

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
 Data File : VN052097.D
 Acq On : 1 Nov 2018 12:27
 Operator : MD\SY
 Sample : VN1101WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:21:22 AM

Quant Time: Nov 02 05:50:40 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	59599	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	354385	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	313098	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	134147	30.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.10%
60) 4-Bromofluorobenzene	12.40	95	145821	29.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.03%
63) Toluene-d8	10.09	98	441379	29.98	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.93%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	81087	20.371	ug/l 100
3) Chloromethane	2.06	50	93861	20.632	ug/l 100
4) Vinyl Chloride	2.19	62	91449	20.491	ug/l 99
5) Bromomethane	2.57	94	64359	21.128	ug/l 96
6) Chloroethane	2.71	64	57831	20.266	ug/l 95
7) Trichlorofluoromethane	3.02	101	122027	20.192	ug/l 93
8) Diethyl Ether	3.41	74	40075	19.639	ug/l 88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	74620	21.126	ug/l 99
10) 1,1-Dichloroethene	3.74	96	67412	20.453	ug/l 98
11) Methyl Iodide	3.96	142	92686	19.450	ug/l 96
12) Methyl Acetate	4.32	43	58449	21.069	ug/l 97
13) Acrolein	3.60	56	28293	96.153	ug/l 98
14) Acrylonitrile	4.99	53	123141	100.095	ug/l 98
15) Acetone	3.82	58	30123	103.601	ug/l 98
16) Carbon Disulfide	4.06	76	191174	19.645	ug/l 99
17) Allyl chloride	4.33	41	109177	19.510	ug/l 95
18) Methylene Chloride	4.55	84	78143	19.209	ug/l 92
19) trans-1,2-Dichloroethene	5.04	96	74300	20.575	ug/l 96
20) Diisopropyl ether	5.95	45	245925	20.224	ug/l 95
21) 1,1-Dichloroethane	5.85	63	143460	20.187	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	84838	20.119	ug/l 99
23) tert-Butyl Alcohol	4.78	59	21437	111.838	ug/l # 99
24) Methyl tert-Butyl Ether	5.05	73	193060	20.662	ug/l # 78
25) Chloroform	7.37	83	145200	20.349	ug/l 98
26) Cyclohexane	7.65	56	130338	20.460	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	112146	19.932	ug/l 99
30) 2-Butanone	6.84	43	151962	101.420	ug/l # 94
31) 2,2-Dichloropropane	6.82	77	114182	19.701	ug/l # 88
32) 1,1,1-Trichloroethane	7.57	97	121097	19.236	ug/l 97
33) Carbon Tetrachloride	7.78	117	104122	18.598	ug/l 97
34) Benzene	8.04	78	326340	19.809	ug/l 97
35) Methacrylonitrile	7.17	41	32935	16.026	ug/l # 70
36) 1,2-Dichloroethane	8.03	62	1790	0.325	ug/l 98
37) Trichloroethene	8.83	130	80794	19.595	ug/l 96
38) Methylcyclohexane	9.08	83	135200	19.698	ug/l 98
39) 1,2-Dichloropropane	9.12	63	86725	19.776	ug/l 94
40) Dibromomethane	9.21	93	51609	19.093	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	105955	19.158	ug/l	99
42) Vinyl Acetate	5.90	43	866723	98.809	ug/l	100
43) Ethyl Acetate	6.84	43	151962	20.181	ug/l #	87
44) Isopropyl Acetate	8.17	43	124070	19.901	ug/l	94
45) 1,4-Dioxane	9.20	88	11801	414.931	ug/l #	75
46) Methyl methacrylate	9.20	41	58636	18.894	ug/l	98
47) n-amyl Acetate	12.07	43	105706	18.705	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	102956	18.747	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	123154	19.429	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	71072	19.884	ug/l	97
51) Ethyl methacrylate	10.43	69	93628	20.268	ug/l	98
52) 1,3-Dichloropropane	10.71	76	122704	19.708	ug/l	99
53) Dibromochloromethane	10.90	129	70637	18.305	ug/l	97
54) 1,2-Dibromoethane	11.01	107	70553	19.465	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	252627	99.866	ug/l	99
56) Bromoform	12.13	173	38270	17.171	ug/l	95
58) 4-Methyl-2-Pentanone	9.99	43	344455	102.669	ug/l	99
59) 2-Hexanone	10.75	43	235070	101.760	ug/l	99
61) Tetrachloroethene	10.63	164	69370	20.372	ug/l	91
62) Toluene	10.16	91	357660	20.349	ug/l	100
64) Chlorobenzene	11.43	112	216647	19.449	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	72934	19.237	ug/l	97
66) Ethyl Benzene	11.51	91	380348	20.034	ug/l	100
67) m/p-Xylenes	11.62	106	290996	39.812	ug/l	98
68) o-Xylene	11.95	106	140831	20.209	ug/l	97
69) Styrene	11.96	104	220005	19.592	ug/l	98
70) Isopropylbenzene	12.25	105	376164	20.108	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	83524	20.299	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	67700m	18.713	ug/l	
73) Bromobenzene	12.53	156	80926	19.523	ug/l	97
74) n-propylbenzene	12.59	91	426167	19.563	ug/l	98
75) 2-Chlorotoluene	12.67	91	248098	19.754	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	299493	19.965	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	19925	17.601	ug/l	99
78) 4-Chlorotoluene	12.77	91	252956	20.000	ug/l	99
79) tert-butylbenzene	12.99	119	262049	20.054	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	302837	20.265	ug/l	99
81) sec-Butylbenzene	13.17	105	352054	19.577	ug/l	97
82) p-Isopropyltoluene	13.29	119	295048	19.415	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	142151	19.387	ug/l	96
84) 1,4-Dichlorobenzene	13.36	146	137297	18.916	ug/l	97
85) n-Butylbenzene	13.62	91	260943	19.839	ug/l	99
86) Hexachloroethane	13.87	117	45576	17.772	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	136225	19.555	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.26	75	11341	20.156	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	52875	18.698	ug/l	95
90) Hexachlorobutadiene	15.01	225	30319	19.597	ug/l	96
91) Naphthalene	15.13	128	132252	20.291	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	48910	19.845	ug/l	99

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ClientSampleId :
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QLast Update : Fri Nov 02 05:39:38 2018
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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

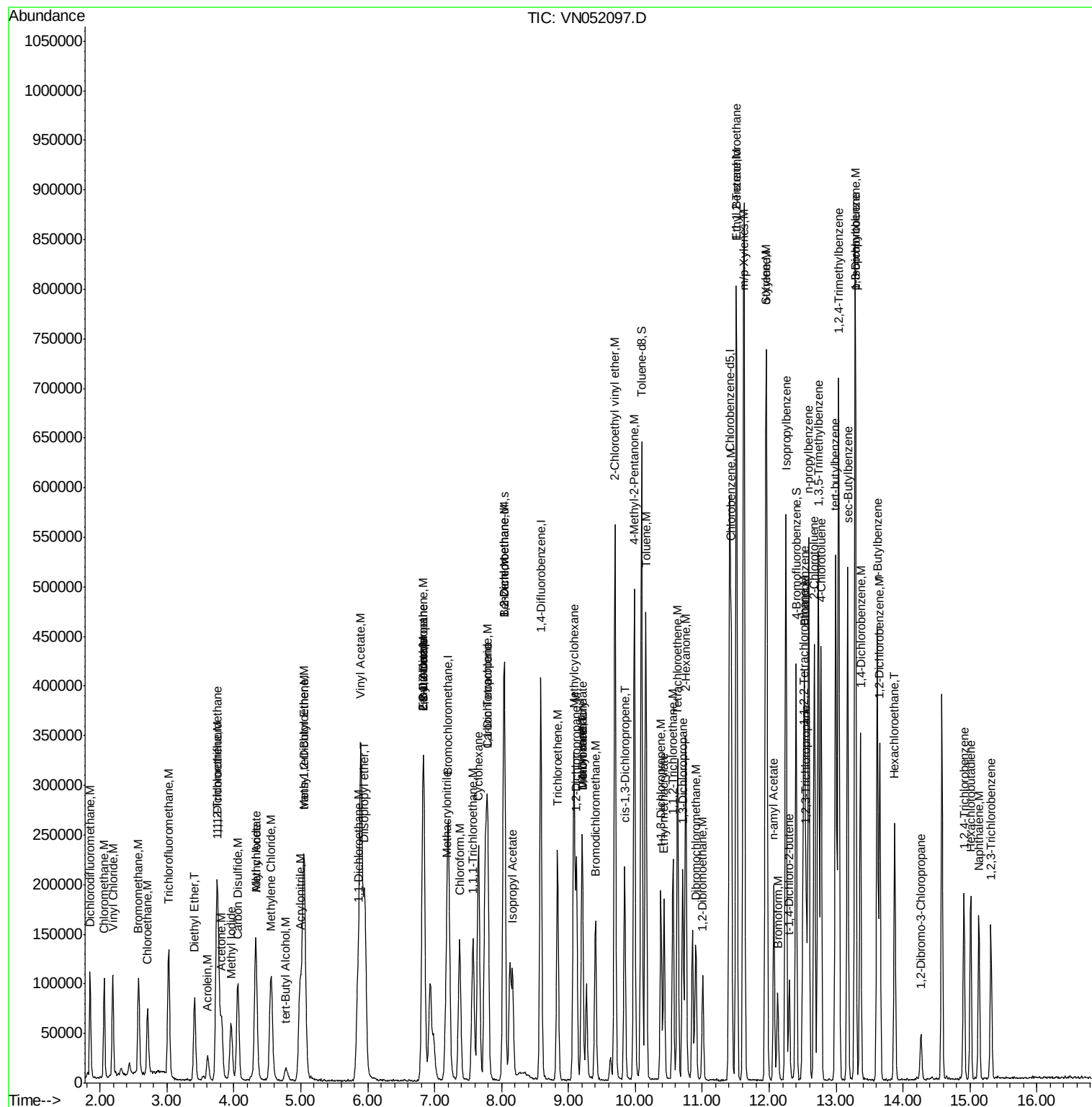
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
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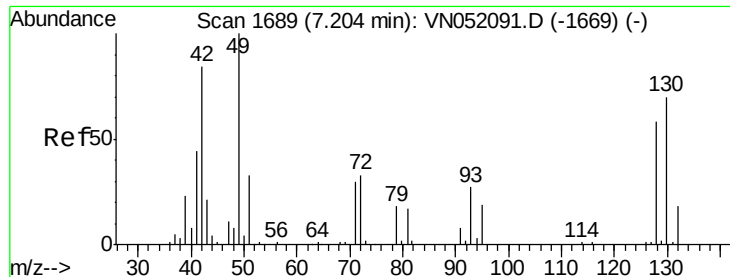
Instrument :
MSVOA_N
Client Sampled :
VN1101WBS01

Manual Integrations
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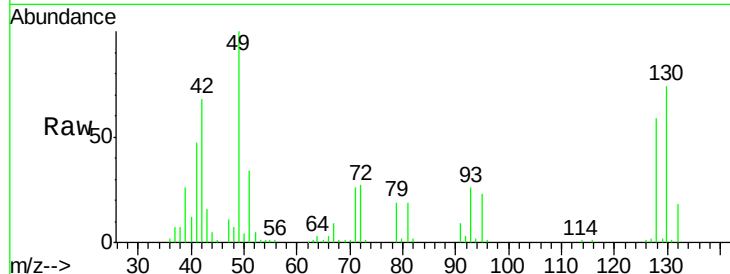
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

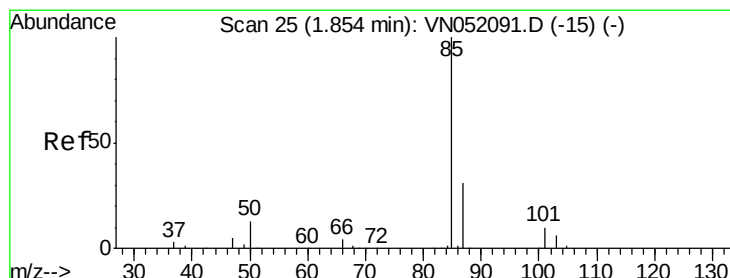
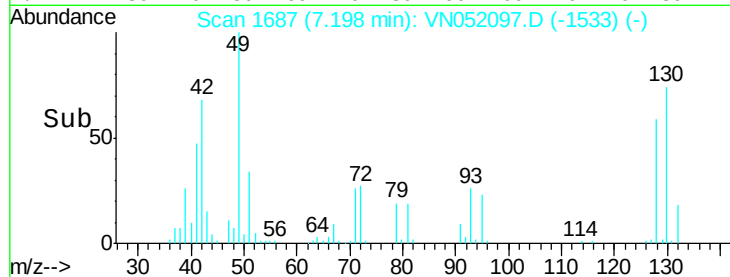
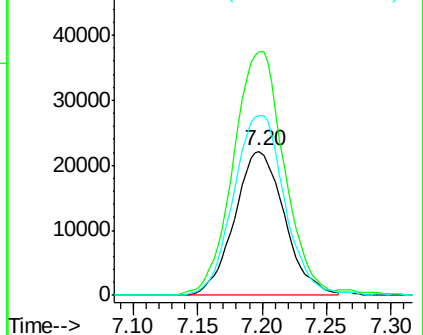
Tgt Ion	Ratio	Lower	Upper
128	100		
49	172.3	0.0	453.7
130	127.8	0.0	308.8

Manual Integrations
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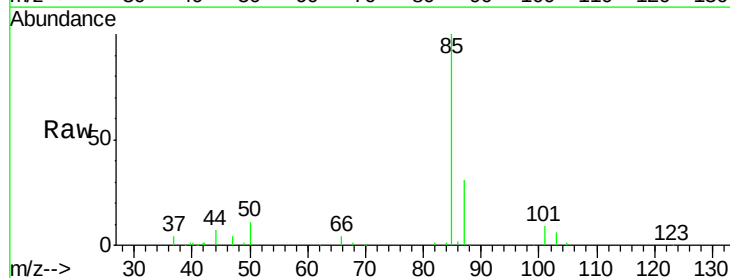


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V

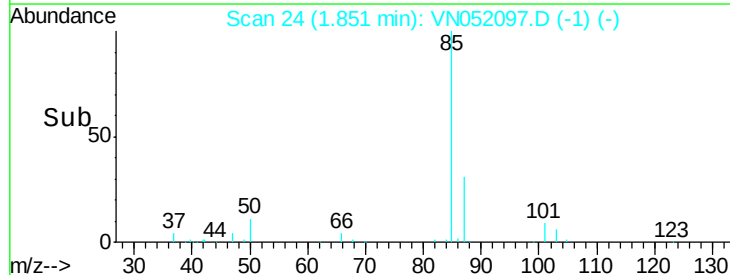
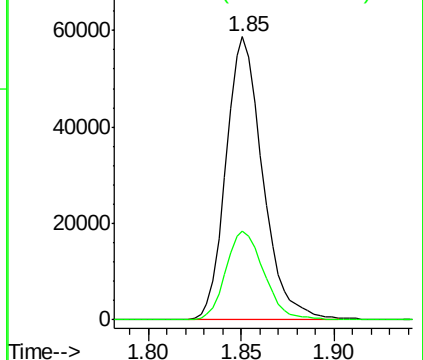


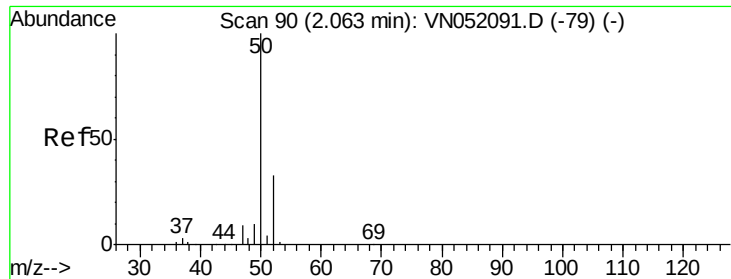
#2
Dichlorodifluoromethane
Concen: 20.371 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.7	47.1



Abundance Ion 85.00 (84.70 to 85.70): V
Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 20.632 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 50 Resp: 93861

Ion Ratio Lower Upper

50 100

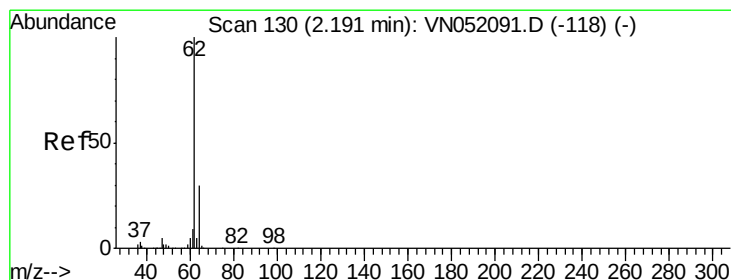
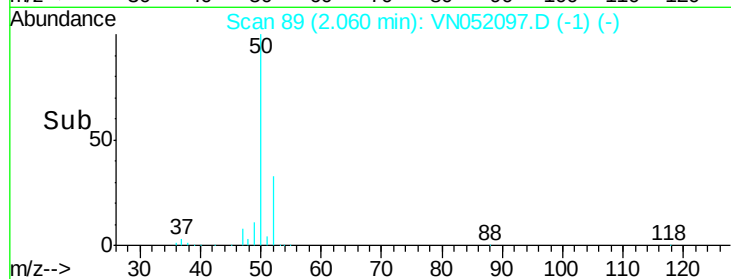
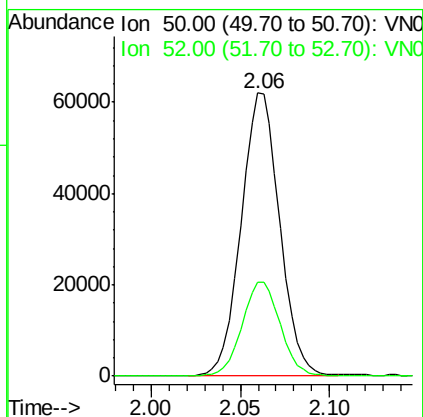
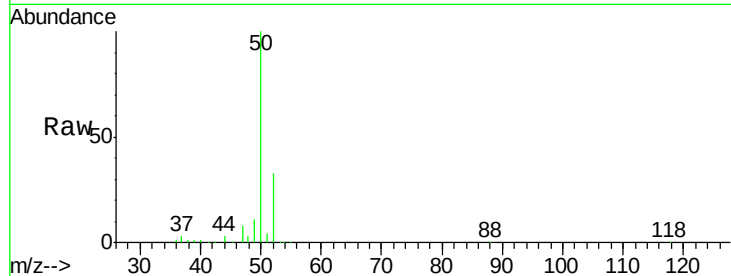
52 33.1 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.491 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052097.D

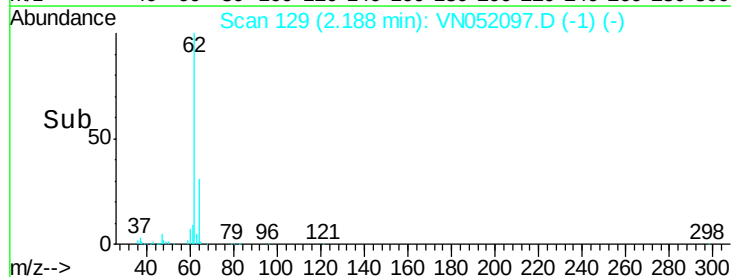
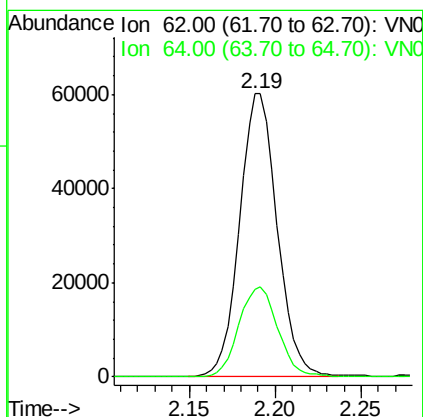
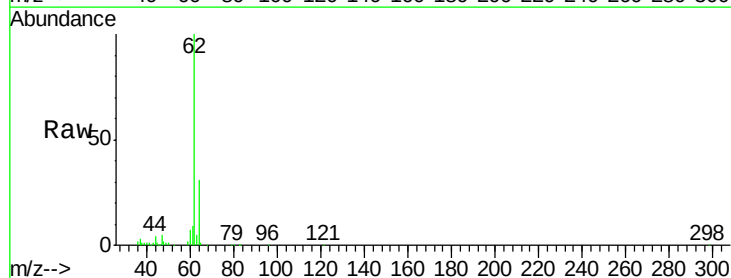
Acq: 1 Nov 2018 12:27

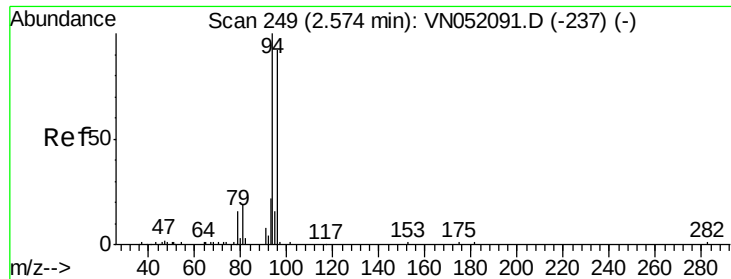
Tgt Ion: 62 Resp: 91449

Ion Ratio Lower Upper

62 100

64 30.9 24.2 36.4





#5

Bromomethane

Concen: 21.128 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

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ClientSampleId :

VN1101WBS01

Tgt Ion: 94 Resp: 64359

Ion Ratio Lower Upper

94 100

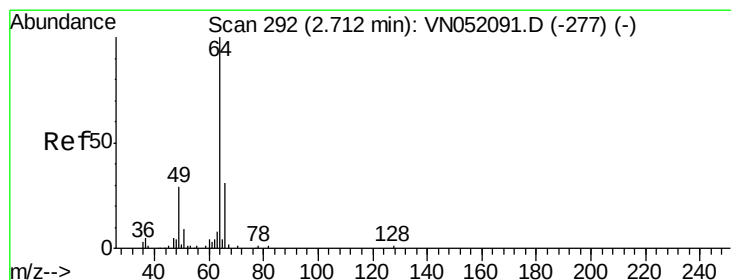
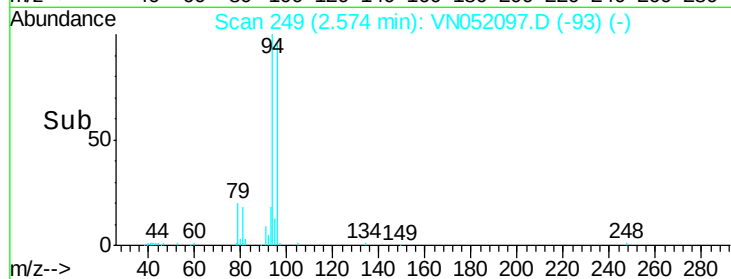
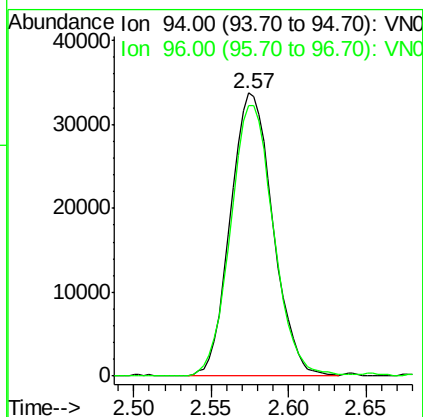
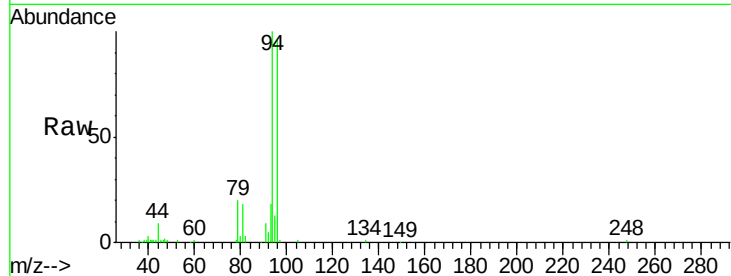
96 95.6 73.4 110.0

Manual Integrations

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11/2/2018 9:21:22 AM



#6

Chloroethane

Concen: 20.266 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052097.D

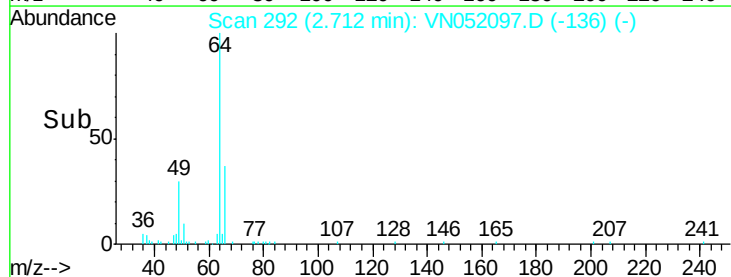
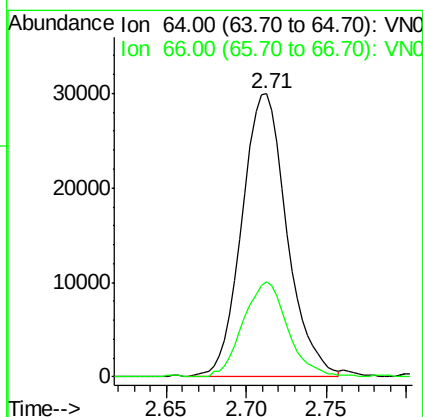
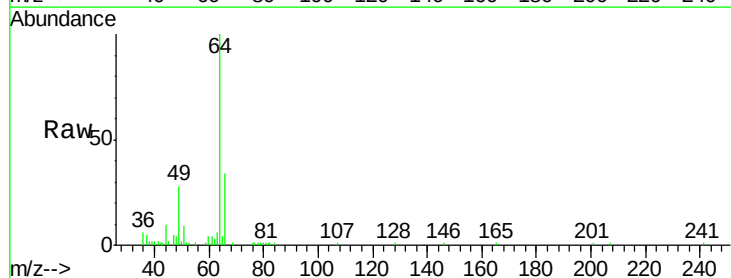
Acq: 1 Nov 2018 12:27

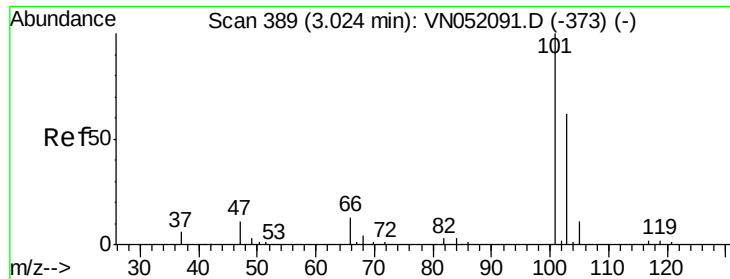
Tgt Ion: 64 Resp: 57831

Ion Ratio Lower Upper

64 100

66 33.8 24.7 37.1





#7

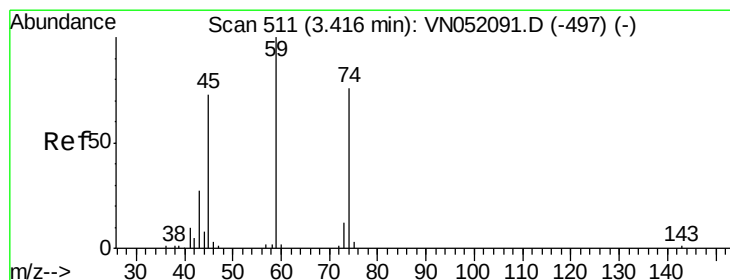
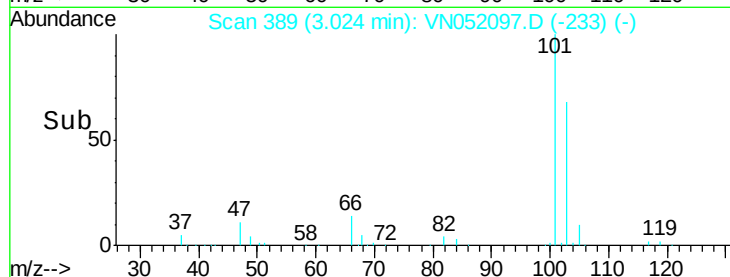
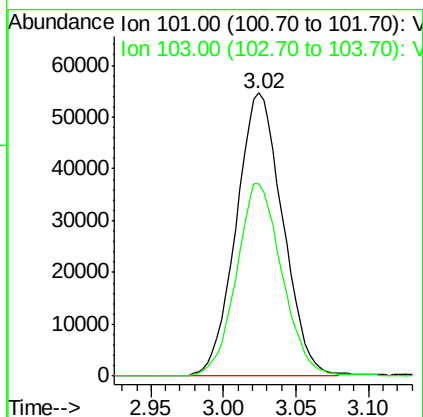
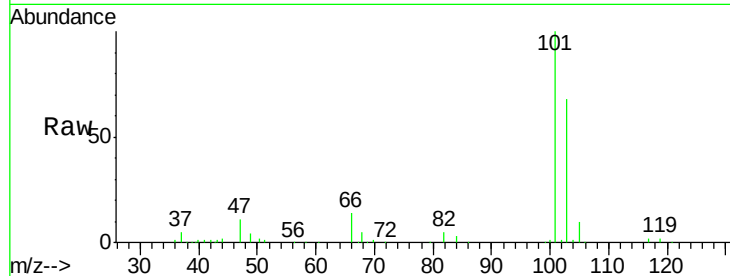
Trichlorofluoromethane
Concen: 20.192 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	67.6	49.5	74.3

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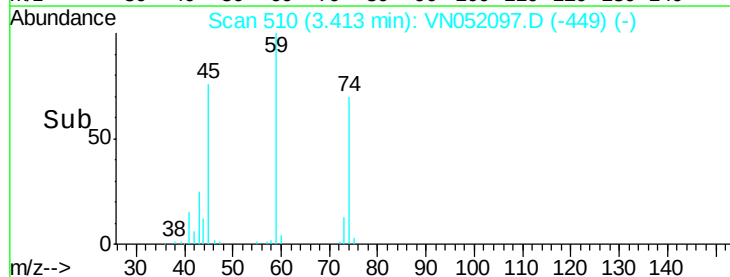
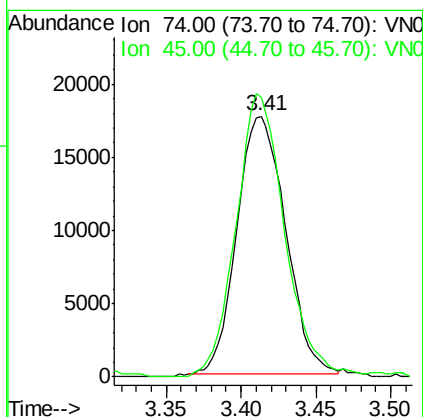
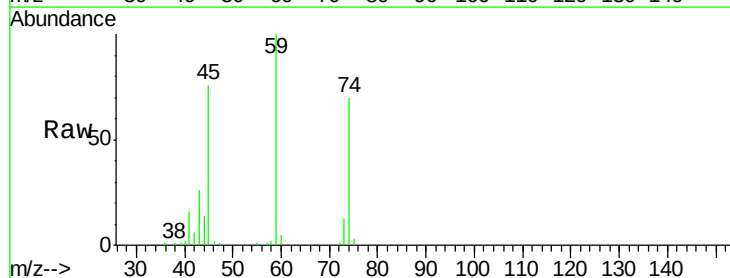
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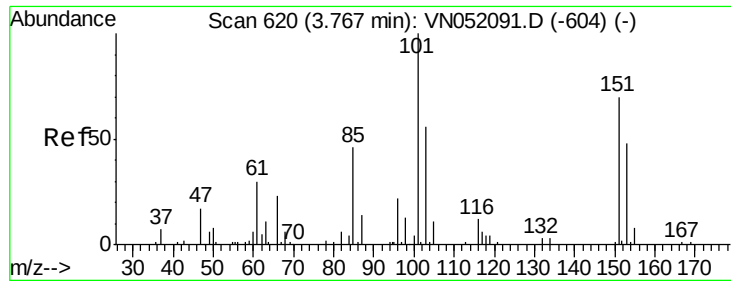


#8

Diethyl Ether
Concen: 19.639 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.6	19.4	174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.126 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052097.D

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Instrument :

MSVOA_N

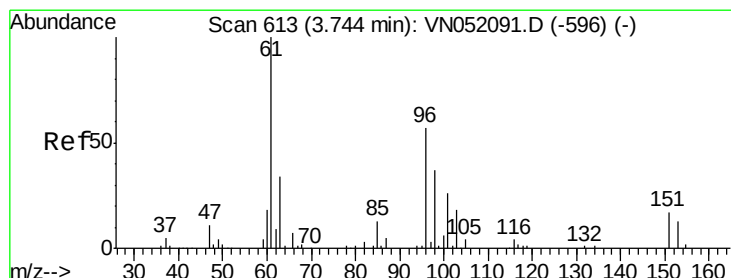
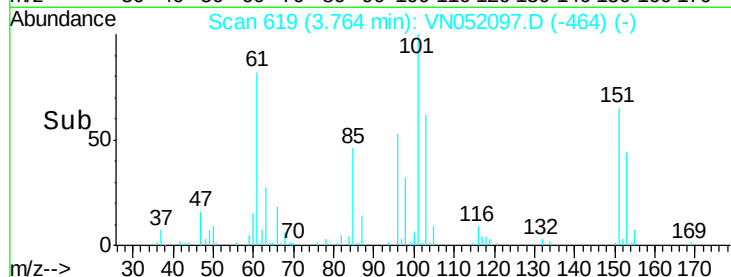
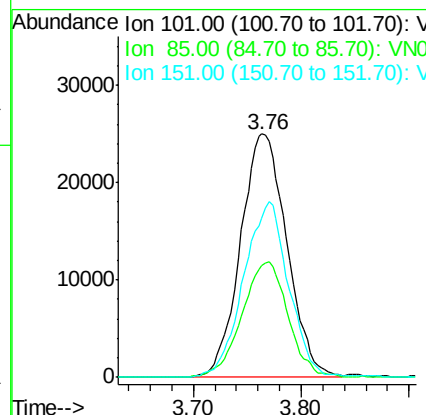
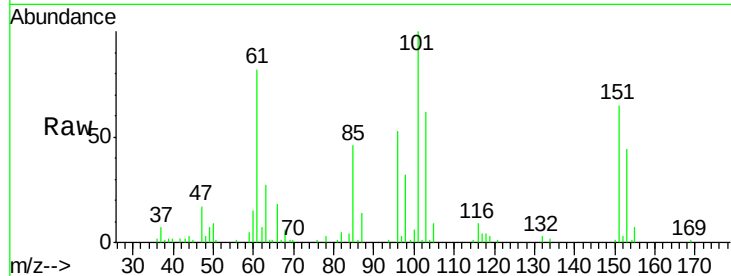
ClientSampleId :

VN1101WBS01

Tgt Ion:	101	Resp:	74620
Ion Ratio	Lower	Upper	
101	100		
85	46.7	0.0	98.0
151	69.9	0.0	139.6

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11/2/2018 9:21:22 AM



#10

1,1-Dichloroethene

Concen: 20.453 ug/l

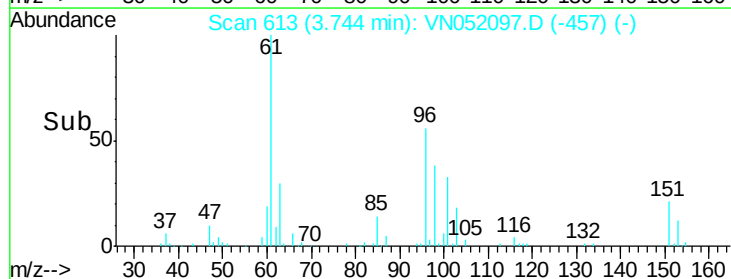
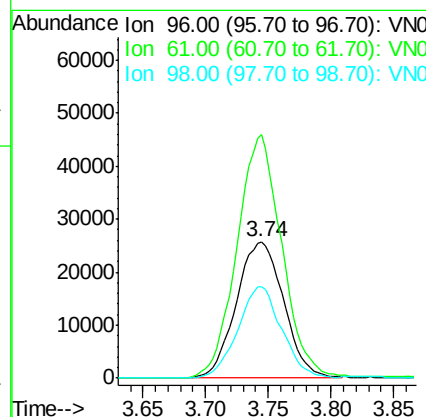
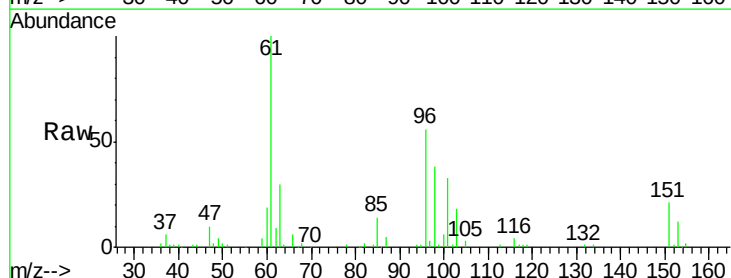
RT: 3.74 min Scan# 613

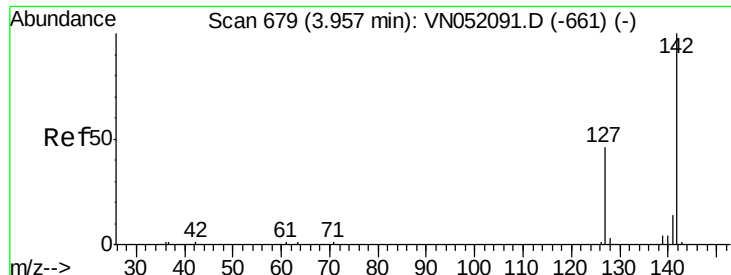
Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Tgt Ion:	96	Resp:	67412
Ion Ratio	Lower	Upper	
96	100		
61	177.2	140.3	210.5
98	67.2	52.0	78.0





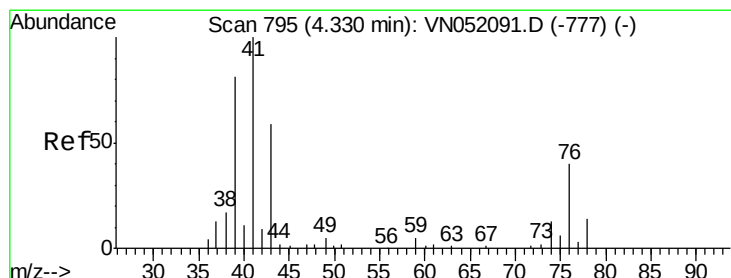
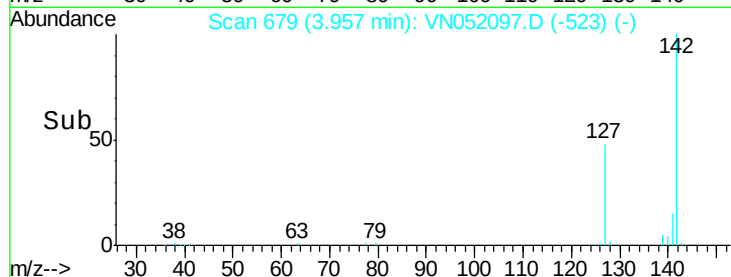
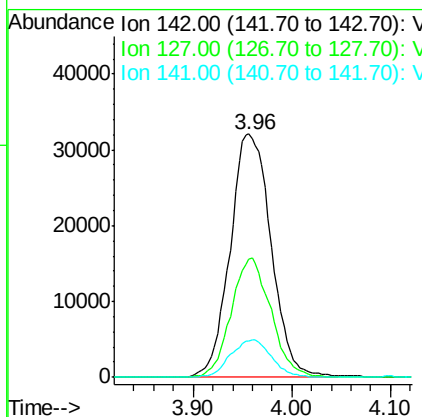
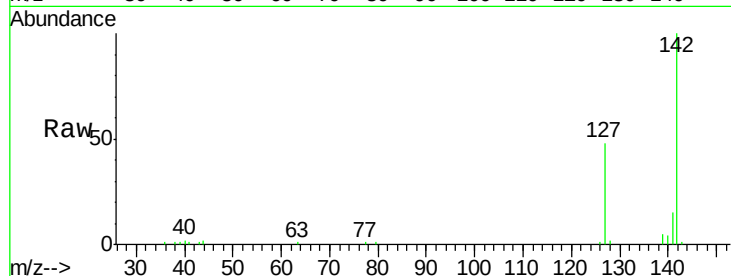
#11
Methyl Iodide
Concen: 19.450 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.6	23.1	69.2
141	15.2	7.0	20.9

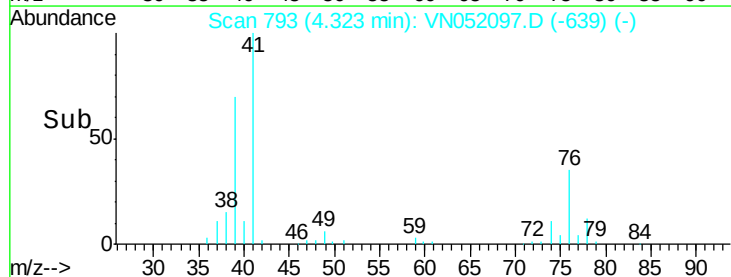
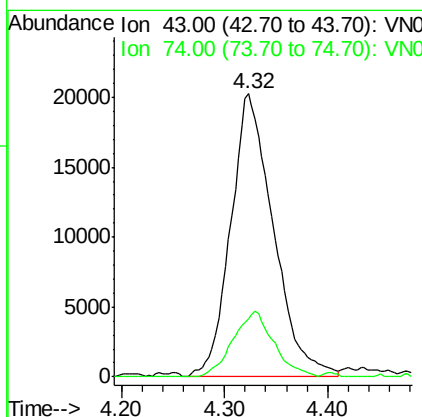
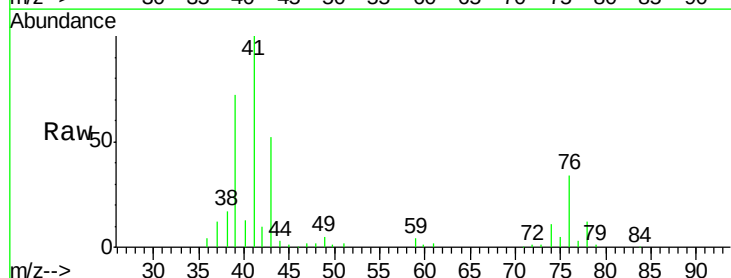
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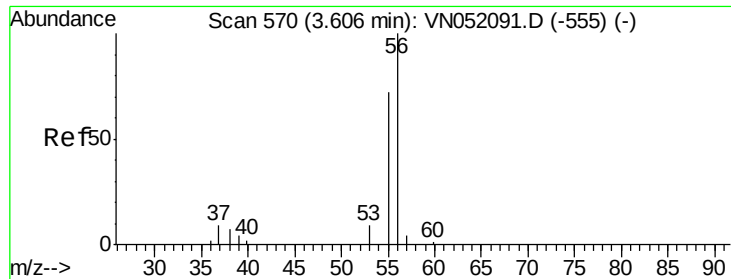
MMDadoda
11/2/2018 9:21:22 AM



#12
Methyl Acetate
Concen: 21.069 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	17.4	26.2





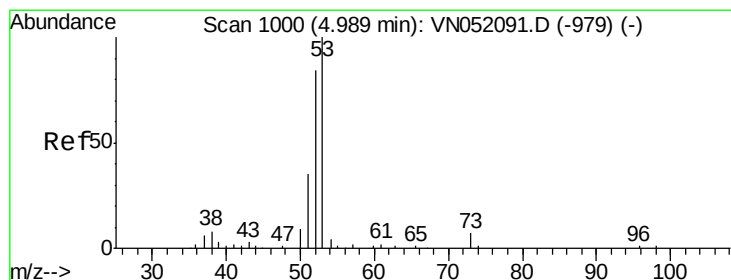
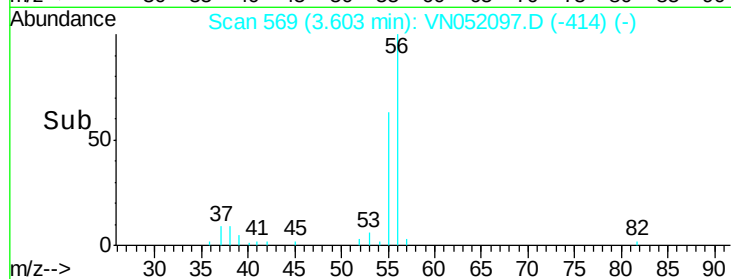
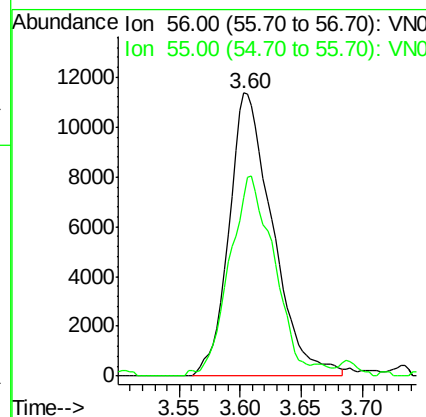
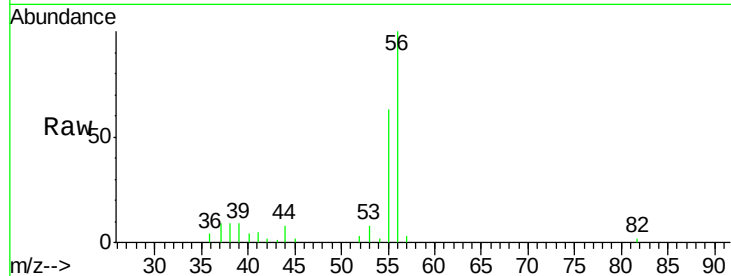
#13
Acrolein
Concen: 96.153 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 56 Resp: 28293
Ion Ratio Lower Upper
56 100
55 71.8 56.2 84.2

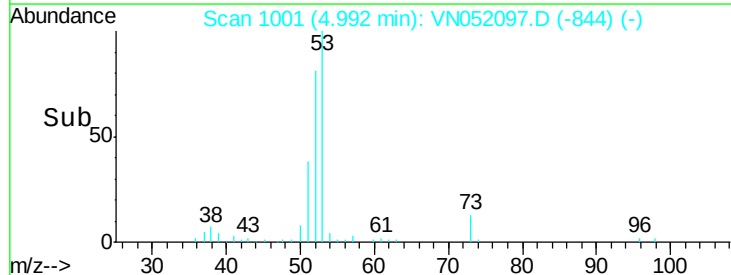
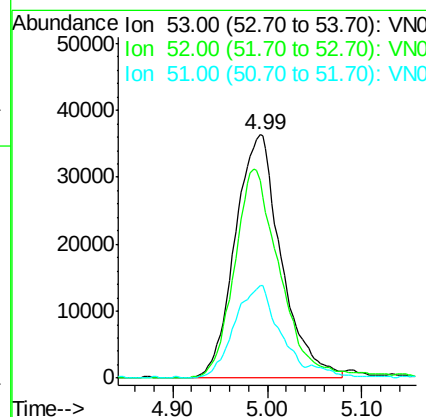
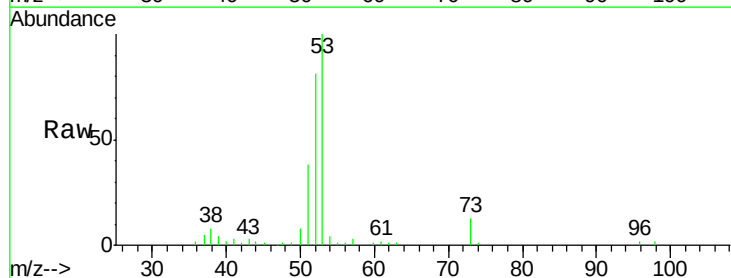
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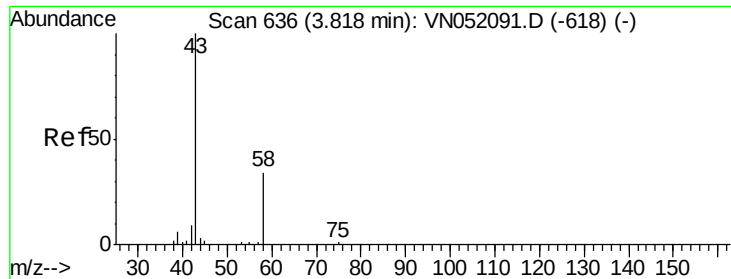
MMDadoda
11/2/2018 9:21:22 AM



#14
Acrylonitrile
Concen: 100.095 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion: 53 Resp: 123141
Ion Ratio Lower Upper
53 100
52 84.4 41.3 124.1
51 36.5 18.6 55.6





#15

Acetone

Concen: 103.601 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 58 Resp: 30123

Ion Ratio Lower Upper

58 100

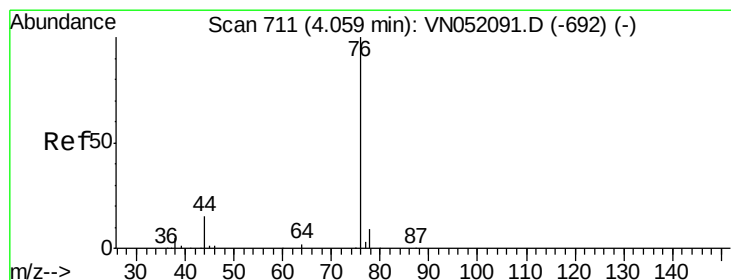
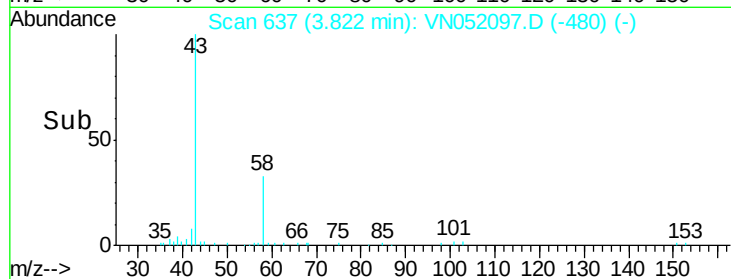
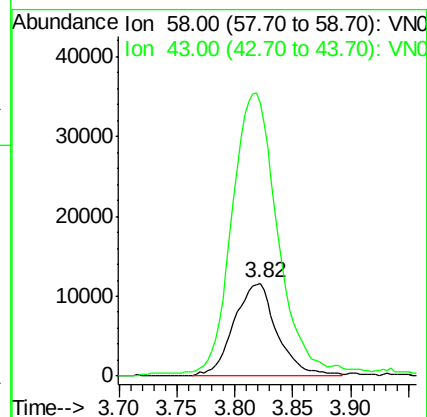
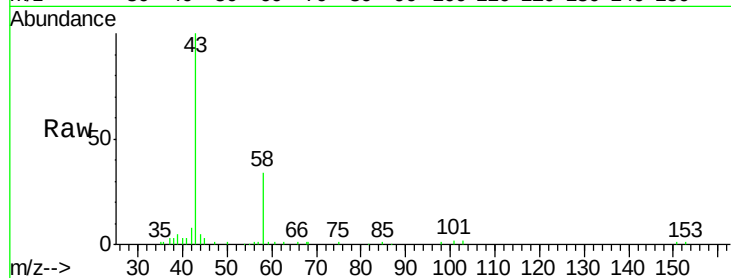
43 289.0 234.7 352.1

Manual Integrations

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#16

Carbon Disulfide

Concen: 19.645 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052097.D

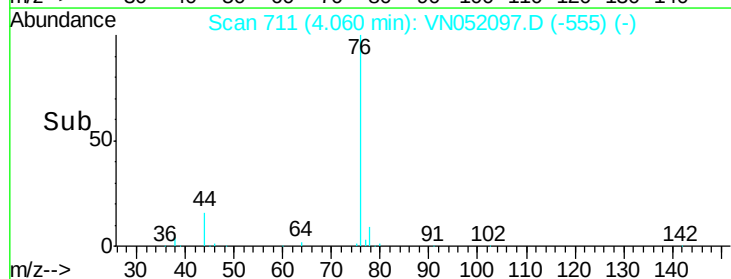
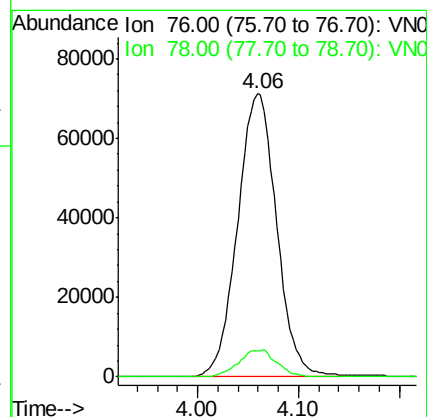
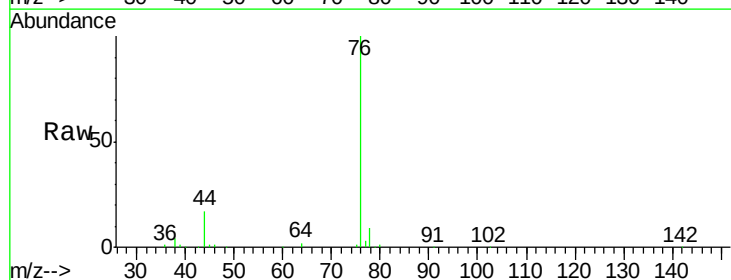
Acq: 1 Nov 2018 12:27

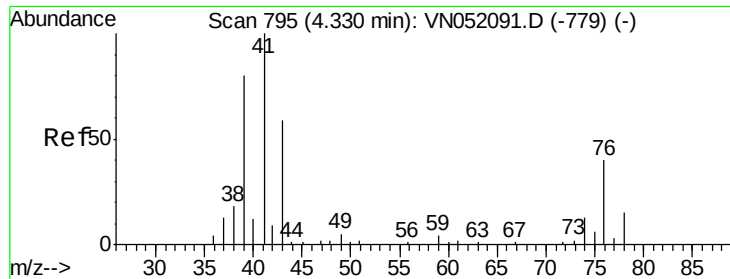
Tgt Ion: 76 Resp: 191174

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6





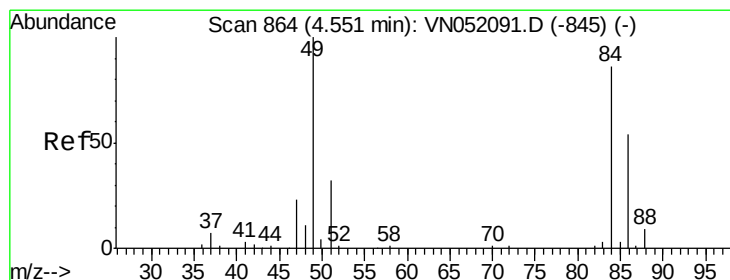
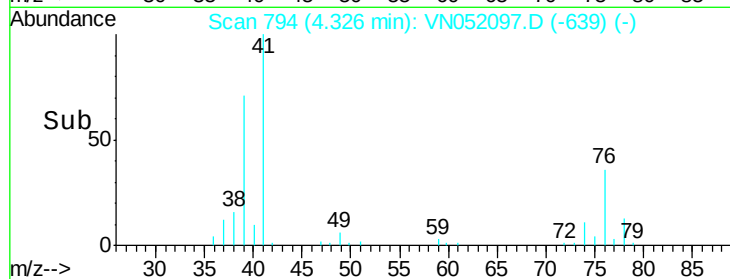
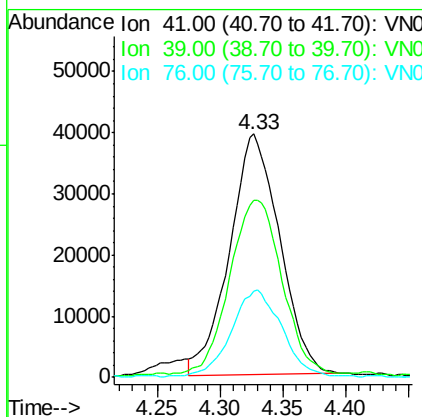
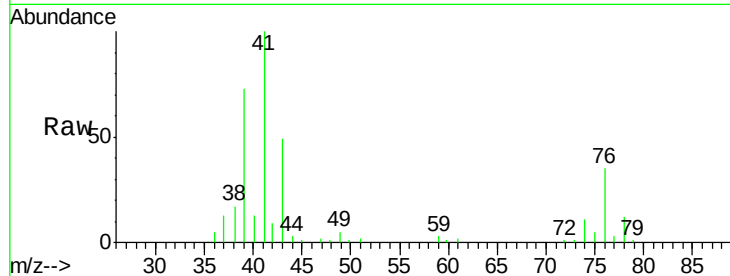
#17
 Allyl chloride
 Concen: 19.510 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	72.3	38.4	115.1
76	35.3	18.8	56.3

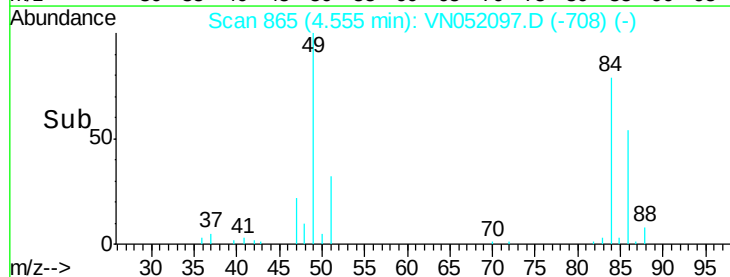
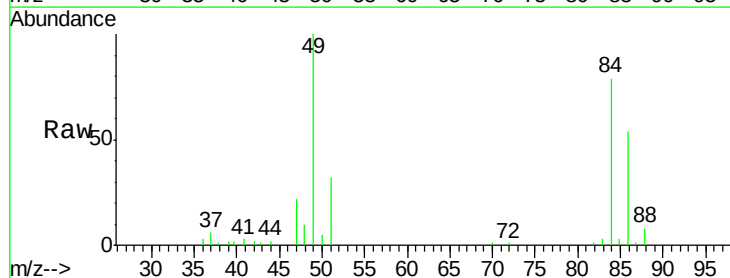
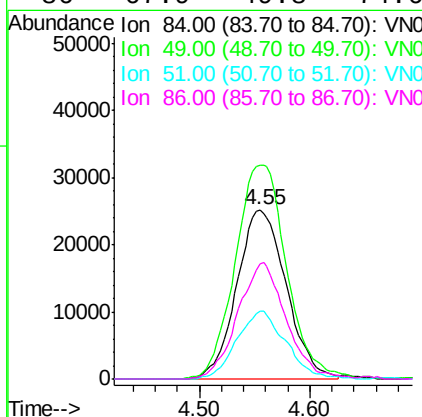
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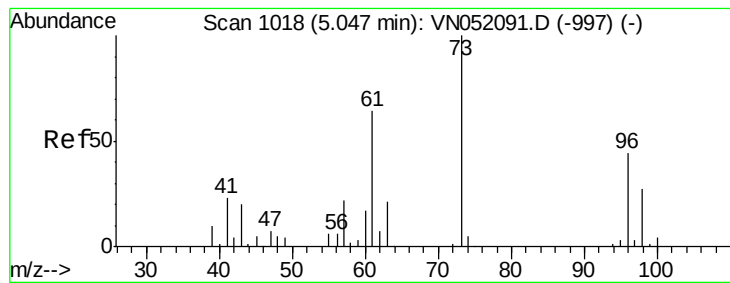
MMDadoda
 11/2/2018 9:21:22 AM



#18
 Methylene Chloride
 Concen: 19.209 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.0	92.6	138.8
51	40.2	29.7	44.5
86	67.9	49.8	74.6





#19

trans-1,2-Dichloroethene

Concen: 20.575 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 96 Resp: 74300

Ion Ratio Lower Upper

96 100

61 150.6 117.8 176.6

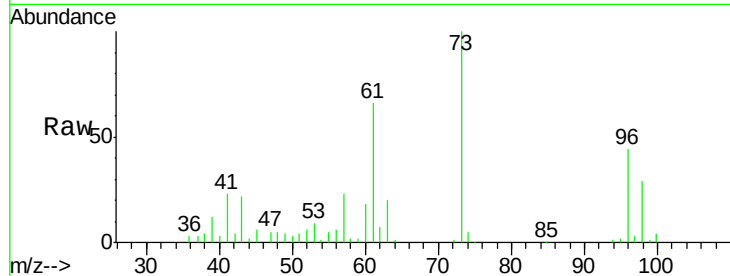
98 66.0 49.3 73.9

Manual Integrations

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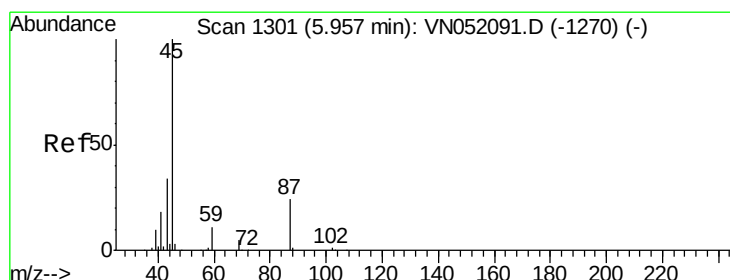
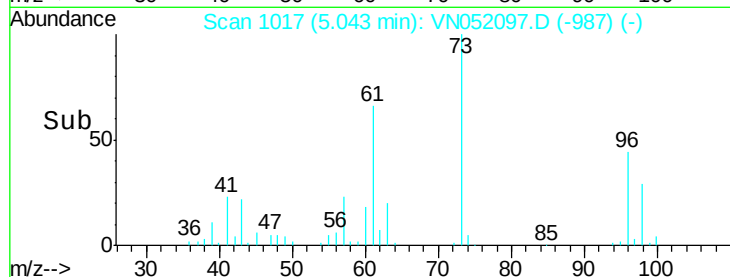
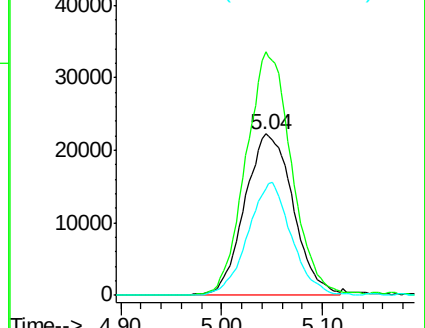
11/2/2018 9:21:22 AM



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: 20.224 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.01 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Tgt Ion: 45 Resp: 245925

Ion Ratio Lower Upper

45 100

43 66.0 49.4 74.0

87 28.3 20.3 30.5

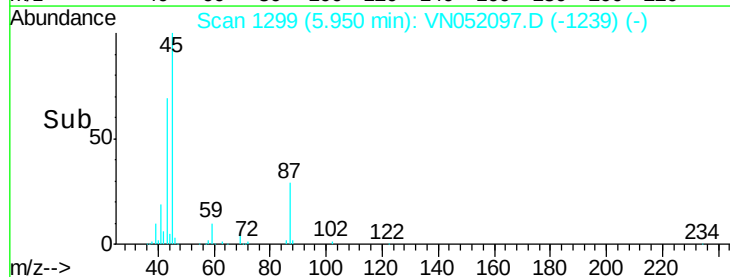
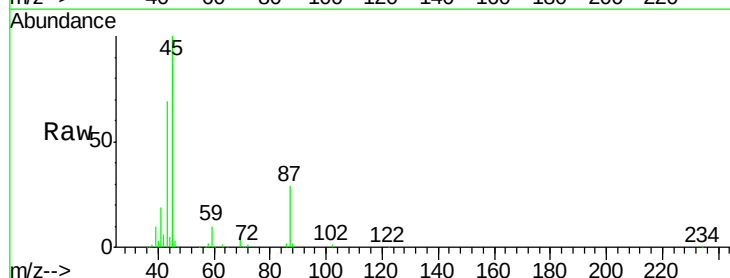
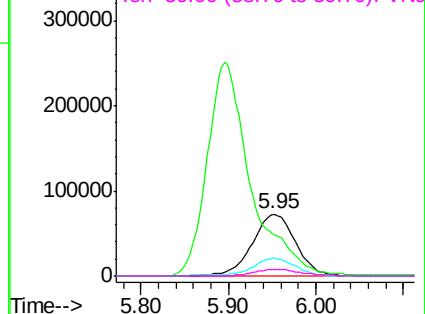
59 9.8 8.6 12.8

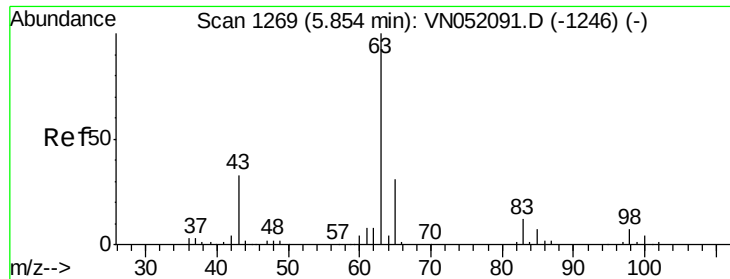
Abundance Ion 45.00 (44.70 to 45.70): VN0

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





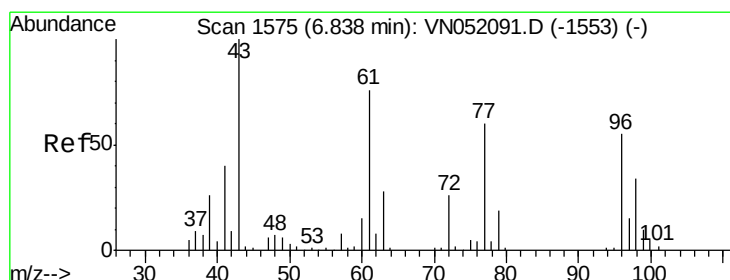
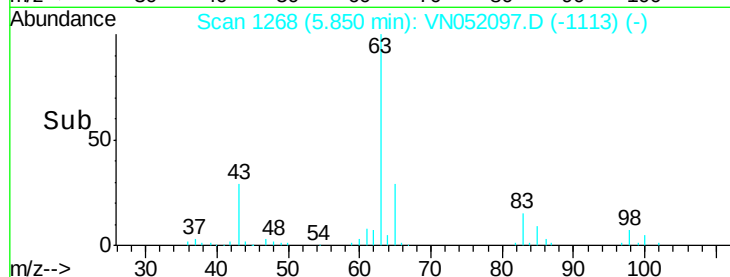
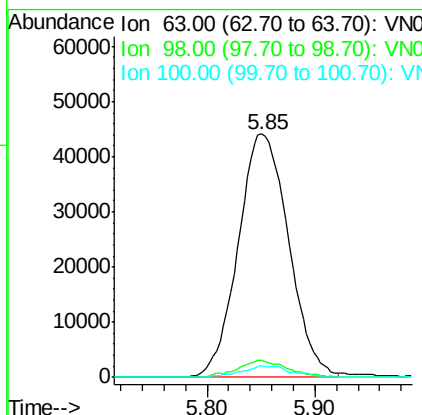
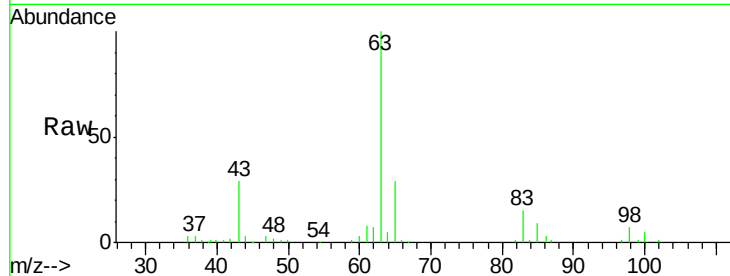
#21
 1,1-Dichloroethane
 Concen: 20.187 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.1
100	4.8	2.0	5.8

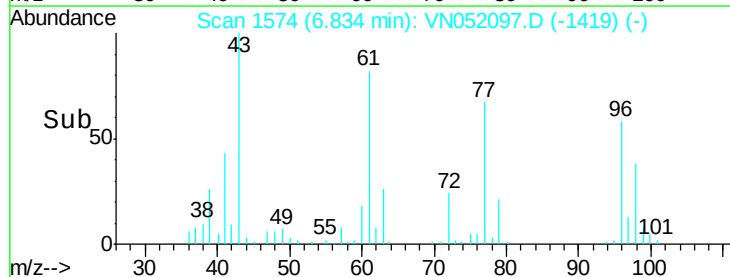
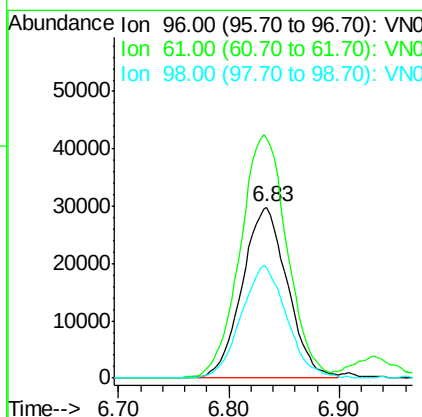
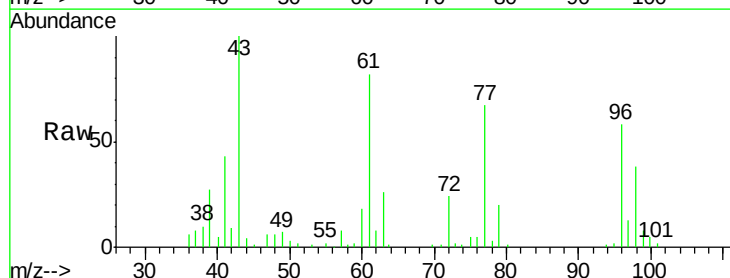
Manual Integrations
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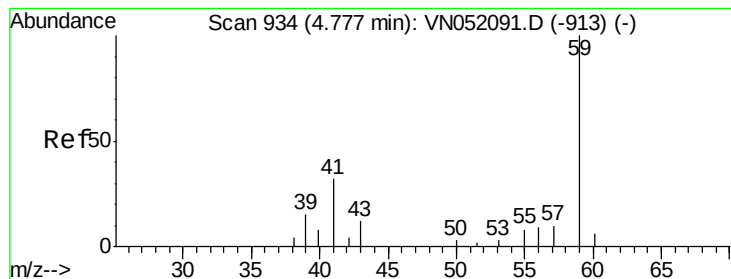
MMDadoda
 11/2/2018 9:21:22 AM



#22
 cis-1,2-Dichloroethene
 Concen: 20.119 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.6	117.6	176.4
98	66.4	51.0	76.4





#23

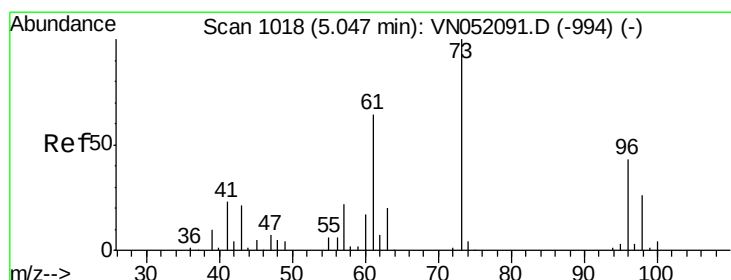
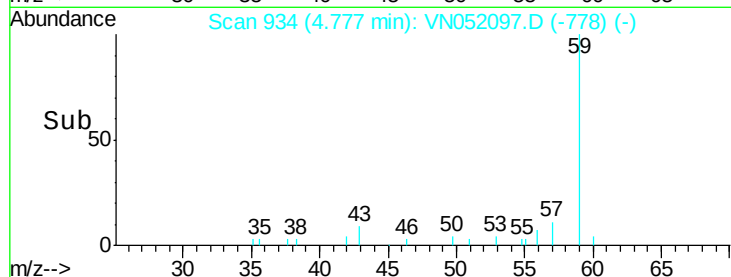
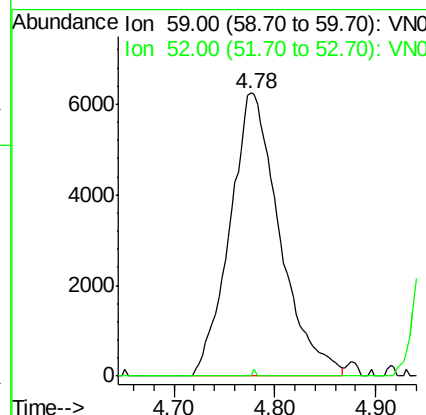
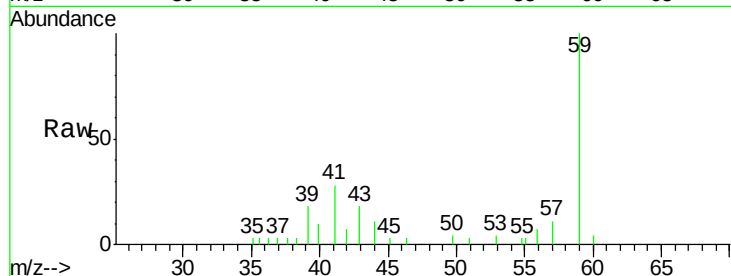
tert-Butyl Alcohol
 Concen: 111.838 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion: 59 Resp: 21437
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.3 0.5#

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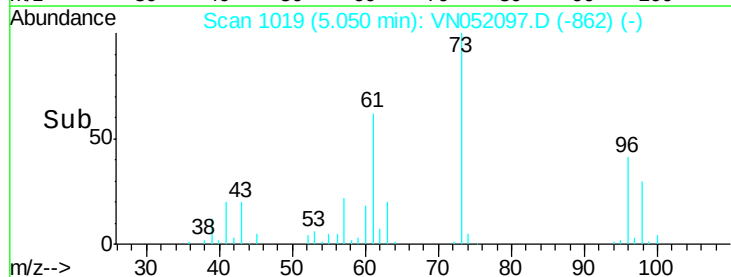
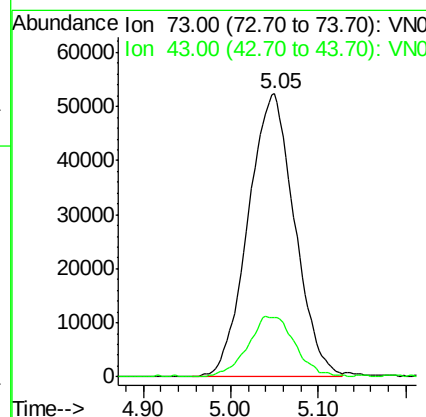
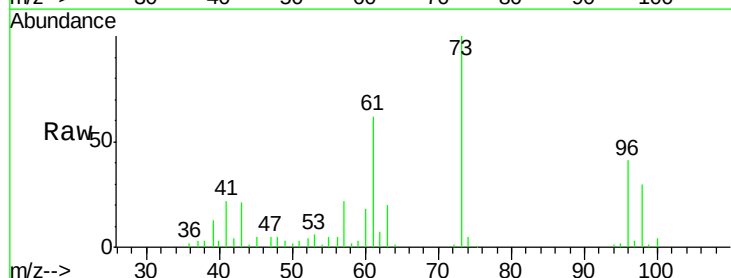
MMDadoda
 11/2/2018 9:21:22 AM

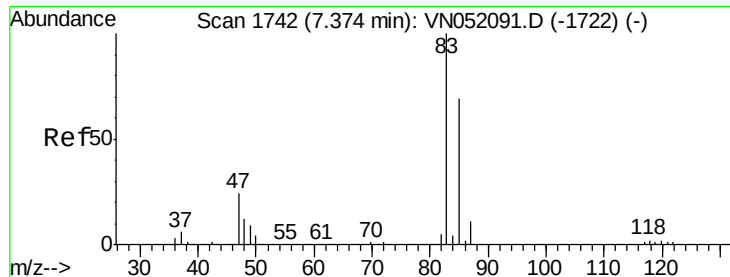


#24

Methyl tert-Butyl Ether
 Concen: 20.662 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion: 73 Resp: 193060
 Ion Ratio Lower Upper
 73 100
 43 11.3 17.4 26.2#





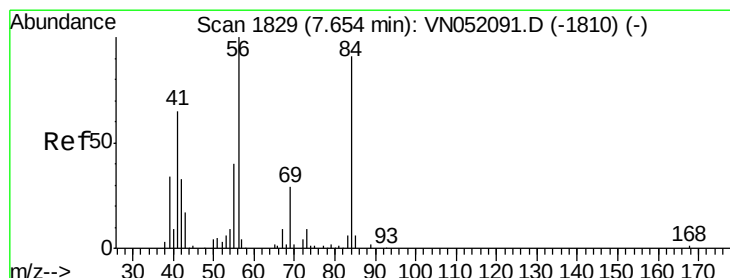
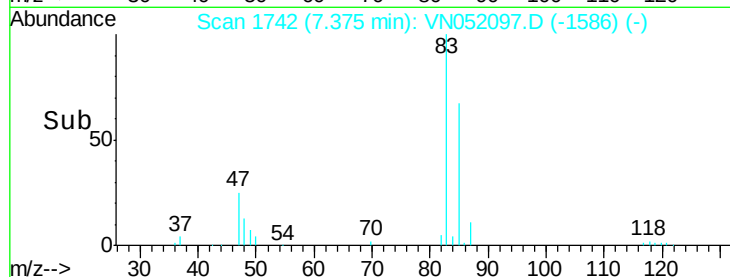
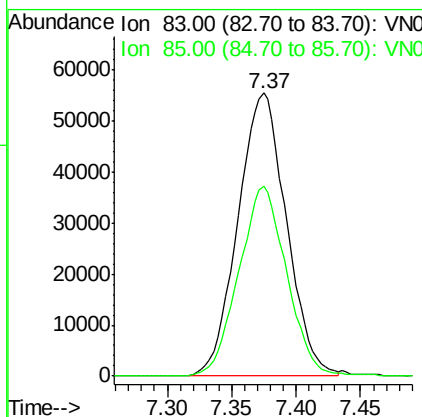
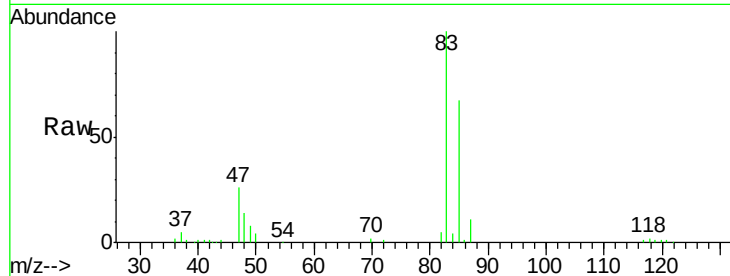
#25
Chloroform
Concen: 20.349 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 83 Resp: 145200
Ion Ratio Lower Upper
83 100
85 66.6 54.9 82.3

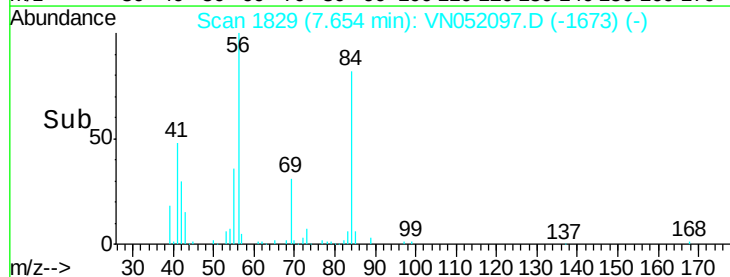
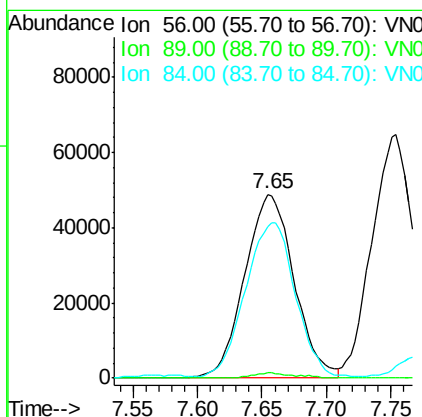
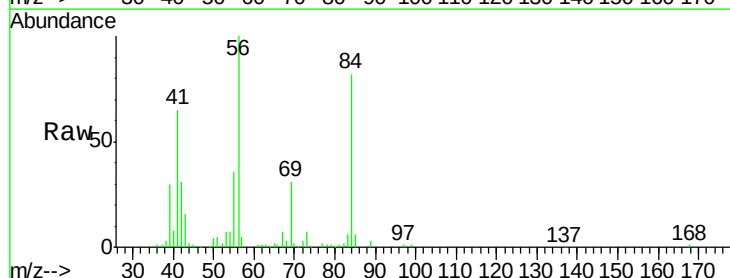
Manual Integrations
APPROVED

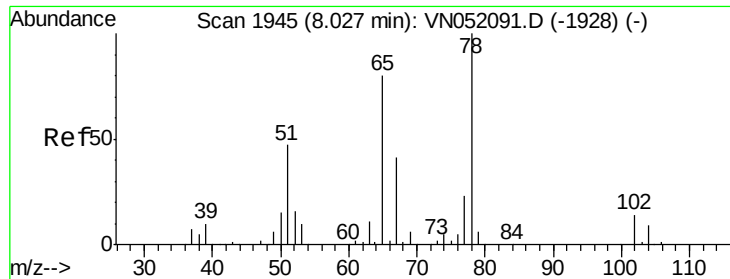
MMDadoda
11/2/2018 9:21:22 AM



#26
Cyclohexane
Concen: 20.460 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion: 56 Resp: 130338
Ion Ratio Lower Upper
56 100
89 1.9 2.2 3.2#
84 86.1 71.0 106.6





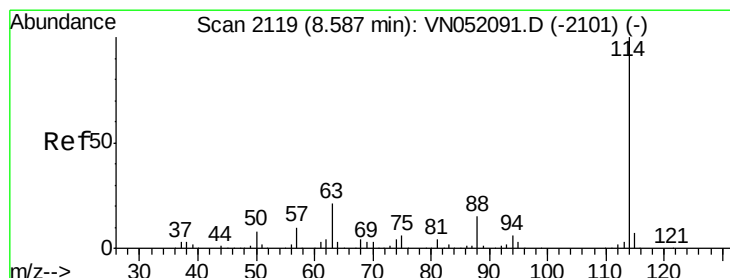
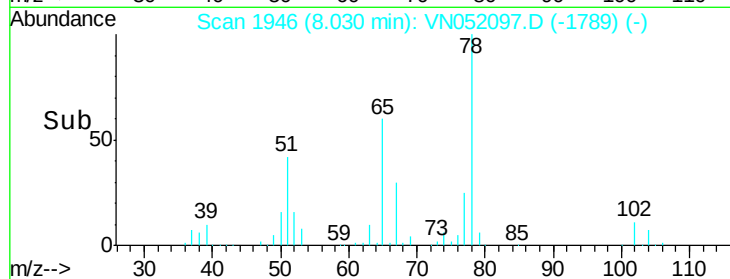
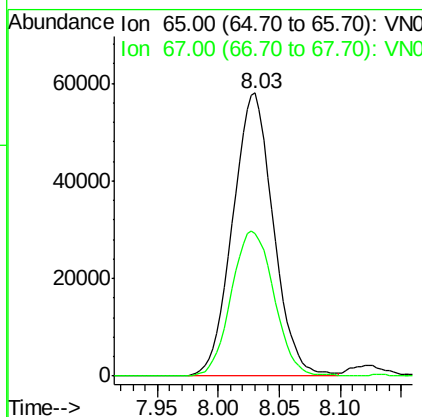
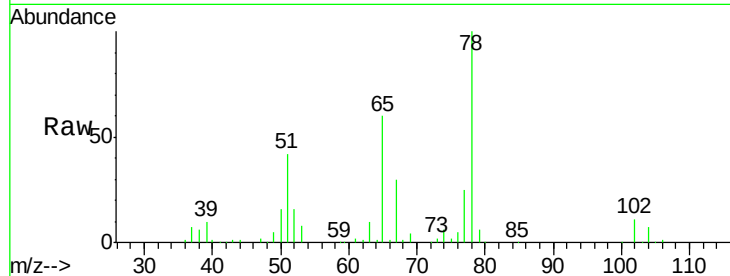
#27
 1,2-Dichloroethane-d4
 Concen: 20.460 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion: 65 Resp: 134147
 Ion Ratio Lower Upper
 65 100
 67 53.7 42.6 64.0

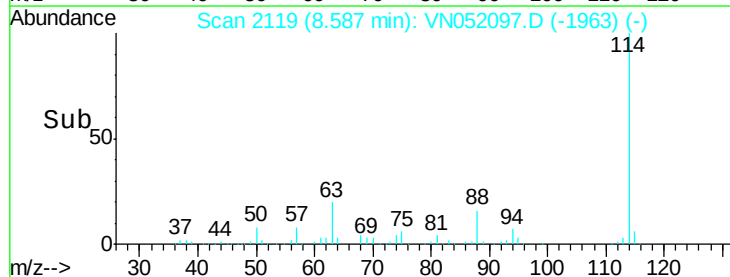
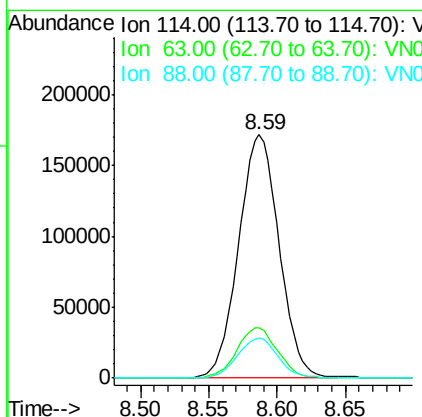
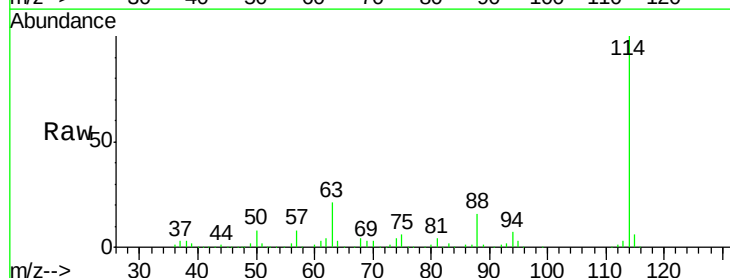
Manual Integrations
 APPROVED

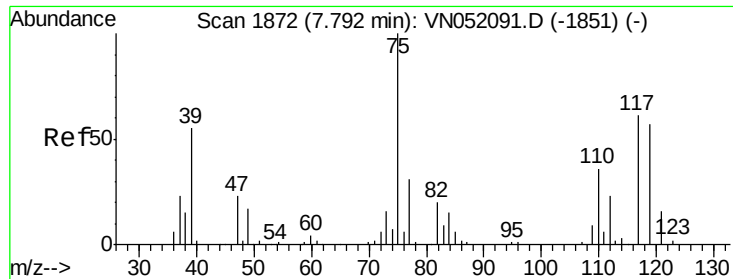
MMDadoda
 11/2/2018 9:21:22 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion: 114 Resp: 354385
 Ion Ratio Lower Upper
 114 100
 63 20.7 17.5 26.3
 88 16.3 12.6 18.8





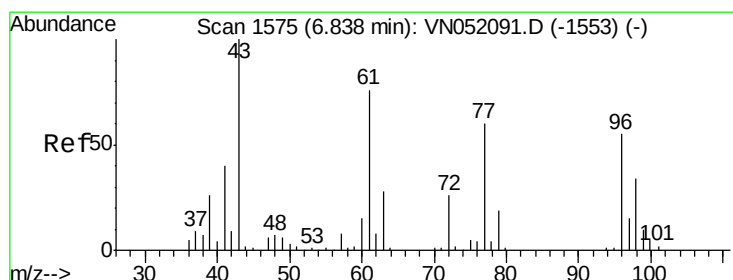
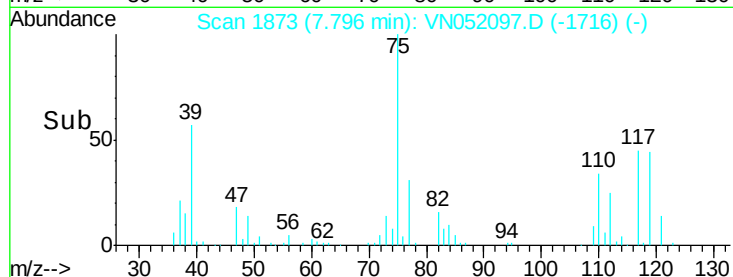
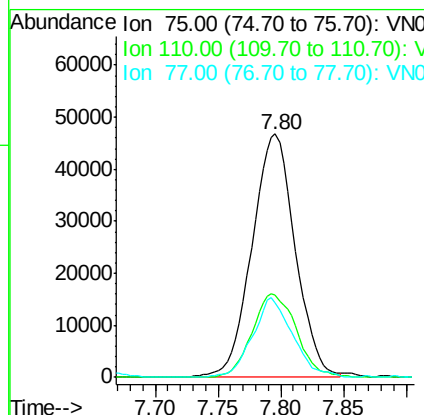
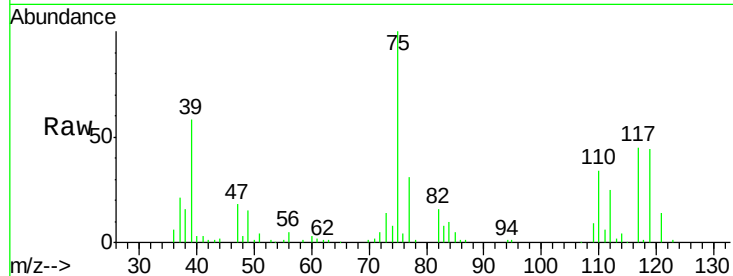
#29
 1,1-Dichloropropene
 Concen: 19.932 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	35.0	0.0	67.6
77	30.4	0.0	60.2

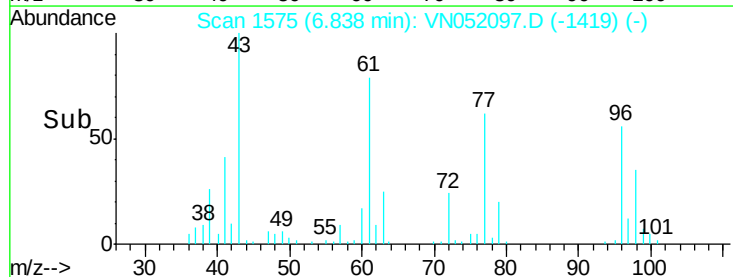
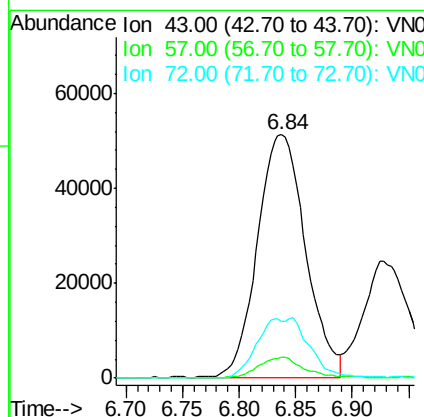
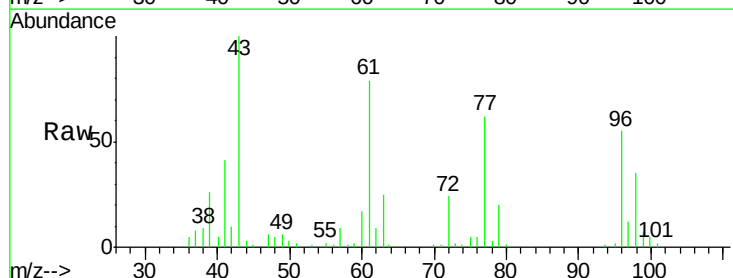
Manual Integrations
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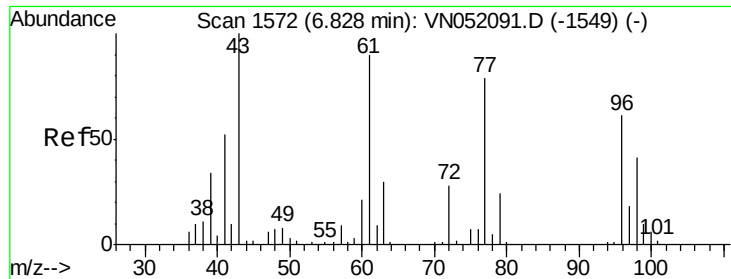
MMDadoda
 11/2/2018 9:21:22 AM



#30
 2-Butanone
 Concen: 101.420 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	7.2	6.6	9.8
72	14.7	9.2	13.8#





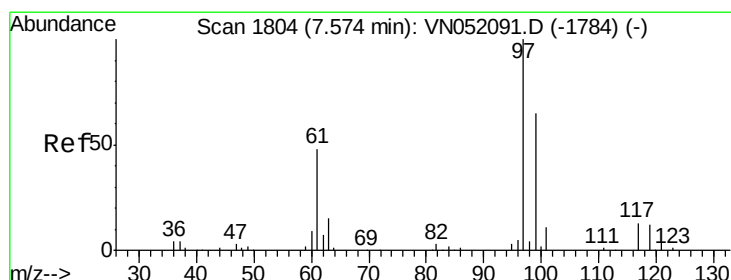
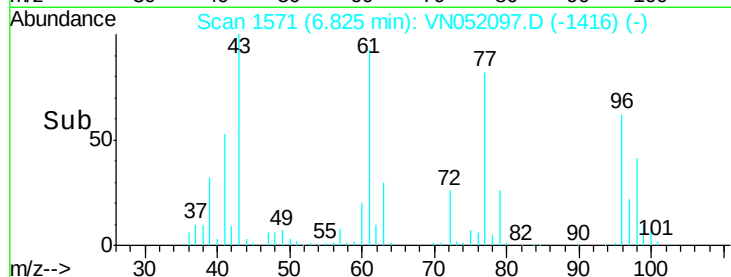
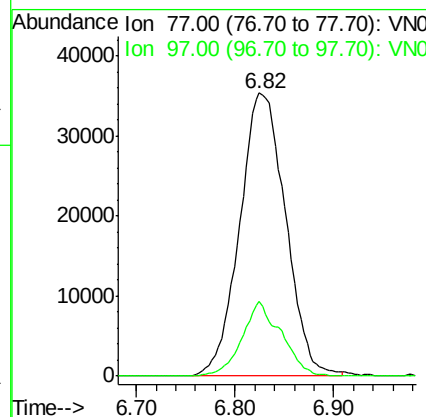
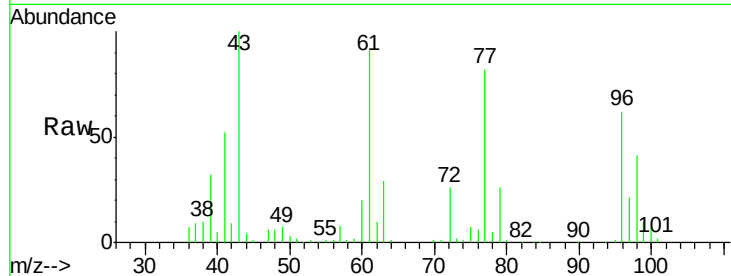
#31
 2,2-Dichloropropane
 Concen: 19.701 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion: 77 Resp: 114182
 Ion Ratio Lower Upper
 77 100
 97 16.8 18.2 27.2#

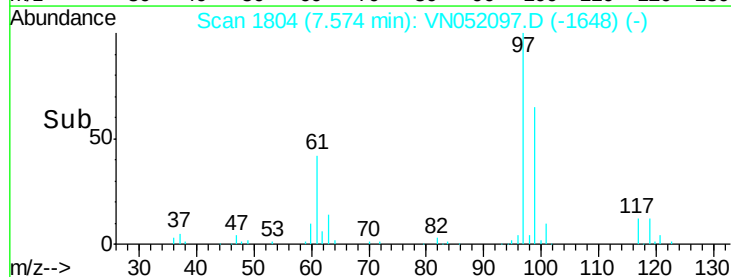
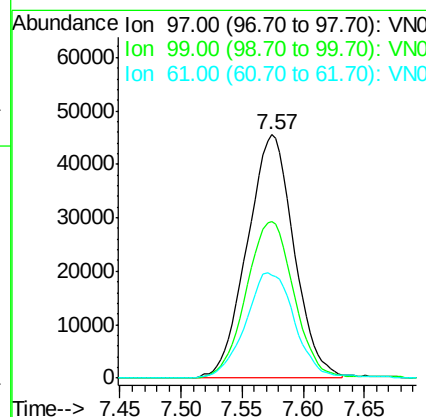
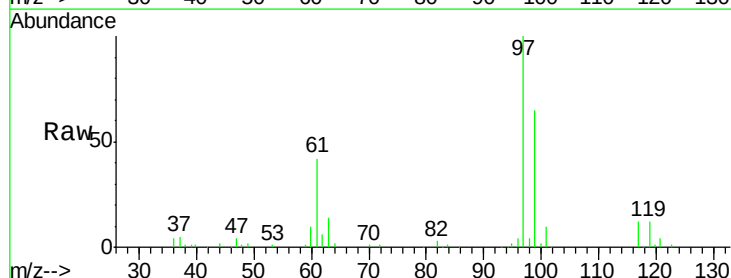
Manual Integrations
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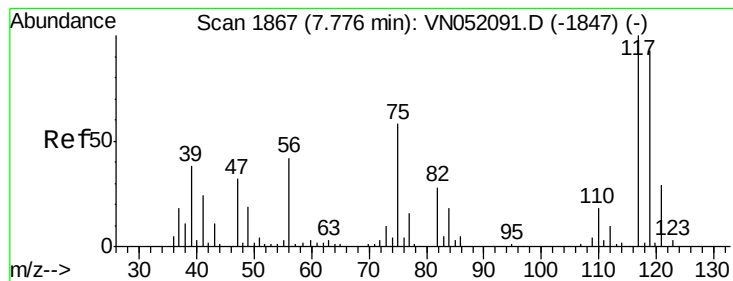
MMDadoda
 11/2/2018 9:21:22 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.236 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion: 97 Resp: 121097
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.7 77.5
 61 45.2 38.7 58.1





#33

Carbon Tetrachloride

Concen: 18.598 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 117 Resp: 104122
Ion Ratio Lower Upper

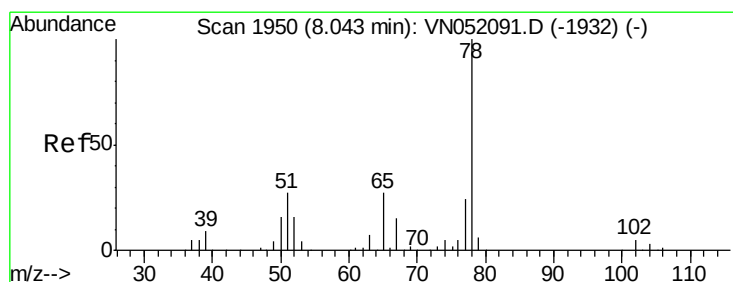
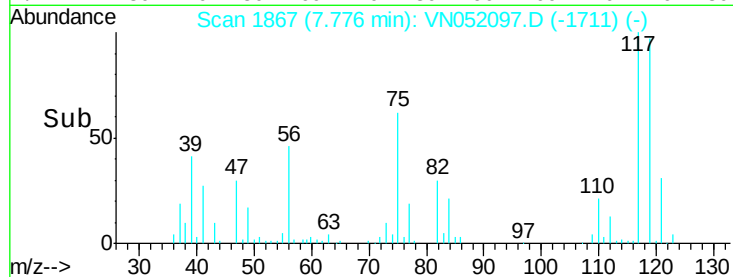
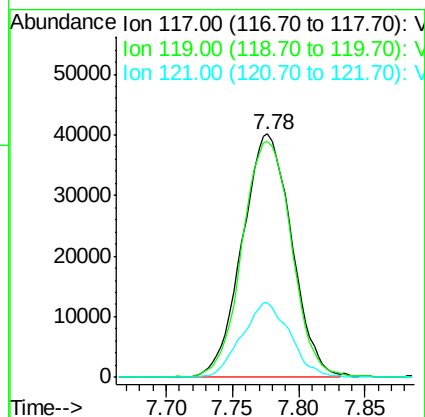
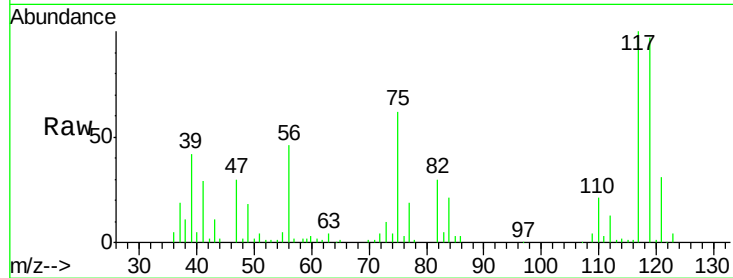
117 100

119 96.9 74.7 112.1

121 30.8 23.4 35.0

Manual Integrations
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#34

Benzene

Concen: 19.809 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052097.D

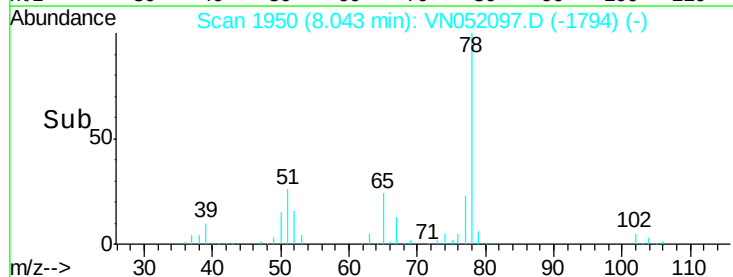
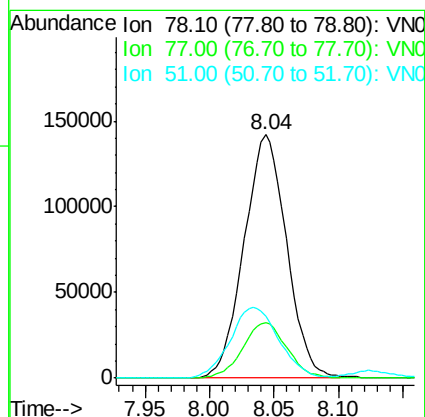
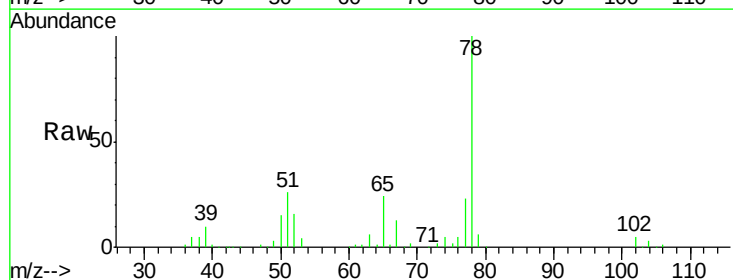
Acq: 1 Nov 2018 12:27

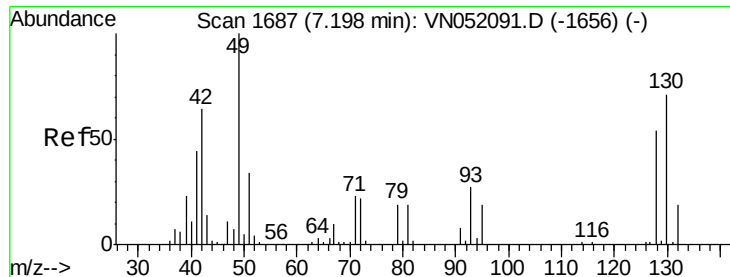
Tgt Ion: 78 Resp: 326340
Ion Ratio Lower Upper

78 100

77 22.7 19.1 28.7

51 25.1 21.2 31.8





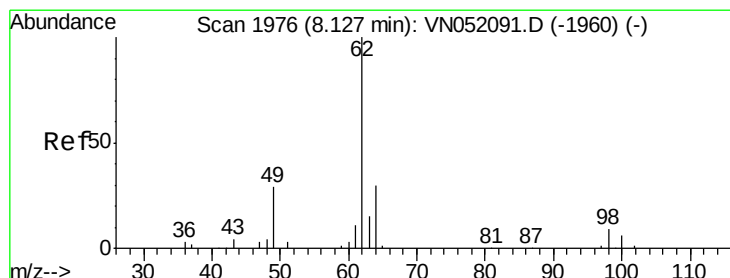
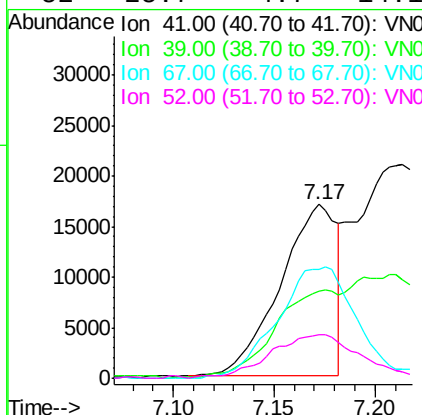
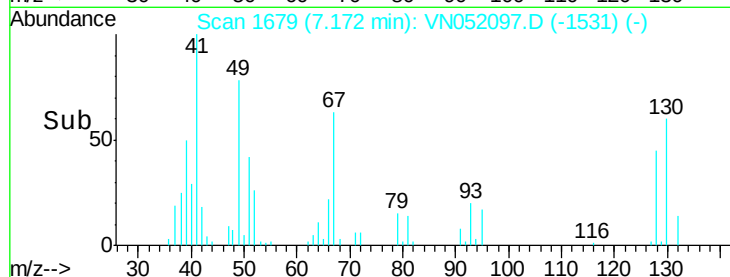
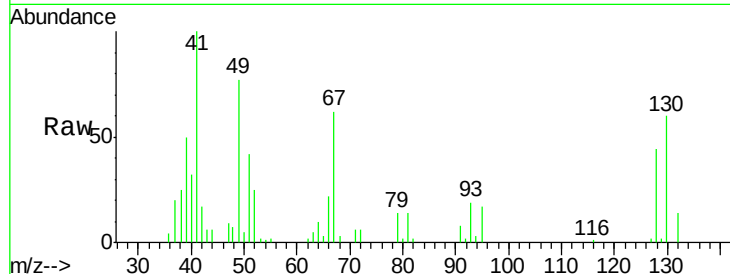
#35
Methacrylonitrile
Concen: 16.026 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.03 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 41 Resp: 32935
Ion Ratio Lower Upper
41 100
39 50.1 26.1 78.3
67 63.3 11.0 33.0#
52 25.7 4.7 14.1#

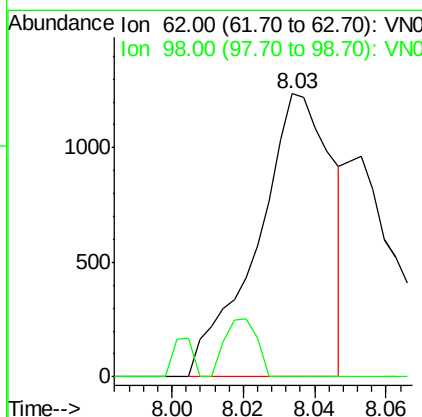
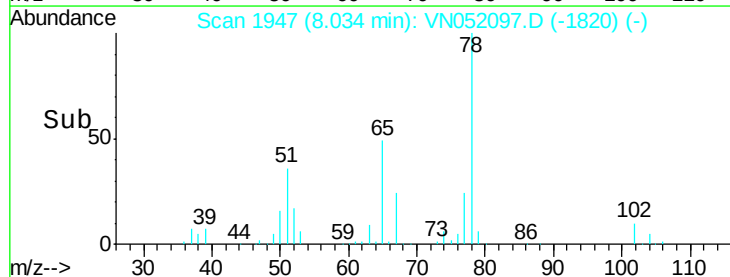
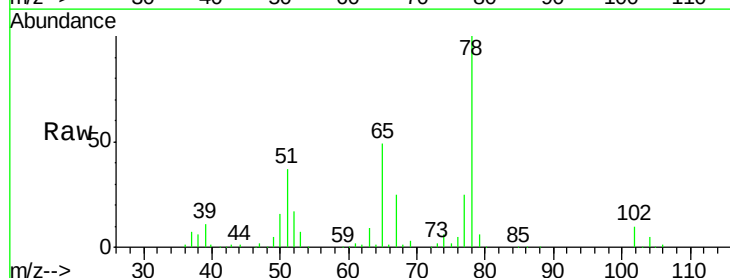
Manual Integrations
APPROVED

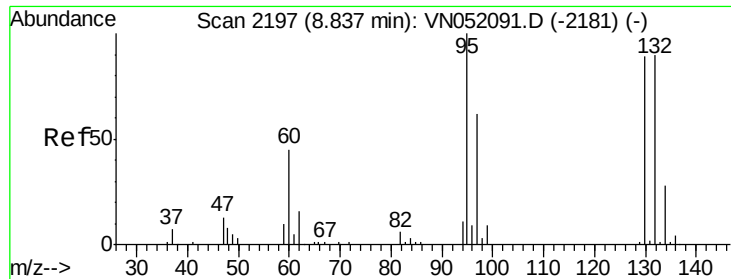
MMDadoda
11/2/2018 9:21:22 AM



#36
1,2-Dichloroethane
Concen: 0.325 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. -0.09 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion: 62 Resp: 1790
Ion Ratio Lower Upper
62 100
98 8.9 6.7 10.1





#37

Trichloroethene

Concen: 19.595 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion:130 Resp: 80794

Ion Ratio Lower Upper

130 100

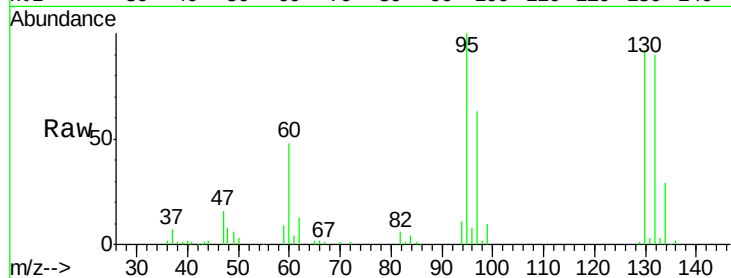
95 108.0 89.9 134.9

Manual Integrations

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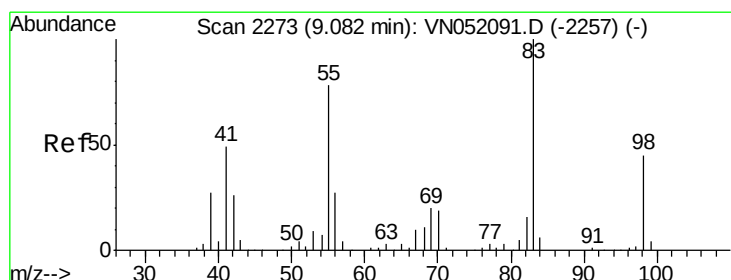
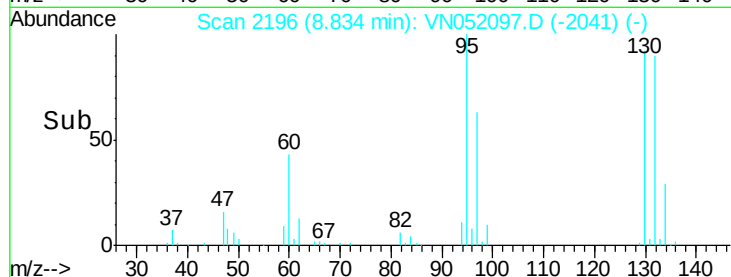
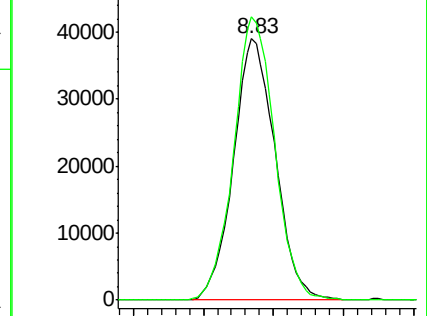
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 19.698 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

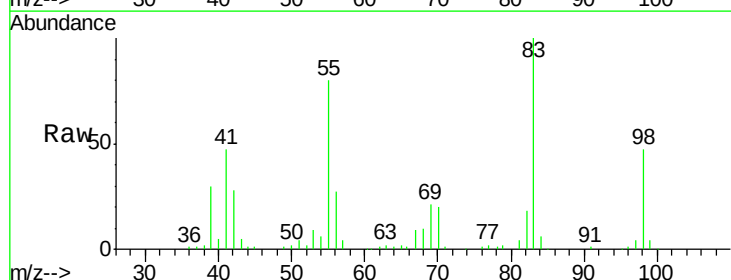
Tgt Ion: 83 Resp: 135200

Ion Ratio Lower Upper

83 100

55 78.9 38.5 115.3

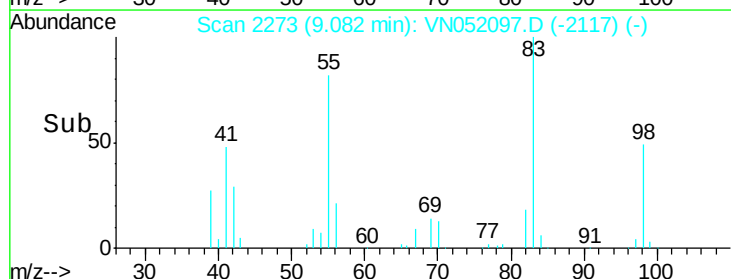
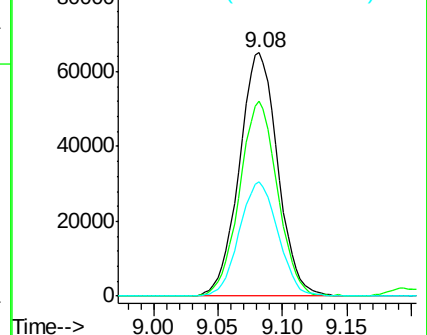
98 47.1 23.2 69.6

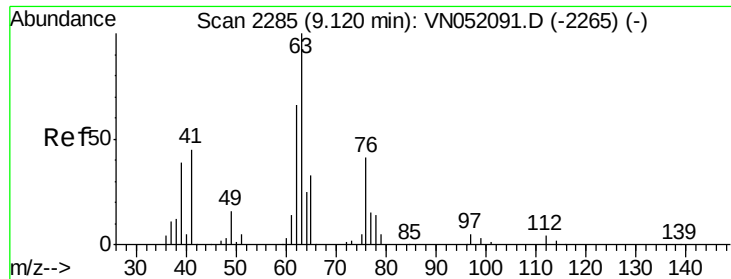


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 19.776 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 63 Resp: 86725

Ion Ratio Lower Upper

63 100

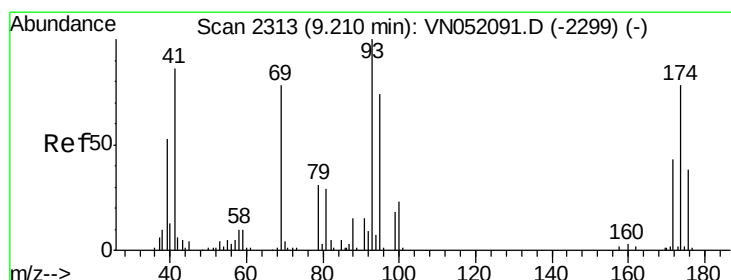
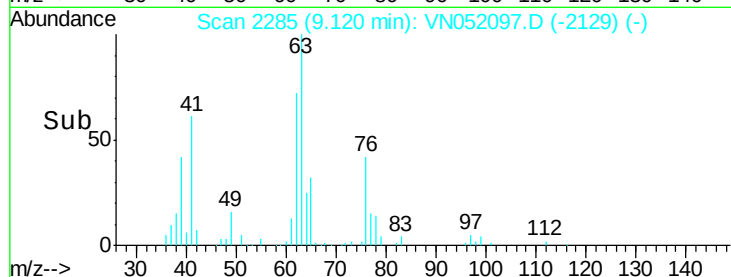
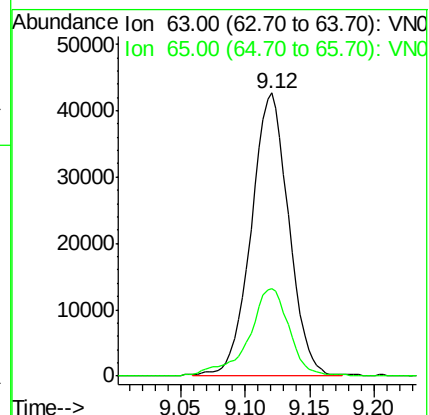
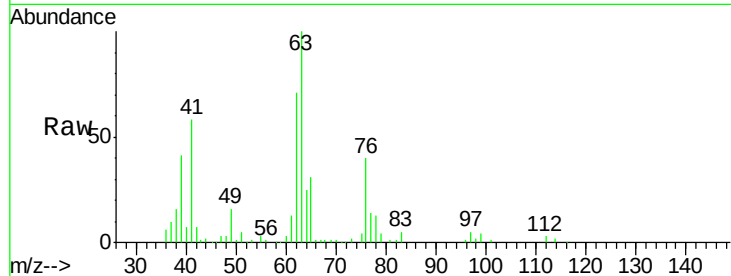
65 30.4 27.3 40.9

Manual Integrations

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#40

Dibromomethane

Concen: 19.093 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

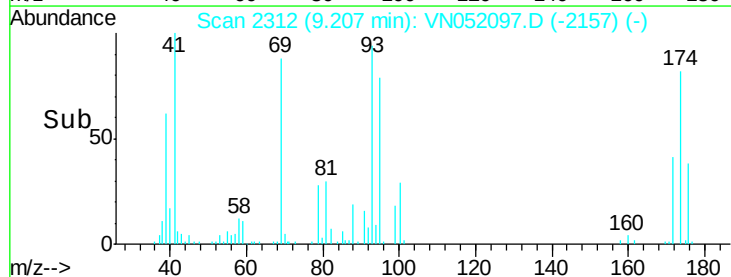
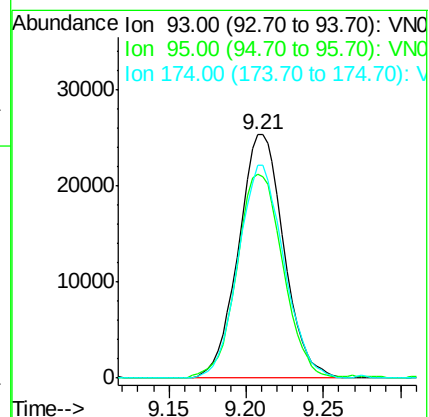
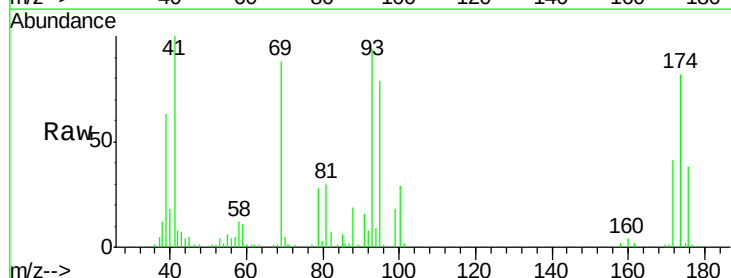
Tgt Ion: 93 Resp: 51609

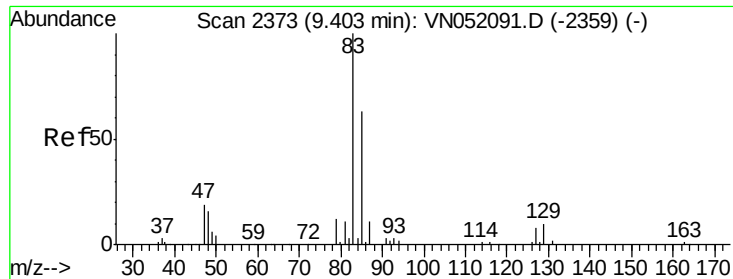
Ion Ratio Lower Upper

93 100

95 84.9 0.0 161.2

174 87.7 0.0 165.0





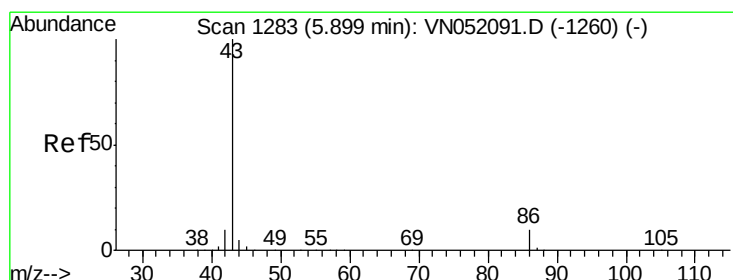
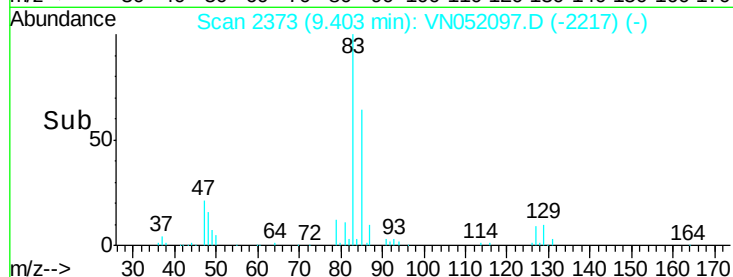
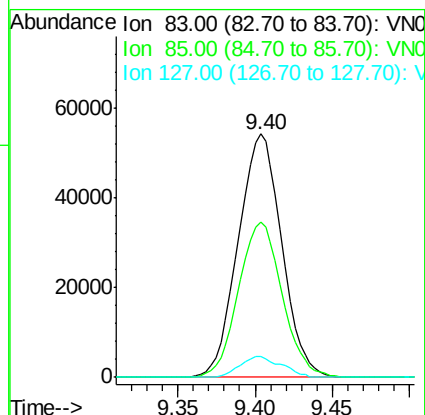
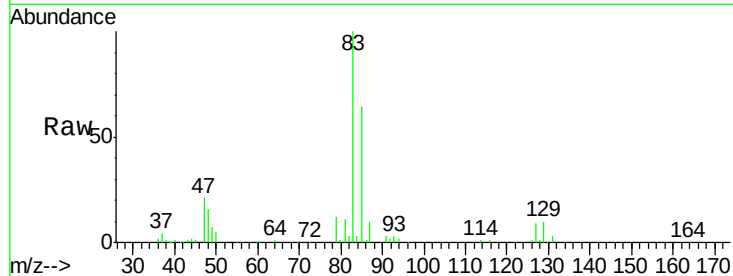
#41
Bromodichloromethane
Concen: 19.158 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.2	75.2
127	8.6	6.6	10.0

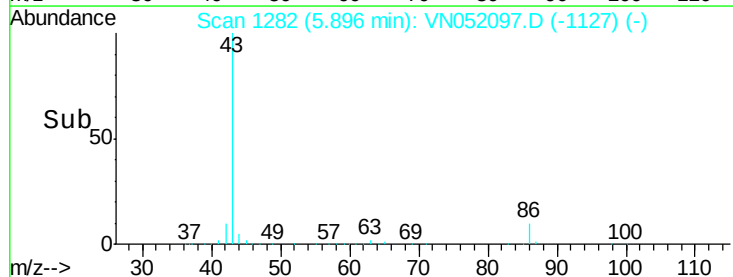
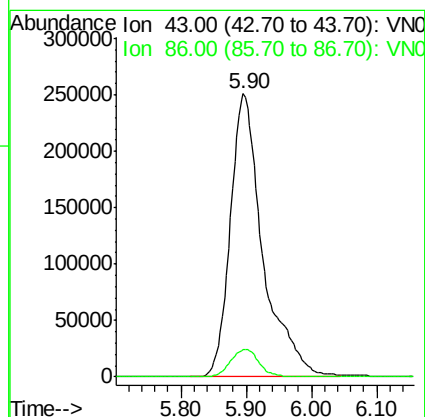
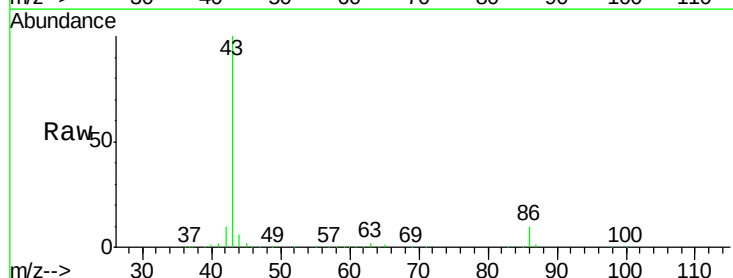
Manual Integrations
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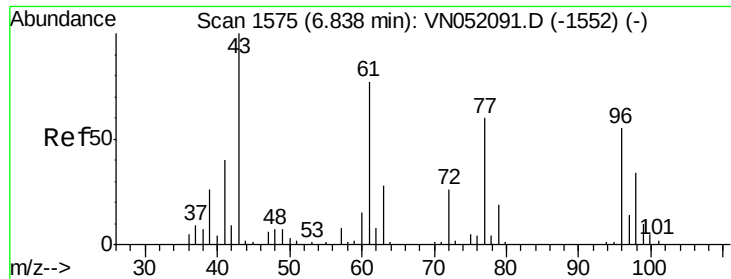
MMDadoda
11/2/2018 9:21:22 AM



#42
Vinyl Acetate
Concen: 98.809 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.6	10.0





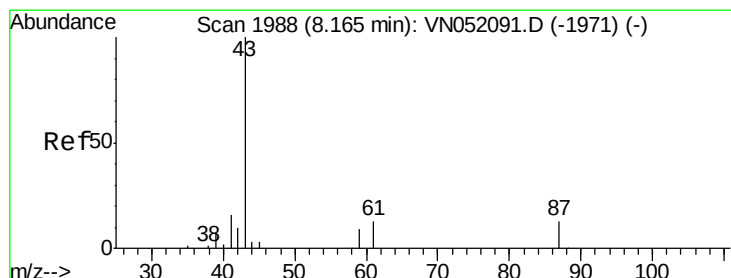
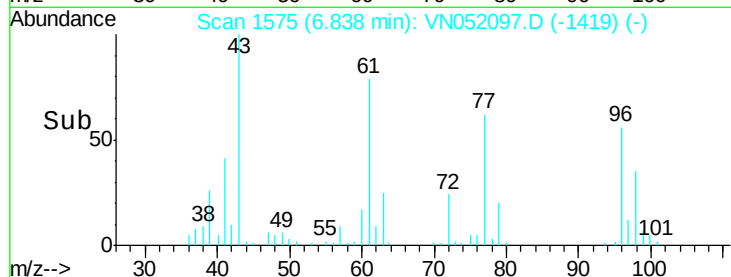
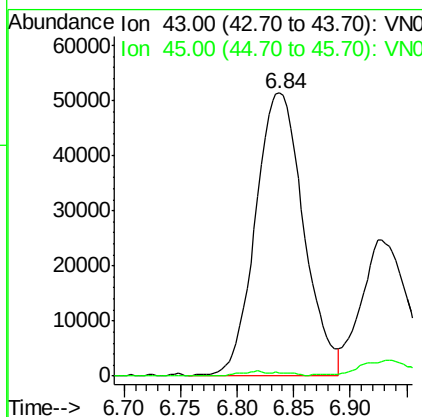
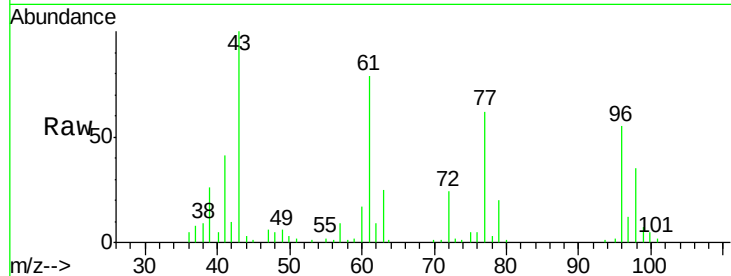
#43
Ethyl Acetate
Concen: 20.181 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 43 Resp: 151962
Ion Ratio Lower Upper
43 100
45 0.4 3.8 5.8#

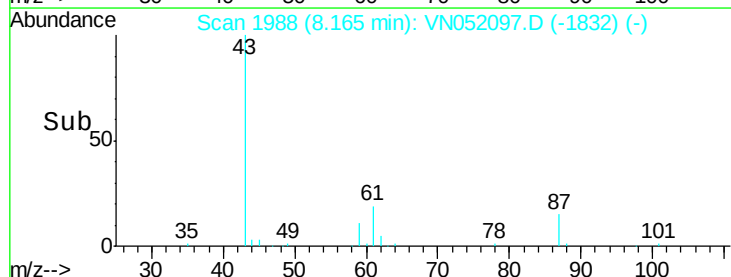
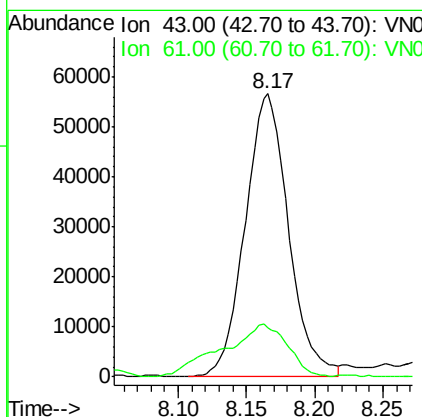
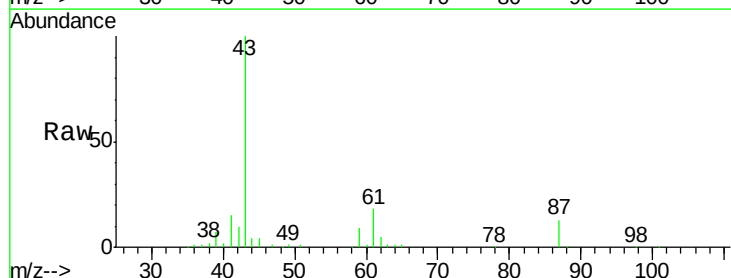
Manual Integrations
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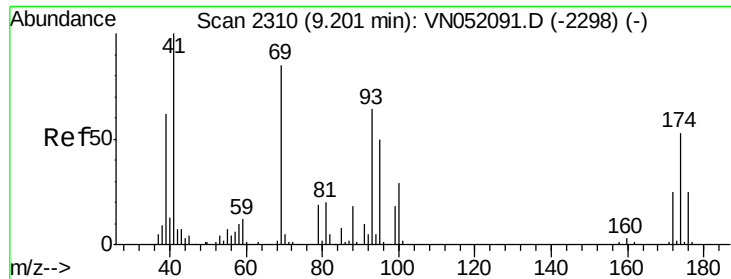
MMDadoda
11/2/2018 9:21:22 AM



#44
Isopropyl Acetate
Concen: 19.901 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion: 43 Resp: 124070
Ion Ratio Lower Upper
43 100
61 17.5 16.2 24.2





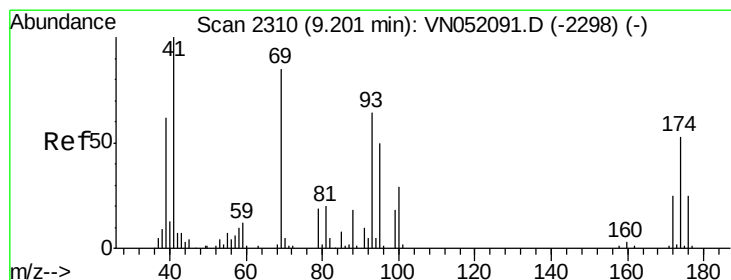
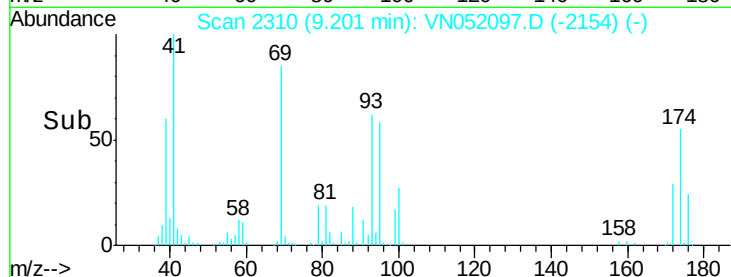
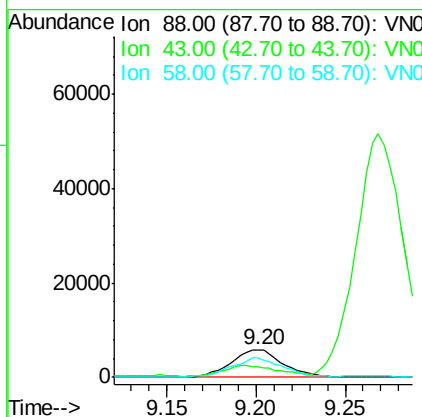
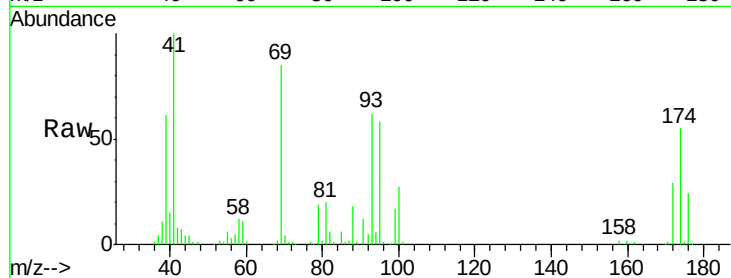
#45
 1,4-Dioxane
 Concen: 414.931 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	43.0	28.6	43.0#
58	71.0	37.8	56.8#

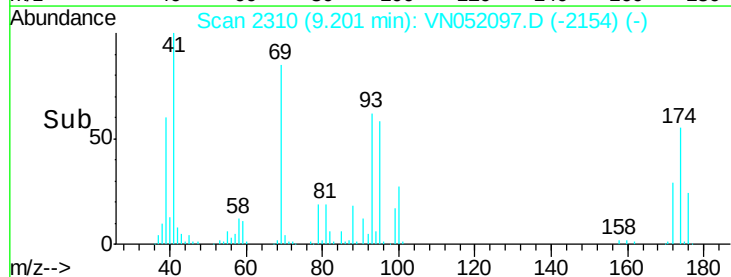
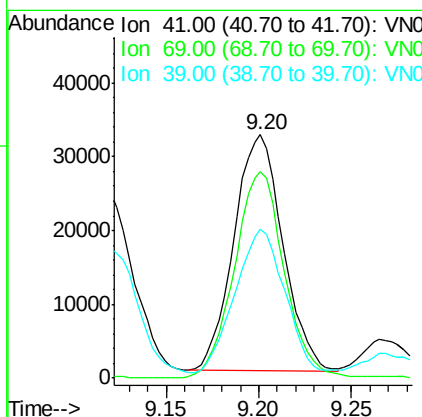
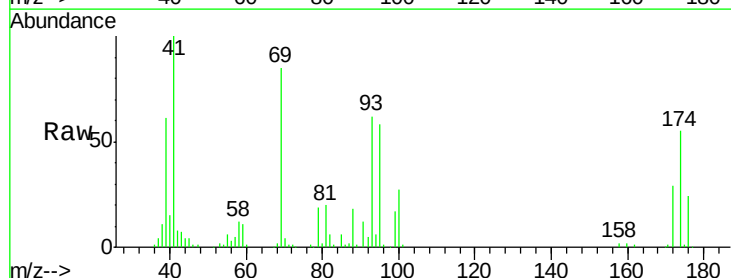
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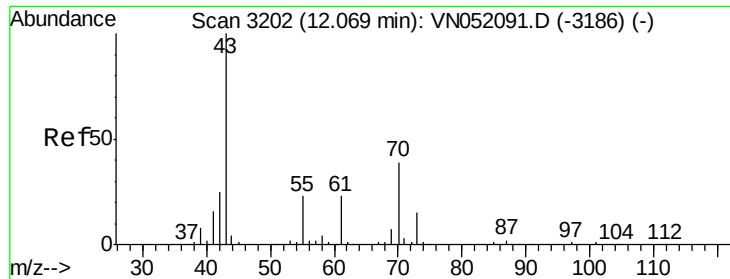
MMDadoda
 11/2/2018 9:21:22 AM



#46
 Methyl methacrylate
 Concen: 18.894 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.9	42.5	127.6
39	60.9	31.1	93.3





#47

n-amyI Acetate

Concen: 18.705 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 43 Resp: 105706

Ion Ratio Lower Upper

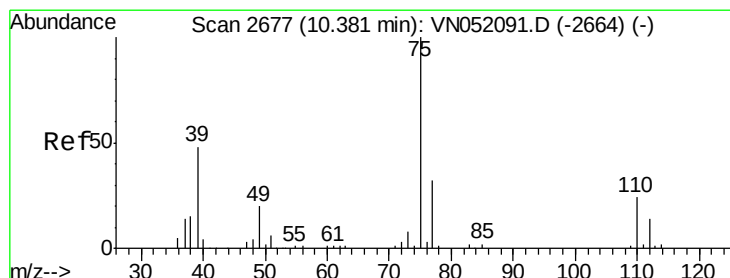
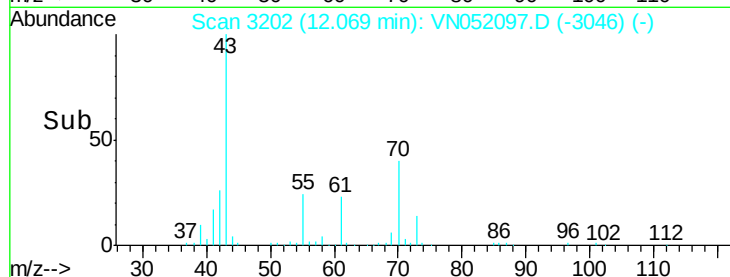
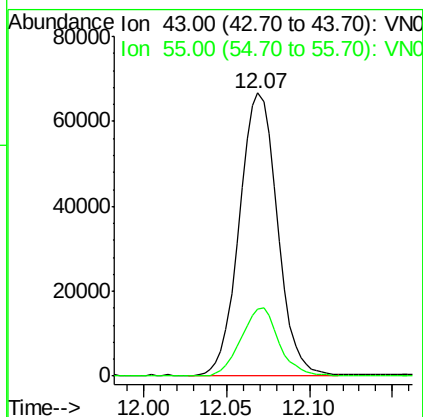
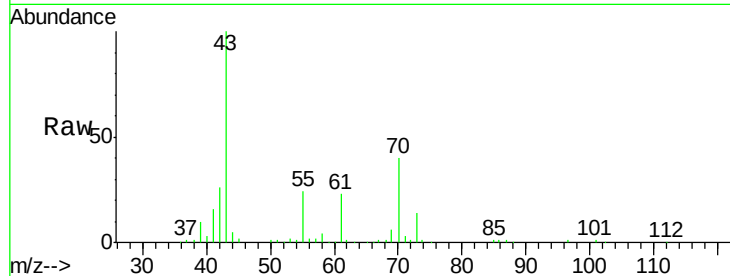
43 100

55 24.4 0.0 0.0#

Manual Integrations
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MMDadoda

11/2/2018 9:21:22 AM



#48

t-1,3-Dichloropropene

Concen: 18.747 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052097.D

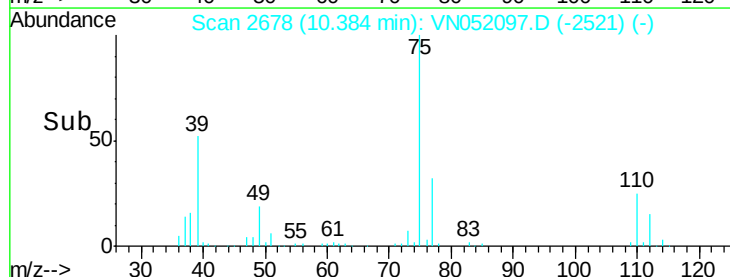
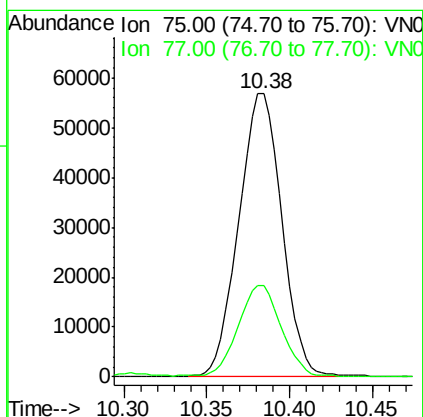
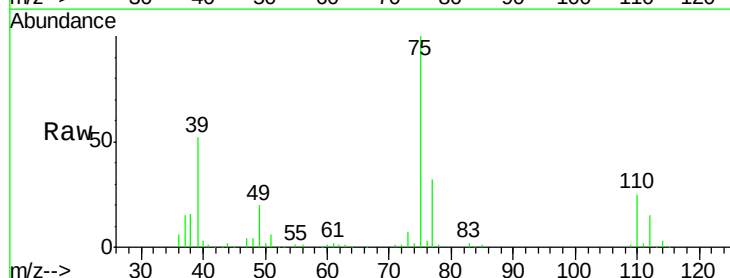
Acq: 1 Nov 2018 12:27

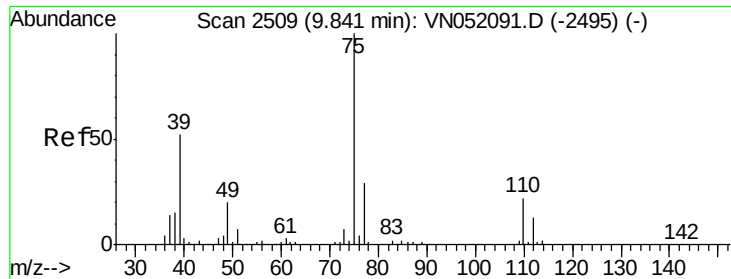
Tgt Ion: 75 Resp: 102956

Ion Ratio Lower Upper

75 100

77 31.8 26.3 39.5





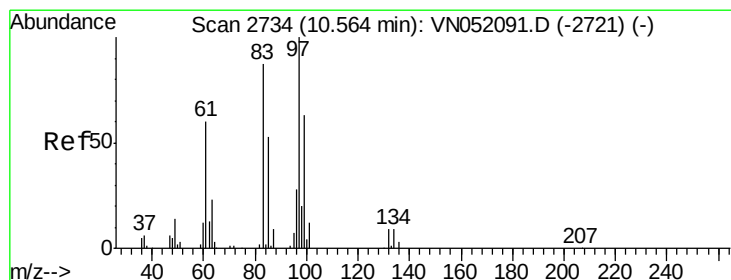
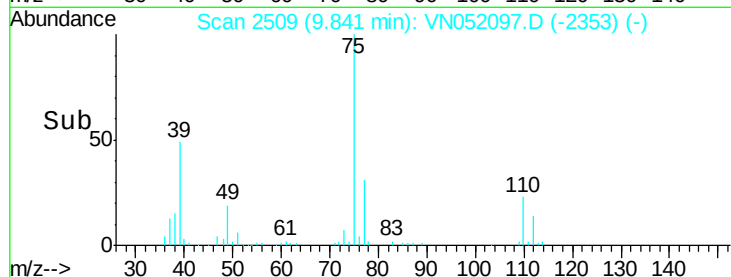
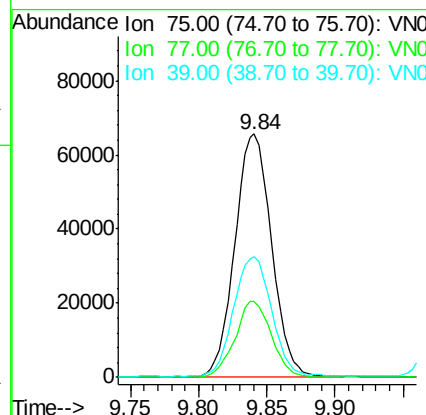
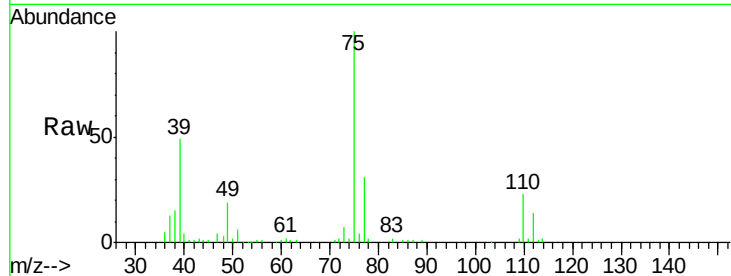
#49
 cis-1,3-Dichloropropene
 Concen: 19.429 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	23.3	34.9
39	48.9	41.6	62.4

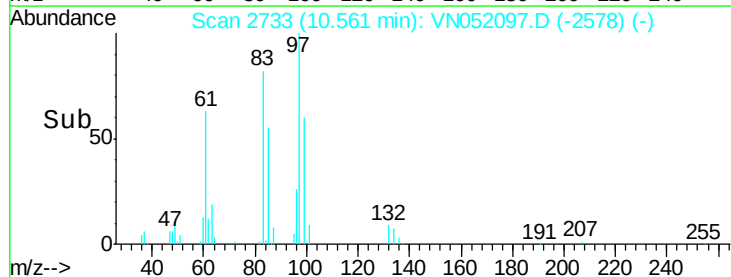
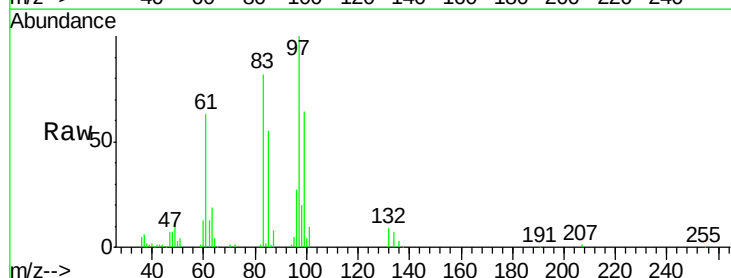
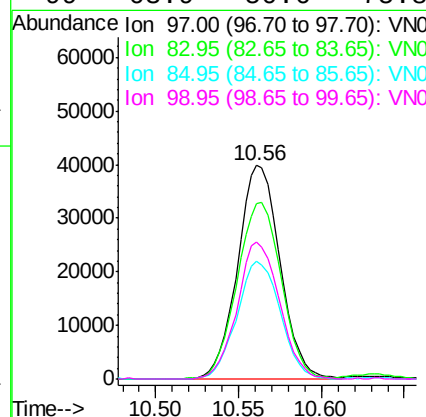
Manual Integrations
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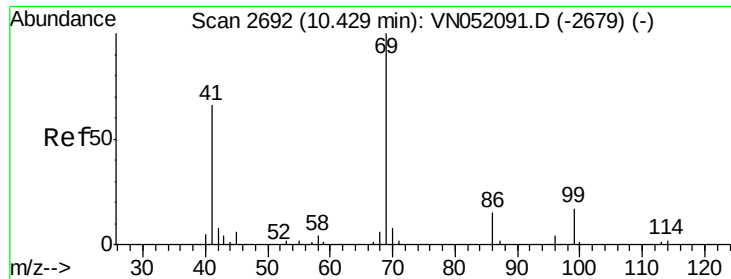
MMDadoda
 11/2/2018 9:21:22 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.884 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.8	69.4	104.0
85	55.1	42.7	64.1
99	63.9	50.6	75.8





#51

Ethyl methacrylate

Concen: 20.268 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 69 Resp: 93628

Ion Ratio Lower Upper

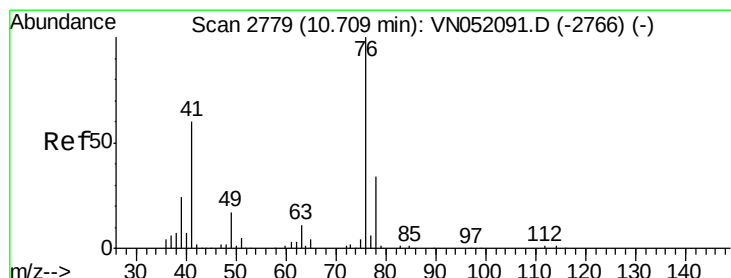
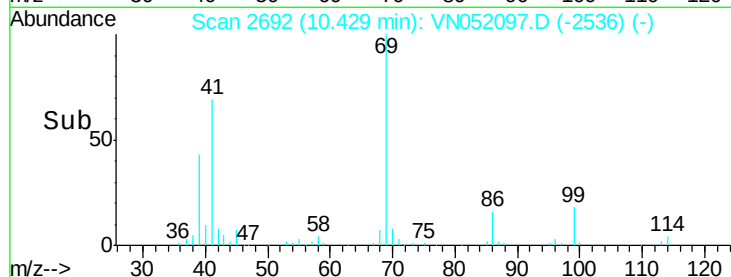
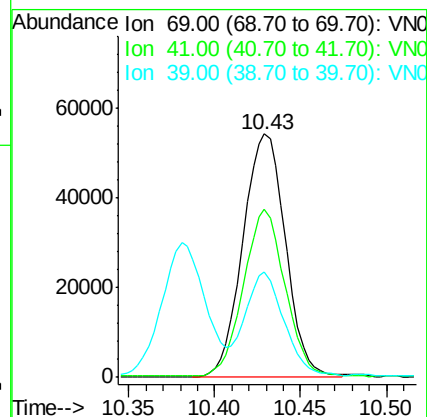
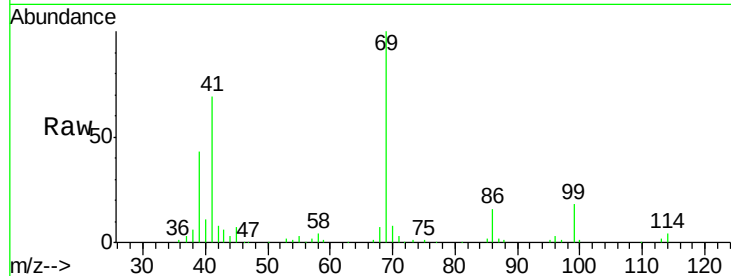
69 100

41 68.1 33.0 99.0

39 42.2 20.7 62.1

Manual Integrations
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MMDadoda
11/2/2018 9:21:22 AM



#52

1,3-Dichloropropane

Concen: 19.708 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052097.D

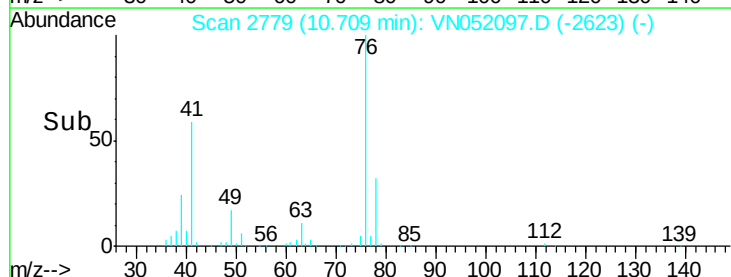
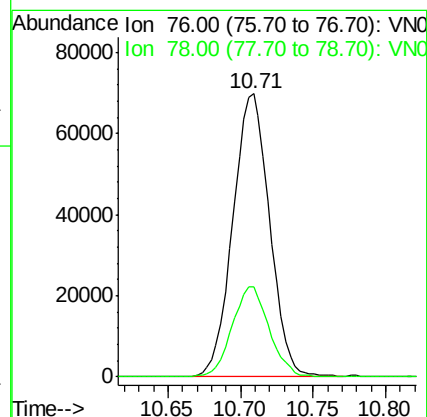
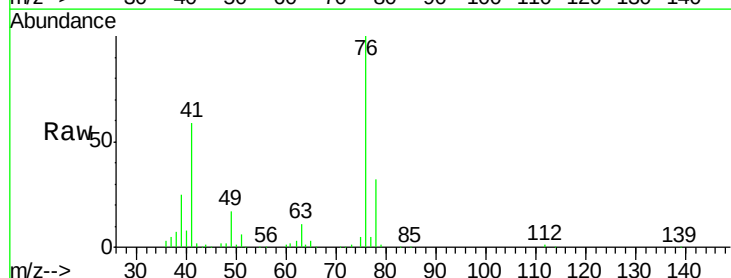
Acq: 1 Nov 2018 12:27

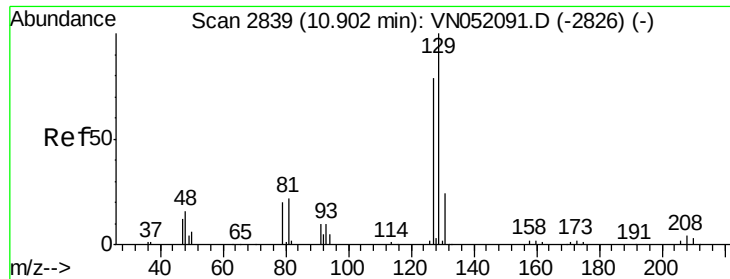
Tgt Ion: 76 Resp: 122704

Ion Ratio Lower Upper

76 100

78 32.0 0.0 65.0





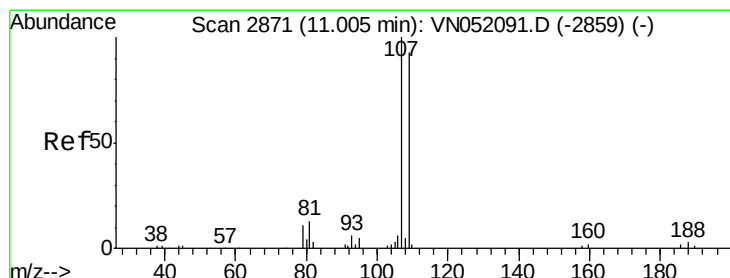
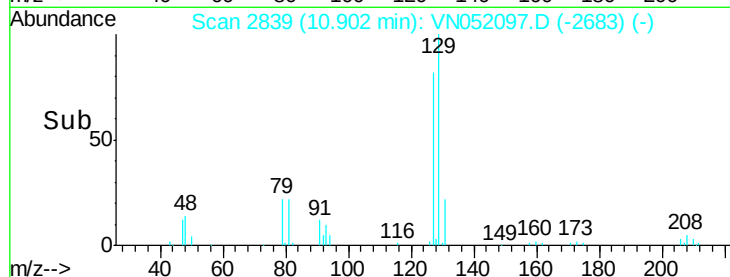
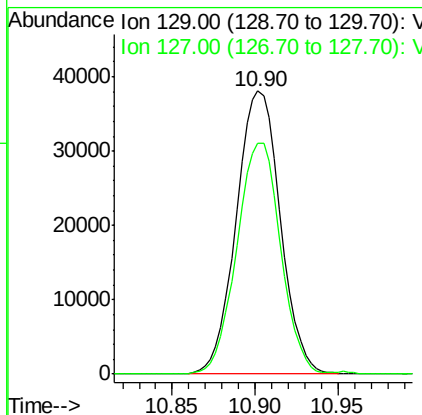
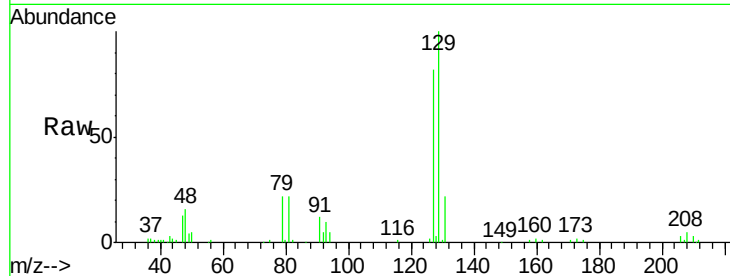
#53
Dibromochloromethane
Concen: 18.305 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:129 Resp: 70637
Ion Ratio Lower Upper
129 100
127 81.1 39.2 117.6

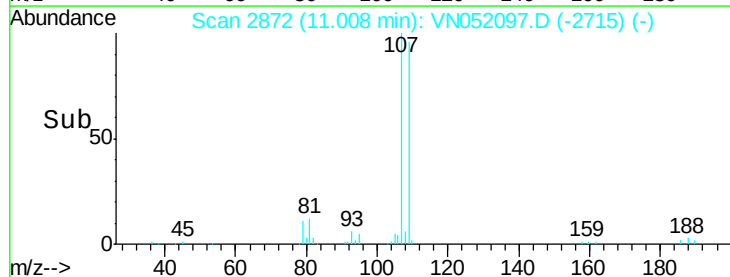
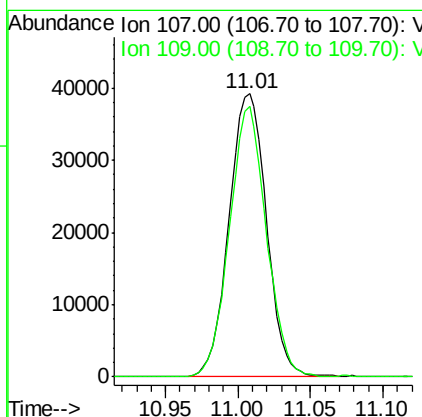
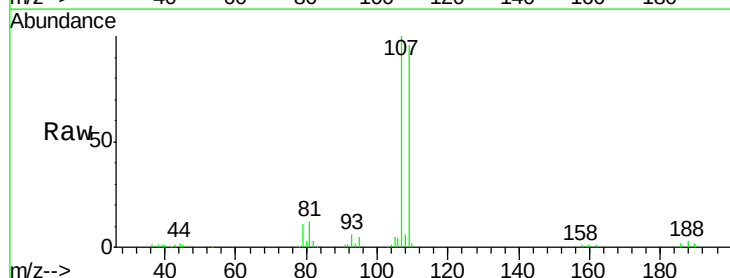
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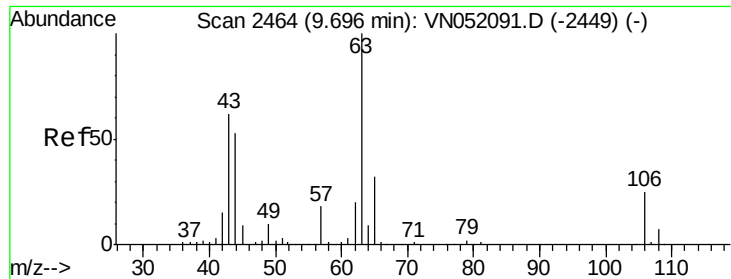
MMDadoda
11/2/2018 9:21:22 AM



#54
1,2-Dibromoethane
Concen: 19.465 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion:107 Resp: 70553
Ion Ratio Lower Upper
107 100
109 93.9 77.0 115.6





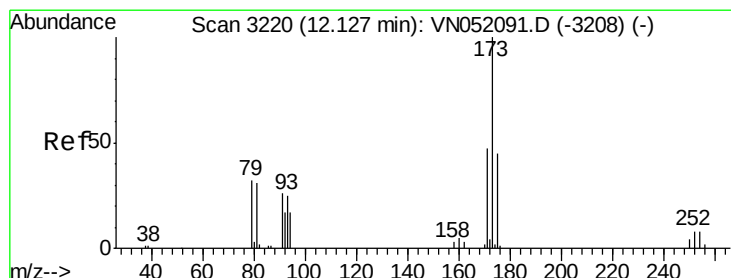
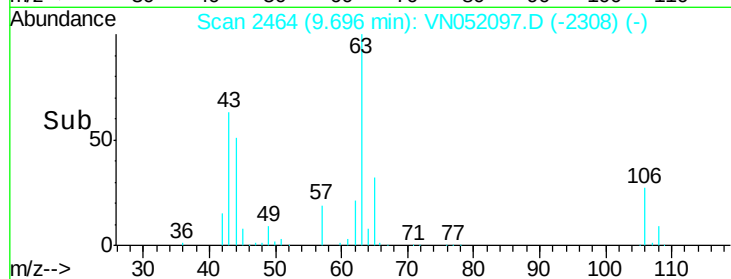
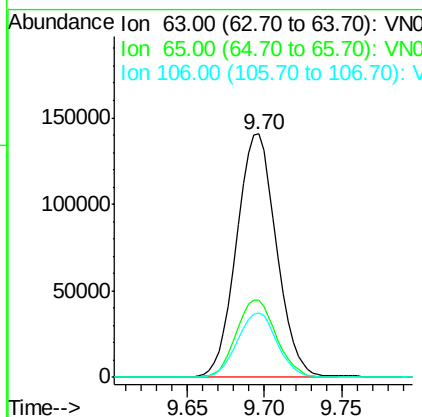
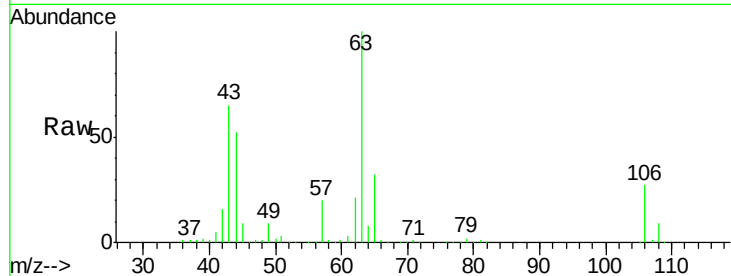
#55
 2-Chloroethyl vinyl ether
 Concen: 99.866 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion:	63	Resp:	252627
Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3
106	26.4	20.4	30.6

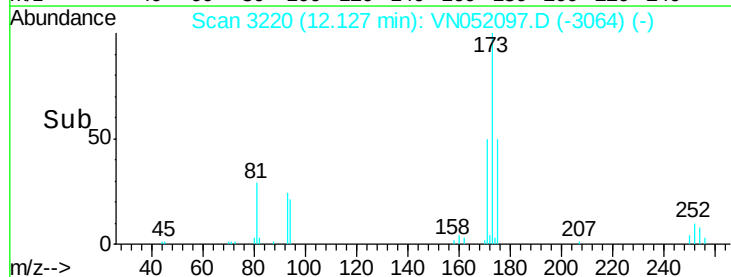
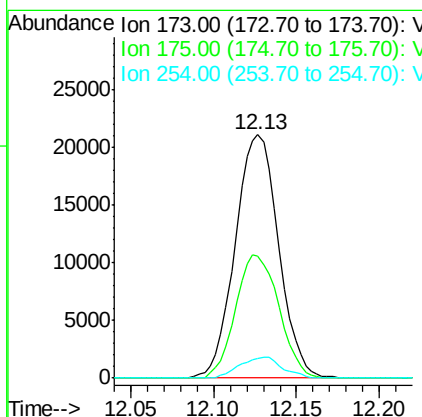
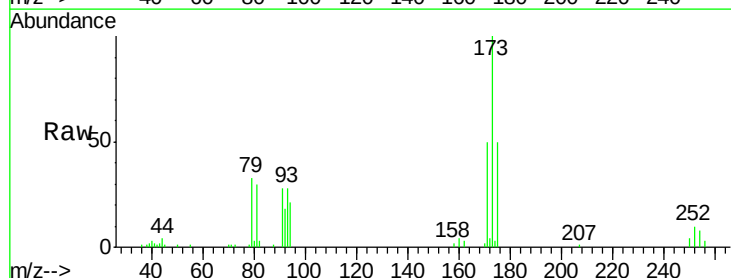
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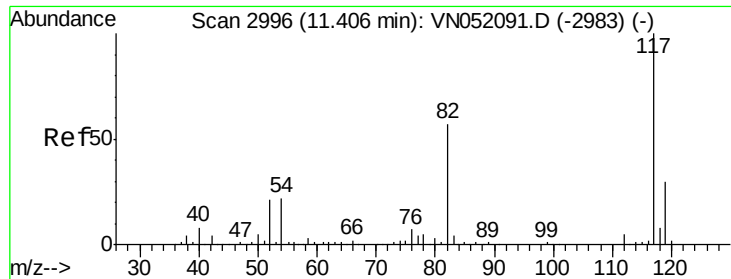
MMDadoda
 11/2/2018 9:21:22 AM



#56
 Bromoform
 Concen: 17.171 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion:	173	Resp:	38270
Ion	Ratio	Lower	Upper
173	100		
175	50.5	37.3	55.9
254	8.4	7.0	10.6





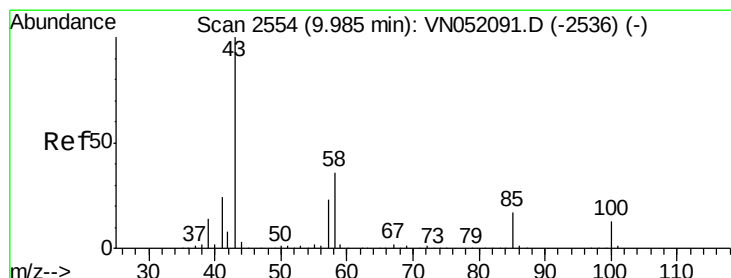
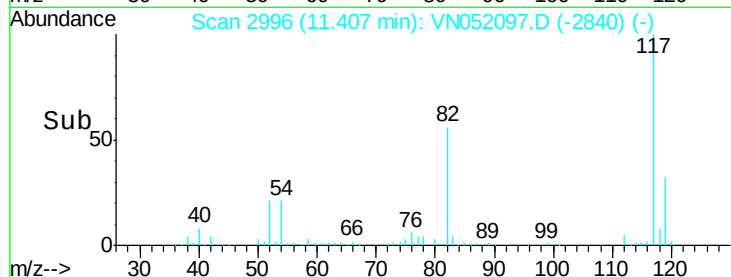
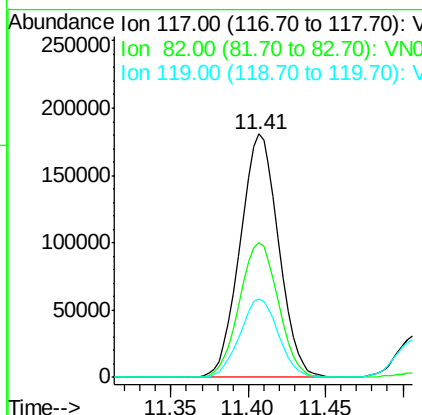
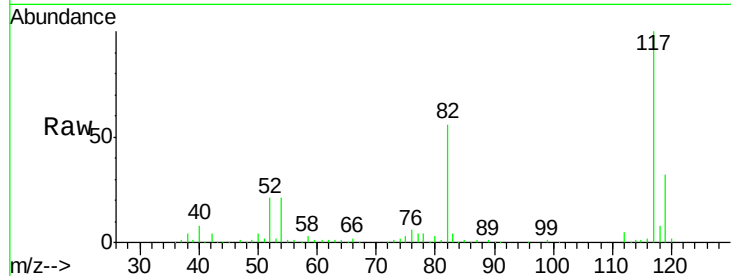
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.0	67.6
119	32.2	24.2	36.4

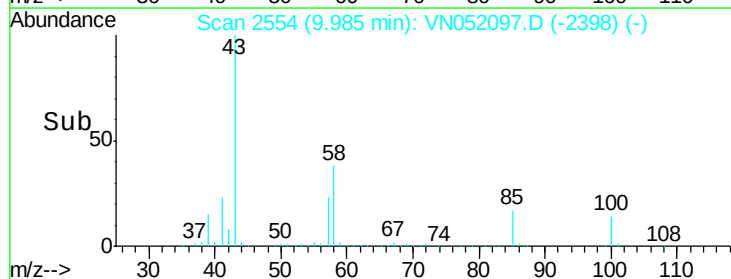
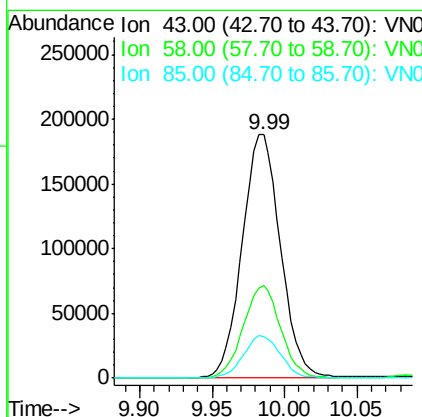
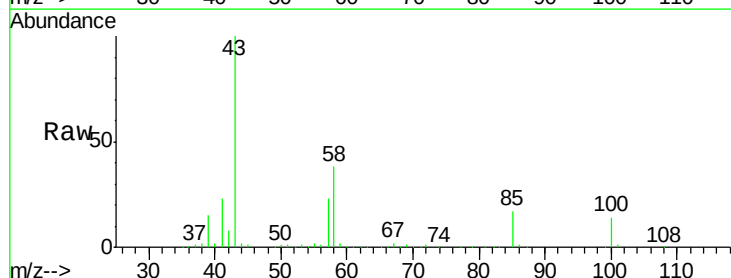
Manual Integrations
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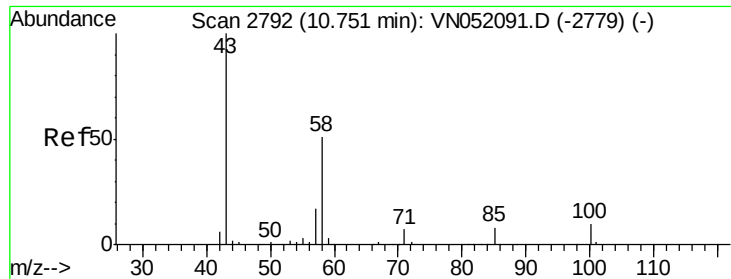
MMDadoda
11/2/2018 9:21:22 AM



#58
4-Methyl-2-Pentanone
Concen: 102.669 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.0	43.6
85	17.1	13.4	20.2





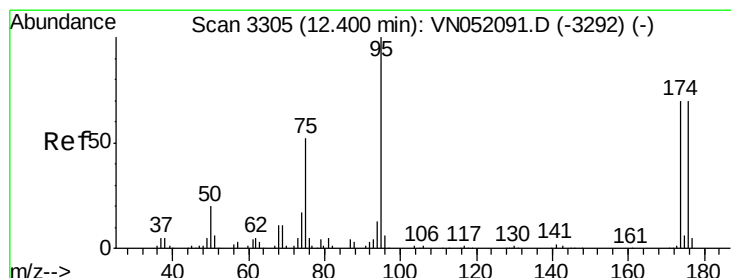
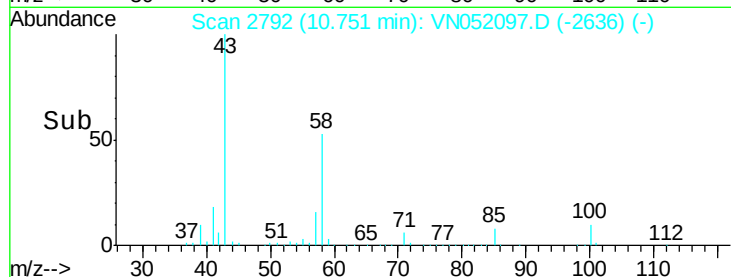
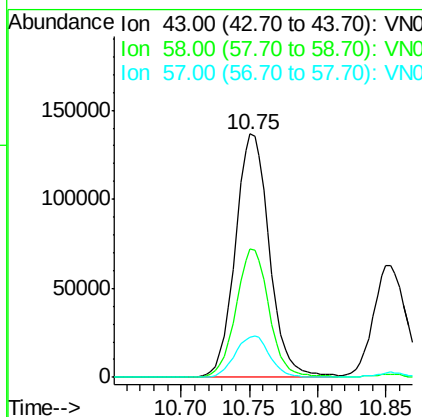
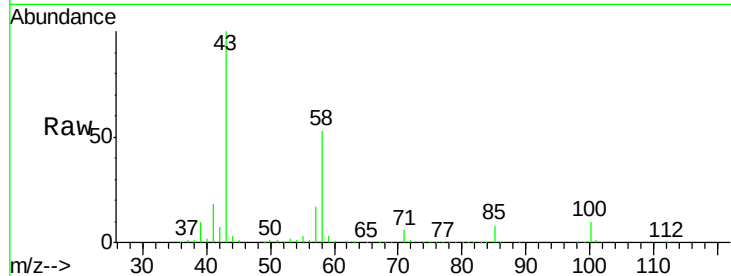
#59
2-Hexanone
Concen: 101.760 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.0	40.8	61.2
57	17.5	13.8	20.8

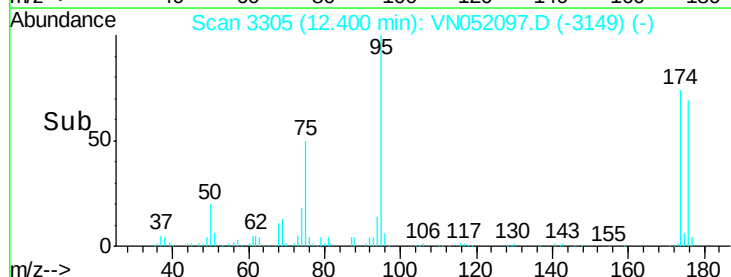
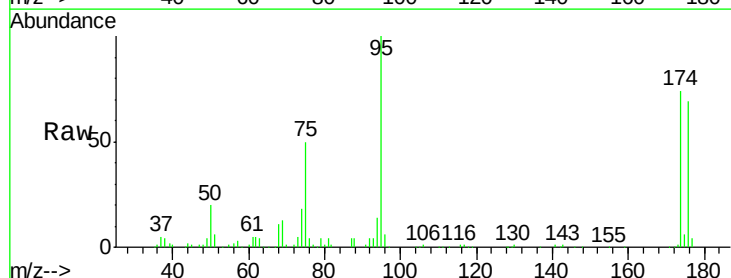
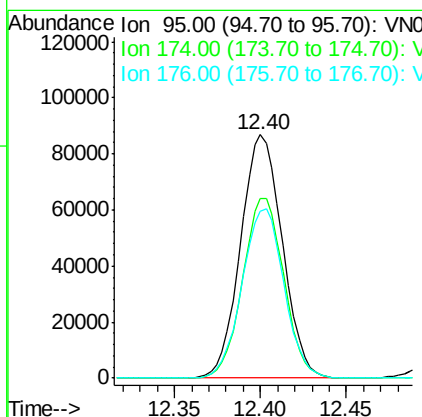
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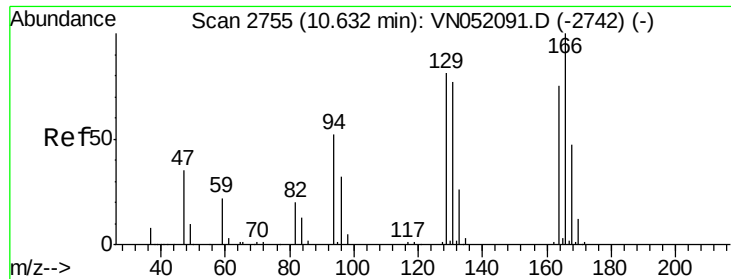
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 101.760 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.9	55.0	82.6
176	70.1	54.2	81.4





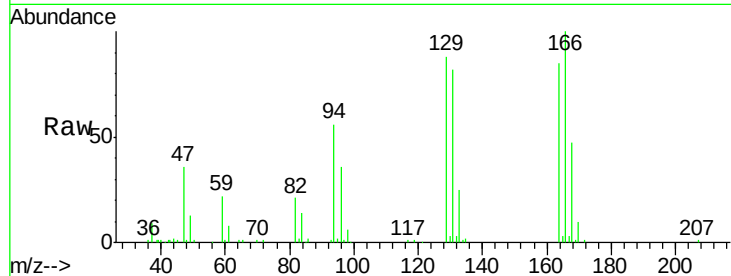
#61
Tetrachloroethene
Concen: 20.372 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.1	106.4	159.6
129	102.6	87.0	130.4
131	96.5	81.4	122.2

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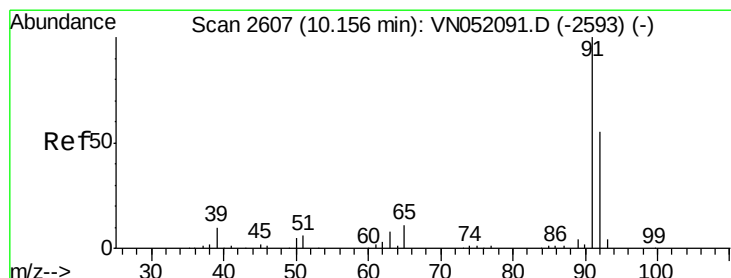
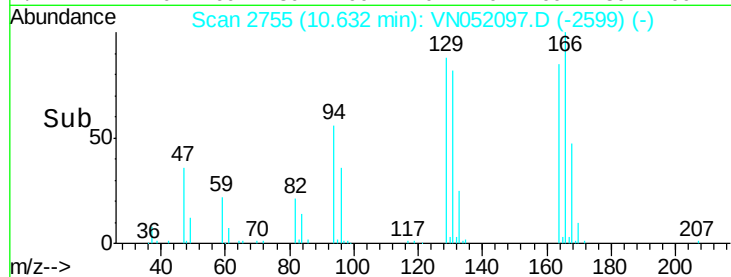
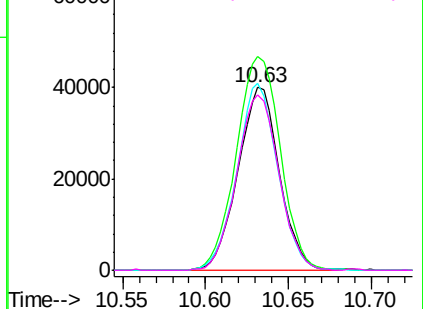


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

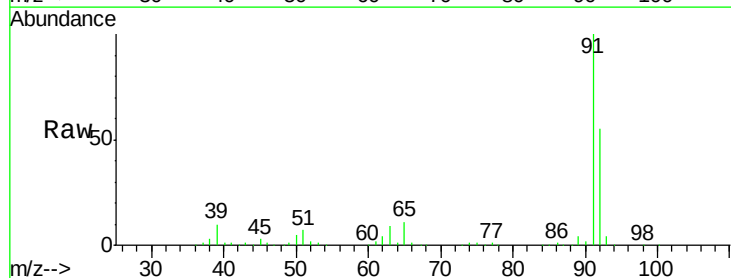
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



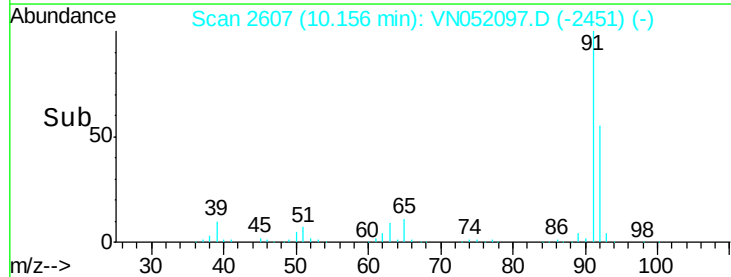
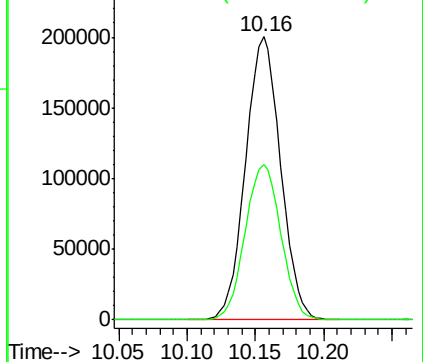
#62
Toluene
Concen: 20.349 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

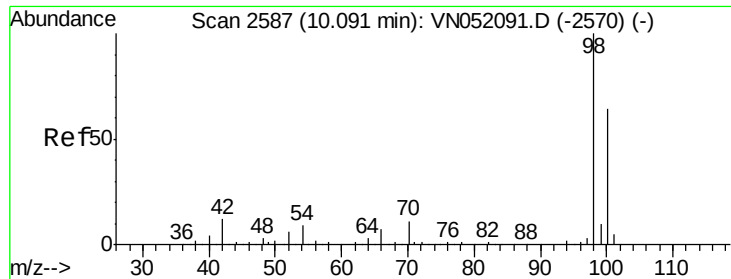
Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.2	44.6	67.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





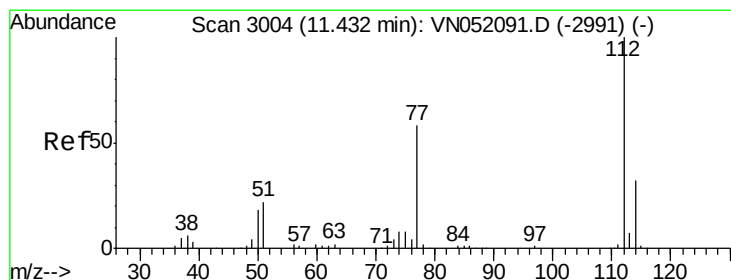
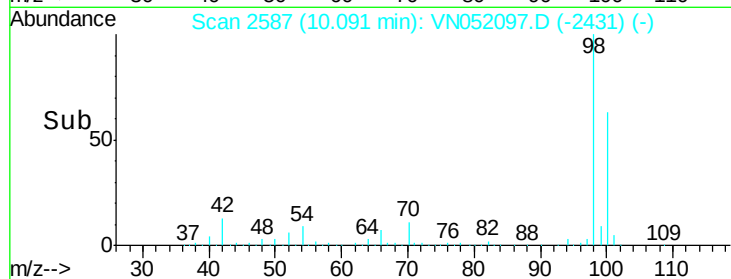
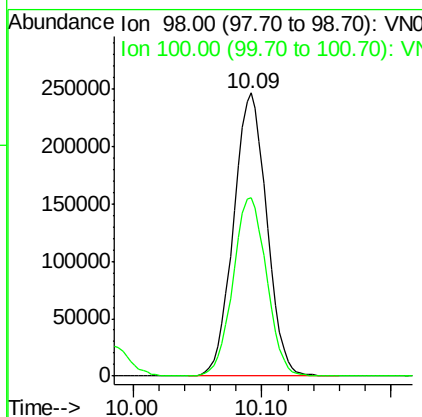
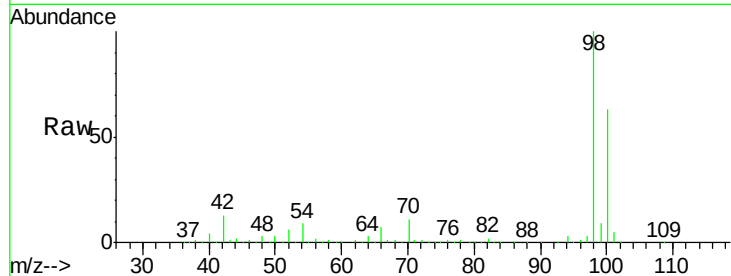
#63
Toluene-d8
Concen: 20.349 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampled :
VN1101WBS01

Tgt Ion: 98 Resp: 441379
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1

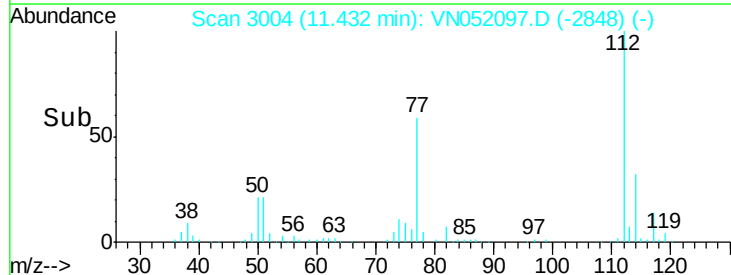
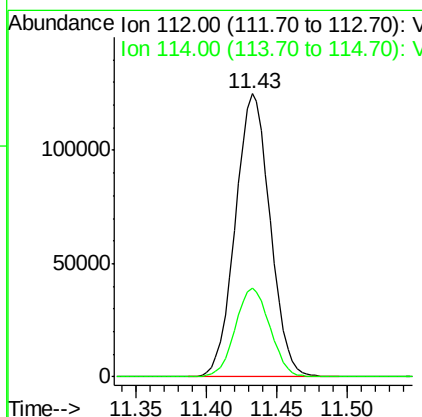
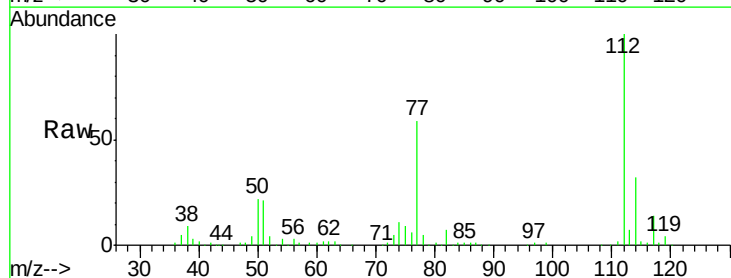
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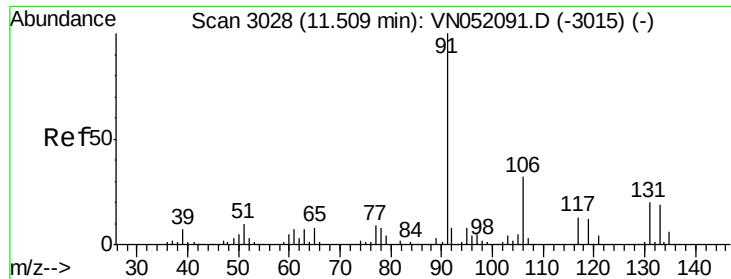
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#64
Chlorobenzene
Concen: 19.449 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion: 112 Resp: 216647
Ion Ratio Lower Upper
112 100
114 31.5 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.237 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

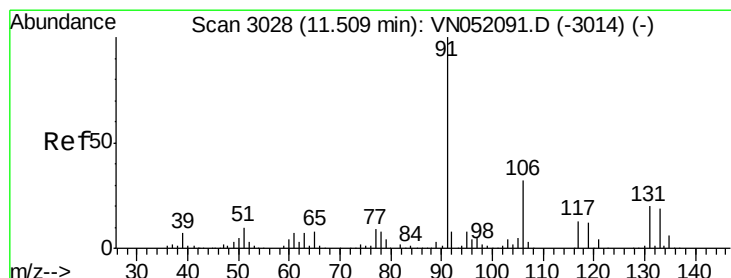
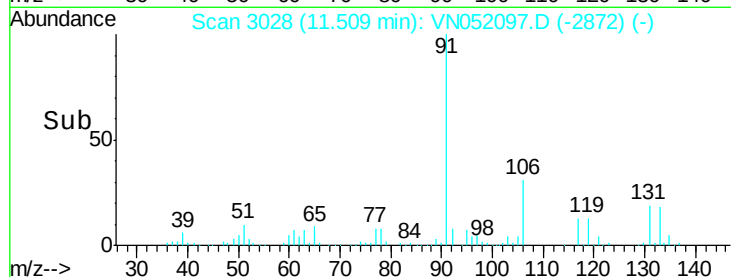
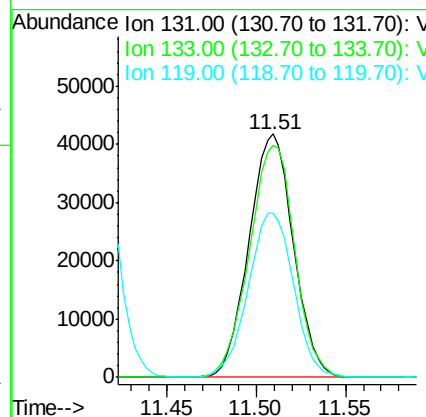
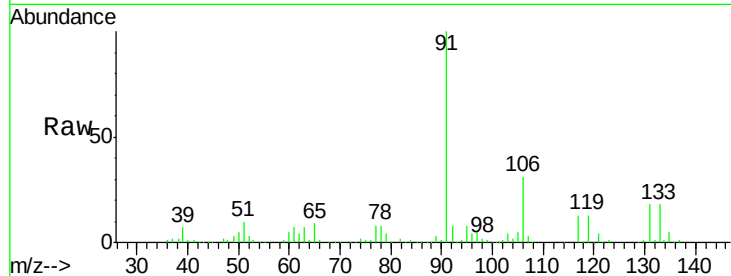
ClientSampleId :

VN1101WBS01

Tgt Ion: 131 Resp: 72934
 Ion Ratio Lower Upper
 131 100
 133 97.1 0.0 188.8
 119 69.0 0.0 131.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.034 ug/l

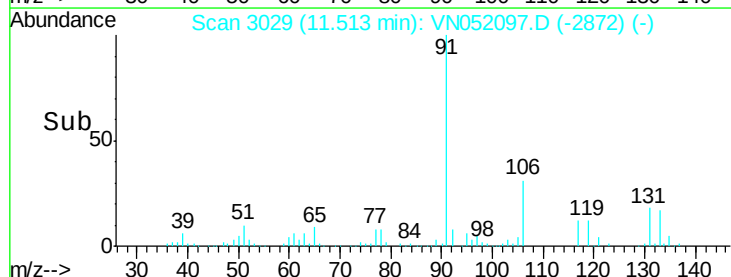
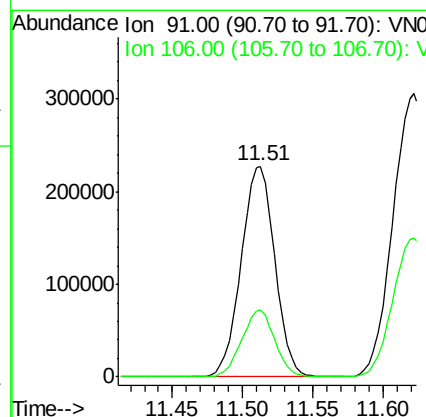
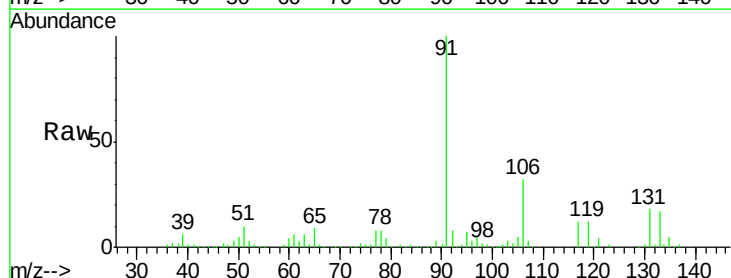
RT: 11.51 min Scan# 3029

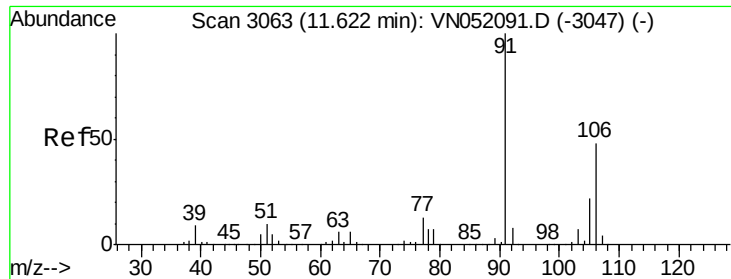
Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Tgt Ion: 91 Resp: 380348
 Ion Ratio Lower Upper
 91 100
 106 32.1 25.7 38.5





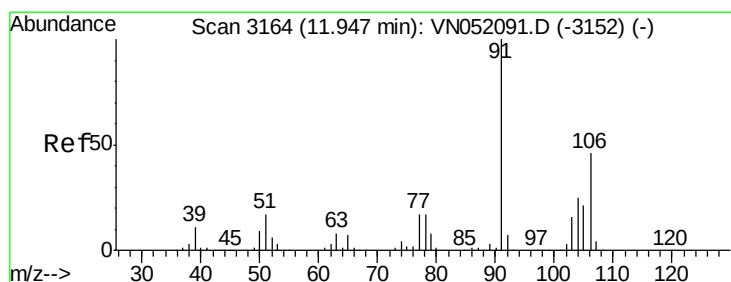
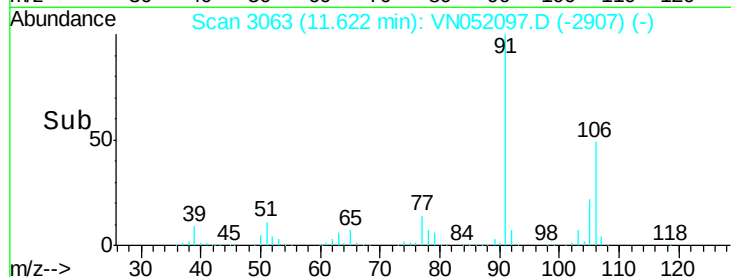
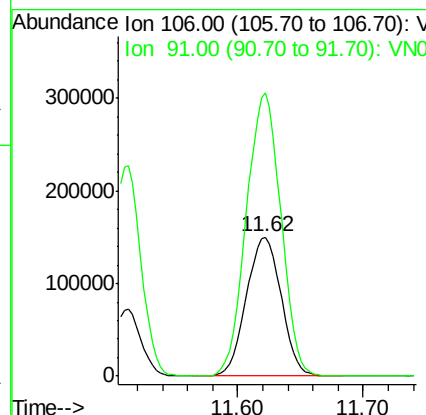
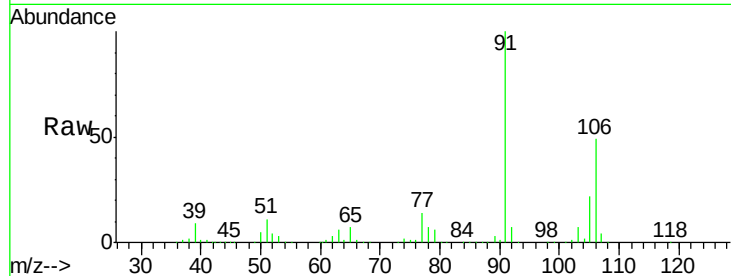
#67
m/p-Xylenes
Concen: 39.812 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:106 Resp: 290996
Ion Ratio Lower Upper
106 100
91 201.6 163.6 245.4

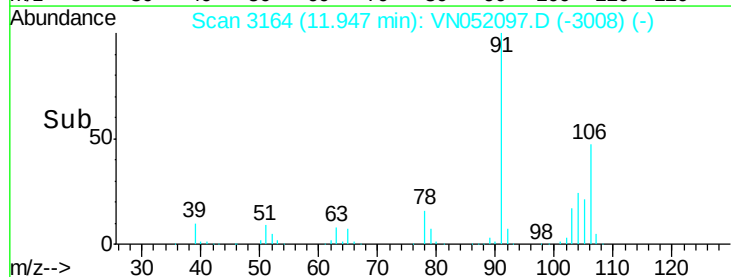
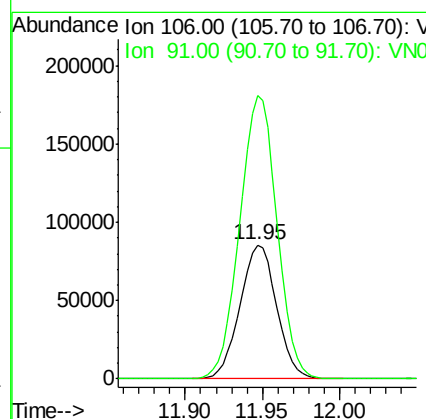
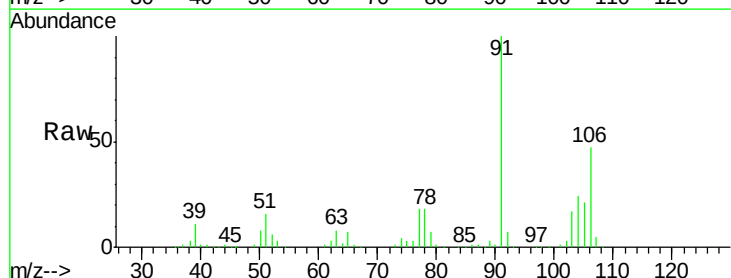
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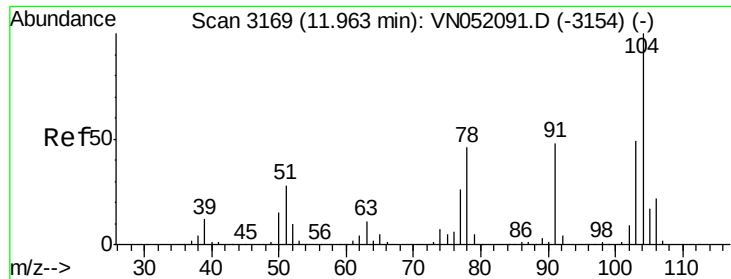
MMDadoda
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#68
o-Xylene
Concen: 20.209 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion:106 Resp: 140831
Ion Ratio Lower Upper
106 100
91 214.9 110.0 330.0





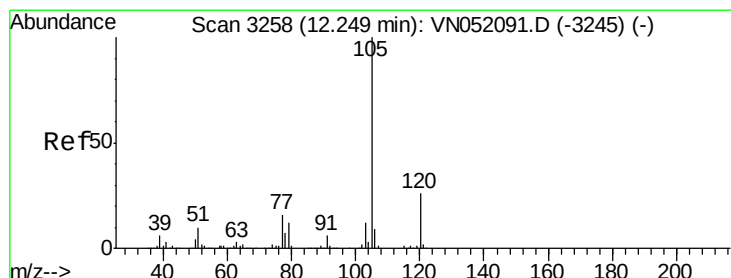
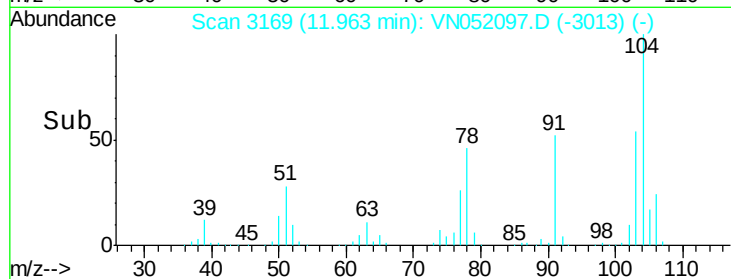
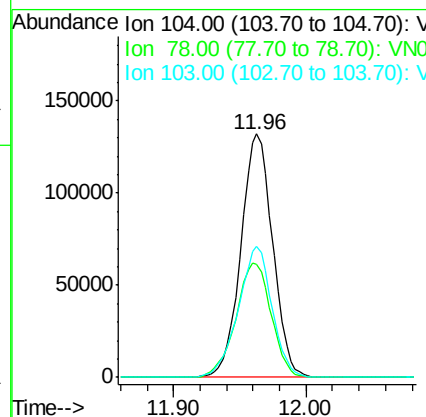
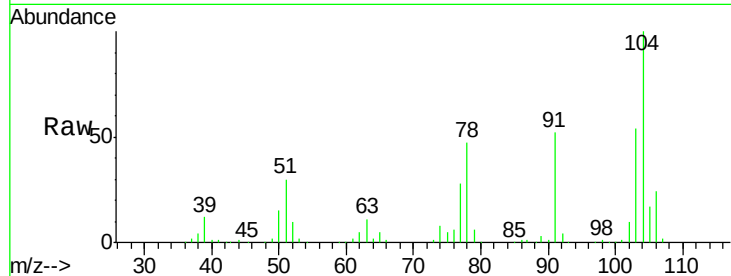
#69
Styrene
Concen: 19.592 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	220005		
78	52.2	41.3	61.9	
103	57.0	43.3	64.9	

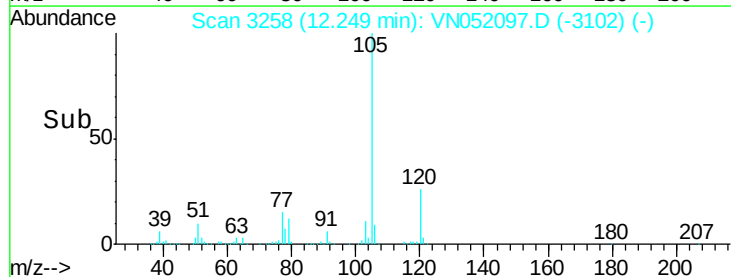
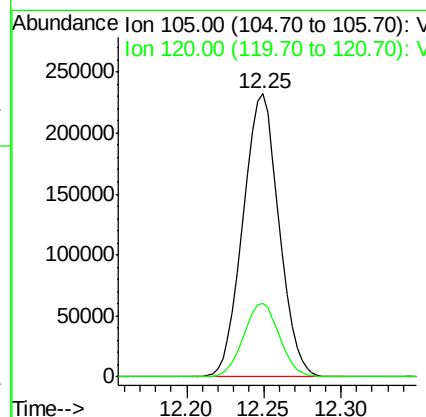
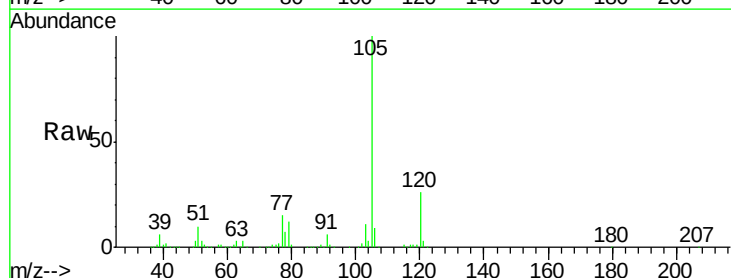
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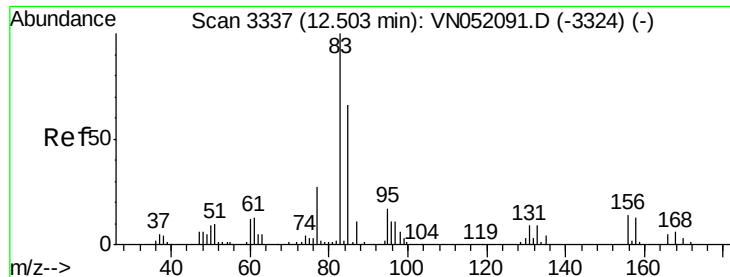
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#70
Isopropylbenzene
Concen: 20.108 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	376164		
120	25.9	18.4	34.2	





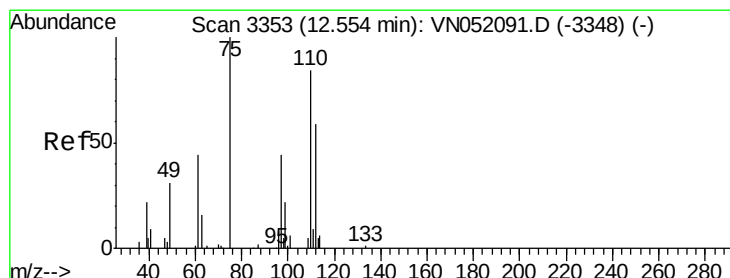
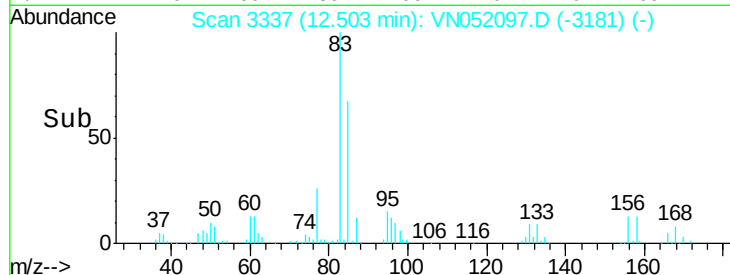
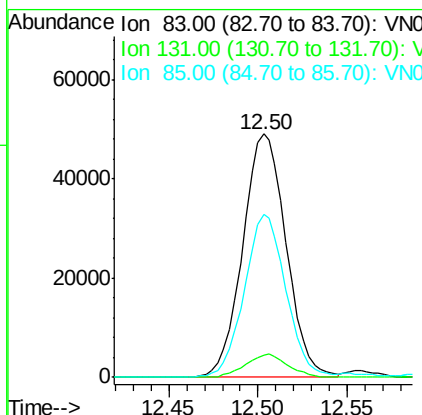
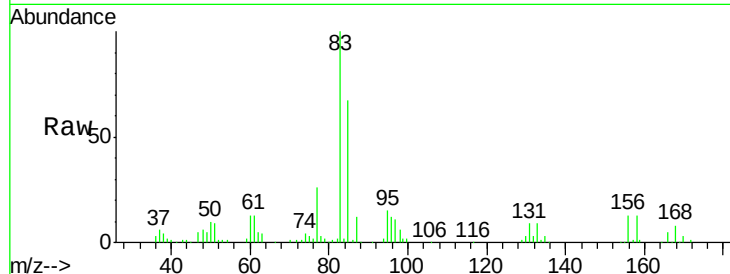
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.299 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.8	14.3
85	64.2	32.7	98.1

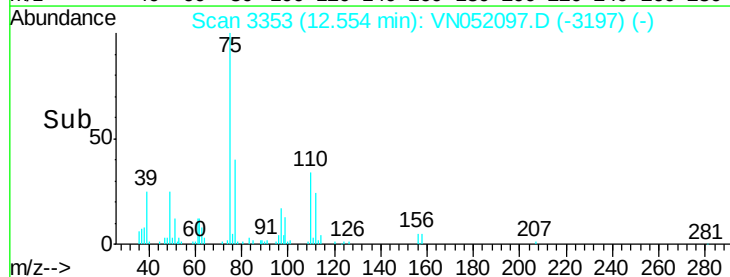
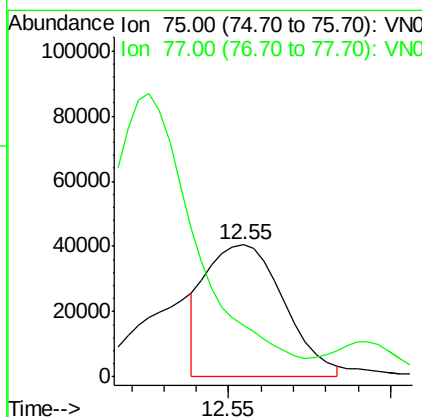
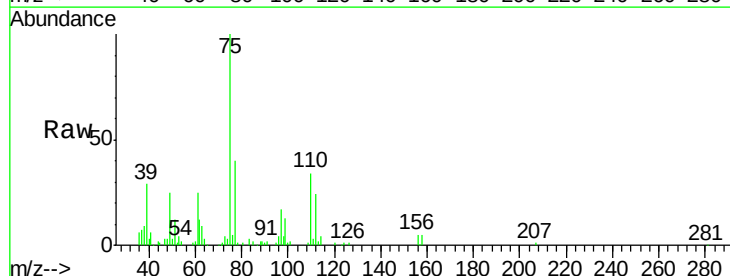
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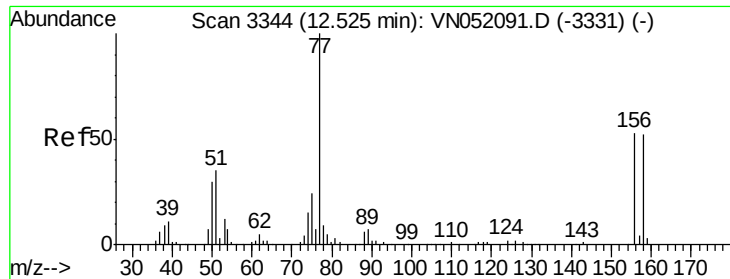
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#72
 1,2,3-Trichloropropane
 Concen: 18.713 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	249.9	0.0	481.8





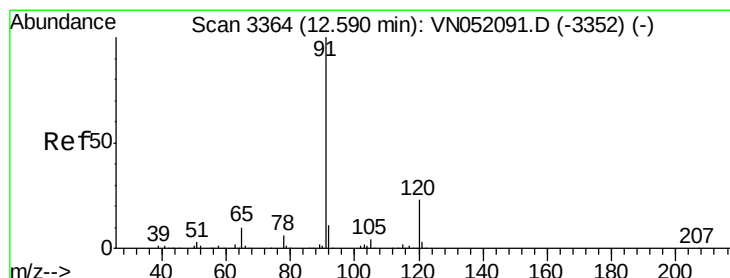
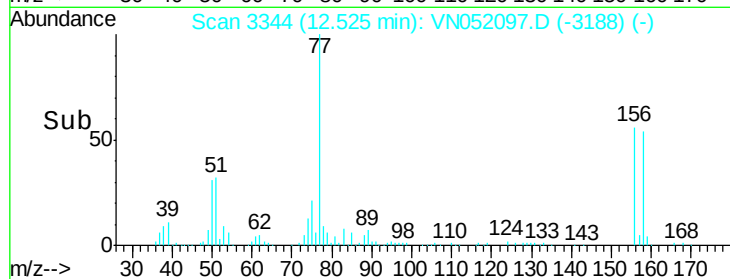
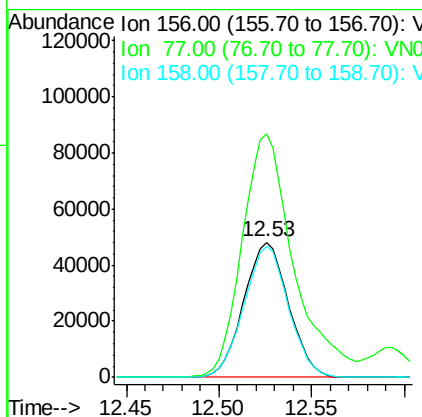
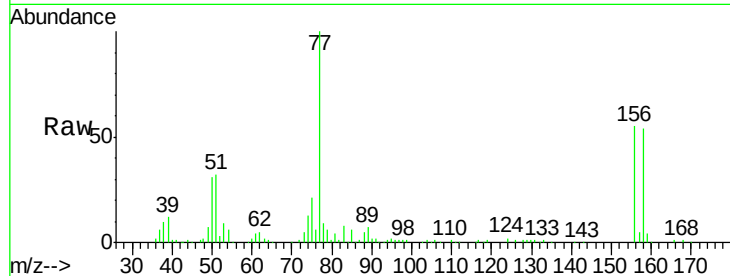
#73
Bromobenzene
Concen: 19.523 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampled :
VN1101WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	80926		
77	209.0	0.0	428.0	
158	96.8	0.0	196.8	

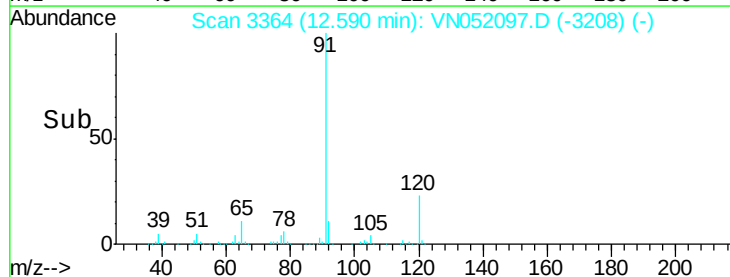
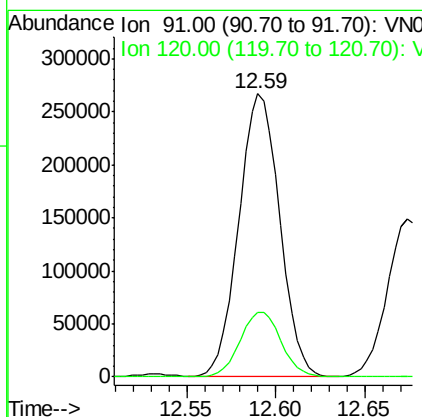
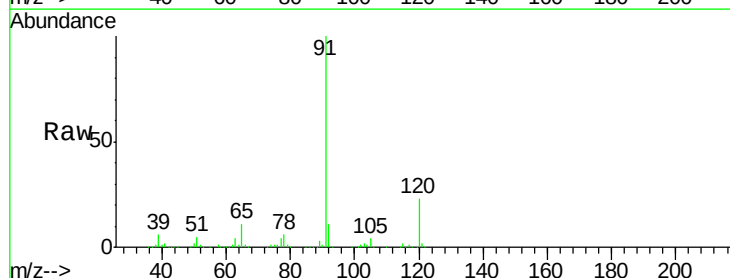
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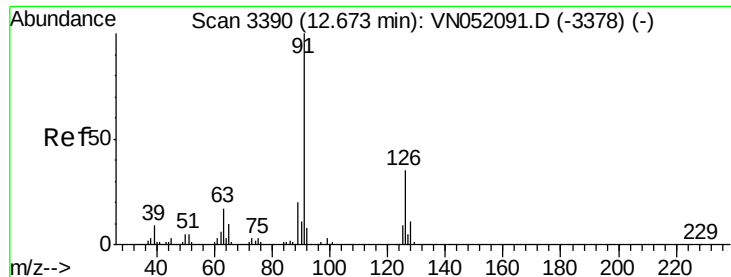
MMDadoda
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#74
n-propylbenzene
Concen: 19.563 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	426167		
120	23.1	0.0	44.8	





#75

2-Chlorotoluene

Concen: 19.754 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 91 Resp: 248098

Ion Ratio Lower Upper

91 100

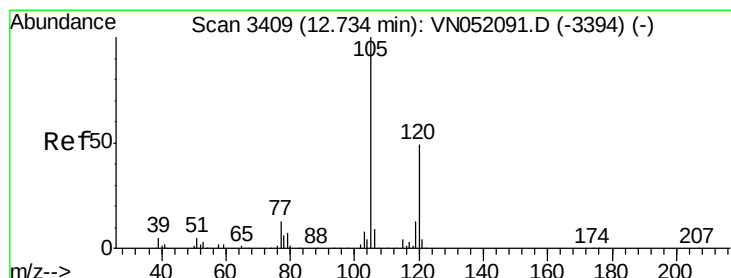
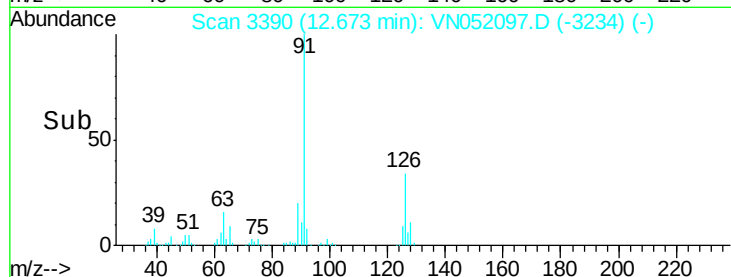
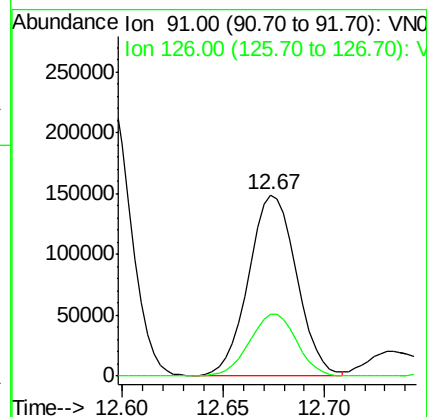
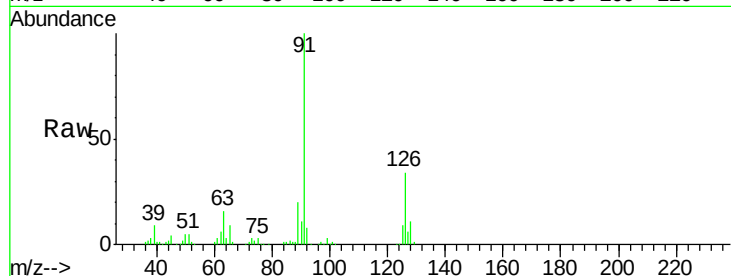
126 33.9 0.0 68.0

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#76

1,3,5-Trimethylbenzene

Concen: 19.965 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052097.D

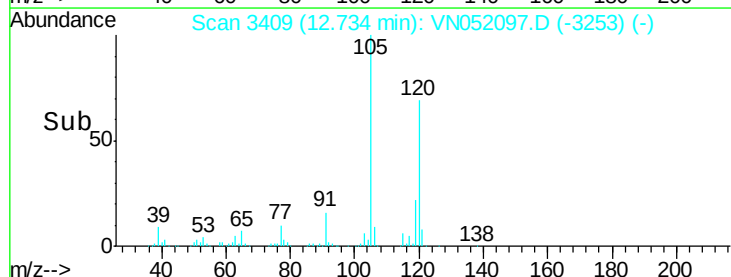
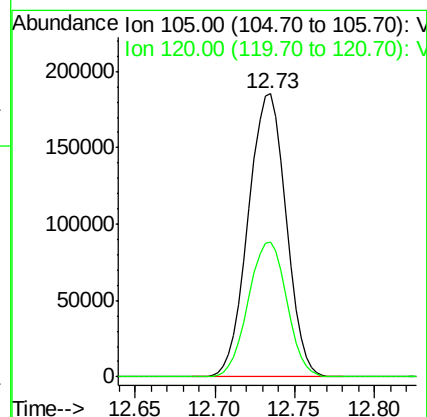
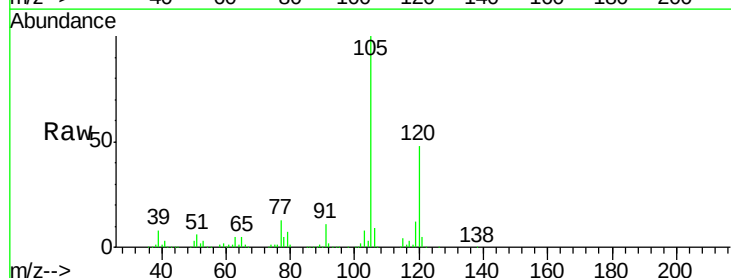
Acq: 1 Nov 2018 12:27

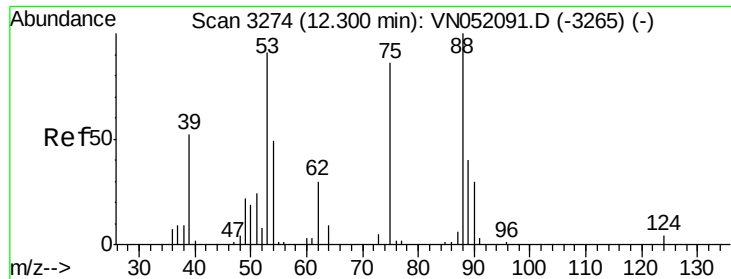
Tgt Ion: 105 Resp: 299493

Ion Ratio Lower Upper

105 100

120 48.3 0.0 95.8





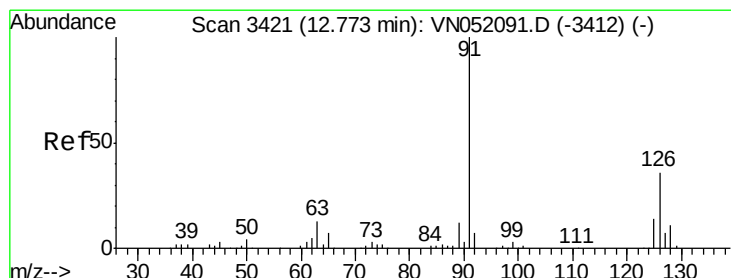
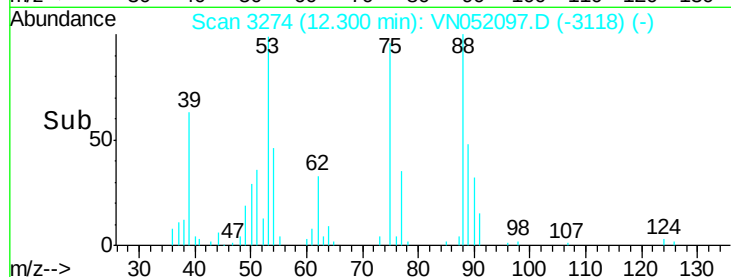
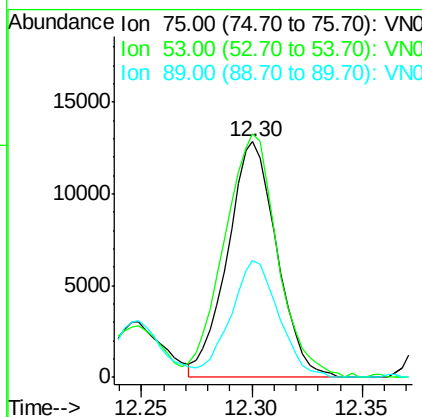
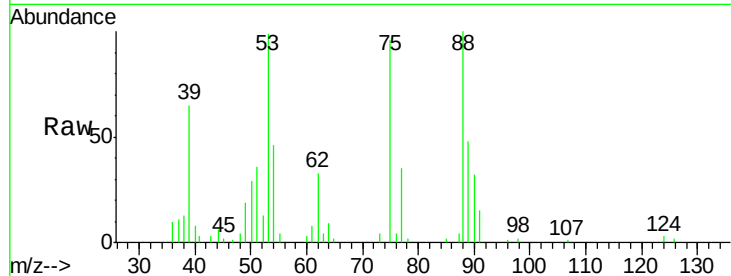
#77
t-1,4-Dichloro-2-butene
Concen: 17.601 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 75 Resp: 19925
Ion Ratio Lower Upper
75 100
53 101.5 50.7 152.1
89 49.8 23.8 71.5

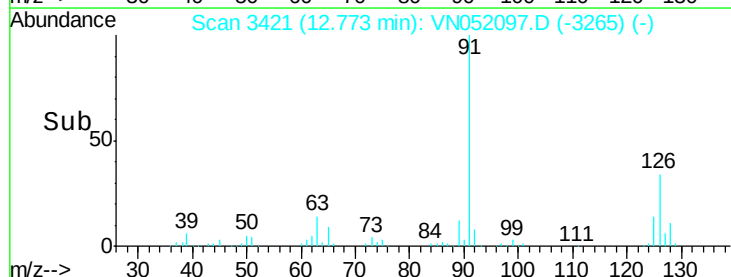
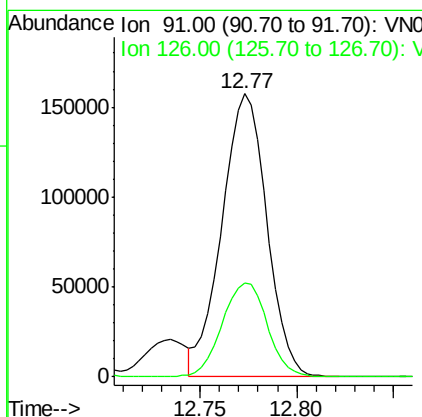
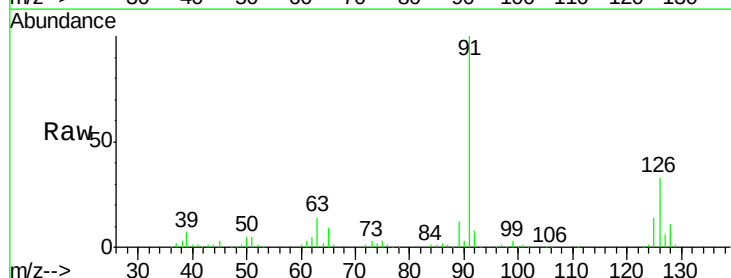
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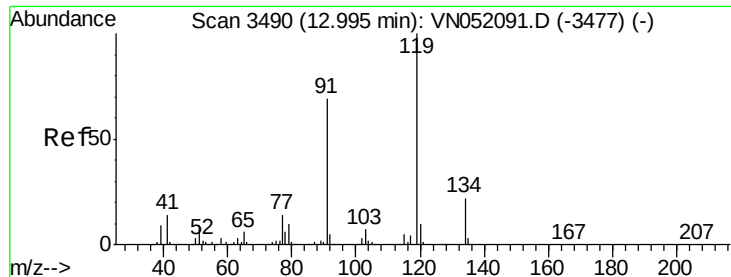
MMDadoda
11/2/2018 9:21:22 AM



#78
4-Chlorotoluene
Concen: 20.000 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion: 91 Resp: 252956
Ion Ratio Lower Upper
91 100
126 33.7 0.0 68.0





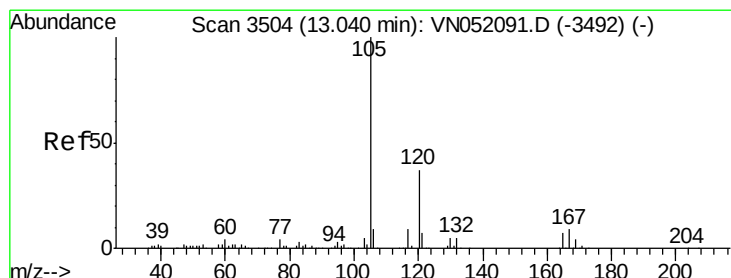
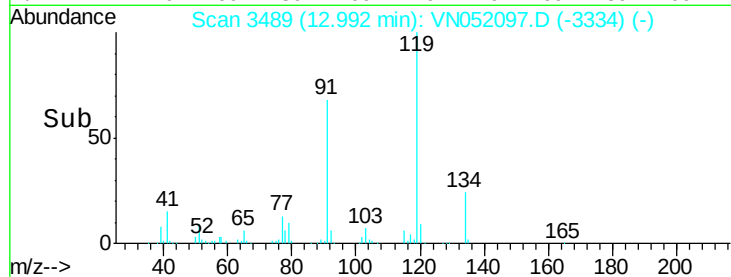
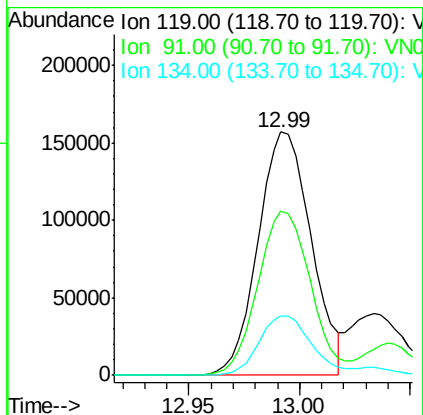
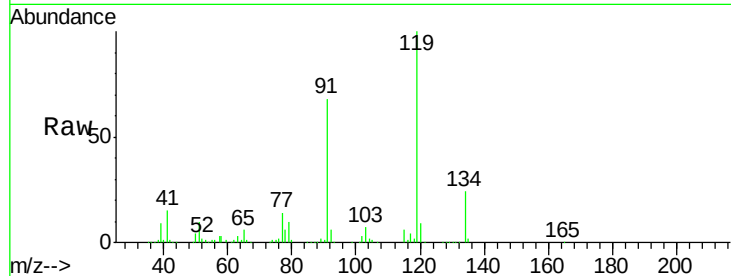
#79
tert-butylbenzene
Concen: 20.054 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	262049		
91	66.7	0.0	131.2	
134	24.1	0.0	45.8	

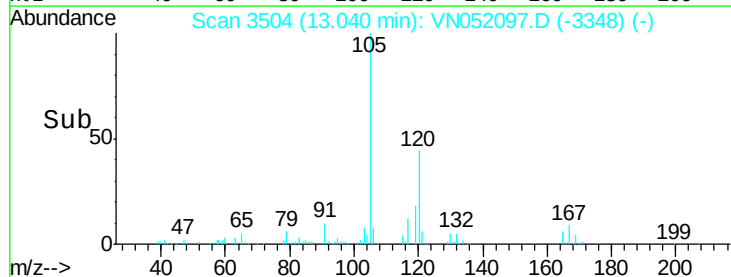
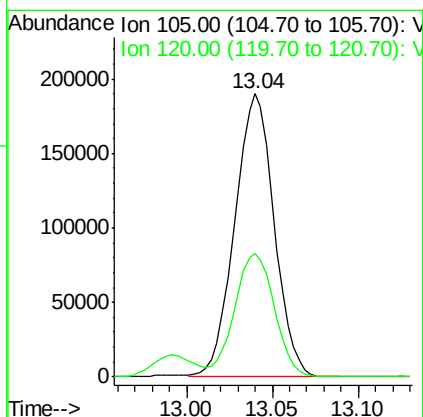
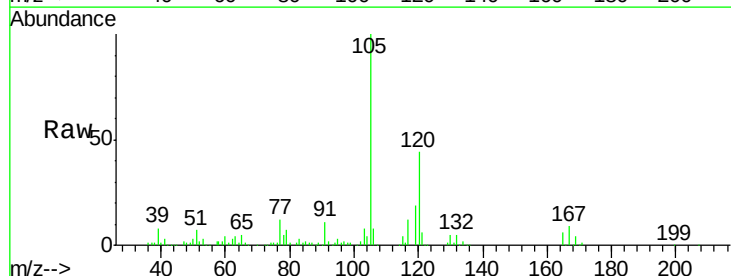
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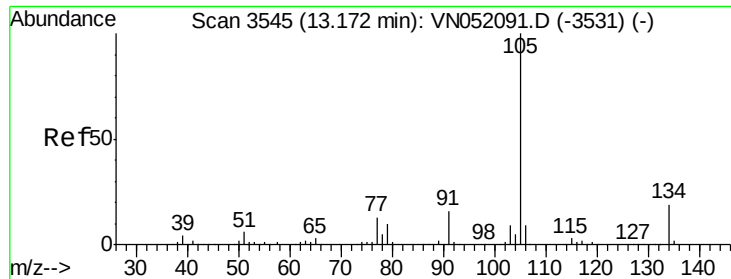
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11/2/2018 9:21:22 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.265 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	302837		
120	44.1	0.0	89.4	





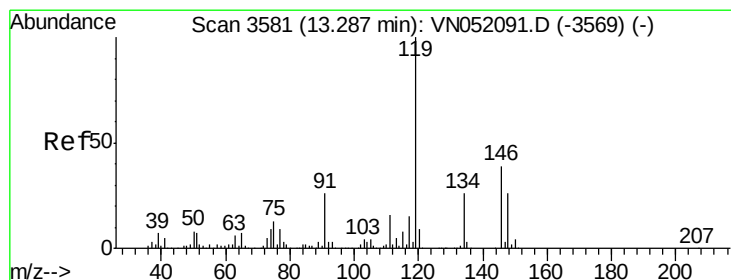
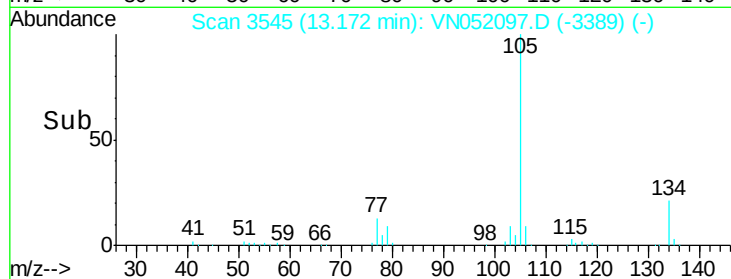
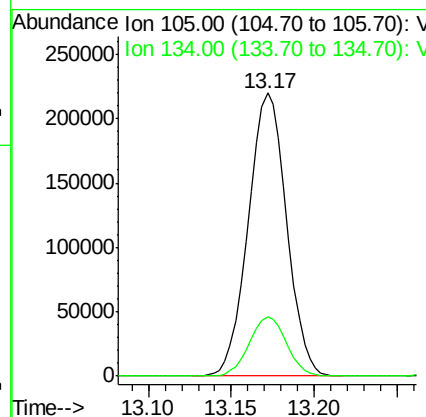
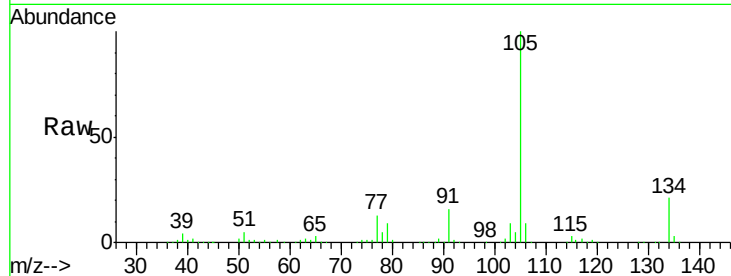
#81
 sec-Butylbenzene
 Concen: 19.577 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN1101WBS01

Tgt Ion:105 Resp: 352054
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 38.6

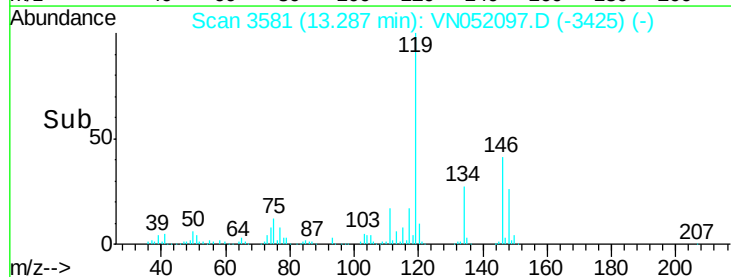
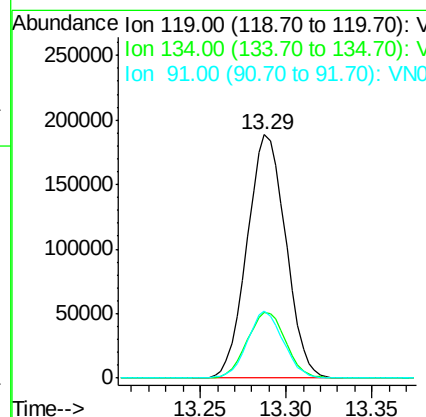
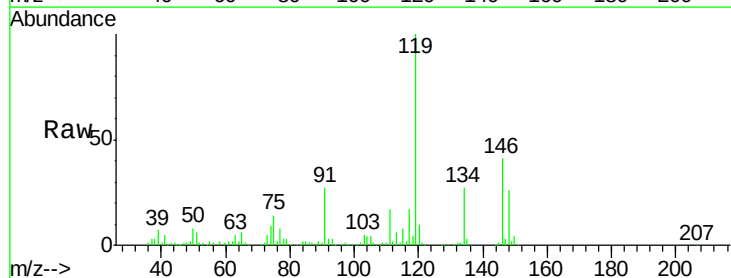
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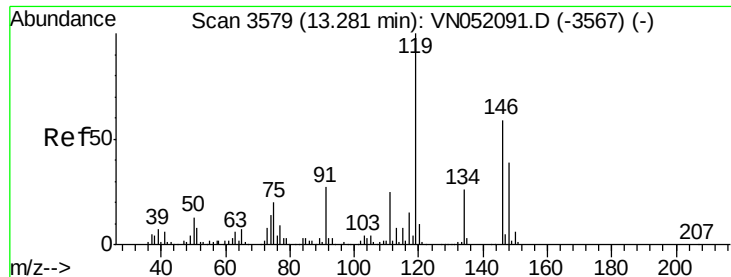
MMDadoda
 11/2/2018 9:21:22 AM



#82
 p-Isopropyltoluene
 Concen: 19.415 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion:119 Resp: 295048
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 52.0
 91 25.5 0.0 50.8





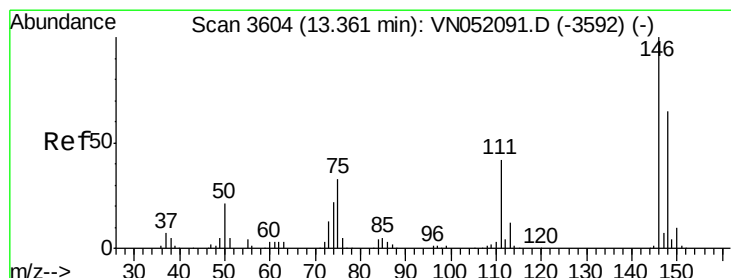
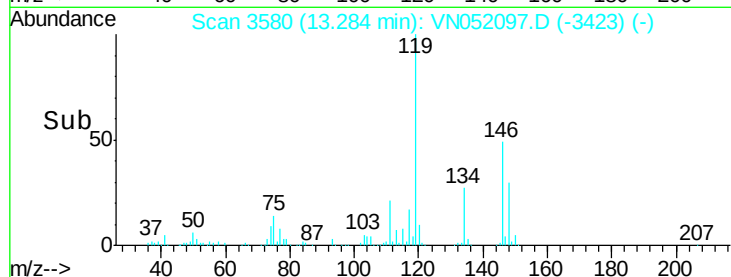
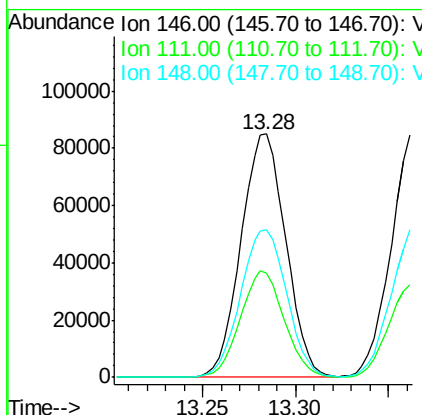
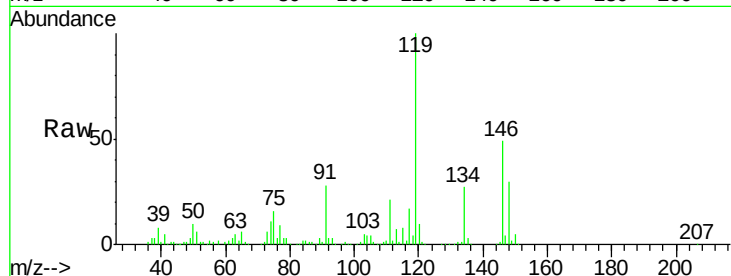
#83
1,3-Dichlorobenzene
Concen: 19.387 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampled :
VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.0	63.0
148	62.6	33.4	100.2

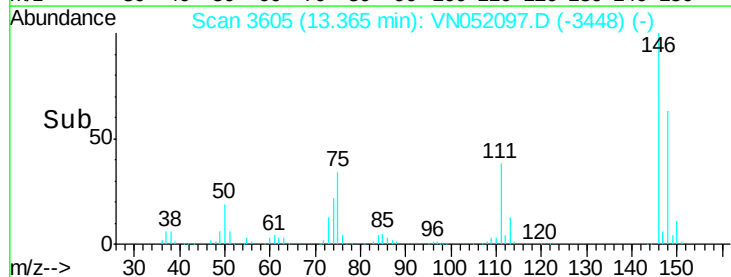
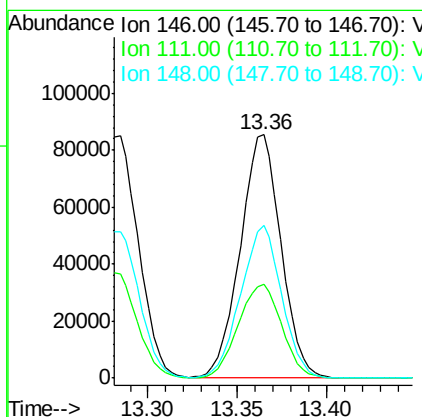
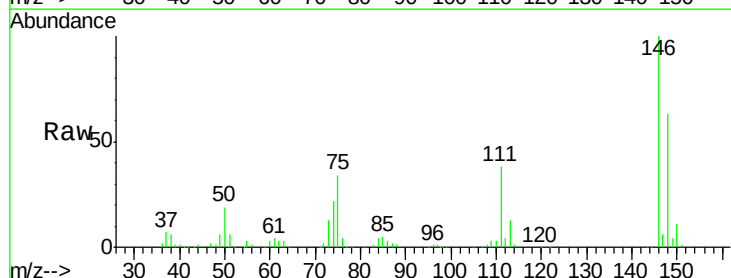
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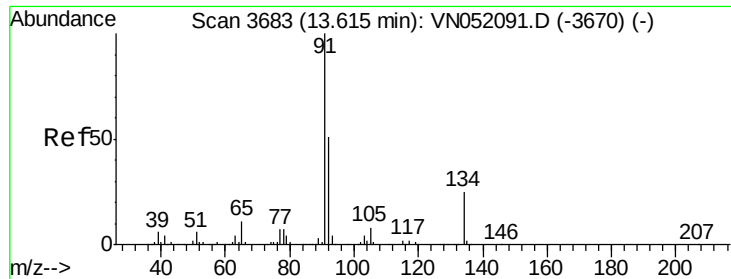
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#84
1,4-Dichlorobenzene
Concen: 18.916 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.4	64.2
148	62.8	32.6	98.0





#85

n-Butylbenzene

Concen: 19.839 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

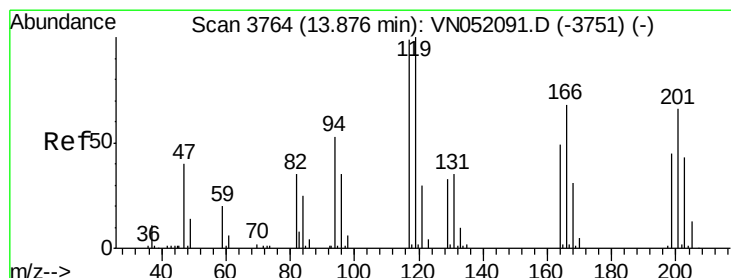
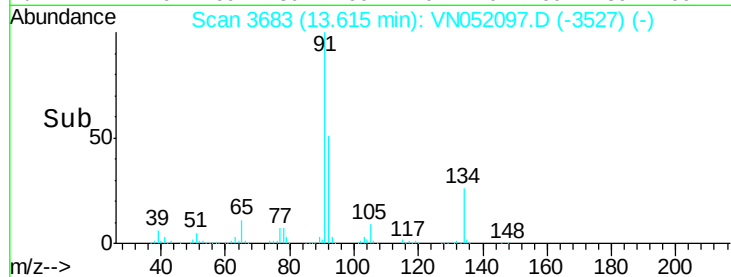
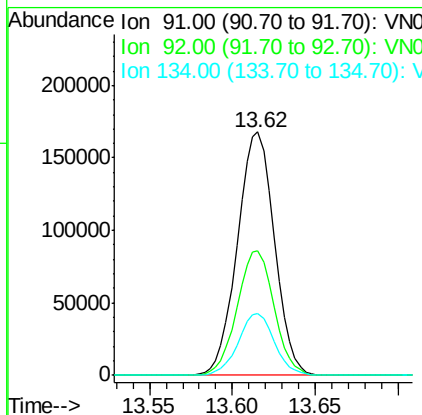
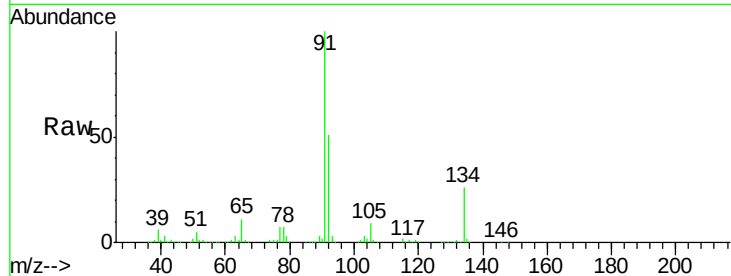
ClientSampleId :

VN1101WBS01

Tgt Ion:	91	Resp:	260943
Ion	Ratio	Lower	Upper
91	100		
92	51.0	0.0	102.8
134	24.8	0.0	49.2

Manual Integrations
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#86

Hexachloroethane

Concen: 17.772 ug/l

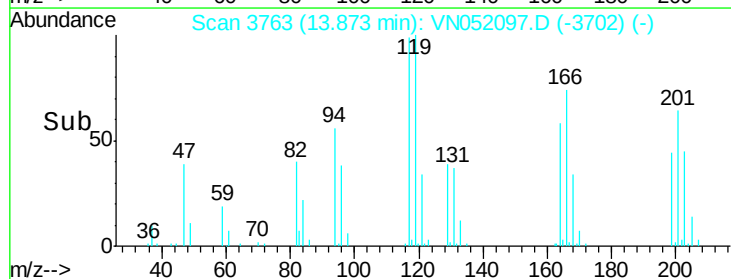
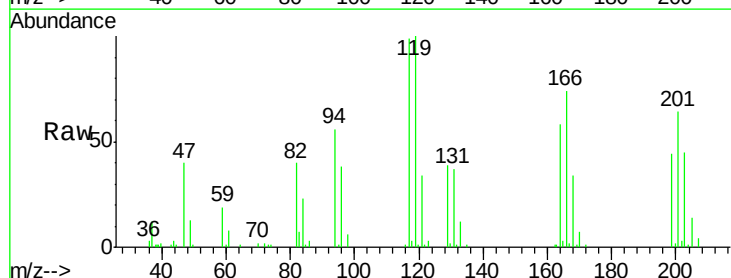
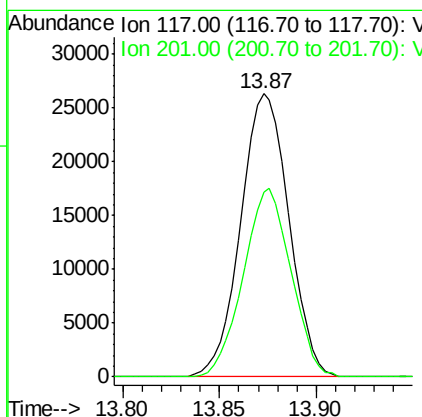
RT: 13.87 min Scan# 3763

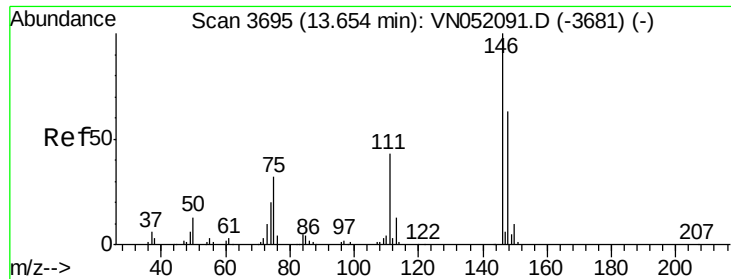
Delta R.T. -0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Tgt Ion:	117	Resp:	45576
Ion	Ratio	Lower	Upper
117	100		
201	65.9	32.2	96.6





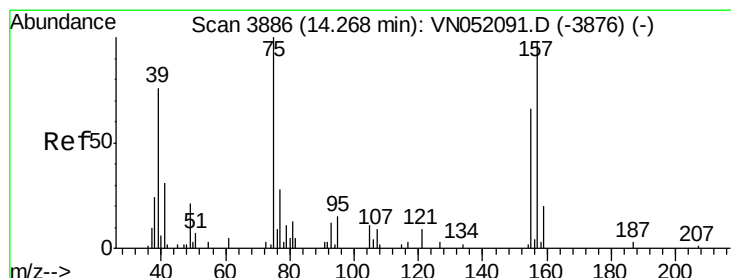
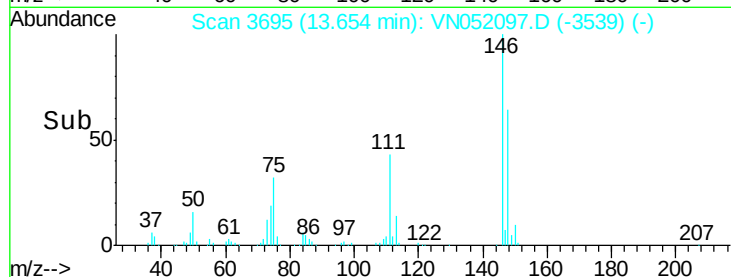
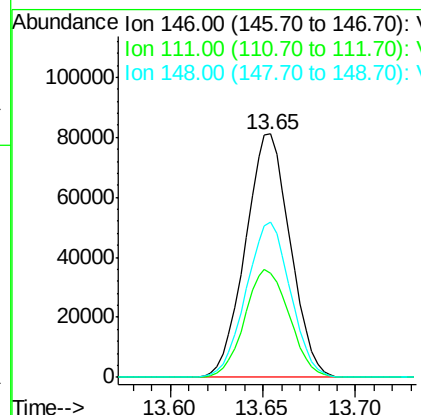
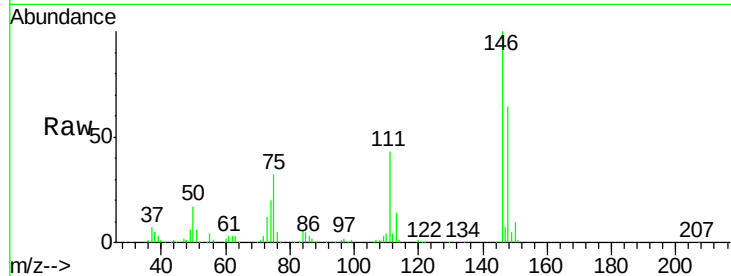
#87
 1,2-Dichlorobenzene
 Concen: 19.555 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	136225		
111	44.0	22.4	67.0	
148	63.1	32.5	97.4	

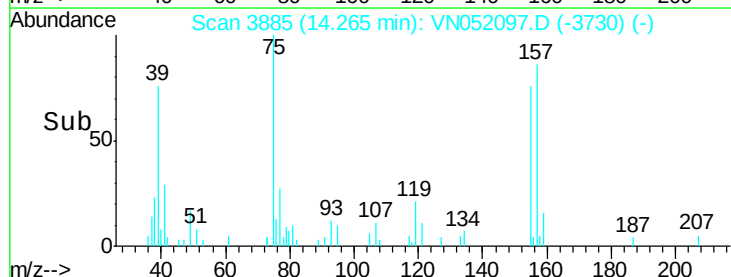
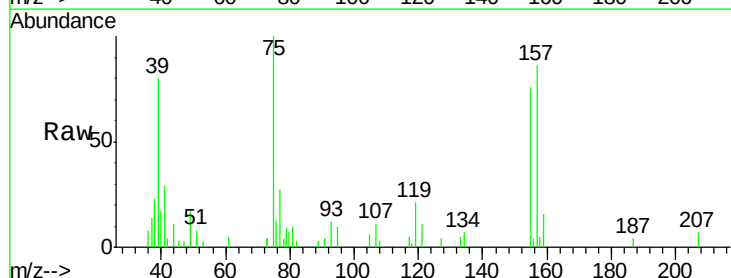
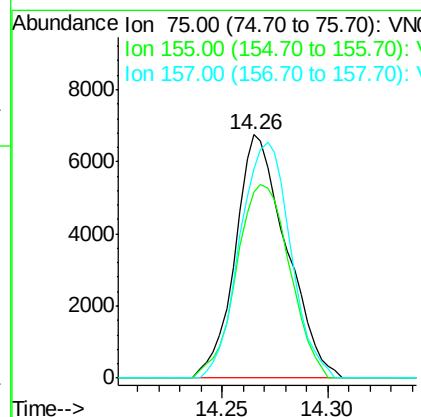
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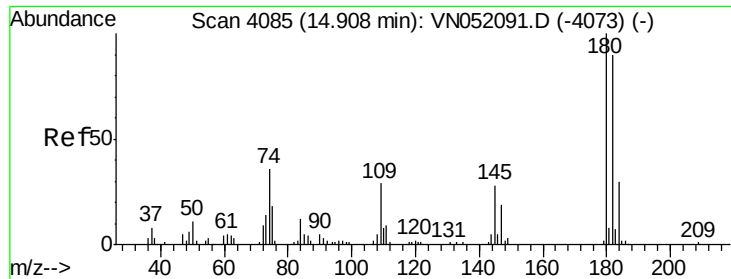
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 11/2/2018 9:21:22 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.156 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11341		
155	83.0	56.7	85.1	
157	96.0	80.4	120.6	





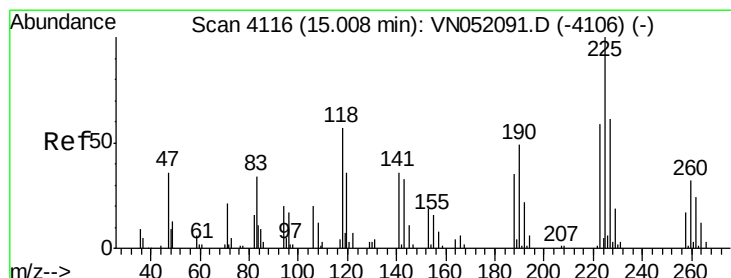
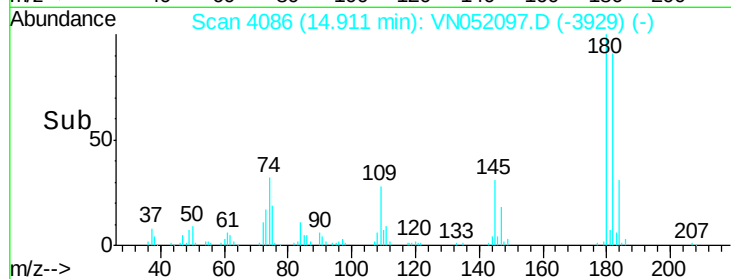
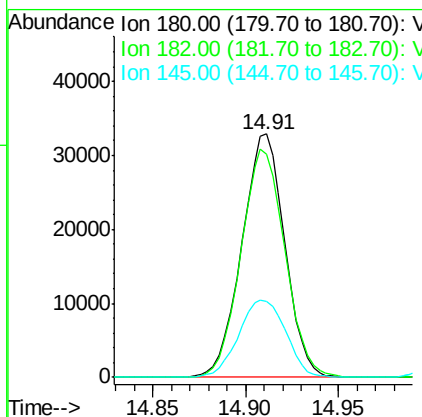
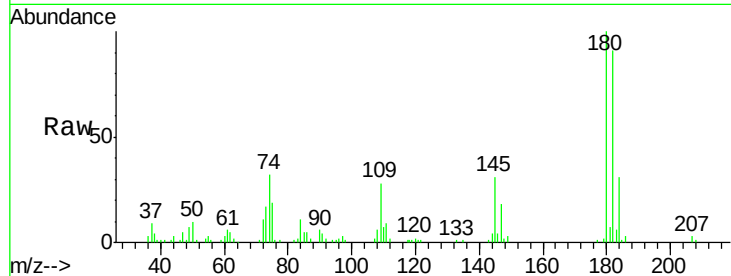
#89
 1,2,4-Trichlorobenzene
 Concen: 18.698 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	74.0	111.0
145	35.0	24.6	36.8

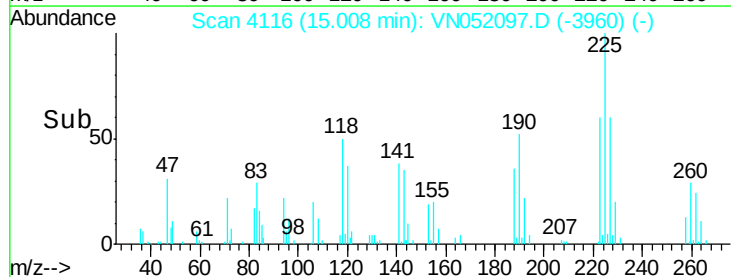
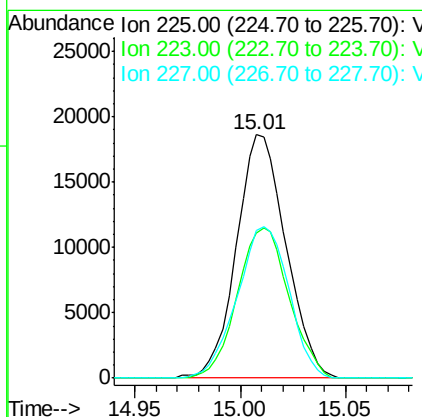
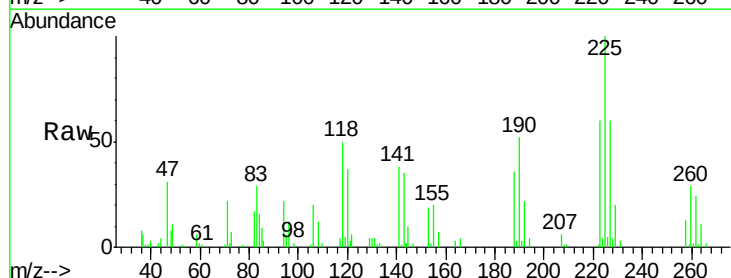
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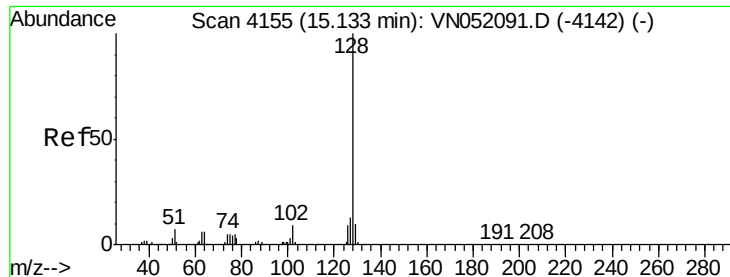
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 11/2/2018 9:21:22 AM



#90
 Hexachlorobutadiene
 Concen: 19.597 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	0.0	121.2
227	65.3	0.0	127.2





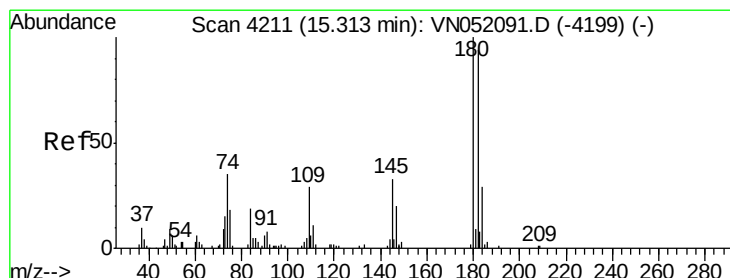
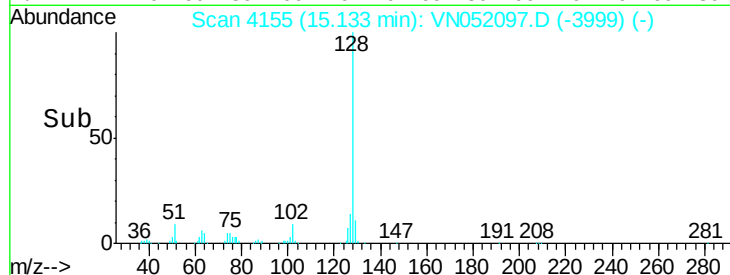
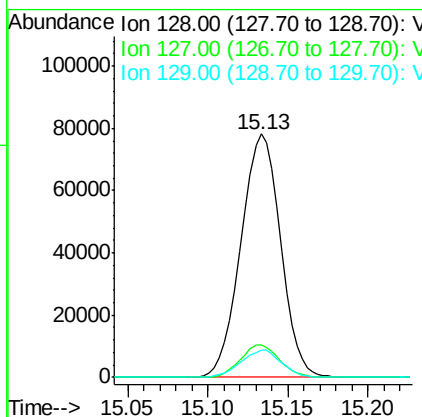
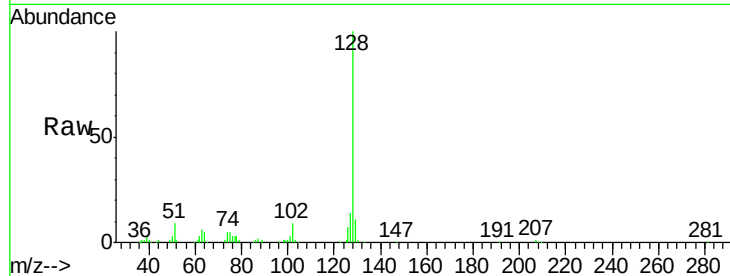
#91
Naphthalene
Concen: 20.291 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.4	8.3	12.5

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#92
1,2,3-Trichlorobenzene
Concen: 19.845 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	0.0	186.6
145	32.0	0.0	66.6

