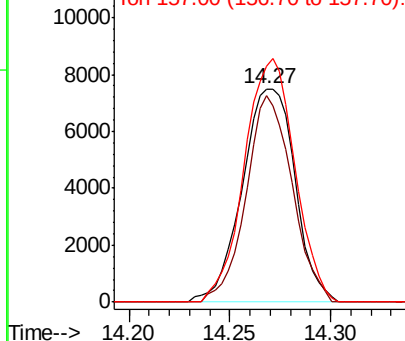


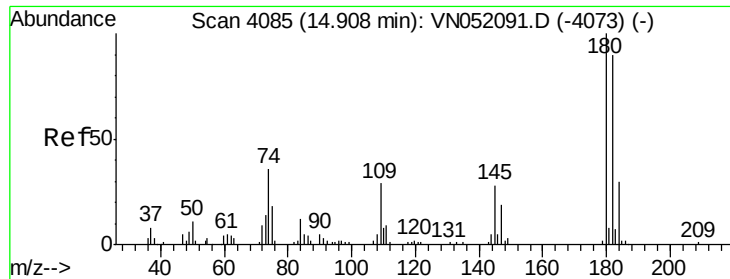
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





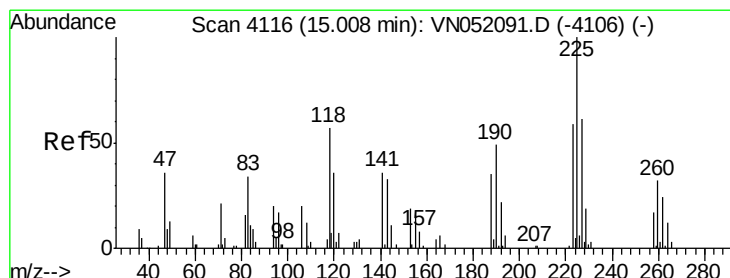
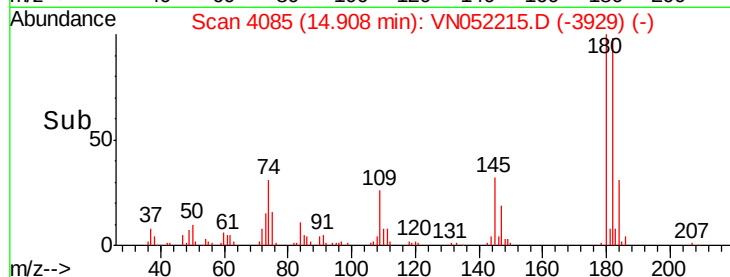
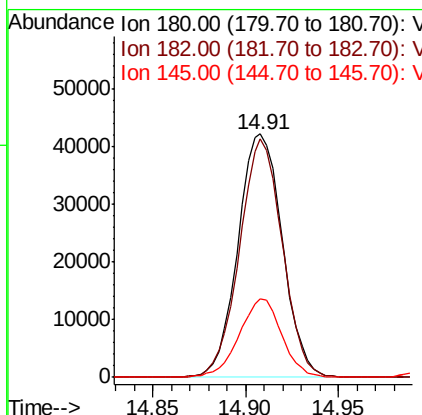
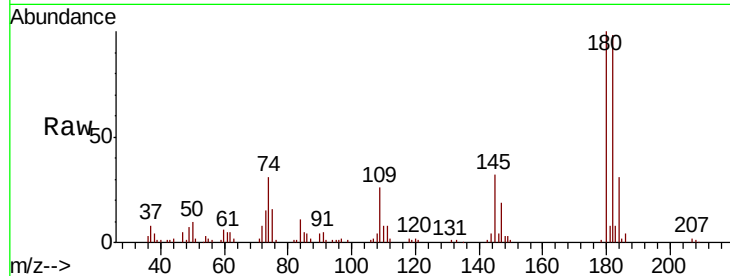
#89
1,2,4-Trichlorobenzene
Concen: 22.522 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	74.0	111.0
145	30.9	24.6	36.8

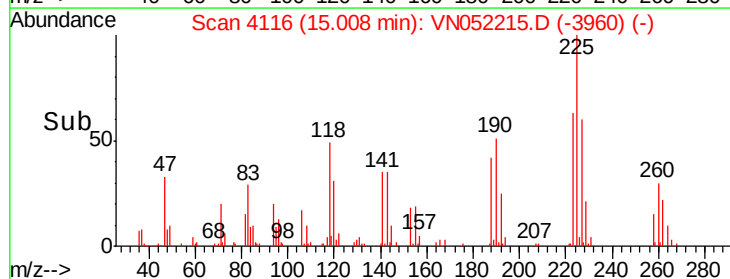
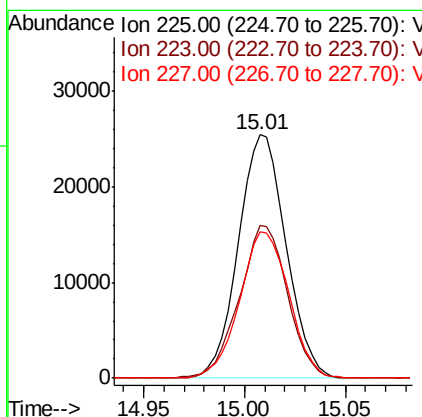
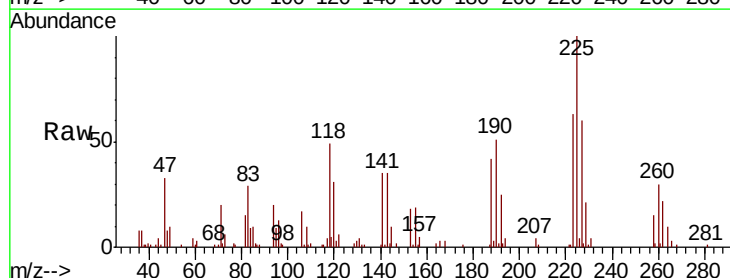
Manual Integrations
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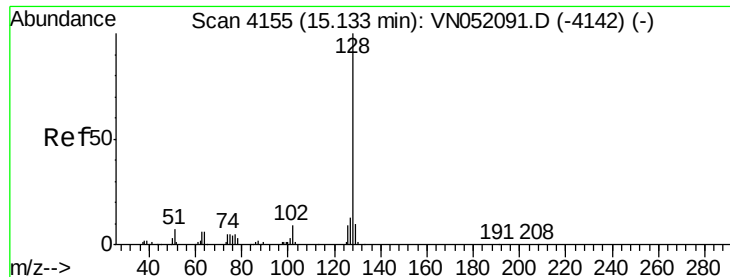
MMDadoda
11/9/2018 11:48:58 AM



#90
Hexachlorobutadiene
Concen: 24.639 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN052215.D
Acq: 8 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	0.0	121.2
227	62.2	0.0	127.2





#91

Naphthalene

Concen: 23.730 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Instrument :

MSVOA_N

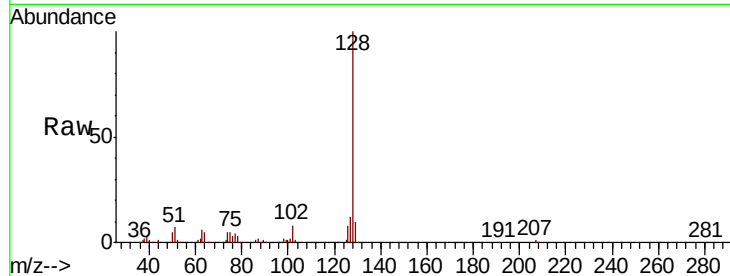
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	170901
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	10.4	8.3	12.5

Manual Integrations
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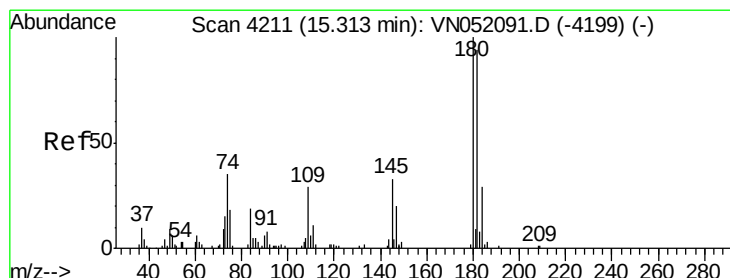
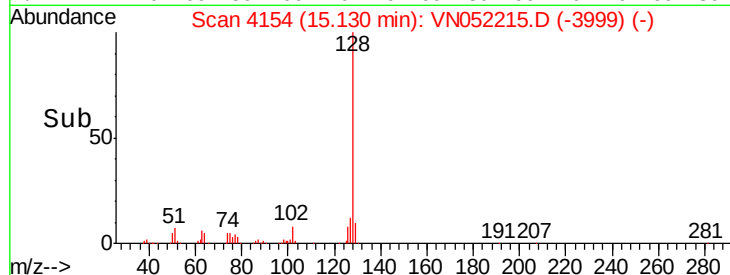
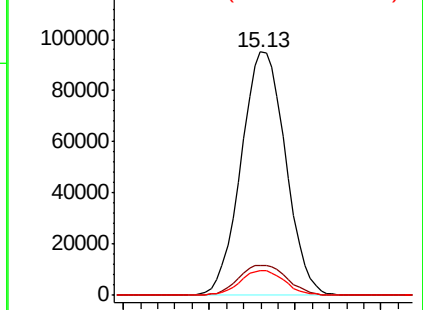


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 24.499 ug/l

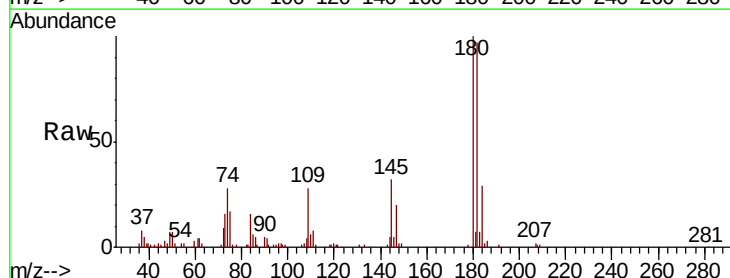
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052215.D

Acq: 8 Nov 2018 10:55

Tgt Ion:	180	Resp:	66716
Ion Ratio	Lower	Upper	
180	100		
182	93.7	0.0	186.6
145	31.9	0.0	66.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

