

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
 Data File : VN053222.D
 Acq On : 28 Dec 2018 13:54
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:49:13 AM

Quant Time: Dec 28 22:51:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	881704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1318287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1187234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	569096	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	460366	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
35) Dibromofluoromethane	7.59	113	387269	64.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.62%	
50) Toluene-d8	10.09	98	1670218	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.40	95	596306	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	406420	45.545	ug/l	100
3) Chloromethane	2.06	50	499934	46.233	ug/l	99
4) Vinyl Chloride	2.19	62	510254	46.592	ug/l	99
5) Bromomethane	2.57	94	347613	45.814	ug/l	98
6) Chloroethane	2.71	64	310355	47.850	ug/l	98
7) Trichlorofluoromethane	3.02	101	679785	49.827	ug/l	99
8) Diethyl Ether	3.41	74	261816	50.870	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	450349	51.773	ug/l	98
10) Methyl Iodide	3.96	142	618627	50.642	ug/l	100
11) Tert butyl alcohol	4.78	59	135475	248.146	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	412238	49.054	ug/l	99
13) Acrolein	3.61	56	148322	299.620	ug/l	100
14) Allyl chloride	4.33	41	667717	51.295	ug/l	97
15) Acrylonitrile	4.99	53	768350	253.328	ug/l	99
16) Acetone	3.81	43	464444	264.739	ug/l	97
17) Carbon Disulfide	4.06	76	1117727	40.783	ug/l	100
18) Methyl Acetate	4.32	43	440114	55.169	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1158659	51.521	ug/l	99
20) Methylene Chloride	4.55	84	481906	50.357	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	442594	49.018	ug/l	98
22) Diisopropyl ether	5.95	45	1507880	54.269	ug/l	97
23) Vinyl Acetate	5.89	43	4326375	270.780	ug/l	98
24) 1,1-Dichloroethane	5.85	63	856053	51.848	ug/l	99
25) 2-Butanone	6.83	43	795968	270.349	ug/l	98
26) 2,2-Dichloropropane	6.82	77	654297	51.913	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	521726	51.040	ug/l	98
28) Bromochloromethane	7.19	49	359666	50.271	ug/l	98
29) Tetrahydrofuran	7.21	42	555654	252.690	ug/l	99
30) Chloroform	7.37	83	840102	51.796	ug/l	98
31) Cyclohexane	7.65	56	778817	50.301	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	699322	50.613	ug/l	99
36) 1,1-Dichloropropene	7.79	75	648190	51.227	ug/l	100
37) Ethyl Acetate	6.93	43	367037	51.961	ug/l	98
38) Carbon Tetrachloride	7.77	117	607966	52.420	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	764795	49.755	ug/l	97
40) Benzene	8.04	78	1962284	52.137	ug/l	100
41) Methacrylonitrile	7.17	41	234231	57.391	ug/l	91
42) 1,2-Dichloroethane	8.12	62	574228	51.646	ug/l	99
43) Isopropyl Acetate	8.16	43	694131	50.796	ug/l	97
44) Trichloroethene	8.83	130	536989	49.328	ug/l	98
45) 1,2-Dichloropropane	9.12	63	527075	53.765	ug/l	99
46) Dibromomethane	9.21	93	292726	51.258	ug/l	99
47) Bromodichloromethane	9.40	83	644474	53.089	ug/l	100
48) Methyl methacrylate	9.20	41	353214	51.531	ug/l	99
49) 1,4-Dioxane	9.20	88	85081	981.270	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1827972	267.223	ug/l	100
52) Toluene	10.16	92	1214876	52.077	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	665098	52.103	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	781604	53.344	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	432915	53.193	ug/l	99
56) Ethyl methacrylate	10.43	69	569208	52.841	ug/l	97
57) 1,3-Dichloropropane	10.71	76	742479	53.201	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1250875	211.515	ug/l	99
59) 2-Hexanone	10.75	43	1255338	271.234	ug/l	99
60) Dibromochloromethane	10.90	129	490478	52.649	ug/l	100
61) 1,2-Dibromoethane	11.00	107	429472	51.959	ug/l	100
64) Tetrachloroethene	10.63	164	574845	44.699	ug/l	99
65) Chlorobenzene	11.43	112	1368607	52.003	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	484255	52.913	ug/l	99
67) Ethyl Benzene	11.51	91	2364683	52.247	ug/l	100
68) m/p-Xylenes	11.62	106	1787160	103.870	ug/l	100
69) o-Xylene	11.95	106	862545	52.243	ug/l	99
70) Styrene	11.96	104	1456434	54.099	ug/l	99
71) Bromoform	12.13	173	331060	50.074	ug/l #	99
73) Isopropylbenzene	12.25	105	2327480	52.271	ug/l	100
74) N-amyl acetate	12.07	43	622288	50.338	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	493541	56.498	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	429280m	44.809	ug/l	
77) Bromobenzene	12.53	156	598498	51.709	ug/l	98
78) n-propylbenzene	12.59	91	2674821	52.745	ug/l	100
79) 2-Chlorotoluene	12.67	91	1568919	49.912	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1871756	51.573	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	147841	49.739	ug/l	97
82) 4-Chlorotoluene	12.77	91	1610690	52.345	ug/l	100
83) tert-Butylbenzene	12.99	119	1640686	51.115	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1900018	52.077	ug/l	100
85) sec-Butylbenzene	13.17	105	2210142	50.907	ug/l	99
86) p-Isopropyltoluene	13.29	119	1935799	51.601	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1065920	52.033	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1045169	50.381	ug/l	100
89) n-Butylbenzene	13.62	91	1642857	50.903	ug/l	100
90) Hexachloroethane	13.88	117	306603	53.258	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1003866	52.068	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	71663	47.446	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	499982	48.961	ug/l	100
94) Hexachlorobutadiene	15.01	225	319224	60.990	ug/l	99
95) Naphthalene	15.13	128	1009258	45.218	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	434447	47.260	ug/l	99

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

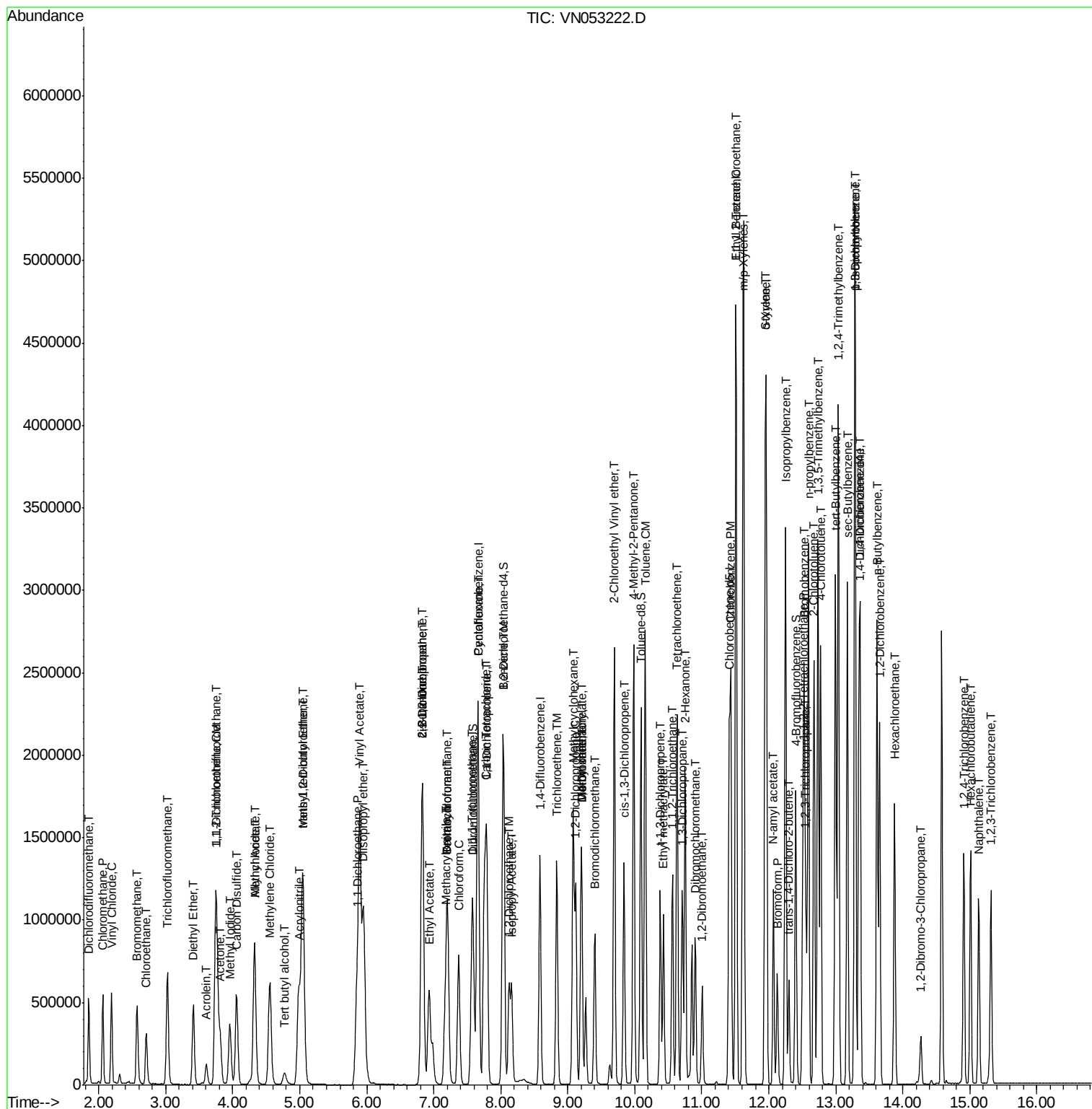
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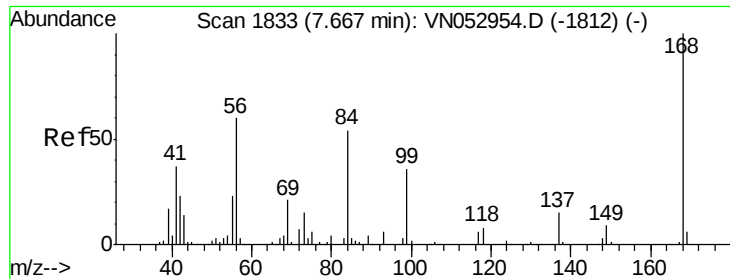
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 881704

Ion Ratio Lower Upper

168 100

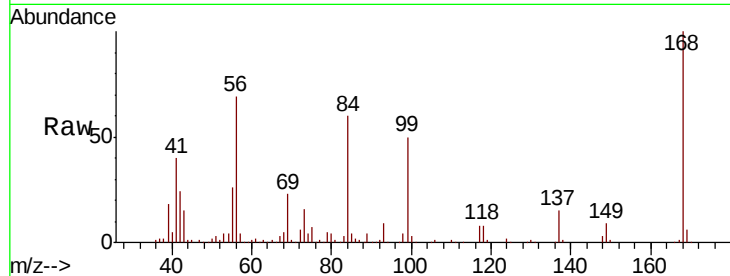
99 49.8 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

400000

300000

200000

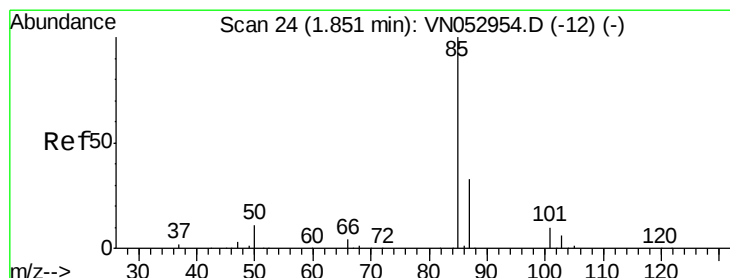
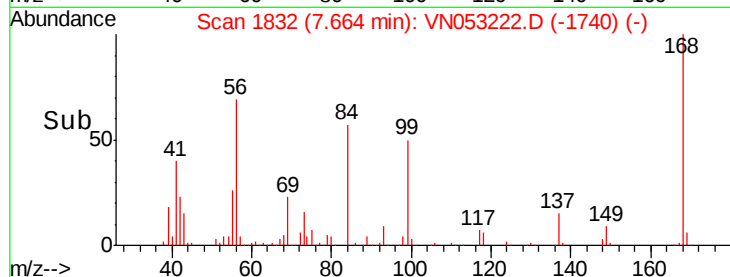
100000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.545 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053222.D

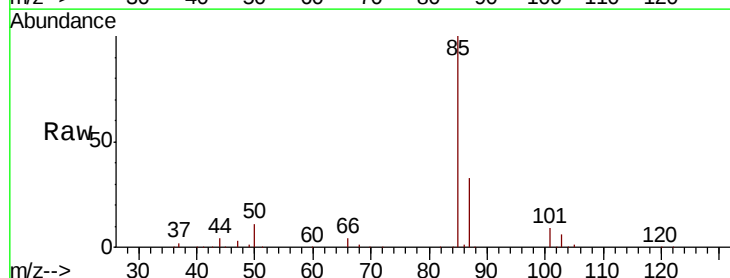
Acq: 28 Dec 2018 13:54

Tgt Ion: 85 Resp: 406420

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

300000

200000

100000

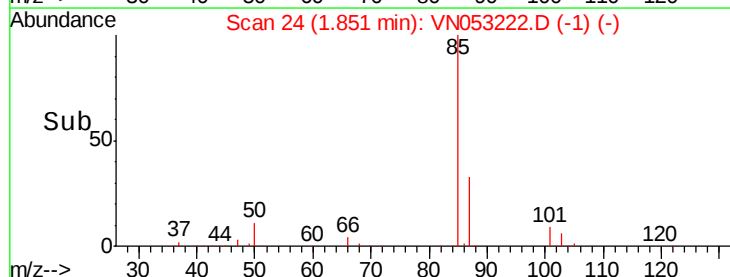
0

1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 46.233 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 499934

Ion Ratio Lower Upper

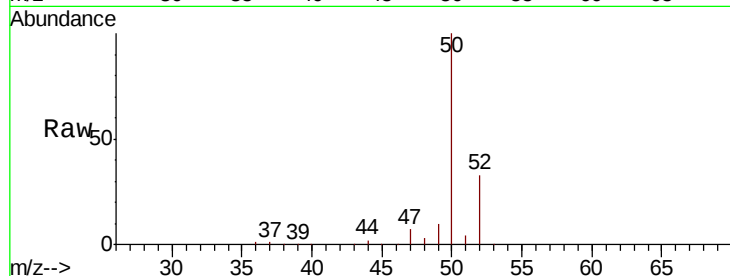
50 100

52 33.2 26.2 39.4

Manual Integrations
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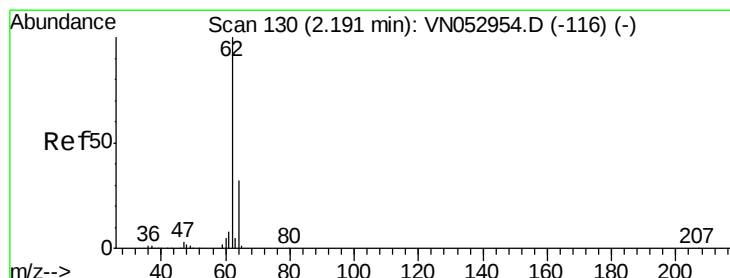
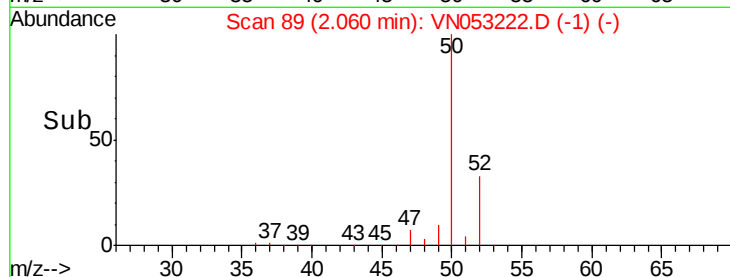
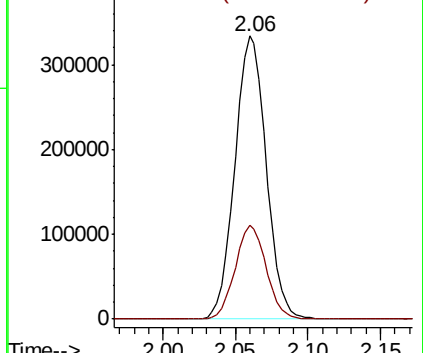
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Abundance Ion 49.90 (49.60 to 50.60): VN053222.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN053222.D (-1) (-)



#4

Vinyl Chloride

Concen: 46.592 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053222.D

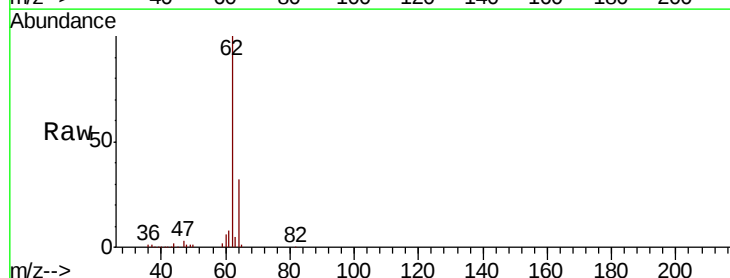
Acq: 28 Dec 2018 13:54

Tgt Ion: 62 Resp: 510254

Ion Ratio Lower Upper

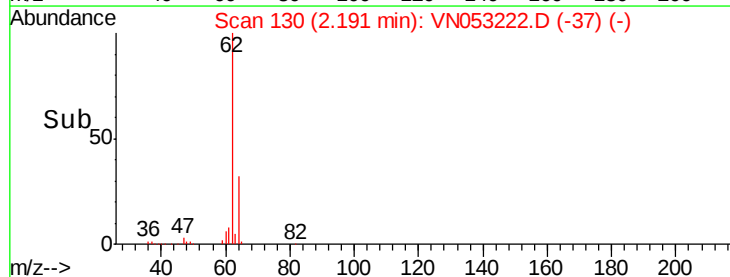
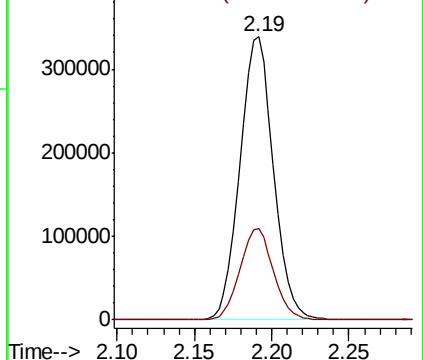
62 100

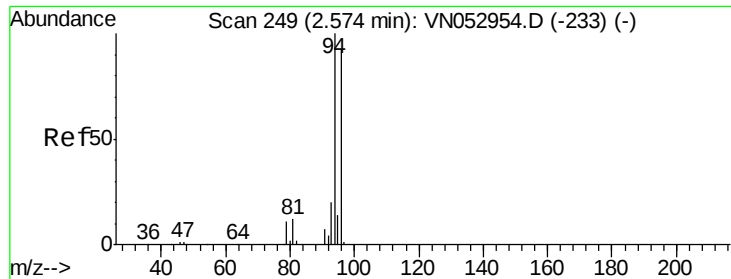
64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN053222.D (-37) (-)

Ion 63.90 (63.60 to 64.60): VN053222.D (-37) (-)





#5

Bromomethane

Concen: 45.814 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 347613

Ion Ratio Lower Upper

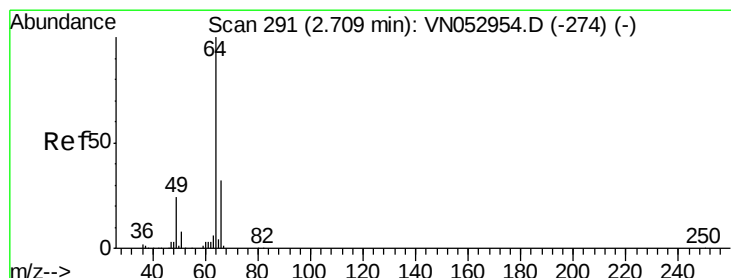
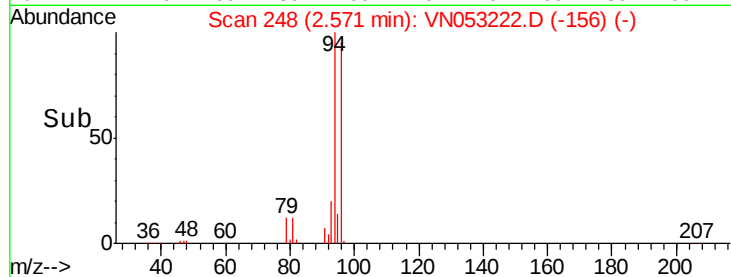
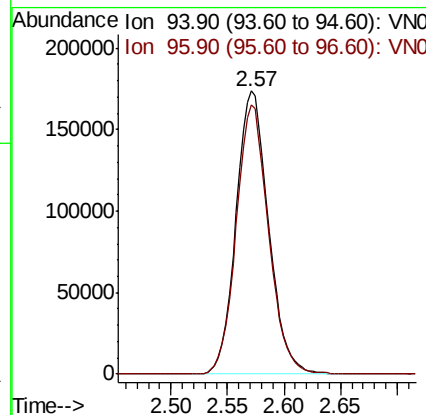
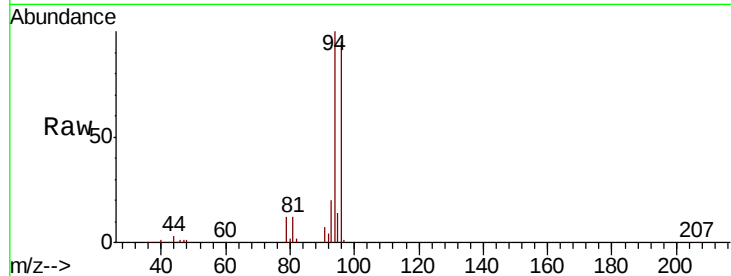
94 100

96 95.3 75.0 112.4

Manual Integrations
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#6

Chloroethane

Concen: 47.850 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053222.D

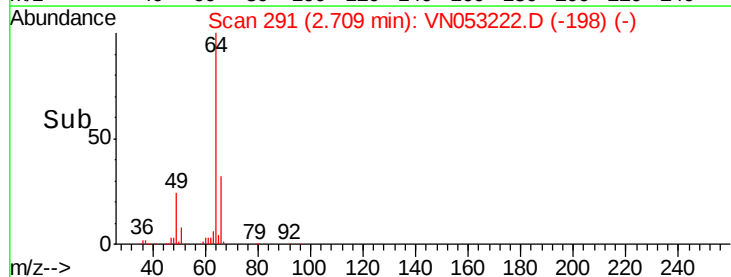
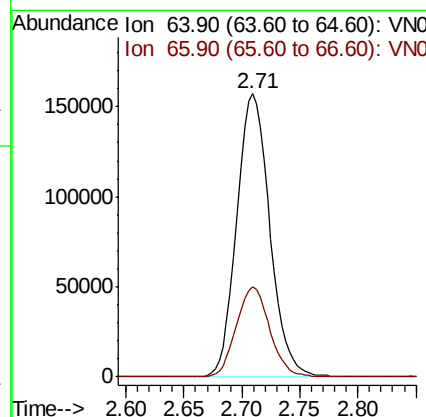
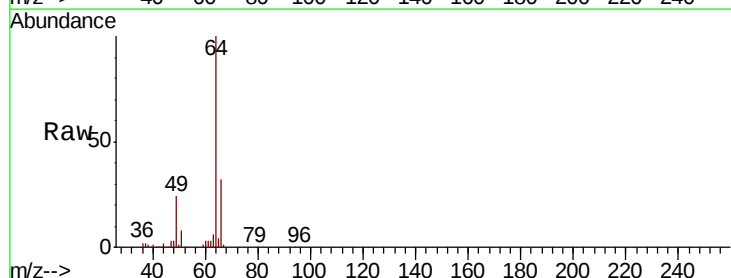
Acq: 28 Dec 2018 13:54

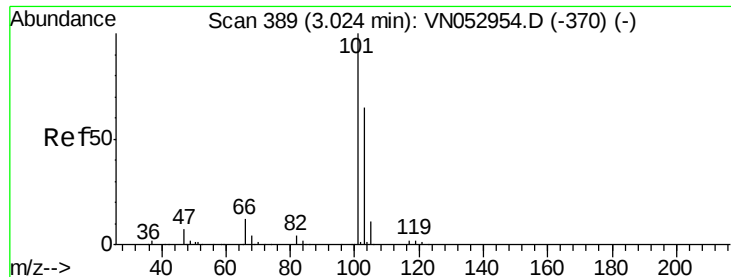
Tgt Ion: 64 Resp: 310355

Ion Ratio Lower Upper

64 100

66 31.7 26.2 39.2





#7

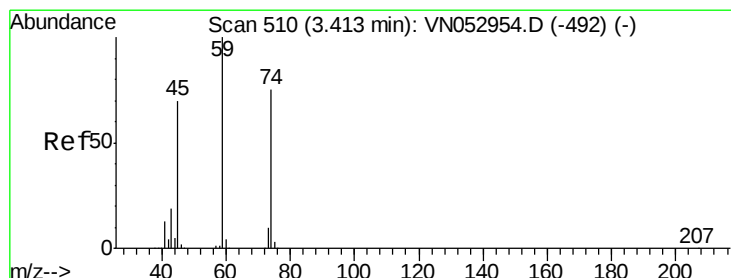
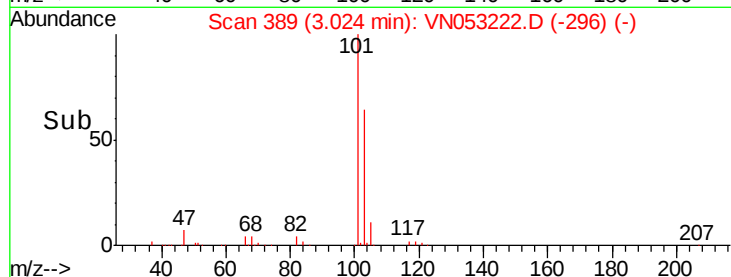
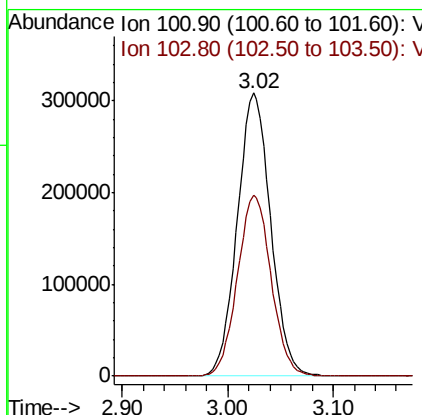
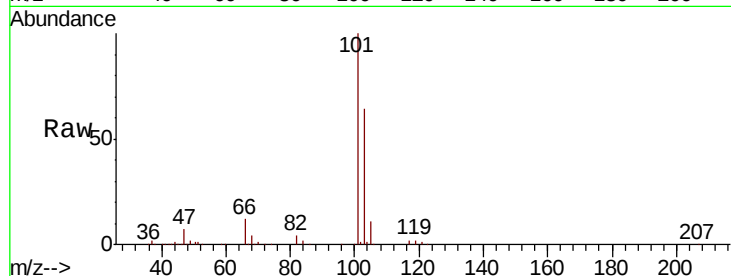
Trichlorofluoromethane
 Concen: 49.827 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053222.D
 Acq: 28 Dec 2018 13:54

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.8	77.6

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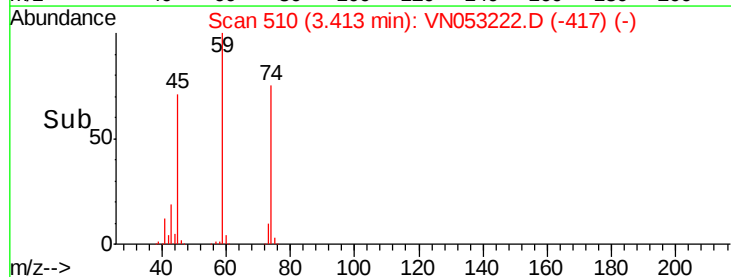
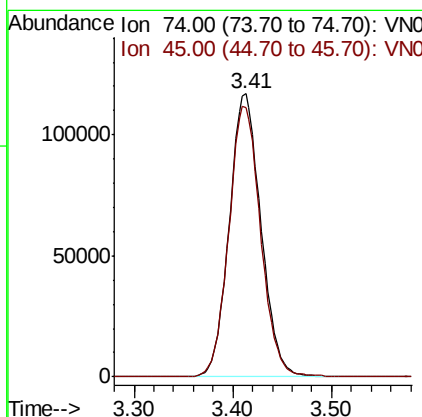
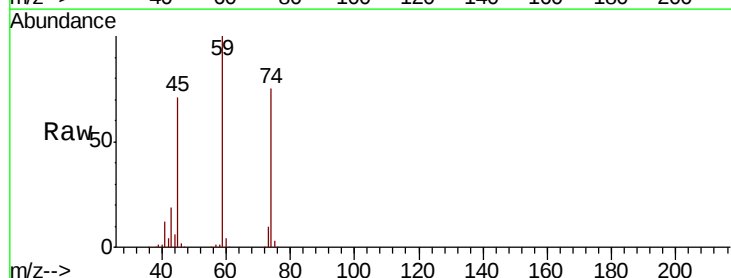
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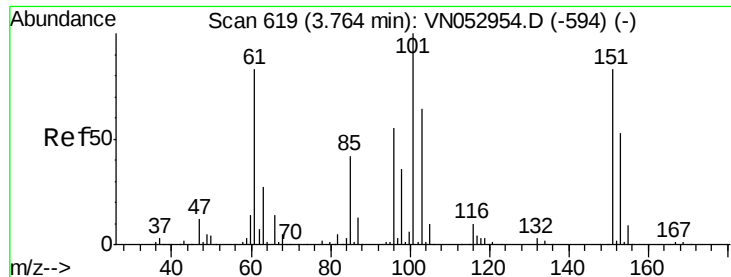


#8

Diethyl Ether
 Concen: 50.870 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053222.D
 Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.773 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

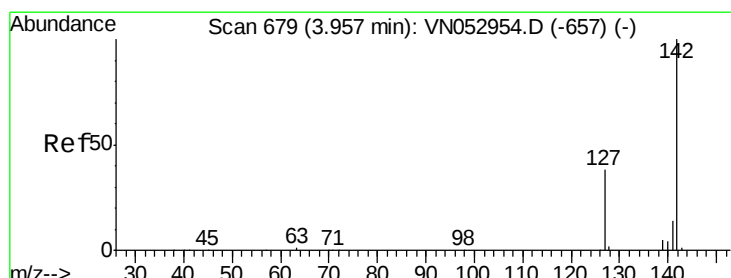
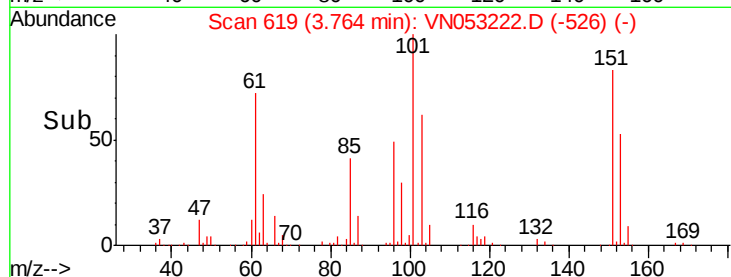
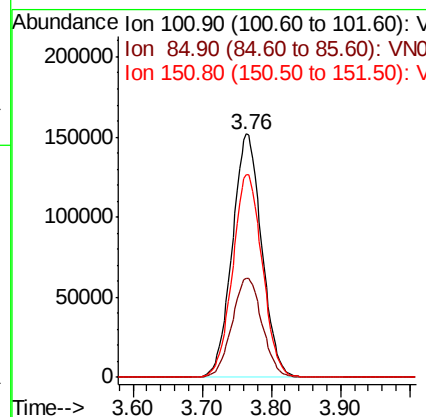
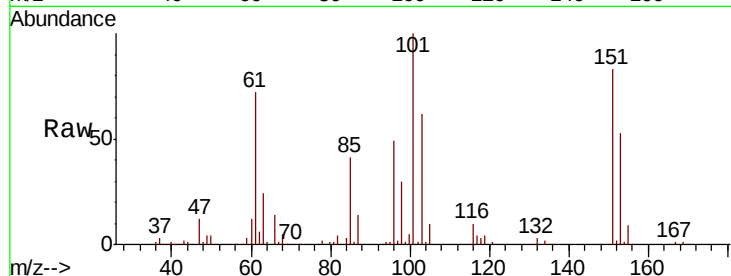
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	450349
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.6	50.4
151	83.9	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 50.642 ug/l

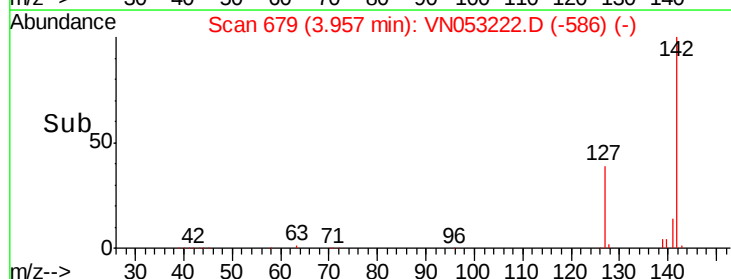
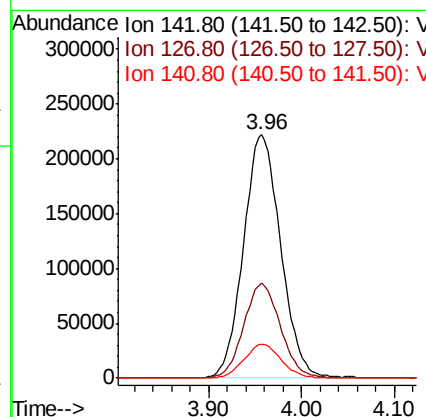
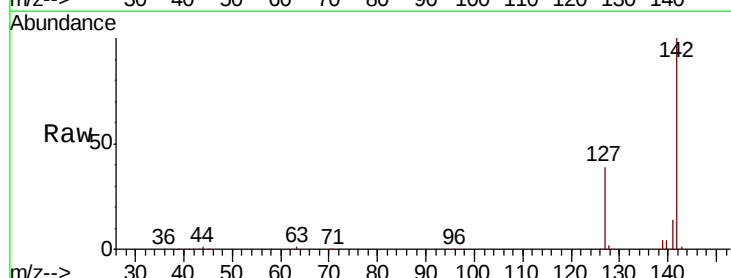
RT: 3.96 min Scan# 679

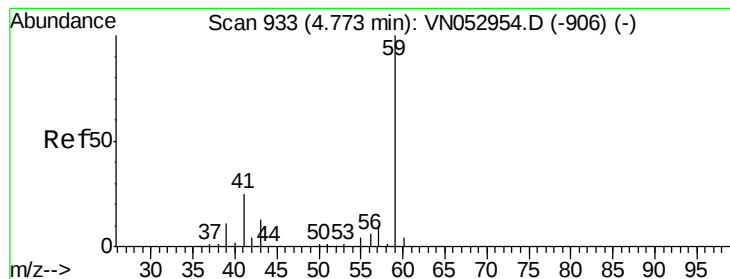
Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Tgt Ion:	142	Resp:	618627
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.0	46.6
141	14.0	11.2	16.8





#11

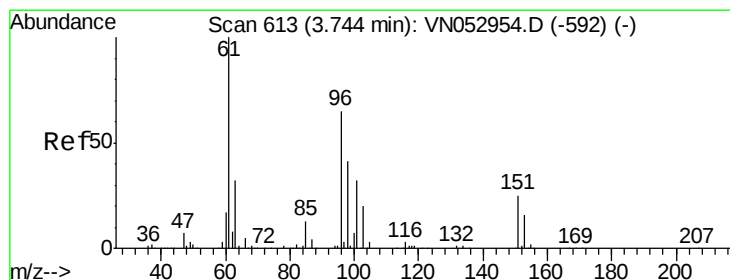
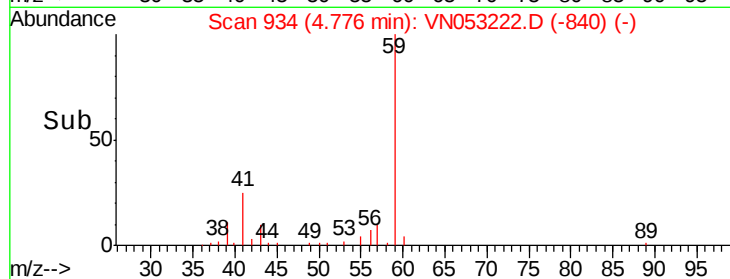
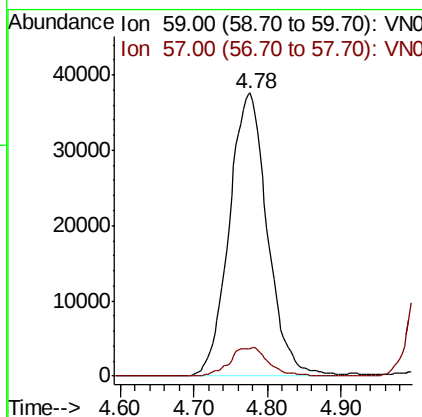
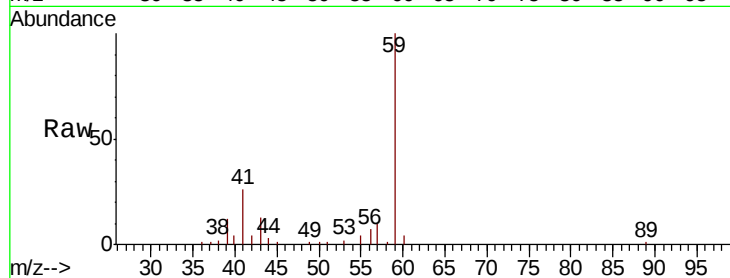
Tert butyl alcohol
 Concen: 248.146 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053222.D
 Acq: 28 Dec 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.0	7.7	11.5#

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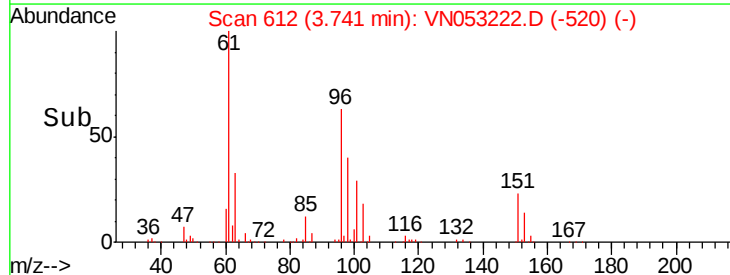
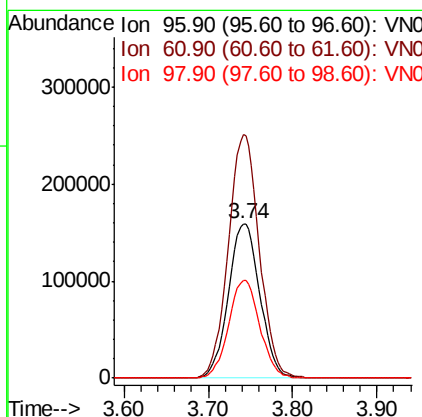
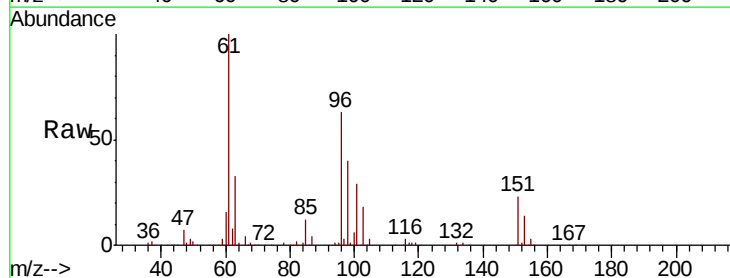
MMDadoda
 1/2/2019 9:49:13 AM

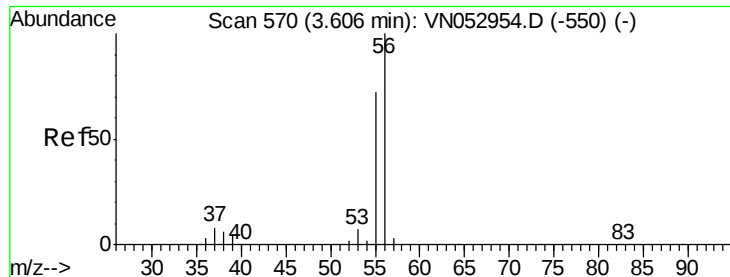


#12

1,1-Dichloroethene
 Concen: 49.054 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053222.D
 Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.0	125.6	188.4
98	63.7	50.6	75.8





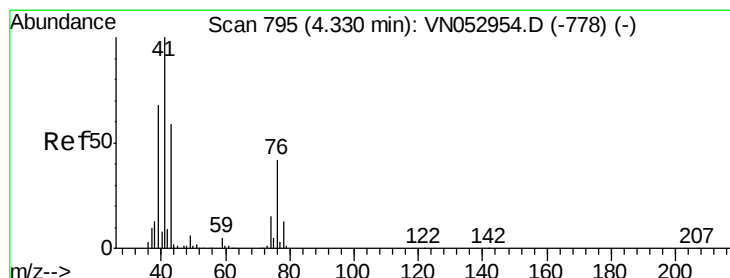
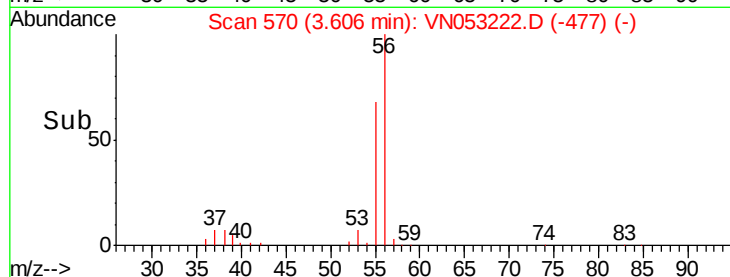
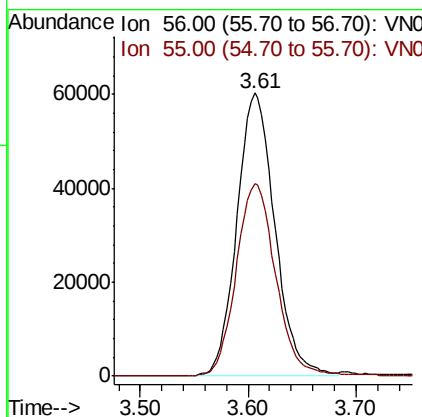
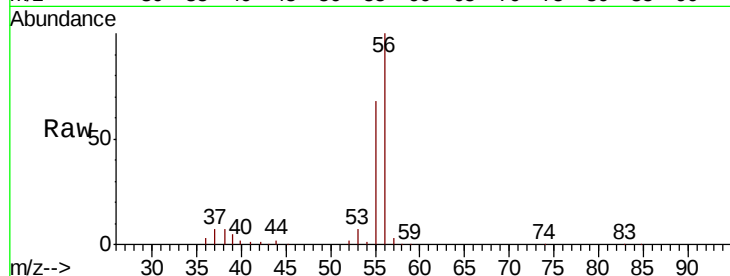
#13
Acrolein
Concen: 299.620 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper
148322	100	70.5		56.6	85.0

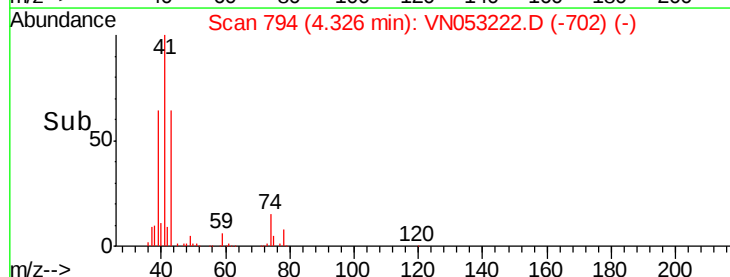
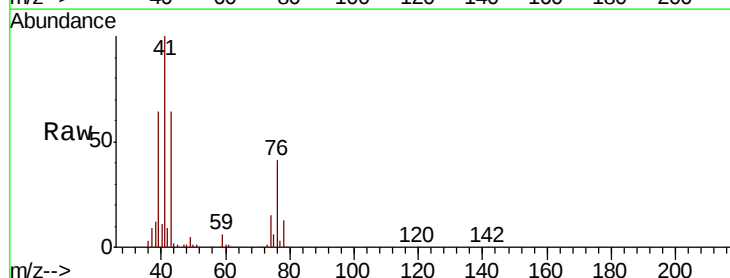
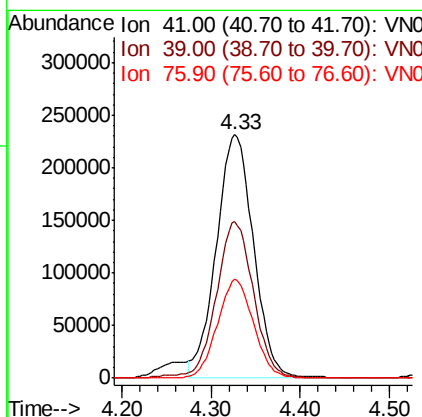
Manual Integrations
APPROVED

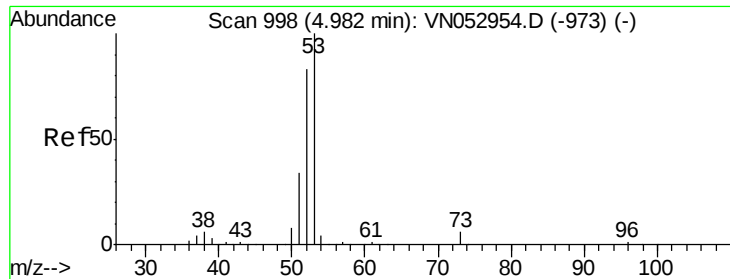
MMDadoda
1/2/2019 9:49:13 AM



#14
Allyl chloride
Concen: 51.295 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion	41	39	76	Ratio	Lower	Upper
667717	100	64.7	39.0		54.1	81.1
					30.3	45.5





#15

Acrylonitrile

Concen: 253.328 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

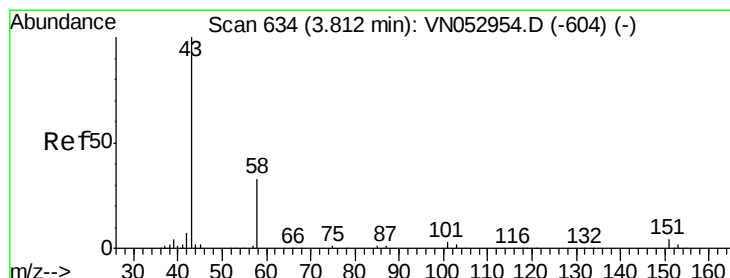
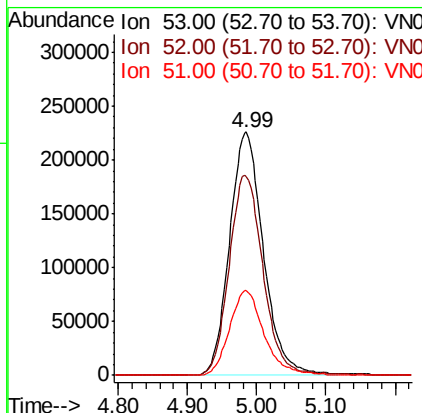
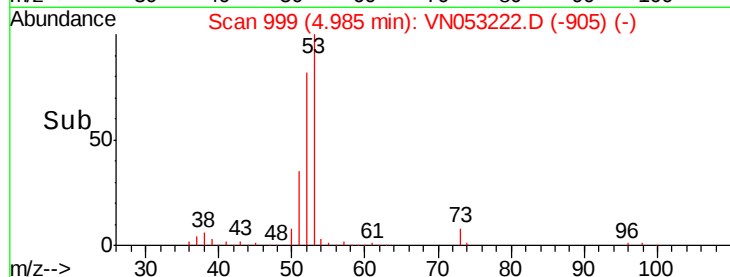
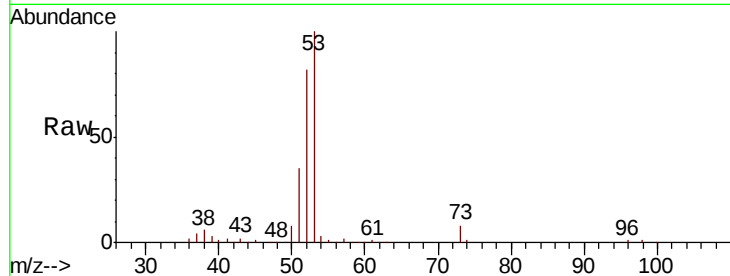
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	768350
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.1	97.7
51	36.0	28.1	42.1

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#16

Acetone

Concen: 264.739 ug/l

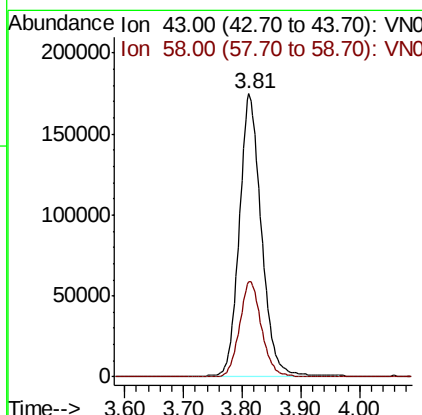
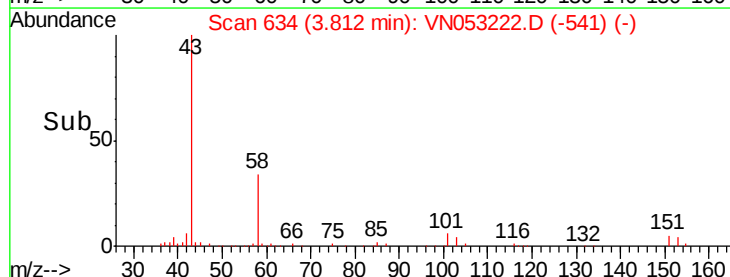
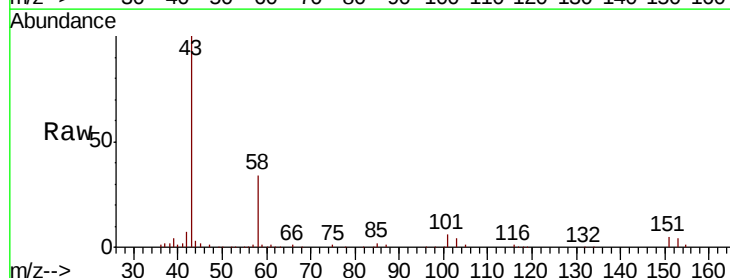
RT: 3.81 min Scan# 634

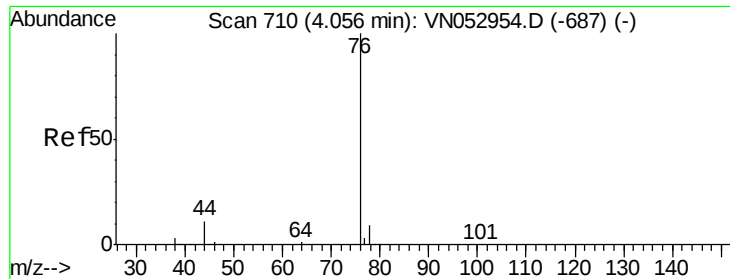
Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Tgt Ion:	43	Resp:	464444
Ion	Ratio	Lower	Upper
43	100		
58	33.5	25.4	38.0





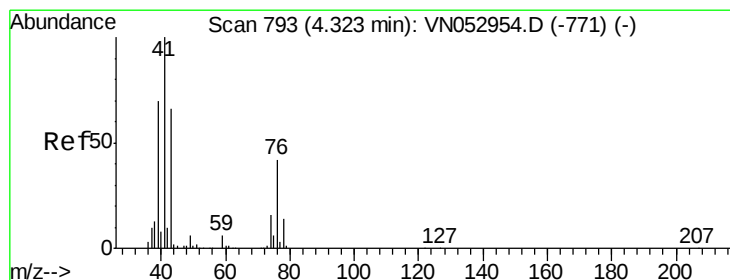
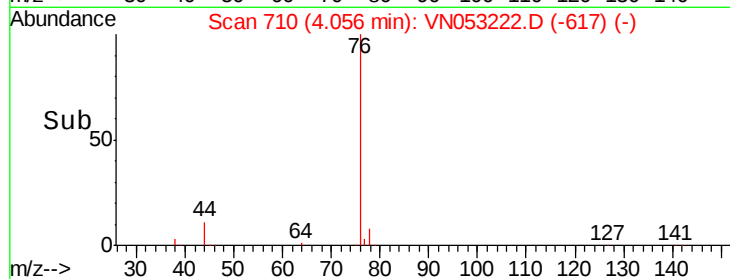
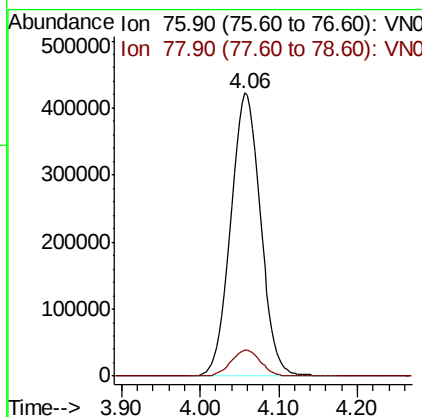
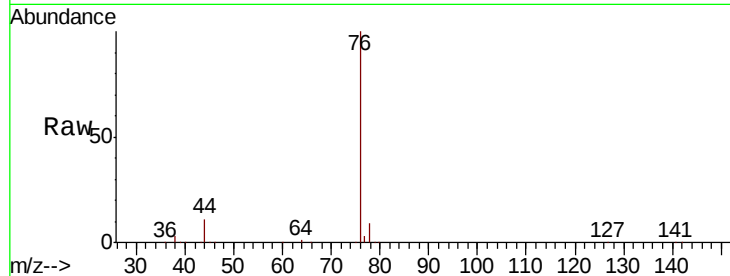
#17
Carbon Disulfide
Concen: 40.783 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1117727
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

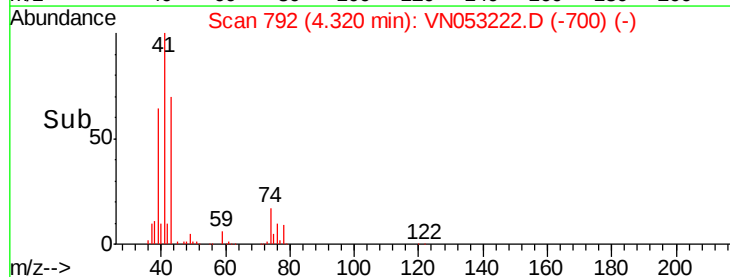
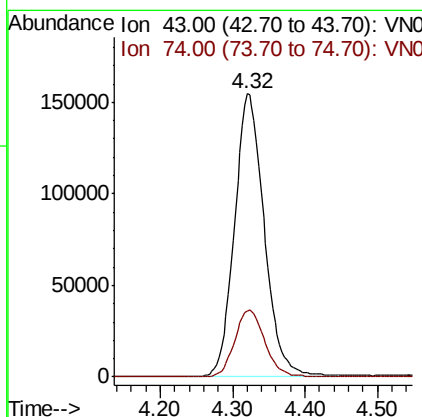
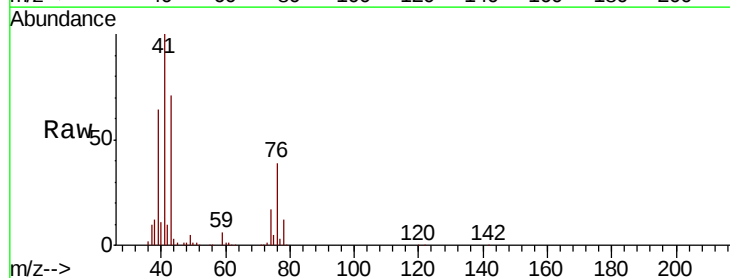
Manual Integrations
APPROVED

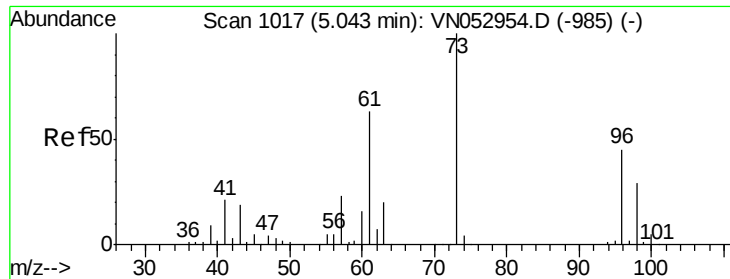
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#18
Methyl Acetate
Concen: 55.169 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion: 43 Resp: 440114
Ion Ratio Lower Upper
43 100
74 24.1 19.2 28.8





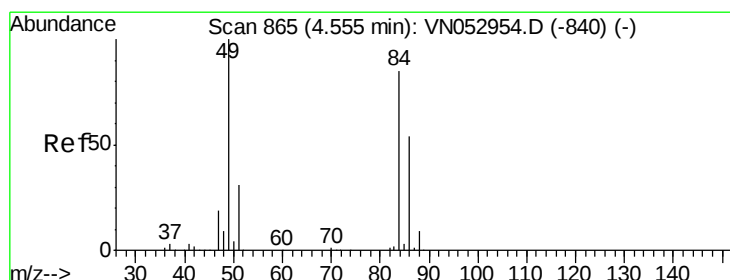
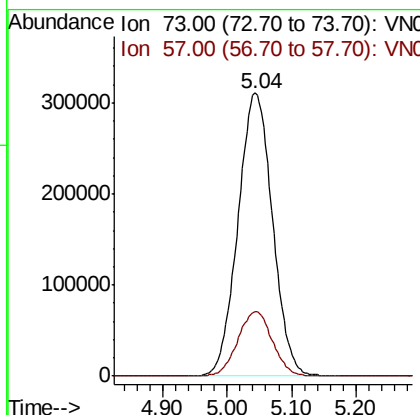
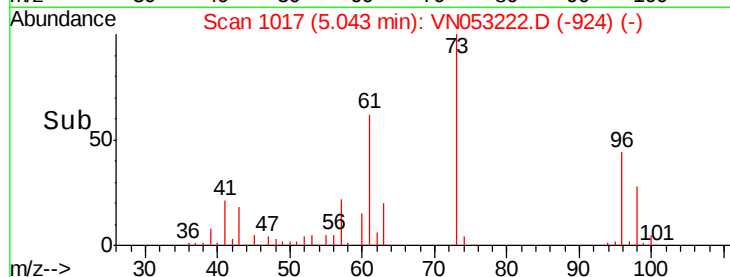
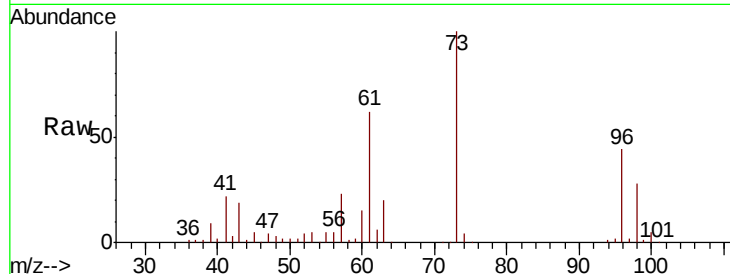
#19
Methyl tert-butyl Ether
Concen: 51.521 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 1158659
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6

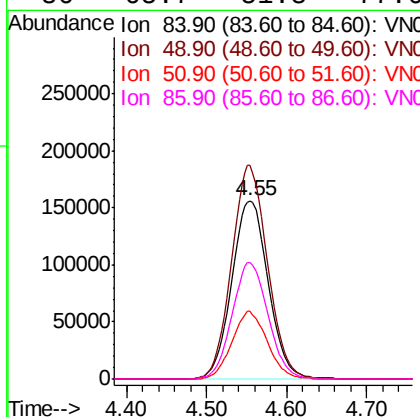
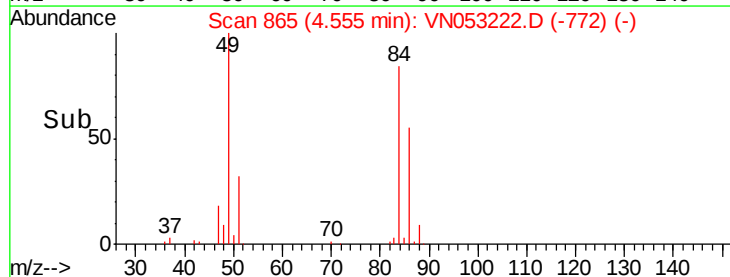
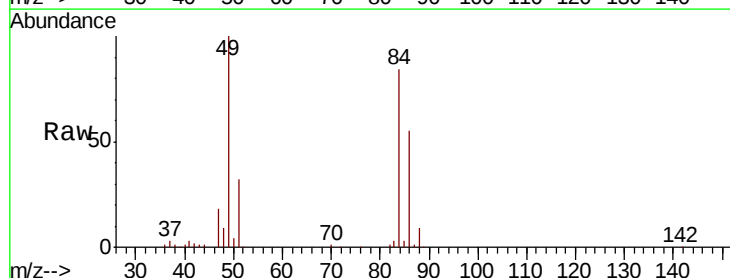
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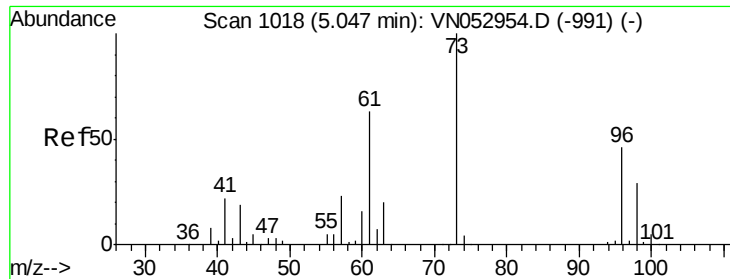
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#20
Methylene Chloride
Concen: 50.357 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion: 84 Resp: 481906
Ion Ratio Lower Upper
84 100
49 119.6 96.8 145.2
51 37.7 29.9 44.9
86 65.7 51.8 77.6





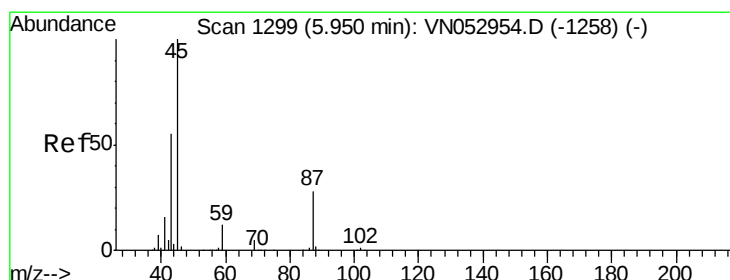
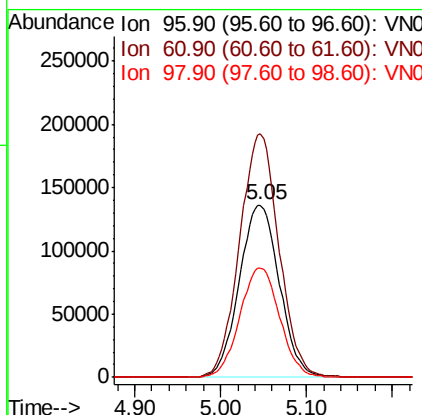
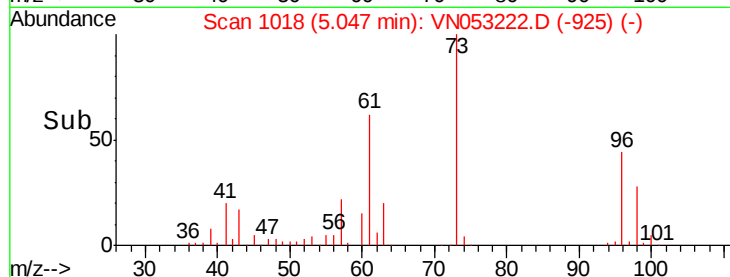
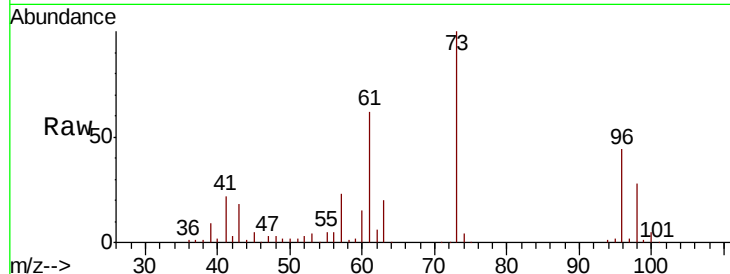
#21
trans-1,2-Dichloroethene
Concen: 49.018 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.3	110.8	166.2
98	63.7	51.4	77.2

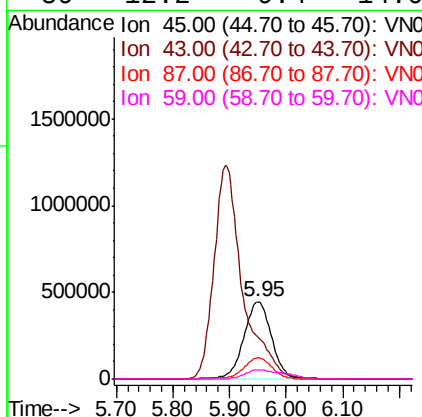
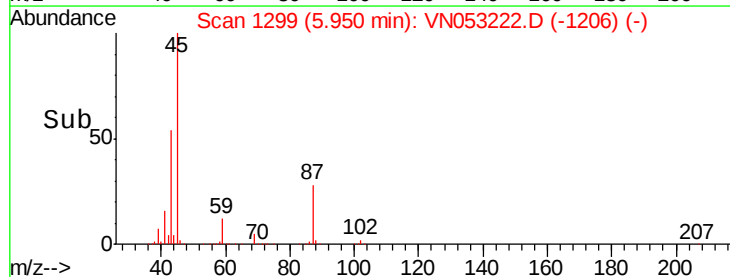
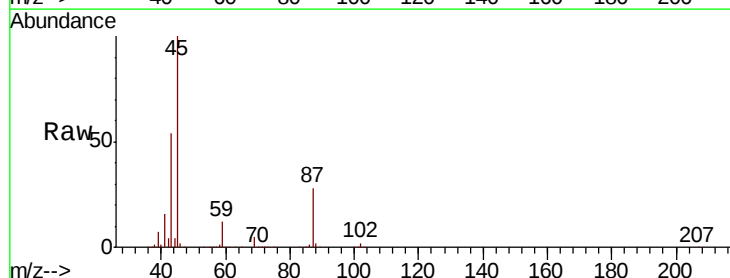
Manual Integrations
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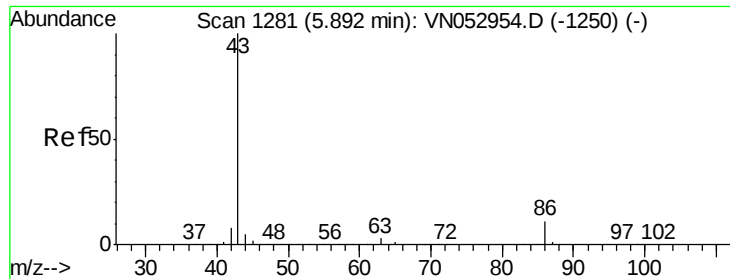
MMDadoda
1/2/2019 9:49:13 AM



#22
Diisopropyl ether
Concen: 54.269 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.7	45.5	68.3
87	27.5	22.0	33.0
59	12.2	9.4	14.0





#23

Vinyl Acetate

Concen: 270.780 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 4326375

Ion Ratio Lower Upper

43 100

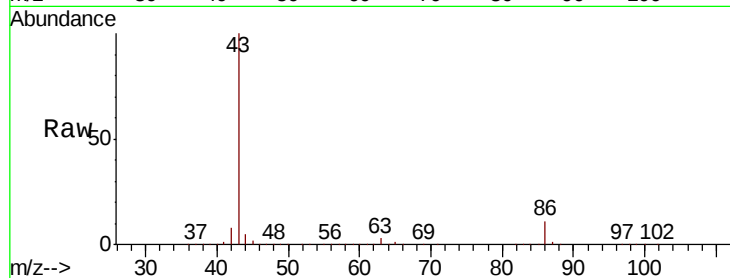
86 10.7 8.1 12.1

Manual Integrations

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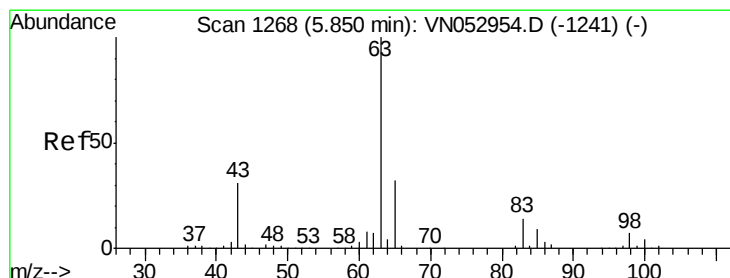
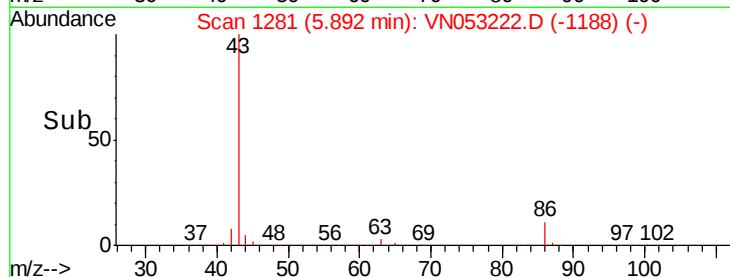
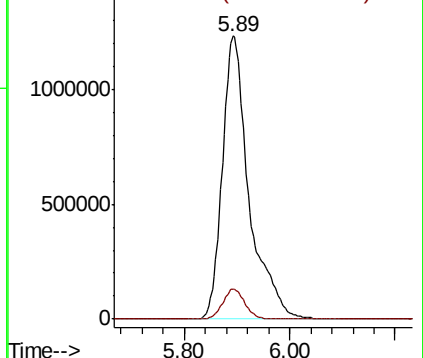
MMDadoda

1/2/2019 9:49:13 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.848 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

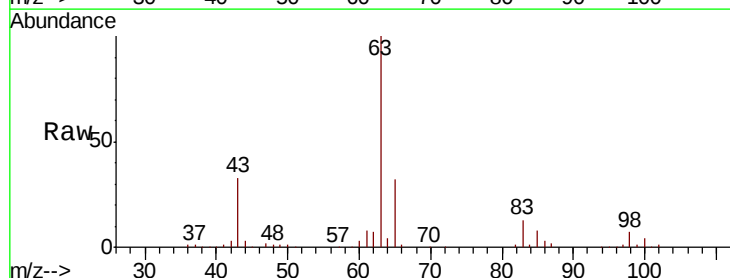
Tgt Ion: 63 Resp: 856053

Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.4

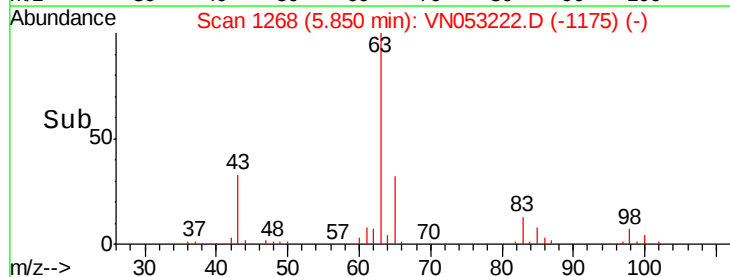
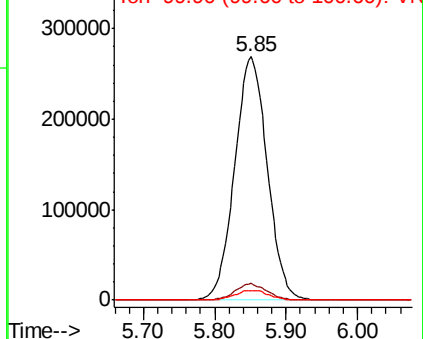
100 4.0 2.0 5.8

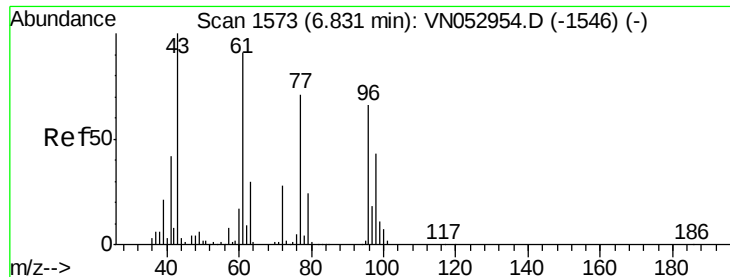


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





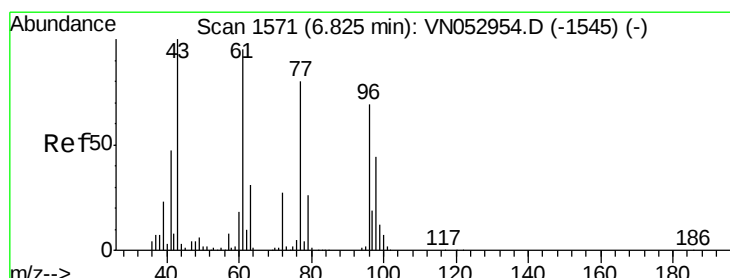
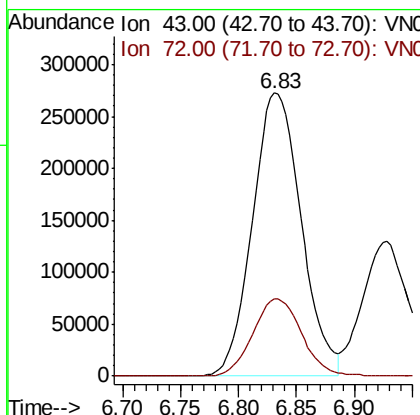
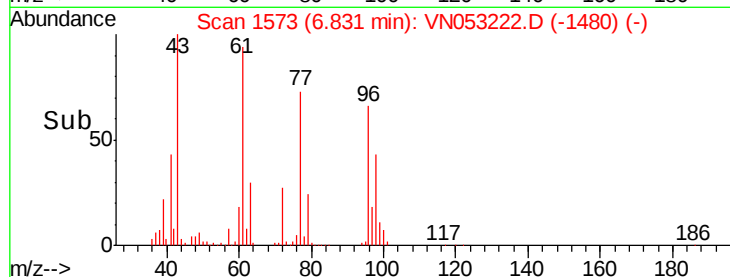
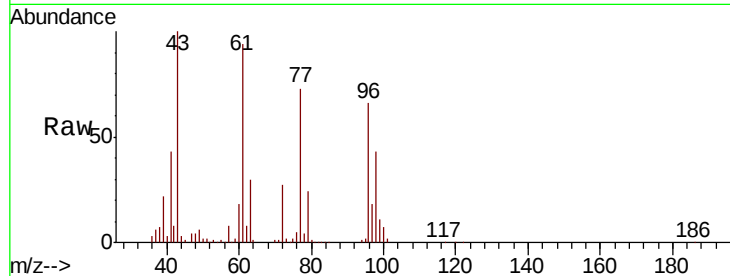
#25
2-Butanone
Concen: 270.349 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 795968
Ion Ratio Lower Upper
43 100
72 27.3 21.0 31.6

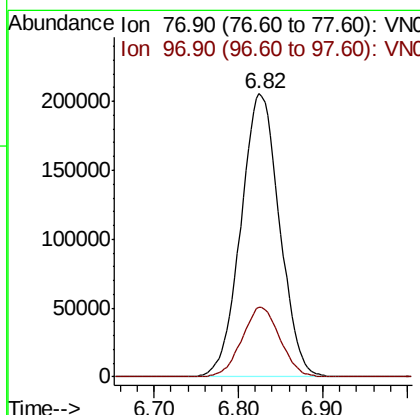
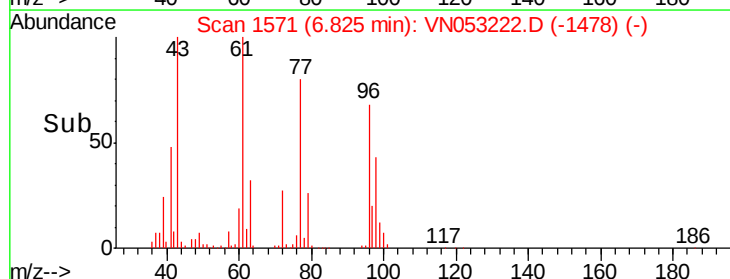
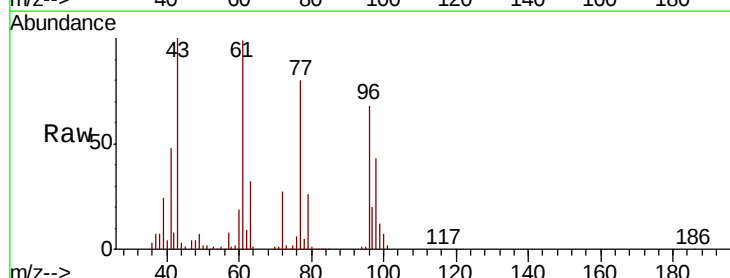
Manual Integrations
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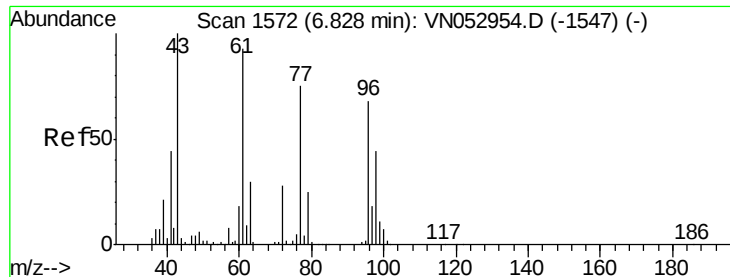
MMDadoda
1/2/2019 9:49:13 AM



#26
2,2-Dichloropropane
Concen: 51.913 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion: 77 Resp: 654297
Ion Ratio Lower Upper
77 100
97 24.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 51.040 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

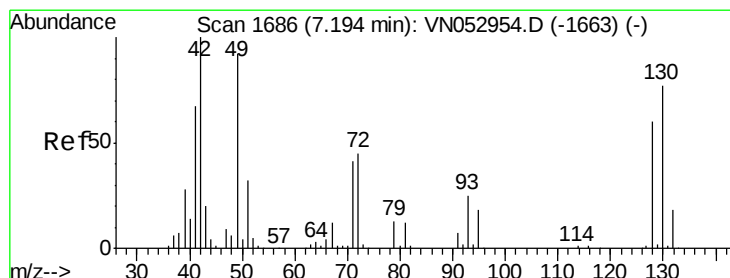
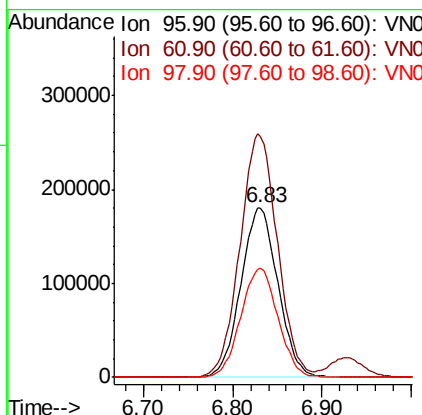
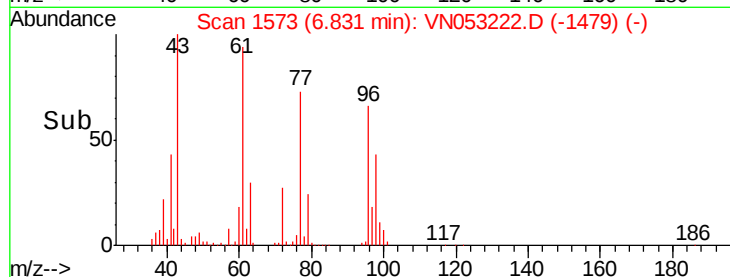
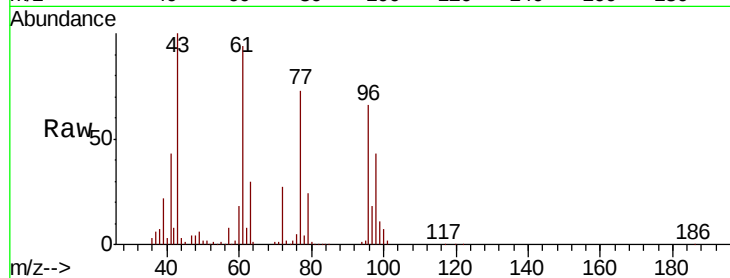
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	521726
Ion	Ratio	Lower	Upper
96	100		
61	144.9	0.0	284.2
98	64.8	0.0	129.2

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#28

Bromochloromethane

Concen: 50.271 ug/l

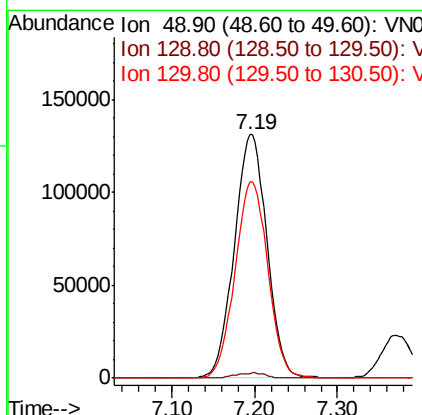
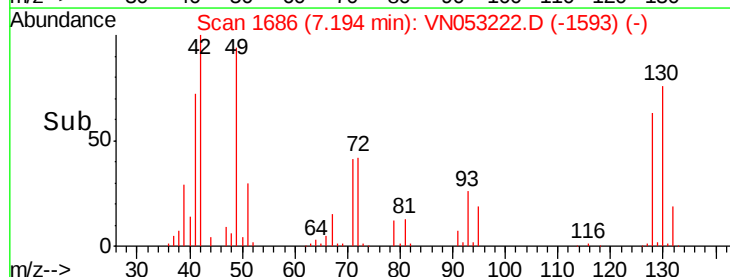
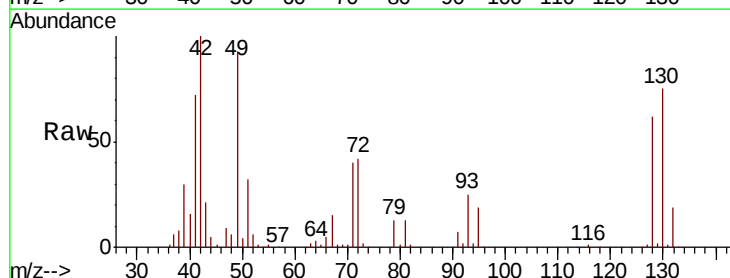
RT: 7.19 min Scan# 1686

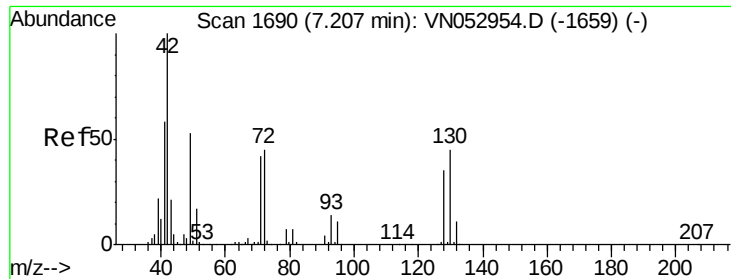
Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Tgt Ion:	49	Resp:	359666
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	81.0	63.3	94.9





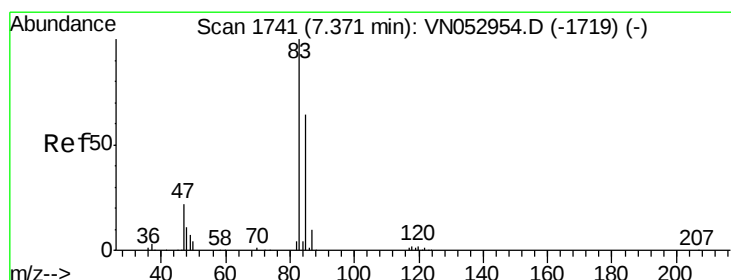
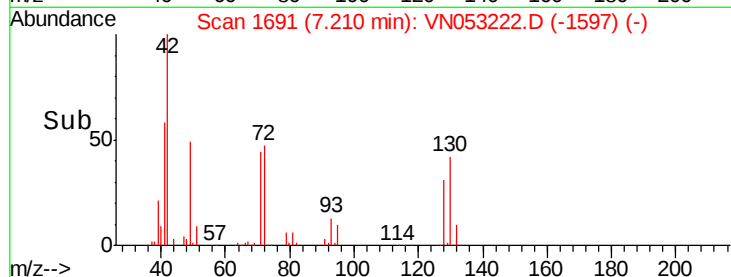
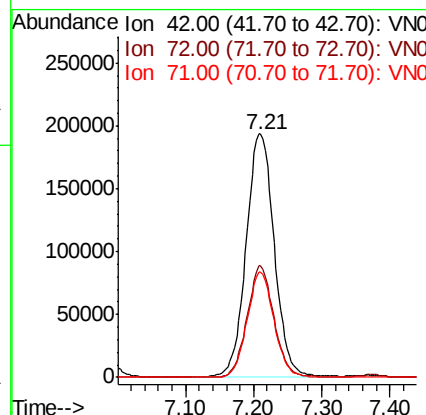
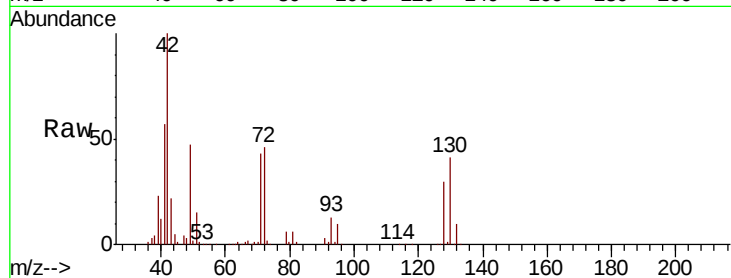
#29
Tetrahydrofuran
Concen: 252.690 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.7	52.1
71	41.1	32.3	48.5

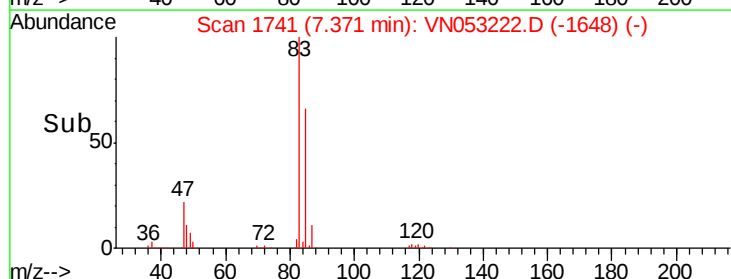
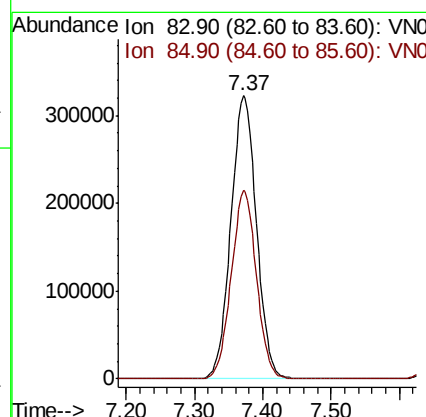
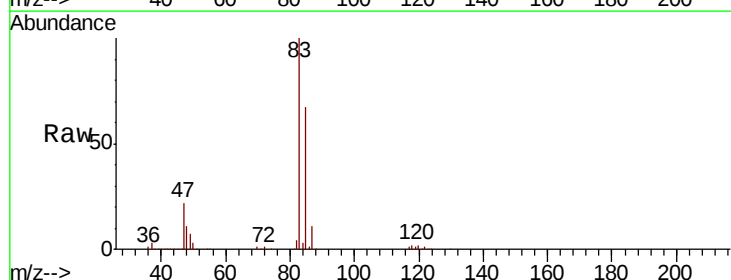
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#30
Chloroform
Concen: 51.796 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.1	78.1





#31

Cyclohexane

Concen: 50.301 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 778817
Ion Ratio Lower Upper

56 100

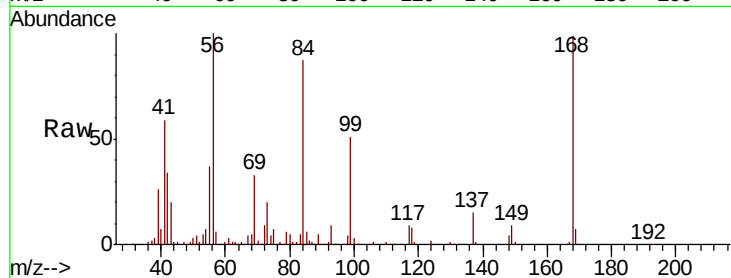
69 33.0 26.6 39.8

84 85.6 68.4 102.6

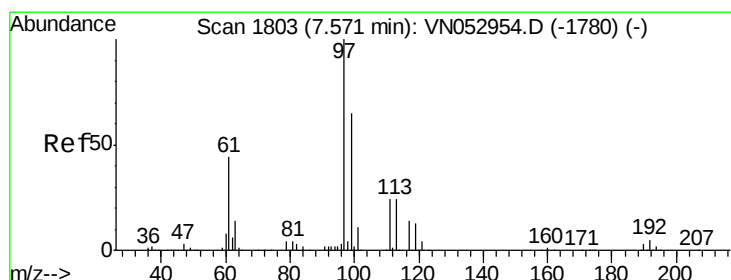
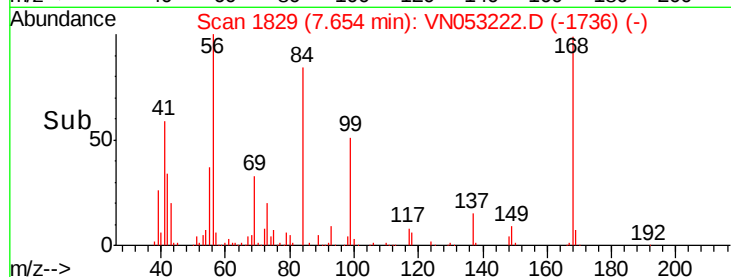
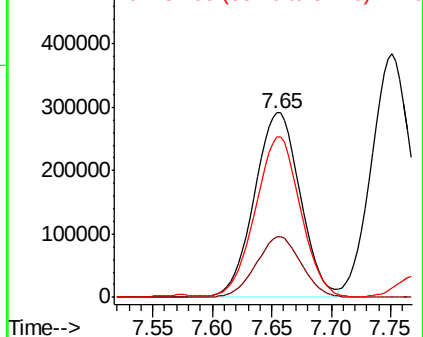
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 50.613 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053222.D

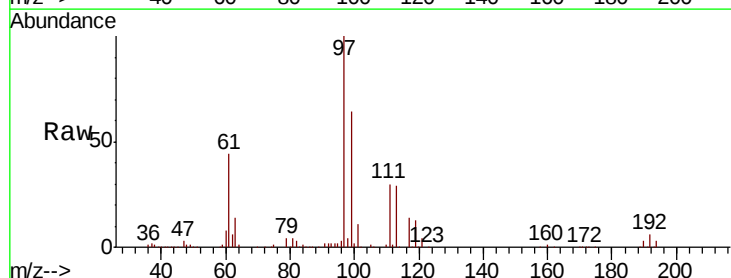
Acq: 28 Dec 2018 13:54

Tgt Ion: 97 Resp: 699322
Ion Ratio Lower Upper

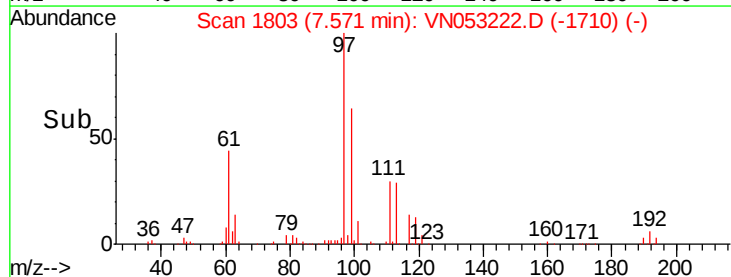
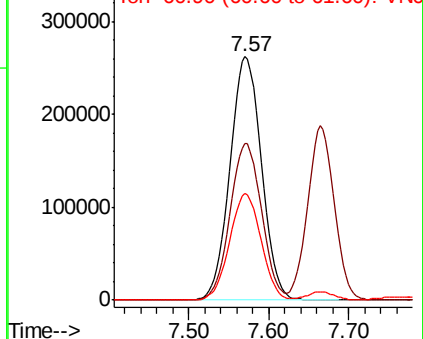
97 100

99 64.6 51.1 76.7

61 43.8 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





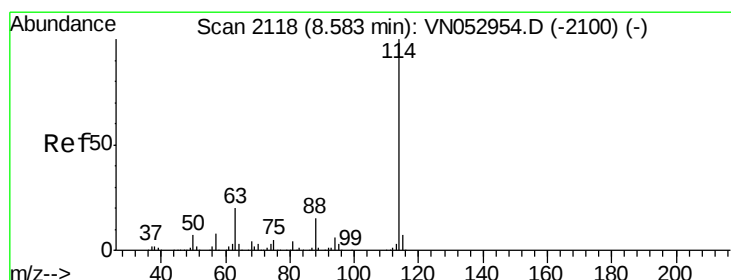
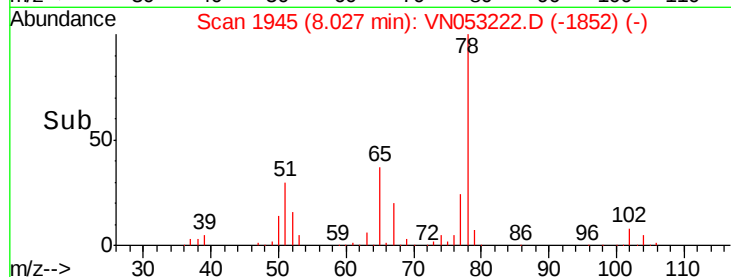
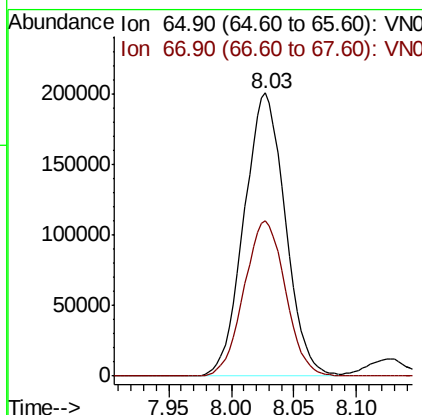
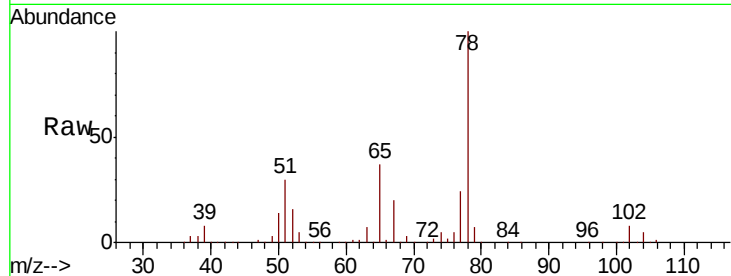
#33
 1,2-Dichloroethane-d4
 Concen: 50.613 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053222.D
 Acq: 28 Dec 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	460366		
67	55.0	0.0	110.4	

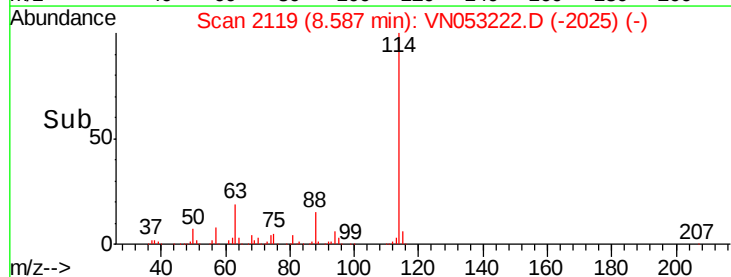
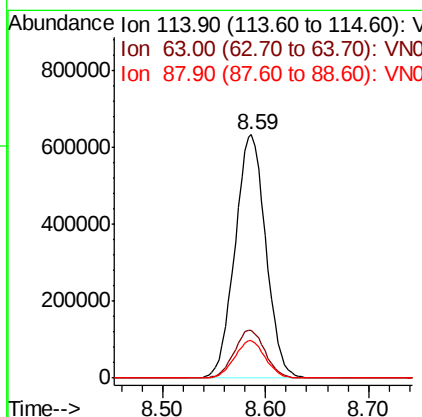
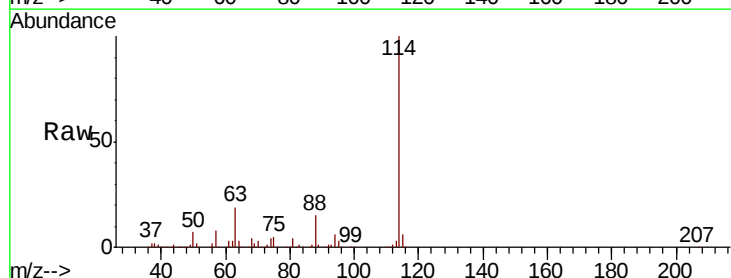
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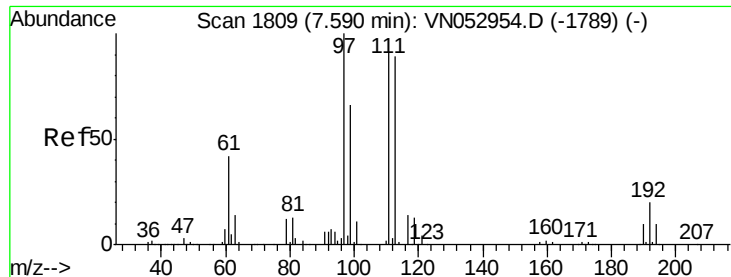
MMDadoda
 1/2/2019 9:49:13 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053222.D
 Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1318287		
63	19.4	0.0	39.8	
88	15.4	0.0	31.0	





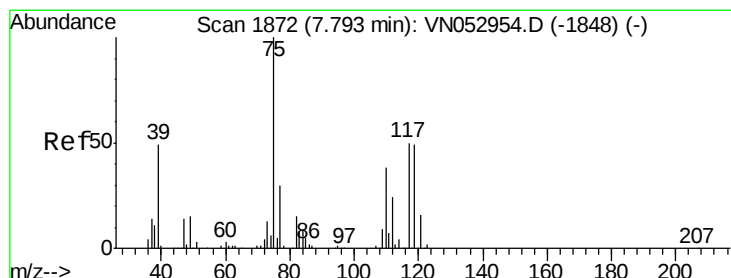
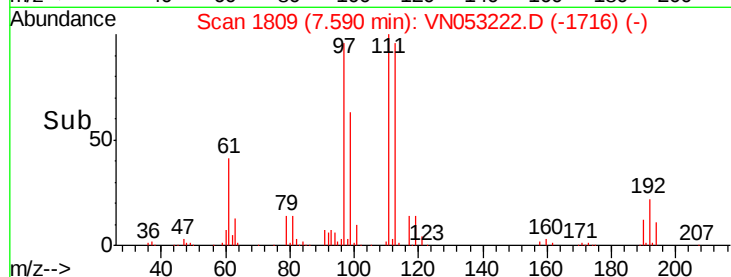
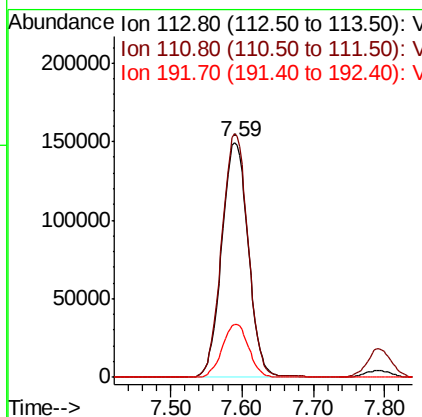
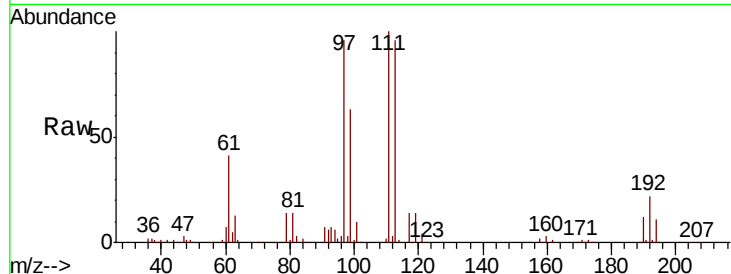
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	387269		
111	102.2	83.0	124.4	
192	22.4	17.5	26.3	

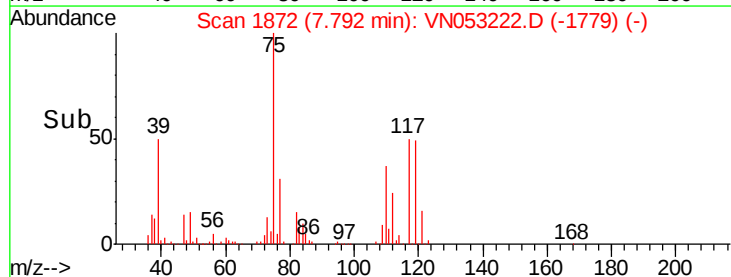
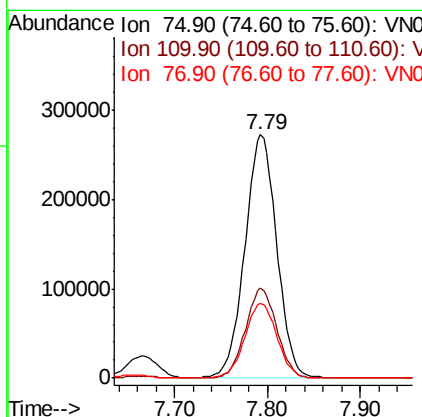
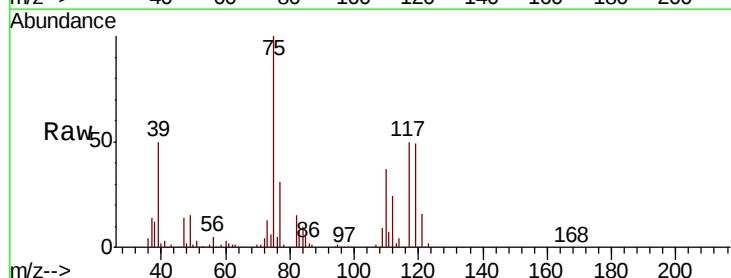
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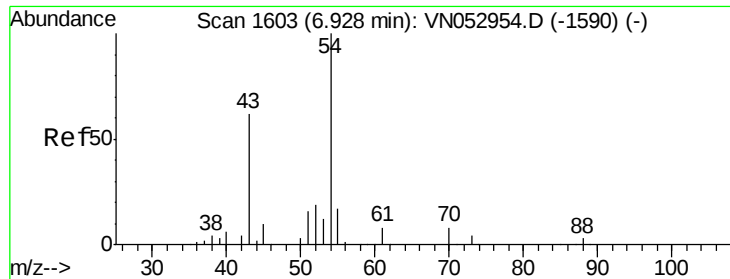
MMDadoda
1/2/2019 9:49:13 AM



#36
1,1-Dichloropropene
Concen: 51.227 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	648190		
110	36.5	18.2	54.6	
77	31.4	24.9	37.3	





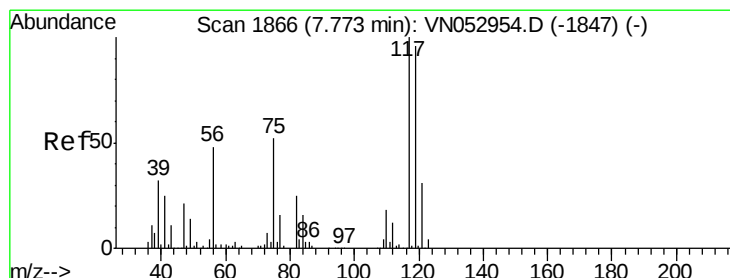
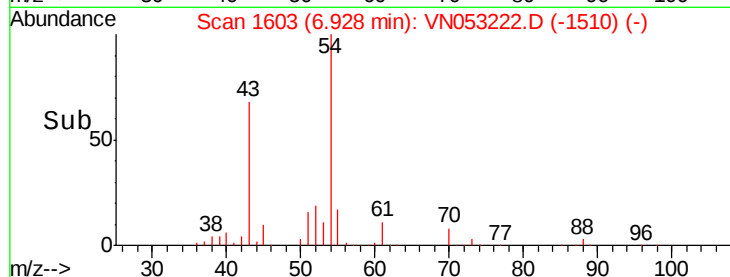
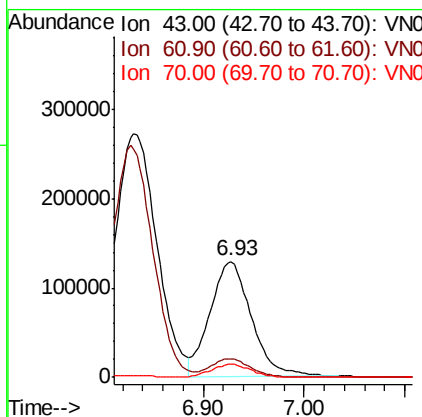
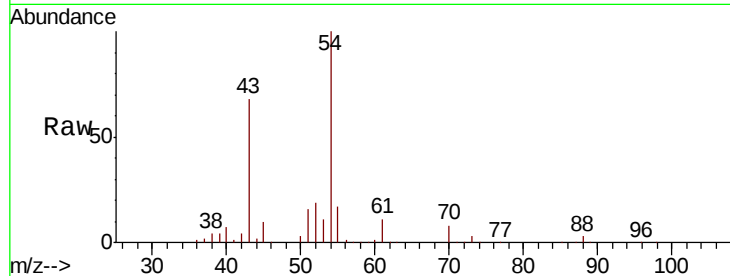
#37
Ethyl Acetate
Concen: 51.961 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.6
70	11.0	8.4	12.6

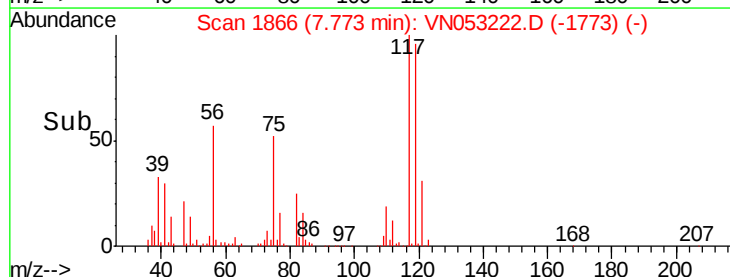
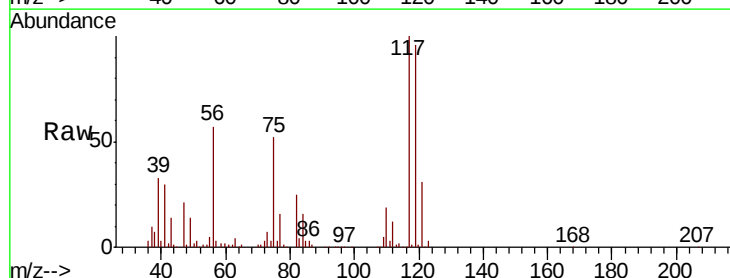
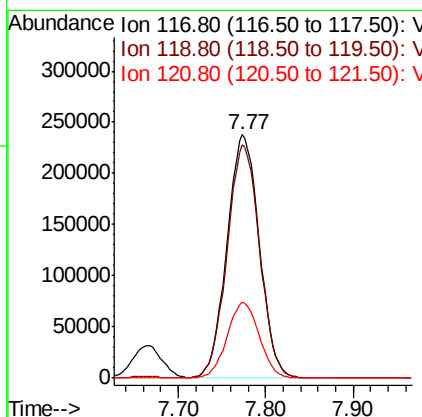
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#38
Carbon Tetrachloride
Concen: 52.420 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.1	115.7
121	31.3	24.9	37.3





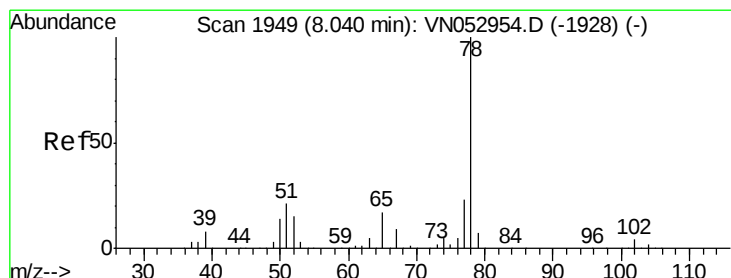
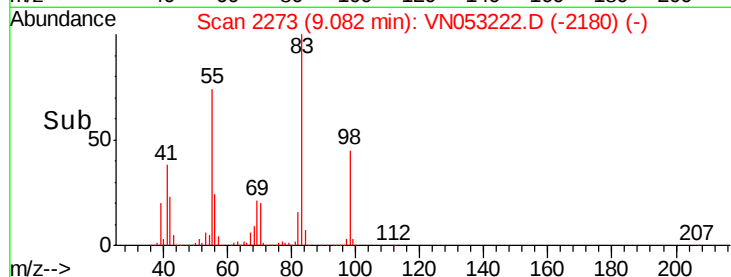
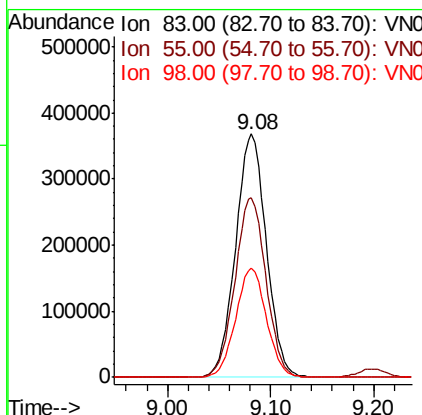
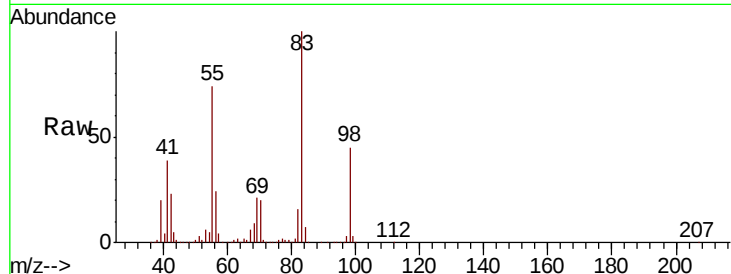
#39
Methvlcvclohexane
Concen: 49.755 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.6	61.3	91.9
98	44.9	37.0	55.4

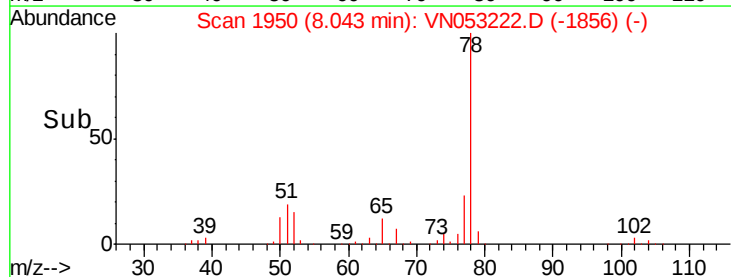
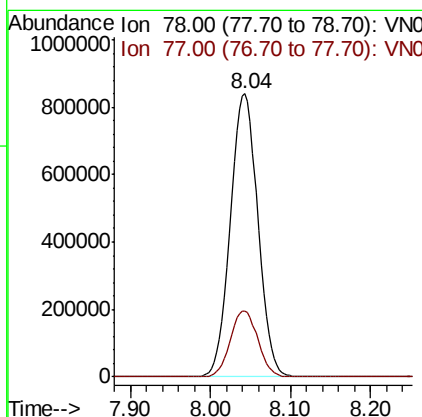
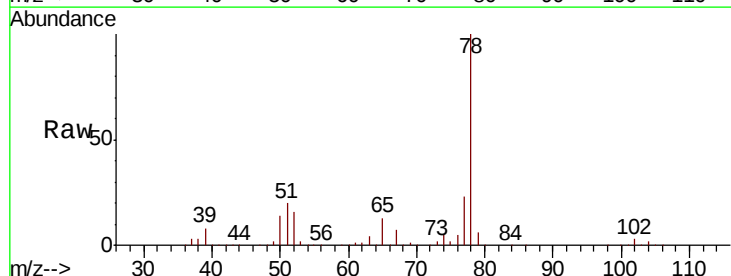
Manual Integrations
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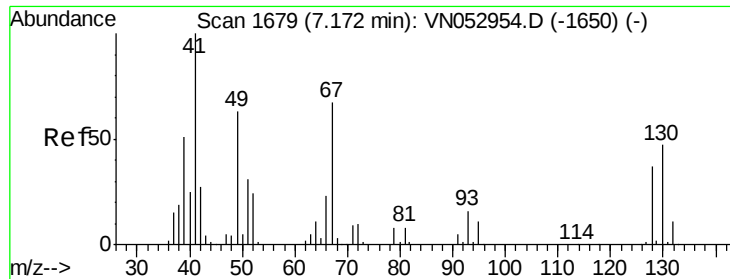
MMDadoda
1/2/2019 9:49:13 AM



#40
Benzene
Concen: 52.137 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.5	27.7





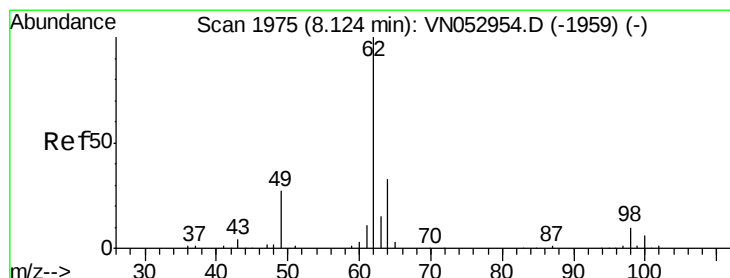
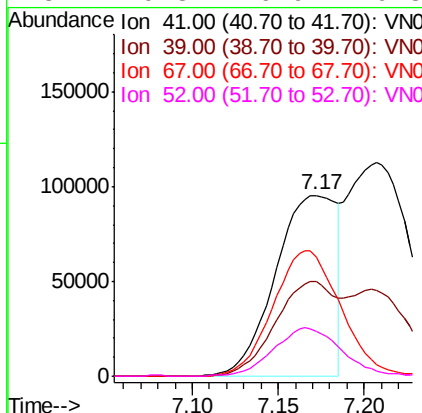
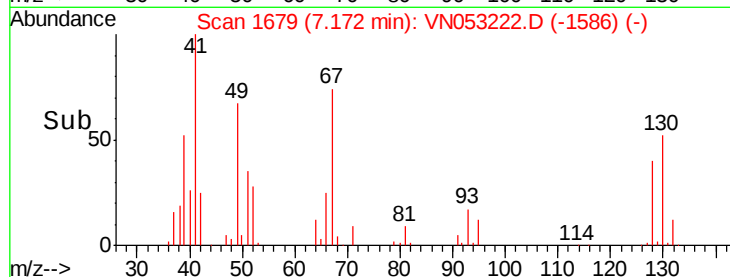
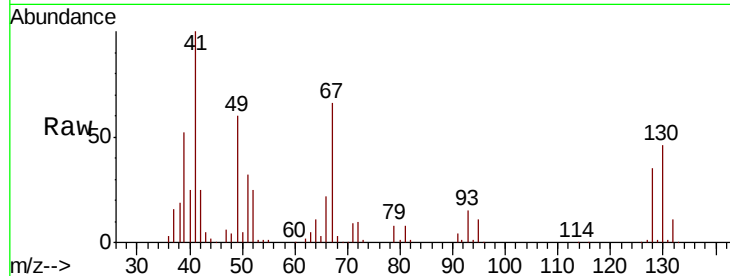
#41
Methacrylonitrile
Concen: 57.391 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	234231
Ion	Ratio	Lower	Upper
41	100		
39	54.4	48.0	72.0
67	77.8	70.3	105.5
52	29.8	26.9	40.3

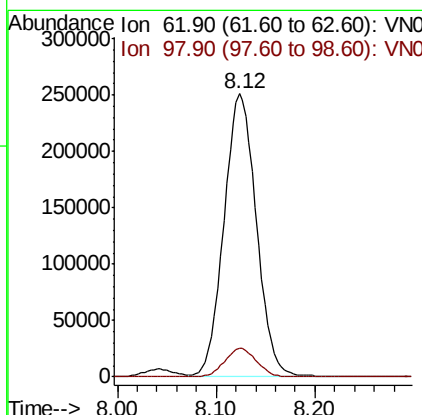
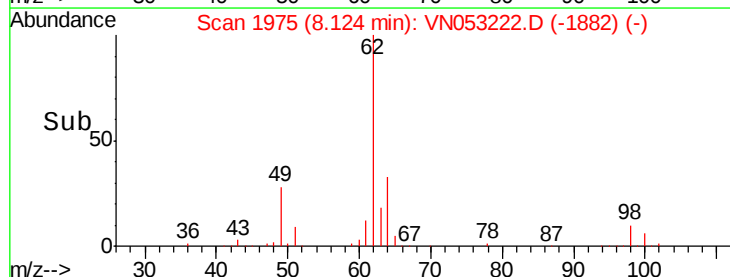
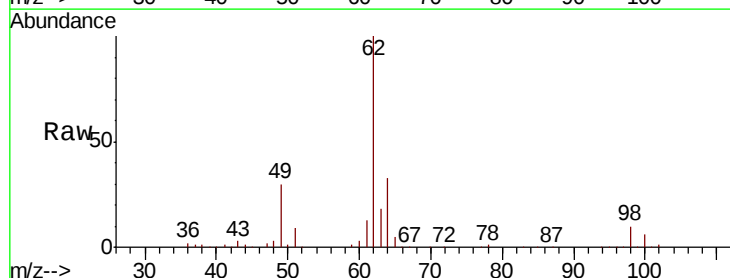
Manual Integrations
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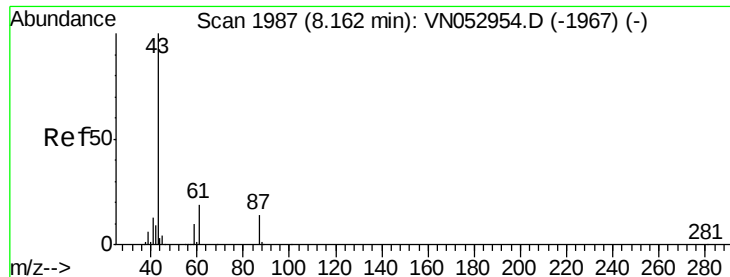
MMDadoda
1/2/2019 9:49:13 AM



#42
1,2-Dichloroethane
Concen: 51.646 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion	62	Resp	574228
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0





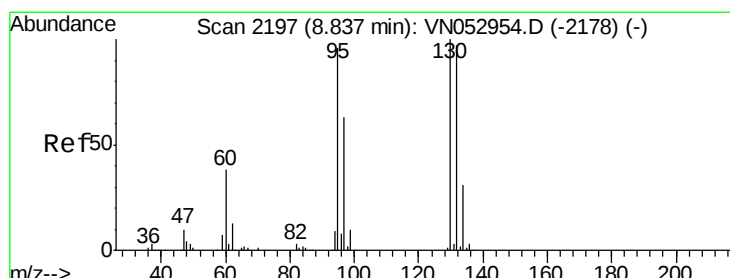
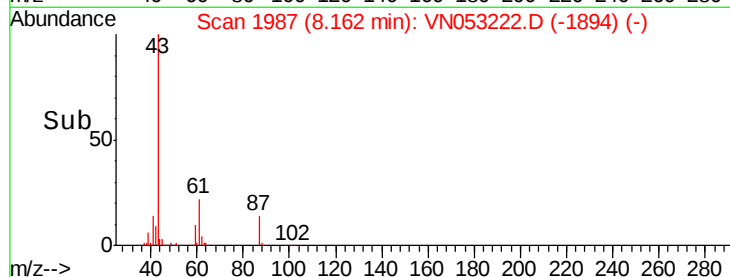
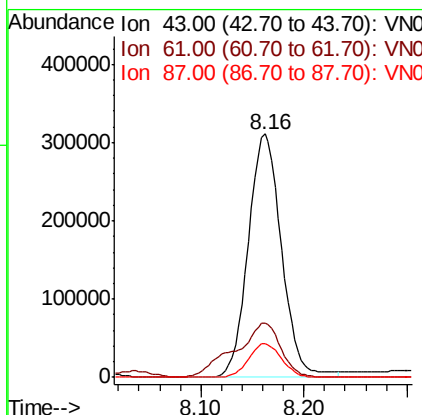
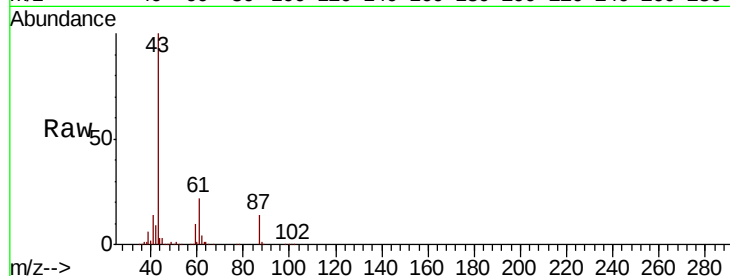
#43
Isopropyl Acetate
Concen: 50.796 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.5	22.9	34.3
87	13.8	10.6	15.8

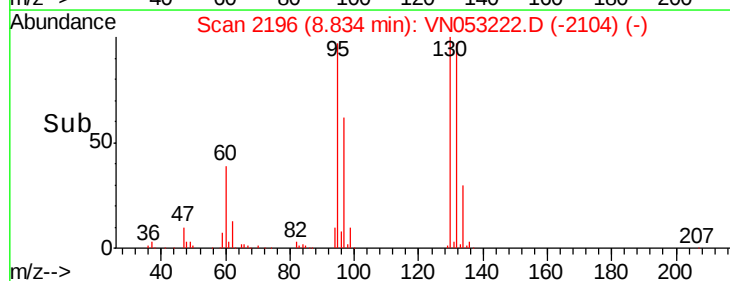
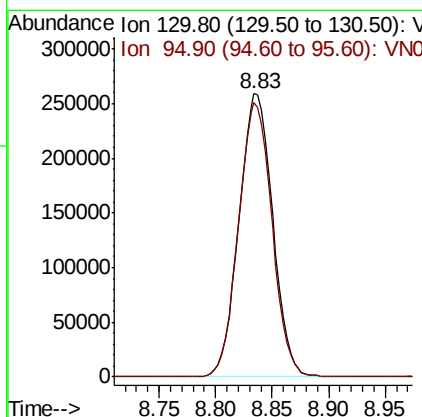
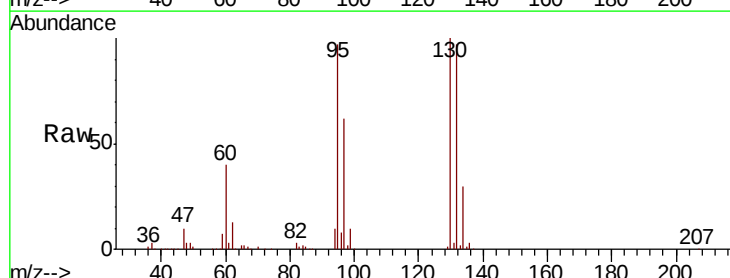
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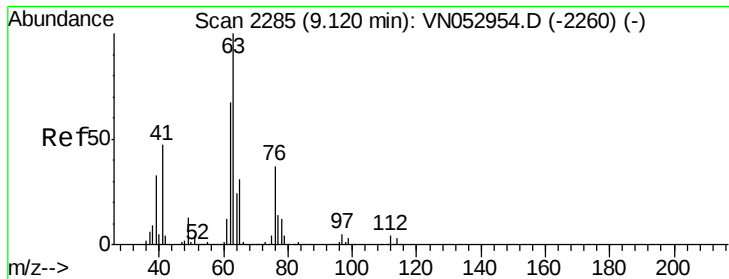
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#44
Trichloroethene
Concen: 49.328 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	197.8





#45

1,2-Dichloropropane

Concen: 53.765 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 527075

Ion Ratio Lower Upper

63 100

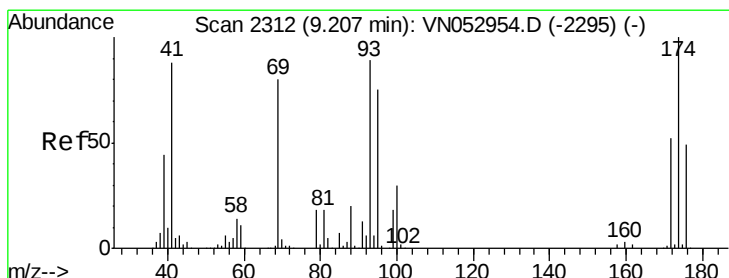
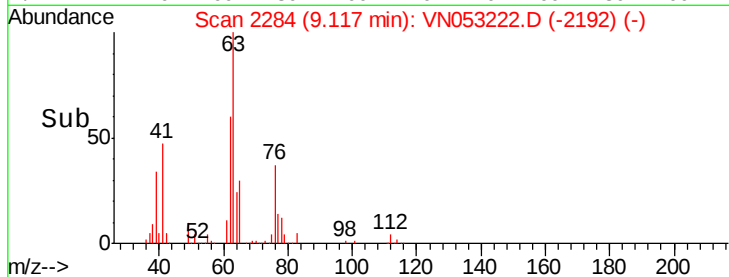
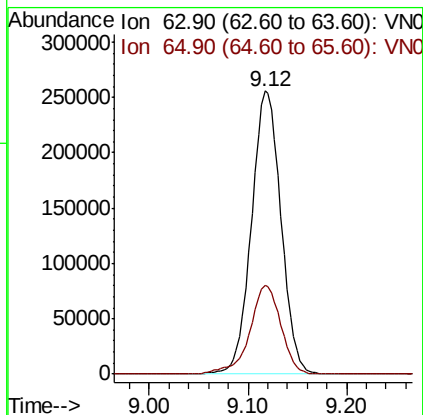
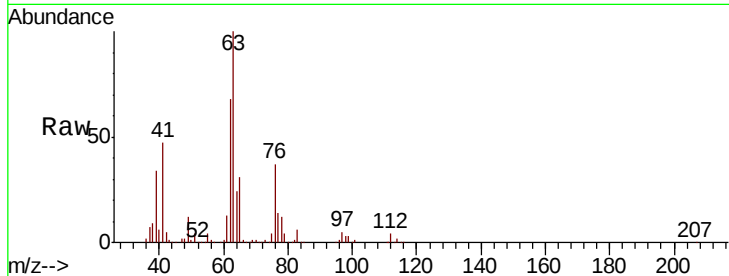
65 31.4 24.6 37.0

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#46

Dibromomethane

Concen: 51.258 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

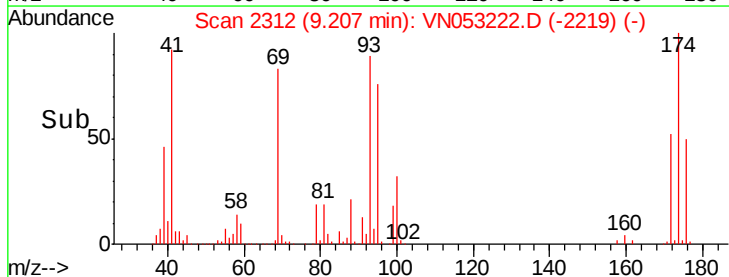
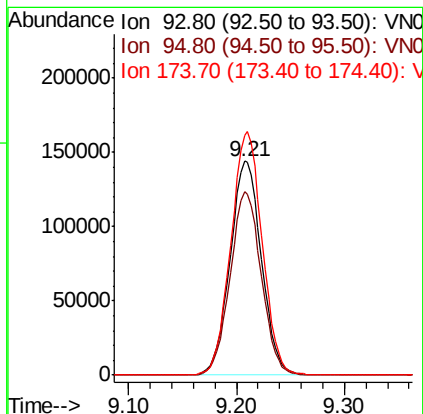
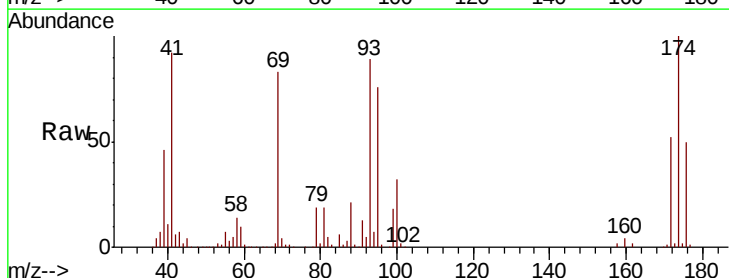
Tgt Ion: 93 Resp: 292726

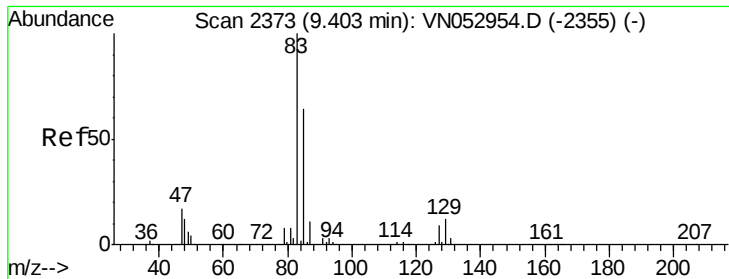
Ion Ratio Lower Upper

93 100

95 84.9 67.8 101.6

174 113.5 89.0 133.4





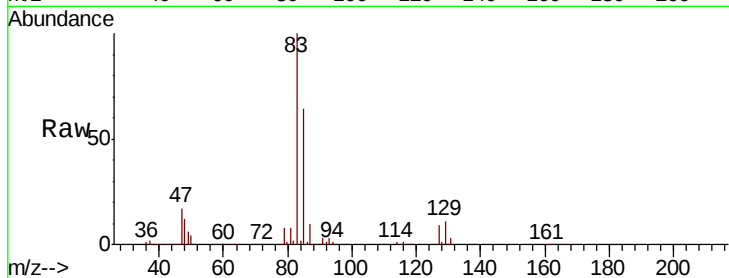
#47
Bromodichloromethane
Concen: 53.089 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

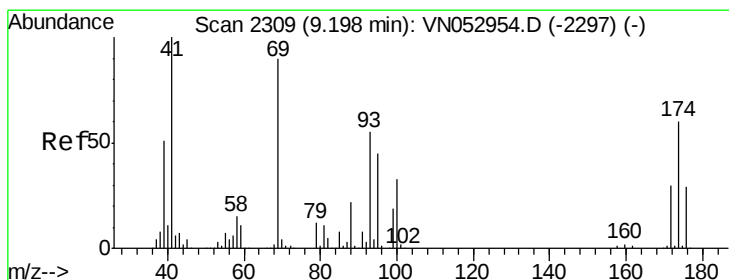
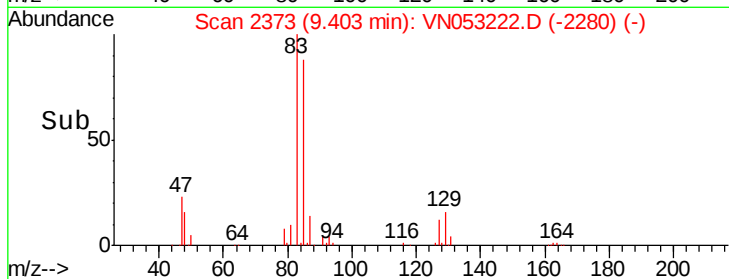
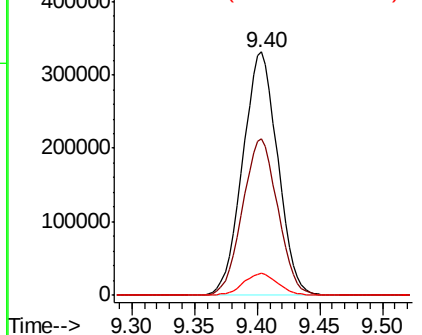
Tot Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.6	77.4
127	8.9	7.1	10.7

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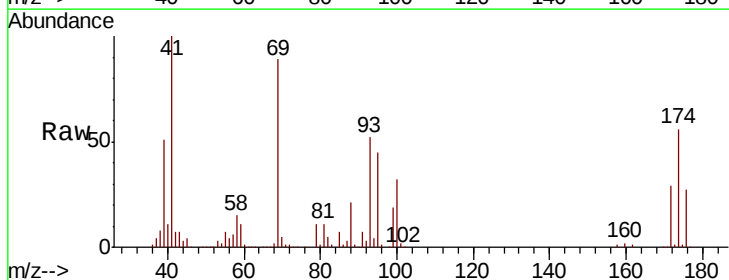


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

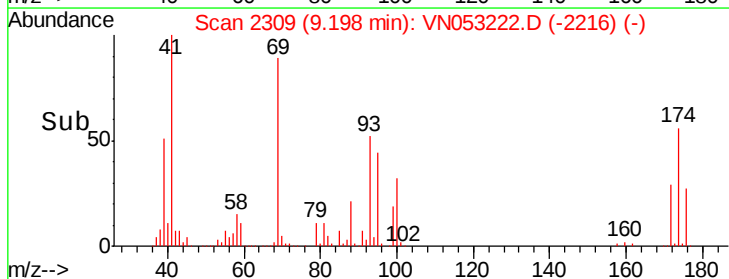
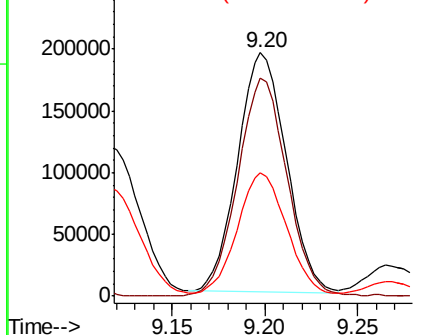


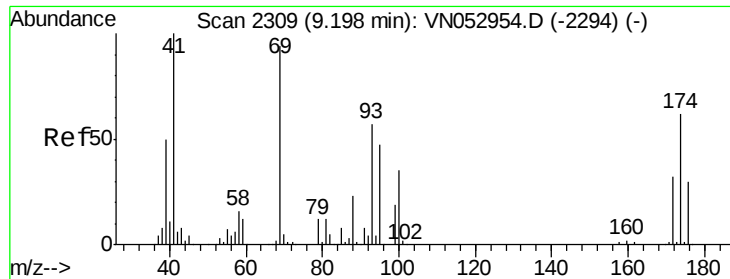
#48
Methyl methacrylate
Concen: 51.531 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.0	72.2	108.2
39	52.5	41.9	62.9



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





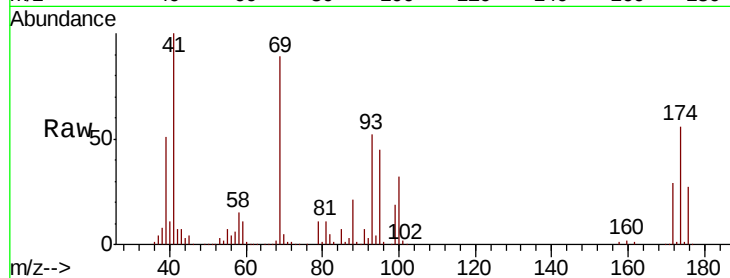
#49
1,4-Dioxane
Concen: 981.270 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

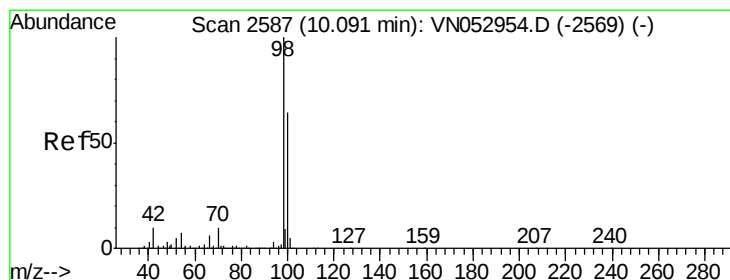
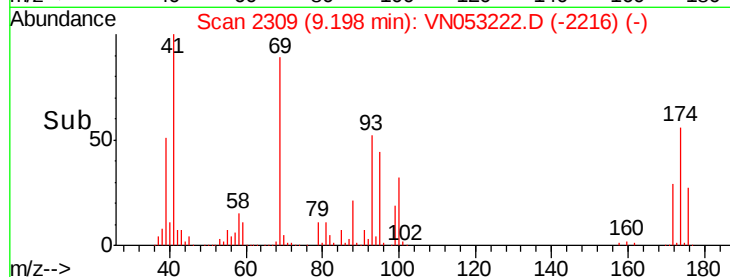
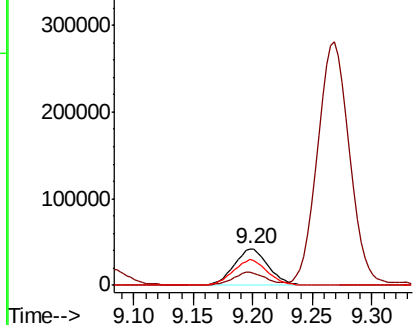
Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	26.6	40.0
58	69.5	58.4	87.6

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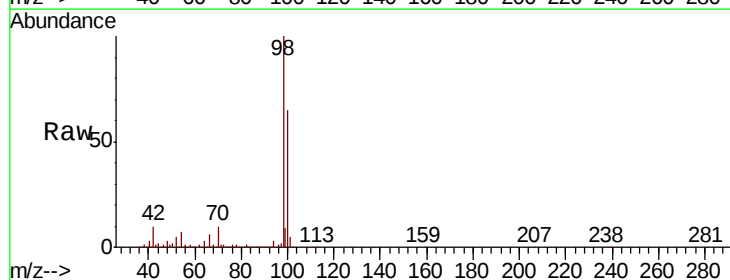


Abundance Ion 88.00 (87.70 to 88.70): VN053222.D (-2216) (-)
Ion 43.00 (42.70 to 43.70): VN053222.D (-2216) (-)
Ion 58.00 (57.70 to 58.70): VN053222.D (-2216) (-)

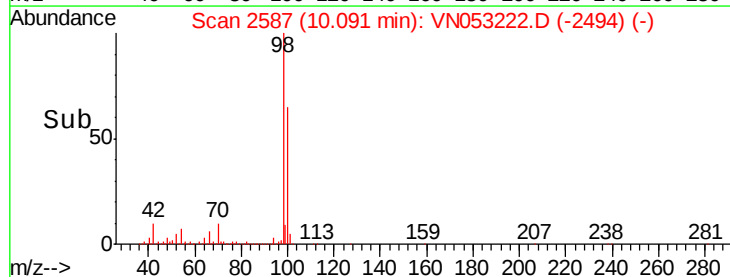
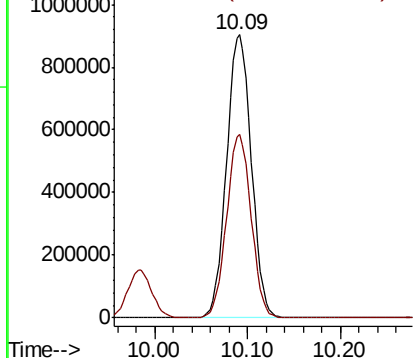


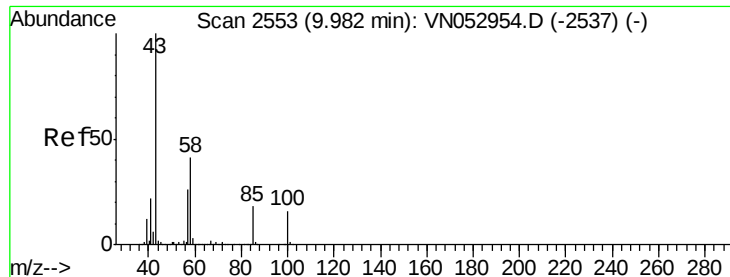
#50
Toluene-d8
Concen: 981.270 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053222.D (-2494) (-)
Ion 100.00 (99.70 to 100.70): VN053222.D (-2494) (-)





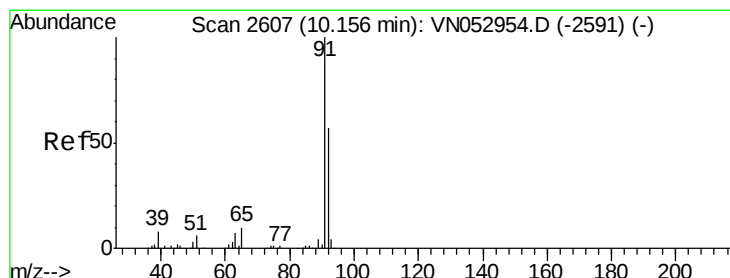
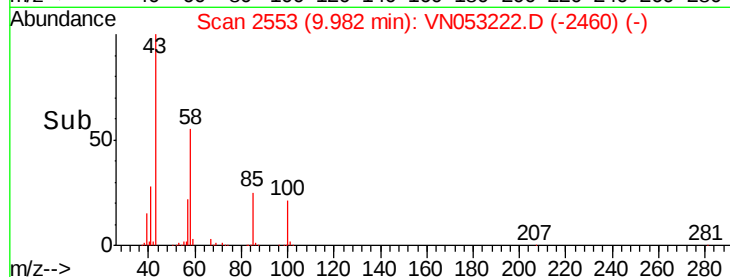
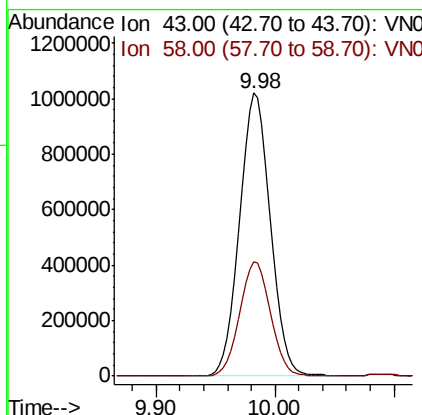
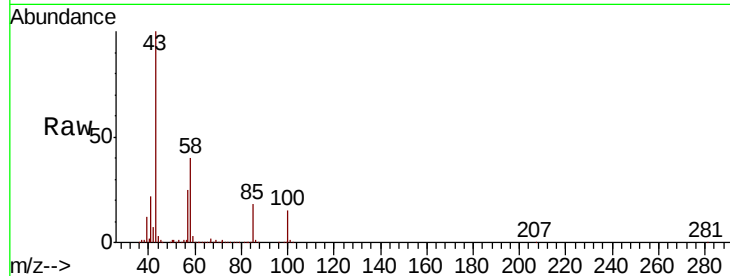
#51
 4-Methyl-2-Pentanone
 Concen: 267.223 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053222.D
 Acq: 28 Dec 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1827972
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.2 48.4

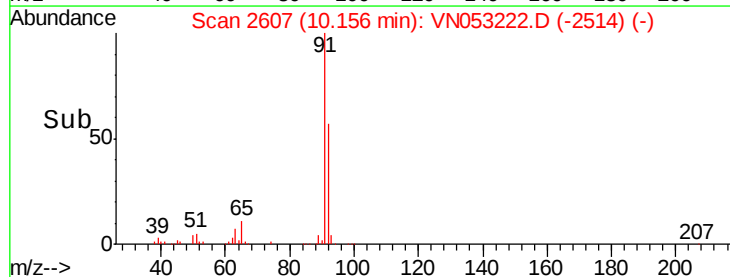
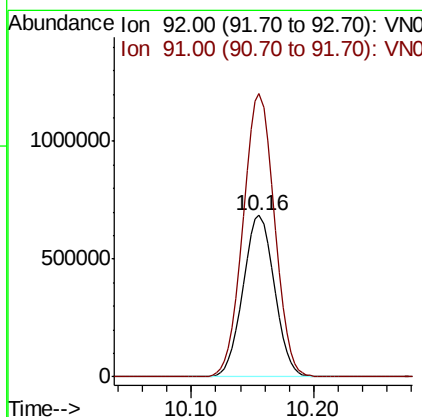
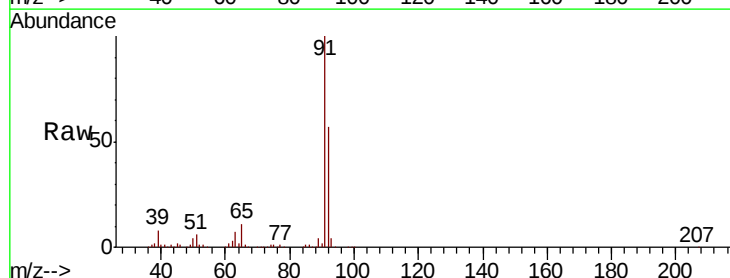
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#52
 Toluene
 Concen: 52.077 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053222.D
 Acq: 28 Dec 2018 13:54

Tgt Ion: 92 Resp: 1214876
 Ion Ratio Lower Upper
 92 100
 91 175.1 139.8 209.6





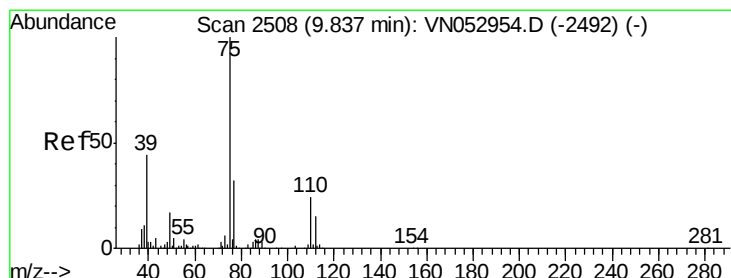
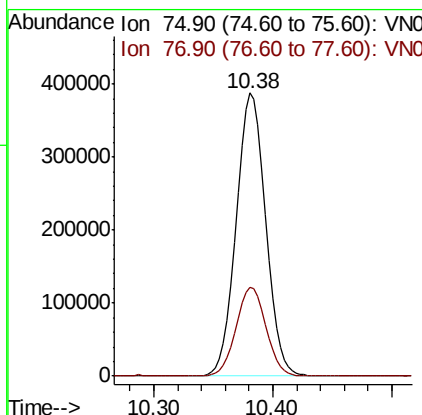
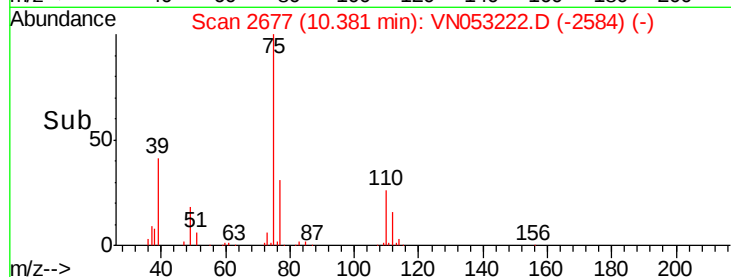
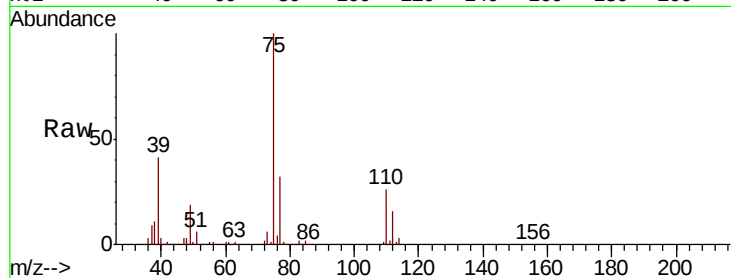
#53
t-1,3-Dichloropropene
Concen: 52.103 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.6	38.4

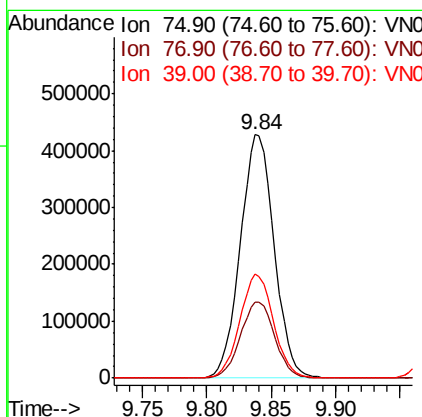
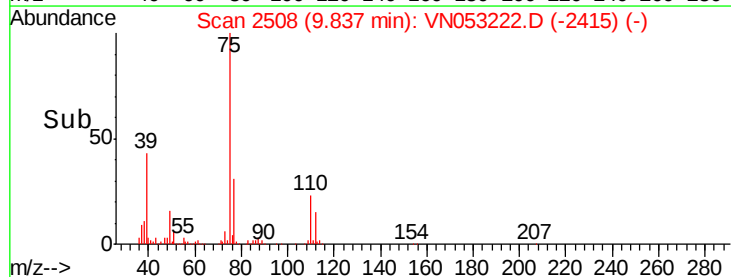
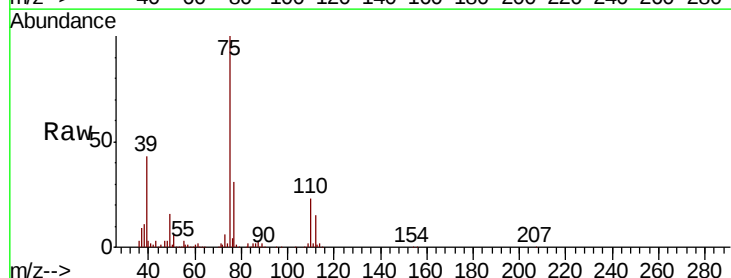
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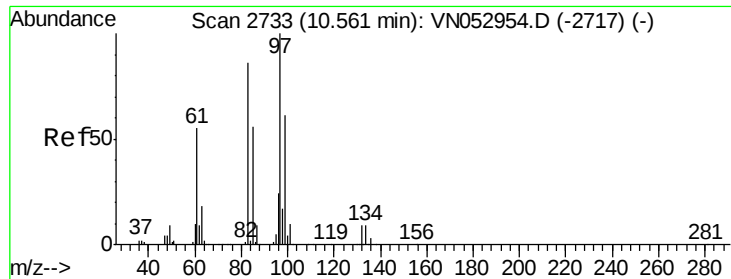
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#54
cis-1,3-Dichloropropene
Concen: 53.344 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.8	38.8
39	42.5	34.8	52.2





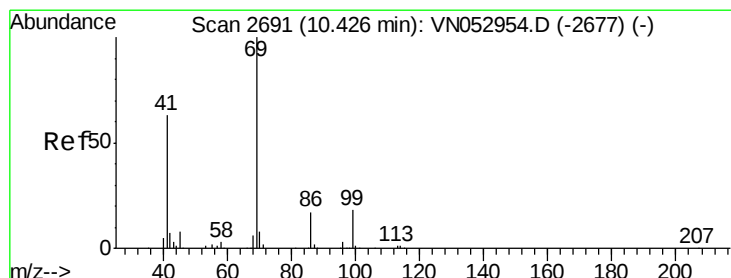
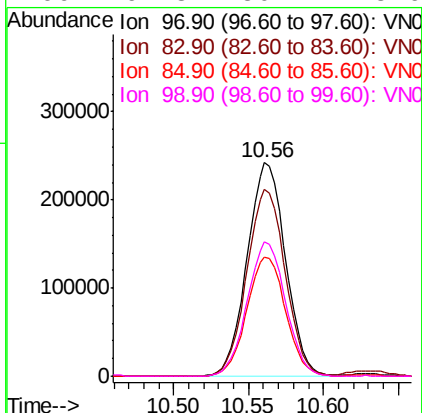
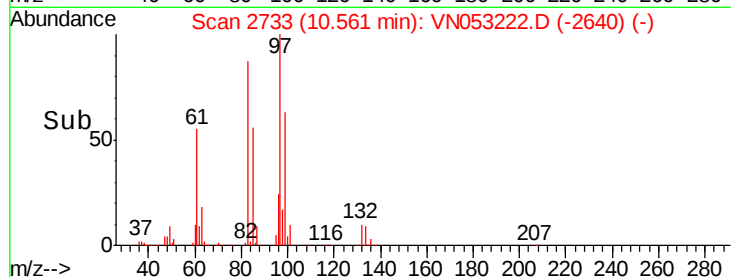
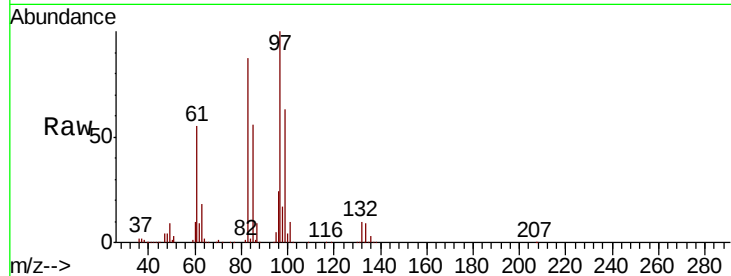
#55
 1,1,2-Trichloroethane
 Concen: 53.193 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053222.D
 Acq: 28 Dec 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	432915
Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.9	106.3
85	55.9	45.4	68.2
99	62.8	50.4	75.6

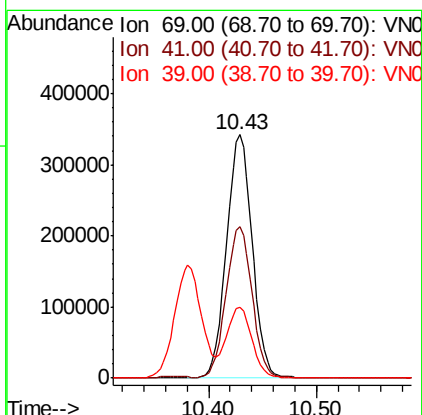
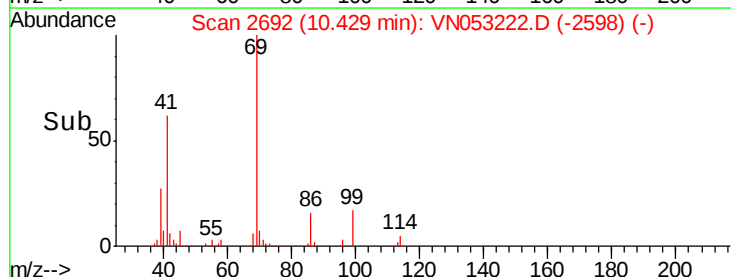
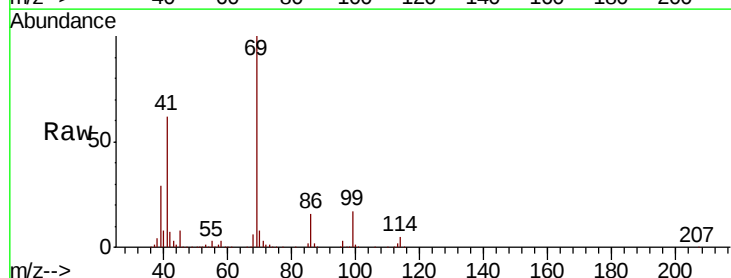
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#56
 Ethyl methacrylate
 Concen: 52.841 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053222.D
 Acq: 28 Dec 2018 13:54

Tgt Ion:	69	Resp:	569208
Ion	Ratio	Lower	Upper
69	100		
41	62.4	51.7	77.5
39	28.9	24.6	37.0





#57

1,3-Dichloropropane

Concen: 53.201 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 742479

Ion Ratio Lower Upper

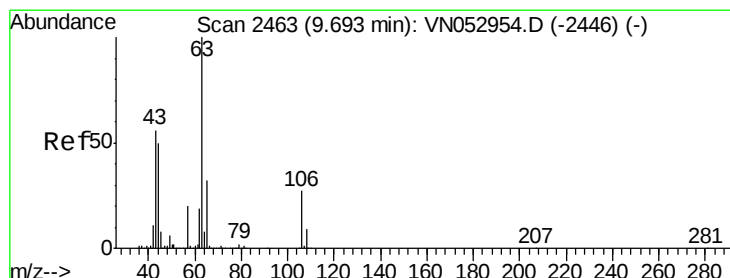
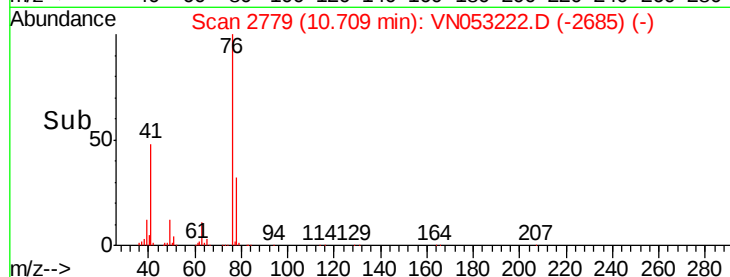
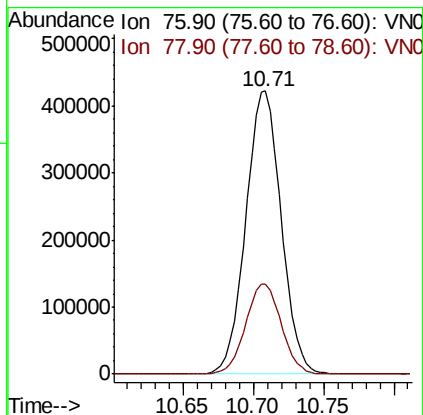
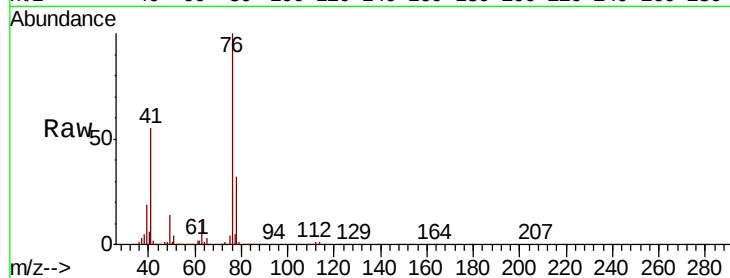
76 100

78 32.2 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 211.515 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053222.D

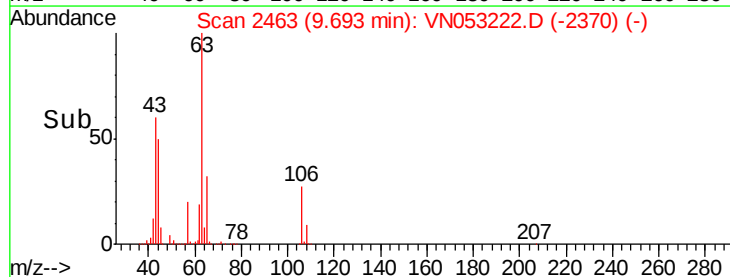
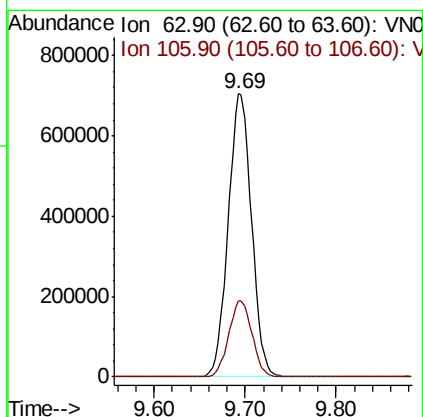
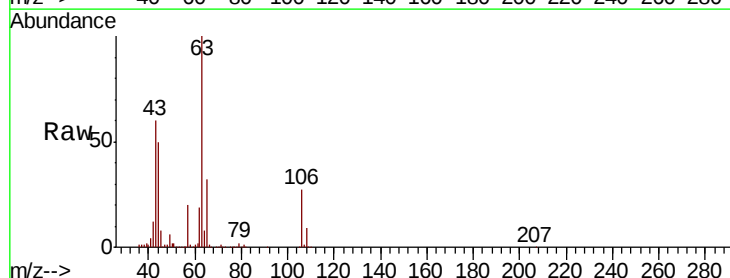
Acq: 28 Dec 2018 13:54

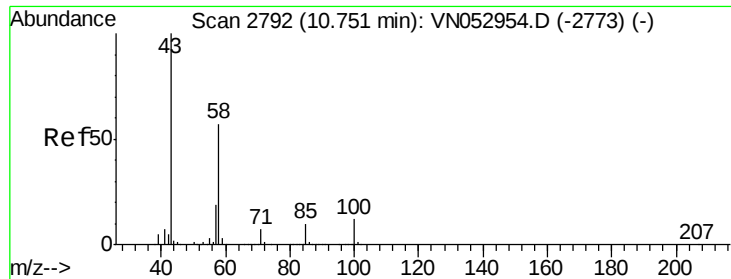
Tgt Ion: 63 Resp: 1250875

Ion Ratio Lower Upper

63 100

106 27.0 21.0 31.6





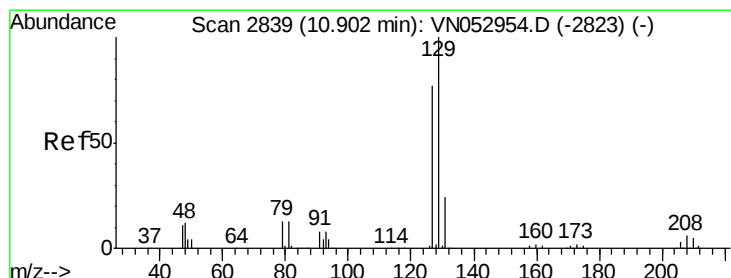
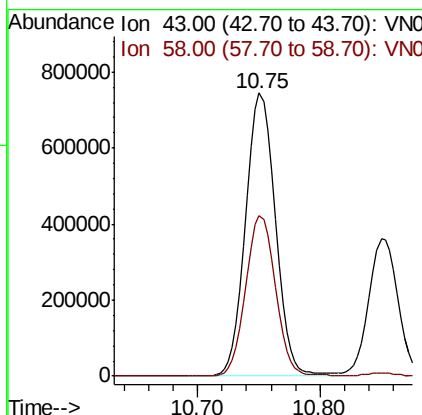
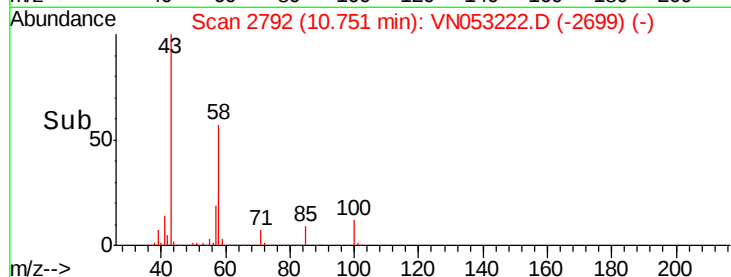
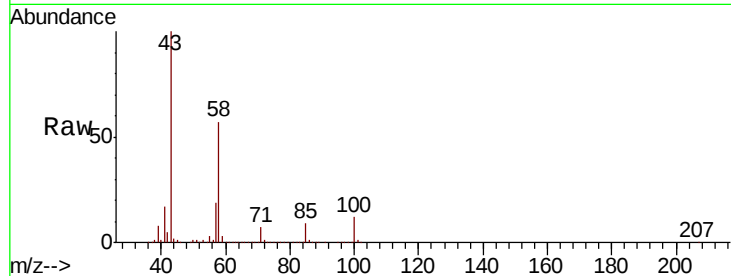
#59
2-Hexanone
Concen: 271.234 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1255338
Ion Ratio Lower Upper
43 100
58 56.6 28.1 84.3

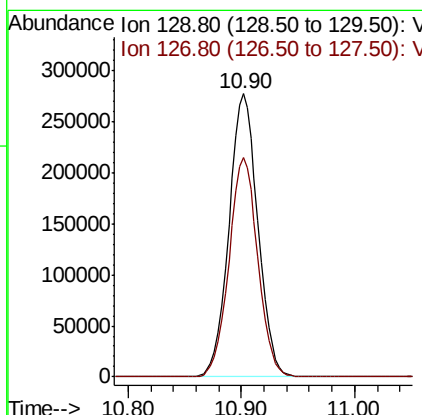
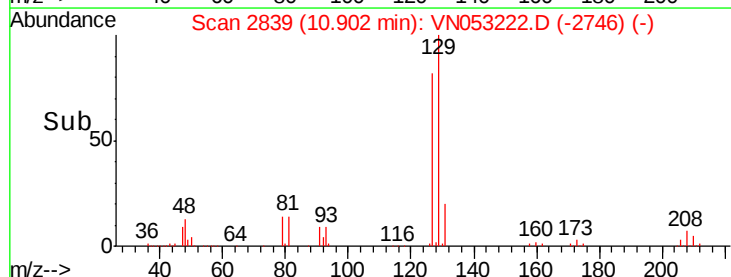
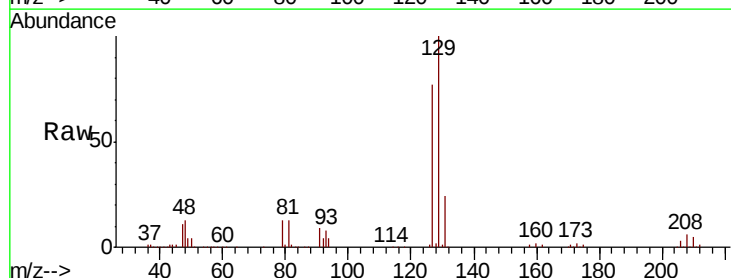
Manual Integrations
APPROVED

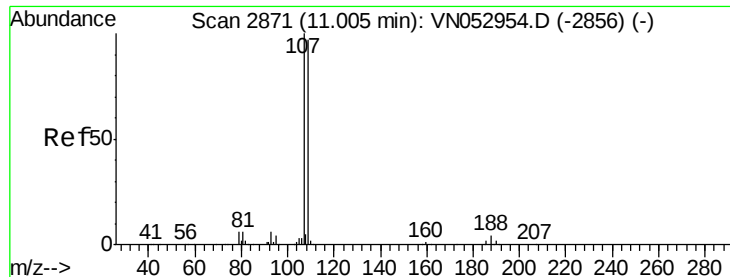
MMDadoda
1/2/2019 9:49:13 AM



#60
Dibromochloromethane
Concen: 52.649 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion: 129 Resp: 490478
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.959 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 429472

Ion Ratio Lower Upper

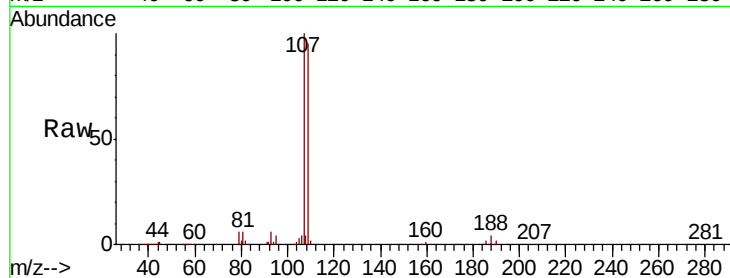
107 100

109 94.4 75.4 113.0

Manual Integrations
APPROVED

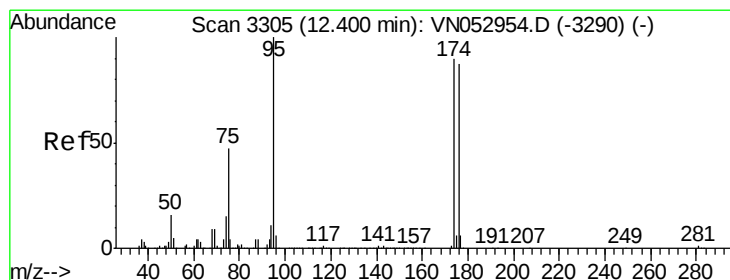
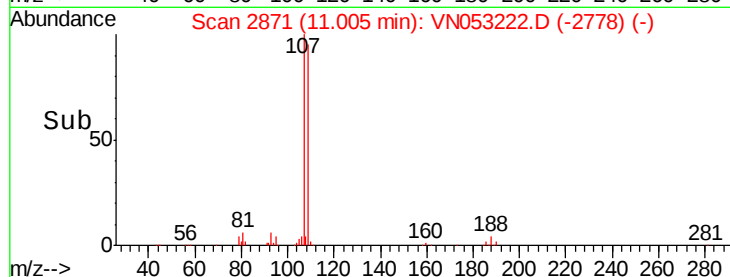
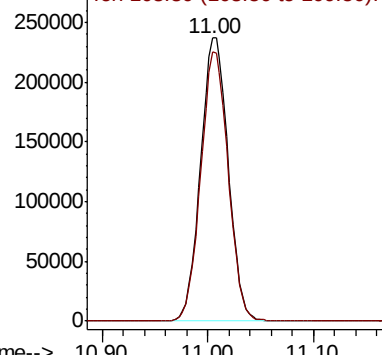
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.959 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

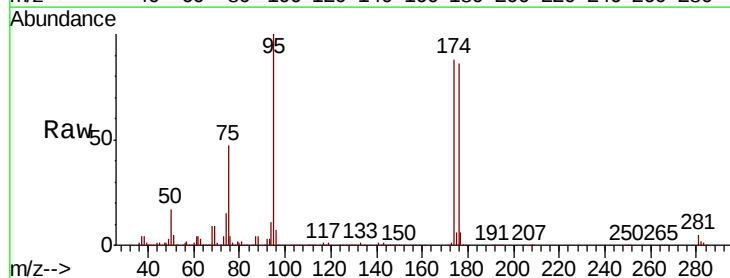
Tgt Ion: 95 Resp: 596306

Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.8

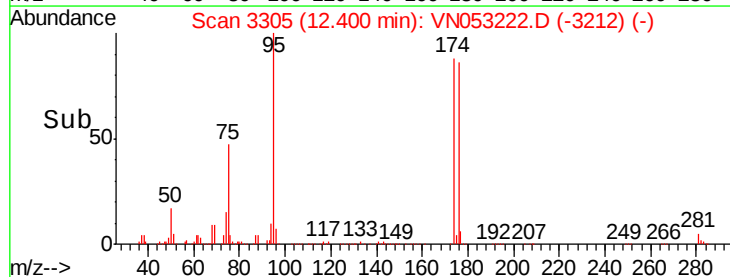
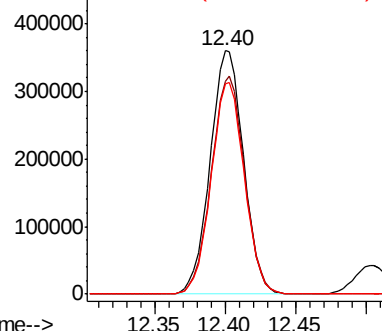
176 86.7 0.0 173.8

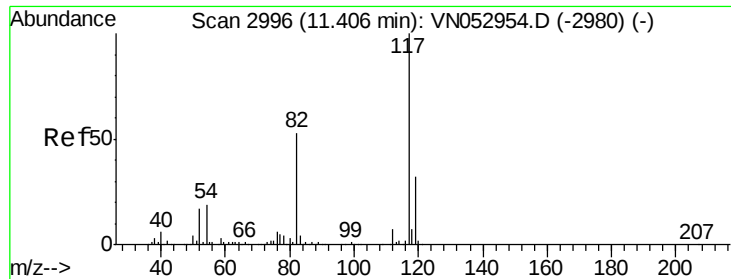


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





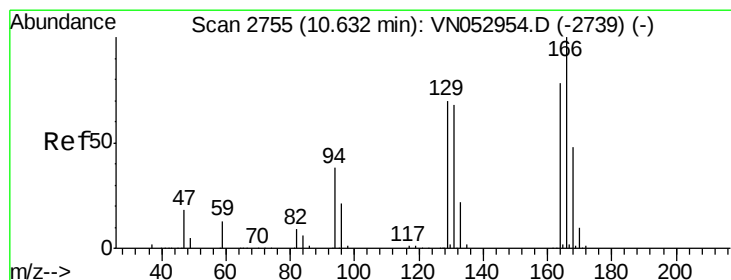
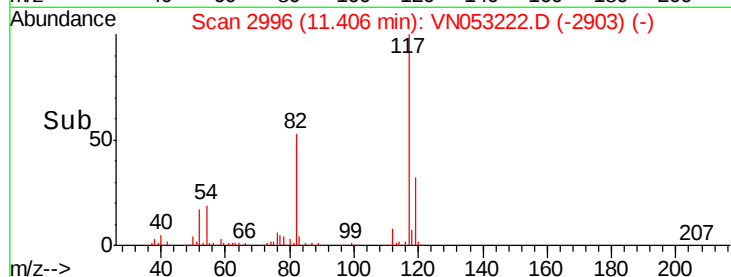
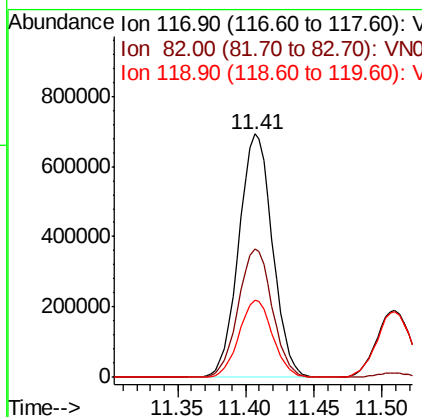
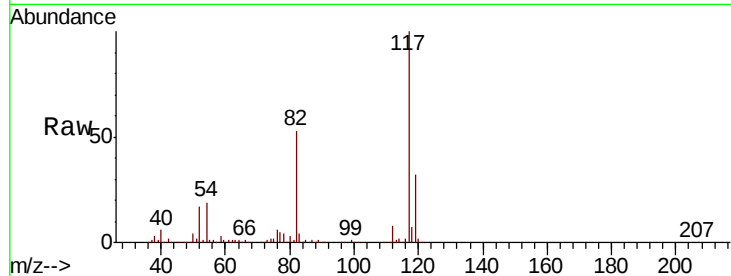
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.8	64.2
119	31.9	25.5	38.3

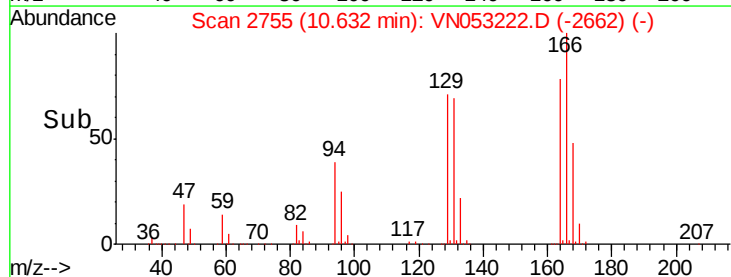
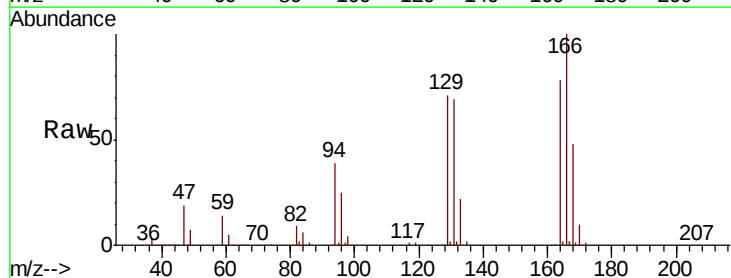
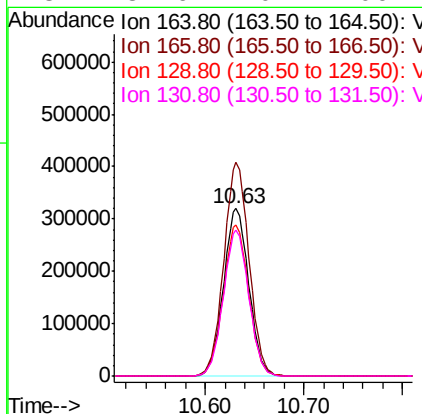
Manual Integrations
APPROVED

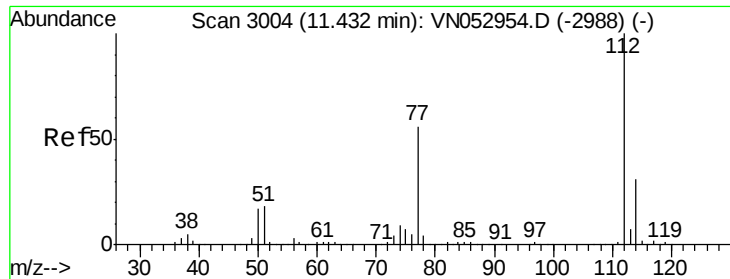
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#64
Tetrachloroethene
Concen: 44.699 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.9	154.3
129	90.6	73.7	110.5
131	87.6	70.7	106.1





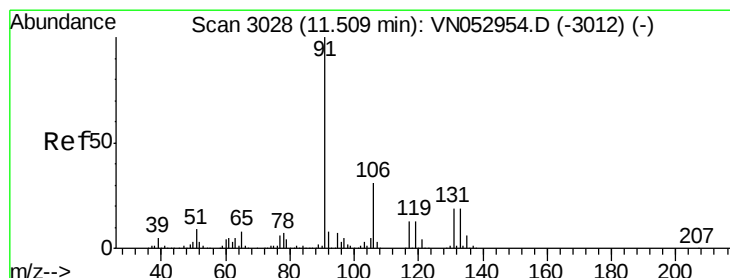
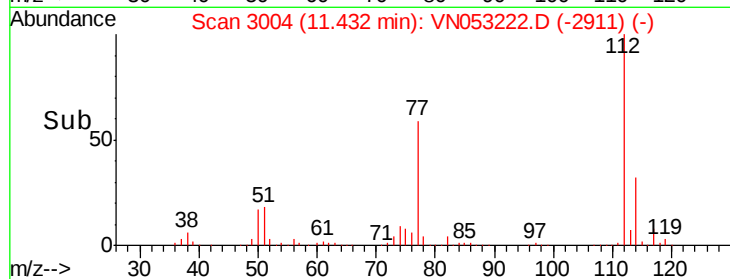
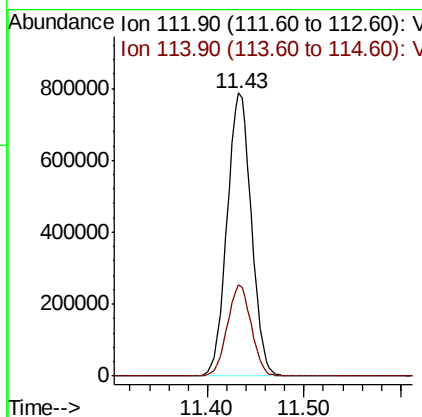
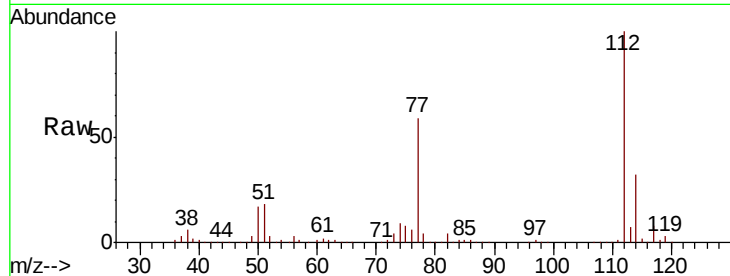
#65
Chlorobenzene
Concen: 52.003 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1368607
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3

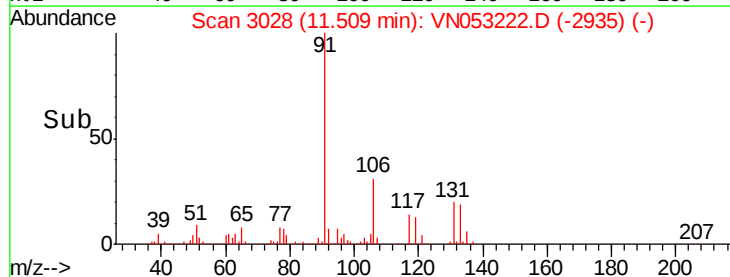
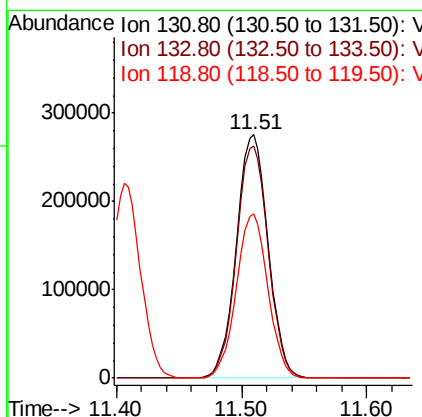
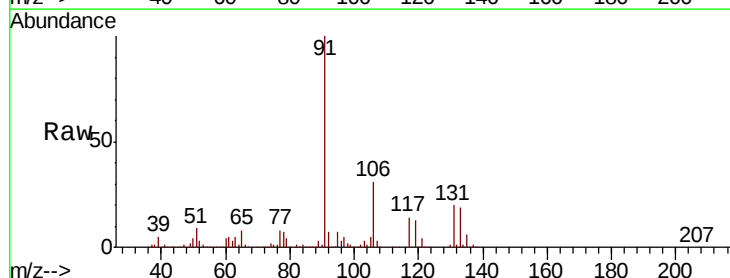
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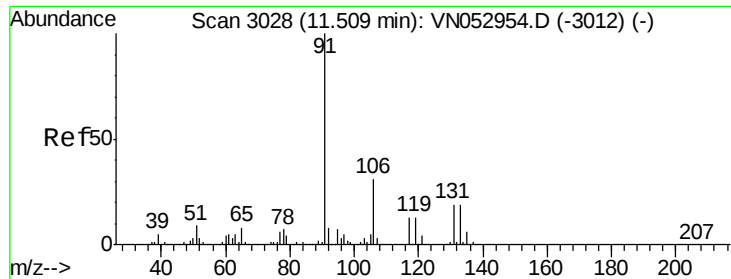
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.913 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion:131 Resp: 484255
Ion Ratio Lower Upper
131 100
133 95.8 47.6 142.9
119 67.2 33.3 99.8





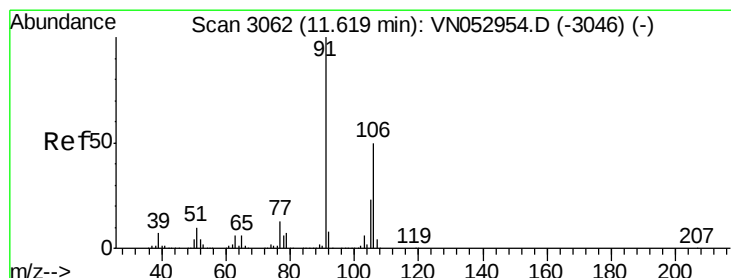
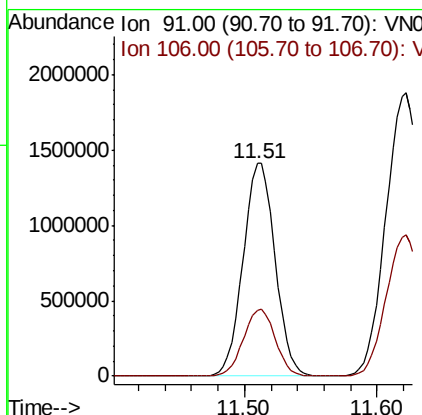
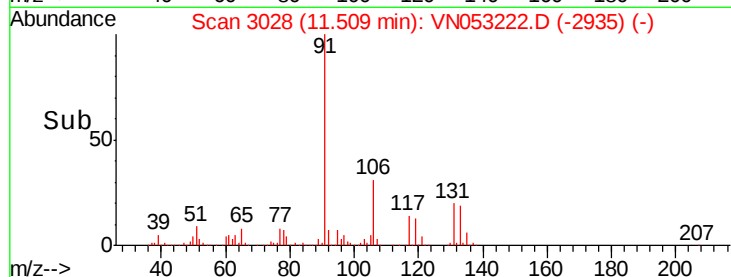
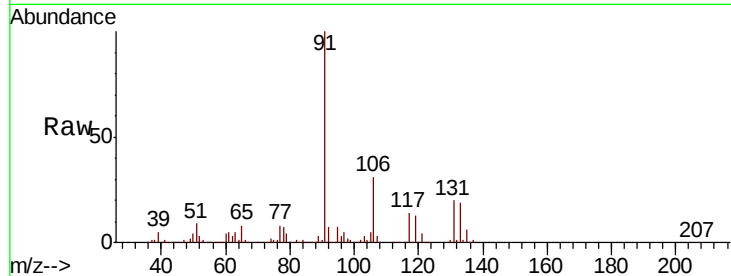
#67
Ethyl Benzene
Concen: 52.247 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2364683
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

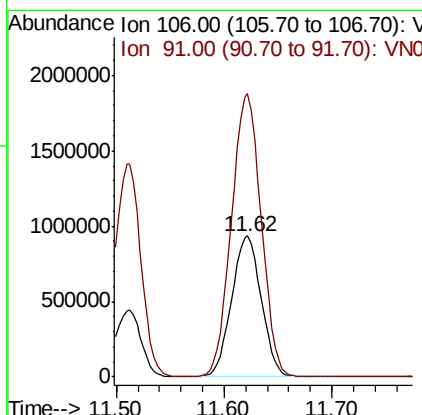
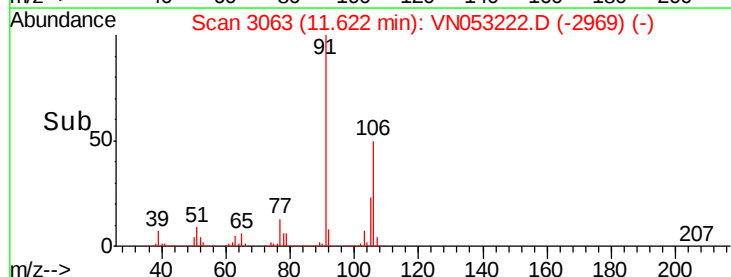
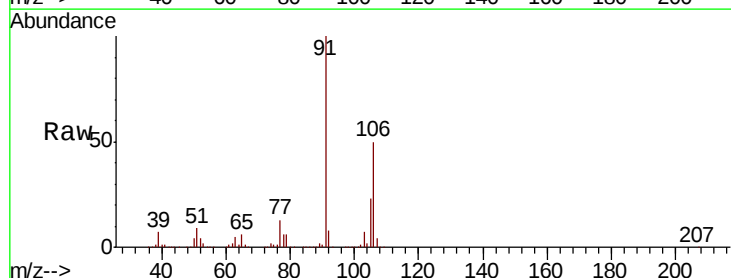
Manual Integrations
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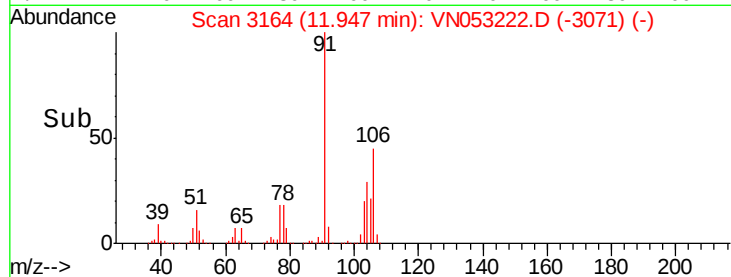
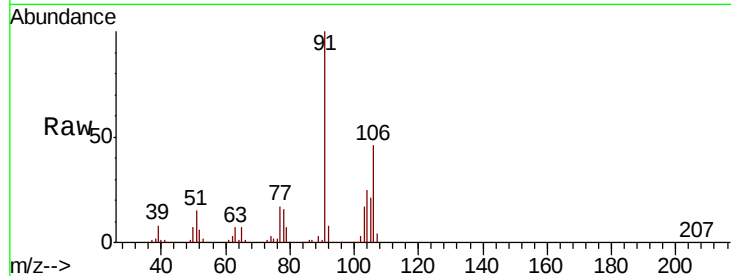
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#68
m/p-Xylenes
Concen: 103.870 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion: 106 Resp: 1787160
Ion Ratio Lower Upper
106 100
91 202.1 162.2 243.4





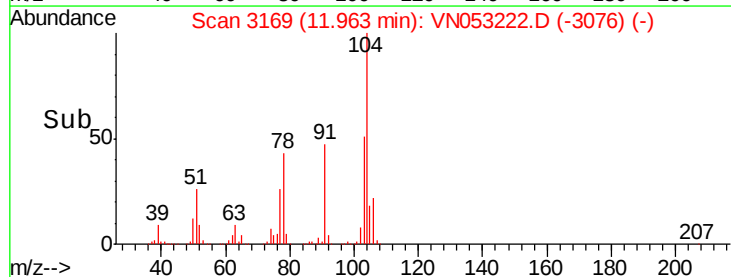
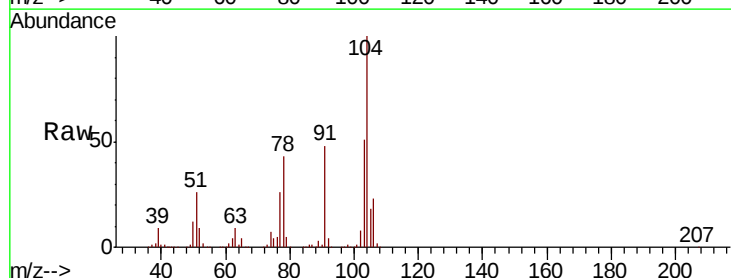
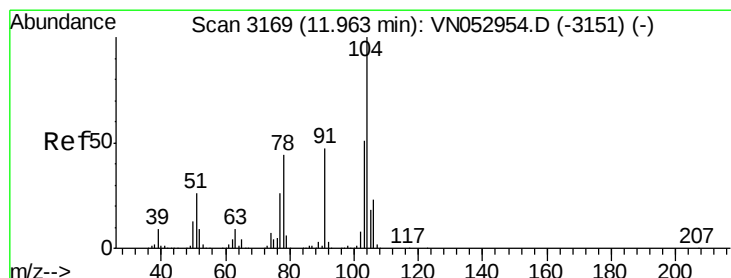
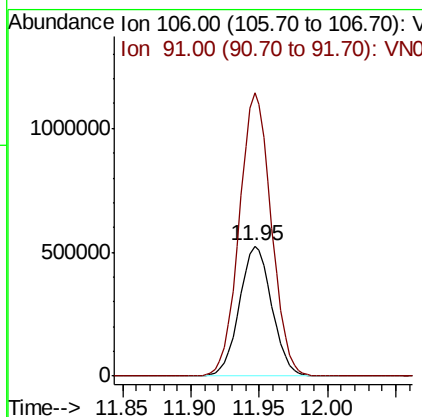
#69
o-Xylene
Concen: 52.243 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tot Ion	Ratio	Resp	Lower	Upper
106	100	862545		
91	215.4	106.6	319.8	

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

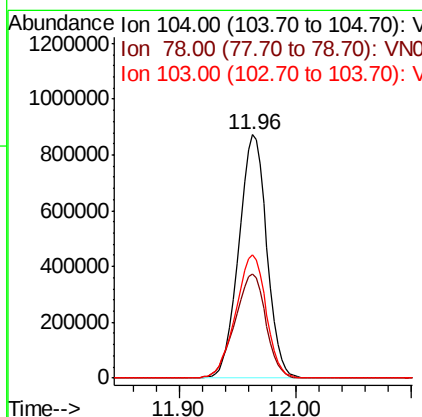
Manual Integrations
APPROVED

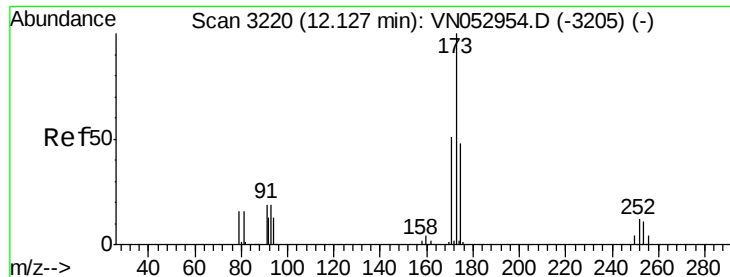
MMDadoda
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#70
Styrene
Concen: 54.099 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	1456434		
78	47.5	38.9	58.3	
103	55.3	44.3	66.5	





#71

Bromoform

Concen: 50.074 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

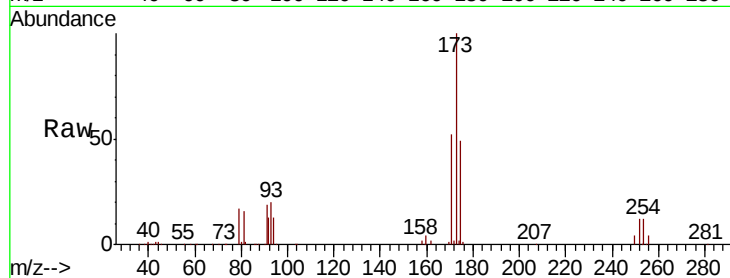
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	331060
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.3	72.9
254	0.0	0.1	0.1#

Manual Integrations
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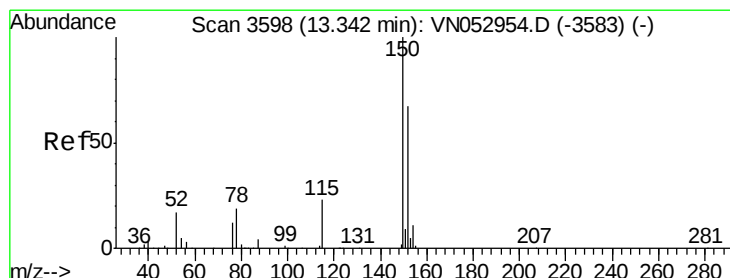
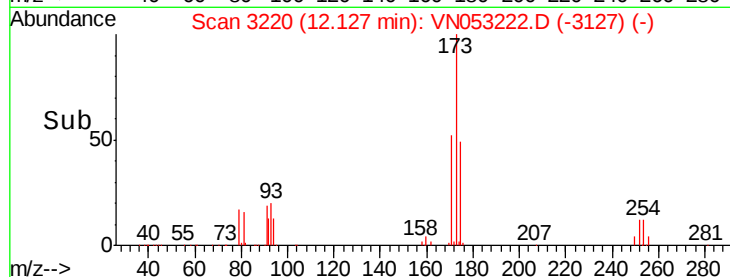
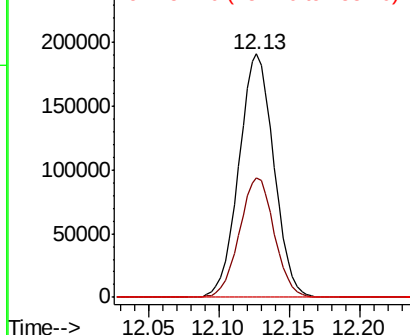


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

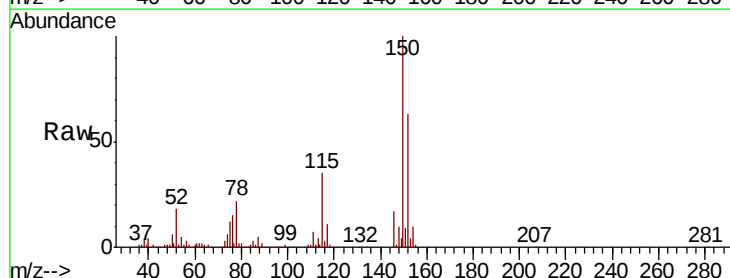
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Tgt Ion:	152	Resp:	569096
Ion Ratio	Lower	Upper	
152	100		
115	55.4	28.3	85.0
150	174.9	0.0	347.8

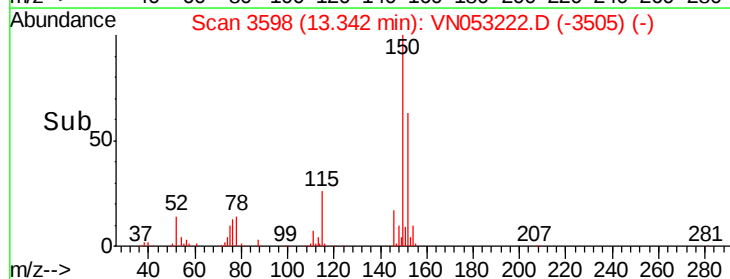
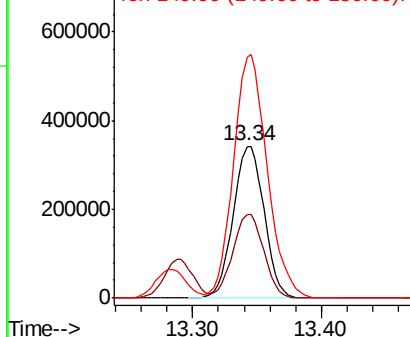


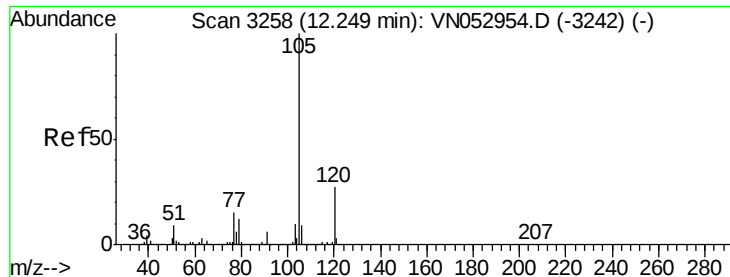
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.271 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2327480

Ion Ratio Lower Upper

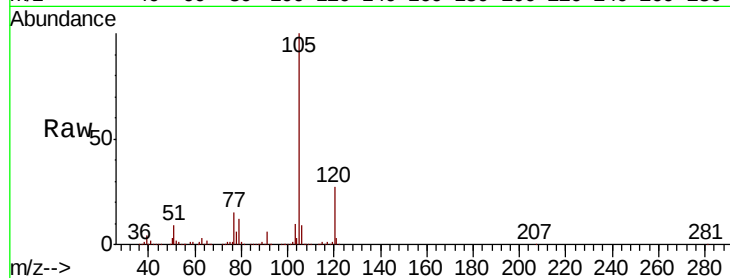
105 100

120 26.8 13.3 39.9

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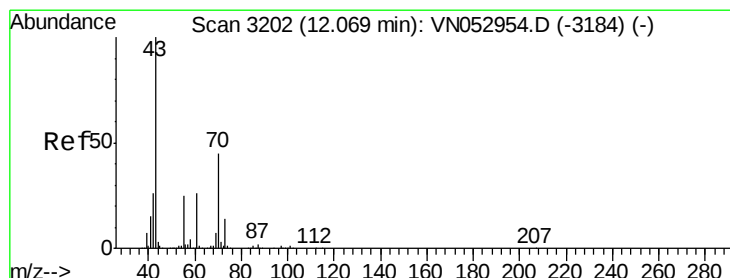
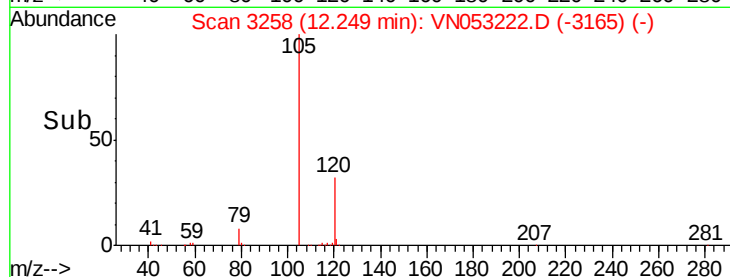
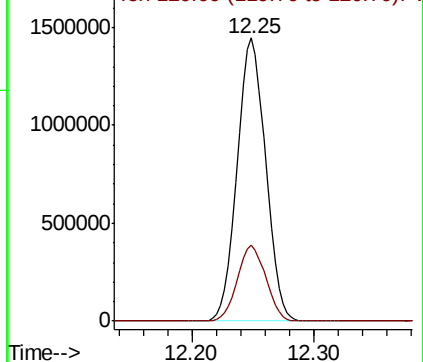
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.338 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Tgt Ion: 43 Resp: 622288

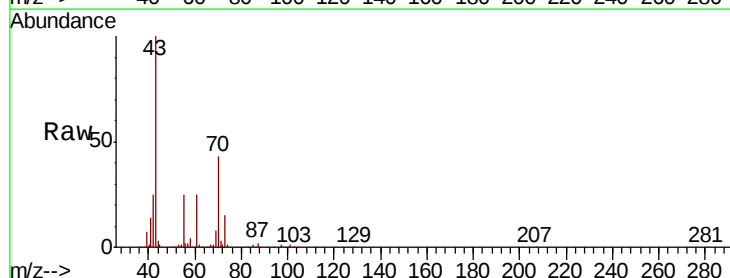
Ion Ratio Lower Upper

43 100

70 43.7 34.2 51.4

55 24.9 20.3 30.5

61 25.3 20.0 30.0

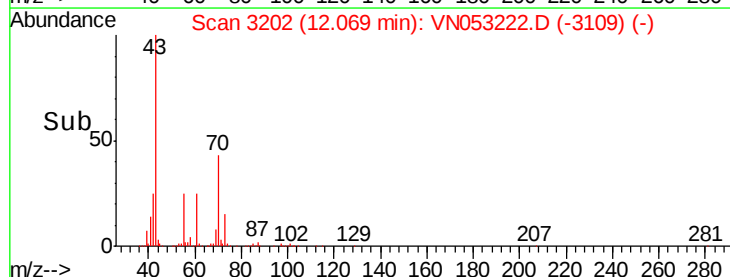
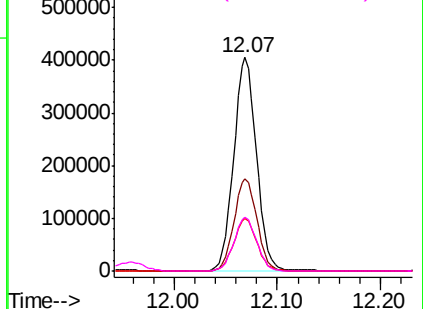


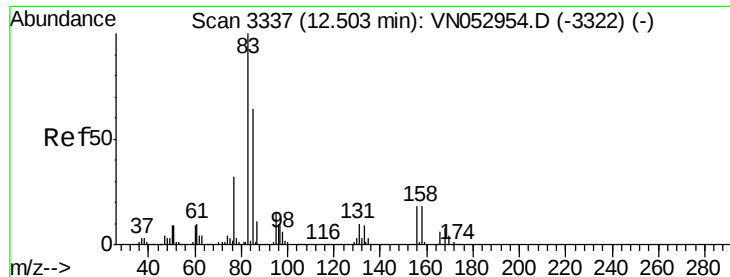
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 56.498 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

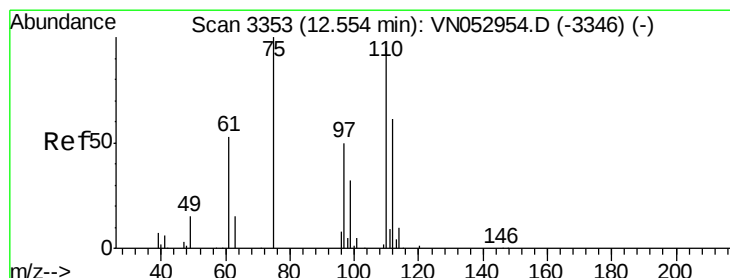
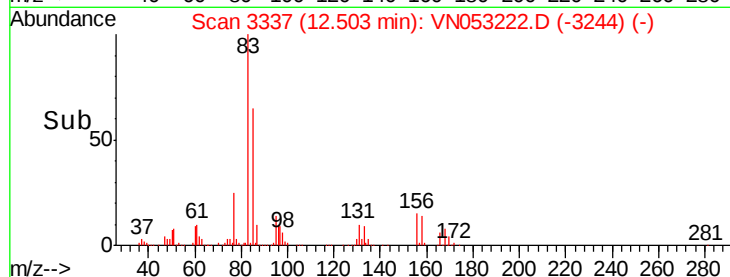
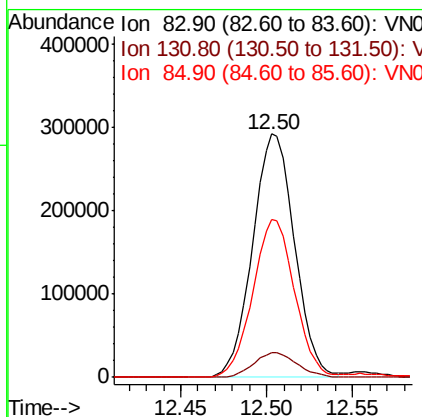
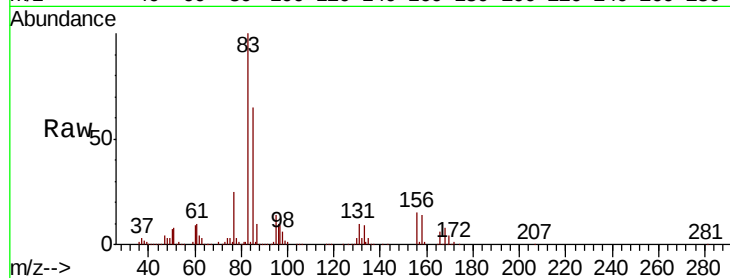
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	493541
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.5	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.809 ug/l m

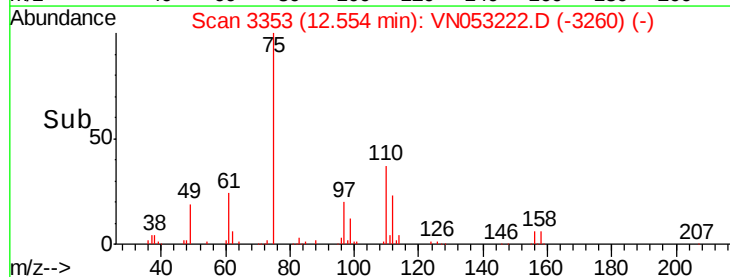
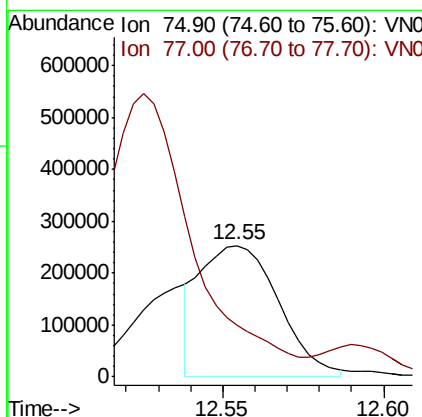
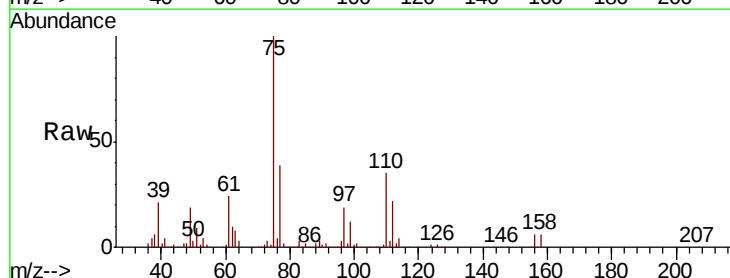
RT: 12.55 min Scan# 3353

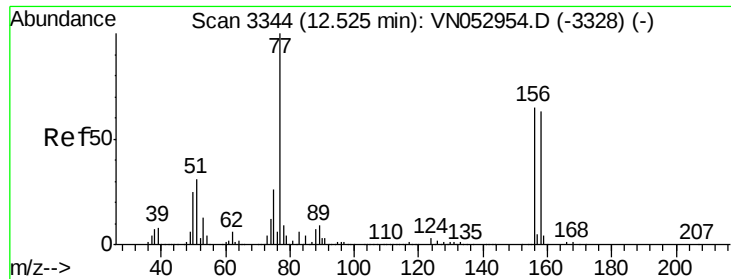
Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Tgt Ion:	75	Resp:	429280
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





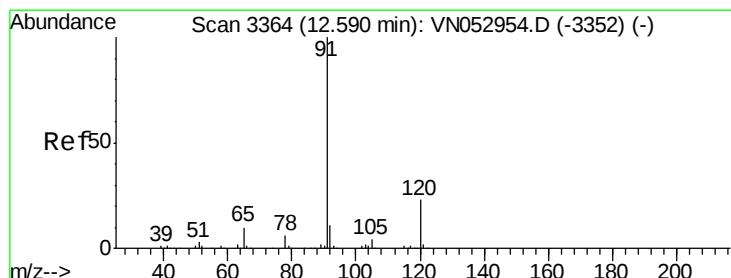
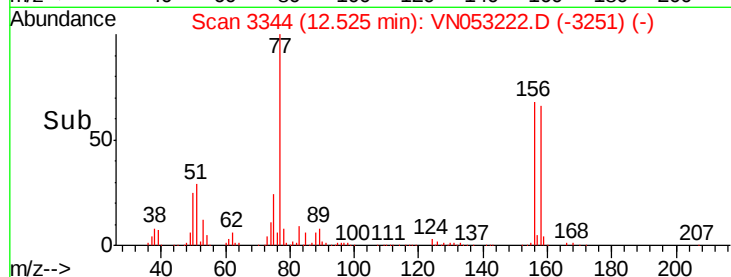
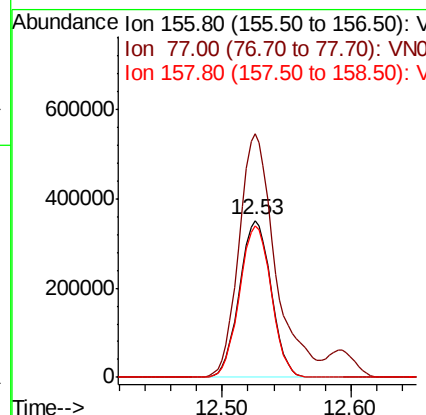
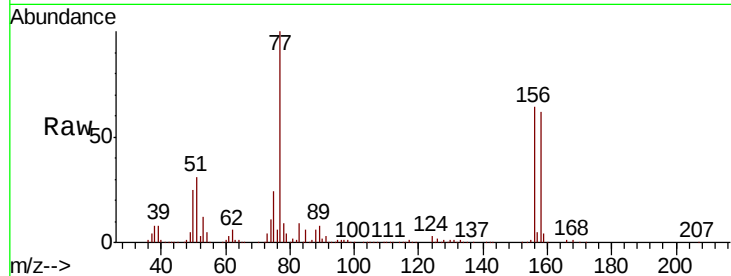
#77
Bromobenzene
Concen: 51.709 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.4	91.3	273.8
158	97.1	49.0	147.2

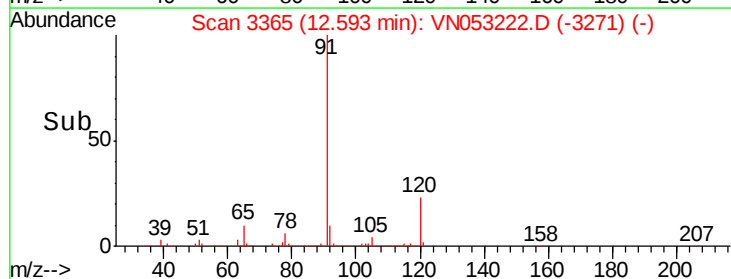
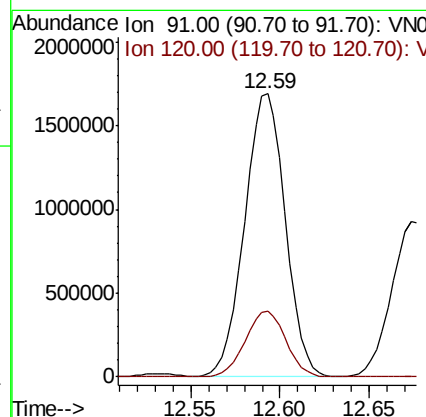
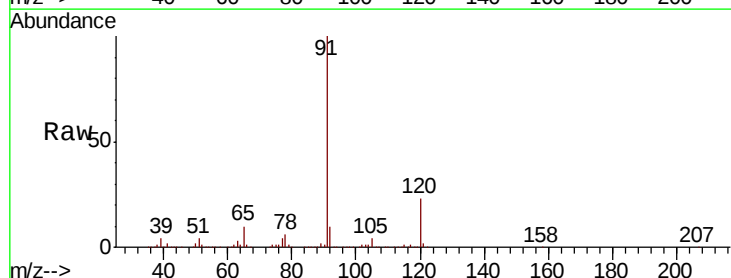
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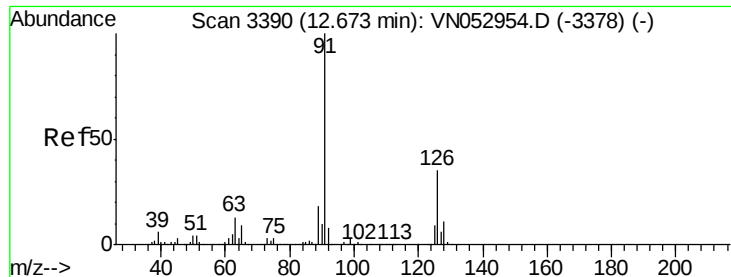
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#78
n-propylbenzene
Concen: 52.745 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 49.912 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1568919

Ion Ratio Lower Upper

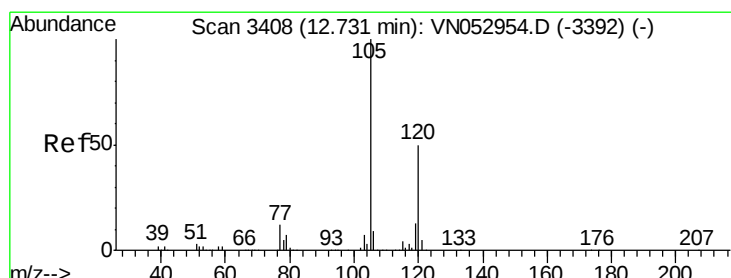
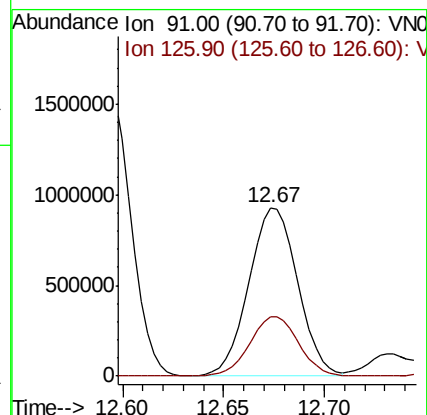
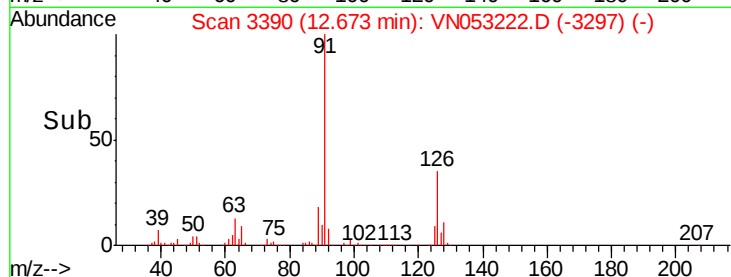
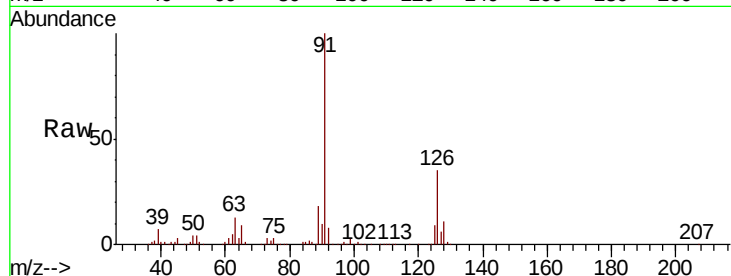
91 100

126 35.4 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 51.573 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053222.D

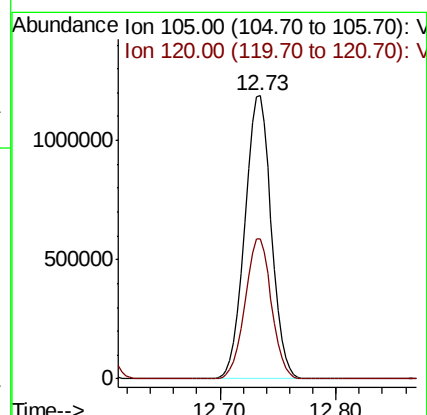
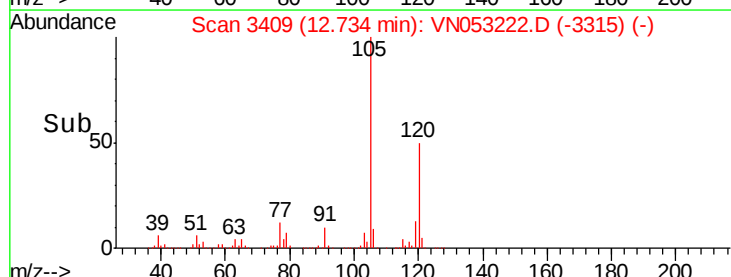
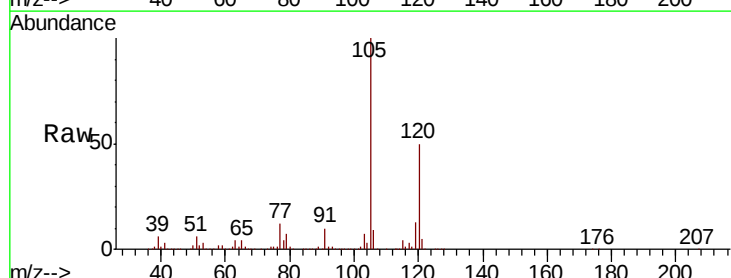
Acq: 28 Dec 2018 13:54

Tgt Ion: 105 Resp: 1871756

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2





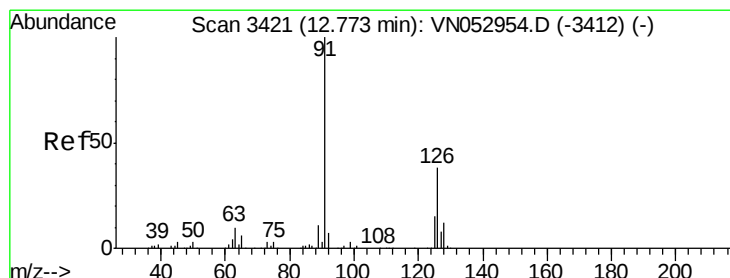
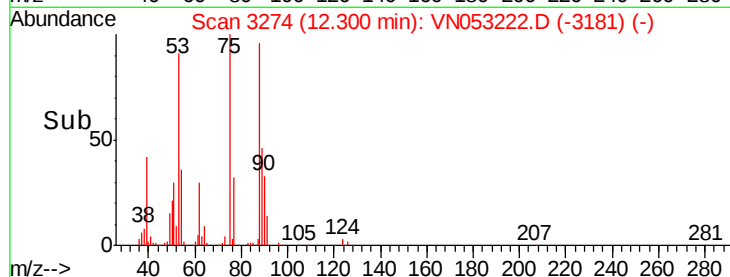
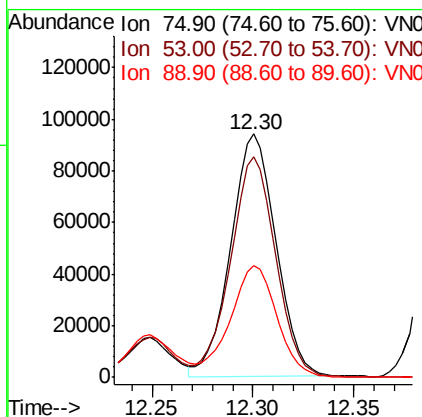
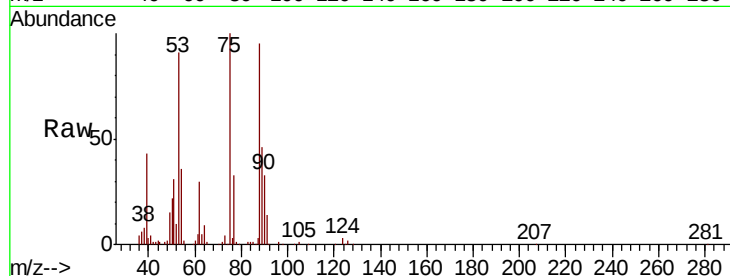
#81
trans-1,4-Dichloro-2-butene
Concen: 49.739 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.6	74.7	112.1
89	47.7	36.1	54.1

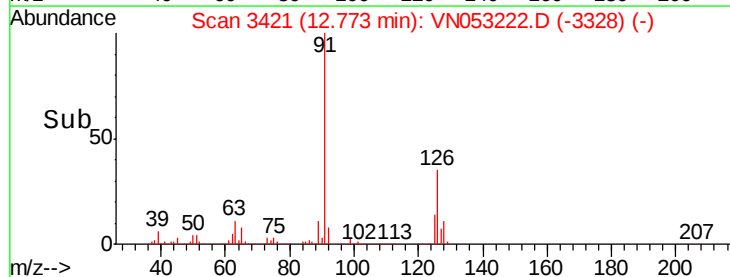
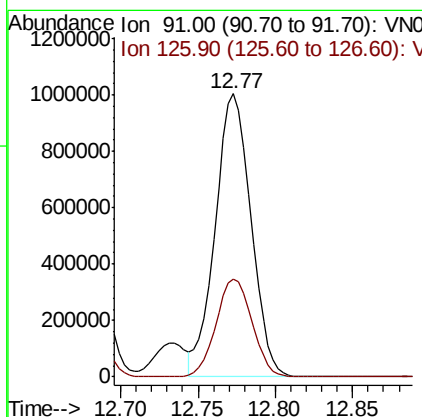
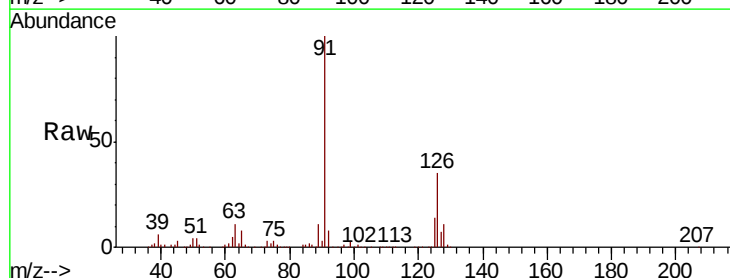
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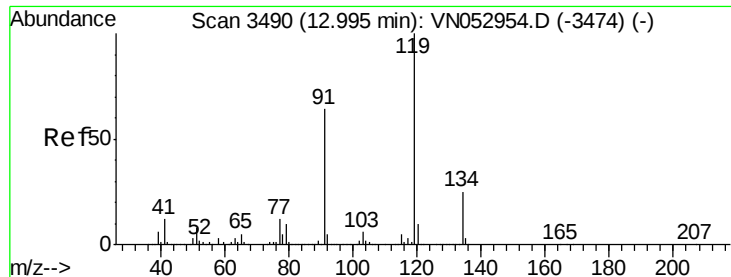
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#82
4-Chlorotoluene
Concen: 52.345 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	51.7





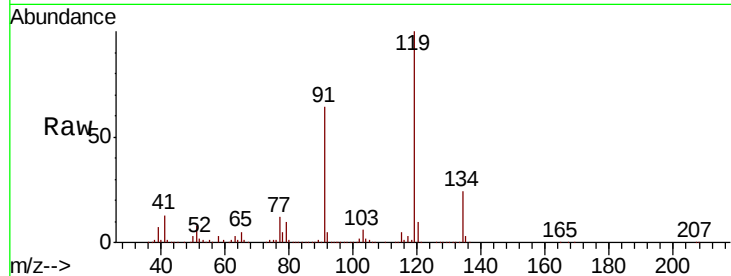
#83
tert-Butylbenzene
Concen: 51.115 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

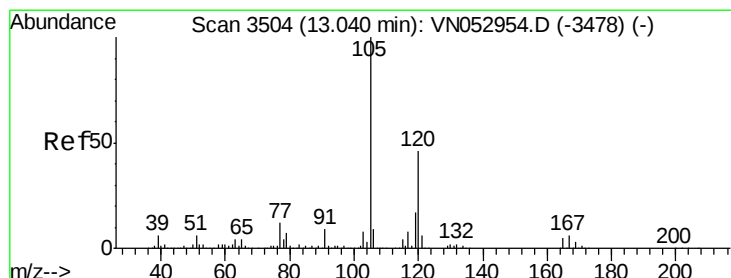
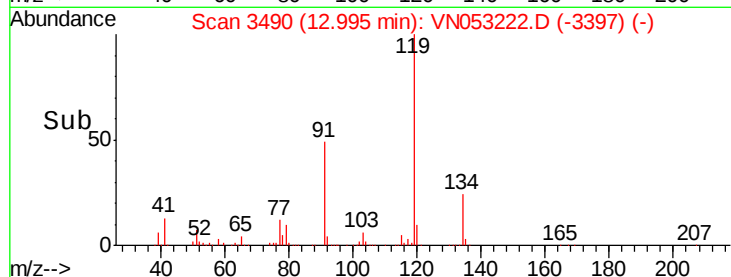
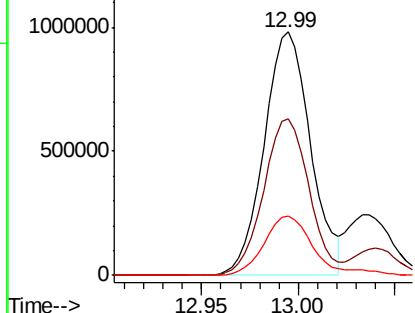
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	31.9	95.5
134	25.9	12.8	38.4

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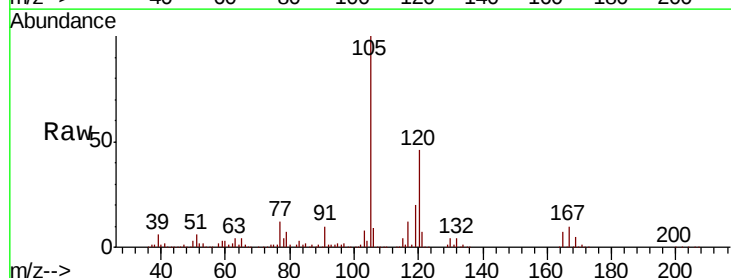


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

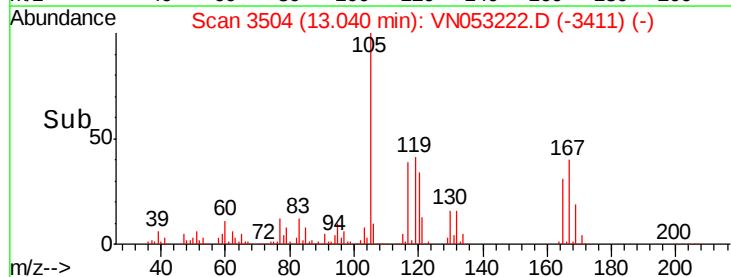
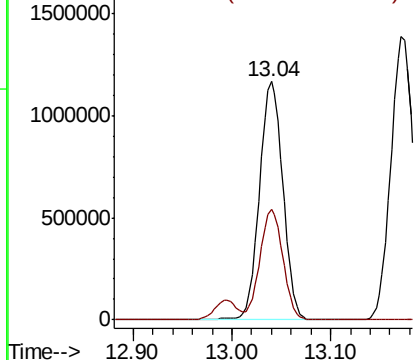


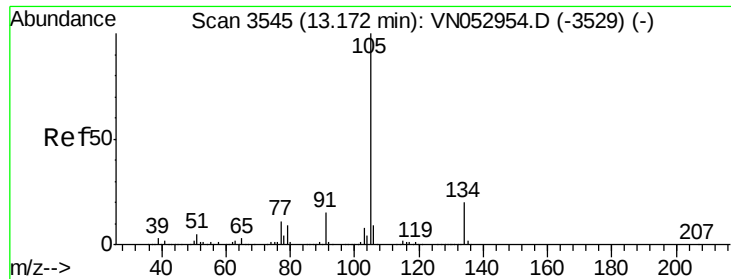
#84
1,2,4-Trimethylbenzene
Concen: 52.077 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.907 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2210142

Ion Ratio Lower Upper

105 100

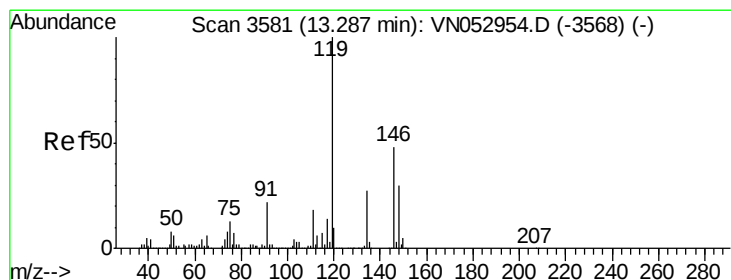
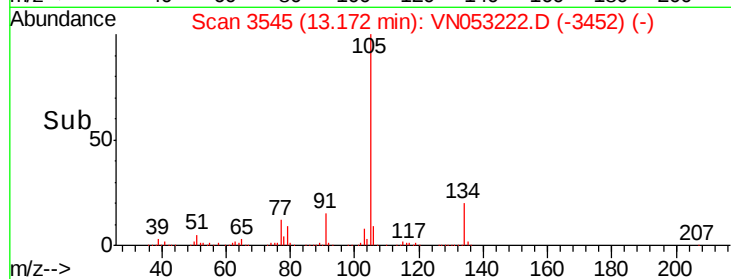
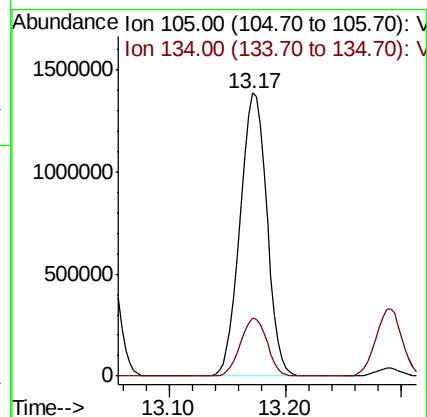
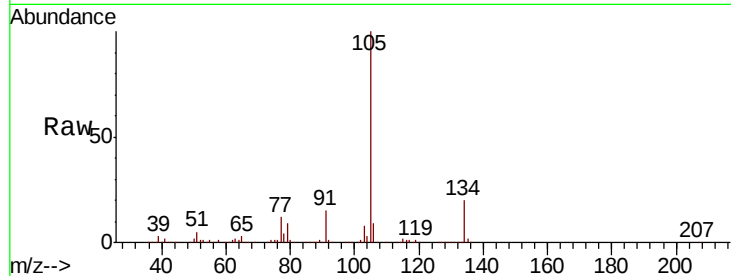
134 20.6 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 51.601 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

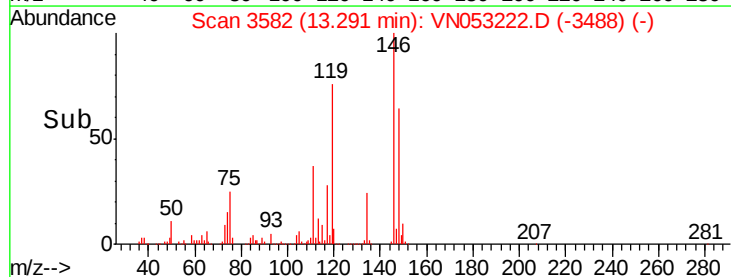
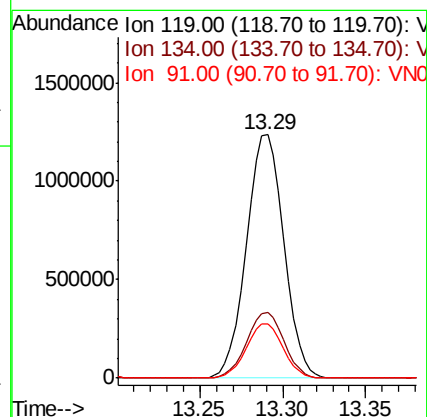
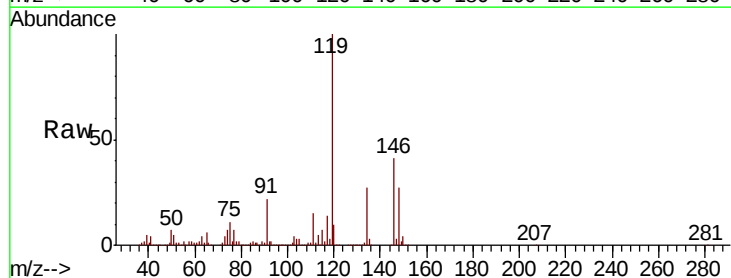
Tgt Ion:119 Resp: 1935799

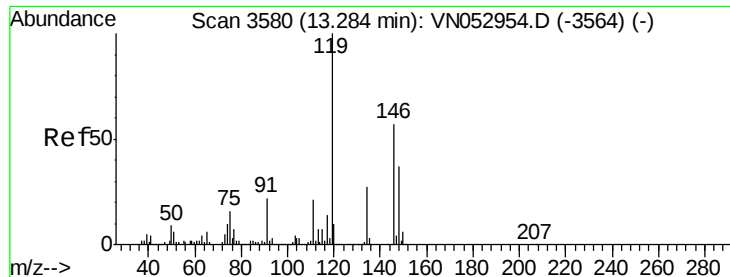
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.1 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 52.033 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1065920

Ion Ratio Lower Upper

146 100

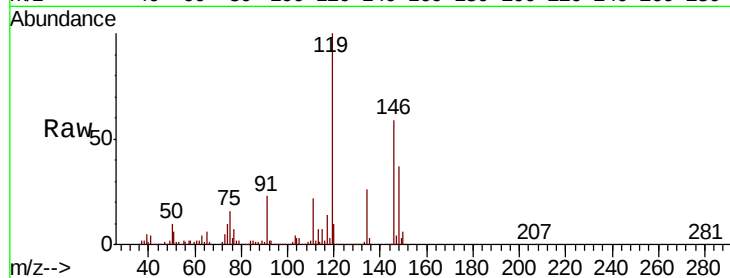
111 38.0 19.1 57.1

148 63.7 32.0 96.0

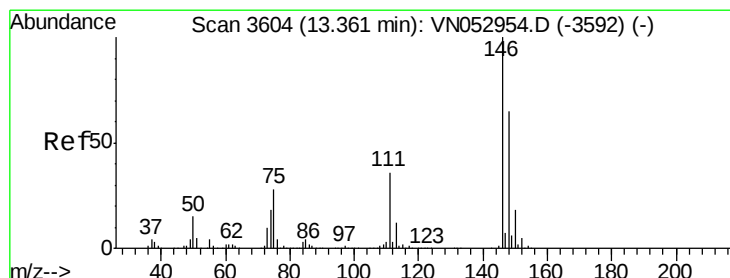
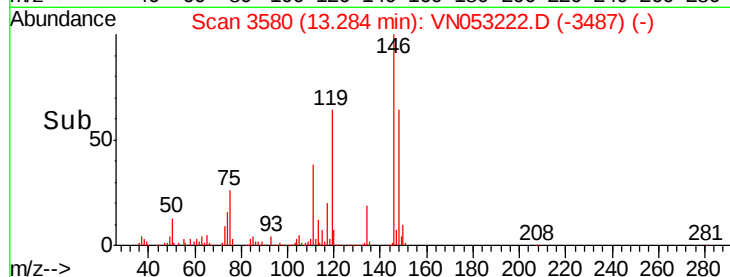
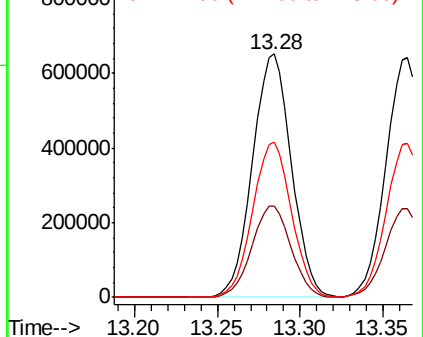
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.381 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

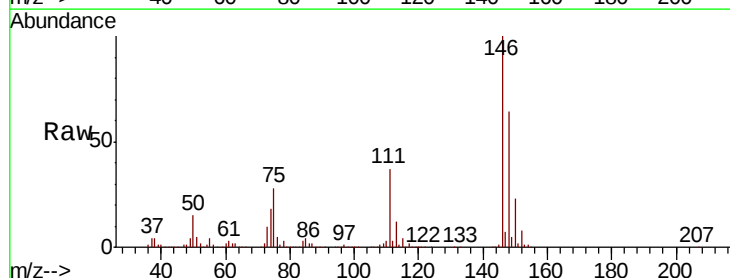
Tgt Ion:146 Resp: 1045169

Ion Ratio Lower Upper

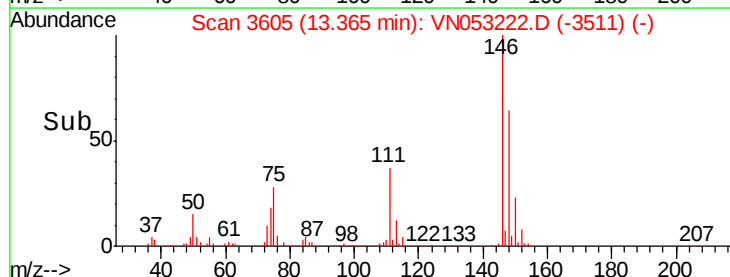
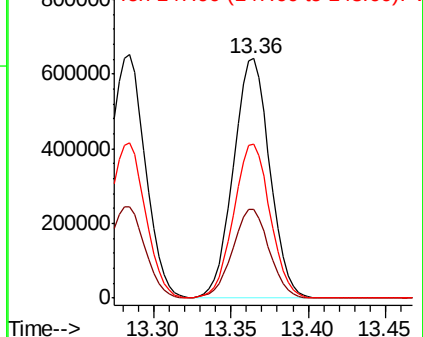
146 100

111 37.2 18.6 55.8

148 64.6 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





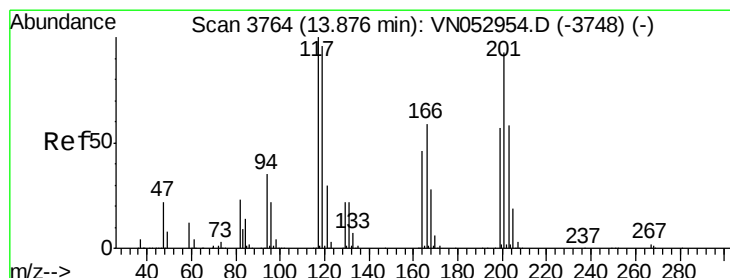
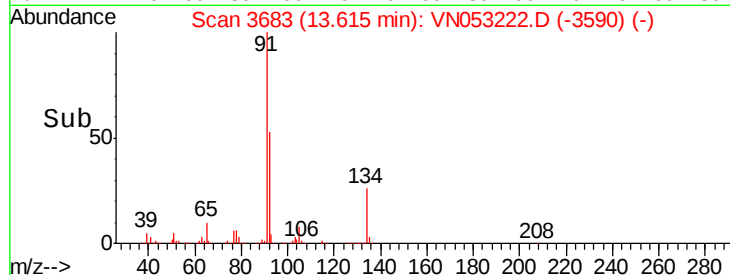
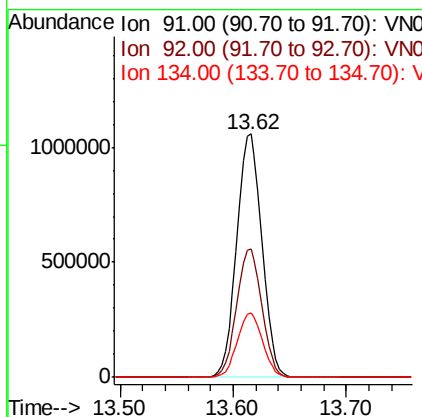
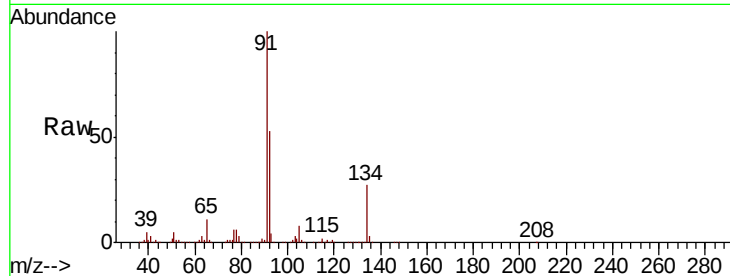
#89
n-Butylbenzene
Concen: 50.903 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.9
134	26.5	13.3	39.8

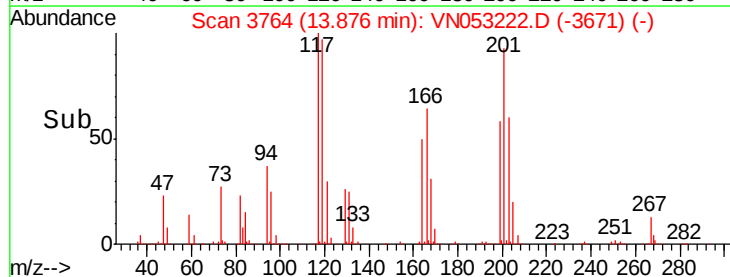
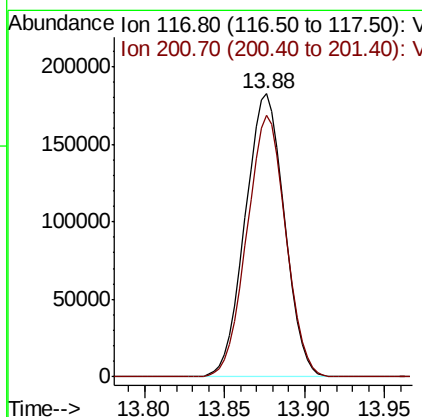
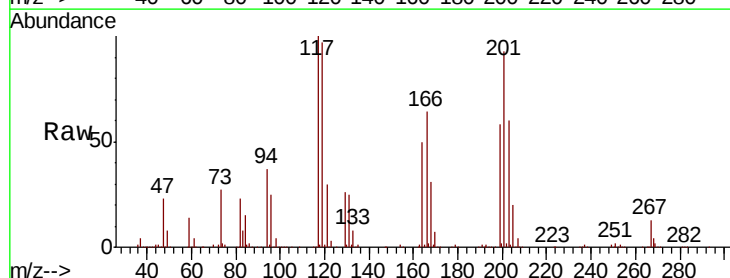
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#90
Hexachloroethane
Concen: 53.258 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053222.D
Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.7	45.7	137.1





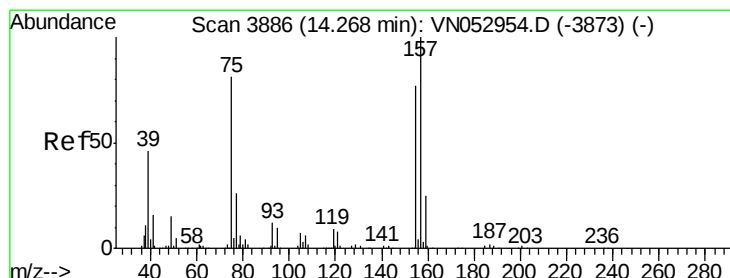
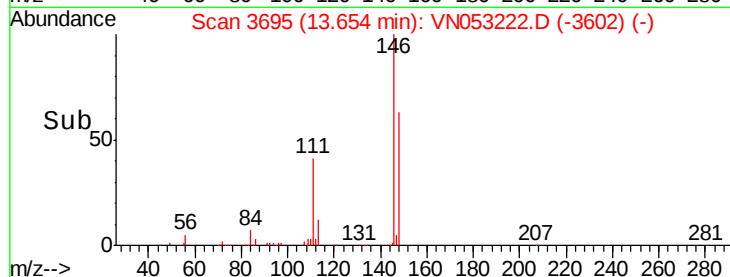
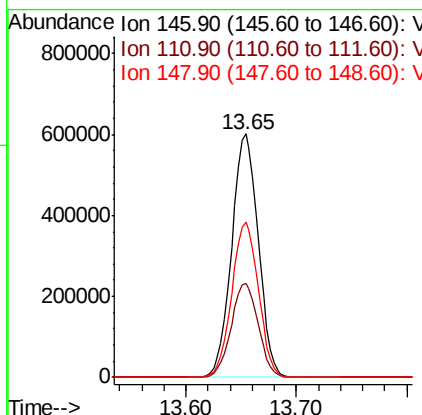
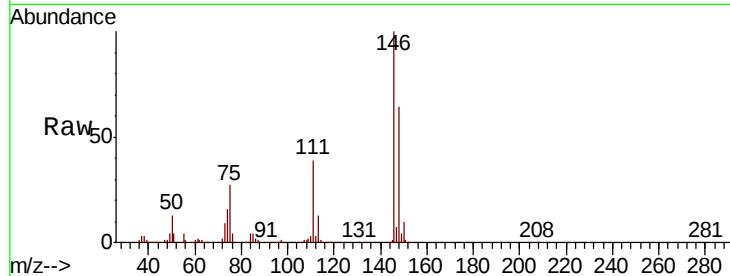
#91
 1,2-Dichlorobenzene
 Concen: 52.068 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053222.D
 Acq: 28 Dec 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	63.8	32.0	96.0

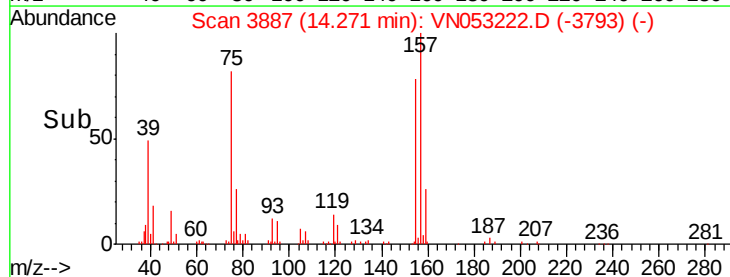
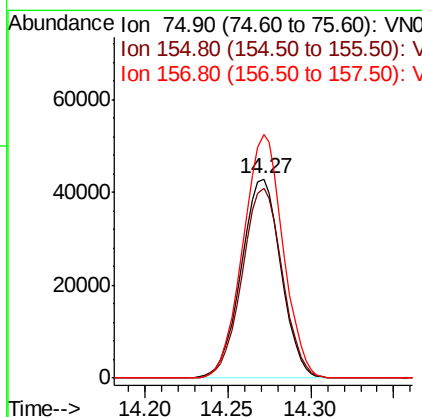
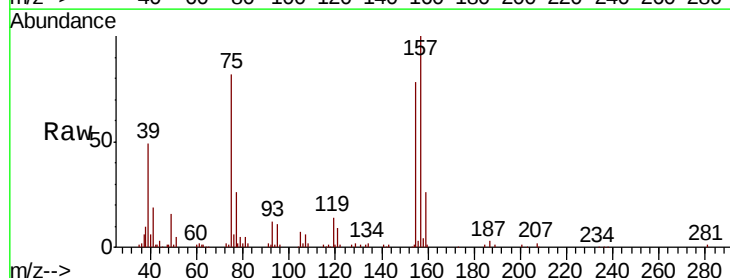
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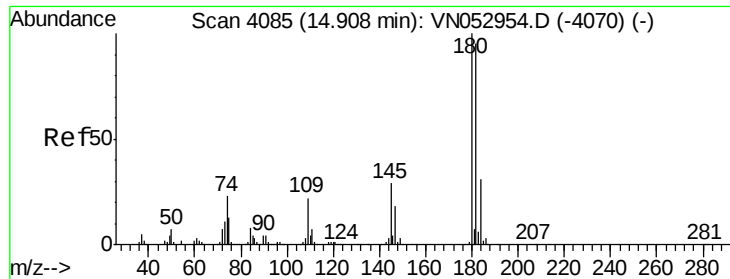
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.446 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053222.D
 Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.2	48.2	144.6
157	123.0	61.2	183.5





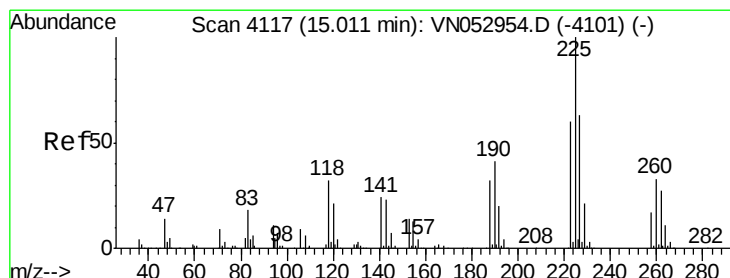
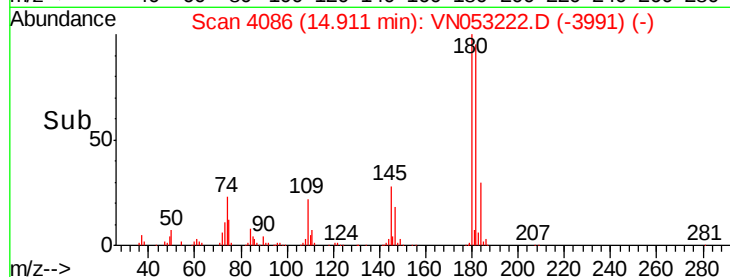
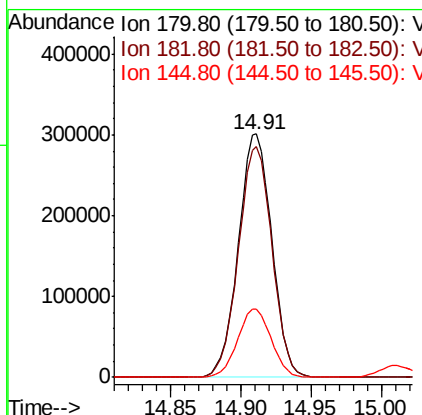
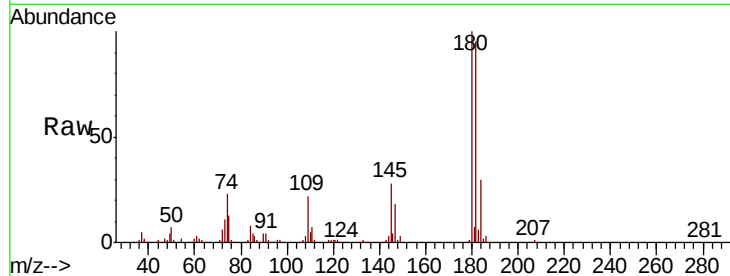
#93
 1,2,4-Trichlorobenzene
 Concen: 48.961 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053222.D
 Acq: 28 Dec 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	499982		
182	95.4	47.8	143.3	
145	28.2	14.2	42.6	

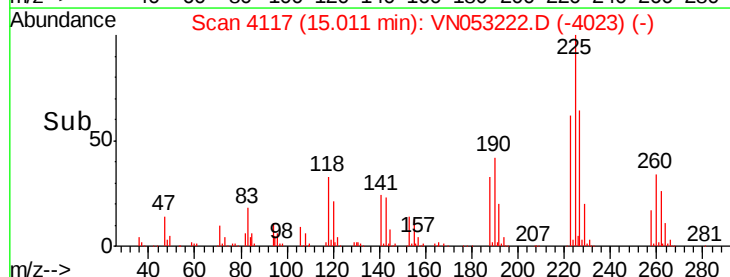
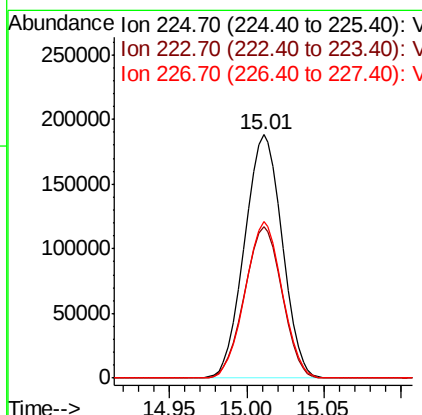
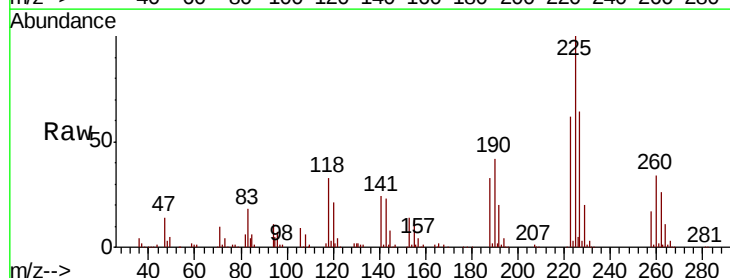
Manual Integrations
 APPROVED

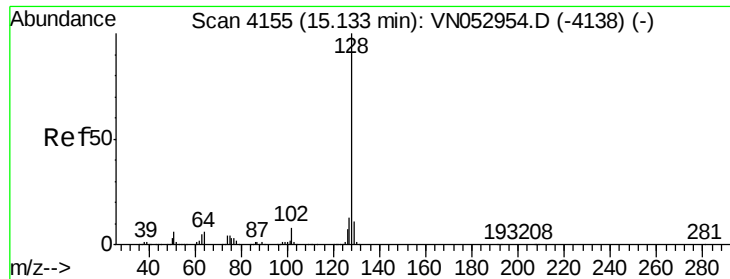
MMDadoda
 1/2/2019 9:49:13 AM



#94
 Hexachlorobutadiene
 Concen: 60.990 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053222.D
 Acq: 28 Dec 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	319224		
223	62.0	31.5	94.5	
227	63.2	31.9	95.7	





#95

Naphthalene

Concen: 45.218 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Instrument :

MSVOA_N

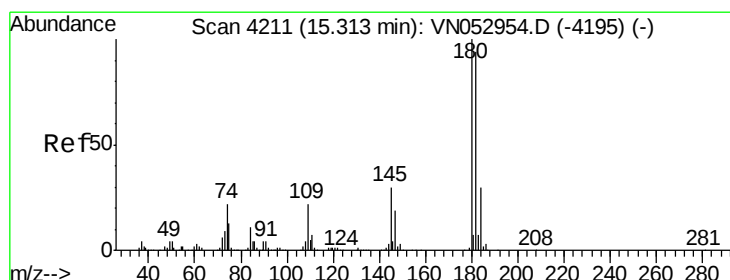
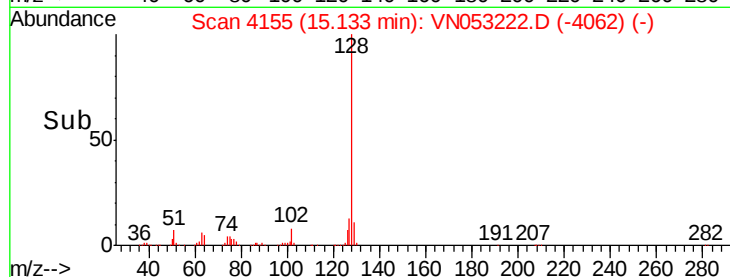
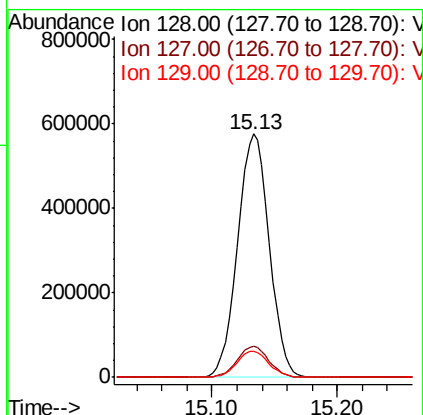
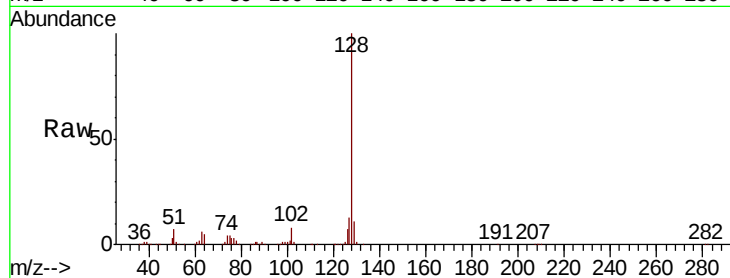
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	1009258
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:49:13 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.260 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053222.D

Acq: 28 Dec 2018 13:54

Tgt Ion:	180	Resp:	434447
Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.7
145	30.3	15.0	45.0

