

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
 Data File : VN053214.D
 Acq On : 28 Dec 2018 9:48
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:48:09 AM

Quant Time: Dec 28 10:15:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 09:50:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	162450	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	943693	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	846262	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	306033	29.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.97%
60) 4-Bromofluorobenzene	12.40	95	394386	30.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.87%
63) Toluene-d8	10.09	98	1142031	29.62	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	1100474	101.977	ug/l 100
3) Chloromethane	2.06	50	1263056	99.074	ug/l 99
4) Vinyl Chloride	2.19	62	1241049	98.050	ug/l 97
5) Bromomethane	2.57	94	804642	98.807	ug/l 100
6) Chloroethane	2.71	64	710969	96.903	ug/l 100
7) Trichlorofluoromethane	3.02	101	1530941	98.007	ug/l 100
8) Diethyl Ether	3.41	74	577371	100.282	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.77	101	957643	97.284	ug/l 97
10) 1,1-Dichloroethene	3.74	96	946412	99.196	ug/l 96
11) Methyl Iodide	3.96	142	1460200	108.874	ug/l 99
12) Methyl Acetate	4.32	43	734642	99.603	ug/l 97
13) Acrolein	3.61	56	446526	515.343	ug/l 100
14) Acrylonitrile	4.99	53	1673164	508.620	ug/l 98
15) Acetone	3.82	58	355857	508.817	ug/l 95
16) Carbon Disulfide	4.06	76	2939308	101.293	ug/l 99
17) Allyl chloride	4.33	41	1500569	100.686	ug/l 97
18) Methylene Chloride	4.55	84	1055559	95.040	ug/l 94
19) trans-1,2-Dichloroethene	5.05	96	992616	98.176	ug/l 95
20) Diisopropyl ether	5.95	45	3179844	98.666	ug/l 94
21) 1,1-Dichloroethane	5.85	63	1846479	98.533	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	1127097	99.725	ug/l 98
23) tert-Butyl Alcohol	4.78	59	291694	539.362	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	2490427	101.001	ug/l 96
25) Chloroform	7.37	83	1775285	98.395	ug/l 99
26) Cyclohexane	7.66	56	1745639	100.762	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	1447979	101.646	ug/l 99
30) 2-Butanone	6.83	43	1836376	522.162	ug/l 98
31) 2,2-Dichloropropane	6.83	77	1408912	102.710	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	1515514	101.774	ug/l 97
33) Carbon Tetrachloride	7.78	117	1347978	104.517	ug/l 100
34) Benzene	8.04	78	4281942	98.964	ug/l # 91
35) Methacrylonitrile	7.17	41	452767	97.137	ug/l 97
36) 1,2-Dichloroethane	8.13	62	1240389	98.264	ug/l 98
37) Trichloroethene	8.83	130	1169040	100.139	ug/l 95
38) Methylcyclohexane	9.08	83	1692572	101.849	ug/l 97
39) 1,2-Dichloropropane	9.12	63	1124480	100.068	ug/l 97
40) Dibromomethane	9.21	93	638673	100.301	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1378944	101.460	ug/l	99
42) Vinyl Acetate	5.90	43	10077848	527.873	ug/l	97
43) Ethyl Acetate	6.93	43	815876	104.023	ug/l #	65
44) Isopropyl Acetate	8.16	43	1528902	104.780	ug/l #	79
45) 1,4-Dioxane	9.20	88	191313	2164.177	ug/l	92
46) Methyl methacrylate	9.20	41	777197	106.340	ug/l	95
47) n-amyl Acetate	12.07	43	1387558	111.293	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	1455188	108.206	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	1684453	104.390	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	910087	99.555	ug/l	100
51) Ethyl methacrylate	10.43	69	1246683	108.773	ug/l	93
52) 1,3-Dichloropropane	10.71	76	1584372	101.188	ug/l	99
53) Dibromochloromethane	10.90	129	1053228	105.082	ug/l	97
54) 1,2-Dibromoethane	11.01	107	931874	102.639	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	3523405	528.638	ug/l	99
56) Bromoform	12.13	173	731006	108.853	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	4101797	508.136	ug/l	97
59) 2-Hexanone	10.75	43	2831397	508.793	ug/l	97
61) Tetrachloroethene	10.63	164	1217482	94.280	ug/l	97
62) Toluene	10.16	91	4601932	97.517	ug/l	99
64) Chlorobenzene	11.43	112	2924991	99.881	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	1030236	100.786	ug/l	100
66) Ethyl Benzene	11.51	91	5093531	101.223	ug/l	99
67) m/p-Xylenes	11.62	106	3825177	200.370	ug/l	99
68) o-Xylene	11.95	106	1860817	100.955	ug/l	98
69) Styrene	11.96	104	3099231	104.512	ug/l	99
70) Isopropylbenzene	12.25	105	4882122	100.536	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	1042526	102.353	ug/l	99
72) 1,1,2,3-Trichloropropane	12.55	75	932348m	107.340	ug/l	
73) Bromobenzene	12.53	156	1276106	103.243	ug/l	94
74) n-propylbenzene	12.59	91	5619530	103.524	ug/l	98
75) 2-Chlorotoluene	12.68	91	3307292	102.147	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	3941478	103.355	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	341794	116.043	ug/l	91
78) 4-Chlorotoluene	12.77	91	3400324	104.027	ug/l	99
79) tert-butylbenzene	12.99	119	3410103	101.990	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	3988900	104.633	ug/l	98
81) sec-Butylbenzene	13.17	105	4571057	103.805	ug/l	100
82) p-Isopropyltoluene	13.29	119	4044010	107.394	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	2235044	106.706	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	2209780	109.038	ug/l	99
85) n-Butylbenzene	13.62	91	3403594	113.274	ug/l	98
86) Hexachloroethane	13.88	117	667093	114.401	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	2078475	105.524	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	155589	109.319	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	1068364	121.349	ug/l	99
90) Hexachlorobutadiene	15.01	225	574372	96.100	ug/l	99
91) Naphthalene	15.13	128	2377238	131.767	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	963780	123.112	ug/l	98

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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

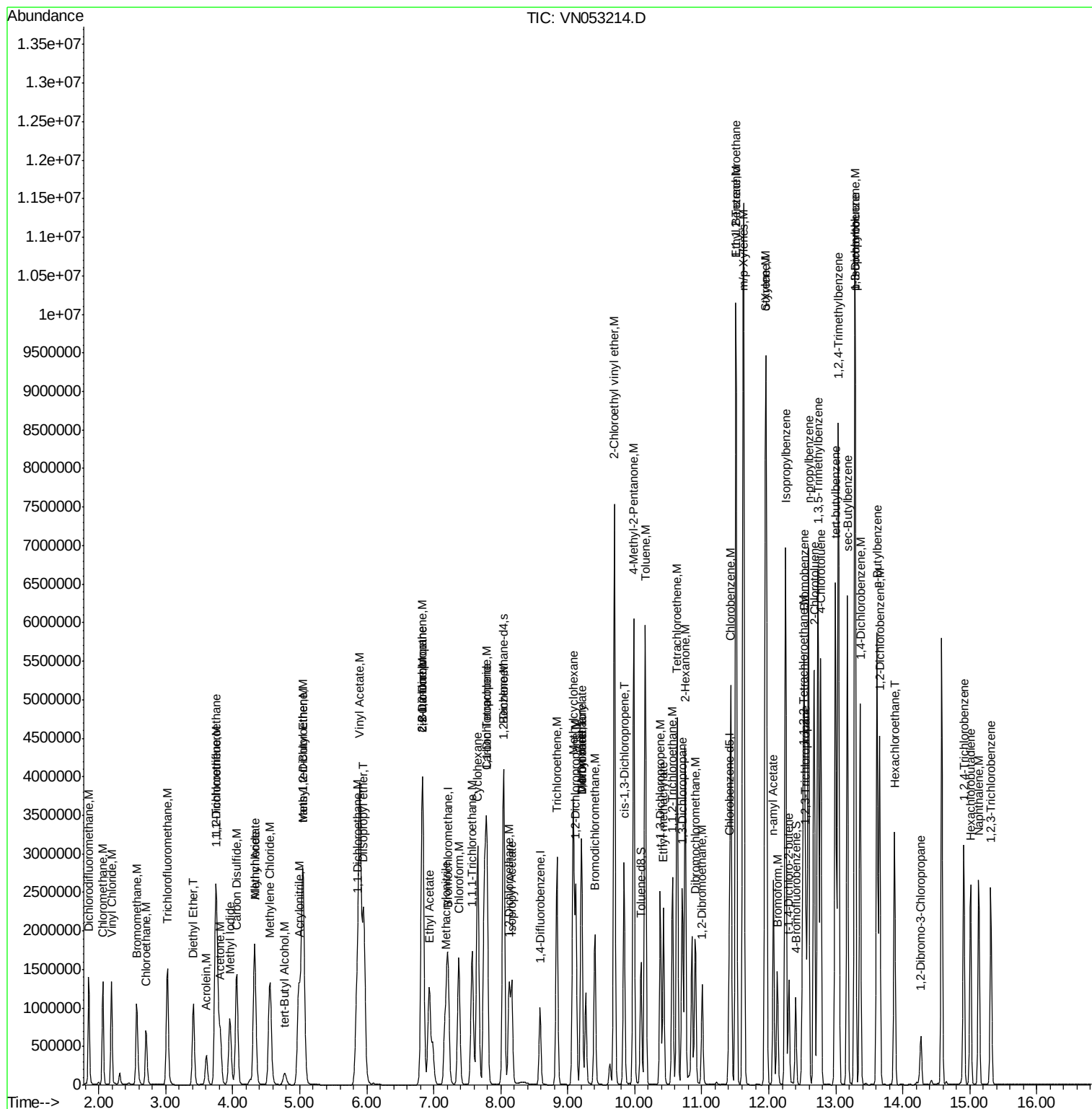
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Data File : VN053214.D
Acq On : 28 Dec 2018 9:48
Operator : MD\SY
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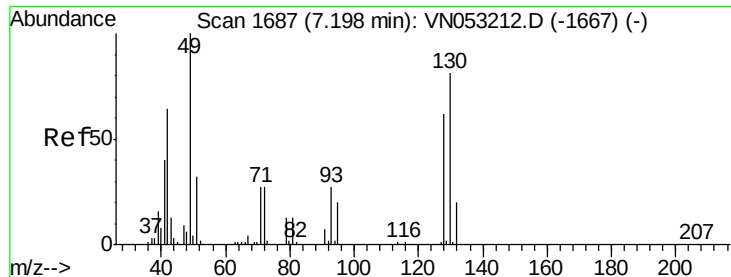
Instrument :
MSVOA_N
Client Sample Id :
VSTDICC100

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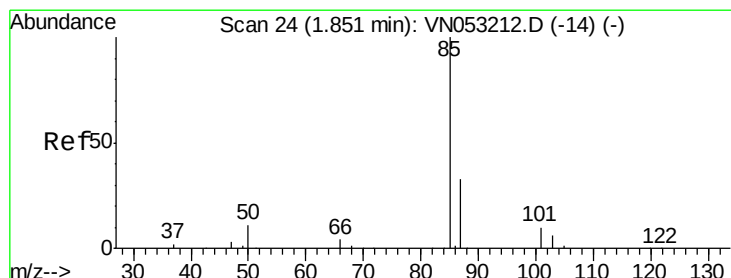
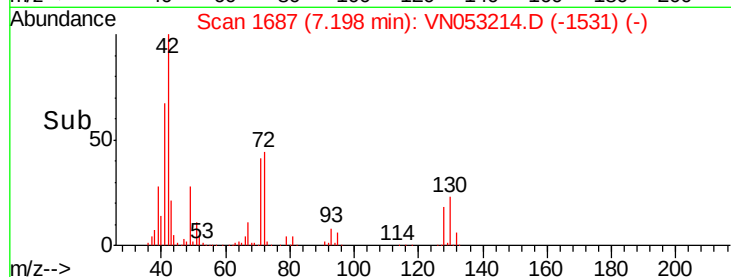
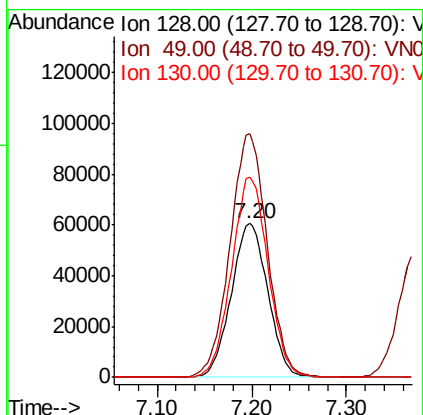
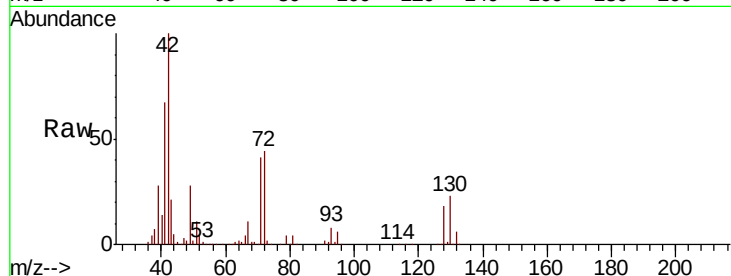
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Instrument :
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ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
49	161.6	0.0	431.8
130	130.1	0.0	317.0

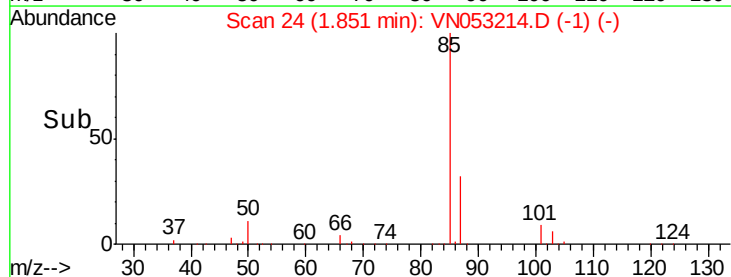
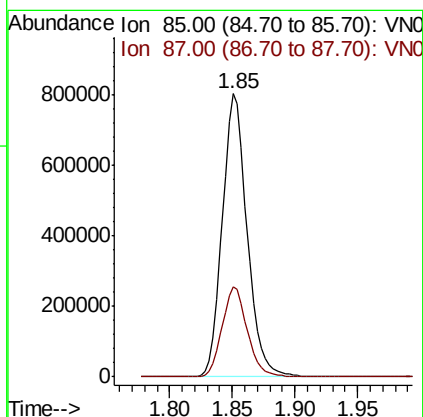
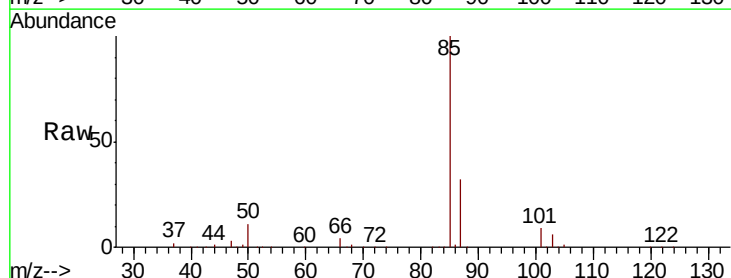
Manual Integrations
APPROVED

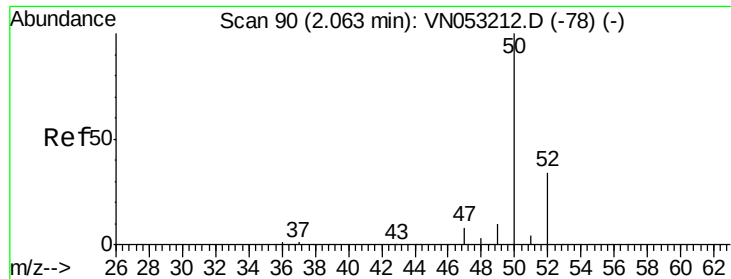
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#2
Dichlorodifluoromethane
Concen: 101.977 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.1	48.3





#3

Chloromethane

Concen: 99.074 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 1263056

Ion Ratio Lower Upper

50 100

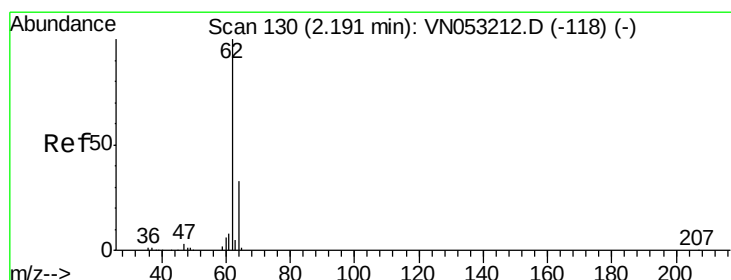
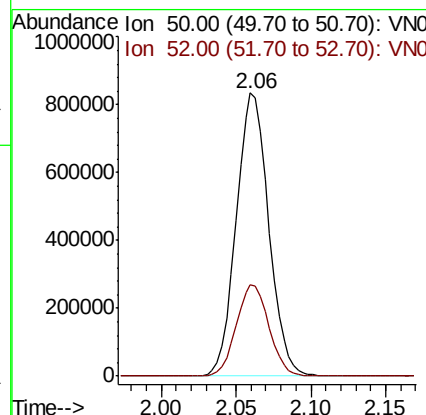
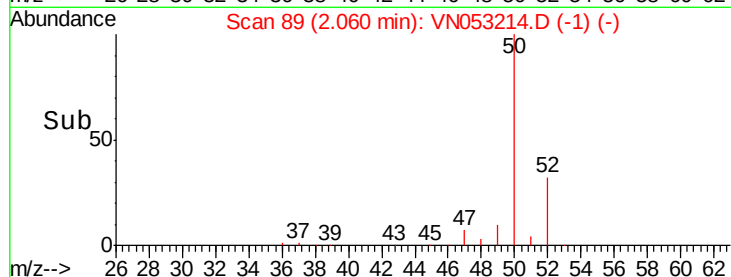
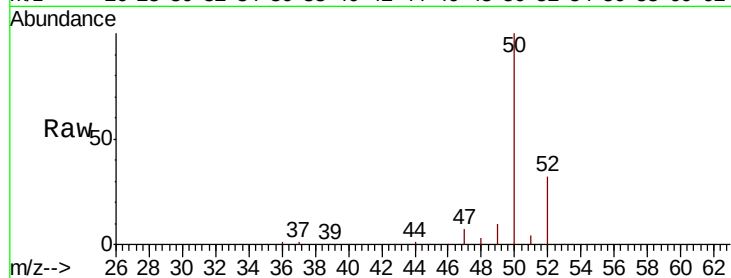
52 32.4 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 98.050 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053214.D

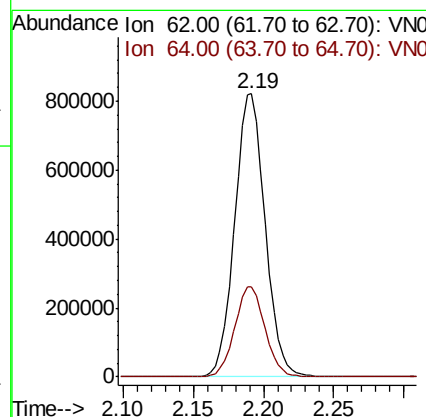
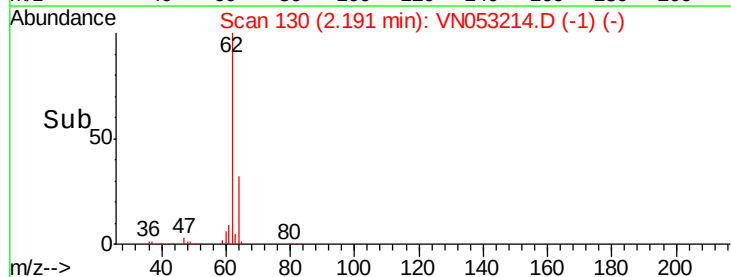
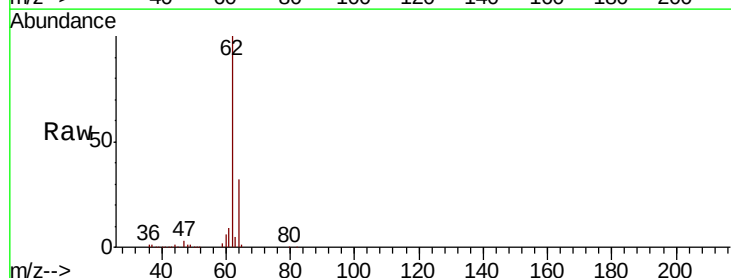
Acq: 28 Dec 2018 9:48

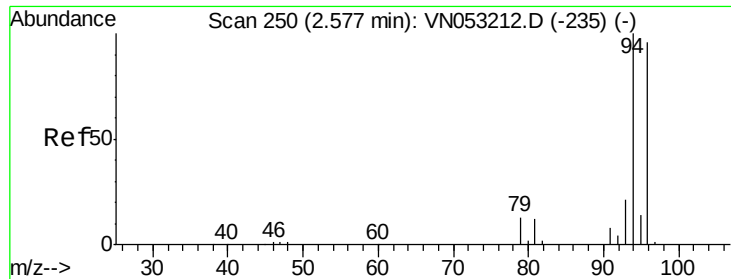
Tgt Ion: 62 Resp: 1241049

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.4





#5

Bromomethane

Concen: 98.807 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 804642

Ion Ratio Lower Upper

94 100

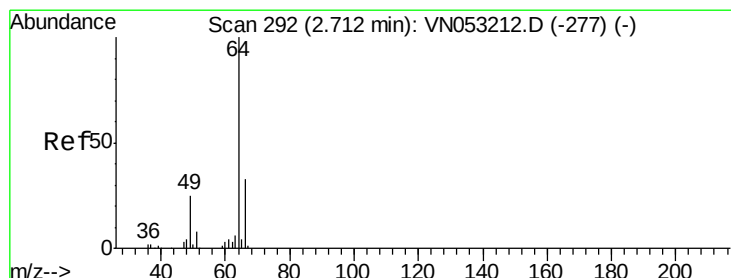
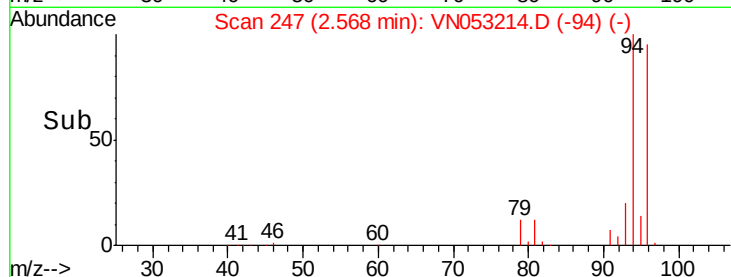
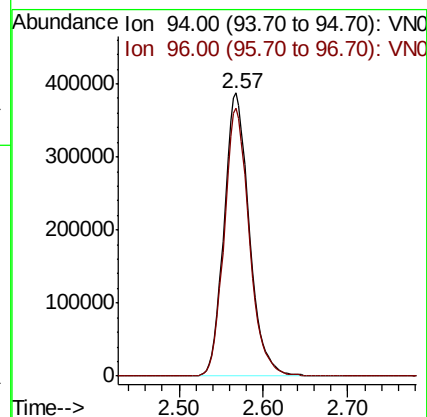
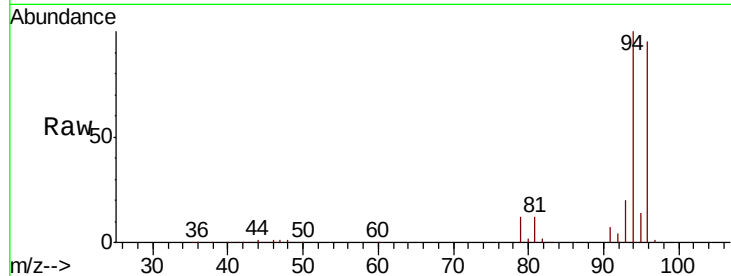
96 94.9 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 96.903 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053214.D

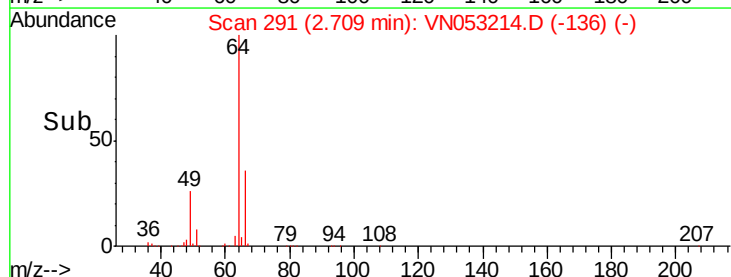
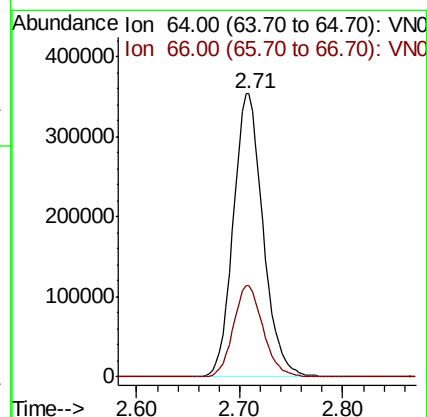
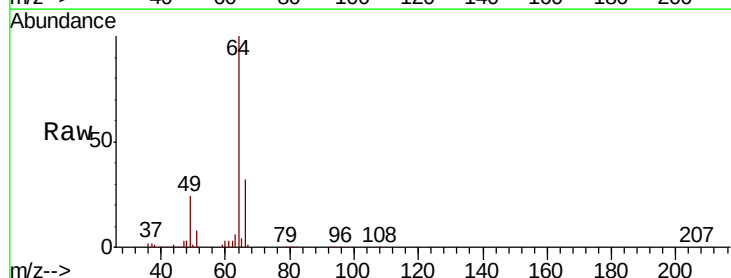
Acq: 28 Dec 2018 9:48

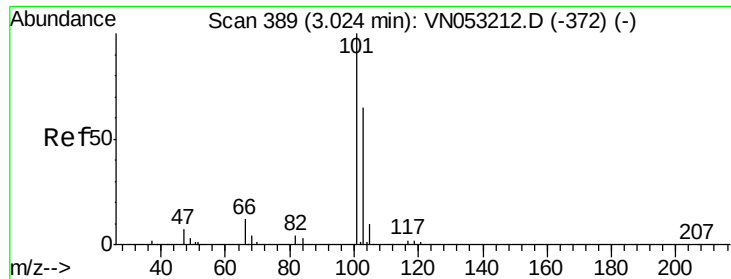
Tgt Ion: 64 Resp: 710969

Ion Ratio Lower Upper

64 100

66 32.2 25.6 38.4





#7

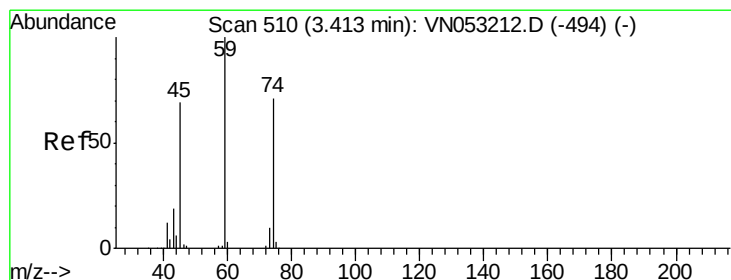
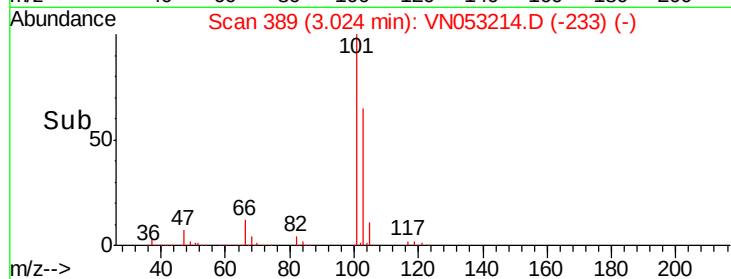
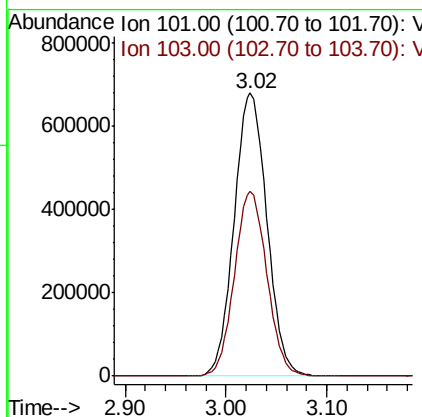
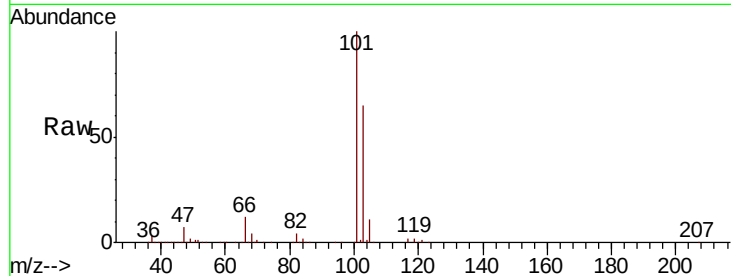
Trichlorofluoromethane
 Concen: 98.007 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.1	78.1

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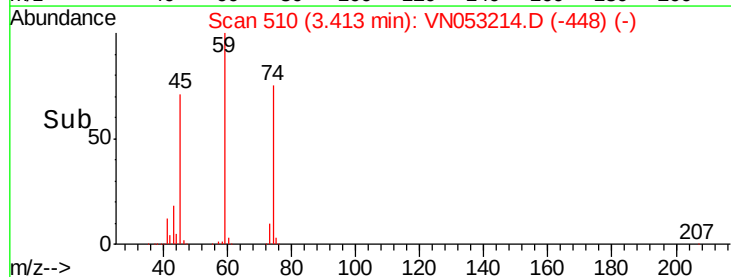
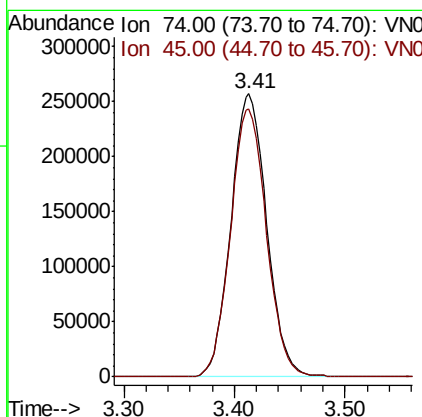
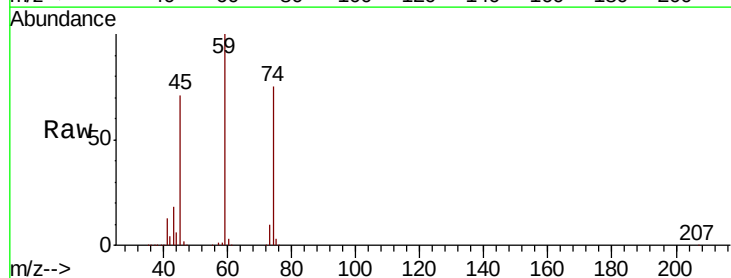
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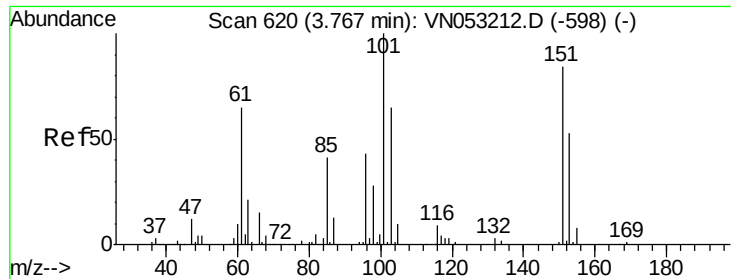


#8

Diethyl Ether
 Concen: 100.282 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 97.284 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Instrument :

MSVOA_N

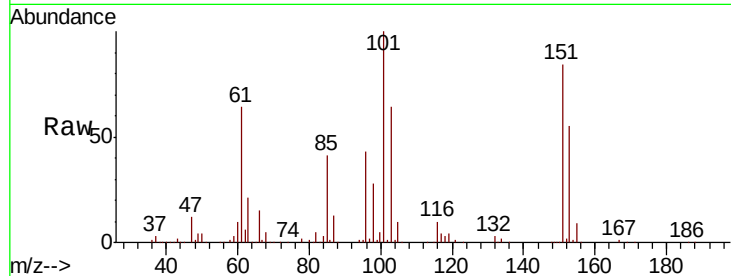
ClientSampleId :

VSTDIC100

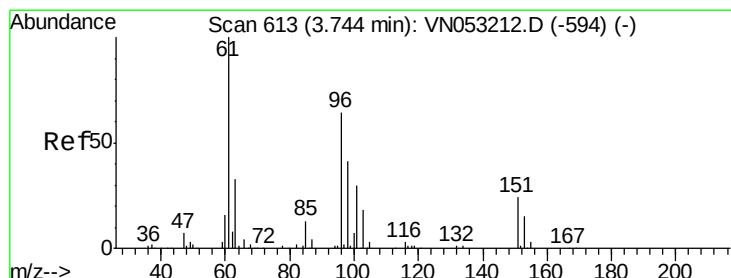
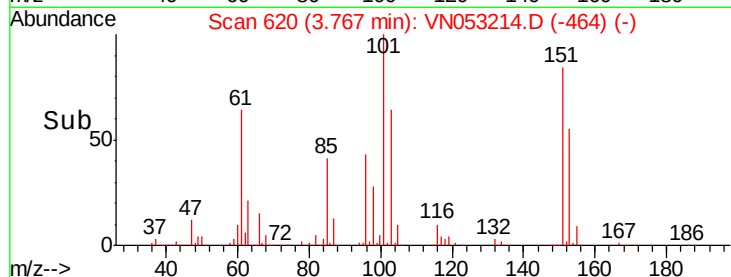
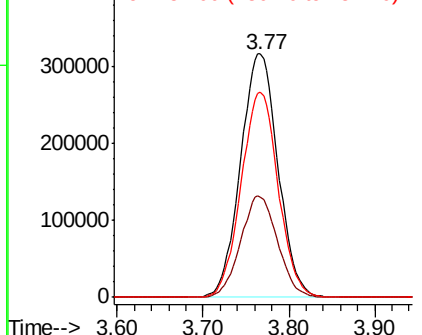
Tot Ion:	101	Resp:	957643
Ion Ratio	Lower	Upper	
101	100		
85	41.2	0.0	82.6
151	83.6	0.0	158.4

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 99.196 ug/l

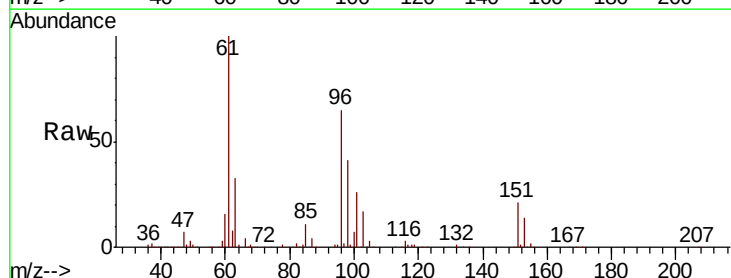
RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

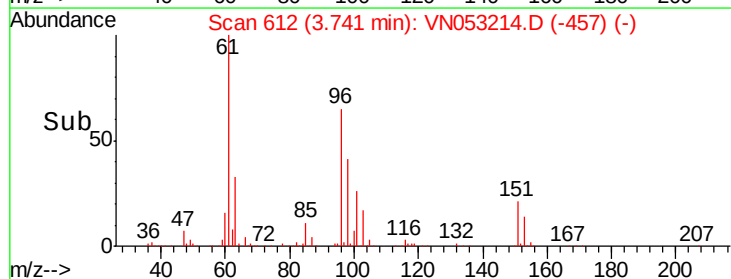
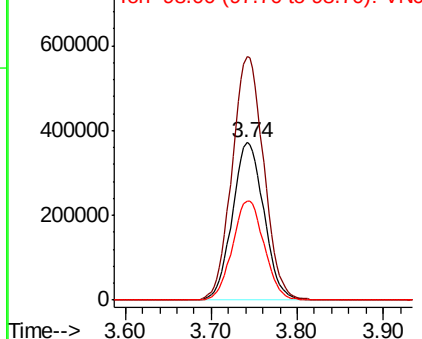
Lab File: VN053214.D

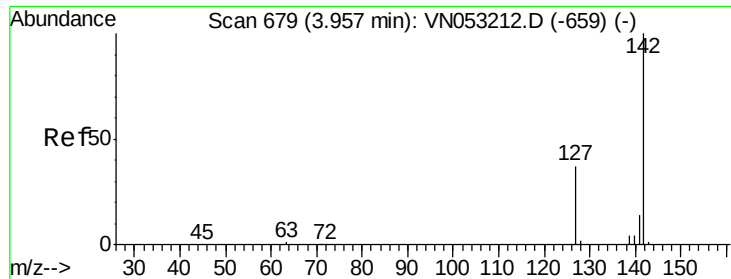
Acq: 28 Dec 2018 9:48

Tgt Ion:	96	Resp:	946412
Ion Ratio	Lower	Upper	
96	100		
61	154.7	129.4	194.2
98	62.8	50.4	75.6



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





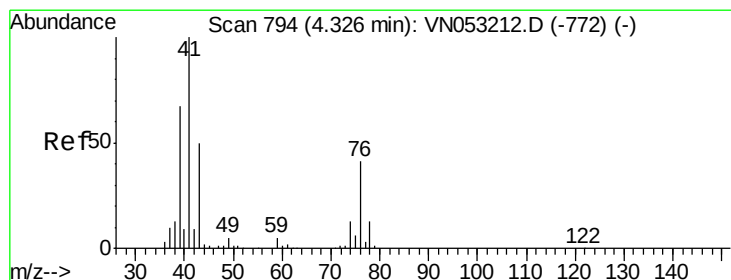
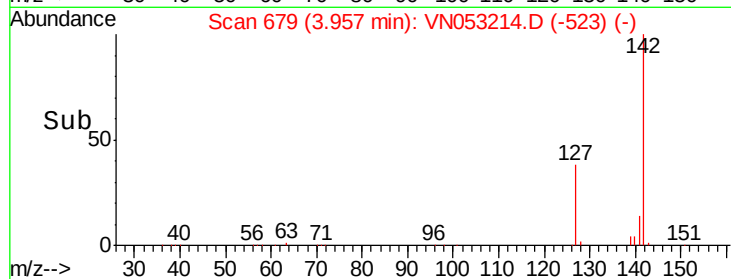
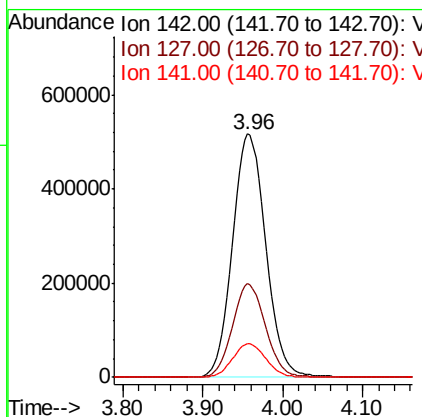
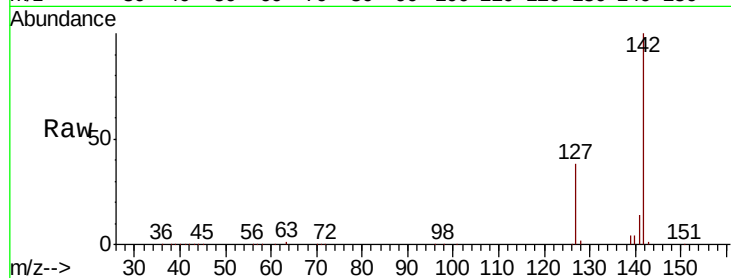
#11
Methvl Iodide
Concen: 108.874 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:142 Resp: 1460200
Ion Ratio Lower Upper
142 100
127 38.3 19.4 58.1
141 13.8 7.2 21.6

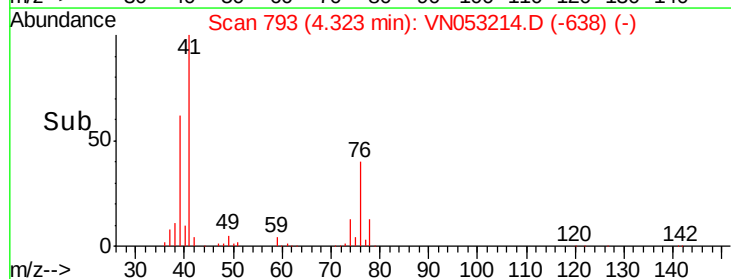
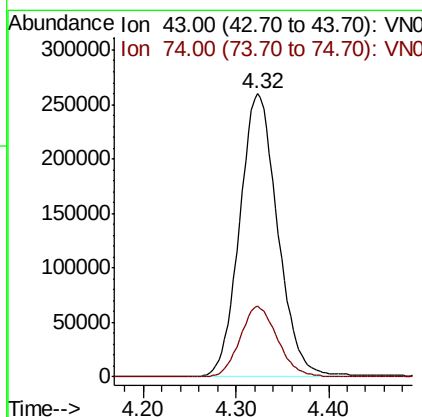
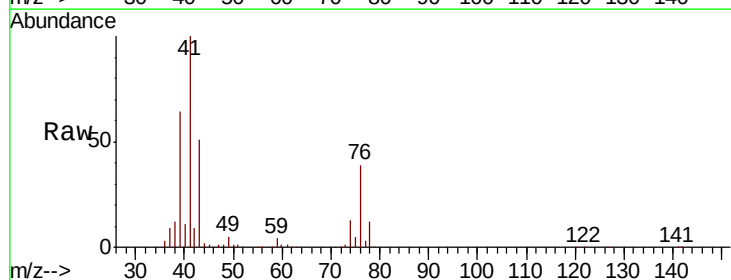
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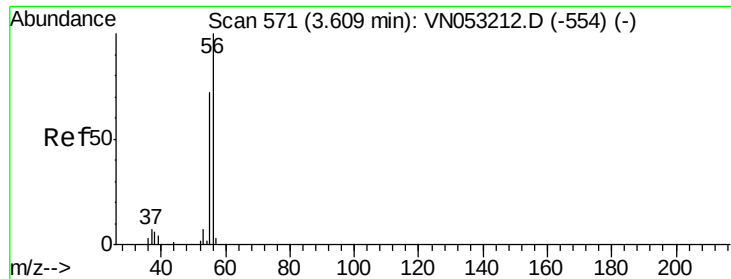
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#12
Methyl Acetate
Concen: 99.603 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tgt Ion: 43 Resp: 734642
Ion Ratio Lower Upper
43 100
74 25.1 18.9 28.3





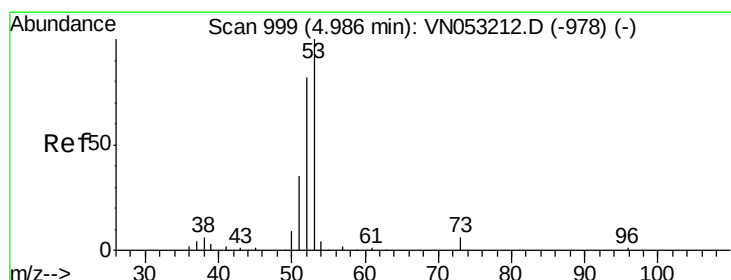
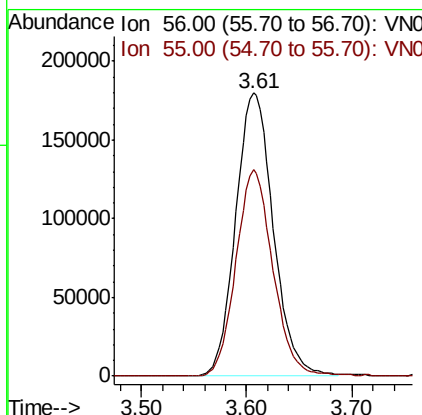
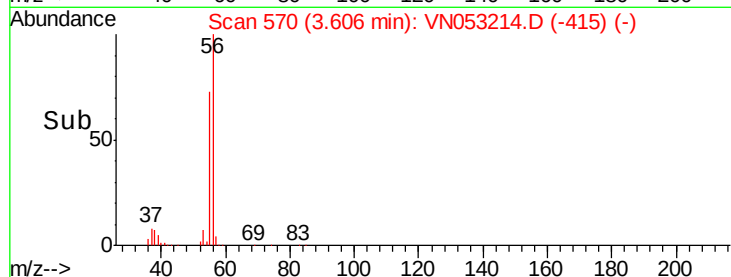
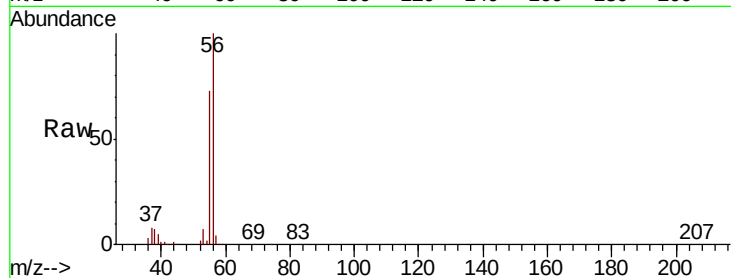
#13
Acrolein
Concen: 515.343 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.7	85.1

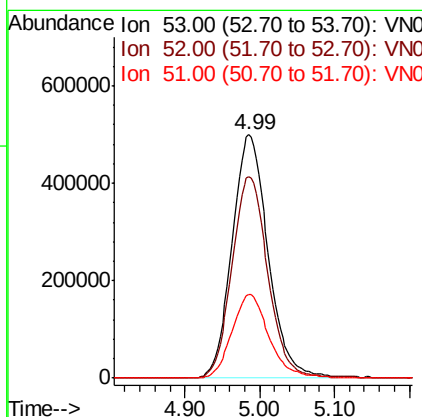
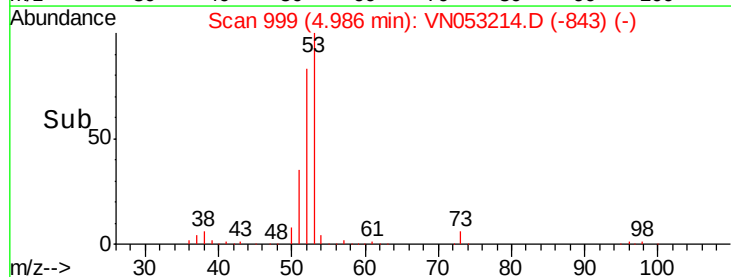
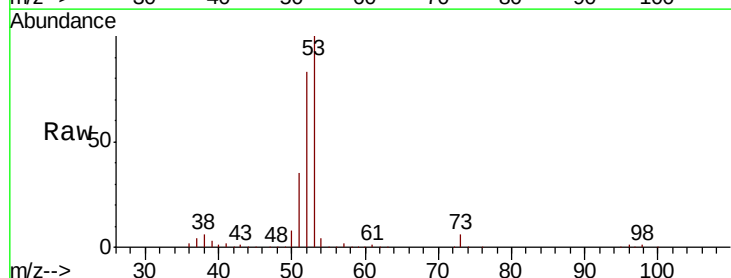
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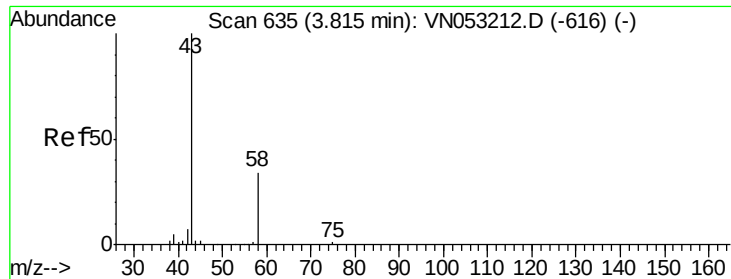
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#14
Acrylonitrile
Concen: 508.620 ug/l
RT: 4.99 min Scan# 999
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.6	39.9	119.7
51	35.4	17.6	52.9





#15

Acetone

Concen: 508.817 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 355857

Ion Ratio Lower Upper

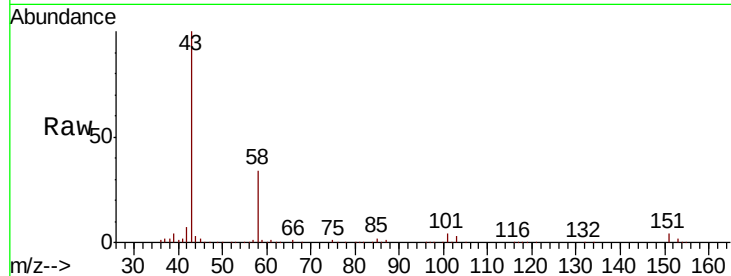
58 100

43 293.7 243.6 365.4

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Abundance Ion 58.00 (57.70 to 58.70): VN053212.D (-616) (-)

Ion 43.00 (42.70 to 43.70): VN053212.D (-616) (-)

400000

300000

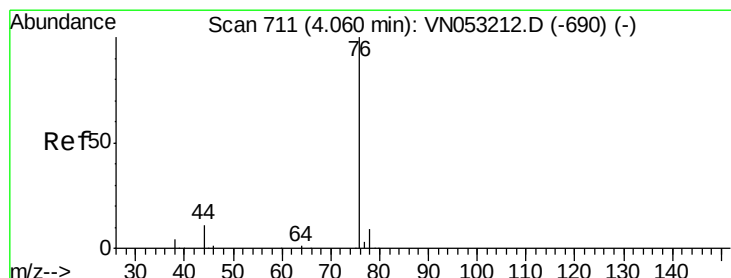
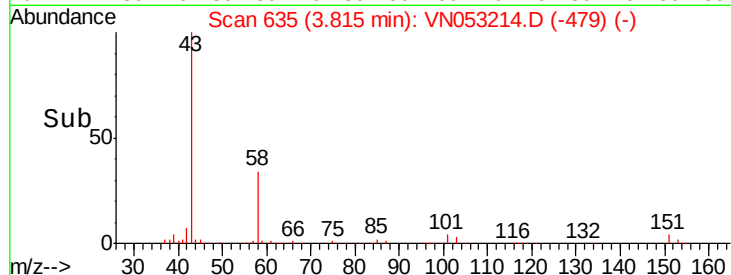
200000

100000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 101.293 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053214.D

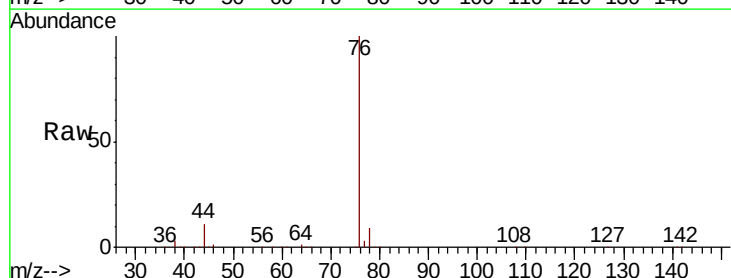
Acq: 28 Dec 2018 9:48

Tgt Ion: 76 Resp: 2939308

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN053212.D (-690) (-)

Ion 78.00 (77.70 to 78.70): VN053212.D (-690) (-)

1200000

1000000

800000

600000

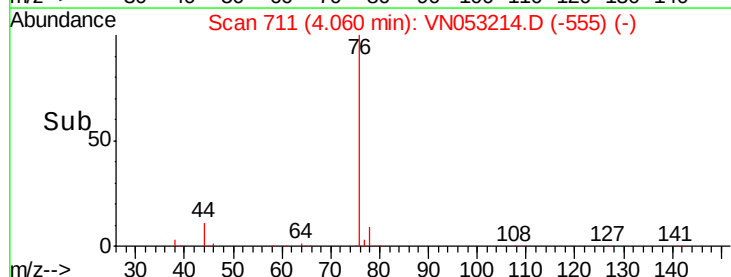
400000

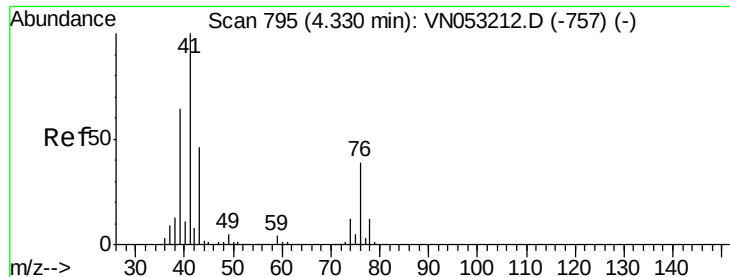
200000

0

3.90 4.00 4.10 4.20

Time-->





#17

Allvl chloride

Concen: 100.686 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 1500569

Ion Ratio Lower Upper

41 100

39 63.3 32.8 98.3

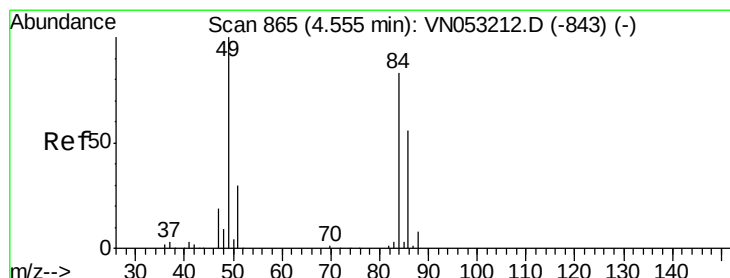
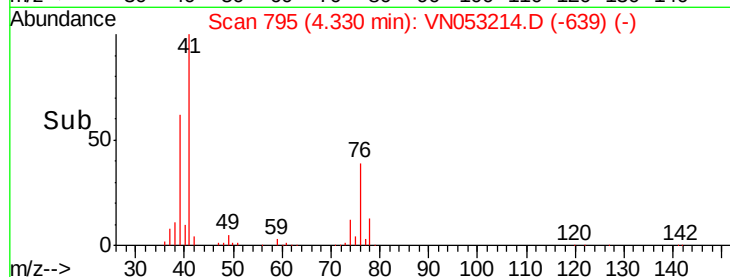
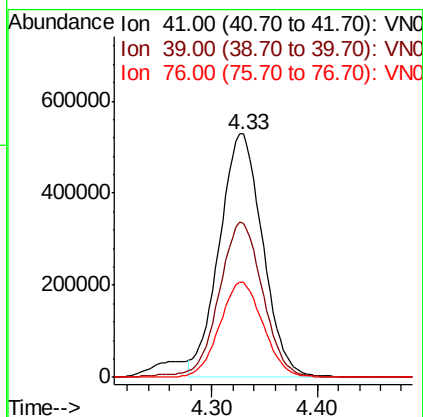
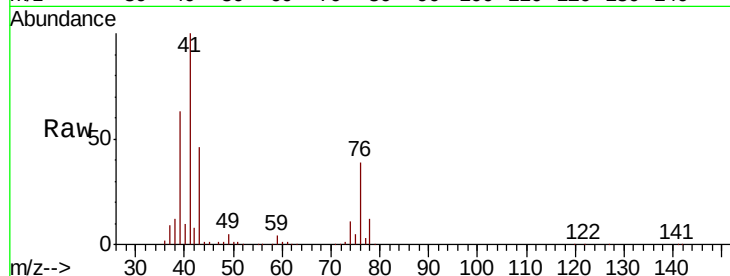
76 39.0 18.6 55.8

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#18

Methylene Chloride

Concen: 95.040 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Tgt Ion: 84 Resp: 1055559

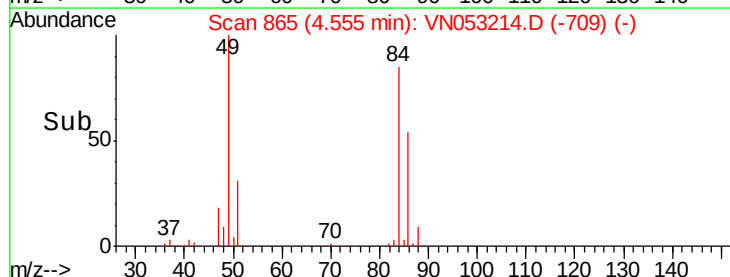
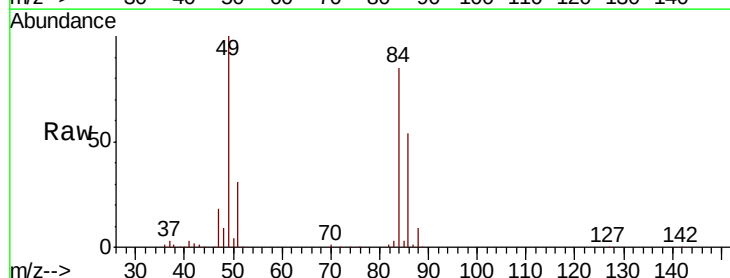
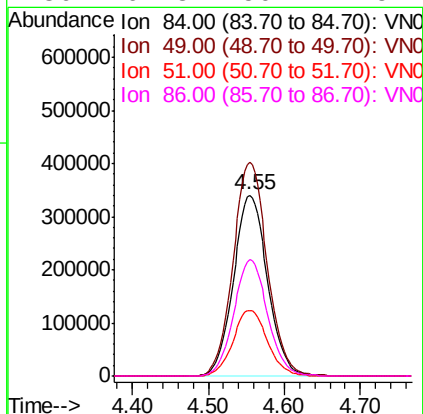
Ion Ratio Lower Upper

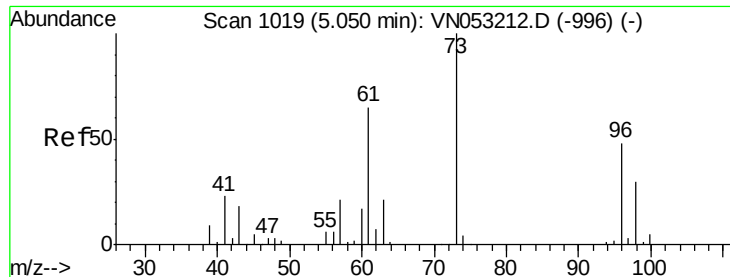
84 100

49 118.1 101.4 152.0

51 36.4 31.7 47.5

86 64.3 50.1 75.1





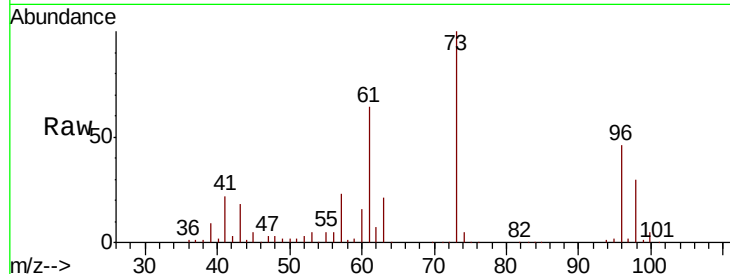
#19
trans-1,2-Dichloroethene
Concen: 98.176 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	118.2	177.4
98	64.5	51.4	77.2

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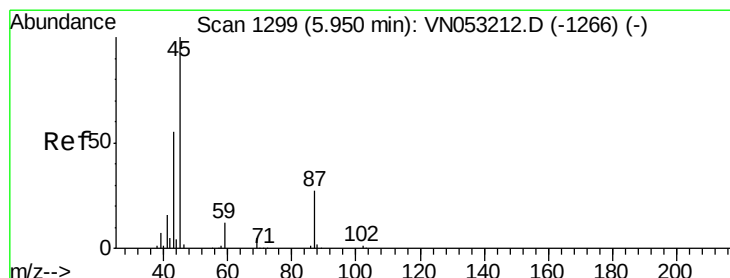
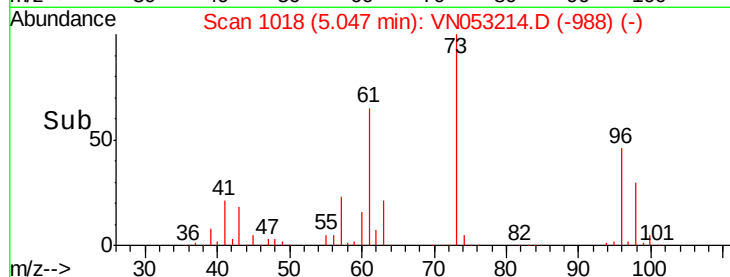
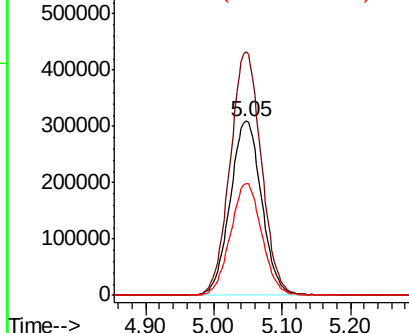


Abundance

Ion 96.00 (95.70 to 96.70): VN053214.D (-996) (-)

Ion 61.00 (60.70 to 61.70): VN053214.D (-996) (-)

Ion 98.00 (97.70 to 98.70): VN053214.D (-996) (-)



#20
Diisopropyl ether
Concen: 98.666 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.0	47.8	71.8
87	28.4	21.3	31.9
59	11.8	8.9	13.3

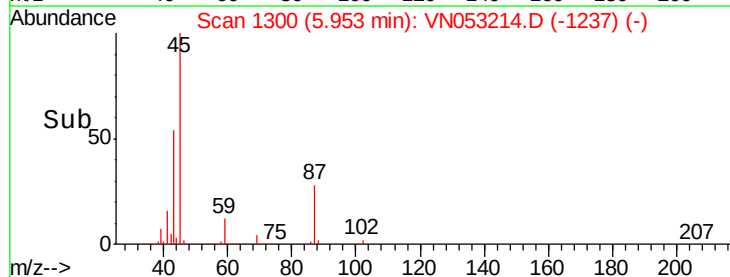
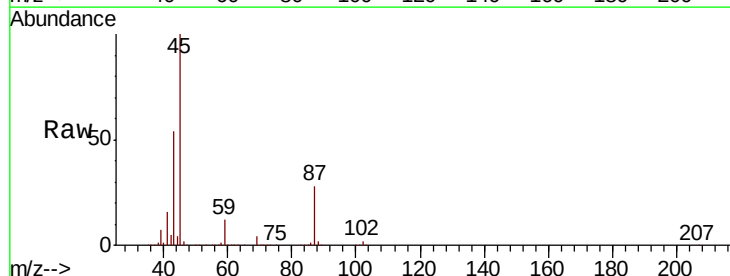
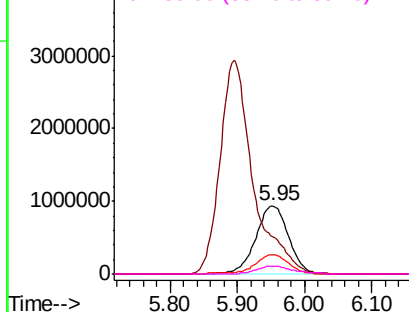
Abundance

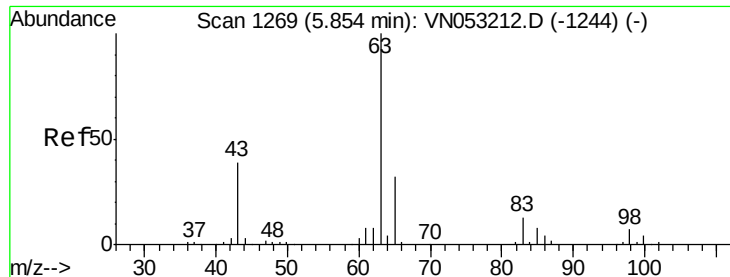
Ion 45.00 (44.70 to 45.70): VN053214.D (-1237) (-)

Ion 43.00 (42.70 to 43.70): VN053214.D (-1237) (-)

Ion 87.00 (86.70 to 87.70): VN053214.D (-1237) (-)

Ion 59.00 (58.70 to 59.70): VN053214.D (-1237) (-)





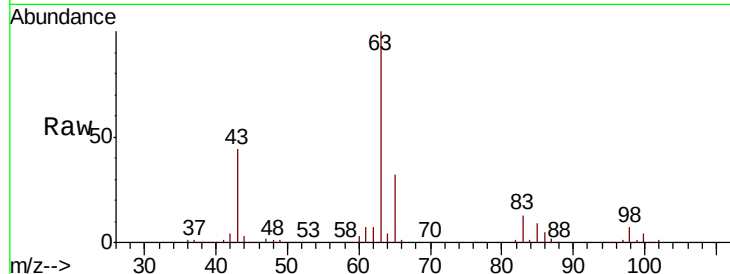
#21
 1,1-Dichloroethane
 Concen: 98.533 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

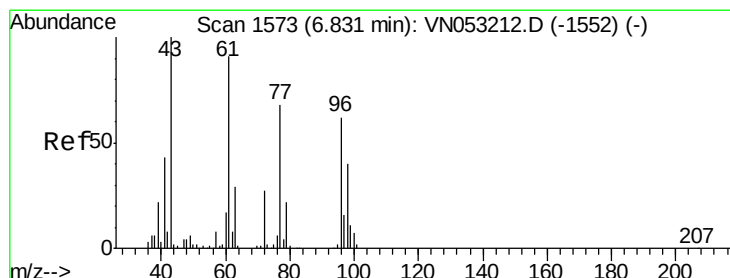
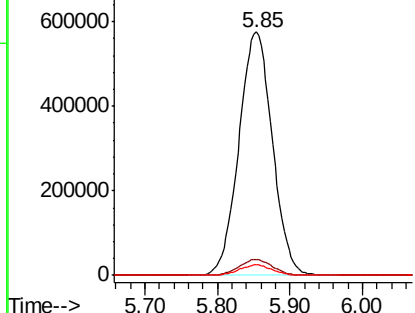
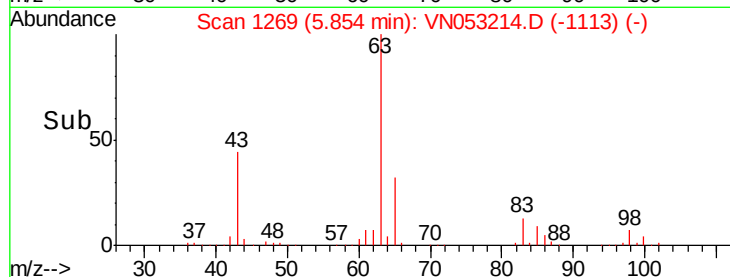
Tot Ion:	63	Resp:	1846479
Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.0	9.2
100	4.3	1.8	5.5

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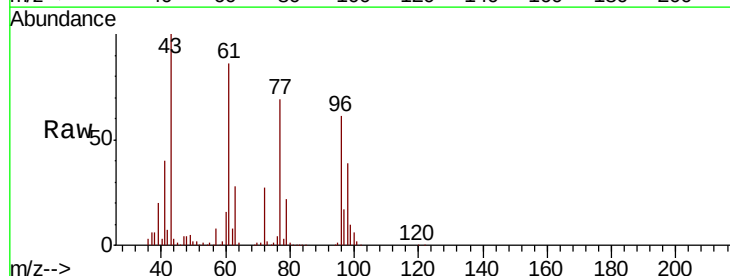


Abundance Ion 63.00 (62.70 to 63.70): VN053214.D (-1113) (-)
 Ion 98.00 (97.70 to 98.70): VN053214.D (-1113) (-)
 Ion 100.00 (99.70 to 100.70): VN053214.D (-1113) (-)

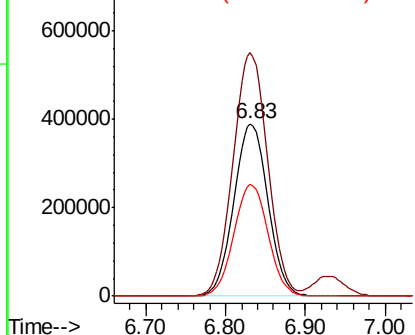
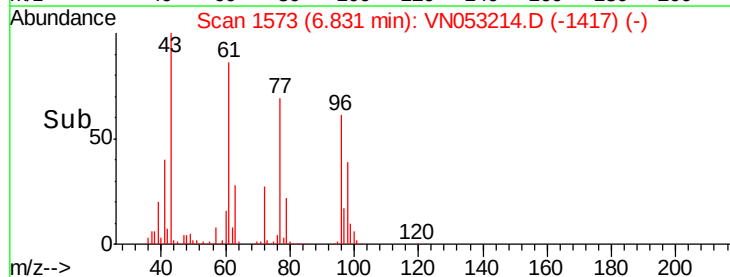


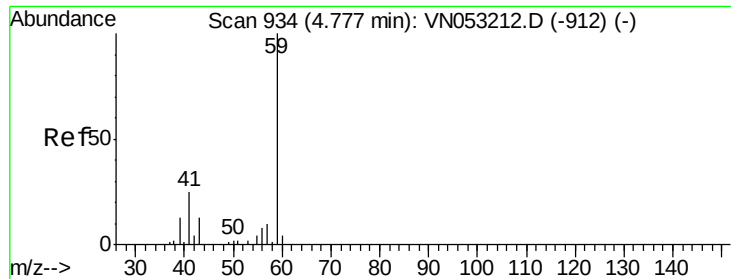
#22
 cis-1,2-Dichloroethene
 Concen: 99.725 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Tgt Ion:	96	Resp:	1127097
Ion	Ratio	Lower	Upper
96	100		
61	143.5	116.7	175.1
98	65.1	50.8	76.2



Abundance Ion 96.00 (95.70 to 96.70): VN053214.D (-1417) (-)
 Ion 61.00 (60.70 to 61.70): VN053214.D (-1417) (-)
 Ion 98.00 (97.70 to 98.70): VN053214.D (-1417) (-)





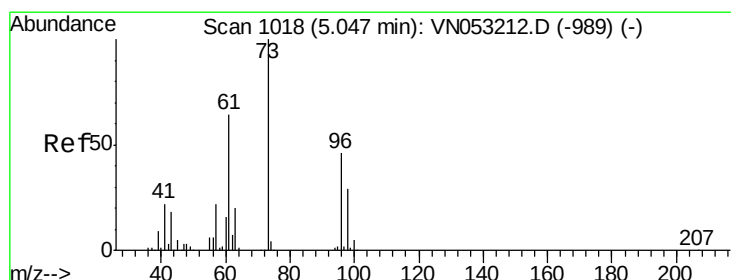
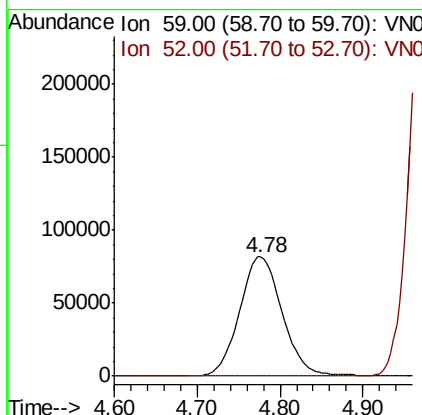
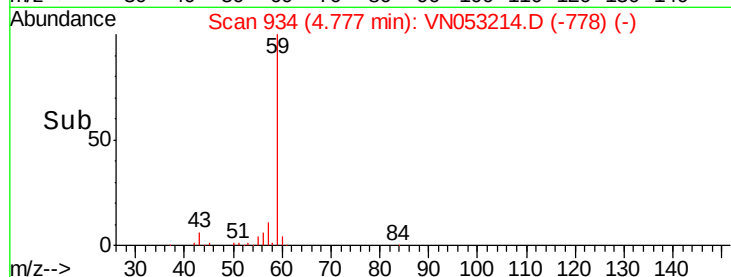
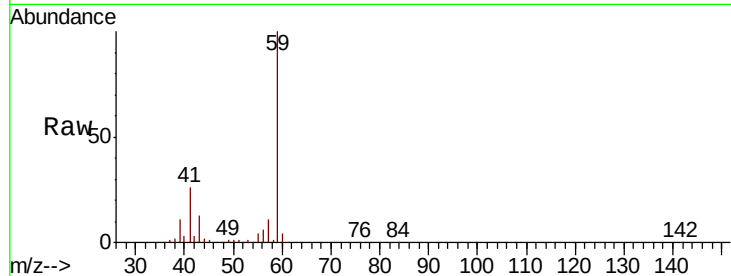
#23
tert-Butyl Alcohol
Concen: 539.362 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 291694
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#

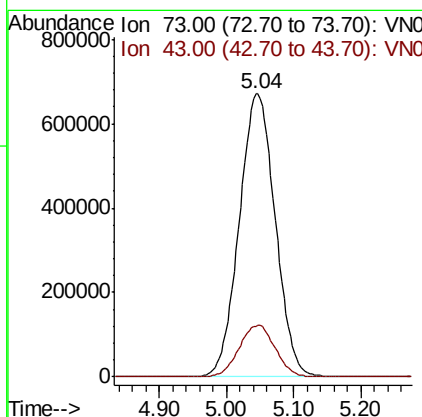
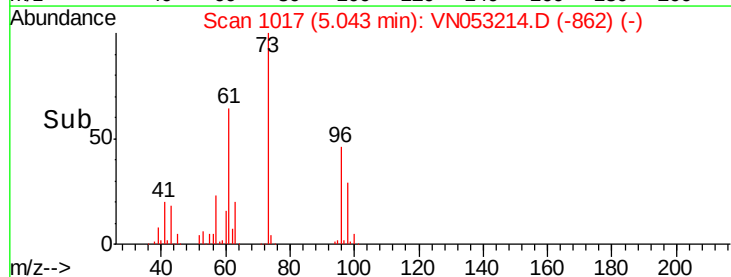
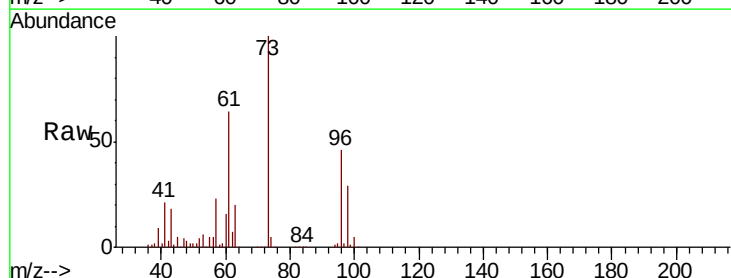
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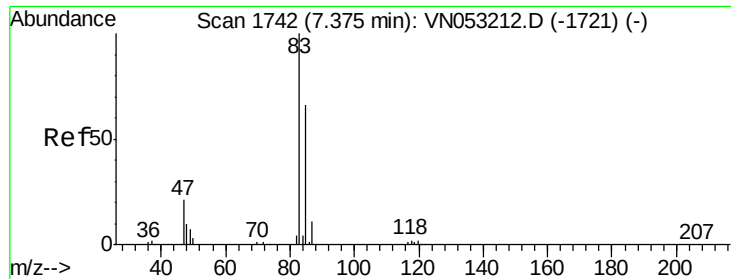
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#24
Methyl tert-Butyl Ether
Concen: 101.001 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tgt Ion: 73 Resp: 2490427
Ion Ratio Lower Upper
73 100
43 18.2 15.8 23.8





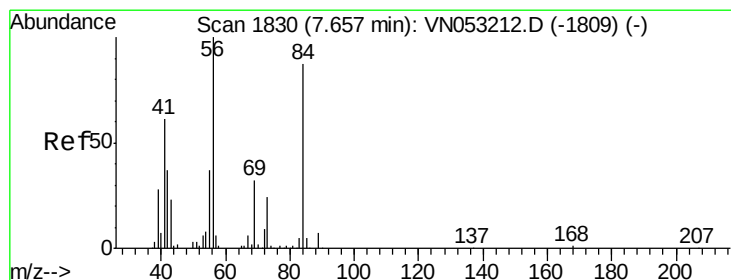
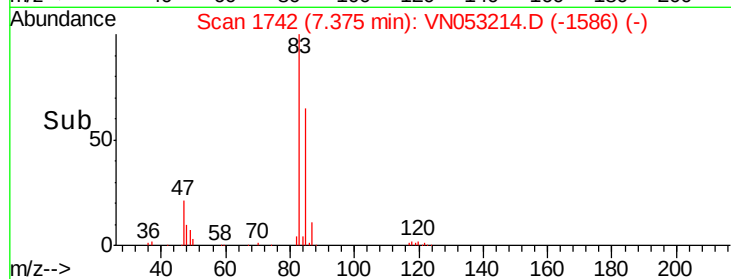
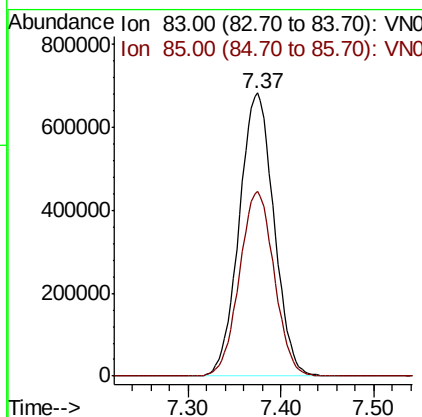
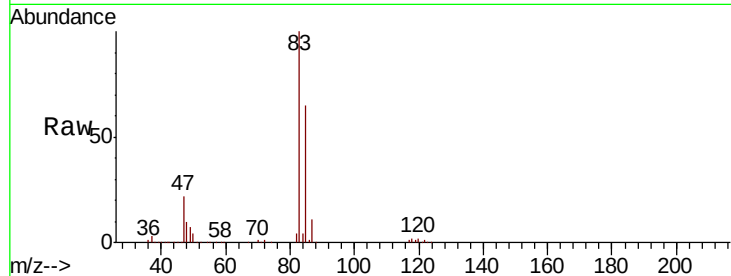
#25
Chloroform
Concen: 98.395 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1775285
Ion Ratio Lower Upper
83 100
85 65.2 51.7 77.5

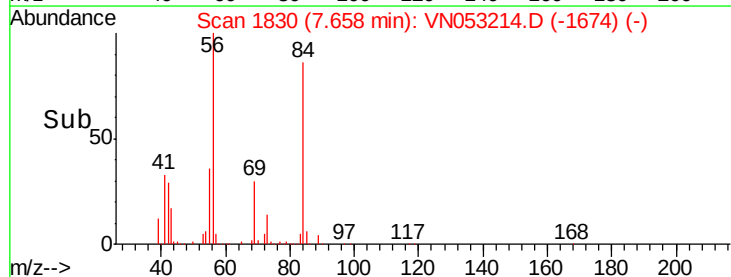
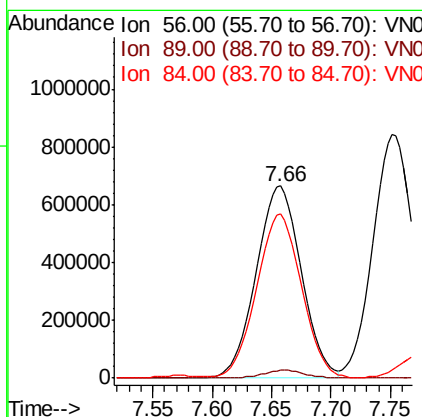
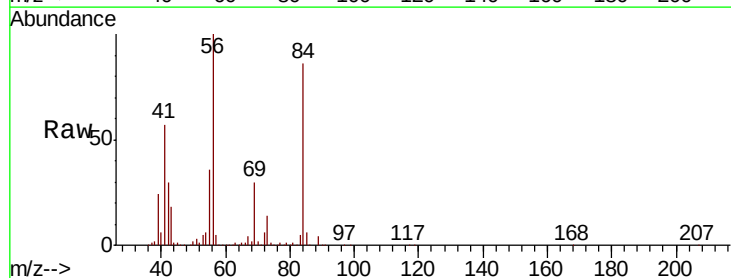
Manual Integrations
APPROVED

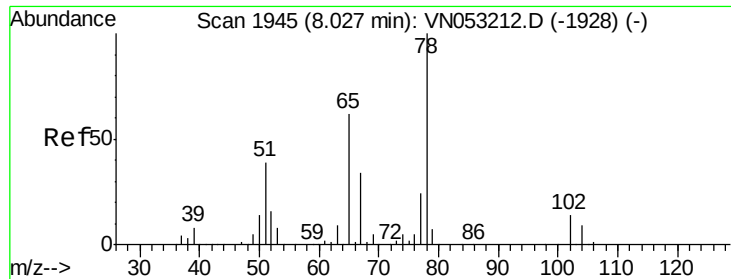
MMDadoda
1/2/2019 9:48:09 AM



#26
Cyclohexane
Concen: 100.762 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tgt Ion: 56 Resp: 1745639
Ion Ratio Lower Upper
56 100
89 3.8 0.5 0.7#
84 85.3 66.2 99.2





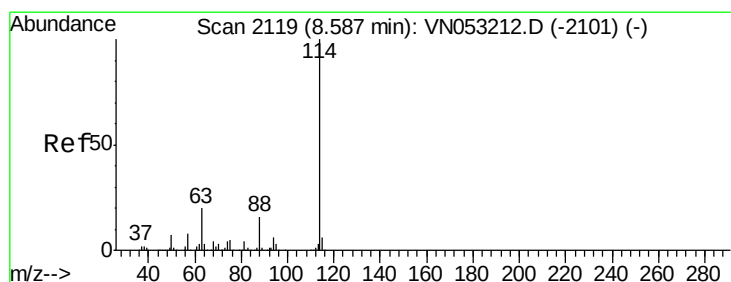
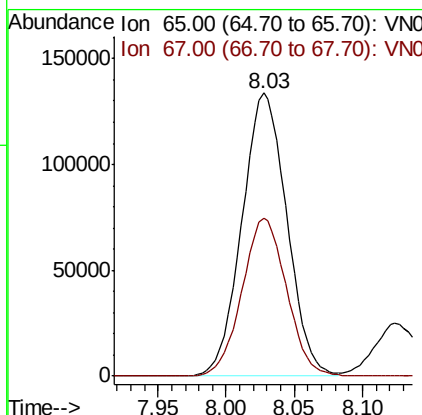
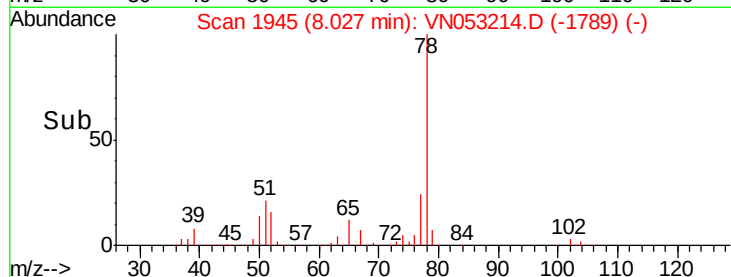
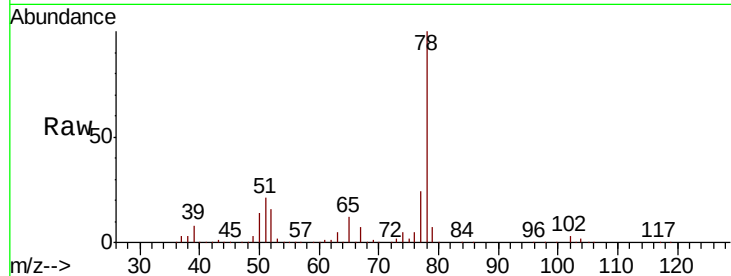
#27
 1,2-Dichloroethane-d4
 Concen: 100.762 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	44.6	66.8

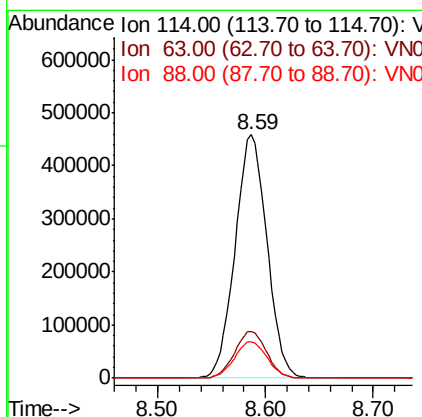
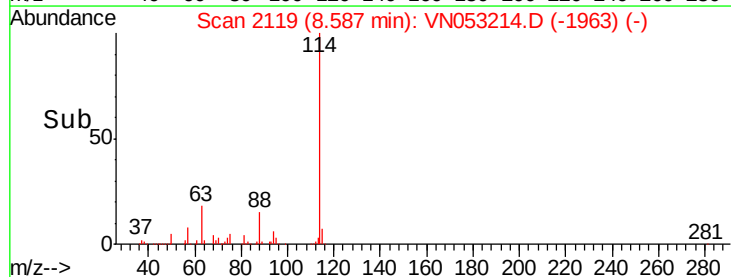
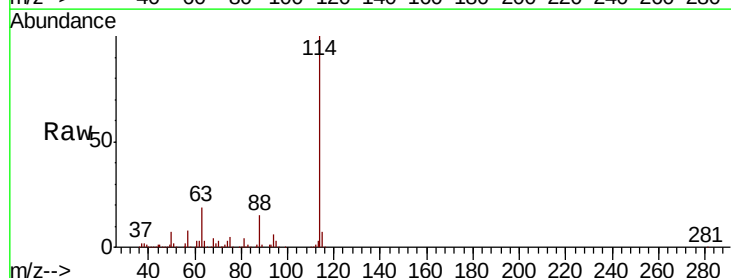
Manual Integrations
 APPROVED

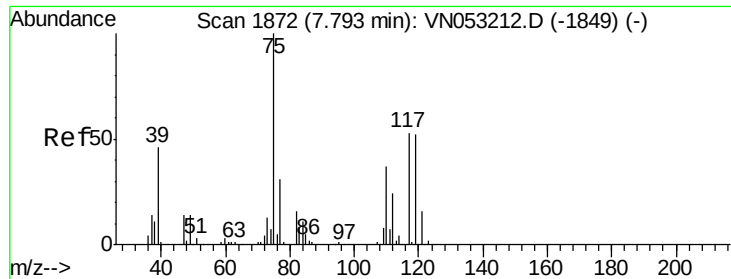
MMDadoda
 1/2/2019 9:48:09 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	16.9	25.3
88	15.3	12.8	19.2





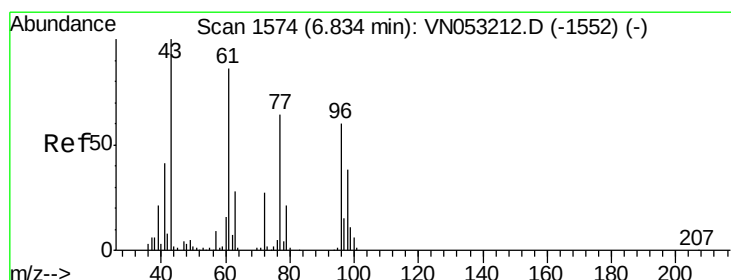
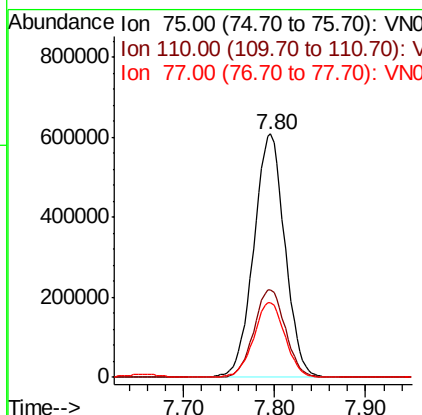
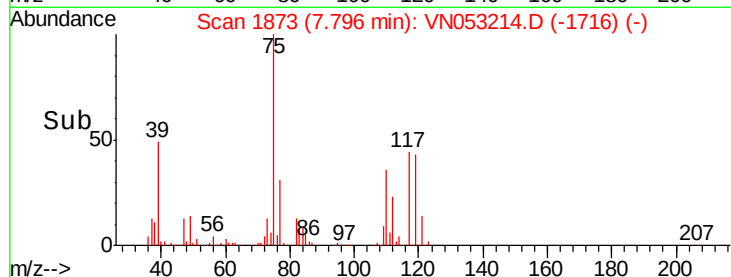
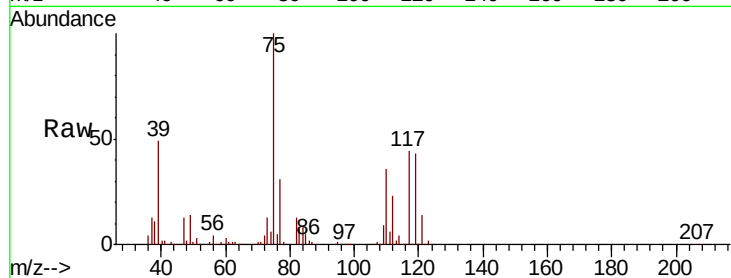
#29
 1,1-Dichloropropene
 Concen: 101.646 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.3	0.0	70.2
77	30.9	0.0	62.6

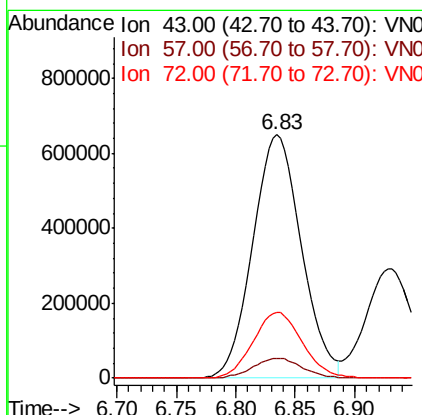
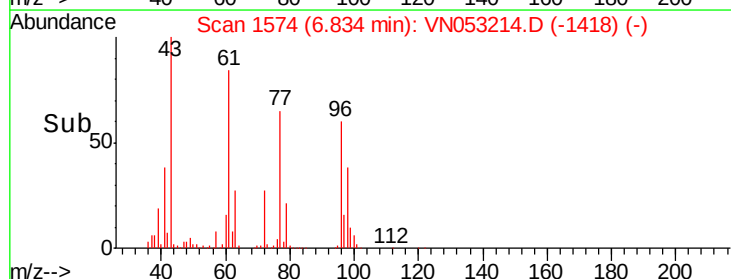
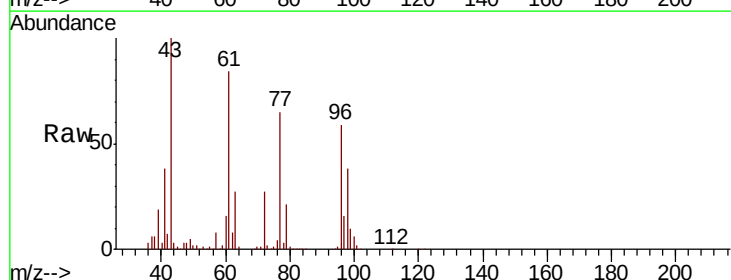
Manual Integrations
 APPROVED

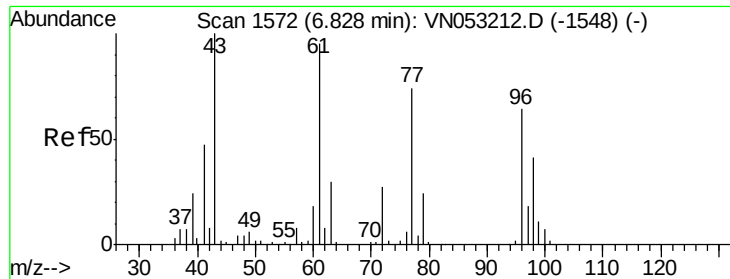
MMDadoda
 1/2/2019 9:48:09 AM



#30
 2-Butanone
 Concen: 522.162 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.2	9.4
72	27.7	21.0	31.6





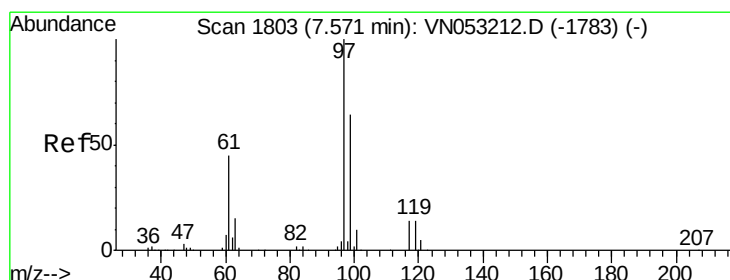
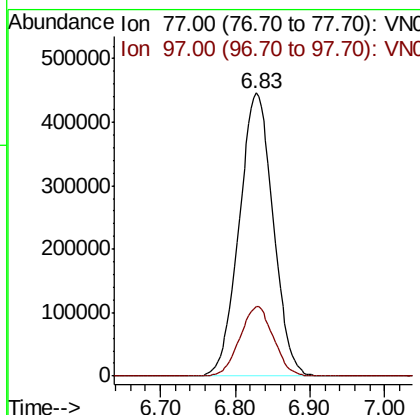
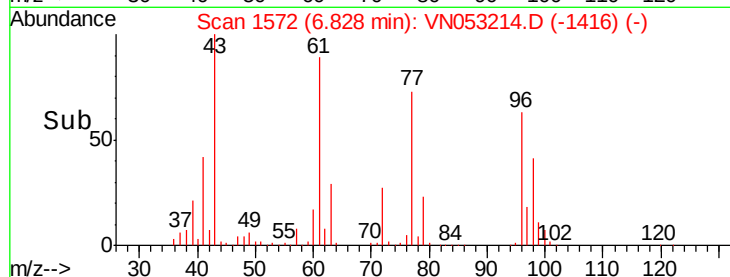
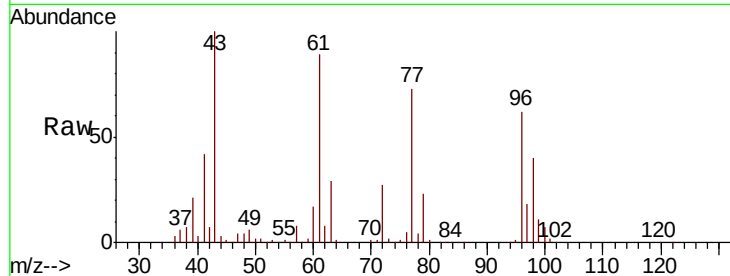
#31
 2,2-Dichloropropane
 Concen: 102.710 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 77 Resp: 1408912
 Ion Ratio Lower Upper
 77 100
 97 24.3 18.7 28.1

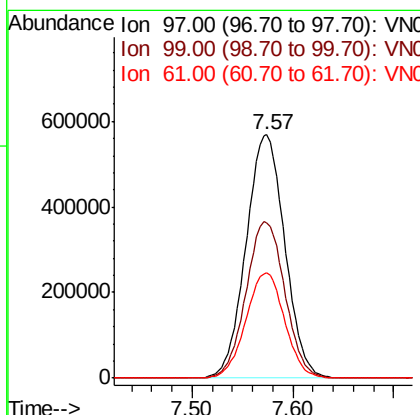
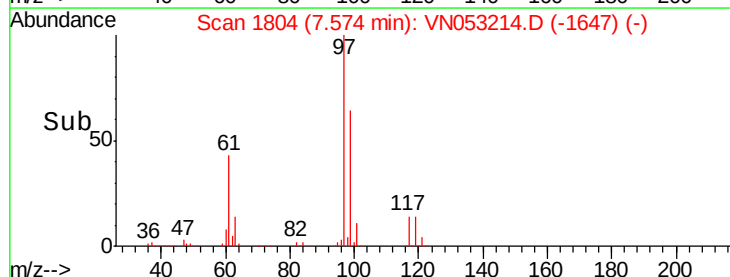
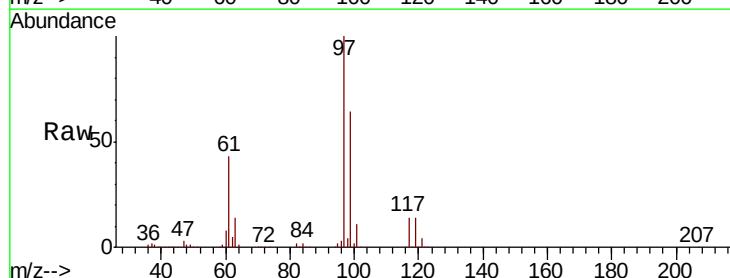
Manual Integrations
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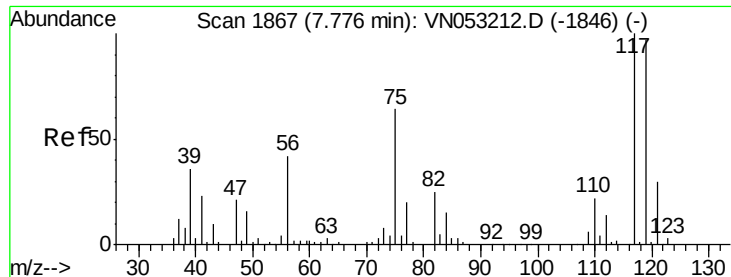
MMDadoda
 1/2/2019 9:48:09 AM



#32
 1,1,1-Trichloroethane
 Concen: 101.774 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Tgt Ion: 97 Resp: 1515514
 Ion Ratio Lower Upper
 97 100
 99 64.6 50.9 76.3
 61 43.3 38.1 57.1





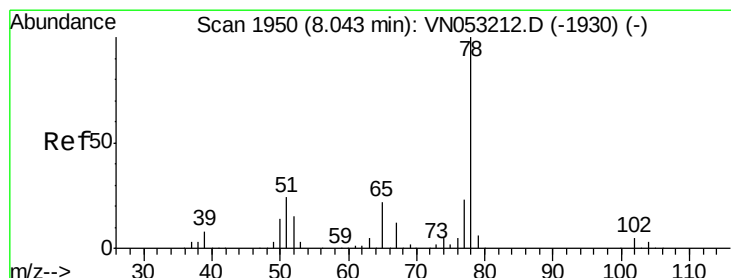
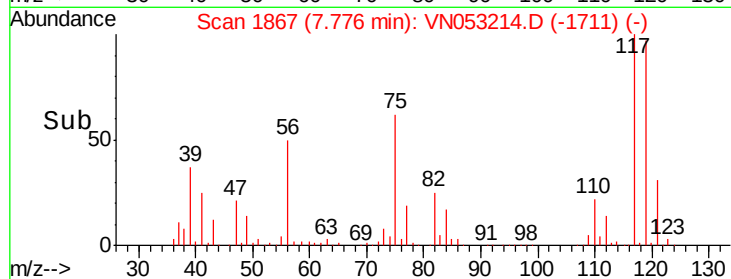
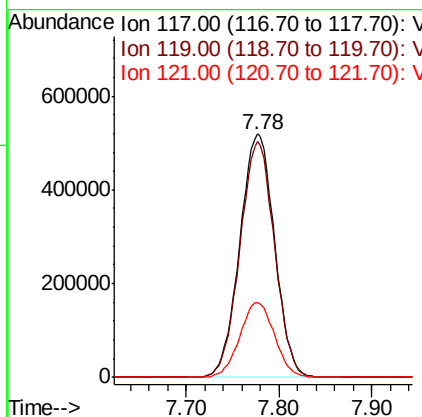
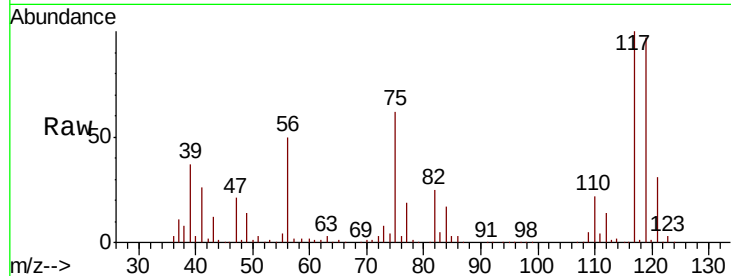
#33
Carbon Tetrachloride
Concen: 104.517 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 1347978
Ion Ratio Lower Upper
117 100
119 96.8 77.3 115.9
121 30.9 24.9 37.3

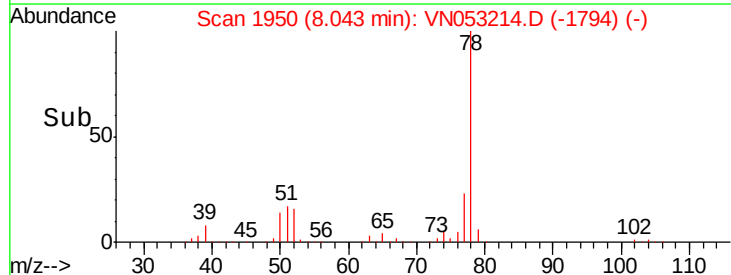
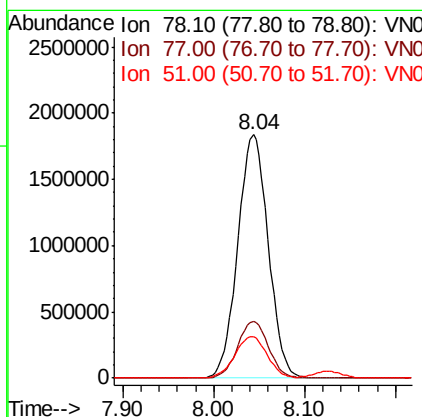
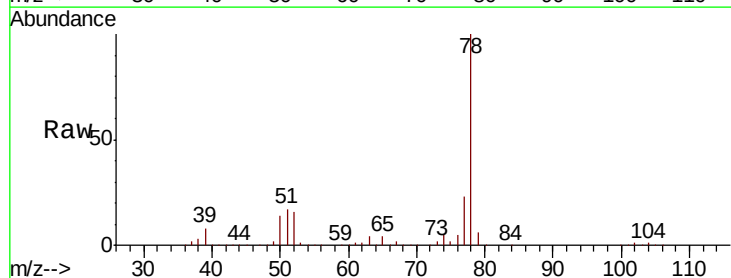
Manual Integrations
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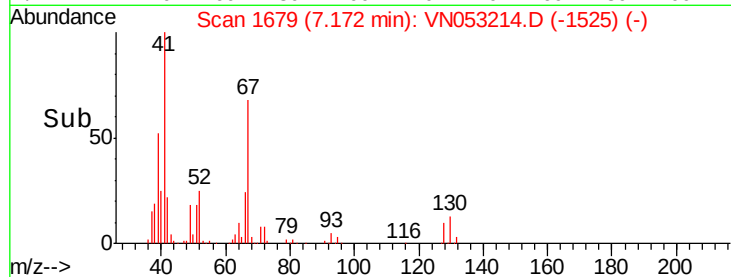
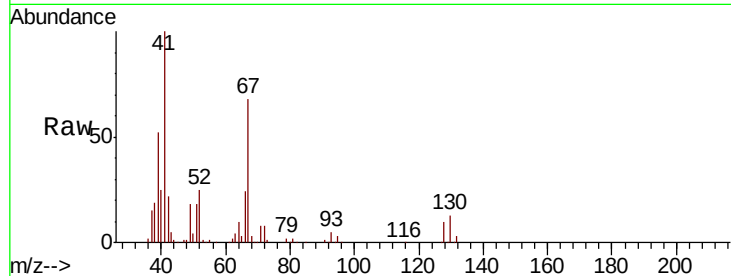
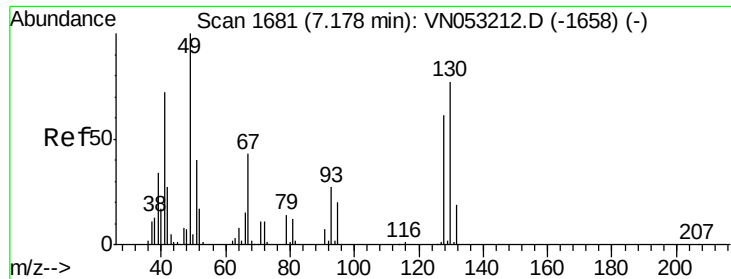
MMDadoda
1/2/2019 9:48:09 AM



#34
Benzene
Concen: 98.964 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tgt Ion: 78 Resp: 4281942
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6
51 17.1 20.5 30.7#





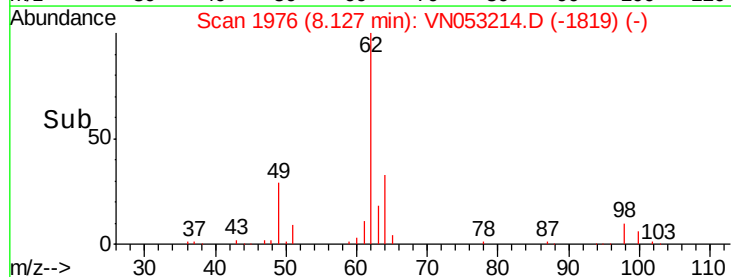
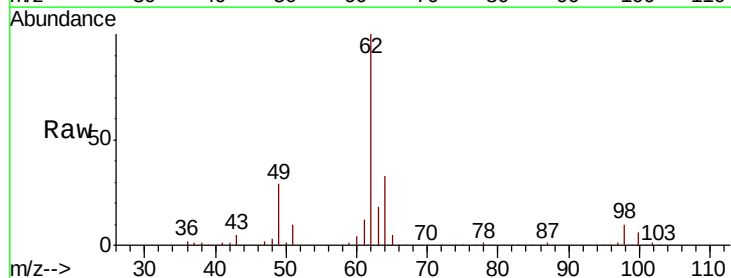
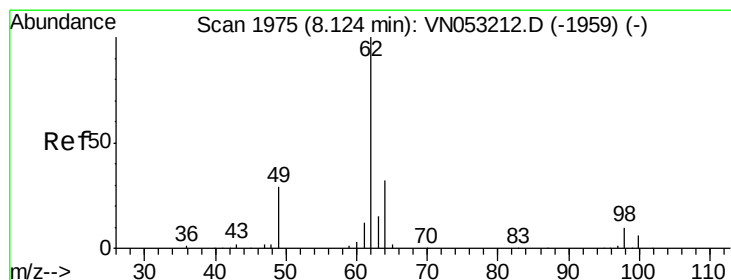
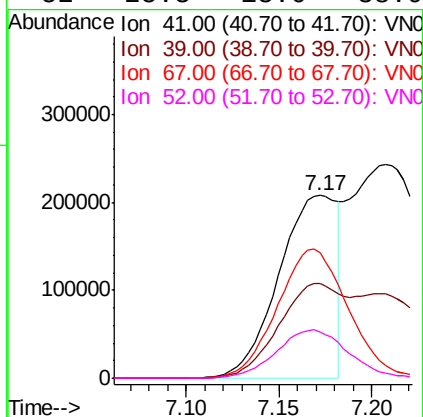
#35
Methacrylonitrile
Concen: 97.137 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tot Ion	41	Resp	452767
Ion Ratio	Lower	Upper	
41	100		
39	51.5	26.6	79.7
67	68.6	32.3	96.9
52	25.3	13.0	38.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

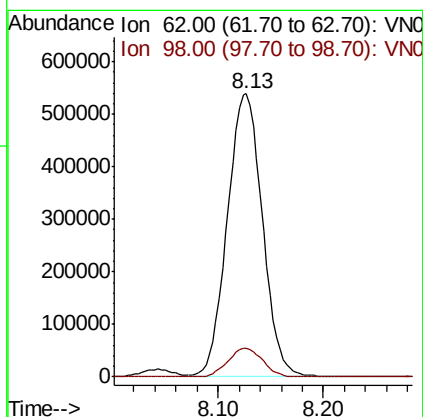
Manual Integrations
APPROVED

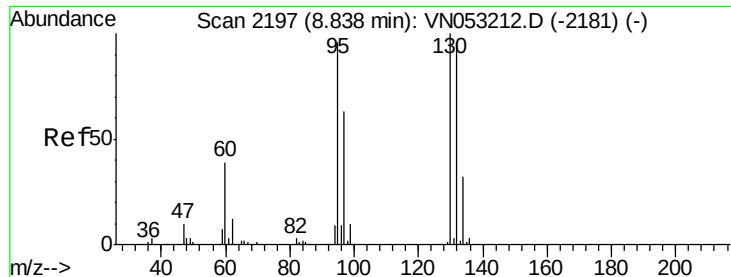
MMDadoda
1/2/2019 9:48:09 AM



#36
1,2-Dichloroethane
Concen: 98.264 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tgt Ion	62	Resp	1240389
Ion Ratio	Lower	Upper	
62	100		
98	10.0	7.4	11.2





#37

Trichloroethene

Concen: 100.139 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:130 Resp: 1169040

Ion Ratio Lower Upper

130 100

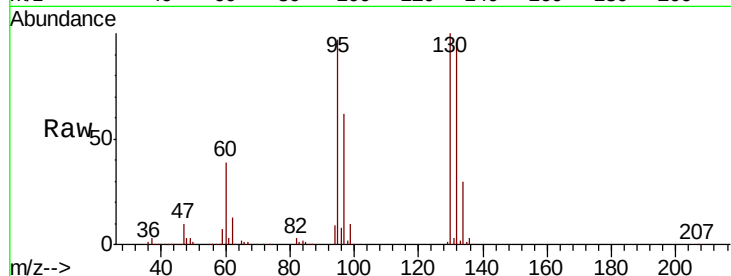
95 96.6 81.0 121.4

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VNO

8.83

600000

500000

400000

300000

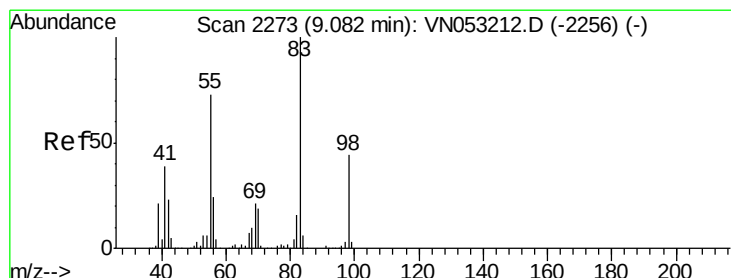
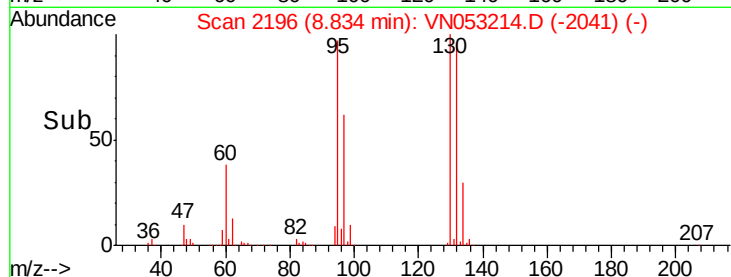
200000

100000

0

8.80 8.90

Time-->



#38

Methylcyclohexane

Concen: 101.849 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

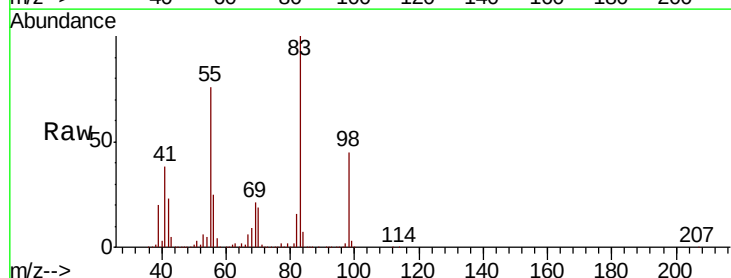
Tgt Ion: 83 Resp: 1692572

Ion Ratio Lower Upper

83 100

55 75.3 39.8 119.4

98 45.8 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

9.08

1000000

800000

600000

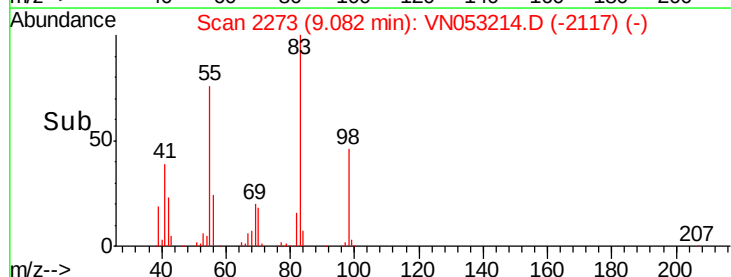
400000

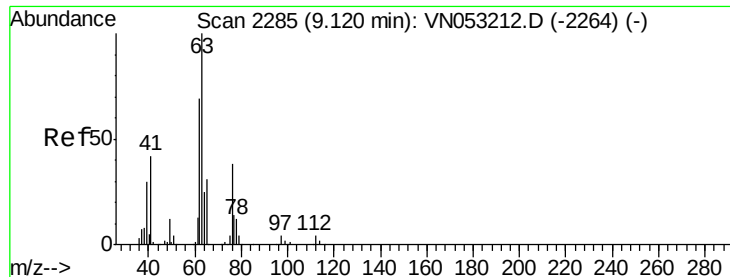
200000

0

9.00 9.10 9.20

Time-->





#39

1,2-Dichloropropane

Concen: 100.068 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1124480

Ion Ratio Lower Upper

63 100

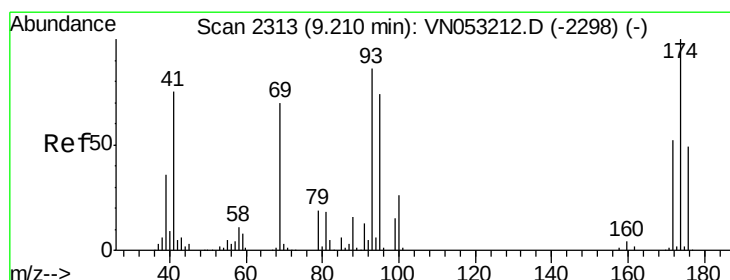
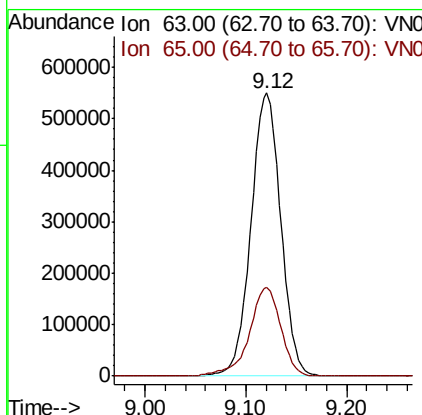
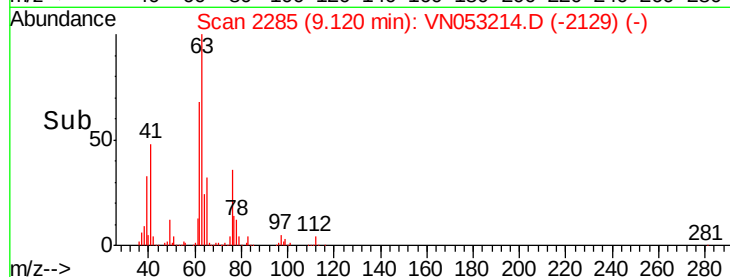
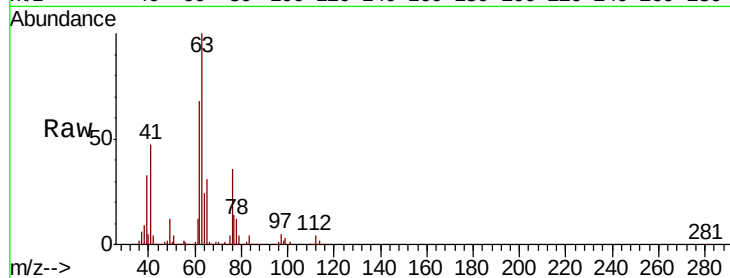
65 31.2 23.6 35.4

Manual Integrations

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MMDadoda

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#40

Dibromomethane

Concen: 100.301 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

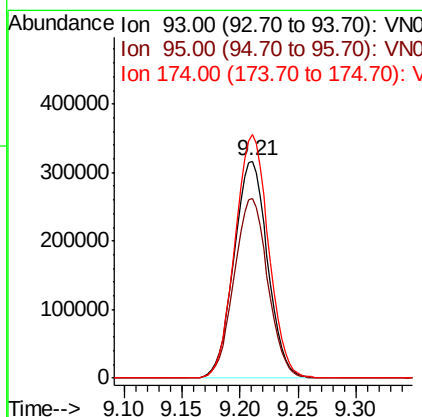
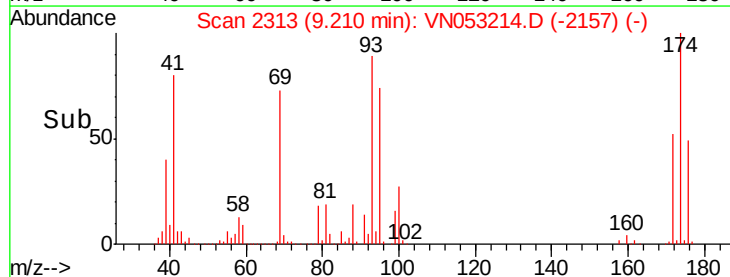
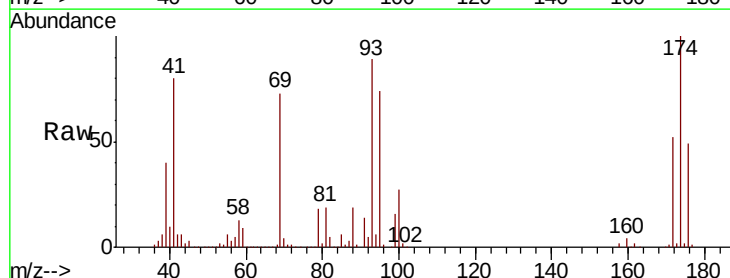
Tgt Ion: 93 Resp: 638673

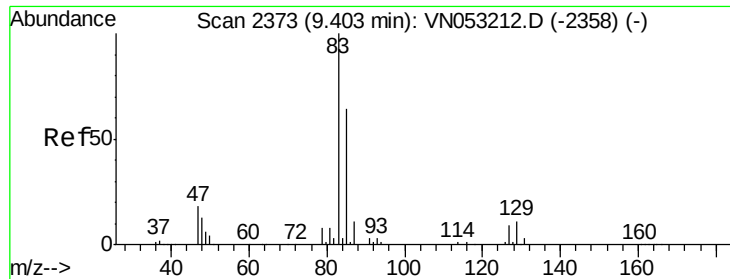
Ion Ratio Lower Upper

93 100

95 83.3 0.0 168.4

174 112.4 0.0 210.0





#41

Bromodichloromethane

Concen: 101.460 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 83 Resp: 1378944

Ion Ratio Lower Upper

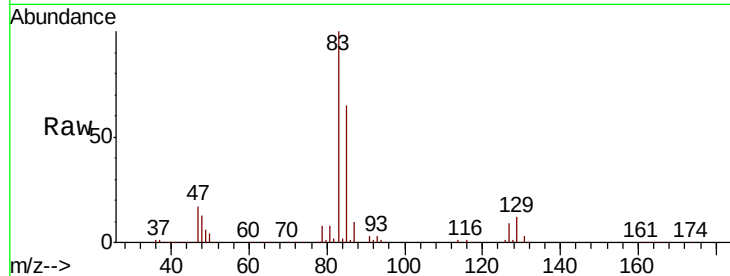
83 100

85 64.7 52.4 78.6

127 9.1 6.6 9.8

Manual Integrations
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MMDadoda
1/2/2019 9:48:09 AM



Abundance Ion 83.00 (82.70 to 83.70): VN053212.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN053212.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN053212.D (-2358) (-)

9.40

800000

600000

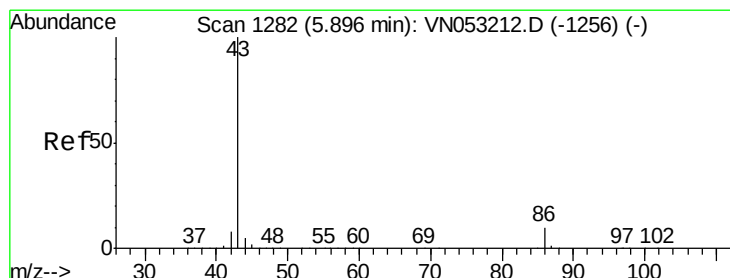
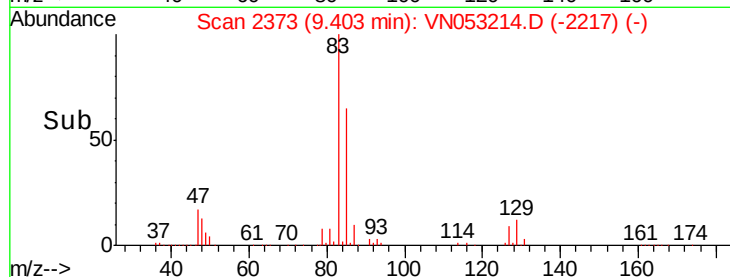
400000

200000

0

9.30 9.40 9.50

Time-->



#42

Vinyl Acetate

Concen: 527.873 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053214.D

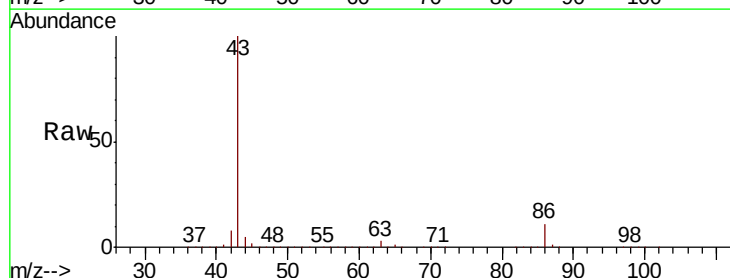
Acq: 28 Dec 2018 9:48

Tgt Ion: 43 Resp: 10077848

Ion Ratio Lower Upper

43 100

86 9.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN053212.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN053212.D (-1256) (-)

5.90

3000000

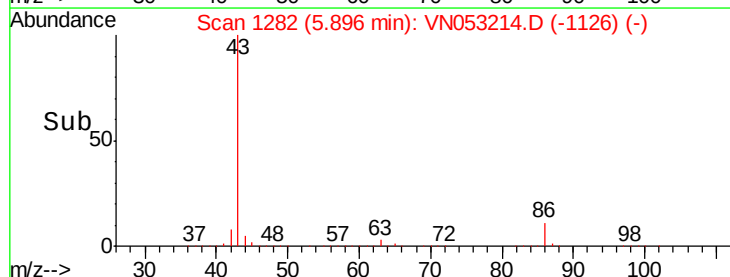
2000000

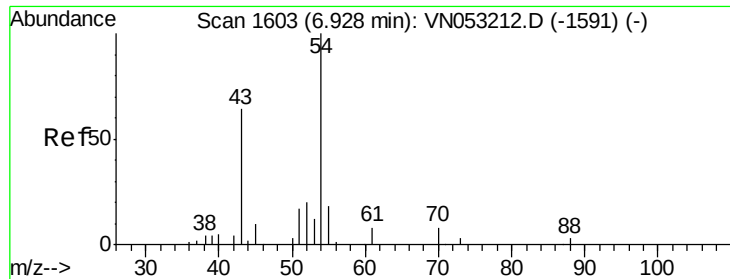
1000000

0

5.80 6.00

Time-->





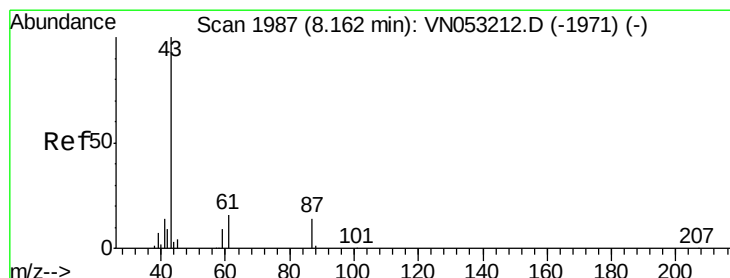
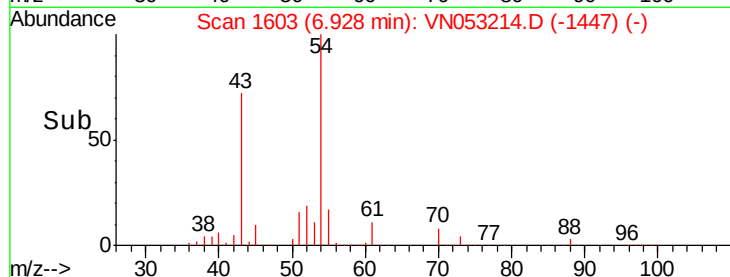
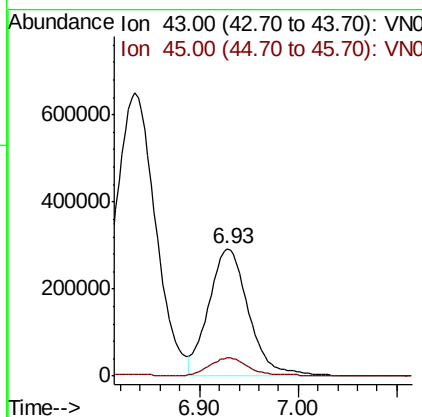
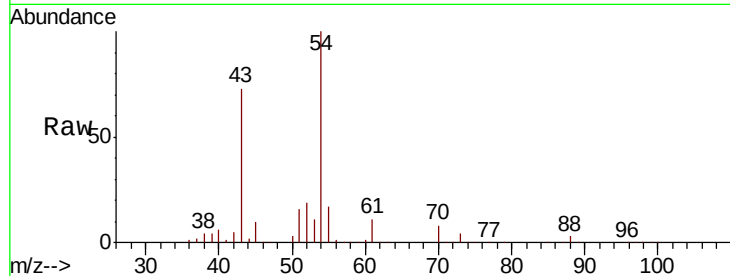
#43
Ethyl Acetate
Concen: 104.023 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 815876
Ion Ratio Lower Upper
43 100
45 15.1 1.0 1.6#

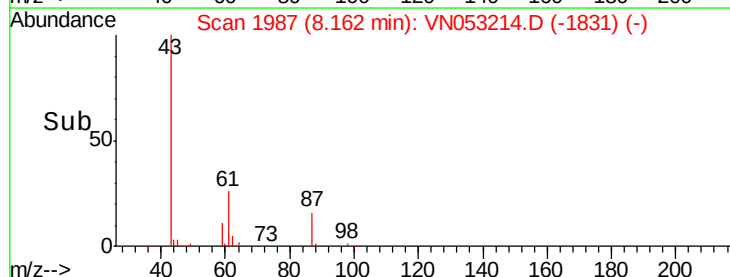
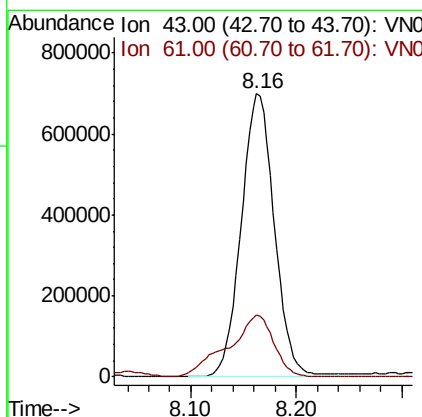
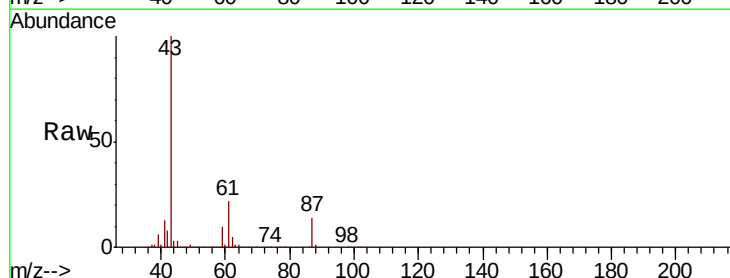
Manual Integrations
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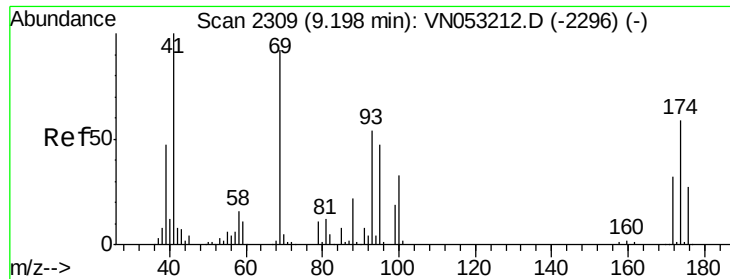
MMDadoda
1/2/2019 9:48:09 AM



#44
Isopropyl Acetate
Concen: 104.780 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tgt Ion: 43 Resp: 1528902
Ion Ratio Lower Upper
43 100
61 29.9 16.0 24.0#





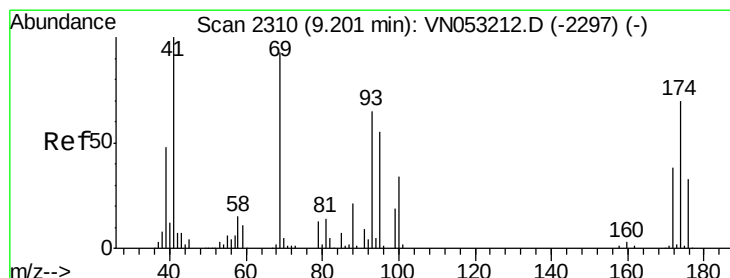
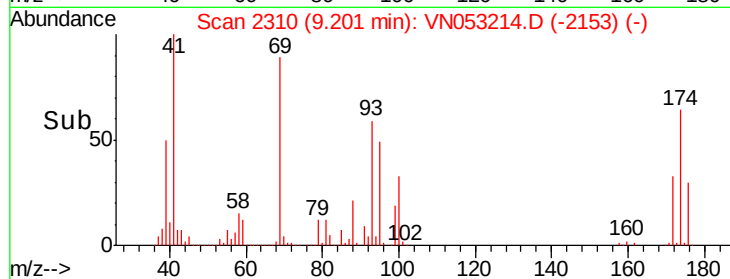
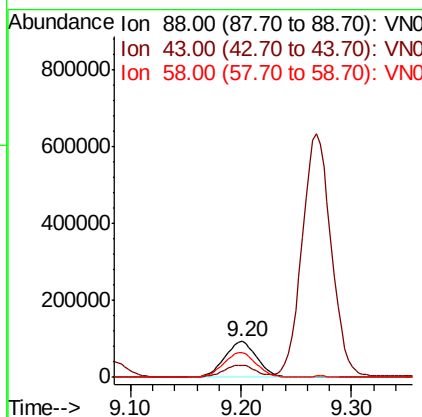
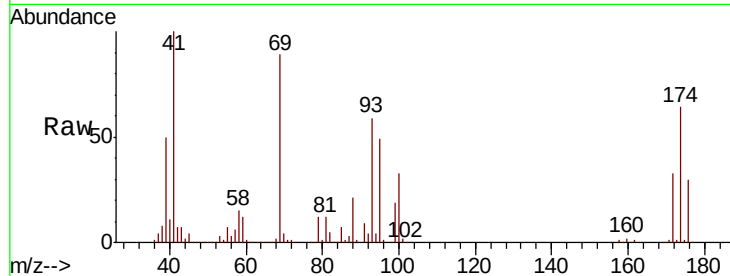
#45
1,4-Dioxane
Concen: 2164.177 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	191313		
43	32.1	29.5	44.3	
58	70.1	61.5	92.3	

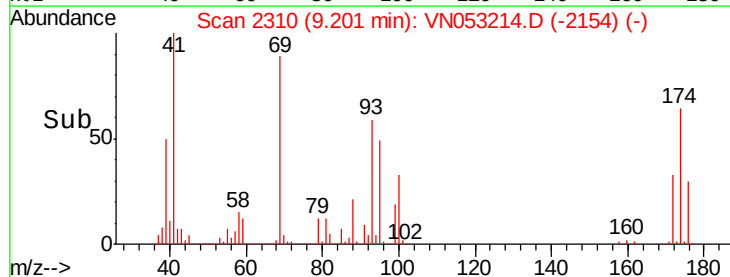
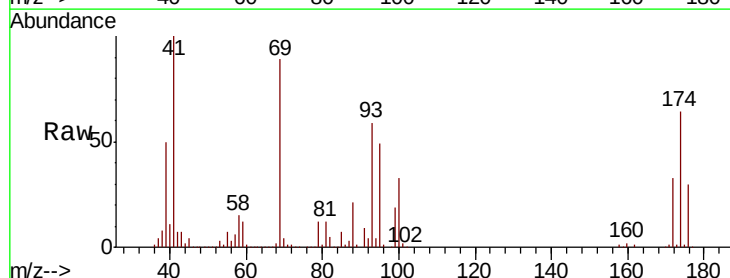
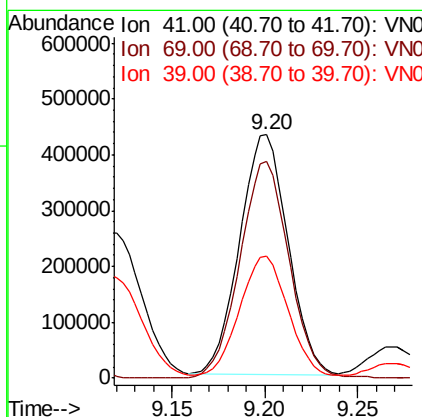
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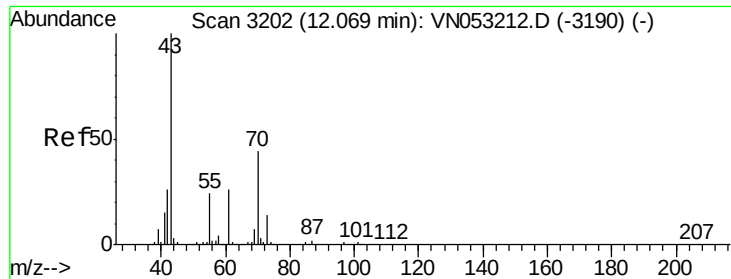
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#46
Methyl methacrylate
Concen: 106.340 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	777197		
69	90.4	42.5	127.6	
39	49.9	26.3	78.9	





#47

n-amyl Acetate

Concen: 111.293 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1387558

Ion Ratio Lower Upper

43 100

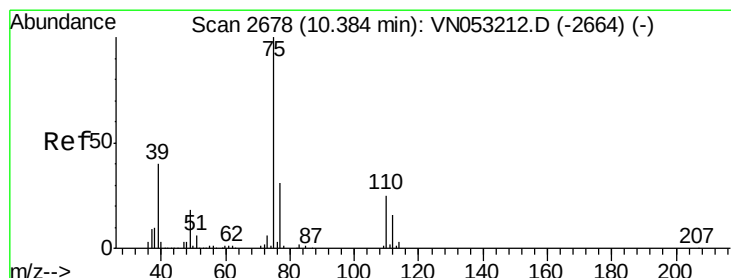
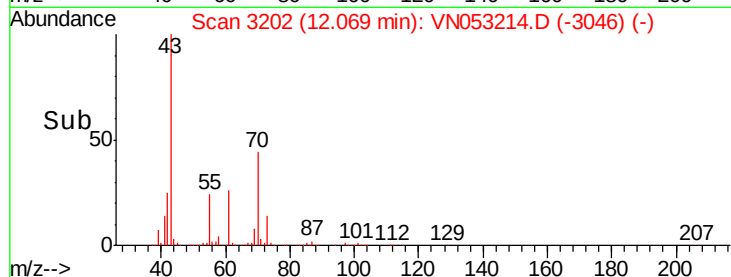
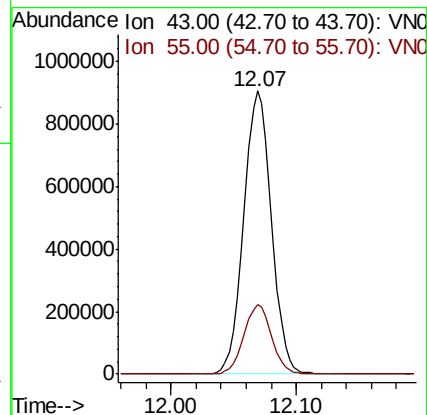
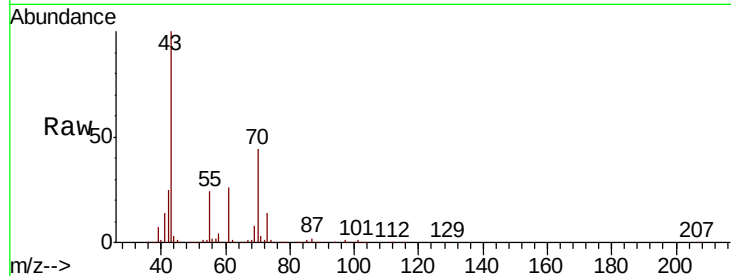
55 24.7 21.1 31.7

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#48

t-1,3-Dichloropropene

Concen: 108.206 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053214.D

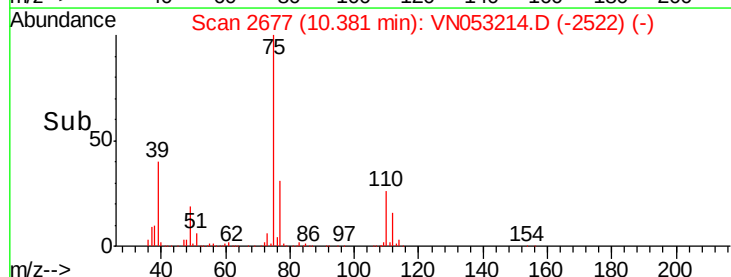
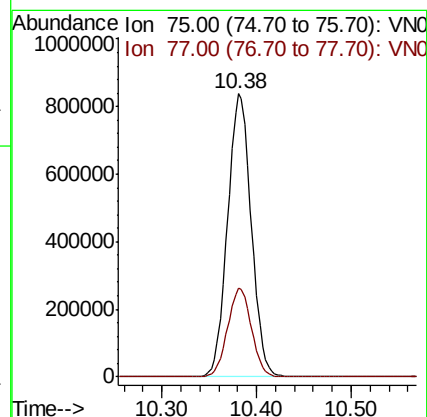
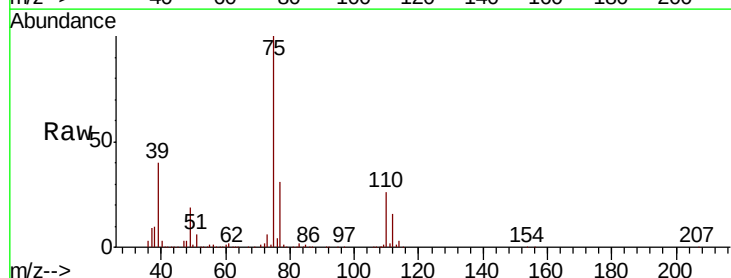
Acq: 28 Dec 2018 9:48

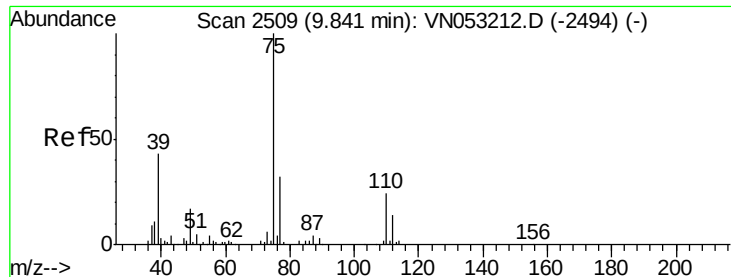
Tgt Ion: 75 Resp: 1455188

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4





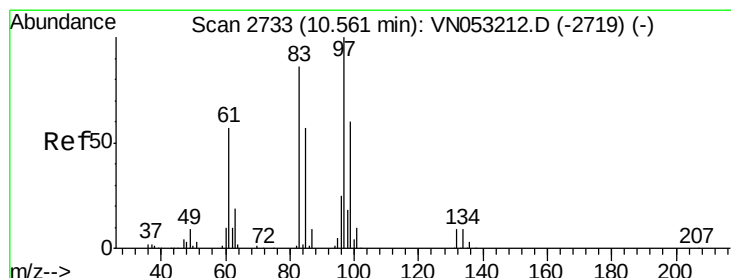
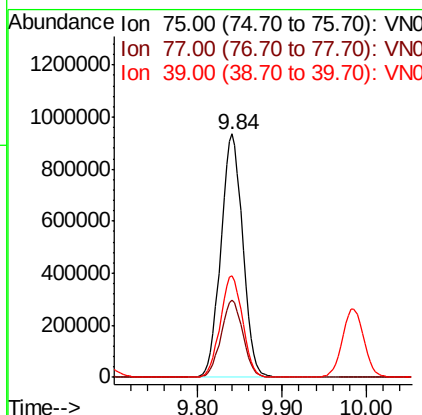
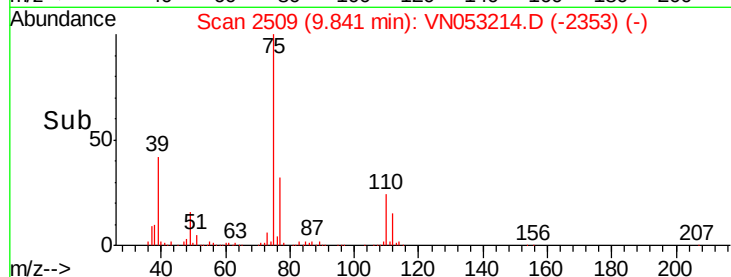
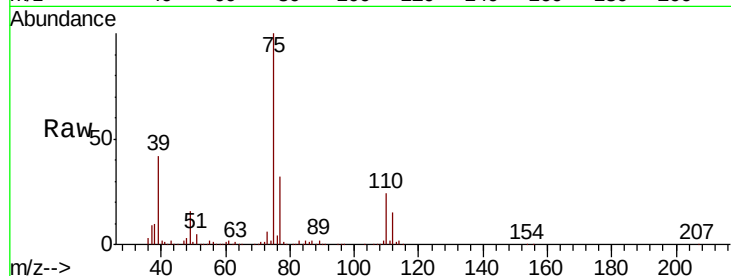
#49
 cis-1,3-Dichloropropene
 Concen: 104.390 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	41.9	37.3	55.9

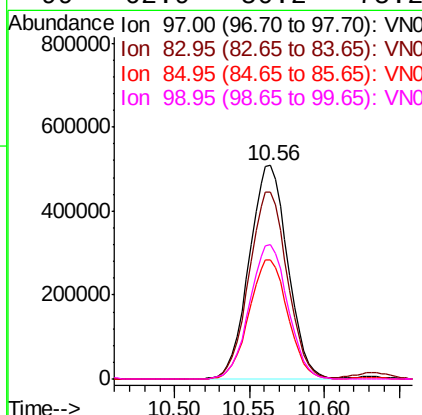
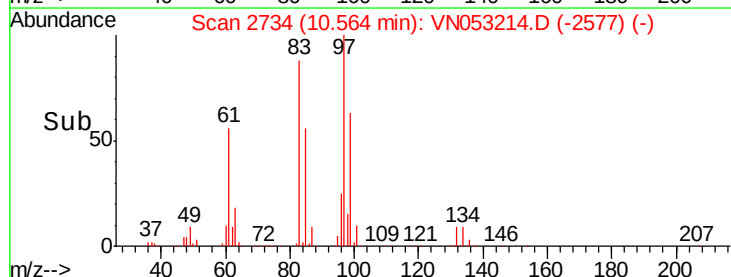
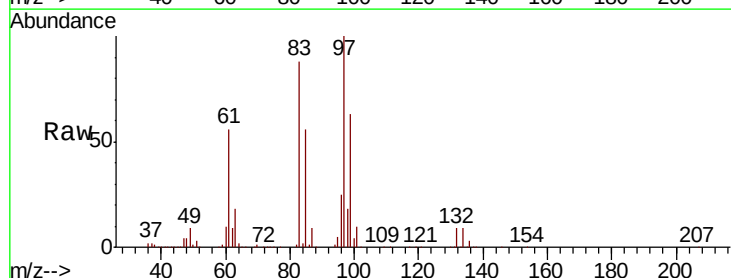
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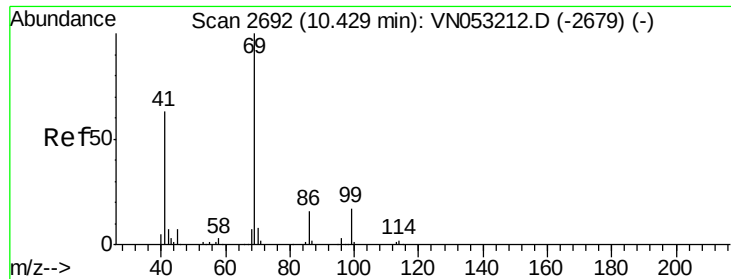
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#50
 1,1,2-Trichloroethane
 Concen: 99.555 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.4	105.6
85	55.9	45.0	67.6
99	62.9	50.2	75.2





#51

Ethyl methacrylate

Concen: 108.773 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 69 Resp: 1246683

Ion Ratio Lower Upper

69 100

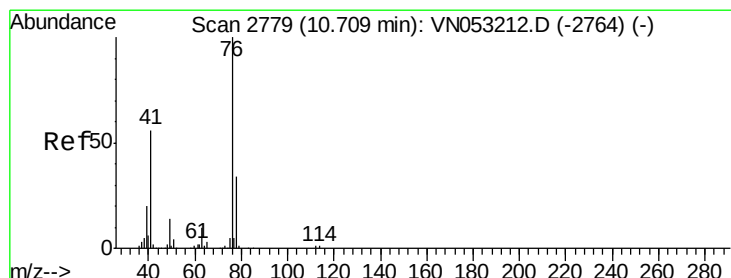
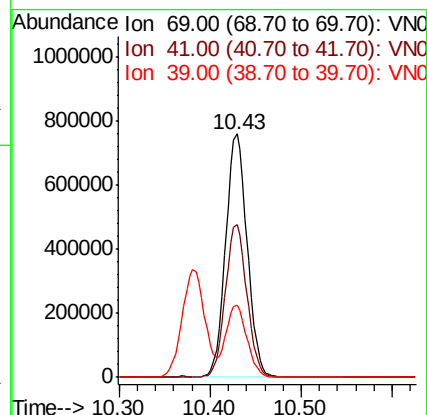
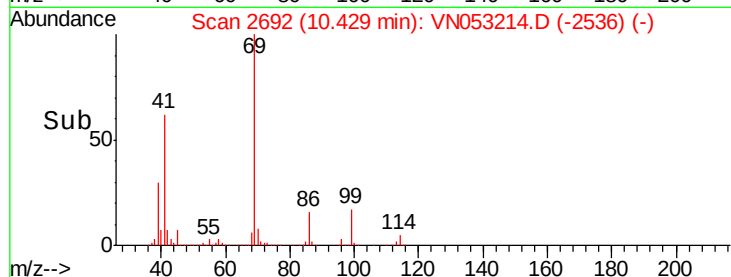
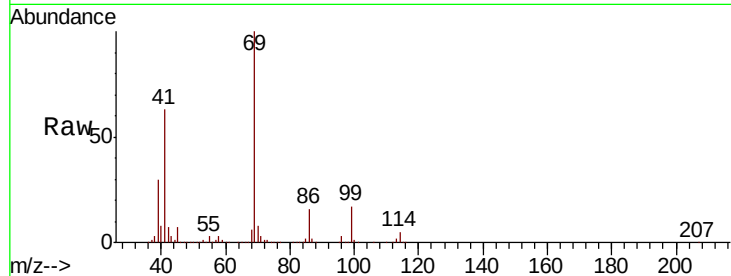
41 62.5 34.4 103.3

39 29.6 16.4 49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 101.188 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053214.D

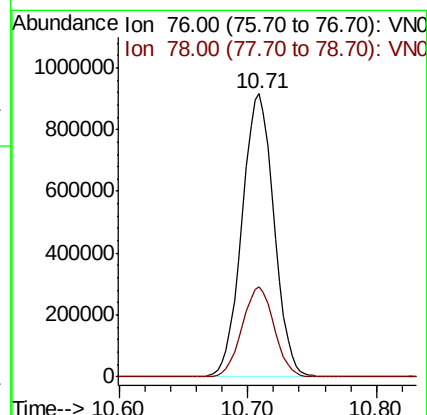
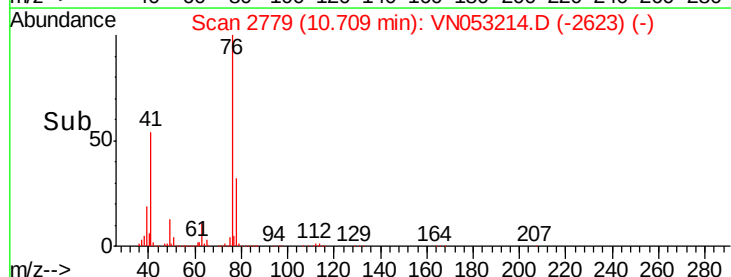
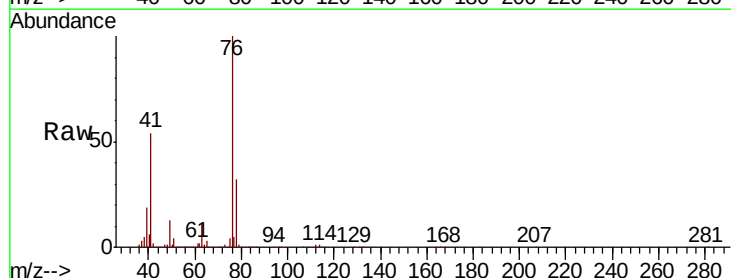
Acq: 28 Dec 2018 9:48

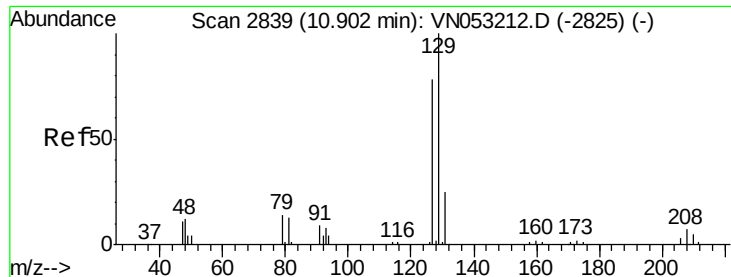
Tgt Ion: 76 Resp: 1584372

Ion Ratio Lower Upper

76 100

78 31.9 0.0 64.8





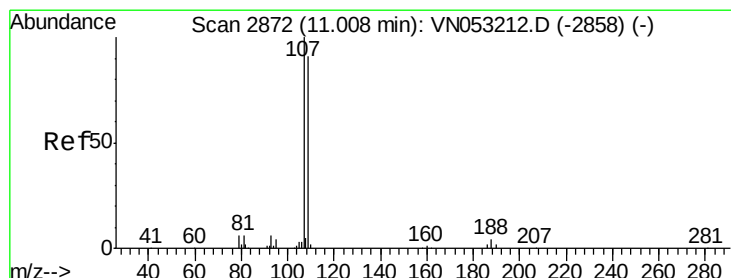
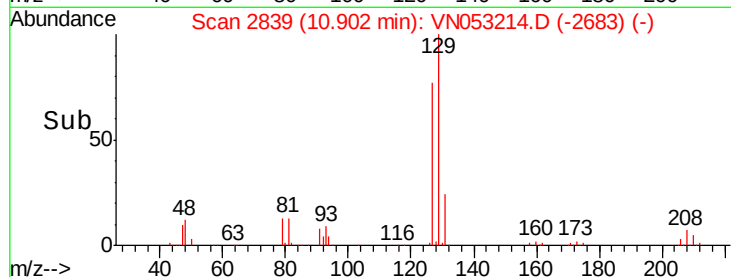
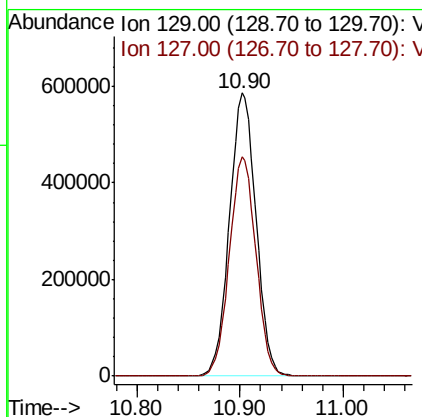
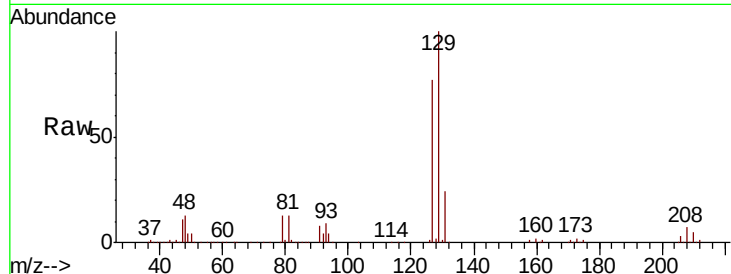
#53
 Dibromochloromethane
 Concen: 105.082 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:129 Resp: 1053228
 Ion Ratio Lower Upper
 129 100
 127 77.4 37.6 112.8

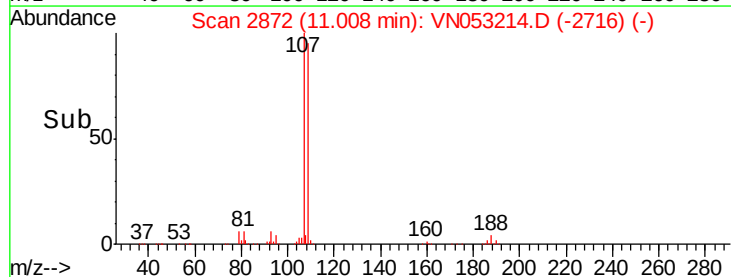
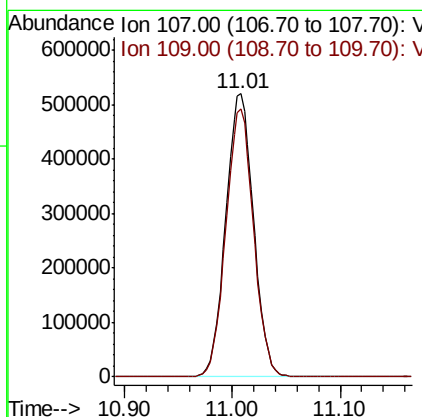
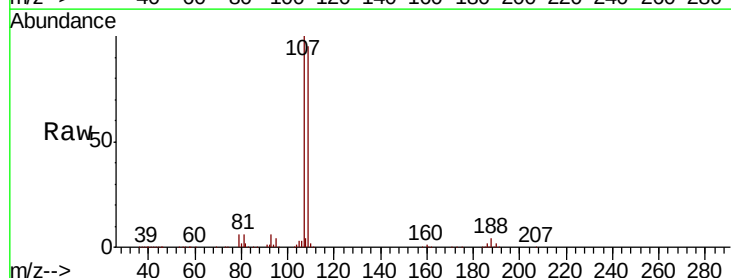
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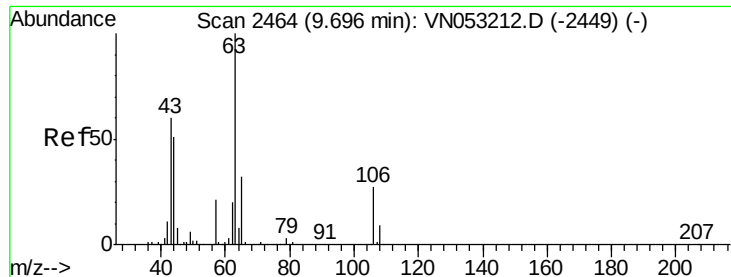
MMDadoda
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#54
 1,2-Dibromoethane
 Concen: 102.639 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Tgt Ion:107 Resp: 931874
 Ion Ratio Lower Upper
 107 100
 109 94.5 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 528.638 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 63 Resp: 3523405

Ion Ratio Lower Upper

63 100

65 32.1 25.4 38.2

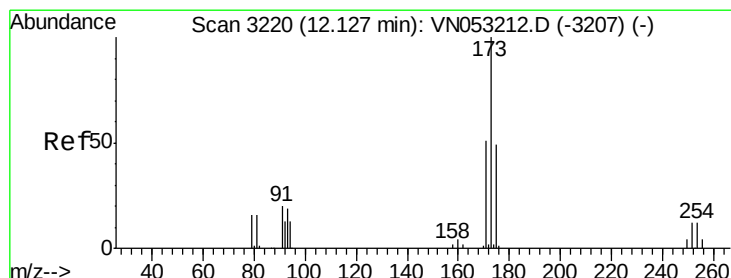
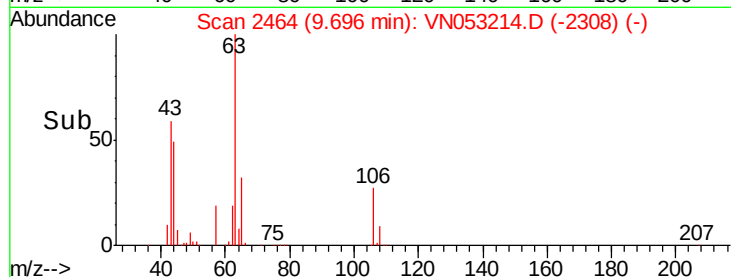
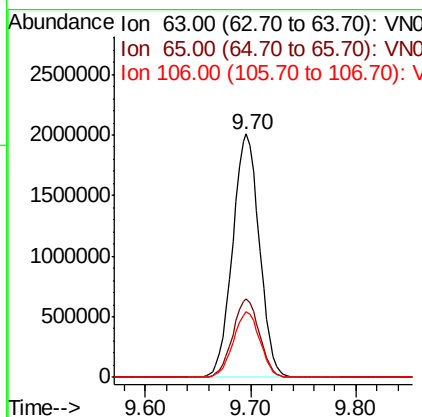
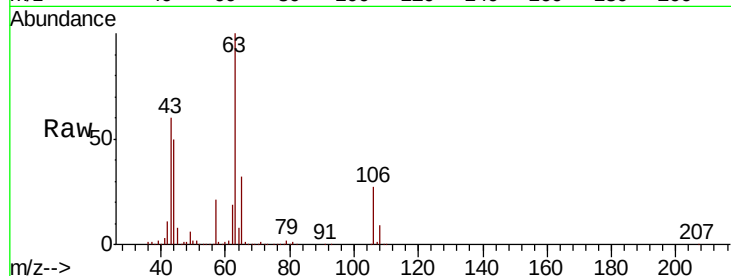
106 26.8 20.4 30.6

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#56

Bromoform

Concen: 108.853 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

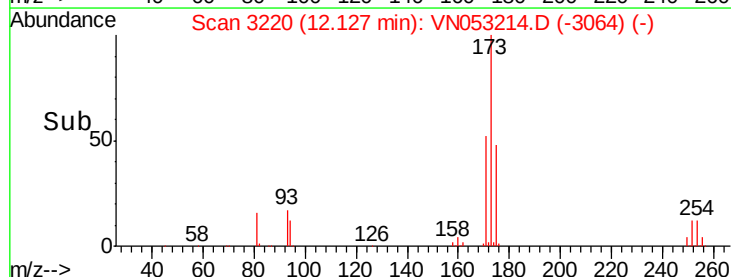
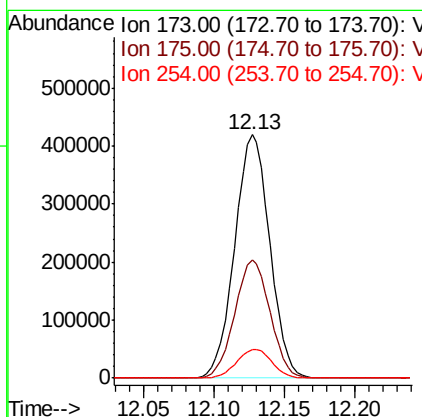
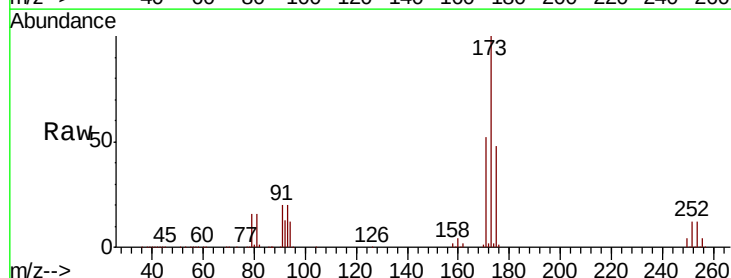
Tgt Ion: 173 Resp: 731006

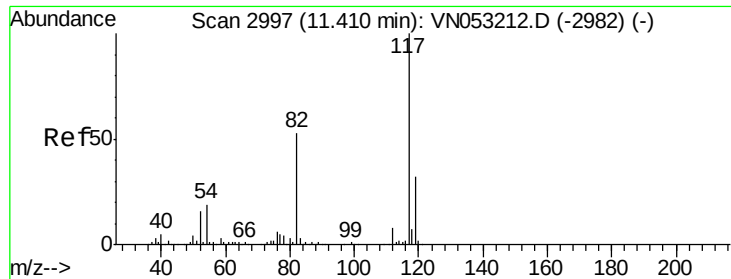
Ion Ratio Lower Upper

173 100

175 48.7 38.7 58.1

254 11.9 8.4 12.6





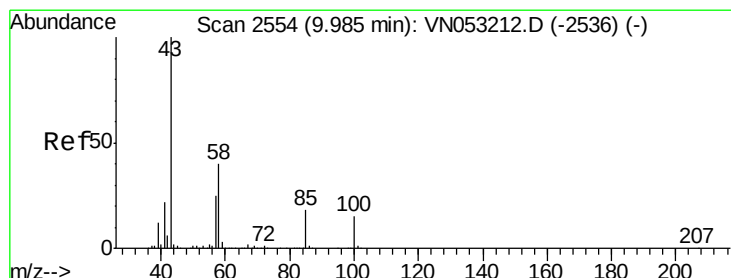
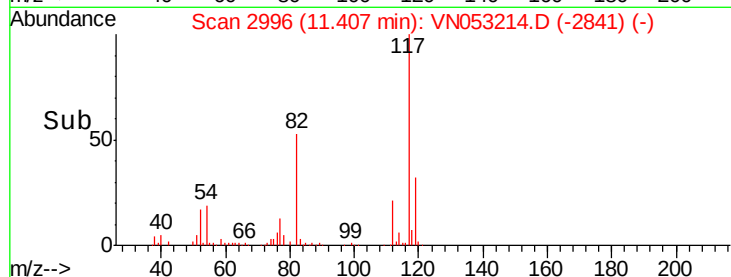
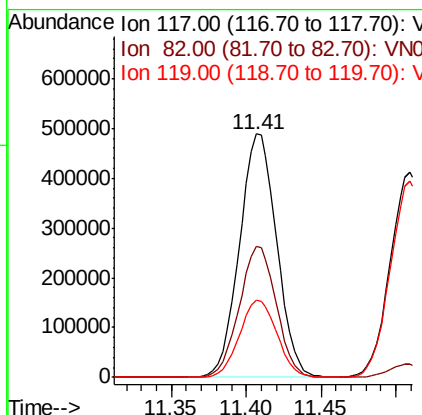
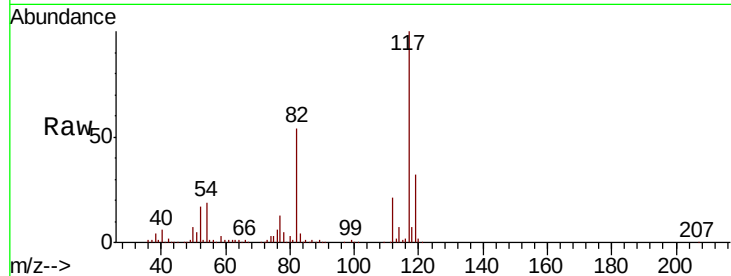
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	44.2	66.2
119	31.8	25.4	38.2

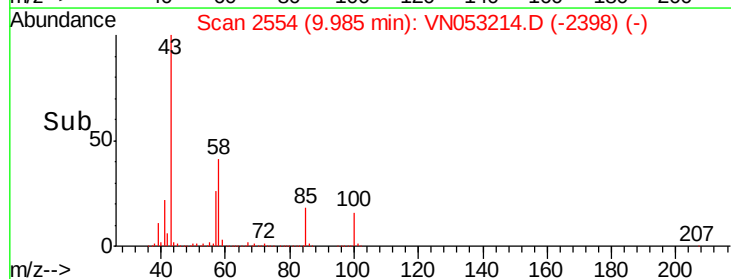
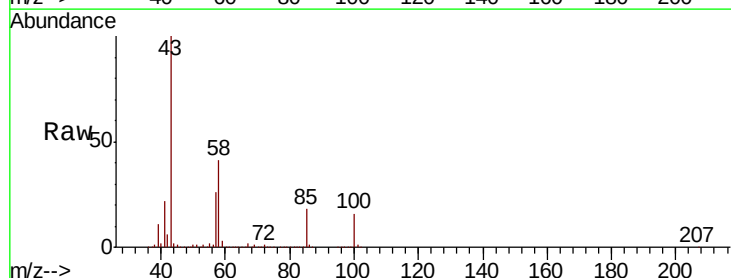
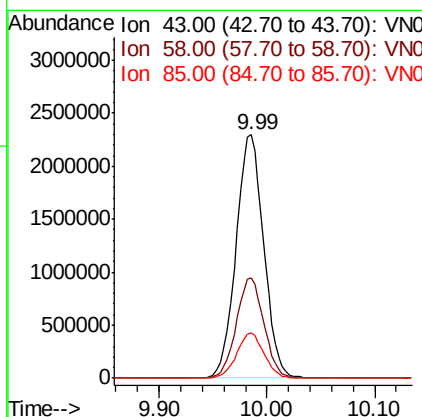
Manual Integrations
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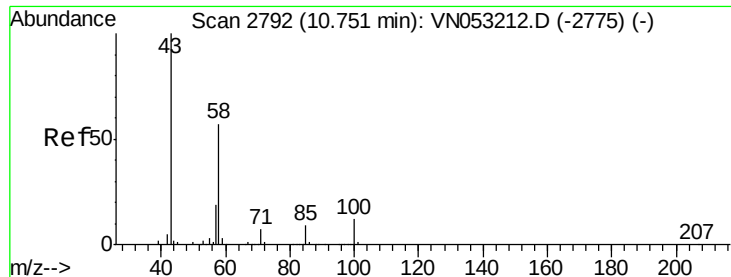
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 508.136 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.0	31.6	47.4
85	18.2	13.3	19.9





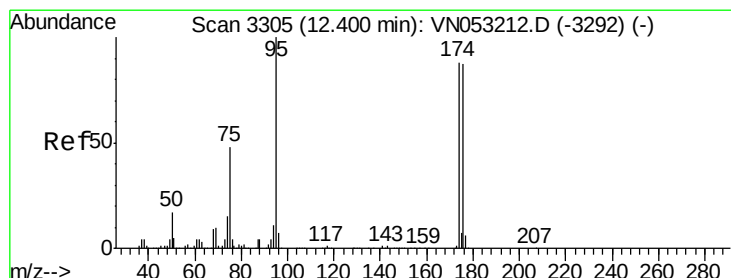
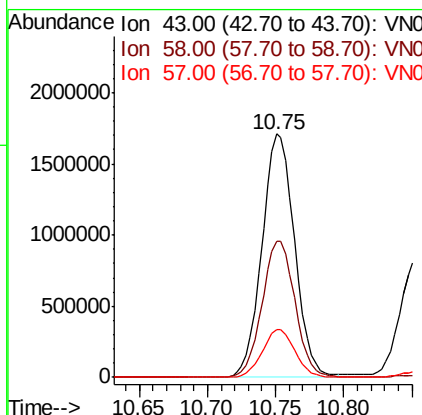
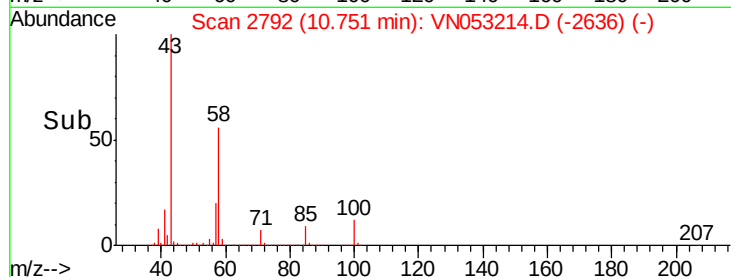
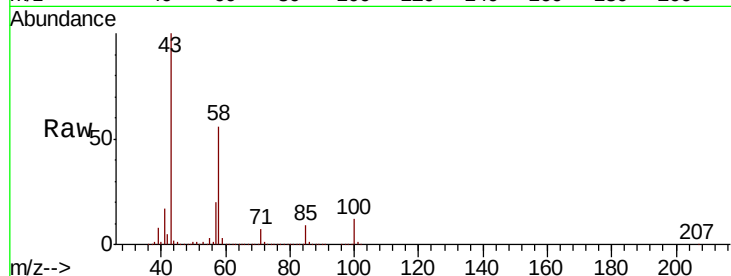
#59
2-Hexanone
Concen: 508.793 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.8	43.2	64.8
57	19.6	14.9	22.3

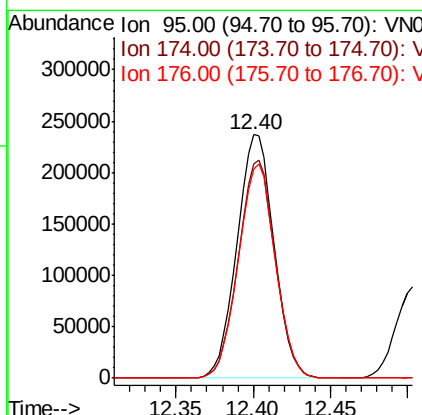
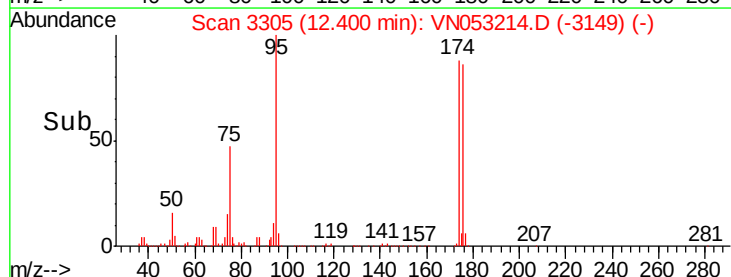
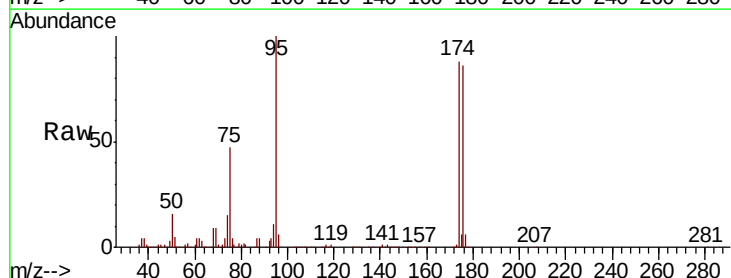
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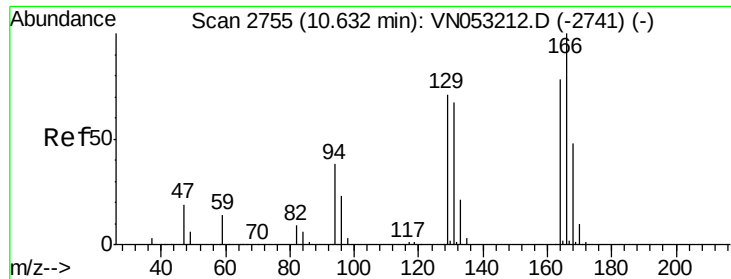
MMDadoda
1/2/2019 9:48:09 AM



#60
4-Bromofluorobenzene
Concen: 508.793 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	67.9	101.9
176	87.6	66.4	99.6





#61

Tetrachloroethene

Concen: 94.280 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 1217482

Ion Ratio Lower Upper

164 100

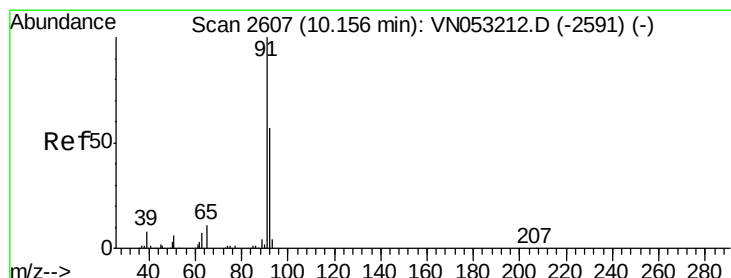
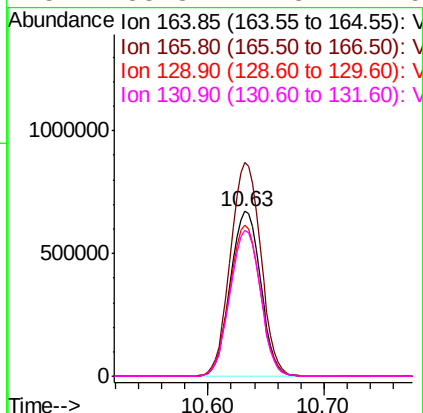
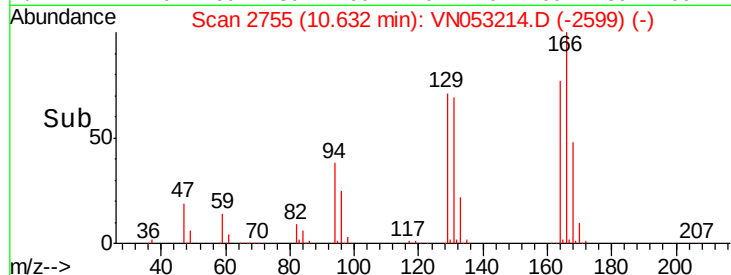
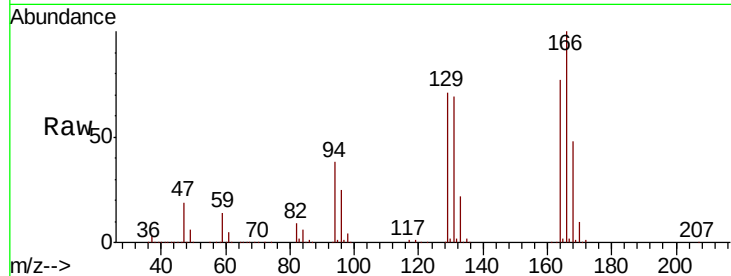
166 129.4 104.6 157.0

129 91.4 75.3 112.9

131 88.8 74.3 111.5

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#62

Toluene

Concen: 97.517 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053214.D

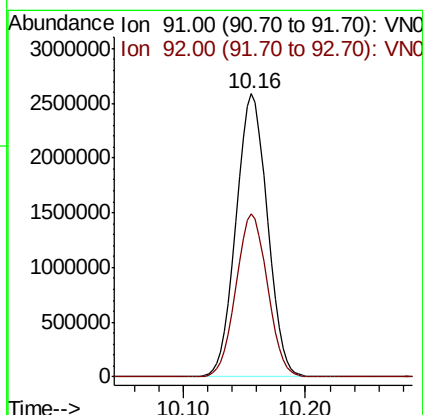
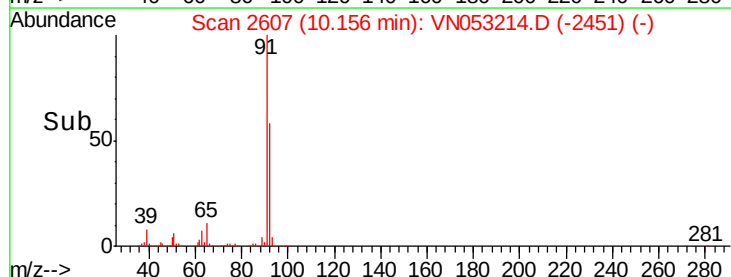
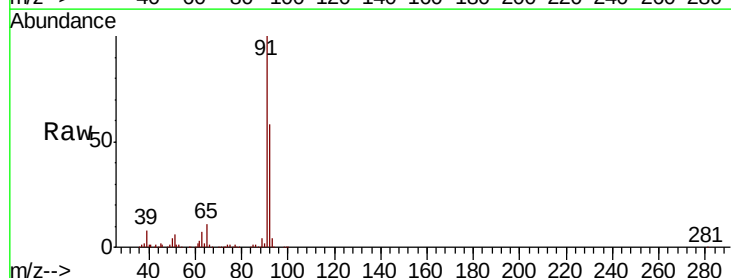
Acq: 28 Dec 2018 9:48

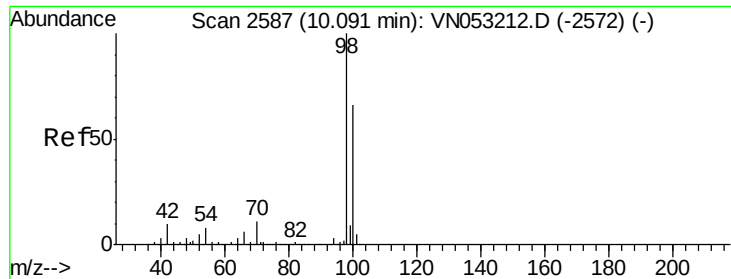
Tgt Ion: 91 Resp: 4601932

Ion Ratio Lower Upper

91 100

92 57.8 45.4 68.2





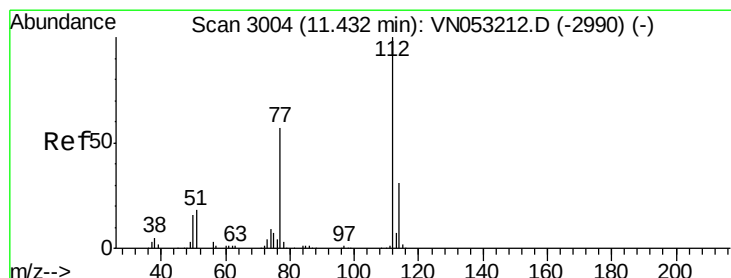
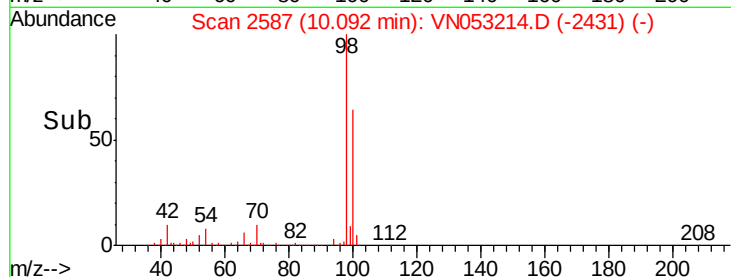
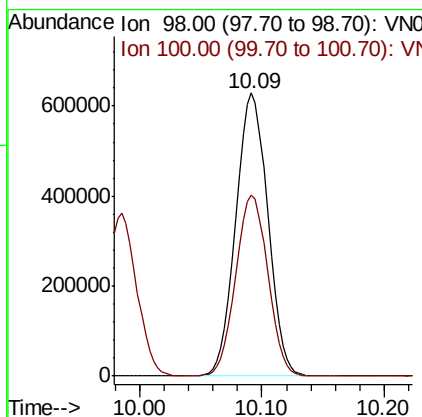
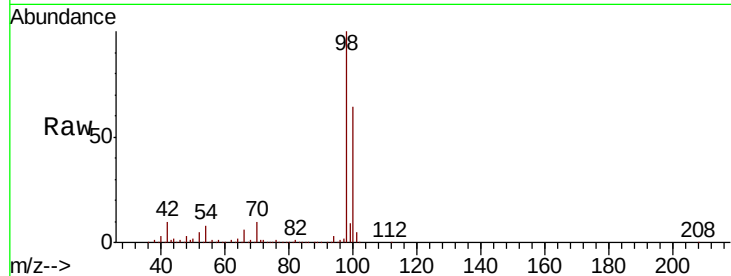
#63
Toluene-d8
Concen: 97.517 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 98 Resp: 1142031
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7

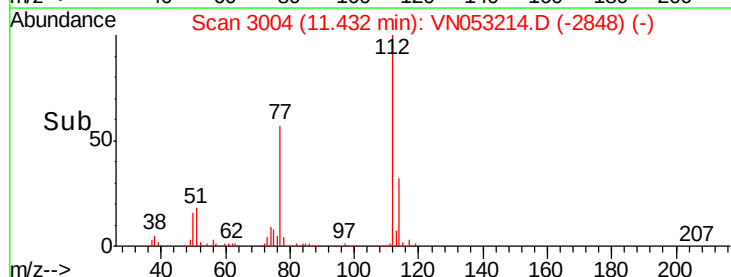
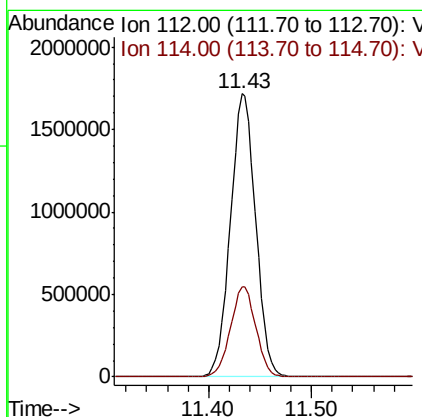
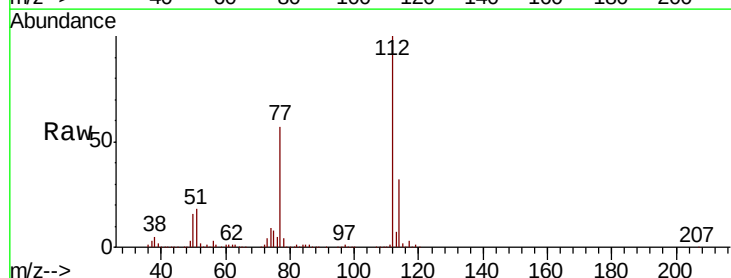
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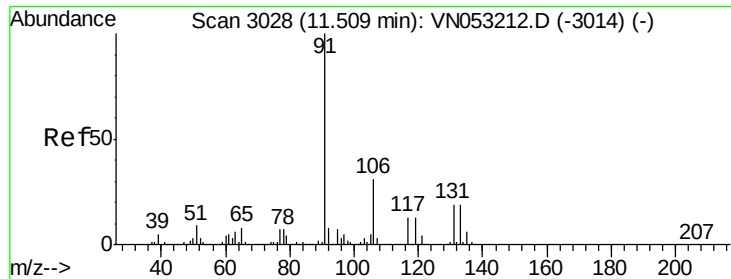
MMDadoda
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#64
Chlorobenzene
Concen: 99.881 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tgt Ion: 112 Resp: 2924991
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 100.786 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Instrument :

MSVOA_N

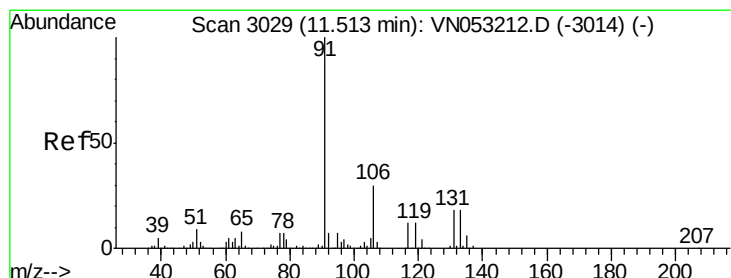
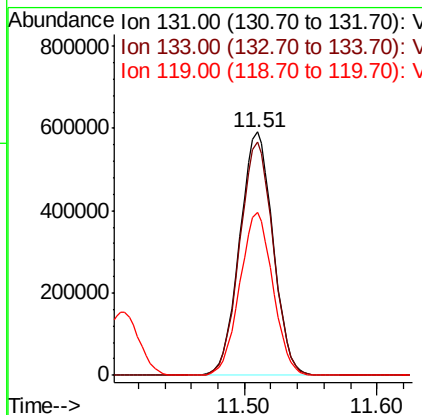
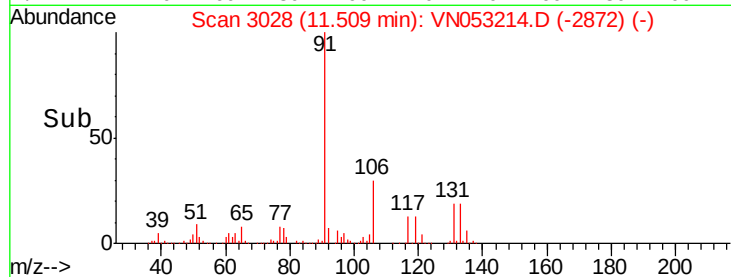
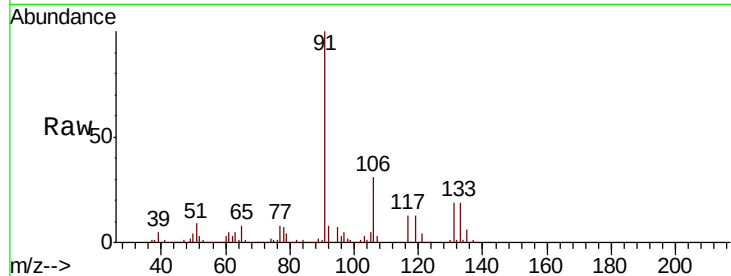
ClientSampleId :

VSTDIC100

Tot Ion:	131	Resp:	1030236
Ion	Ratio	Lower	Upper
131	100		
133	96.3	0.0	193.4
119	66.4	0.0	133.0

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#66

Ethyl Benzene

Concen: 101.223 ug/l

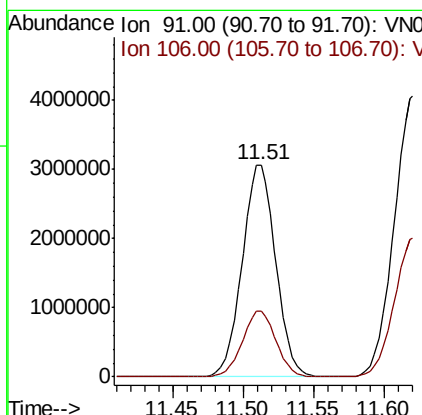
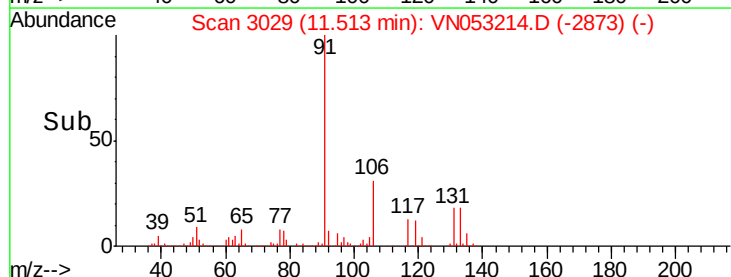
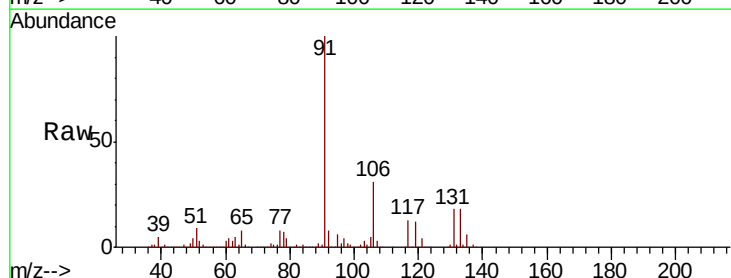
RT: 11.51 min Scan# 3029

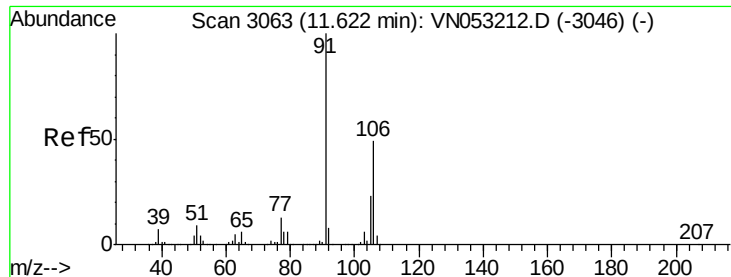
Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Tgt Ion:	91	Resp:	5093531
Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.3	36.5





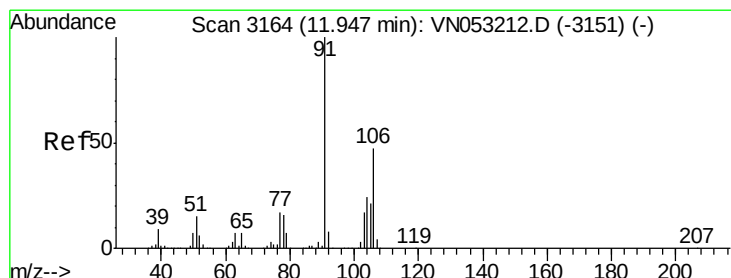
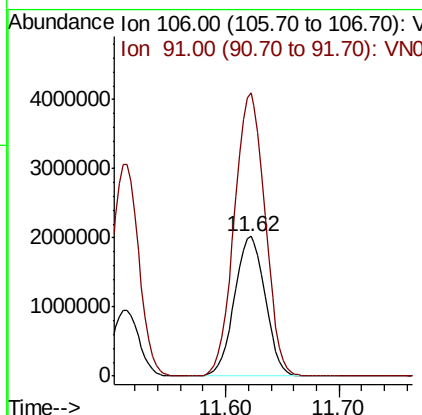
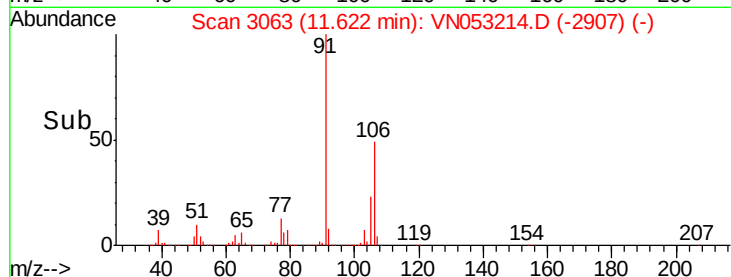
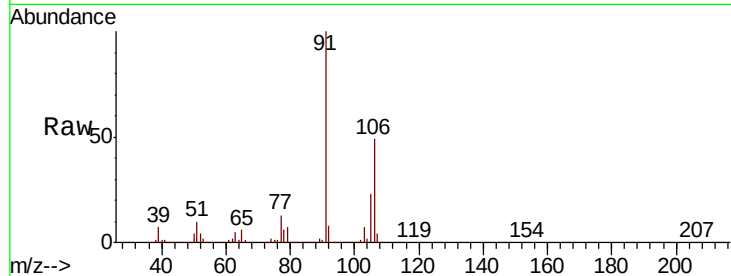
#67
m/p-Xylenes
Concen: 200.370 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 3825177
Ion Ratio Lower Upper
106 100
91 202.9 163.9 245.9

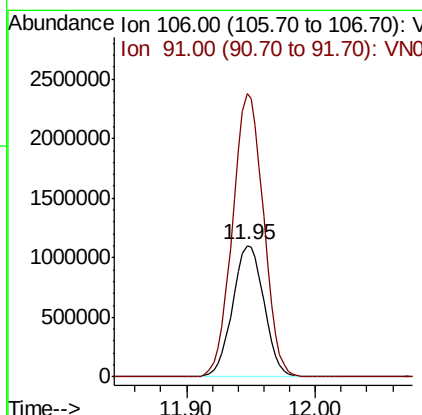
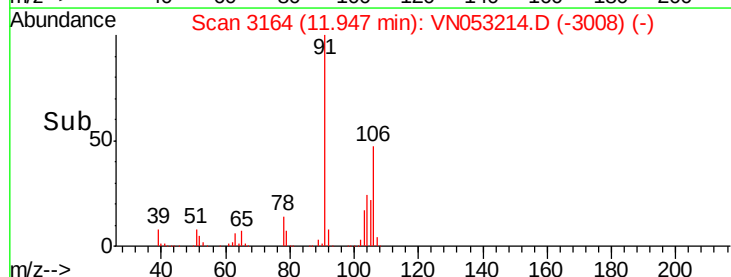
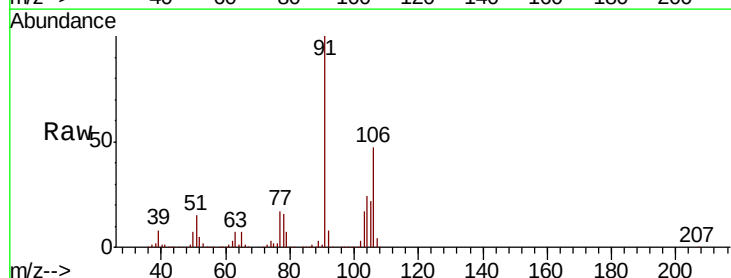
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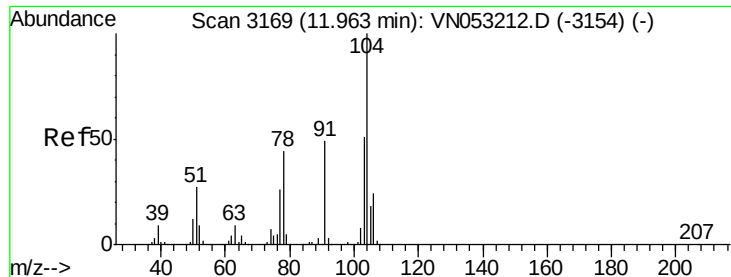
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#68
o-Xylene
Concen: 100.955 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tgt Ion:106 Resp: 1860817
Ion Ratio Lower Upper
106 100
91 212.7 107.8 323.4





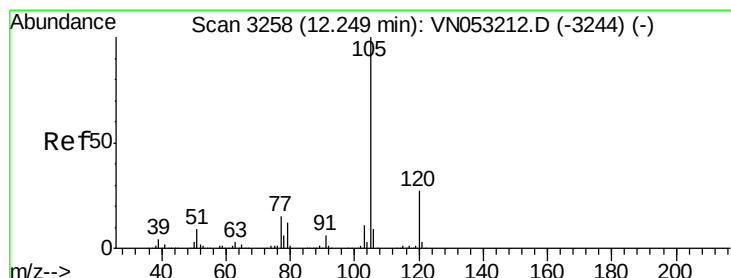
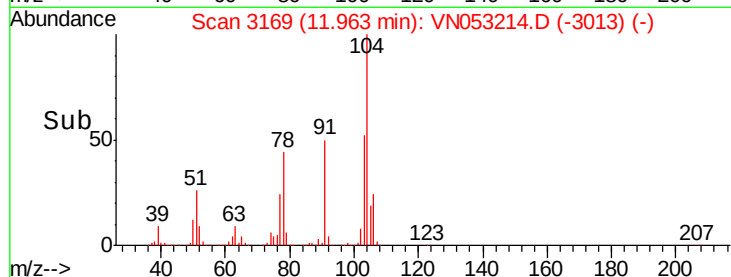
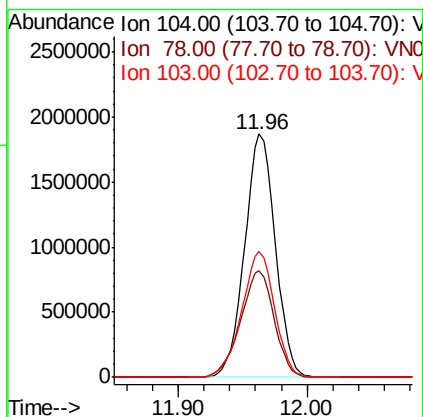
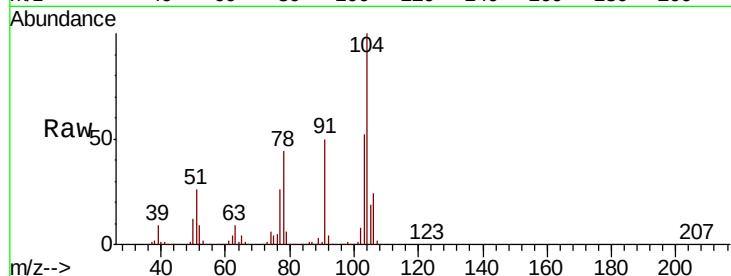
#69
Stvrene
Concen: 104.512 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.9	39.3	58.9
103	55.3	44.6	66.8

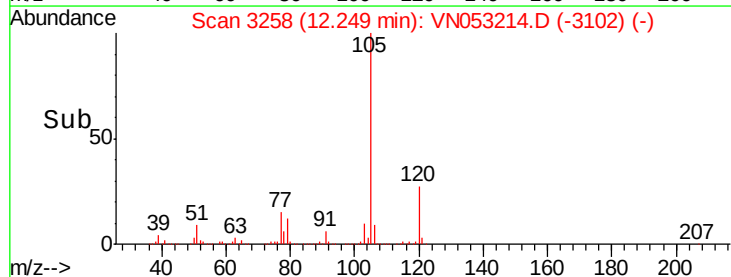
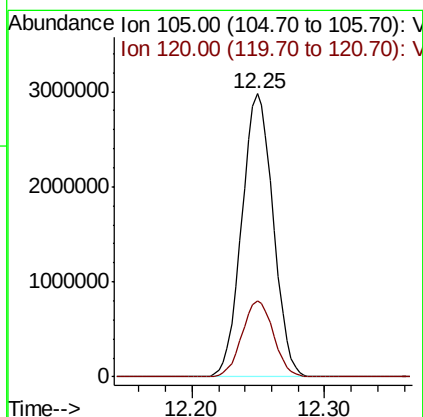
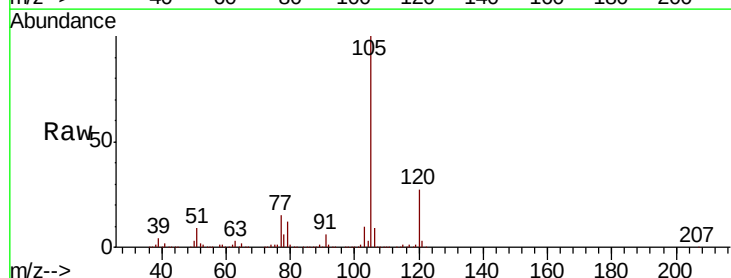
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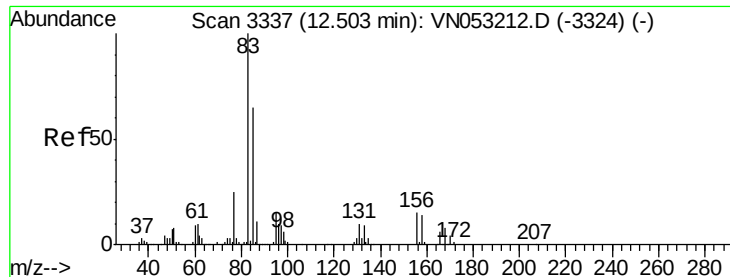
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#70
Isopropylbenzene
Concen: 100.536 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	18.6	34.6





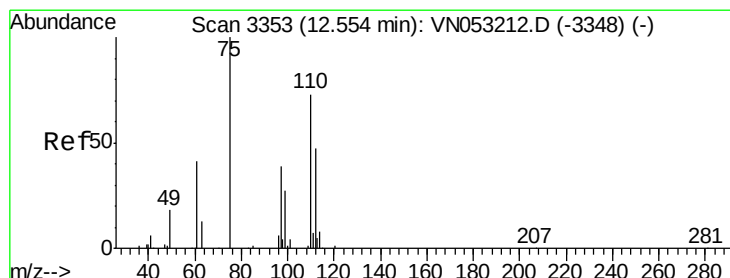
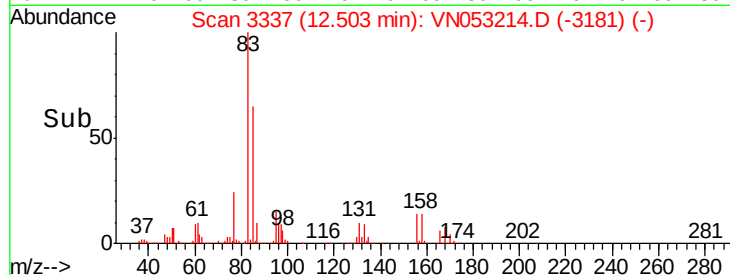
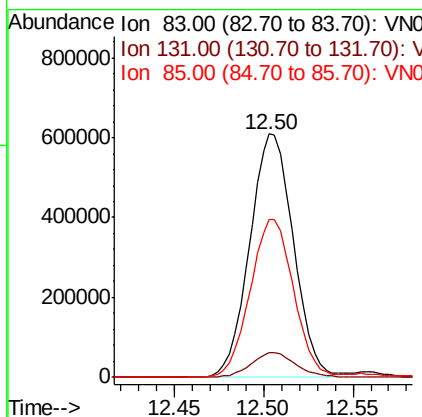
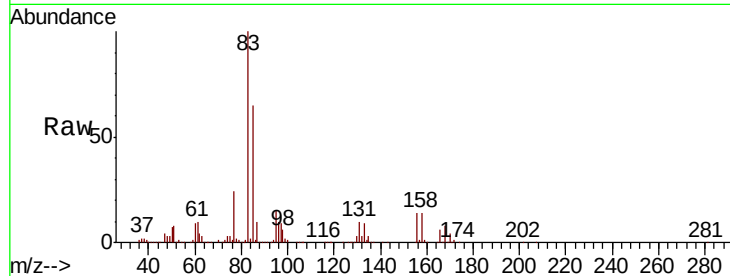
#71
 1,1,2,2-Tetrachloroethane
 Concen: 102.353 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	83	Resp	1042526
Ion Ratio	100	Lower	Upper
83	100		
131	10.4	4.9	14.6
85	64.7	32.2	96.6

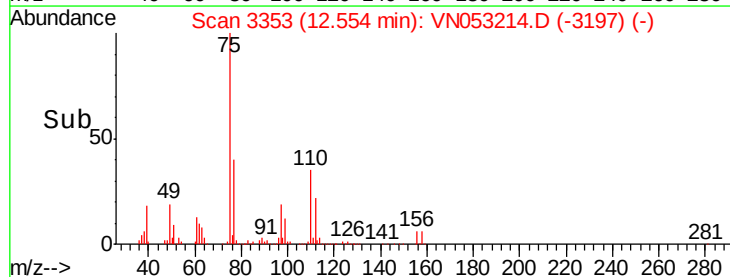
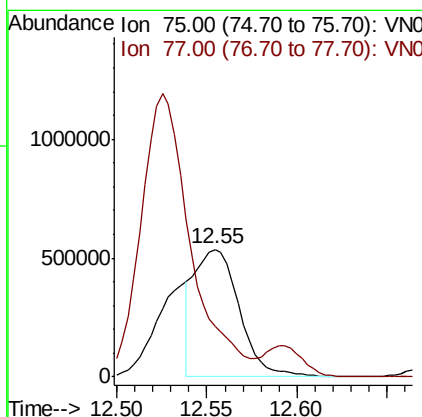
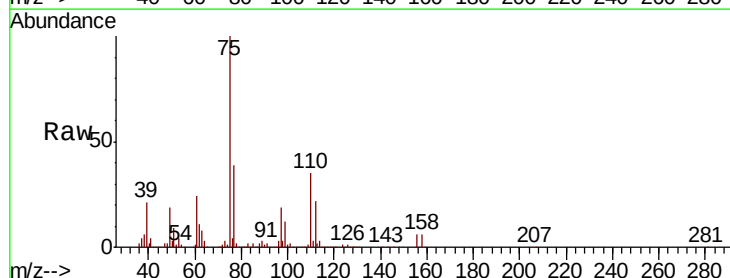
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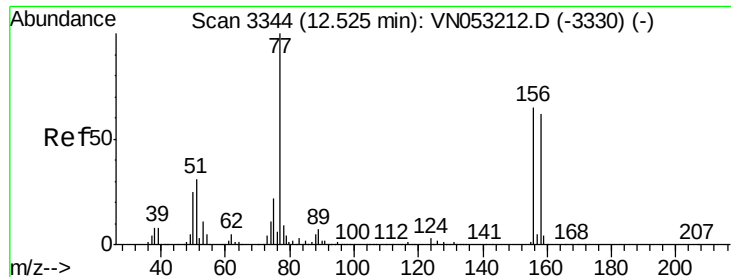
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 1/2/2019 9:48:09 AM



#72
 1,2,3-Trichloropropane
 Concen: 107.340 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Tgt Ion	75	Resp	932348
Ion Ratio	100	Lower	Upper
75	100		
77	245.7	0.0	514.8





#73

Bromobenzene

Concen: 103.243 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 1276106

Ion Ratio Lower Upper

156 100

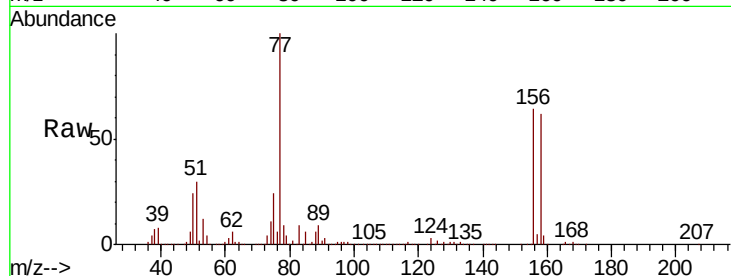
77 179.5 0.0 382.6

158 97.4 0.0 196.8

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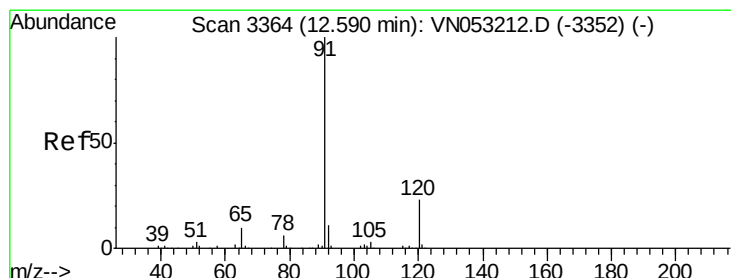
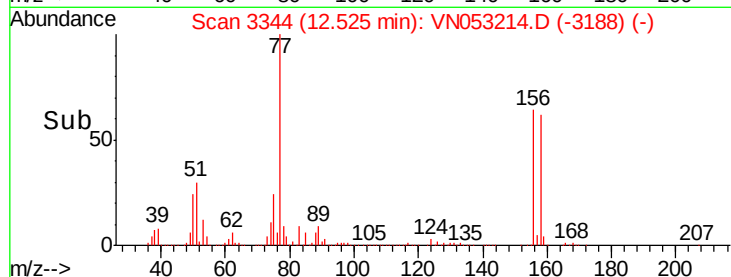
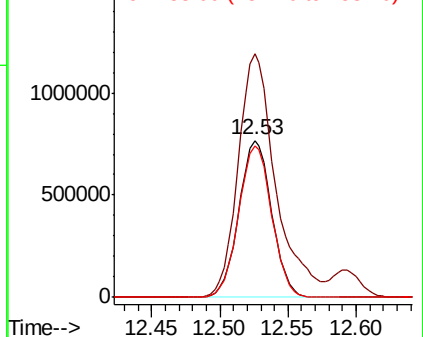
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 103.524 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053214.D

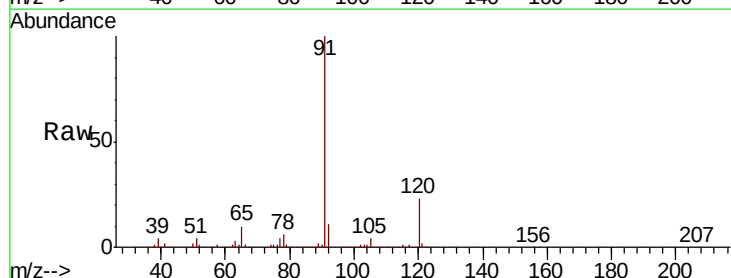
Acq: 28 Dec 2018 9:48

Tgt Ion: 91 Resp: 5619530

Ion Ratio Lower Upper

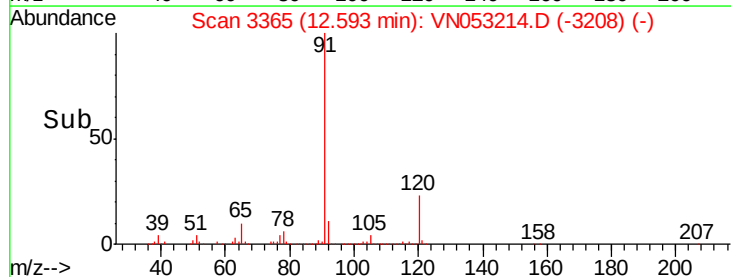
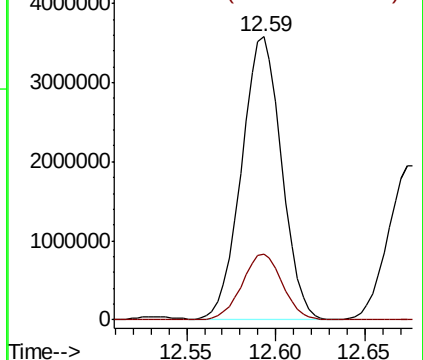
91 100

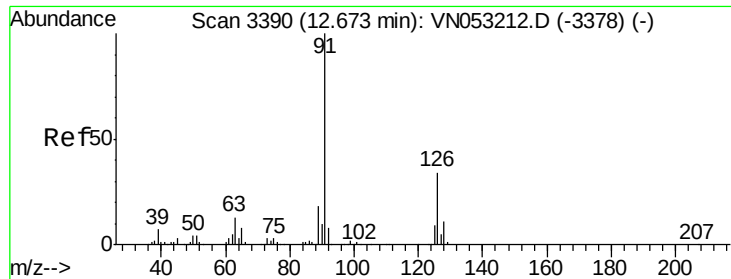
120 23.3 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 102.147 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 3307292

Ion Ratio Lower Upper

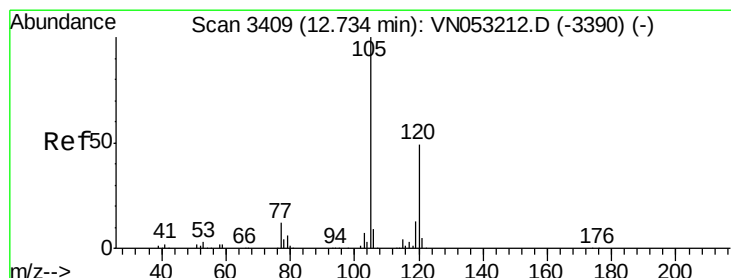
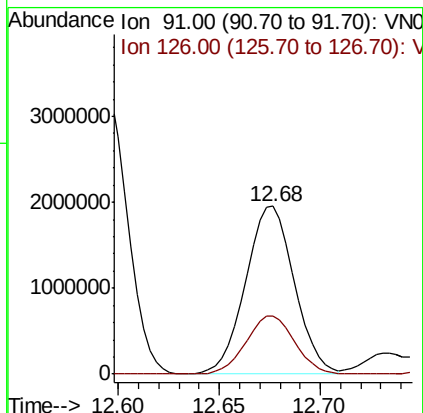
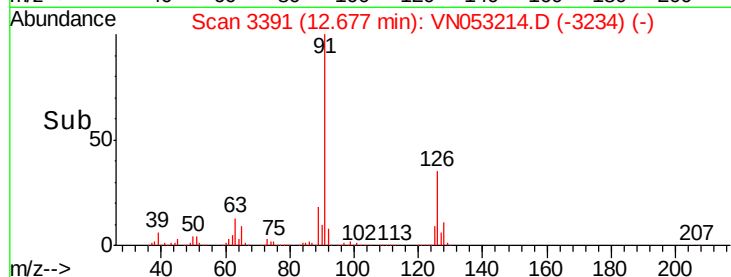
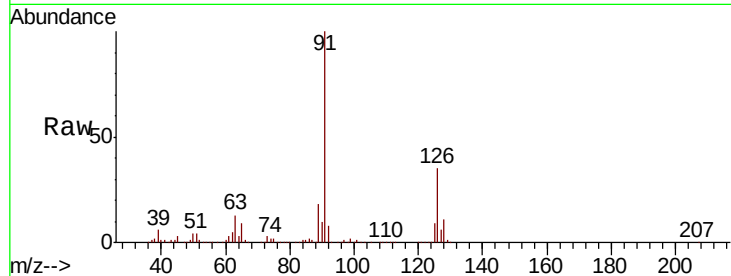
91 100

126 34.8 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 103.355 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053214.D

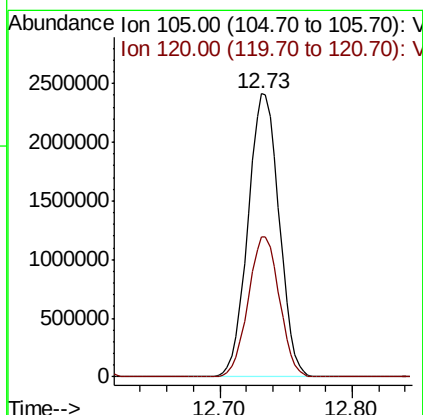
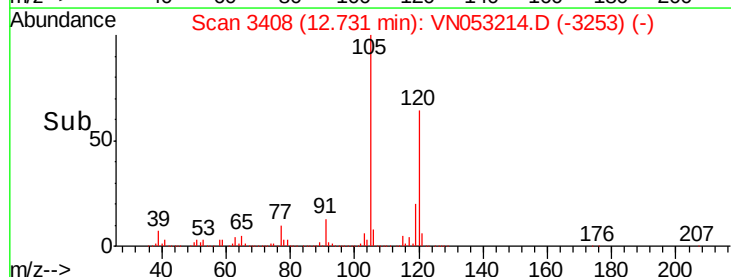
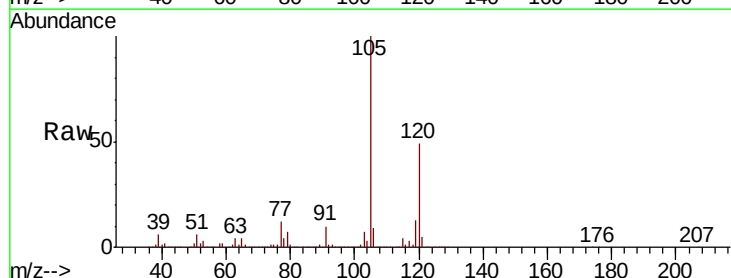
Acq: 28 Dec 2018 9:48

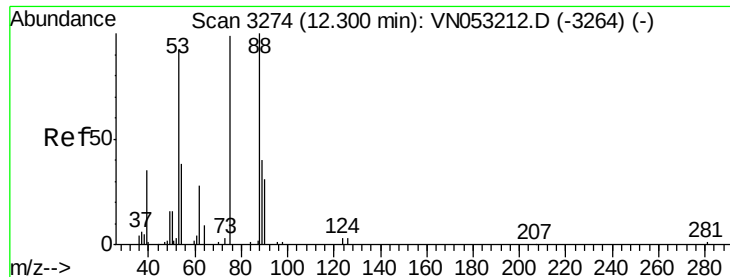
Tgt Ion: 105 Resp: 3941478

Ion Ratio Lower Upper

105 100

120 49.5 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 116.043 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Instrument :

MSVOA_N

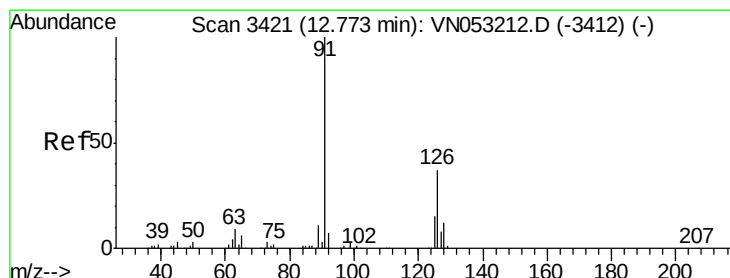
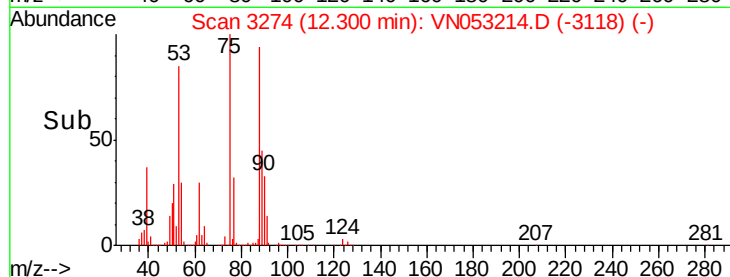
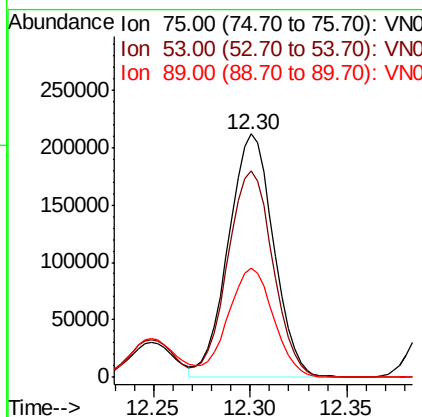
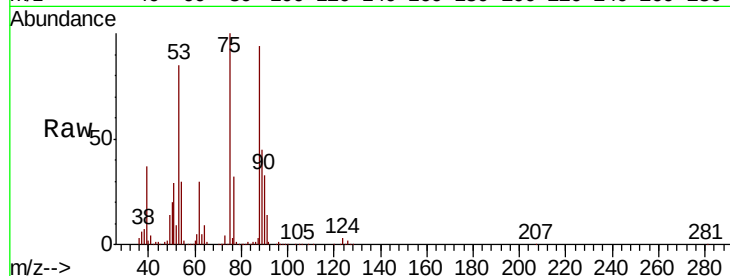
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	341794
Ion	Ratio	Lower	Upper
75	100		
53	84.7	48.5	145.6
89	44.9	21.7	65.1

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#78

4-Chlorotoluene

Concen: 104.027 ug/l

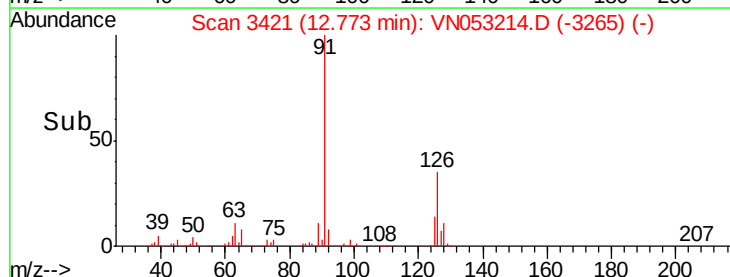
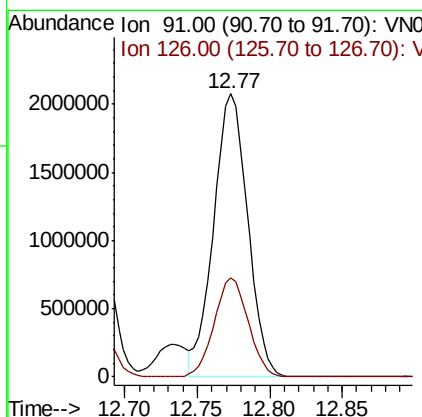
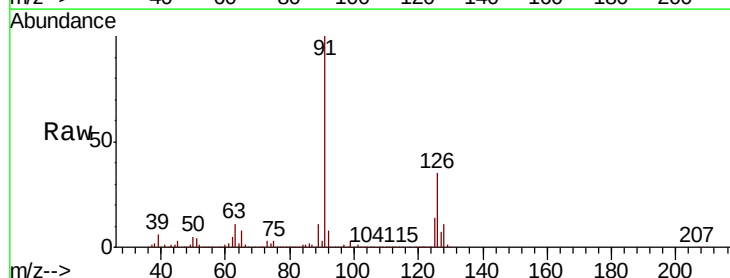
RT: 12.77 min Scan# 3421

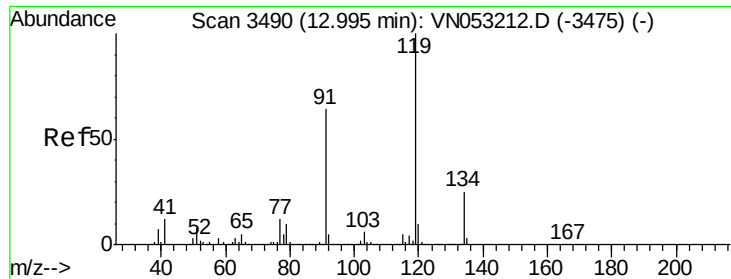
Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Tgt Ion:	91	Resp:	3400324
Ion	Ratio	Lower	Upper
91	100		
126	34.7	0.0	68.2





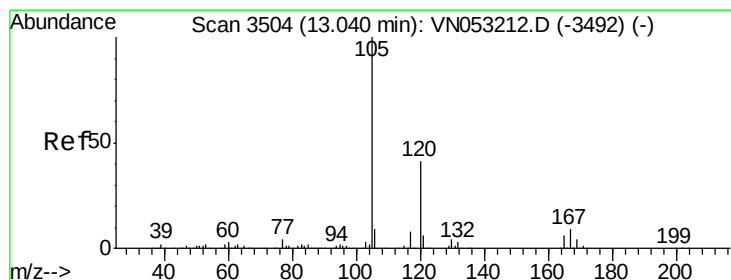
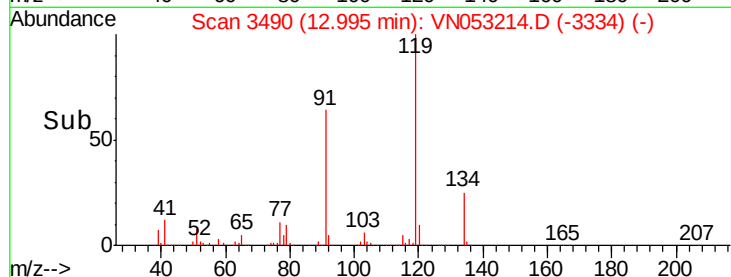
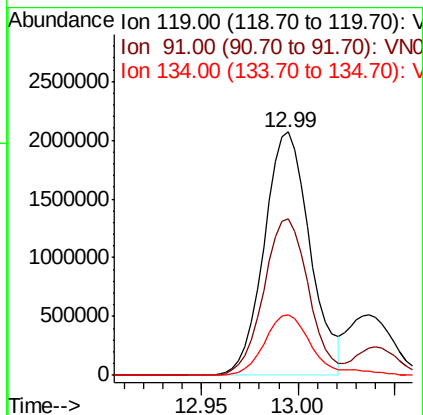
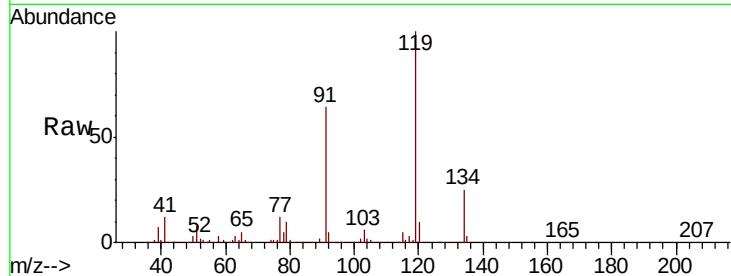
#79
tert-butylbenzene
Concen: 101.990 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	0.0	129.8
134	25.9	0.0	52.2

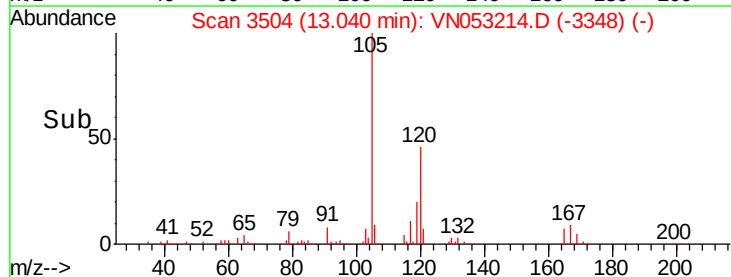
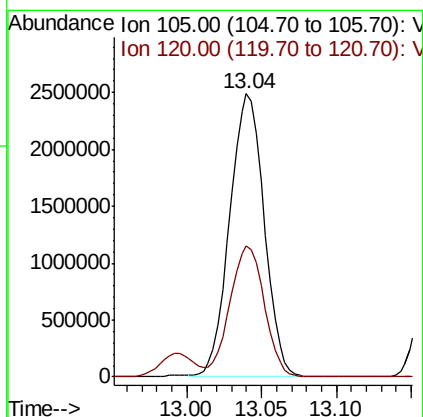
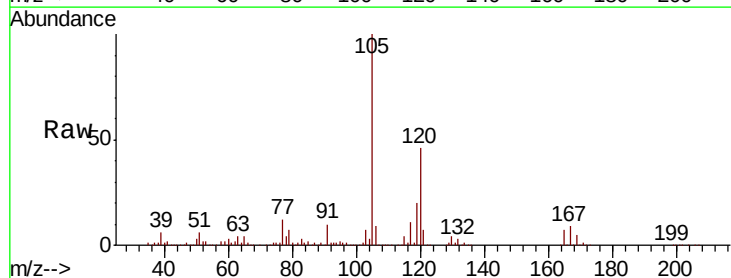
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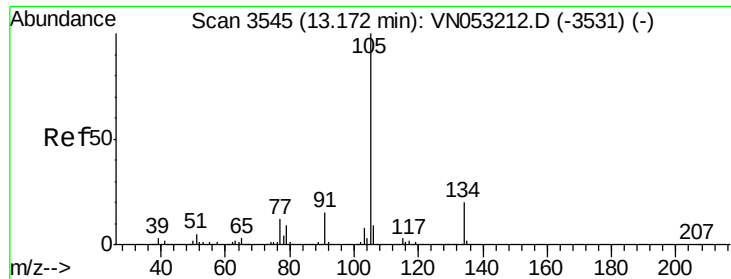
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#80
1,2,4-Trimethylbenzene
Concen: 104.633 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	0.0	91.0





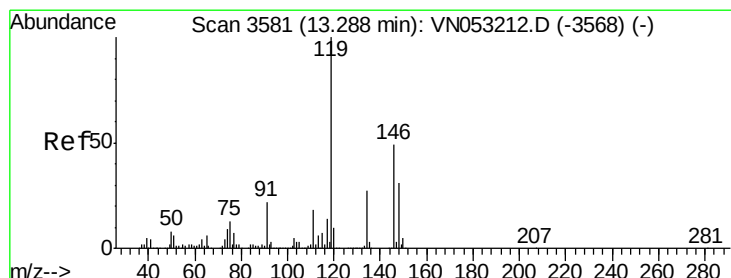
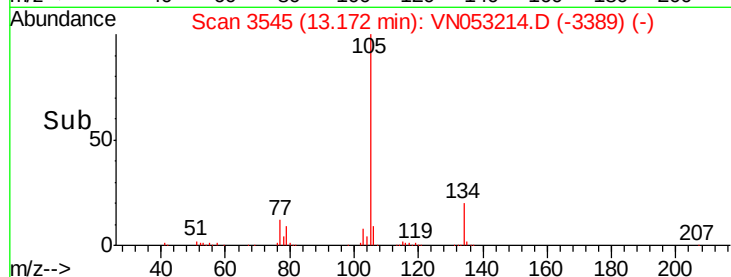
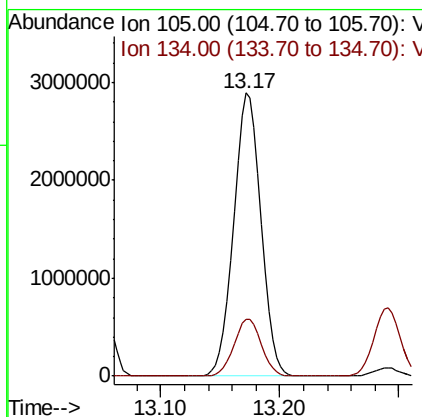
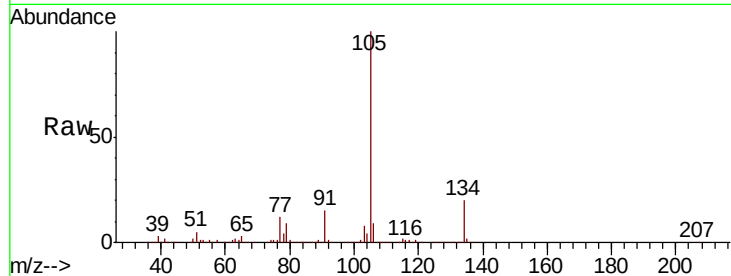
#81
 sec-Butylbenzene
 Concen: 103.805 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 4571057
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 40.4

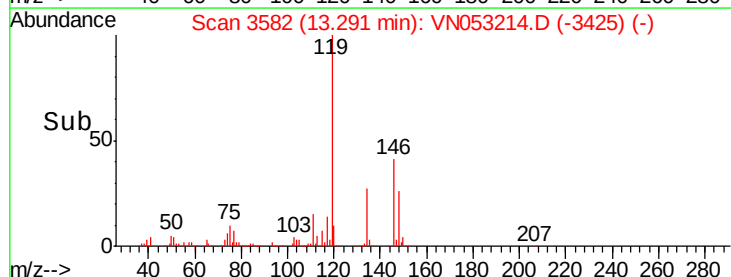
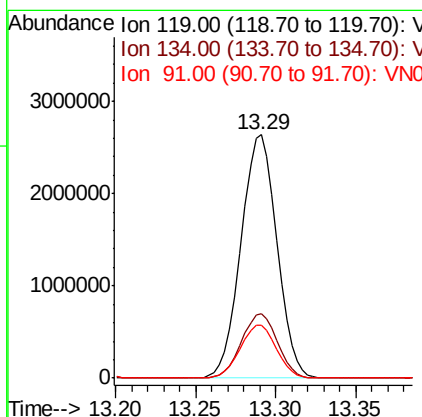
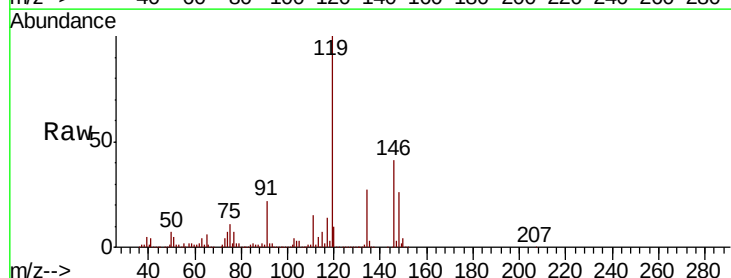
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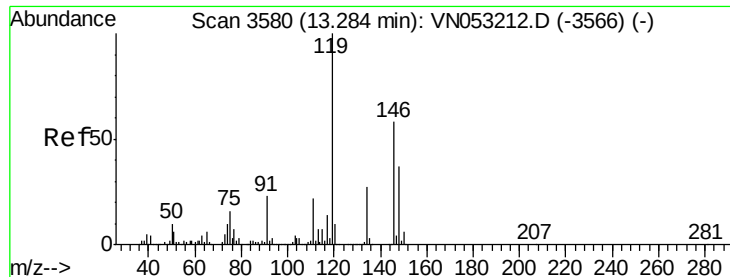
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#82
 p-Isopropyltoluene
 Concen: 107.394 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Tgt Ion:119 Resp: 4044010
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.6
 91 22.0 0.0 46.2





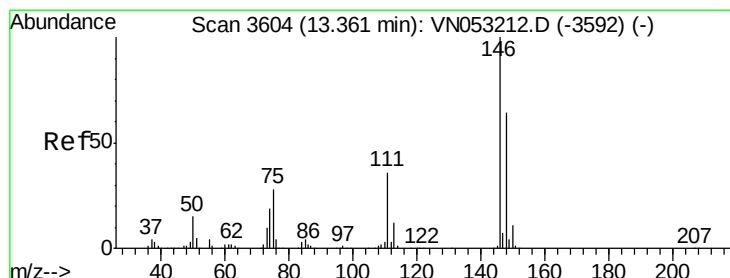
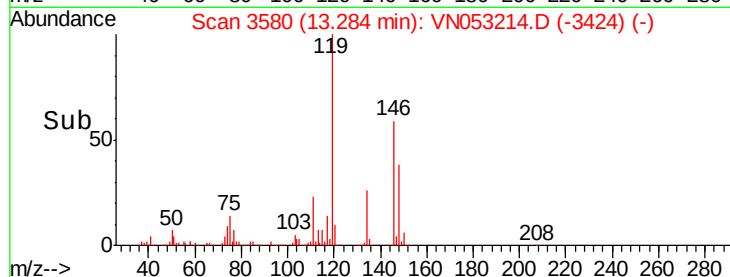
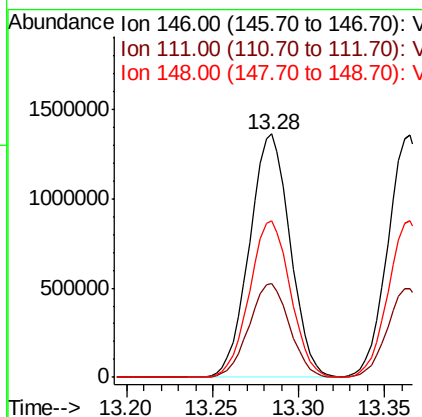
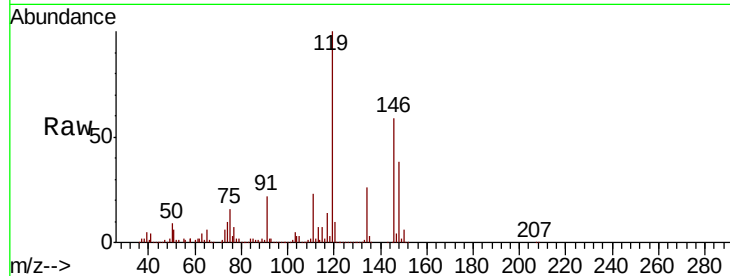
#83
 1,3-Dichlorobenzene
 Concen: 106.706 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.0
148	64.4	32.3	96.8

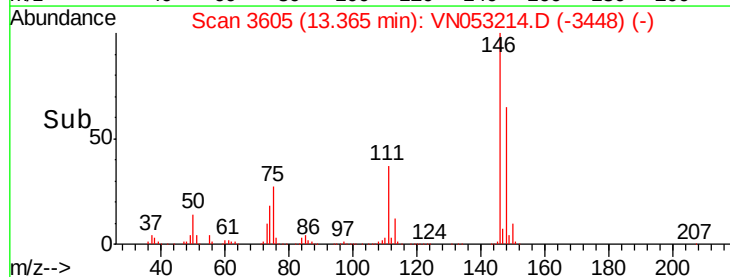
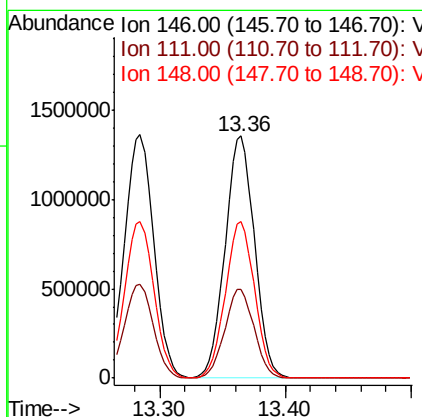
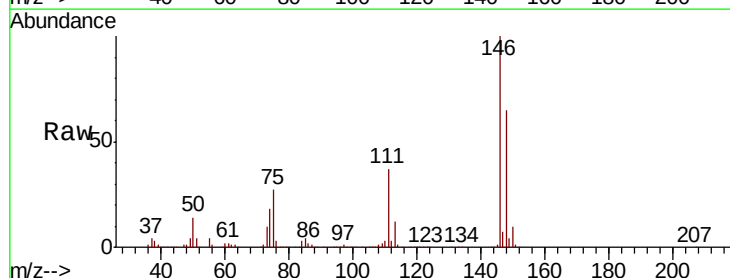
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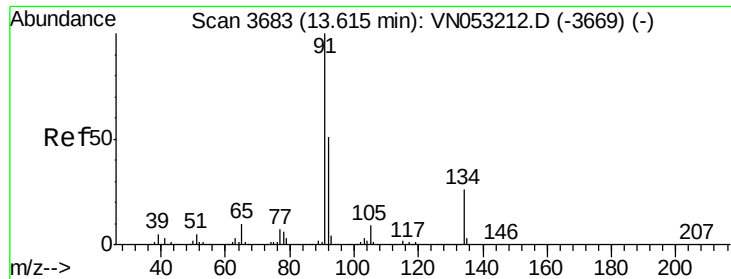
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#84
 1,4-Dichlorobenzene
 Concen: 109.038 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.8	56.3
148	64.3	32.5	97.4





#85

n-Butylbenzene

Concen: 113.274 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053214.D

Acq: 28 Dec 2018 9:48

Instrument :

MSVOA_N

ClientSampled :

VSTDICC100

Tot Ion: 91 Resp: 3403594

Ion Ratio Lower Upper

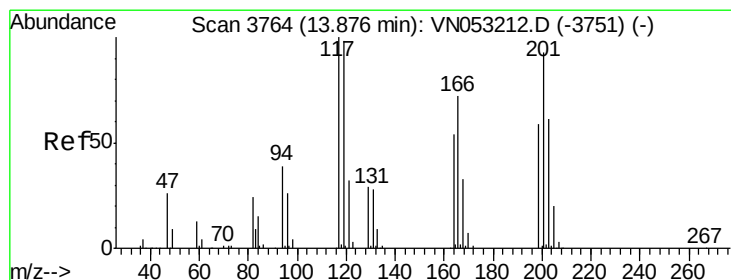
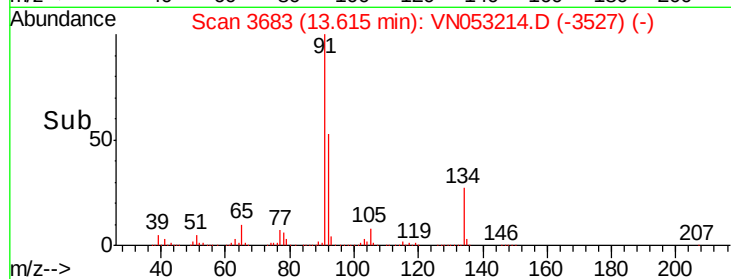
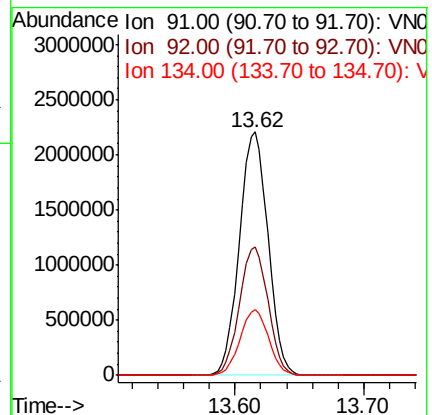
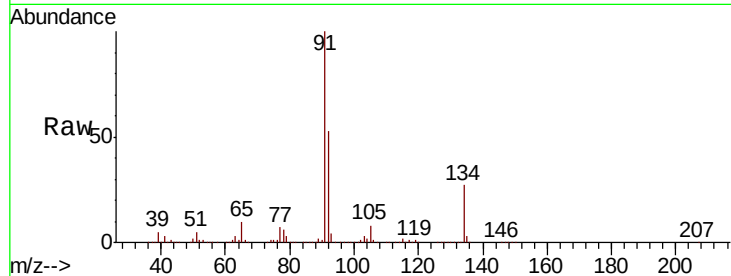
91 100

92 52.8 0.0 104.2

134 27.0 0.0 50.6

Manual Integrations
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#86

Hexachloroethane

Concen: 114.401 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053214.D

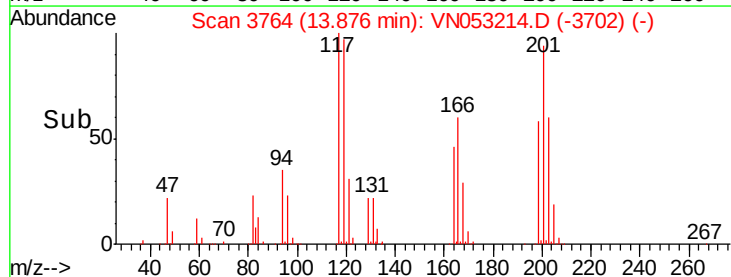
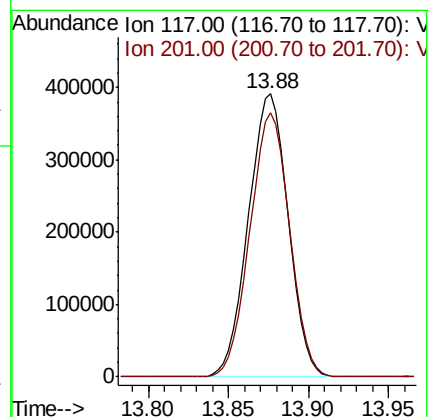
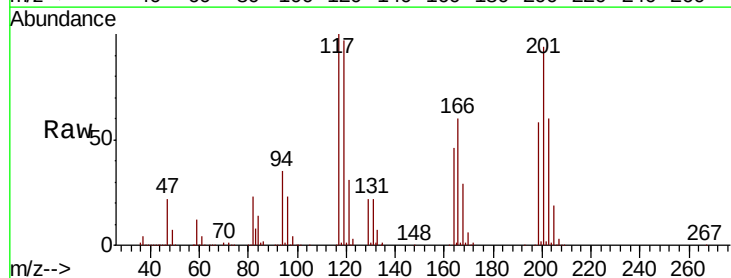
Acq: 28 Dec 2018 9:48

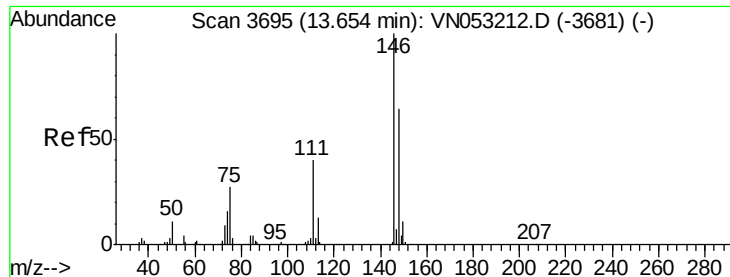
Tgt Ion: 117 Resp: 667093

Ion Ratio Lower Upper

117 100

201 93.0 43.8 131.3





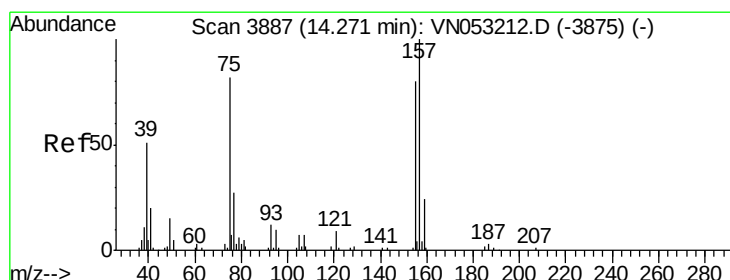
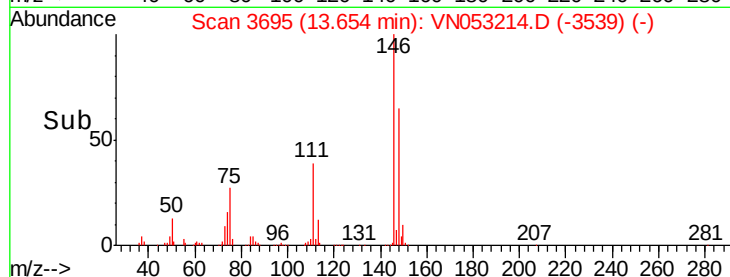
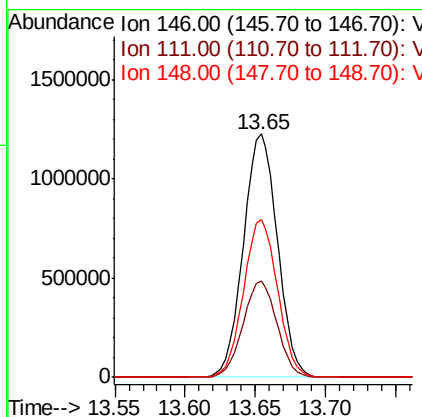
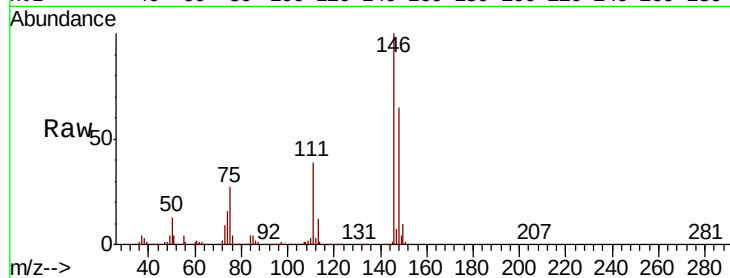
#87
 1,2-Dichlorobenzene
 Concen: 105.524 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	64.7	32.1	96.5

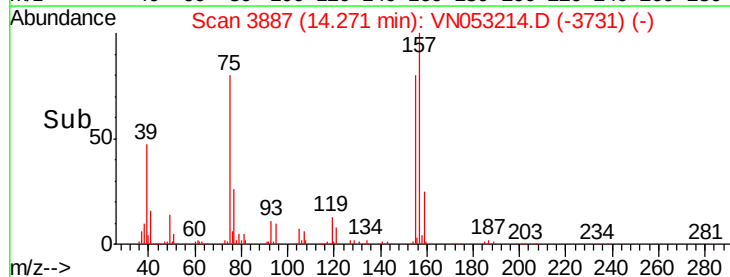
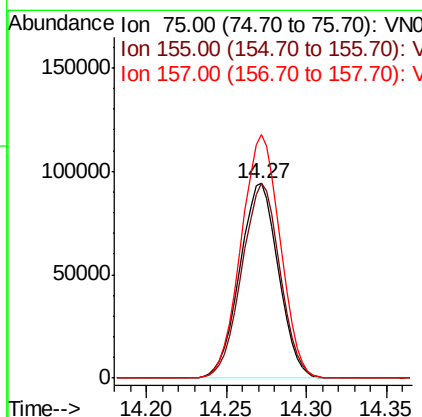
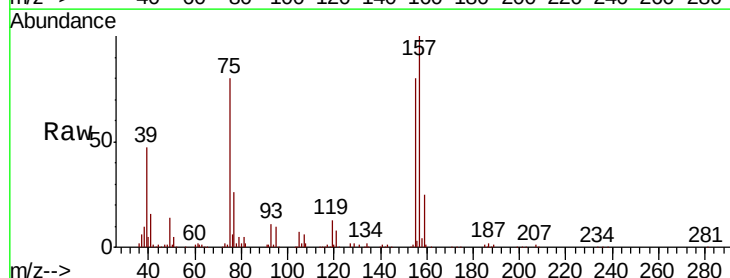
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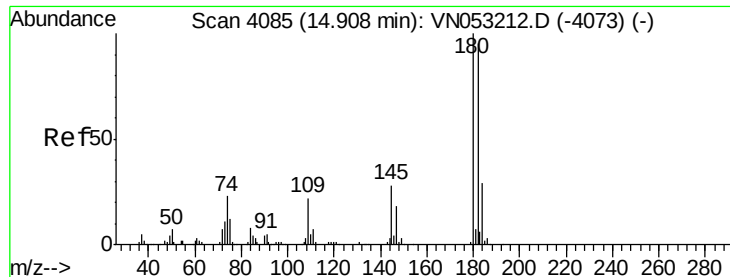
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 109.319 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.8	72.2	108.2
157	125.9	94.2	141.2





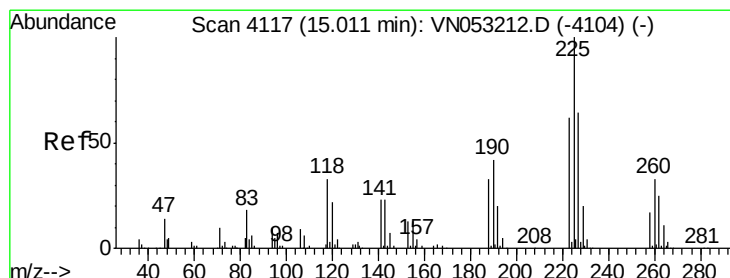
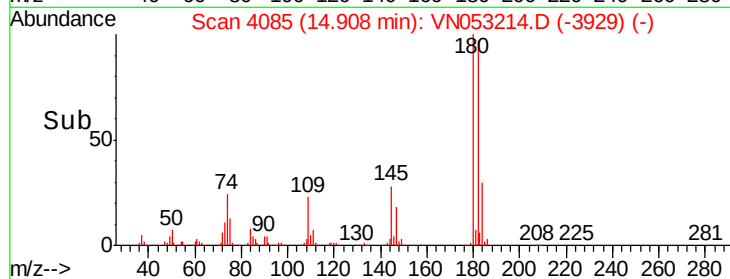
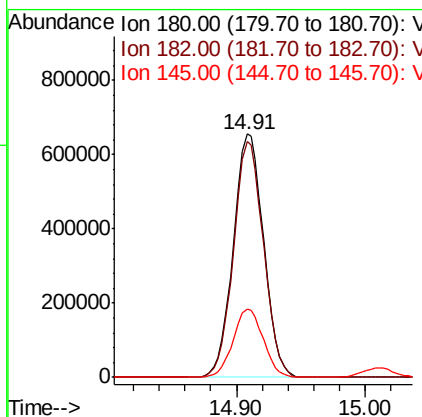
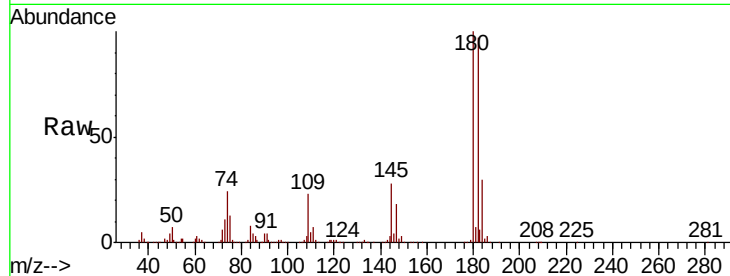
#89
 1,2,4-Trichlorobenzene
 Concen: 121.349 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.6	114.8
145	28.1	23.6	35.4

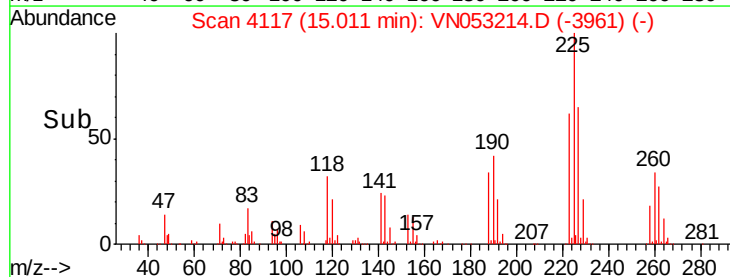
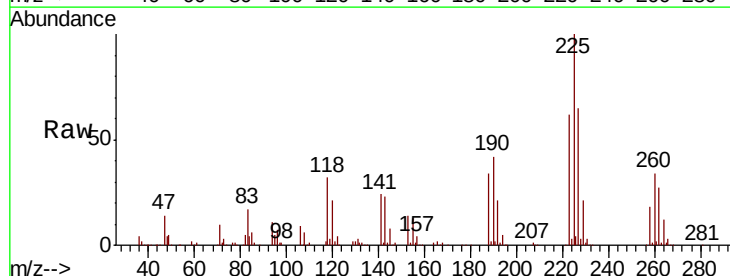
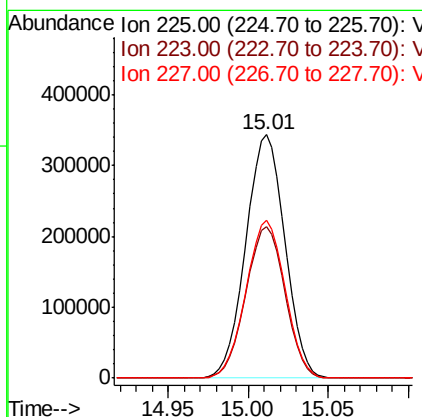
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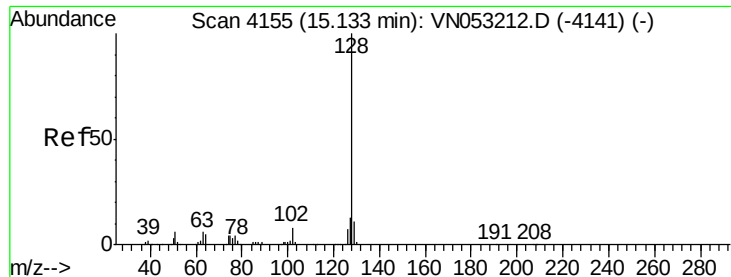
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#90
 Hexachlorobutadiene
 Concen: 96.100 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053214.D
 Acq: 28 Dec 2018 9:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	0.0	125.6
227	64.9	0.0	127.8





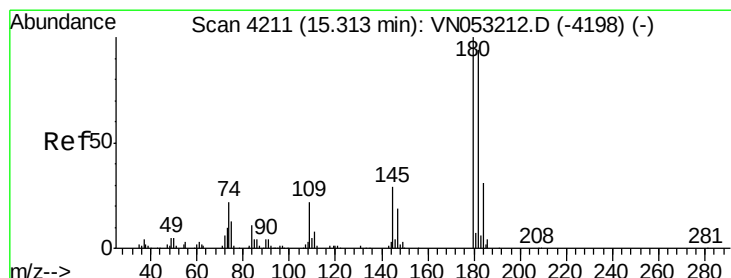
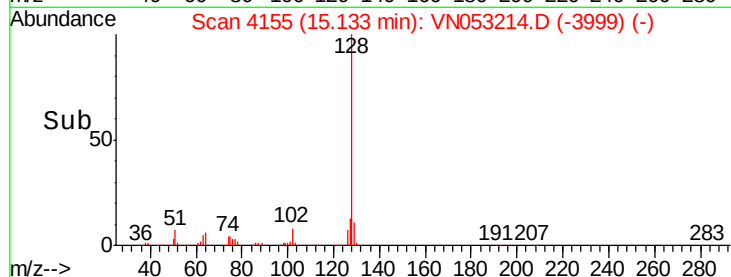
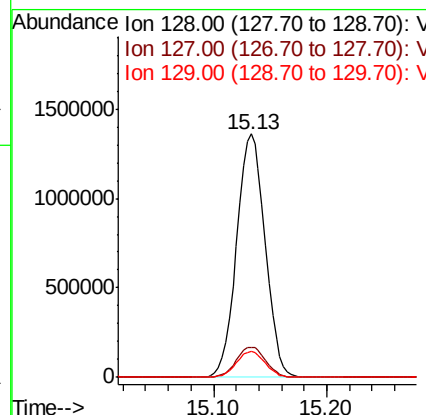
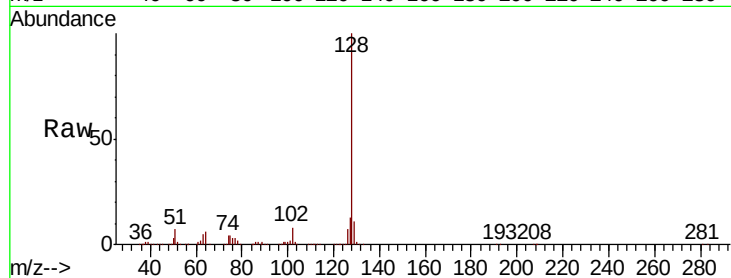
#91
Naphthalene
Concen: 131.767 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.9	14.9
129	10.8	8.5	12.7

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 123.112 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053214.D
Acq: 28 Dec 2018 9:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	0.0	196.2
145	29.6	0.0	62.2

