

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110618\
 Data File : VN052179.D
 Acq On : 6 Nov 2018 9:27
 Operator : MD\SY
 Sample : VN1106WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 5:58:43 PM

Quant Time: Nov 06 16:18:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 15:24:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	301843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	513519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	448933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	190153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	153714	42.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.90%	
35) Dibromofluoromethane	7.59	113	132303	41.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.00%	
50) Toluene-d8	10.09	98	515466	41.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.64%	
62) 4-Bromofluorobenzene	12.40	95	165235	40.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	34436	13.083	ug/l	99
3) Chloromethane	2.07	50	45443	12.792	ug/l	100
4) Vinyl Chloride	2.19	62	43573	12.806	ug/l	94
5) Bromomethane	2.58	94	33173	13.041	ug/l	95
6) Chloroethane	2.71	64	28229	12.975	ug/l	99
7) Trichlorofluoromethane	3.02	101	62188	12.582	ug/l	98
8) Diethyl Ether	3.42	74	23611	13.673	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.77	101	38605	13.071	ug/l	90
10) Methyl Iodide	3.96	142	47420	11.372	ug/l	97
11) Tert butyl alcohol	4.78	59	13405	85.844	ug/l	97
12) 1,1-Dichloroethene	3.74	96	35231	12.670	ug/l	84
13) Acrolein	3.61	56	14056	110.646	ug/l	97
14) Allyl chloride	4.33	41	61493	13.250	ug/l	97
15) Acrylonitrile	4.99	53	70012	68.333	ug/l	99
16) Acetone	3.82	43	55097	67.944	ug/l	93
17) Carbon Disulfide	4.06	76	97838	12.330	ug/l #	95
18) Methyl Acetate	4.33	43	35232	14.039	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	97726	12.758	ug/l	93
20) Methylene Chloride	4.55	84	42371	12.575	ug/l	94
21) trans-1,2-Dichloroethene	5.04	96	40138	13.880	ug/l	94
22) Diisopropyl ether	5.95	45	130183	12.724	ug/l	95
23) Vinyl Acetate	5.90	43	452801	67.286	ug/l	99
24) 1,1-Dichloroethane	5.85	63	74447	12.863	ug/l	98
25) 2-Butanone	6.84	43	88594	70.456	ug/l	98
26) 2,2-Dichloropropane	6.82	77	57270	12.651	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	44761	12.760	ug/l	94
28) Bromochloromethane	7.20	49	42737	15.597	ug/l	90
29) Tetrahydrofuran	7.21	42	53500	68.765	ug/l	94
30) Chloroform	7.37	83	76997	13.359	ug/l	98
31) Cyclohexane	7.66	56	74047	12.357	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	63038	12.330	ug/l	97
36) 1,1-Dichloropropene	7.80	75	59776	13.159	ug/l	99
37) Ethyl Acetate	6.93	43	36565	12.783	ug/l #	93
38) Carbon Tetrachloride	7.77	117	54769	12.068	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	70751	13.151	ug/l	95
40) Benzene	8.04	78	174363	13.057	ug/l	96
41) Methacrylonitrile	7.17	41	18321	12.461	ug/l #	79
42) 1,2-Dichloroethane	8.13	62	54307	12.650	ug/l	94
43) Isopropyl Acetate	8.17	43	69717	13.450	ug/l	95
44) Trichloroethene	8.84	130	45534	12.879	ug/l	87
45) 1,2-Dichloropropane	9.12	63	46486	13.144	ug/l	95
46) Dibromomethane	9.21	93	28775	12.794	ug/l #	88
47) Bromodichloromethane	9.40	83	55348	12.618	ug/l	90
48) Methyl methacrylate	9.20	41	34571	13.858	ug/l	99
49) 1,4-Dioxane	9.20	88	8400	385.779	ug/l #	85
51) 4-Methyl-2-Pentanone	9.98	43	187314	68.404	ug/l	100
52) Toluene	10.15	92	106121	13.178	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	53018	12.321	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	64046	12.719	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	38924	13.709	ug/l	95
56) Ethyl methacrylate	10.43	69	47572	12.854	ug/l	95
57) 1,3-Dichloropropane	10.71	76	64124	12.820	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	154863	77.755	ug/l	97
59) 2-Hexanone	10.75	43	130857	68.647	ug/l	96
60) Dibromochloromethane	10.90	129	37585	11.641	ug/l	97
61) 1,2-Dibromoethane	11.00	107	37077	12.865	ug/l	95
64) Tetrachloroethene	10.63	164	38433	13.214	ug/l	90
65) Chlorobenzene	11.43	112	114857	12.552	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	39165	12.745	ug/l	98
67) Ethyl Benzene	11.51	91	196861	12.953	ug/l	99
68) m/p-Xylenes	11.62	106	148002	25.238	ug/l	93
69) o-Xylene	11.95	106	72457	12.740	ug/l	95
70) Styrene	11.96	104	114489	12.717	ug/l	96
71) Bromoform	12.13	173	20853	12.403	ug/l #	100
73) Isopropylbenzene	12.25	105	185138	12.877	ug/l	96
74) N-amyl acetate	12.07	43	59513	13.393	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	43272	13.750	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	38672m	15.387	ug/l	
77) Bromobenzene	12.53	156	43017	12.547	ug/l	82
78) n-propylbenzene	12.59	91	214930	13.081	ug/l	98
79) 2-Chlorotoluene	12.67	91	128532	13.339	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	148111	12.727	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	11033	13.201	ug/l	96
82) 4-Chlorotoluene	12.77	91	127846	13.201	ug/l	93
83) tert-Butylbenzene	12.99	119	131767	12.823	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	150733	13.011	ug/l	97
85) sec-Butylbenzene	13.17	105	179884	12.946	ug/l	97
86) p-Isopropyltoluene	13.29	119	153424	13.118	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	76619	12.646	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	76541	12.639	ug/l	99
89) n-Butylbenzene	13.61	91	129742	12.811	ug/l	97
90) Hexachloroethane	13.88	117	23340	11.841	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	73286	12.889	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5908	14.221	ug/l	76

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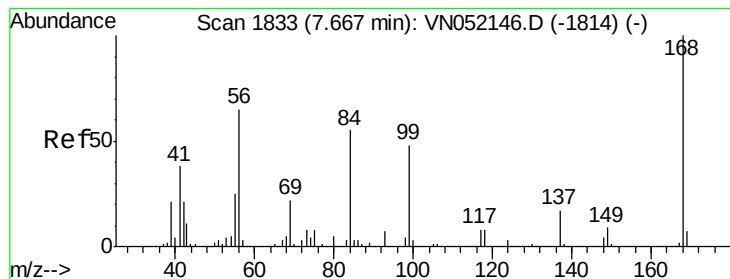
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	27594	12.066	ug/l	92
94) Hexachlorobutadiene	15.01	225	18247	13.406	ug/l	96
95) Naphthalene	15.13	128	69935	12.010	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	27915	13.400	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

Tot Ion:168 Resp: 301843

Ion Ratio Lower Upper

168 100

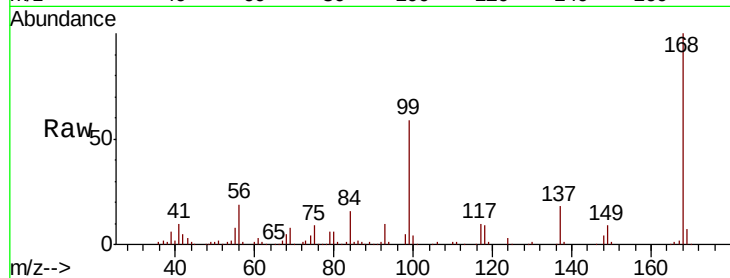
99 59.0 56.6 85.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

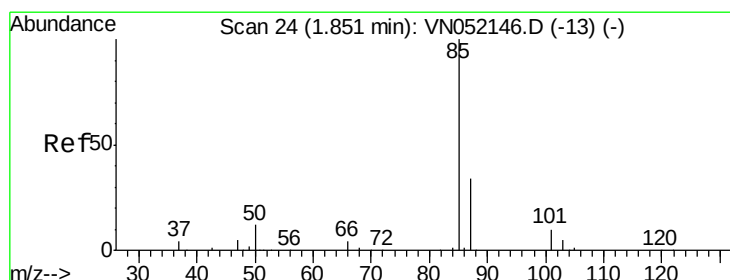
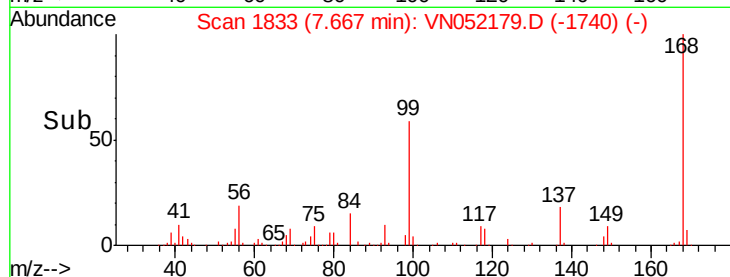
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 13.083 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052179.D

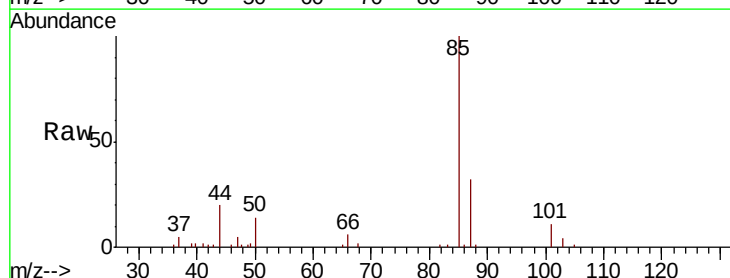
Acq: 6 Nov 2018 9:27

Tgt Ion: 85 Resp: 34436

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

25000

20000

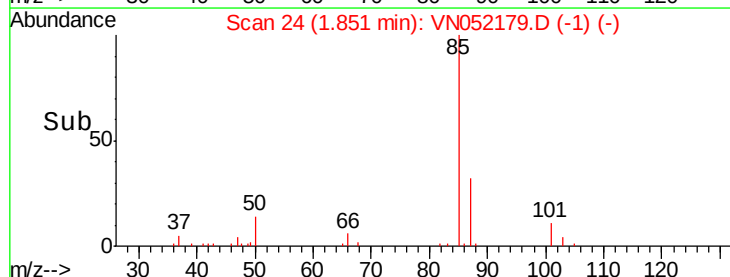
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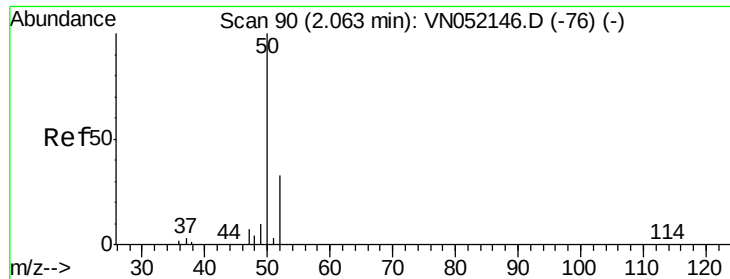
10000

5000

0

Time-->





#3

Chloromethane

Concen: 12.792 ug/l

RT: 2.07 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

Tot Ion: 50 Resp: 45443

Ion Ratio Lower Upper

50 100

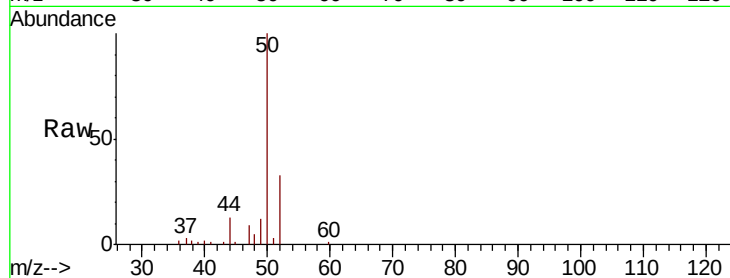
52 33.3 26.6 39.8

Manual Integrations

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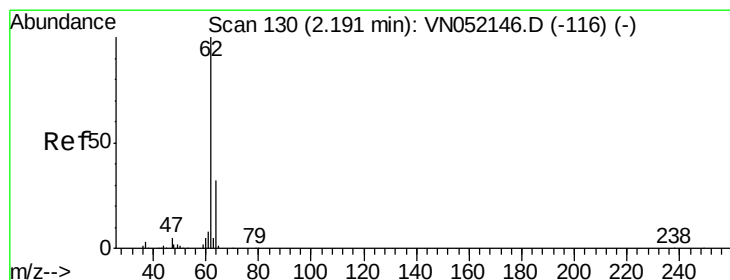
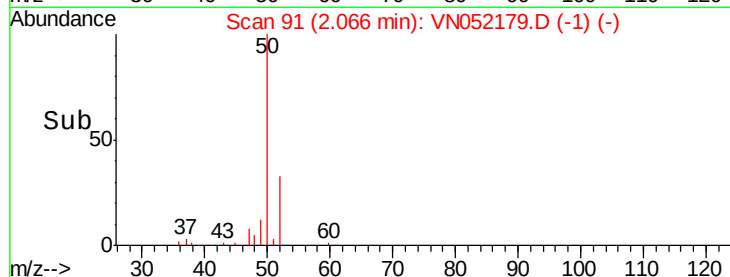
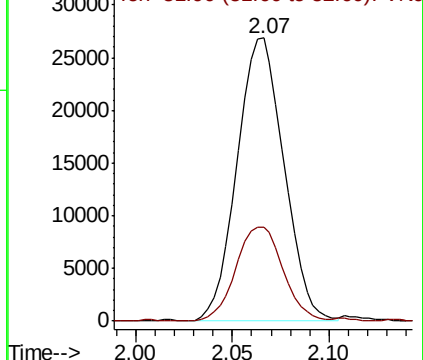
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 12.806 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052179.D

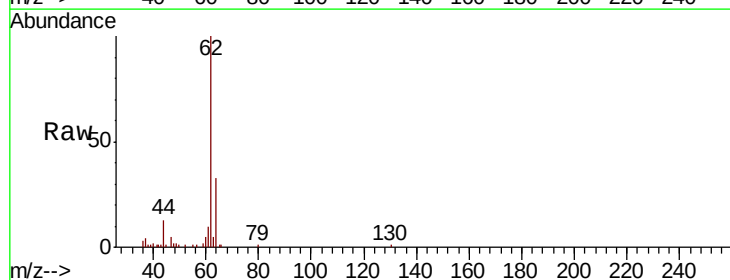
Acq: 6 Nov 2018 9:27

Tgt Ion: 62 Resp: 43573

Ion Ratio Lower Upper

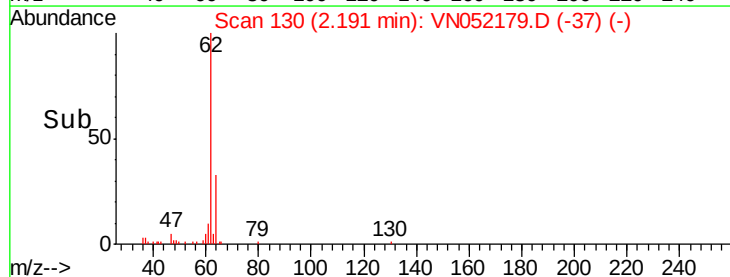
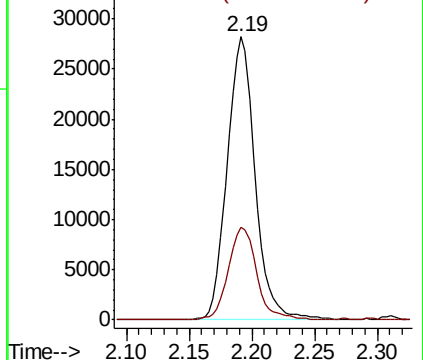
62 100

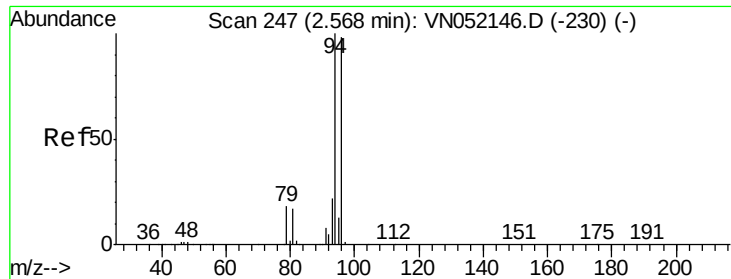
64 32.6 23.7 35.5



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 13.041 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

Tot Ion: 94 Resp: 33173

Ion Ratio Lower Upper

94 100

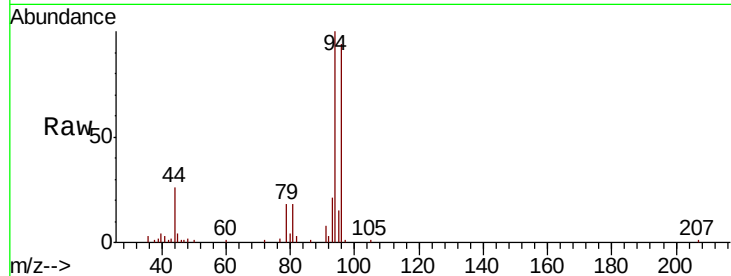
96 94.3 71.8 107.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN052179.D (-154) (-)

Ion 95.90 (95.60 to 96.60): VN052179.D (-154) (-)

20000

15000

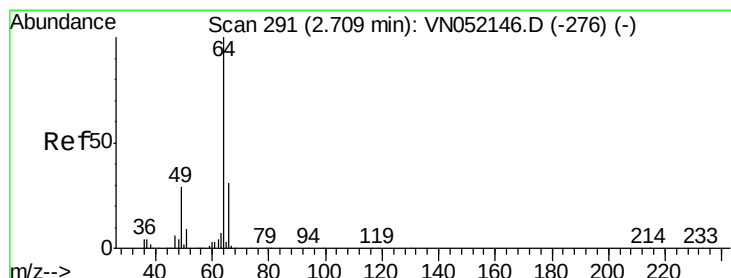
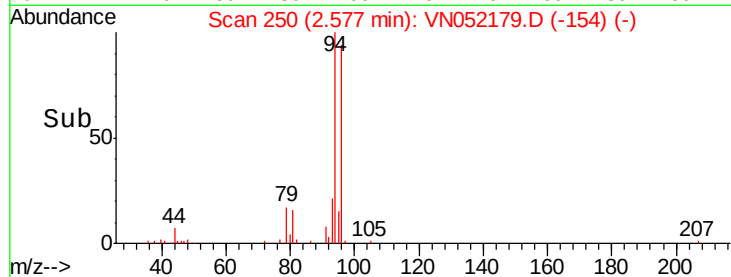
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5000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 12.975 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052179.D

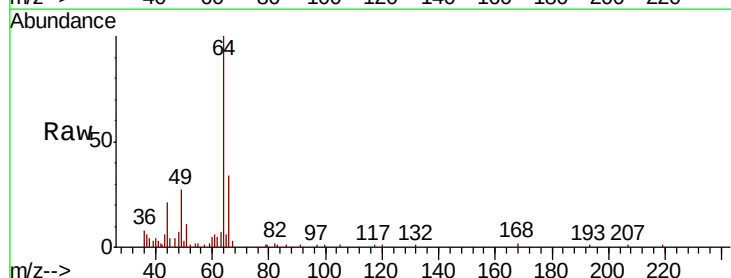
Acq: 6 Nov 2018 9:27

Tgt Ion: 64 Resp: 28229

Ion Ratio Lower Upper

64 100

66 34.2 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VN052179.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN052179.D (-198) (-)

15000

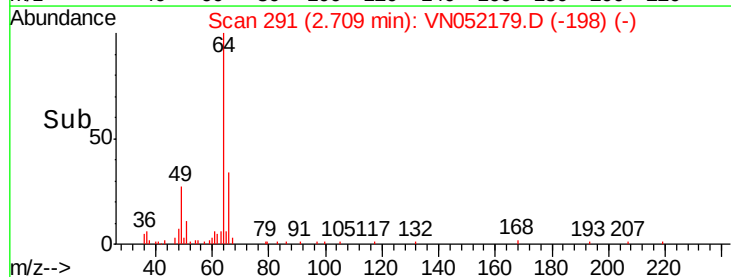
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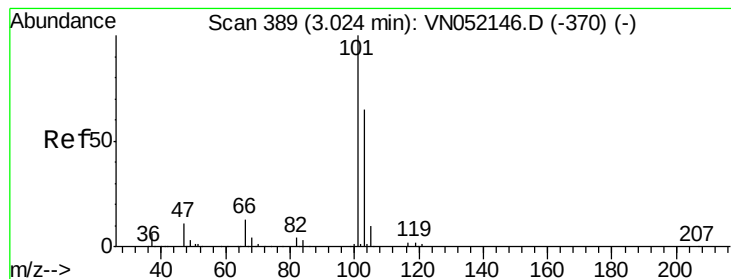
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0

2.65 2.70 2.75 2.80

Time-->





#7

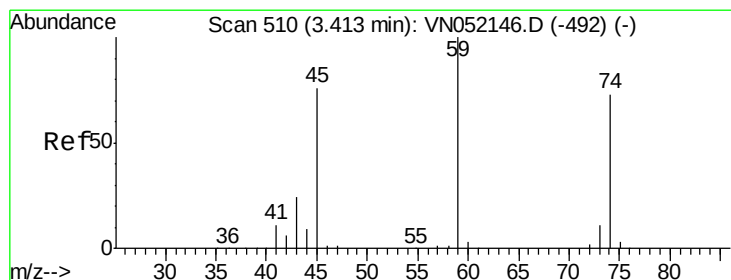
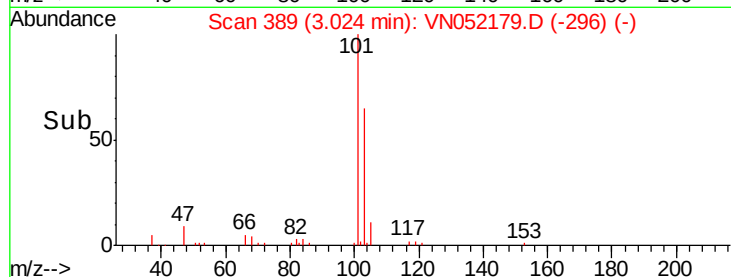
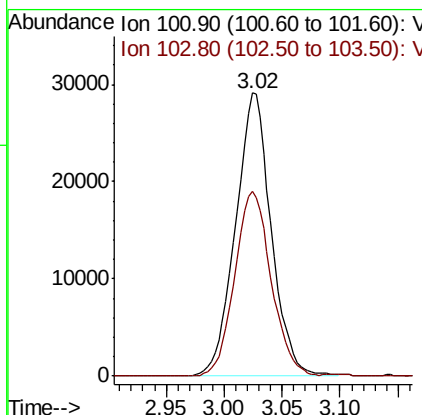
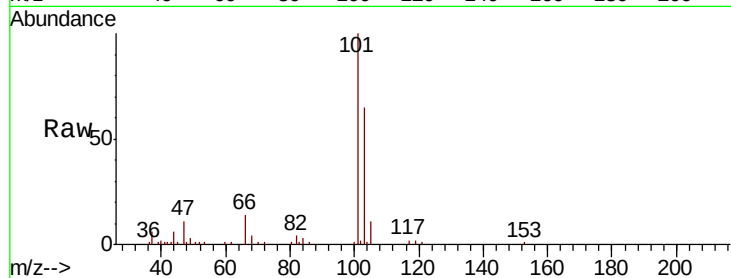
Trichlorofluoromethane
 Concen: 12.582 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052179.D
 Acq: 6 Nov 2018 9:27

Instrument :
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 ClientSampleId :
 VN1106WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.0	76.4

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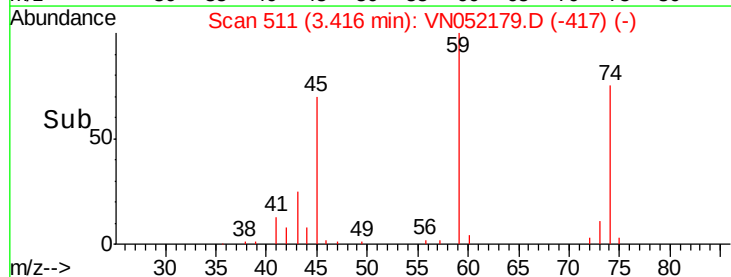
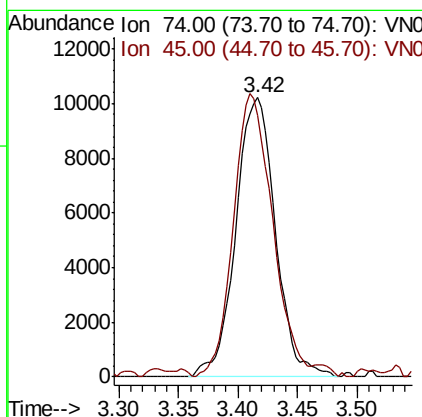
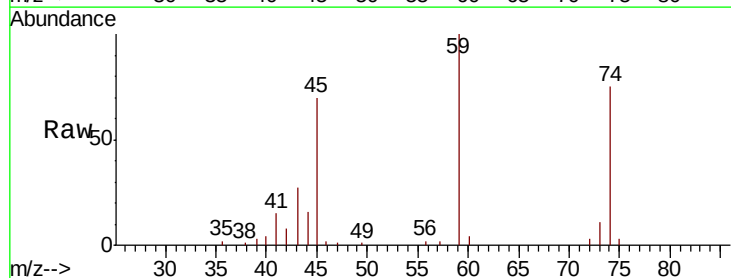
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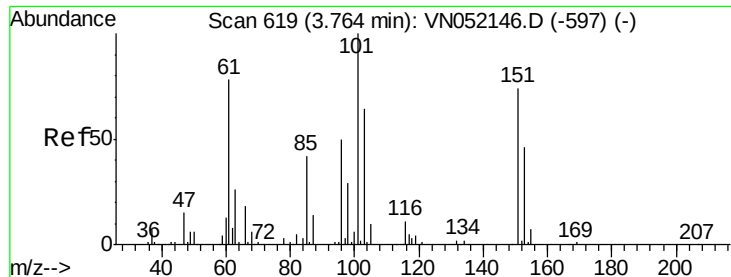


#8

Diethyl Ether
 Concen: 13.673 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN052179.D
 Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	55.6	166.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.071 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

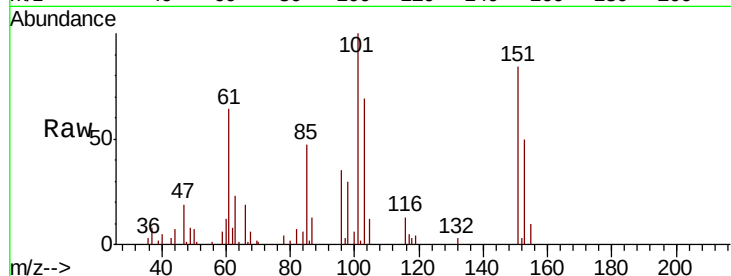
ClientSampleId :

VN1106WBS01

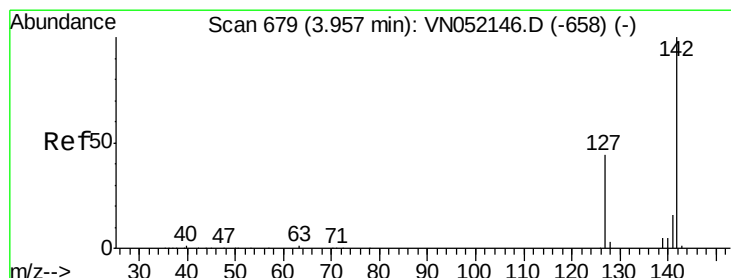
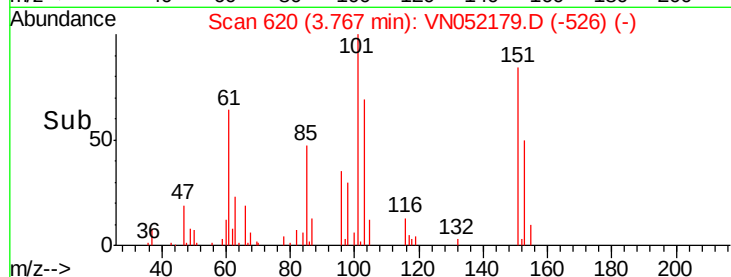
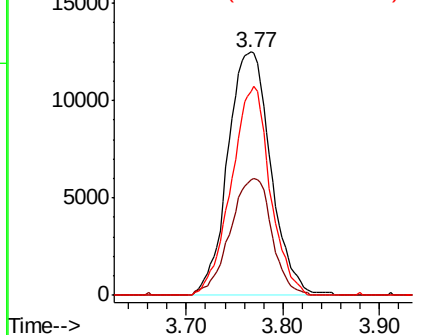
Tot Ion:	101	Resp:	38605
Ion Ratio	Lower	Upper	
101	100		
85	46.5	38.6	58.0
151	77.6	52.6	78.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 11.372 ug/l

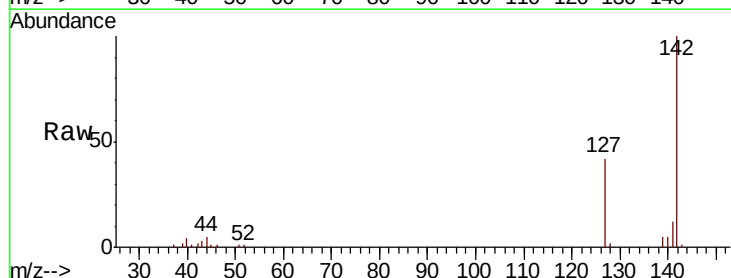
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

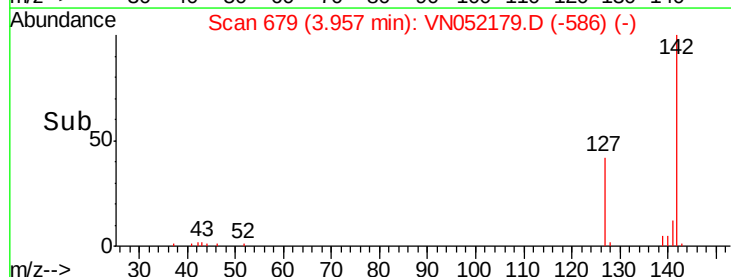
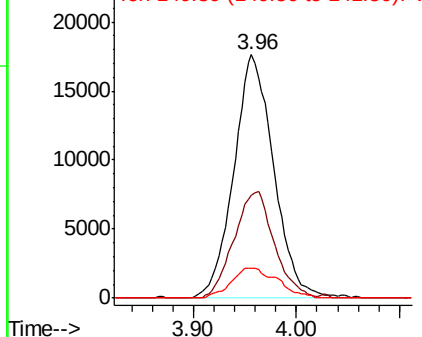
Lab File: VN052179.D

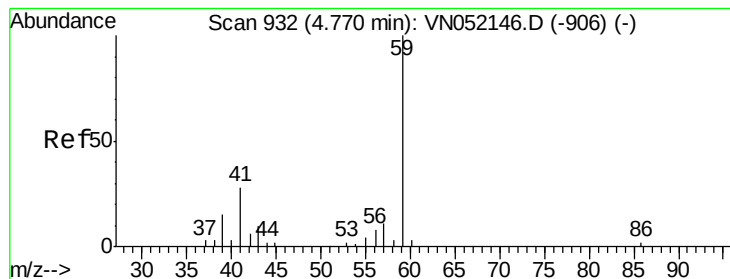
Acq: 6 Nov 2018 9:27

Tgt Ion:	142	Resp:	47420
Ion Ratio	Lower	Upper	
142	100		
127	44.2	37.3	55.9
141	14.3	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

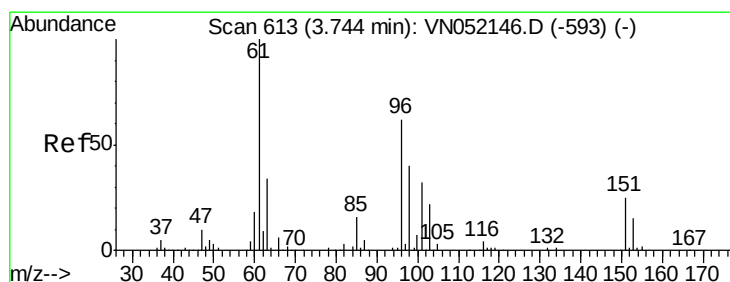
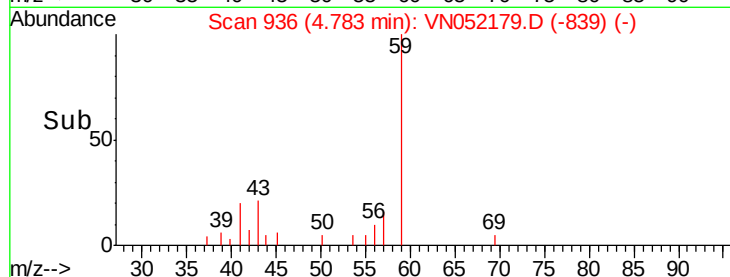
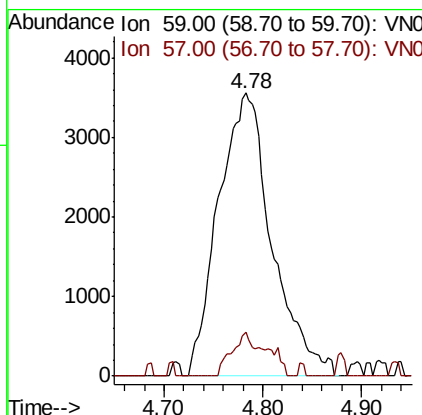
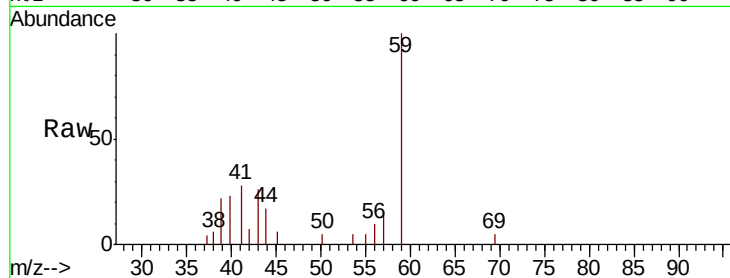
Tert butyl alcohol
 Concen: 85.844 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN052179.D
 Acq: 6 Nov 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.0	10.6

Manual Integrations
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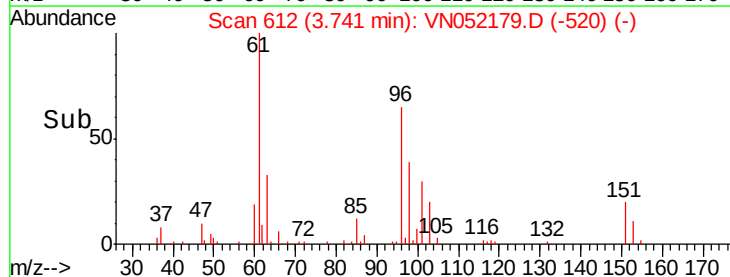
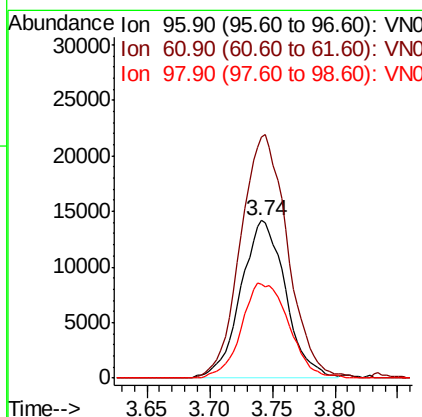
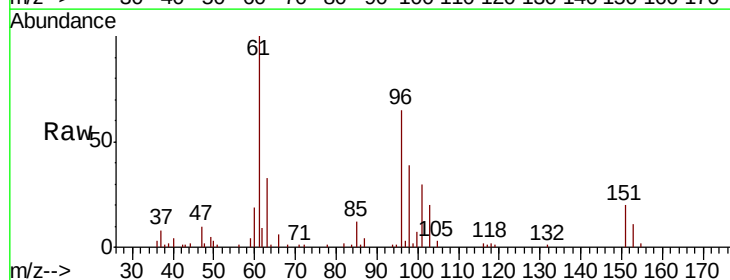
MMDadoda
 11/6/2018 5:58:43 PM

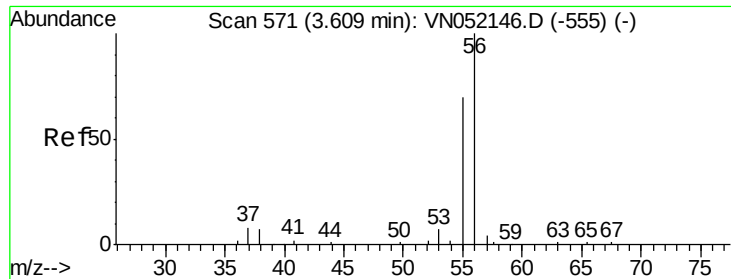


#12

1,1-Dichloroethene
 Concen: 12.670 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052179.D
 Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.9	145.7	218.5
98	59.4	49.8	74.8





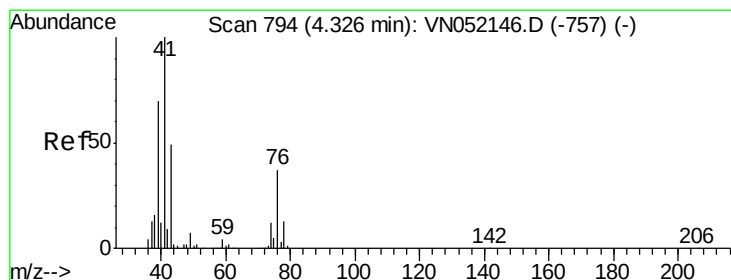
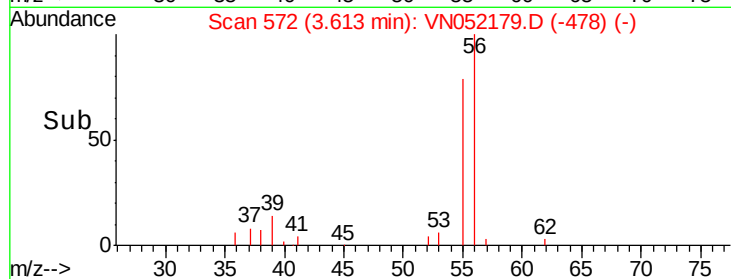
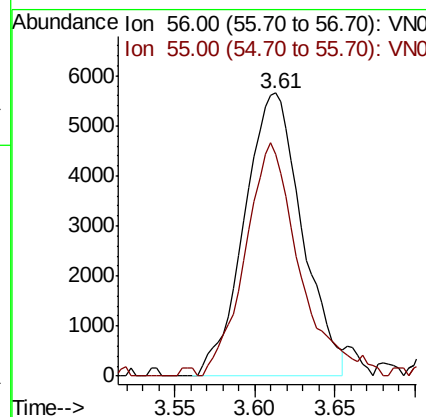
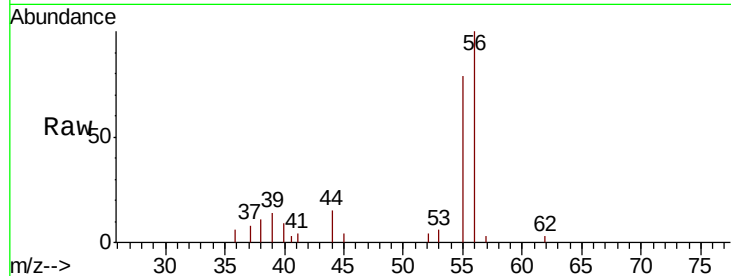
#13
Acrolein
Concen: 110.646 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

Tot Ion	56	55	Ratio	100	Resp	Lower	Upper
14056							

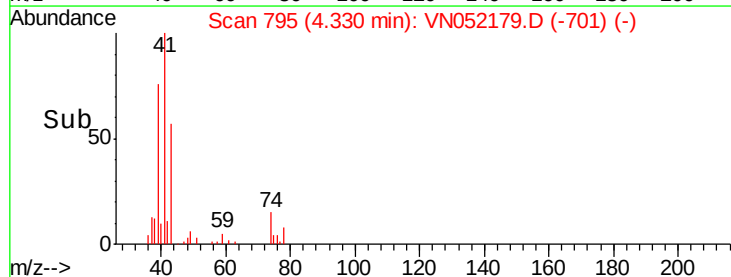
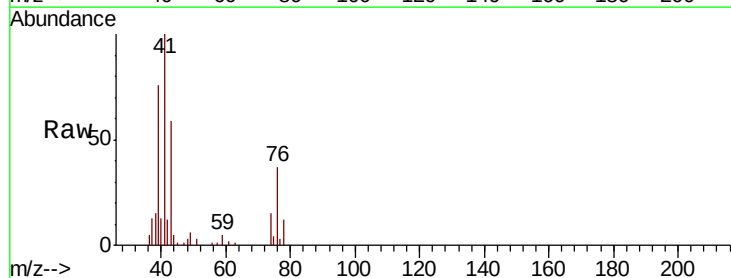
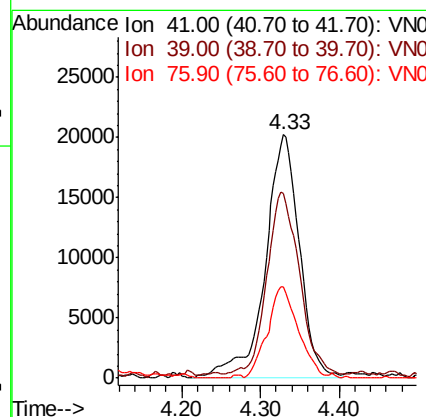
Manual Integrations
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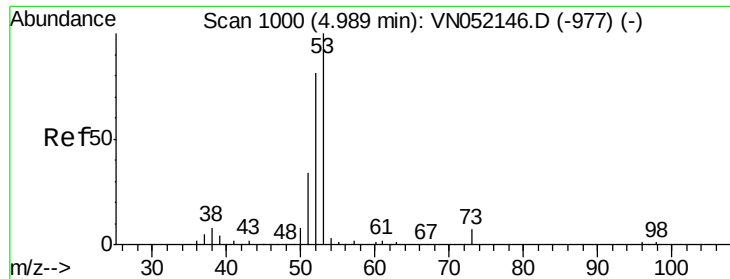
MMDadoda
11/6/2018 5:58:43 PM



#14
Allyl chloride
Concen: 13.250 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion	41	39	76	Ratio	100	70.3	33.9	Resp	Lower	Upper
61493										





#15

Acrylonitrile

Concen: 68.333 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

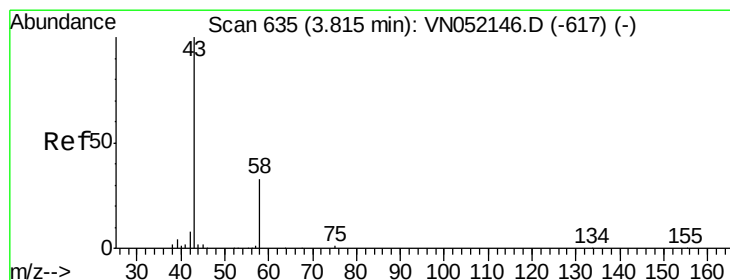
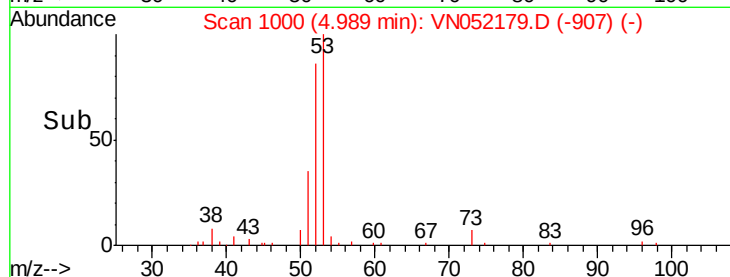
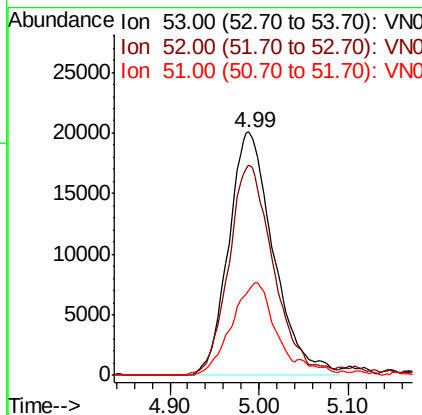
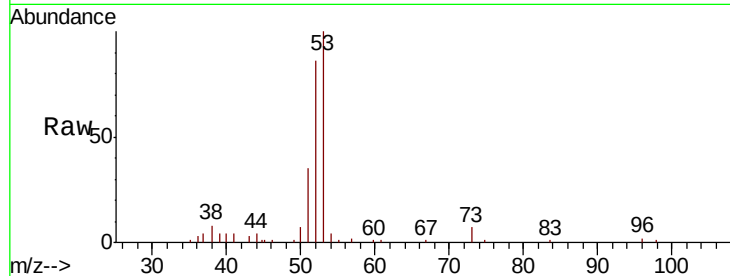
ClientSampleId :

VN1106WBS01

Tot Ion:	53	Resp:	70012
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.6	100.0
51	36.0	29.0	43.6

Manual Integrations
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11/6/2018 5:58:43 PM



#16

Acetone

Concen: 67.944 ug/l

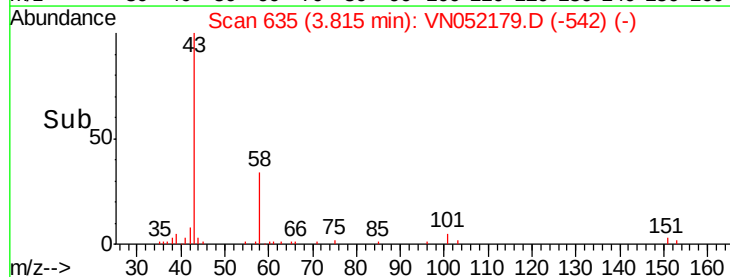
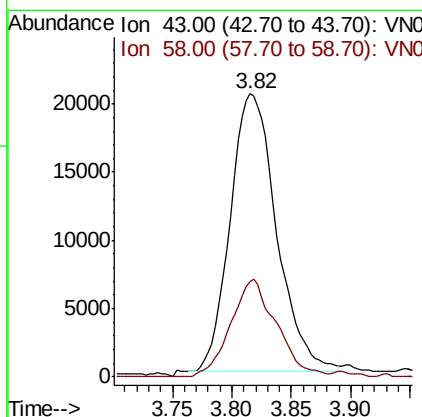
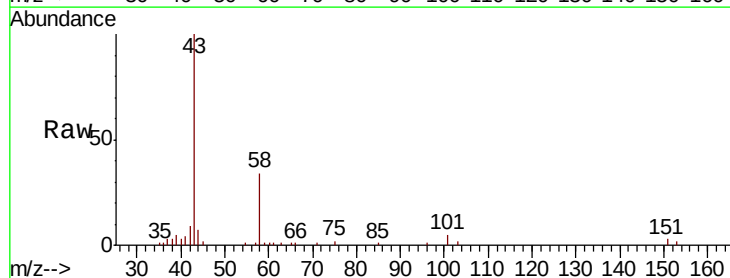
RT: 3.82 min Scan# 635

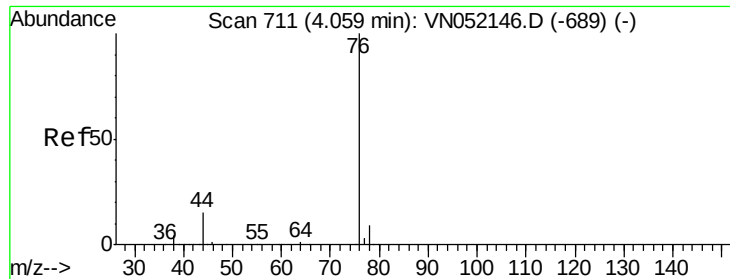
Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Tgt Ion:	43	Resp:	55097
Ion	Ratio	Lower	Upper
43	100		
58	34.2	24.2	36.2





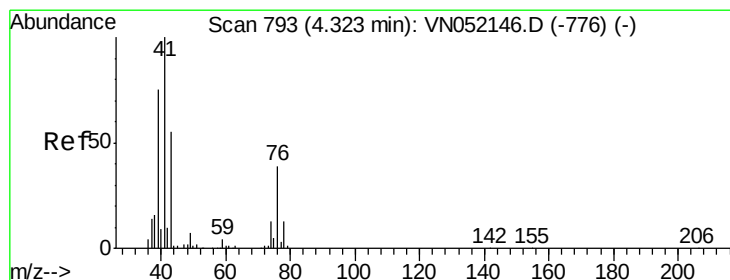
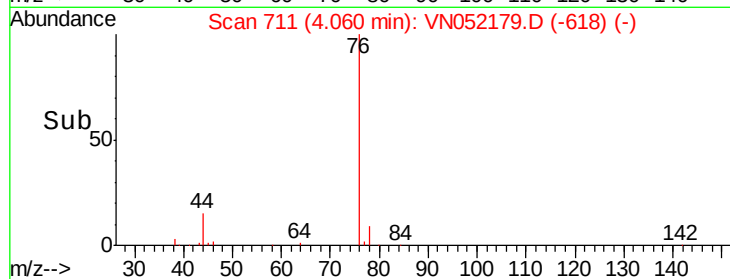
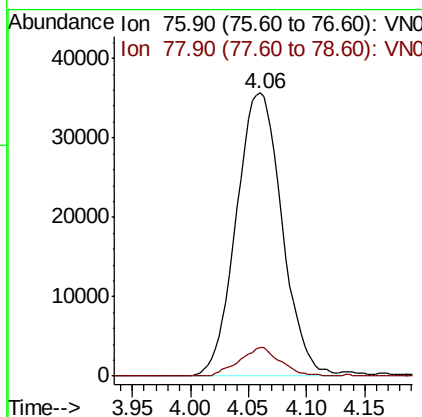
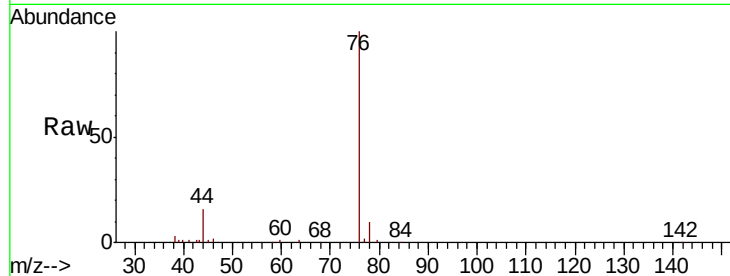
#17
Carbon Disulfide
Concen: 12.330 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.2	6.8	10.2#

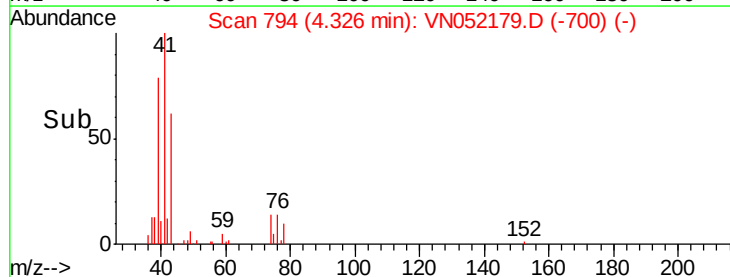
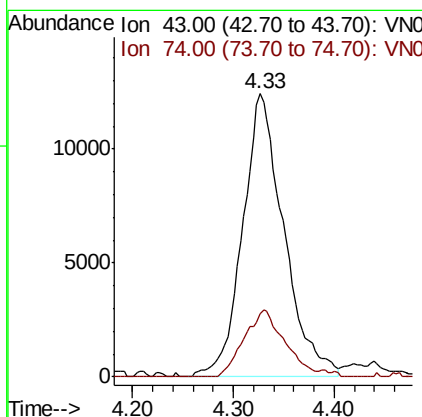
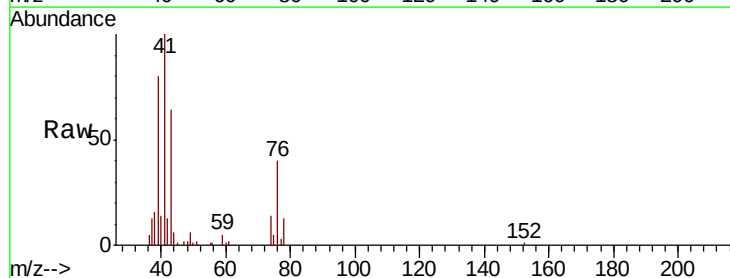
Manual Integrations
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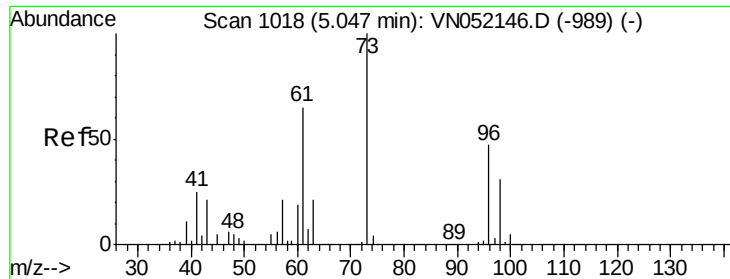
MMDadoda
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#18
Methyl Acetate
Concen: 14.039 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	17.9	26.9





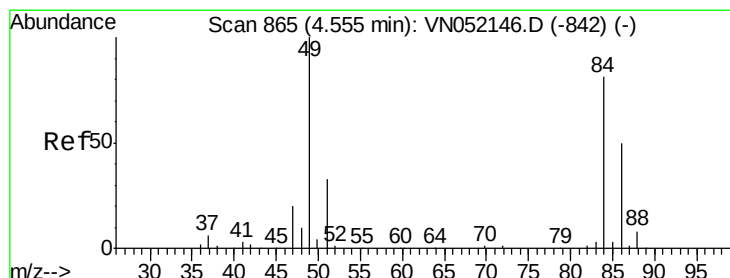
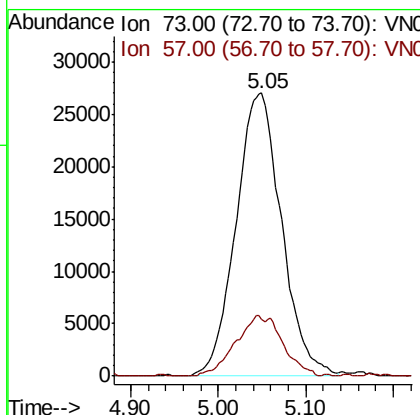
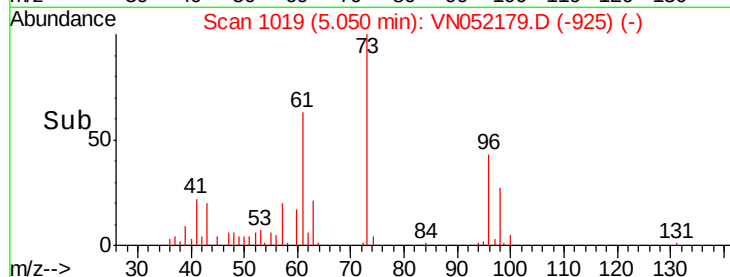
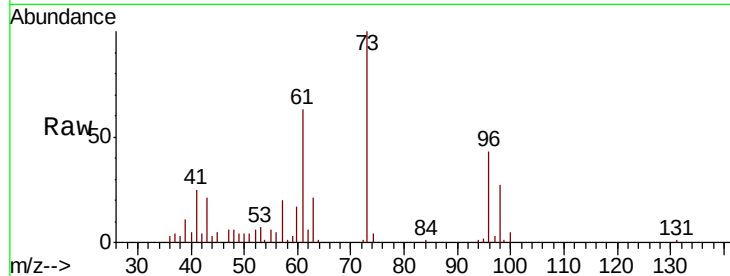
#19
Methyl tert-butyl Ether
Concen: 12.758 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

Tot Ion: 73 Resp: 97726
Ion Ratio Lower Upper
73 100
57 20.1 18.7 28.1

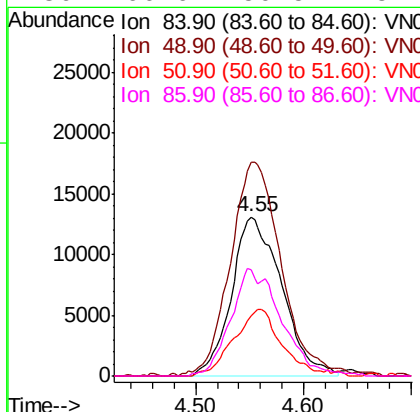
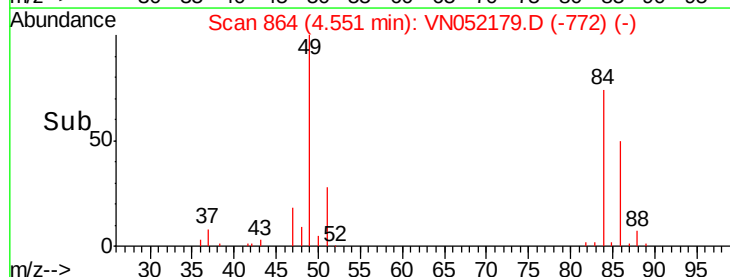
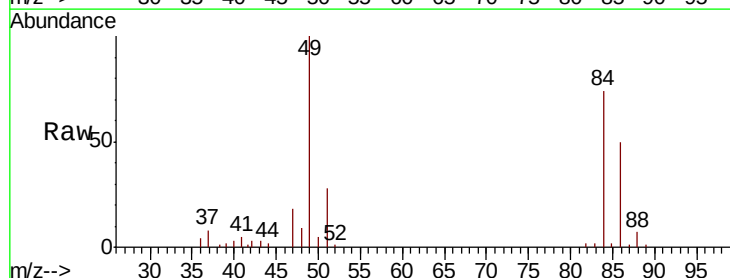
Manual Integrations
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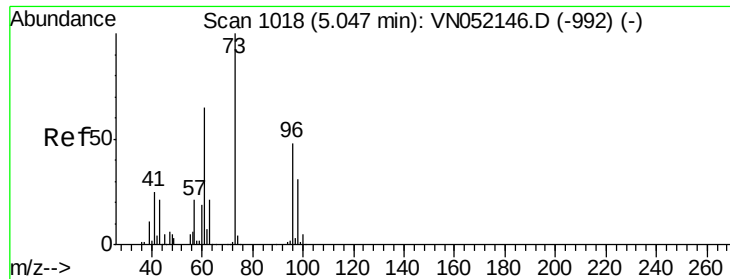
MMDadoda
11/6/2018 5:58:43 PM



#20
Methylene Chloride
Concen: 12.575 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion: 84 Resp: 42371
Ion Ratio Lower Upper
84 100
49 130.8 110.6 165.8
51 37.7 33.7 50.5
86 66.6 50.5 75.7





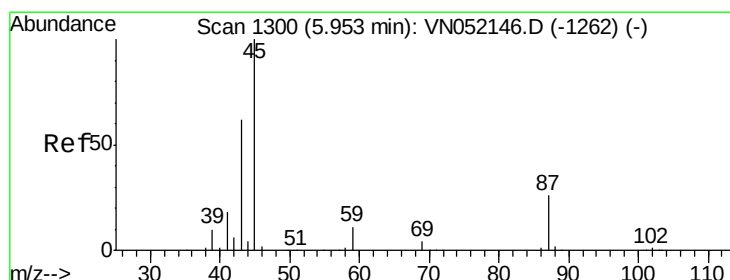
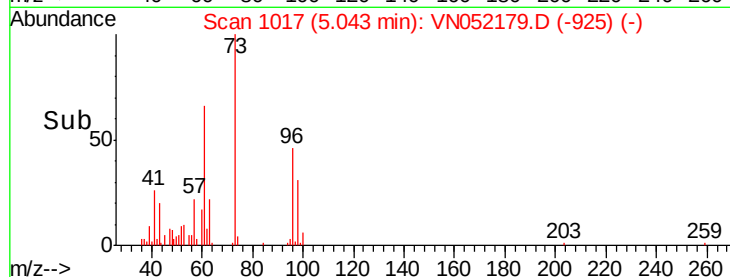
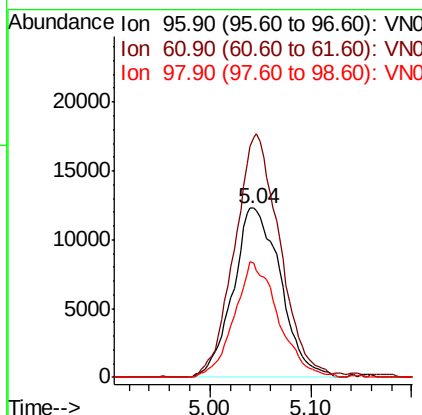
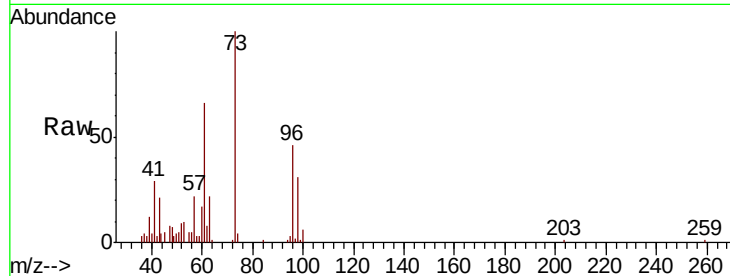
#21
trans-1,2-Dichloroethene
Concen: 13.880 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	118.6	178.0
98	67.9	49.7	74.5

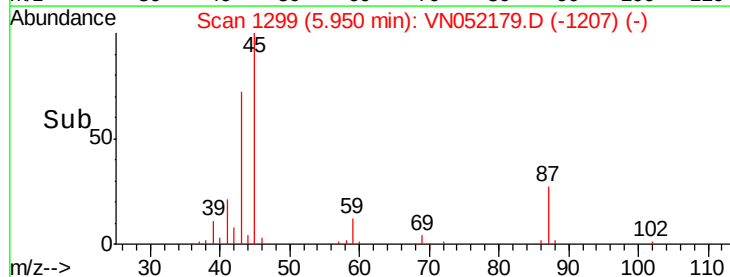
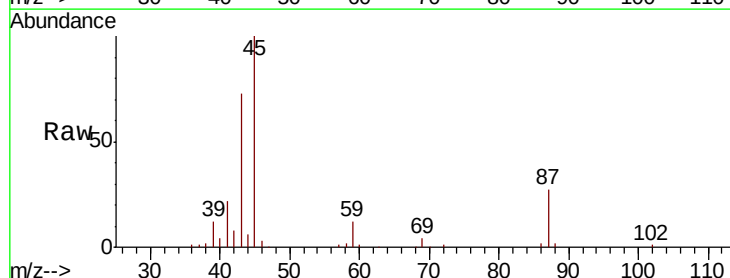
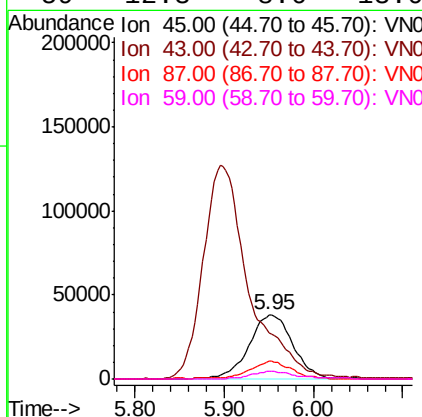
Manual Integrations
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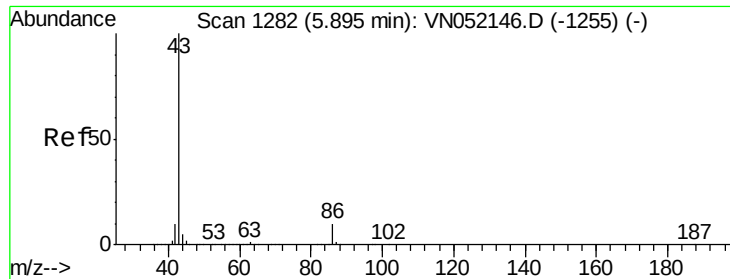
MMDadoda
11/6/2018 5:58:43 PM



#22
Diisopropyl ether
Concen: 12.724 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.2	50.5	75.7
87	27.4	21.5	32.3
59	12.3	8.6	13.0





#23

Vinyl Acetate

Concen: 67.286 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

Tot Ion: 43 Resp: 452801

Ion Ratio Lower Upper

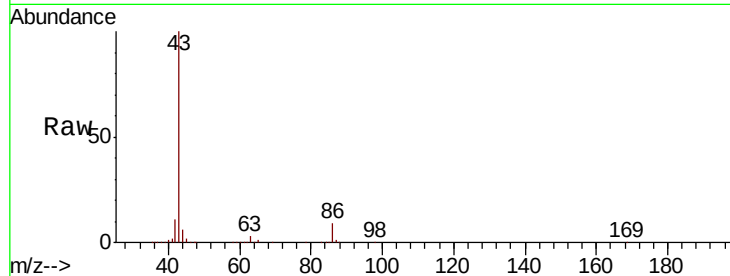
43 100

86 9.3 7.3 10.9

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Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN052146.D (-1255) (-)

5.90

150000

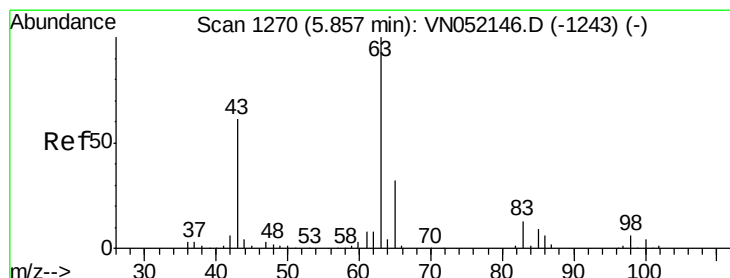
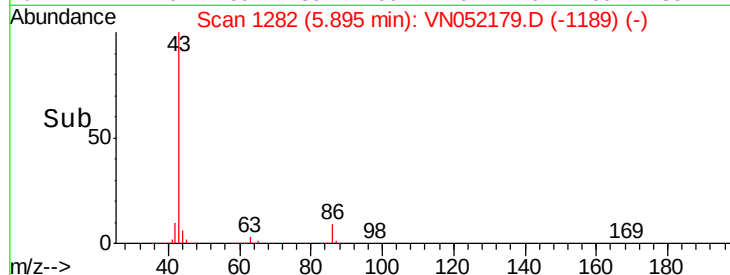
100000

50000

0

Time-->

5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 12.863 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

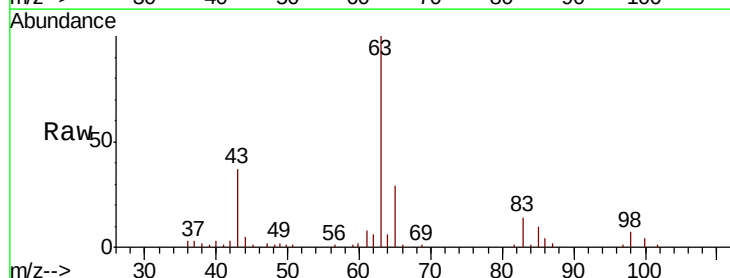
Tgt Ion: 63 Resp: 74447

Ion Ratio Lower Upper

63 100

98 6.9 2.8 8.4

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN052146.D (-1243) (-)

Ion 97.90 (97.60 to 98.60): VN052146.D (-1243) (-)

Ion 99.90 (99.60 to 100.60): VN052146.D (-1243) (-)

5.85

30000

25000

20000

15000

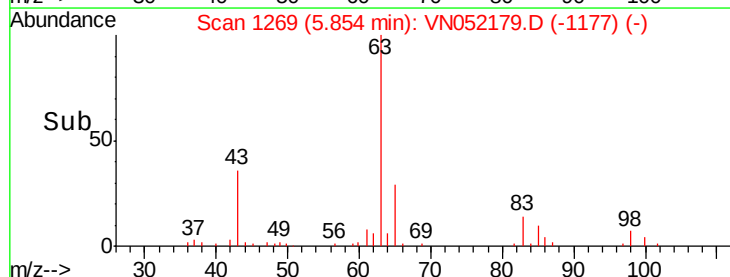
10000

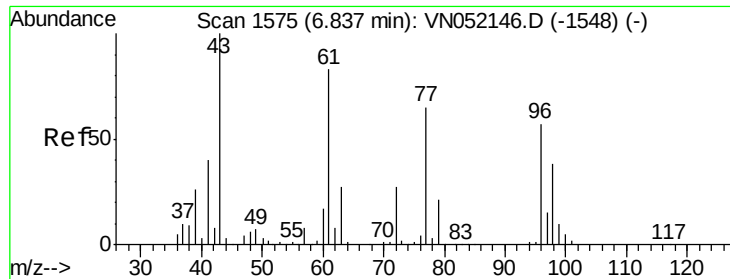
5000

0

Time-->

5.70 5.80 5.90 6.00





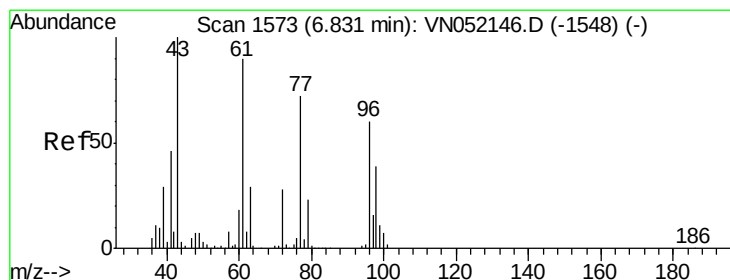
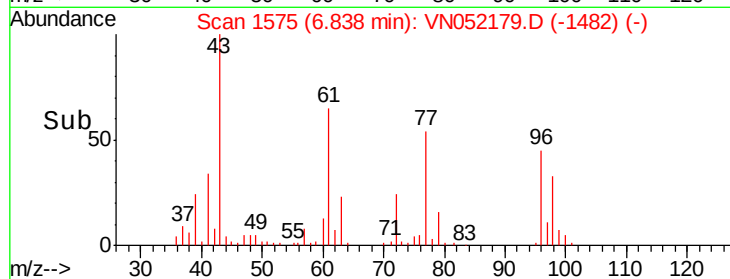
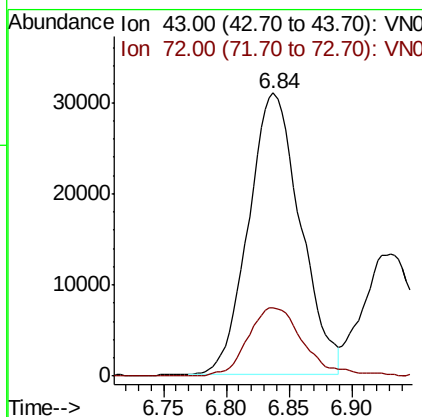
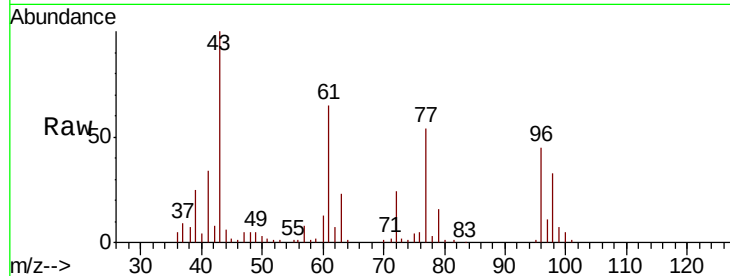
#25
2-Butanone
Concen: 70.456 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

Tot Ion: 43 Resp: 88594
Ion Ratio Lower Upper
43 100
72 24.4 20.2 30.2

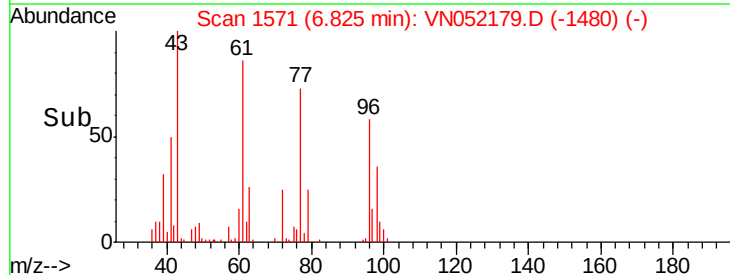
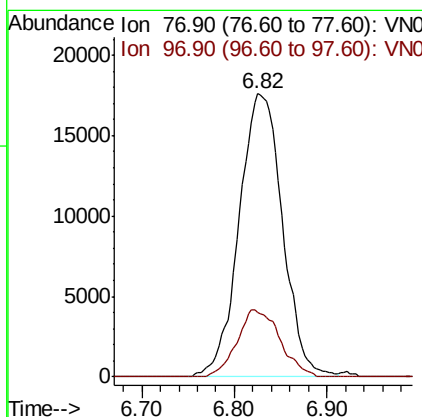
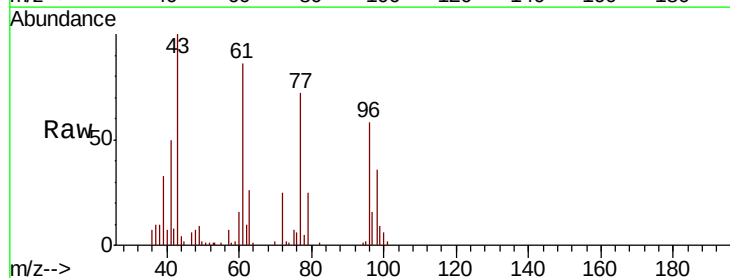
Manual Integrations
APPROVED

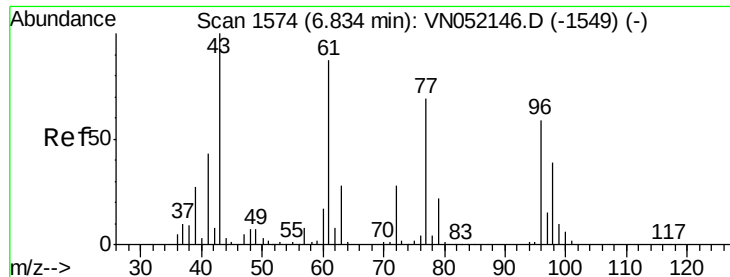
MMDadoda
11/6/2018 5:58:43 PM



#26
2,2-Dichloropropane
Concen: 12.651 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion: 77 Resp: 57270
Ion Ratio Lower Upper
77 100
97 23.5 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 12.760 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

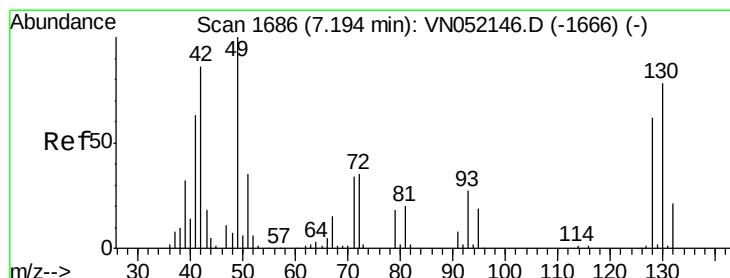
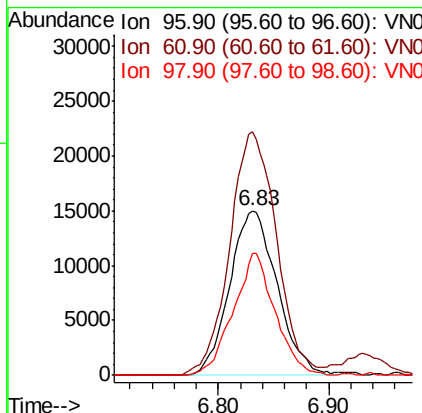
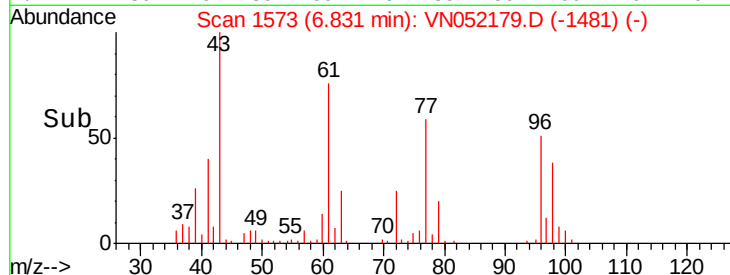
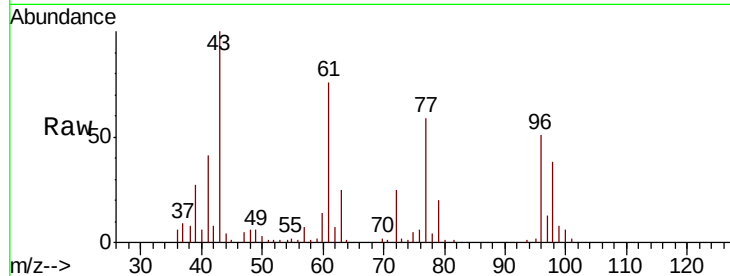
ClientSampleId :

VN1106WBS01

Tot Ion:	96	Resp:	44761
Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	312.8
98	65.1	0.0	127.0

Manual Integrations
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11/6/2018 5:58:43 PM



#28

Bromochloromethane

Concen: 15.597 ug/l

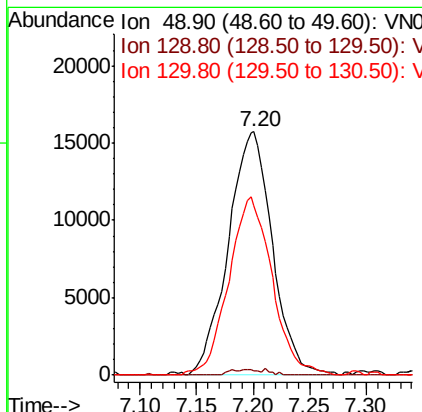
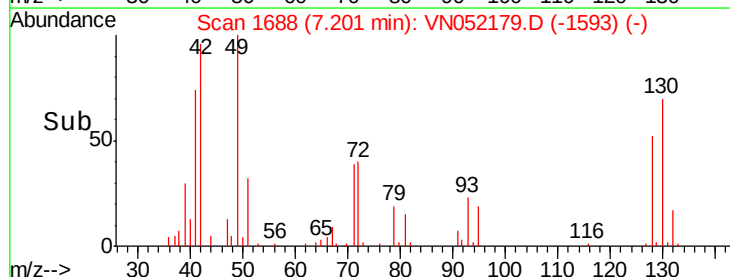
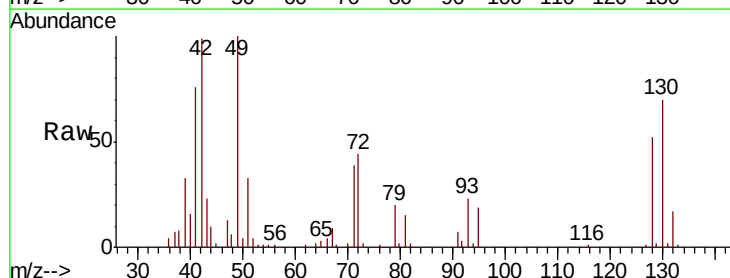
RT: 7.20 min Scan# 1688

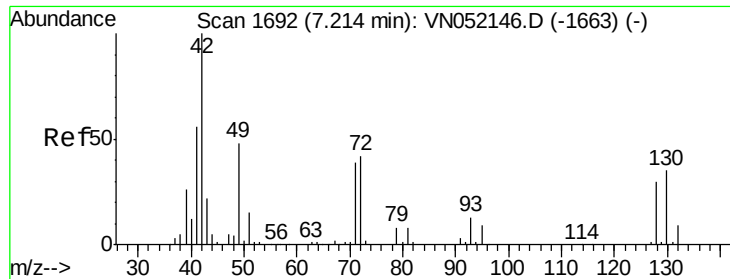
Delta R.T. 0.01 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Tgt Ion:	49	Resp:	42737
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.4
130	71.8	50.8	76.2





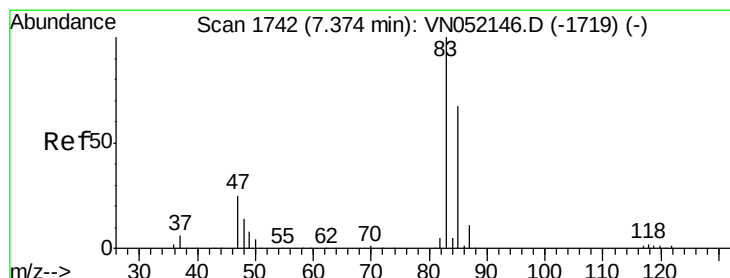
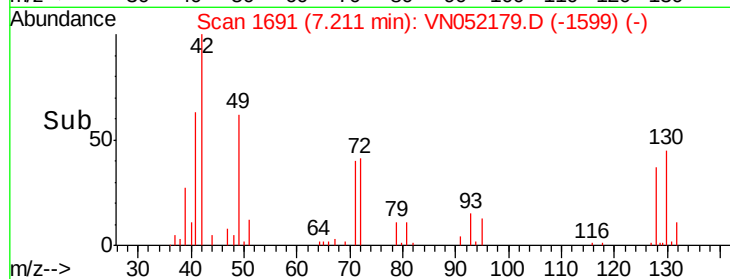
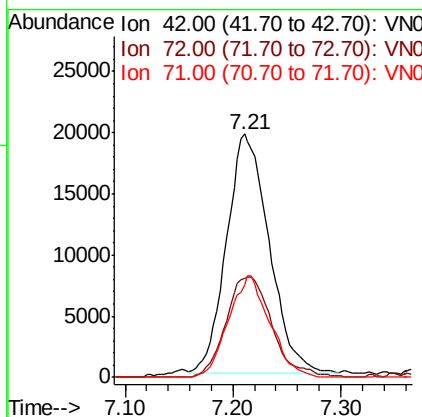
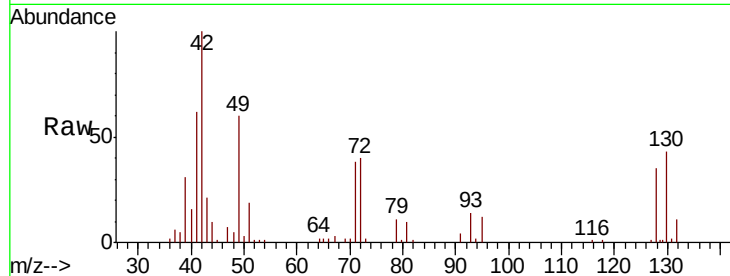
#29
Tetrahydrofuran
Concen: 68.765 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	32.5	48.7
71	41.4	30.6	46.0

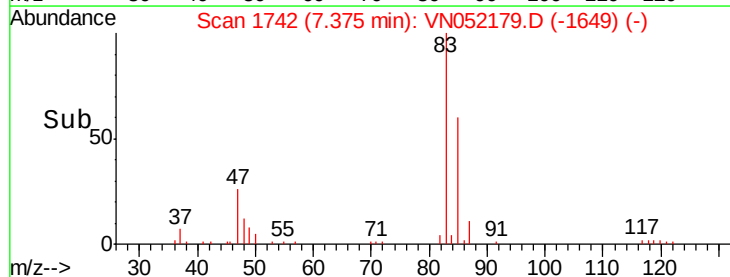
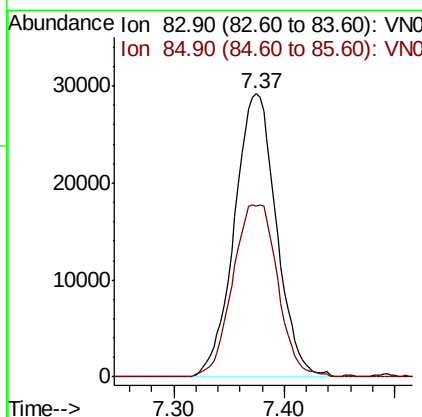
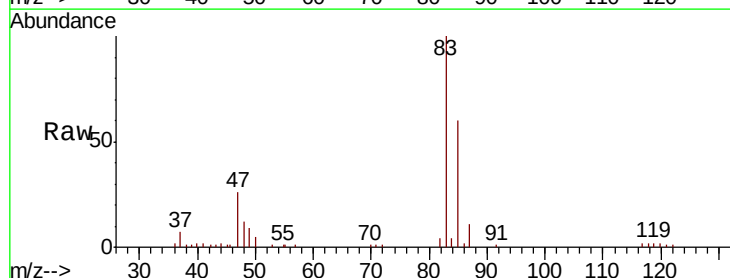
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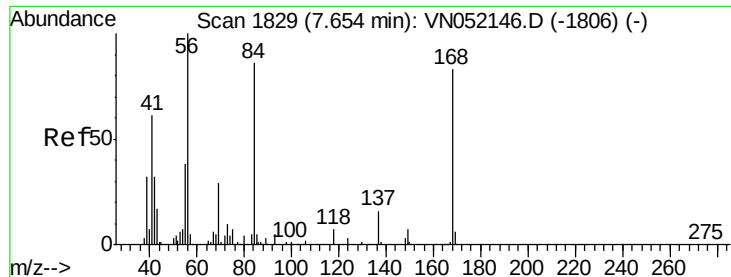
MMDadoda
11/6/2018 5:58:43 PM



#30
Chloroform
Concen: 13.359 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.1	49.6	74.4





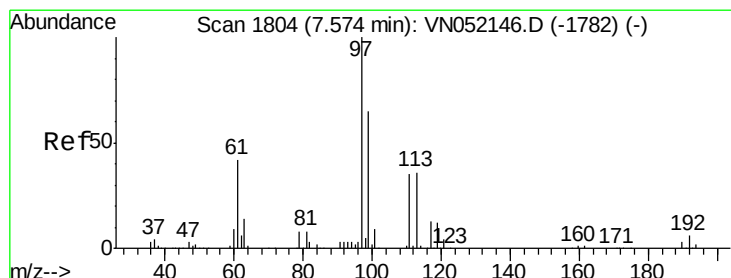
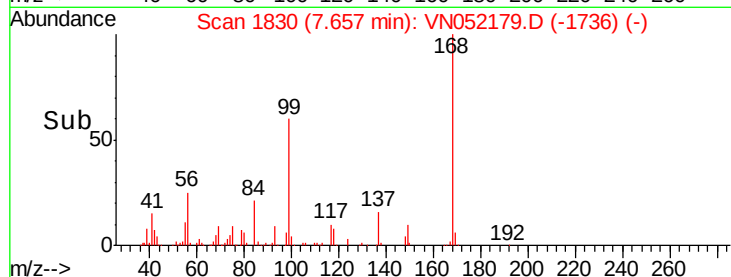
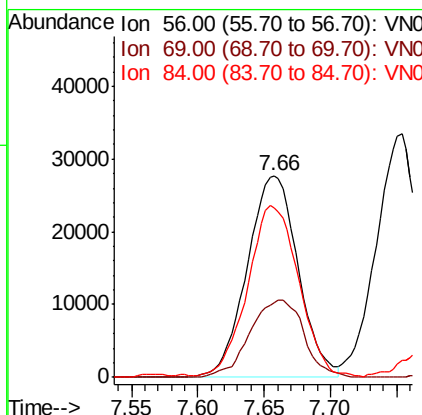
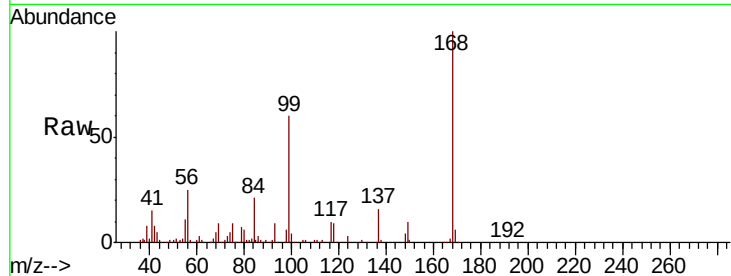
#31
Cyclohexane
Concen: 12.357 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	25.8	38.6
84	83.1	63.5	95.3

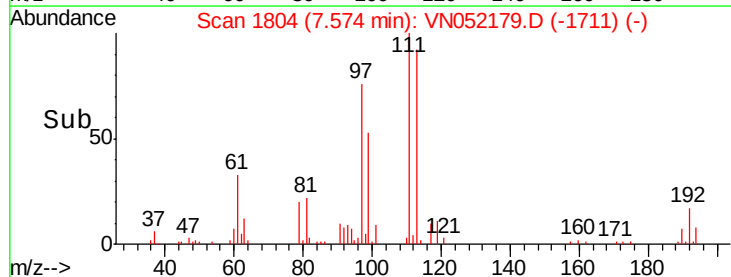
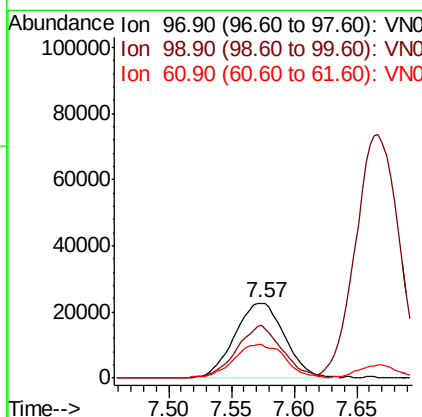
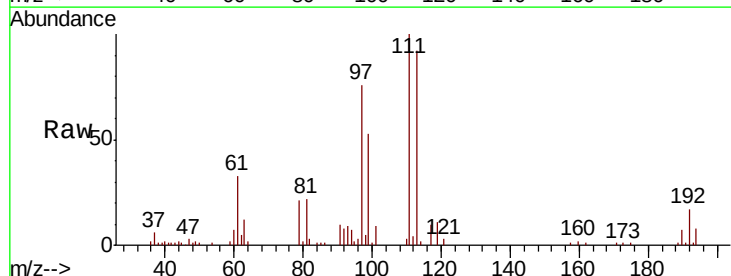
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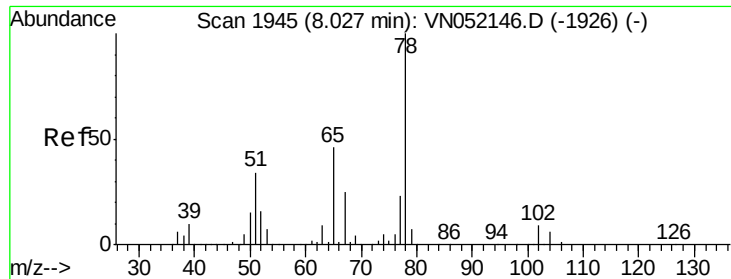
MMDadoda
11/6/2018 5:58:43 PM



#32
1,1,1-Trichloroethane
Concen: 12.330 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.2
61	46.2	40.3	60.5





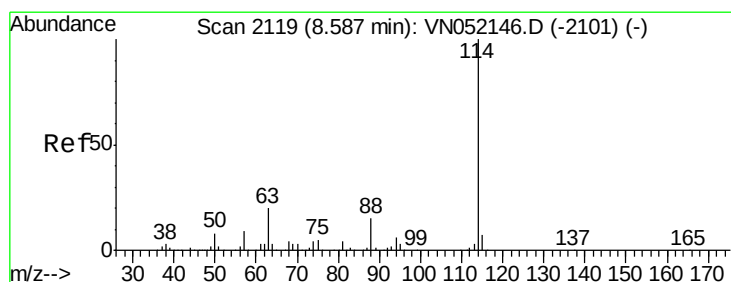
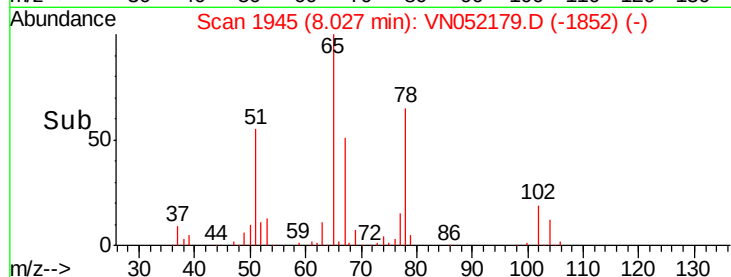
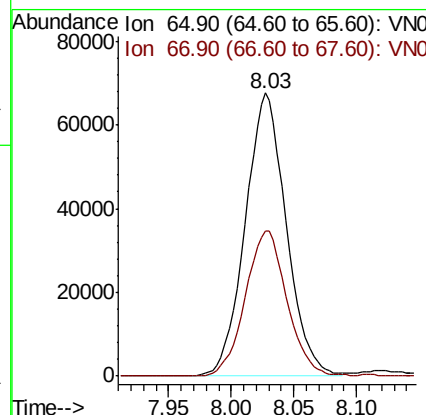
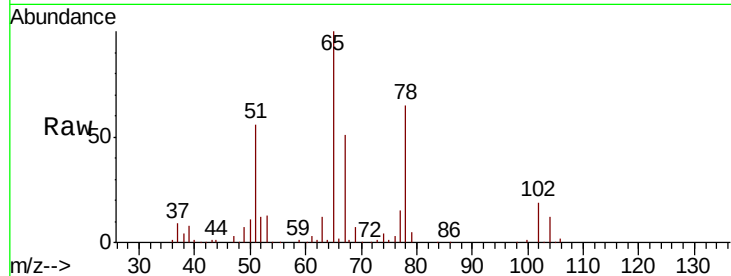
#33
 1,2-Dichloroethane-d4
 Concen: 12.330 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052179.D
 Acq: 6 Nov 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	153714		
67	51.9	0.0	105.2	

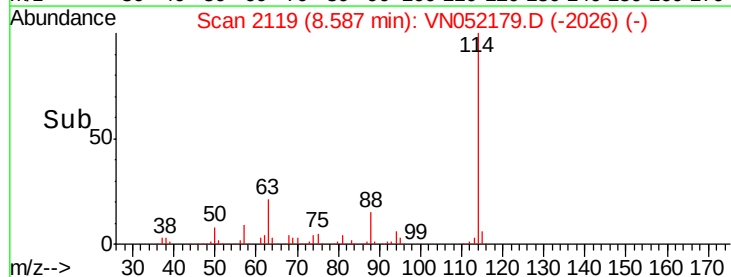
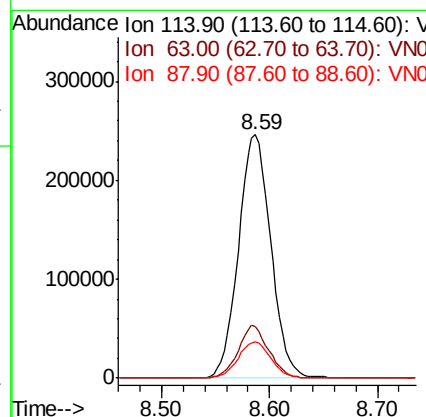
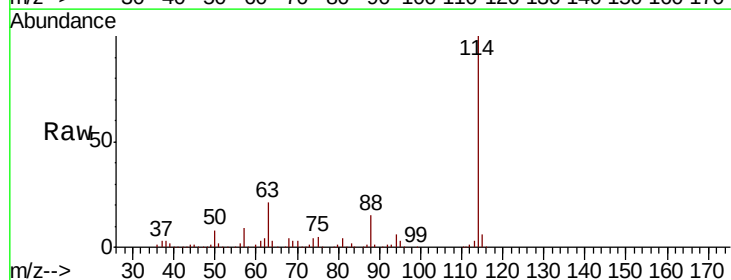
Manual Integrations
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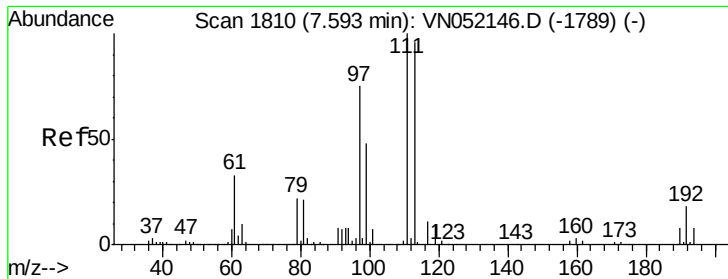
MMDadoda
 11/6/2018 5:58:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052179.D
 Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	513519		
63	21.2	0.0	46.0	
88	14.8	0.0	35.4	





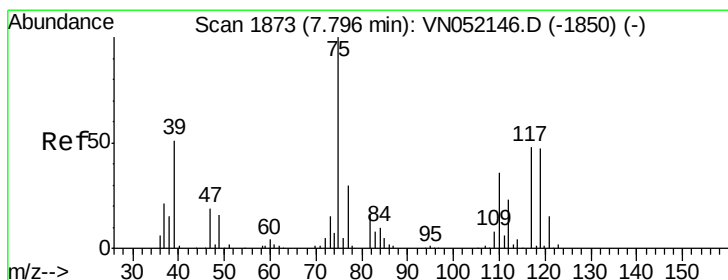
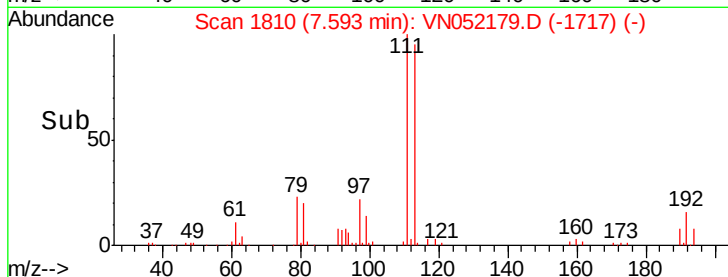
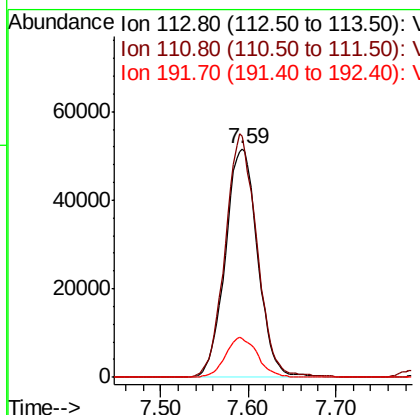
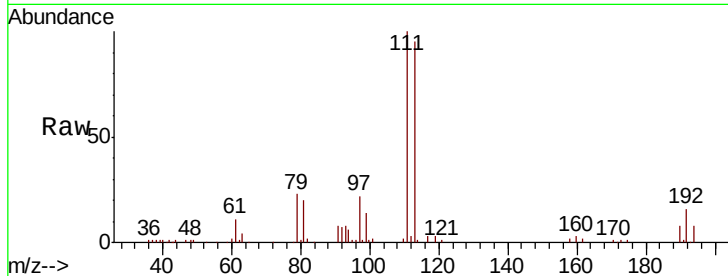
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132303		
111	104.5	83.1	124.7	
192	17.5	12.7	19.1	

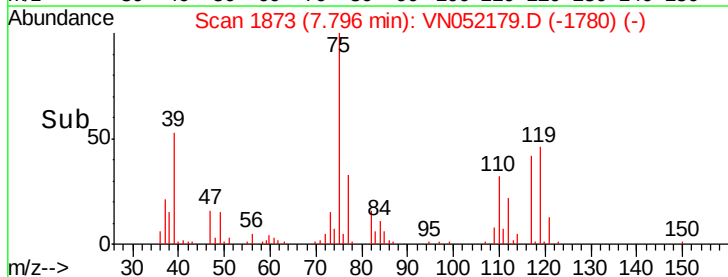
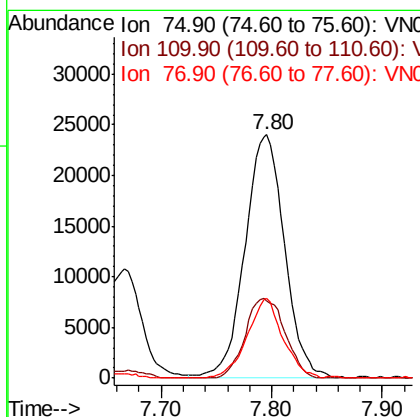
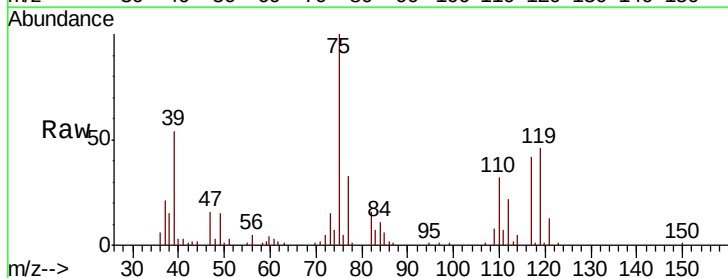
Manual Integrations
APPROVED

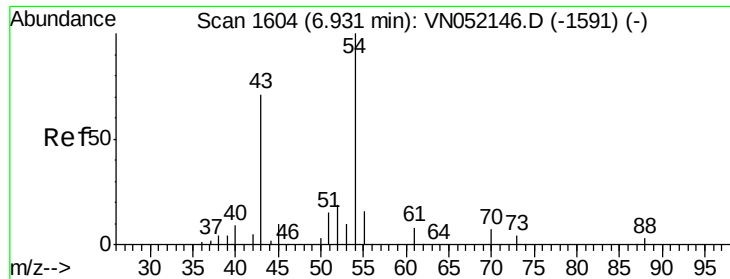
MMDadoda
11/6/2018 5:58:43 PM



#36
1,1-Dichloropropene
Concen: 13.159 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	59776		
110	32.7	16.0	48.0	
77	29.6	24.5	36.7	





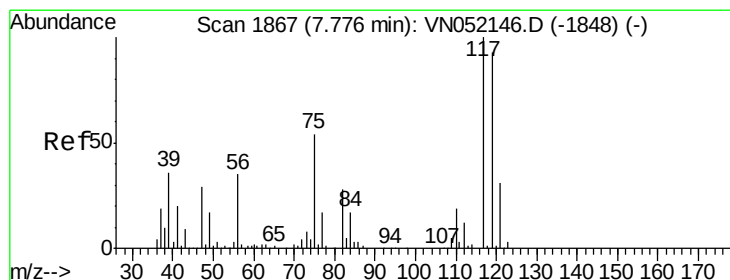
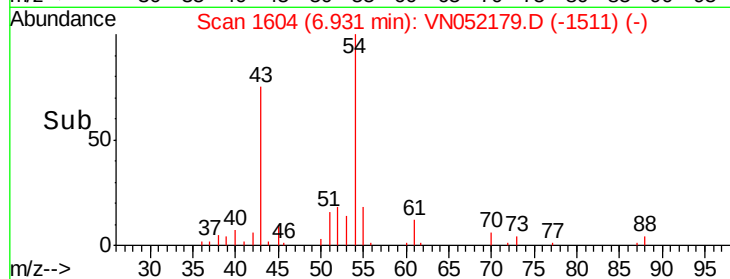
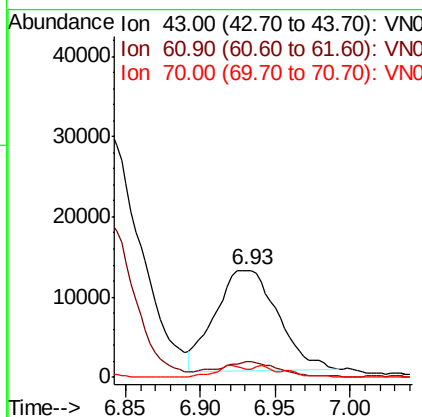
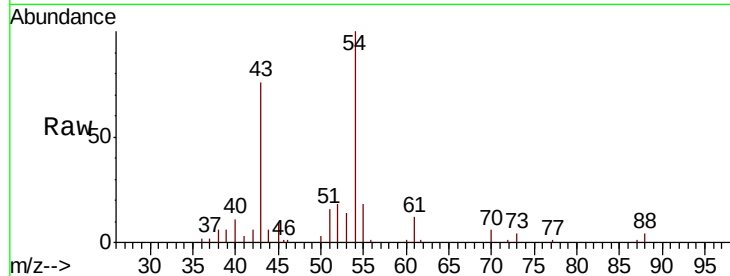
#37
Ethyl Acetate
Concen: 12.783 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampled :
VN1106WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.9	16.3
70	5.3	8.6	12.8

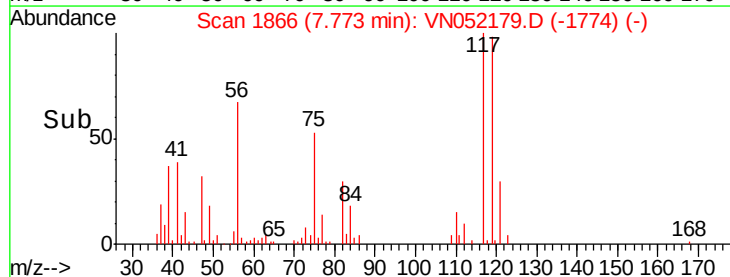
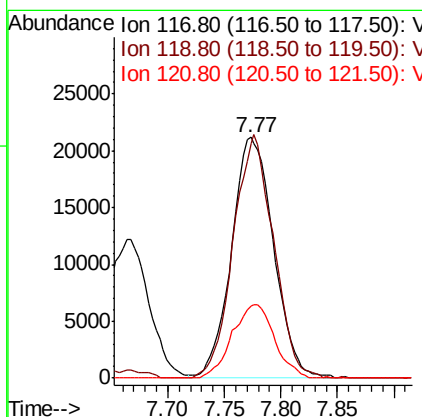
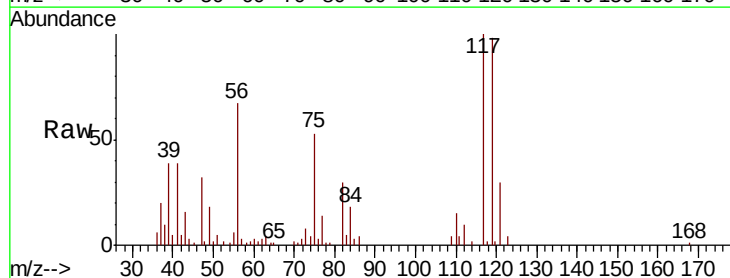
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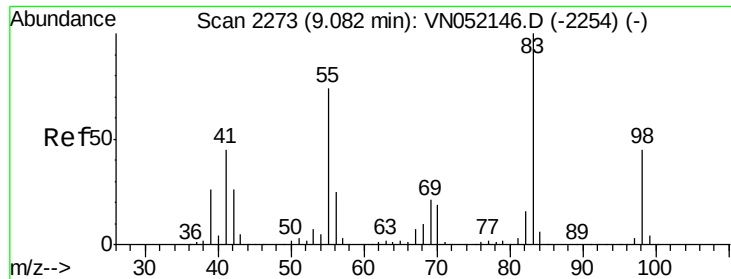
MMDadoda
11/6/2018 5:58:43 PM



#38
Carbon Tetrachloride
Concen: 12.068 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	74.8	112.2
121	29.9	25.1	37.7





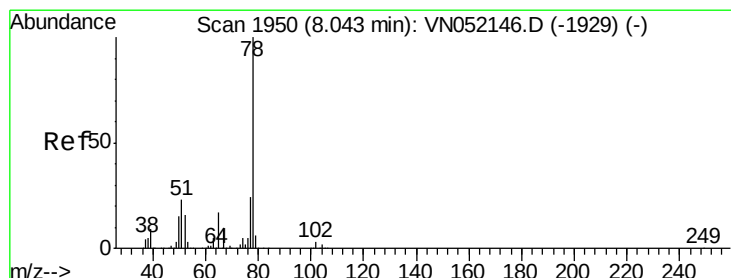
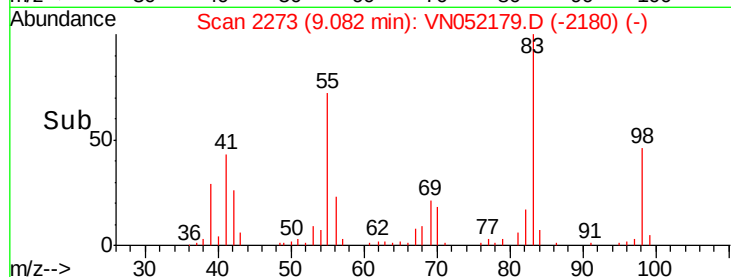
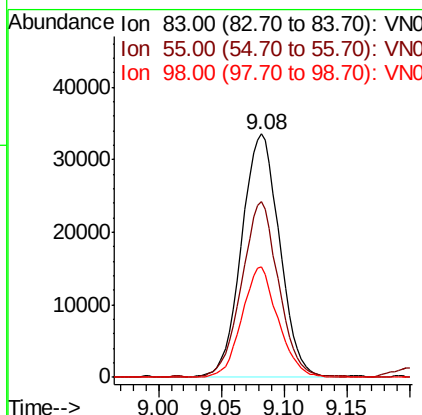
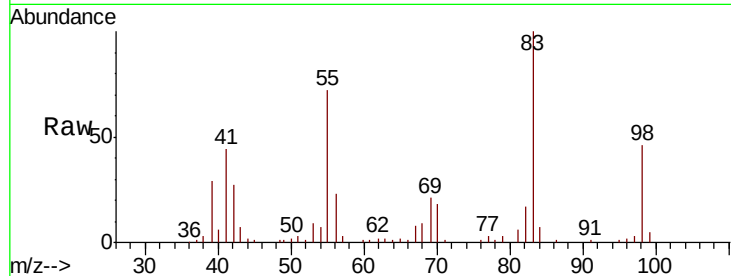
#39
Methylvlcyclohexane
Concen: 13.151 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

Tot Ion	83.00	Resp	70751
Ion Ratio	100	Lower	Upper
83	100		
55	72.0	62.0	93.0
98	45.5	34.7	52.1

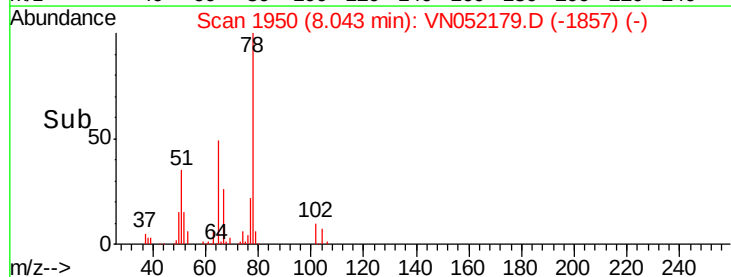
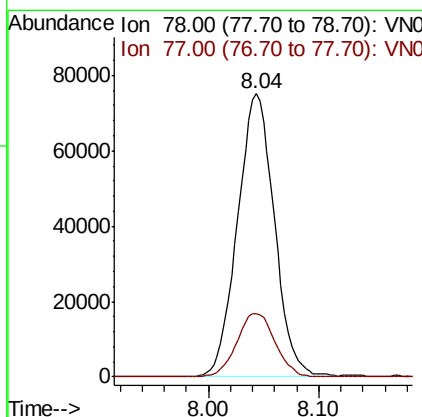
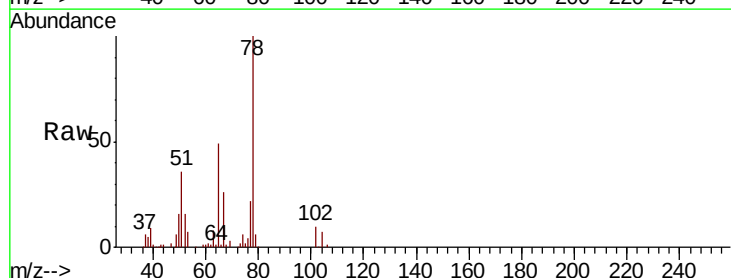
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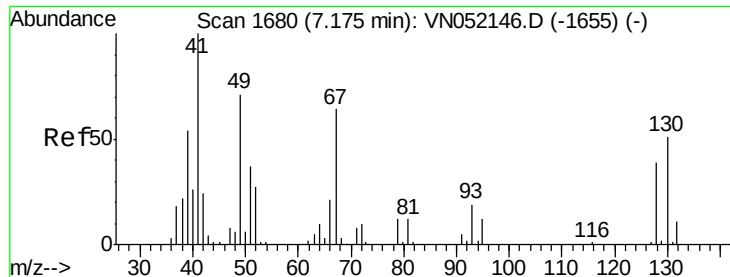
MMDadoda
11/6/2018 5:58:43 PM



#40
Benzene
Concen: 13.057 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion	78.00	Resp	174363
Ion Ratio	100	Lower	Upper
78	100		
77	22.5	19.8	29.6





#41

Methacrylonitrile

Concen: 12.461 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

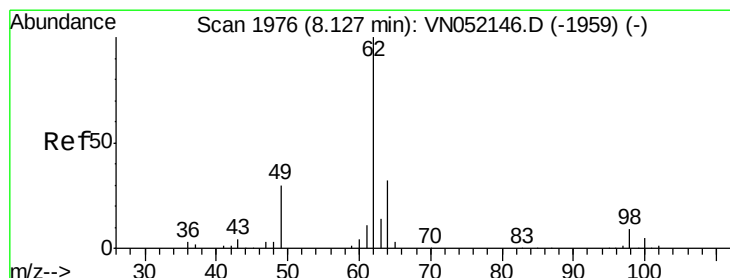
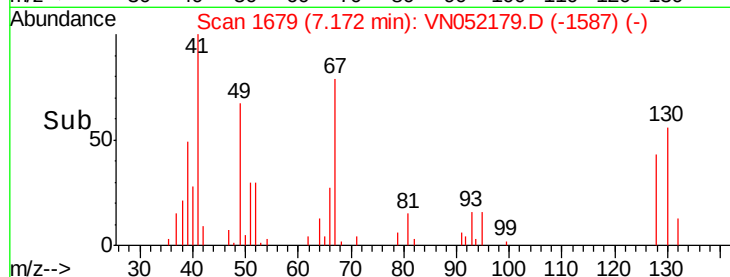
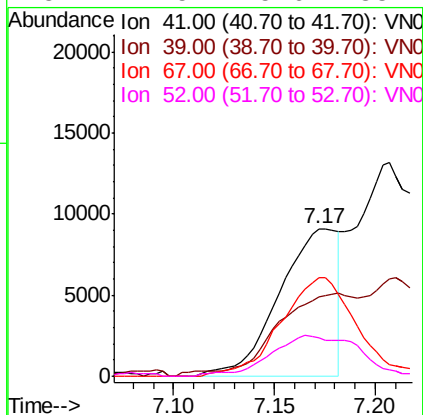
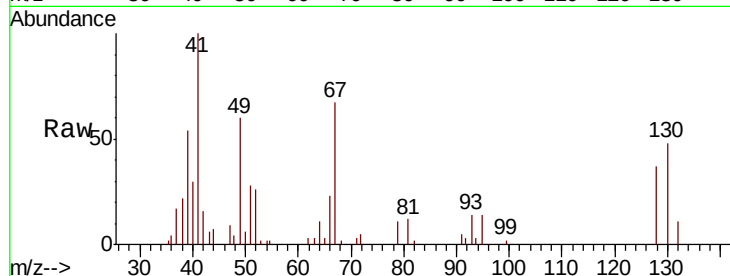
ClientSampleId :

VN1106WBS01

Tot Ion	41	Resp	18321
Ion Ratio	Lower	Upper	
41	100		
39	75.3	33.2	49.8#
67	88.1	63.5	95.3
52	27.5	25.6	38.4

Manual Integrations
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11/6/2018 5:58:43 PM



#42

1,2-Dichloroethane

Concen: 12.650 ug/l

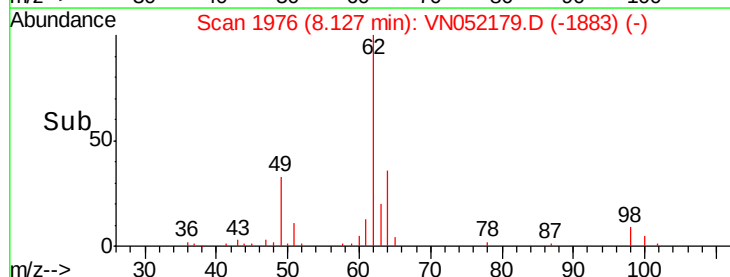
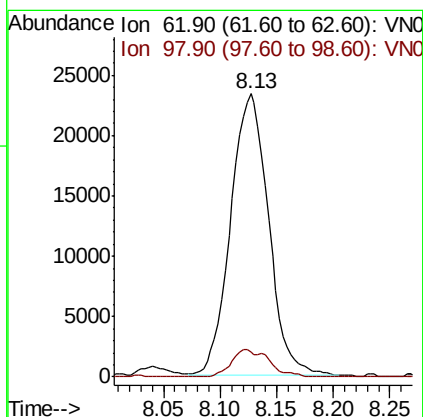
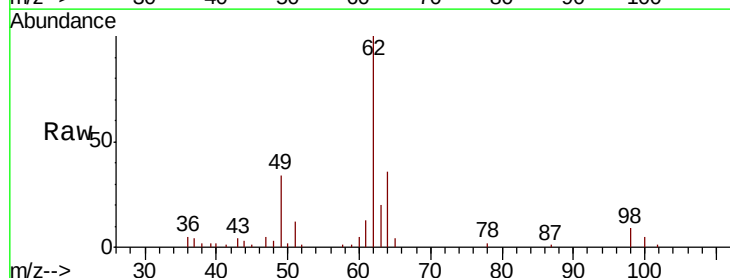
RT: 8.13 min Scan# 1976

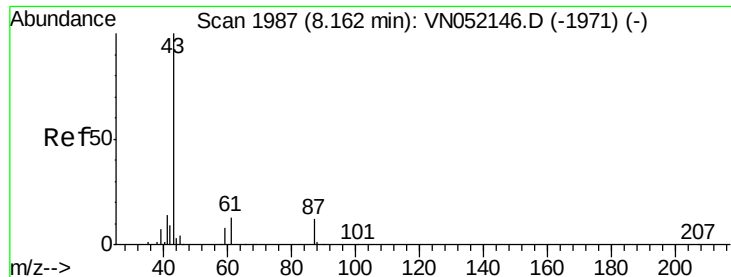
Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Tgt Ion	62	Resp	54307
Ion Ratio	Lower	Upper	
62	100		
98	9.7	0.0	15.2





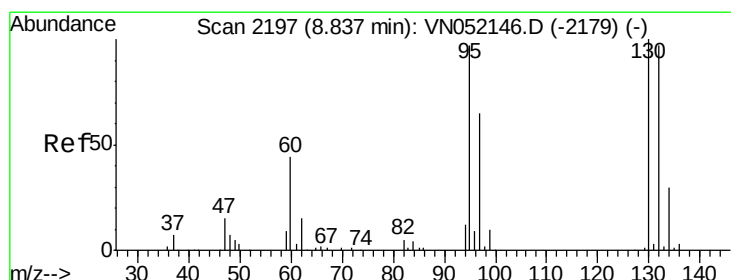
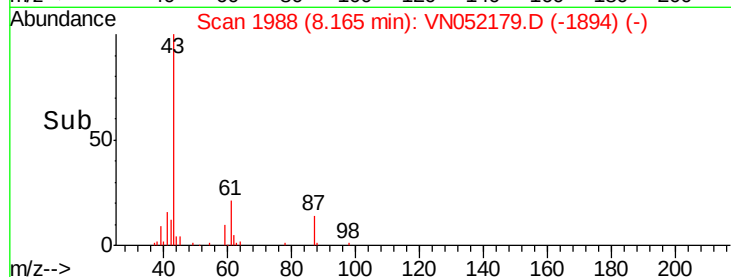
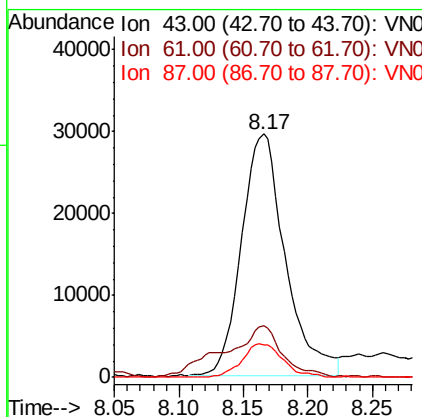
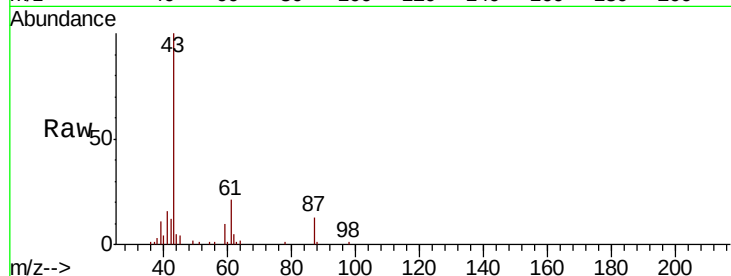
#43
Isopropyl Acetate
Concen: 13.450 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	15.4	23.0
87	13.1	9.8	14.8

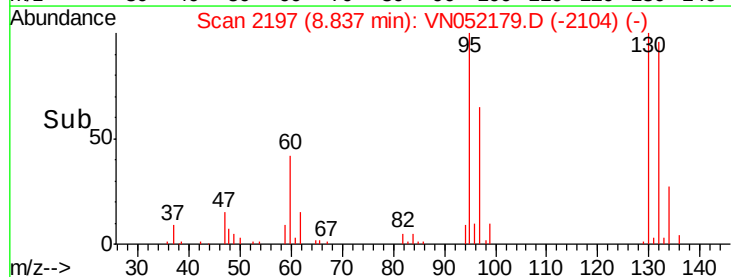
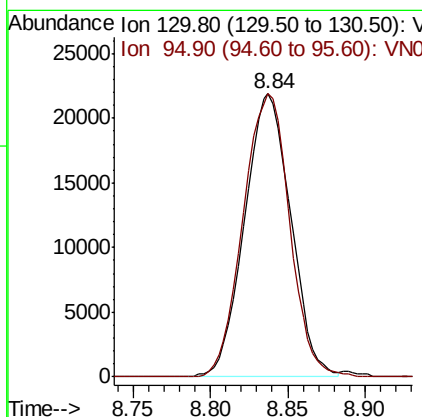
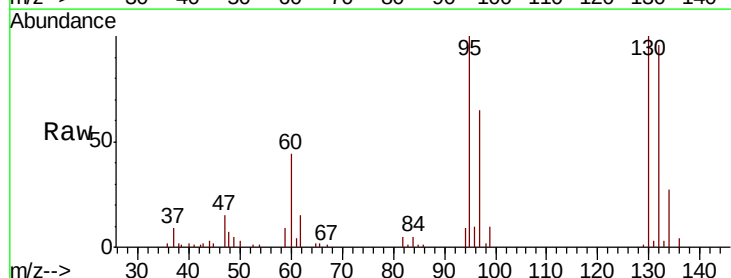
Manual Integrations
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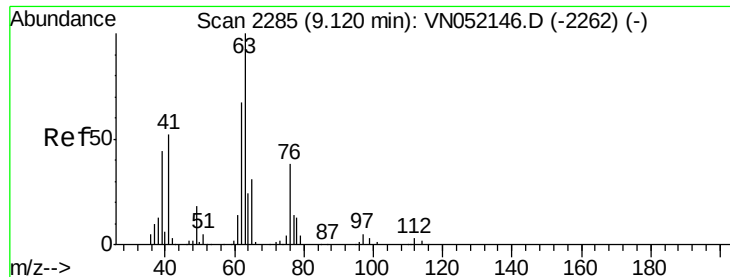
MMDadoda
11/6/2018 5:58:43 PM



#44
Trichloroethene
Concen: 12.879 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	228.4





#45

1,2-Dichloropropane

Concen: 13.144 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

Tot Ion: 63 Resp: 46486

Ion Ratio Lower Upper

63 100

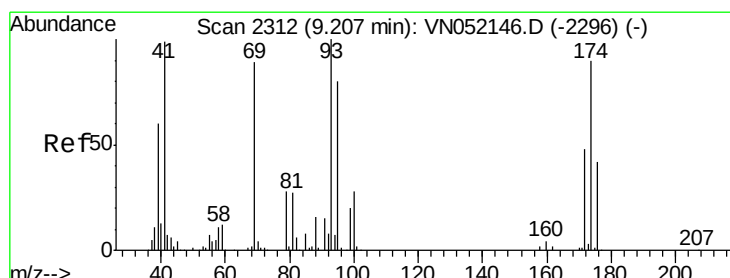
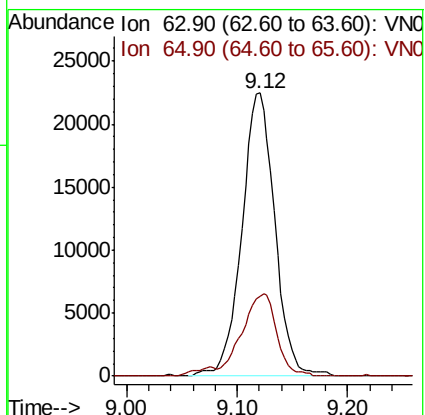
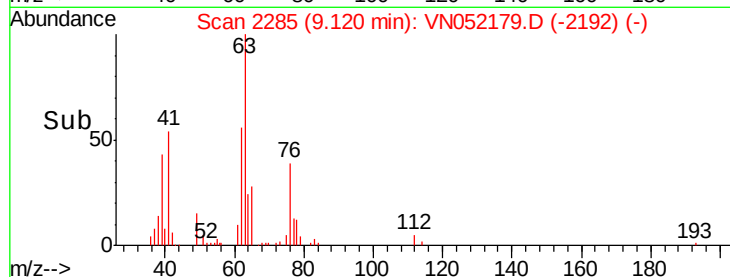
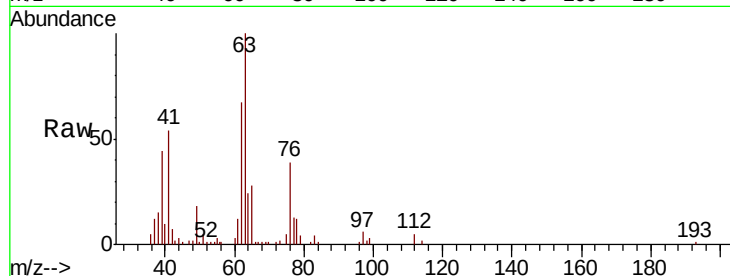
65 28.1 24.5 36.7

Manual Integrations

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11/6/2018 5:58:43 PM



#46

Dibromomethane

Concen: 12.794 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

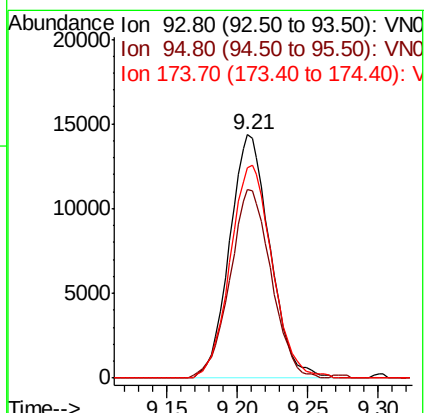
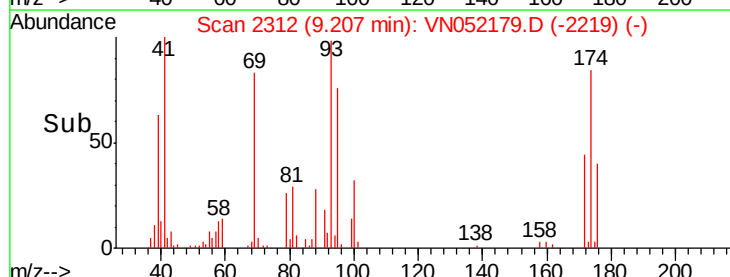
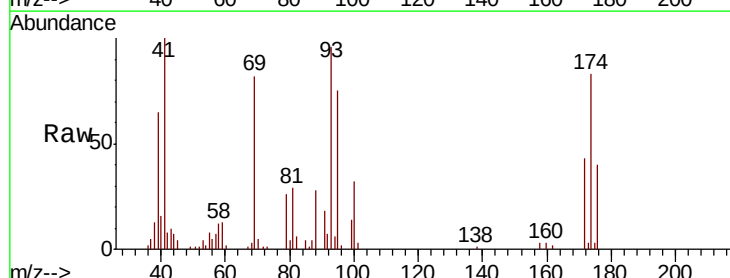
Tgt Ion: 93 Resp: 28775

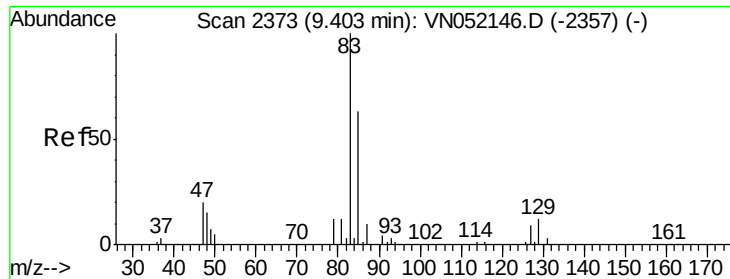
Ion Ratio Lower Upper

93 100

95 78.9 67.2 100.8

174 90.7 59.7 89.5#





#47

Bromodichloromethane

Concen: 12.618 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

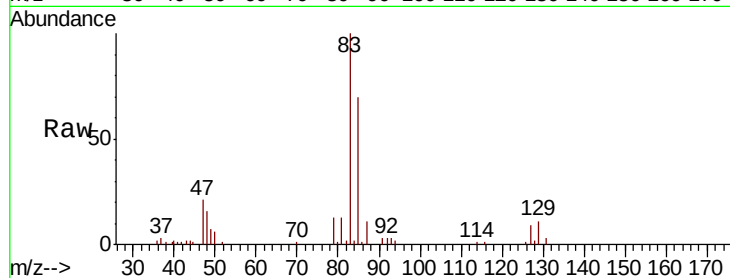
ClientSampleId :

VN1106WBS01

Tot Ion:	83	Resp:	55348
Ion Ratio	Lower	Upper	
83	100		
85	70.2	49.4	74.2
127	8.7	5.8	8.8

Manual Integrations
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11/6/2018 5:58:43 PM

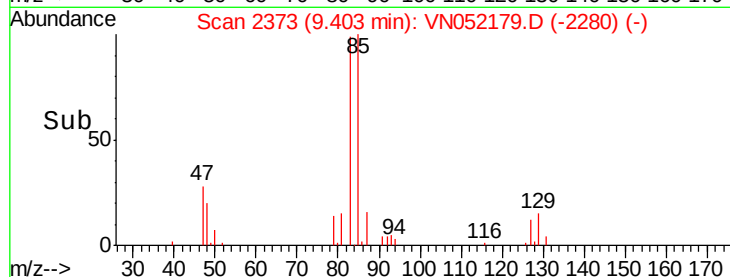


Abundance Ion 82.90 (82.60 to 83.60): VN052179.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052179.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052179.D (-2280) (-)

Time-->



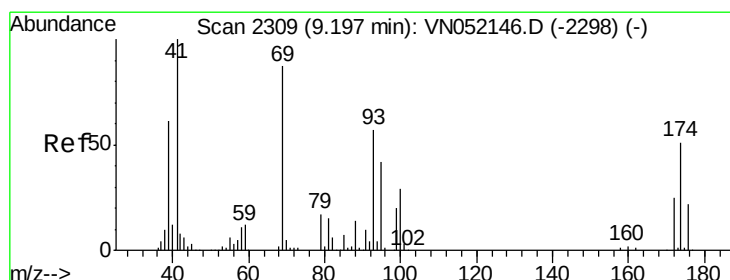
Abundance

Ion 82.90 (82.60 to 83.60): VN052179.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052179.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052179.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 13.858 ug/l

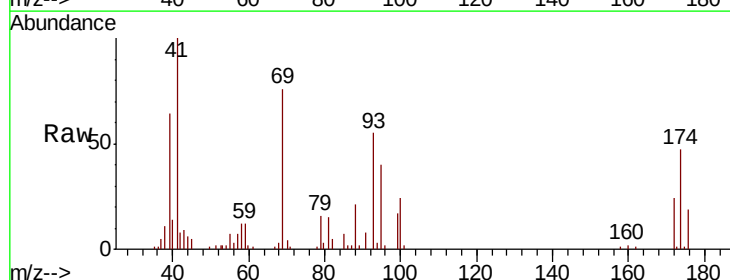
RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Tgt Ion:	41	Resp:	34571
Ion Ratio	Lower	Upper	
41	100		
69	83.1	67.1	100.7
39	64.5	50.5	75.7

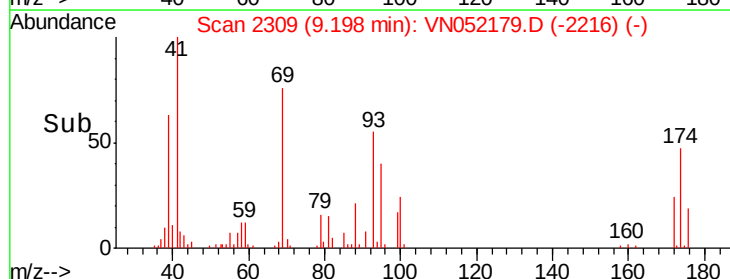


Abundance Ion 41.00 (40.70 to 41.70): VN052179.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052179.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052179.D (-2216) (-)

Time-->



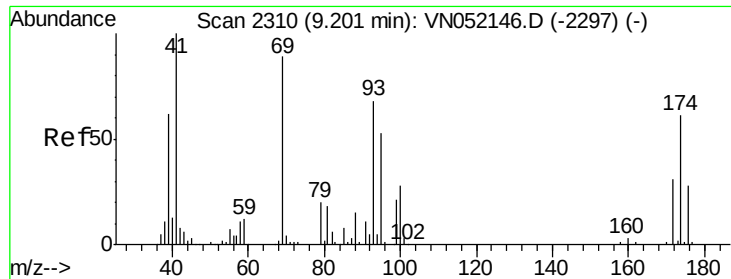
Abundance

Ion 41.00 (40.70 to 41.70): VN052179.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052179.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052179.D (-2216) (-)

Time-->



#49

1,4-Dioxane

Concen: 385.779 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

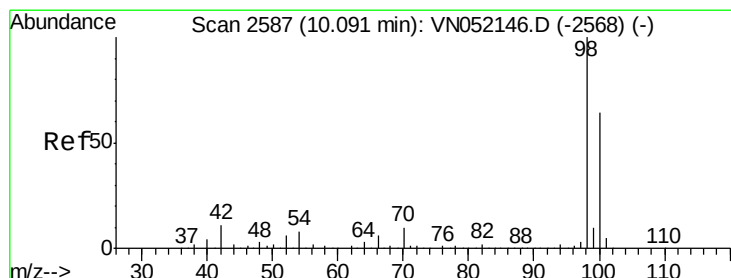
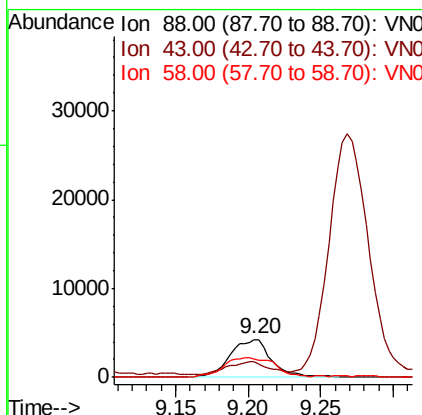
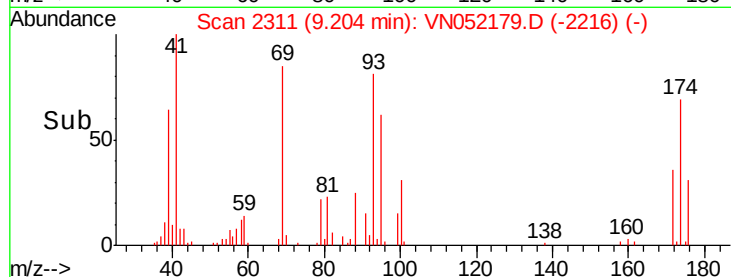
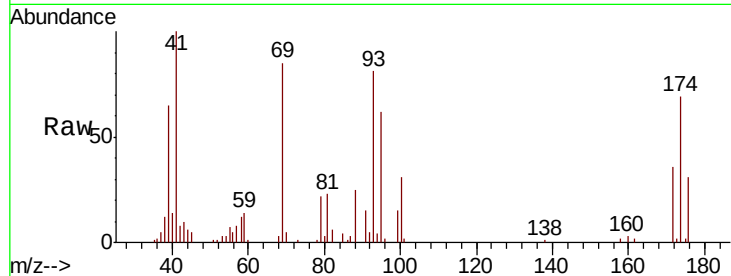
VN1106WBS01

Tot Ion: 88 Resp: 8400

Ion	Ratio	Lower	Upper
88	100		
43	33.1	34.1	51.1#
58	65.0	62.8	94.2

Manual Integrations
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#50

Toluene-d8

Concen: 385.779 ug/l

RT: 10.09 min Scan# 2587

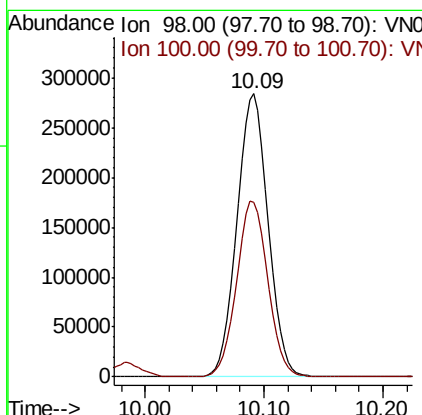
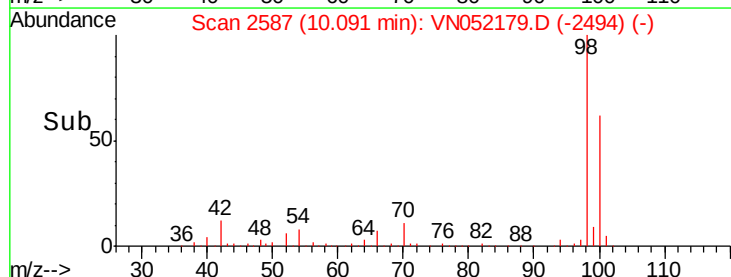
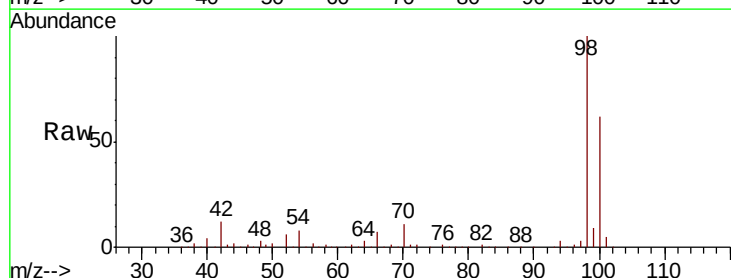
Delta R.T. 0.00 min

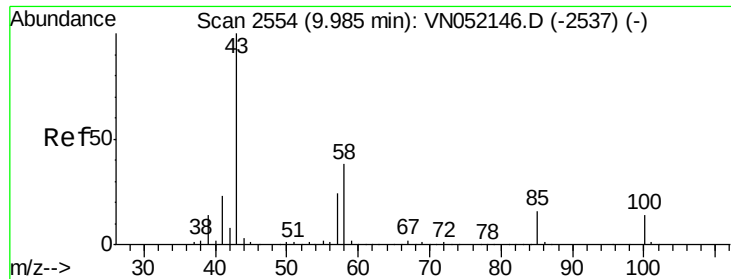
Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Tgt Ion: 98 Resp: 515466

Ion	Ratio	Lower	Upper
98	100		
100	62.4	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 68.404 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

Tot Ion: 43 Resp: 187314

Ion Ratio Lower Upper

43 100

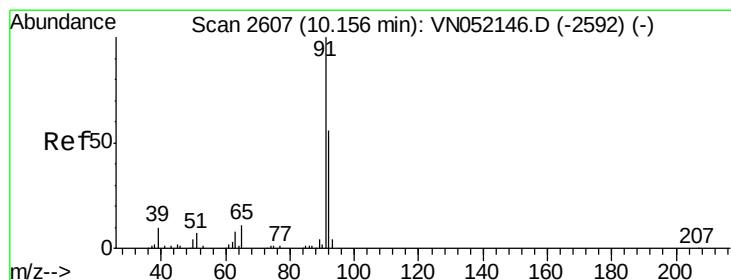
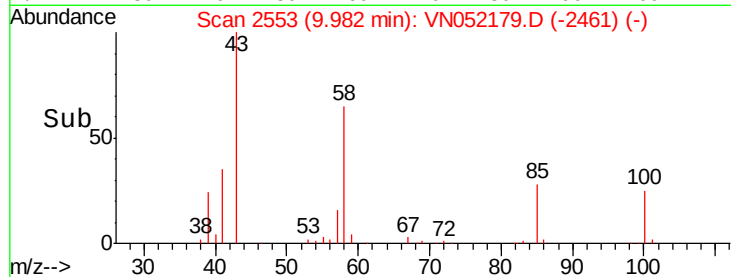
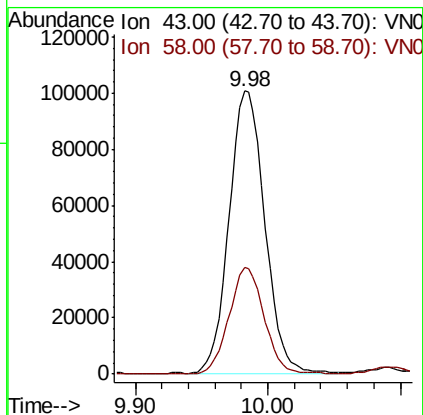
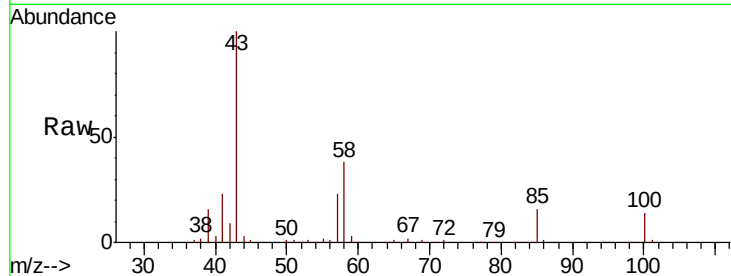
58 37.3 29.7 44.5

Manual Integrations

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#52

Toluene

Concen: 13.178 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052179.D

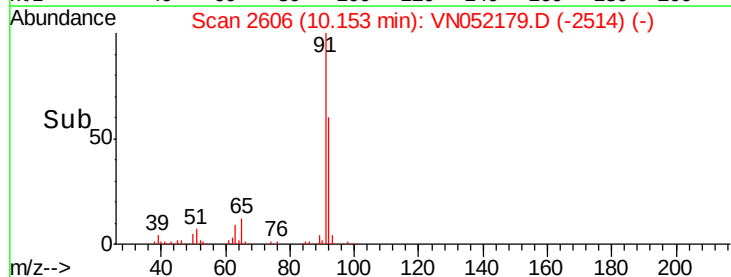
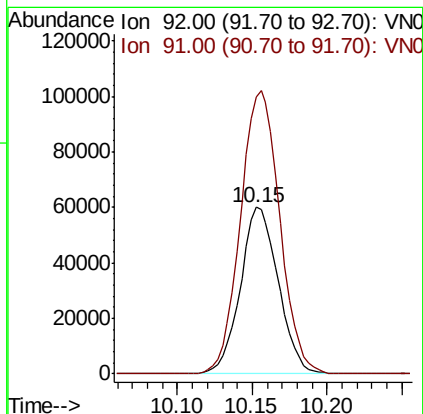
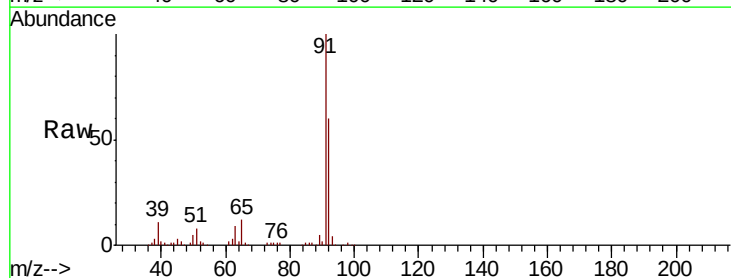
Acq: 6 Nov 2018 9:27

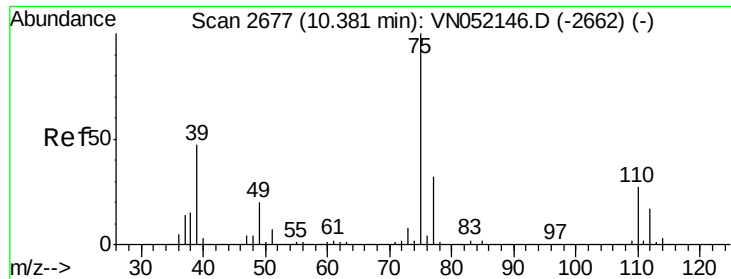
Tgt Ion: 92 Resp: 106121

Ion Ratio Lower Upper

92 100

91 176.2 143.9 215.9





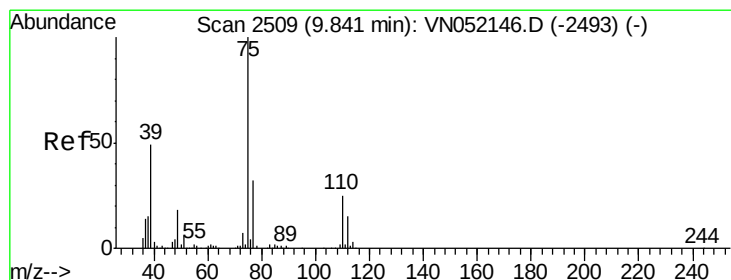
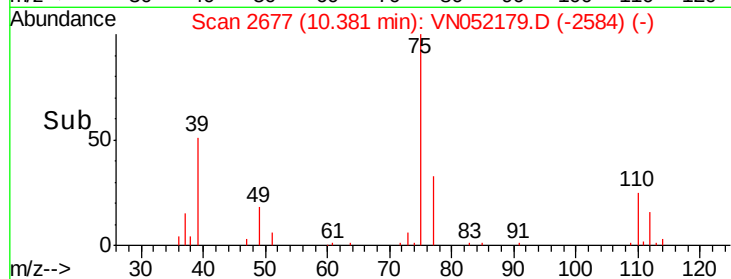
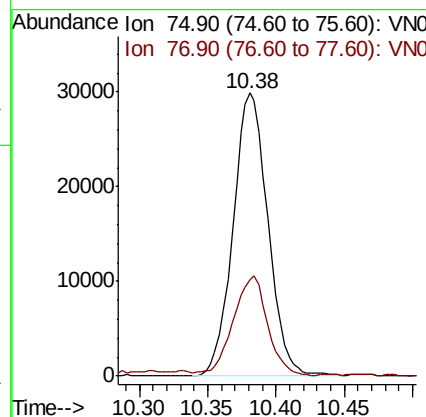
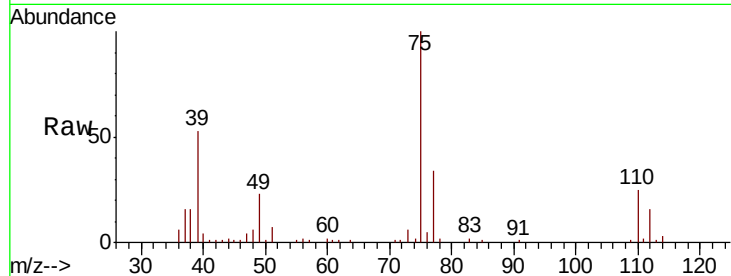
#53
t-1,3-Dichloropropene
Concen: 12.321 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

Tot Ion: 75 Resp: 53018
Ion Ratio Lower Upper
75 100
77 34.3 25.6 38.4

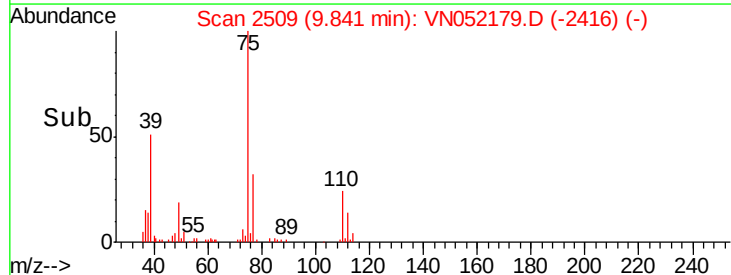
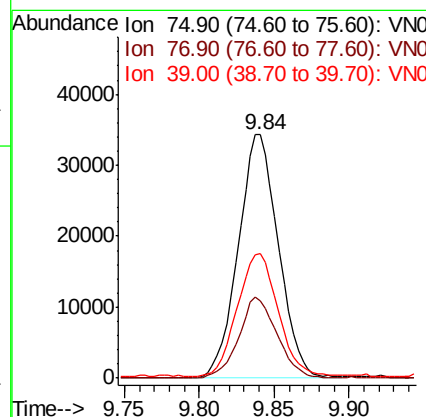
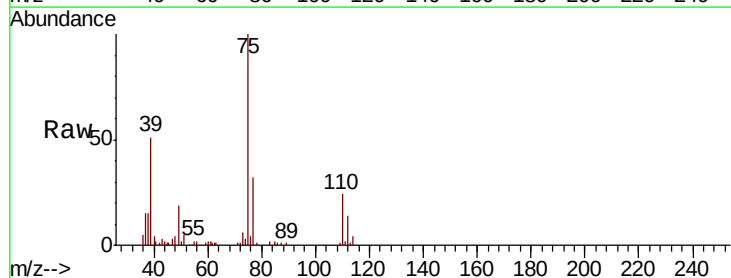
Manual Integrations
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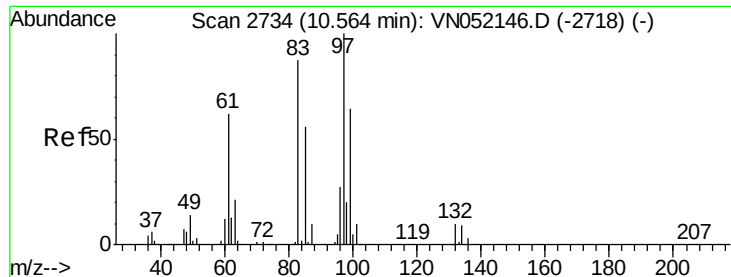
MMDadoda
11/6/2018 5:58:43 PM



#54
cis-1,3-Dichloropropene
Concen: 12.719 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion: 75 Resp: 64046
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4
39 50.5 42.3 63.5





#55

1,1,2-Trichloroethane

Concen: 13.709 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

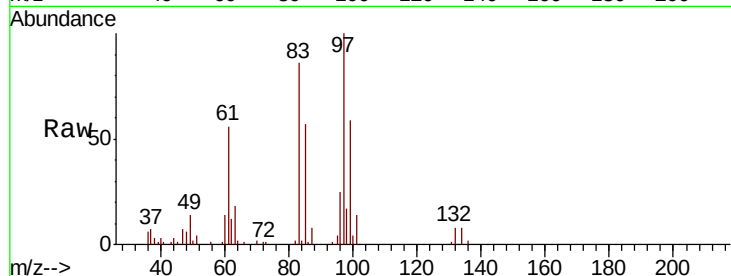
ClientSampleId :

VN1106WBS01

Tot Ion:	97	Resp:	38924
Ion	Ratio	Lower	Upper
97	100		
83	85.9	73.8	110.8
85	56.6	48.4	72.6
99	59.4	48.6	72.8

Manual Integrations
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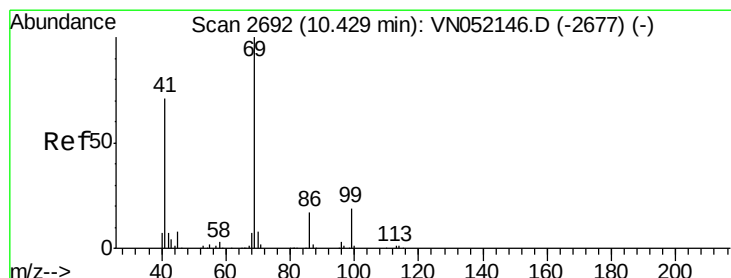
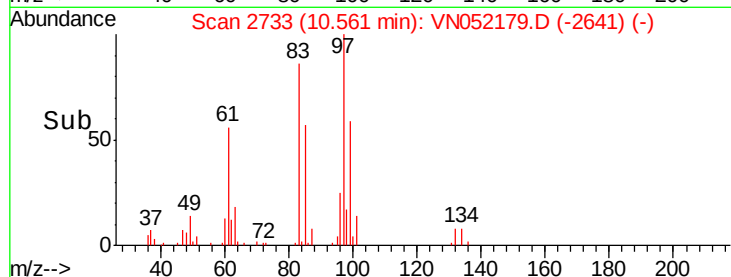
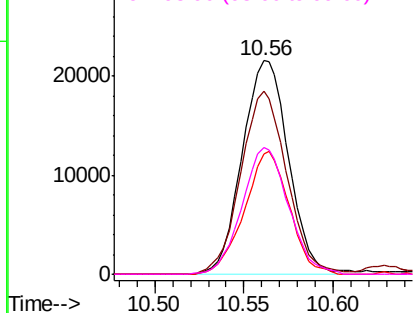
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 12.854 ug/l

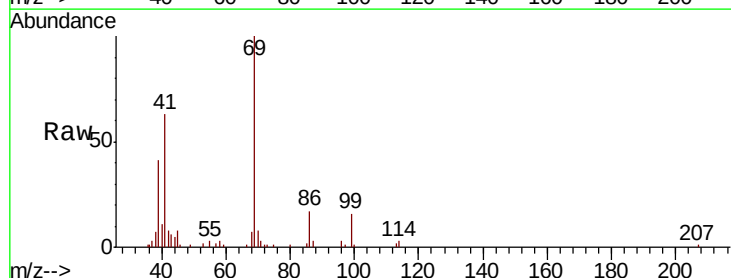
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Tgt Ion:	69	Resp:	47572
Ion	Ratio	Lower	Upper
69	100		
41	65.8	55.5	83.3
39	37.7	33.0	49.4

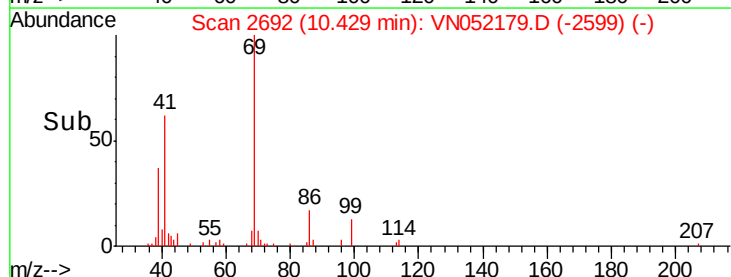
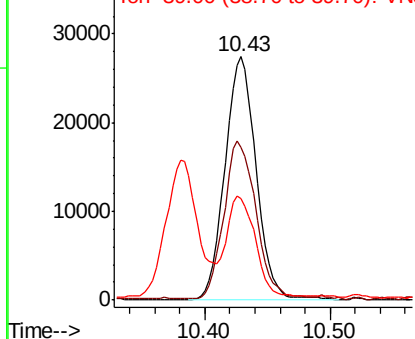


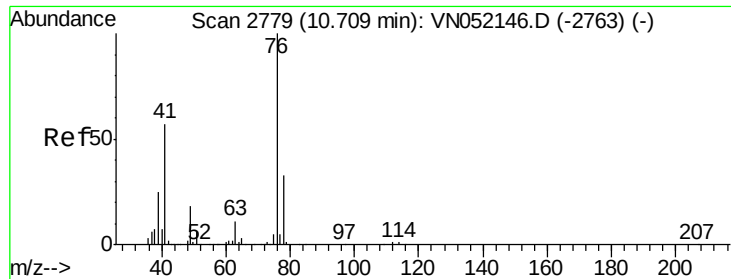
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 12.820 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

Tot Ion: 76 Resp: 64124

Ion Ratio Lower Upper

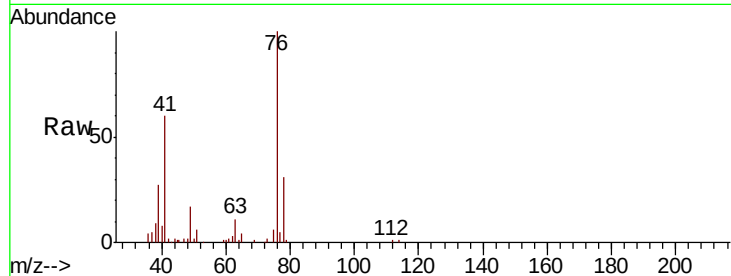
76 100

78 33.1 25.4 38.0

Manual Integrations
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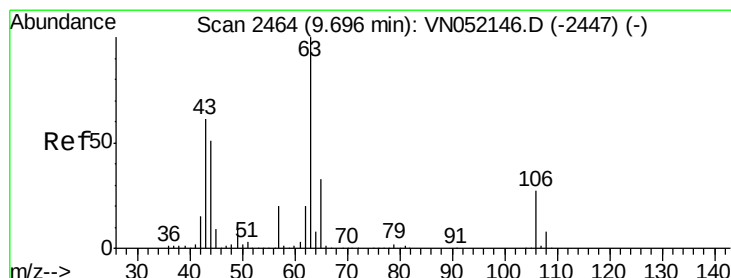
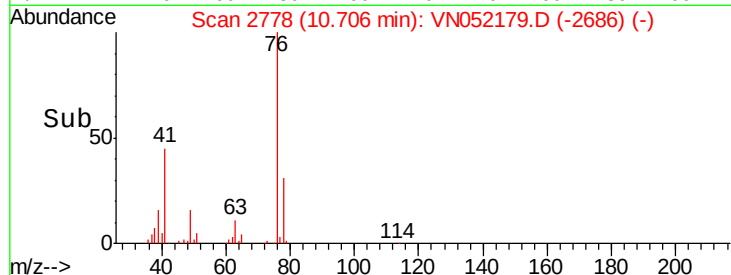
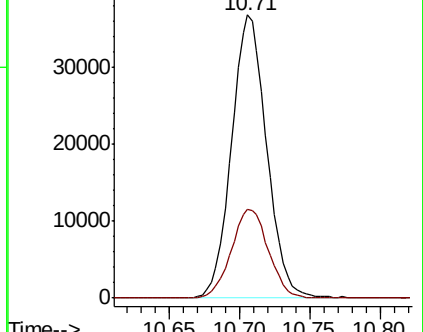
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 77.755 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052179.D

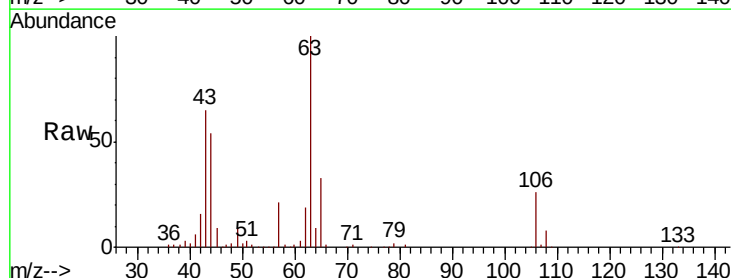
Acq: 6 Nov 2018 9:27

Tgt Ion: 63 Resp: 154863

Ion Ratio Lower Upper

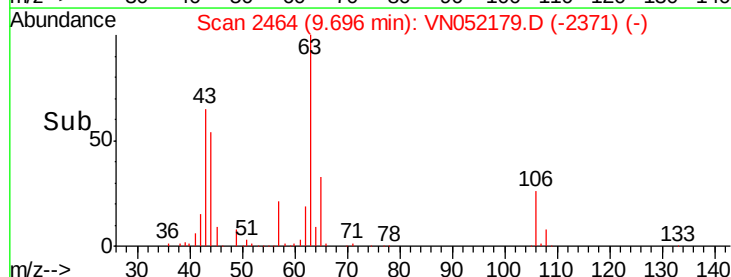
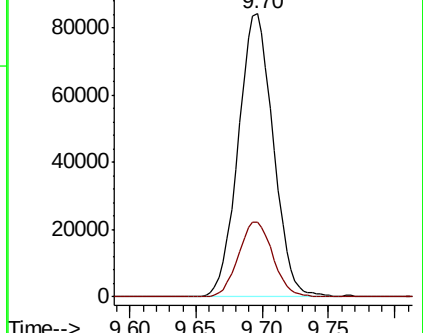
63 100

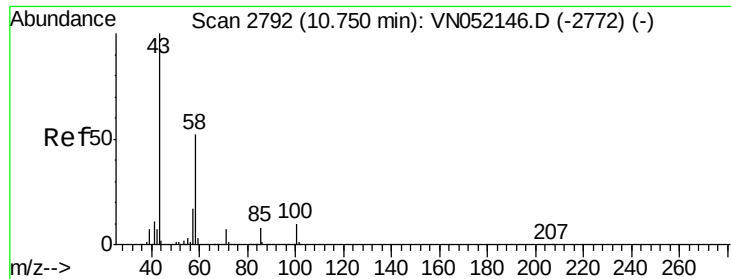
106 26.0 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





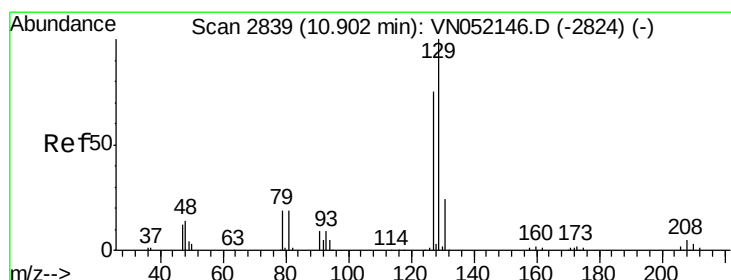
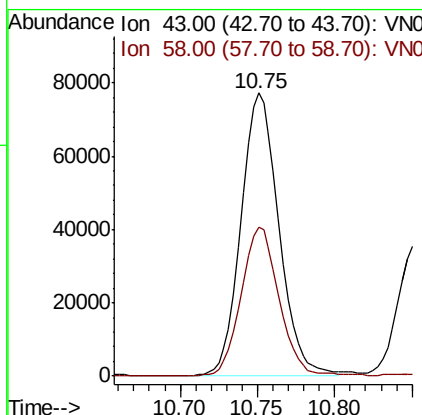
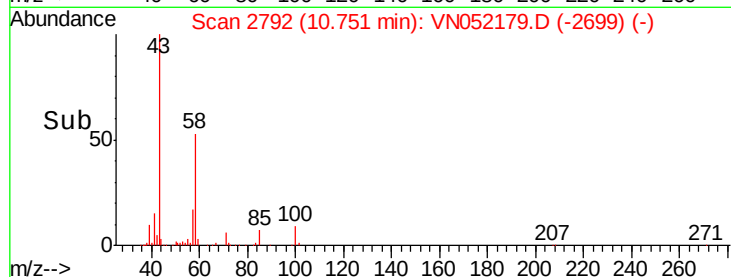
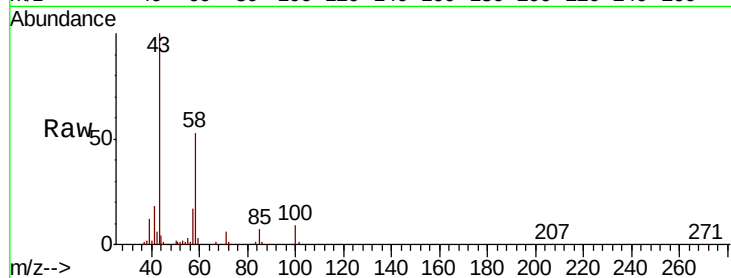
#59
2-Hexanone
Concen: 68.647 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

Tot Ion: 43 Resp: 130857
Ion Ratio Lower Upper
43 100
58 53.3 25.2 75.6

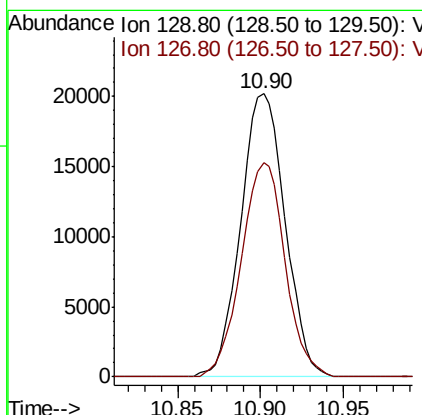
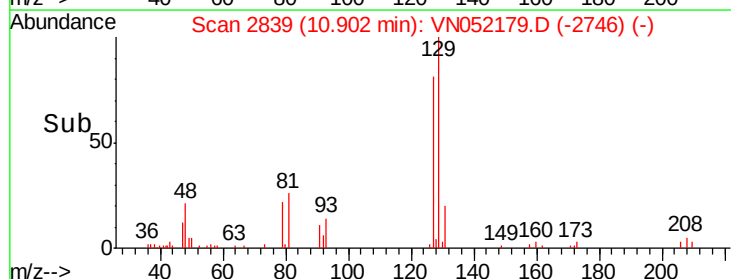
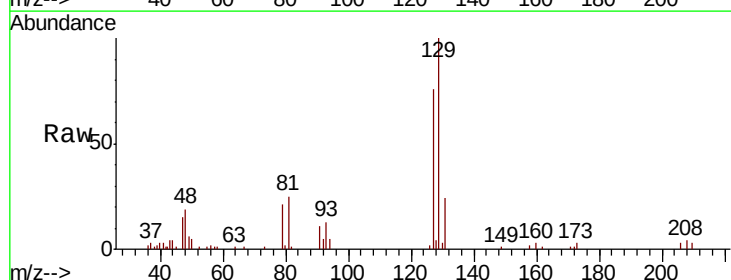
Manual Integrations
APPROVED

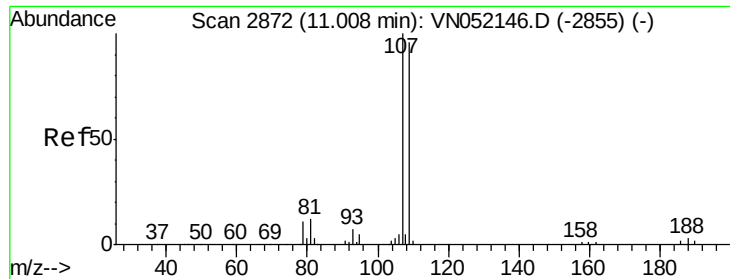
MMDadoda
11/6/2018 5:58:43 PM



#60
Dibromochloromethane
Concen: 11.641 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion: 129 Resp: 37585
Ion Ratio Lower Upper
129 100
127 74.7 38.5 115.5





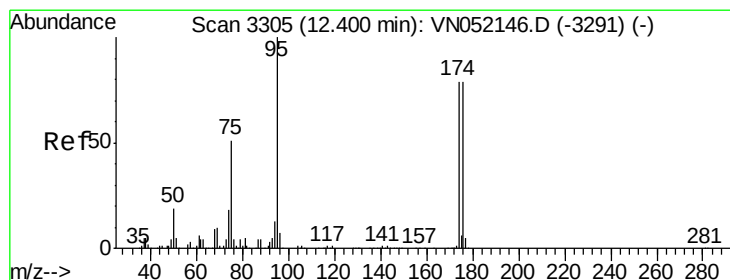
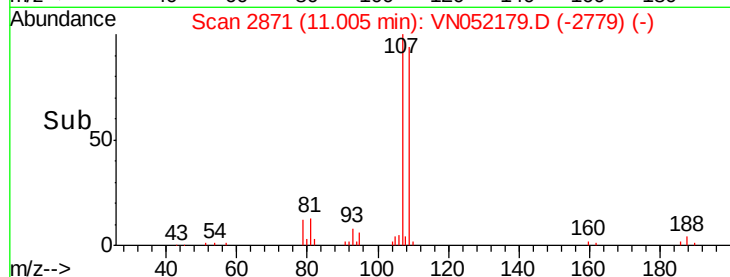
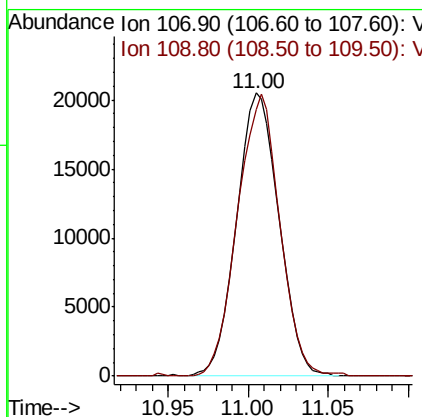
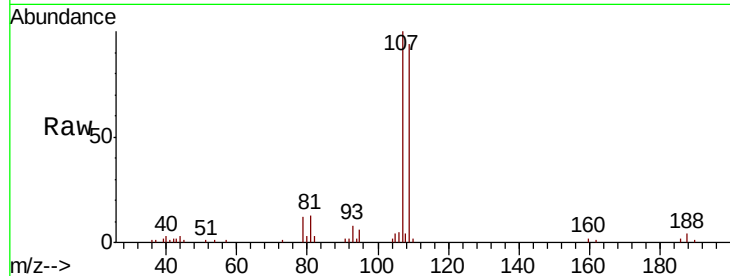
#61
 1,2-Dibromoethane
 Concen: 12.865 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052179.D
 Acq: 6 Nov 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	37077		
109	99.1	75.1	112.7	

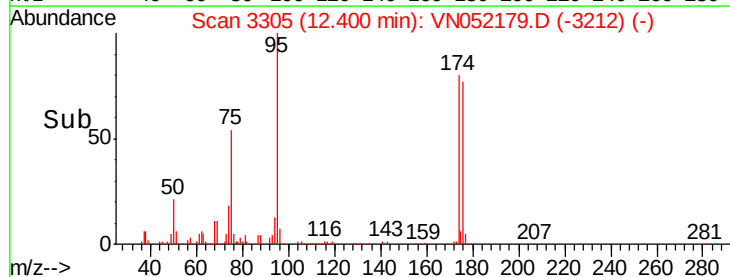
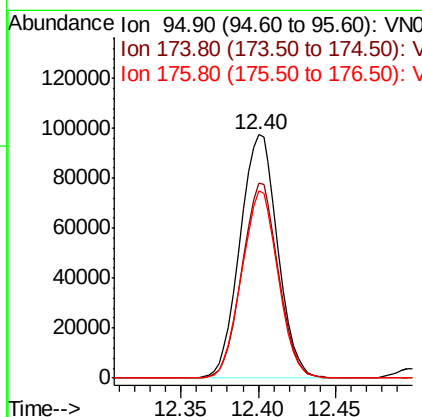
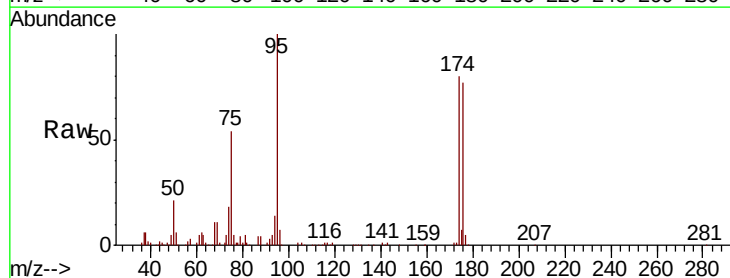
Manual Integrations
 APPROVED

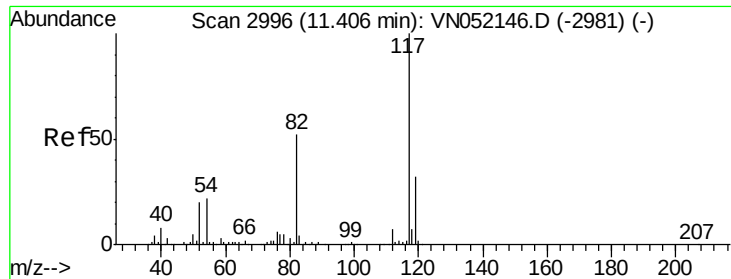
MMDadoda
 11/6/2018 5:58:43 PM



#62
 4-Bromofluorobenzene
 Concen: 12.865 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052179.D
 Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	165235		
174	77.4	0.0	131.8	
176	74.6	0.0	126.0	





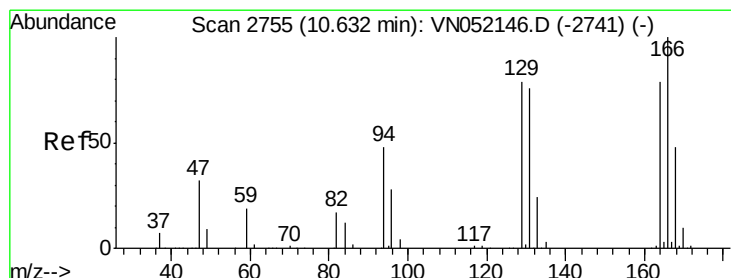
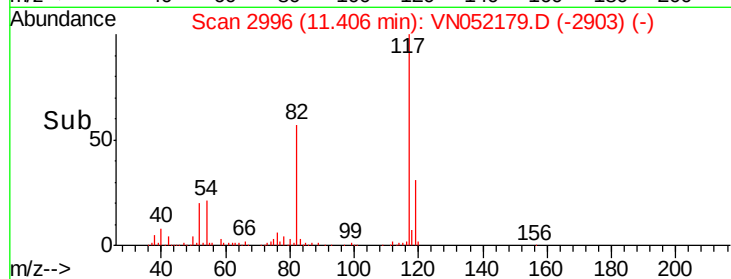
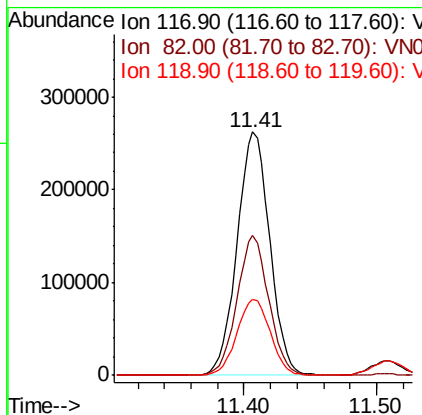
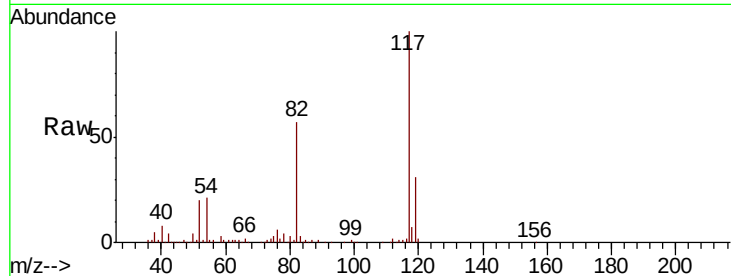
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	49.9	74.9
119	31.1	25.7	38.5

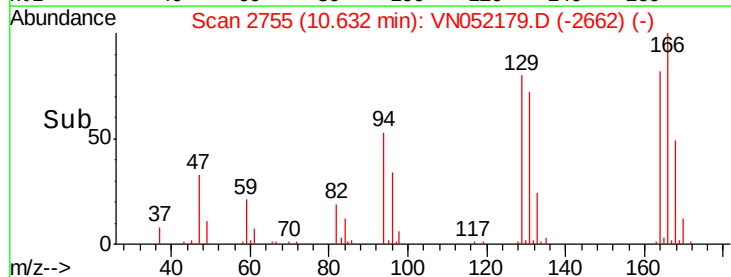
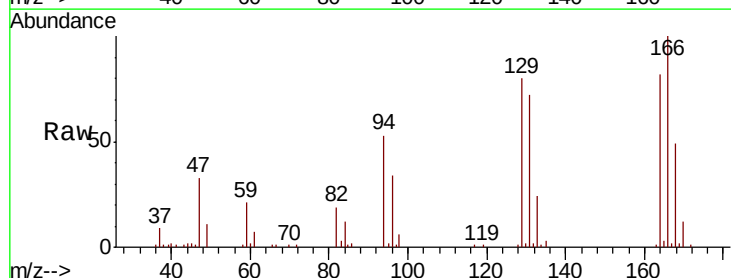
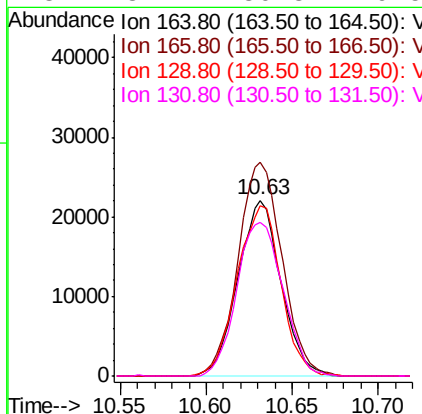
Manual Integrations
APPROVED

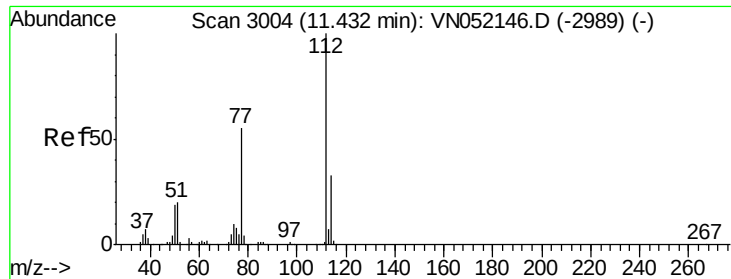
MMDadoda
11/6/2018 5:58:43 PM



#64
Tetrachloroethene
Concen: 13.214 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.7	105.4	158.0
129	97.4	86.1	129.1
131	87.2	80.3	120.5





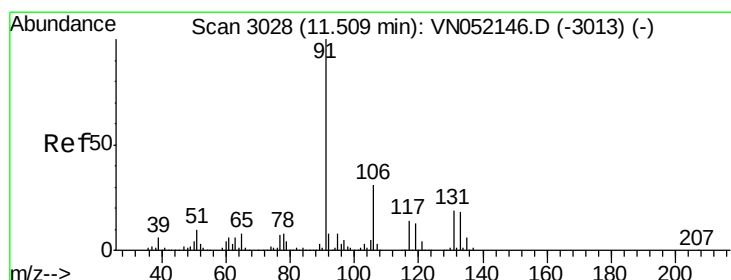
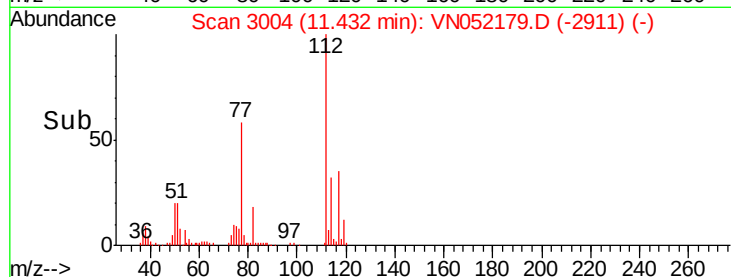
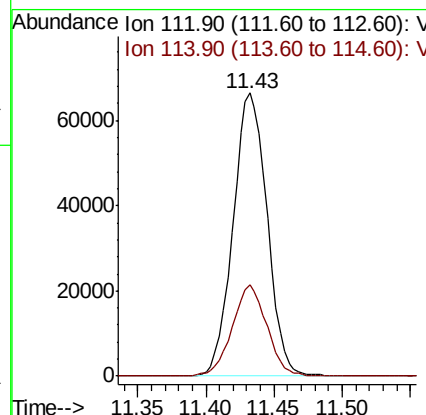
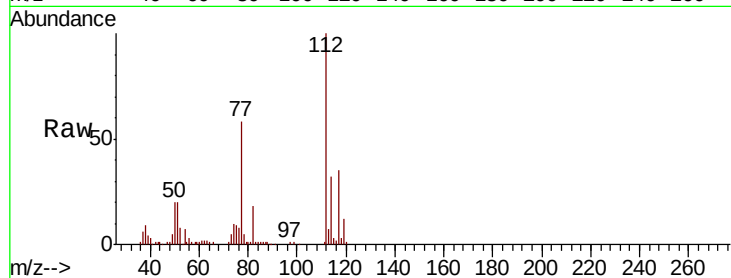
#65
Chlorobenzene
Concen: 12.552 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampled :
VN1106WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	114857		
114	32.2	25.1	37.7	

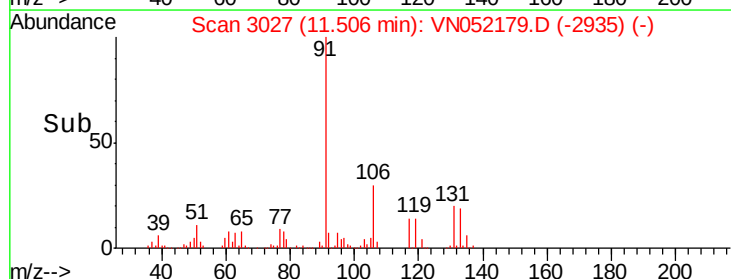
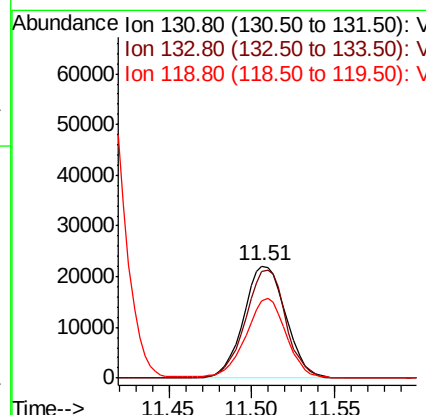
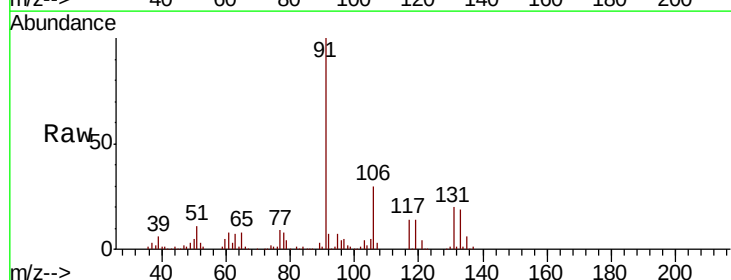
Manual Integrations
APPROVED

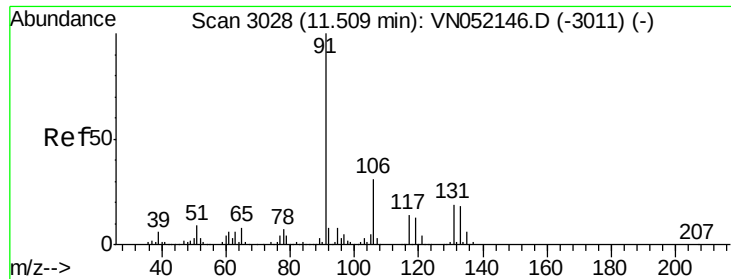
MMDadoda
11/6/2018 5:58:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 12.745 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	39165		
133	91.9	47.6	142.9	
119	68.4	34.4	103.2	





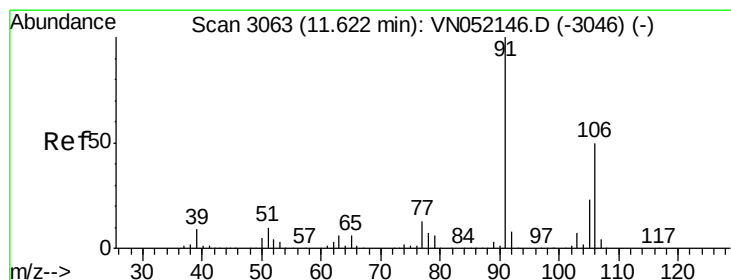
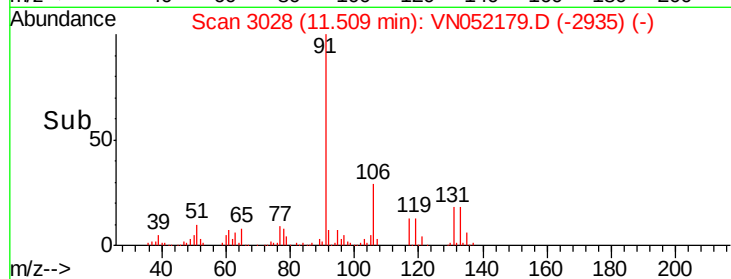
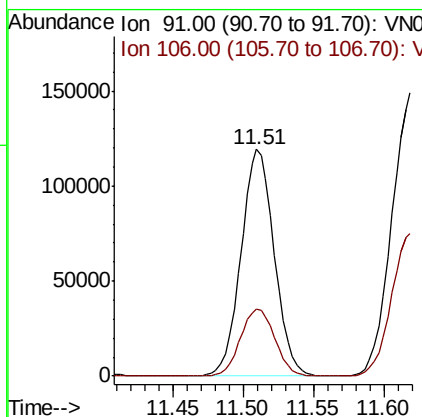
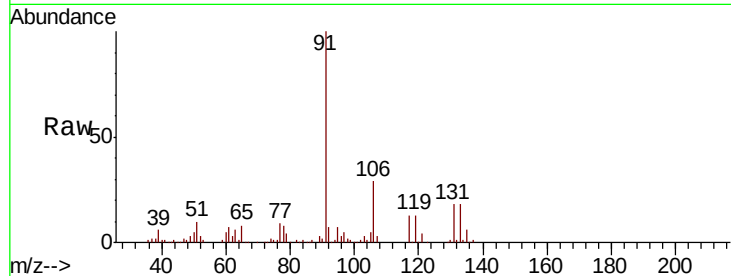
#67
Ethyl Benzene
Concen: 12.953 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampled :
VN1106WBS01

Tot Ion	91	Resp	196861
Ion Ratio	100	Lower	Upper
106	29.4	24.1	36.1

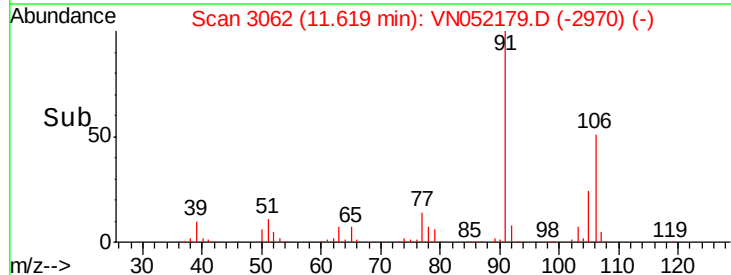
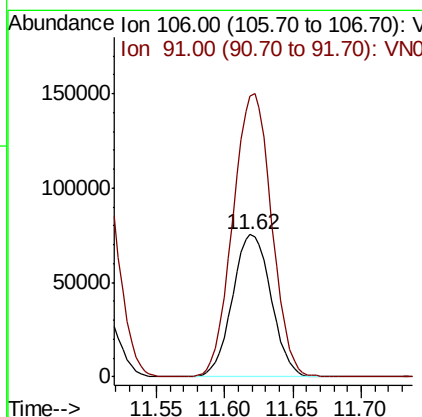
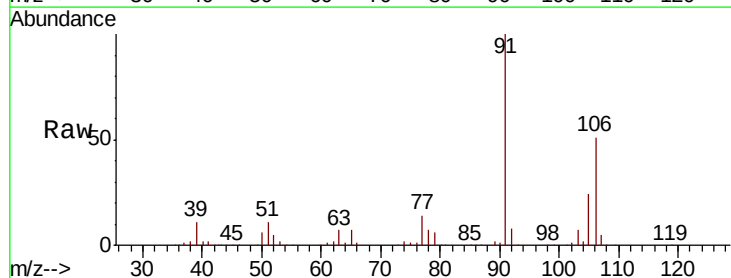
Manual Integrations
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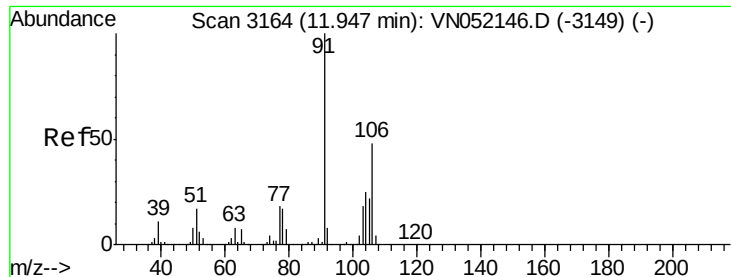
MMDadoda
11/6/2018 5:58:43 PM



#68
m/p-Xylenes
Concen: 25.238 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion	106	Resp	148002
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	200.2	168.7	253.1





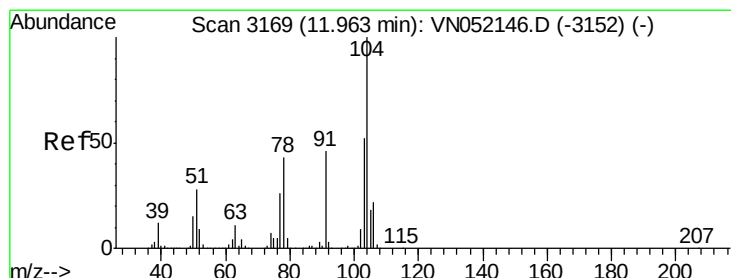
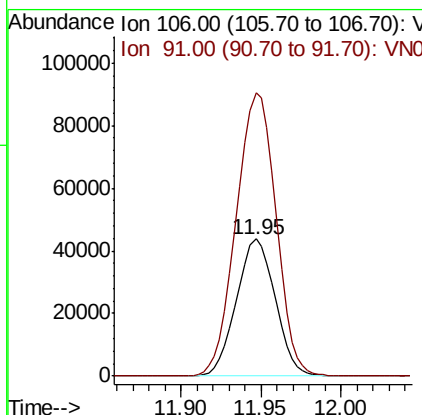
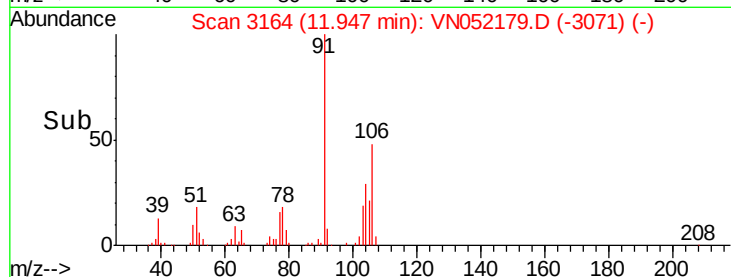
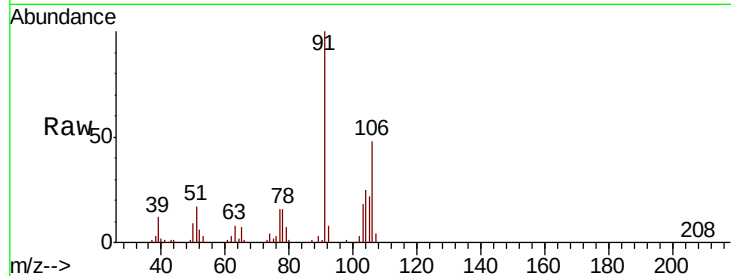
#69
o-Xylene
Concen: 12.740 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampled :
VN1106WBS01

Tot Ion:106 Resp: 72457
Ion Ratio Lower Upper
106 100
91 211.7 109.6 328.6

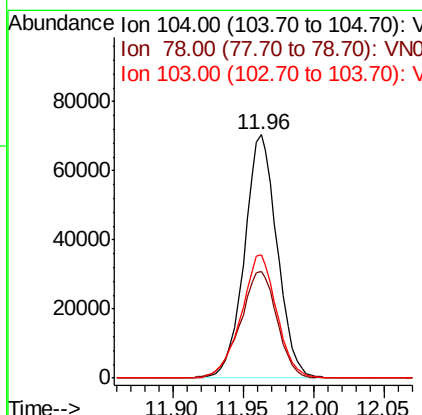
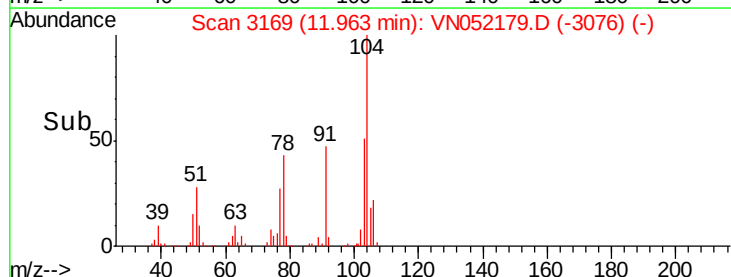
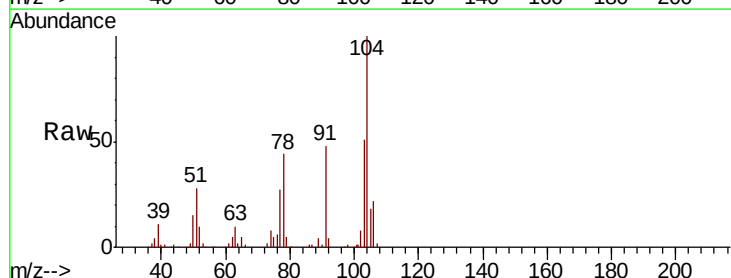
Manual Integrations
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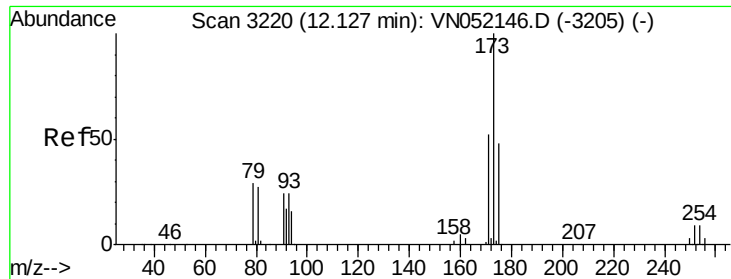
MMDadoda
11/6/2018 5:58:43 PM



#70
Styrene
Concen: 12.717 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion:104 Resp: 114489
Ion Ratio Lower Upper
104 100
78 49.4 43.0 64.6
103 54.8 45.1 67.7





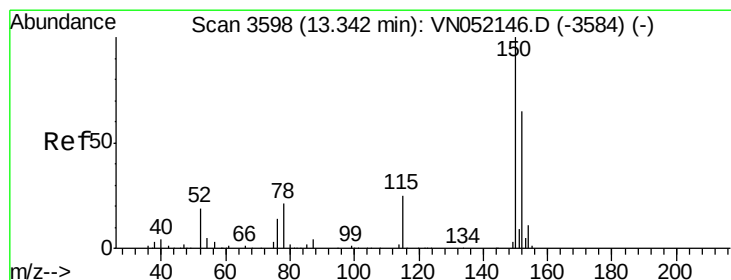
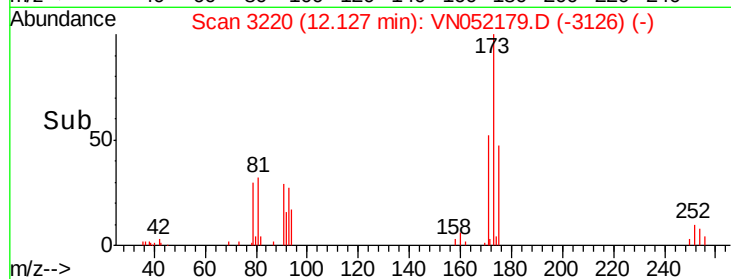
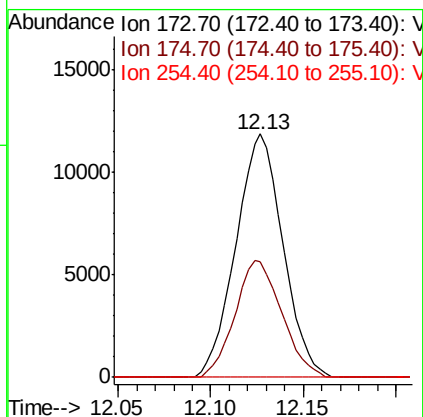
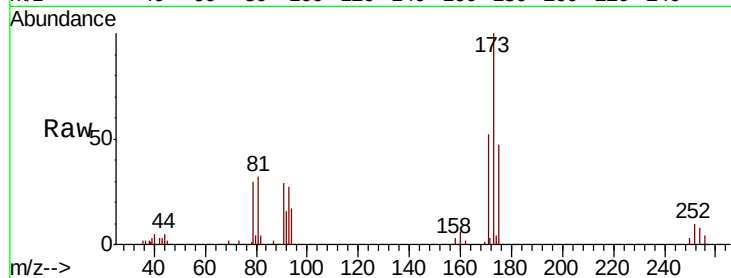
#71
Bromoform
Concen: 12.403 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.9	71.7
254	0.0	0.0	0.0

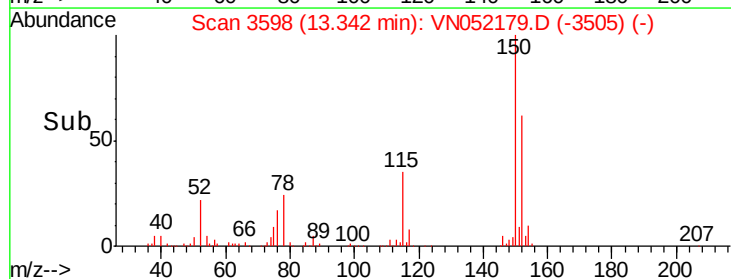
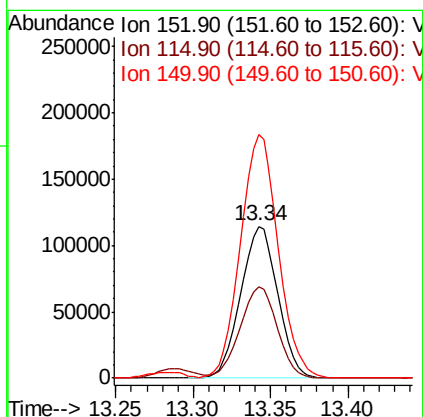
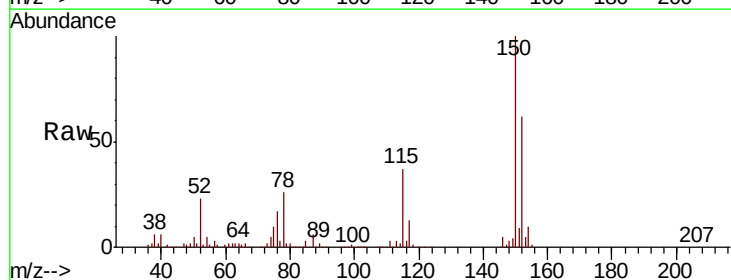
Manual Integrations
APPROVED

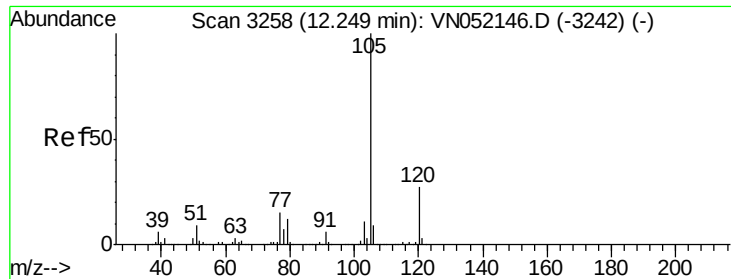
MMDadoda
11/6/2018 5:58:43 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	31.6	95.0
150	164.0	0.0	345.0





#73

Isopropylbenzene

Concen: 12.877 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

Tot Ion: 105 Resp: 185138

Ion Ratio Lower Upper

105 100

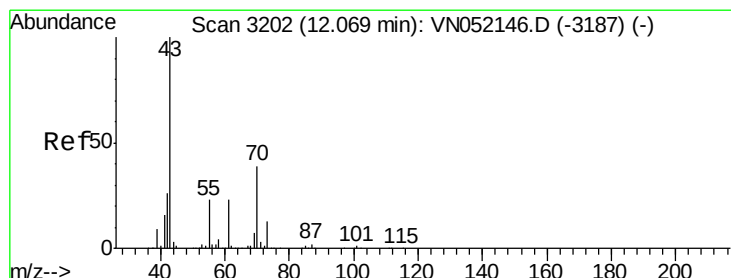
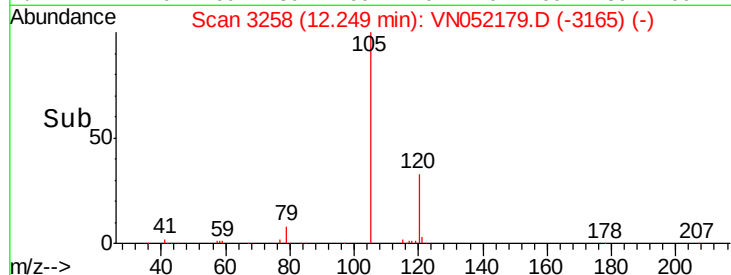
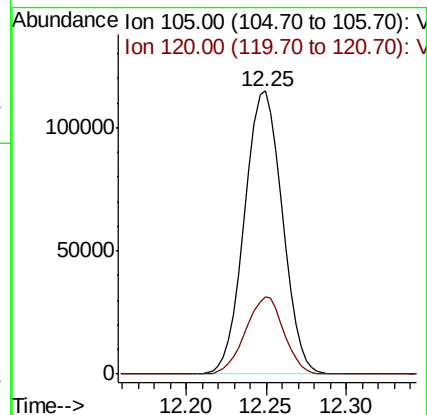
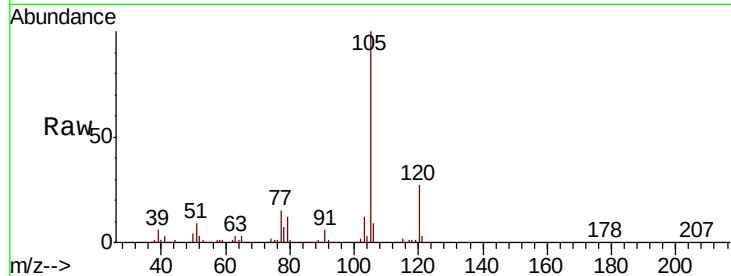
120 27.6 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 13.393 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Tgt Ion: 43 Resp: 59513

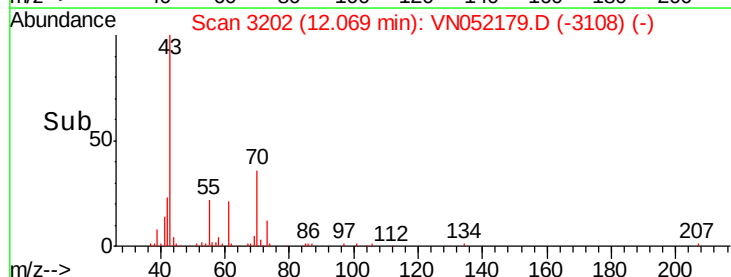
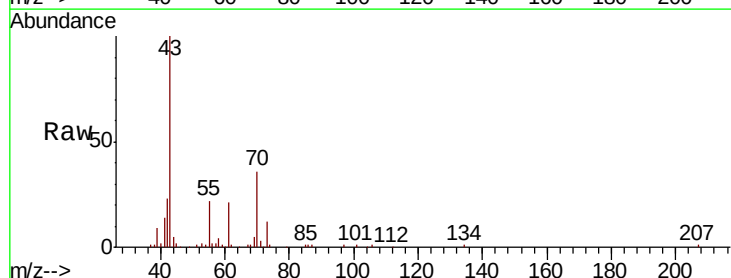
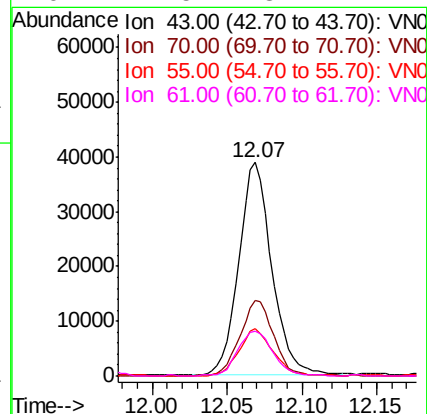
Ion Ratio Lower Upper

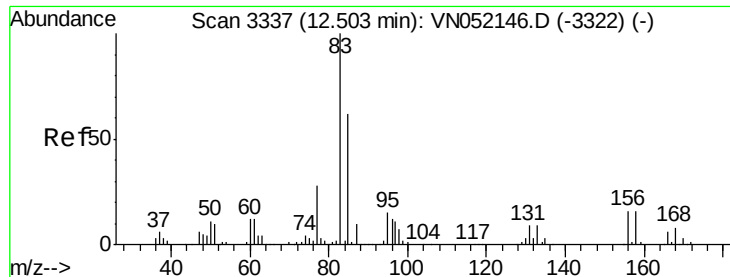
43 100

70 36.6 31.9 47.9

55 23.2 18.4 27.6

61 22.5 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 13.750 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

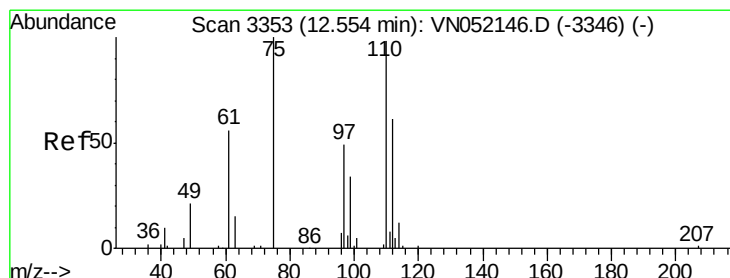
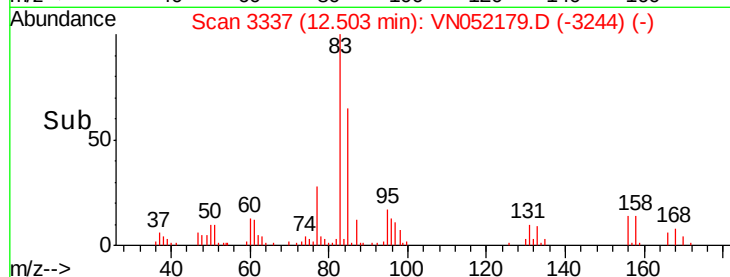
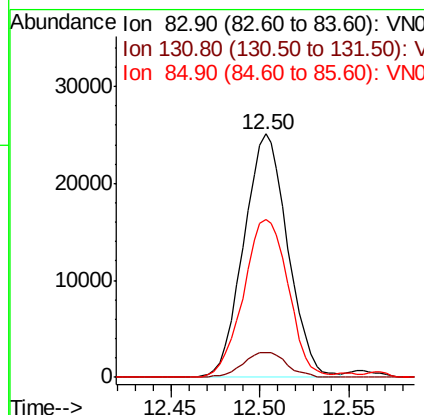
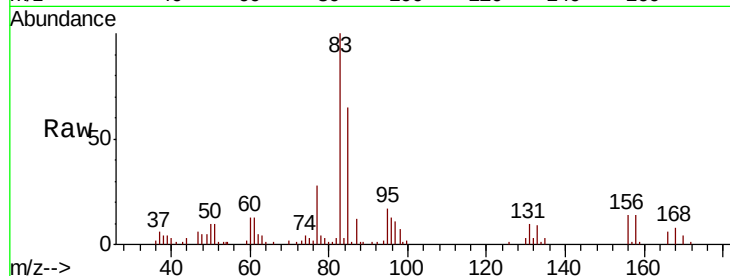
ClientSampleId :

VN1106WBS01

Tot Ion:	83	Resp:	43272
Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.5	13.4
85	66.0	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 15.387 ug/l m

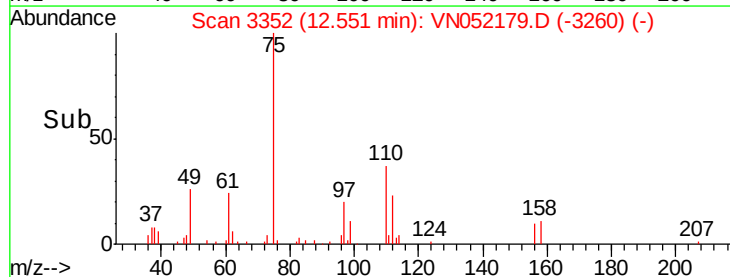
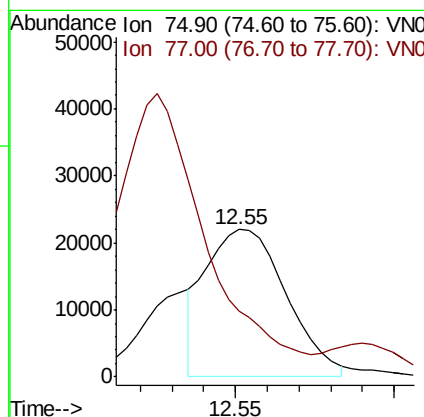
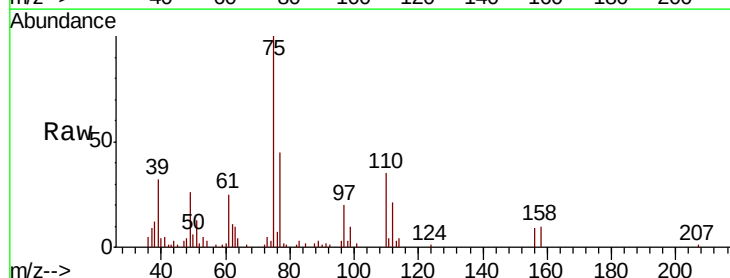
RT: 12.55 min Scan# 3352

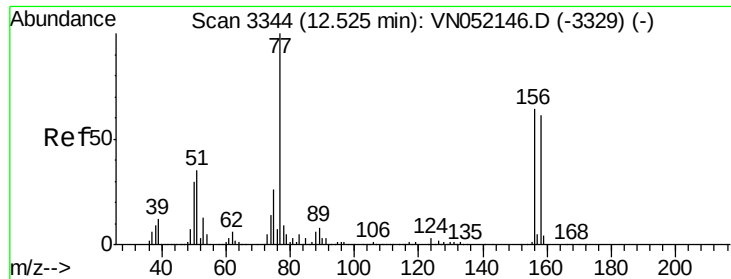
Delta R.T. -0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Tgt Ion:	75	Resp:	38672
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 12.547 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

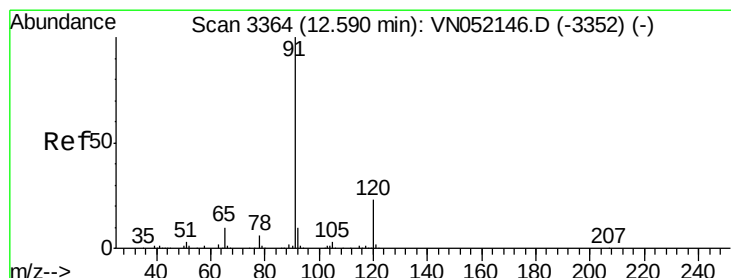
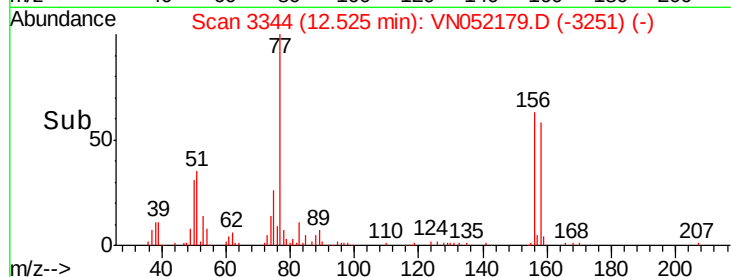
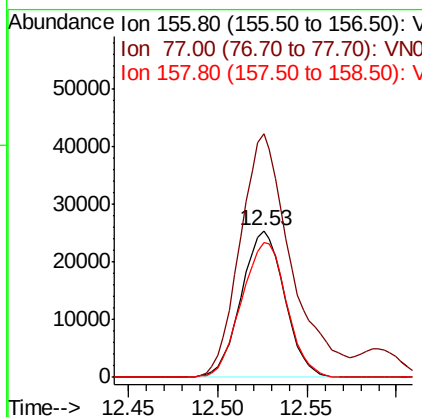
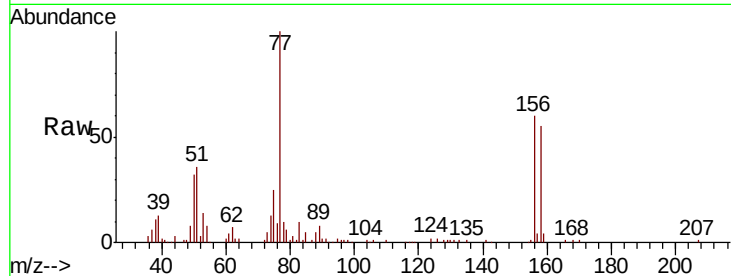
ClientSampled :

VN1106WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	196.1	119.6	358.6
158	96.5	47.8	143.4

Manual Integrations
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11/6/2018 5:58:43 PM



#78

n-propylbenzene

Concen: 13.081 ug/l

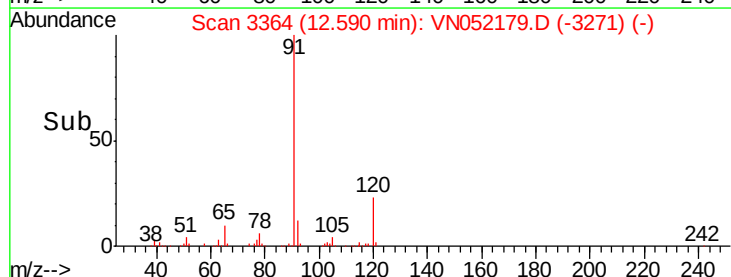
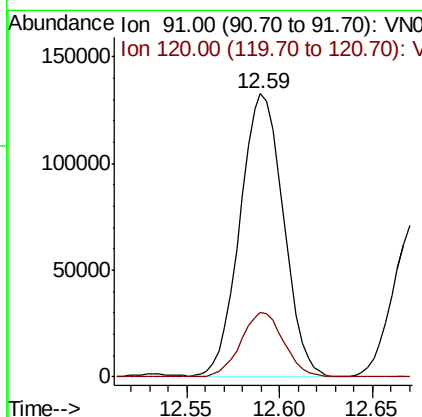
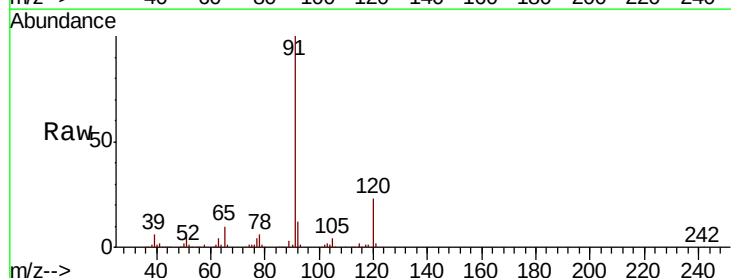
RT: 12.59 min Scan# 3364

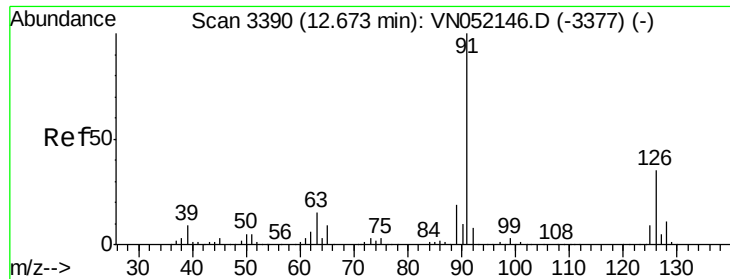
Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4





#79

2-Chlorotoluene

Concen: 13.339 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

ClientSampled :

VN1106WBS01

Tot Ion: 91 Resp: 128532

Ion Ratio Lower Upper

91 100

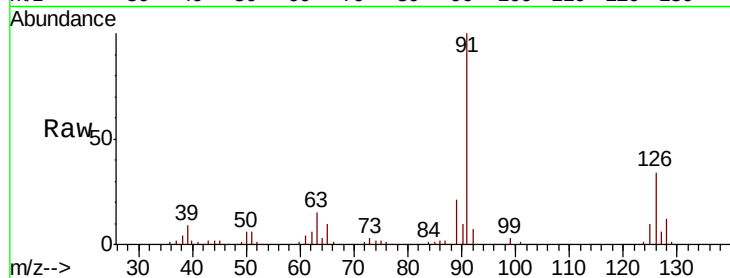
126 34.3 15.9 47.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052146.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN052146.D (-3377) (-)

150000

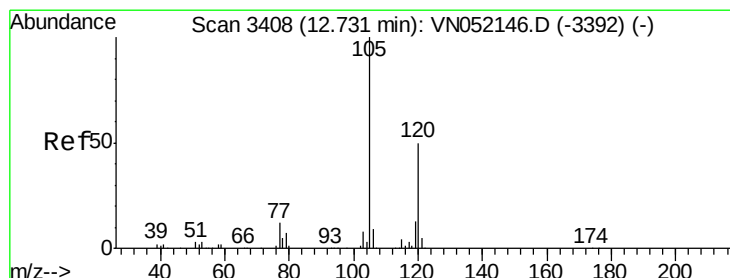
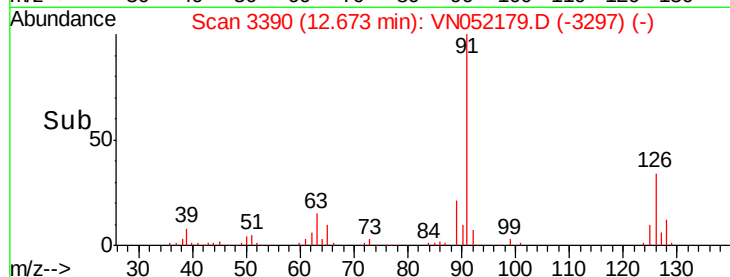
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 12.727 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052179.D

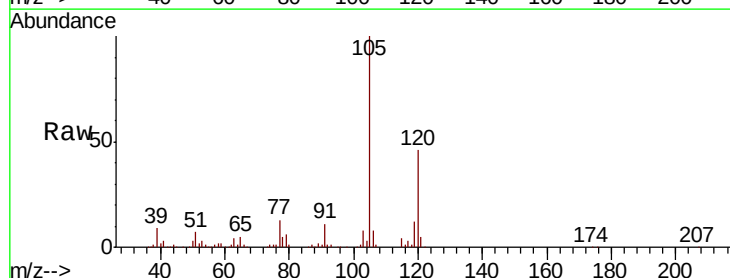
Acq: 6 Nov 2018 9:27

Tgt Ion: 105 Resp: 148111

Ion Ratio Lower Upper

105 100

120 49.2 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN052146.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052146.D (-3392) (-)

100000

80000

60000

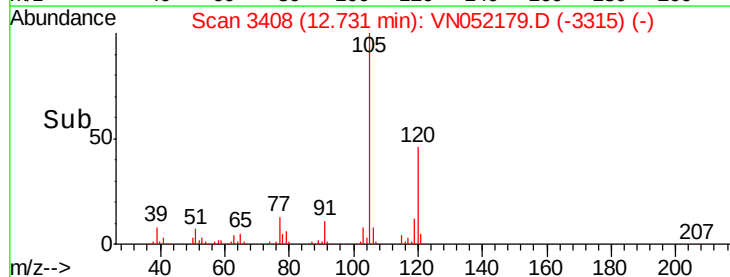
40000

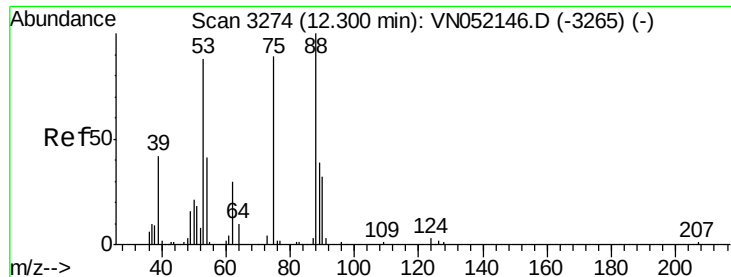
20000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 13.201 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

Tot Ion: 75 Resp: 11033

Ion Ratio Lower Upper

75 100

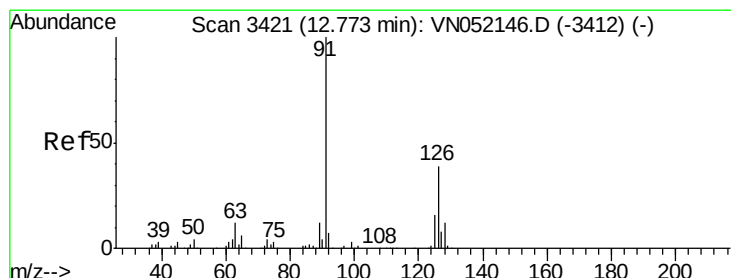
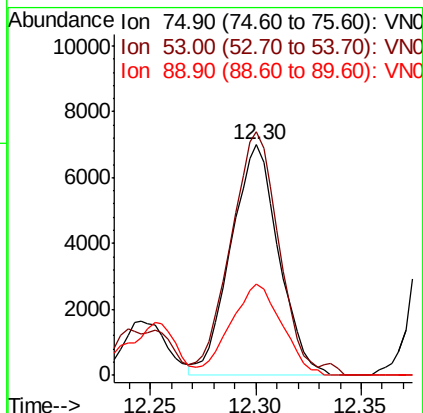
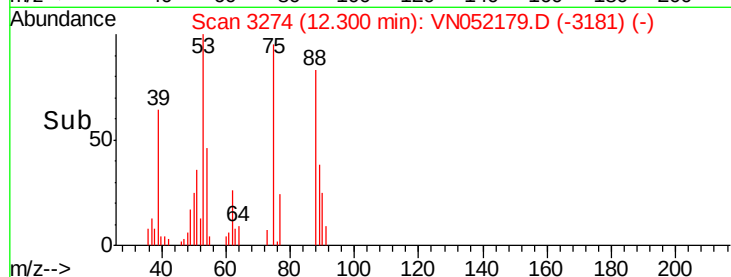
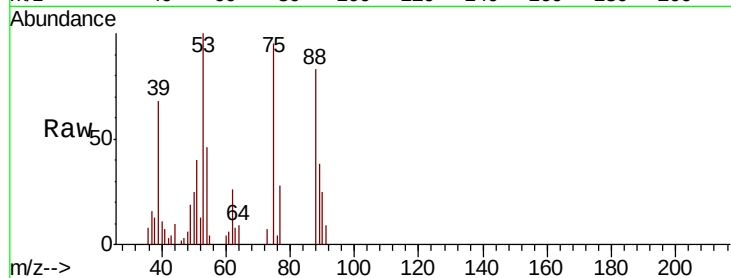
53 98.3 81.8 122.6

89 42.4 36.6 54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 13.201 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052179.D

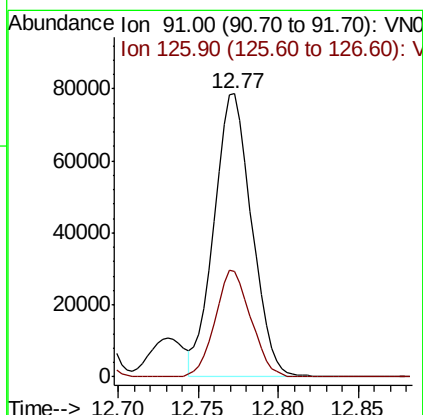
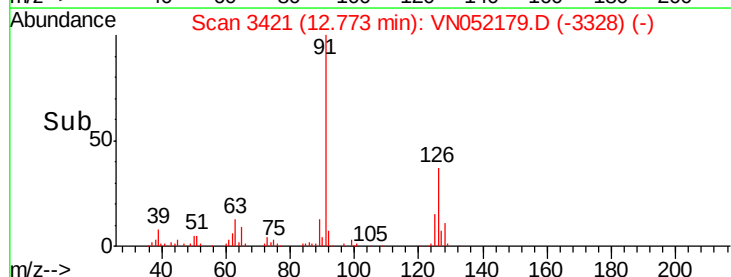
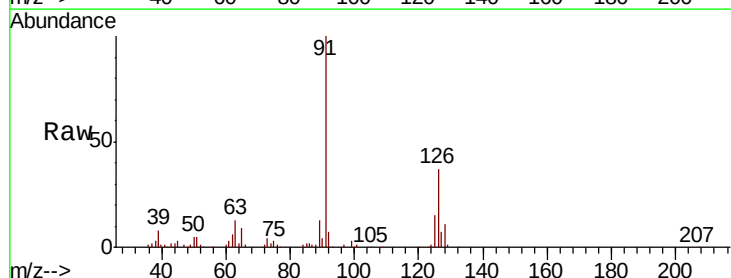
Acq: 6 Nov 2018 9:27

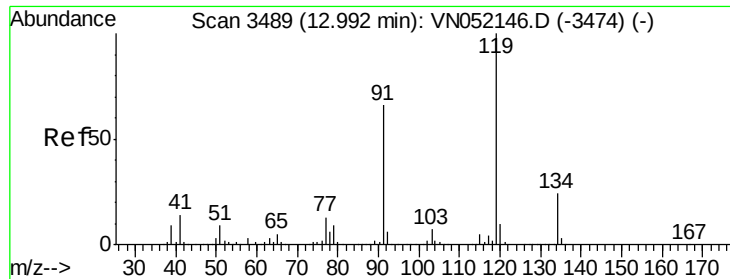
Tgt Ion: 91 Resp: 127846

Ion Ratio Lower Upper

91 100

126 35.5 15.7 47.1





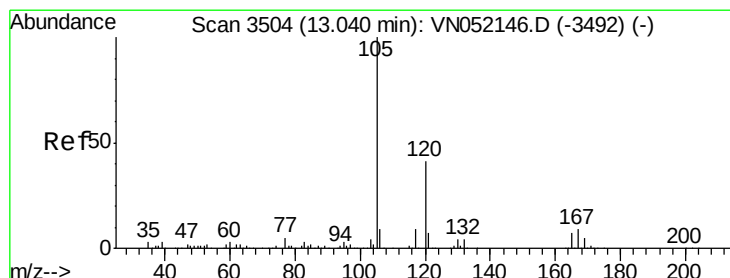
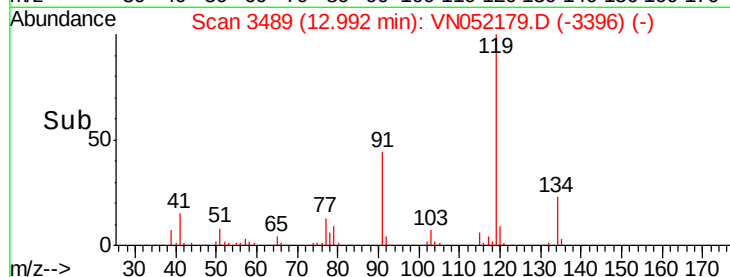
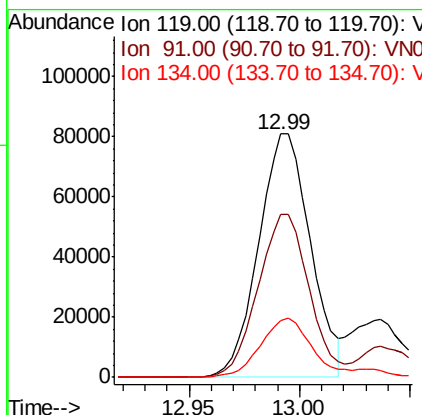
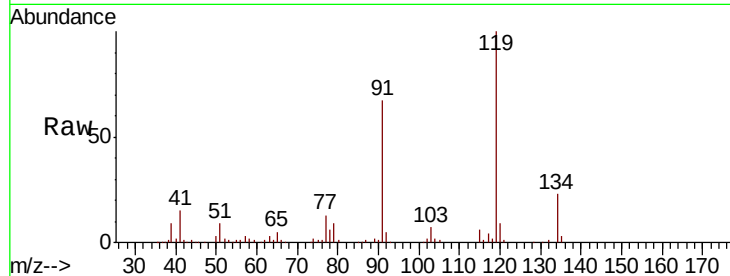
#83
 tert-Butylbenzene
 Concen: 12.823 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052179.D
 Acq: 6 Nov 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	36.6	109.9
134	24.0	12.5	37.5

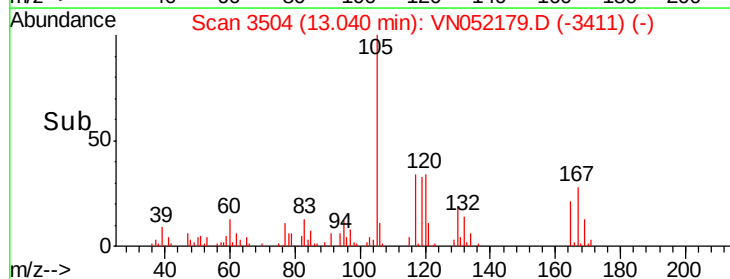
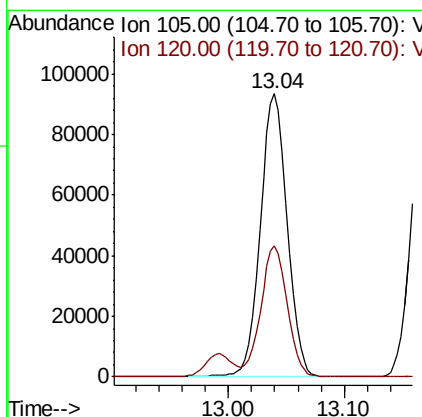
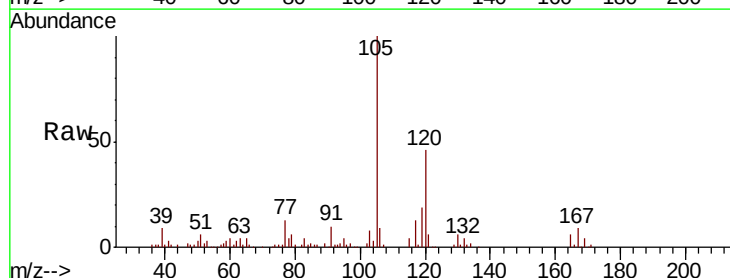
Manual Integrations
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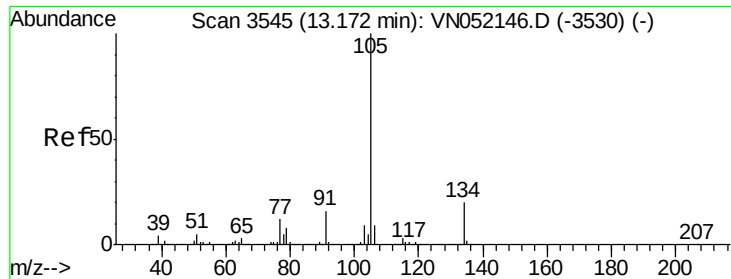
MMDadoda
 11/6/2018 5:58:43 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 13.011 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052179.D
 Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	21.9	65.5





#85

sec-Butylbenzene

Concen: 12.946 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

Tot Ion:105 Resp: 179884

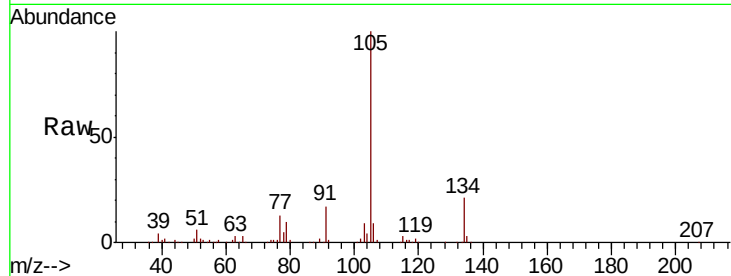
Ion Ratio Lower Upper

105 100

134 19.7 9.1 27.3

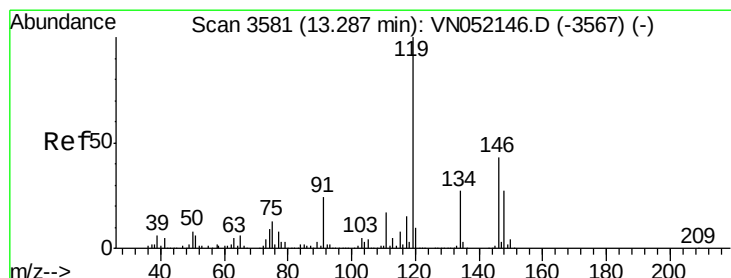
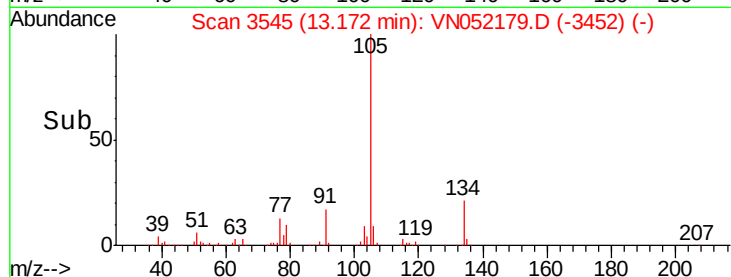
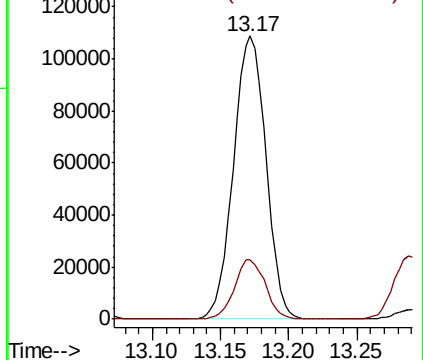
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 13.118 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052179.D

Acq: 6 Nov 2018 9:27

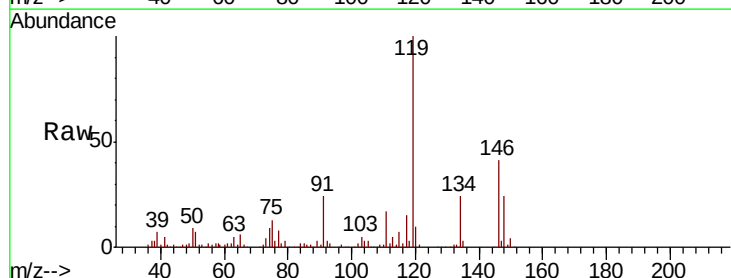
Tgt Ion:119 Resp: 153424

Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.3

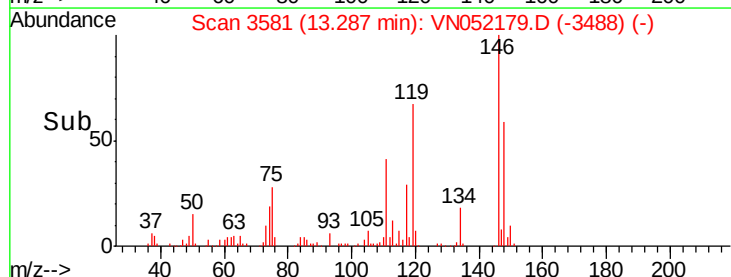
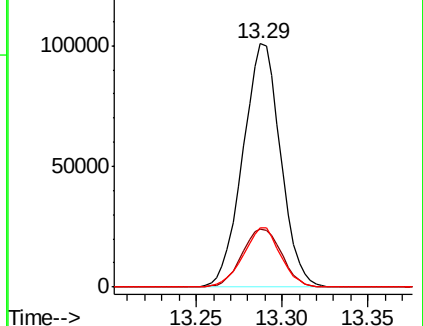
91 24.1 13.4 40.2

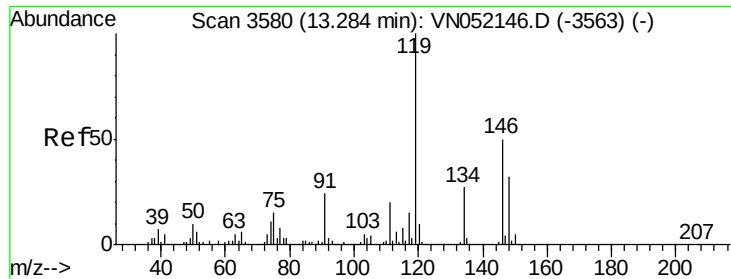


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





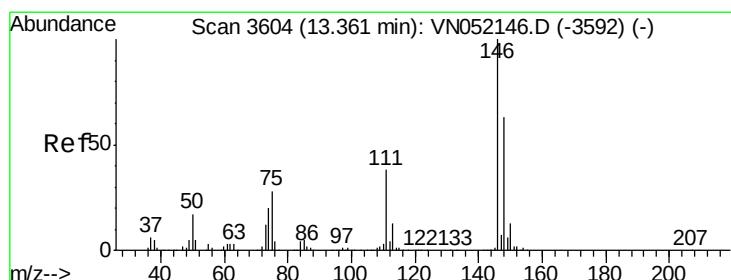
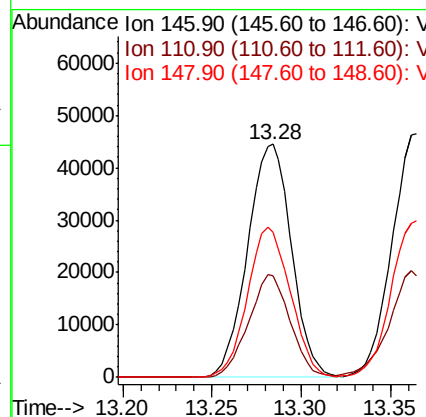
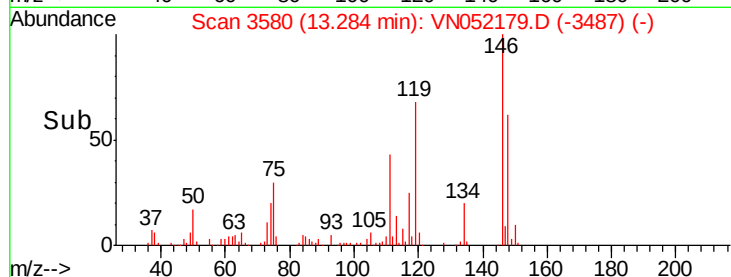
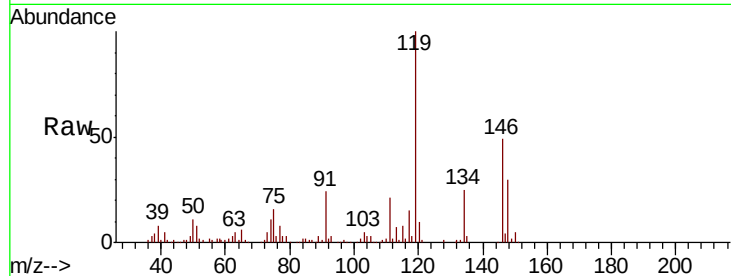
#87
 1,3-Dichlorobenzene
 Concen: 12.646 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052179.D
 Acq: 6 Nov 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	22.9	68.8
148	63.0	31.8	95.4

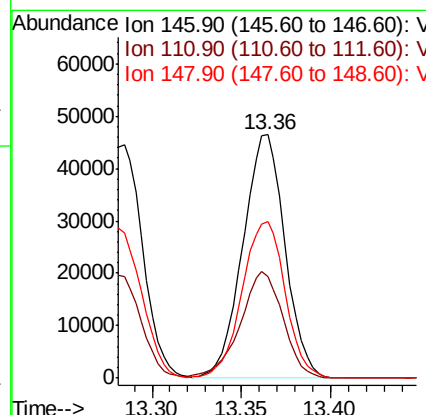
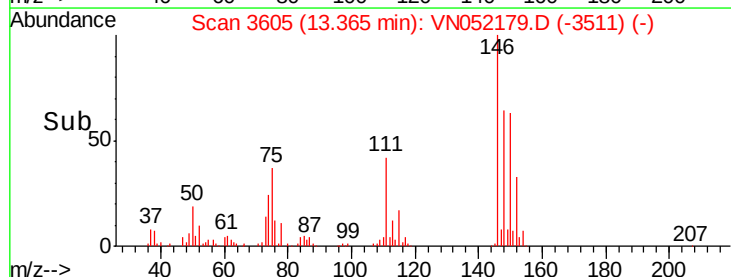
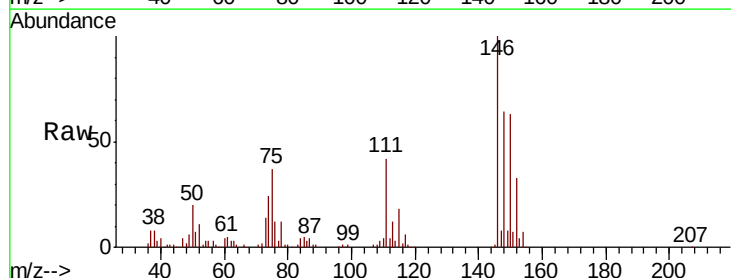
Manual Integrations
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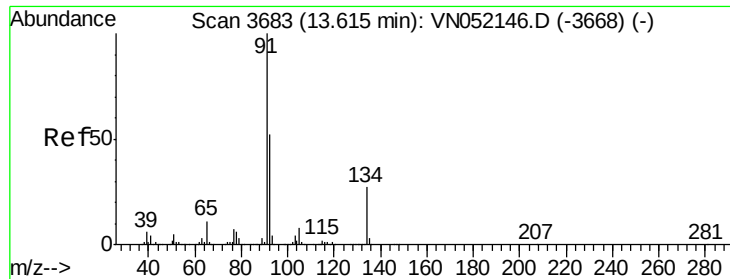
MMDadoda
 11/6/2018 5:58:43 PM



#88
 1,4-Dichlorobenzene
 Concen: 12.639 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052179.D
 Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.9	65.8
148	65.8	32.6	98.0





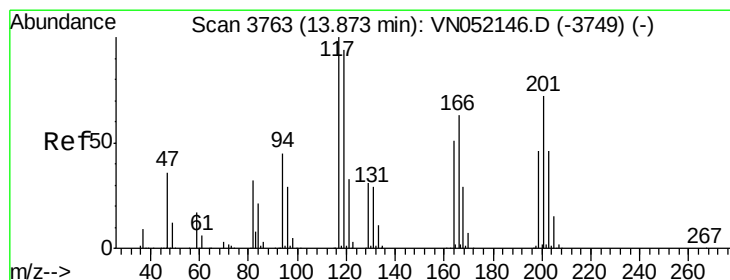
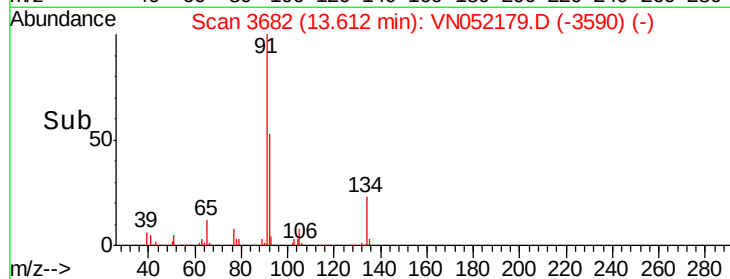
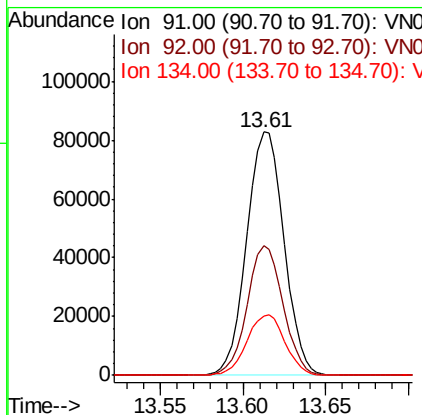
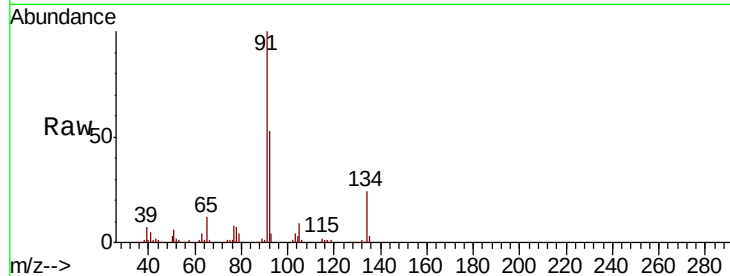
#89
n-Butylbenzene
Concen: 12.811 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.3	75.8
134	25.3	11.2	33.5

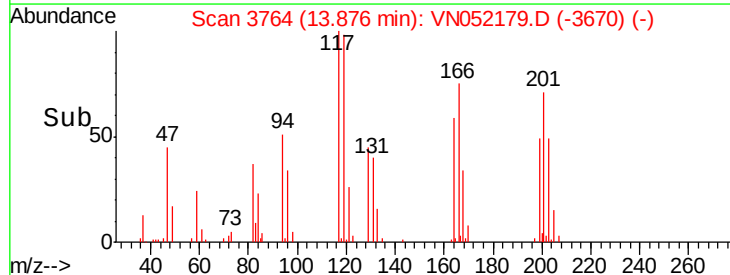
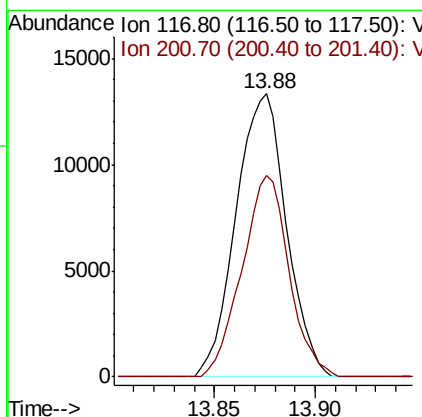
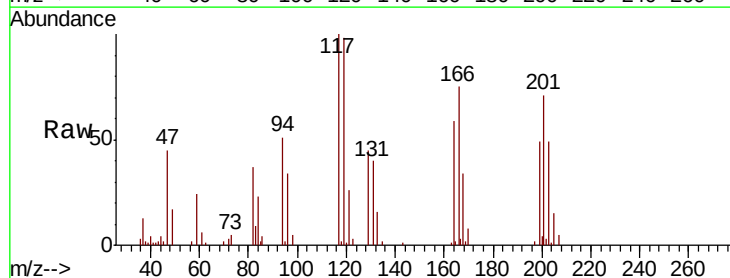
Manual Integrations
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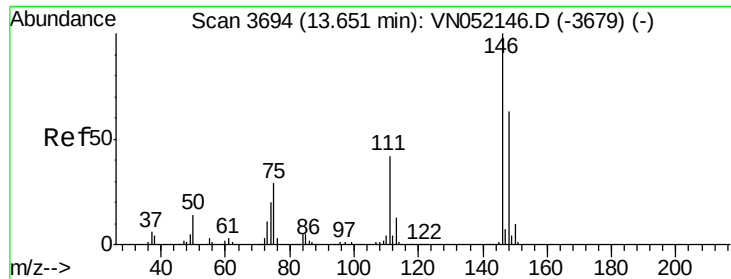
MMDadoda
11/6/2018 5:58:43 PM



#90
Hexachloroethane
Concen: 11.841 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.4	31.1	93.5





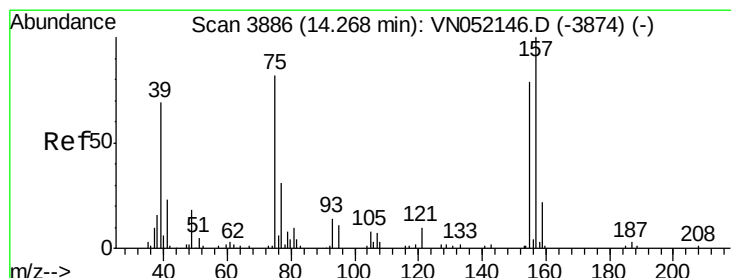
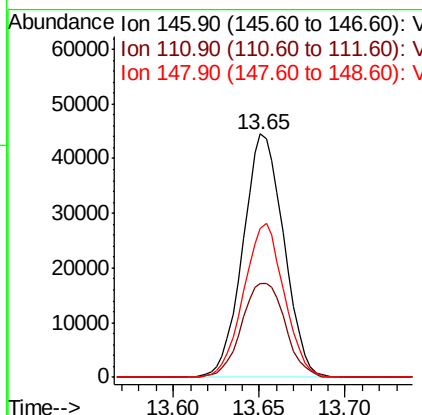
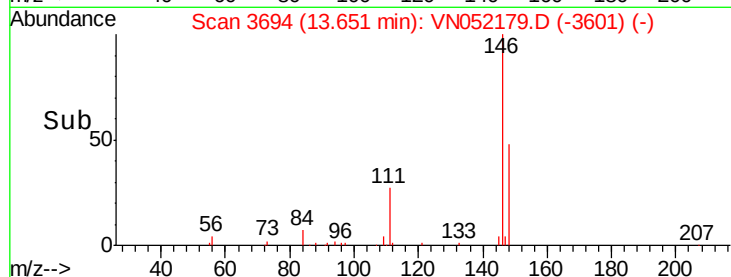
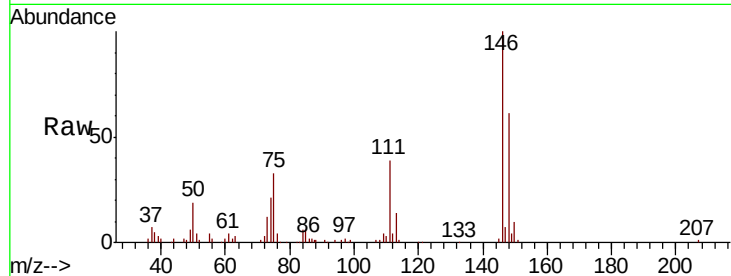
#91
 1,2-Dichlorobenzene
 Concen: 12.889 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052179.D
 Acq: 6 Nov 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	22.5	67.5
148	62.6	30.9	92.8

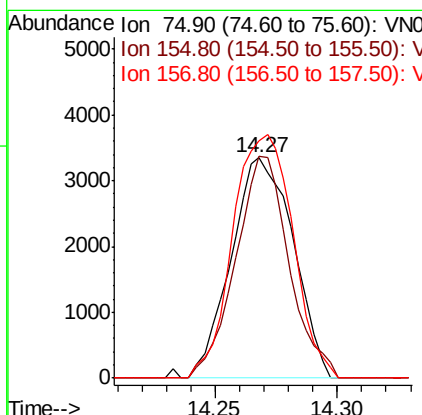
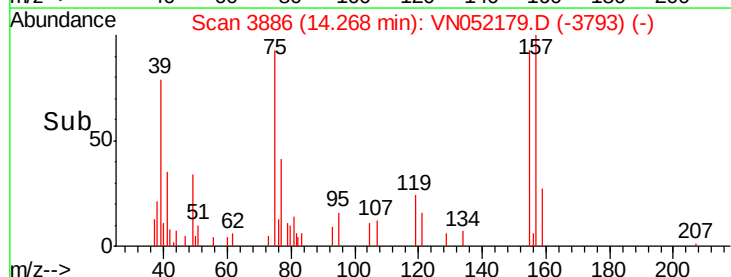
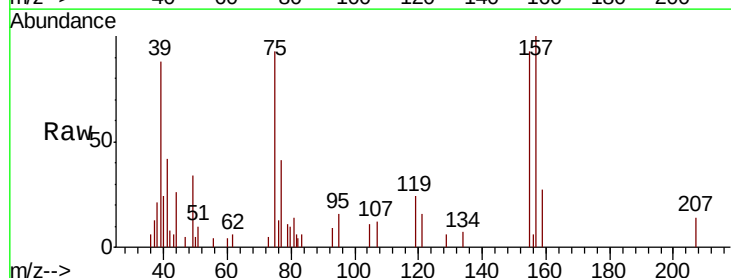
Manual Integrations
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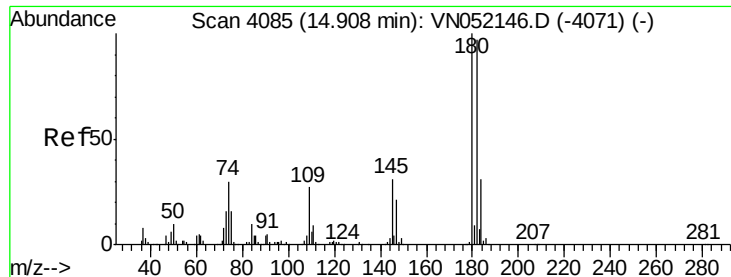
MMDadoda
 11/6/2018 5:58:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.221 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052179.D
 Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	34.0	102.0
157	107.1	42.1	126.4





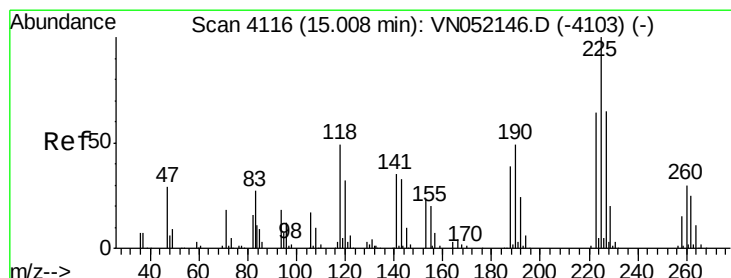
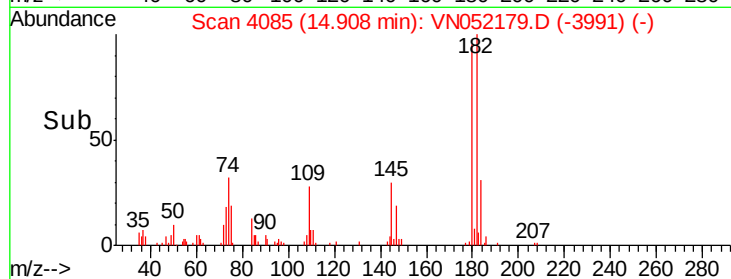
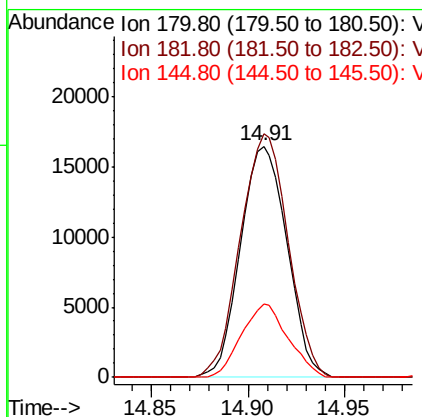
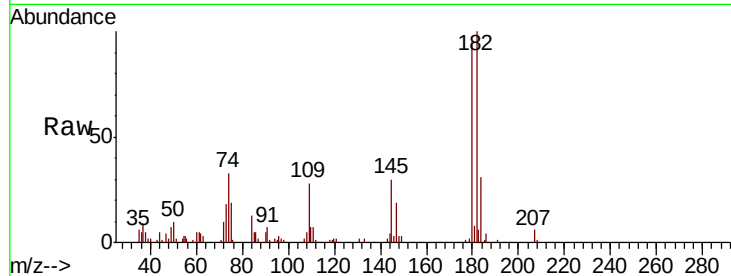
#93
 1,2,4-Trichlorobenzene
 Concen: 12.066 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052179.D
 Acq: 6 Nov 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	108.3	49.1	147.4	
145	31.6	16.4	49.2	

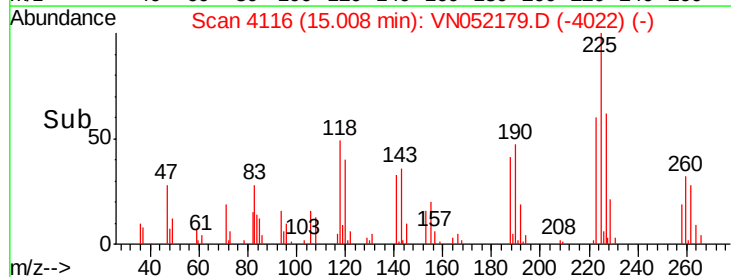
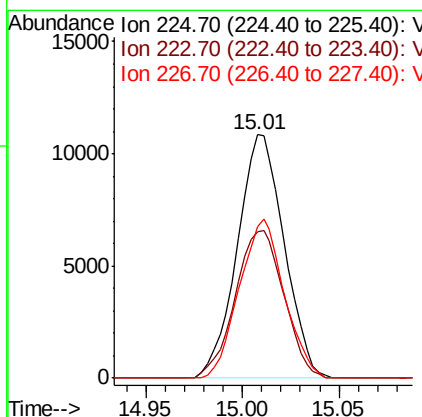
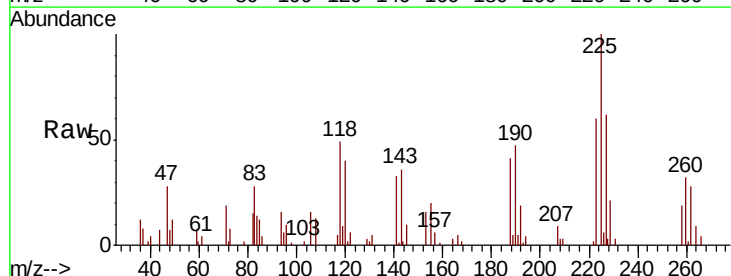
Manual Integrations
 APPROVED

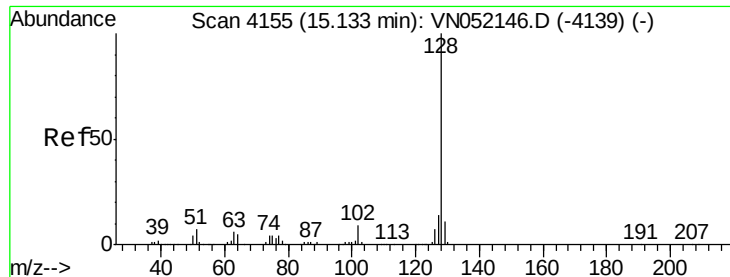
MMDadoda
 11/6/2018 5:58:43 PM



#94
 Hexachlorobutadiene
 Concen: 13.406 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052179.D
 Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	33.1	99.3	
227	62.7	32.6	97.8	





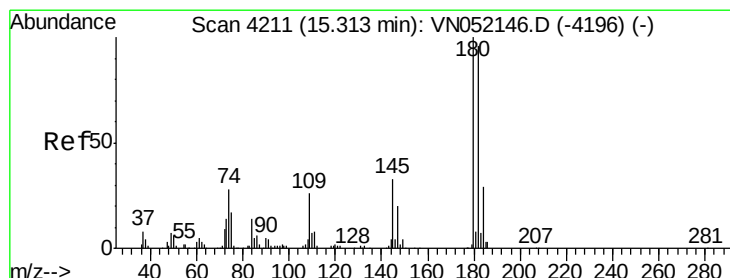
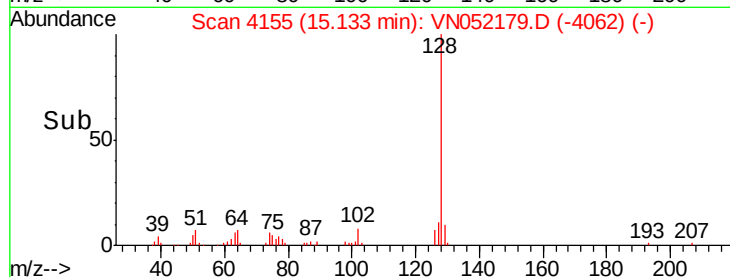
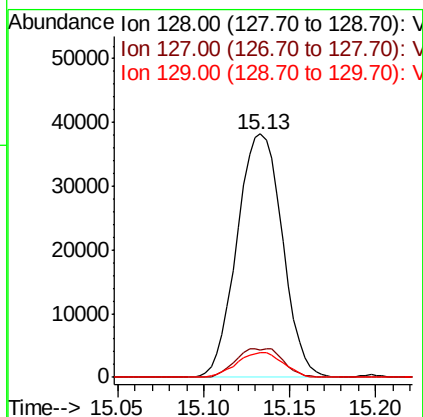
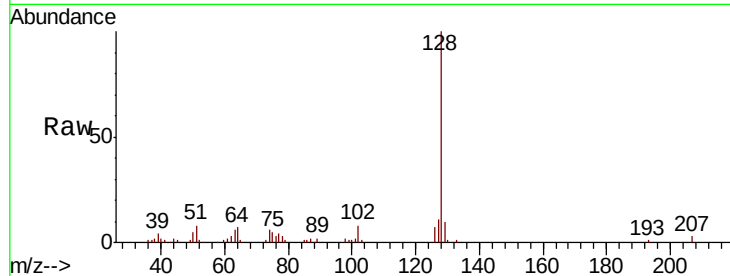
#95
Naphthalene
Concen: 12.010 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.5	15.7
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:58:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 13.400 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN052179.D
Acq: 6 Nov 2018 9:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	47.2	141.6
145	29.0	16.6	49.7

