

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
 Data File : VN053215.D
 Acq On : 28 Dec 2018 10:15
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:48:16 AM

Quant Time: Dec 28 10:35:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:13:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	169588	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	978285	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	898403	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	318271	29.43	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.10%
60) 4-Bromofluorobenzene	12.40	95	422309	30.91	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.03%
63) Toluene-d8	10.09	98	1174664	28.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	1681866	148.558	ug/l 99
3) Chloromethane	2.06	50	1979445	149.077	ug/l 100
4) Vinyl Chloride	2.19	62	1898263	144.365	ug/l 97
5) Bromomethane	2.56	94	1224916	144.515	ug/l 99
6) Chloroethane	2.70	64	1078100	141.856	ug/l 99
7) Trichlorofluoromethane	3.02	101	2351602	144.930	ug/l 99
8) Diethyl Ether	3.41	74	881843	146.615	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1470379	144.063	ug/l 96
10) 1,1-Dichloroethene	3.74	96	1447010	145.574	ug/l 98
11) Methyl Iodide	3.96	142	2266293	158.352	ug/l 99
12) Methyl Acetate	4.32	43	1161055	150.941	ug/l 98
13) Acrolein	3.61	56	713857	783.189	ug/l 100
14) Acrylonitrile	4.99	53	2573911	746.285	ug/l 98
15) Acetone	3.81	58	546033	744.594	ug/l 96
16) Carbon Disulfide	4.06	76	4564313	150.187	ug/l 100
17) Allyl chloride	4.33	41	2307850	148.082	ug/l 97
18) Methylene Chloride	4.55	84	1611455	140.730	ug/l 94
19) trans-1,2-Dichloroethene	5.05	96	1528253	145.456	ug/l 95
20) Diisopropyl ether	5.95	45	4848948	144.606	ug/l 93
21) 1,1-Dichloroethane	5.85	63	2842741	145.846	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	1748302	148.280	ug/l 98
23) tert-Butyl Alcohol	4.77	59	451076	783.543	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	3842202	148.892	ug/l 96
25) Chloroform	7.37	83	2718006	144.886	ug/l 99
26) Cyclohexane	7.66	56	2687221	148.301	ug/l # 98
29) 1,1-Dichloropropene	7.80	75	2217133	149.521	ug/l 99
30) 2-Butanone	6.83	43	2805260	761.020	ug/l 98
31) 2,2-Dichloropropane	6.83	77	2169346	151.527	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	2341369	151.004	ug/l 96
33) Carbon Tetrachloride	7.78	117	2080346	153.861	ug/l 100
34) Benzene	8.04	78	6558313	146.595	ug/l # 90
35) Methacrylonitrile	7.17	41	699511	145.810	ug/l 98
36) 1,2-Dichloroethane	8.13	62	1879063	144.223	ug/l 98
37) Trichloroethene	8.84	130	1784523	147.405	ug/l 95
38) Methylcyclohexane	9.08	83	2614870	151.085	ug/l 97
39) 1,2-Dichloropropane	9.12	63	1731187	148.586	ug/l 97
40) Dibromomethane	9.21	93	968940	146.677	ug/l 95

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	2108266	149.092	ug/l	98
42) Vinyl Acetate	5.90	43	15435097	769.176	ug/l	97
43) Ethyl Acetate	6.93	43	1264714	153.999	ug/l #	69
44) Isopropyl Acetate	8.16	43	2350423	153.550	ug/l #	78
45) 1,4-Dioxane	9.20	88	288460	3084.443	ug/l	91
46) Methyl methacrylate	9.20	41	1209262	157.117	ug/l	95
47) n-amyl Acetate	12.07	43	2156115	162.242	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	2275019	159.906	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	2583767	152.784	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	1392607	147.115	ug/l	100
51) Ethyl methacrylate	10.43	69	1932048	159.121	ug/l	93
52) 1,3-Dichloropropane	10.71	76	2415077	148.348	ug/l	100
53) Dibromochloromethane	10.90	129	1629705	154.880	ug/l	97
54) 1,2-Dibromoethane	11.01	107	1450135	153.064	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	5423628	773.885	ug/l	99
56) Bromoform	12.13	173	1164281	163.620	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	6289819	730.996	ug/l	97
59) 2-Hexanone	10.75	43	4361586	735.044	ug/l	96
61) Tetrachloroethene	10.63	164	1849490	136.867	ug/l	97
62) Toluene	10.16	91	7080928	142.222	ug/l	99
64) Chlorobenzene	11.43	112	4541221	146.115	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	1610483	148.116	ug/l	99
66) Ethyl Benzene	11.51	91	7923357	147.869	ug/l	98
67) m/p-Xylenes	11.62	106	5980558	294.954	ug/l	98
68) o-Xylene	11.95	106	2917981	148.766	ug/l	99
69) Styrene	11.97	104	4870739	152.992	ug/l	99
70) Isopropylbenzene	12.25	105	7668329	148.547	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	1608255	147.862	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	1488991m	158.566	ug/l	
73) Bromobenzene	12.53	156	1995846	150.878	ug/l	95
74) n-propylbenzene	12.59	91	8861365	152.429	ug/l	98
75) 2-Chlorotoluene	12.68	91	5171301	149.645	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	6157898	150.839	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	551492	169.570	ug/l	90
78) 4-Chlorotoluene	12.77	91	5340345	152.363	ug/l	99
79) tert-butylbenzene	12.99	119	5329661	149.406	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	6157661	150.406	ug/l	99
81) sec-Butylbenzene	13.17	105	7083926	150.106	ug/l	99
82) p-Isopropyltoluene	13.29	119	6160212	151.301	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	3346890	148.032	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	3285257	149.323	ug/l	99
85) n-Butylbenzene	13.62	91	5101211	154.782	ug/l	98
86) Hexachloroethane	13.88	117	1035854	161.516	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	2995374	141.298	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	235596	152.375	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	1720079	174.709	ug/l	99
90) Hexachlorobutadiene	15.01	225	846934	134.793	ug/l	100
91) Naphthalene	15.13	128	3778577	182.770	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	1530401	174.087	ug/l	98

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ClientSampleId :
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Manual Integrations
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QLast Update : Fri Dec 28 10:13:56 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

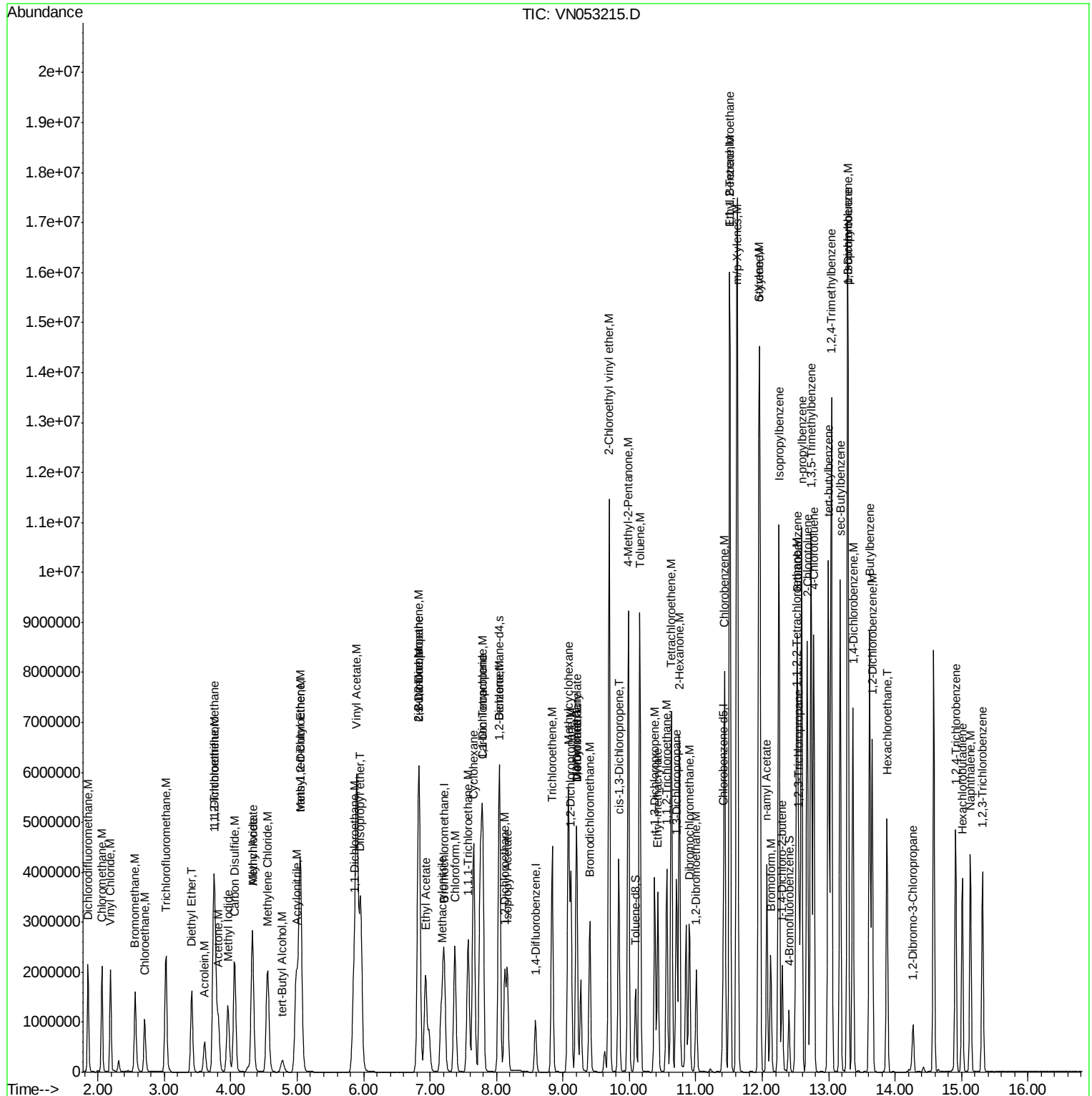
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 Data File : VN053215.D
 Acq On : 28 Dec 2018 10:15
 Operator : MD\SY
 Sample : VSTDICC150
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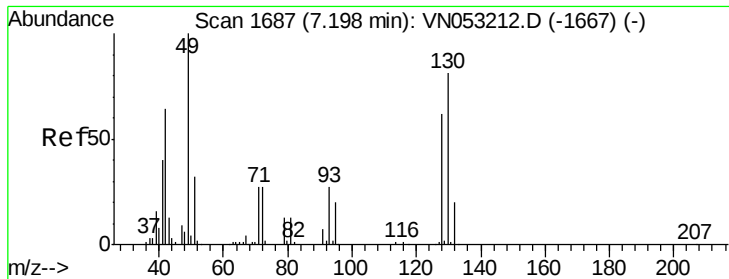
Instrument :
 MSVOA_N
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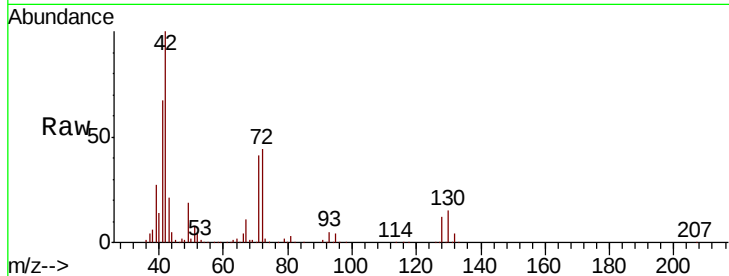
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

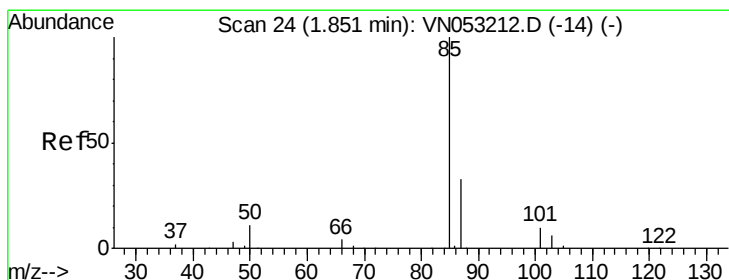
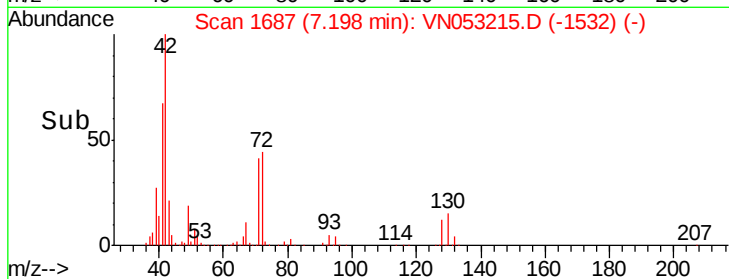
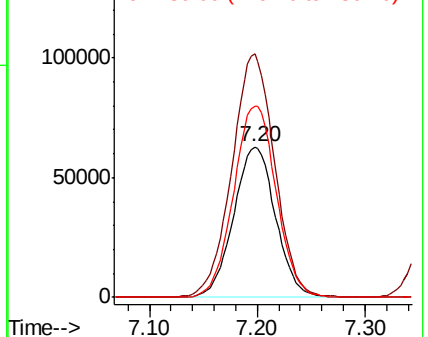
Tot Ion	Ratio	Lower	Upper
128	100		
49	165.8	0.0	431.8
130	129.8	0.0	317.0

Manual Integrations
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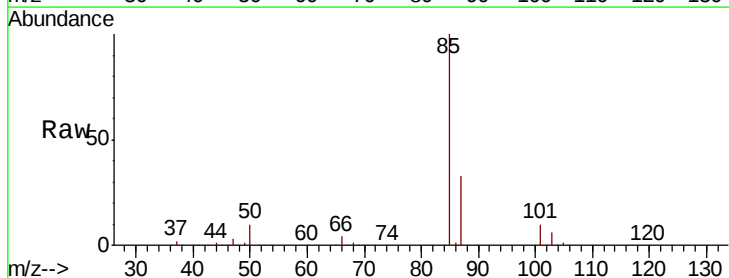


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

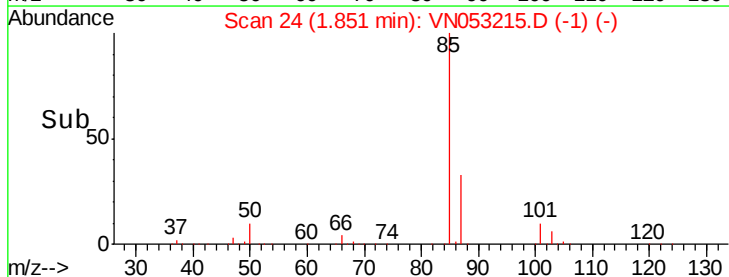
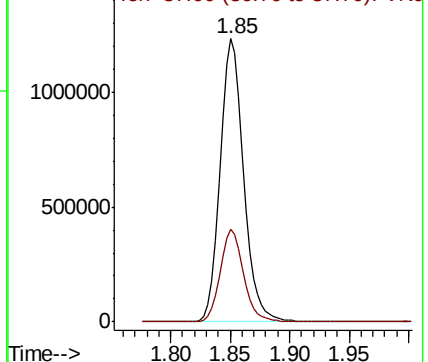


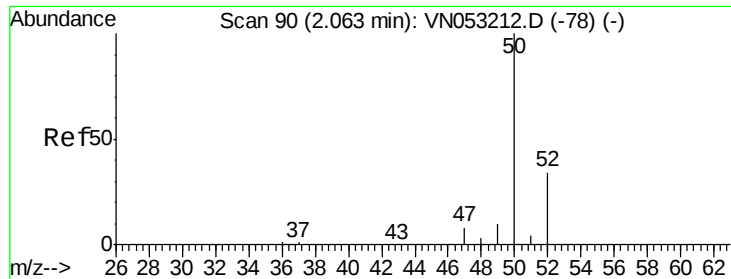
#2
Dichlorodifluoromethane
Concen: 148.558 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.1	48.3



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





#3

Chloromethane

Concen: 149.077 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 50 Resp: 1979445

Ion Ratio Lower Upper

50 100

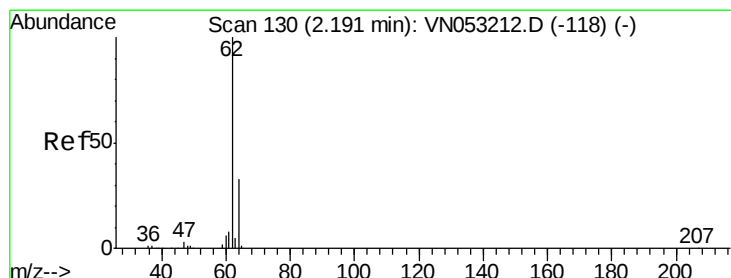
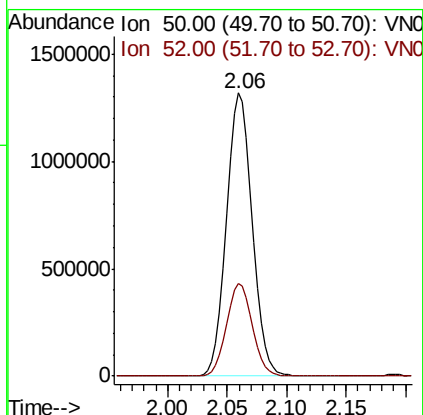
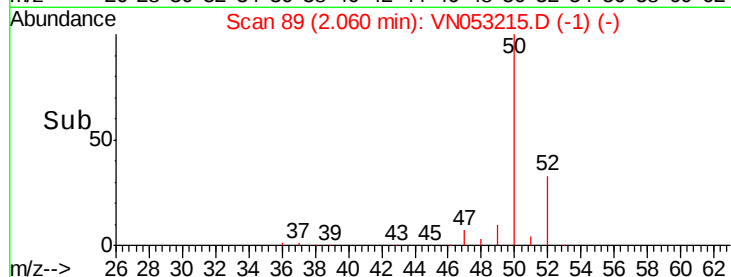
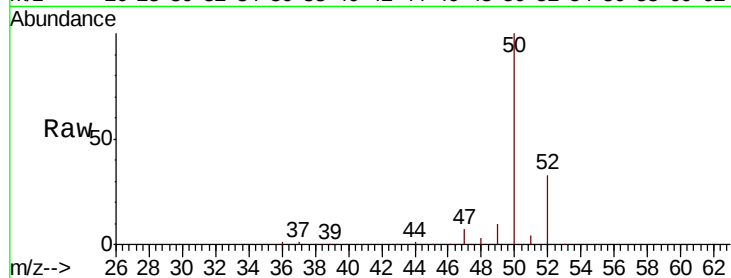
52 32.9 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 144.365 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053215.D

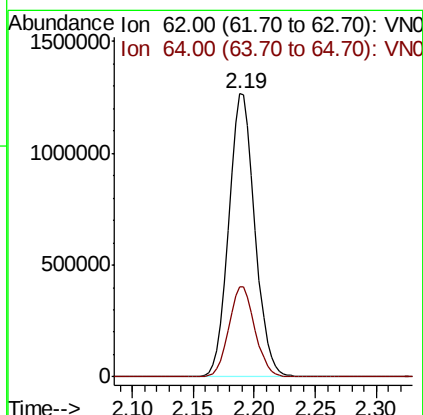
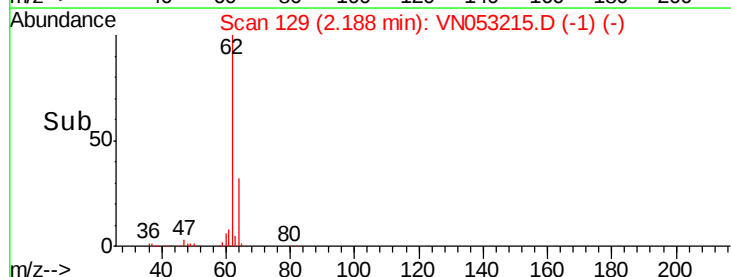
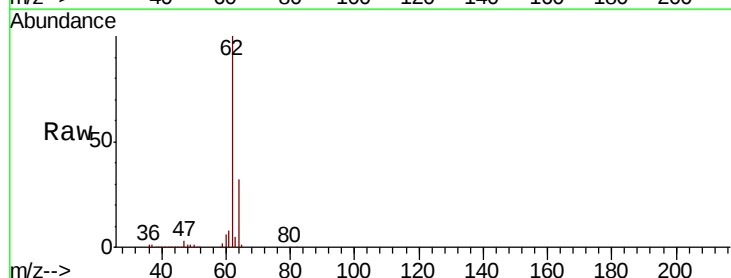
Acq: 28 Dec 2018 10:15

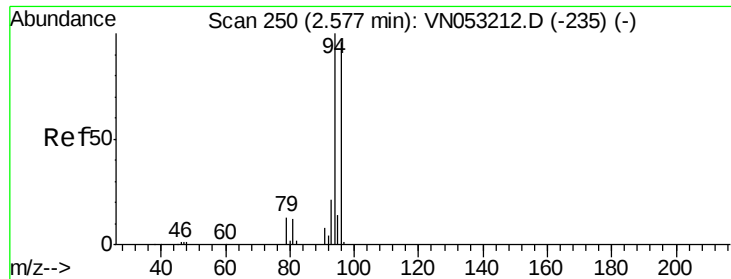
Tgt Ion: 62 Resp: 1898263

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.4





#5

Bromomethane

Concen: 144.515 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.02 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 1224916

Ion Ratio Lower Upper

94 100

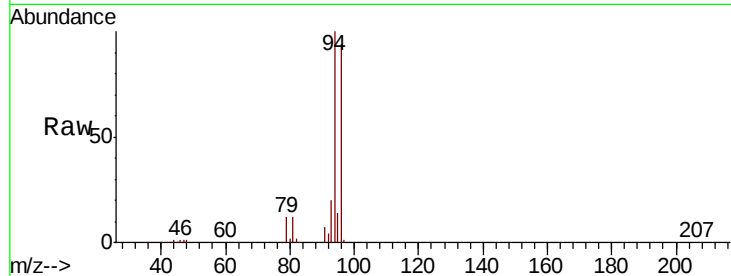
96 94.1 76.2 114.2

Manual Integrations

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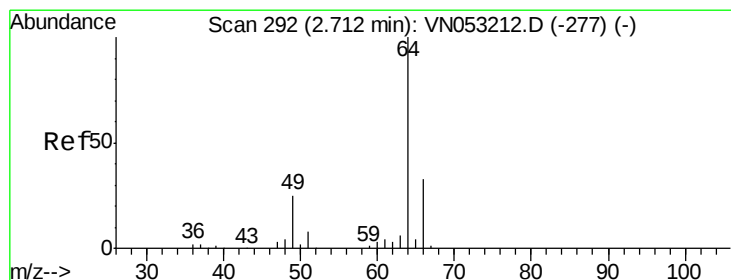
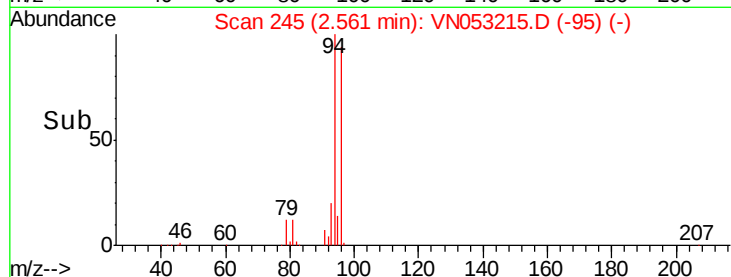
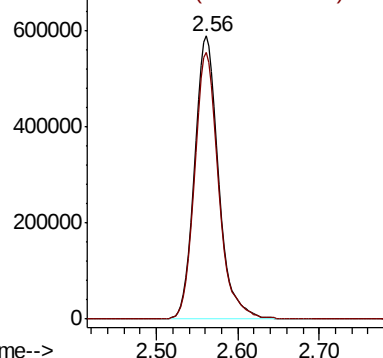
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 141.856 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN053215.D

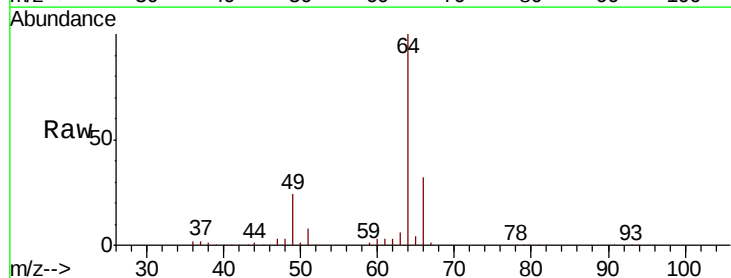
Acq: 28 Dec 2018 10:15

Tgt Ion: 64 Resp: 1078100

Ion Ratio Lower Upper

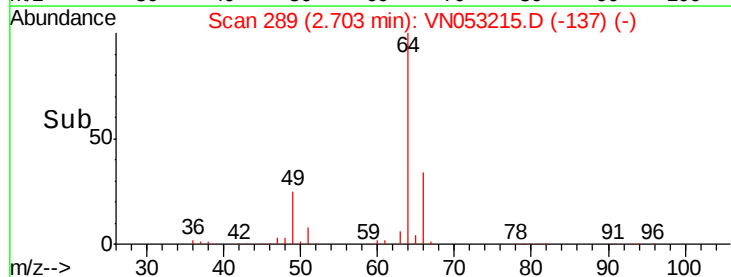
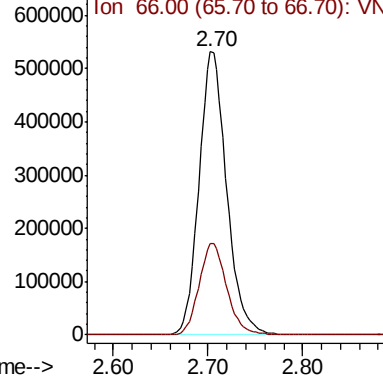
64 100

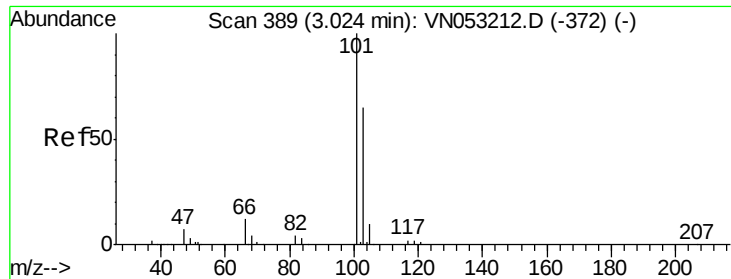
66 32.3 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

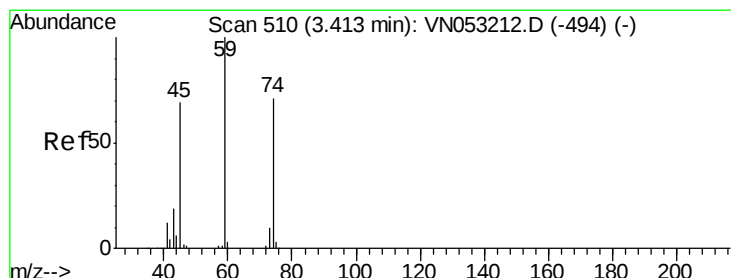
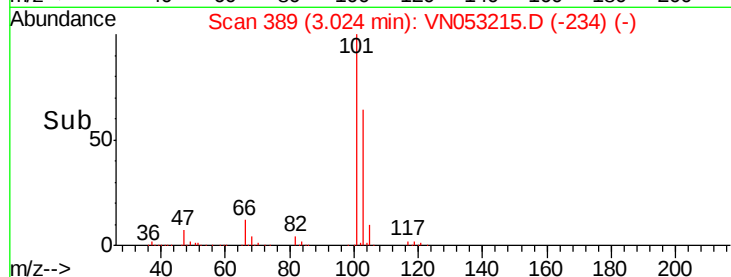
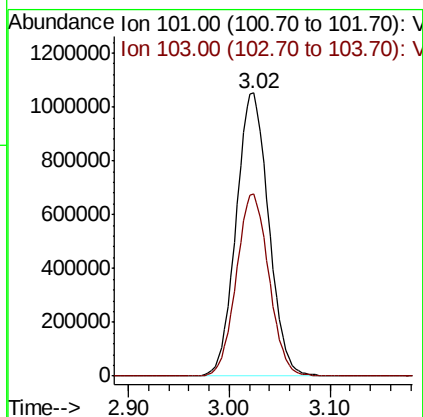
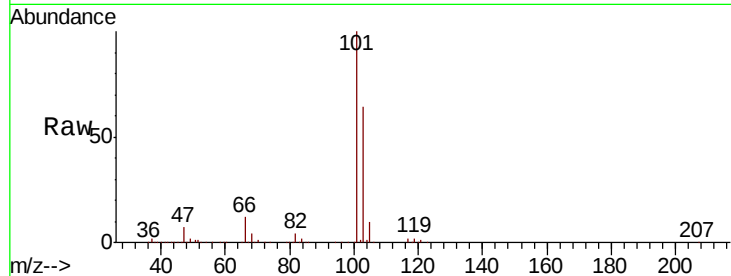
Trichlorofluoromethane
Concen: 144.930 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 2351602
Ion Ratio Lower Upper
101 100
103 64.2 52.1 78.1

Manual Integrations
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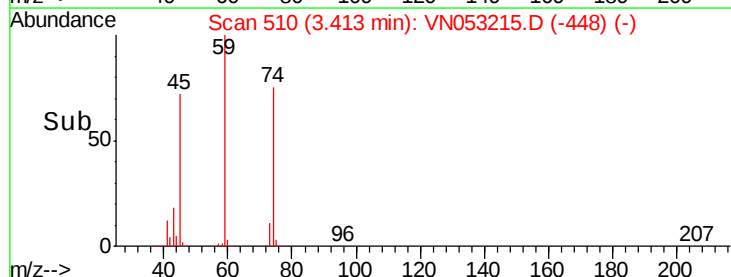
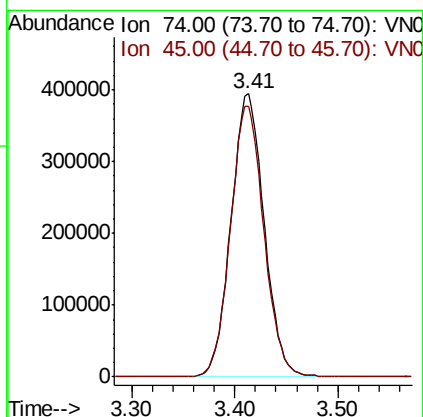
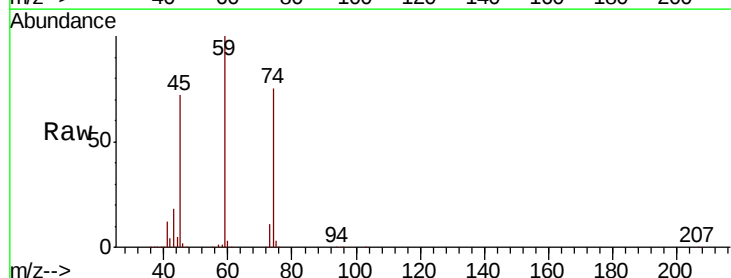
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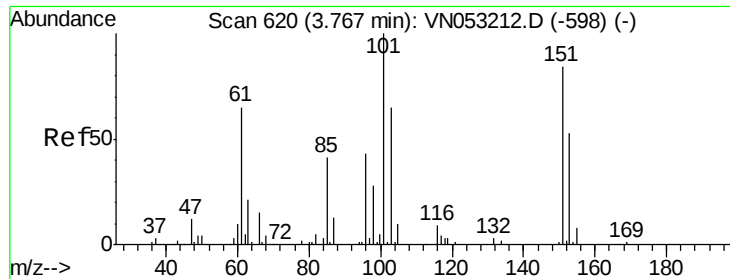


#8

Diethyl Ether
Concen: 146.615 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Tgt Ion: 74 Resp: 881843
Ion Ratio Lower Upper
74 100
45 96.7 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 144.063 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

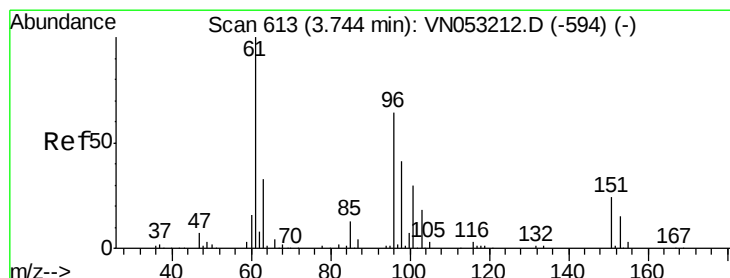
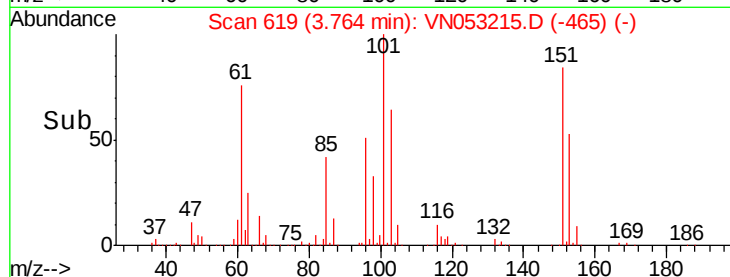
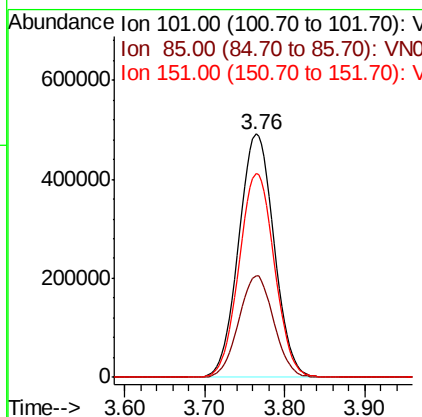
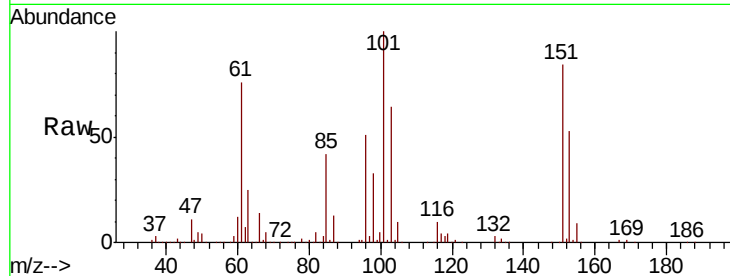
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1470379

Ion	Ratio	Lower	Upper
101	100		
85	41.4	0.0	82.6
151	84.0	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 145.574 ug/l

RT: 3.74 min Scan# 612

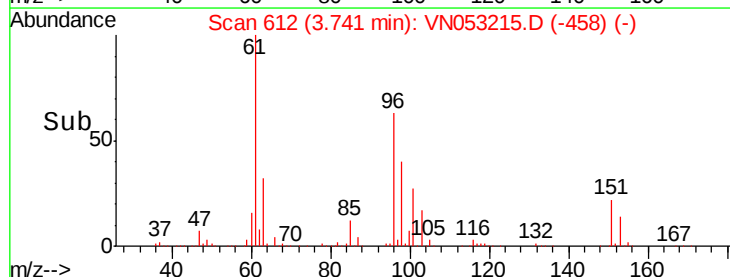
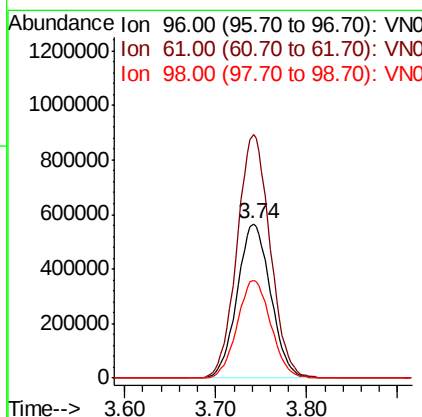
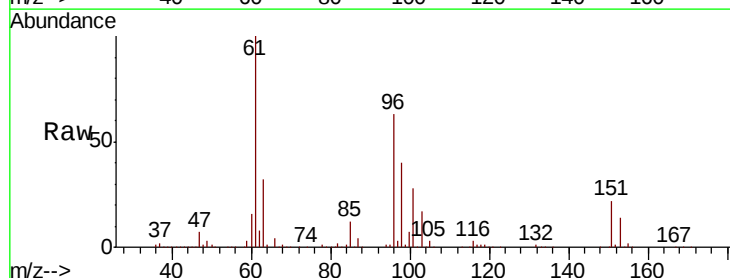
Delta R.T. -0.00 min

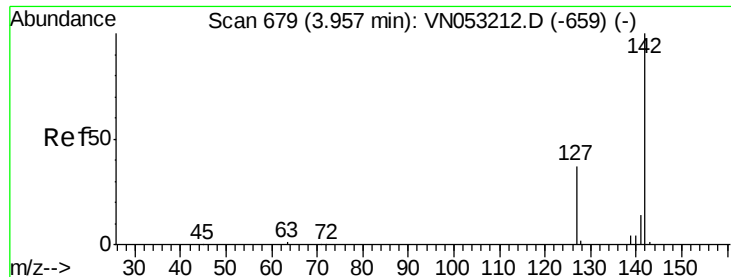
Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Tgt Ion: 96 Resp: 1447010

Ion	Ratio	Lower	Upper
96	100		
61	158.0	129.4	194.2
98	63.7	50.4	75.6





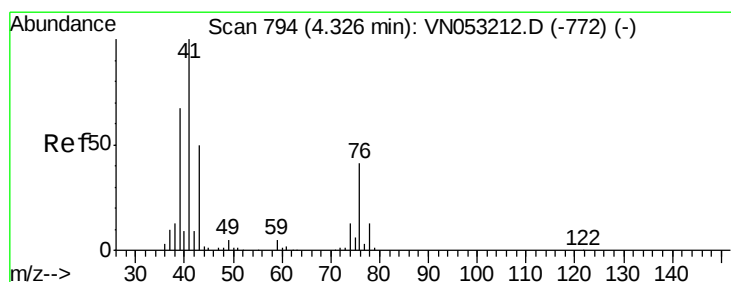
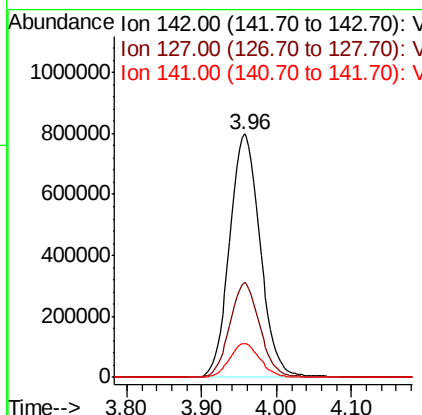
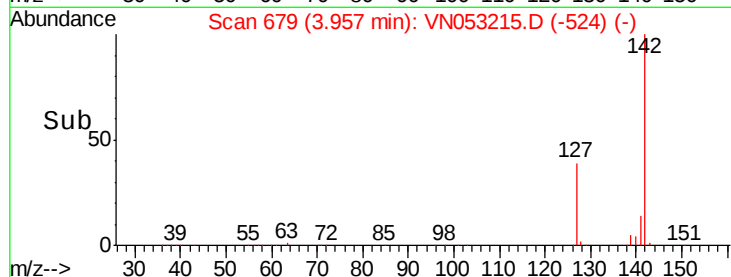
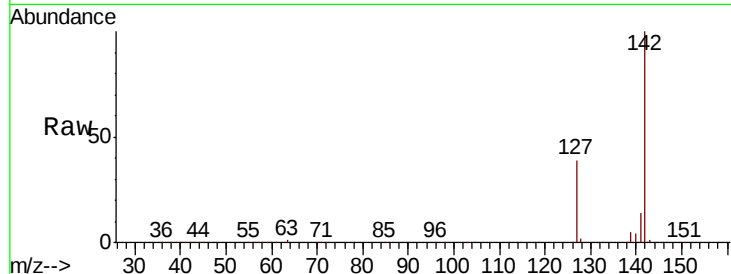
#11
Methvl Iodide
Concen: 158.352 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:142 Resp: 2266293
Ion Ratio Lower Upper
142 100
127 39.0 19.4 58.1
141 14.1 7.2 21.6

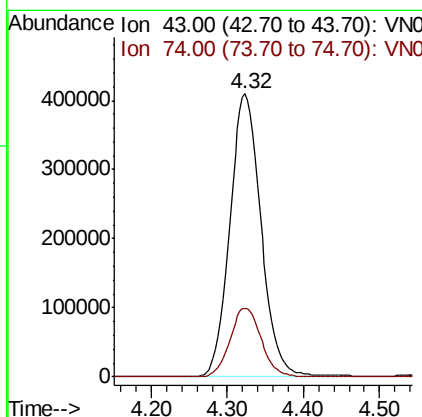
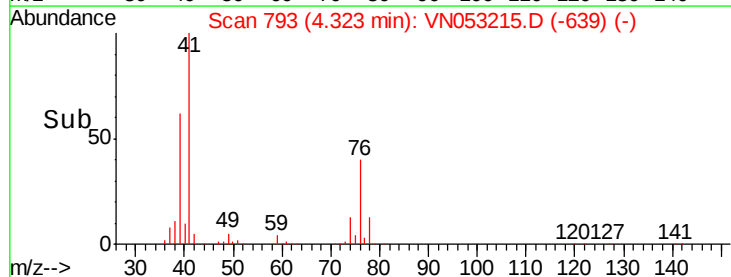
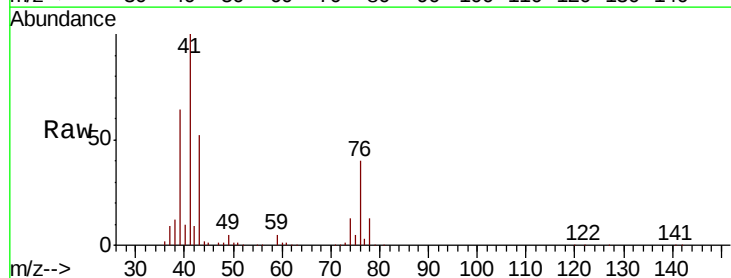
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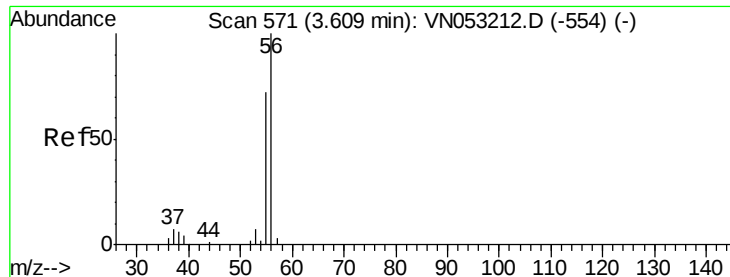
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#12
Methyl Acetate
Concen: 150.941 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Tgt Ion: 43 Resp: 1161055
Ion Ratio Lower Upper
43 100
74 24.4 18.9 28.3





#13

Acrolein

Concen: 783.189 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 713857

Ion Ratio Lower Upper

56 100

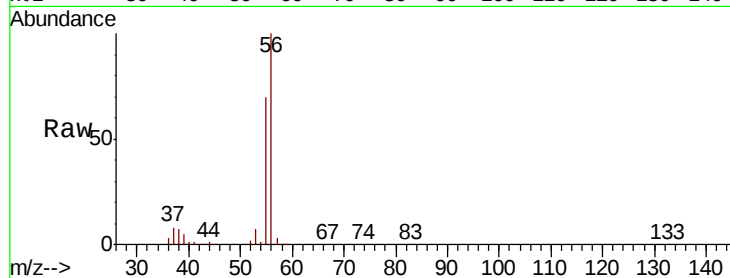
55 71.1 56.7 85.1

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

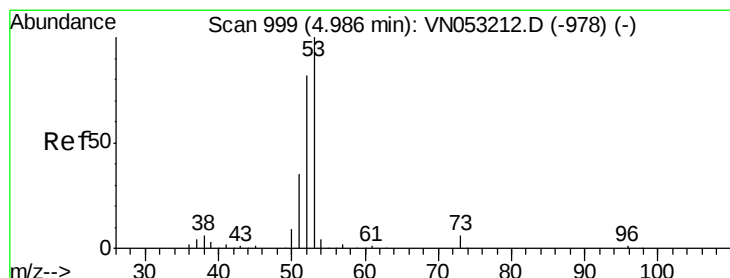
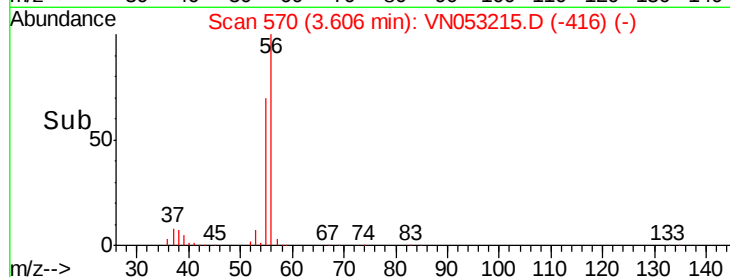
300000

200000

100000

0

Time-->



#14

Acrylonitrile

Concen: 746.285 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

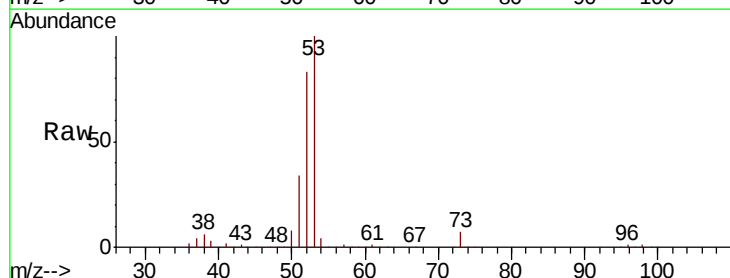
Tgt Ion: 53 Resp: 2573911

Ion Ratio Lower Upper

53 100

52 82.4 39.9 119.7

51 35.3 17.6 52.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.99

1000000

800000

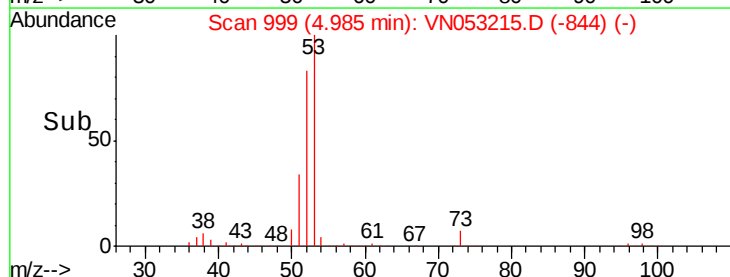
600000

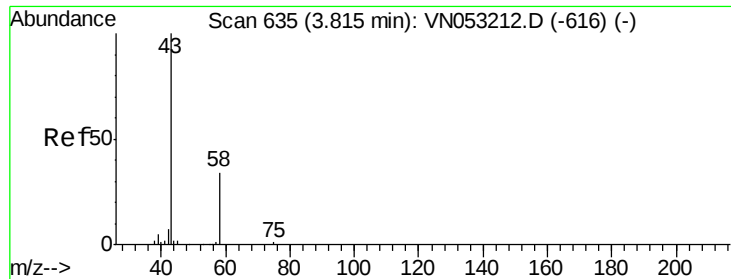
400000

200000

0

Time-->





#15

Acetone

Concen: 744.594 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 546033

Ion Ratio Lower Upper

58 100

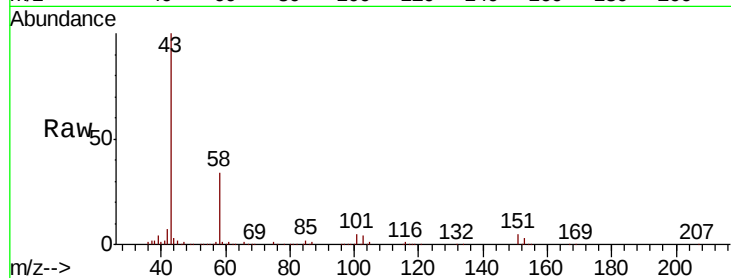
43 296.4 243.6 365.4

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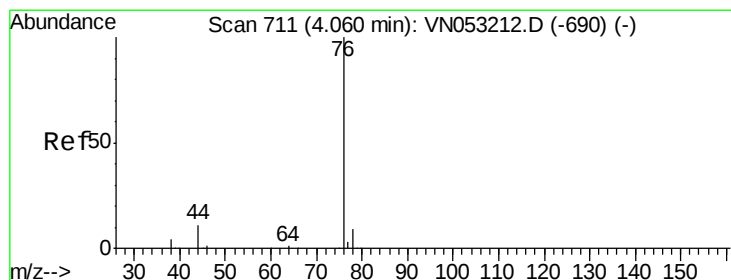
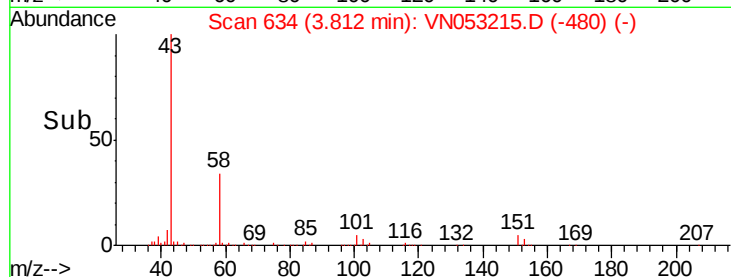
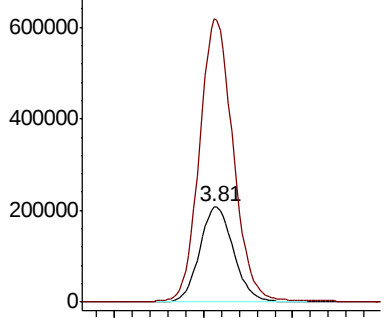
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Abundance Ion 58.00 (57.70 to 58.70): VN053215.D (-480) (-)

Ion 43.00 (42.70 to 43.70): VN053215.D (-480) (-)



#16

Carbon Disulfide

Concen: 150.187 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053215.D

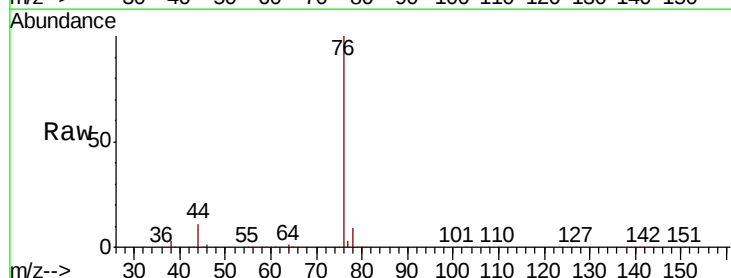
Acq: 28 Dec 2018 10:15

Tgt Ion: 76 Resp: 4564313

Ion Ratio Lower Upper

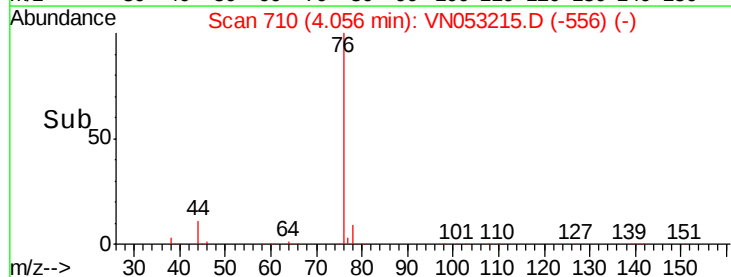
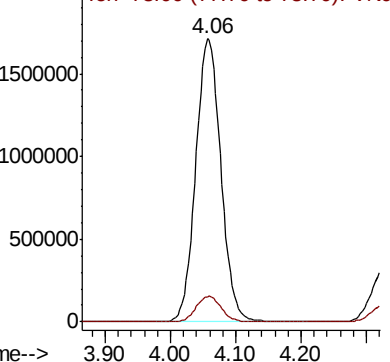
76 100

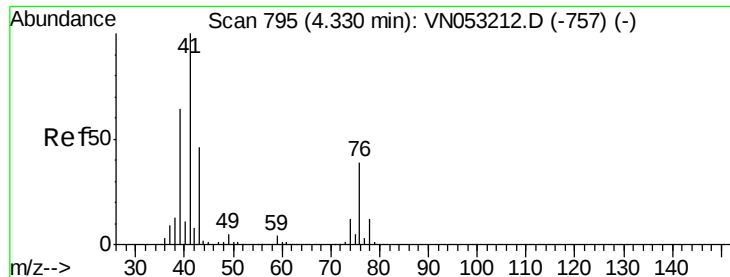
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN053215.D (-556) (-)

Ion 78.00 (77.70 to 78.70): VN053215.D (-556) (-)





#17

Allvl chloride

Concen: 148.082 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 41 Resp: 2307850

Ion Ratio Lower Upper

41 100

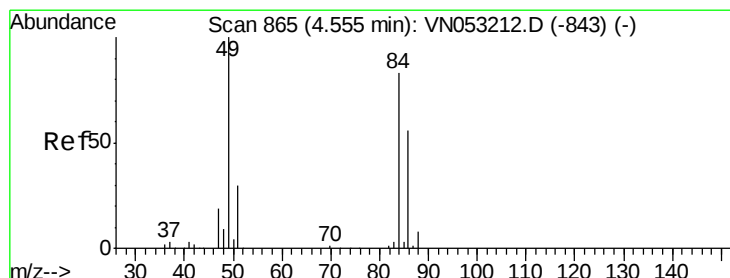
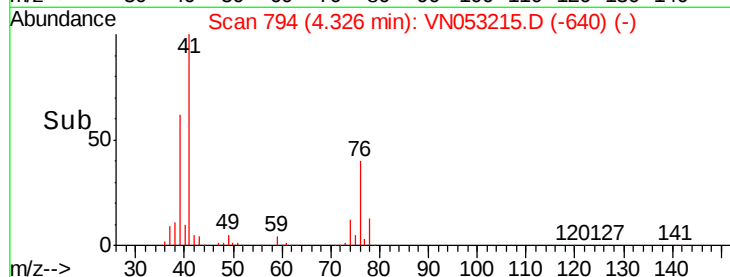
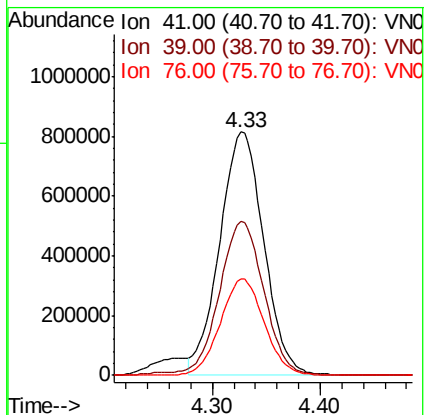
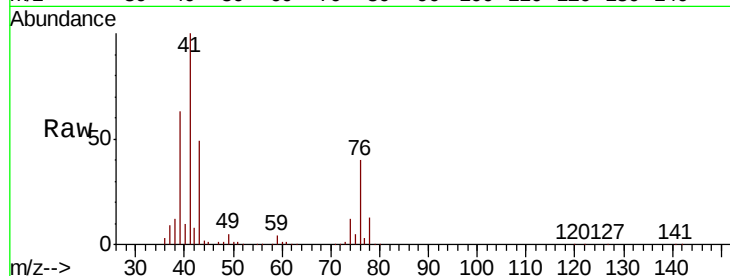
39 63.3 32.8 98.3

76 39.5 18.6 55.8

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#18

Methylene Chloride

Concen: 140.730 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Tgt Ion: 84 Resp: 1611455

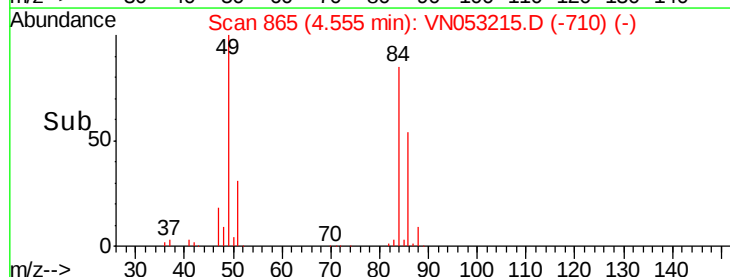
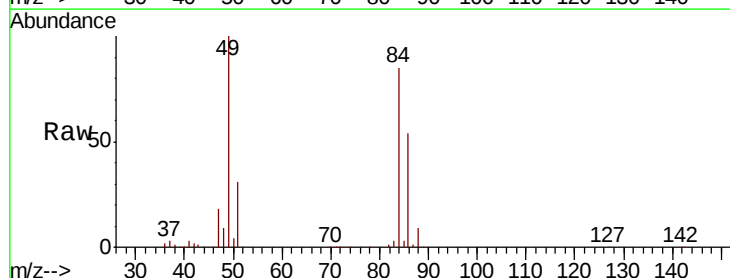
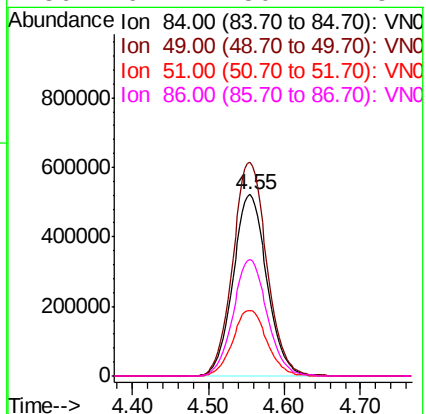
Ion Ratio Lower Upper

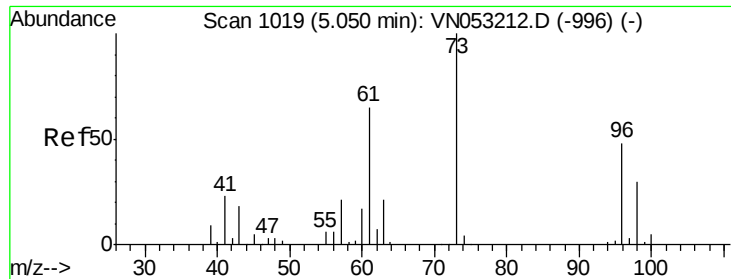
84 100

49 117.8 101.4 152.0

51 36.3 31.7 47.5

86 64.2 50.1 75.1





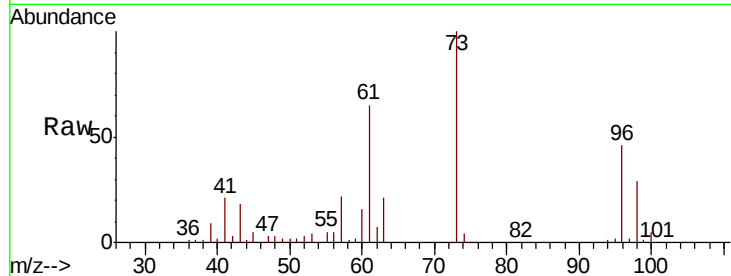
#19
trans-1,2-Dichloroethene
Concen: 145.456 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

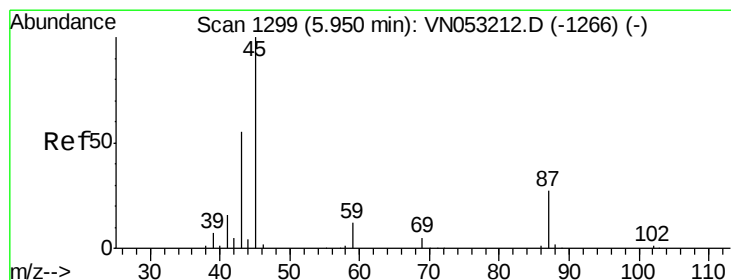
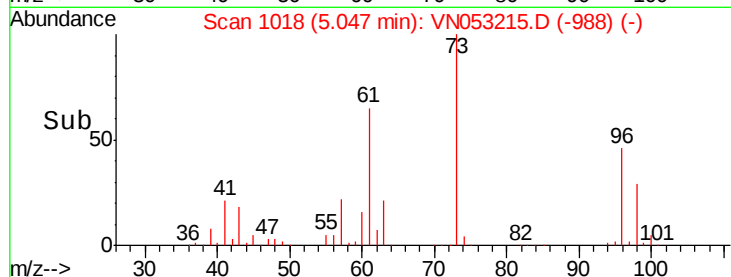
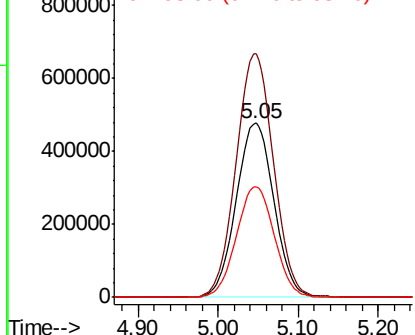
Tot Ion: 96 Resp: 1528253
Ion Ratio Lower Upper
96 100
61 140.0 118.2 177.4
98 63.8 51.4 77.2

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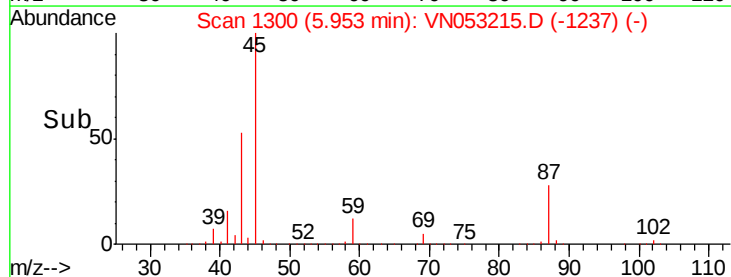
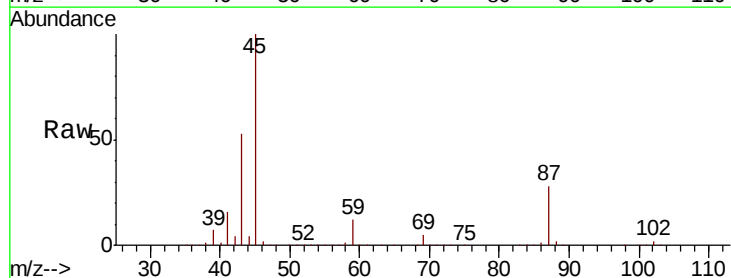
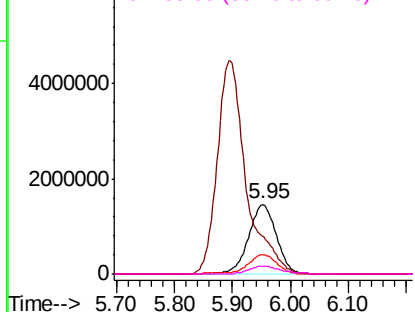
Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

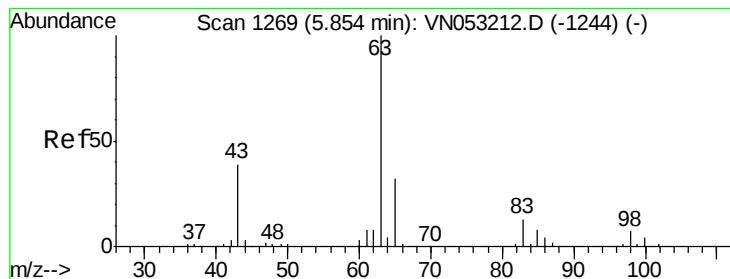


#20
Diisopropyl ether
Concen: 144.606 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Tgt Ion: 45 Resp: 4848948
Ion Ratio Lower Upper
45 100
43 52.9 47.8 71.8
87 28.0 21.3 31.9
59 11.8 8.9 13.3

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#21

1,1-Dichloroethane

Concen: 145.846 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 2842741

Ion Ratio Lower Upper

63 100

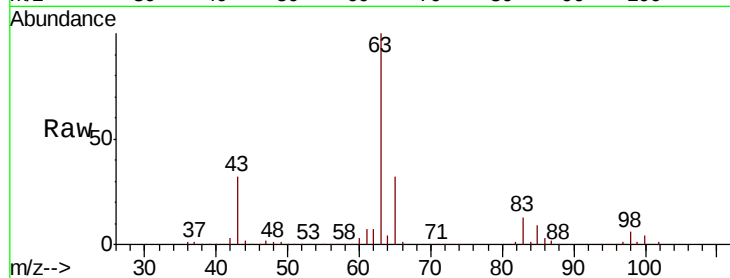
98 6.5 3.0 9.2

100 4.2 1.8 5.5

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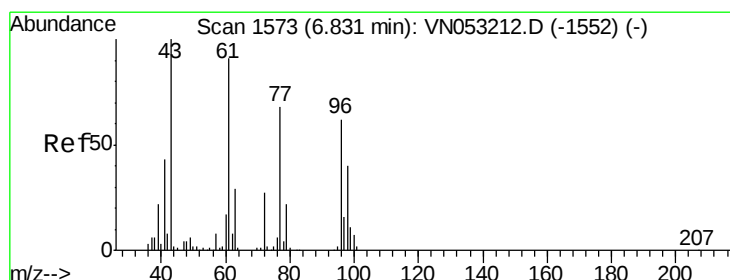
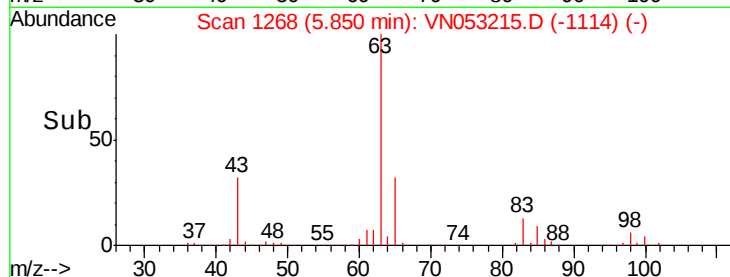
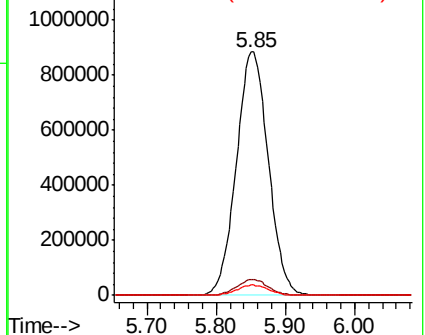
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Abundance Ion 63.00 (62.70 to 63.70): VN053215.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN053215.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN053215.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 148.280 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

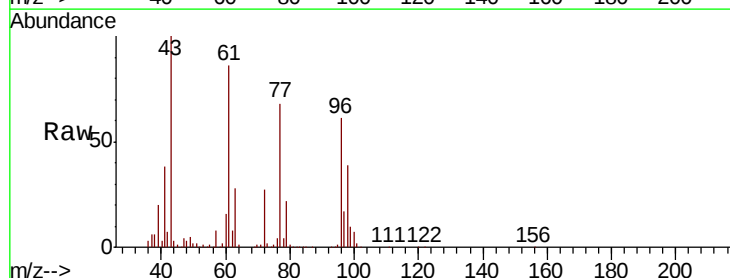
Tgt Ion: 96 Resp: 1748302

Ion Ratio Lower Upper

96 100

61 142.2 116.7 175.1

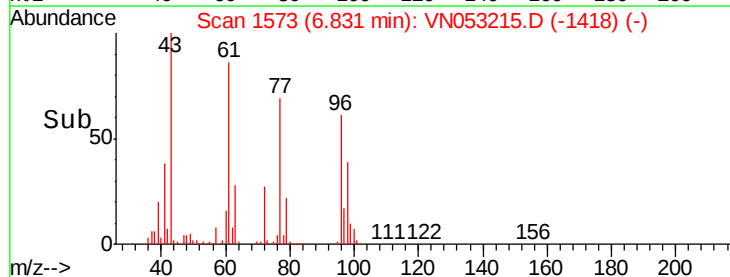
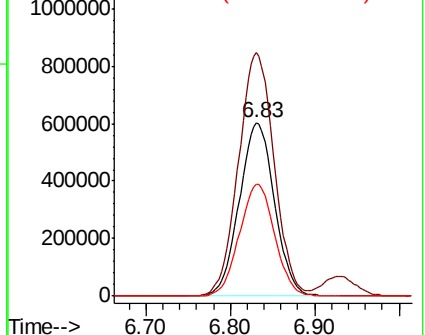
98 64.6 50.8 76.2

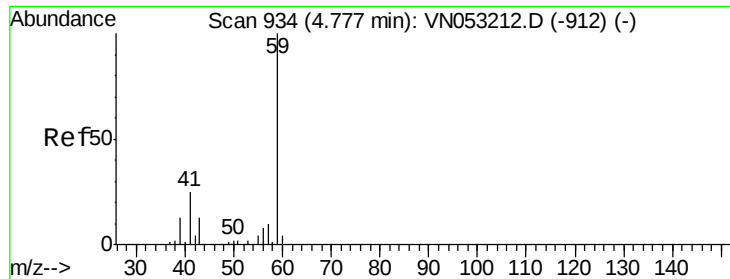


Abundance Ion 96.00 (95.70 to 96.70): VN053215.D (-1418) (-)

Ion 61.00 (60.70 to 61.70): VN053215.D (-1418) (-)

Ion 98.00 (97.70 to 98.70): VN053215.D (-1418) (-)





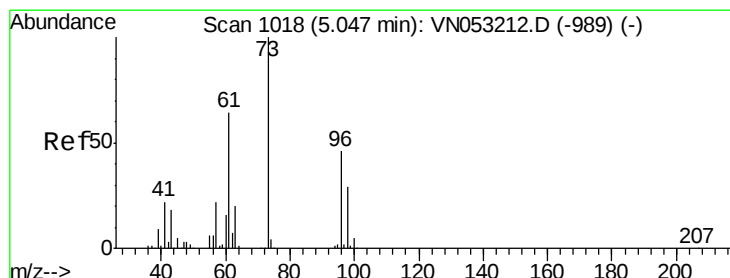
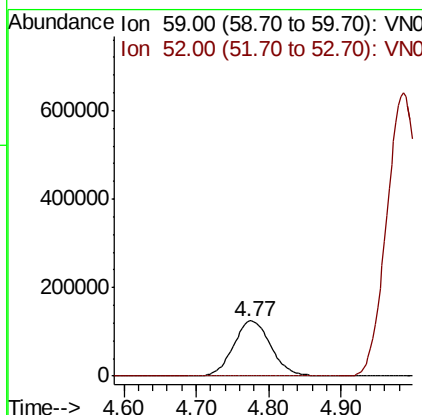
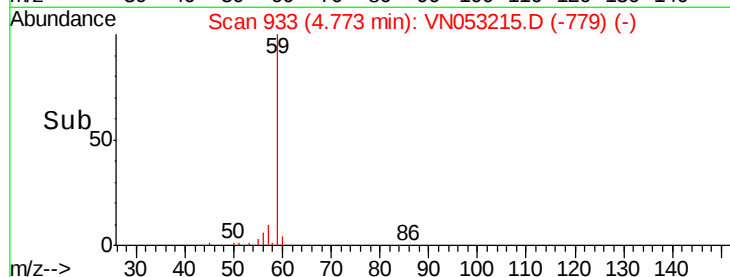
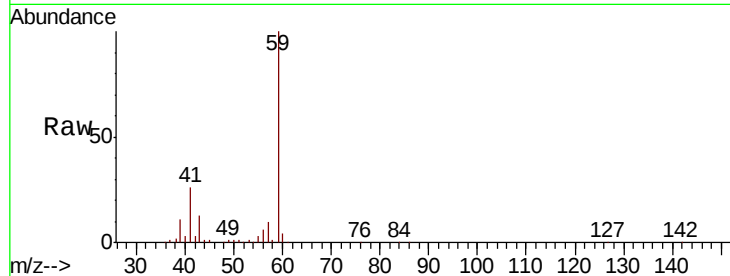
#23
tert-Butyl Alcohol
Concen: 783.543 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 451076
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#

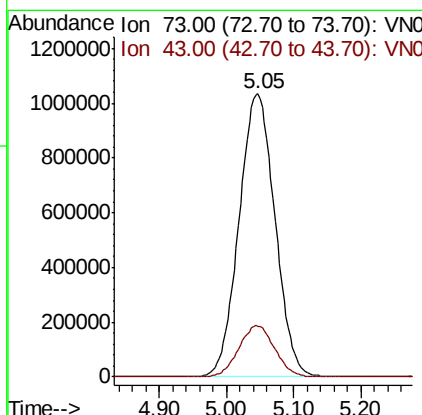
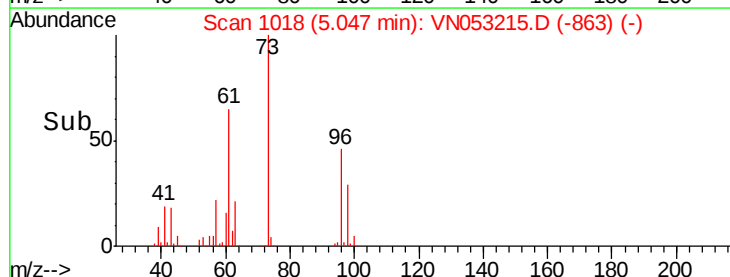
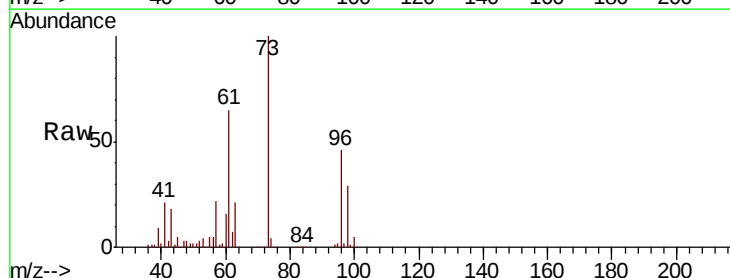
Manual Integrations
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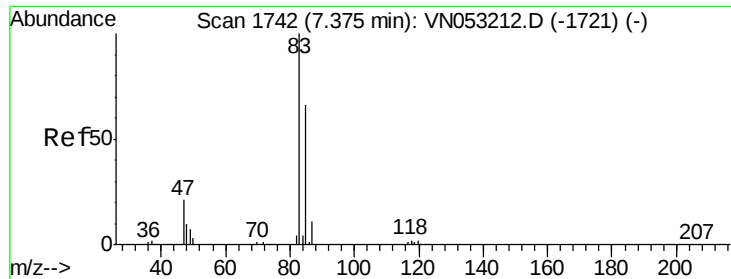
MMDadoda
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#24
Methyl tert-Butyl Ether
Concen: 148.892 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Tgt Ion: 73 Resp: 3842202
Ion Ratio Lower Upper
73 100
43 18.0 15.8 23.8





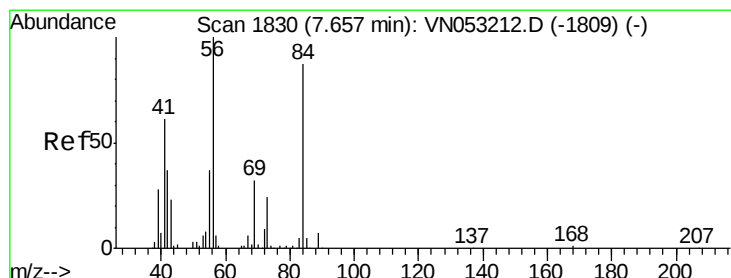
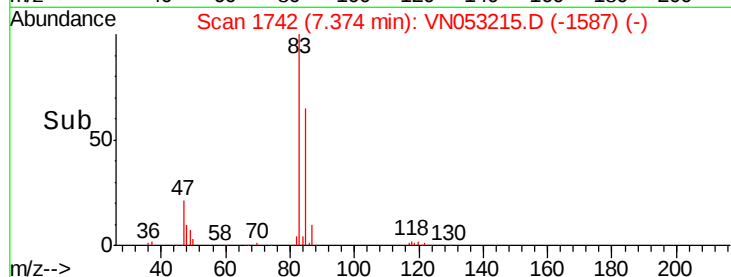
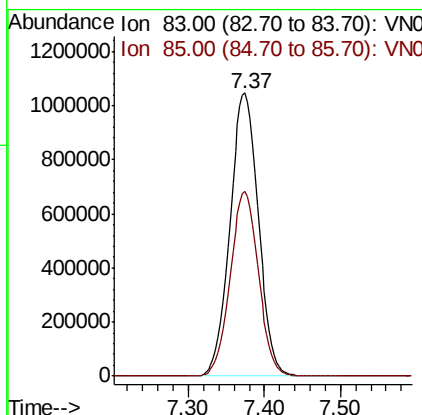
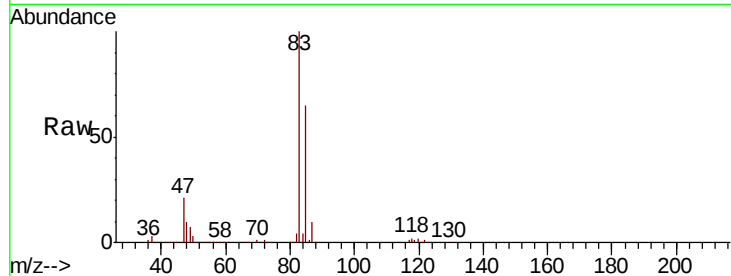
#25
Chloroform
Concen: 144.886 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 2718006
Ion Ratio Lower Upper
83 100
85 65.1 51.7 77.5

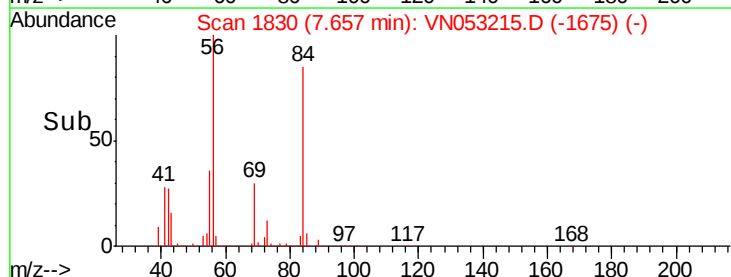
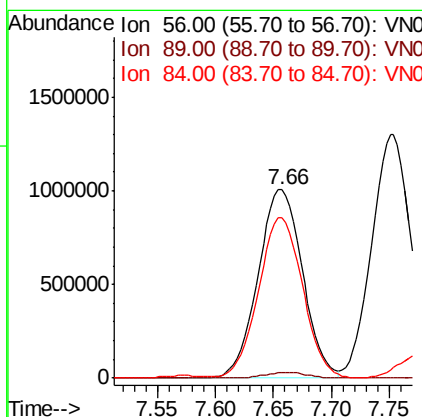
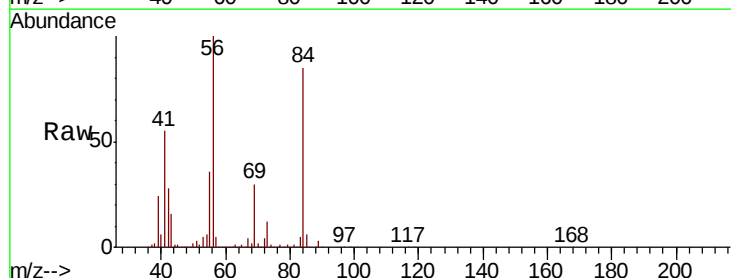
Manual Integrations
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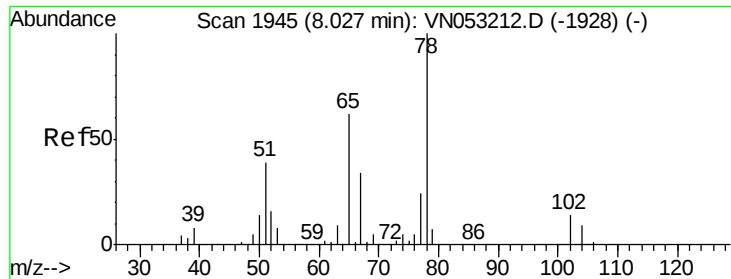
MMDadoda
1/2/2019 9:48:16 AM



#26
Cyclohexane
Concen: 148.301 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Tgt Ion: 56 Resp: 2687221
Ion Ratio Lower Upper
56 100
89 2.9 0.5 0.7#
84 84.7 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 148.301 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 318271

Ion Ratio Lower Upper

65 100

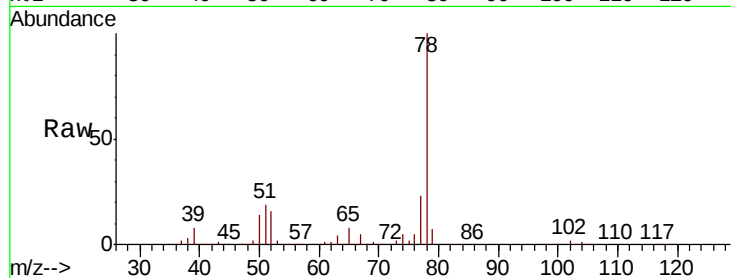
67 55.1 44.6 66.8

Manual Integrations

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MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

150000

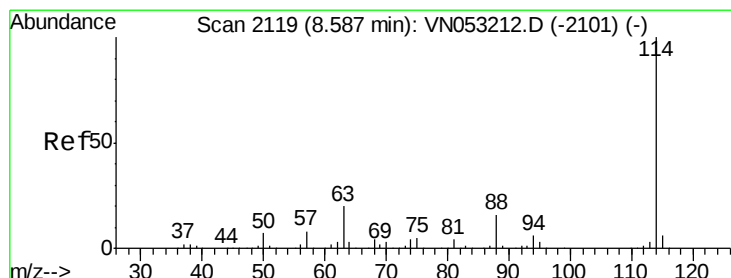
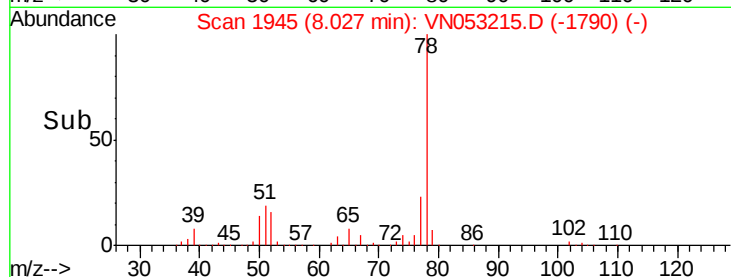
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

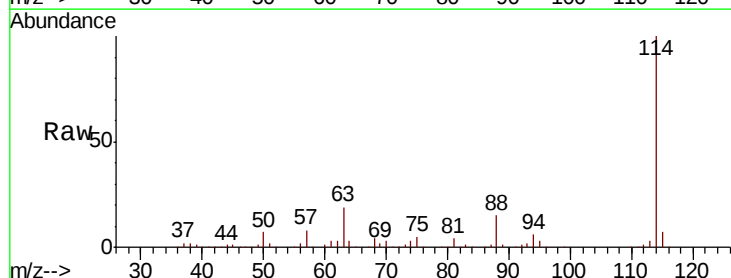
Tgt Ion: 114 Resp: 978285

Ion Ratio Lower Upper

114 100

63 19.5 16.9 25.3

88 15.4 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

600000

500000

400000

300000

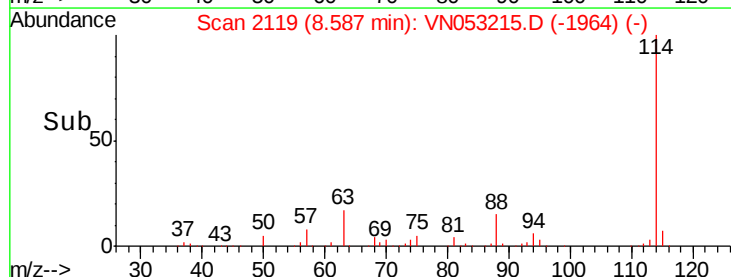
200000

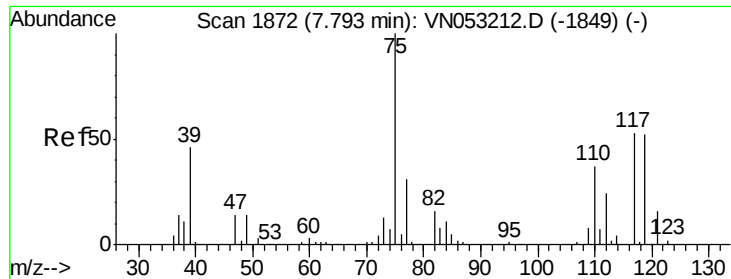
100000

0

8.50 8.55 8.60 8.65 8.70

Time-->





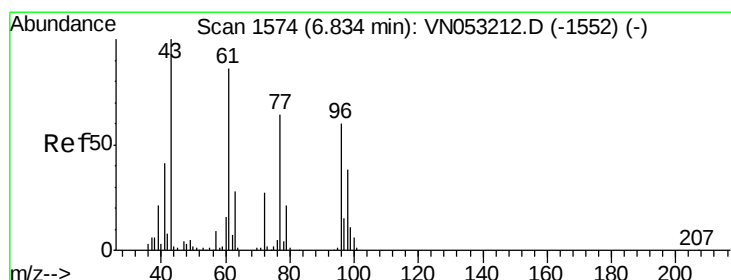
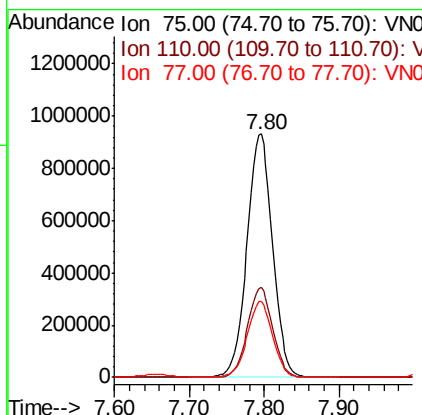
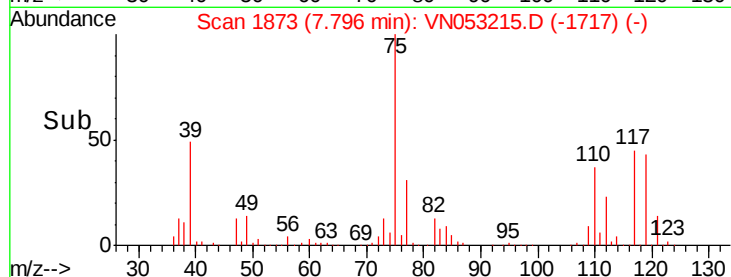
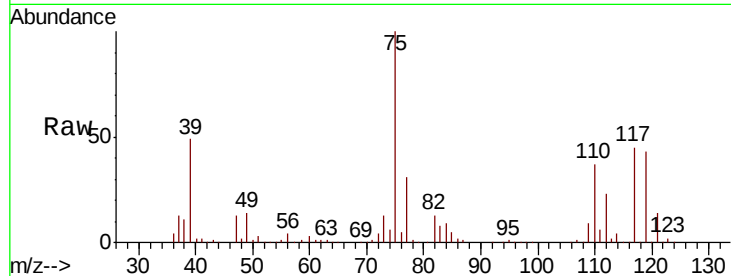
#29
 1,1-Dichloropropene
 Concen: 149.521 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053215.D
 Acq: 28 Dec 2018 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 2217133
 Ion Ratio Lower Upper
 75 100
 110 36.3 0.0 70.2
 77 31.0 0.0 62.6

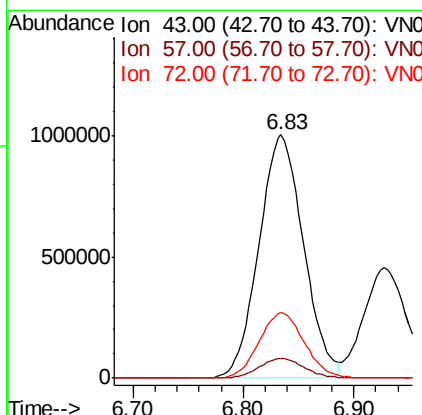
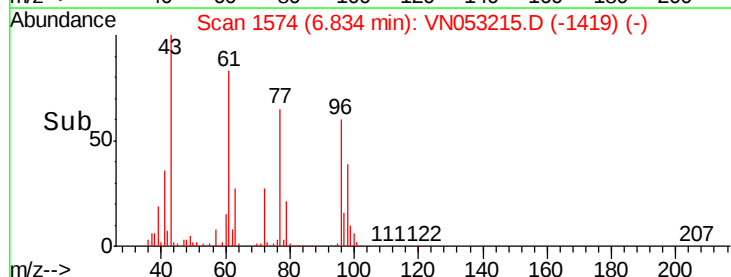
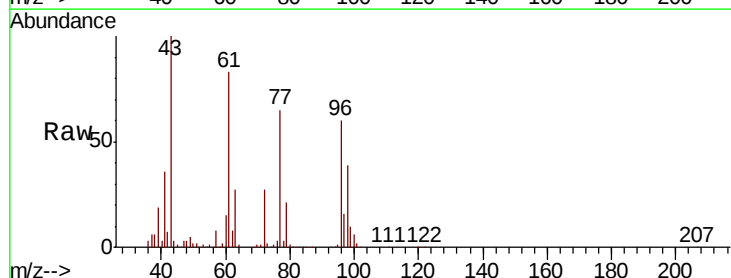
Manual Integrations
 APPROVED

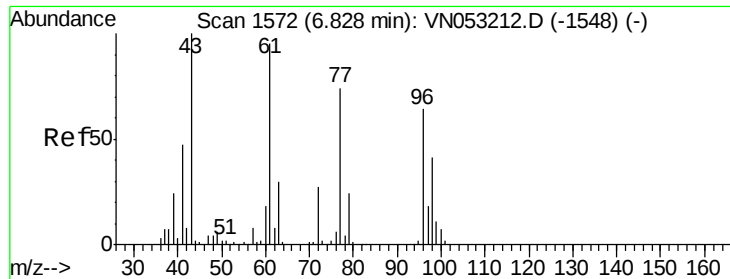
MMDadoda
 1/2/2019 9:48:16 AM



#30
 2-Butanone
 Concen: 761.020 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN053215.D
 Acq: 28 Dec 2018 10:15

Tgt Ion: 43 Resp: 2805260
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.2 9.4
 72 27.5 21.0 31.6





#31

2,2-Dichloropropane

Concen: 151.527 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 77 Resp: 2169346

Ion Ratio Lower Upper

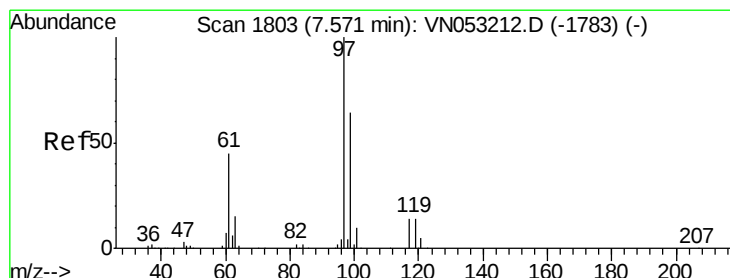
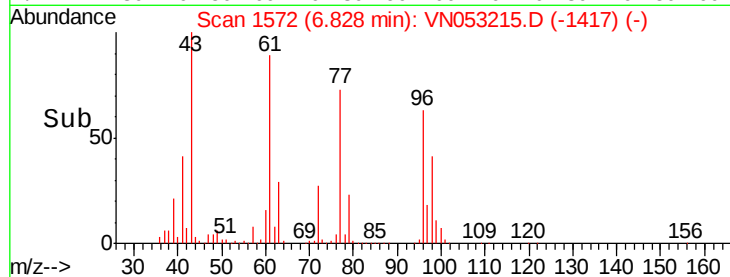
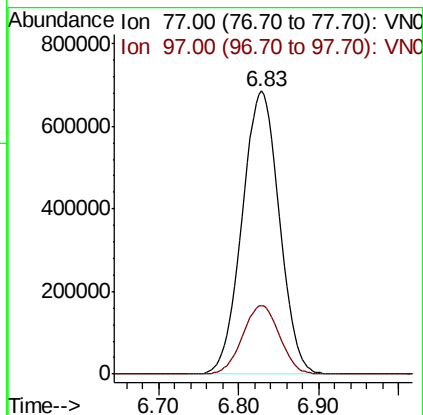
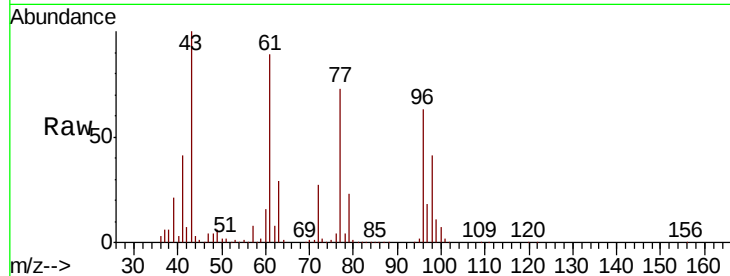
77 100

97 24.1 18.7 28.1

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#32

1,1,1-Trichloroethane

Concen: 151.004 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

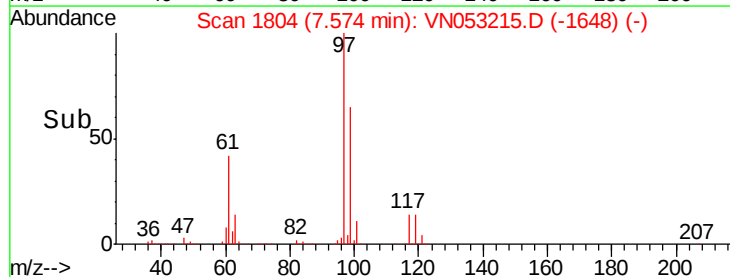
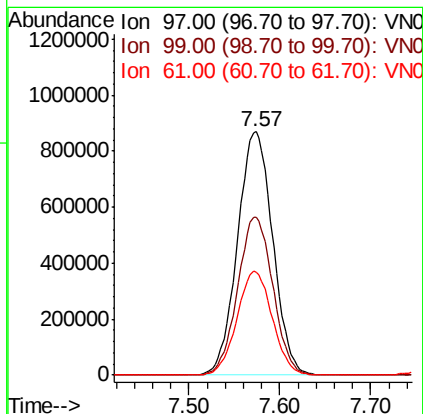
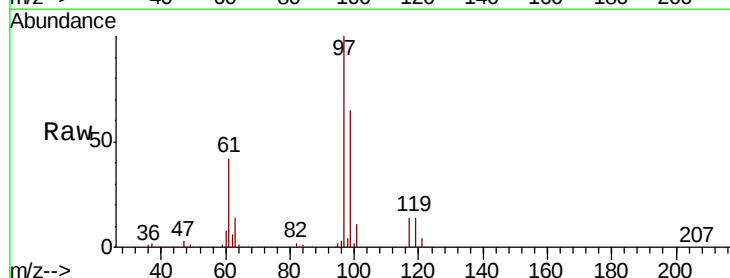
Tgt Ion: 97 Resp: 2341369

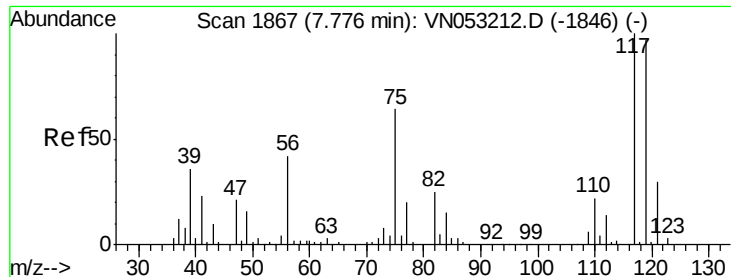
Ion Ratio Lower Upper

97 100

99 64.8 50.9 76.3

61 42.7 38.1 57.1





#33

Carbon Tetrachloride

Concen: 153.861 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:117 Resp: 2080346

Ion Ratio Lower Upper

117 100

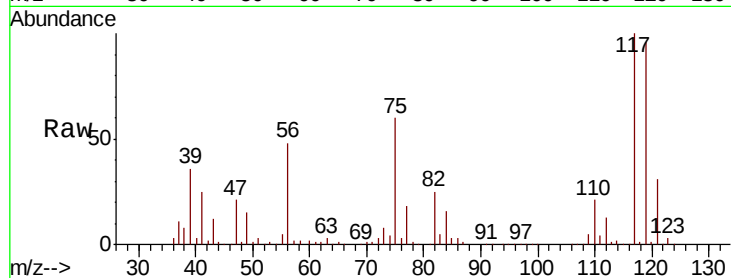
119 96.4 77.3 115.9

121 30.8 24.9 37.3

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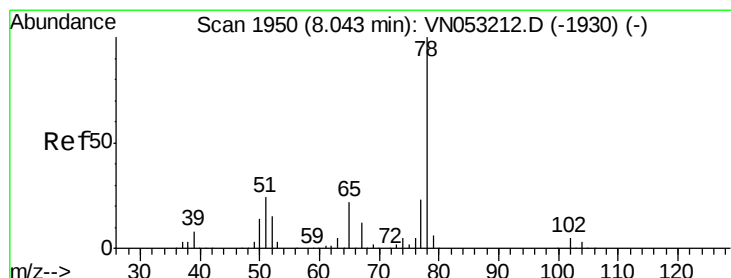
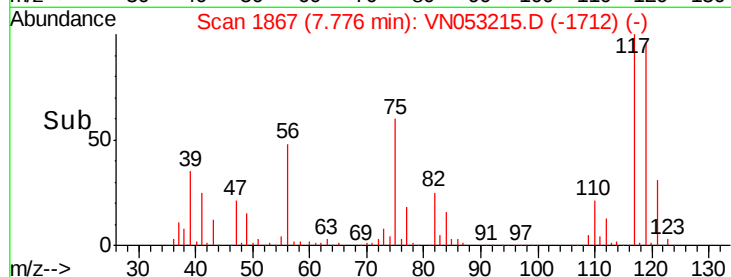
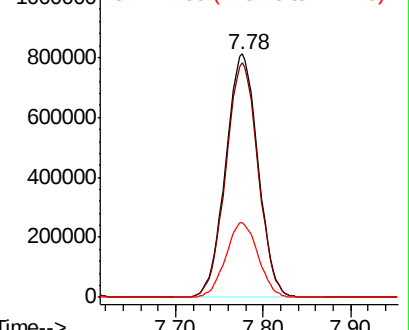
1/2/2019 9:48:16 AM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 146.595 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

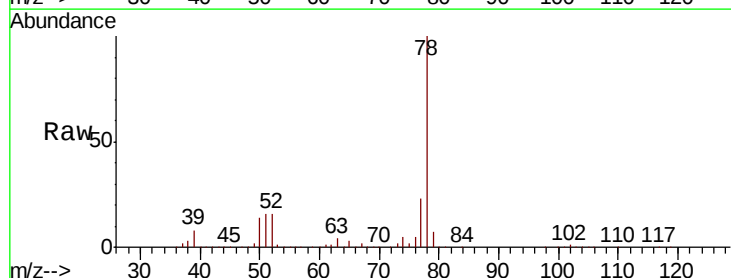
Tgt Ion: 78 Resp: 6558313

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.6

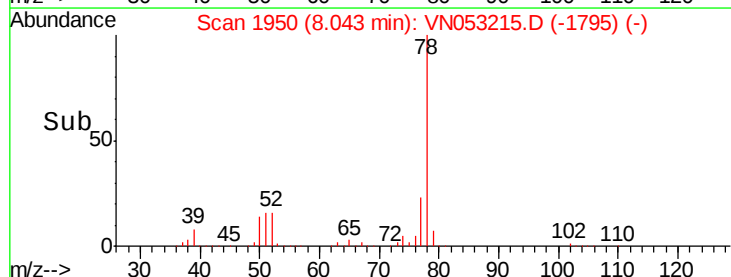
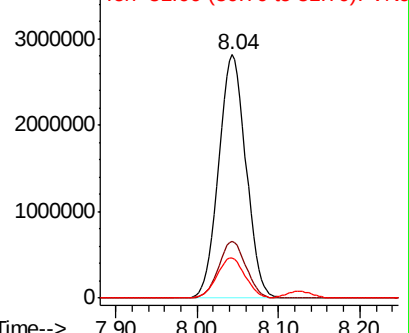
51 16.5 20.5 30.7#

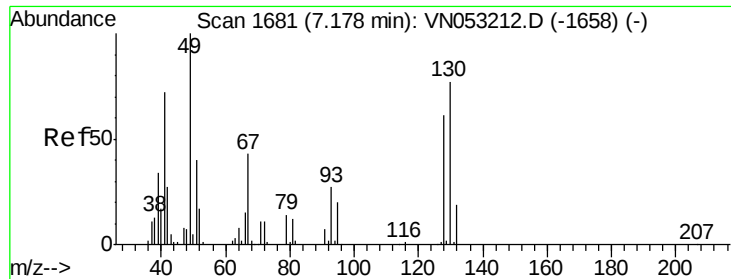


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





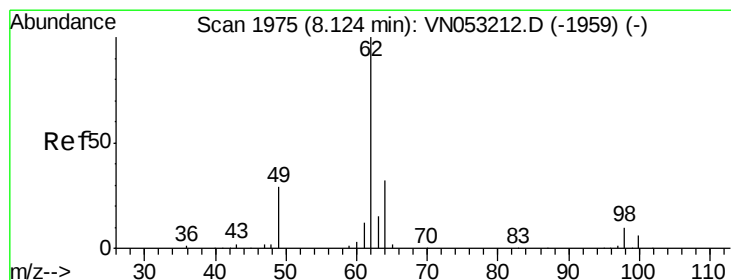
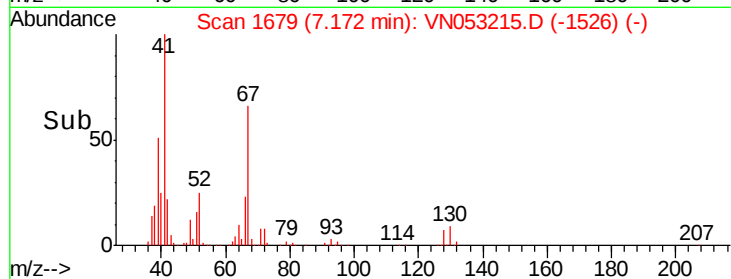
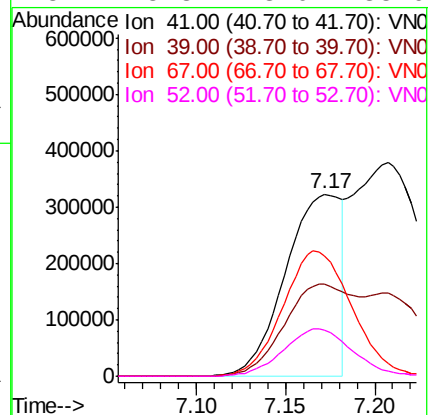
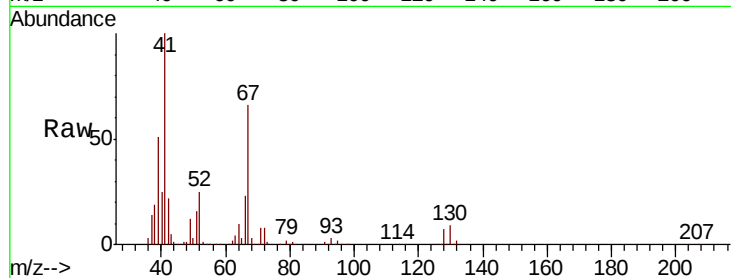
#35
Methacrylonitrile
Concen: 145.810 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.5	26.6	79.7
67	66.2	32.3	96.9
52	25.3	13.0	38.9

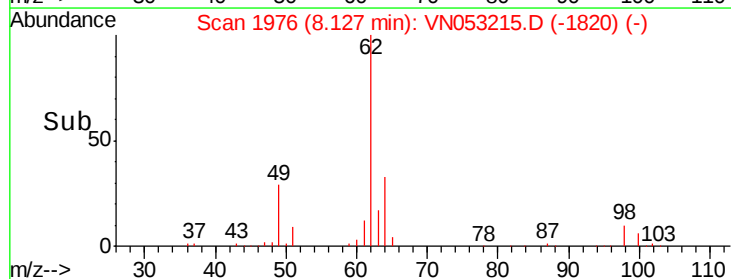
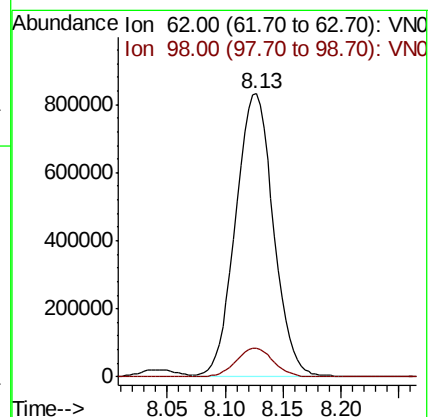
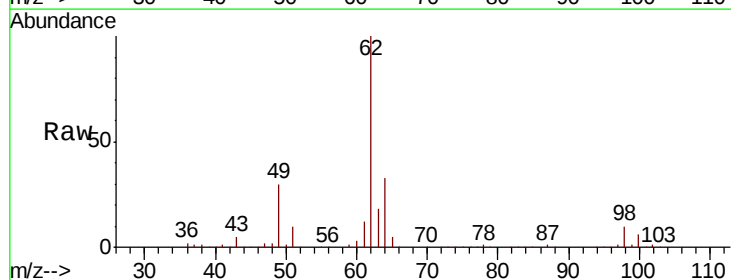
Manual Integrations
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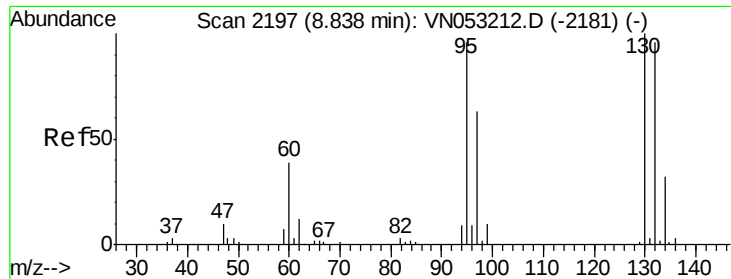
MMDadoda
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#36
1,2-Dichloroethane
Concen: 144.223 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	7.4	11.2





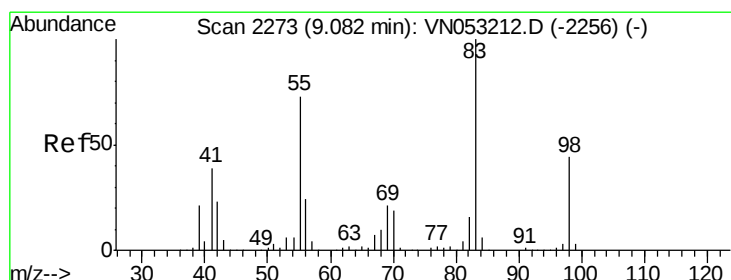
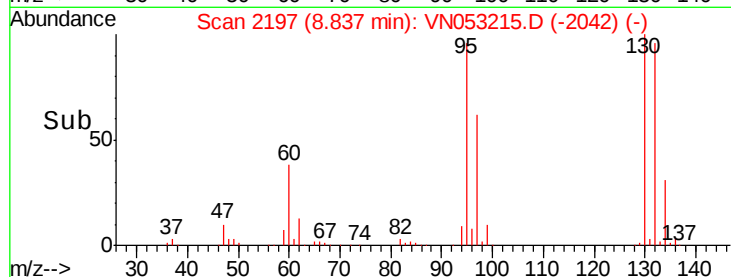
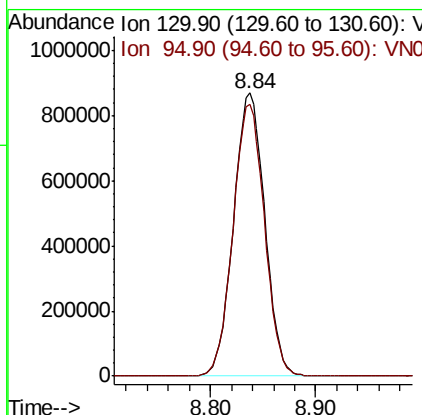
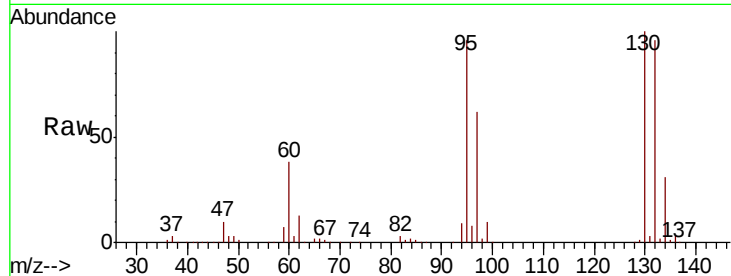
#37
 Trichloroethene
 Concen: 147.405 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053215.D
 Acq: 28 Dec 2018 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:130 Resp: 1784523
 Ion Ratio Lower Upper
 130 100
 95 96.2 81.0 121.4

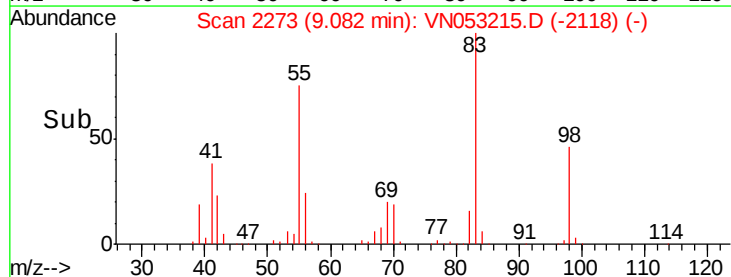
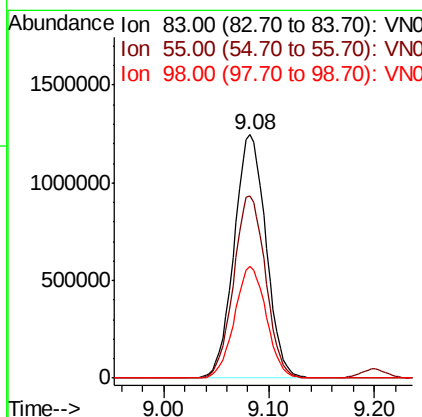
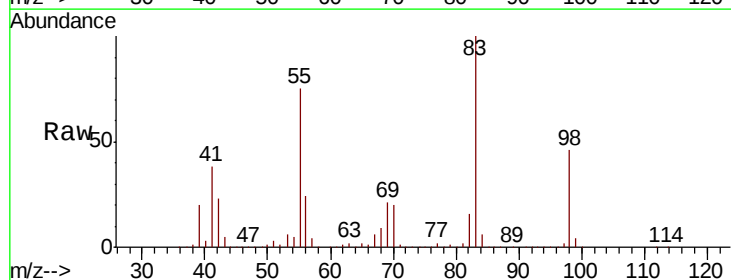
Manual Integrations
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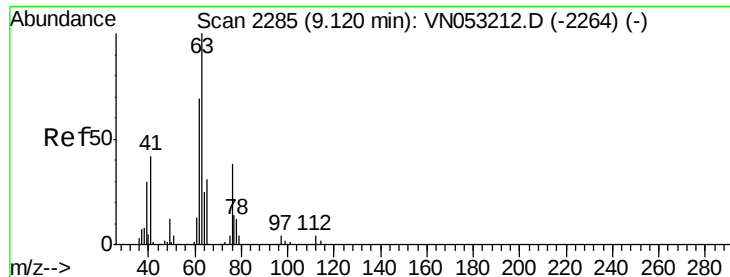
MMDadoda
 1/2/2019 9:48:16 AM



#38
 Methylcyclohexane
 Concen: 151.085 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN053215.D
 Acq: 28 Dec 2018 10:15

Tgt Ion: 83 Resp: 2614870
 Ion Ratio Lower Upper
 83 100
 55 74.9 39.8 119.4
 98 45.7 22.9 68.5





#39

1,2-Dichloropropane

Concen: 148.586 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1731187

Ion Ratio Lower Upper

63 100

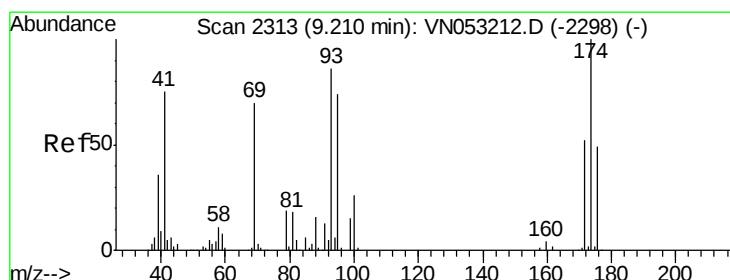
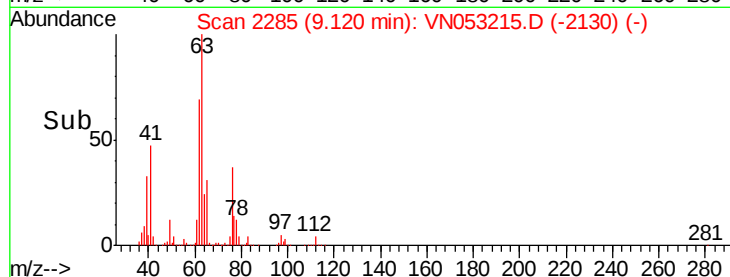
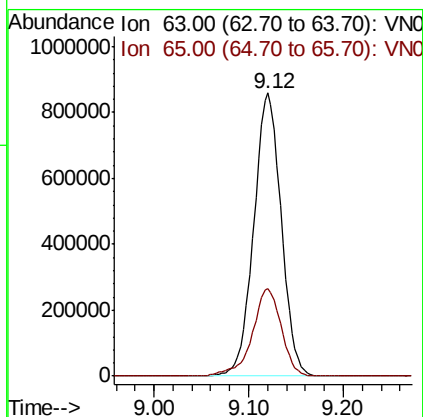
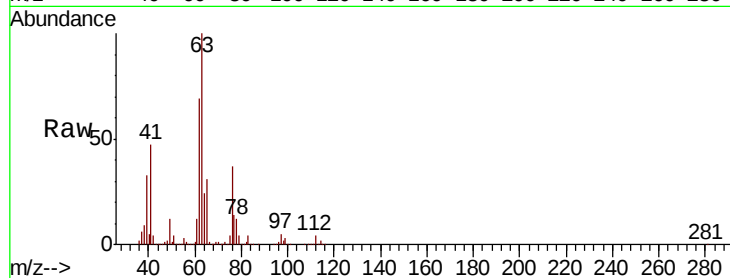
65 31.0 23.6 35.4

Manual Integrations

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1/2/2019 9:48:16 AM



#40

Dibromomethane

Concen: 146.677 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

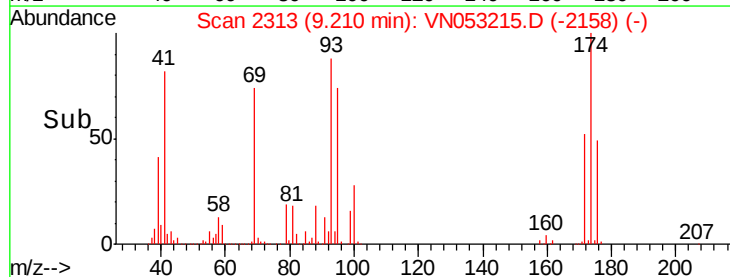
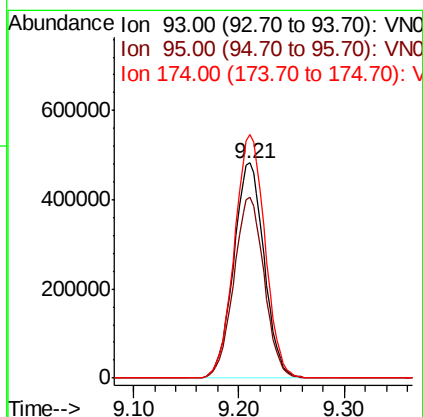
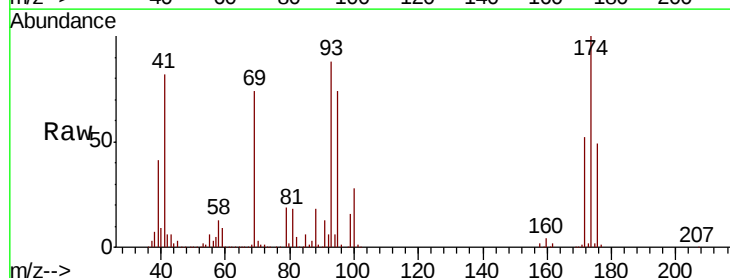
Tgt Ion: 93 Resp: 968940

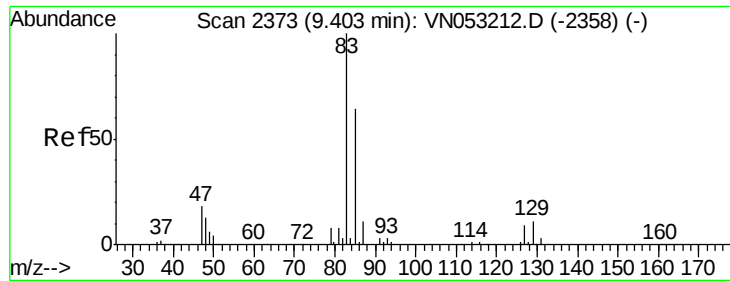
Ion Ratio Lower Upper

93 100

95 83.8 0.0 168.4

174 113.6 0.0 210.0





#41

Bromodichloromethane

Concen: 149.092 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 2108266

Ion Ratio Lower Upper

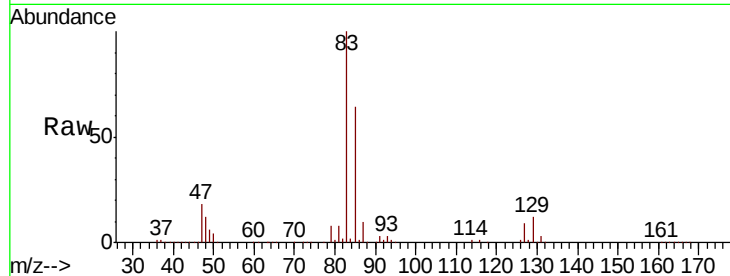
83 100

85 64.0 52.4 78.6

127 8.9 6.6 9.8

Manual Integrations
APPROVED

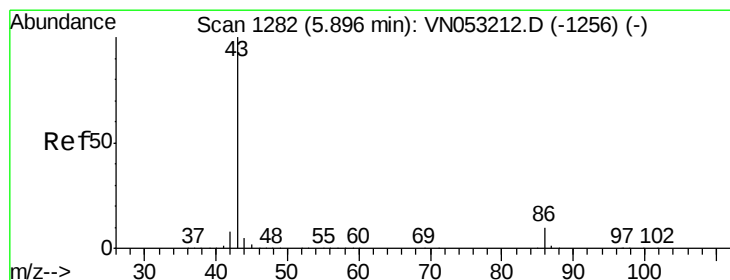
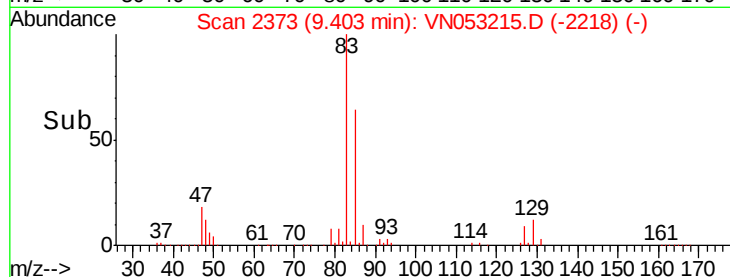
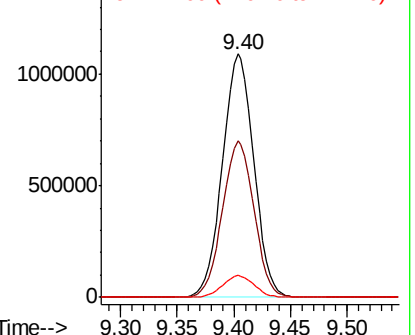
MMDadoda
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Abundance Ion 83.00 (82.70 to 83.70): VN053215.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN053215.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN053215.D (-2218) (-)



#42

Vinyl Acetate

Concen: 769.176 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN053215.D

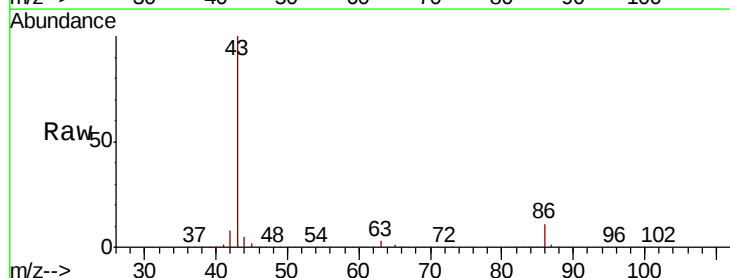
Acq: 28 Dec 2018 10:15

Tgt Ion: 43 Resp: 15435097

Ion Ratio Lower Upper

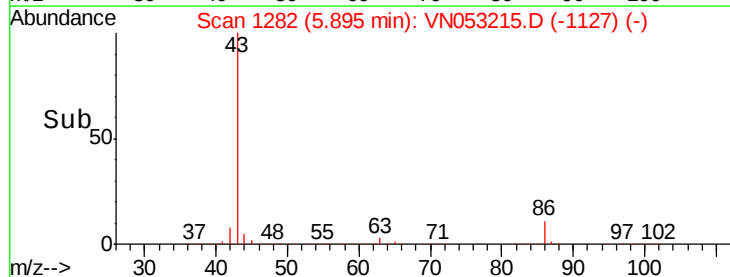
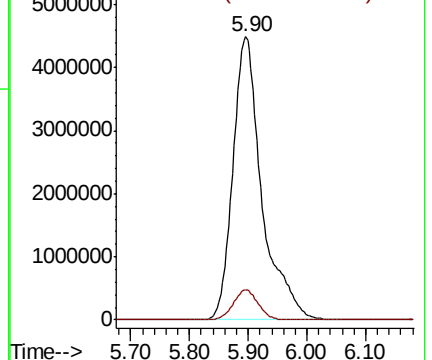
43 100

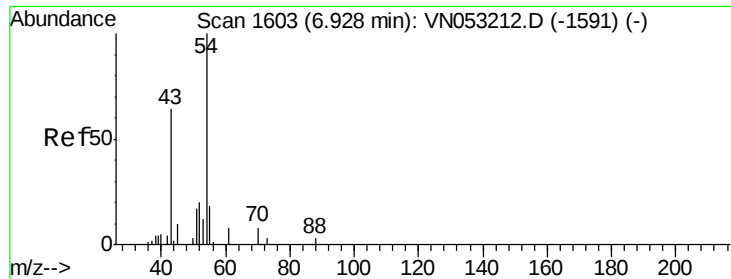
86 9.2 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN053215.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN053215.D (-1127) (-)





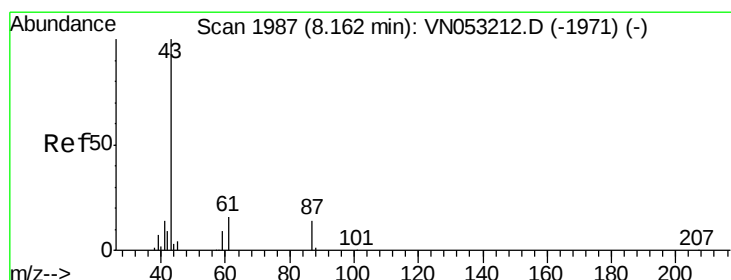
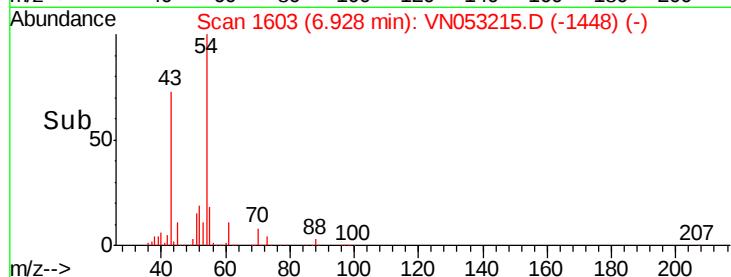
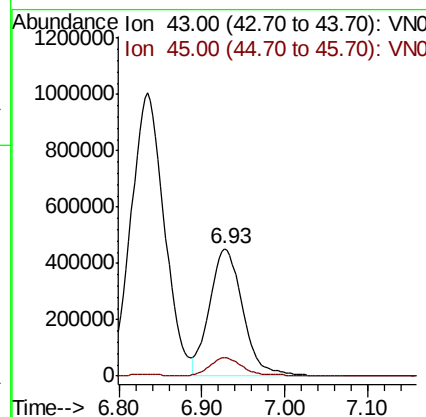
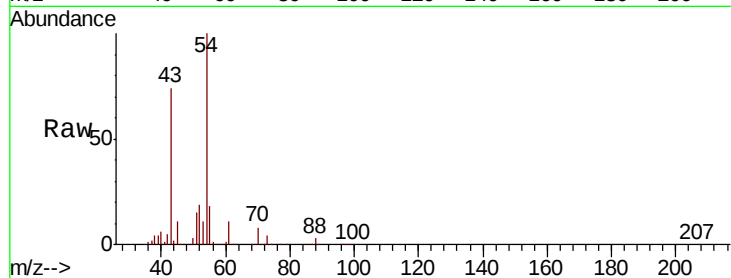
#43
Ethyl Acetate
Concen: 153.999 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1264714
Ion Ratio Lower Upper
43 100
45 13.5 1.0 1.6#

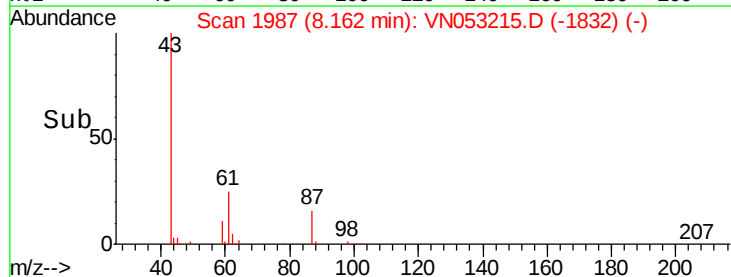
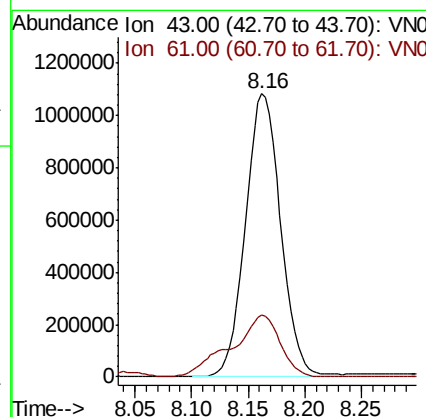
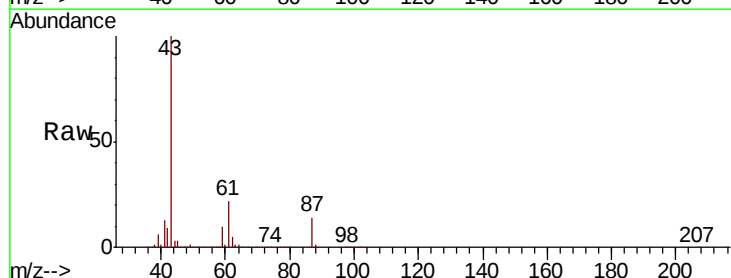
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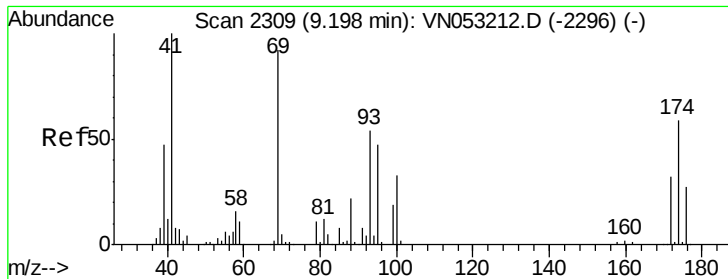
MMDadoda
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#44
Isopropyl Acetate
Concen: 153.550 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Tgt Ion: 43 Resp: 2350423
Ion Ratio Lower Upper
43 100
61 30.3 16.0 24.0#





#45

1,4-Dioxane

Concen: 3084.443 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

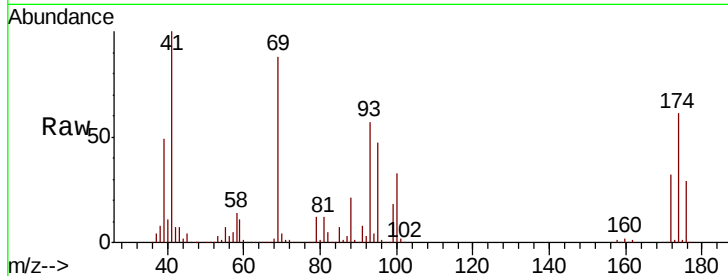
ClientSampleId :

VSTDIC150

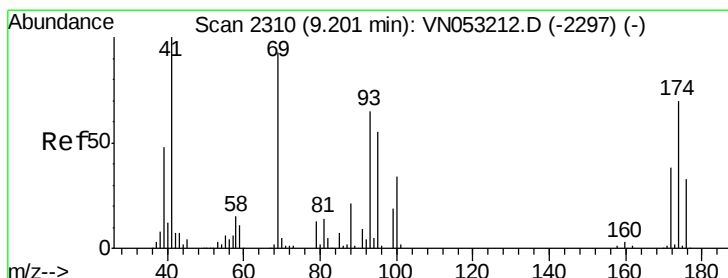
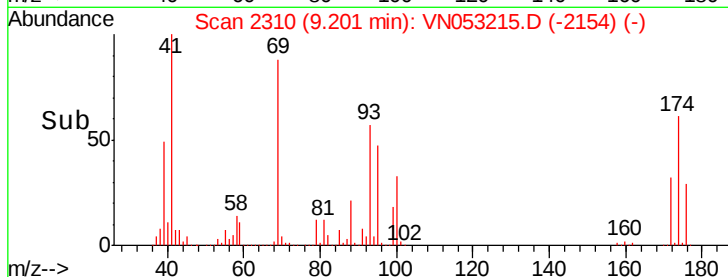
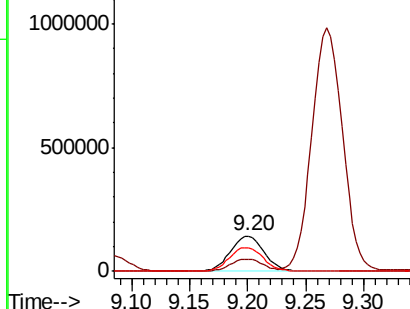
Tot Ion:	88	Resp:	288460
Ion	Ratio	Lower	Upper
88	100		
43	32.2	29.5	44.3
58	68.8	61.5	92.3

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



#46

Methyl methacrylate

Concen: 157.117 ug/l

RT: 9.20 min Scan# 2310

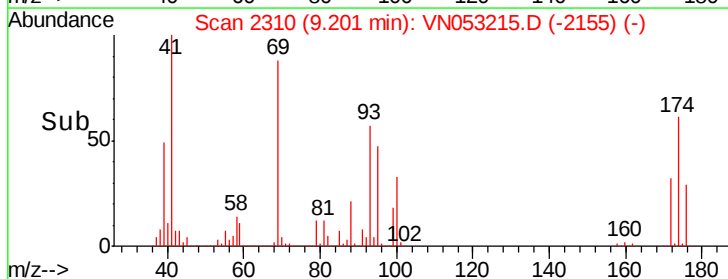
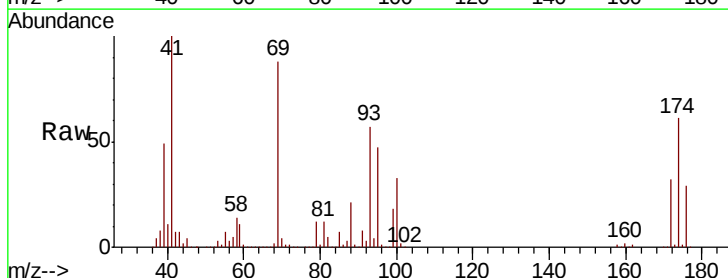
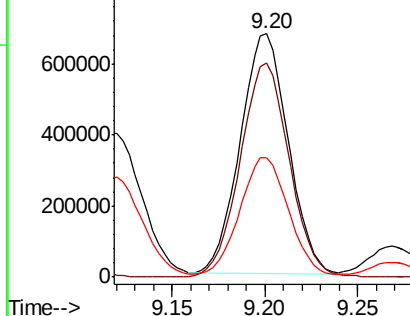
Delta R.T. -0.00 min

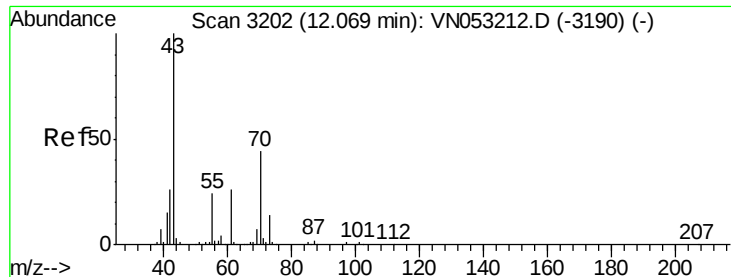
Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Tgt Ion:	41	Resp:	1209262
Ion	Ratio	Lower	Upper
41	100		
69	89.3	42.5	127.6
39	49.2	26.3	78.9

Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 162.242 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2156115

Ion Ratio Lower Upper

43 100

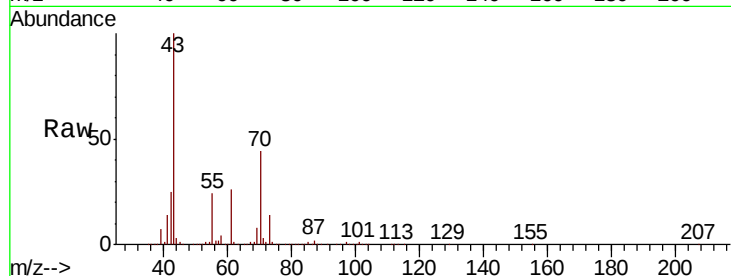
55 24.4 21.1 31.7

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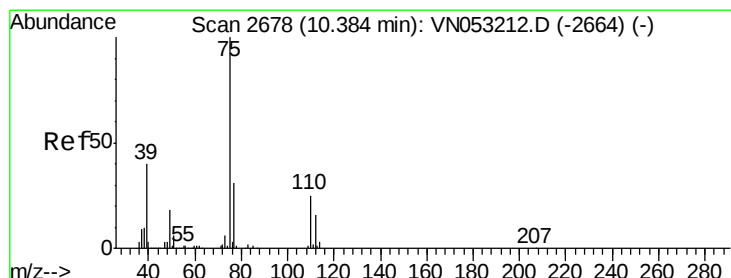
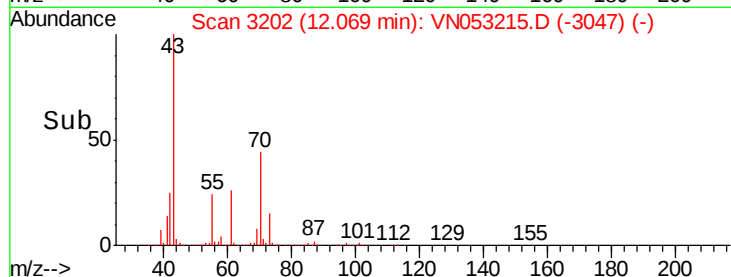
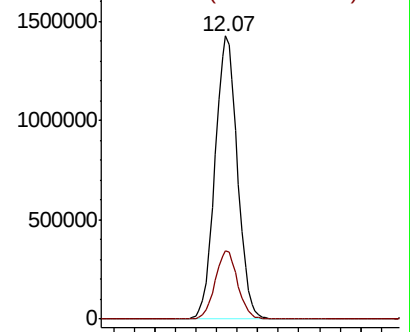
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 159.906 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN053215.D

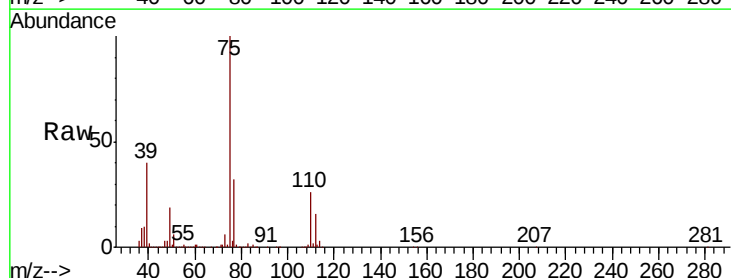
Acq: 28 Dec 2018 10:15

Tgt Ion: 75 Resp: 2275019

Ion Ratio Lower Upper

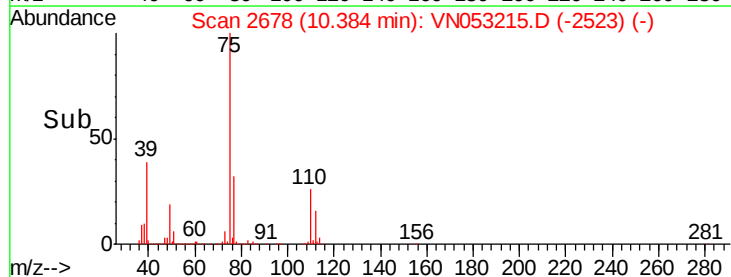
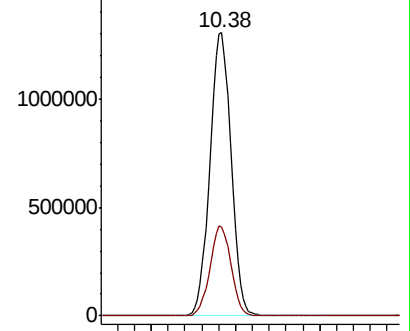
75 100

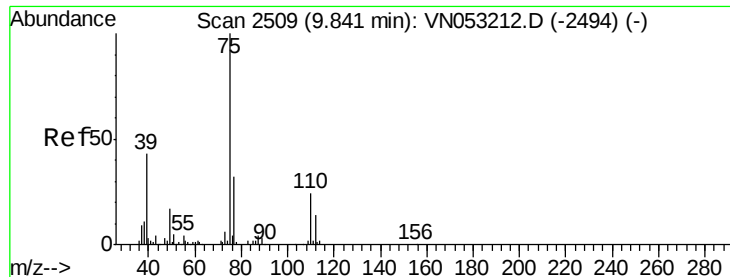
77 31.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

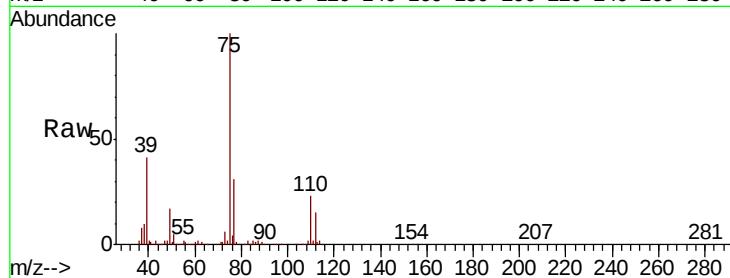
cis-1,3-Dichloropropene
Concen: 152.784 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

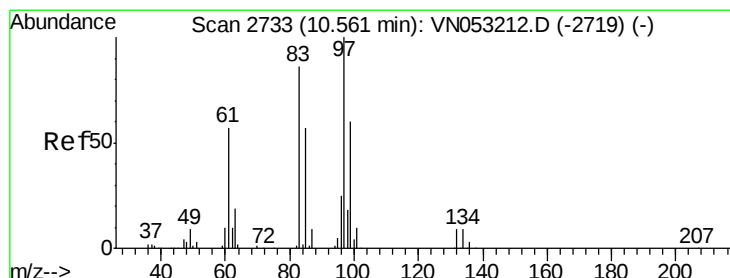
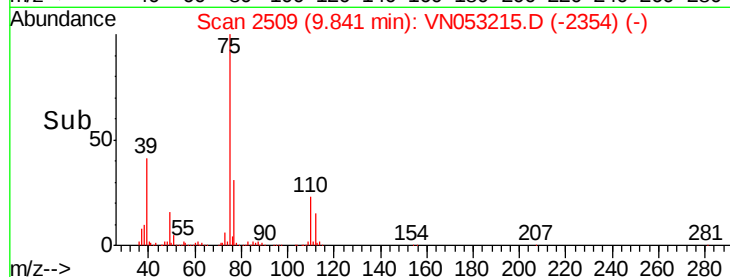
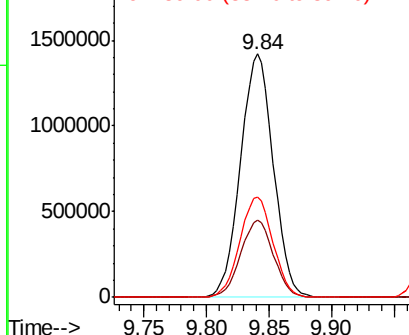
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	41.3	37.3	55.9

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Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

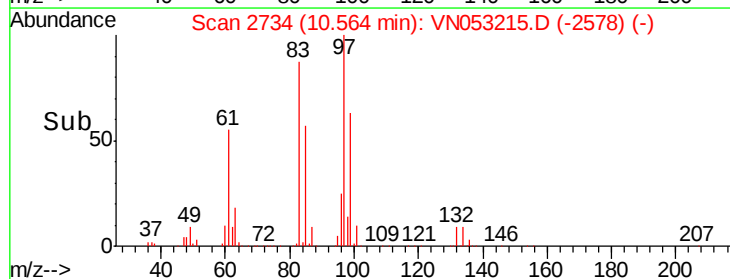
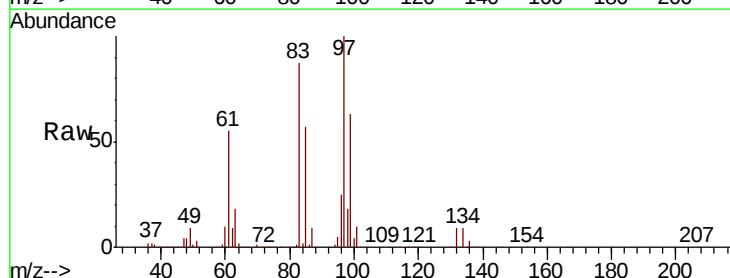
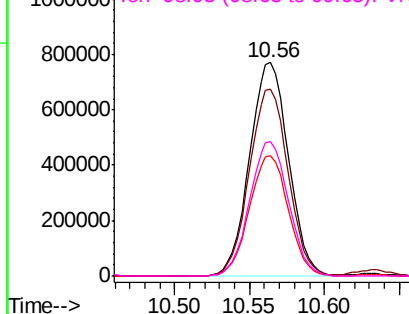


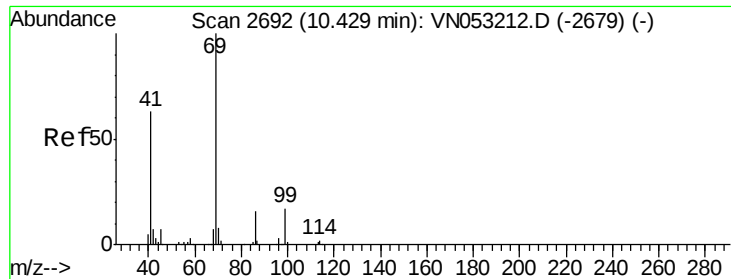
#50

1,1,2-Trichloroethane
Concen: 147.115 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.4	105.6
85	56.6	45.0	67.6
99	62.8	50.2	75.2

Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 159.121 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 69 Resp: 1932048

Ion Ratio Lower Upper

69 100

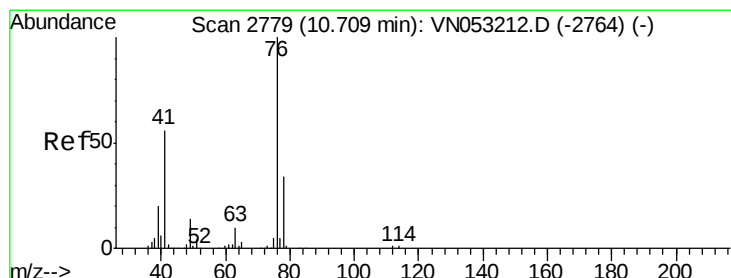
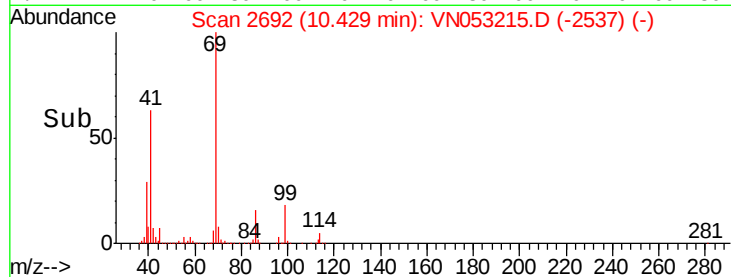
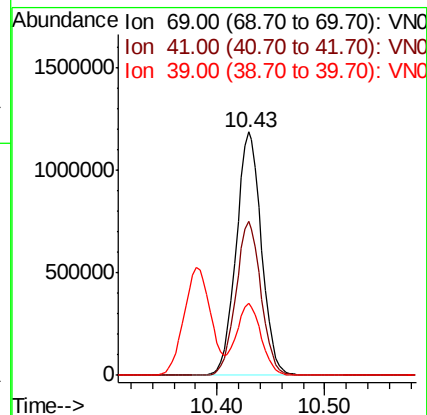
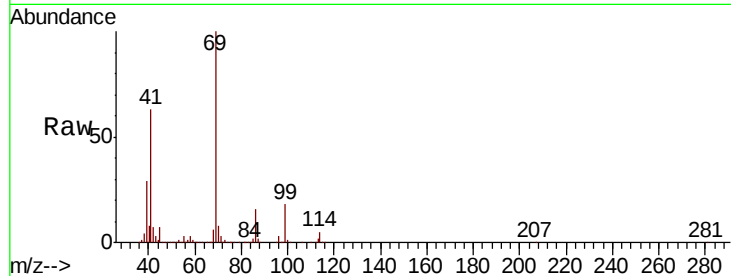
41 63.0 34.4 103.3

39 29.3 16.4 49.2

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#52

1,3-Dichloropropane

Concen: 148.348 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN053215.D

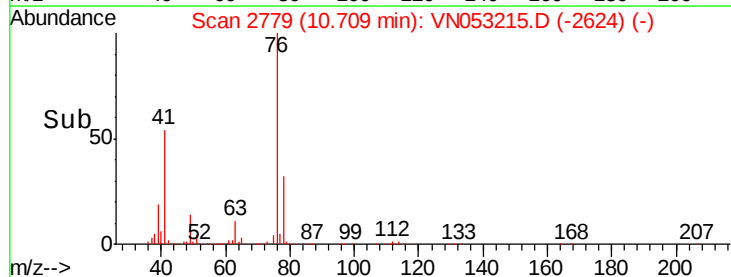
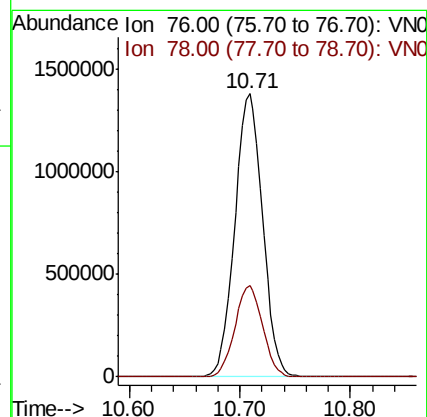
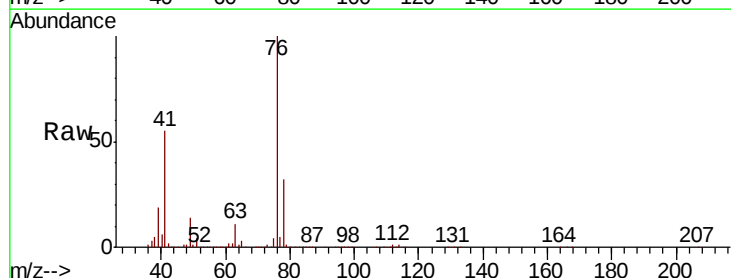
Acq: 28 Dec 2018 10:15

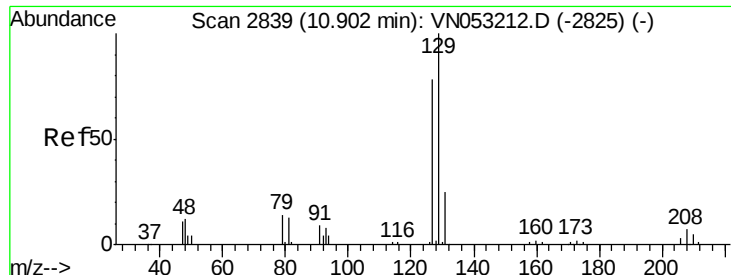
Tgt Ion: 76 Resp: 2415077

Ion Ratio Lower Upper

76 100

78 32.2 0.0 64.8





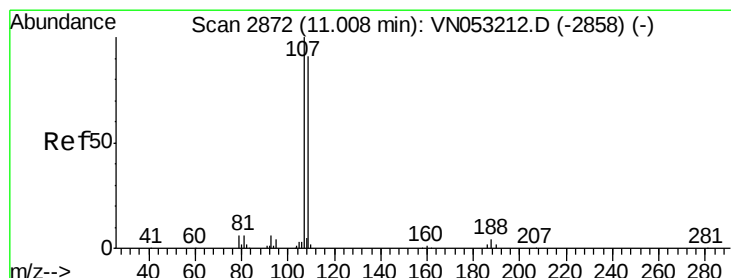
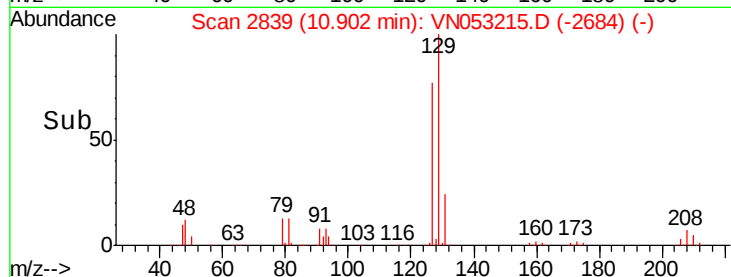
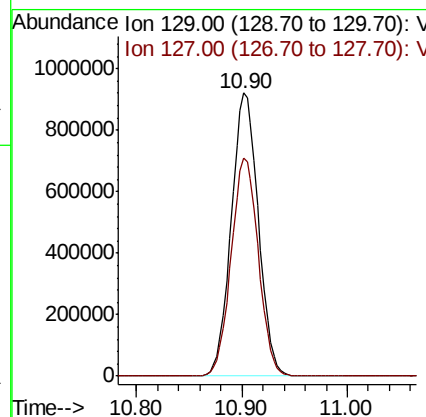
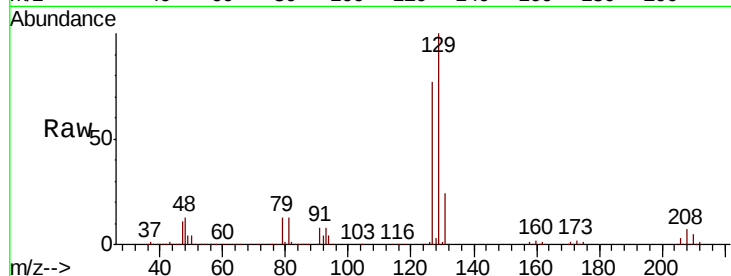
#53
 Dibromochloromethane
 Concen: 154.880 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN053215.D
 Acq: 28 Dec 2018 10:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:129 Resp: 1629705
 Ion Ratio Lower Upper
 129 100
 127 77.5 37.6 112.8

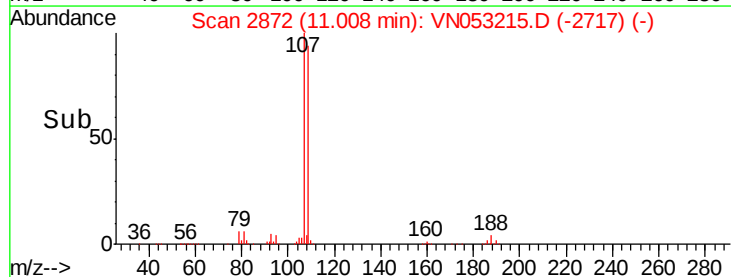
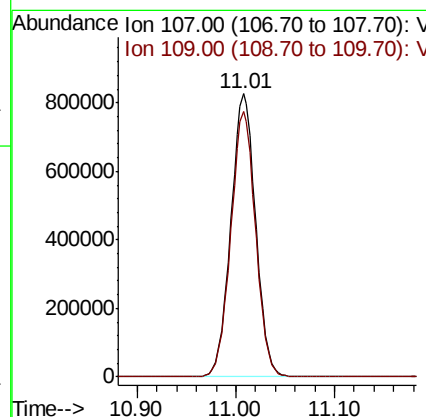
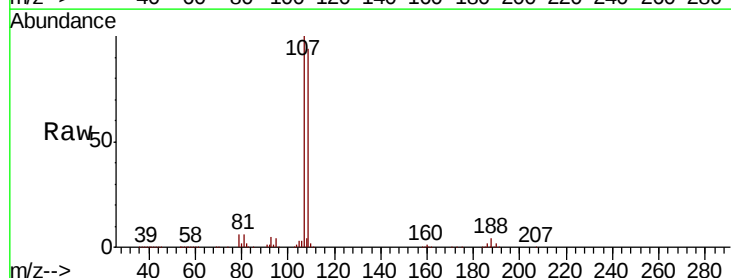
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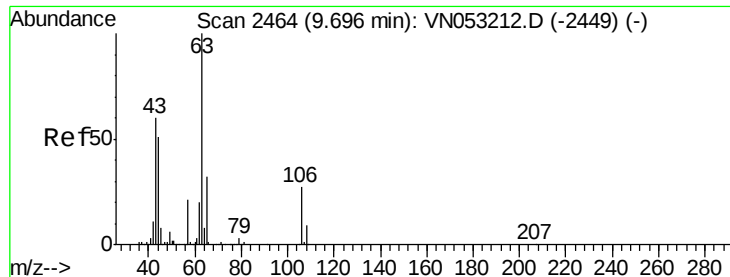
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#54
 1,2-Dibromoethane
 Concen: 153.064 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN053215.D
 Acq: 28 Dec 2018 10:15

Tgt Ion:107 Resp: 1450135
 Ion Ratio Lower Upper
 107 100
 109 94.0 77.1 115.7





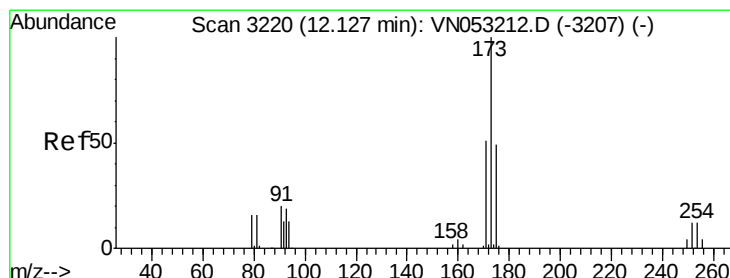
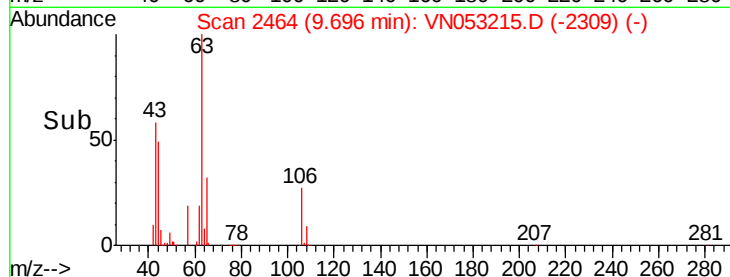
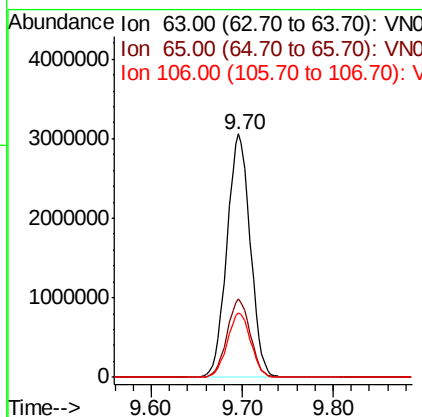
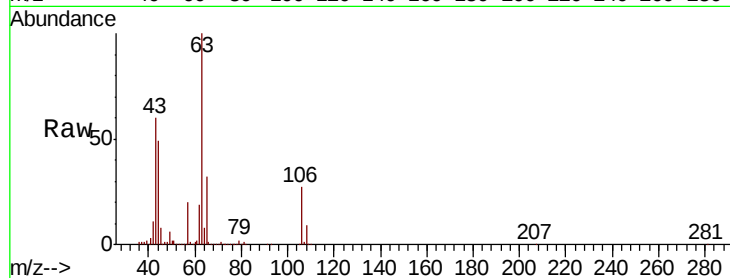
#55
2-Chloroethyl vinyl ether
Concen: 773.885 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 63 Resp: 5423628
Ion Ratio Lower Upper
63 100
65 32.1 25.4 38.2
106 26.8 20.4 30.6

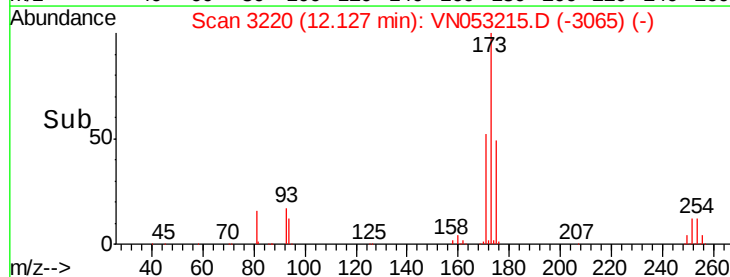
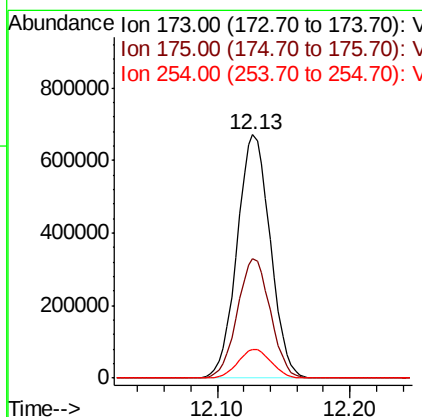
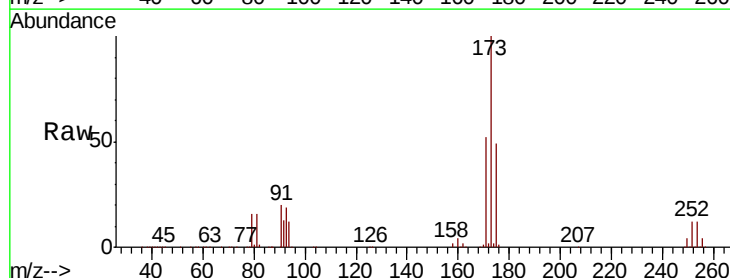
Manual Integrations
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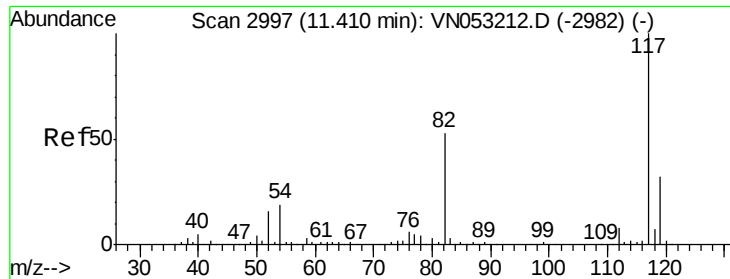
MMDadoda
1/2/2019 9:48:16 AM



#56
Bromoform
Concen: 163.620 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Tgt Ion:173 Resp: 1164281
Ion Ratio Lower Upper
173 100
175 48.8 38.7 58.1
254 11.8 8.4 12.6





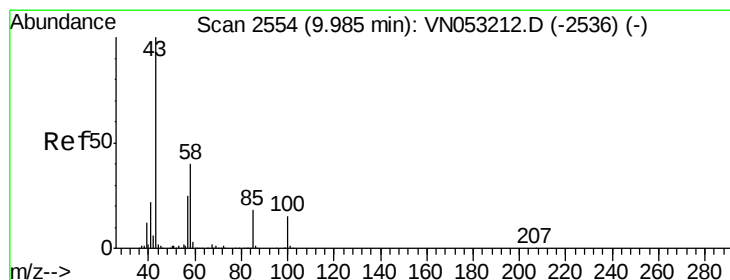
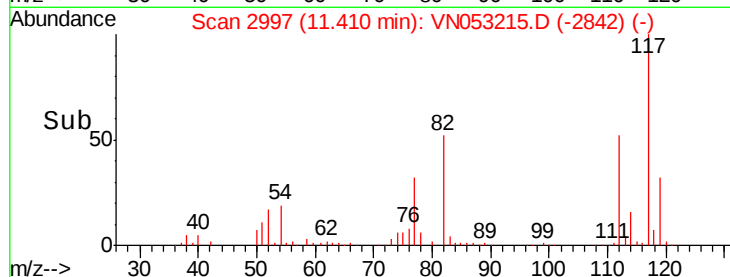
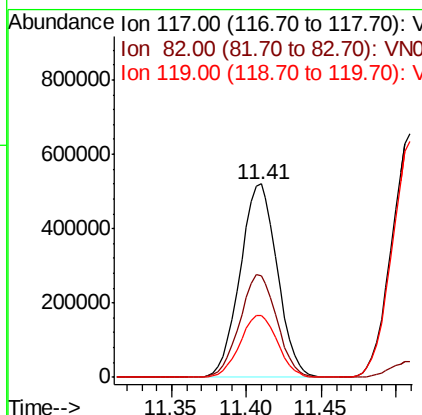
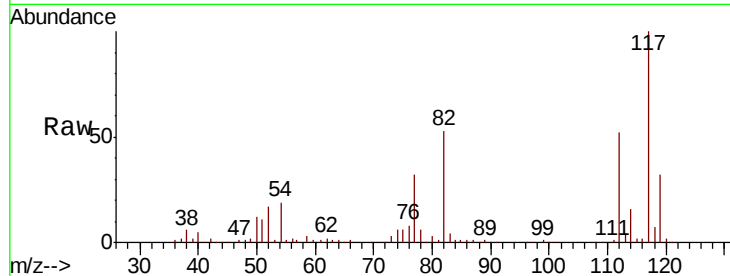
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	44.2	66.2
119	32.2	25.4	38.2

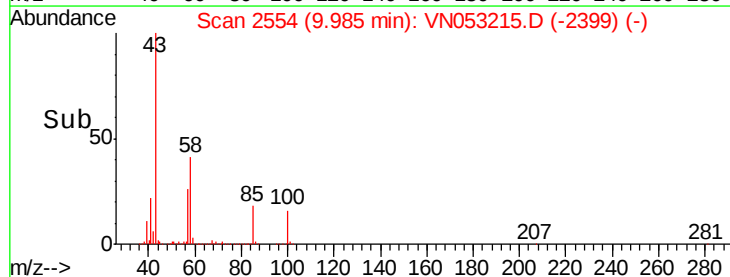
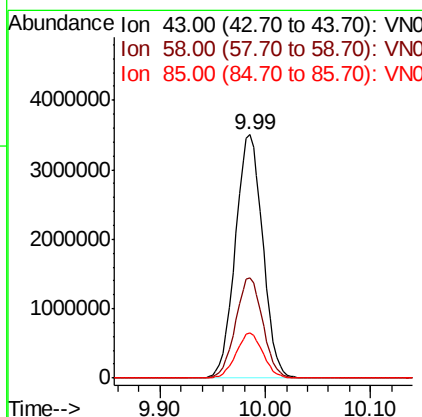
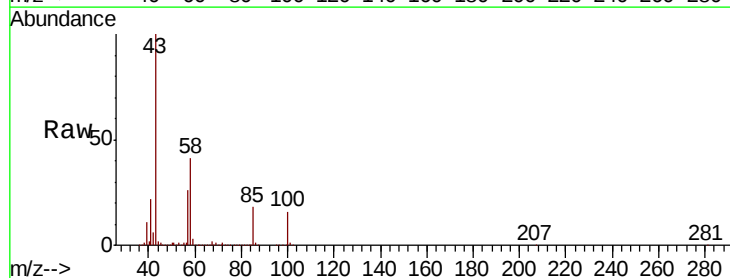
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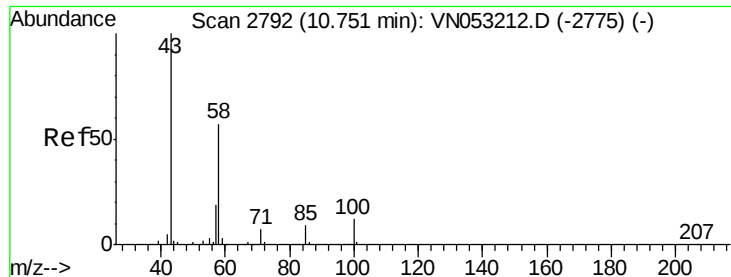
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#58
4-Methyl-2-Pentanone
Concen: 730.996 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.0	31.6	47.4
85	18.3	13.3	19.9





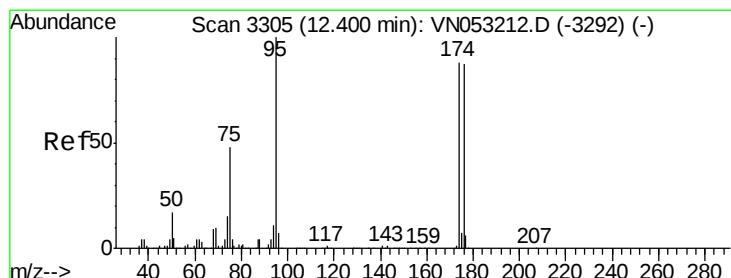
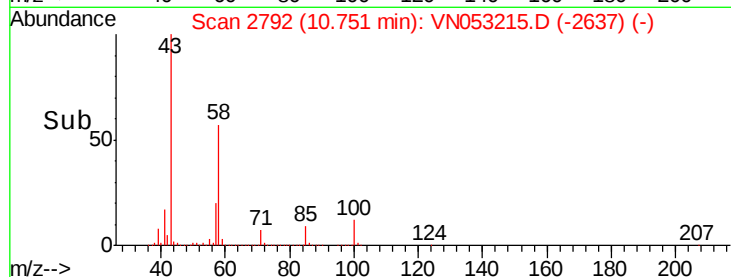
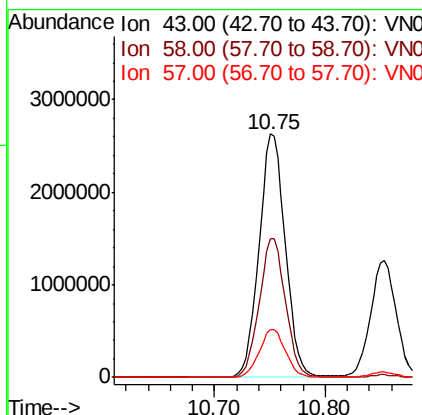
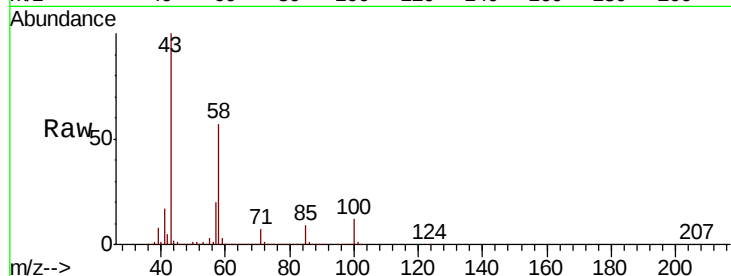
#59
2-Hexanone
Concen: 735.044 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.0	43.2	64.8
57	19.6	14.9	22.3

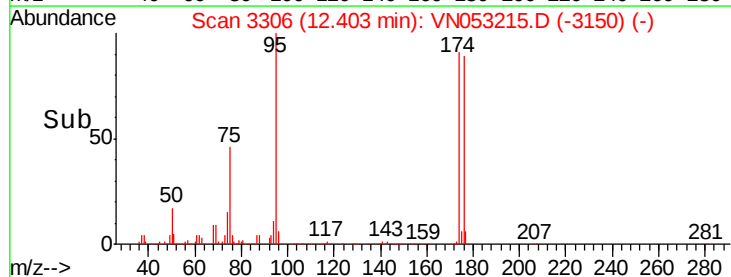
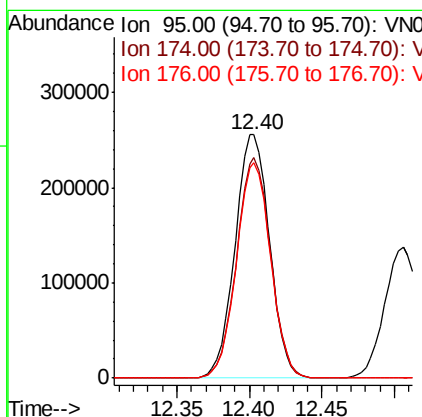
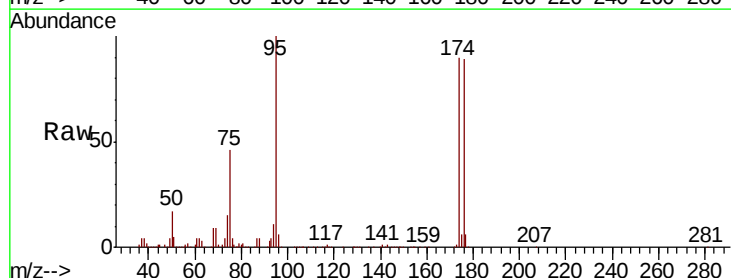
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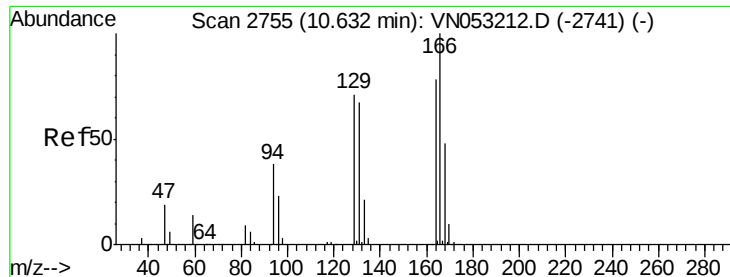
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#60
4-Bromofluorobenzene
Concen: 735.044 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	67.9	101.9
176	87.5	66.4	99.6





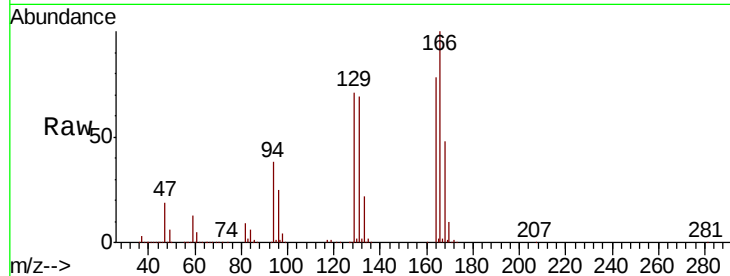
#61
Tetrachloroethene
Concen: 136.867 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

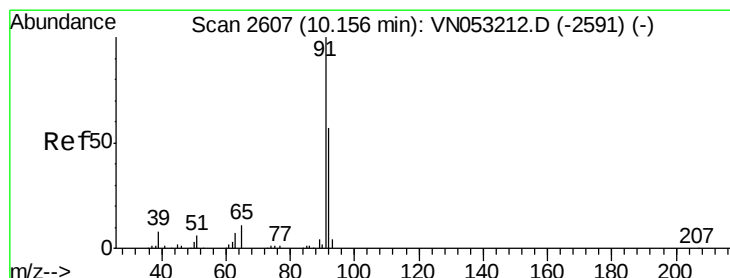
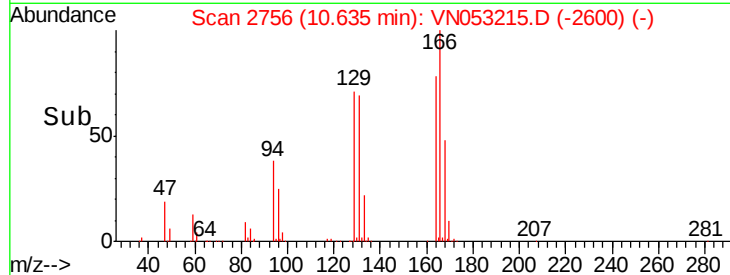
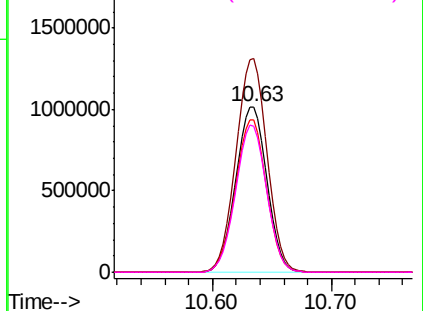
Tot Ion:164 Resp: 1849490
Ion Ratio Lower Upper
164 100
166 128.9 104.6 157.0
129 91.7 75.3 112.9
131 88.3 74.3 111.5

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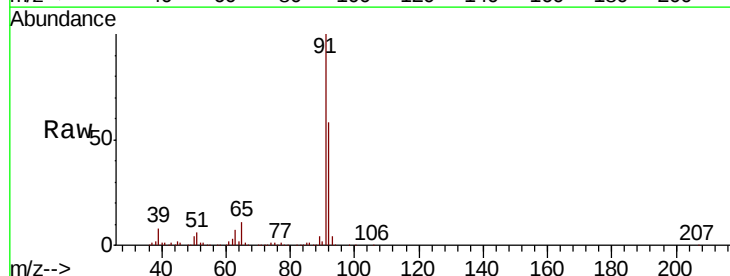


Abundance Ion 163.85 (163.55 to 164.55): V
2000000 Ion 165.80 (165.50 to 166.50): V
1500000 Ion 128.90 (128.60 to 129.60): V
1000000 Ion 130.90 (130.60 to 131.60): V
500000
0

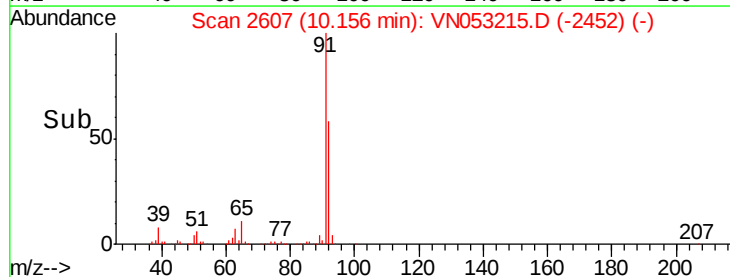
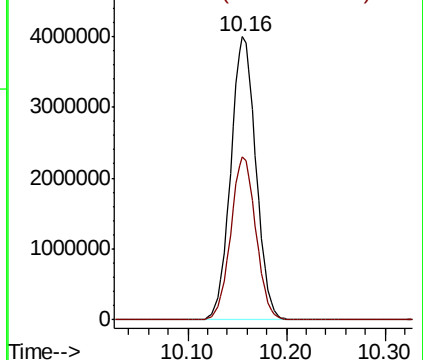


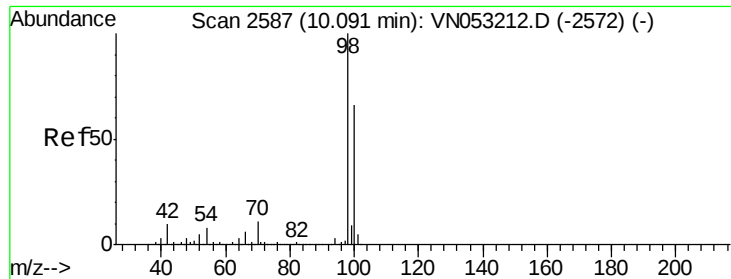
#62
Toluene
Concen: 142.222 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Tgt Ion: 91 Resp: 7080928
Ion Ratio Lower Upper
91 100
92 57.5 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VNO
4000000 Ion 92.00 (91.70 to 92.70): VNO
3000000
2000000
1000000
0





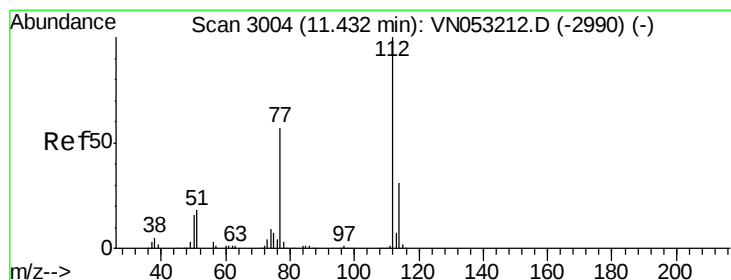
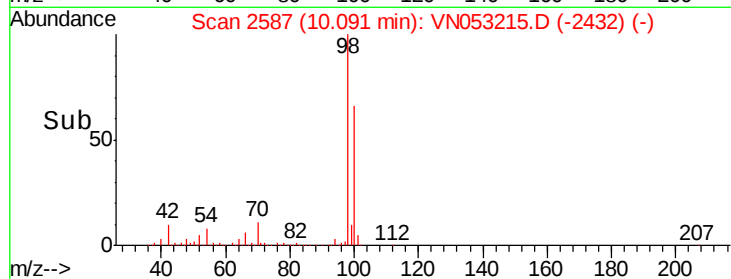
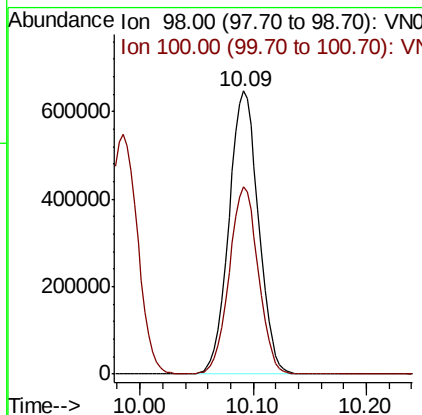
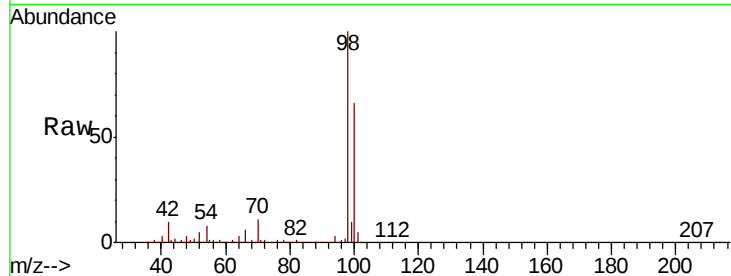
#63
Toluene-d8
Concen: 142.222 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 98 Resp: 1174664
Ion Ratio Lower Upper
98 100
100 65.1 51.1 76.7

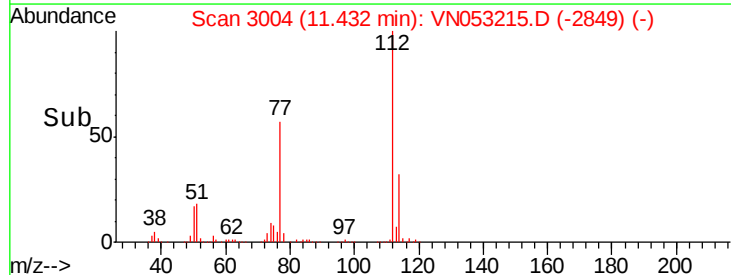
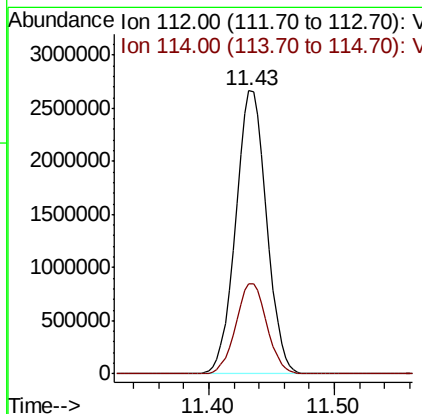
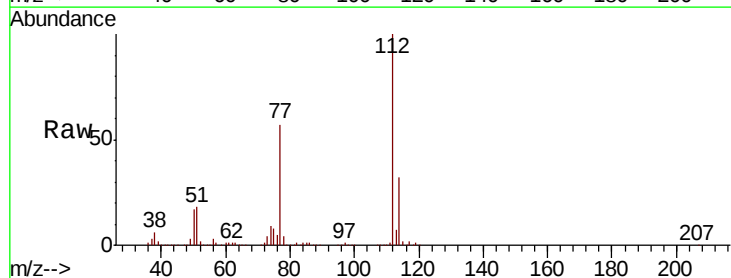
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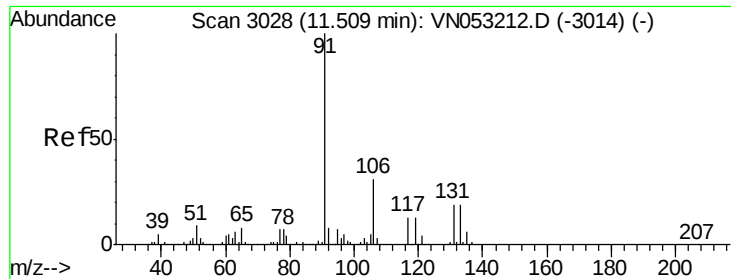
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#64
Chlorobenzene
Concen: 146.115 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Tgt Ion: 112 Resp: 4541221
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 148.116 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:131 Resp: 1610483

Ion Ratio Lower Upper

131 100

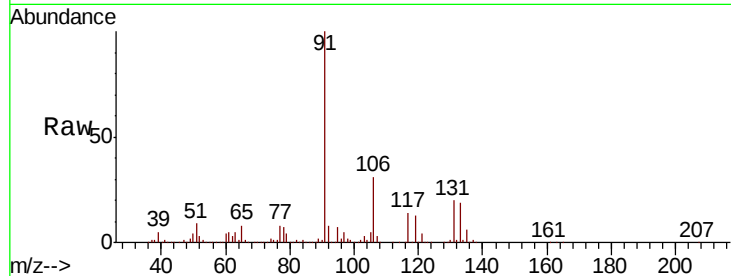
133 95.3 0.0 193.4

119 66.5 0.0 133.0

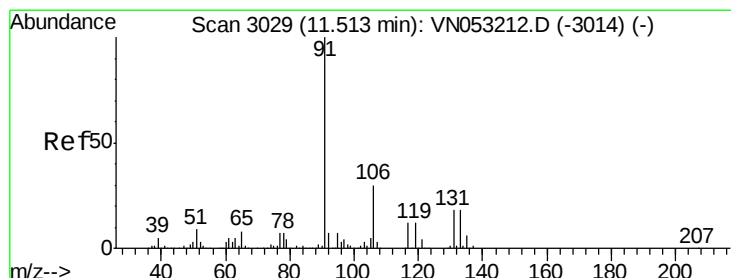
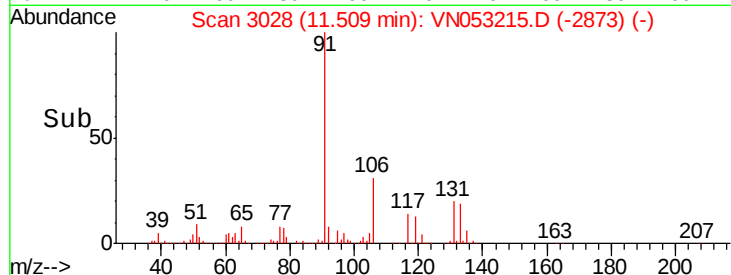
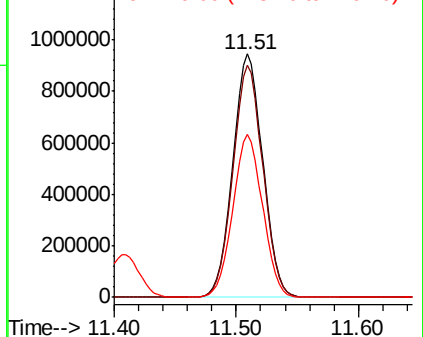
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Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 147.869 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN053215.D

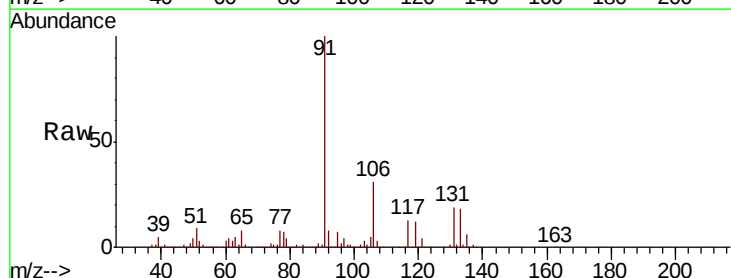
Acq: 28 Dec 2018 10:15

Tgt Ion: 91 Resp: 7923357

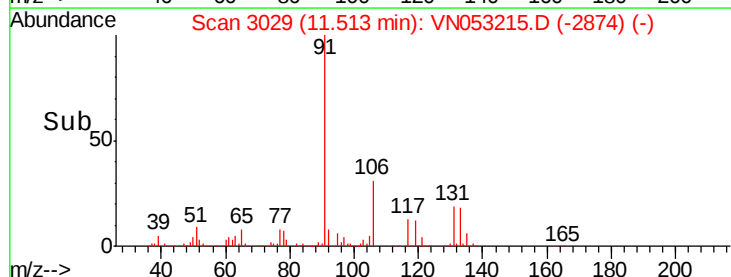
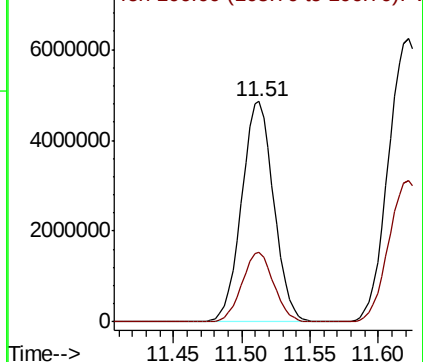
Ion Ratio Lower Upper

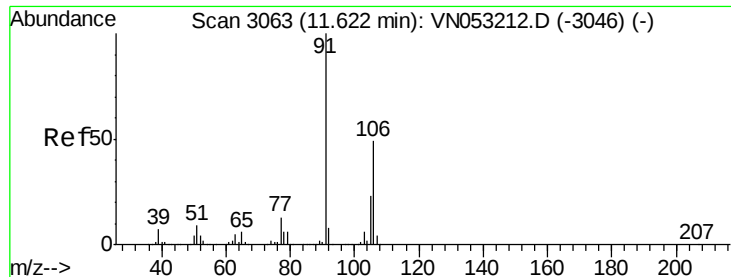
91 100

106 31.3 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 294.954 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:106 Resp: 5980558

Ion Ratio Lower Upper

106 100

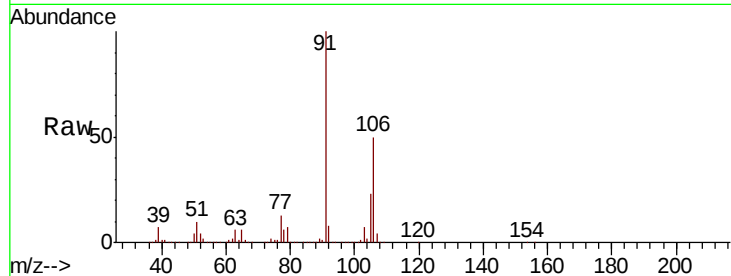
91 201.9 163.9 245.9

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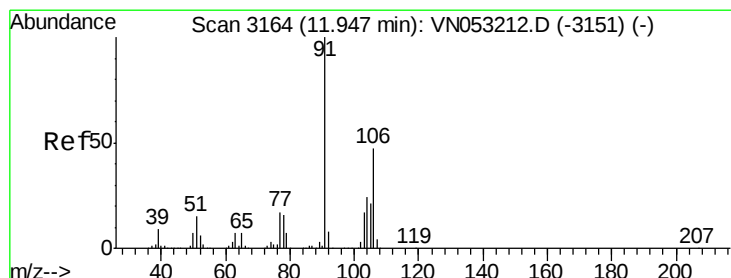
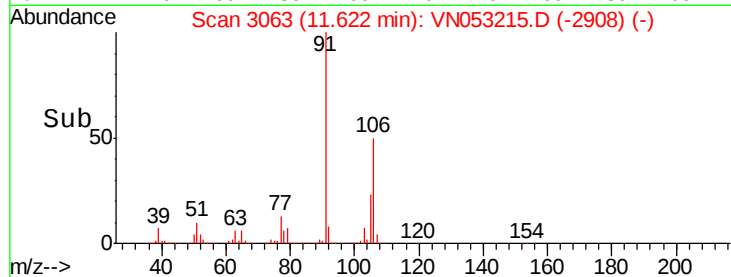
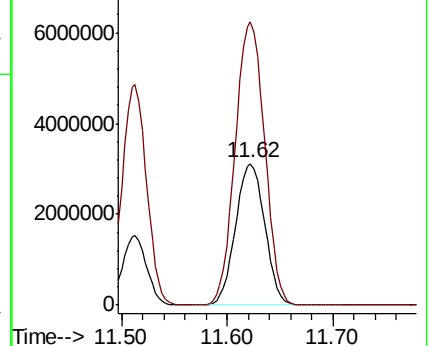
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 148.766 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053215.D

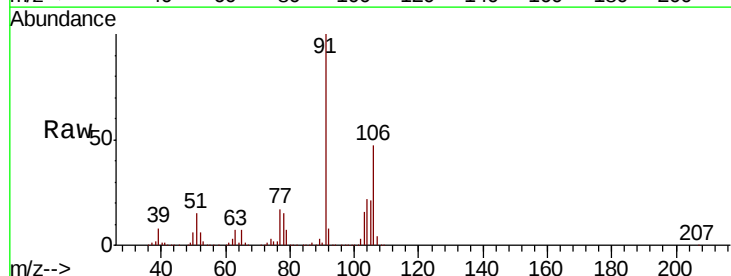
Acq: 28 Dec 2018 10:15

Tgt Ion:106 Resp: 2917981

Ion Ratio Lower Upper

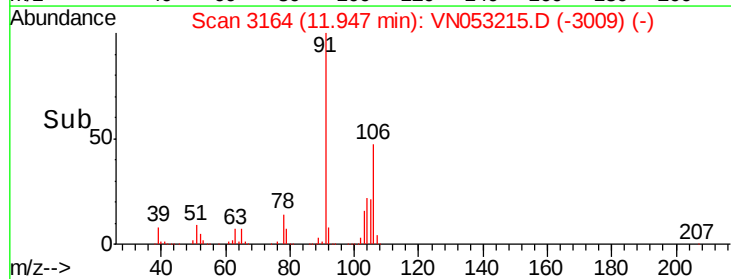
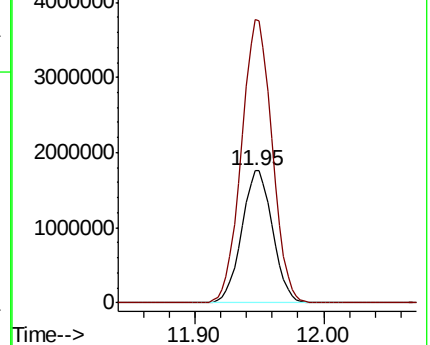
106 100

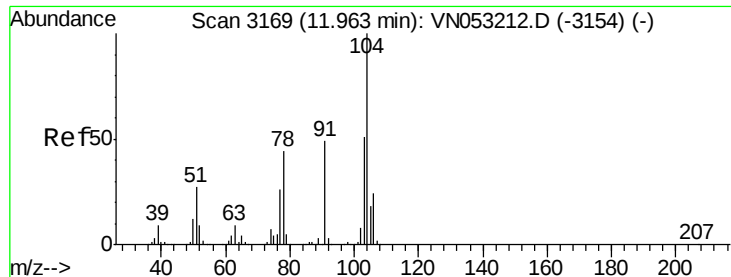
91 213.5 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





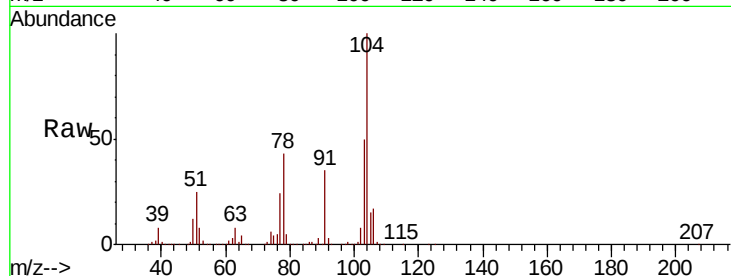
#69
Stvrene
Concen: 152.992 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.1	39.3	58.9
103	55.3	44.6	66.8

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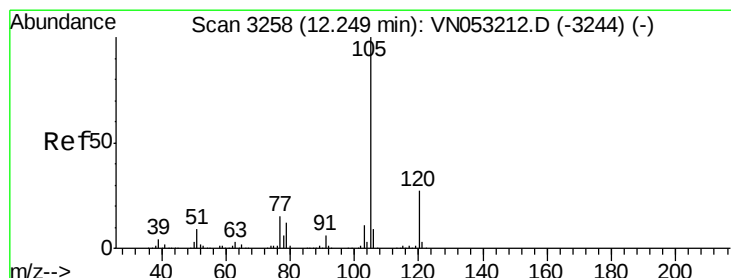
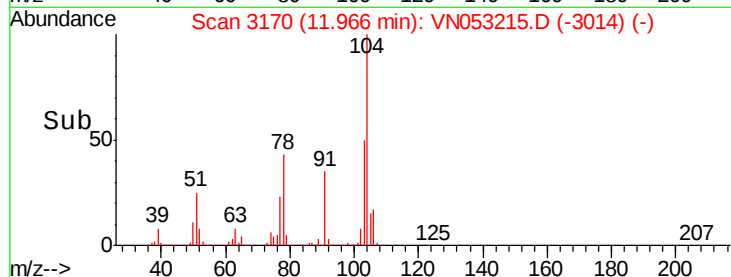
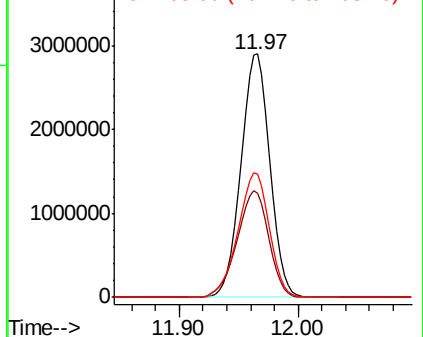


Abundance

Ion 104.00 (103.70 to 104.70): V

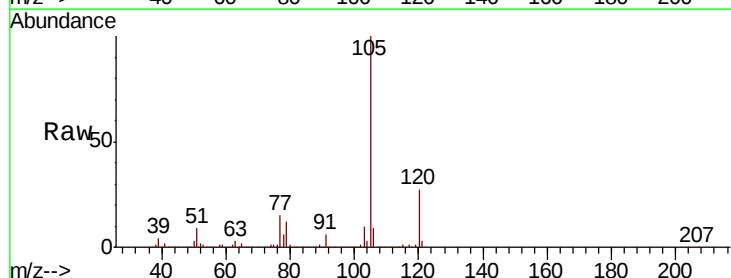
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 148.547 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

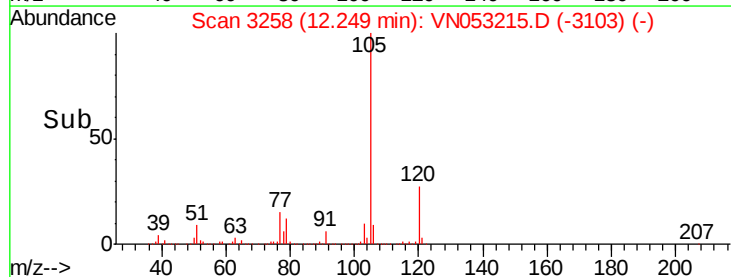
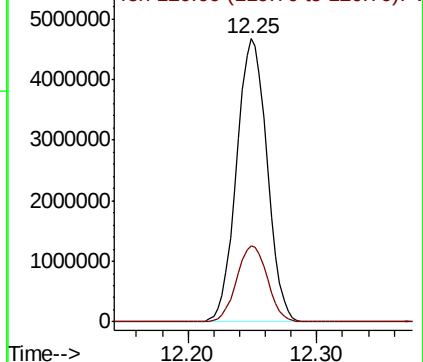
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	18.6	34.6

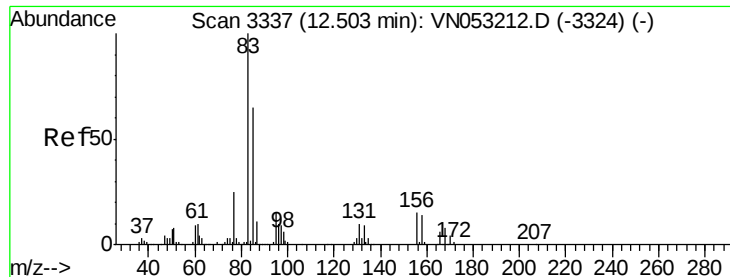


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 147.862 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1608255

Ion Ratio Lower Upper

83 100

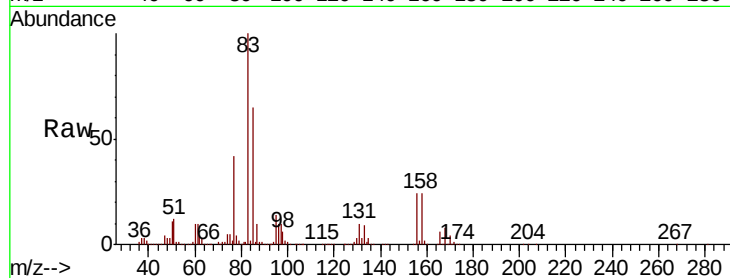
131 10.5 4.9 14.6

85 64.8 32.2 96.6

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Abundance Ion 83.00 (82.70 to 83.70): VN053215.D (-3337) (-)

Ion 131.00 (130.70 to 131.70): VN053215.D (-3337) (-)

Ion 85.00 (84.70 to 85.70): VN053215.D (-3337) (-)

1200000

1000000

800000

600000

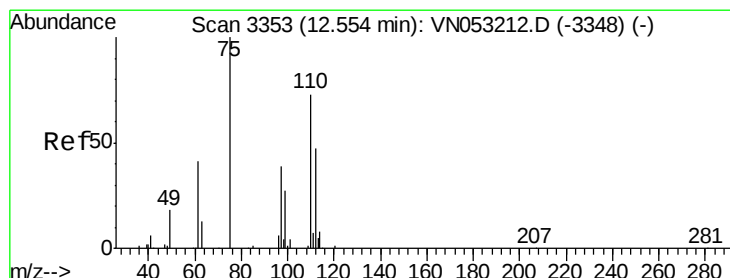
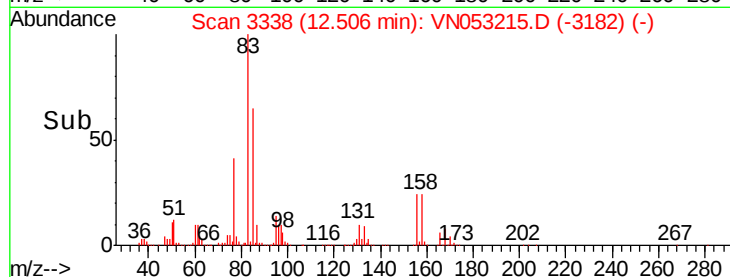
400000

200000

0

12.45 12.50 12.55

Time-->



#72

1,2,3-Trichloropropane

Concen: 158.566 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053215.D

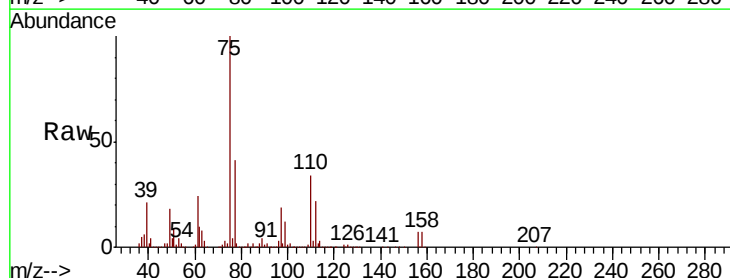
Acq: 28 Dec 2018 10:15

Tgt Ion: 75 Resp: 1488991

Ion Ratio Lower Upper

75 100

77 243.0 0.0 514.8



Abundance Ion 75.00 (74.70 to 75.70): VN053215.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN053215.D (-3353) (-)

2000000

1500000

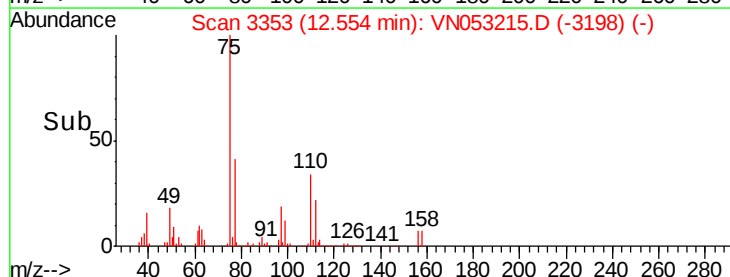
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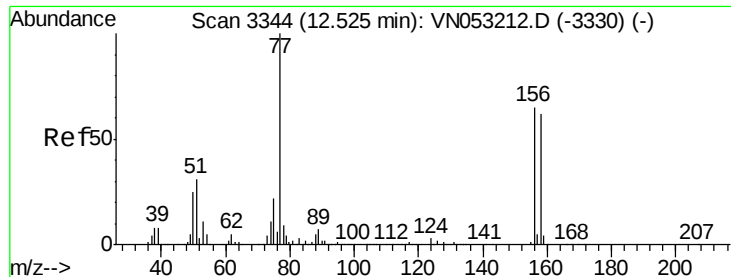
500000

0

12.50 12.55 12.60 12.65

Time-->





#73

Bromobenzene

Concen: 150.878 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:156 Resp: 1995846

Ion Ratio Lower Upper

156 100

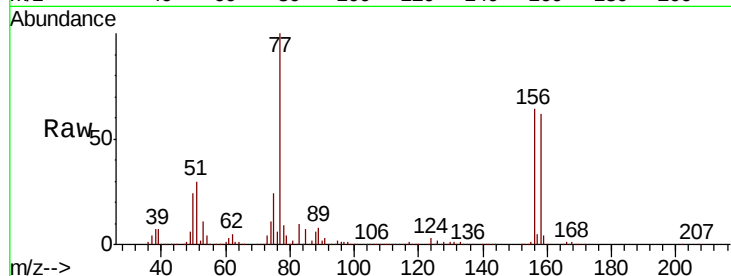
77 181.3 0.0 382.6

158 98.3 0.0 196.8

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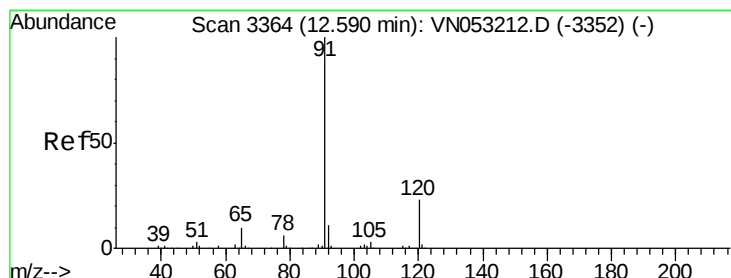
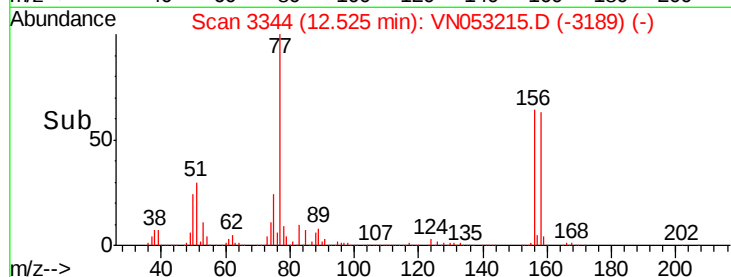
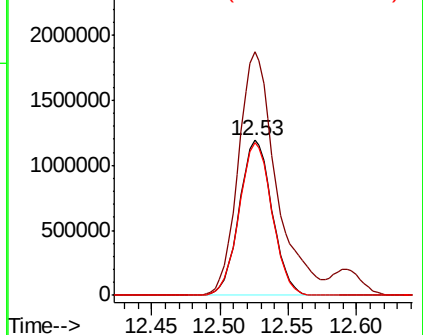
1/2/2019 9:48:16 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 152.429 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053215.D

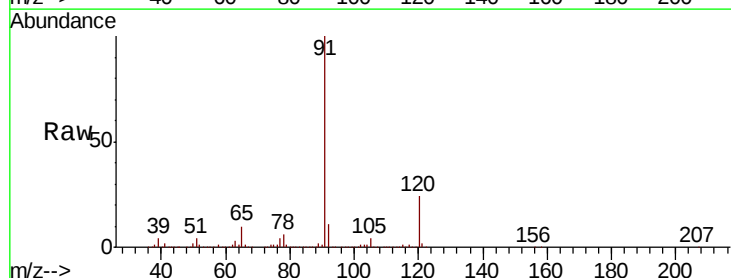
Acq: 28 Dec 2018 10:15

Tgt Ion: 91 Resp: 8861365

Ion Ratio Lower Upper

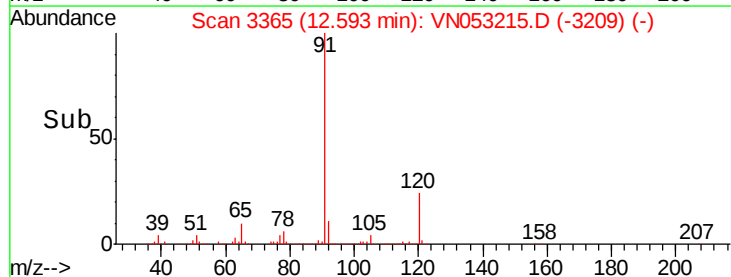
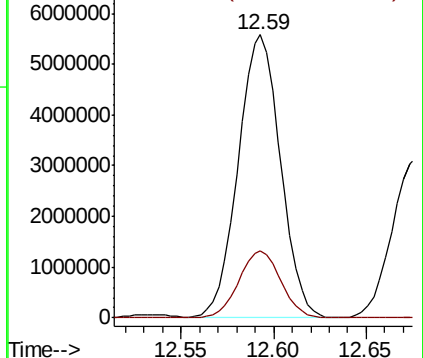
91 100

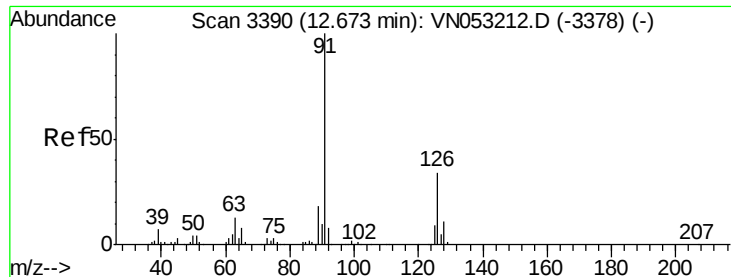
120 23.5 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 149.645 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 5171301

Ion Ratio Lower Upper

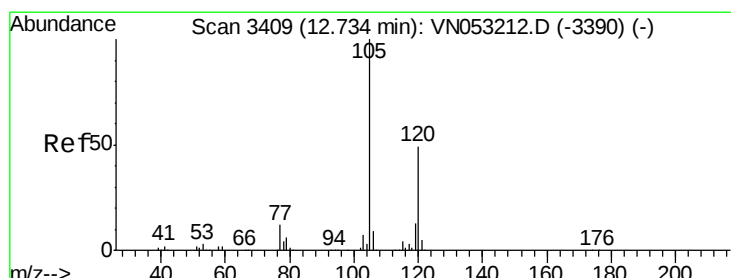
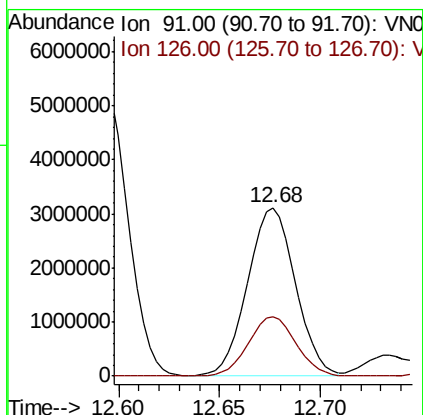
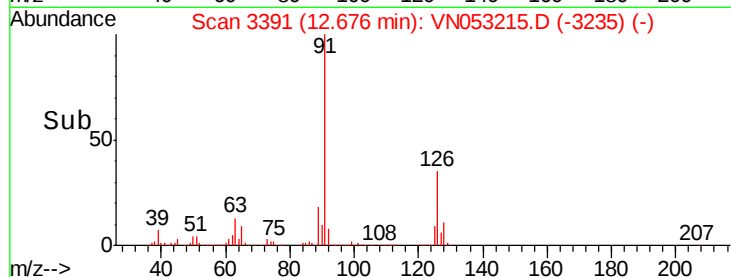
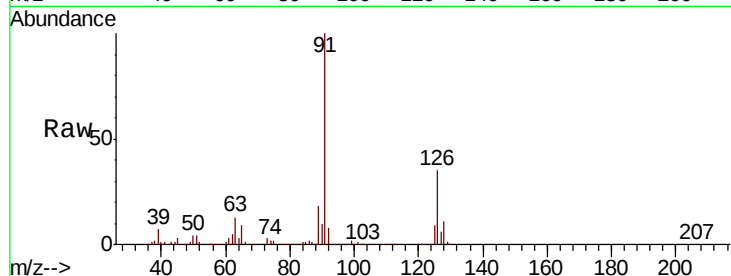
91 100

126 35.4 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 150.839 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN053215.D

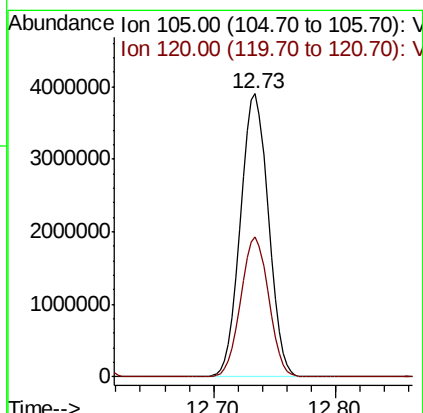
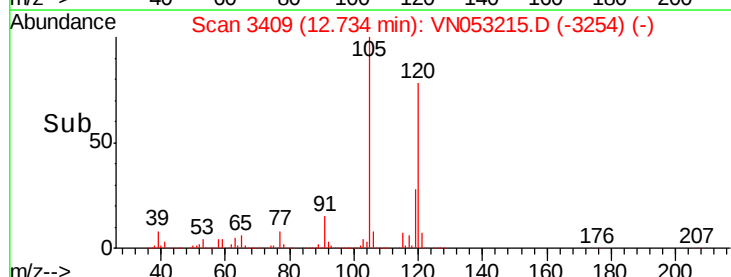
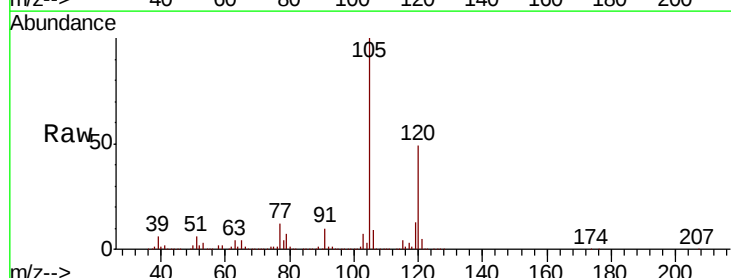
Acq: 28 Dec 2018 10:15

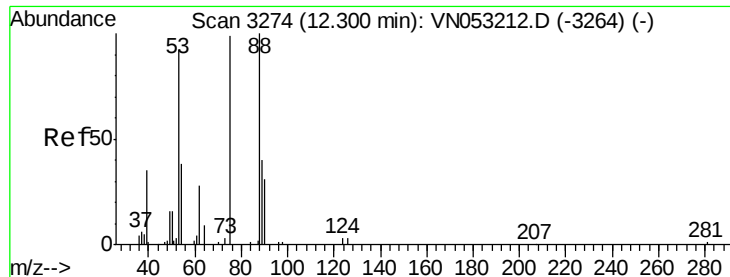
Tgt Ion:105 Resp: 6157898

Ion Ratio Lower Upper

105 100

120 49.4 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 169.570 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Instrument :

MSVOA_N

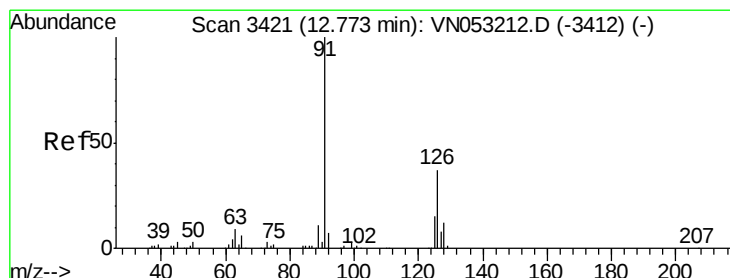
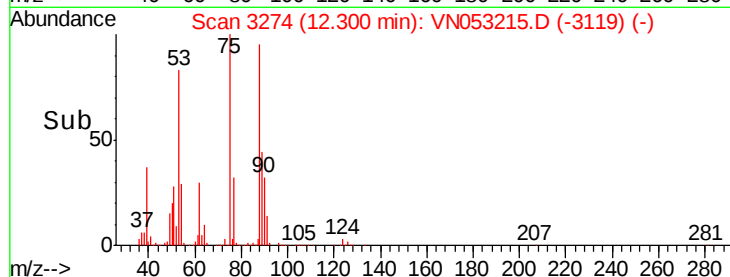
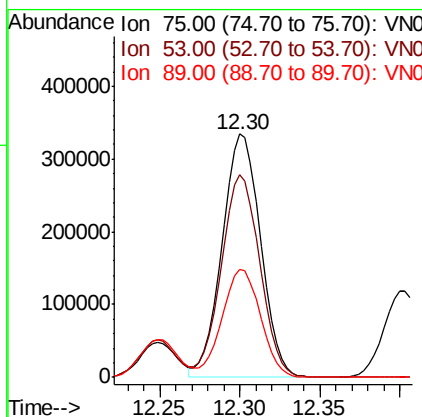
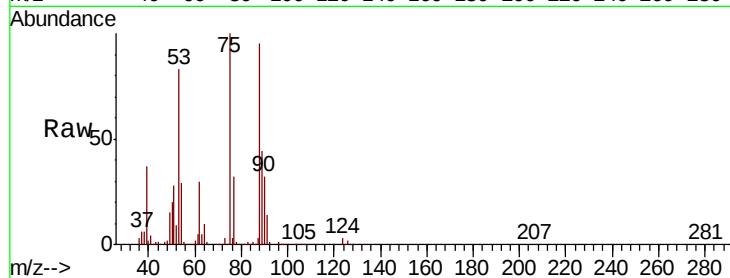
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	551492
Ion	Ratio	Lower	Upper
75	100		
53	83.4	48.5	145.6
89	44.4	21.7	65.1

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#78

4-Chlorotoluene

Concen: 152.363 ug/l

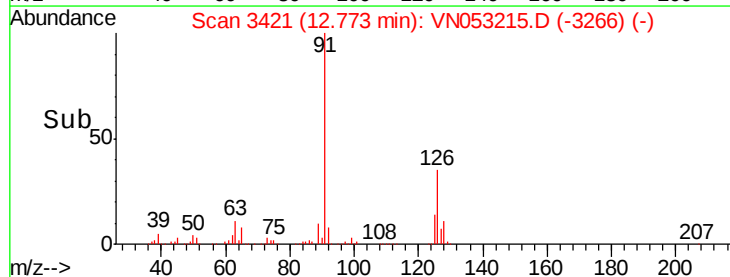
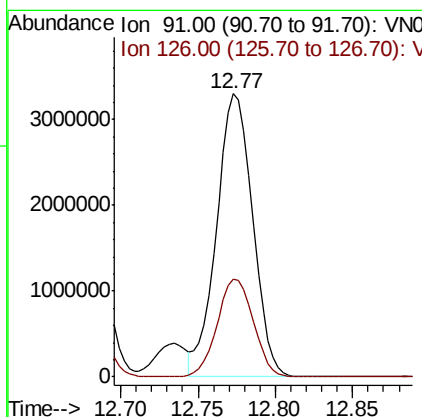
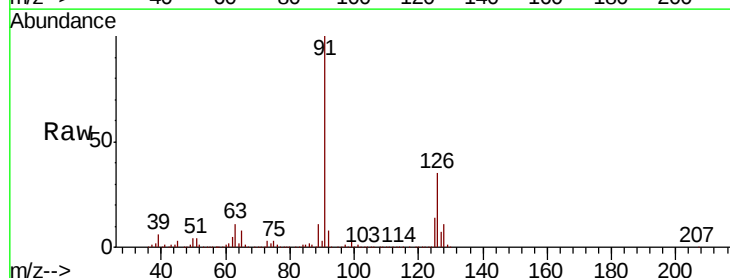
RT: 12.77 min Scan# 3421

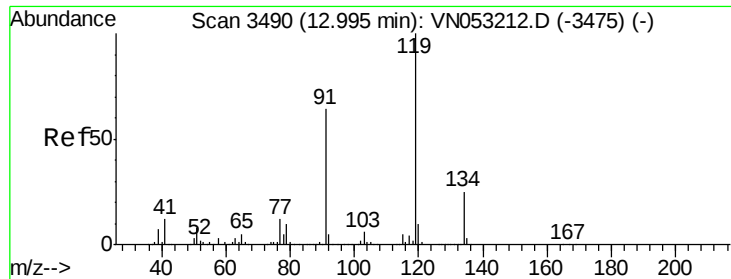
Delta R.T. -0.00 min

Lab File: VN053215.D

Acq: 28 Dec 2018 10:15

Tgt Ion:	91	Resp:	5340345
Ion	Ratio	Lower	Upper
91	100		
126	34.7	0.0	68.2





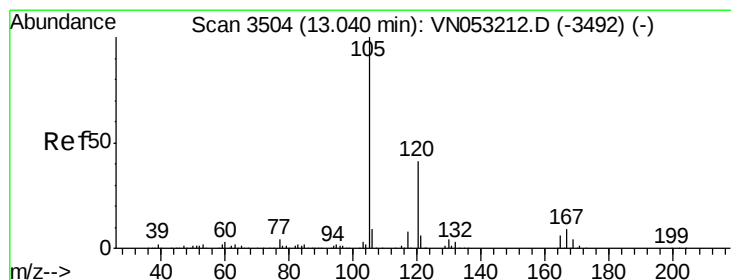
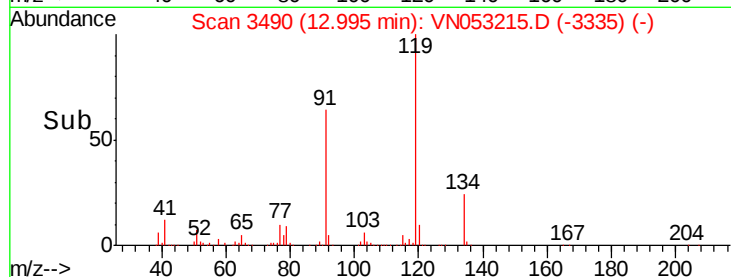
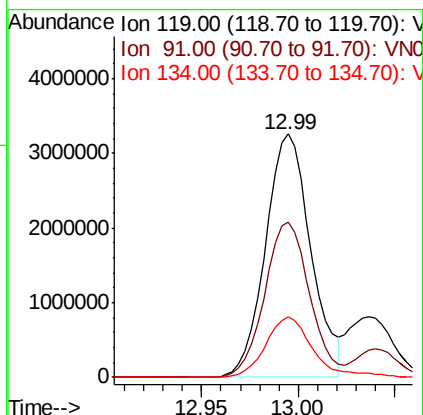
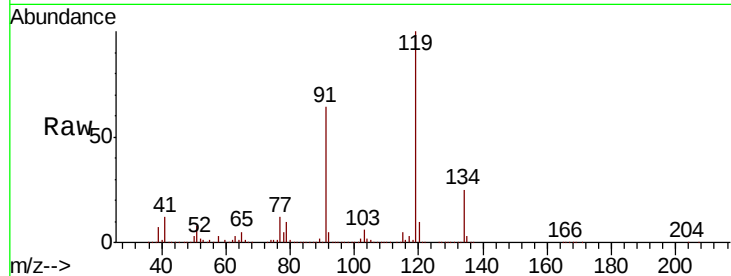
#79
tert-butylbenzene
Concen: 149.406 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 5329661
Ion Ratio Lower Upper
119 100
91 63.2 0.0 129.8
134 25.8 0.0 52.2

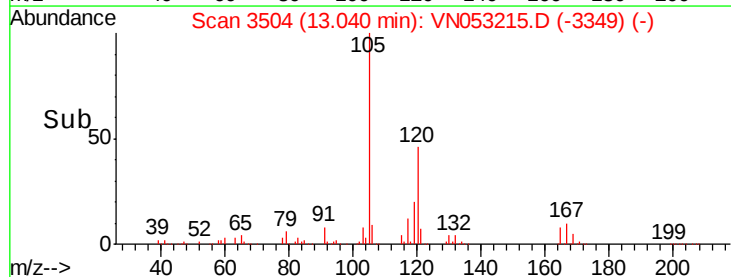
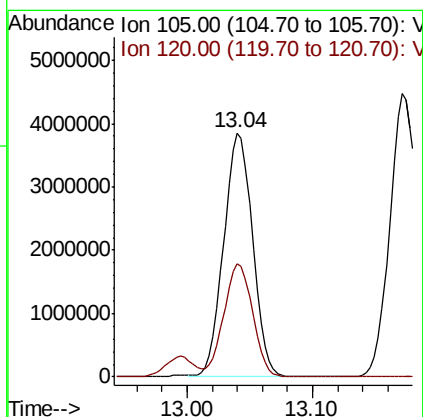
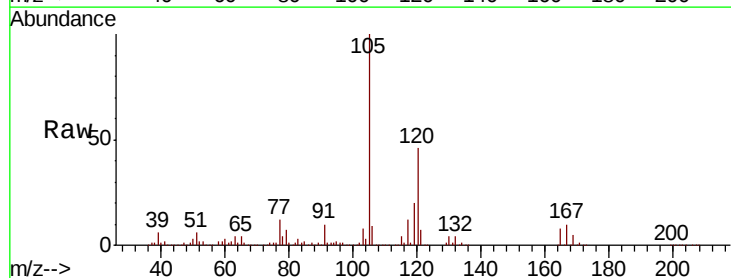
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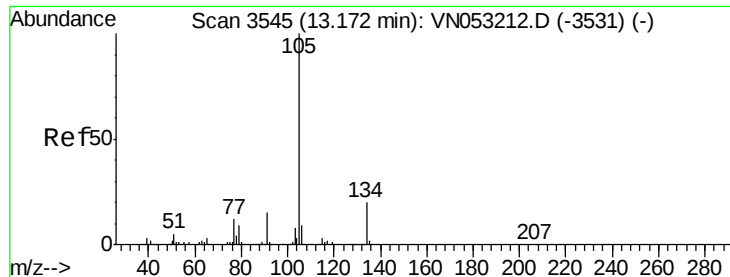
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#80
1,2,4-Trimethylbenzene
Concen: 150.406 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Tgt Ion:105 Resp: 6157661
Ion Ratio Lower Upper
105 100
120 46.5 0.0 91.0





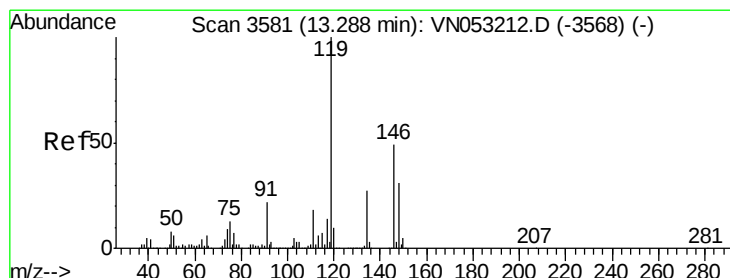
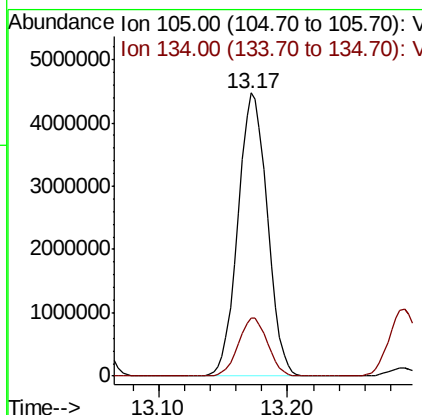
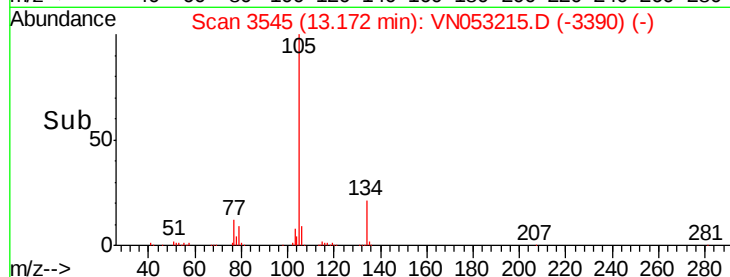
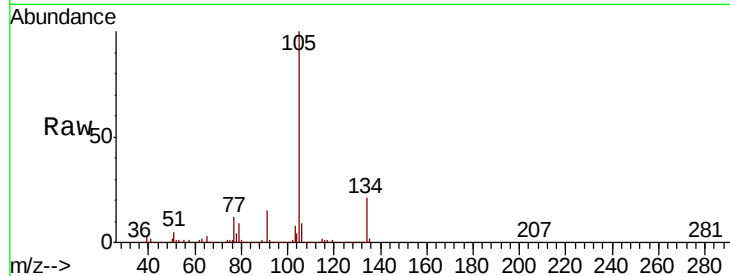
#81
 sec-Butylbenzene
 Concen: 150.106 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053215.D
 Acq: 28 Dec 2018 10:15

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC150

Tot Ion:105 Resp: 7083926
 Ion Ratio Lower Upper
 105 100
 134 20.5 0.0 40.4

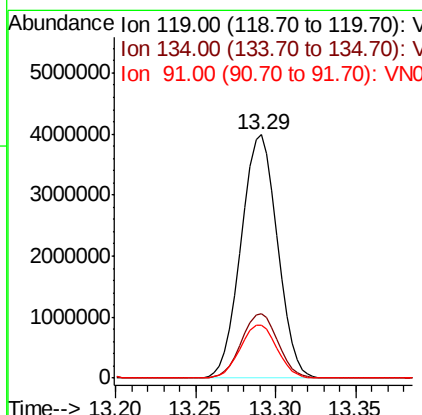
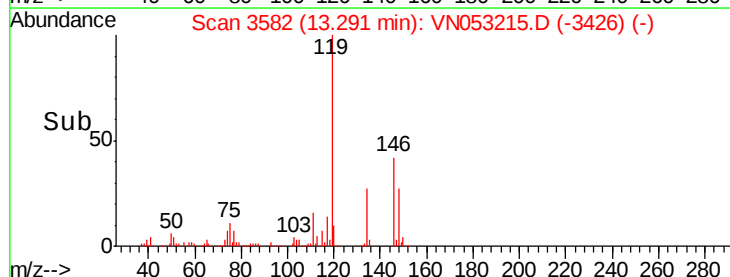
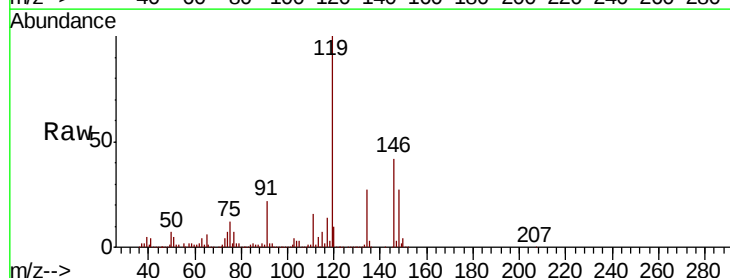
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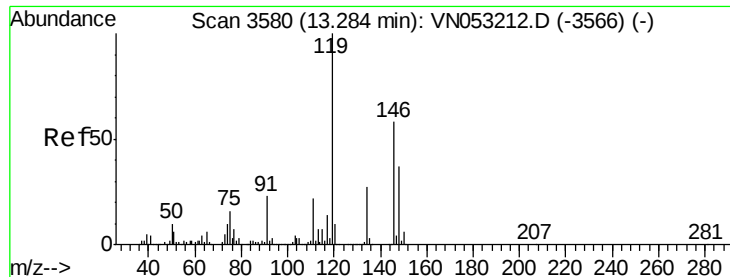
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#82
 p-Isopropyltoluene
 Concen: 151.301 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053215.D
 Acq: 28 Dec 2018 10:15

Tgt Ion:119 Resp: 6160212
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 52.6
 91 22.0 0.0 46.2





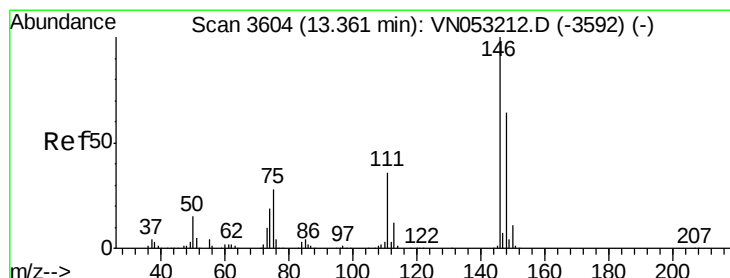
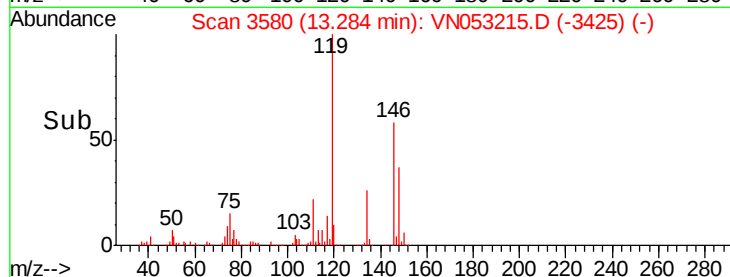
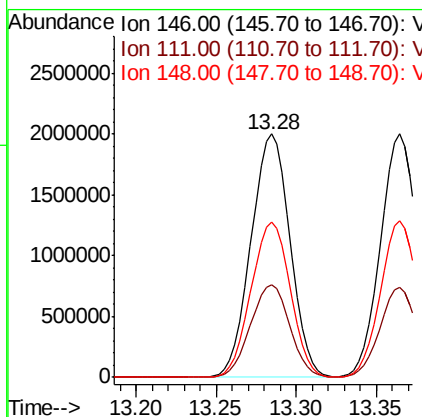
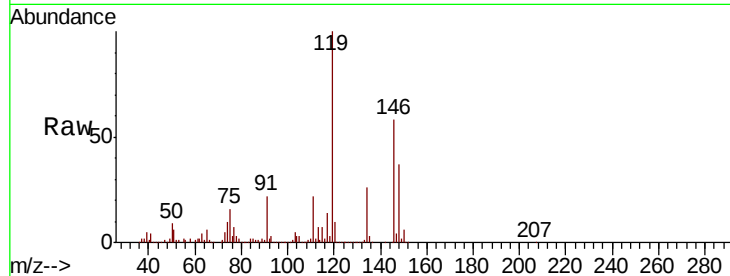
#83
 1,3-Dichlorobenzene
 Concen: 148.032 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053215.D
 Acq: 28 Dec 2018 10:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.0
148	64.2	32.3	96.8

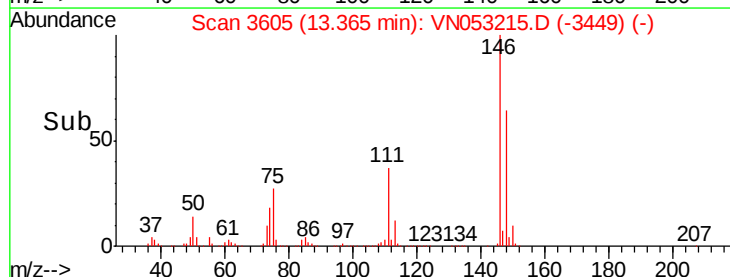
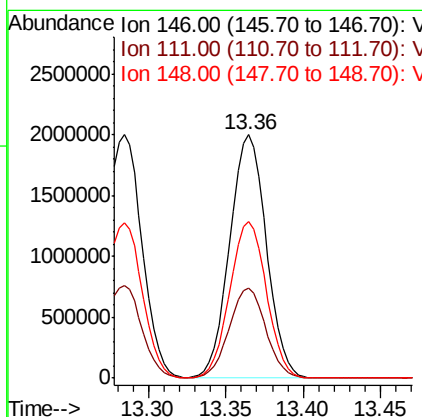
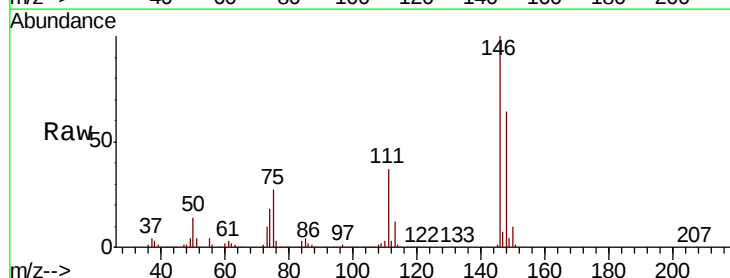
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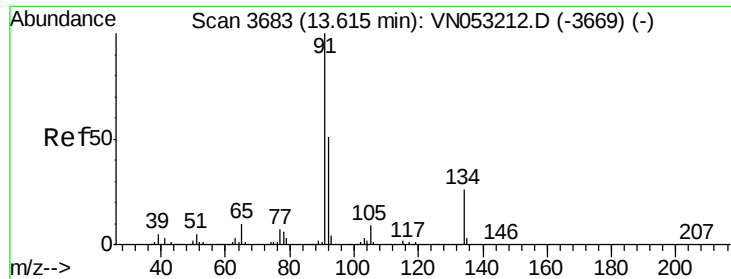
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#84
 1,4-Dichlorobenzene
 Concen: 149.323 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053215.D
 Acq: 28 Dec 2018 10:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.8	56.3
148	64.3	32.5	97.4





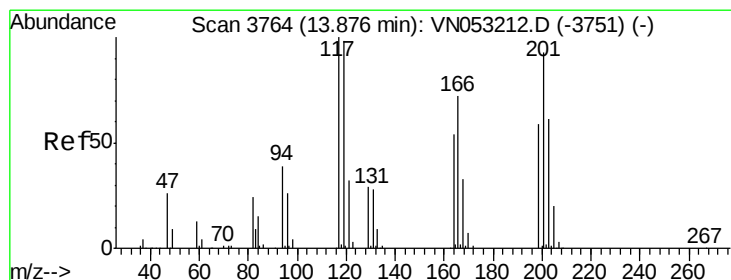
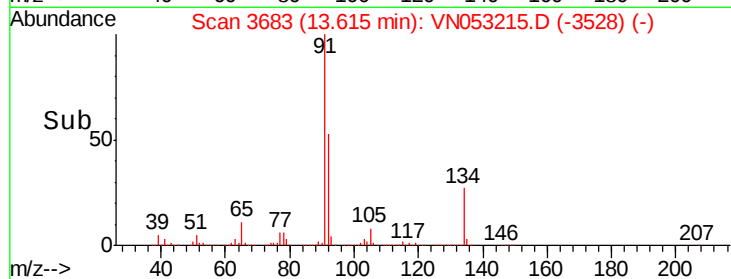
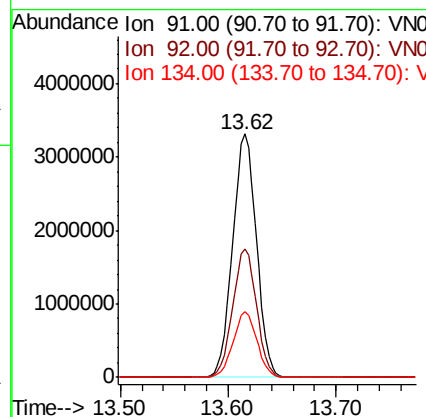
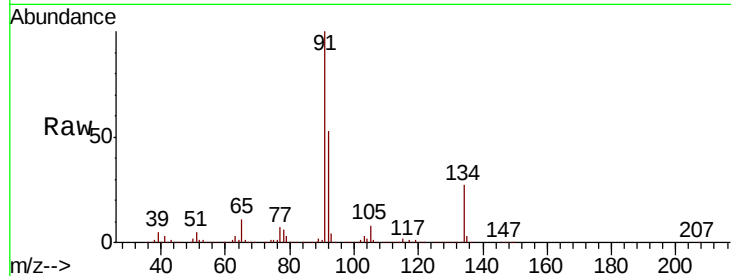
#85
n-Butylbenzene
Concen: 154.782 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion: 91 Resp: 5101211
Ion Ratio Lower Upper
91 100
92 52.9 0.0 104.2
134 26.8 0.0 50.6

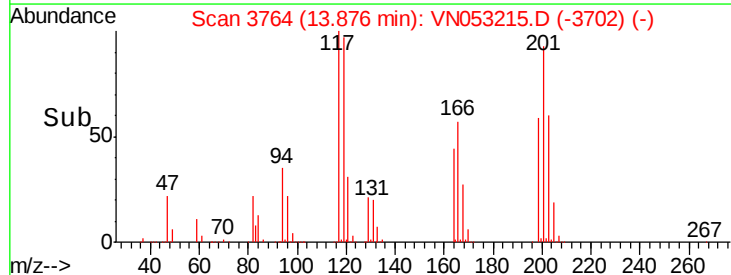
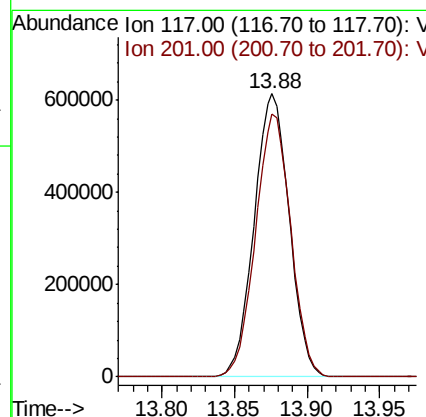
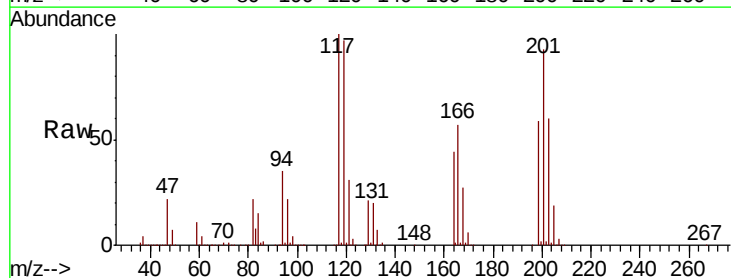
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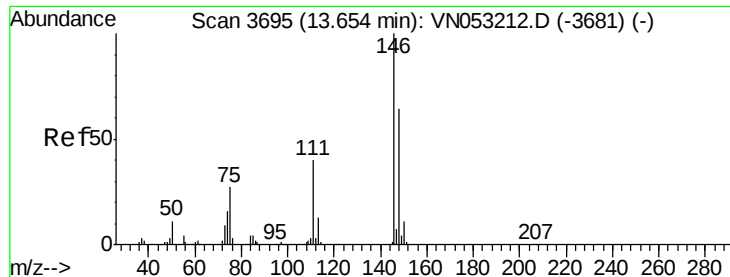
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#86
Hexachloroethane
Concen: 161.516 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Tgt Ion: 117 Resp: 1035854
Ion Ratio Lower Upper
117 100
201 93.1 43.8 131.3





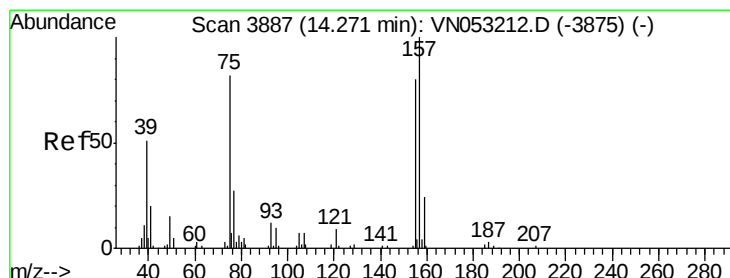
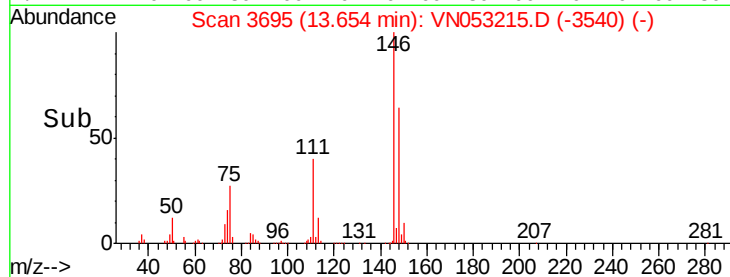
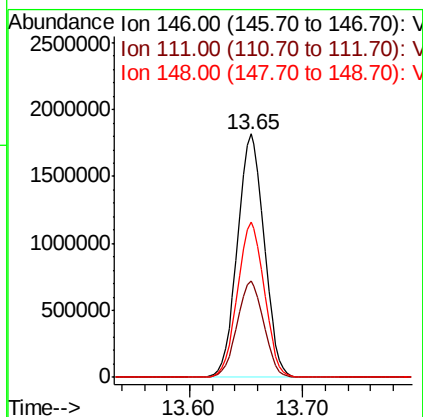
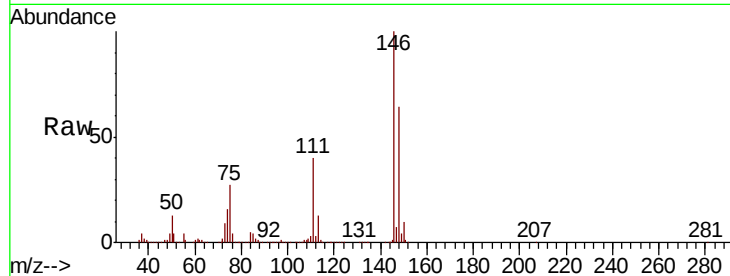
#87
 1,2-Dichlorobenzene
 Concen: 141.298 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053215.D
 Acq: 28 Dec 2018 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	64.0	32.1	96.5

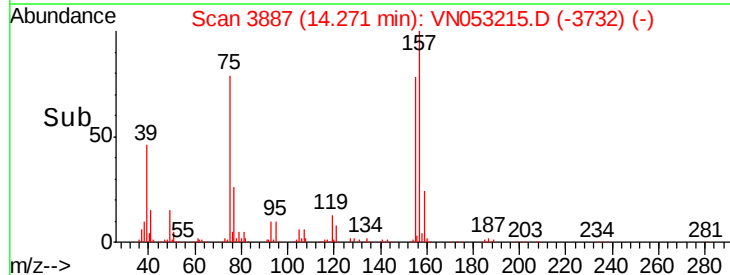
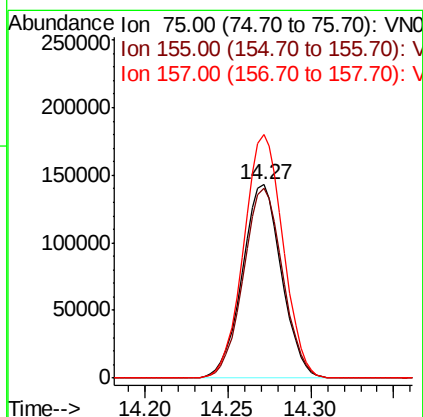
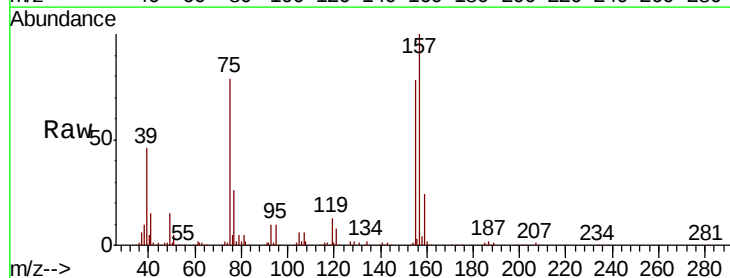
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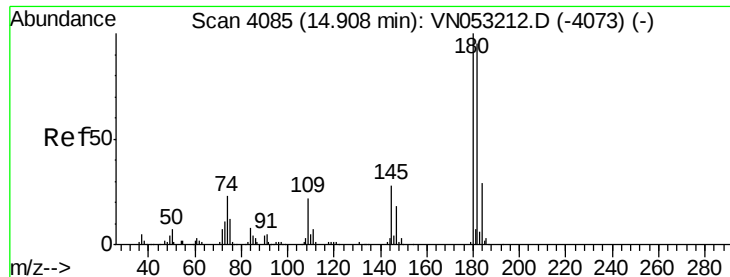
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 152.375 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN053215.D
 Acq: 28 Dec 2018 10:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	72.2	108.2
157	126.1	94.2	141.2





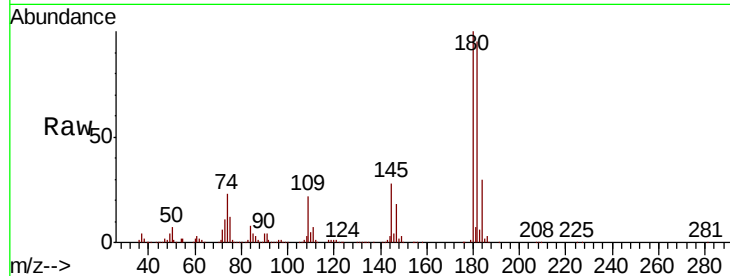
#89
 1,2,4-Trichlorobenzene
 Concen: 174.709 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053215.D
 Acq: 28 Dec 2018 10:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

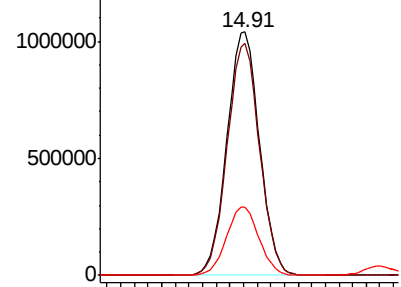
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.6	114.8
145	28.1	23.6	35.4

Manual Integrations
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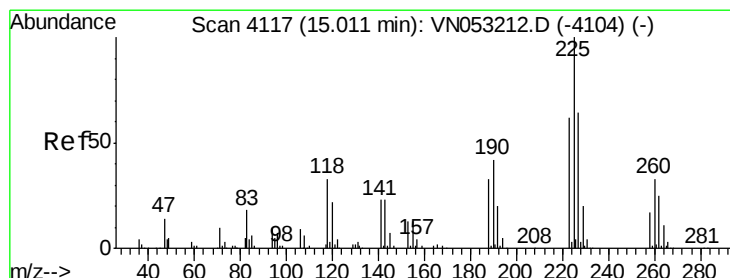
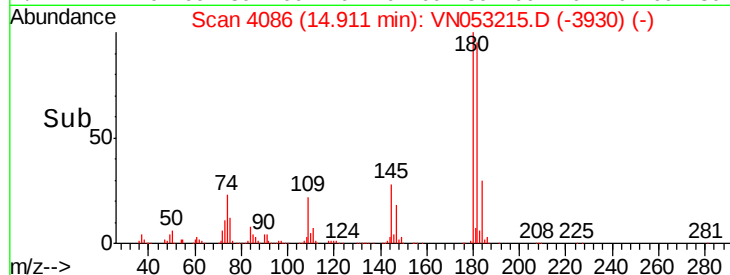
MMDadoda
 1/2/2019 9:48:16 AM



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

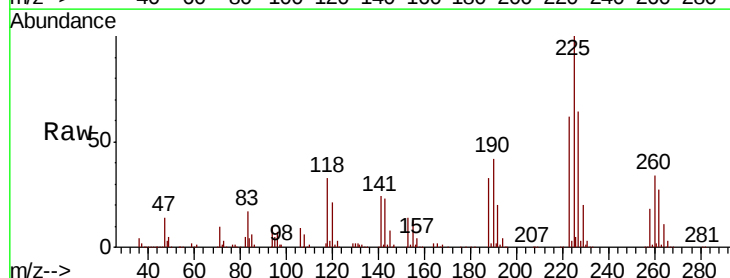


Time-->

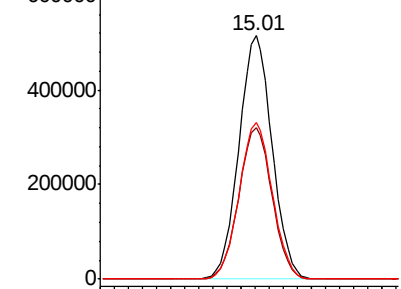


#90
 Hexachlorobutadiene
 Concen: 134.793 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053215.D
 Acq: 28 Dec 2018 10:15

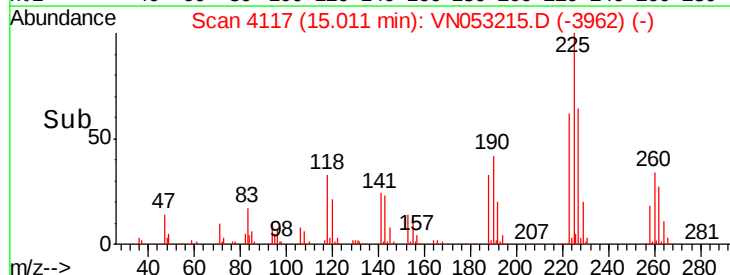
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	0.0	125.6
227	64.4	0.0	127.8

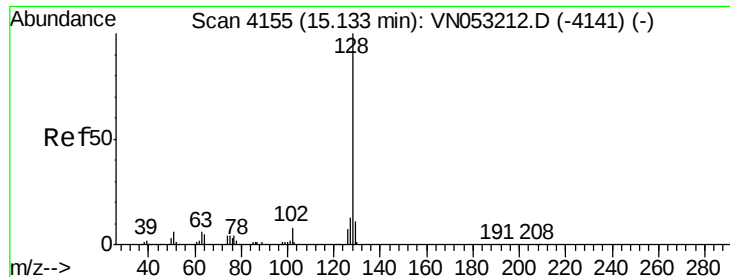


Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V



Time-->





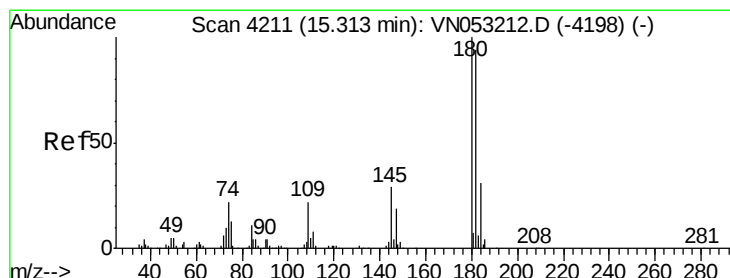
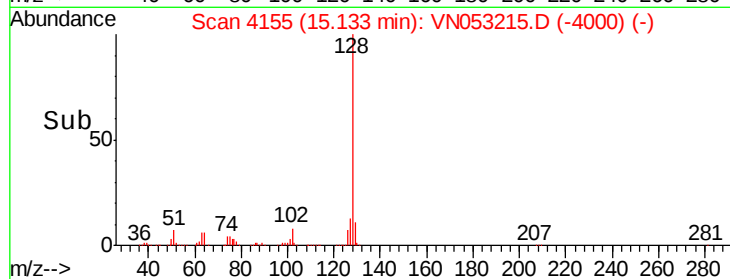
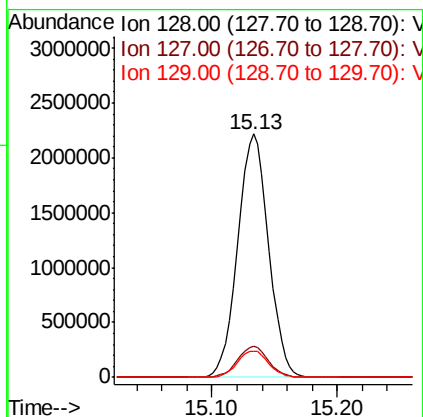
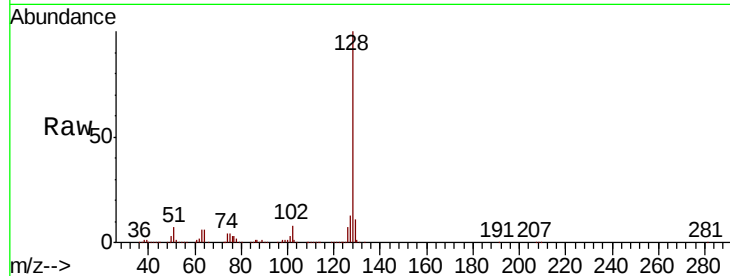
#91
Naphthalene
Concen: 182.770 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.9	14.9
129	10.9	8.5	12.7

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 174.087 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053215.D
Acq: 28 Dec 2018 10:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	0.0	196.2
145	29.9	0.0	62.2

